

DR, Breslau

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**US Army Corps  
of Engineers**

Cold Regions Research &  
Engineering Laboratory

## *Limnological investigations: Lake Koocanusa, Montana*

*Part 3: Basic data, post-impoundment, 1972 – 1978*

P.C. Storm, T.J.H. Bonde, R.M. Bush and J.W. Helms



Prepared in conjunction with  
U.S. ARMY ENGINEER DISTRICT, SEATTLE  
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## FOREWORD

The Kootenai River basin, Libby Dam and the resulting Lake Koocanusa have been of interest to CRREL investigators since the mid-1970's. We have focused on a number of cold regions remote sensing, water quality, and limnological problems. Of particular interest are those associated with winter ice cover, spring snowmelt runoff, and low temperature chemical reactions in sediments and in the water column. Since CRREL and the Seattle District have conducted a number of short and long term studies on the Kootenai River and Lake Koocanusa, we considered it appropriate to make the results of those investigations readily available in a series of reports. Therefore, we are issuing these results in the CRREL Special Report series under the overall title *Limnological investigations: Lake Koocanusa, Montana*.

*Part 1: Pre-impoundment study: 1967-1972, with appendix, Basic data*  
(CRREL Special Report 82-21)

*Part 2: Environmental analyses in the Kootenai River region, Montana*  
(Reprint of CRREL Special Report 76-13)

*Part 3: Basic data, post-impoundment: 1972-1978*  
(CRREL Special Report 82-23)

*Part 4: Factors controlling primary productivity*  
(CRREL Special Report 82-15)

*Part 5: Phosphorus chemistry of sediments*  
(CRREL Special Report 81-15)

*Cover: Libby Dam and Lake Koocanusa, Montana, 1975. (Photograph by U.S. Army Engineer District, Seattle.)*

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## PREFACE

This report was prepared by P.C. Storm, T.J.H. Bonde, R.M. Bush, Environmental Resources Section and J.W. Helms, Hydrology and Hydraulics Branch, U.S. Army Corps of Engineers, Seattle District. Publication of this report is in conjunction with the Corps of Engineers Civil Works Program, Environmental Quality, Work Unit 31013, Environmental Effects and Criteria for Engineering Works in Cold Regions.

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# LIMNOLOGICAL INVESTIGATIONS: LAKE KOOCANUSA, MONTANA

Part 3: Basic Data, Post-impoundment, 1972-1978

P.C. Storm, T.J.H. Bonde, R.M. Bush and J.W. Helms

## INTRODUCTION

Study of Lake Kootenai (the reservoir formed by impoundment of the Kootenai River by Libby Dam), Montana, was undertaken by Seattle District, U.S. Army Corps of Engineers, in 1972 as a continuation of preimpoundment studies of the Kootenai River underway since 1967. These studies have served not only to document the effects of construction and operation of Libby Dam on the aquatic system, but have provided information which allowed operation of the dam to meet environmental quality objectives.

This report presents the water quality and limnological data compiled from the Corps study for the period March 1972 through December 1978. Also provided by permission of the British Columbia Ministry of Environment, Waste Management Branch, and the Water Survey of Canada are concurrent data from the Canadian portion of the lake and river. Future reports are planned providing an evaluation of these data and of biological data obtained since 1972.

### History of the Libby Dam and reservoir project

The Libby Dam and reservoir project was authorized by the 81st Congress of the United States in 1950. The dam and its reservoir, Lake Kootenai, were designed as a multipurpose project to provide power, flood control, and recreation benefits. Preliminary planning began in 1952. As the project involves both upstream storage and downstream effects, not only in the United States but in Canada, the project was built under an international treaty relating to the cooperative water



resource development of the Columbia River basin. This treaty, involving Libby and three Canadian dams, was ratified by the U.S. Congress in 1961 and by the Canadian Parliament in 1964. Construction of the Libby Dam project began in 1966 and the river was impounded in March 1972 to form Lake Koocanusa.

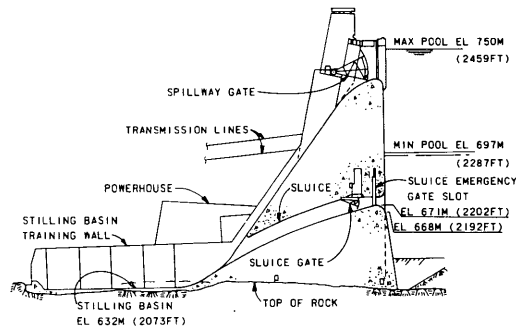
Description of the Libby Dam-Lake Koocanusa  
Project and the Kootenai River

Libby Dam

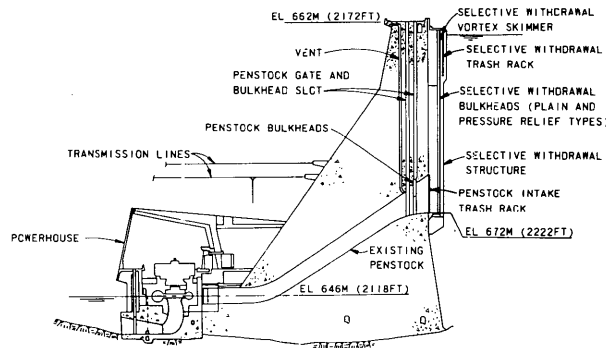
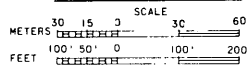
Libby Dam is located on the Kootenai River in northwestern Montana, 350 km (219 miles) upstream from the confluence of the Kootenai and Columbia Rivers and about 27 km (17 miles) upstream from the town of Libby, Montana (Fig. 1). The dam is a concrete gravity structure rising some 130 m (427 ft) above bedrock with a top length of 931 m (3055 ft). Pertinent features of Libby Dam are presented in Table 1 (all tables follow text). The dam has two spillways with crests at elevations of 733 m (2405 ft) above sea level, three sluices with inverts at 671 m (2200 ft), and eight penstocks (four currently in operation) with inverts at 677 m (2222 ft). Plan, elevation, and cross sections of the dam are presented in Figure 2.

The penstocks are provided with a selective withdrawal structure that consists of a series of vertical piers and horizontal bulkheads which permit the withdrawal of water from the reservoir at any elevation, ranging from the penstock invert to within about 6 m (20 ft) of the surface at full pool. The right- and left-hand sections of the structure operate as separate entities, with each section serving four penstocks. The selective withdrawal system was designed to control discharge water temperature and oxygen concentrations; it became operational in 1977.

The powerhouse is designed for eight generators, each of 105 MW capacity, with only four units currently complete and operational. The hydraulic capacity of each turbine is about  $150 \text{ m}^3/\text{s}$  ( $5300 \text{ ft}^3/\text{s}$ ). The remaining four units are currently being installed as part of the Libby additional units and reregulating dam project, which involves the installation of the four remaining generating units at Libby Dam and the planned construction of a reregulating dam 16 km (10 miles) downstream from Libby Dam. Construction of the reregulating dam is delayed, pending



SECTION OF LIBBY DAM SHOWING  
SPILLWAY AND SLUICE



SECTION OF LIBBY DAM SHOWING  
POWERHOUSE INTAKE

Figure 2. Libby Dam -- cross-sectional view.

litigation. The purpose of a reregulating dam is to permit maximum use of the Libby main dam for peaking operation (release of 0 to 1274 m<sup>3</sup>/s (45,000 ft<sup>3</sup>/s)) and to reregulate such flow variations to conform to flow criteria.

Operation of the project

The Libby Dam project is operated for power production and flood control with sufficient lake drawdown by 1 May to provide protection from a 200-year flood for the critical area near Bonners Ferry, Idaho, and to reduce flooding in the lower Columbia River. The reservoir is refilled generally during the period 1 May through mid-July as water is stored for flood control and future power production. Figure 3 diagrams the minimum flood control storage space required in the reservoir based upon the runoff forecast. Considerations affecting reservoir drawdown are power, flood control, and recreation requirements. The reservoir is

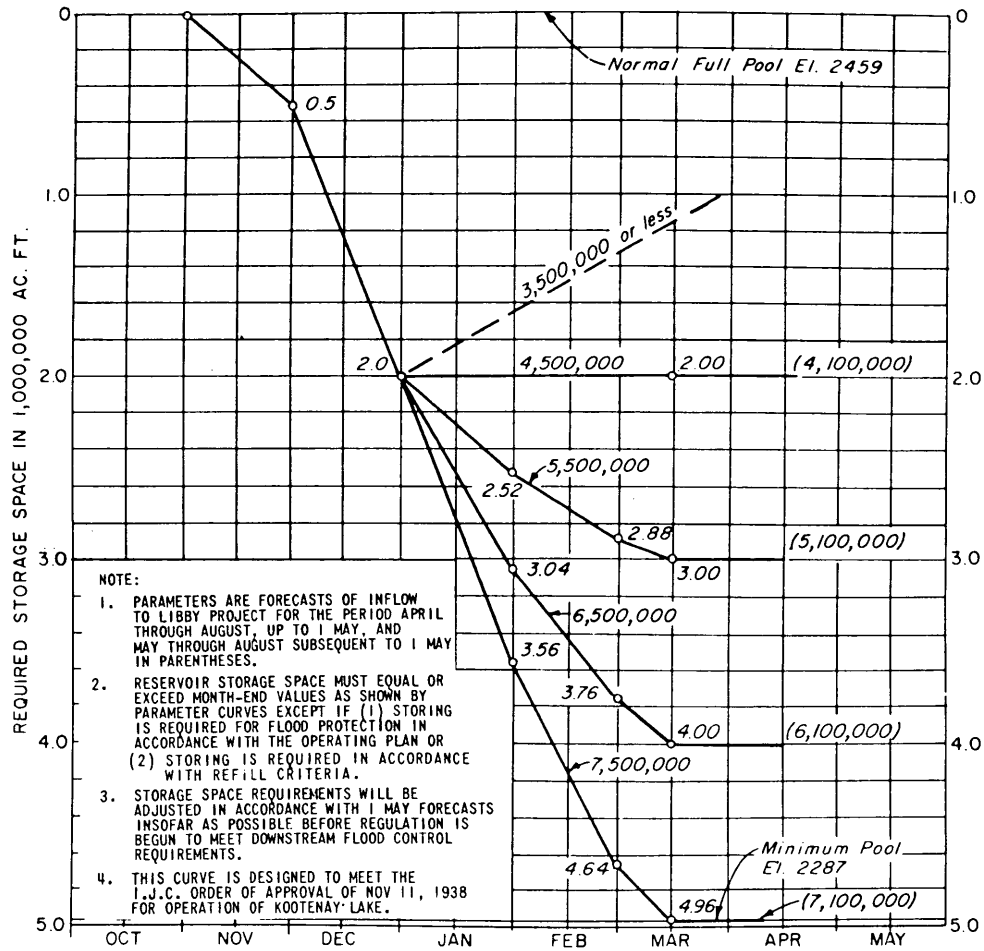


Figure 3. Flood control operating plan (1 acre ft = 1.23 x 10<sup>3</sup> m<sup>3</sup>).

normally held near its summer high elevation through Labor Day (early September) to increase recreation potential. It is gradually drawdown for power generation, usually during September and October. Increased drawdown may be required in the October through March period, depending upon spring snowmelt runoff forecasts and power requirements.

During the filling period, average daily releases from the project will be in the 113 to 225 m<sup>3</sup>/s (4000 to 9000 ft<sup>3</sup>/s) range. When near full, outflow will be increased to equal inflow, about 566 m<sup>3</sup>/s (20,000 ft<sup>3</sup>/s) normally. Natural inflow will be passed through the dam until some time in September when flow has receded to about 226 m<sup>3</sup>/s (8000 ft<sup>3</sup>/s) in most years. During the winter months, average discharge will be increased to a range of 283 to 566 m<sup>3</sup>/s (10,000 to 20,000 ft<sup>3</sup>/s) while the lake is being lowered by power production and to provide storage for the upcoming spring snowmelt.

The following minimum flow and flow fluctuation criteria below Libby Dam were developed by the Corps through coordination with the resource agencies:

1. Minimum flow. The minimum flow criterion is  $57 \text{ m}^3/\text{s}$  ( $2000 \text{ ft}^3/\text{s}$ ). This flow will be needed during rare power emergencies. The Corps will schedule operation based on a minimum flow of  $113 \text{ m}^3/\text{s}$  ( $4000 \text{ ft}^3/\text{s}$ ) whenever practicable. If there is a possibility of not filling the reservoir during the spring months, the flow will be reduced to  $85 \text{ m}^3/\text{s}$  ( $3000 \text{ ft}^3/\text{s}$ ).

2. Flow fluctuations. Maximum allowable tailwater fluctuations are 0.3 m (1 ft) per hour and 1.2 m (4 ft) per day May through September, and 0.3 m (1 ft) per half-hour and 1.8 m (6 ft) per day October through April.

3. Water temperature control. Under current operational plans the selective withdrawal system is typically placed into operation in April with installation of the bulkheads. The bulkheads are stacked and removed from the bays of the withdrawal structure as necessary to selectively withdraw water of any temperature in the water column. All bulkheads are removed in the late fall when the lake becomes isothermal.

A rule curve has been developed to duplicate, to the extent possible, the natural temperatures in the river before the dam was built. This rule curve was modified in 1978 to provide optimum midsummer temperatures

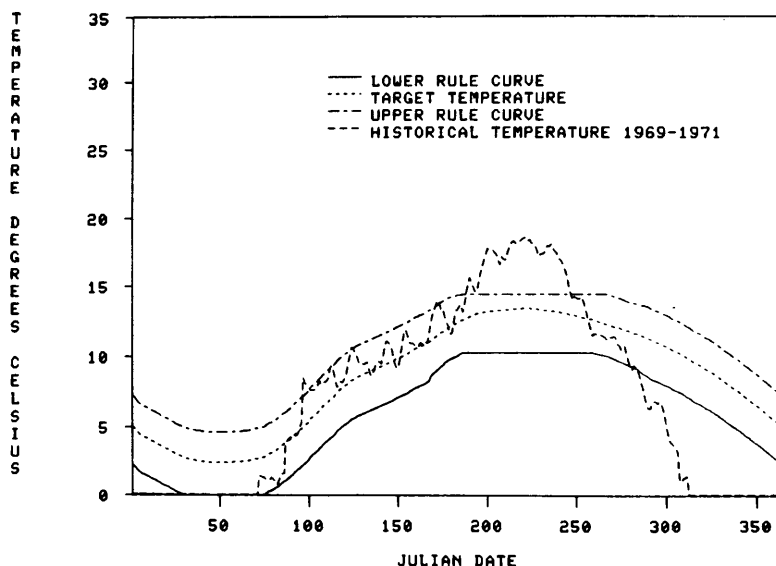


Figure 4. Libby Dam outflow temperature rule curve.

for fish downstream of the dam and to minimize the loss of fish through dam discharges. Average preproject temperatures, temperatures without the selective withdrawal system, and the temperature rule curve currently in use are shown in Figure 4.

#### Lake Koocanusa

Lake Koocanusa is a relatively large, long and narrow reservoir. At full pool the lake has a surface area of  $1.9 \times 10^8 \text{ m}^2$  (46,500 acres) and a length of 145 km (90 miles), extending some 68 km (42 miles) into Canada. The lake has a mean depth of 38 m (126 ft) and a maximum depth of 107 m (350 ft) in the forebay. Normal annual pool fluctuation is about 39 m (129 ft). Mean residence time is 0.69 years. A summary of the lake's pertinent morphometric characteristics is presented in Table 2 and a summary of limnological characteristics is presented in Table 3.

#### The Kootenai River

The Kootenai River basin has an area of  $49,987 \text{ km}^2$  (19,300 square miles) and includes within its boundaries parts of southeastern British Columbia, northern Idaho, and northwestern Montana. Most of the river and its basin, along with its source and its mouth, lie in Canada. The Kootenai River drainage basin is shown in Figure 1.

The Kootenai River has a length of approximately 780 km (485 miles), of which about one-third is in the United States. From its source in Kootenay National Park, British Columbia, the Kootenay (Canadian spelling) River flows about 161 km (100 miles) south, entering the Rocky Mountain Trench near Canal Flats, only 2.4 km (1.5 miles) from Columbia Lake, the headwaters of the Columbia River. From this point, the Kootenai River continues southward another 161 km (100 miles), entering the United States in Montana where it leaves the Rocky Mountain Trench and continues, passing southward through the mountains of the Purcell Range, for about 80 km (50 miles) to its confluence with the Fisher River. Here the river turns abruptly west, passing over Kootenai Falls in a gap between the Cabinet and Purcell Mountains. There the river extends northwestward to Bonners Ferry, Idaho, where it enters the Purcell Trench. Here the valley widens and the river meanders northward some 76 km (47 miles) where it reenters Canada. Shortly after crossing the border, the river flows into Kootenay Lake. From the west arm of Kootenay Lake the river flows 37 km (23 miles) west to its junction with the Columbia River.

The mean annual discharge of the Kootenai River at its mouth is  $868 \text{ m}^3/\text{s}$  ( $30,650 \text{ ft}^3/\text{s}$ ), making the Kootenai the second largest tributary of the Columbia River system, exceeded in volume only by the Snake River. The mean annual discharge at Libby Dam is  $337.5 \text{ m}^3/\text{s}$  ( $11,920 \text{ ft}^3/\text{s}$ ).

#### Wastewater controls influencing Kootenay River water quality

During the study period several pollution point sources were brought under control in British Columbia, and this influenced the water quality of the Kootenai River. A phosphate fertilizer plant near Kimberly, British Columbia, began using a water recycling system early in 1976 to reduce P and N levels in effluent waters discharged into the St. Mary River, a tributary to the Kootenay River. In December 1977 wastewater controls over the company's mining operations were upgraded, further improving the water quality of the St. Mary River.

A kraft paper mill located on the Kootenay River at the mouth of Skookumchuck Creek undertook a major wastewater control project in 1977 to treat its effluent. In June 1977 the City of Cranbrook, British Columbia, began using a spray irrigation system for its municipal and industrial wastewater and ceased discharging effluent into a tributary to the Kootenay River.

#### WATER QUALITY/LIMNOLOGICAL SAMPLING PROGRAM

##### Preimpoundment program

The U.S. Army Corps of Engineers and the Water Resources Service of the Province of British Columbia were the agencies designated by the Columbia River Treaty to represent the United States and Canada in matters relating to the construction of Libby Dam.

A water quality study of the United States reach of the Kootenai River was undertaken by the Corps of Engineers, with the cooperation of the Federal Water Pollution Control Administration (now under the Environmental Protection Agency), in 1967 to document the effects of the construction of Libby Dam on water quality. A report was prepared in 1975 (Bonde and Bush 1975) presenting and discussing the results of the pre-impoundment phase, covering the time period 1967 to 1972. Eleven water quality stations on the United States portion of the Kootenai River and its tributaries were sampled. Parameters measured and reported on in

the preimpoundment report included discharge, water temperature, suspended sediment, turbidity, color, dissolved oxygen, BOD, TOC, pH, total alkalinity, CO<sub>2</sub>, total dissolved solids, specific conductance, hardness, Ca, Mg, Na, K, SO<sub>4</sub>, Cl, F, SiO<sub>2</sub>, total P, ortho-P, NH<sub>3</sub>-N, NO<sub>2</sub>-N, NO<sub>3</sub>-N, organic-N, Fe, Mn, Cu, Pb, Zn, Mo, Co, B, V, Al, Li, Se, Ni, Ag, Be, Cd, Sr, Ba, Hg, As, Cr, Methylene Blue Active Substances (MBAS), total coliform bacteria, fecal coliforms, and aquatic insects.

The British Columbia Pollution Control Branch, now the Waste Management Branch, undertook a similar water quality study of Kootenay River and its tributaries in Canada in 1968. Reports by the British Columbia Department of the Environment, Water Resources Service (1976), Crozier and Leinweber (1975) and Nordine and Crozier (1976) present results of the Canadian study.

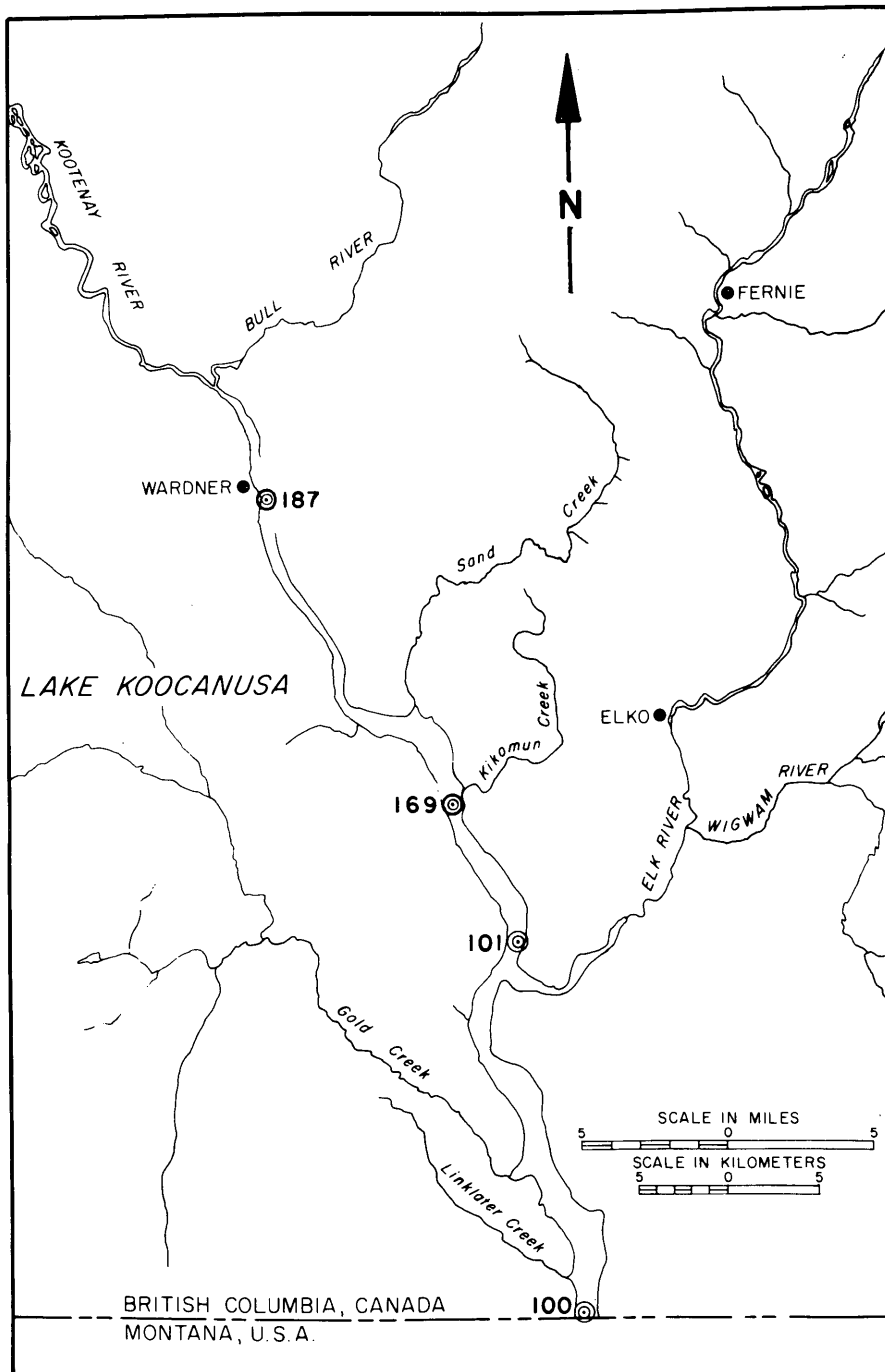
#### Postimpoundment program

Mutual concern over the trophic condition and water quality of Lake Kooconusa and the Kootenai River system led to a continued cooperative study of the river system by the Seattle District, Corps of Engineers, and the British Columbia Waste Management Branch. Eight sampling stations were established on Lake Kooconusa, four in the United States portion and four in the Canadian portion. In addition, the Kootenai River and its principal tributaries were sampled upstream and downstream of the lake.

Although this report does present data from the British Columbia Waste Management Branch study, their program and methodology are not presented herein.

#### Sampling stations

Figures 1 and 5 show the sampling stations on Lake Kooconusa and the Kootenai River in the United States and Canada. Descriptions of the Lake Kooconusa stations are presented in Table 4; descriptions of the stations on the Kootenay River and tributaries upstream of Lake Kooconusa are presented in Tables 5 and 6. Descriptions of stations on the Kootenai River and tributaries downstream of Libby Dam are presented in Table 7.

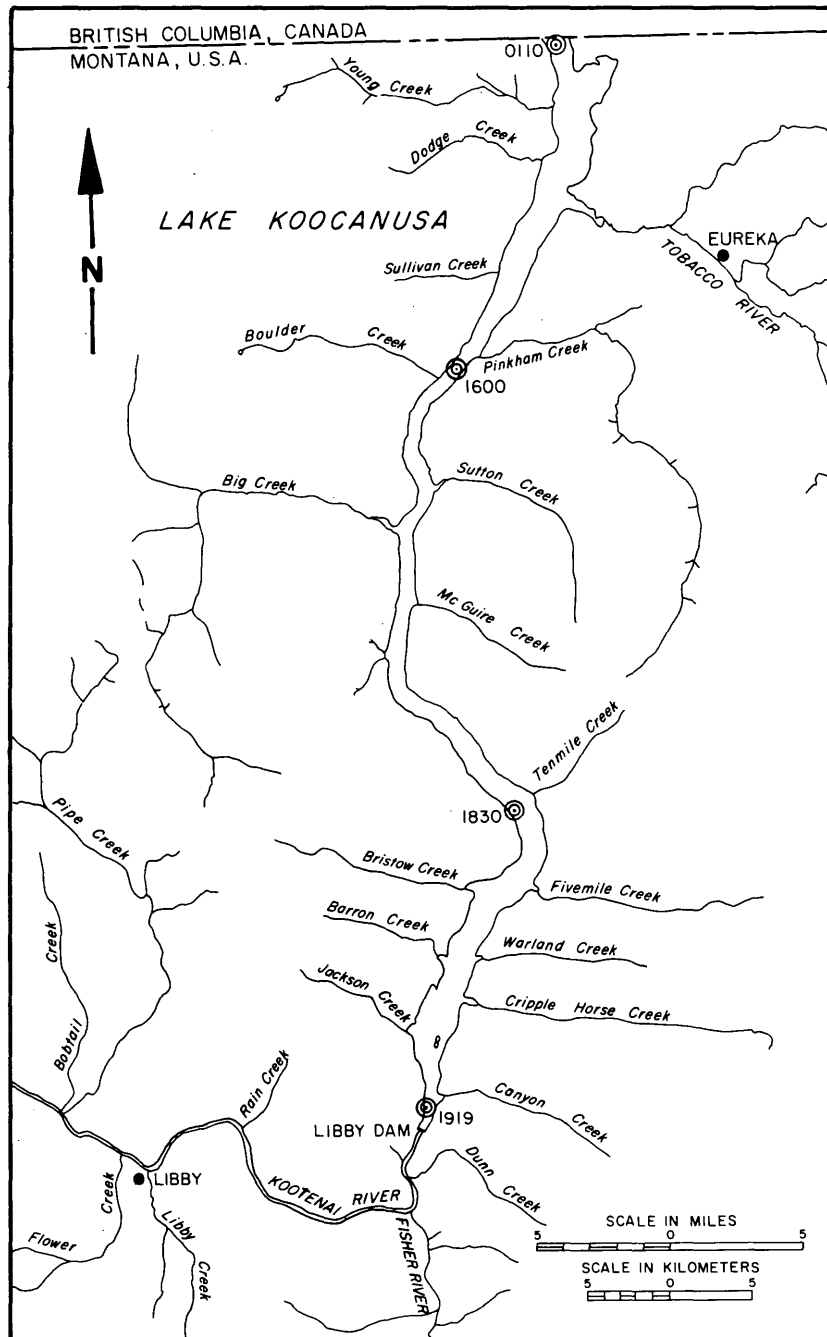


<u>Sta. no.</u>	<u>Agency</u>	<u>Name</u>
100	B.C. Ministry of the Environ. no. 0200100	Lake Koochanusa at International Border
101	B.C. Ministry of the Environ. no. 0200101	Lake Koochanusa at the confluence of Elk River
169	B.C. Ministry of the Environ. no. 0200169	Lake Koochanusa at river mile 294
187	B.C. Ministry of the Environ. no. 0200187	Lake Koochanusa at the north end

a. Canada

Figure 5. Lake Koochanusa water quality sampling stations.





<u>Sta. no.</u>	<u>Agency</u>	<u>Name</u>
1919	COE/USGS USGS no. 12301919	Forebay of Libby Dam
1830	COE/USGS USGS no. 12301830	Lake Koochanusa at Ten Mile Creek
1600	COE/USGS USGS no. 12301600	Lake Koochanusa at Pinkham Creek
0110	COE/USGS USGS no. 1230110	Lake Koochanusa at International Boundary

b. United States.

Figure 5 (cont'd). Lake Koochanusa water quality sampling stations.

### Parameters measured and frequency of sampling

Water quality parameters measured in the Corps of Engineers study consisted of common field determinations of temperature, pH, alkalinity, turbidity, specific conductance, dissolved oxygen, and laboratory analysis of the commonly measured constituents, including the major cations and anions, color, P and N forms, and the less commonly measured constituents, including trace metals, pesticides, radioisotopes, TOC, BOD, COD, and MBAS. Additionally, reservoir stage and streamflow were measured where applicable and sediments were sampled for pesticides, radioisotopes, and trace elements. Samples for the commonly measured constituents were collected weekly until 1974 when the frequency was reduced to twice per month. Trace elements, TOC, BOD, COD, and MBAS were sampled monthly and radioisotopes and pesticides quarterly.

Samples of sediment were collected and analyzed for sorbed pesticides, radioisotopes, and trace elements twice yearly during April and October, from 1972 to the present.

Reservoir profiles of specific conductance, pH, temperature, dissolved oxygen, and light transmittance were measured twice per month from April to October (1972 to present). Concurrently, lake water samples were collected at 3 m below the surface and 3 m above the bottom for chemical analysis.

### Methodology

The following paragraphs present the methodology of sampling and analysis used in the Corps of Engineers study. Techniques and procedures are generally those of the U.S. Geological Survey (USGS) who collected the samples and did the field and laboratory analyses under contract with the Seattle District, Corps of Engineers.

Discharge. Reservoir elevations and stream discharge records were obtained from water stage recorders, supplemented by readings from wire weight gages installed and maintained by the USGS.

Water temperature. Continuous thermograph recordings were supplemented by once daily or spot observations taken in connection with sediment or chemical samples. Field personnel used a calibrated mercury Model FT-3 Marine Hydrographic, or Enviro Lab, Model 15 102 thermometer.

Suspended sediment. Suspended sediment concentrations, expressed as milligrams of dry sediment per liter of water-sediment mixture, were determined using the methodology of Guy and Norman (1970).

Turbidity. Turbidity was determined from daily sediment samples. Turbidity concentrations were measured with a Hach 2100 laboratory turbidimeter. The turbidity of these samples, some of which were stored up to 30 days or more, was read after 10 seconds of agitation. These data were supplemented by "grab" samples collected during the routine chemical sampling, or more frequently as necessary, to define specific turbidity problems.

In situ reservoir profiles. Profiles for specific conductance, temperature, dissolved oxygen, pH, and light transmittance were made using a Martek Model XMS water quality monitor. The Martek transmissometer was used to determine the percent transmission of a light beam through a 1-m path in water. The volume attenuation coefficient (extinction coefficient)  $\alpha$  ( $\alpha$ ) was calculated from the formula:

$$\alpha = \ln 1/T$$

Chemical parameters. Field sampling and analysis and laboratory analysis were accomplished principally by the USGS under contract to the Seattle District, Corps of Engineers, using the methods and procedures for sampling and analysis of Rainwater and Thatcher (1960), Brown et al. (1970) and Skougstad et al. (1979). Methods of laboratory analysis are shown in Table 8.

## RESULTS

Results obtained during the course of the Corps of Engineers study are introduced in the following paragraphs. In addition, selected data from the British Columbia Waste Management Branch Study are reported with permission of the Branch. No discussion or evaluation of results will be presented herein; such will be the subject of future reports.

Much of the water quality data compiled by USGS from their sampling of the four river and four reservoir stations may be retrieved from the USGS WATSTORE daily file and the EPA STORET computer data base. A principal exception is the water column profile data which are not in either

the WATSTORE or STORET system. The discharge and water quality data compiled by the USGS are also published in their annual water resources reports.

### Libby Dam operation

Discharge from Libby Dam for March 1972 through December 1978 is shown in Figure 6 and the data are presented in Table 9. The mode of discharge (powerhouse, spillway, sluiceway) is presented in Table 10. Daily lake elevations for the study period are provided by Table 11 and Figure 7. Table 12 presents the placement and removal schedule for bulkheads in operation of the selective withdrawal system of the dam.

### Lake Kootenai limnology and water quality

Monitoring of Lake Kootenai consisted of in situ profile measurements of specific parameters in the water column and collection of discrete samples for analysis.

Profile data for lake temperature, pH, dissolved oxygen, specific conductance, and light transmissibility are presented in Tables 13, 14, 15, and 16 for the United States stations at Forebay, Tenmile Creek, Pinkham Creek, and International Boundary, respectively. Example isopleth diagrams of temperature and dissolved oxygen for the Forebay station during 1972 and 1977 are presented in Figures 8 and 9. Water column profile

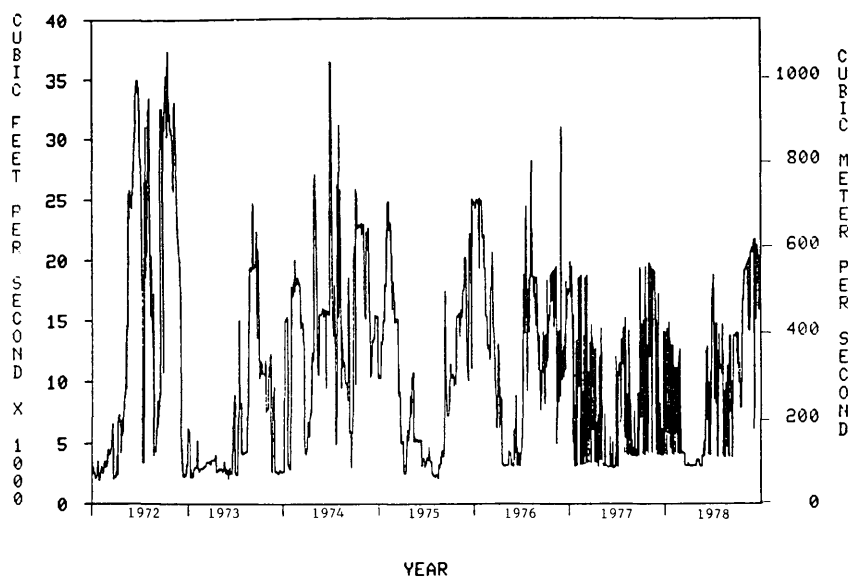
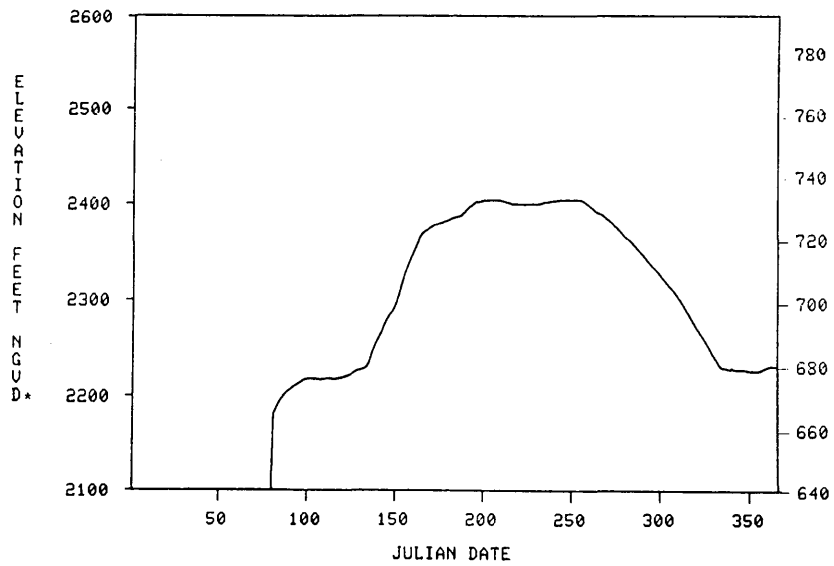
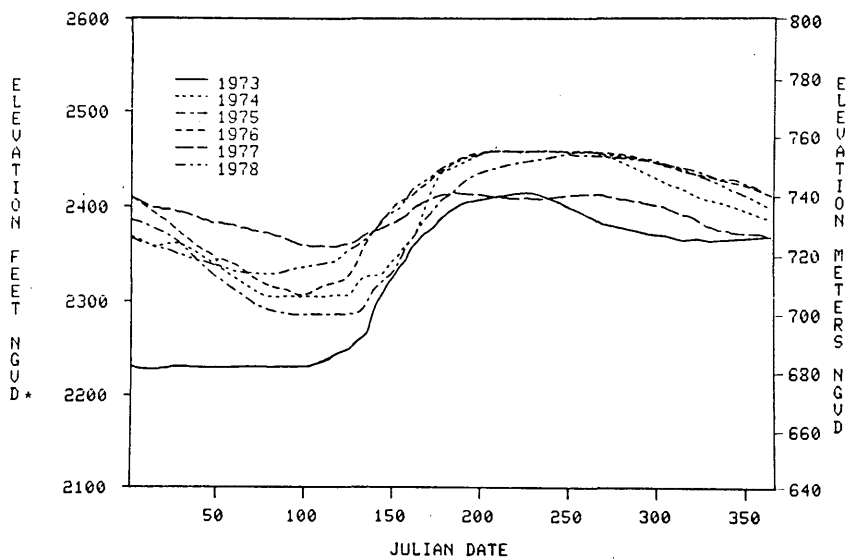


Figure 6. Discharge records, Kootenai River below Libby Dam, 1972 through 1978.



a. 1972.

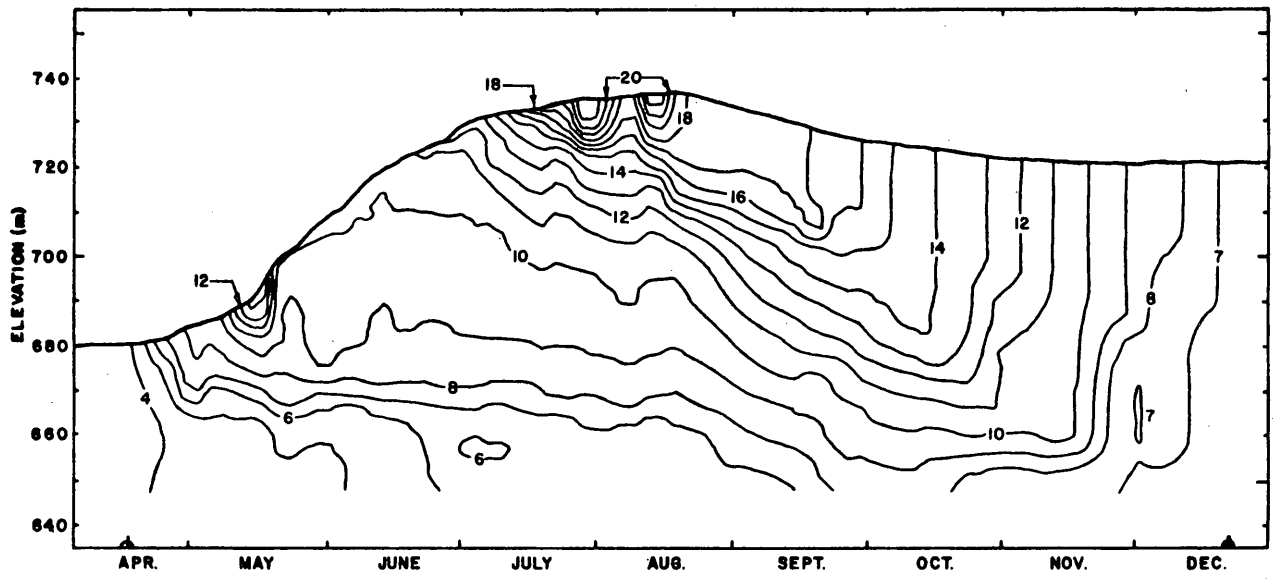


b. 1973-1978.

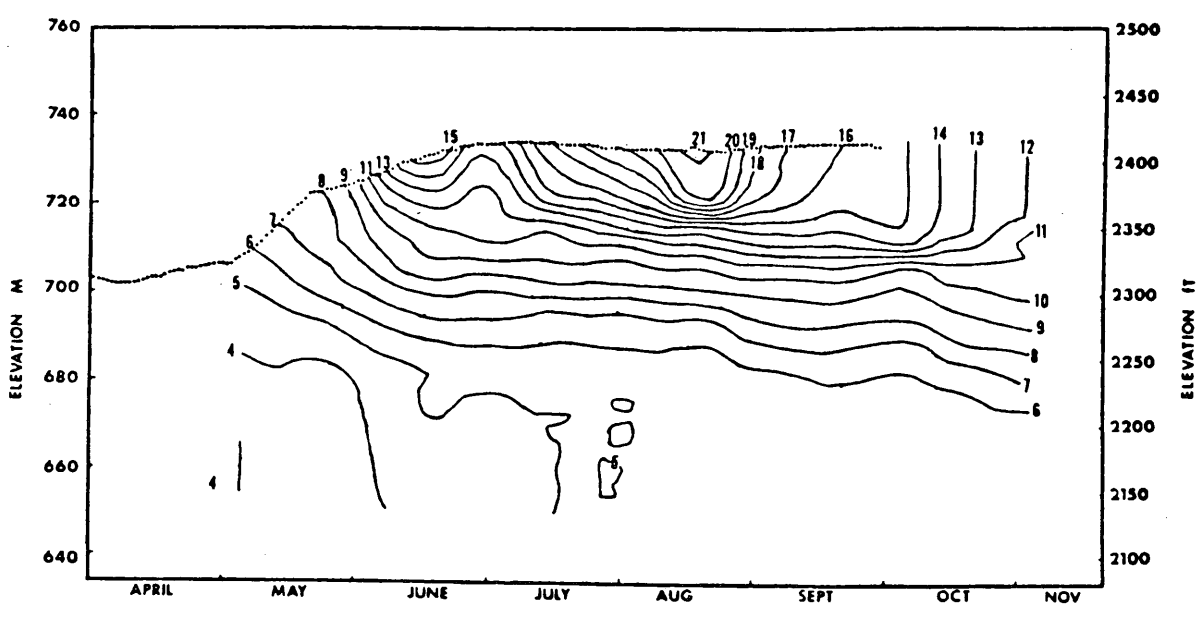
Figure 7. Lake Kocanusa elevation (\*National Geodetic Vertical Datum).

data for the lake sampling stations in Canada are presented in Tables 17 through 20. Data from the temperature sensors located on the upstream face of Libby Dam are presented in Table 21.

A summary of the results of chemical analysis of lake samples is presented in Tables 26, 27, 28, and 29 for the four U.S. lake stations, Forebay, Tenmile Creek, Pinkham Creek, and International Boundary,



a. 1973.

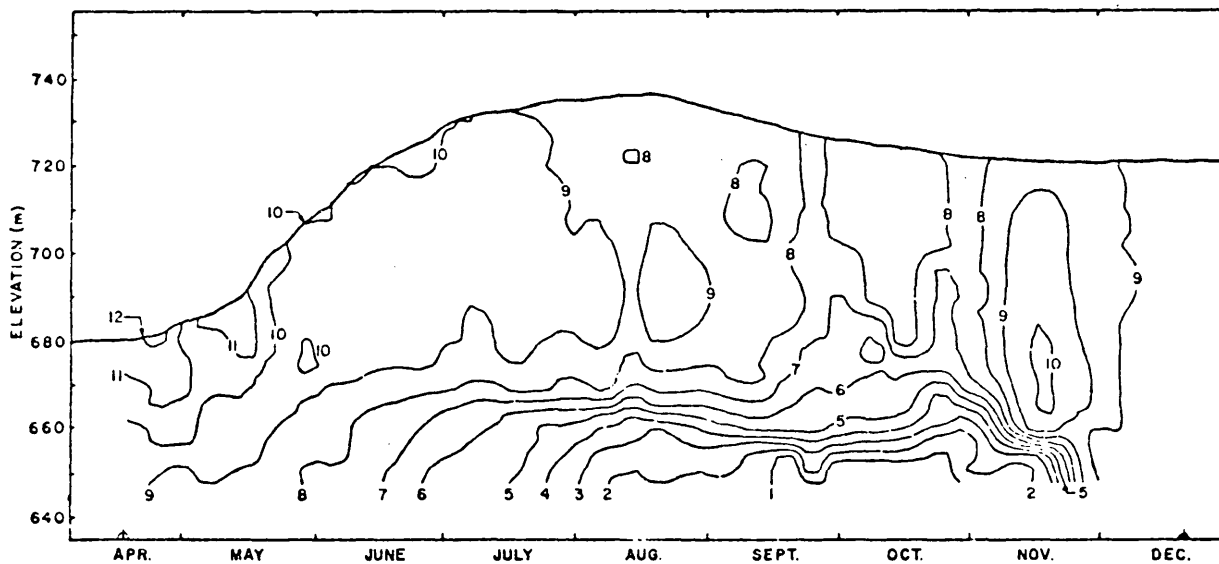


b. 1977.

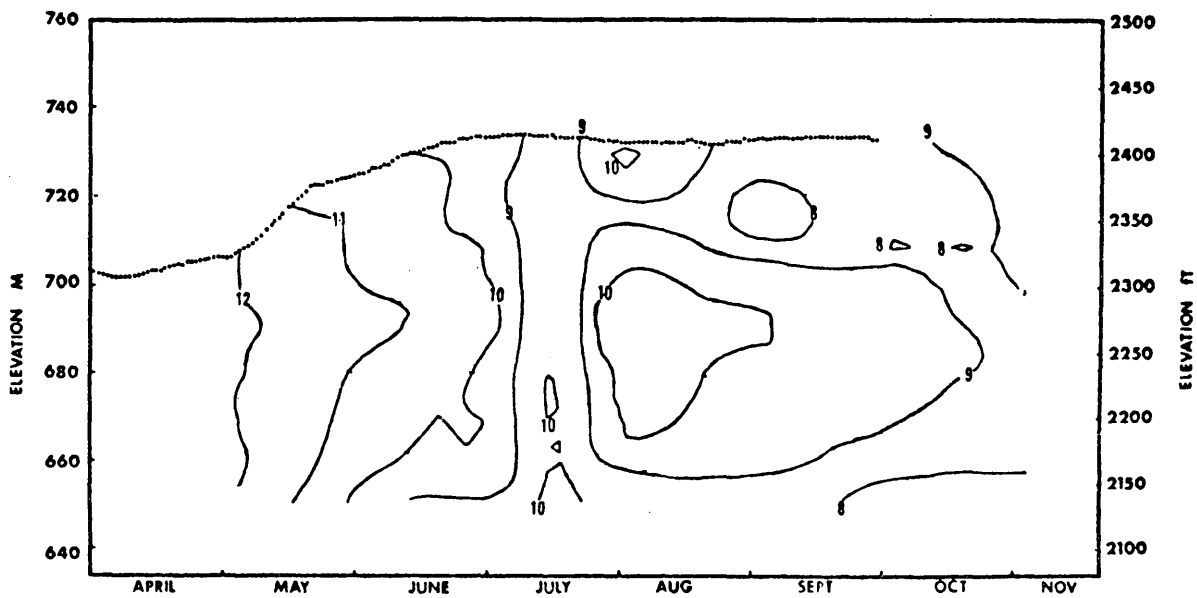
Figure 8. Isopleths of water temperature (°C), Forebay.

respectively. The summary is from the STORET computer base. The data upon which the summary is based are presented in Tables 30-33, 38-41, 46-53, 58-61, 62-65, and 66-77.  $PO_4$ -P and combined  $NO_2 + NO_3$ -N for the lake stations are presented in Figures 10 and 11 as an example of the nutrient data for the lake.

The results of water quality sampling of the Canadian lake stations are provided in Tables 34-37, 42-45, and 54-57.



a. 1973.



b. 1977.

Figure 9. Isopleths of dissolved oxygen (mg/L), Forebay.

PARAMETER	MG/L	NOBS	AVE	MAX	MIN	BEG-DATE	END-DATE
668 ORTHOPO4	PO4	231	0.04	0.25	0.00	73/07/16	78/10/25

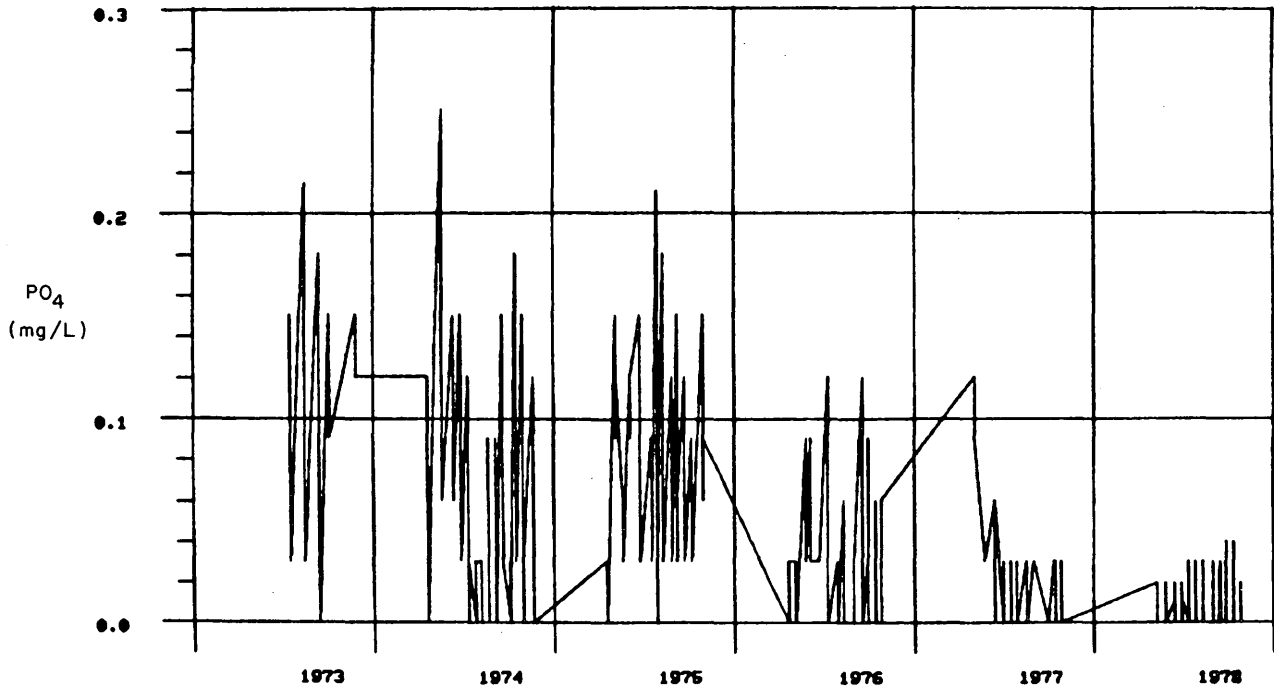


Figure 10. Ortho-P concentrations, Lake Kocanusa, Forebay station, 1973 through 1978.

PARAMETER	MG/L	NOBS	AVE	MAX	MIN	BEG-DATE	END-DATE
631 NO2&NO3	N-DISS	293	0.1	0.6	0.0	72/06/05	79/10/03

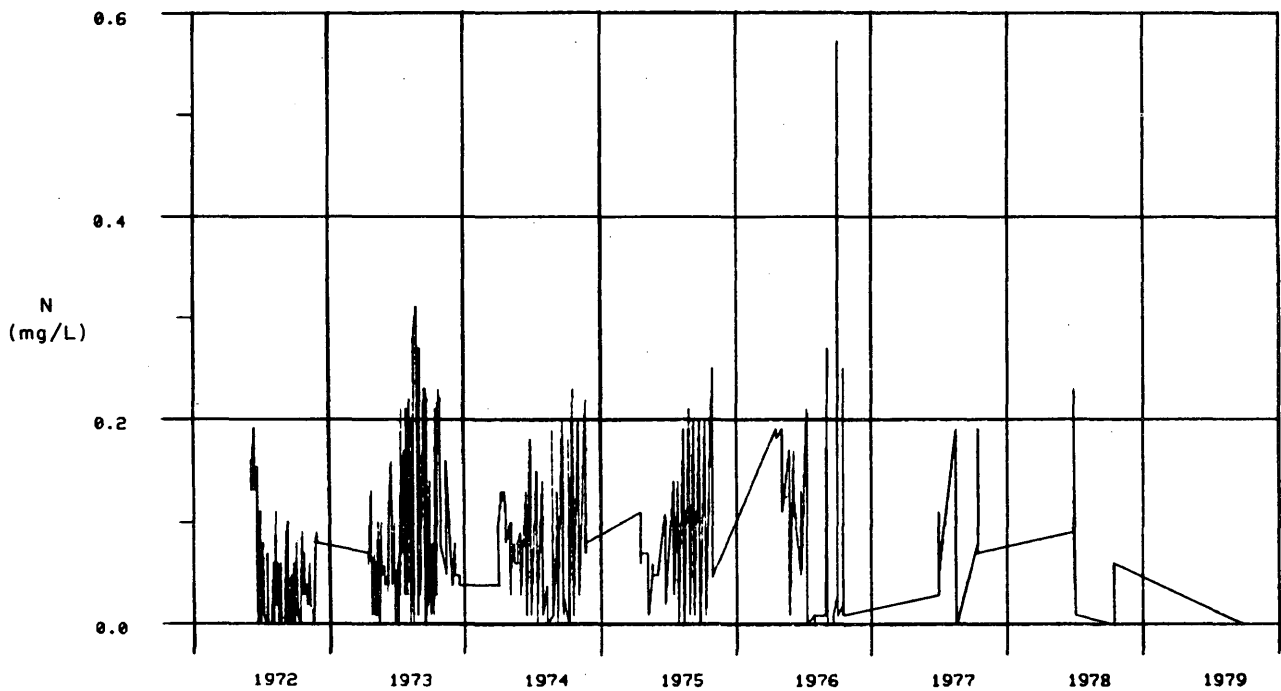


Figure 11. Combined NO<sub>2</sub> and NO<sub>3</sub>-N concentrations, Lake Kocanusa, Forebay station, 1972 through 1978.



### Tributaries to Lake Koochanusa

Discharge records for the Tobacco, Elk, and Bull Rivers are presented in Tables 79, 80, and 81, respectively. Results of chemical analyses for the Tobacco, Elk, and Bull Rivers are presented in Tables 82 through 96. P and N loadings of these three lake tributaries are presented in Tables 97, 98, and 99.

### Kootenay River upstream of Lake Koochanusa

Discharge records for the Kootenay River, near Wardner, and near Fort Steele, British Columbia, are presented in Tables 100 and 101. Water chemistry data for the Kootenay River, near Wardner, are presented in Tables 102 through 105. P and N loadings of the river at Picture Valley are presented in Table 106.

### Kootenai River downstream of Libby Dam and Fisher River

Discharge records for the Kootenai River below Libby Dam are presented in Table 9. River discharges at Libby, at Leonia, near Copeland, Idaho, and at Porthill, Idaho, are presented in Tables 113, 114, 115, and 116, respectively. Discharge records for the Fisher River are presented in Table 117.

A summary (inventory) of chemical data for the Kootenai River below Libby Dam, at Libby, at Leonia, near Copeland, and at Porthill, and for the Fisher River is presented in Tables 121, 122, 123, 124, 125, and 126, respectively. These summaries are from STORET; the data upon which they are based are presented in Tables 127 through 157. Examples of water temperature and dissolved oxygen measurements taken from below the dam are presented in Figures 12 and 13, respectively.

P and N loadings of the Kootenai River, below Libby Dam, are presented in Table 158. P and N loadings into Lake Koochanusa and below Libby Dam are shown in Figures 14 and 15.

10	PARAMETER	TEMP	CENT	NOBS	AVE	MAX	MIN	BEG-DATE	END-DATE
	WATER	TEMP	CENT	305	7.9	18.5	0.3	72/03/20	78/12/14

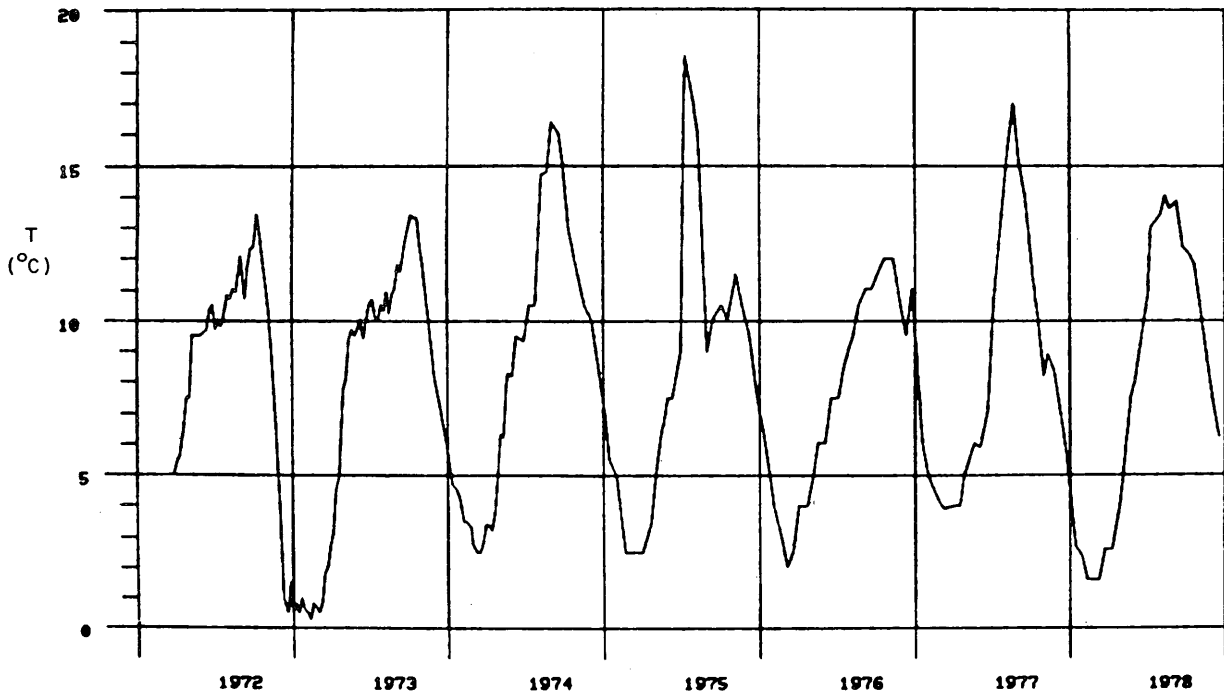


Figure 12. Water temperature measured in the Kootenai River below Libby Dam, 1972 through 1978.

300	PARAMETER	MG/L	NOBS	AVE	MAX	MIN	BEG-DATE	END-DATE
	DO	MG/L	225	13.2	18.3	7.7	72/03/20	78/12/14

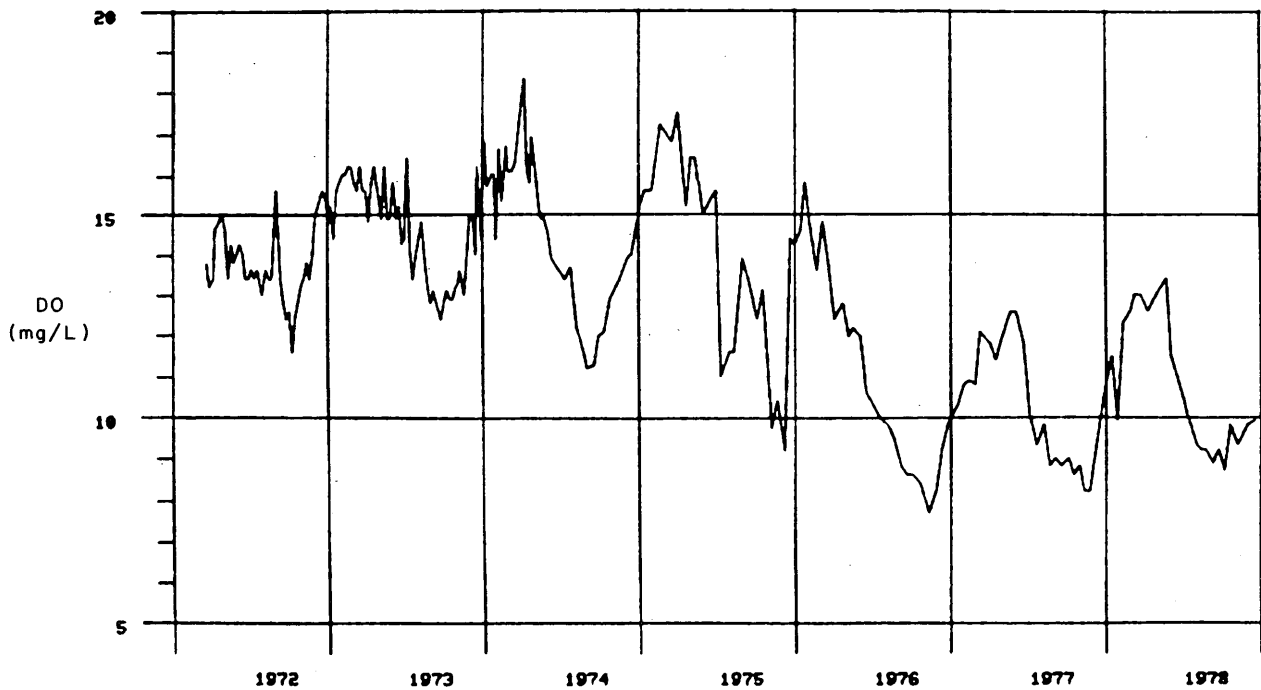


Figure 13. Dissolved oxygen measured in the Kootenai River below Libby Dam, 1972 through 1978.

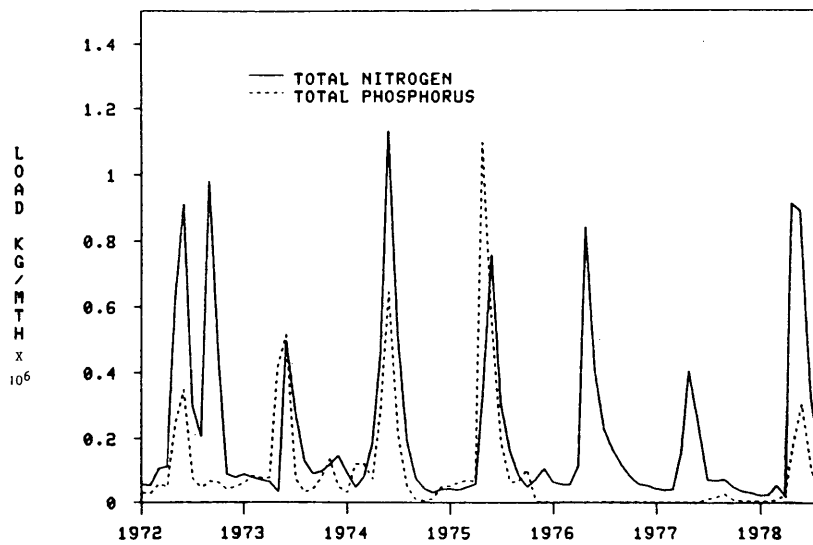


Figure 14. P and N loadings into Lake Kootenai.

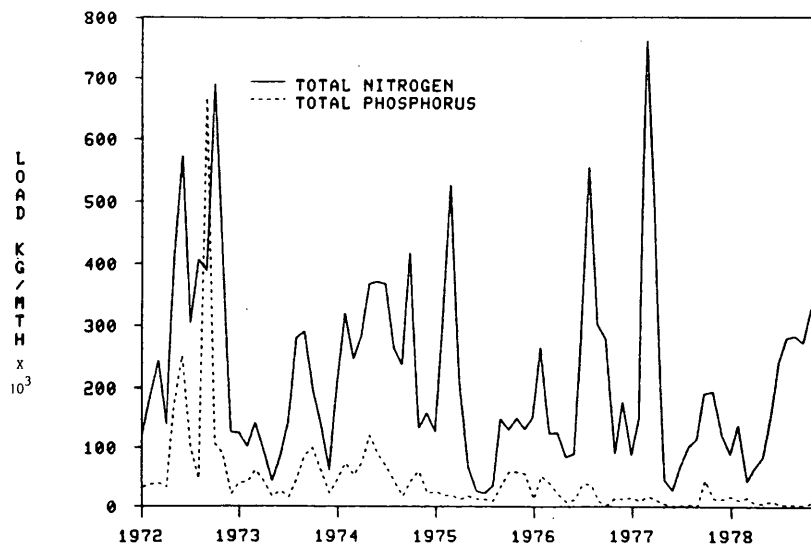


Figure 15. P and N loadings, Kootenai River, below Libby Dam.

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TABLE 1

## FEATURES OF LIBBY DAM

Location: Kootenai River; km 350 (R.M. 219), 27 km (17 mi.) upstream of Libby, Lincoln County, Montana. Latitude 48° 24' 38" North, Longitude 155° 18' 47" W; NW 1/4, Sec. 33, T. 31 N, R. 29 W.

Dam:

Type	Concrete - gravity
Height	130.2 m (427.3 ft.) above bedrock
Length	931 m (3,055 ft.)

Dam Outlet Structures:

Number of Spillway Bays	2
Spillway Crest Elevation	733.0 m (2405.0 ft.)
Width Spillway Bays	14.6 m (48 ft.)
Spillway Gate Size, Width by Height	14.6 x 16.7 m (48 x 55 ft.)
Spillway Discharge Capacity, Elevation 749.5 m (2,459 ft)	4,049 m <sup>3</sup> /s (143,000 c.f.s.)
Number of Sluices	3
Sluice Top Elevation	678.4 m (2,225.8 ft.)
Sluice Invert Elevation	671.0 m (2,201.35 ft.)
Sluice Size, Width by Height	3.5 x 7.86 m (10.25.8 ft.)
Sluice Gate Size, Width by Height	3.05 x 5.18 m (10 x 17 ft.)
Sluice Discharge Capacity at Elevation 749.5 m (7,459 ft)	1,784 m <sup>3</sup> /s (63,000 c.f.s.)
Number of Penstocks	8 (4 operational)
Penstock Top Elevation	692.4 m (2,271.53 ft.)
Penstock Invert Elevation	677.3 m (2,222.0 ft.)
Penstock Opening, Width by Height	6.25 x 15.1 m (20.5 x 49.5 ft.)
Penstock Diameter	6.1 m (20 ft.) outlet

Powerplant:

Initial Number of Power Units	4
Ultimate Number of Power Units	8
Generator Capacity (Nameplate Rating)	105,000 kW
Initial Plant Capacity (Nameplate Rating)	420,000 kW
Ultimate Plant Capacity (Nameplate Rating)	840,000 kW
Turbine Type	Francis

TABLE 1 (con.)

Power plant:

Turbine Rating at net head of 91.4 m (300 ft)	165,000 hp
Turbine, Hydraulic Capacity at gross head 87.8 m (288 ft)	162.8 m <sup>3</sup> /s (5,750 c.f.s.)
Maximum Turbine Hydraulic Capacity (4 Turbines)	651.3 m <sup>3</sup> /s (23,000 c.f.s.)
Maximum Turbine Hydraulic Capacity (8 Turbines)	1,302.6 m <sup>3</sup> /s (46,000 c.f.s.)
Turbine Hydraulic Capacity, Speed No Load	11.3 m <sup>3</sup> /s (400 c.f.s.)

Pertinent Dates:

Construction Began	1966
River Ceased to be Free-Flowing	2 August 1971
River Impoundment	21 March 1972
First Turbine Online	10 August 1975
Second Turbine Online	10 October 1975
Third Turbine Online	21 January 1976
Fourth Turbine Online	31 March 1976
Selective Withdrawal System Operational	6 June 1977

TABLE 2

SUMMARY OF LAKE KOCCANUSA  
MORPHOMETRIC CHARACTERISTICS

Area	
Maximum Pool ( $A_m$ )	188.0 sq km (46,456 acres)
Minimum Pool ( $A_{min}$ )	58.6 sq km (14,487 acres)
Volume	
Maximum Pool ( $V_m$ )	7.24 km <sup>3</sup> (5,869,400 acre ft.)
Minimum Pool ( $V_{min}$ )	1.10 km <sup>3</sup> (890,000 acre ft.)
Depth, Mean ( $z$ )	38.5 m (126.4 ft.)
Depth, Maximum ( $z_m$ )	107 m (350 ft.)
Length, Maximum ( $l$ )	145 km (90 mi)
Breadth, Maximum ( $b_m$ )	4 km (2.5 mi)
Shoreline, Length ( $L$ )	360 km (224 mi)
Shoreline Development ( $D_L$ )	7.4
Elevation of Datum	
Maximum Pool ( $h_m$ )	749.5 m (2,459 ft.)
Minimum Pool ( $h_{min}$ )	697.1 m (2,287 ft.)
Drawdown, Maximum	52.4 m (172 ft.)
Storage Ratio	0.68 year
Drainage Area ( $A'$ )	23,271 km <sup>2</sup> (8,985 mi <sup>2</sup> )
Drainage Area: Surface Area	124:1

TABLE 3

SUMMARY OF LAKE KOOCANUSA  
LIMNOLOGICAL CHARACTERISTICS

Chlorophyll <u>a</u>	
Annual Mean	1.00 ug/l
Maximum	2.61 ug/l
Minimum	0.309 ug/l
Primary Production	
Annual Mean	123.1 mg/m <sup>2</sup> /day
Maximum	320 mg/m <sup>2</sup> /day
Minimum	70 mg/m <sup>2</sup> /day
Total Phosphorus	
Annual Mean	0.035 mg/l
Annual Loading	66 g/m <sup>2</sup> as P
Orthophosphorus	
Annual Mean	0.014 mg/l
Annual Loading	29.4 g/m <sup>2</sup> as P
Total Nitrogen	
Annual Mean	0.277 mg/l
Annual Loading	167.2 g/m <sup>2</sup> as N
Nitrate Nitrite Nitrogen	
Annual Mean	0.091 mg/l
Annual Loading	52.1 g/m <sup>2</sup> as N
Solar Radiation	
Mean	2,733.72 ft candles



TABLE 4

## SAMPLING STATIONS LOCATED ON LAKE KOOCANUSA

<u>Station:</u>	<u>Lake Koocanusa at Forebay of Libby Dam, Montana</u>
Station Number:	COE/USGS water quality station No. 12301919
Station Location:	Located at Latitude 48°24'43", Longitude 115°18'33", at river km 357 (R.M. 222)
Period of Record:	June 1972 to present
<u>Station:</u>	<u>Lake Koocanusa at Tenmile Creek, Montana</u>
Station Number:	COE/USGS water quality station No. 12301830
Station Location:	Latitude 48°35'06", Longitude 115°13'52", 20 km upstream from Libby Dam at river km 373 (R.M. 232)
Period of Record:	June 1972 to present
<u>Station:</u>	<u>Lake Koocanusa Below Pinkham Creek, Montana</u>
Station Number:	COE/USGS water quality station No. 12301600
Station Location:	Latitude 48°49'37", Longitude 115°15'58", 50 km upstream from Libby Dam at River km 399 (R.M. 248)
Period of Record:	June 1972 to 1976
<u>Station:</u>	<u>Lake Koocanusa at the International Boundary, Montana, British Columbia</u>
Station Number:	COE/USGS water quality station No. 12300110
Station Location:	Latitude 48°59'44", Longitude 115°10'43", 70 km upstream from Libby Dam at river km 416 (R.M. 259)
Period of Record:	June 1972 to Present

TABLE 4 (con)

<u>Station:</u>	<u>Lake Koochanusa at the International Border, British Columbia, Montana</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200100
Station Location:	Latitude 49°00'00", Longitude 115°10'40"
Period of Record:	July 1972 to present
<u>Station:</u>	<u>Lake Koochanusa at the Confluence of the Elk River, British Columbia</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200101
Station Location:	Latitude 49°10'50", Longitude 115°13'30" on west side of lake
Period of Record:	July 1972 to present
<u>Station:</u>	<u>Lake Koochanusa at R.M. 294, British Columbia</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200169
Station Location:	Latitude 49°15'30", Longitude 115°16'45", on west shore of lake
Period of Record:	August 1973 to present
<u>Station:</u>	<u>Lake Koochanusa at the North End</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200187
Station Location:	Latitude 49°23'45", Longitude 115°25'20", near west shore of lake
Period of Record:	August 1974 to present

TABLE 5

SAMPLING STATIONS LOCATED ON  
TRIBUTARIES TO LAKE KOOCANUSA

<u>Station:</u>	<u>Tobacco River near Eureka, Montana</u>
Station Number:	COE/USGS water quality and gaging station No. 12301200 Preimpoundment station No. 6
Station Location:	Latitude 48°53'37", Longitude 115°05'13", tributary to Lake Koocanusa
Period of Record:	October 1970 to June 1976
Gaging Station:	Recording gage; September 1958 to present
 <u>Station:</u>	 <u>Elk River, British Columbia</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200016
Station Location:	Latitude 49°11'31", Longitude 115°08'20", at Highway 93 Bridge
Period of Record:	August 1968 to present
Gaging Station:	Water Survey of Canada gaging station No. 8NK-5. Located at Latitude 49°12'54", Longitude 115°06'38", at Phillip's Bridge, 6.8 km (4.2 miles) upstream; Recording gage, July 1924 to present
 <u>Station:</u>	 <u>Bull River, British Columbia</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200030
Station Location:	Latitude 49°28'55", Longitude 115°25'50" near Wardner, British Columbia
Period of Record:	August 1968 to present
Gaging Station:	Water Survey of Canada gaging station No. 8NG-5. Located at Latitude 49°25'35", Longitude 115°21'50", Near Wardner; Manual Gage June 1927 to 1966, Recording 1967 to present; June 1927 to present

TABLE 6

SAMPLING STATIONS LOCATED ON  
KOOTENAI RIVER UPSTREAM OF LAKE KOOCANUSA

<u>Station:</u>	<u>Kootenay River at Wardner, British Columbia</u>
Station Number:	British Columbia Waste Management Branch water quality station No. 0200017
Station Location:	Latitude 49°25'10", Longitude 115°25'12", at Highway 3 bridge at Wardner
Period of Record:	September 1973 to 8 June 1971 when replaced by station No. 0200038
Gaging Station:	Water Survey of Canada gaging station No. 8NG-5; Manual gage; 1914 to November 1972
 <u>Station:</u>	 <u>Kootenay River at Picture Valley</u>
Station Number	British Columbia Waste Management Branch water quality station No. 020038 replaced station No. 020017 on 8 June 1971.
Station Location:	Latitude 49°31'22", Longitude 115°33'00"
Period of Record:	September 1963 to present
Gaging Station:	Water Survey of Canada gaging station No. 8NG-65 Located at Latitude 49°36'50", Longitude 115°38'05", at Fort Steele, British Columbia, 24.9 km (15.5 mi) upstream; Manual gage 1963 to 1966; Recording gage 1966 to present

TABLE 7

SAMPLING STATIONS LOCATED ON KOOTENAI RIVER  
DOWNSTREAM OF LAKE KOOCANUSA AND FISHER RIVER

<u>Station:</u>	<u>Kootenai River Below Libby Dam Near Libby, Montana</u>
Station Number:	COE/USGS water quality and gaging station No. 12301933 Preimpoundment station No. 3
Station Location:	Latitude 48°24'23", Longitude 115°118'57", 490 m (1,600 ft) downstream from Libby Dam at river km 365 (R.M. 221.4)
Period of Record:	October 1971 to present
Gaging Station:	Nonrecording gage; October 1971 to present
 <u>Station:</u>	 <u>Kootenai River at Libby, Montana</u>
Station Number:	COE/USGS water quality and gaging station No. 12305000 Preimpoundment station No. 7
Station Location:	Latitude 48°24'03", Longitude 115°33'08", 550 m (1,800 feet) downstream from highway bridge at river km 229 (R.M. 204.3)
Period of Record:	July 1969 to July 1973
Gaging Station:	Gage recorder; October 1910 to present
 <u>Station:</u>	 <u>Kootenai River at Leonia, Idaho</u>
Station Number:	COE/USGS water quality and gaging station No. 12305000 Preimpoundment station No. 8
Station Location:	Latitude 48°37'04", Longitude 116°02'47", at river km 276 (R.M. 171.6)
Period of Record:	1969 to present
Gaging Station:	Gage recorder; period of record: March 1928 to present

TABLE 7 (con.)

<u>Station:</u>	<u>Kootenai River Near Copeland, Idaho</u>
Station Number:	COE/USGS water quality and gaging station No. 12318500 Preimpoundment Station No. 9
Station Location:	Latitude 48°54'18", Longitude 116°24'07", at river km 200 (R.M. 124.2)
Period of Record:	May 1967 to present
Gaging Station:	Nonrecording wire weight gage; October 1929 to present
<u>Station:</u>	<u>Kootenai River at Porthill, Idaho</u>
Station Number:	COE/USGS water quality and gaging station No. 12322000 Premimpoundment station No. 10
Station Location:	Latitude 49°00'00", Longitude 116°30'10", at River km 170 (R.M. 105.63)
Period of Record:	1975 to present
Gaging Station:	Gage recorder; April 1928 to present
<u>Station:</u>	<u>Fisher River near Libby, Montana</u>
Station Number:	COE/USGS water quality and gaging station No. 1232055 Preimpoundment station No. 5
Station Location:	Latitude 48°21'20", Longitude 115°18'50"
Period of Record:	June 1967 to June 1976
Gaging Station:	Gage recorder; September 1967 to present

TABLE 8

METHODS OF CHEMICAL ANALYSIS USED BY THE USGS  
 IN LAKE KOOCANUSA AND THE KOOTENAI RIVER,  
 JANUARY 1972 THROUGH DECEMBER 1978<sup>1/</sup>

<u>Parameter</u>	<u>Method</u>	<u>Comment</u>
Alkalinity	Potentiometric	
Aluminum	AAS	changed prior to May 1974
Arsenic	Hydride, AAS	changed prior to May 1975
Barium	AAS + ICP	changed prior to December 1975, + ICP starting toward the end of 1978, ICP also used.
Beryllium	AAS + ICP	ICP starting toward the end of 1978
Boron	Dianthrimide	
Cadmium	AAS + ICP	ICP starting toward the end of 1978
Calcium	AAS + ICP	ICP starting toward the end of 1978
TOC	Carbon analyzer	
Chloride	Mercuric thiocyanate, AA	changed between December 1978 and July 1979
Chromium	AAS	
Cobalt	AAS + ICP	ICP starting toward the end of 1978
Color	Comparison	
Copper	AAS + ICP	ICP starting toward the end of 1978

AAS = atomic absorption

ICP = emission spectrometric, inductively coupled plasma

AA = automated with technician and analyzer

<sup>1/</sup>Methods and Procedures are presented in Rainwater and Thatcher, 1960; Brown, Skougstad and Fishman, 1970; and Skougstad, et al., 1979.

TABLE 8 (con.)

<u>Parameter</u>	<u>Method</u>	<u>Comment</u>
Fluoride	Ion Selective Electrode -	changed to this by end of of 1974; method changed by December 1975
Hardness	Calculation	Method changed prior to 1975
Iron	AAS + ICP	ICP starting toward the end of 1978
Lead	AAS + ICP	ICP starting toward the end of 1978
Lithium	AAS + ICP	ICP starting toward the end of 1978
Magnesium	AAS + ICP	ICP starting toward the end of 1978
Manganese	AAS + ICP	ICP starting toward the end of 1978
MBAS	Methylene blue	
Molybdenum	AAS + ICP changed	Method changed prior to May 1975; ICP starting toward the end of 1978
Nickel	AAS	
NH <sub>4</sub> -N	Indophenol - AA	changed prior to 1974
NO <sub>3</sub> -N	NO <sub>2</sub> +NO <sub>3</sub> -N - cadmium reduction - AA NO <sub>2</sub> -N - diazotization - AA NO <sub>3</sub> -N - calculation from above	Method changed prior to 1974 November
NO <sub>2</sub> -N	Diazotization - AA	

---

AAS = atomic absorption

ICP = emission spectrometric, inductively coupled plasma

AA = automated with technician and analyzer



TABLE 8 (con.)

<u>Parameter</u>	<u>Method</u>	<u>Comment</u>
Organic N	Calculated from total kjeldahl minus ammonia. Total kjeldahl N currently obtained by kjeldahl block digestion plus asalicylate hypochlorite - AA	TKN method changed to block digester kjeldahl in 1977
COD	Dichromate oxidation, colorimetric	Method changed in 1977
Phenols	4-aminoantipyrine	
Phosphorus	Phosphomolybdate -but AA	
Potassium	AAS	
Selenium	Hydride - AAS	changed prior to May 1975
Silica	Molybdate blue	
Silver	AAS	
Sodium	AAS + ICP	ICP starting toward the end of 1978
Dissolved Solids	ROE	
Suspended Solids	Filtration	
Specific Conductance	Instrumental, usually automated	
Strontium	AAS + ICP	ICP starting toward the end of 1978
Sulfate	Methylthymal blue, AA	Method changed by December 1975
Turbidity	Hellige	
Vanadium	Catalytic oxidation + ICP	ICP starting toward the end of 1978

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AAS = atomic absorption

ICP = emission spectrometric, inductively coupled plasma

AA = automated with technician and analyzer

TABLE 8 (con.)

Zinc	AAS + ICP	ICP starting toward the end of 1978
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AAS = atomic absorbtion

ICP = emission spectrometric, inductively coupled plasma

AA = automated with technician and analyzer

TABLE 9. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2500	2400	4400	2200	8600	25300	28000	26800	8400	33000	27000	8000
2	2600	2600	4500	2600	8700	25800	27800	32900	7700	33200	26100	4400
3	2800	2800	4000	3100	9000	25800	27500	33500	7600	33800	25700	4500
4	3000	3000	4200	3900	8900	26300	26800	29400	6300	34300	27700	4500
5	2900	3100	4000	4000	9200	27500	25500	19600	7000	35300	30300	3800
6	2700	3000	4200	2700	11300	28800	15100	16200	7800	35300	32600	2900
7	2600	2900	4200	2400	13000	28800	10000	15400	7900	34000	33100	2900
8	2600	2800	4200	6600	13400	29500	3400	17300	8100	31600	31700	2300
9	2600	2700	4200	6900	9400	29800	3900	20400	9000	30200	30400	2300
10	2600	2600	4100	7100	14600	30000	3900	18400	9100	30400	29400	2400
11	2500	2500	4200	7300	14600	30500	3600	15700	8900	32100	30200	2500
12	2300	2500	4400	7200	14000	31300	3400	14900	13600	34800	29400	2300
13	2200	2700	4600	7100	14600	33300	4900	14600	25800	37400	28400	2200
14	2100	2900	4700	6900	18000	34300	14000	13600	32600	34200	28500	2200
15	2100	3000	5200	6700	19200	34500	26500	12800	31900	32000	26200	2400
16	2100	3200	5300	6700	20600	34500	24300	16000	31000	33000	25400	2400
17	2200	3500	5800	6700	25000	34800	23000	17300	29700	33300	24000	2400
18	2300	3500	6000	6000	25500	34800	18600	11000	32000	31600	22600	2400
19	2300	3300	6300	4200	24800	35000	19300	4000	32200	32000	22000	2300
20	2400	3000	6600	5100	23500	34800	31000	4600	32600	32000	21600	2400
21	2900	3400	4700	4500	25300	34300	24000	4600	32400	30900	21500	2400
22	3500	3500	2000	5900	25800	34100	21100	4600	23500	30600	21000	3200
23	3400	3500	2100	6900	25800	34100	20400	4600	10700	30500	20900	3000
24	3100	3300	2100	6500	25500	34500	20900	4400	24000	30500	20200	3100
25	2600	3100	2200	5900	25300	33500	26600	4400	31800	30800	19900	3100
26	2500	3100	2200	5700	25000	33500	24500	4300	31300	30600	19900	3300
27	2300	3100	2200	6000	24500	31500	23500	4300	31800	30300	19100	3800
28	2000	3700	2200	7400	24800	29000	26600	4600	30700	30100	17500	6200
29	1900	3900	2200	7800	24500	28300	32500	5800	31000	29800	16900	6000
30	2000	---	2600	8100	24300	28000	32500	5700	31700	29300	13300	6000
31	2200	---	2600	---	25000	---	32200	6800	---	28400	---	5800
TOTAL	77800	88600	122600	170100	581700	936200	625300	408500	628100	995300	742500	107400
MEAN	2510	3055	3955	5670	18760	31210	20170	13180	20940	32110	24750	3465
MAX	3500	3900	6600	8100	25800	35000	32500	33500	32600	37400	33100	8000
MIN	1900	2400	2000	2200	8600	25300	3400	4000	6300	28400	13300	2200
CAL YR 1972 TOTAL	5484100											
MEAN	14980											
MAX	37400											
MIN	1900											

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5900	3100	2900	3600	2800	2800	2500	4200	19300	10300	7740	2670
2	5800	3200	3100	3600	2800	2600	2500	4200	19300	10500	8250	2600
3	5600	4500	3100	3600	2800	2400	2400	4200	19300	10600	10500	2640
4	5600	5200	3100	3600	2800	2100	2500	4200	21900	10700	10400	2710
5	4900	4500	3100	3600	2800	2500	2500	4200	24700	11600	10500	2690
6	2700	2900	3100	3600	2800	2600	2400	4200	24400	10700	11200	2660
7	2200	2900	3100	3600	2900	2900	2400	4200	22900	10600	10500	2660
8	2300	2900	3100	3600	2900	2800	2400	4300	19400	10700	10400	2620
9	2200	2900	3100	3600	2900	3000	2700	4300	19300	11400	10500	2580
10	2600	2800	3400	3600	2800	2600	5100	4300	19300	11000	10900	2550
11	2800	2600	3400	3700	2700	2500	6500	4300	19500	10700	11900	2520
12	2300	2700	3400	3700	2700	2600	6300	4300	19600	10600	12200	2480
13	2200	2800	3400	3800	2600	2500	9200	4400	19500	10600	9900	2420
14	2200	2800	3400	4000	2700	2600	15000	4300	19700	10600	5790	2530
15	2200	2900	3500	4000	2800	2600	10000	5800	19900	10600	5730	2680
16	2300	2900	3400	4000	2900	2500	7900	7800	20000	10600	5040	2800
17	2200	2900	3400	3700	3400	2500	8000	8100	20000	10600	2740	2670
18	2200	2900	3400	2600	3500	2900	7900	10900	21100	10600	2670	2780
19	2300	2900	3400	2600	3400	4200	8100	14900	22300	10500	2640	2780
20	2800	2900	3400	2700	3200	4200	8200	14900	17500	10500	5100	2690
21	2800	2900	3400	2700	2900	4500	8200	14700	13500	10500	8740	2690
22	2800	2900	3400	2700	2800	5900	8200	16600	20700	10500	8460	2660
23	2800	2900	3500	2700	2700	8200	6300	19300	20900	11700	8430	2630
24	2900	2900	3500	2700	2500	8300	4200	19100	20700	10600	8440	2640
25	3000	2900	3400	2700	2900	8300	4300	19300	19600	7470	8420	2640
26	3000	2900	3300	2700	2700	8900	4400	19400	19700	7720	8820	2640
27	3000	3000	3200	2800	2500	8600	4200	19300	20000	7730	9520	2630
28	3000	3000	3500	2900	2500	7900	4100	19400	15500	7700	4230	2630
29	3000	---	3500	2900	2500	5100	4100	19400	10400	7700	2770	2640
30	3000	---	3600	2900	2500	2600	4100	19100	10200	7780	2720	2640
31	3000	---	3600	---	2700	---	4100	19200	---	7700	---	2650
TOTAL	95600	86600	103100	98500	87400	123700	170700	326800	580100	311100	235150	81820
MEAN	3084	3093	3326	3283	2819	4123	5506	10540	19340	10040	7838	2639
MAX	5900	5200	3600	4000	3500	8900	15000	19400	24700	11700	12200	2800
MIN	2200	2600	2900	2600	2500	2100	2400	4200	10200	7470	2640	2420
CAL YR 1973 TOTAL	2300570											
MEAN	6303											
MAX	24700											
MIN	2100											

TABLE 9. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2680	17600	18000	4660	27000	15300	36100	16300	8410	9700	22600	10600
2	2680	17400	18000	6210	27000	15300	32900	18100	8410	18600	22700	10700
3	2660	17100	17800	6740	25500	15400	28000	16200	14500	22800	22900	12400
4	6390	17000	17700	6690	23400	15500	25200	21500	18300	25800	18700	13300
5	14900	17000	16700	6480	21700	15700	18900	25800	18400	25500	15400	13300
6	14900	17200	14300	5800	20400	15900	14600	16300	18500	25300	15400	13300
7	14900	17600	14500	5580	16100	15800	14300	9410	14800	25400	15300	13200
8	15000	18000	14700	5490	11400	15700	13700	12500	7530	23500	15200	13200
9	15100	18300	14800	5530	10900	15000	15500	14400	5800	22600	15200	13400
10	15000	18200	14800	6610	10700	9440	16500	13400	5920	22800	15100	13500
11	15100	18100	14600	7290	10500	15600	16100	13400	5920	22600	17100	13400
12	15200	17400	14700	7370	10600	15500	15400	12000	5920	22600	22200	13400
13	15200	20000	14600	7500	10500	15500	17900	11100	5920	22800	22100	13900
14	15300	18100	14700	7580	12500	15800	16700	11400	5920	22700	21800	15400
15	14400	17900	13900	8070	15400	15700	14000	11700	4860	22700	22300	15400
16	8900	18300	13200	9700	15400	15800	12000	11500	2990	22800	21500	15400
17	4970	18200	13200	12000	15500	15700	6660	11500	5830	22800	20900	15300
18	3420	18100	12700	12300	15500	15600	4900	11500	5830	22900	20900	15300
19	3090	18000	9130	11700	15500	15500	4900	11300	5830	22800	21600	15300
20	3160	18400	7090	11600	15500	15600	4940	11200	5830	22700	22600	15300
21	2990	18500	6180	11600	15500	15700	7260	10400	5800	22700	22300	15200
22	2930	18400	4240	11700	15400	15700	14000	9930	9600	22700	19000	15200
23	3010	18500	4210	12000	15400	15400	13700	9930	14600	22700	15500	15300
24	3140	18400	4210	12600	15500	15400	19800	9760	18600	22600	15500	15300
25	2820	18300	4170	15800	15700	18000	21000	9760	19900	22000	15700	15300
26	2880	18200	4110	19200	15700	22900	26200	9760	20700	23000	12300	11900
27	2810	18000	4070	23700	15800	28100	22100	9760	20100	22600	10300	10200
28	4120	18100	4220	26200	16000	33200	22100	9830	21100	22200	10300	10200
29	11900	---	4380	26200	15700	36400	15300	9500	20900	22400	10500	10200
30	16800	---	4570	26700	15900	36400	15700	9280	18900	22800	10600	10300
31	17800	---	4550	---	15600	---	31100	8760	---	22800	---	10300
TOTAL	274150	504300	338030	340600	503200	542540	537460	387180	345620	697900	533500	414400
MEAN	8844	18010	10900	11350	16230	18080	17340	12490	11520	22510	17780	13370
MAX	17800	20000	18000	26700	27000	36400	36100	25800	21100	25800	22900	15400
MIN	2660	17000	4070	4660	10500	9440	4900	8760	2990	9700	10300	10200

CAL YR 1974 TOTAL 5418880 MEAN 14850 MAX 36400 MIN 2660

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10400	24600	14900	5010	8810	5100	3260	2330	4380	11400	15400	15500
2	10400	24500	14900	5160	8060	5010	3500	2290	4370	10500	15600	13200
3	10300	24400	14800	5150	7380	5040	3750	2280	4180	10400	15400	14000
4	10200	24800	15000	3890	7400	5100	3790	2230	3940	10300	15200	12000
5	10200	24800	15000	2630	8560	5160	3710	2150	3830	10300	15100	10300
6	10200	23800	15100	2610	10100	5220	3770	2340	4020	10300	13600	10300
7	12300	22500	15100	2540	10300	5260	3830	2400	4150	10500	15300	10300
8	13200	22700	15000	2470	10300	5250	3600	2440	4180	10300	15500	10000
9	13000	22500	15000	2480	10400	5180	3850	2410	5680	10200	15500	12700
10	13000	22400	14900	2510	10600	5220	3680	2350	17400	10600	15900	15200
11	13000	23000	15100	2550	10700	5230	3600	2380	16700	10300	15500	18100
12	13000	23000	15100	2550	10600	5250	4720	2390	12100	10300	15200	20300
13	14100	23000	14000	2510	7600	4090	3680	2200	9900	10400	15400	21600
14	14800	21900	9880	2920	5260	3090	3780	2230	9940	9600	15300	22100
15	14900	20100	8810	3660	5090	3170	3860	2120	10000	10100	15400	22000
16	14900	20200	8790	4100	5150	3190	3590	2100	8320	10200	15600	22000
17	15000	20400	8940	4560	5370	3200	3500	2120	7310	10200	17400	21900
18	14900	16000	9130	5020	5480	3690	3520	3290	7230	10000	17500	22100
19	14900	15900	9070	5580	5250	3640	3500	3070	7230	10100	17500	20400
20	16700	18200	9050	6070	5180	3790	3450	3070	7300	10200	17500	11000
21	17900	18000	7710	5900	5120	3760	3480	2960	7200	10500	17500	11000
22	17800	18100	6870	5440	5190	3550	3500	3030	7260	9640	17600	17100
23	18000	18100	6850	5200	5310	3600	2730	3180	7260	11900	18000	25000
24	17900	17700	6610	5250	5260	3650	2500	3370	7450	15300	20000	24900
25	17900	16800	5520	5600	5220	3210	2490	3890	7530	15200	20100	24700
26	17800	17000	5000	5960	5120	2990	2520	3890	7740	15400	20200	24900
27	20200	16200	5050	6080	5170	3330	2410	3430	9100	15300	20200	24800
28	21800	14800	4960	6570	5320	3330	2280	3320	10100	15300	20000	24800
29	21800	---	5030	7750	5310	3260	2360	3440	9990	15300	19900	24600
30	21900	---	5020	8720	5210	3210	2390	4380	10100	15300	18800	24500
31	23000	---	5100	---	5180	---	2330	4380	---	15300	---	24600
TOTAL	475400	575400	321290	136440	215000	123770	102930	87460	235890	360640	507200	575900
MEAN	15340	20550	10360	4548	6935	4126	3320	2821	7883	11630	16910	18580
MAX	23000	24800	15100	8720	10700	5260	4720	4380	17400	15400	20200	25000
MIN	10200	14800	4960	2470	5090	2990	2280	2100	3830	9600	13600	10000

CAL YR 1975 TOTAL 3717320 MEAN 10180 MAX 25000 MIN 2100

TABLE 9. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24700	22000	11700	13000	3160	3590	4270	16400	13300	11400	16100	11000
2	24600	21800	14000	12700	3160	5990	4710	18700	13500	13700	14400	10300
3	24600	21800	17700	12400	3160	5920	5300	18700	13900	13800	14400	10100
4	24500	22000	17600	12400	3160	6040	5410	18500	10900	13600	14400	10100
5	24200	22000	17600	10700	3160	3650	5410	18700	10900	13700	15200	10200
6	24400	22000	17600	8400	3170	3620	8200	22700	10900	11100	19200	12300
7	24600	20200	17800	6200	3170	6200	15100	28100	13700	13300	19200	12400
8	24800	19300	18500	6800	3150	6230	17300	22900	11000	18300	19200	12400
9	25000	19300	20500	7600	3160	8830	17700	20100	10800	11700	19200	12600
10	24900	19300	20600	8630	3160	6230	18800	22500	10800	11800	19300	12800
11	24900	19300	18000	8660	3220	6200	18700	21900	7610	11600	19400	10300
12	24800	17800	15000	8600	4000	3190	15300	18800	7620	13600	18600	10300
13	24900	15400	14400	8420	4330	3130	13900	18600	10800	15200	5030	12000
14	24900	15300	14300	8420	4170	4650	13900	18600	8810	15400	4880	12300
15	24900	15300	14300	8340	4060	4170	15300	18600	10700	15200	14100	13400
16	24800	15300	13600	4290	3980	4170	20800	18600	9010	14900	10300	13800
17	24500	15300	13600	3250	4170	4150	24300	16900	11400	15100	13300	10900
18	24700	15300	12500	3250	4150	4170	24400	16900	10700	15200	13900	18100
19	20300	13900	11500	3230	4080	3160	21100	17000	10700	15500	13900	18200
20	19300	12700	10000	3260	4130	3190	18600	18600	13000	18700	8360	15700
21	25100	12700	9990	3260	4040	4190	17900	17600	12700	18600	8310	15500
22	24700	12600	9760	3150	3160	4130	12500	17500	13900	16500	14100	15100
23	24600	12900	9040	3090	3190	4110	9200	15600	14000	16600	14100	17300
24	24900	12900	8060	3100	3230	4130	14800	16400	13900	18900	14100	17400
25	24800	12700	7320	3100	3190	4110	16300	14700	13200	18800	8880	17500
26	24600	12600	7220	3060	3220	3070	17500	14500	8530	18800	8740	17500
27	24700	12500	6320	3130	3250	3130	14300	15500	9330	16600	8730	17600
28	24900	12100	6180	3150	3170	4130	17000	18600	9350	16800	14600	17100
29	24800	11800	6200	3160	3070	4110	16900	17500	8080	19000	30900	17200
30	24200	---	7350	3150	3120	4130	18400	16200	9800	19000	15100	17200
31	21900	---	12900	---	3100	---	13900	16400	---	19100	---	17500
TOTAL	753500	478100	401140	189900	107640	135720	457200	572300	332840	481500	429930	436100
MEAN	24310	16490	12940	6330	3472	4524	14750	18460	11090	15530	14330	14070
MAX	25100	22000	20600	13000	4330	8830	24400	28100	14000	19100	30900	18200
MIN	19300	11800	6180	3060	3070	3070	4270	14500	7610	11100	4880	10100
CAL YR 1976 TOTAL	4775870		MEAN 13050		MAX 30900		MIN 3060					

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17400	9200	13300	12600	3610	3060	10200	9190	3940	7790	18800	15000
2	17600	9240	13900	13000	9670	3070	5830	8690	3940	7030	18900	13900
3	19800	9760	18500	6020	13000	3080	3470	8800	3970	14700	19700	4020
4	17500	18500	11000	12600	14300	3090	3050	15200	4000	12800	19700	4050
5	17600	9540	3280	12700	13000	3070	3060	14400	4010	11800	11900	8930
6	19400	9550	3280	12300	11600	5530	6170	10700	5200	14600	19500	6830
7	16900	14200	5760	12300	4420	3070	10700	4150	7610	14200	18500	4080
8	19300	14800	7560	12100	3250	3070	9980	8920	3940	6770	13900	12200
9	19400	18300	10100	3510	3250	3050	11300	6870	5340	4090	19300	17200
10	19400	18600	18700	3430	3250	3060	10400	7470	3930	7190	19400	4450
11	16500	17300	16100	12300	3250	3040	11300	4040	3920	11100	19200	4080
12	14800	3230	3670	11900	3200	3040	11300	4040	3900	15000	4560	8000
13	14000	3210	3310	12600	3130	3090	11200	4020	3900	14900	4170	7820
14	15200	14900	10700	7290	3140	3030	11500	4020	3900	13400	12000	4170
15	5180	18700	10700	6010	3160	5150	10700	6130	4000	4030	11300	3960
16	5010	17400	6170	3350	3130	3010	9370	13600	4440	3970	11900	8180
17	15400	3420	7200	3360	7380	2950	6590	13900	3930	10000	15200	4030
18	11100	3260	6910	3440	3300	2940	7320	14200	3950	4040	19200	3990
19	4980	3250	3370	3450	3220	2940	12500	11100	8560	14800	18700	4030
20	4030	3220	3390	3440	3220	2960	13400	4650	9000	19400	19100	6120
21	3100	3220	13100	7230	3220	3050	13300	3990	8960	7360	19100	4080
22	3070	4520	12600	7250	3220	3070	13400	7500	9020	15200	19100	4000
23	3070	13500	12500	3150	3210	3100	13300	8460	5000	4340	19000	4000
24	10200	13700	12700	3000	3130	3060	12200	7010	4100	15200	18900	3990
25	11000	3670	8810	11000	3070	3840	11400	7010	3940	10800	19000	3970
26	13200	3270	6540	11100	3110	3630	14100	6350	8130	6950	16000	4010
27	13200	3250	3330	11100	3100	3100	14100	3950	9150	8240	4400	13600
28	13300	4580	14100	11700	3090	7240	14400	3950	17300	8170	12700	14000
29	3290	---	14400	12000	3070	12000	14300	5270	19300	4340	16600	14000
30	3120	---	12700	3860	3040	11100	7660	4110	19000	4060	13500	14000
31	8880	---	13300	---	3020	---	4190	3930	---	14000	---	4200
TOTAL	375930	269290	301180	249090	149760	118490	311690	235620	199280	310270	473230	228890
MEAN	12130	9618	9715	8303	4831	3950	10050	7601	6643	10010	15770	7384
MAX	19800	18700	18700	13000	14300	12000	14400	15200	19300	19400	19700	17200
MIN	3070	3210	3280	3000	3020	2940	3050	3930	3900	3970	4170	3960
CAL YR 1977 TOTAL	3222720		MEAN 8829		MAX 19800		MIN 2940					

TABLE 9. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4100	12900	12600	3150	3520	3880	16800	11100	10400	13900	19000	20900
2	14000	12900	6980	3140	3560	4550	15600	11000	3910	13900	18300	21000
3	13900	12900	5290	3130	3620	5070	17300	10900	3850	13900	19100	20800
4	13800	4140	4170	3130	3620	5090	17700	11200	3800	13900	19100	20600
5	13900	3950	4110	3160	3590	5140	17700	10900	9430	12100	19100	20900
6	11300	11200	4140	3080	3590	7170	18700	11100	13600	13900	19200	21100
7	4000	10800	4140	3080	3580	8020	18600	10900	13600	11300	19200	21300
8	4000	10700	4250	3070	3500	10300	14400	10500	13700	13900	19400	21400
9	14300	10800	4240	3080	3490	12400	8460	12700	13700	13900	19400	21600
10	14200	10800	4160	3060	3570	9720	14300	14200	13600	13800	19400	6060
11	13700	4410	4150	3080	3620	6840	14300	14600	7460	9800	19500	12700
12	13500	4050	4160	3050	3350	7940	14400	10000	9140	10300	19500	21600
13	12900	11100	4150	3050	3120	12800	14400	3930	9130	10500	19600	21600
14	5690	8900	4130	3040	3100	11500	14400	6350	9290	9960	19700	18800
15	5770	10900	4140	3080	3040	12600	11700	8570	9870	9960	19800	21100
16	13800	11000	4140	3140	3020	10000	8100	3800	3810	11400	15800	21200
17	14400	8990	4140	3140	3090	4030	14300	9040	3750	8780	16500	15000
18	14800	4280	3140	3130	3130	4400	14600	9110	6760	7690	14100	16400
19	13600	4150	3120	3120	3090	9840	14700	3810	9380	8810	20000	20900
20	13500	10800	3130	3120	3090	8140	8840	3770	9320	8640	20100	21100
21	4600	11000	3140	3130	3070	4730	4170	9140	11700	9990	20100	21100
22	4570	11000	3130	3130	3040	4000	3790	9600	13700	8270	19900	20600
23	13200	11200	3130	3120	3040	3990	3790	9680	13600	7850	14000	20700
24	12100	11900	3100	3140	3900	3990	5110	9800	13700	11700	15500	20400
25	12700	4330	3080	3150	3910	3980	7830	8980	13700	14400	20500	20300
26	12900	4030	3080	3130	3890	8900	9460	7150	13700	14600	20500	20100
27	12800	11900	3070	3100	3960	10700	11000	4610	13600	16900	20600	15800
28	4150	12400	3090	3090	3950	8500	13800	7960	13700	16900	20700	20100
29	4060	---	3140	3060	3890	13200	11800	11200	13600	16900	20700	20200
30	12700	---	3160	3050	3880	13400	12000	11100	13600	16600	20900	20200
31	12700	---	3330	---	5060	---	11400	9780	---	17500	---	20100
TOTAL	335640	257430	126930	93130	108880	234820	383450	286480	312100	381950	569200	605660
MEAN	10830	9194	4095	3104	3512	7827	12370	9241	10400	12320	18970	19540
MAX	14800	12900	12600	3160	5060	13400	18700	14600	13700	17500	20900	21600
MIN	4000	3950	3070	3040	3020	3880	3790	3770	3750	7690	14000	6060
CAL YR 1978 TOTAL	3695670		MEAN 10130		MAX 21600		MIN 3020					

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUHIC FT./SEC., EST. FROM RATING CURVES)			
			SLUITICES	SPILLWAYS	TOTAL	PENSTOCK
5/18/72	800	2252.0	25197.12	0.00	25197.12	0
5/19/72	800	2255.6	23936.35	0.00	23936.35	0
5/19/72	1000	2255.9	26341.02	0.00	26341.02	0
5/19/72	1520	2256.8	22954.90	0.00	22954.90	0
5/20/72	1400	2260.2	23738.55	0.00	23738.55	0
5/21/72	1600	2264.2	24628.54	0.00	24628.55	0
5/22/72	1300	2267.3	24921.30	0.00	24921.30	0
5/23/72	1330	2271.1	23170.57	0.00	23170.57	0
5/24/72	1300	2274.6	22808.16	0.00	22808.16	0
5/25/72	1510	2278.6	22863.36	0.00	22863.37	0
5/26/72	1600	2282.4	22842.58	0.00	22842.58	0
5/27/72	1400	2285.7	22095.72	0.00	22095.71	0
5/28/72	1400	2289.4	22186.58	0.00	22186.58	0
5/29/72	1400	2293.0	22239.85	0.00	22239.85	0
5/30/72	1510	2296.8	22714.54	0.00	22714.54	0
5/30/72	1615	2297.0	22739.25	0.00	22739.25	0
5/31/72	800	2300.5	22007.77	0.00	22007.77	0
6/ 1/72	1545	2309.3	23310.99	0.00	23311.00	0
6/ 1/72	1615	2309.4	23322.14	0.00	23322.14	0
6/ 2/72	800	2313.8	22614.41	0.00	22614.42	0
6/ 2/72	1430	2315.6	24002.70	0.00	24002.69	0
6/ 2/72	1600	2316.0	24045.94	0.00	24045.94	0
6/ 3/72	800	2320.5	22862.46	0.00	22862.46	0
6/ 3/72	1430	2322.7	22663.25	0.00	22663.24	0
6/ 3/72	1500	2322.8	24769.55	0.00	24769.56	0
6/ 3/72	1600	2323.1	24800.99	0.00	24800.99	0
6/ 3/72	2300	2325.0	27252.09	0.00	27252.10	0
6/ 4/72	800	2326.9	23714.22	0.00	23714.22	0
6/ 4/72	1300	2328.3	23849.27	0.00	23849.27	0
6/ 4/72	1400	2328.6	25370.45	0.00	25370.46	0
6/ 4/72	1500	2328.9	25401.14	0.00	25401.15	0
6/ 5/72	800	2332.4	24142.40	0.00	24142.40	0
6/ 5/72	1200	2333.2	26335.94	0.00	26335.94	0
6/ 5/72	1440	2333.7	26387.18	0.00	26387.17	0
6/ 6/72	800	2337.2	24398.56	0.00	24398.56	0
6/ 6/72	945	2337.5	26773.31	0.00	26773.31	0
6/ 6/72	1145	2337.9	26813.64	0.00	26813.64	0
6/ 6/72	1500	2338.5	27513.15	0.00	27513.14	0
6/ 6/72	1600	2338.7	27533.74	0.00	27533.74	0
6/ 7/72	800	2341.6	25650.08	0.00	25650.09	0
6/ 7/72	1500	2342.8	27952.63	0.00	27952.62	0
6/ 7/72	1615	2343.0	27972.90	0.00	27972.89	0
6/ 8/72	800	2345.6	26236.37	0.00	26236.38	0
6/ 8/72	1430	2346.8	28355.32	0.00	28355.32	0
6/ 8/72	1615	2347.2	28395.28	0.00	28395.28	0
6/ 9/72	800	2350.2	26775.19	0.00	26775.19	0
6/ 9/72	1430	2351.1	28781.95	0.00	28781.94	0
6/ 9/72	1600	2351.4	28811.47	0.00	28811.47	0
6/10/72	800	2353.7	27084.26	0.00	27084.26	0
6/10/72	1430	2354.8	29144.03	0.00	29144.03	0
6/10/72	1600	2355.1	29173.19	0.00	29173.19	0
6/11/72	800	2357.8	27260.53	0.00	27260.52	0
6/11/72	1430	2359.0	29549.68	0.00	29549.68	0
6/11/72	1600	2359.2	29568.87	0.00	29568.86	0
6/12/72	800	2362.1	28000.55	0.00	28000.55	0
6/12/72	1155	2363.0	30959.39	0.00	30959.39	0
6/12/72	1300	2363.3	30988.79	0.00	30988.80	0
6/12/72	1450	2363.7	31724.02	0.00	31724.03	0
6/12/72	1600	2363.9	31744.06	0.00	31744.05	0
6/13/72	800	2366.1	30148.98	0.00	30148.98	0
6/13/72	1200	2366.6	32722.92	0.00	32722.92	0
6/13/72	1330	2366.8	32743.23	0.00	32743.22	0
6/14/72	800	2369.3	31285.35	0.00	31285.35	0
6/14/72	1500	2369.8	33770.48	0.00	33770.48	0
6/14/72	1620	2369.9	33780.76	0.00	33780.77	0
6/15/72	800	2371.1	32106.53	0.00	32106.54	0
6/15/72	1445	2371.4	33443.93	0.00	33443.92	0
6/15/72	1615	2371.5	33454.01	0.00	33454.00	0
6/16/72	800	2372.2	31454.16	0.00	31454.16	0
6/16/72	1500	2372.5	33316.59	0.00	33316.58	0
6/16/72	1600	2372.5	33316.59	0.00	33316.58	0
6/17/72	800	2373.2	30948.21	0.00	30948.21	0
6/17/72	1500	2373.7	33436.03	0.00	33436.03	0
6/17/72	1700	2373.8	33445.97	0.00	33445.97	0
6/18/72	800	2374.6	31393.86	0.00	31393.85	0
6/18/72	1500	2375.3	33594.65	0.00	33594.65	0
6/18/72	1630	2375.4	33604.53	0.00	33604.53	0
6/19/72	800	2376.2	31672.33	0.00	31672.32	0
6/19/72	1450	2376.5	33346.15	0.00	33346.15	0
6/19/72	1615	2376.6	33355.89	0.00	33355.90	0
6/20/72	800	2377.3	31776.07	0.00	31776.07	0
6/20/72	1500	2377.5	33443.45	0.00	33443.45	0
6/20/72	1620	2377.5	33443.45	0.00	33443.45	0
6/21/72	800	2378.0	32021.93	0.00	32021.93	0
6/21/72	1430	2378.2	32779.26	0.00	32779.26	0
6/21/72	1600	2378.2	32779.26	0.00	32779.26	0
6/22/72	800	2378.7	31212.14	0.00	31212.14	0
6/22/72	1445	2378.9	32845.52	0.00	32845.52	0
6/22/72	1615	2378.9	32845.52	0.00	32845.52	0
6/23/72	800	2379.3	21832.62	0.00	21832.62	0
6/24/72	800	2379.9	31526.05	0.00	31526.06	0
6/24/72	1500	2380.1	32958.80	0.00	32958.81	0
6/24/72	1730	2380.1	32958.80	0.00	32958.81	0
6/25/72	800	2380.5	31085.03	0.00	31085.03	0
6/25/72	1500	2380.6	32276.01	0.00	32276.00	0
6/25/72	1730	2380.7	32285.21	0.00	32285.20	0
6/26/72	800	2381.0	30737.71	0.00	30737.71	0
6/26/72	1530	2381.2	32331.14	0.00	32331.13	0
6/26/72	1615	2381.2	32331.14	0.00	32331.13	0
6/27/72	800	2381.6	30778.25	0.00	30778.24	0

TABLE 10. LIRPY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
6/27/72	1255	2381.8	27808.89	0.00	27808.88	0
6/27/72	1510	2381.9	27816.71	0.00	27816.71	0
6/28/72	800	2382.6	26150.95	0.00	26150.94	0
6/28/72	1505	2382.8	27887.07	0.00	27887.06	0
6/28/72	1615	2382.8	27887.07	0.00	27887.06	0
6/29/72	800	2383.2	25897.21	0.00	25897.20	0
6/29/72	1500	2383.5	27262.53	0.00	27262.52	0
6/29/72	1610	2383.5	27262.53	0.00	27262.52	0
6/30/72	800	2384.2	25268.13	0.00	25268.13	0
6/30/72	1500	2384.4	27330.80	0.00	27330.81	0
7/ 1/72	1500	2385.1	27383.79	0.00	27383.80	0
7/ 2/72	1500	2385.8	26760.77	0.00	26760.77	0
7/ 3/72	1500	2386.5	26812.21	0.00	26812.22	0
7/ 4/72	800	2387.0	24468.76	0.00	24468.77	0
7/ 4/72	1500	2387.1	26856.24	0.00	26856.24	0
7/ 4/72	1630	2387.1	26856.24	0.00	26856.24	0
7/ 5/72	800	2387.2	25126.35	0.00	25126.34	0
7/ 5/72	1450	2387.4	20905.81	0.00	20905.81	0
7/ 5/72	1550	2387.4	15793.63	0.00	15793.63	0
7/ 6/72	800	2387.9	14919.62	0.00	14919.62	0
7/ 6/72	1440	2388.3	11307.12	0.00	11307.11	0
7/ 6/72	1615	2388.3	11307.12	0.00	11307.11	0
7/ 7/72	800	2389.2	10198.95	0.00	10198.95	0
7/ 7/72	1445	2389.7	7260.52	0.00	7260.51	0
7/ 7/72	1540	2389.8	7262.39	0.00	7262.40	0
7/ 7/72	1505	2389.8	6043.24	0.00	6043.24	0
7/ 7/72	1645	2389.9	3334.26	0.00	3334.27	0
7/ 7/72	1745	2390.0	3335.12	0.00	3335.13	0
7/ 8/72	800	2391.1	2260.68	0.00	2260.69	0
7/ 9/72	800	2393.2	2923.90	0.00	2923.90	0
7/10/72	800	2395.2	3236.25	0.00	3236.24	0
7/10/72	1505	2395.7	3383.84	0.00	3383.83	0
7/10/72	1600	2395.8	3384.68	0.00	3384.68	0
7/11/72	800	2396.9	2992.76	0.00	2992.75	0
7/11/72	1540	2397.4	3398.22	0.00	3398.22	0
7/11/72	1610	2397.4	3398.22	0.00	3398.22	0
7/12/72	800	2398.4	2603.71	0.00	2603.71	0
7/12/72	1455	2398.8	3410.02	0.00	3410.02	0
7/12/72	1615	2398.8	3410.02	0.00	3410.02	0
7/13/72	800	2399.7	2539.89	0.00	2539.90	0
7/13/72	1315	2400.0	4170.87	0.00	4170.88	0
7/13/72	1415	2400.1	6687.54	0.00	6687.54	0
7/13/72	1515	2400.2	10601.70	0.00	10601.70	0
7/13/72	1615	2400.2	10601.70	0.00	10601.70	0
7/14/72	800	2401.2	9594.61	0.00	9594.61	0
7/14/72	1345	2401.3	12959.04	0.00	12959.04	0
7/14/72	1405	2401.4	16801.08	0.00	16801.08	0
7/14/72	1545	2401.4	21105.05	0.00	21105.06	0
7/14/72	1645	2401.4	26817.94	0.00	26817.94	0
7/14/72	1705	2401.4	26817.94	0.00	26817.94	0
7/15/72	800	2401.7	25291.41	0.00	25291.40	0
7/16/72	800	2402.3	23527.04	0.00	23527.04	0
7/17/72	800	2402.8	22338.38	0.00	22338.37	0
7/17/72	1545	2402.9	20329.56	0.00	20329.55	0
7/17/72	1620	2402.9	20329.56	0.00	20329.55	0
7/18/72	800	2403.1	19592.36	0.00	19592.35	0
7/18/72	1500	2403.4	10472.88	0.00	10472.87	0
7/18/72	1610	2403.4	10472.88	0.00	10472.87	0
7/19/72	800	2404.1	9578.72	0.00	9578.72	0
7/19/72	1000	2404.1	16482.45	0.00	16482.46	0
7/19/72	1100	2404.1	21900.60	0.00	21900.59	0
7/19/72	1200	2404.1	33183.66	0.00	33183.66	0
7/20/72	1415	2404.2	30318.04	0.00	30318.05	0
7/20/72	1540	2404.2	25676.30	0.00	25676.30	0
7/20/72	1610	2404.2	25676.30	0.00	25676.30	0
7/21/72	800	2404.1	24545.80	0.00	24545.81	0
7/21/72	1500	2404.1	21103.08	0.00	21103.08	0
7/21/72	1600	2404.1	21103.08	0.00	21103.08	0
7/22/72	800	2404.1	19942.77	0.00	19942.77	0
7/23/72	800	2404.2	19716.30	0.00	19716.30	0
7/24/72	800	2404.4	18485.20	0.00	18485.21	0
7/24/72	1345	2404.5	18323.80	0.00	18323.79	0
7/24/72	1500	2404.5	22068.32	0.00	22068.32	0
7/24/72	1600	2404.5	26328.69	0.00	26328.70	0
7/24/72	1640	2404.5	26328.69	0.00	26328.70	0
7/25/72	800	2404.3	24748.61	0.00	24748.60	0
7/25/72	1330	2404.3	24552.58	0.00	24552.58	0
7/25/72	1615	2404.3	24552.58	0.00	24552.58	0
7/26/72	800	2404.2	23066.80	0.00	23066.80	0
7/26/72	1330	2404.2	22855.92	0.00	22855.92	0
7/27/72	800	2404.2	21919.21	0.00	21919.21	0
7/27/72	1330	2404.3	21569.87	0.00	21569.87	0
7/28/72	800	2404.3	20568.67	0.00	20568.67	0
7/28/72	1030	2404.3	25418.75	0.00	25418.74	0
7/28/72	1130	2404.3	30603.65	0.00	30603.65	0
7/28/72	1235	2404.3	32819.73	0.00	32819.73	0
7/28/72	1400	2404.3	32819.73	0.00	32819.73	0
7/28/72	1500	2404.3	32819.73	0.00	32819.73	0
7/29/72	800	2403.8	29752.02	0.00	29752.03	0
7/30/72	800	2403.4	29556.28	0.00	29556.26	0
7/31/72	800	2402.8	29538.79	0.00	29538.78	0
7/31/72	1030	2402.7	32687.85	0.00	32687.85	0
7/31/72	1330	2402.6	32679.60	0.00	32679.59	0
8/ 1/72	800	2402.1	29608.27	0.00	29608.27	0
8/ 1/72	1600	2402.0	33157.14	0.00	33157.13	0
8/ 2/72	800	2401.8	30458.74	0.00	30458.74	0
8/ 2/72	1405	2401.7	33929.80	0.00	33929.80	0
8/ 2/72	1610	2401.7	33929.80	0.00	33929.80	0
8/ 3/72	800	2401.1	31225.79	0.00	31225.78	0
8/ 3/72	1030	2400.9	33860.79	0.00	33860.79	0



TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
8/ 3/72	1530	2400.9	33860.79	0.00	33860.79	0
8/ 4/72	800	2400.3	31014.96	0.00	31014.97	0
8/ 4/72	1300	2400.2	25533.46	0.00	25533.45	0
8/ 4/72	1400	2400.2	21617.42	0.00	21617.41	0
8/ 4/72	1500	2400.2	21617.42	0.00	21617.41	0
8/ 5/72	800	2400.0	20055.22	0.00	20055.22	0
8/ 5/72	1400	2400.0	17669.90	0.00	17669.90	0
8/ 5/72	1500	2400.0	17669.90	0.00	17669.90	0
8/ 6/72	800	2400.0	16386.85	0.00	16386.84	0
8/ 6/72	1400	2400.0	16460.03	0.00	16460.03	0
8/ 7/72	800	2400.0	14981.58	0.00	14981.58	0
8/ 7/72	1445	2400.0	16460.03	0.00	16460.03	0
8/ 8/72	800	2400.1	15112.92	0.00	15112.92	0
8/ 8/72	1340	2400.1	21263.47	0.00	21263.47	0
8/ 8/72	1600	2400.1	21263.47	0.00	21263.47	0
8/ 9/72	800	2400.0	19446.85	0.00	19446.85	0
8/ 9/72	1500	2400.0	20099.31	0.00	20099.31	0
8/10/72	800	2399.9	18348.74	0.00	18348.74	0
8/10/72	1500	2399.9	16668.34	0.00	16668.34	0
8/10/72	1610	2399.9	16668.34	0.00	16668.34	0
8/11/72	800	2399.9	15310.92	0.00	15310.92	0
8/11/72	1515	2399.9	15602.35	0.00	15602.36	0
8/11/72	1610	2399.9	15034.47	0.00	15034.48	0
8/12/72	800	2399.9	14326.83	0.00	14326.83	0
8/12/72	1400	2399.9	15247.99	0.00	15247.99	0
8/13/72	800	2400.0	14047.33	0.00	14047.33	0
8/14/72	800	2400.0	13326.76	0.00	13326.76	0
8/14/72	1515	2400.1	13062.97	0.00	13062.98	0
8/14/72	1600	2400.1	13062.97	0.00	13062.98	0
8/15/72	800	2400.2	11479.65	0.00	11479.66	0
8/15/72	1530	2400.2	15969.58	0.00	15969.59	0
8/15/72	1600	2400.2	15969.58	0.00	15969.59	0
8/16/72	800	2400.2	14889.81	0.00	14889.81	0
8/16/72	1505	2400.1	18315.73	0.00	18315.72	0
8/16/72	1600	2400.1	18315.73	0.00	18315.72	0
8/17/72	800	2399.9	17079.69	0.00	17079.69	0
8/17/72	1515	2399.8	15740.72	0.00	15740.72	0
8/17/72	1600	2399.8	15740.72	0.00	15740.72	0
8/18/72	800	2399.7	14765.05	0.00	14765.05	0
8/18/72	900	2399.7	11430.25	0.00	11430.24	0
8/18/72	955	2399.7	8909.50	0.00	8909.50	0
8/18/72	1055	2399.7	6681.33	0.00	6681.33	0
8/18/72	1245	2399.8	4673.60	0.00	4673.60	0
8/18/72	1410	2399.8	4673.60	0.00	4673.60	0
8/18/72	1600	2399.8	4673.60	0.00	4673.60	0
8/19/72	800	2400.2	3320.25	0.00	3320.25	0
8/19/72	1400	2400.3	4692.38	0.00	4692.37	0
8/19/72	1515	2400.3	4692.38	0.00	4692.37	0
8/20/72	800	2400.6	4417.33	0.00	4417.33	0
8/20/72	1400	2400.7	4697.00	0.00	4696.99	0
8/20/72	1600	2400.7	4697.00	0.00	4696.99	0
8/21/72	800	2401.0	4421.68	0.00	4421.68	0
8/21/72	1400	2401.1	4701.62	0.00	4701.61	0
8/22/72	800	2401.4	4419.04	0.00	4419.04	0
8/22/72	1535	2401.5	4706.22	0.00	4706.22	0
8/22/72	1630	2401.5	4706.22	0.00	4706.22	0
8/23/72	800	2401.7	4499.04	0.00	4499.05	0
8/23/72	1510	2401.8	4430.34	0.00	4430.34	0
8/23/72	1600	2401.9	4431.42	0.00	4431.42	0
8/24/72	800	2402.2	4218.16	0.00	4218.16	0
8/24/72	1500	2402.3	4435.76	0.00	4435.75	0
8/24/72	1600	2402.3	4435.76	0.00	4435.75	0
8/25/72	800	2402.6	4236.25	0.00	4236.25	0
8/25/72	1515	2402.7	4440.08	0.00	4440.07	0
8/25/72	1600	2402.7	4440.08	0.00	4440.07	0
8/26/72	800	2402.9	4190.39	0.00	4190.39	0
8/26/72	1500	2403.1	4444.40	0.00	4444.39	0
8/27/72	800	2403.3	4124.48	0.00	4124.48	0
8/27/72	1500	2403.4	4447.64	0.00	4447.63	0
8/28/72	800	2403.6	4197.51	0.00	4197.51	0
8/28/72	1500	2403.7	5857.00	0.00	5856.99	0
8/28/72	1600	2403.7	5776.00	0.00	5776.00	0
8/29/72	800	2403.8	5633.70	0.00	5633.70	0
8/29/72	1500	2403.9	5859.84	0.00	5859.84	0
8/29/72	1600	2403.9	5859.84	0.00	5859.84	0
8/30/72	800	2404.0	4673.33	0.00	4673.33	0
8/30/72	1500	2404.1	7277.32	0.00	7277.33	0
8/30/72	1600	2404.1	7277.32	0.00	7277.33	0
8/31/72	800	2404.2	6098.15	0.00	6098.15	0
8/31/72	1510	2404.2	9271.96	0.00	9271.96	0
8/31/72	1625	2404.2	9271.96	0.00	9271.96	0
9/ 1/72	800	2404.3	8205.83	0.00	8205.83	0
9/ 1/72	1600	2404.3	8658.32	0.00	8658.32	0
9/ 1/72	1700	2404.3	8658.32	0.00	8658.32	0
9/ 2/72	800	2404.4	7517.37	0.00	7517.37	0
9/ 2/72	1400	2404.4	8660.41	0.00	8660.42	0
9/ 3/72	800	2404.5	7533.27	0.00	7533.26	0
9/ 3/72	1400	2404.5	8662.51	0.00	8662.52	0
9/ 4/72	800	2404.5	6037.23	0.00	6037.23	0
9/ 5/72	800	2404.4	5348.10	0.00	5348.10	0
9/ 5/72	1500	2404.4	8660.41	0.00	8660.42	0
9/ 5/72	1600	2404.4	8660.41	0.00	8660.42	0
9/ 6/72	800	2404.5	7484.00	0.00	7483.99	0
9/ 6/72	1500	2404.5	8662.51	0.00	8662.52	0
9/ 6/72	1610	2404.5	8662.51	0.00	8662.52	0
9/ 7/72	800	2404.5	8662.51	0.00	8662.52	0
9/ 7/72	1530	2404.5	8662.51	0.00	8662.52	0
9/ 7/72	1615	2404.5	8662.51	0.00	8662.52	0
9/ 8/72	800	2404.5	7631.86	0.00	7631.86	0
9/ 8/72	1545	2404.5	9722.86	0.00	9722.85	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
9/ 8/72	1600	2404.5	9722.86	0.00	9722.85	0
9/ 9/72	800	2404.5	8675.46	0.00	8675.45	0
9/ 9/72	1500	2404.5	9722.86	0.00	9722.85	0
9/ 9/72	1615	2404.5	9722.86	0.00	9722.85	0
9/10/72	800	2404.5	8668.40	0.00	8668.39	0
9/10/72	1510	2404.5	9722.86	0.00	9722.85	0
9/11/72	800	2404.5	8640.16	0.00	8640.16	0
9/11/72	1505	2404.5	9722.86	0.00	9722.85	0
9/11/72	1600	2404.5	9722.86	0.00	9722.85	0
9/12/72	800	2404.5	8731.95	0.00	8731.94	0
9/12/72	1000	2404.4	12345.61	0.00	12345.61	0
9/12/72	1100	2404.4	16279.44	0.00	16279.45	0
9/12/72	1200	2404.4	20248.40	0.00	20248.39	0
9/12/72	1400	2404.3	20243.41	0.00	20243.40	0
9/13/72	800	2403.7	18926.76	0.00	18926.76	0
9/13/72	900	2403.6	21873.56	0.00	21873.56	0
9/13/72	1000	2403.6	24712.52	0.00	24712.51	0
9/13/72	1100	2403.5	28604.95	0.00	28604.95	0
9/13/72	1300	2403.4	33274.68	0.00	33274.68	0
9/13/72	1500	2403.3	33266.30	0.00	33266.30	0
9/14/72	800	2402.4	30863.90	0.00	30863.89	0
9/14/72	1500	2402.0	32401.19	0.00	32401.18	0
9/14/72	1600	2401.9	32392.97	0.00	32392.96	0
9/15/72	800	2401.0	30038.36	0.00	30038.36	0
9/15/72	1400	2400.6	32285.97	0.00	32285.98	0
9/15/72	1600	2400.5	32277.72	0.00	32277.73	0
9/16/72	800	2399.5	29877.22	0.00	29877.22	0
9/16/72	1400	2399.2	32170.35	0.00	32170.36	0
9/16/72	1600	2399.0	32153.81	0.00	32153.81	0
9/17/72	800	2398.1	27428.83	0.00	27428.83	0
9/17/72	1400	2397.8	32054.32	0.00	32054.33	0
9/18/72	800	2396.8	29869.74	0.00	29869.74	0
9/18/72	1400	2396.4	32682.67	0.00	32682.68	0
9/18/72	1600	2396.3	32674.13	0.00	32674.14	0
9/19/72	800	2395.3	30306.06	0.00	30306.07	0
9/19/72	1400	2394.9	32928.26	0.00	32928.25	0
9/19/72	1600	2394.8	32919.58	0.00	32919.58	0
9/20/72	800	2393.7	30886.77	0.00	30886.77	0
9/20/72	1400	2393.3	32789.26	0.00	32789.26	0
9/20/72	1600	2393.2	32780.55	0.00	32780.55	0
9/21/72	800	2392.1	30612.30	0.00	30612.30	0
9/21/72	1400	2391.7	32649.67	0.00	32649.67	0
9/21/72	1600	2391.6	32640.93	0.00	32640.92	0
9/22/72	800	2390.5	29364.77	0.00	29364.77	0
9/22/72	930	2390.5	25065.33	0.00	25065.32	0
9/22/72	1030	2390.5	21570.87	0.00	21570.87	0
9/22/72	1130	2390.5	18285.68	0.00	18285.68	0
9/22/72	1230	2390.4	15157.84	0.00	15157.84	0
9/22/72	1400	2390.4	11849.57	0.00	11849.57	0
9/22/72	1500	2390.4	8770.52	0.00	8770.53	0
9/22/72	1600	2390.4	8770.52	0.00	8770.53	0
9/23/72	800	2390.2	7845.98	0.00	7845.99	0
9/23/72	1320	2390.1	11840.29	0.00	11840.28	0
9/23/72	1420	2390.1	15145.88	0.00	15145.88	0
9/23/72	1510	2390.1	18475.68	0.00	18475.68	0
9/24/72	800	2389.7	18456.10	0.00	18456.09	0
9/24/72	1030	2389.6	21519.21	0.00	21519.22	0
9/24/72	1130	2389.6	25004.94	0.00	25004.94	0
9/24/72	1330	2389.5	32456.76	0.00	32456.75	0
9/24/72	1400	2389.5	32456.76	0.00	32456.75	0
9/25/72	800	2388.2	30505.61	0.00	30505.62	0
9/25/72	1400	2387.9	29297.58	0.00	29297.58	0
9/25/72	1600	2387.7	29281.62	0.00	29281.61	0
9/26/72	800	2386.8	29380.57	0.00	29380.56	0
9/26/72	1400	2386.3	31809.09	0.00	31809.08	0
9/26/72	1600	2386.2	31800.31	0.00	31800.31	0
9/27/72	800	2384.9	30626.60	0.00	30626.60	0
9/27/72	1400	2384.6	30225.79	0.00	30225.79	0
9/27/72	1600	2384.5	30217.39	0.00	30217.39	0
9/28/72	800	2383.7	29130.18	0.00	29130.19	0
9/28/72	1400	2383.3	30470.71	0.00	30470.71	0
9/28/72	1600	2383.1	30453.64	0.00	30453.64	0
9/29/72	800	2382.0	29490.68	0.00	29490.67	0
9/29/72	1400	2381.6	30325.34	0.00	30325.34	0
9/29/72	1600	2381.4	30308.18	0.00	30308.19	0
9/30/72	800	2380.3	29312.89	0.00	29312.89	0
9/30/72	1400	2379.9	33420.59	0.00	33420.59	0
10/ 1/72	800	2378.5	31335.70	0.00	31335.70	0
10/ 1/72	1400	2378.1	33207.84	0.00	33207.85	0
10/ 2/72	800	2376.9	31261.82	0.00	31261.82	0
10/ 2/72	1400	2376.4	33449.50	0.00	33449.49	0
10/ 2/72	1600	2376.3	33439.71	0.00	33439.71	0
10/ 3/72	800	2375.0	31883.70	0.00	31883.70	0
10/ 3/72	1400	2374.6	34005.73	0.00	34005.72	0
10/ 3/72	1600	2374.4	33985.60	0.00	33985.60	0
10/ 4/72	800	2373.2	32285.41	0.00	32285.42	0
10/ 4/72	1400	2372.7	34549.82	0.00	34549.82	0
10/ 4/72	1600	2372.5	34529.12	0.00	34529.12	0
10/ 5/72	800	2371.2	32942.97	0.00	32942.95	0
10/ 5/72	1400	2370.7	35080.66	0.00	35080.67	0
10/ 5/72	1600	2370.5	35059.38	0.00	35059.38	0
10/ 6/72	800	2369.1	33515.09	0.00	33515.09	0
10/ 6/72	1400	2368.6	34123.12	0.00	34123.11	0
10/ 6/72	1600	2368.5	34112.65	0.00	34112.64	0
10/ 7/72	800	2367.2	32819.52	0.00	32819.52	0
10/ 7/72	1400	2366.7	33561.74	0.00	33561.73	0
10/ 8/72	800	2365.0	37563.73	0.00	37563.73	0
10/ 8/72	1400	2364.6	32984.66	0.00	32984.66	0
10/ 9/72	800	2363.5	30741.42	0.00	30741.41	0
10/ 9/72	1400	2363.1	32474.67	0.00	32474.67	0

TABLE 10. LIRRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLICES	SPILLWAYS	TOTAL	PENSTOCK
10/10/72	800	2361.8	30630.84	0.00	30630.85	0
10/10/72	1400	2361.4	33360.57	0.00	33360.58	0
10/10/72	1600	2361.2	33339.15	0.00	33339.15	0
10/11/72	800	2360.0	31670.99	0.00	31670.99	0
10/11/72	1330	2359.5	33495.37	0.00	33495.38	0
10/11/72	1420	2359.5	33495.37	0.00	33495.38	0
10/11/72	1430	2359.5	38811.24	0.00	38811.25	0
10/11/72	1600	2359.3	38785.70	0.00	38785.69	0
10/12/72	800	2358.0	34076.55	0.00	34076.56	0
10/12/72	1400	2357.5	39518.79	0.00	39518.78	0
10/12/72	1600	2357.3	39492.39	0.00	39492.38	0
10/13/72	800	2355.9	35529.00	0.00	35529.00	0
10/13/72	1400	2355.4	34837.40	0.00	34837.39	0
10/13/72	1600	2355.2	34814.05	0.00	34814.05	0
10/14/72	800	2353.7	33205.09	0.00	33205.09	0
10/14/72	1400	2353.2	34579.77	0.00	34579.77	0
10/15/72	800	2351.5	30833.55	0.00	30833.55	0
10/15/72	1400	2351.1	34332.05	0.00	34332.05	0
10/16/72	800	2349.8	29519.10	0.00	29519.11	0
10/16/72	830	2349.8	34177.80	0.00	34177.80	0
10/16/72	1030	2349.6	34154.01	0.00	34154.01	0
10/17/72	800	2347.6	32091.00	0.00	32091.00	0
10/17/72	1400	2347.1	32131.70	0.00	32131.70	0
10/17/72	1600	2346.9	32108.97	0.00	32108.96	0
10/18/72	800	2345.5	30713.80	0.00	30713.80	0
10/18/72	1600	2344.8	32207.70	0.00	32207.71	0
10/19/72	800	2343.5	31047.22	0.00	31047.21	0
10/19/72	1400	2342.9	32663.76	0.00	32663.76	0
10/19/72	1600	2342.7	32639.90	0.00	32639.90	0
10/20/72	800	2341.0	31393.81	0.00	31393.80	0
10/20/72	1400	2340.5	31372.57	0.00	31372.57	0
10/20/72	1600	2340.3	31349.29	0.00	31349.28	0
10/21/72	800	2339.0	30112.12	0.00	30112.11	0
10/21/72	1400	2338.5	31138.87	0.00	31138.88	0
10/22/72	800	2337.0	29809.32	0.00	29809.31	0
10/22/72	1400	2336.4	30891.60	0.00	30891.60	0
10/23/72	800	2334.7	29794.11	0.00	29794.12	0
10/23/72	1400	2334.3	30642.33	0.00	30642.33	0
10/24/72	800	2332.9	29554.43	0.00	29554.43	0
10/24/72	1400	2332.4	30942.17	0.00	30942.18	0
10/24/72	1600	2332.2	30917.72	0.00	30917.72	0
10/25/72	800	2330.8	29802.13	0.00	29802.13	0
10/25/72	1400	2330.3	30684.36	0.00	30684.36	0
10/25/72	1600	2330.1	30659.69	0.00	30659.69	0
10/26/72	800	2328.6	29559.98	0.00	29559.99	0
10/26/72	1400	2328.1	30411.92	0.00	30411.92	0
10/26/72	1600	2327.9	30387.03	0.00	30387.03	0
10/27/72	800	2326.5	29275.32	0.00	29275.32	0
10/27/72	1400	2326.0	30149.56	0.00	30149.57	0
10/27/72	1600	2325.8	30124.46	0.00	30124.46	0
10/28/72	800	2324.3	29059.12	0.00	29059.12	0
10/28/72	1400	2323.7	29859.59	0.00	29859.59	0
10/29/72	800	2321.8	28680.12	0.00	28680.12	0
10/29/72	1400	2321.3	29553.97	0.00	29553.96	0
10/30/72	800	2319.8	28391.96	0.00	28391.96	0
10/30/72	1400	2319.2	28675.22	0.00	28675.21	0
10/30/72	1600	2319.0	28649.93	0.00	28649.93	0
10/31/72	800	2317.5	27776.87	0.00	27776.87	0
10/31/72	1400	2317.0	27502.87	0.00	27502.86	0
10/31/72	1600	2316.8	27478.19	0.00	27478.18	0
11/ 1/72	800	2315.4	26541.77	0.00	26541.78	0
11/ 1/72	1300	2315.0	26679.41	0.00	26679.41	0
11/ 1/72	1600	2314.7	26642.89	0.00	26642.88	0
11/ 2/72	800	2313.3	25719.47	0.00	25719.46	0
11/ 2/72	1400	2312.8	25866.66	0.00	25866.65	0
11/ 2/72	1600	2312.7	25854.62	0.00	25854.63	0
11/ 3/72	800	2311.4	24719.45	0.00	24719.45	0
11/ 3/72	1400	2310.9	26356.97	0.00	26356.96	0
11/ 3/72	1600	2310.7	26331.97	0.00	26331.97	0
11/ 4/72	800	2309.3	25543.45	0.00	25543.45	0
11/ 4/72	1000	2309.1	28727.90	0.00	28727.89	0
11/ 4/72	1200	2308.9	28700.00	0.00	28700.00	0
11/ 5/72	800	2306.7	27045.43	0.00	27045.44	0
11/ 5/72	1000	2306.5	33081.76	0.00	33081.77	0
11/ 5/72	1200	2306.3	33048.20	0.00	33048.19	0
11/ 6/72	800	2304.0	28940.26	0.00	28940.25	0
11/ 6/72	1400	2303.3	37554.93	0.00	37554.94	0
11/ 6/72	1600	2303.0	37494.51	0.00	37494.51	0
11/ 7/72	800	2301.0	34299.40	0.00	34299.41	0
11/ 7/72	1400	2300.3	32024.71	0.00	32024.71	0
11/ 7/72	1600	2300.0	31972.67	0.00	31972.67	0
11/ 8/72	800	2298.0	28676.57	0.00	28676.57	0
11/ 8/72	1400	2297.3	31310.89	0.00	31310.88	0
11/ 8/72	1600	2297.0	31258.32	0.00	31258.32	0
11/ 9/72	800	2295.0	27897.29	0.00	27897.28	0
11/ 9/72	1430	2294.2	30209.91	0.00	30209.91	0
11/ 9/72	1600	2294.1	30192.42	0.00	30192.43	0
11/10/72	800	2292.2	26711.45	0.00	26711.45	0
11/10/72	1400	2291.5	30278.46	0.00	30278.47	0
11/10/72	1600	2291.2	30224.11	0.00	30224.11	0
11/11/72	800	2289.2	26987.11	0.00	26987.11	0
11/11/72	1000	2289.0	29822.44	0.00	29822.44	0
11/11/72	1200	2288.8	29785.65	0.00	29785.65	0
11/12/72	800	2286.6	26350.84	0.00	26350.84	0
11/12/72	1000	2286.4	29340.64	0.00	29340.64	0
11/12/72	1200	2286.1	29284.54	0.00	29284.54	0
11/13/72	800	2283.8	25904.19	0.00	25904.19	0
11/13/72	1400	2282.7	33150.75	0.00	33150.76	0
11/13/72	1600	2282.4	33082.29	0.00	33082.29	0
11/14/72	800	2279.5	25969.44	0.00	25969.45	0

TABLE 10. I IRRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
11/14/72	1400	2278.7	27367.00	0.00	27366.99	0
11/14/72	1600	2278.5	27328.37	0.00	27328.38	0
11/15/72	800	2276.4	24231.36	0.00	24231.36	0
11/15/72	1400	2275.7	26781.90	0.00	26781.90	0
11/15/72	1600	2275.4	26722.69	0.00	26722.68	0
11/16/72	800	2273.4	23660.99	0.00	23660.99	0
11/16/72	1400	2272.6	23788.55	0.00	23788.54	0
11/16/72	1600	2272.4	23752.67	0.00	23752.66	0
11/17/72	800	2270.3	22712.41	0.00	22712.41	0
11/17/72	1400	2269.6	22560.53	0.00	22560.53	0
11/18/72	800	2267.4	21435.92	0.00	21435.91	0
11/18/72	1400	2266.7	22039.84	0.00	22039.84	0
11/19/72	800	2264.6	20943.06	0.00	20943.06	0
11/19/72	1400	2263.9	21525.15	0.00	21525.15	0
11/20/72	800	2261.8	20479.80	0.00	20479.80	0
11/20/72	1400	2261.1	21417.74	0.00	21417.73	0
11/20/72	1600	2260.8	21359.15	0.00	21359.16	0
11/21/72	800	2258.8	20402.90	0.00	20402.89	0
11/21/72	1400	2258.1	20824.53	0.00	20824.54	0
11/21/72	1600	2257.9	20784.39	0.00	20784.39	0
11/22/72	800	2256.0	19841.53	0.00	19841.53	0
11/22/72	1400	2255.3	20652.35	0.00	20652.36	0
11/23/72	800	2253.0	19677.18	0.00	19677.18	0
11/23/72	1400	2252.2	19988.11	0.00	19988.11	0
11/24/72	800	2249.8	18919.74	0.00	18919.74	0
11/24/72	1400	2249.0	20945.52	0.00	20945.52	0
11/25/72	800	2246.5	18138.48	0.00	18138.48	0
11/25/72	900	2246.4	20549.60	0.00	20549.59	0
11/25/72	1100	2246.1	20469.37	0.00	20469.38	0
11/26/72	800	2243.3	18129.68	0.00	18129.68	0
11/26/72	900	2243.2	22402.44	0.00	22402.44	0
11/26/72	1100	2242.9	22301.01	0.00	22301.00	0
11/27/72	800	2240.1	17562.01	0.00	17562.01	0
11/27/72	1400	2239.3	18347.10	0.00	18347.10	0
11/27/72	1600	2239.1	18288.68	0.00	18288.68	0
11/28/72	800	2237.0	16238.38	0.00	16238.38	0
11/28/72	1400	2236.2	17717.74	0.00	17717.73	0
11/28/72	1600	2235.9	17158.19	0.00	17158.19	0
11/29/72	800	2233.8	15839.77	0.00	15839.77	0
11/29/72	1400	2233.1	15270.78	0.00	15270.79	0
11/29/72	1600	2232.8	15185.01	0.00	15185.01	0
11/30/72	800	2230.8	14209.35	0.00	14209.35	0
11/30/72	1015	2230.7	10223.71	0.00	10223.71	0
11/30/72	1145	2230.7	10223.71	0.00	10223.71	0
11/30/72	1600	2230.6	10106.25	0.00	10106.25	0
12/ 1/72	800	2230.1	9704.91	0.00	9704.91	0
12/ 1/72	1130	2229.9	3834.83	0.00	3834.83	0
12/ 1/72	1330	2229.9	3834.83	0.00	3834.83	0
12/ 1/72	1430	2229.8	4381.87	0.00	4381.88	0
12/ 1/72	1600	2229.8	4381.87	0.00	4381.88	0
12/ 2/72	800	2229.3	2507.34	0.00	2507.33	0
12/ 2/72	900	2229.3	4811.35	0.00	4811.36	0
12/ 2/72	1100	2229.3	4811.35	0.00	4811.36	0
12/ 3/72	800	2229.2	4551.65	0.00	4551.64	0
12/ 3/72	900	2229.2	4803.37	0.00	4803.36	0
12/ 3/72	1100	2229.1	4795.35	0.00	4795.36	0
12/ 4/72	800	2228.7	4608.27	0.00	4608.27	0
12/ 4/72	1400	2228.5	4289.12	0.00	4289.12	0
12/ 4/72	1600	2228.5	4289.12	0.00	4289.12	0
12/ 5/72	800	2228.1	4090.16	0.00	4090.15	0
12/ 5/72	1200	2228.0	2750.98	0.00	2750.97	0
12/ 5/72	1330	2228.0	2750.98	0.00	2750.97	0
12/ 5/72	1400	2228.0	2750.98	0.00	2750.97	0
12/ 5/72	1600	2228.0	2750.98	0.00	2750.97	0
12/ 6/72	800	2227.9	2680.30	0.00	2680.30	0
12/ 6/72	945	2227.9	2542.78	0.00	2542.78	0
12/ 6/72	1130	2227.9	2542.78	0.00	2542.78	0
12/ 6/72	1400	2227.9	2542.78	0.00	2542.78	0
12/ 7/72	800	2227.7	2595.12	0.00	2595.12	0
12/ 7/72	1400	2227.7	2525.58	0.00	2525.58	0
12/ 7/72	1600	2227.7	2525.58	0.00	2525.58	0
12/ 8/72	800	2227.7	2495.80	0.00	2495.80	0
12/ 8/72	1500	2227.7	2571.22	0.00	2571.22	0
12/ 8/72	1600	2227.7	2571.22	0.00	2571.22	0
12/ 9/72	800	2227.7	2537.01	0.00	2537.01	0
12/ 9/72	900	2227.7	2571.22	0.00	2571.22	0
12/ 9/72	1100	2227.7	2571.22	0.00	2571.22	0
12/10/72	800	2227.6	2536.62	0.00	2536.62	0
12/10/72	900	2227.6	2566.18	0.00	2566.18	0
12/11/72	800	2227.5	2538.46	0.00	2538.46	0
12/11/72	1400	2227.5	2561.14	0.00	2561.14	0
12/11/72	1600	2227.5	2561.14	0.00	2561.14	0
12/12/72	800	2227.5	2531.65	0.00	2531.65	0
12/12/72	1400	2227.5	2561.14	0.00	2561.14	0
12/12/72	1600	2227.5	2561.14	0.00	2561.14	0
12/13/72	800	2227.5	2497.51	0.00	2497.51	0
12/13/72	1400	2227.5	2561.14	0.00	2561.14	0
12/13/72	1600	2227.5	2561.14	0.00	2561.14	0
12/14/72	800	2227.5	2499.79	0.00	2499.79	0
12/14/72	900	2227.5	2606.32	0.00	2606.32	0
12/14/72	1230	2227.4	2601.15	0.00	2601.15	0
12/14/72	1500	2227.4	2601.15	0.00	2601.15	0
12/15/72	800	2227.0	2558.09	0.00	2558.09	0
12/15/72	1145	2226.9	2663.37	0.00	2663.37	0
12/15/72	1430	2226.9	2663.37	0.00	2663.37	0
12/16/72	800	2226.5	2621.84	0.00	2621.84	0
12/16/72	1400	2226.5	2641.39	0.00	2641.39	0
12/17/72	800	2226.5	2621.84	0.00	2621.84	0
12/17/72	1600	2226.5	2641.39	0.00	2641.39	0
12/18/72	800	2226.5	2624.02	0.00	2624.02	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CURIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUITES	SPILLWAYS	TOTAL	
12/19/72	800	2227.0	2629.13	0.00	2629.13	0
12/19/72	1400	2226.9	2663.37	0.00	2663.37	0
12/19/72	1600	2226.8	2657.89	0.00	2657.89	0
12/20/72	800	2226.5	2621.84	0.00	2621.84	0
12/20/72	1400	2226.5	2619.67	0.00	2619.67	0
12/20/72	1600	2226.5	2619.67	0.00	2619.67	0
12/21/72	800	2226.5	2600.06	0.00	2600.06	0
12/22/72	800	2226.5	2499.10	0.00	2499.10	0
12/22/72	1400	2226.7	2630.55	0.00	2630.55	0
12/23/72	800	2227.4	2612.38	0.00	2612.38	0
12/23/72	1400	2227.6	2679.00	0.00	2679.00	0
12/24/72	800	2228.2	2635.36	0.00	2635.36	0
12/24/72	1400	2228.5	2749.51	0.00	2749.51	0
12/25/72	800	2229.1	2781.13	0.00	2781.13	0
12/25/72	1400	2229.3	2791.59	0.00	2791.59	0
12/26/72	800	2230.0	2827.89	0.00	2827.89	0
12/26/72	1410	2230.2	2838.18	0.00	2838.18	0
12/26/72	1600	2230.2	2838.18	0.00	2838.18	0
12/27/72	800	2230.6	2827.28	0.00	2827.28	0
12/27/72	915	2230.7	2911.93	0.00	2911.93	0
12/27/72	1130	2230.7	2911.93	0.00	2911.93	0
12/27/72	1600	2230.9	2922.31	0.00	2922.31	0
12/28/72	800	2231.3	5856.66	0.00	5856.66	0
12/28/72	1400	2231.3	5885.94	0.00	5885.93	0
12/29/72	800	2231.2	5591.06	0.00	5591.06	0
12/29/72	1400	2231.2	5875.64	0.00	5875.64	0
12/30/72	800	2231.1	5694.42	0.00	5694.42	0
12/30/72	1400	2231.0	5854.98	0.00	5854.98	0
12/31/72	800	2230.9	5443.06	0.00	5443.06	0
12/31/72	1400	2230.9	5844.62	0.00	5844.63	0
1/ 1/73	800	2230.8	5630.31	0.00	5630.31	0
1/ 1/73	1400	2230.7	5823.86	0.00	5823.87	0
1/ 2/73	800	2230.6	5603.43	0.00	5603.43	0
1/ 2/73	1400	2230.4	5792.58	0.00	5792.58	0
1/ 2/73	1600	2230.3	5782.12	0.00	5782.12	0
1/ 3/73	800	2229.8	5568.44	0.00	5568.45	0
1/ 3/73	1400	2229.6	5708.32	0.00	5708.32	0
1/ 3/73	1600	2229.5	5697.70	0.00	5697.70	0
1/ 4/73	800	2229.0	5479.35	0.00	5479.36	0
1/ 4/73	1500	2228.8	5622.80	0.00	5622.80	0
1/ 4/73	1600	2228.8	5622.80	0.00	5622.80	0
1/ 5/73	800	2228.3	5450.19	0.00	5450.19	0
1/ 5/73	1400	2228.2	2456.95	0.00	2456.95	0
1/ 5/73	1600	2228.2	2456.95	0.00	2456.95	0
1/ 6/73	800	2228.0	2403.36	0.00	2403.36	0
1/ 6/73	1400	2228.0	2447.66	0.00	2447.66	0
1/ 7/73	800	2227.8	2398.89	0.00	2398.89	0
1/ 7/73	1400	2227.7	2433.65	0.00	2433.65	0
1/ 8/73	800	2227.5	2389.73	0.00	2389.73	0
1/ 8/73	1000	2227.5	2850.70	0.00	2850.70	0
1/ 8/73	1330	2227.5	2850.70	0.00	2850.70	0
1/ 9/73	800	2227.5	2833.17	0.00	2833.17	0
1/ 9/73	1115	2227.5	3137.75	0.00	3137.75	0
1/ 9/73	1600	2227.5	3137.75	0.00	3137.75	0
1/10/73	800	2227.5	3116.19	0.00	3116.19	0
1/10/73	920	2227.5	3319.11	0.00	3319.11	0
1/10/73	1115	2227.5	3319.11	0.00	3319.11	0
1/11/73	800	2227.3	3283.10	0.00	3283.10	0
1/11/73	1515	2227.2	2500.89	0.00	2500.89	0
1/11/73	1730	2227.2	2500.89	0.00	2500.89	0
1/12/73	800	2227.0	2484.21	0.00	2484.21	0
1/12/73	915	2227.0	2580.35	0.00	2580.35	0
1/12/73	1315	2227.0	2580.35	0.00	2580.35	0
1/13/73	800	2227.1	2563.24	0.00	2563.24	0
1/13/73	1400	2227.1	2563.24	0.00	2563.24	0
1/14/73	800	2227.2	2545.94	0.00	2545.94	0
1/14/73	1400	2227.2	2590.77	0.00	2590.77	0
1/15/73	800	2227.2	2527.95	0.00	2527.95	0
1/15/73	1530	2227.2	2590.77	0.00	2590.77	0
1/16/73	800	2227.3	2578.01	0.00	2578.01	0
1/16/73	1335	2227.3	2595.96	0.00	2595.96	0
1/16/73	1600	2227.4	2601.15	0.00	2601.15	0
1/17/73	800	2227.5	2588.27	0.00	2588.27	0
1/17/73	1410	2227.6	2611.48	0.00	2611.48	0
1/17/73	1600	2227.6	2611.48	0.00	2611.48	0
1/18/73	800	2227.9	2608.67	0.00	2608.67	0
1/18/73	1430	2228.0	2632.03	0.00	2632.03	0
1/18/73	1600	2228.0	2632.03	0.00	2632.03	0
1/19/73	800	2228.3	2628.91	0.00	2628.91	0
1/19/73	1130	2228.3	2647.33	0.00	2647.33	0
1/19/73	1600	2228.4	2652.42	0.00	2652.42	0
1/20/73	800	2228.5	2622.75	0.00	2622.75	0
1/20/73	1400	2228.5	2657.49	0.00	2657.49	0
1/21/73	800	2228.6	2639.35	0.00	2639.35	0
1/21/73	1400	2228.7	2667.60	0.00	2667.60	0
1/22/73	800	2228.8	2654.00	0.00	2654.00	0
1/22/73	1400	2229.0	2682.71	0.00	2682.71	0
1/22/73	1600	2229.1	2687.72	0.00	2687.72	0
1/23/73	800	2229.6	2712.66	0.00	2712.66	0
1/23/73	1315	2229.7	2812.39	0.00	2812.39	0
1/23/73	1600	2229.8	2817.57	0.00	2817.57	0
1/24/73	800	2230.3	2819.36	0.00	2819.36	0
1/24/73	945	2230.3	2914.85	0.00	2914.85	0
1/24/73	1145	2230.3	2914.85	0.00	2914.85	0
1/24/73	1600	2230.3	2914.85	0.00	2914.85	0
1/25/73	800	2230.4	2896.29	0.00	2896.29	0
1/26/73	800	2230.5	2875.16	0.00	2875.16	0
1/26/73	1345	2230.5	2925.42	0.00	2925.42	0
1/27/73	800	2230.5	2903.91	0.00	2903.91	0
1/27/73	1400	2230.5	2996.83	0.00	2996.83	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
1/28/73	800	2230.6	2976.08	0.00	2976.08	0
1/28/73	1400	2230.6	3002.27	0.00	3002.27	0
1/29/73	800	2230.6	2976.08	0.00	2976.08	0
1/29/73	1330	2230.6	3002.27	0.00	3002.27	0
1/29/73	1600	2230.6	3002.27	0.00	3002.27	0
1/30/73	800	2230.6	2983.23	0.00	2983.23	0
1/30/73	1420	2230.6	3002.27	0.00	3002.27	0
1/30/73	1600	2230.6	3002.27	0.00	3002.27	0
1/31/73	800	2230.6	2985.61	0.00	2985.61	0
1/31/73	1630	2230.6	3002.27	0.00	3002.27	0
2/ 1/73	800	2230.7	2981.45	0.00	2981.45	0
2/ 1/73	1310	2230.7	2976.67	0.00	2976.67	0
2/ 1/73	1315	2230.7	3007.70	0.00	3007.70	0
2/ 1/73	1600	2230.7	3007.70	0.00	3007.70	0
2/ 2/73	800	2230.8	2991.60	0.00	2991.60	0
2/ 2/73	1500	2230.7	4157.42	0.00	4157.42	0
2/ 2/73	1600	2230.7	4157.42	0.00	4157.42	0
2/ 3/73	800	2230.4	3898.56	0.00	3898.56	0
2/ 3/73	1400	2230.3	5494.33	0.00	5494.33	0
2/ 4/73	800	2230.1	5205.93	0.00	5205.93	0
2/ 4/73	1400	2230.0	5464.84	0.00	5464.84	0
2/ 5/73	800	2229.7	5317.88	0.00	5317.88	0
2/ 5/73	1340	2229.7	2960.31	0.00	2960.31	0
2/ 5/73	1600	2229.7	2960.31	0.00	2960.31	0
2/ 6/73	800	2229.7	2599.60	0.00	2599.60	0
2/ 6/73	1345	2229.7	2960.31	0.00	2960.31	0
2/ 6/73	1600	2229.7	2960.31	0.00	2960.31	0
2/ 7/73	800	2229.8	2899.62	0.00	2899.62	0
2/ 7/73	1400	2229.8	2965.10	0.00	2965.10	0
2/ 7/73	1600	2229.7	2960.31	0.00	2960.31	0
2/ 8/73	800	2229.6	2879.83	0.00	2879.83	0
2/ 8/73	1190	2229.6	2807.21	0.00	2807.21	0
2/ 8/73	1600	2229.6	2807.21	0.00	2807.21	0
2/ 9/73	800	2229.6	2774.21	0.00	2774.21	0
2/ 9/73	1400	2229.6	2807.21	0.00	2807.21	0
2/ 9/73	1600	2229.6	2807.21	0.00	2807.21	0
2/10/73	800	2229.6	2752.95	0.00	2752.95	0
2/10/73	1400	2229.5	2802.01	0.00	2802.01	0
2/11/73	800	2229.5	2738.44	0.00	2738.44	0
2/11/73	1400	2229.5	2802.01	0.00	2802.01	0
2/12/73	800	2229.5	2778.51	0.00	2778.51	0
2/12/73	1350	2229.5	2802.01	0.00	2802.01	0
2/12/73	1600	2229.5	2802.01	0.00	2802.01	0
2/13/73	800	2229.5	2773.80	0.00	2773.80	0
2/13/73	1330	2229.5	2802.01	0.00	2802.01	0
2/13/73	1600	2229.5	2802.01	0.00	2802.01	0
2/14/73	800	2229.5	2769.10	0.00	2769.10	0
2/14/73	1400	2229.5	2802.01	0.00	2802.01	0
2/14/73	1600	2229.5	2802.01	0.00	2802.01	0
2/15/73	800	2229.5	2773.80	0.00	2773.80	0
2/15/73	1400	2229.5	2802.01	0.00	2802.01	0
2/15/73	1600	2229.5	2802.01	0.00	2802.01	0
2/16/73	800	2229.5	2778.51	0.00	2778.51	0
2/16/73	1400	2229.5	2802.01	0.00	2802.01	0
2/16/73	1600	2229.5	2802.01	0.00	2802.01	0
2/17/73	800	2229.5	2778.51	0.00	2778.51	0
2/17/73	1400	2229.5	2802.01	0.00	2802.01	0
2/18/73	800	2229.5	2776.16	0.00	2776.16	0
2/18/73	1400	2229.5	2802.01	0.00	2802.01	0
2/19/73	800	2229.5	2776.16	0.00	2776.16	0
2/19/73	1400	2229.5	2802.01	0.00	2802.01	0
2/20/73	800	2229.5	2747.88	0.00	2747.88	0
2/20/73	1400	2229.5	2802.01	0.00	2802.01	0
2/20/73	1600	2229.5	2802.01	0.00	2802.01	0
2/21/73	800	2229.5	2780.86	0.00	2780.86	0
2/21/73	1330	2229.5	2802.01	0.00	2802.01	0
2/21/73	1600	2229.5	2802.01	0.00	2802.01	0
2/22/73	800	2229.5	2778.51	0.00	2778.51	0
2/22/73	1330	2229.5	2802.01	0.00	2802.01	0
2/22/73	1600	2229.5	2802.01	0.00	2802.01	0
2/23/73	800	2229.6	2778.93	0.00	2778.93	0
2/23/73	1330	2229.6	2807.21	0.00	2807.21	0
2/23/73	1600	2229.6	2807.21	0.00	2807.21	0
2/24/73	800	2229.6	2778.93	0.00	2778.93	0
2/24/73	1400	2229.6	2778.93	0.00	2778.93	0
2/25/73	800	2229.6	2776.57	0.00	2776.57	0
2/25/73	1400	2229.6	2807.21	0.00	2807.21	0
2/26/73	800	2229.6	2776.57	0.00	2776.57	0
2/26/73	1325	2229.6	2807.21	0.00	2807.21	0
2/26/73	1600	2229.6	2807.21	0.00	2807.21	0
2/27/73	800	2229.6	2781.29	0.00	2781.29	0
2/27/73	1350	2229.7	2812.39	0.00	2812.39	0
2/27/73	1600	2229.7	2812.39	0.00	2812.39	0
2/28/73	800	2229.9	2796.63	0.00	2796.63	0
2/28/73	1300	2229.9	2870.03	0.00	2870.03	0
2/28/73	1600	2229.9	2870.03	0.00	2870.03	0
3/ 1/73	800	2229.9	2616.98	0.00	2616.98	0
3/ 1/73	1350	2229.9	2917.12	0.00	2917.12	0
3/ 1/73	1600	2229.9	2917.12	0.00	2917.12	0
3/ 2/73	800	2229.9	2879.47	0.00	2879.47	0
3/ 2/73	1400	2229.9	2917.12	0.00	2917.12	0
3/ 2/73	1600	2229.9	2917.12	0.00	2917.12	0
3/ 3/73	800	2230.0	2894.21	0.00	2894.21	0
3/ 3/73	1400	2230.0	2922.50	0.00	2922.50	0
3/ 4/73	800	2230.0	2898.93	0.00	2898.93	0
3/ 4/73	1400	2230.0	2922.50	0.00	2922.50	0
3/ 5/73	800	2230.0	2882.40	0.00	2882.40	0
3/ 5/73	1400	2230.0	2922.50	0.00	2922.50	0
3/ 5/73	1600	2230.0	2922.50	0.00	2922.50	0
3/ 6/73	800	2230.0	2898.93	0.00	2898.93	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
3/ 6/73	1340	2230.0	2922.50	0.00	2922.50	0
3/ 6/73	1600	2230.1	2927.88	0.00	2927.88	0
3/ 7/73	800	2230.2	2911.93	0.00	2911.93	0
3/ 7/73	1600	2230.3	2938.60	0.00	2938.60	0
3/ 8/73	800	2230.4	2924.91	0.00	2924.91	0
3/ 8/73	1515	2230.4	2943.94	0.00	2943.94	0
3/ 9/73	800	2230.5	2930.20	0.00	2930.20	0
3/ 9/73	1430	2230.5	3252.86	0.00	3252.86	0
3/10/73	800	2230.5	3191.55	0.00	3191.55	0
3/10/73	1400	2230.5	3291.37	0.00	3291.37	0
3/11/73	800	2230.5	3233.66	0.00	3233.66	0
3/11/73	1400	2230.5	3291.37	0.00	3291.37	0
3/12/73	800	2230.5	3245.18	0.00	3245.18	0
3/12/73	1400	2230.5	3291.37	0.00	3291.37	0
3/12/73	1600	2230.5	3291.37	0.00	3291.37	0
3/13/73	800	2230.5	3245.18	0.00	3245.18	0
3/13/73	1320	2230.5	3330.03	0.00	3330.03	0
3/13/73	1600	2230.5	3330.03	0.00	3330.03	0
3/14/73	800	2230.5	3295.23	0.00	3295.23	0
3/14/73	1340	2230.5	3368.83	0.00	3368.83	0
3/14/73	1600	2230.5	3368.83	0.00	3368.83	0
3/15/73	800	2230.5	3333.91	0.00	3333.91	0
3/15/73	1330	2230.5	3368.83	0.00	3368.83	0
3/15/73	1600	2230.5	3368.83	0.00	3368.83	0
3/16/73	800	2230.5	3333.91	0.00	3333.91	0
3/16/73	1330	2230.5	3368.83	0.00	3368.83	0
3/16/73	1600	2230.5	3368.83	0.00	3368.83	0
3/17/73	800	2230.5	3337.78	0.00	3337.78	0
3/17/73	1400	2230.5	3368.83	0.00	3368.83	0
3/18/73	800	2230.5	3330.03	0.00	3330.03	0
3/19/73	800	2230.5	3299.09	0.00	3299.09	0
3/19/73	920	2230.5	3368.83	0.00	3368.83	0
3/19/73	1600	2230.5	3368.83	0.00	3368.83	0
3/20/73	800	2230.5	3326.16	0.00	3326.16	0
3/20/73	1330	2230.4	3362.51	0.00	3362.51	0
3/20/73	1600	2230.3	3356.18	0.00	3356.18	0
3/21/73	800	2230.0	3306.42	0.00	3306.42	0
3/21/73	1345	2230.0	3337.12	0.00	3337.12	0
3/21/73	1600	2230.0	3337.12	0.00	3337.12	0
3/22/73	800	2230.0	3302.59	0.00	3302.59	0
3/22/73	1400	2230.0	3337.12	0.00	3337.12	0
3/22/73	1600	2230.0	3337.12	0.00	3337.12	0
3/23/73	800	2230.0	3302.59	0.00	3302.59	0
3/23/73	1400	2230.0	3337.12	0.00	3337.12	0
3/23/73	1600	2230.0	3337.12	0.00	3337.12	0
3/24/73	800	2230.0	3306.42	0.00	3306.42	0
3/24/73	1400	2230.0	3337.12	0.00	3337.12	0
3/25/73	800	2230.0	3298.76	0.00	3298.76	0
3/25/73	1400	2230.0	3337.12	0.00	3337.12	0
3/26/73	800	2230.0	3294.94	0.00	3294.94	0
3/26/73	1000	2230.0	3337.12	0.00	3337.12	0
3/26/73	1350	2230.0	3337.12	0.00	3337.12	0
3/26/73	1600	2230.1	3343.48	0.00	3343.48	0
3/27/73	800	2230.2	2759.13	0.00	2759.13	0
3/27/73	1000	2230.2	3388.51	0.00	3388.51	0
3/27/73	1415	2230.2	3388.51	0.00	3388.51	0
3/27/73	1600	2230.2	3388.51	0.00	3388.51	0
3/28/73	800	2230.2	3334.41	0.00	3334.41	0
3/28/73	1410	2230.2	3388.51	0.00	3388.51	0
3/28/73	1600	2230.2	3388.51	0.00	3388.51	0
3/29/73	800	2230.3	3356.18	0.00	3356.18	0
3/29/73	1430	2230.3	3472.90	0.00	3472.90	0
3/29/73	1600	2230.3	3472.90	0.00	3472.90	0
3/30/73	800	2230.3	3433.85	0.00	3433.85	0
3/30/73	1330	2230.3	3472.90	0.00	3472.90	0
3/30/73	1600	2230.3	3472.90	0.00	3472.90	0
3/31/73	800	2230.3	3429.96	0.00	3429.96	0
3/31/73	1400	2230.3	3472.90	0.00	3472.90	0
4/ 1/73	800	2230.3	3402.72	0.00	3402.72	0
4/ 1/73	1400	2230.3	3472.90	0.00	3472.90	0
4/ 2/73	800	2230.3	3433.85	0.00	3433.85	0
4/ 2/73	1300	2230.3	3472.90	0.00	3472.90	0
4/ 2/73	1600	2230.3	3472.90	0.00	3472.90	0
4/ 3/73	800	2230.3	3433.85	0.00	3433.85	0
4/ 3/73	1330	2230.3	3472.90	0.00	3472.90	0
4/ 3/73	1600	2230.3	3472.90	0.00	3472.90	0
4/ 4/73	800	2230.3	3437.75	0.00	3437.75	0
4/ 4/73	1340	2230.3	3512.08	0.00	3512.08	0
4/ 4/73	1600	2230.3	3512.08	0.00	3512.08	0
4/ 5/73	800	2230.3	3472.90	0.00	3472.90	0
4/ 5/73	1400	2230.3	3512.08	0.00	3512.08	0
4/ 5/73	1600	2230.4	3518.78	0.00	3518.78	0
4/ 6/73	800	2230.5	3490.03	0.00	3490.03	0
4/ 6/73	1400	2230.5	3525.46	0.00	3525.46	0
4/ 6/73	1600	2230.5	3525.46	0.00	3525.46	0
4/ 7/73	800	2230.5	3482.17	0.00	3482.17	0
4/ 7/73	1400	2230.5	3525.46	0.00	3525.46	0
4/ 8/73	800	2230.5	3470.39	0.00	3470.39	0
4/ 8/73	1400	2230.5	3525.46	0.00	3525.46	0
4/ 9/73	800	2230.5	3525.46	0.00	3525.46	0
4/ 9/73	1400	2230.5	3525.46	0.00	3525.46	0
4/ 9/73	1600	2230.5	3525.46	0.00	3525.46	0
4/10/73	800	2230.5	3474.31	0.00	3474.31	0
4/10/73	1500	2230.5	3525.46	0.00	3525.46	0
4/10/73	1600	2230.5	3525.46	0.00	3525.46	0
4/11/73	800	2230.5	3470.39	0.00	3470.39	0
4/11/73	1400	2230.5	3525.46	0.00	3525.46	0
4/11/73	1600	2230.5	3525.46	0.00	3525.46	0
4/12/73	800	2230.6	3480.86	0.00	3480.86	0
4/12/73	1400	2230.6	3610.59	0.00	3610.59	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICFS	SPILLWAYS	TOTAL	PENSTOCK
4/12/73	1600	2230.6	3610.59	0.00	3610.59	0
4/13/73	800	2230.7	3549.17	0.00	3549.17	0
4/13/73	1400	2230.9	3834.54	0.00	3834.53	0
4/13/73	1600	2230.9	3834.54	0.00	3834.53	0
4/14/73	800	2231.4	3799.55	0.00	3799.54	0
4/14/73	1400	2231.6	3877.58	0.00	3877.58	0
4/15/73	800	2232.1	3844.09	0.00	3844.10	0
4/15/73	1400	2232.3	3920.16	0.00	3920.16	0
4/16/73	800	2232.8	3890.94	0.00	3890.95	0
4/16/73	1400	2233.0	3962.28	0.00	3962.28	0
4/16/73	1600	2233.1	3968.26	0.00	3968.26	0
4/17/73	800	2233.7	3781.27	0.00	3781.27	0
4/17/73	1040	2233.8	2277.20	0.00	2277.20	0
4/17/73	1130	2233.8	2277.20	0.00	2277.20	0
4/17/73	1300	2233.8	2277.20	0.00	2277.20	0
4/17/73	1400	2233.8	2277.20	0.00	2277.20	0
4/17/73	1600	2233.9	2331.17	0.00	2331.17	0
4/18/73	800	2233.9	2334.69	0.00	2334.69	0
4/18/73	900	2234.2	2288.15	0.00	2288.15	0
4/18/73	900	2234.2	2399.42	0.00	2399.42	0
4/18/73	1310	2234.3	2403.02	0.00	2403.02	0
4/18/73	1420	2234.4	2460.83	0.00	2460.83	0
4/19/73	1600	2234.4	2460.83	0.00	2460.83	0
4/19/73	800	2234.8	2420.93	0.00	2420.93	0
4/19/73	1350	2235.0	2482.85	0.00	2482.85	0
4/19/73	1600	2235.1	2486.50	0.00	2486.50	0
4/20/73	800	2235.6	2504.68	0.00	2504.68	0
4/20/73	1400	2235.8	2484.15	0.00	2484.15	0
4/20/73	1600	2235.8	2484.15	0.00	2484.15	0
4/21/73	800	2236.2	2464.78	0.00	2464.78	0
4/21/73	1400	2236.4	2505.44	0.00	2505.44	0
4/22/73	800	2236.9	2477.74	0.00	2477.74	0
4/22/73	1400	2237.0	2526.56	0.00	2526.56	0
4/23/73	800	2237.5	2483.95	0.00	2483.95	0
4/23/73	1330	2237.7	2522.29	0.00	2522.29	0
4/23/73	1600	2237.7	2522.29	0.00	2522.29	0
4/24/73	800	2238.2	2507.53	0.00	2507.53	0
4/24/73	1400	2238.4	2517.13	0.00	2517.13	0
4/24/73	1600	2238.5	2520.48	0.00	2520.48	0
4/25/73	800	2239.2	2493.74	0.00	2493.74	0
4/25/73	1415	2239.4	2520.88	0.00	2520.88	0
4/25/73	1600	2239.5	2524.14	0.00	2524.14	0
4/26/73	800	2240.1	2507.78	0.00	2507.78	0
4/26/73	1400	2240.3	2579.96	0.00	2579.96	0
4/26/73	1600	2240.4	2583.23	0.00	2583.23	0
4/27/73	800	2241.1	2557.55	0.00	2557.55	0
4/27/73	1400	2241.4	2615.65	0.00	2615.65	0
4/27/73	1600	2241.5	2618.87	0.00	2618.87	0
4/28/73	800	2242.3	2604.49	0.00	2604.49	0
4/28/73	1400	2242.6	2654.03	0.00	2654.03	0
4/29/73	800	2243.4	2635.59	0.00	2635.59	0
4/29/73	1400	2243.7	2688.73	0.00	2688.73	0
4/30/73	800	2244.5	2462.99	0.00	2462.99	0
4/30/73	1400	2244.7	2688.13	0.00	2688.13	0
4/30/73	1600	2244.8	2691.19	0.00	2691.19	0
5/ 1/73	800	2245.5	2664.30	0.00	2664.30	0
5/ 1/73	1000	2245.6	2618.96	0.00	2618.96	0
5/ 1/73	1300	2245.7	2621.86	0.00	2621.86	0
5/ 1/73	1600	2245.8	2624.76	0.00	2624.76	0
5/ 2/73	800	2246.4	2580.22	0.00	2580.22	0
5/ 2/73	1400	2246.6	2615.22	0.00	2615.22	0
5/ 2/73	1600	2246.7	2618.05	0.00	2618.05	0
5/ 3/73	800	2247.3	2602.04	0.00	2602.04	0
5/ 3/73	1400	2247.5	2574.54	0.00	2574.54	0
5/ 3/73	1600	2247.6	2577.27	0.00	2577.27	0
5/ 4/73	800	2248.3	2566.24	0.00	2566.24	0
5/ 4/73	1400	2248.6	2570.89	0.00	2570.89	0
5/ 4/73	1600	2248.7	2573.54	0.00	2573.54	0
5/ 5/73	800	2249.6	2600.73	0.00	2600.73	0
5/ 5/73	1400	2249.9	2571.21	0.00	2571.21	0
5/ 6/73	800	2250.7	2564.34	0.00	2564.34	0
5/ 6/73	1400	2251.1	2567.56	0.00	2567.56	0
5/ 7/73	800	2252.2	2556.70	0.00	2556.70	0
5/ 7/73	1400	2252.7	2572.44	0.00	2572.44	0
5/ 7/73	1600	2252.8	2574.88	0.00	2574.88	0
5/ 8/73	800	2254.0	2571.96	0.00	2571.96	0
5/ 8/73	1400	2254.5	2580.26	0.00	2580.26	0
5/ 8/73	1600	2254.6	2582.63	0.00	2582.63	0
5/ 9/73	800	2255.9	2576.89	0.00	2576.89	0
5/ 9/73	1400	2256.3	2586.07	0.00	2586.07	0
5/ 9/73	1600	2256.5	2590.66	0.00	2590.66	0
5/10/73	800	2257.6	2578.81	0.00	2578.81	0
5/10/73	1330	2257.9	2548.48	0.00	2548.48	0
5/10/73	1600	2258.1	2552.86	0.00	2552.86	0
5/11/73	800	2259.1	2518.47	0.00	2518.47	0
5/11/73	1400	2259.5	2508.13	0.00	2508.13	0
5/11/73	1600	2259.6	2510.23	0.00	2510.23	0
5/12/73	800	2260.6	2496.89	0.00	2496.89	0
5/12/73	1400	2260.9	2499.21	0.00	2499.21	0
5/13/73	800	2261.8	2467.56	0.00	2467.56	0
5/13/73	1400	2262.1	2446.54	0.00	2446.54	0
5/14/73	800	2263.2	2436.81	0.00	2436.81	0
5/14/73	1400	2263.7	2360.42	0.00	2360.42	0
5/14/73	1600	2263.8	2362.25	0.00	2362.25	0
5/15/73	800	2265.0	2344.60	0.00	2344.60	0
5/16/73	800	2267.7	1887.24	0.00	1887.24	0
5/16/73	900	2267.8	2353.53	0.00	2353.53	0
5/16/73	1600	2268.8	2370.59	0.00	2370.59	0
5/17/73	800	2271.1	2355.54	0.00	2355.54	0
5/17/73	1400	2272.6	2392.46	0.00	2392.46	0
5/17/73	1600	2273.1	2400.58	0.00	2400.58	0



TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
5/18/73	800	2277.1	2408.37	0.00	2408.37	0
5/18/73	1400	2278.9	2449.04	0.00	2449.04	0
5/18/73	1600	2279.5	2458.21	0.00	2458.21	0
5/19/73	800	2284.4	2482.06	0.00	2482.06	0
5/19/73	1400	2285.9	2462.63	0.00	2462.63	0
5/20/73	800	2290.3	2453.77	0.00	2453.77	0
5/20/73	1400	2291.5	2493.37	0.00	2493.37	0
5/21/73	800	2295.3	2452.41	0.00	2452.41	0
5/21/73	1400	2296.3	2460.22	0.00	2460.22	0
5/21/73	1600	2296.7	2465.25	0.00	2465.25	0
5/22/73	800	2299.4	2430.06	0.00	2430.06	0
5/22/73	1400	2300.5	2413.59	0.00	2413.59	0
5/22/73	1600	2300.8	2417.13	0.00	2417.13	0
5/23/73	800	2303.7	2365.70	0.00	2365.70	0
5/23/73	1400	2304.2	2356.20	0.00	2356.20	0
5/23/73	1600	2304.3	2357.31	0.00	2357.31	0
5/24/73	800	2305.5	2309.81	0.00	2309.81	0
5/24/73	1100	2305.9	2375.04	0.00	2375.04	0
5/24/73	1200	2306.0	2376.14	0.00	2376.14	0
5/24/73	1600	2306.5	2381.65	0.00	2381.65	0
5/25/73	800	2308.4	2320.27	0.00	2320.27	0
5/25/73	1400	2309.3	2309.09	0.00	2309.09	0
5/25/73	1600	2309.6	2312.20	0.00	2312.20	0
5/26/73	800	2312.0	2274.32	0.00	2274.32	0
5/26/73	1400	2312.9	2293.77	0.00	2293.77	0
5/27/73	800	2315.6	2272.84	0.00	2272.84	0
5/27/73	1400	2316.4	2275.24	0.00	2275.24	0
5/28/73	800	2318.7	2259.62	0.00	2259.62	0
5/28/73	1400	2319.4	2249.99	0.00	2249.99	0
5/29/73	800	2321.4	2208.67	0.00	2208.67	0
5/29/73	1400	2321.9	2218.58	0.00	2218.58	0
5/29/73	1600	2322.1	2220.37	0.00	2220.37	0
5/30/73	800	2323.6	2189.89	0.00	2189.89	0
5/30/73	1400	2324.1	2238.17	0.00	2238.17	0
5/30/73	1600	2324.3	2239.94	0.00	2239.94	0
5/31/73	800	2325.8	2208.95	0.00	2208.95	0
5/31/73	1400	2326.5	2259.35	0.00	2259.35	0
5/31/73	1600	2326.7	2261.11	0.00	2261.11	0
6/ 1/73	800	2328.5	2220.95	0.00	2220.95	0
6/ 1/73	1330	2329.1	2170.04	0.00	2170.04	0
6/ 1/73	1600	2329.4	2172.52	0.00	2172.52	0
6/ 2/73	800	2331.3	2165.55	0.00	2165.55	0
6/ 2/73	1400	2332.0	2193.86	0.00	2193.86	0
6/ 3/73	800	2334.1	2131.07	0.00	2131.07	0
6/ 3/73	1400	2334.8	2159.41	0.00	2159.41	0
6/ 4/73	800	2336.9	2095.19	0.00	2095.19	0
6/ 4/73	830	2336.9	2175.88	0.00	2175.88	0
6/ 4/73	1000	2337.1	2177.44	0.00	2177.44	0
6/ 4/73	1600	2337.6	2181.34	0.00	2181.34	0
6/ 5/73	800	2339.0	2105.11	0.00	2105.11	0
6/ 5/73	1400	2339.5	2137.91	0.00	2137.91	0
6/ 5/73	1600	2339.7	2139.42	0.00	2139.42	0
6/ 6/73	800	2341.2	2086.31	0.00	2086.31	0
6/ 7/73	800	2343.5	2102.94	0.00	2102.94	0
6/ 7/73	1400	2344.3	2173.77	0.00	2173.77	0
6/ 7/73	1600	2344.6	2175.99	0.00	2175.99	0
6/ 8/73	800	2346.7	2036.44	0.00	2036.44	0
6/ 8/73	1400	2347.8	2199.55	0.00	2199.55	0
6/ 8/73	1600	2348.2	2202.47	0.00	2202.47	0
6/ 9/73	800	2351.1	2090.43	0.00	2090.43	0
6/ 9/73	1400	2352.0	2230.08	0.00	2230.08	0
6/10/73	800	2354.6	2089.63	0.00	2089.63	0
6/10/73	1400	2355.3	2253.79	0.00	2253.79	0
6/11/73	800	2357.5	2090.29	0.00	2090.29	0
6/11/73	1400	2358.1	2273.71	0.00	2273.71	0
6/11/73	1600	2358.3	2275.12	0.00	2275.12	0
6/12/73	800	2359.9	2137.01	0.00	2137.01	0
6/12/73	1400	2360.4	2165.23	0.00	2165.23	0
6/12/73	1600	2360.6	2166.55	0.00	2166.55	0
6/13/73	800	2361.9	2043.72	0.00	2043.72	0
6/13/73	1330	2362.3	2177.81	0.00	2177.81	0
6/13/73	1600	2362.5	2179.13	0.00	2179.13	0
6/14/73	800	2363.8	2061.78	0.00	2061.78	0
6/14/73	1330	2364.3	2190.98	0.00	2190.98	0
6/14/73	1600	2364.5	2192.30	0.00	2192.30	0
6/15/73	800	2365.9	2068.41	0.00	2068.41	0
6/15/73	1400	2366.4	2268.23	0.00	2268.23	0
6/15/73	1600	2366.6	2269.57	0.00	2269.57	0
6/16/73	800	2368.1	2139.24	0.00	2139.24	0
6/16/73	1400	2368.6	2282.95	0.00	2282.95	0
6/17/73	800	2370.0	2144.70	0.00	2144.70	0
6/17/73	1400	2370.4	2294.93	0.00	2294.93	0
6/18/73	800	2371.5	2179.76	0.00	2179.76	0
6/18/73	1150	2371.7	3231.87	0.00	3231.87	0
6/18/73	1300	2371.8	3232.79	0.00	3232.80	0
6/18/73	1400	2371.9	4351.64	0.00	4351.63	0
6/18/73	1545	2372.0	4352.88	0.00	4352.88	0
6/19/73	800	2373.0	4087.25	0.00	4087.25	0
6/19/73	1400	2373.3	4369.06	0.00	4369.05	0
6/19/73	1600	2373.4	4370.30	0.00	4370.30	0
6/20/73	800	2374.2	4075.24	0.00	4075.24	0
6/20/73	1400	2374.5	4383.94	0.00	4383.93	0
6/20/73	1600	2374.6	4385.16	0.00	4385.17	0
6/21/73	800	2375.5	4077.16	0.00	4077.16	0
6/21/73	1400	2375.8	5183.72	0.00	5183.72	0
6/21/73	1600	2375.9	5185.18	0.00	5185.18	0
6/22/73	800	2376.8	4890.18	0.00	4890.18	0
6/22/73	1400	2377.2	8200.26	0.00	8200.25	0
6/22/73	1600	2377.4	8204.82	0.00	8204.82	0
6/23/73	800	2378.5	7406.56	0.00	7406.56	0

TABLE 10. TERRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
6/23/73	1400	2379.0	8241.33	0.00	8241.32	0
6/24/73	800	2380.5	7612.67	0.00	7612.66	0
6/24/73	1400	2381.0	8286.72	0.00	8286.71	0
6/25/73	800	2382.6	7709.55	0.00	7709.54	0
6/25/73	1430	2383.2	8871.58	0.00	8871.58	0
6/25/73	1600	2383.3	8873.98	0.00	8873.98	0
6/26/73	800	2384.8	8103.88	0.00	8103.88	0
6/26/73	1400	2385.3	8787.04	0.00	8787.03	0
6/26/73	1600	2385.5	8791.73	0.00	8791.73	0
6/27/73	800	2386.8	8039.49	0.00	8039.48	0
6/27/73	1400	2387.3	8833.85	0.00	8833.84	0
6/27/73	1600	2387.4	8836.18	0.00	8836.18	0
6/27/73	800	2388.4	7962.33	0.00	7962.34	0
6/28/73	1400	2388.9	8253.94	0.00	8253.94	0
6/28/73	1600	2389.8	8255.58	0.00	8255.58	0
6/29/73	800	2389.9	5432.76	0.00	5432.76	0
6/29/73	1000	2390.0	4300.66	0.00	4300.66	0
6/29/73	1300	2390.2	4302.90	0.00	4302.89	0
6/29/73	1400	2390.2	2151.45	0.00	2151.45	0
6/29/73	1600	2390.4	2152.56	0.00	2152.56	0
6/30/73	800	2391.3	2082.83	0.00	2082.83	0
6/30/73	1400	2391.7	2159.79	0.00	2159.79	0
7/ 1/73	800	2392.9	2084.57	0.00	2084.57	0
7/ 1/73	1400	2393.4	2169.21	0.00	2169.21	0
7/ 2/73	800	2395.1	2103.11	0.00	2103.11	0
7/ 2/73	830	2395.1	2178.59	0.00	2178.59	0
7/ 2/73	1600	2395.5	2180.79	0.00	2180.79	0
7/ 3/73	800	2396.4	2116.89	0.00	2116.89	0
7/ 3/73	1400	2396.7	2256.31	0.00	2256.31	0
7/ 3/73	1600	2396.8	2256.88	0.00	2256.88	0
7/ 4/73	800	2397.5	2122.73	0.00	2122.73	0
7/ 4/73	1400	2397.7	2261.96	0.00	2261.96	0
7/ 5/73	800	2398.5	2162.62	0.00	2162.62	0
7/ 5/73	1400	2398.8	2198.87	0.00	2198.87	0
7/ 5/73	1600	2398.9	2199.41	0.00	2199.41	0
7/ 6/73	800	2399.6	2119.95	0.00	2119.95	0
7/ 6/73	1400	2399.9	2204.86	0.00	2204.86	0
7/ 6/73	1600	2400.0	2205.40	0.00	2205.40	0
7/ 7/73	800	2400.7	2118.74	0.00	2118.74	0
7/ 7/73	1400	2401.0	2210.83	0.00	2210.83	0
7/ 8/73	800	2401.9	2117.48	0.00	2117.48	0
7/ 8/73	1400	2402.1	2216.79	0.00	2216.79	0
7/ 9/73	800	2402.9	2130.16	0.00	2130.16	0
7/ 9/73	1400	2403.1	4374.39	0.00	4374.39	0
7/ 9/73	1600	2403.2	4375.45	0.00	4375.45	0
7/10/73	800	2403.7	4065.44	0.00	4065.45	0
7/10/73	1000	2403.7	7167.85	0.00	7167.85	0
7/10/73	1200	2403.8	7169.58	0.00	7169.59	0
7/10/73	1600	2403.9	7171.33	0.00	7171.33	0
7/11/73	800	2404.2	6256.32	0.00	6256.32	0
7/11/73	1300	2404.3	6686.10	0.00	6686.10	0
7/11/73	1600	2404.4	6687.71	0.00	6687.72	0
7/12/73	800	2404.9	5838.58	0.00	5838.58	0
7/12/73	815	2404.9	6695.79	0.00	6695.79	0
7/12/73	1600	2405.1	6699.01	0.00	6699.01	0
7/13/73	800	2405.5	5903.22	0.00	5903.22	0
7/13/73	1000	2405.5	10455.38	0.00	10455.37	0
7/13/73	1100	2405.5	10455.38	0.00	10455.37	0
7/13/73	1200	2405.5	12378.64	0.00	12378.64	0
7/13/73	1400	2405.6	14313.98	0.00	14313.98	0
7/13/73	1600	2405.6	14313.98	0.00	14313.98	0
7/14/73	630	2405.7	13214.56	0.00	13214.56	0
7/14/73	700	2405.7	15538.93	0.00	15538.93	0
7/14/73	800	2405.7	17124.59	0.00	17124.58	0
7/14/73	1700	2405.7	15035.54	0.00	15035.54	0
7/14/73	1800	2405.7	12384.64	0.00	12384.64	0
7/14/73	1900	2405.8	12387.63	0.00	12387.63	0
7/15/73	630	2405.8	11388.79	0.00	11388.79	0
7/15/73	800	2405.8	8617.83	0.00	8617.82	0
7/15/73	900	2405.8	8617.83	0.00	8617.82	0
7/16/73	800	2406.3	7410.73	0.00	7410.72	0
7/16/73	1000	2406.3	8628.17	0.00	8628.18	0
7/16/73	1600	2406.4	8630.24	0.00	8630.25	0
7/17/73	800	2406.7	7488.52	0.00	7488.52	0
7/17/73	815	2406.7	8423.61	0.00	8423.60	0
7/17/73	1600	2406.8	8425.61	0.00	8425.62	0
7/18/73	800	2407.1	7290.24	0.00	7290.23	0
7/18/73	815	2407.1	8645.05	0.00	8645.05	0
7/18/73	1300	2407.2	8647.11	0.00	8647.11	0
7/18/73	1600	2407.2	8647.11	0.00	8647.11	0
7/19/73	800	2407.5	7311.33	0.00	7311.34	0
7/19/73	815	2407.5	8795.40	0.00	8795.41	0
7/19/73	1600	2407.6	8797.50	0.00	8797.51	0
7/20/73	800	2407.8	7593.22	0.00	7593.22	0
7/20/73	1600	2407.9	8803.79	0.00	8803.80	0
7/21/73	800	2408.1	7598.61	0.00	7598.61	0
7/21/73	830	2408.1	8807.98	0.00	8807.99	0
7/22/73	800	2408.4	7604.01	0.00	7604.01	0
7/22/73	830	2408.4	8814.27	0.00	8814.27	0
7/23/73	800	2408.8	7739.25	0.00	7739.25	0
7/23/73	830	2408.8	4505.50	0.00	4505.50	0
7/24/73	800	2409.3	4120.17	0.00	4120.18	0
7/24/73	830	2409.3	4368.70	0.00	4368.70	0
7/24/73	1600	2409.4	4369.72	0.00	4369.73	0
7/25/73	800	2409.7	3982.02	0.00	3982.01	0
7/25/73	830	2409.7	4800.16	0.00	4800.16	0
7/25/73	1600	2409.8	4801.29	0.00	4801.29	0
7/26/73	800	2410.1	4106.58	0.00	4106.58	0
7/26/73	815	2410.1	4804.67	0.00	4804.68	0
7/26/73	1600	2410.2	4805.81	0.00	4805.81	0

TABLE 10. L J B B Y D A M W A T E R D I S C H A R G E M O D E S

DATE	TIME	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)				
		POOL ELEVATION (FEET)	SLUICES	SPILLWAYS	TOTAL	PENSTOCK
7/27/73	800	2410.5	4010.81	0.00	4010.82	0
7/27/73	815	2410.5	4381.04	0.00	4381.04	0
7/28/73	800	2410.9	3943.40	0.00	3943.40	0
7/28/73	815	2410.9	4385.14	0.00	4385.14	0
7/29/73	800	2411.2	3924.80	0.00	3924.79	0
7/29/73	815	2411.2	4388.22	0.00	4388.22	0
7/30/73	800	2411.5	3941.80	0.00	3941.80	0
7/30/73	815	2411.5	4391.30	0.00	4391.29	0
7/30/73	1600	2411.6	4392.32	0.00	4392.32	0
7/31/73	800	2411.8	3923.16	0.00	3923.15	0
7/31/73	815	2411.8	4394.36	0.00	4394.37	0
7/31/73	1600	2411.9	4395.40	0.00	4395.39	0
8/1/73	800	2412.1	3911.63	0.00	3911.62	0
8/1/73	815	2412.1	4540.55	0.00	4540.55	0
8/1/73	1600	2412.2	4541.60	0.00	4541.60	0
8/2/73	800	2412.4	4042.92	0.00	4042.91	0
8/2/73	815	2412.4	4543.71	0.00	4543.71	0
8/2/73	1600	2412.5	4544.77	0.00	4544.77	0
8/3/73	800	2412.6	4030.49	0.00	4030.49	0
8/3/73	815	2412.6	4545.82	0.00	4545.83	0
8/3/73	1600	2412.7	4546.89	0.00	4546.88	0
8/4/73	800	2413.0	4019.91	0.00	4019.91	0
8/4/73	815	2413.0	4550.05	0.00	4550.05	0
8/5/73	800	2413.2	4093.38	0.00	4093.38	0
8/5/73	815	2413.2	4552.16	0.00	4552.15	0
8/6/73	800	2413.5	4024.55	0.00	4024.56	0
8/6/73	815	2413.5	4555.32	0.00	4555.31	0
8/6/73	1600	2413.6	4556.37	0.00	4556.37	0
8/7/73	800	2413.7	4141.13	0.00	4141.13	0
8/7/73	815	2413.7	4557.42	0.00	4557.42	0
8/7/73	1600	2413.8	4558.48	0.00	4558.47	0
8/8/73	800	2414.0	4129.65	0.00	4129.64	0
8/8/73	815	2414.0	4560.58	0.00	4560.58	0
8/8/73	1600	2414.1	4561.62	0.00	4561.63	0
8/9/73	800	2414.2	4095.66	0.00	4095.65	0
8/9/73	815	2414.2	4562.68	0.00	4562.68	0
8/9/73	1600	2414.3	4563.73	0.00	4563.73	0
8/10/73	800	2414.4	4097.54	0.00	4097.54	0
8/10/73	815	2414.4	4564.78	0.00	4564.78	0
8/10/73	1600	2414.4	4564.78	0.00	4564.78	0
8/11/73	800	2414.6	4063.50	0.00	4063.50	0
8/11/73	815	2414.6	4566.89	0.00	4566.89	0
8/12/73	800	2414.8	4101.30	0.00	4101.31	0
8/12/73	815	2414.8	4568.99	0.00	4568.99	0
8/13/73	800	2414.0	4086.59	0.00	4086.59	0
8/13/73	815	2414.0	4560.58	0.00	4560.58	0
8/13/73	1600	2415.0	4571.08	0.00	4571.09	0
8/14/73	800	2415.1	4060.97	0.00	4060.97	0
8/14/73	815	2415.1	4572.13	0.00	4572.13	0
8/14/73	1600	2415.2	4573.19	0.00	4573.18	0
8/15/73	800	2415.2	4054.70	0.00	4054.71	0
8/15/73	815	2415.3	6286.53	0.00	6286.53	0
8/15/73	905	2415.3	6286.53	0.00	6286.53	0
8/15/73	1000	2415.3	8378.46	0.00	8378.46	0
8/15/73	1145	2415.3	8378.46	0.00	8378.46	0
8/15/73	1600	2415.3	8378.46	0.00	8378.46	0
8/16/73	800	2415.3	7092.12	0.00	7092.12	0
8/16/73	815	2415.3	8378.46	0.00	8378.46	0
8/16/73	1600	2415.3	8378.46	0.00	8378.46	0
8/17/73	800	2415.2	7097.69	0.00	7097.70	0
8/17/73	815	2415.2	9028.12	0.00	9028.12	0
8/17/73	1000	2415.2	9028.12	0.00	9028.12	0
8/17/73	1600	2415.2	9028.12	0.00	9028.12	0
8/18/73	800	2415.2	7696.70	0.00	7696.70	0
8/18/73	815	2415.1	8591.19	0.00	8591.18	0
8/18/73	800	2415.0	9465.50	0.00	9465.51	0
8/18/73	900	2415.0	10191.13	0.00	10191.13	0
8/18/73	930	2415.0	11078.10	0.00	11078.09	0
8/18/73	1000	2415.0	11799.23	0.00	11799.23	0
8/18/73	1030	2415.0	12660.32	0.00	12660.32	0
8/18/73	1100	2415.0	13391.49	0.00	13391.48	0
8/18/73	1200	2415.0	15077.90	0.00	15077.90	0
8/18/73	1300	2415.0	14197.32	0.00	14197.32	0
8/18/73	1315	2415.0	15077.90	0.00	15077.90	0
8/18/73	1930	2415.0	15077.90	0.00	15077.90	0
8/19/73	800	2414.7	13894.35	0.00	13894.36	0
8/19/73	815	2414.7	15067.38	0.00	15067.38	0
8/20/73	800	2414.4	13826.21	0.00	13826.22	0
8/20/73	815	2414.9	14707.98	0.00	14707.97	0
8/20/73	1600	2413.9	15039.29	0.00	15039.30	0
8/21/73	800	2413.9	13518.37	0.00	13518.37	0
8/21/73	815	2413.9	15039.29	0.00	15039.30	0
8/21/73	1600	2413.8	15035.78	0.00	15035.79	0
8/22/73	800	2413.5	13491.32	0.00	13491.32	0
8/22/73	815	2413.5	14659.11	0.00	14659.12	0
8/22/73	805	2413.5	15610.89	0.00	15610.89	0
8/22/73	930	2413.5	16564.73	0.00	16564.73	0
8/22/73	1015	2413.4	17590.22	0.00	17590.22	0
8/22/73	1100	2413.4	18548.15	0.00	18548.15	0
8/22/73	1145	2413.4	19508.12	0.00	19508.13	0
8/22/73	1430	2413.3	19503.54	0.00	19503.53	0
8/22/73	1600	2413.3	19503.54	0.00	19503.53	0
8/23/73	800	2412.8	17859.68	0.00	17859.68	0
8/23/73	815	2412.8	19480.51	0.00	19480.52	0
8/23/73	1600	2412.6	19471.29	0.00	19471.30	0
8/24/73	800	2412.1	17830.18	0.00	17830.19	0
8/24/73	815	2412.1	19448.25	0.00	19448.25	0
8/24/73	1600	2411.9	19439.03	0.00	19439.02	0
8/25/73	800	2411.4	17829.92	0.00	17829.92	0
8/25/73	815	2411.4	19636.64	0.00	19636.64	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PERSTOCK
8/26/73	800	2410.7	17983.26	0.00	17983.26	0
8/26/73	815	2410.7	19603.90	0.00	19603.89	0
8/27/73	800	2410.0	18062.88	0.00	18062.87	0
8/27/73	815	2410.0	19571.08	0.00	19571.09	0
8/27/73	1600	2409.8	19561.70	0.00	19561.70	0
8/28/73	800	2409.3	17981.56	0.00	17981.56	0
8/28/73	815	2409.3	19757.90	0.00	19757.90	0
8/28/73	1600	2409.0	19743.65	0.00	19743.64	0
8/29/73	800	2408.5	18143.81	0.00	18143.81	0
8/29/73	815	2408.5	19719.85	0.00	19719.84	0
8/30/73	815	2407.8	19905.45	0.00	19905.45	0
8/30/73	1600	2407.6	19895.78	0.00	19895.79	0
8/31/73	800	2407.1	18706.77	0.00	18706.76	0
8/31/73	815	2407.1	20090.32	0.00	20090.33	0
8/31/73	1600	2406.8	20075.65	0.00	20075.66	0
9/ 1/73	800	2406.3	18866.31	0.00	18866.31	0
9/ 1/73	815	2406.3	20051.19	0.00	20051.19	0
9/ 2/73	800	2405.7	18889.41	0.00	18889.41	0
9/ 2/73	815	2405.7	20021.79	0.00	20021.78	0
9/ 3/73	800	2405.0	18748.51	0.00	18748.51	0
9/ 3/73	815	2405.0	19987.42	0.00	19987.42	0
9/ 4/73	800	2404.3	19042.62	0.00	19042.61	0
9/ 4/73	815	2404.3	20967.29	0.00	20967.28	0
9/ 4/73	845	2404.3	22857.49	0.00	22857.50	0
9/ 4/73	915	2404.2	24822.36	0.00	24822.36	0
9/ 4/73	1130	2404.2	24822.36	0.00	24822.36	0
9/ 4/73	1600	2404.0	24810.02	0.00	24810.01	0
9/ 5/73	800	2403.3	23346.55	0.00	23346.55	0
9/ 5/73	815	2403.3	24766.75	0.00	24766.74	0
9/ 5/73	1600	2402.9	24741.99	0.00	24741.98	0
9/ 6/73	800	2402.2	22696.29	0.00	22696.29	0
9/ 6/73	815	2402.2	24884.16	0.00	24884.16	0
9/ 6/73	1600	2401.9	24865.39	0.00	24865.39	0
9/ 7/73	800	2401.2	21975.08	0.00	21975.09	0
9/ 7/73	815	2401.2	24966.62	0.00	24966.61	0
9/ 7/73	1300	2401.0	23175.93	0.00	23175.93	0
9/ 7/73	1330	2401.0	21443.83	0.00	21443.83	0
9/ 7/73	1400	2401.0	20293.41	0.00	20293.41	0
9/ 7/73	1600	2400.9	20288.31	0.00	20288.32	0
9/ 8/73	800	2400.2	19105.56	0.00	19105.56	0
9/ 8/73	815	2400.2	20252.62	0.00	20252.63	0
9/ 9/73	800	2399.4	18760.21	0.00	18760.21	0
9/ 9/73	815	2399.4	20211.76	0.00	20211.76	0
9/10/73	800	2398.8	18710.42	0.00	18710.42	0
9/10/73	815	2398.8	20181.06	0.00	20181.06	0
9/10/73	1600	2398.5	20165.70	0.00	20165.69	0
9/11/73	800	2398.0	18722.25	0.00	18722.24	0
9/11/73	815	2398.0	20568.07	0.00	20568.06	0
9/11/73	1600	2397.7	20552.32	0.00	20552.32	0
9/12/73	800	2397.2	18960.95	0.00	18960.95	0
9/12/73	815	2397.2	20528.06	0.00	20528.06	0
9/12/73	1600	2396.9	20510.29	0.00	20510.29	0
9/13/73	800	2396.4	18936.32	0.00	18936.32	0
9/13/73	815	2396.4	20483.98	0.00	20483.98	0
9/13/73	1600	2396.1	20468.18	0.00	20468.18	0
9/14/73	800	2395.5	19047.99	0.00	19047.99	0
9/14/73	815	2395.5	20791.61	0.00	20791.61	0
9/14/73	1600	2395.2	20775.48	0.00	20775.48	0
9/15/73	800	2394.7	19340.31	0.00	19340.30	0
9/15/73	815	2394.7	20748.57	0.00	20748.58	0
9/16/73	800	2393.8	19584.07	0.00	19584.07	0
9/16/73	815	2393.8	20700.07	0.00	20700.06	0
9/17/73	800	2392.8	19518.96	0.00	19518.97	0
9/17/73	815	2392.8	20646.02	0.00	20646.02	0
9/17/73	1600	2392.5	20629.79	0.00	20629.78	0
9/18/73	800	2391.9	19515.01	0.00	19515.01	0
9/18/73	815	2391.9	24230.27	0.00	24230.27	0
9/18/73	1030	2391.8	20591.85	0.00	20591.84	0
9/18/73	1330	2391.6	24210.75	0.00	24210.75	0
9/18/73	1400	2391.6	24210.75	0.00	24210.75	0
9/19/73	800	2390.8	22015.25	0.00	22015.25	0
9/19/73	815	2390.8	24158.61	0.00	24158.61	0
9/19/73	1300	2390.6	22864.68	0.00	22864.68	0
9/19/73	1600	2390.4	22852.34	0.00	22852.34	0
9/20/73	800	2389.7	20749.41	0.00	20749.40	0
9/20/73	815	2389.7	22425.79	0.00	22425.78	0
9/20/73	1130	2389.6	18122.58	0.00	18122.58	0
9/20/73	1230	2389.6	13019.55	0.00	13019.55	0
9/20/73	1330	2389.6	10520.93	0.00	10520.94	0
9/20/73	1430	2389.5	10518.16	0.00	10518.15	0
9/21/73	1130	2389.0	10504.23	0.00	10504.24	0
9/21/73	1230	2388.9	12995.27	0.00	12995.27	0
9/21/73	1330	2388.9	19885.06	0.00	19885.06	0
9/21/73	1600	2388.8	19879.67	0.00	19879.67	0
9/22/73	800	2388.4	19914.96	0.00	19914.96	0
9/23/73	800	2387.4	17743.09	0.00	17743.09	0
9/24/73	800	2386.4	19551.35	0.00	19551.35	0
9/24/73	830	2386.4	20040.68	0.00	20040.68	0
9/24/73	1600	2386.1	20024.14	0.00	20024.14	0
9/25/73	800	2385.5	17776.93	0.00	17776.93	0
9/25/73	815	2385.5	19991.02	0.00	19991.02	0
9/25/73	830	2385.5	19991.02	0.00	19991.02	0
9/25/73	1600	2385.2	19974.45	0.00	19974.45	0
9/26/73	800	2384.6	17699.57	0.00	17699.57	0
9/26/73	815	2384.6	19941.25	0.00	19941.25	0
9/26/73	1600	2384.3	19924.62	0.00	19924.63	0
9/27/73	800	2383.7	17811.00	0.00	17811.01	0
9/27/73	815	2383.7	20601.39	0.00	20601.39	0
9/27/73	1600	2383.4	20584.11	0.00	20584.11	0
9/28/73	800	2382.7	18232.33	0.00	18232.33	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
9/28/73	815	2382.7	13667.82	0.00	13667.82	0
9/28/73	900	2382.7	12027.16	0.00	12027.16	0
9/28/73	1000	2382.7	11142.33	0.00	11142.34	0
9/28/73	1300	2382.6	11139.27	0.00	11139.27	0
9/28/73	1600	2382.6	11139.27	0.00	11139.27	0
9/29/73	800	2382.3	10193.86	0.00	10193.86	0
9/29/73	815	2382.3	10654.91	0.00	10654.91	0
9/30/73	800	2382.0	9813.55	0.00	9813.55	0
9/30/73	815	2382.0	10646.11	0.00	10646.11	0
10/ 1/73	800	2381.6	9742.01	0.00	9742.01	0
10/ 1/73	815	2381.6	10905.20	0.00	10905.21	0
10/ 1/73	1600	2381.5	10902.19	0.00	10902.19	0
10/ 2/73	800	2381.2	10007.77	0.00	10007.77	0
10/ 2/73	815	2381.2	11096.28	0.00	11096.28	0
10/ 2/73	1600	2381.1	11093.21	0.00	11093.21	0
10/ 3/73	800	2380.8	10252.92	0.00	10252.92	0
10/ 3/73	815	2380.8	11083.97	0.00	11083.97	0
10/ 3/73	1600	2380.7	11080.90	0.00	11080.89	0
10/ 4/73	800	2380.4	10281.99	0.00	10281.99	0
10/ 4/73	815	2380.4	11071.65	0.00	11071.65	0
10/ 4/73	1600	2380.3	11068.56	0.00	11068.56	0
10/ 5/73	800	2380.0	10310.92	0.00	10310.92	0
10/ 5/73	830	2380.0	11059.31	0.00	11059.31	0
10/ 5/73	1600	2379.8	11053.13	0.00	11053.13	0
10/ 6/73	800	2379.5	10484.79	0.00	10484.79	0
10/ 6/73	815	2379.5	11043.87	0.00	11043.86	0
10/ 7/73	800	2379.1	10365.62	0.00	10365.62	0
10/ 7/73	815	2379.1	11031.49	0.00	11031.49	0
10/ 8/73	800	2378.7	10374.11	0.00	10374.11	0
10/ 8/73	815	2378.7	11019.10	0.00	11019.11	0
10/ 9/73	800	2378.3	10362.46	0.00	10362.46	0
10/ 9/73	815	2378.3	11006.71	0.00	11006.71	0
10/ 9/73	1600	2378.1	11000.50	0.00	11000.50	0
10/10/73	800	2377.8	10408.10	0.00	10408.10	0
10/10/73	815	2377.8	10991.19	0.00	10991.19	0
10/11/73	800	2377.4	10436.45	0.00	10436.45	0
10/11/73	815	2377.4	10978.76	0.00	10978.76	0
10/11/73	1600	2377.2	10972.54	0.00	10972.54	0
10/12/73	800	2376.9	10408.34	0.00	10408.34	0
10/12/73	815	2376.9	10963.20	0.00	10963.20	0
10/12/73	1600	2376.8	10960.08	0.00	10960.09	0
10/13/73	800	2376.5	10296.55	0.00	10296.55	0
10/13/73	815	2376.5	10950.74	0.00	10950.74	0
10/14/73	800	2376.0	10241.99	0.00	10242.00	0
10/14/73	815	2376.0	10935.14	0.00	10935.14	0
10/15/73	800	2375.7	10293.07	0.00	10293.07	0
10/15/73	815	2375.7	10925.77	0.00	10925.77	0
10/15/73	1600	2375.5	10919.52	0.00	10919.52	0
10/16/73	800	2375.2	10225.26	0.00	10225.26	0
10/16/73	815	2375.2	10910.14	0.00	10910.14	0
10/16/73	1600	2375.1	10907.01	0.00	10907.01	0
10/17/73	800	2374.8	10233.44	0.00	10233.44	0
10/17/73	815	2374.8	10897.62	0.00	10897.62	0
10/17/73	1600	2374.6	10891.35	0.00	10891.35	0
10/18/73	800	2374.3	10245.23	0.00	10245.23	0
10/18/73	815	2374.3	10881.95	0.00	10881.94	0
10/18/73	1600	2374.2	10878.81	0.00	10878.80	0
10/19/73	800	2373.9	10206.98	0.00	10206.98	0
10/19/73	815	2373.9	10869.38	0.00	10869.39	0
10/19/73	1600	2373.7	10863.10	0.00	10863.10	0
10/20/73	800	2373.4	10212.06	0.00	10212.07	0
10/20/73	815	2373.4	10853.67	0.00	10853.67	0
10/21/73	800	2372.9	10210.48	0.00	10210.48	0
10/21/73	815	2372.9	10837.93	0.00	10837.93	0
10/22/73	800	2372.5	10159.11	0.00	10159.11	0
10/22/73	815	2372.5	10825.33	0.00	10825.33	0
10/23/73	800	2372.1	10120.99	0.00	10120.99	0
10/23/73	815	2372.1	16500.48	0.00	16500.48	0
10/24/73	800	2371.6	10132.49	0.00	10132.49	0
10/24/73	815	2371.6	12431.12	0.00	12431.12	0
10/24/73	1430	2371.5	7455.39	0.00	7455.40	0
10/24/73	1600	2371.5	7455.39	0.00	7455.40	0
10/25/73	800	2371.3	6963.40	0.00	6963.40	0
10/25/73	815	2371.3	8102.54	0.00	8102.54	0
10/25/73	1600	2371.3	8102.54	0.00	8102.54	0
10/26/73	800	2371.2	7455.33	0.00	7455.33	0
10/26/73	815	2371.2	8100.18	0.00	8100.18	0
10/26/73	1600	2371.1	8097.82	0.00	8097.83	0
10/27/73	800	2371.0	7555.01	0.00	7555.01	0
10/27/73	815	2371.0	8095.47	0.00	8095.47	0
10/28/73	800	2370.8	7511.63	0.00	7511.63	0
10/28/73	815	2370.8	8090.75	0.00	8090.75	0
10/29/73	800	2370.6	7494.26	0.00	7494.27	0
10/29/73	815	2370.6	8086.02	0.00	8086.03	0
10/29/73	1600	2370.5	8083.66	0.00	8083.66	0
10/30/73	800	2370.4	7502.87	0.00	7502.87	0
10/30/73	815	2370.4	8081.30	0.00	8081.30	0
10/30/73	1600	2370.3	8078.94	0.00	8078.94	0
10/31/73	800	2370.2	7440.13	0.00	7440.13	0
10/31/73	815	2370.2	8076.57	0.00	8076.57	0
10/31/73	1600	2370.2	8076.57	0.00	8076.57	0
11/ 1/73	800	2370.1	7502.77	0.00	7502.78	0
11/ 1/73	815	2370.1	8074.21	0.00	8074.21	0
11/ 1/73	1600	2370.0	8071.84	0.00	8071.84	0
11/ 2/73	800	2369.9	7517.83	0.00	7517.82	0
11/ 2/73	815	2369.9	8069.48	0.00	8069.48	0
11/ 2/73	1400	2369.8	10739.85	0.00	10739.85	0
11/ 2/73	1600	2369.7	10736.67	0.00	10736.67	0
11/ 3/73	800	2369.4	10308.69	0.00	10308.68	0
11/ 3/73	815	2369.4	10727.13	0.00	10727.13	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
11/ 4/73	800	2369.0	10192.09	0.00	10192.09	0
11/ 4/73	815	2369.0	10714.39	0.00	10714.39	0
11/ 5/73	800	2368.6	10290.77	0.00	10290.76	0
11/ 5/73	815	2368.6	10701.64	0.00	10701.64	0
11/ 5/73	1600	2368.4	10695.26	0.00	10695.26	0
11/ 6/73	800	2368.1	10249.38	0.00	10249.37	0
11/ 6/73	815	2368.1	12298.89	0.00	12298.89	0
11/ 6/73	1300	2368.0	12295.09	0.00	12295.09	0
11/ 6/73	1600	2367.9	12291.29	0.00	12291.29	0
11/ 6/73	1615	2367.9	10679.29	0.00	10679.29	0
11/ 7/73	800	2367.5	10295.96	0.00	10295.96	0
11/ 7/73	815	2367.5	10666.49	0.00	10666.49	0
11/ 7/73	1600	2367.3	10660.09	0.00	10660.09	0
11/ 8/73	800	2367.0	10228.63	0.00	10228.62	0
11/ 8/73	815	2367.0	10650.48	0.00	10650.48	0
11/ 8/73	1600	2366.8	10644.06	0.00	10644.07	0
11/ 9/73	800	2366.5	10174.40	0.00	10174.44	0
11/ 9/73	815	2366.5	10634.44	0.00	10634.44	0
11/ 9/73	1600	2366.3	10628.01	0.00	10628.02	0
11/10/73	800	2366.0	10113.84	0.00	10113.84	0
11/10/73	815	2366.0	10747.79	0.00	10747.79	0
11/11/73	800	2365.6	10159.67	0.00	10159.67	0
11/11/73	815	2365.6	10734.76	0.00	10734.76	0
11/12/73	800	2365.4	10121.27	0.00	10121.27	0
11/12/73	815	2365.4	10728.25	0.00	10728.24	0
11/12/73	1600	2365.4	10728.25	0.00	10728.24	0
11/13/73	800	2365.3	10105.31	0.00	10105.31	0
11/13/73	815	2365.3	11047.95	0.00	11047.95	0
11/13/73	1200	2365.3	5536.34	0.00	5536.34	0
11/13/73	1400	2365.3	5536.34	0.00	5536.34	0
11/13/73	1600	2365.4	5538.00	0.00	5538.00	0
11/14/73	800	2365.5	5215.57	0.00	5215.57	0
11/14/73	815	2365.5	5539.65	0.00	5539.65	0
11/14/73	1600	2365.6	5541.31	0.00	5541.30	0
11/15/73	800	2365.7	4996.47	0.00	4996.47	0
11/15/73	815	2365.7	5797.78	0.00	5797.78	0
11/15/73	1600	2365.7	5797.78	0.00	5797.78	0
11/16/73	800	2365.8	5372.84	0.00	5372.85	0
11/16/73	815	2365.8	5799.51	0.00	5799.51	0
11/16/73	1130	2365.8	4086.49	0.00	4086.49	0
11/16/73	1230	2365.8	2518.00	0.00	2518.00	0
11/16/73	1430	2365.9	2518.75	0.00	2518.75	0
11/16/73	1600	2365.9	2518.75	0.00	2518.75	0
11/17/73	800	2366.0	2481.38	0.00	2481.38	0
11/17/73	815	2366.0	2519.50	0.00	2519.50	0
11/18/73	800	2366.2	2476.50	0.00	2476.50	0
11/18/73	815	2366.2	2521.00	0.00	2521.00	0
11/19/73	800	2366.5	2478.70	0.00	2478.70	0
11/19/73	815	2366.5	2523.24	0.00	2523.24	0
11/19/73	1600	2366.6	2523.99	0.00	2523.99	0
11/20/73	800	2366.7	2486.54	0.00	2486.54	0
11/20/73	815	2366.7	4794.98	0.00	4794.98	0
11/20/73	1000	2366.7	6837.98	0.00	6837.98	0
11/20/73	1200	2366.7	9153.13	0.00	9153.13	0
11/20/73	1400	2366.6	9150.39	0.00	9150.38	0
11/20/73	1600	2366.6	9150.39	0.00	9150.38	0
11/21/73	800	2366.4	8738.55	0.00	8738.55	0
11/21/73	815	2366.4	8758.25	0.00	8758.25	0
11/22/73	800	2366.1	8229.27	0.00	8229.27	0
11/22/73	815	2366.1	8750.36	0.00	8750.36	0
11/23/73	800	2365.7	8174.47	0.00	8174.47	0
11/23/73	815	2365.7	8739.83	0.00	8739.83	0
11/23/73	1600	2365.6	8737.19	0.00	8737.19	0
11/24/73	800	2365.4	8205.55	0.00	8205.55	0
11/24/73	815	2365.4	8731.91	0.00	8731.92	0
11/25/73	800	2365.1	8178.92	0.00	8178.92	0
11/25/73	815	2365.1	8724.01	0.00	8724.00	0
11/26/73	800	2364.9	8173.97	0.00	8173.97	0
11/26/73	815	2364.9	8718.73	0.00	8718.72	0
11/26/73	1500	2364.8	10773.45	0.00	10773.46	0
11/26/73	1600	2364.7	10770.17	0.00	10770.17	0
11/27/73	800	2364.4	10425.06	0.00	10425.06	0
11/27/73	815	2364.4	10759.90	0.00	10759.90	0
11/27/73	1300	2364.4	7109.17	0.00	7109.16	0
11/27/73	1400	2364.4	5648.27	0.00	5648.27	0
11/27/73	1600	2364.3	5646.57	0.00	5646.57	0
11/28/73	800	2364.2	5258.64	0.00	5258.63	0
11/28/73	815	2364.2	2316.51	0.00	2316.51	0
11/28/73	1030	2364.2	2316.51	0.00	2316.51	0
11/28/73	1500	2364.3	2696.51	0.00	2696.51	0
11/28/73	1600	2364.3	2696.51	0.00	2696.51	0
11/29/73	800	2364.4	2444.27	0.00	2444.27	0
11/29/73	815	2364.4	2697.33	0.00	2697.33	0
11/29/73	1600	2364.5	2698.14	0.00	2698.14	0
11/30/73	800	2364.6	2534.31	0.00	2534.31	0
11/30/73	815	2364.6	2698.95	0.00	2698.95	0
11/30/73	1600	2364.6	2698.95	0.00	2698.95	0
12/ 1/73	800	2364.7	2509.75	0.00	2509.75	0
12/ 1/73	815	2364.7	2699.76	0.00	2699.76	0
12/ 2/73	800	2364.8	2478.85	0.00	2478.85	0
12/ 2/73	815	2364.8	2700.57	0.00	2700.57	0
12/ 3/73	800	2365.0	2486.66	0.00	2486.66	0
12/ 3/73	815	2365.0	2702.18	0.00	2702.18	0
12/ 3/73	1600	2365.1	2702.99	0.00	2702.99	0
12/ 4/73	800	2365.2	2481.81	0.00	2481.81	0
12/ 4/73	815	2365.2	2703.80	0.00	2703.80	0
12/ 4/73	1600	2365.2	2703.80	0.00	2703.80	0
12/ 5/73	800	2365.3	2545.96	0.00	2545.96	0
12/ 5/73	815	2365.3	2704.61	0.00	2704.61	0
12/ 5/73	1600	2365.3	2704.61	0.00	2704.61	0

TABLE 10. LIBRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			TOTAL	PENSTOCK
			SLUICES	SPILLWAYS			
12/ 6/73	800	2365.4	2546.72	0.00	2546.72	0	
12/ 6/73	815	2365.4	2705.42	0.00	2705.42	0	
12/ 6/73	1600	2365.4	2705.42	0.00	2705.42	0	
12/ 7/73	800	2365.5	2560.18	0.00	2560.18	0	
12/ 7/73	815	2365.5	2706.23	0.00	2706.23	0	
12/ 7/73	1600	2365.5	2706.23	0.00	2706.23	0	
12/ 8/73	800	2365.6	2567.29	0.00	2567.29	0	
12/ 8/73	815	2365.6	2707.03	0.00	2707.03	0	
12/ 9/73	800	2365.7	2555.35	0.00	2555.35	0	
12/ 9/73	815	2365.7	2707.84	0.00	2707.84	0	
12/10/73	800	2365.9	2556.87	0.00	2556.87	0	
12/10/73	815	2365.9	2709.46	0.00	2709.46	0	
12/10/73	1600	2365.9	2709.46	0.00	2709.46	0	
12/11/73	800	2365.9	2575.94	0.00	2575.94	0	
12/11/73	815	2365.9	2709.46	0.00	2709.46	0	
12/11/73	1600	2365.9	2709.46	0.00	2709.46	0	
12/12/73	800	2366.0	2570.35	0.00	2570.35	0	
12/12/73	815	2366.0	2710.26	0.00	2710.26	0	
12/12/73	1600	2366.0	2710.26	0.00	2710.26	0	
12/13/73	800	2366.1	2577.47	0.00	2577.47	0	
12/13/73	815	2366.1	2711.07	0.00	2711.07	0	
12/13/73	830	2366.1	2583.83	0.00	2583.83	0	
12/13/73	1315	2366.1	2583.83	0.00	2583.83	0	
12/13/73	1600	2366.1	2583.83	0.00	2583.83	0	
12/14/73	800	2366.2	2444.72	0.00	2444.72	0	
12/14/73	815	2366.2	2584.60	0.00	2584.60	0	
12/14/73	1600	2366.2	2584.60	0.00	2584.60	0	
12/15/73	800	2366.3	2451.80	0.00	2451.80	0	
12/15/73	815	2366.3	2585.37	0.00	2585.37	0	
12/16/73	800	2366.4	2446.17	0.00	2446.17	0	
12/16/73	815	2366.4	2586.13	0.00	2586.13	0	
12/17/73	800	2366.6	2447.62	0.00	2447.62	0	
12/17/73	815	2366.6	2587.67	0.00	2587.67	0	
12/17/73	1600	2366.7	2588.43	0.00	2588.43	0	
12/18/73	800	2366.8	2449.07	0.00	2449.07	0	
12/18/73	815	2366.8	2589.20	0.00	2589.20	0	
12/18/73	1600	2366.8	2589.20	0.00	2589.20	0	
12/19/73	800	2366.9	2449.79	0.00	2449.79	0	
12/19/73	815	2366.9	2589.97	0.00	2589.97	0	
12/19/73	1600	2366.9	2589.97	0.00	2589.97	0	
12/20/73	800	2367.0	2463.26	0.00	2463.26	0	
12/20/73	815	2367.0	2590.73	0.00	2590.73	0	
12/20/73	1600	2367.0	2590.73	0.00	2590.73	0	
12/21/73	800	2367.1	2457.61	0.00	2457.61	0	
12/21/73	815	2367.1	2591.50	0.00	2591.50	0	
12/22/73	800	2367.2	2477.46	0.00	2477.46	0	
12/23/73	815	2367.3	2593.03	0.00	2593.03	0	
12/24/73	800	2367.4	2453.41	0.00	2453.41	0	
12/24/73	815	2367.4	2593.79	0.00	2593.79	0	
12/25/73	800	2367.5	2460.51	0.00	2460.51	0	
12/25/73	815	2367.5	2594.56	0.00	2594.56	0	
12/26/73	800	2367.6	2454.86	0.00	2454.86	0	
12/26/73	815	2367.6	2595.32	0.00	2595.32	0	
12/26/73	1600	2367.7	2596.09	0.00	2596.09	0	
12/27/73	800	2367.8	2462.69	0.00	2462.69	0	
12/27/73	815	2367.8	2596.85	0.00	2596.85	0	
12/27/73	1600	2367.8	2596.85	0.00	2596.85	0	
12/28/73	800	2367.8	2469.07	0.00	2469.07	0	
12/28/73	815	2367.8	2596.85	0.00	2596.85	0	
12/28/73	1600	2367.8	2596.85	0.00	2596.85	0	
12/29/73	800	2367.9	2476.19	0.00	2476.19	0	
12/29/73	815	2367.9	2597.62	0.00	2597.62	0	
12/30/73	800	2367.9	2482.57	0.00	2482.57	0	
12/30/73	815	2367.9	2597.62	0.00	2597.62	0	
12/31/73	800	2367.9	2495.35	0.00	2495.35	0	
12/31/73	815	2367.9	2597.62	0.00	2597.62	0	
1/ 1/74	800	2367.8	2558.51	0.00	2558.51	0	
1/ 1/74	815	2367.8	2596.85	0.00	2596.85	0	
1/ 2/74	800	2367.7	2525.82	0.00	2525.82	0	
1/ 2/74	815	2367.7	2596.09	0.00	2596.09	0	
1/ 2/74	1600	2367.7	2596.09	0.00	2596.09	0	
1/ 3/74	800	2367.6	2518.69	0.00	2518.69	0	
1/ 3/74	815	2367.6	2595.32	0.00	2595.32	0	
1/ 3/74	1600	2367.6	2595.32	0.00	2595.32	0	
1/ 4/74	800	2367.5	2524.33	0.00	2524.33	0	
1/ 4/74	815	2367.5	2594.56	0.00	2594.56	0	
1/ 4/74	1030	2367.4	5762.78	0.00	5762.78	0	
1/ 4/74	1110	2367.4	9042.69	0.00	9042.69	0	
1/ 4/74	1230	2367.4	12160.97	0.00	12160.97	0	
1/ 4/74	1430	2367.3	14514.49	0.00	14514.49	0	
1/ 4/74	1600	2367.2	14510.08	0.00	14510.08	0	
1/ 5/74	800	2366.7	14127.42	0.00	14127.42	0	
1/ 5/74	815	2366.7	14487.98	0.00	14487.98	0	
1/ 6/74	800	2365.7	14077.74	0.00	14077.74	0	
1/ 6/74	815	2365.7	14443.68	0.00	14443.68	0	
1/ 7/74	800	2364.9	14049.66	0.00	14049.66	0	
1/ 7/74	815	2364.9	14408.15	0.00	14408.15	0	
1/ 7/74	1600	2364.6	14394.80	0.00	14394.80	0	
1/ 8/74	800	2363.9	13993.29	0.00	13993.29	0	
1/ 8/74	815	2363.9	14558.81	0.00	14558.81	0	
1/ 8/74	1600	2363.6	14545.24	0.00	14545.23	0	
1/ 9/74	800	2363.0	14167.90	0.00	14167.90	0	
1/ 9/74	815	2363.0	14518.03	0.00	14518.03	0	
1/ 9/74	1600	2362.7	14504.41	0.00	14504.41	0	
1/10/74	800	2362.0	14110.71	0.00	14110.70	0	
1/10/74	815	2362.0	14472.58	0.00	14472.58	0	
1/10/74	1600	2361.7	14458.93	0.00	14458.92	0	
1/11/74	800	2361.0	14040.59	0.00	14040.58	0	
1/11/74	815	2361.0	14556.01	0.00	14556.01	0	
1/11/74	1260	2360.4	13975.34	0.00	13975.35	0	

TABLE 10. LIBBY DAM WATER DISCHARGE MUDFIS

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
1/11/74	1600	2359.8	13948.72	0.00	13948.72	0
1/12/74	800	2357.5	13839.83	0.00	13839.83	0
1/12/74	815	2357.5	13846.18	0.00	13846.18	0
1/12/74	830	2357.5	14393.79	0.00	14393.78	0
1/12/74	1600	2358.0	14417.07	0.00	14417.07	0
1/13/74	800	2359.1	14167.07	0.00	14167.07	0
1/13/74	815	2359.1	14532.09	0.00	14532.10	0
1/14/74	800	2358.2	14119.81	0.00	14119.81	0
1/14/74	815	2358.2	14490.11	0.00	14490.11	0
1/15/74	800	2357.5	13839.83	0.00	13839.83	0
1/15/74	815	2357.5	13846.18	0.00	13846.18	0
1/15/74	1600	2357.4	13841.71	0.00	13841.71	0
1/15/74	2330	2357.4	7706.37	0.00	7706.38	0
1/16/74	145	2357.4	3074.22	0.00	3074.22	0
1/16/74	800	2357.3	3060.84	0.00	3060.84	0
1/16/74	1030	2357.4	2763.92	0.00	2763.92	0
1/16/74	1600	2357.6	2765.66	0.00	2765.66	0
1/17/74	800	2358.2	2584.50	0.00	2584.50	0
1/17/74	815	2358.2	2770.86	0.00	2770.86	0
1/17/74	1600	2358.5	2773.45	0.00	2773.45	0
1/18/74	800	2359.2	2654.84	0.00	2654.84	0
1/18/74	830	2359.2	2779.50	0.00	2779.50	0
1/18/74	1600	2359.4	2781.22	0.00	2781.22	0
1/19/74	800	2359.7	2658.96	0.00	2658.96	0
1/20/74	800	2360.2	2663.06	0.00	2663.06	0
1/21/74	800	2360.6	2666.35	0.00	2666.35	0
1/21/74	830	2360.6	2791.55	0.00	2791.55	0
1/21/74	1600	2360.7	2792.41	0.00	2792.41	0
1/22/74	800	2360.9	2681.33	0.00	2681.33	0
1/22/74	815	2360.9	2794.13	0.00	2794.13	0
1/22/74	1600	2361.0	2794.99	0.00	2794.99	0
1/23/74	800	2361.1	2689.25	0.00	2689.25	0
1/23/74	830	2361.1	2795.85	0.00	2795.85	0
1/23/74	1600	2361.2	2796.70	0.00	2796.70	0
1/24/74	800	2361.4	2685.45	0.00	2685.45	0
1/24/74	815	2361.4	2798.42	0.00	2798.42	0
1/24/74	1600	2361.5	2799.28	0.00	2799.28	0
1/25/74	800	2361.6	2674.53	0.00	2674.53	0
1/25/74	815	2361.6	2800.13	0.00	2800.13	0
1/25/74	1600	2361.7	2800.99	0.00	2800.99	0
1/26/74	800	2361.8	2663.61	0.00	2663.61	0
1/26/74	815	2361.8	2613.37	0.00	2613.37	0
1/27/74	800	2362.0	2489.36	0.00	2489.36	0
1/27/74	815	2362.0	2614.96	0.00	2614.96	0
1/28/74	800	2362.2	2553.70	0.00	2553.70	0
1/28/74	815	2362.2	2616.56	0.00	2616.56	0
1/28/74	1300	2362.2	4856.19	0.00	4856.19	0
1/28/74	1400	2362.2	6935.23	0.00	6935.23	0
1/28/74	1500	2362.1	9089.20	0.00	9089.19	0
1/28/74	1600	2362.1	9089.20	0.00	9089.19	0
1/29/74	800	2362.0	8603.29	0.00	8603.29	0
1/29/74	1600	2361.8	15677.78	0.00	15677.78	0
1/30/74	800	2361.3	15021.10	0.00	15021.10	0
1/30/74	815	2361.3	15552.43	0.00	15552.44	0
1/30/74	1230	2361.1	17195.27	0.00	17195.26	0
1/30/74	1430	2361.0	17189.78	0.00	17189.79	0
1/30/74	1600	2361.0	17189.78	0.00	17189.79	0
1/30/74	1600	2361.0	17189.78	0.00	17189.79	0
1/31/74	800	2360.3	16092.79	0.00	16092.79	0
1/31/74	815	2360.3	17151.39	0.00	17151.40	0
1/31/74	1600	2360.0	17134.92	0.00	17134.92	0
2/ 1/74	800	2359.3	16021.53	0.00	16021.53	0
2/ 1/74	815	2359.3	17096.41	0.00	17096.41	0
2/ 1/74	1600	2359.0	17079.88	0.00	17079.88	0
2/ 2/74	800	2358.3	15929.78	0.00	15929.79	0
2/ 2/74	815	2358.3	17041.24	0.00	17041.24	0
2/ 3/74	800	2357.3	15727.67	0.00	15727.66	0
2/ 3/74	815	2357.3	16985.89	0.00	16985.89	0
2/ 4/74	800	2356.3	15796.03	0.00	15796.04	0
2/ 4/74	815	2356.3	16930.36	0.00	16930.36	0
2/ 4/74	1600	2356.0	16913.67	0.00	16913.67	0
2/ 5/74	800	2355.4	15600.83	0.00	15600.84	0
2/ 5/74	815	2355.4	16880.23	0.00	16880.23	0
2/ 5/74	1600	2355.0	16857.91	0.00	16857.90	0
2/ 6/74	800	2354.3	15592.75	0.00	15592.75	0
2/ 6/74	815	2354.3	17334.33	0.00	17334.34	0
2/ 6/74	1030	2354.2	17333.56	0.00	17333.56	0
2/ 6/74	1600	2354.0	17322.00	0.00	17321.99	0
2/ 7/74	800	2353.3	16059.92	0.00	16059.92	0
2/ 7/74	815	2353.3	17599.57	0.00	17599.56	0
2/ 7/74	1600	2353.0	17581.83	0.00	17581.83	0
2/ 8/74	800	2352.4	16604.60	0.00	16604.60	0
2/ 8/74	815	2352.4	17858.24	0.00	17858.30	0
2/ 9/74	800	2351.0	17281.09	0.00	17281.09	0
2/ 9/74	815	2351.0	18198.82	0.00	18198.81	0
2/10/74	800	2349.6	16869.57	0.00	16869.57	0
2/10/74	815	2349.6	18111.57	0.00	18111.57	0
2/11/74	800	2348.8	16833.26	0.00	16833.26	0
2/11/74	815	2348.8	18061.53	0.00	18061.53	0
2/11/74	1600	2348.4	18036.45	0.00	18036.45	0
2/12/74	800	2347.7	16799.61	0.00	16799.61	0
2/12/74	815	2347.7	17992.49	0.00	17992.49	0
2/12/74	1130	2347.5	12831.54	0.00	12831.54	0
2/12/74	1250	2347.5	15196.95	0.00	15196.95	0
2/12/74	1410	2347.4	15191.42	0.00	15191.42	0
2/12/74	1500	2347.4	15191.42	0.00	15191.42	0
2/12/74	1530	2347.4	18077.44	0.00	18077.44	0
2/12/74	1600	2347.3	18071.11	0.00	18071.11	0
2/13/74	800	2346.6	16694.24	0.00	16694.23	0
2/13/74	815	2346.6	18026.71	0.00	18026.71	0



TABLE 10. LIRPY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			TOTAL	PENSTOCK
			SLUICES	SPILLWAYS			
2/13/74	1315	2346.4	15136.04	0.00	15136.04	0	
2/13/74	1415	2346.3	15130.49	0.00	15130.49	0	
2/13/74	1430	2346.3	18007.65	0.00	18007.65	0	
2/13/74	1500	2346.3	18007.65	0.00	18007.65	0	
2/13/74	1600	2346.2	18001.30	0.00	18001.29	0	
2/14/74	800	2345.5	17137.80	0.00	17137.81	0	
2/14/74	815	2345.5	17956.72	0.00	17956.72	0	
2/14/74	1600	2345.1	17931.21	0.00	17931.21	0	
2/15/74	800	2344.3	17064.84	0.00	17064.84	0	
2/15/74	815	2344.3	18087.01	0.00	18087.00	0	
2/15/74	1110	2344.1	18285.20	0.00	18285.20	0	
2/15/74	1600	2343.9	18272.06	0.00	18272.07	0	
2/16/74	800	2343.1	17042.33	0.00	17042.34	0	
2/16/74	815	2342.0	18146.84	0.00	18146.84	0	
2/17/74	800	2241.8	8859.90	0.00	8859.91	0	
2/17/74	815	2242.8	9549.96	0.00	9549.96	0	
2/18/74	800	2340.6	16818.43	0.00	16818.43	0	
2/18/74	815	2340.6	18054.01	0.00	18054.02	0	
2/19/74	800	2339.5	16851.15	0.00	16851.15	0	
2/19/74	815	2339.5	17980.75	0.00	17980.75	0	
2/19/74	1600	2339.1	17954.03	0.00	17954.03	0	
2/20/74	800	2338.3	16824.44	0.00	16824.44	0	
2/20/74	815	2338.3	18418.62	0.00	18418.62	0	
2/21/74	800	2336.9	17156.26	0.00	17156.26	0	
2/21/74	815	2336.9	18321.65	0.00	18321.66	0	
2/22/74	815	2335.6	18231.16	0.00	18231.16	0	
2/22/74	1600	2335.2	18203.22	0.00	18203.22	0	
2/22/74	2359	2334.8	18175.24	0.00	18175.24	0	
2/23/74	800	2334.1	17113.22	0.00	17113.22	0	
2/23/74	815	2334.1	18329.26	0.00	18329.26	0	
2/23/74	2359	2333.6	18293.73	0.00	18293.72	0	
2/24/74	800	2333.1	17257.21	0.00	17257.21	0	
2/24/74	815	2333.1	18258.11	0.00	18258.11	0	
2/24/74	2359	2332.2	18193.83	0.00	18193.84	0	
2/25/74	800	2331.8	17060.10	0.00	17060.10	0	
2/25/74	815	2331.8	18165.20	0.00	18165.20	0	
2/25/74	1600	2331.3	18129.33	0.00	18129.33	0	
2/25/74	2359	2330.9	18100.59	0.00	18100.59	0	
2/26/74	800	2330.5	17041.45	0.00	17041.46	0	
2/26/74	815	2330.5	18071.80	0.00	18071.80	0	
2/26/74	1600	2330.0	18035.76	0.00	18035.75	0	
2/26/74	2359	2329.5	17999.64	0.00	17999.63	0	
2/27/74	800	2329.1	16703.22	0.00	16703.21	0	
2/27/74	815	2329.1	17970.69	0.00	17970.68	0	
2/27/74	1600	2328.9	17956.19	0.00	17956.19	0	
2/27/74	2359	2328.7	17941.69	0.00	17941.69	0	
2/28/74	800	2327.8	16732.98	0.00	16732.97	0	
2/28/74	815	2327.8	18079.16	0.00	18079.15	0	
2/28/74	2359	2326.9	18012.72	0.00	18012.72	0	
3/ 1/74	800	2326.5	16894.66	0.00	16894.66	0	
3/ 1/74	815	2326.5	17983.11	0.00	17983.11	0	
3/ 1/74	1600	2325.6	17916.31	0.00	17916.32	0	
3/ 1/74	2359	2324.7	17849.27	0.00	17849.27	0	
3/ 2/74	800	2324.3	16693.23	0.00	16693.23	0	
3/ 2/74	815	2324.3	17819.39	0.00	17819.39	0	
3/ 2/74	2359	2323.8	17781.98	0.00	17781.98	0	
3/ 3/74	800	2323.4	16611.73	0.00	16611.73	0	
3/ 3/74	815	2323.4	17751.98	0.00	17751.98	0	
3/ 3/74	2359	2322.9	17714.42	0.00	17714.42	0	
3/ 4/74	800	2322.5	16614.99	0.00	16614.99	0	
3/ 4/74	815	2322.5	17684.32	0.00	17684.32	0	
3/ 4/74	1600	2322.0	17646.61	0.00	17646.61	0	
3/ 4/74	2359	2321.6	17616.39	0.00	17616.39	0	
3/ 5/74	800	2321.2	16532.92	0.00	16532.92	0	
3/ 5/74	815	2321.2	17586.12	0.00	17586.12	0	
3/ 5/74	1400	2320.9	17757.24	0.00	17757.24	0	
3/ 5/74	1600	2320.8	17749.57	0.00	17749.57	0	
3/ 5/74	1700	2320.8	13407.82	0.00	13407.83	0	
3/ 5/74	2359	2320.5	13390.66	0.00	13390.66	0	
3/ 6/74	800	2320.1	13135.73	0.00	13135.74	0	
3/ 6/74	815	2320.1	13978.93	0.00	13978.92	0	
3/ 6/74	1600	2319.7	13954.86	0.00	13954.87	0	
3/ 6/74	2359	2319.4	13936.80	0.00	13936.80	0	
3/ 7/74	800	2319.0	13011.20	0.00	13011.20	0	
3/ 7/74	815	2319.0	15776.33	0.00	15776.33	0	
3/ 7/74	2400	2318.4	15734.90	0.00	15734.91	0	
3/ 8/74	800	2318.0	13539.50	0.00	13539.49	0	
3/ 8/74	815	2318.0	14381.58	0.00	14381.58	0	
3/ 8/74	2400	2317.3	14337.35	0.00	14337.35	0	
3/ 9/74	800	2316.8	13476.24	0.00	13476.24	0	
3/ 9/74	815	2316.8	14750.78	0.00	14750.78	0	
3/ 9/74	2400	2316.1	14704.88	0.00	14704.87	0	
3/10/74	800	2315.7	13797.26	0.00	13797.26	0	
3/10/74	815	2315.7	14504.61	0.00	14504.61	0	
3/10/74	2400	2315.0	14459.05	0.00	14459.05	0	
3/11/74	800	2314.6	13412.67	0.00	13412.67	0	
3/11/74	815	2314.6	14432.94	0.00	14432.94	0	
3/11/74	2400	2313.9	14387.15	0.00	14387.15	0	
3/12/74	800	2313.5	13405.51	0.00	13405.51	0	
3/12/74	815	2313.5	14533.07	0.00	14533.07	0	
3/12/74	2400	2312.7	14479.80	0.00	14479.79	0	
3/13/74	800	2312.3	13433.23	0.00	13433.23	0	
3/13/74	815	2312.3	14453.08	0.00	14453.08	0	
3/13/74	2400	2311.6	14406.22	0.00	14406.22	0	
3/14/74	800	2311.2	13331.35	0.00	13331.35	0	
3/14/74	815	2311.2	14379.38	0.00	14379.38	0	
3/14/74	2400	2310.5	14332.27	0.00	14332.27	0	
3/15/74	800	2310.5	13923.26	0.00	13923.26	0	
3/15/74	815	2310.5	12975.09	0.00	12975.09	0	
3/15/74	2400	2309.5	12914.25	0.00	12914.25	0	

TABLE 10. LITBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
3/16/74	800	2309.0	12165.50	0.00	12165.50	0
3/16/74	815	2309.0	12883.73	0.00	12883.72	0
3/16/74	2400	2308.5	12853.12	0.00	12853.12	0
3/17/74	800	2308.1	11755.70	0.00	11755.70	0
3/17/74	2400	2307.5	12791.70	0.00	12791.70	0
3/18/74	800	2307.1	11931.84	0.00	11931.84	0
3/18/74	815	2307.1	12928.32	0.00	12928.32	0
3/18/74	1430	2306.9	12915.81	0.00	12915.81	0
3/18/74	1545	2306.9	11595.63	0.00	11595.63	0
3/18/74	2400	2306.7	11584.47	0.00	11584.47	0
3/19/74	800	2306.4	11141.04	0.00	11141.04	0
3/19/74	815	2306.4	9667.69	0.00	9667.69	0
3/19/74	915	2306.4	7721.18	0.00	7721.18	0
3/19/74	1115	2306.3	7564.04	0.00	7564.05	0
3/19/74	2400	2306.1	7556.91	0.00	7556.91	0
3/20/74	800	2306.0	7104.21	0.00	7104.21	0
3/20/74	815	2306.0	7145.03	0.00	7145.03	0
3/20/74	2400	2305.8	7138.28	0.00	7138.28	0
3/21/74	800	2305.7	6702.07	0.00	6702.07	0
3/21/74	815	2305.7	7134.91	0.00	7134.91	0
3/21/74	1500	2305.7	4766.47	0.00	4766.47	0
3/21/74	2400	2305.6	4764.18	0.00	4764.18	0
3/22/74	800	2305.5	4618.96	0.00	4618.96	0
3/22/74	815	2305.5	3640.39	0.00	3640.39	0
3/22/74	1600	2305.5	4200.70	0.00	4200.70	0
3/22/74	2400	2305.5	4200.70	0.00	4200.70	0
3/23/74	800	2305.5	4098.76	0.00	4098.76	0
3/23/74	815	2305.5	4200.70	0.00	4200.70	0
3/23/74	2400	2305.4	4198.70	0.00	4198.70	0
3/24/74	800	2305.4	4096.81	0.00	4096.81	0
3/24/74	815	2305.4	4198.70	0.00	4198.70	0
3/24/74	2400	2305.4	4198.70	0.00	4198.70	0
3/25/74	800	2305.4	4061.15	0.00	4061.15	0
3/25/74	815	2305.4	4147.75	0.00	4147.75	0
3/25/74	2400	2305.4	4147.75	0.00	4147.75	0
3/26/74	800	2305.3	4003.22	0.00	4003.22	0
3/26/74	815	2305.3	4094.85	0.00	4094.85	0
3/26/74	2400	2305.3	4094.85	0.00	4094.85	0
3/27/74	800	2305.3	3926.88	0.00	3926.88	0
3/27/74	815	2305.3	4094.85	0.00	4094.85	0
3/27/74	2400	2305.4	4096.81	0.00	4096.81	0
3/28/74	800	2305.4	3933.84	0.00	3933.84	0
3/28/74	815	2305.4	4198.70	0.00	4198.70	0
3/28/74	2400	2305.5	4200.70	0.00	4200.70	0
3/29/74	800	2305.5	4037.61	0.00	4037.61	0
3/29/74	815	2305.5	4353.67	0.00	4353.67	0
3/29/74	2400	2305.7	4357.84	0.00	4357.84	0
3/30/74	800	2305.7	4424.21	0.00	4424.21	0
3/30/74	815	2305.7	4511.02	0.00	4511.02	0
3/30/74	2400	2305.8	4513.18	0.00	4513.18	0
3/31/74	800	2305.8	4385.46	0.00	4385.46	0
3/31/74	815	2305.8	4513.18	0.00	4513.18	0
3/31/74	2400	2306.0	4517.50	0.00	4517.50	0
4/ 1/74	800	2306.0	4389.64	0.00	4389.64	0
4/ 1/74	815	2306.0	4670.98	0.00	4670.98	0
4/ 1/74	2400	2306.1	4673.21	0.00	4673.21	0
4/ 2/74	800	2306.1	4555.48	0.00	4555.48	0
4/ 2/74	815	2306.1	7301.46	0.00	7301.46	0
4/ 2/74	2400	2306.0	7293.02	0.00	7298.02	0
4/ 3/74	800	2305.9	6703.39	0.00	6703.39	0
4/ 3/74	815	2305.9	6835.80	0.00	6835.79	0
4/ 3/74	2400	2305.8	6832.57	0.00	6832.57	0
4/ 4/74	800	2305.8	6297.99	0.00	6297.99	0
4/ 4/74	815	2305.8	6985.45	0.00	6985.45	0
4/ 4/74	2400	2305.7	6982.15	0.00	6982.15	0
4/ 5/74	800	2305.6	6419.17	0.00	6419.16	0
4/ 5/74	815	2305.6	7080.62	0.00	7080.61	0
4/ 5/74	1245	2305.6	6368.39	0.00	6368.39	0
4/ 5/74	2400	2305.4	6362.39	0.00	6362.39	0
4/ 6/74	800	2305.4	5895.15	0.00	5895.16	0
4/ 6/74	815	2305.4	6362.39	0.00	6362.39	0
4/ 6/74	930	2305.4	5854.56	0.00	5854.55	0
4/ 6/74	2400	2305.4	5854.56	0.00	5854.55	0
4/ 7/74	800	2305.4	5261.10	0.00	5261.10	0
4/ 7/74	815	2305.4	5854.56	0.00	5854.55	0
4/ 7/74	2400	2305.4	5854.56	0.00	5854.55	0
4/ 8/74	800	2305.4	5276.31	0.00	5276.31	0
4/ 8/74	815	2305.4	5347.30	0.00	5347.30	0
4/ 8/74	1030	2305.4	5702.33	0.00	5702.33	0
4/ 8/74	2400	2305.5	5705.00	0.00	5705.00	0
4/ 9/74	800	2305.5	5207.70	0.00	5207.70	0
4/ 9/74	815	2305.5	5806.58	0.00	5806.58	0
4/ 9/74	2400	2305.5	5806.58	0.00	5806.58	0
4/10/74	800	2305.6	5215.21	0.00	5215.20	0
4/10/74	815	2305.6	5809.30	0.00	5809.31	0
4/10/74	930	2305.6	7335.20	0.00	7335.21	0
4/10/74	1245	2305.6	7641.01	0.00	7641.01	0
4/10/74	2400	2305.5	7637.38	0.00	7637.38	0
4/11/74	800	2305.5	7006.03	0.00	7006.03	0
4/11/74	815	2305.5	7484.52	0.00	7484.52	0
4/11/74	2400	2305.5	7484.52	0.00	7484.52	0
4/12/74	800	2305.5	6817.79	0.00	6817.80	0
4/12/74	815	2305.5	7688.19	0.00	7688.19	0
4/12/74	2400	2305.6	7691.85	0.00	7691.85	0
4/13/74	800	2305.6	7024.59	0.00	7024.59	0
4/13/74	815	2305.6	7793.83	0.00	7793.83	0
4/13/74	2400	2305.6	7793.83	0.00	7793.83	0
4/14/74	800	2305.7	7129.78	0.00	7129.78	0
4/14/74	815	2305.7	7848.56	0.00	7848.56	0
4/14/74	2400	2305.7	7848.56	0.00	7848.56	0

TABLE 10. LIRRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLICES	SPILLWAYS	TOTAL	PENSTOCK
4/15/74	800	2305.7	7165.44	0.00	7165.44	0
4/15/74	815	2305.7	7848.56	0.00	7848.56	0
4/15/74	1515	2305.8	8822.18	0.00	8822.17	0
4/15/74	2400	2305.8	8822.18	0.00	8822.17	0
4/16/74	800	2305.8	8418.54	0.00	8418.55	0
4/16/74	815	2305.8	9230.89	0.00	9230.89	0
4/16/74	1615	2305.8	10970.46	0.00	10970.47	0
4/16/74	2400	2305.8	10970.46	0.00	10970.47	0
4/17/74	800	2305.7	10381.80	0.00	10381.80	0
4/17/74	815	2305.7	12435.42	0.00	12435.43	0
4/17/74	1030	2305.7	12092.06	0.00	12092.06	0
4/17/74	2400	2305.6	12086.15	0.00	12086.15	0
4/18/74	800	2305.5	11338.20	0.00	11338.20	0
4/18/74	815	2305.5	12080.24	0.00	12080.24	0
4/18/74	1100	2305.5	11824.29	0.00	11824.29	0
4/18/74	2400	2305.4	11818.51	0.00	11818.51	0
4/19/74	800	2305.4	11148.59	0.00	11148.59	0
4/19/74	815	2305.4	11307.06	0.00	11307.06	0
4/19/74	2400	2305.4	11307.06	0.00	11307.06	0
4/20/74	800	2305.4	10581.44	0.00	10581.44	0
4/20/74	815	2305.4	11460.46	0.00	11460.46	0
4/20/74	2400	2305.5	11466.04	0.00	11466.05	0
4/21/74	800	2305.5	11466.04	0.00	11466.05	0
4/21/74	815	2305.5	10254.19	0.00	10254.18	0
4/21/74	2400	2305.6	10259.14	0.00	10259.14	0
4/22/74	800	2305.6	11277.13	0.00	11277.12	0
4/22/74	815	2305.6	11471.64	0.00	11471.63	0
4/23/74	1245	2305.7	11938.33	0.00	11938.32	0
4/24/74	800	2305.7	11216.07	0.00	11216.06	0
4/24/74	815	2305.7	11682.12	0.00	11682.12	0
4/24/74	2400	2305.9	11693.50	0.00	11693.50	0
4/25/74	800	2306.1	11941.05	0.00	11941.05	0
4/25/74	815	2306.1	13359.34	0.00	13359.34	0
4/25/74	2400	2306.4	13378.93	0.00	13378.93	0
4/26/74	800	2306.7	16228.54	0.00	16228.54	0
4/26/74	815	2306.7	17464.25	0.00	17464.25	0
4/26/74	2400	2307.1	17498.74	0.00	17498.73	0
4/27/74	800	2307.4	17524.54	0.00	17524.55	0
4/27/74	820	2307.4	18747.06	0.00	18747.06	0
4/27/74	1200	2307.4	25725.96	0.00	25725.95	0
4/27/74	2400	2307.6	25751.16	0.00	25751.15	0
4/28/74	800	2307.6	24477.41	0.00	24477.41	0
4/28/74	815	2307.6	25751.16	0.00	25751.15	0
4/28/74	2400	2307.6	25751.16	0.00	25751.15	0
4/29/74	800	2307.6	23911.29	0.00	23911.29	0
4/29/74	815	2307.6	26125.46	0.00	26125.45	0
4/29/74	2400	2307.4	26099.86	0.00	26099.86	0
4/30/74	800	2307.3	24168.18	0.00	24168.18	0
4/30/74	815	2307.3	26748.85	0.00	26748.86	0
4/30/74	2400	2307.1	26722.55	0.00	26722.54	0
5/ 1/74	800	2307.0	24603.93	0.00	24603.93	0
5/ 1/74	815	2307.0	26897.27	0.00	26897.27	0
5/ 1/74	2400	2307.0	26897.27	0.00	26897.27	0
5/ 2/74	800	2307.0	24613.29	0.00	24613.29	0
5/ 2/74	815	2307.0	26709.37	0.00	26709.37	0
5/ 2/74	2400	2307.0	26709.37	0.00	26709.37	0
5/ 3/74	800	2307.0	24926.03	0.00	24926.03	0
5/ 3/74	815	2307.0	26235.18	0.00	26235.17	0
5/ 3/74	2400	2307.0	26235.18	0.00	26235.17	0
5/ 4/74	800	2307.0	22061.61	0.00	22061.60	0
5/ 4/74	815	2307.0	23135.11	0.00	23135.12	0
5/ 4/74	2400	2306.9	23123.80	0.00	23123.80	0
5/ 5/74	800	2306.9	21169.29	0.00	21169.30	0
5/ 5/74	815	2306.9	20702.02	0.00	20702.02	0
5/ 5/74	2400	2307.1	20722.13	0.00	20722.14	0
5/ 6/74	800	2307.3	19135.52	0.00	19135.52	0
5/ 6/74	815	2307.4	20921.16	0.00	20921.15	0
5/ 6/74	2400	2307.9	20971.71	0.00	20971.72	0
5/ 7/74	800	2308.5	17662.04	0.00	17662.04	0
5/ 7/74	815	2308.5	16981.14	0.00	16981.13	0
5/ 7/74	2400	2309.9	17093.10	0.00	17093.11	0
5/ 8/74	800	2310.9	10907.28	0.00	10907.28	0
5/ 8/74	815	2311.0	11190.82	0.00	11190.82	0
5/ 8/74	2400	2313.0	11293.52	0.00	11293.52	0
5/ 9/74	800	2314.3	11049.90	0.00	11049.91	0
5/ 9/74	815	2314.3	10825.71	0.00	10825.71	0
5/ 9/74	2400	2316.5	10931.41	0.00	10931.41	0
5/10/74	800	2317.6	10285.02	0.00	10285.02	0
5/10/74	815	2317.6	10983.88	0.00	10983.87	0
5/10/74	2400	2319.3	11064.47	0.00	11064.47	0
5/11/74	800	2320.2	10027.31	0.00	10027.31	0
5/11/74	815	2320.2	10558.62	0.00	10558.62	0
5/11/74	2400	2321.5	10616.44	0.00	10616.44	0
5/12/74	800	2322.3	10049.36	0.00	10049.36	0
5/12/74	815	2322.3	10651.87	0.00	10651.87	0
5/12/74	2400	2323.4	10700.40	0.00	10700.39	0
5/13/74	800	2324.0	10103.09	0.00	10103.09	0
5/13/74	815	2324.0	10225.46	0.00	10225.46	0
5/13/74	2400	2324.0	10262.96	0.00	10262.96	0
5/14/74	800	2325.4	9970.33	0.00	9970.33	0
5/14/74	815	2325.4	10563.87	0.00	10563.88	0
5/14/74	1330	2325.6	15438.03	0.00	15438.04	0
5/14/74	2400	2325.9	15456.69	0.00	15456.69	0
5/15/74	800	2326.2	14398.26	0.00	14398.25	0
5/15/74	815	2326.2	15475.32	0.00	15475.32	0
5/15/74	2400	2326.6	15500.13	0.00	15500.12	0
5/16/74	800	2326.8	14511.27	0.00	14511.27	0
5/16/74	815	2326.8	15512.52	0.00	15512.51	0
5/16/74	2400	2327.1	15531.06	0.00	15531.07	0
5/17/74	800	2327.3	14799.06	0.00	14799.06	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
5/17/74	815	2327.3	15543.42	0.00	15543.43	0
5/17/74	2400	2327.5	15555.78	0.00	15555.78	0
5/18/74	800	2327.6	14839.23	0.00	14839.23	0
5/18/74	815	2327.6	15561.96	0.00	15561.96	0
5/18/74	2400	2327.7	15568.11	0.00	15568.12	0
5/19/74	800	2327.8	14794.51	0.00	14794.51	0
5/19/74	815	2327.8	15574.29	0.00	15574.29	0
5/19/74	2400	2327.9	15580.44	0.00	15580.45	0
5/20/74	800	2328.0	14777.97	0.00	14777.96	0
5/20/74	815	2328.0	15586.62	0.00	15586.62	0
5/20/74	2400	2328.2	15598.92	0.00	15598.93	0
5/21/74	800	2328.2	14767.02	0.00	14767.02	0
5/21/74	815	2328.2	15598.92	0.00	15598.93	0
5/21/74	2400	2328.3	15605.10	0.00	15605.09	0
5/22/74	800	2328.3	14693.63	0.00	14693.64	0
5/22/74	815	2328.3	15605.10	0.00	15605.09	0
5/22/74	2400	2328.5	15617.40	0.00	15617.39	0
5/23/74	800	2328.6	14705.32	0.00	14705.32	0
5/23/74	815	2328.6	15623.55	0.00	15623.54	0
5/23/74	2400	2329.0	15648.12	0.00	15648.11	0
5/24/74	800	2329.2	14739.88	0.00	14739.88	0
5/24/74	815	2329.2	15660.39	0.00	15660.38	0
5/24/74	2400	2329.8	15697.14	0.00	15697.13	0
5/25/74	800	2330.0	14928.21	0.00	14928.20	0
5/26/74	800	2331.2	14906.03	0.00	14906.02	0
5/26/74	815	2331.2	15782.55	0.00	15782.54	0
5/26/74	2400	2332.4	15855.39	0.00	15855.39	0
5/27/74	800	2333.1	14916.51	0.00	14916.51	0
5/27/74	815	2333.1	16013.35	0.00	16013.36	0
5/27/74	2400	2336.0	16188.92	0.00	16188.91	0
5/28/74	800	2336.2	14856.51	0.00	14856.50	0
5/28/74	815	2336.2	16200.95	0.00	16200.95	0
5/28/74	2400	2338.1	16314.85	0.00	16314.86	0
5/29/74	800	2339.0	15334.77	0.00	15334.77	0
5/29/74	815	2339.0	13920.52	0.00	13920.53	0
5/29/74	2400	2340.4	13992.16	0.00	13992.17	0
5/30/74	800	2341.4	15241.05	0.00	15241.05	0
5/30/74	815	2341.4	16152.93	0.00	16152.93	0
5/30/74	2400	2342.7	16227.76	0.00	16227.76	0
5/31/74	800	2343.4	15265.24	0.00	15265.23	0
5/31/74	815	2343.4	15487.13	0.00	15487.13	0
5/31/74	2400	2344.5	15546.87	0.00	15546.88	0
6/ 1/74	800	2345.1	14686.51	0.00	14686.51	0
6/ 1/74	815	2345.1	15579.37	0.00	15579.37	0
6/ 1/74	2400	2346.1	15633.38	0.00	15633.38	0
6/ 2/74	800	2346.6	14520.26	0.00	14520.26	0
6/ 2/74	815	2346.6	15660.30	0.00	15660.31	0
6/ 2/74	2400	2347.5	15708.69	0.00	15708.68	0
6/ 3/74	800	2348.5	14498.81	0.00	14498.80	0
6/ 3/74	815	2348.5	15762.24	0.00	15762.24	0
6/ 3/74	2400	2350.1	15847.56	0.00	15847.57	0
6/ 4/74	800	2351.0	14700.79	0.00	14700.78	0
6/ 4/74	815	2351.0	15895.37	0.00	15895.36	0
6/ 4/74	2400	2353.0	16001.06	0.00	16001.06	0
6/ 5/74	800	2354.0	14921.24	0.00	14921.23	0
6/ 5/74	815	2354.1	16058.90	0.00	16058.90	0
6/ 5/74	2400	2355.8	16147.88	0.00	16147.88	0
6/ 6/74	800	2356.9	15155.82	0.00	15155.82	0
6/ 6/74	815	2356.9	16205.20	0.00	16205.20	0
6/ 6/74	2400	2358.2	16272.68	0.00	16272.67	0
6/ 7/74	800	2359.2	15273.31	0.00	15273.32	0
6/ 7/74	815	2359.3	15949.47	0.00	15949.47	0
6/ 7/74	2400	2360.5	16009.80	0.00	16009.80	0
6/ 8/74	800	2361.1	15046.25	0.00	15046.25	0
6/ 8/74	815	2361.2	16044.89	0.00	16044.89	0
6/ 8/74	2400	2362.3	16099.88	0.00	16099.88	0
6/ 9/74	800	2362.9	15085.63	0.00	15085.62	0
6/ 9/74	815	2362.9	16129.79	0.00	16129.79	0
6/ 9/74	2400	2364.0	16184.49	0.00	16184.49	0
6/10/74	800	2364.9	5052.95	0.00	5052.95	0
6/10/74	815	2364.9	5052.95	0.00	5052.95	0
6/10/74	2400	2366.2	5072.90	0.00	5072.90	0
6/11/74	800	2366.8	14857.87	0.00	14857.87	0
6/11/74	815	2366.8	16063.61	0.00	16063.61	0
6/11/74	2400	2368.1	16126.43	0.00	16126.43	0
6/12/74	800	2369.0	14506.43	0.00	14506.43	0
6/12/74	815	2369.0	16104.32	0.00	16104.31	0
6/12/74	2400	2370.9	16195.06	0.00	16195.05	0
6/13/74	800	2372.1	13813.32	0.00	13813.32	0
6/13/74	815	2372.1	16252.09	0.00	16252.10	0
6/13/74	2400	2374.7	16375.02	0.00	16375.02	0
6/14/74	800	2376.2	14613.31	0.00	14613.30	0
6/14/74	815	2376.2	16445.52	0.00	16445.52	0
6/14/74	2400	2379.1	16580.96	0.00	16580.97	0
6/15/74	800	2380.6	14902.57	0.00	14902.58	0
6/15/74	815	2380.7	16114.80	0.00	16114.80	0
6/15/74	2400	2383.9	16257.39	0.00	16257.40	0
6/16/74	800	2385.4	14601.58	0.00	14601.58	0
6/16/74	815	2385.4	16323.82	0.00	16323.81	0
6/16/74	2400	2389.0	16482.11	0.00	16482.12	0
6/17/74	800	2390.7	14732.87	0.00	14732.87	0
6/17/74	815	2390.7	16556.34	0.00	16556.35	0
6/17/74	1300	2391.8	15977.78	0.00	15977.78	0
6/17/74	2400	2394.5	16090.13	0.00	16090.13	0
6/18/74	800	2396.1	14456.11	0.00	14456.12	0
6/18/74	815	2396.2	16160.47	0.00	16160.47	0
6/18/74	2400	2399.8	16308.42	0.00	16308.41	0
6/19/74	800	2401.7	14533.03	0.00	14533.03	0
6/19/74	815	2401.8	15961.84	0.00	15961.84	0
6/19/74	2400	2405.4	16103.82	0.00	16103.82	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
6/20/74	800	2407.0	14477.73	0.00	14477.72	0
6/20/74	815	2407.1	16170.44	0.00	16170.44	0
6/20/74	2400	2410.1	16287.32	0.00	16287.33	0
6/21/74	800	2412.0	14673.22	0.00	14673.22	0
6/21/74	815	2412.1	16072.66	0.00	16072.66	0
6/21/74	2400	2415.1	16186.06	0.00	16186.06	0
6/22/74	800	2416.5	14665.94	0.00	14665.93	0
6/22/74	815	2416.5	16090.44	0.00	16090.44	0
6/22/74	2400	2419.3	16194.26	0.00	16194.25	0
6/23/74	800	2420.7	14569.42	0.00	14569.42	0
6/23/74	800	2420.7	15798.48	0.00	15798.48	0
6/23/74	2400	2424.0	15916.18	0.00	15916.19	0
6/24/74	800	2424.6	14015.57	0.00	14015.57	0
6/24/74	815	2424.7	15941.05	0.00	15941.04	0
6/24/74	2400	2427.0	16022.44	0.00	16022.44	0
6/25/74	800	2428.3	14273.67	0.00	14273.67	0
6/25/74	815	2428.3	19569.59	0.00	19569.60	0
6/25/74	2400	2430.4	19659.84	0.00	19659.84	0
6/26/74	800	2431.4	17852.51	0.00	17852.51	0
6/26/74	815	2431.5	24116.32	0.00	24116.32	0
6/26/74	2400	2433.5	24221.37	0.00	24221.37	0
6/27/74	800	2434.4	22785.81	0.00	22785.81	0
6/27/74	815	2434.4	29840.91	0.00	29840.90	0
6/27/74	2400	2435.7	29924.91	0.00	29924.92	0
6/28/74	800	2436.5	23216.68	0.00	23216.68	0
6/28/74	805	2436.5	24378.10	0.00	24378.11	0
6/28/74	2400	2437.7	24440.52	0.00	24440.52	0
6/29/74	800	2437.7	23048.75	0.00	23048.75	0
6/29/74	815	2437.7	24440.52	0.00	24440.52	0
6/29/74	2400	2438.3	24471.68	0.00	24471.67	0
6/30/74	800	2438.4	22996.70	0.00	22996.70	0
6/30/74	815	2438.4	24476.86	0.00	24476.86	0
6/30/74	2400	2438.8	24497.59	0.00	24497.60	0
7/ 1/74	800	2439.0	24507.96	0.00	24507.96	0
7/ 1/74	2400	2439.4	24528.67	0.00	24528.67	0
7/ 2/74	800	2439.6	0.00	0.00	0.00	0
7/ 2/74	815	2439.6	11744.96	0.00	11744.95	0
7/ 2/74	2400	2440.1	11757.13	0.00	11757.13	0
7/ 3/74	800	2440.3	10217.03	0.00	10217.03	0
7/ 3/74	815	2440.3	11762.00	0.00	11762.00	0
7/ 3/74	2400	2440.9	11776.58	0.00	11776.59	0
7/ 4/74	800	2441.0	10208.73	0.00	10208.72	0
7/ 4/74	815	2441.0	11779.03	0.00	11779.02	0
7/ 4/74	2400	2441.6	11793.59	0.00	11793.59	0
7/ 5/74	800	2441.8	10348.66	0.00	10348.67	0
7/ 5/74	815	2441.8	11798.45	0.00	11798.45	0
7/ 5/74	2400	2442.6	11817.85	0.00	11817.84	0
7/ 6/74	800	2443.0	10559.33	0.00	10559.34	0
7/ 6/74	805	2443.0	11827.53	0.00	11827.52	0
7/ 6/74	2400	2443.7	11844.45	0.00	11844.45	0
7/ 7/74	800	2444.1	10490.20	0.00	10490.19	0
7/ 7/74	805	2444.1	11854.10	0.00	11854.11	0
7/ 7/74	2400	2444.9	11873.40	0.00	11873.41	0
7/ 8/74	800	2445.1	10511.50	0.00	10511.50	0
7/ 8/74	815	2445.1	16176.96	0.00	16176.95	0
7/ 8/74	2400	2445.7	16196.72	0.00	16196.73	0
7/ 9/74	800	2445.9	16179.26	0.00	16179.27	0
7/ 9/74	815	2446.0	18257.88	0.00	18257.88	0
7/ 9/74	2400	2446.4	18272.74	0.00	18272.75	0
7/10/74	800	2446.7	16331.67	0.00	16331.67	0
7/10/74	815	2446.7	17177.92	0.00	17177.92	0
7/10/74	2400	2447.2	17195.33	0.00	17195.33	0
7/11/74	800	2447.5	15310.18	0.00	15310.18	0
7/11/74	815	2447.6	16734.74	0.00	16734.75	0
7/11/74	2400	2448.1	16751.65	0.00	16751.64	0
7/12/74	800	2448.6	15391.09	0.00	15391.10	0
7/12/74	815	2448.6	15659.72	0.00	15659.71	0
7/12/74	2400	2449.2	15678.58	0.00	15678.58	0
7/13/74	800	2449.5	14336.05	0.00	14336.06	0
7/13/74	815	2449.6	20707.79	0.00	20707.78	0
7/13/74	2400	2449.9	20720.28	0.00	20720.28	0
7/14/74	800	2450.1	19119.09	0.00	19119.10	0
7/14/74	815	2450.1	16182.89	0.00	16182.89	0
7/14/74	2400	2450.5	16195.83	0.00	16195.82	0
7/15/74	800	2450.7	14402.06	0.00	14402.07	0
7/15/74	815	2450.7	9955.53	0.00	9955.53	0
7/15/74	2400	2451.2	9965.44	0.00	9965.43	0
7/16/74	800	2451.4	14945.21	0.00	14945.22	0
7/16/74	815	2451.4	10762.91	0.00	10762.90	0
7/16/74	2400	2452.1	10777.86	0.00	10777.87	0
7/17/74	800	2452.5	9585.61	0.00	9585.82	0
7/17/74	815	2452.5	5154.27	0.00	5154.27	0
7/17/74	2400	2453.3	5162.42	0.00	5162.42	0
7/18/74	800	2453.7	4863.70	0.00	4863.70	0
7/18/74	815	2453.7	5166.48	0.00	5166.48	0
7/18/74	2400	2454.4	5173.60	0.00	5173.60	0
7/19/74	800	2454.9	4851.23	0.00	4851.23	0
7/19/74	815	2454.9	5178.67	0.00	5178.67	0
7/19/74	2400	2455.5	5184.75	0.00	5184.75	0
7/20/74	800	2455.9	4868.70	0.00	4868.70	0
7/20/74	815	2455.9	5188.80	0.00	5188.80	0
7/21/74	800	2457.1	4840.02	0.00	4840.02	0
7/21/74	815	2457.2	10484.51	0.00	10484.51	0
7/21/74	2400	2457.5	10490.61	0.00	10490.61	0
7/22/74	800	2458.1	9009.58	0.00	9009.57	0
7/22/74	815	2458.1	11308.79	0.00	11308.79	0
7/22/74	1515	2458.2	19336.56	0.00	19336.56	0
7/22/74	2400	2458.4	19344.15	0.00	19344.15	0
7/23/74	800	2458.6	18341.64	0.00	18341.64	0
7/23/74	815	2458.6	20297.68	0.00	20297.67	0

TABLE 10. LIPPY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
7/23/74	2400	2458.6	20297.66	0.00	20297.67	0
7/24/74	800	2458.7	22008.09	0.00	22008.09	0
7/24/74	815	2458.7	22047.77	0.00	22047.77	0
7/24/74	1800	2458.8	0.00	0.00	0.00	0
7/25/74	800	2459.0	0.00	0.00	0.00	0
7/26/74	800	2459.0	0.00	0.00	0.00	0
7/27/74	800	2458.8	0.00	0.00	0.00	0
7/27/74	1700	2458.8	13814.89	25743.12	39558.01	0
7/28/74	800	2458.9	0.00	24627.24	24627.23	0
7/29/74	800	2458.8	0.00	16275.60	16275.60	0
7/29/74	1330	2458.9	9470.06	14392.57	23862.63	0
7/30/74	600	2459.1	9556.71	0.00	9556.71	0
7/30/74	800	2459.1	0.00	0.00	0.00	0
7/31/74	1510	2459.0	9526.21	0.00	9526.21	0
7/31/74	1515	2459.0	8810.02	0.00	8810.02	0
7/31/74	1545	2459.0	10370.55	0.00	10370.54	0
7/31/74	1580	2459.0	8810.02	0.00	8810.02	0
7/31/74	1600	2459.0	11949.72	0.00	11949.72	0
7/31/74	1605	2459.0	8810.02	0.00	8810.02	0
7/31/74	1630	2459.0	12746.22	0.00	12746.22	0
7/31/74	1645	2459.0	8810.02	0.00	8810.02	0
7/31/74	1700	2459.0	14352.90	0.00	14352.89	0
7/31/74	1715	2459.0	8810.02	0.00	8810.02	0
7/31/74	1730	2459.0	15163.00	0.00	15163.00	0
7/31/74	1750	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	800	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1055	2459.0	11157.82	0.00	11157.82	0
8/ 1/74	1105	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1115	2459.0	13547.29	0.00	13547.29	0
8/ 1/74	1430	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1500	2459.0	15977.59	0.00	15977.58	0
8/ 1/74	1610	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1720	2459.0	16796.61	0.00	16796.60	0
8/ 1/74	1750	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1800	2459.0	17620.04	0.00	17620.03	0
8/ 1/74	1840	2459.0	8810.02	0.00	8810.02	0
8/ 1/74	1900	2459.0	18447.84	0.00	18447.84	0
8/ 1/74	1930	2459.0	0.00	0.00	0.00	0
8/ 2/74	600	2459.0	19764.68	0.00	19764.68	0
8/ 2/74	900	2459.0	8810.02	0.00	8810.02	0
8/ 2/74	1030	2458.9	21154.82	0.00	21154.82	0
8/ 2/74	1100	2458.9	8808.30	0.00	8808.30	0
8/ 2/74	1105	2458.9	22625.91	0.00	22625.91	0
8/ 2/74	1150	2458.9	24173.75	0.00	24173.74	0
8/ 2/74	1205	2458.9	24976.33	0.00	24976.33	0
8/ 2/74	1210	2458.9	29254.73	0.00	29254.73	0
8/ 2/74	1220	2458.9	8808.30	0.00	8808.30	0
8/ 2/74	1800	2458.8	0.00	0.00	0.00	0
8/ 3/74	1000	2458.6	16158.42	0.00	16158.42	0
8/ 3/74	1200	2458.5	0.00	0.00	0.00	0
8/ 8/74	2400	2458.7	0.00	11804.98	11804.98	0
8/ 9/74	1000	2458.6	0.00	16945.76	16945.76	0
8/ 9/74	1300	2458.6	0.00	14525.52	14525.52	0
8/12/74	800	2458.7	0.00	12442.89	12442.89	0
8/14/74	1600	2458.9	0.00	13202.02	13202.03	0
8/15/74	1000	2459.0	0.00	12539.50	12539.49	0
8/19/74	900	2459.0	0.00	12474.54	12474.54	0
8/21/74	900	2458.9	0.00	11825.04	11825.05	0
8/29/74	900	2459.0	0.00	11501.44	11501.44	0
8/31/74	900	2459.0	0.00	10981.16	10981.15	0
9/ 3/74	800	2459.0	0.00	13551.76	13551.76	0
9/ 3/74	900	2459.0	0.00	17002.58	17002.58	0
9/ 3/74	1000	2459.0	0.00	20574.24	20574.23	0
9/ 3/74	1400	2459.0	0.00	20211.52	20211.52	0
9/ 5/74	2400	2458.2	0.00	20437.82	20437.83	0
9/ 7/74	900	2457.2	0.00	16055.78	16055.78	0
9/ 7/74	1400	2457.2	0.00	12347.44	12347.43	0
9/ 7/74	1500	2457.2	0.00	12129.12	12129.13	0
9/ 8/74	800	2457.1	0.00	9086.18	9086.15	0
9/ 9/74	800	2457.1	0.00	9445.82	9445.82	0
9/ 9/74	1000	2457.1	0.00	9293.36	9293.37	0
9/15/74	800	2457.6	0.00	7754.48	7754.48	0
9/15/74	1700	2457.6	0.00	5546.07	5546.06	0
9/15/74	1800	2457.6	0.00	5724.50	5724.49	0
9/16/74	900	2457.8	0.00	6069.76	6069.75	0
9/16/74	1830	2457.8	0.00	7768.06	7768.06	0
9/16/74	1900	2457.8	0.00	9350.46	9350.46	0
9/22/74	700	2458.0	0.00	10887.62	10887.63	0
9/22/74	800	2458.0	0.00	12766.66	12766.67	0
9/23/74	800	2457.7	0.00	15095.12	15095.12	0
9/23/74	900	2457.7	0.00	18216.52	18216.52	0
9/24/74	1000	2457.3	0.00	23191.22	23191.21	0
9/25/74	1300	2456.7	0.00	17364.79	17364.79	0
9/25/74	1500	2456.7	0.00	23073.60	23073.61	0
9/25/74	1700	2456.7	0.00	23809.74	23809.74	0
9/27/74	1300	2455.3	0.00	17153.08	17153.08	0
9/27/74	1600	2454.7	0.00	24130.94	24130.93	0
9/30/74	1600	2453.5	0.00	16876.96	16876.97	0
10/ 1/74	600	2452.9	0.00	11665.80	11665.79	0
10/ 1/74	700	2452.9	0.00	8539.10	8539.09	0
10/ 1/74	800	2452.9	0.00	10397.56	10397.56	0
10/ 1/74	1120	2452.9	0.00	8113.88	8113.89	0
10/ 1/74	1150	2452.9	0.00	10397.56	10397.56	0
10/ 1/74	1600	2452.9	0.00	8113.88	8113.89	0
10/ 1/74	1720	2452.9	0.00	11876.06	11876.07	0
10/ 1/74	1810	2452.9	0.00	17120.48	17120.48	0
10/ 2/74	850	2452.7	0.00	23703.22	23703.43	0
10/ 3/74	900	2451.6	0.00	24901.56	24901.57	0
10/ 3/74	1200	2451.6	0.00	25627.54	25627.54	0
10/ 7/74	930	2448.4	0.00	30694.28	30694.28	0

TABLE 10. LIBRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FFEET)	DISCHARGE (CURIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
10/ 8/74	800	2447.5	0.00	26055.24	26055.25	0
10/ 8/74	1000	2447.5	0.00	27130.60	27130.61	0
10/ 8/74	1320	2447.5	0.00	26770.86	26770.85	0
10/ 9/74	1000	2446.7	0.00	26915.08	26915.08	0
10/10/74	850	2445.9	0.00	27053.66	27053.66	0
10/11/74	830	2445.1	0.00	27186.48	27186.49	0
10/12/74	840	2444.2	0.00	27284.72	27284.71	0
10/13/74	700	2443.5	0.00	27434.46	27434.45	0
10/13/74	850	2443.5	0.00	27787.54	27787.53	0
10/15/74	900	2441.7	0.00	27946.56	27946.56	0
10/16/74	900	2440.9	0.00	28046.26	28046.25	0
10/17/74	1300	2440.0	0.00	28107.24	28107.24	0
10/17/74	1500	2440.0	0.00	28454.86	28454.86	0
10/18/74	900	2439.2	0.00	28539.26	28539.25	0
10/19/74	805	2438.3	0.00	28582.92	28582.92	0
10/20/74	800	2437.5	0.00	28652.86	28652.85	0
10/21/74	900	2436.6	0.00	29022.40	29022.41	0
10/22/74	900	2435.7	0.00	29039.14	29039.14	0
10/22/74	1600	2435.7	0.00	29380.60	29380.59	0
10/23/74	900	2434.8	0.00	29386.32	29386.31	0
10/24/74	900	2439.9	0.00	31968.36	31968.37	0
10/25/74	1800	2433.0	0.00	31066.72	31066.72	0
10/26/74	900	2423.1	0.00	27282.08	27282.08	0
10/28/74	800	2430.3	0.00	30266.38	30266.38	0
10/29/74	900	2429.4	0.00	30871.04	30871.04	0
10/29/74	1100	2429.4	0.00	31542.32	31542.31	0
10/29/74	1600	2429.4	0.00	32219.14	32219.14	0
10/30/74	1600	2428.5	0.00	32812.34	32812.34	0
10/31/74	900	2427.6	0.00	33050.34	33050.34	0
11/ 1/74	1200	2426.7	0.00	33273.22	33273.22	0
11/ 1/74	1600	2426.7	0.00	33612.66	33612.66	0
11/ 2/74	900	2425.7	0.00	34105.28	34105.27	0
11/ 3/74	900	2424.8	0.00	34633.22	34633.22	0
11/ 4/74	800	2423.8	0.00	0.00	0.00	0
11/ 4/74	900	2423.8	0.00	2028.31	2028.31	0
11/ 4/74	1200	2423.7	7417.84	0.00	7417.84	0
11/ 5/74	800	2423.1	14663.61	0.00	14663.61	0
11/ 5/74	1600	2422.9	14808.88	0.00	14808.89	0
11/ 6/74	800	2422.5	14719.58	0.00	14719.58	0
11/ 6/74	815	2422.5	14795.48	0.00	14795.48	0
11/ 7/74	800	2422.0	14210.64	0.00	14210.64	0
11/ 7/74	815	2422.0	14778.70	0.00	14778.69	0
11/ 8/74	800	2421.4	14123.26	0.00	14123.26	0
11/ 8/74	815	2421.4	14758.52	0.00	14758.52	0
11/ 9/74	800	2420.9	14137.37	0.00	14137.36	0
11/ 9/74	805	2420.9	14741.70	0.00	14741.70	0
11/10/74	800	2420.3	13952.24	0.00	13952.25	0
11/10/74	815	2420.3	14721.48	0.00	14721.48	0
11/11/74	800	2419.8	13973.91	0.00	13973.91	0
11/11/74	815	2419.7	14701.24	0.00	14701.24	0
11/11/74	1500	2419.5	2163.52	0.00	2163.52	0
11/12/74	800	2418.9	4223.64	0.00	4223.64	0
11/12/74	900	2418.9	5839.27	0.00	5839.27	0
11/12/74	1500	2418.7	6583.31	0.00	6583.31	0
11/13/74	800	2418.0	6288.98	0.00	6288.98	0
11/13/74	805	2418.0	6572.70	0.00	6572.70	0
11/13/74	1200	2417.9	7320.17	0.00	7320.17	0
11/14/74	800	2417.1	7104.39	0.00	7104.39	0
11/14/74	815	2417.1	7306.59	0.00	7306.59	0
11/14/74	1300	2416.9	10145.22	0.00	10145.22	0
11/15/74	800	2416.2	10128.84	0.00	10128.84	0
11/16/74	800	2415.1	10103.06	0.00	10103.05	0
11/17/74	800	2414.1	10079.56	0.00	10079.55	0
11/18/74	800	2413.2	10058.36	0.00	10058.35	0
11/19/74	800	2412.3	10037.12	0.00	10037.11	0
11/20/74	800	2411.3	10013.46	0.00	10013.45	0
11/21/74	800	2410.3	9989.74	0.00	9989.74	0
11/22/74	800	2409.5	9970.74	0.00	9970.73	0
11/22/74	1300	2409.4	16041.12	0.00	16041.13	0
11/23/74	800	2408.9	16021.95	0.00	16021.94	0
11/24/74	800	2408.3	15998.88	0.00	15998.89	0
11/25/74	800	2407.2	15956.55	0.00	15956.54	0
11/25/74	1200	2407.2	16318.33	0.00	16318.32	0
11/26/74	800	2407.2	16318.33	0.00	16318.32	0
11/26/74	1200	2407.1	10635.12	0.00	10635.12	0
11/26/74	1600	2407.1	10490.66	0.00	10490.65	0
11/27/74	800	2406.9	10485.58	0.00	10485.58	0
11/27/74	1200	2406.8	10483.04	0.00	10483.05	0
11/28/74	800	2406.5	10475.44	0.00	10475.43	0
11/29/74	800	2406.1	10465.28	0.00	10465.27	0
11/29/74	1200	2406.1	10753.56	0.00	10753.56	0
11/30/74	800	2405.7	10743.10	0.00	10743.11	0
12/ 1/74	0	2405.4	10735.26	0.00	10735.26	0
12/ 2/74	800	2404.9	10722.16	0.00	10722.16	0
12/ 3/74	800	2404.5	10711.68	0.00	10711.68	0
12/ 3/74	1200	2404.4	13449.88	0.00	13449.88	0
12/ 4/74	800	2403.9	13433.28	0.00	13433.28	0
12/ 4/74	1200	2403.8	13364.86	0.00	13364.86	0
12/ 5/74	800	2403.4	13416.66	0.00	13416.67	0
12/ 6/74	800	2402.8	12892.17	0.00	12892.16	0
12/ 6/74	810	2402.8	13396.70	0.00	13396.70	0
12/ 7/74	800	2402.3	12906.04	0.00	12906.04	0
12/ 8/74	800	2401.7	12794.90	0.00	12794.90	0
12/ 8/74	810	2401.7	13609.83	0.00	13609.84	0
12/ 9/74	800	2401.2	13054.96	0.00	13054.95	0
12/ 9/74	810	2401.2	13734.72	0.00	13734.72	0
12/10/74	800	2400.6	13176.89	0.00	13176.89	0
12/10/74	810	2400.6	13714.27	0.00	13714.27	0
12/11/74	800	2400.0	13114.89	0.00	13114.89	0
12/11/74	810	2400.0	13693.78	0.00	13693.79	0

TABLE 10. LITTRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
12/12/74	800	2399.5	13049.22	0.00	13049.22	0
12/12/74	810	2399.5	13676.70	0.00	13676.69	0
12/13/74	800	2398.9	13107.02	0.00	13107.02	0
12/13/74	815	2398.9	13656.14	0.00	13656.15	0
12/14/74	800	2398.2	15309.17	0.00	15309.18	0
12/14/74	830	2398.2	15817.68	0.00	15817.69	0
12/15/74	800	2397.5	15507.65	0.00	15507.65	0
12/15/74	830	2397.4	15785.67	0.00	15785.68	0
12/16/74	800	2396.7	15237.04	0.00	15237.04	0
12/16/74	815	2396.7	15757.62	0.00	15757.62	0
12/17/74	800	2395.9	15184.96	0.00	15184.96	0
12/17/74	815	2395.9	15725.49	0.00	15725.49	0
12/18/74	800	2395.3	15035.62	0.00	15035.62	0
12/18/74	815	2395.2	15697.32	0.00	15697.33	0
12/19/74	800	2394.5	15046.70	0.00	15046.69	0
12/19/74	815	2394.5	15669.12	0.00	15669.11	0
12/20/74	800	2393.7	15183.06	0.00	15183.05	0
12/20/74	815	2393.7	15706.67	0.00	15706.66	0
12/21/74	800	2393.0	15037.23	0.00	15037.22	0
12/21/74	815	2393.0	15678.19	0.00	15678.20	0
12/22/74	800	2392.3	14829.28	0.00	14829.28	0
12/22/74	815	2392.3	15649.68	0.00	15649.69	0
12/23/74	800	2391.6	14954.80	0.00	14954.80	0
12/23/74	815	2391.6	15690.61	0.00	15690.60	0
12/24/74	800	2390.8	15179.69	0.00	15179.69	0
12/24/74	815	2389.7	15612.46	0.00	15612.46	0
12/25/74	800	2389.9	15157.65	0.00	15157.64	0
12/25/74	815	2389.9	15620.70	0.00	15620.70	0
12/26/74	800	2389.1	15042.92	0.00	15042.92	0
12/26/74	815	2389.1	10305.33	0.00	10305.34	0
12/27/74	800	2388.7	10042.56	0.00	10042.56	0
12/27/74	815	2388.7	10430.79	0.00	10430.79	0
12/28/74	800	2388.5	9948.86	0.00	9948.87	0
12/28/74	815	2388.5	10425.30	0.00	10425.30	0
12/29/74	800	2387.8	10018.80	0.00	10018.79	0
12/29/74	815	2387.8	10474.05	0.00	10474.04	0
12/30/74	800	2387.3	10005.56	0.00	10005.56	0
12/30/74	815	2387.3	10460.19	0.00	10460.19	0
12/31/74	800	2386.8	10446.33	0.00	10446.32	0
1/ 1/75	800	2386.3	10215.82	0.00	10215.81	0
1/ 1/75	815	2386.3	10567.88	0.00	10567.89	0
1/ 2/75	800	2385.8	10290.09	0.00	10290.09	0
1/ 2/75	815	2385.8	10519.97	0.00	10519.97	0
1/ 3/75	800	2385.3	10607.22	0.00	10607.23	0
1/ 4/75	800	2384.9	10595.85	0.00	10595.85	0
1/ 5/75	800	2384.4	10480.53	0.00	10480.54	0
1/ 6/75	800	2383.9	10466.43	0.00	10466.42	0
1/ 7/75	800	2383.4	10284.34	0.00	10284.35	0
1/ 8/75	800	2382.8	12957.99	0.00	12958.00	0
1/ 9/75	800	2382.0	12929.70	0.00	12929.69	0
1/10/75	800	2381.4	12787.49	0.00	12787.49	0
1/10/75	815	2381.3	13173.66	0.00	13173.66	0
1/11/75	800	2380.6	12826.35	0.00	12826.35	0
1/11/75	810	2380.6	13148.26	0.00	13148.26	0
1/12/75	800	2379.9	12948.75	0.00	12948.75	0
1/12/75	810	2379.9	13122.81	0.00	13122.80	0
1/13/75	800	2379.1	12960.06	0.00	12960.06	0
1/13/75	815	2379.1	13093.65	0.00	13093.65	0
1/14/75	800	2378.3	14613.25	0.00	14613.25	0
1/14/75	815	2378.3	15135.14	0.00	15135.14	0
1/15/75	800	2377.5	14733.92	0.00	14733.91	0
1/15/75	815	2377.5	15101.07	0.00	15101.08	0
1/16/75	800	2376.6	14743.09	0.00	14743.10	0
1/16/75	815	2376.6	15129.27	0.00	15129.28	0
1/17/75	800	2375.7	14738.62	0.00	14738.61	0
1/17/75	815	2375.6	15285.63	0.00	15285.62	0
1/18/75	800	2374.9	14817.65	0.00	14817.65	0
1/18/75	815	2374.9	15255.03	0.00	15255.04	0
1/19/75	800	2374.0	14660.56	0.00	14660.56	0
1/19/75	815	2374.0	15215.64	0.00	15215.64	0
1/20/75	800	2373.0	14618.24	0.00	14618.24	0
1/20/75	815	2373.0	18347.70	0.00	18347.71	0
1/21/75	800	2372.1	17347.22	0.00	17347.21	0
1/21/75	815	2372.0	18294.12	0.00	18294.11	0
1/22/75	800	2371.0	17719.46	0.00	17719.46	0
1/22/75	810	2371.0	18240.36	0.00	18240.36	0
1/23/75	800	2369.9	17609.34	0.00	17609.34	0
1/23/75	810	2369.9	18246.82	0.00	18246.82	0
1/24/75	800	2368.8	17564.89	0.00	17564.89	0
1/24/75	810	2368.8	18187.08	0.00	18187.09	0
1/25/75	800	2368.1	17554.26	0.00	17554.26	0
1/25/75	810	2368.1	18148.98	0.00	18148.98	0
1/26/75	800	2366.7	18072.50	0.00	18072.51	0
1/26/75	810	2366.7	18202.74	0.00	18202.74	0
1/27/75	800	2365.5	17436.25	0.00	17436.25	0
1/27/75	810	2365.5	21978.79	0.00	21978.79	0
1/28/75	800	2364.1	21019.23	0.00	21019.23	0
1/28/75	810	2364.1	21493.64	0.00	21493.63	0
1/29/75	800	2362.6	21205.80	0.00	21205.80	0
1/29/75	810	2362.6	21522.82	0.00	21522.83	0
1/30/75	800	2361.1	21247.64	0.00	21247.64	0
1/30/75	810	2361.1	21550.29	0.00	21550.29	0
1/31/75	800	2359.6	21063.42	0.00	21063.41	0
2/ 1/75	800	2357.9	24287.40	0.00	24287.40	0
2/ 2/75	800	2356.2	24458.76	0.00	24458.76	0
2/ 3/75	800	2354.4	24926.67	0.00	24926.66	0
2/ 4/75	800	2352.5	24768.69	0.00	24768.66	0
2/ 5/75	800	2350.8	24931.62	0.00	24931.62	0
2/ 6/75	800	2348.8	24761.07	0.00	24761.08	0
2/ 7/75	800	2347.2	22260.90	0.00	22260.89	0



TABLE 10. IREY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CURIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
2/ 8/75	800	2344.9	22297.68	0.00	22297.68	0
2/ 9/75	800	2343.6	22409.37	0.00	22409.37	0
2/10/75	800	2341.8	22551.03	0.00	22551.04	0
2/11/75	800	2340.1	22697.82	0.00	22697.83	0
2/12/75	800	2338.4	22985.16	0.00	22985.16	0
2/13/75	800	2336.6	22973.76	0.00	22973.75	0
2/14/75	800	2334.8	22959.66	0.00	22959.66	0
2/14/75	1600	2334.2	19806.96	0.00	19806.95	0
2/15/75	800	2333.1	19898.16	0.00	19898.15	0
2/16/75	800	2331.6	19869.69	0.00	19869.70	0
2/17/75	800	2330.0	20176.32	0.00	20176.32	0
2/18/75	600	2328.5	15957.84	0.00	15957.85	0
2/18/75	700	2328.5	9857.40	0.00	9857.40	0
2/18/75	800	2328.4	9853.59	0.00	9853.59	0
2/18/75	1600	2328.9	14229.36	0.00	14229.36	0
2/18/75	1800	2327.9	17790.93	0.00	17790.94	0
2/19/75	600	2327.2	14184.48	0.00	14184.49	0
2/19/75	700	2327.2	10143.30	0.00	10143.31	0
2/19/75	800	2327.1	10139.34	0.00	10139.34	0
2/19/75	1600	2326.7	14156.37	0.00	14156.37	0
2/19/75	1700	2326.7	17875.14	0.00	17875.13	0
2/20/75	800	2325.9	17986.41	0.00	17986.40	0
2/21/75	800	2324.5	17967.99	0.00	17968.00	0
2/22/75	800	2323.1	17947.98	0.00	17947.99	0
2/23/75	800	2321.7	18009.30	0.00	18009.31	0
2/24/75	800	2320.1	18052.59	0.00	18052.59	0
2/24/75	1600	2319.6	16699.89	0.00	16699.90	0
2/25/75	800	2318.8	16642.89	0.00	16642.90	0
2/25/75	1530	2318.3	16770.36	0.00	16770.37	0
2/26/75	800	2317.4	16867.74	0.00	16867.74	0
2/27/75	800	2316.0	16764.81	0.00	16764.80	0
2/27/75	1600	2315.6	14642.10	0.00	14642.09	0
2/28/75	800	2314.7	14744.43	0.00	14744.42	0
3/ 1/75	800	2313.5	14984.67	0.00	14984.67	0
3/ 2/75	800	2312.3	14983.29	0.00	14983.28	0
3/ 3/75	800	2311.1	14980.56	0.00	14980.56	0
3/ 4/75	800	2309.9	15054.78	0.00	15054.78	0
3/ 5/75	800	2308.7	14970.99	0.00	14971.00	0
3/ 6/75	800	2307.4	15034.41	0.00	15034.42	0
3/ 7/75	800	2306.2	15025.59	0.00	15025.60	0
3/ 8/75	800	2304.8	15000.78	0.00	15000.77	0
3/ 9/75	800	2303.5	15057.36	0.00	15057.36	0
3/10/75	800	2302.1	15103.74	0.00	15103.73	0
3/11/75	800	2300.8	15080.04	0.00	15080.03	0
3/12/75	800	2299.3	15039.15	0.00	15039.16	0
3/13/75	800	2297.9	15003.99	0.00	15004.00	0
3/14/75	800	2296.7	8997.69	0.00	8997.68	0
3/15/75	800	2296.1	9042.54	0.00	9042.54	0
3/16/75	800	2295.3	9077.37	0.00	9077.38	0
3/17/75	800	2294.6	9332.37	0.00	9332.37	0
3/18/75	800	2293.0	9297.96	0.00	9297.95	0
3/19/75	800	2293.1	9258.45	0.00	9258.44	0
3/20/75	800	2292.4	9294.90	0.00	9294.91	0
3/21/75	800	2291.7	7134.03	0.00	7134.04	0
3/22/75	800	2291.2	7114.86	0.00	7114.87	0
3/23/75	800	2290.7	7166.07	0.00	7166.07	0
3/24/75	800	2290.2	7216.83	0.00	7216.83	0
3/25/75	800	2289.8	6038.22	0.00	6038.21	0
3/26/75	800	2289.4	5158.80	0.00	5158.81	0
3/27/75	800	2289.1	5220.09	0.00	5220.10	0
3/28/75	800	2288.8	5281.14	0.00	5281.14	0
3/29/75	800	2288.4	5338.98	0.00	5338.99	0
3/30/75	800	2288.1	5122.17	0.00	5122.16	0
3/31/75	800	2287.8	0.00	0.00	0.00	0
4/ 1/75	800	2287.5	5312.43	0.00	5312.44	0
4/ 2/75	800	2287.2	5330.06	0.00	5330.06	0
4/ 3/75	800	2286.8	5360.52	0.00	5360.52	0
4/ 4/75	800	2286.6	5354.49	0.00	5354.50	0
4/ 5/75	800	2286.5	2810.88	0.00	2810.87	0
4/ 6/75	800	2286.5	2810.88	0.00	2810.87	0
4/ 7/75	800	2286.5	2742.24	0.00	2742.25	0
4/ 8/75	800	2286.5	2584.44	0.00	2584.44	0
4/ 9/75	800	2286.5	2584.44	0.00	2584.44	0
4/10/75	800	2286.5	2584.44	0.00	2584.44	0
4/11/75	800	2286.5	2663.07	0.00	2663.08	0
4/12/75	800	2286.6	2743.77	0.00	2743.78	0
4/13/75	800	2286.6	2743.77	0.00	2743.78	0
4/14/75	800	2286.8	3021.78	0.00	3021.77	0
4/15/75	800	2286.9	3573.81	0.00	3573.80	0
4/16/75	800	2286.9	4124.31	0.00	4124.32	0
4/17/75	800	2286.9	4537.32	0.00	4537.31	0
4/18/75	800	2286.9	4950.39	0.00	4950.38	0
4/19/75	800	2286.8	5498.16	0.00	5498.17	0
4/20/75	800	2286.8	6048.84	0.00	6048.84	0
4/21/75	800	2286.6	6042.03	0.00	6042.02	0
4/22/75	800	2286.6	6042.03	0.00	6042.02	0
4/23/75	800	2286.6	5491.98	0.00	5491.99	0
4/24/75	800	2286.6	5491.98	0.00	5491.99	0
4/25/75	800	2286.7	5907.84	0.00	5907.83	0
4/26/75	800	2286.8	6324.21	0.00	6324.22	0
4/27/75	800	2286.8	6461.91	0.00	6461.91	0
4/28/75	800	2287.0	6882.81	0.00	6882.82	0
4/29/75	800	2287.2	7857.00	0.00	7857.01	0
4/30/75	800	2287.0	8951.49	0.00	8951.50	0
5/ 1/75	800	2286.9	8946.39	0.00	8946.38	0
5/ 2/75	800	2286.9	8946.39	0.00	8946.38	0
5/ 3/75	800	2286.9	7567.98	0.00	7567.98	0
5/ 4/75	800	2287.1	7714.56	0.00	7714.56	0
5/ 5/75	800	2287.0	7727.67	0.00	7727.67	0
5/ 6/75	800	2287.5	10360.68	0.00	10360.69	0

TABLE 10. LIBBY DAM WATER DISCHARGE NODES

DATE	TIME	POOL ELEVATION (FFFT)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
5/ 7/75	800	2287.5	10360.68	0.00	10360.69	0
5/ 8/75	800	2287.5	10360.68	0.00	10360.69	0
5/ 9/75	800	2287.6	10366.62	0.00	10366.63	0
5/10/75	800	2288.0	10667.92	0.00	10667.92	0
5/11/75	800	2288.7	10849.83	0.00	10849.84	0
5/12/75	800	2289.7	10490.49	0.00	10490.50	0
5/13/75	800	2291.0	10283.91	0.00	10283.90	0
5/14/75	800	2293.3	5409.96	0.00	5409.95	0
5/15/75	800	2296.0	5196.27	0.00	5196.28	0
5/16/75	800	2299.1	5277.42	0.00	5277.43	0
5/17/75	800	2302.6	5367.57	0.00	5367.58	0
5/18/75	800	2306.0	5453.73	0.00	5453.73	0
5/19/75	800	2309.4	5386.47	0.00	5386.46	0
5/20/75	800	2312.5	5458.08	0.00	5458.09	0
5/21/75	800	2314.8	5196.00	0.00	5196.00	0
5/22/75	800	2316.6	5247.30	0.00	5247.29	0
5/23/75	800	2318.3	5338.66	0.00	5338.66	0
5/24/75	800	2320.1	5270.30	0.00	5270.30	0
5/25/75	800	2321.1	5171.10	0.00	5171.11	0
5/26/75	800	2323.0	5218.89	0.00	5218.90	0
5/27/75	800	2324.9	5249.82	0.00	5249.83	0
5/28/75	800	2326.2	5289.76	0.00	5289.77	0
5/29/75	800	2327.5	5316.60	0.00	5316.59	0
5/30/75	800	2329.2	5169.87	0.00	5169.86	0
5/31/75	800	2331.2	5208.87	0.00	5208.87	0
6/ 1/75	800	2333.7	5257.23	0.00	5257.22	0
6/ 2/75	800	2336.7	5142.30	0.00	5142.30	0
6/ 3/75	800	2340.0	5028.36	0.00	5028.36	0
6/ 4/75	800	2343.6	5091.27	0.00	5091.27	0
6/ 5/75	800	2347.4	5156.85	0.00	5156.85	0
6/ 6/75	800	2351.3	5223.30	0.00	5223.30	0
6/ 7/75	800	2355.2	5288.91	0.00	5288.91	0
6/ 8/75	800	2358.8	5348.76	0.00	5348.76	0
6/ 9/75	800	2361.8	5210.85	0.00	5210.84	0
6/10/75	800	2364.3	5250.21	0.00	5250.21	0
6/11/75	800	2366.6	5286.15	0.00	5286.16	0
6/12/75	800	2368.9	5338.72	0.00	5338.77	0
6/13/75	800	2371.4	5377.66	0.00	5377.67	0
6/14/75	800	2374.3	3195.30	0.00	3195.31	0
6/15/75	800	2377.3	3007.23	0.00	3007.23	0
6/16/75	800	2380.2	3031.20	0.00	3031.21	0
6/17/75	800	2383.0	3054.18	0.00	3054.17	0
6/18/75	800	2385.6	3075.36	0.00	3075.35	0
6/19/75	800	2388.0	3094.77	0.00	3094.76	0
6/20/75	800	2390.2	3112.44	0.00	3112.45	0
6/21/75	800	2392.4	3130.05	0.00	3130.04	0
6/22/75	800	2394.6	2925.90	0.00	2925.89	0
6/23/75	800	2396.8	2942.07	0.00	2942.06	0
6/24/75	800	2399.0	2958.12	0.00	2958.13	0
6/25/75	800	2401.1	2972.09	0.00	2972.09	0
6/26/75	800	2403.4	3032.05	0.00	3032.05	0
6/27/75	800	2405.6	3048.25	0.00	3048.25	0
6/28/75	800	2407.5	2881.34	0.00	2881.35	0
6/29/75	800	2409.0	2916.63	0.00	2916.64	0
6/30/75	800	2410.3	2925.51	0.00	2925.52	0
7/ 1/75	1300	2412.0	0.00	0.00	0.00	0
7/ 1/75	1330	2411.0	0.00	4249.52	4249.52	0
7/ 2/75	800	2412.0	0.00	4289.44	4289.43	0
7/ 3/75	800	2414.0	0.00	4467.91	4467.92	0
7/ 4/75	900	2416.1	0.00	4554.14	4554.13	0
7/ 5/75	1000	2417.9	0.00	4549.20	4549.20	0
7/ 7/75	800	2420.0	0.00	4721.04	4721.03	0
7/ 8/75	745	2422.2	0.00	4696.03	4696.03	0
7/ 8/75	1800	2442.2	0.00	7040.76	7040.76	0
7/ 9/75	745	2420.0	0.00	5130.82	5130.82	0
7/10/75	800	2425.6	0.00	5051.94	5051.94	0
7/14/75	800	2430.8	0.00	5458.80	5458.79	0
7/15/75	800	2431.0	0.00	5457.36	5457.35	0
7/16/75	800	2432.0	0.00	5405.46	5405.46	0
7/18/75	2400	2429.8	0.00	4886.32	4886.32	0
7/19/75	800	2434.9	0.00	7191.41	7191.41	0
7/23/75	100	2438.0	0.00	4902.20	4902.20	0
7/23/75	800	2438.0	0.00	4902.20	4902.20	0
7/27/75	800	2440.1	0.00	4899.22	4899.21	0
7/29/75	2400	2441.1	0.00	4961.29	4961.28	0
8/ 1/75	800	2442.8	0.00	5065.06	5065.06	0
8/ 2/75	800	2443.4	0.00	5101.18	5101.18	0
8/ 3/75	615	2443.9	0.00	5131.09	5131.09	0
8/ 3/75	800	2443.9	0.00	5131.09	5131.09	0
8/ 4/75	800	2444.0	0.00	5160.83	5160.82	0
8/ 5/75	300	2445.0	1092.09	0.00	1092.09	0
8/ 5/75	1500	2445.2	0.00	0.00	0.00	0
8/ 5/75	1500	2444.8	0.00	5332.08	5332.08	0
8/ 6/75	800	2445.2	0.00	5356.30	5356.29	0
8/ 7/75	800	2445.6	0.00	5380.40	5380.40	0
8/ 8/75	800	2445.9	0.00	5398.80	5398.80	0
8/ 9/75	800	2446.3	0.00	5422.32	5422.32	0
8/10/75	800	2446.3	0.00	5422.32	5422.32	0
8/11/75	800	2447.0	0.00	5463.92	5463.92	0
8/11/75	800	2447.0	0.00	3717.40	3717.40	0
8/11/75	1010	2447.0	0.00	5463.92	5463.92	0
8/12/75	800	2447.3	0.00	5481.66	5481.66	0
8/12/75	805	2447.3	0.00	3729.37	3729.37	0
8/12/75	1520	2447.3	0.00	5481.66	5481.66	0
8/13/75	800	2447.7	0.00	5505.22	5505.21	0
8/13/75	915	2447.7	0.00	4526.34	4526.35	0
8/14/75	800	2448.0	935.86	0.00	935.86	0
8/15/75	800	2448.4	0.00	0.00	0.00	0
8/16/75	800	2449.0	2302.54	0.00	2302.54	0
8/18/75	1200	2449.5	3472.37	0.00	3472.37	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
8/18/75	1230	2448.9	0.00	4584.18	4584.18	0
8/19/75	800	2449.7	1805.78	0.00	1805.78	0
8/20/75	800	2449.8	2040.52	0.00	2040.51	0
8/20/75	1915	2449.5	0.00	5609.98	5609.98	0
8/20/75	2020	2449.5	0.00	5299.74	5299.75	0
8/21/75	800	2450.0	2343.48	0.00	2343.49	0
8/23/75	800	2451.0	2311.66	0.00	2311.66	0
8/23/75	2400	2451.0	0.00	0.00	0.00	0
8/24/75	1500	2450.9	0.00	0.00	0.00	0
8/24/75	1600	2450.9	0.00	0.00	0.00	0
8/24/75	1700	2450.9	0.00	0.00	0.00	0
8/24/75	1800	2450.9	0.00	0.00	0.00	0
8/24/75	1900	2450.9	0.00	0.00	0.00	0
8/27/75	300	2452.0	3322.02	0.00	3322.01	0
8/27/75	600	2452.0	3322.02	0.00	3322.01	0
8/27/75	700	2452.0	3322.02	0.00	3322.01	0
8/27/75	800	2452.0	3322.02	0.00	3322.01	0
8/29/75	1900	2453.0	3328.50	0.00	3328.49	0
8/29/75	2000	2453.0	0.00	0.00	0.00	0
8/29/75	2100	2453.0	0.00	0.00	0.00	0
8/29/75	2200	2453.0	0.00	0.00	0.00	0
8/29/75	2300	2453.0	0.00	0.00	0.00	0
8/29/75	2400	2453.0	0.00	0.00	0.00	0
8/30/75	100	2452.8	0.00	0.00	0.00	0
8/30/75	200	2452.8	0.00	0.00	0.00	0
8/30/75	300	2452.8	0.00	0.00	0.00	0
9/ 3/75	1200	2454.5	0.00	0.00	0.00	0
9/ 3/75	1400	2454.5	0.00	0.00	0.00	0
9/ 3/75	1500	2454.5	0.00	0.00	0.00	0
9/ 3/75	1600	2454.5	0.00	0.00	0.00	0
9/ 3/75	1700	2454.5	0.00	0.00	0.00	0
9/ 3/75	2400	2454.5	0.00	0.00	0.00	0
9/ 4/75	100	2454.8	0.00	0.00	0.00	0
9/ 4/75	700	2454.8	0.00	0.00	0.00	0
9/ 4/75	800	2454.8	0.00	0.00	0.00	0
9/ 4/75	1800	2454.8	0.00	0.00	0.00	0
9/ 4/75	1900	2454.8	0.00	0.00	0.00	0
9/ 7/75	1600	2455.5	0.00	0.00	0.00	0
9/ 8/75	100	2455.5	0.00	0.00	0.00	0
9/ 9/75	800	2455.5	0.00	0.00	0.00	0
9/ 9/75	2000	2455.5	11729.01	0.00	11729.01	0
9/10/75	1200	2455.0	10530.45	0.00	10530.46	0
9/12/75	800	2454.6	0.00	0.00	0.00	0
9/12/75	1658	2457.4	0.00	4941.32	4941.32	0
9/12/75	1755	2457.4	0.00	4555.08	4555.08	0
9/12/75	1810	2457.4	0.00	4555.08	4555.08	0
9/12/75	1900	2457.4	0.00	8454.76	8454.77	0
9/13/75	1055	2457.5	0.00	3026.87	3026.87	0
9/13/75	1100	2454.5	1369.55	0.00	1369.55	0
9/13/75	1155	2457.5	0.00	3026.87	3026.87	0
9/13/75	1200	2454.5	2726.04	0.00	2726.04	0
9/13/75	1300	2454.5	4128.22	0.00	4128.22	0
9/13/75	1400	2454.5	5576.19	0.00	5576.18	0
9/14/75	100	2454.4	5809.11	0.00	5809.12	0
9/15/75	100	2454.3	5925.03	0.00	5925.03	0
9/16/75	100	2454.2	5806.86	0.00	5806.87	0
9/16/75	1100	2454.1	2841.36	0.00	2841.36	0
9/17/75	100	2454.1	2988.03	0.00	2988.04	0
9/17/75	900	2454.1	2841.36	0.00	2841.36	0
9/17/75	1500	2454.2	2964.06	0.00	2964.07	0
9/20/75	800	2454.1	2841.36	0.00	2841.36	0
9/24/75	1500	2454.0	2913.96	0.00	2913.96	0
9/25/75	100	2453.9	2840.25	0.00	2840.26	0
9/25/75	200	2453.9	2840.25	0.00	2840.26	0
9/25/75	1200	2453.9	2840.25	0.00	2840.26	0
9/25/75	1300	2453.9	2840.25	0.00	2840.26	0
9/25/75	1400	2453.9	2840.25	0.00	2840.26	0
9/25/75	1500	2453.9	2840.25	0.00	2840.26	0
9/25/75	1600	2453.9	2840.25	0.00	2840.26	0
9/27/75	900	2453.7	5333.97	0.00	5333.96	0
9/29/75	1000	2453.3	5329.80	0.00	5329.81	0
9/30/75	100	2453.2	5678.82	0.00	5678.83	0
10/ 1/75	100	2453.0	7079.34	0.00	7079.33	0
10/ 2/75	100	2452.8	6024.48	0.00	6024.48	0
10/ 3/75	100	2452.6	5711.06	0.00	5711.05	0
10/ 6/75	500	2451.9	5691.59	0.00	5691.58	0
10/ 6/75	800	2451.9	5620.64	0.00	5620.65	0
10/ 7/75	100	2451.8	5663.31	0.00	5663.31	0
10/ 7/75	2000	2451.6	5358.63	0.00	5358.64	0
10/ 8/75	1100	2451.6	5264.28	0.00	5264.28	0
10/ 8/75	1800	2451.5	5543.64	0.00	5543.65	0
10/ 8/75	2400	2451.5	5659.98	0.00	5659.97	0
10/10/75	900	2451.2	5737.46	0.00	5737.46	0
10/10/75	1100	2451.2	5656.65	0.00	5656.64	0
10/13/75	800	2450.7	5731.74	0.00	5731.74	0
10/13/75	1600	2450.6	5649.96	0.00	5649.97	0
10/14/75	1300	2450.5	0.00	0.00	0.00	0
10/14/75	1500	2450.4	5647.74	0.00	5647.74	0
10/18/75	700	2449.7	5755.89	0.00	5755.89	0
10/21/75	1600	2449.2	2108.22	0.00	2108.22	0
10/22/75	100	2449.1	1993.44	0.00	1993.45	0
10/22/75	2000	2448.9	10404.66	0.00	10404.66	0
10/22/75	2200	2448.9	5746.77	0.00	5746.78	0
10/22/75	2400	2448.9	5978.40	0.00	5978.41	0
10/23/75	100	2448.9	5978.40	0.00	5978.41	0
10/23/75	1400	2448.8	5977.23	0.00	5977.22	0
10/23/75	1500	2448.8	5977.23	0.00	5977.22	0
10/23/75	2400	2448.8	5977.23	0.00	5977.22	0
3/ 6/76	400	2333.8	6625.56	0.00	6625.56	0
10/24/75	100	2448.6	6670.11	0.00	6670.11	0

TABLE 10. LIBBY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			PENSTOCK
			SLUICES	SPILLWAYS	TOTAL	
10/24/75	800	2448.4	6667.47	0.00	6667.46	0
10/24/75	1400	2448.3	6666.15	0.00	6666.14	0
10/24/75	1600	2448.3	6666.15	0.00	6666.14	0
10/25/75	100	2448.2	6664.80	0.00	6664.81	0
10/28/75	800	2446.7	6829.77	0.00	6829.78	0
10/29/75	100	2446.4	6640.89	0.00	6640.89	0
10/30/75	100	2445.9	6818.82	0.00	6818.82	0
10/31/75	100	2445.4	6811.98	0.00	6811.97	0
11/ 3/75	1900	2443.6	5571.54	0.00	5571.54	0
11/ 6/75	900	2443.1	3025.10	0.00	3025.09	0
11/ 6/75	1000	2443.1	0.00	0.00	0.00	0
11/ 6/75	1500	2443.1	3243.76	0.00	3243.76	0
11/ 6/75	1600	2443.1	5565.90	0.00	5565.89	0
11/ 7/75	800	2442.9	5449.29	0.00	5449.30	0
11/ 7/75	1200	2442.8	5620.60	0.00	5620.60	0
11/11/75	1200	2441.4	5546.67	0.00	5546.66	0
11/12/75	800	2441.0	5599.94	0.00	5599.93	0
11/13/75	1300	2440.6	5537.58	0.00	5537.58	0
11/16/75	1500	2439.3	5522.79	0.00	5522.80	0
11/16/75	1600	2439.3	5522.79	0.00	5522.80	0
11/16/75	1700	2439.3	5522.79	0.00	5522.80	0
11/16/75	1800	2439.2	6999.66	0.00	6999.66	0
11/16/75	2000	2439.2	7341.51	0.00	7341.51	0
11/23/75	1800	2435.4	9438.00	0.00	9438.01	0
11/24/75	100	2435.2	9661.38	0.00	9661.38	0
11/24/75	200	2435.2	10002.63	0.00	10002.62	0
11/25/75	800	2430.3	10210.83	0.00	10210.83	0
11/25/75	900	2439.3	10318.38	0.00	10318.38	0
11/28/75	100	2432.5	10058.67	0.00	10058.66	0
11/30/75	1600	2430.3	6869.76	0.00	6869.76	0
11/30/75	1700	2430.3	4640.58	0.00	4640.59	0
12/ 2/75	100	2429.5	4632.63	0.00	4632.64	0
12/ 2/75	900	2429.3	0.00	0.00	0.00	0
12/ 3/75	100	2429.1	4628.67	0.00	4628.66	0
12/ 3/75	800	2428.8	0.00	0.00	0.00	0
12/ 3/75	1200	2428.9	4626.66	0.00	4626.67	0
12/ 4/75	800	2428.8	0.00	0.00	0.00	0
12/ 8/75	600	2429.1	4642.36	0.00	4642.37	0
12/ 8/75	1000	2429.0	4864.42	0.00	4864.42	0
12/ 8/75	1200	2429.0	4849.41	0.00	4849.41	0
12/ 9/75	100	2429.0	4849.41	0.00	4849.41	0
12/ 9/75	800	2429.9	7758.21	0.00	7758.22	0
12/ 9/75	900	2429.0	9758.70	0.00	9758.71	0
12/ 9/75	1100	2429.0	10095.57	0.00	10095.58	0
12/11/75	900	2428.6	15054.51	0.00	15054.52	0
12/11/75	1200	2428.5	15301.08	0.00	15301.08	0
12/13/75	800	2427.4	17172.18	0.00	17172.18	0
12/14/75	100	2426.8	17217.66	0.00	17217.67	0
12/14/75	1700	2426.1	12899.22	0.00	12899.23	0
12/26/75	100	2425.1	12019.44	0.00	12019.45	0
12/17/75	900	2423.9	11987.52	0.00	11987.53	0
12/17/75	1600	2423.7	11982.21	0.00	11982.21	0
12/19/75	100	2422.5	11950.20	0.00	11950.20	0
12/15/75	100	2425.9	12040.68	0.00	12040.67	0
12/19/75	1800	2421.9	6920.43	0.00	6920.44	0
12/19/75	1900	2421.8	4992.09	0.00	4992.09	0
12/19/75	2000	2421.8	1991.04	0.00	1991.03	0
12/19/75	2100	2421.8	0.00	0.00	0.00	0
12/22/75	900	2421.1	0.00	0.00	0.00	0
12/22/75	1200	2421.0	2472.39	0.00	2472.40	0
12/22/75	1300	2421.0	6731.34	0.00	6731.34	0
12/22/75	1400	2421.0	10913.40	0.00	10913.40	0
12/22/75	1500	2420.9	17261.07	0.00	17261.08	0
12/23/75	100	2420.5	15120.33	0.00	15120.33	0
12/31/75	1100	2411.7	15034.38	0.00	15034.39	0
1/ 6/76	800	2404.8	15002.52	0.00	15002.51	0
1/ 7/76	800	2403.9	15184.17	0.00	15184.18	0
1/ 8/76	800	2402.6	15456.84	0.00	15456.83	0
1/10/76	100	2400.4	15479.13	0.00	15479.12	0
1/14/76	100	2395.3	15490.98	0.00	15490.98	0
1/15/76	1300	2393.1	20626.74	0.00	20626.75	0
1/15/76	1400	2393.1	15403.38	0.00	15403.37	0
1/17/76	100	2391.2	15327.30	0.00	15327.30	0
1/18/76	100	2389.6	15470.16	0.00	15470.15	0
1/19/76	1300	2387.6	876.24	0.00	876.25	0
1/19/76	1600	2387.5	876.03	0.00	876.02	0
1/19/76	1900	2387.4	2034.60	0.00	2034.61	0
1/19/76	2000	2387.4	4394.13	0.00	4394.12	0
1/20/76	100	2387.3	4895.22	0.00	4895.22	0
1/20/76	1500	2385.5	4872.06	0.00	4872.05	0
1/20/76	1800	2386.6	15655.47	0.00	15655.48	0
1/21/76	100	2386.4	15749.85	0.00	15749.86	0
1/24/76	100	2382.0	15867.15	0.00	15867.18	0
1/26/76	100	2379.0	16138.56	0.00	16138.57	0
1/27/76	1400	2377.5	16170.93	0.00	16170.94	0
1/29/76	100	2374.3	16222.89	0.00	16222.88	0
1/30/76	100	2372.8	16350.78	0.00	16350.78	0
1/30/76	1900	2371.7	16298.37	0.00	16298.36	0
1/30/76	2400	2371.4	8648.58	0.00	8648.57	0
2/ 1/76	600	2369.6	13457.49	0.00	13457.48	0
2/ 1/76	700	2369.5	13453.50	0.00	13453.51	0
2/ 1/76	800	2369.5	13258.48	0.00	13258.43	0
2/ 2/76	2400	2367.3	13365.96	0.00	13365.97	0
2/ 3/76	2400	2366.0	13507.05	0.00	13507.05	0
2/ 6/76	100	2361.9	13529.91	0.00	13529.92	0
2/ 7/76	800	2360.9	10361.34	0.00	10361.34	0
2/ 8/76	100	2360.0	10332.51	0.00	10332.52	0
2/ 8/76	2000	2358.9	5907.72	0.00	5907.71	0
2/ 8/76	2100	2358.8	5720.10	0.00	5720.10	0
2/ 9/76	1600	2357.9	5971.50	0.00	5971.50	0

TABLE 10. LITBRY DAM WATER DISCHARGE MODES

DATE	TIME	POOL ELEVATION (FEET)	DISCHARGE (CUBIC FT./SEC., EST. FROM RATING CURVES)			
			SLUICES	SPILLWAYS	TOTAL	PENSTOCK
2/10/76	100	2357.5	5901.92	0.00	5901.91	0
2/10/76	2300	2356.3	6065.24	0.00	6065.23	0
2/11/76	100	2356.2	6001.44	0.00	6001.45	0
2/12/76	100	2355.0	6040.20	0.00	6040.20	0
2/12/76	1300	2354.3	2663.30	0.00	2663.31	0
2/12/76	1600	2354.2	2279.78	0.00	2279.78	0
2/13/76	800	2353.5	2137.36	0.00	2137.37	0
2/19/76	1000	2347.9	3555.93	0.00	3555.92	0
2/19/76	1200	2347.8	0.00	0.00	0.00	0
2/22/76	1600	2345.4	0.00	0.00	0.00	0
2/23/76	800	2344.8	4710.76	0.00	4710.75	0
2/23/76	900	2344.8	4473.50	0.00	4473.50	0
2/23/76	900	2344.8	4473.50	0.00	4473.50	0
2/24/76	800	2344.0	8865.82	0.00	8865.81	0
2/24/76	900	2343.9	8862.74	0.00	8862.73	0
2/24/76	1600	2343.7	0.00	0.00	0.00	0
2/25/76	1800	2343.0	4446.06	0.00	4446.05	0
2/25/76	1900	2342.9	4680.22	0.00	4680.21	0
2/27/76	1600	2342.5	0.00	0.00	0.00	0
2/27/76	1700	2341.5	0.00	0.00	0.00	0
2/29/76	100	2340.5	0.00	0.00	0.00	0
3/ 2/76	1300	2338.6	2527.32	0.00	2527.31	0
3/ 2/76	1400	2338.6	6006.34	0.00	6006.35	0
3/ 2/76	1600	2338.5	6237.34	0.00	6237.34	0
3/ 3/76	1500	2337.3	6190.71	0.00	6190.72	0
3/ 6/76	300	2333.9	6627.99	0.00	6627.99	0
3/ 6/76	800	2333.6	6791.61	0.00	6791.61	0
3/ 6/76	2400	2332.7	6939.48	0.00	6939.48	0

AFTER 6 MARCH 1976 WATER WAS PRIMARILY DISCHARGED THROUGH PENSTOCKS:  
SLUICES WERE USED FOR SHORT PERIODS.

TABLE 11. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322920 LAKE KOOCANUSA NEAR LIBBY, MT. LAKE SOURCE AGENCY USGS  
 LATITUDE 482438 LONGITUDE 1151847 DRAINAGE AREA 8985.00 DATUM STATE 30 COUNTY 053

ELEVATION, IN FEET NGVD, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972  
 INSTANTANEOUS OBSERVATIONS AT 2400

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		2100.00	2100.00	2209.20	2220.30	2311.50	2385.70	2401.90	2404.30	2377.40	2314.00	2229.20
2		2100.00	2100.00	2210.60	2220.80	2318.30	2386.40	2401.30	2404.30	2375.60	2312.00	2229.20
3		2100.00	2100.00	2211.80	2221.50	2324.80	2386.90	2400.60	2404.30	2373.80	2310.00	2229.20
4		2100.00	2100.00	2212.90	2222.40	2330.60	2387.10	2400.10	2404.40	2371.90	2307.60	2228.20
5		2100.00	2100.00	2213.90	2223.80	2335.60	2387.70	2400.00	2404.50	2369.80	2304.90	2227.90
6		2100.00	2100.00	2215.20	2224.80	2340.10	2388.80	2400.00	2404.50	2367.80	2302.00	2229.20
7		2100.00	2100.00	2216.70	2225.70	2344.30	2390.50	2400.10	2404.50	2365.70	2299.00	2227.7
8		2100.00	2100.00	2217.50	2226.60	2348.30	2392.50	2400.00	2404.50	2364.00	2296.00	2227.70
9		2100.00	2100.00	2217.80	2227.10	2352.40	2394.50	2400.00	2404.50	2362.40	2293.10	2227.6
10		2100.00	2100.00	2218.00	2227.60	2356.40	2396.30	2399.90	2404.50	2360.60	2290.10	2227.5
11		2100.00	2100.00	2218.00	2228.10	2360.70	2397.90	2399.90	2404.50	2358.70	2287.10	2227.50
12		2100.00	2100.00	2217.90	2229.10	2364.80	2399.20	2400.00	2404.00	2356.60	2283.90	2227.50
13		2100.00	2100.00	2217.80	2230.90	2368.30	2400.70	2400.00	2402.80	2354.40	2280.60	2227.50
14		2100.00	2100.00	2217.60	2234.30	2370.50	2402.80	2400.10	2401.50	2352.30	2277.40	2227.20
15		2100.00	2100.00	2217.40	2239.60	2371.80	2402.20	2400.20	2400.00	2350.40	2274.40	2226.70
16		2100.00	2100.00	2217.30	2245.50	2372.90	2402.60	2400.00	2398.60	2348.30	2271.30	2226.50
17		2100.00	2100.00	2217.20	2250.50	2374.10	2403.00	2399.80	2397.20	2346.20	2268.40	2226.50
18		2100.00	2100.00	2217.40	2254.70	2375.70	2403.80	2400.00	2395.80	2344.20	2265.50	2226.50
19		2100.00	2100.00	2217.60	2258.50	2376.90	2404.20	2400.50	2394.20	2341.80	2262.70	2226.50
20		2100.00	2100.00	2218.00	2262.10	2377.80	2404.10	2400.90	2392.60	2339.70	2259.80	2226.50
21		2100.00	2181.20	2218.40	2265.90	2378.50	2404.10	2401.30	2391.00	2337.70	2256.90	2226.50
22		2100.00	2185.40	2218.40	2270.20	2379.00	2404.20	2402.60	2390.30	2335.40	2254.00	2227.10
23		2100.00	2189.40	2218.00	2274.80	2379.60	2404.30	2402.00	2389.80	2333.50	2250.70	2228.00
24		2100.00	2193.00	2217.80	2278.80	2380.30	2404.30	2402.50	2388.70	2331.50	2247.00	2228.80
25		2100.00	2196.30	2217.80	2282.20	2380.80	2404.20	2402.80	2387.30	2329.40	2243.50	2229.70
26		2100.00	2199.10	2218.00	2285.00	2381.40	2404.20	2403.20	2385.50	2327.20	2240.90	2230.40
27		2100.00	2201.30	2218.30	2287.30	2382.30	2404.30	2403.50	2384.10	2325.00	2238.00	2231.10
28		2100.00	2203.50	2218.70	2289.90	2383.00	2404.00	2403.70	2382.60	2322.60	2234.90	2231.20
29		2100.00	2205.10	2219.20	2293.60	2383.90	2403.50	2403.90	2380.90	2320.50	2231.80	2231.10
30		---	2206.40	2219.80	2298.70	2384.70	2403.00	2404.10	2379.10	2318.30	2229.60	2230.90
31		---	2207.80	---	2304.70	---	2402.30	2404.30	---	2316.10	---	2230.80
MEAN		2101.59	2135.15	2216.81	2251.77	2362.98	2398.65	2422.23	2396.49	2347.70	2272.90	2228.26
MAX		2146.00	2207.80	2219.80	2304.70	2384.70	2404.30	2404.30	2404.50	2377.40	2314.00	2231.20
MIN		2100.00	2100.00	2209.20	2220.30	2311.50	2385.70	2399.80	2379.10	2316.10	2229.60	2226.50

ELEVATION, IN FEET NGVD, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973  
 INSTANTANEOUS OBSERVATIONS AT 2400

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2230.70	2230.70	2230.00	2230.30	2246.10	2330.40	2394.60	2412.42	2406.63	2381.48	2370.07	2364.90
2	2230.10	2230.70	2230.00	2230.30	2247.00	2333.20	2396.10	2412.65	2405.33	2381.05	2369.80	2365.07
3	2229.70	2230.40	2230.00	2230.30	2248.00	2335.90	2397.30	2412.93	2404.63	2380.69	2369.32	2365.26
4	2228.50	2229.90	2230.00	2230.30	2249.20	2337.30	2398.31	2413.21	2403.63	2380.29	2368.89	2365.43
5	2228.10	2229.70	2230.10	2230.40	2250.30	2340.50	2399.39	2413.53	2402.69	2379.82	2368.44	2365.47
6	2227.90	2229.80	2230.20	2230.50	2251.70	2342.80	2400.57	2413.78	2401.59	2379.43	2367.83	2365.57
7	2227.60	2229.70	2230.30	2230.50	2253.40	2345.20	2401.72	2414.01	2400.71	2378.96	2367.35	2365.70
8	2227.50	2229.70	2230.50	2230.50	2255.30	2346.60	2402.75	2414.34	2399.91	2378.60	2366.80	2365.87
9	2227.50	2229.60	2230.50	2230.70	2257.10	2353.40	2403.57	2414.46	2399.16	2378.07	2366.28	2365.95
10	2227.40	2229.50	2230.50	2230.70	2258.60	2356.50	2404.20	2414.64	2398.43	2377.63	2365.88	2365.98
11	2227.10	2229.50	2230.50	2230.60	2260.10	2359.10	2404.79	2414.81	2397.61	2377.22	2365.51	2366.07
12	2227.00	2229.50	2230.50	2230.70	2261.40	2361.20	2405.44	2415.01	2396.81	2376.74	2365.44	2366.21
13	2227.00	2229.50	2230.50	2231.20	2262.80	2363.20	2405.82	2415.19	2395.97	2376.31	2365.56	2366.28
14	2227.00	2229.50	2230.50	2231.90	2264.40	2365.20	2405.94	2415.35	2395.05	2375.98	2365.71	2366.38
15	2227.20	2229.50	2230.50	2232.60	2266.80	2367.40	2406.27	2415.41	2394.13	2375.45	2365.84	2366.46
16	2227.40	2229.50	2230.50	2233.40	2270.00	2369.40	2406.59	2415.32	2393.34	2375.03	2366.02	2366.63
17	2227.80	2229.50	2230.50	2234.00	2275.10	2371.10	2407.05	2415.31	2392.28	2374.60	2366.33	2366.82
18	2228.20	2229.50	2230.50	2234.60	2282.00	2372.50	2407.46	2414.93	2391.22	2374.19	2366.55	2366.99
19	2228.40	2229.50	2230.50	2235.30	2284.40	2375.80	2407.81	2414.53	2390.17	2373.69	2366.72	2367.11
20	2228.60	2229.50	2230.20	2236.00	2288.60	2375.10	2408.11	2414.03	2389.52	2373.21	2366.60	2367.23
21	2228.70	2229.50	2230.00	2236.60	2298.10	2376.40	2408.47	2413.74	2388.84	2372.74	2366.35	2367.32
22	2228.80	2229.60	2230.00	2237.30	2301.70	2377.90	2408.79	2413.18	2387.92	2372.34	2366.03	2367.40
23	2229.80	2229.60	2230.00	2238.00	2304.60	2379.80	2409.26	2412.51	2386.85	2371.88	2365.75	2367.53
24	2230.40	2229.60	2230.00	2238.90	2307.50	2381.90	2409.74	2411.78	2385.92	2371.53	2365.38	2367.66
25	2230.50	2229.60	2230.00	2239.80	2310.80	2384.10	2410.13	2411.08	2385.02	2371.36	2365.10	2367.71
26	2230.50	2229.60	2230.10	2240.80	2314.40	2386.10	2410.51	2410.30	2384.03	2371.18	2364.68	2367.83
27	2230.60	2229.70	2230.20	2241.90	2317.70	2388.00	2410.88	2409.63	2383.17	2371.00	2364.36	2367.93
28	2230.60	2229.90	2230.30	2243.00	2320.50	2389.50	2411.17	2408.93	2382.56	2370.78	2364.41	2367.96
29	2230.60	---	2230.30	2244.10	2322.90	2390.80	2411.58	2408.16	2381.23	2370.58	2364.60	2368.04
30	2230.60	---	2230.30	2245.20	2325.10	2392.70	2411.83	2407.38	2381.85	2370.45	2364.79	2368.01
31	2230.50	---	2230.30	---	2327.60	---	2412.11	2406.78	---	2370.30	---	2367.91
MEAN	2228.77	2229.71	2230.27	2234.68	2280.39	2365.03	2405.75	2412.88	2393.55	2375.24	2366.41	2366.67
MAX	2230.70	2230.70	2230.50	2245.20	2327.60	2392.70	2412.11	2415.41	2406.03	2381.48	2370.07	2368.04
MIN	2227.00	2229.50	2230.00	2230.30	2246.10	2330.40	2394.60	2406.78	2381.85	2370.30	2364.36	2364.90

STATION NUMBER LATITUDE	12301920 LAKE KOOCANUSA NEAR LIBBY, MT.					DRAINAGE AREA	8985.00	DATUM	LAKE	SOURCE AGENCY USGS			
	482438	LONGITUDE	1151847							STATE	COUNTY	053	
ELEVATION, IN FEET NGVD, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1970 INSTANTANEOUS OBSERVATIONS AT 2359													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	2367.83	2358.73	2325.65	2306.08	2306.97	2346.15	2439.44	2458.80	2459.01	2452.90	2426.05	2405.06	
2	2367.78	2357.76	2324.30	2306.00	2307.03	2347.78	2440.07	2458.78	2459.01	2452.25	2425.06	2404.60	
3	2367.70	2356.75	2322.91	2305.82	2306.95	2350.05	2440.90	2458.83	2458.75	2451.45	2424.08	2404.15	
4	2367.20	2355.81	2321.58	2305.68	2306.92	2353.00	2441.56	2458.67	2458.27	2450.57	2423.34	2403.54	
5	2366.21	2354.81	2320.50	2305.52	2307.11	2355.78	2442.58	2458.30	2457.86	2449.68	2422.73	2402.98	
6	2365.21	2353.73	2319.39	2305.41	2307.93	2358.23	2443.69	2458.22	2457.40	2448.77	2422.20	2402.50	
7	2364.30	2352.62	2318.35	2305.22	2309.94	2360.54	2444.85	2458.58	2457.13	2447.82	2421.54	2401.90	
8	2363.83	2351.46	2317.25	2305.50	2313.00	2362.26	2445.70	2458.67	2457.12	2447.07	2421.03	2401.32	
9	2362.86	2350.26	2316.10	2305.53	2316.45	2364.00	2446.40	2458.64	2457.20	2446.10	2420.88	2400.78	
10	2361.86	2349.13	2314.96	2305.51	2319.25	2366.17	2447.20	2458.71	2457.34	2445.39	2419.85	2400.24	
11	2360.56	2347.95	2313.85	2305.50	2321.52	2368.06	2448.22	2458.71	2457.42	2444.53	2419.24	2399.64	
12	2359.56	2346.85	2312.70	2305.60	2323.35	2370.90	2449.22	2458.79	2457.48	2443.68	2418.30	2399.10	
13	2358.58	2345.74	2311.58	2305.62	2324.86	2374.70	2449.90	2458.81	2457.58	2442.88	2417.40	2398.40	
14	2357.80	2344.58	2310.48	2305.70	2325.94	2379.06	2450.51	2458.97	2457.63	2442.05	2416.81	2397.73	
15	2357.33	2343.41	2309.45	2305.78	2326.62	2383.86	2451.17	2458.97	2457.71	2441.13	2415.83	2396.95	
16	2358.11	2342.18	2308.45	2305.77	2327.17	2388.95	2452.09	2458.99	2457.88	2440.32	2414.46	2396.20	
17	2359.08	2341.00	2307.46	2305.62	2327.52	2394.45	2453.32	2458.97	2457.89	2439.46	2413.51	2395.50	
18	2359.73	2339.75	2306.70	2305.42	2327.79	2399.79	2454.42	2458.94	2457.94	2438.62	2412.52	2394.74	
19	2360.25	2338.55	2306.10	2305.42	2328.02	2405.40	2455.47	2458.97	2457.96	2437.72	2411.57	2394.00	
20	2360.67	2337.31	2305.76	2305.46	2328.15	2410.40	2456.66	2458.92	2457.96	2436.81	2410.58	2393.23	
21	2360.96	2336.10	2305.59	2305.55	2328.30	2415.10	2457.75	2458.94	2457.96	2435.97	2409.75	2392.45	
22	2361.21	2334.82	2305.49	2305.64	2328.52	2419.34	2458.40	2458.98	2457.80	2435.10	2409.11	2391.81	
23	2361.40	2333.45	2305.44	2305.72	2329.00	2423.15	2458.64	2459.01	2457.45	2434.24	2408.56	2391.02	
24	2361.66	2332.22	2305.43	2305.92	2329.80	2427.00	2458.89	2459.00	2456.83	2433.36	2407.96	2390.21	
25	2361.89	2330.86	2305.37	2306.42	2330.78	2430.37	2459.00	2459.04	2456.25	2432.44	2407.33	2389.42	
26	2362.11	2329.48	2305.33	2307.12	2332.36	2433.50	2458.87	2459.04	2455.58	2431.54	2406.96	2388.88	
27	2362.31	2328.30	2305.35	2307.59	2335.00	2435.71	2458.88	2459.03	2454.95	2430.65	2406.62	2388.41	
28	2362.23	2326.92	2305.45	2307.60	2338.09	2437.38	2458.80	2459.01	2454.36	2429.75	2406.25	2387.95	
29	2361.66	---	2305.68	2307.38	2340.62	2438.25	2458.98	2459.00	2453.40	2428.86	2405.83	2387.47	
30	2360.80	---	2305.80	2307.05	2342.72	2438.81	2459.03	2458.98	2453.03	2427.94	2405.43	2387.01	
31	2359.80	---	2305.96	---	2344.54	---	2458.70	2458.98	---	2426.98	---	2386.45	
MEAN	2361.98	2343.59	2311.43	2305.95	2323.94	2391.27	2451.59	2458.85	2457.15	2440.20	2414.99	2395.92	
MAX	2367.83	2358.73	2325.65	2307.60	2344.54	2438.81	2459.03	2459.04	2459.01	2452.90	2426.05	2405.06	
MIN	2357.33	2326.92	2305.33	2305.41	2306.92	2346.15	2439.44	2458.22	2453.03	2426.98	2405.43	2386.45	
CAL YR 1974	MEAN	2388.39	MAX	2459.04	MIN	2305.33							

ELEVATION, IN FEET NGVD, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975 INSTANTANEOUS OBSERVATIONS AT 2400												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2385.97	2356.65	2312.70	2287.25	2286.87	2335.60	2412.05	2443.15	2453.90	2452.78	2444.75	2429.50
2	2385.47	2355.05	2311.47	2286.93	2286.84	2338.80	2413.14	2443.67	2454.22	2452.56	2444.30	2429.05
3	2384.98	2353.18	2310.30	2286.65	2287.00	2342.45	2414.42	2444.17	2454.51	2452.30	2443.90	2428.80
4	2384.55	2351.27	2309.12	2286.50	2287.30	2346.25	2416.07	2444.68	2454.79	2452.18	2443.58	2429.14
5	2384.07	2349.35	2307.88	2286.48	2287.50	2350.00	2417.90	2445.10	2455.01	2451.97	2443.13	2429.21
6	2383.56	2347.58	2306.65	2286.46	2287.50	2353.85	2419.75	2445.50	2455.23	2451.81	2442.96	2429.18
7	2382.95	2345.84	2305.30	2286.46	2287.46	2357.60	2421.70	2445.84	2455.40	2451.64	2442.65	2429.09
8	2382.24	2344.05	2303.90	2286.50	2287.55	2360.90	2423.50	2446.22	2455.53	2451.48	2442.30	2428.96
9	2381.60	2342.36	2302.60	2286.54	2287.86	2363.25	2425.15	2446.53	2455.15	2451.30	2441.98	2428.90
10	2380.95	2340.70	2301.23	2286.54	2288.43	2365.80	2426.60	2446.87	2454.76	2451.15	2441.52	2428.62
11	2380.15	2338.90	2299.83	2286.57	2289.25	2368.00	2427.96	2447.18	2454.55	2450.98	2441.18	2428.26
12	2379.45	2337.15	2298.40	2286.61	2290.48	2370.42	2429.23	2447.46	2454.43	2450.79	2440.73	2427.57
13	2378.61	2335.33	2297.11	2286.72	2292.40	2373.30	2430.45	2447.74	2454.29	2450.56	2440.30	2426.77
14	2377.72	2333.60	2296.26	2286.86	2295.00	2376.50	2431.60	2448.03	2454.17	2450.36	2440.93	2425.91
15	2376.85	2332.06	2295.59	2286.87	2297.95	2379.40	2432.60	2448.30	2454.11	2450.16	2439.48	2425.13
16	2375.89	2330.45	2294.84	2286.89	2301.42	2382.30	2433.60	2448.50	2454.18	2449.98	2439.15	2424.26
17	2375.10	2328.83	2294.12	2286.89	2304.85	2385.00	2434.50	2448.82	2454.14	2449.79	2438.68	2423.37
18	2374.23	2327.65	2293.39	2286.86	2308.30	2387.50	2435.30	2449.09	2454.14	2449.57	2438.23	2422.45
19	2373.33	2326.41	2292.64	2286.77	2311.70	2389.68	2436.00	2449.37	2454.14	2449.45	2437.70	2421.76
20	2372.45	2324.97	2291.90	2286.68	2314.10	2391.50	2436.70	2449.64	2454.14	2449.23	2437.10	2421.45
21	2371.36	2323.46	2291.37	2286.60	2316.00	2393.45	2437.26	2449.97	2454.08	2449.05	2436.49	2421.15
22	2370.30	2322.00	2290.85	2286.60	2317.78	2396.15	2437.82	2450.17	2454.05	2448.85	2435.87	2420.50
23	2369.17	2320.60	2290.35	2286.62	2319.50	2398.30	2438.38	2450.54	2453.98	2448.55	2435.21	2419.47
24	2368.08	2319.22	2289.88	2286.68	2321.30	2400.35	2438.89	2450.86	2453.92	2448.15	2434.45	2418.44
25	2367.07	2317.86	2289.52	2286.72	2322.95	2402.70	2439.91	2451.21	2453.84	2447.60	2433.73	2417.42
26	2365.94	2316.43	2289.25	2286.76	2324.50	2404.90	2439.89	2451.52	2453.78	2447.30	2433.10	2416.30
27	2364.62	2315.13	2288.90	2286.86	2325.90	2406.90	2440.39	2451.75	2453.61	2446.90	2432.47	2415.30
28	2363.10	2313.90	2288.60	2287.10	2327.10	2408.60	2440.91	2452.05	2453.42	2446.37	2431.70	2414.27
29	2361.62	---	2288.20	2287.18	2328.60	2409.92	2441.41	2452.40	2453.23	2445.90	2430.88	2413.23
30	2360.14	---	2287.96	2287.03	2330.50	2411.08	2441.95	2452.81	2453.02	2445.43	2430.15	2412.19
31	2358.45	---	2287.65	---	2332.80	---	2442.58	2453.22	---	2445.00	---	2411.10
MEAN	2374.84	2333.93	2297.02	2286.74	2304.73	2378.36	2430.87	2448.46	2454.26	2449.65	2438.59	2423.12
MAX	2385.97	2356.65	2312.70	2287.25	2332.80	2411.08	2442.58	2453.22	2455.53	2452.78	2444.75	2429.50
MIN	2358.45	2313.90	2287.65	2286.46	2286.84	2335.60	2412.05	2443.15	2453.02	2445.00	2430.15	2411.10
CAL YR 1975	MEAN	2385.42	MAX	2455.53	MIN	2286.46						

TABLE 11. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER LATITUDE	12301920 LAKE KUMCANUSA NEAR LIBBY, MT.				DRAINAGE AREA 8985.00	DATUM	LAKE	SOURCE AGENCY USGS				
	LONGITUDE 482438	1151847						STATE 30	COUNTY 053			
ELEVATION, IN FEET NGVD, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978 INSTANTANEOUS OBSERVATIONS AT 2400												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2367.22	2348.18	2332.33	2333.53	2348.06	2396.51	2444.84	2458.78	2458.17	2455.13	2445.82	2424.89
2	2366.41	2347.29	2331.90	2334.10	2349.66	2397.49	2445.70	2458.71	2458.34	2454.88	2445.21	2424.00
3	2365.61	2346.38	2331.60	2334.53	2351.36	2398.70	2446.41	2458.69	2458.52	2454.63	2444.85	2423.09
4	2364.71	2346.31	2331.45	2334.93	2352.96	2400.49	2447.02	2458.65	2458.68	2454.34	2444.07	2422.27
5	2363.94	2346.20	2331.28	2335.29	2354.28	2403.05	2447.57	2458.60	2458.63	2454.15	2443.40	2421.41
6	2363.24	2345.50	2331.11	2335.68	2355.36	2406.15	2448.08	2458.54	2458.41	2453.83	2442.76	2420.46
7	2363.22	2344.82	2330.97	2335.95	2356.36	2409.12	2448.57	2458.49	2458.12	2453.59	2442.08	2419.51
8	2363.19	2344.16	2330.82	2336.21	2357.25	2411.85	2449.32	2458.48	2457.93	2453.29	2441.57	2418.52
9	2362.38	2343.51	2330.68	2336.51	2358.26	2414.39	2450.39	2458.33	2457.71	2453.00	2440.94	2417.59
10	2361.57	2342.85	2330.56	2336.76	2359.09	2417.03	2451.17	2458.00	2457.55	2452.65	2440.21	2417.41
11	2360.72	2342.69	2330.46	2337.07	2360.92	2419.29	2451.87	2457.79	2457.66	2452.46	2439.53	2416.85
12	2359.89	2342.56	2330.31	2337.47	2362.34	2420.86	2452.38	2457.67	2457.64	2452.27	2438.78	2415.91
13	2359.29	2341.81	2330.20	2337.88	2363.55	2422.07	2452.77	2457.89	2457.65	2452.10	2438.05	2414.86
14	2359.14	2341.27	2330.06	2338.16	2364.96	2423.26	2453.12	2457.95	2457.62	2451.92	2437.29	2414.10
15	2359.00	2340.51	2329.94	2338.55	2366.62	2424.50	2453.56	2458.00	2457.53	2451.73	2436.50	2413.15
16	2358.22	2339.78	2329.80	2338.83	2368.47	2425.65	2454.11	2458.25	2457.72	2451.48	2435.95	2412.20
17	2357.46	2339.20	2329.65	2339.09	2370.19	2426.81	2454.44	2458.23	2457.91	2451.33	2435.47	2411.60
18	2356.67	2339.09	2329.61	2339.42	2371.87	2428.05	2454.86	2458.25	2457.98	2451.24	2434.93	2410.89
19	2355.82	2338.95	2329.63	2339.73	2373.56	2429.06	2455.11	2458.49	2457.87	2451.06	2434.14	2409.94
20	2355.01	2338.23	2329.59	2340.02	2375.02	2430.29	2455.57	2458.68	2457.79	2450.93	2433.34	2408.89
21	2354.88	2337.48	2329.64	2340.41	2377.69	2431.63	2456.15	2458.71	2457.57	2450.70	2432.49	2407.94
22	2354.83	2336.73	2329.72	2340.79	2380.45	2433.13	2456.66	2458.65	2457.26	2450.54	2431.62	2407.00
23	2354.07	2335.99	2329.74	2341.21	2383.36	2434.78	2457.17	2458.63	2457.02	2450.42	2431.13	2406.04
24	2353.31	2335.20	2330.02	2341.56	2385.76	2436.43	2457.57	2458.55	2456.76	2450.10	2430.59	2405.07
25	2352.50	2335.06	2330.23	2341.95	2387.76	2437.95	2457.92	2458.54	2456.49	2449.70	2429.76	2404.11
26	2351.66	2334.95	2330.48	2342.32	2389.37	2439.27	2458.14	2458.59	2456.29	2449.30	2428.97	2403.11
27	2350.91	2334.11	2330.81	2342.84	2390.72	2440.39	2458.32	2458.74	2456.04	2448.77	2428.14	2402.41
28	2350.80	2333.24	2331.25	2343.79	2391.98	2441.58	2458.36	2458.76	2455.77	2448.22	2427.35	2401.35
29	2350.71	---	2331.57	2345.18	2393.19	2442.60	2458.46	2458.60	2455.59	2447.64	2426.53	2400.29
30	2349.91	---	2332.23	2346.61	2394.49	2443.80	2458.68	2458.40	2455.44	2447.11	2425.76	2399.26
31	2349.04	---	2332.88	---	2395.51	---	2458.69	2458.27	---	2446.48	---	2398.14
MEAN	2357.91	2340.79	2330.66	2338.88	2370.68	2422.88	2453.32	2458.42	2457.46	2451.45	2436.24	2412.01
MAX	2367.22	2348.18	2332.88	2346.61	2395.51	2443.80	2458.69	2458.78	2458.68	2455.13	2445.82	2424.89
MIN	2349.04	2333.24	2329.59	2333.53	2348.06	2396.51	2444.84	2457.67	2455.44	2446.48	2425.76	2398.14
CAL YR 1978	MEAN	2402.94	MAX	2458.78	MIN	2329.59						



TABLE 11. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER LATITUDE	12301920 LAKE KOGANUSA NEAR LIBBY, MT.				DRAINAGE AREA 8985.00	DATE	LAKE					SOURCE AGENCY USGS		
	482438	LONGITUDE 115147					STATE	30	COUNTY	053				
ELEVATION, IN FEET ABOVE CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976													INSTANTANEOUS OBSERVATIONS AT 2400	
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1	2409.95	2368.65	2339.10	2310.93	2323.11	2403.97	2443.68	2459.00	2458.52	2456.91	2443.00	2428.25		
2	2408.70	2367.30	2338.08	2310.08	2324.99	2405.15	2445.02	2459.00	2458.50	2456.65	2442.60	2427.91		
3	2407.50	2365.95	2336.75	2309.13	2325.53	2406.19	2446.80	2458.90	2458.40	2456.33	2442.10	2427.50		
4	2406.30	2364.40	2335.38	2308.27	2327.46	2407.13	2447.96	2459.00	2458.45	2456.08	2441.70	2427.25		
5	2405.20	2362.90	2334.04	2307.66	2329.62	2408.12	2449.10	2459.08	2458.45	2455.81	2441.20	2426.85		
6	2404.20	2361.40	2332.74	2307.30	2332.15	2409.06	2450.19	2459.10	2458.40	2455.60	2440.50	2426.40		
7	2403.00	2360.00	2331.36	2307.40	2334.77	2409.80	2451.00	2458.90	2458.35	2455.30	2439.80	2425.92		
8	2401.63	2358.60	2329.98	2307.60	2337.82	2410.68	2451.79	2458.82	2458.40	2454.80	2439.10	2425.40		
9	2400.30	2357.50	2328.37	2307.82	2341.30	2411.71	2452.58	2458.97	2458.45	2454.60	2438.40	2425.00		
10	2399.12	2356.20	2326.71	2308.15	2345.43	2413.35	2453.23	2458.93	2458.43	2454.30	2437.70	2424.55		
11	2397.85	2355.00	2325.40	2308.72	2350.25	2415.10	2453.75	2458.88	2458.57	2454.10	2437.00	2424.24		
12	2396.61	2353.87	2324.30	2309.52	2354.70	2416.80	2454.34	2458.90	2458.64	2453.60	2436.30	2423.90		
13	2395.30	2352.80	2323.25	2310.70	2358.43	2418.40	2455.02	2458.84	2458.69	2453.30	2435.70	2423.45		
14	2393.90	2352.05	2322.15	2311.79	2361.76	2419.75	2455.70	2458.75	2458.79	2452.90	2435.10	2422.95		
15	2392.58	2351.11	2321.10	2312.60	2365.20	2421.00	2456.21	2458.68	2458.80	2452.50	2435.60	2422.44		
16	2391.18	2350.19	2320.10	2313.60	2368.19	2422.30	2456.41	2458.63	2458.79	2452.10	2435.20	2421.90		
17	2389.62	2349.16	2319.20	2314.60	2370.75	2423.72	2456.41	2458.75	2458.75	2451.60	2434.80	2421.50		
18	2388.32	2348.28	2318.80	2315.40	2373.17	2425.24	2456.47	2458.85	2458.71	2451.20	2434.36	2421.80		
19	2387.70	2347.42	2317.60	2316.20	2375.45	2427.02	2456.75	2458.85	2458.66	2450.70	2433.87	2421.00		
20	2386.42	2346.62	2317.07	2316.80	2377.70	2428.75	2457.10	2458.85	2458.54	2450.10	2433.72	2419.33		
21	2384.94	2345.84	2316.41	2317.50	2380.00	2430.56	2457.30	2458.85	2458.36	2449.54	2433.45	2418.70		
22	2383.40	2345.09	2315.68	2318.07	2382.20	2432.16	2457.78	2458.80	2458.11	2448.10	2432.00	2418.10		
23	2382.00	2344.31	2315.26	2318.64	2384.30	2433.69	2458.25	2458.80	2457.88	2448.49	2432.35	2417.32		
24	2380.50	2343.50	2314.64	2319.20	2386.50	2435.00	2458.41	2458.80	2457.63	2448.85	2431.90	2416.52		
25	2379.00	2342.77	2314.34	2319.74	2389.30	2436.40	2458.58	2458.80	2457.42	2447.20	2431.80	2415.75		
26	2377.45	2342.05	2313.95	2320.20	2391.90	2437.60	2458.68	2458.80	2457.41	2446.55	2431.88	2414.95		
27	2375.90	2341.27	2313.69	2320.85	2394.88	2438.70	2458.85	2458.97	2457.30	2446.09	2431.20	2414.28		
28	2374.25	2340.56	2313.46	2321.35	2397.10	2439.70	2458.95	2458.89	2457.20	2445.59	2430.63	2413.60		
29	2372.82	2339.90	2313.24	2321.83	2399.50	2440.70	2458.90	2458.70	2457.16	2444.80	2429.23	2412.80		
30	2371.35	---	2312.79	2322.38	2400.60	2442.00	2458.90	2458.69	2457.07	2444.10	2428.66	2412.01		
31	2369.96	---	2311.82	---	2402.30	---	2458.98	2458.55	---	2443.40	---	2411.14		
MEAN	2390.86	2352.06	2322.46	2313.80	2363.95	2422.32	2454.63	2458.85	2458.23	2451.33	2435.76	2420.99		
MAX	2409.95	2368.65	2339.10	2322.38	2402.30	2442.00	2459.98	2459.10	2458.80	2456.91	2443.00	2428.25		
MIN	2369.96	2339.90	2311.82	2307.30	2323.11	2403.47	2443.68	2458.55	2457.07	2443.40	2428.66	2411.14		
CAL YR 1976	MEAN	2404.01	MAX	2459.10	MIN	2307.30								

ELEVATION, IN FEET ABOVE CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1	2410.30	2393.58	2380.65	2365.73	2369.40	2384.38	2413.59	2410.72	2410.96	2410.95	2400.23	2376.08		
2	2409.46	2393.15	2380.09	2364.43	2368.86	2385.36	2413.85	2410.63	2411.19	2410.90	2399.47	2375.34		
3	2408.50	2392.70	2378.88	2364.15	2368.19	2386.59	2414.22	2410.59	2411.34	2410.37	2398.55	2375.37		
4	2407.60	2391.66	2378.26	2363.38	2368.41	2387.75	2414.57	2410.14	2411.56	2409.96	2397.63	2375.33		
5	2406.68	2391.25	2378.24	2362.63	2368.60	2388.80	2414.91	2409.71	2411.80	2409.58	2397.10	2375.01		
6	2405.60	2390.80	2378.11	2361.87	2368.75	2389.68	2414.97	2409.52	2412.01	2409.05	2396.10	2374.69		
7	2404.85	2390.05	2377.98	2361.16	2368.35	2391.13	2414.84	2409.60	2412.07	2408.48	2395.20	2374.68		
8	2403.85	2389.23	2377.72	2360.44	2367.03	2392.92	2414.69	2409.51	2412.31	2408.34	2394.57	2373.96		
9	2402.80	2388.17	2377.20	2360.62	2366.30	2395.27	2414.55	2409.53	2412.05	2408.40	2393.56	2372.81		
10	2401.85	2387.05	2376.10	2360.77	2364.93	2397.30	2414.30	2409.47	2412.64	2408.27	2392.56	2372.58		
11	2401.05	2386.15	2375.16	2360.25	2366.18	2398.75	2414.24	2409.50	2412.79	2407.95	2391.51	2372.50		
12	2400.30	2386.15	2375.06	2359.67	2367.75	2400.04	2414.01	2409.85	2412.92	2407.26	2391.49	2372.21		
13	2399.63	2386.18	2375.04	2359.00	2369.12	2401.15	2413.88	2409.89	2413.04	2406.73	2391.49	2371.92		
14	2398.94	2385.40	2374.50	2358.85	2370.32	2402.16	2413.76	2410.11	2413.17	2406.23	2390.99	2371.98		
15	2398.80	2384.30	2373.94	2358.79	2371.35	2403.10	2413.65	2410.15	2413.29	2406.22	2390.46	2372.00		
16	2398.65	2383.29	2373.66	2358.96	2372.31	2404.10	2413.63	2409.78	2413.35	2406.25	2389.95	2371.72		
17	2398.90	2383.25	2373.34	2358.99	2372.86	2405.05	2413.74	2409.30	2413.44	2405.94	2389.23	2371.77		
18	2397.43	2383.26	2373.05	2359.02	2373.65	2405.99	2413.79	2408.99	2413.65	2405.93	2388.21	2371.74		
19	2397.34	2383.27	2373.00	2359.14	2374.32	2406.85	2413.58	2408.73	2413.48	2405.33	2387.12	2371.74		
20	2397.34	2383.25	2372.90	2359.22	2375.00	2407.73	2413.35	2408.83	2413.34	2404.45	2385.96	2371.52		
21	2397.34	2383.22	2372.21	2358.95	2375.66	2408.61	2413.04	2409.00	2413.22	2404.22	2384.83	2371.52		
22	2397.34	2383.10	2371.45	2358.70	2376.30	2409.46	2412.70	2408.89	2413.05	2403.57	2383.62	2371.40		
23	2397.34	2382.38	2370.67	2358.78	2377.12	2410.27	2412.37	2408.79	2413.17	2403.53	2382.51	2371.31		
24	2396.90	2381.60	2369.94	2358.93	2377.94	2411.04	2412.10	2408.82	2413.29	2402.87	2381.25	2371.19		
25	2396.40	2381.60	2369.51	2358.61	2378.89	2411.67	2411.92	2408.93	2413.41	2402.51	2380.06	2371.07		
26	2395.80	2381.54	2369.19	2358.48	2379.85	2412.32	2411.55	2409.19	2413.30	2402.34	2379.21	2370.87		
27	2395.10	2381.54	2369.22	2358.63	2380.74	2412.96	2411.26	2409.56	2413.16	2402.12	2378.20	2369.99		
28	2394.47	2381.40	2368.42	2358.76	2381.60	2413.36	2410.85	2409.83	2412.55	2401.85	2378.52	2369.17		
29	2394.43	---	2367.47	2358.87	2382.41	2413.48	2410.49	2410.12	2411.80	2401.81	2377.64	2368.38		
30	2394.41	---	2366.70	2359.60	2383.15	2413.55	2410.53	2410.40	2411.06	2401.76	2376.93	2367.50		
31	2394.00	---	2366.00	---	2383.83	---	2410.77	2410.74	---	2401.15	---	2367.39		
MEAN	2400.11	2386.32	2373.6											

TABLE 12  
LIBBY DAM

Selective Withdrawal System								Selective Withdrawal System									
Bulkhead Placement Sequence Right Side 1977								Bulkhead Removal Sequence Right Side 1977									
Bulkhead	Elevation	1	2	3	Bay 4	5	6	7	Bulkhead	Elevation	1	2	3	Bay 4	5	6	7
17	2,398.12								17	2,398.12							
16	2,387.76								16	2,387.76							
15	2,377.40								15	2,377.40							
14	2,367.40								14	2,367.04							
13	2,356.68								13	2,356.68							
12	2,346.32	18 Jul	18 Jul	18 Jul	18 Jul	18 Jul	18 Jul	18 Jul	12	2,346.32	17 Aug	17 Aug	17 Aug	17 Aug	17 Aug	17 Aug	17 Aug
11	2,335.96	7 Jul	7 Jul	7 Jul	7 Jul	7 Jul	6 Jul	6 Jul	11	2,335.96	13 Sep	13 Sep	13 Sep	13 Sep	13 Sep	13 Sep	13 Sep
10	2,325.60	7 Jul	7 Jul	7 Jul	7 Jul	7 Jul	6 Jul	6 Jul	10	2,325.60	20 Sep	20 Sep	20 Sep	20 Sep	20 Sep	20 Sep	20 Sep
9	2,315.24	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	9	2,315.24	28 Sep	28 Sep	28 Sep	28 Sep	28 Sep	28 Sep	28 Sep
8	2,304.88	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	8	2,304.88	5 Oct	5 Oct	5 Oct	5 Oct	5 Oct	5 Oct	5 Oct
7	2,294.52	21 Jun	21 Jun	22 Jun	24 Jun	22 Jun	24 Jun	28 Jun	7	2,294.52	11 Oct	11 Oct	11 Oct	11 Oct	11 Oct	11 Oct	11 Oct
6	2,284.16	21 Jun	21 Jun	22 Jun	24 Jun	22 Jun	24 Jun	28 Jun	6	2,284.16	14 Oct	14 Oct	14 Oct	14 Oct	14 Oct	14 Oct	14 Oct
5	2,273.80	20 Jun	20 Jun	20 Jun	20 Jun	20 Jun	20 Jun	28 Jun	5	2,273.80	18 Oct	18 Oct	18 Oct	18 Oct	18 Oct	18 Oct	18 Oct
4	2,263.44	20 Jun	20 Jun	20 Jun	20 Jun	20 Jun	20 Jun	28 Jun	4	2,263.44	19 Oct	19 Oct	19 Oct	19 Oct	18 Oct	18 Oct	18 Oct
3	2,253.08	13 Jun	13 Jun	13 Jun	(1) Jun	(1) Jun	(1) Jun	(3) Jun	3	2,253.08	19 Oct	19 Oct	19 Oct	19 Oct	19 Oct	19 Oct	20 Oct
2	2,242.72	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(3) Jun	2	2,242.72	21 Oct	20 Oct	20 Oct	20 Oct	20 Oct	20 Oct	20 Oct
1	2,232.36	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(2) Jun	1	2,232.36	21 Oct	21 Oct	20 Oct	20 Oct	20 Oct	20 Oct	20 Oct
1	2,222.00	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(1) Jun	(2) Jun	1	2,222.00	21 Oct	21 Oct	21 Oct	21 Oct	21 Oct	21 Oct	21 Oct

(1) placed between 6 and 10 June.  
 (2) place 13 June, removed 21 June, replaced 23 June.  
 (3) placed 13 June, removed 21 June, replaced 24 June.

TABLE 12  
LIBBY DAM

Selective Withdrawal System

Bulkhead	Elevation	Bulkhead Placement Sequence Right Side 1977						
		1	2	3	Bay 4	5	6	7
17	2,398.12	12 Jul	12 Jul	12 Jul	12 Jul	12 Jul	12 Jul	12 Jul
16	2,387.76	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul	6 Jul
15	2,377.40	28 Jun	28 Jun	28 Jun	28 Jun	28 Jun	28 Jun	28 Jun
14	2,367.04	21 Jun	21 Jun	21 Jun	21 Jun	21 Jun	21 Jun	21 Jun
13	2,356.68	14 Jun	14 Jun	14 Jun	14 Jun	14 Jun	14 Jun	14 Jun
12	2,346.32	7 Jun	7 Jun	7 Jun	7 Jun	7 Jun	7 Jun	7 Jun
11	2,335.96	1 Jun	1 Jun	1 Jun	1 Jun	1 Jun	1 Jun	1 Jun
10	2,325.60	24 May	24 May	24 May	24 May	24 May	24 May	24 May
9	2,315.24	17 May	17 May	17 May	17 May	17 May	17 May	17 May
8	2,304.88	11 May	11 May	11 May	11 May	11 May	11 May	11 May
7	2,294.52	11 May	11 May	11 May	11 May	11 May	11 May	11 May
6	2,284.16	3 May	3 May	3 May	3 May	3 May	3 May	3 May
5	2,273.80	3 May	3 May	3 May	3 May	3 May	3 May	3 May
4	2,263.44	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr
3	2,253.08	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr	26 Apr
2	2,242.72	19 Apr	19 Apr	19 Apr	19 Apr	20 Apr	20 Apr	20 Apr
1	2,232.36	19 Apr	19 Apr	19 Apr	19 Apr	19 Apr	20 Apr	20 Apr
	2,222.00							

Selective Withdrawal System

Bulkhead	Elevation	Bulkhead Removal Sequence Right Side 1977						
		1	2	3	Bay 4	5	6	7
17	2,398.12	30 Oct	30 Oct	30 Oct	30 Oct	30 Oct	30 Oct	30 Oct
16	2,387.76	9 Nov	9 Nov	9 Nov	9 Nov	9 Nov	9 Nov	9 Nov
15	2,377.40	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov
14	2,367.04	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov	27 Nov
13	2,356.68	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec
12	2,346.32	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec	6 Dec
11	2,335.96	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec
10	2,325.60	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec	12 Dec
9	2,315.24	18 Dec	18 Dec	18 Dec	18 Dec	18 Dec	18 Dec	18 Dec
8	2,304.88	19 Dec	19 Dec	19 Dec	18 Dec	18 Dec	18 Dec	18 Dec
7	2,294.52	19 Dec	19 Dec	19 Dec	19 Dec	19 Dec	20 Dec	20 Dec
6	2,284.16	20 Dec	20 Dec	20 Dec	20 Dec	20 Dec	20 Dec	20 Dec
5	2,273.80	20 Dec	20 Dec	20 Dec	20 Dec	20 Dec	21 Dec	21 Dec
4	2,263.44	26 Dec	26 Dec	22 Dec	22 Dec	21 Dec	21 Dec	21 Dec
3	2,253.08	26 Dec	26 Dec	22 Dec	22 Dec	21 Dec	21 Dec	21 Dec
2	2,242.72	26 Dec	26 Dec	22 Dec	22 Dec	21 Dec	21 Dec	1 Jan (79)
1	2,232.36	26 Dec	26 Dec	26 Dec	22 Dec	22 Dec	21 Dec	1 Jan (79)
	2,222.00							

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 27 JUN 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	0.5	2380.1	0725.4	12.8		9.6		
3.2	1.0	2378.5	0724.9	12.2		9.5		
6.5	2.0	2375.2	0723.9	12.0		8.8		
9.8	3.0	2371.9	0722.9	11.4		8.2	190	
13.1	4.0	2368.6	0721.9	11.3	7.5	8.3		
19.6	6.0	2362.1	0719.9	11.2		8.4		
26.2	8.0	2355.5	0717.9	11.0		8.5		
32.8	10.0	2349.0	0715.9	10.6		8.7		
39.3	12.0	2342.4	0713.9	10.1		8.9		
52.4	16.0	2329.3	0709.9	10.0		9.0		
65.6	20.0	2316.2	0705.9	10.0		9.2		
78.7	24.0	2303.0	0701.9	10.0		9.2		
91.8	28.0	2289.9	0697.9	10.0		9.2		
104.9	32.0	2276.8	0693.9	10.0		9.0		
118.0	36.0	2263.7	0689.9	9.9		9.0		
131.2	40.0	2250.6	0685.9	9.7		9.0		
150.8	46.0	2230.9	0679.9	9.5		9.0		
164.0	50.0	2217.8	0675.9	9.5		8.8		
177.1	54.0	2204.6	0671.9	9.2		8.8		
183.6	56.0	2198.1	0669.9	9.1		8.8		
190.2	58.0	2191.5	0667.9	9.0		8.8		
196.8	60.0	2185.0	0665.9	9.0		8.8		
203.3	62.0	2178.4	0663.9	9.0		8.7		
209.9	64.0	2171.8	0661.9	9.0		8.7		
216.4	66.0	2165.3	0659.9	9.0		8.6		
223.0	68.0	2158.7	0657.9	9.0		8.6		
229.6	70.0	2152.2	0655.9	9.0		8.4		
236.1	72.0	2145.6	0653.9	9.0		8.1		
242.7	74.0	2139.0	0651.9	8.7		7.9		
249.2	76.0	2132.5	0649.9	8.5		7.7		
255.8	78.0	2125.9	0647.9	8.4		7.4		
262.4	80.0	2119.4	0645.9	8.3		7.4		

WATER QUALITY SAMPLING DATE: 05 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	0.5	2385.5	0727.1	19.1		13.1		
3.2	1.0	2383.9	0726.6	18.5		13.1		
6.5	2.0	2380.6	0725.6	16.5		10.8		
13.1	4.0	2374.0	0723.6	15.1		10.3		
19.6	6.0	2367.5	0721.6	14.8		10.2		
26.2	8.0	2360.9	0719.6	14.4		9.9		
32.8	10.0	2354.4	0717.6	14.0		9.8		
39.3	12.0	2347.8	0715.6	12.5		8.6		
45.9	14.0	2341.2	0713.6	12.0		8.6		
52.4	16.0	2334.7	0711.6	10.9		8.7		
65.6	20.0	2321.6	0707.6	10.4		8.9		
78.7	24.0	2308.4	0703.6	10.1		9.1		
91.8	28.0	2295.3	0699.6	10.0		9.2		
104.9	32.0	2282.2	0695.6	10.0		9.1		
118.0	36.0	2269.1	0691.6	10.0		9.1		
131.2	40.0	2256.0	0687.6	9.9		9.0		
144.3	44.0	2242.8	0683.6	9.8		9.2		
157.4	48.0	2229.7	0679.6	9.8		9.2		
170.5	52.0	2216.6	0675.6	9.6		9.2		
183.6	56.0	2203.5	0671.6	9.5		8.9		
196.8	60.0	2190.4	0667.6	9.1		8.8		
209.9	64.0	2177.2	0663.6	9.0		8.7		
223.0	68.0	2164.1	0659.6	9.0		8.6		
236.1	72.0	2151.0	0655.6	9.0		8.5		
249.2	76.0	2137.9	0651.6	9.0		8.5		
262.4	80.0	2124.8	0647.6	9.0		8.4		
265.6	81.0	2121.5	0646.6	9.0		8.4		

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 12 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LTGT TRANSMISSIBILITY (PERCENT)
0.4	0.1	2397.9	0730.8	14.3		8.5	180	
1.6	0.5	2396.7	0730.5	14.3		8.5	180	
3.2	1.0	2395.1	0730.0	14.2		8.5	180	
6.5	2.0	2391.8	0729.0	14.0		8.3	180	
9.8	3.0	2388.5	0728.0	13.9	7.9	8.1	180	
13.1	4.0	2385.2	0727.0	13.8		8.1	180	
16.4	5.0	2382.0	0726.0	13.6		8.1	180	
22.9	7.0	2375.4	0724.0	13.1		8.0	180	
29.5	9.0	2368.8	0722.0	12.6		8.0	180	
36.0	11.0	2362.3	0720.0	12.0		7.9	175	
42.6	13.0	2355.7	0718.0	11.5		7.9	175	
49.2	15.0	2349.2	0716.0	11.0		8.0	175	
62.3	19.0	2336.0	0712.0	10.8		8.1	170	
75.4	23.0	2322.9	0708.0	10.3		8.2	170	
88.5	27.0	2309.8	0704.0	10.1		8.4	175	
101.6	31.0	2296.7	0700.0	10.0		8.5	175	
114.8	35.0	2283.6	0696.0	10.0		8.7	175	
127.9	39.0	2270.4	0692.0	9.9		8.7	175	
141.0	43.0	2257.3	0688.0	9.9		8.7	175	
154.1	47.0	2244.2	0684.0	9.8		8.6	175	
167.2	51.0	2231.1	0680.0	9.7		8.5	170	
180.4	55.0	2218.0	0676.0	9.4		8.5	170	
193.5	59.0	2204.8	0672.0	9.3		8.4	170	
206.6	63.0	2191.7	0668.0	9.0		8.2	170	
219.7	67.0	2178.6	0664.0	9.0		8.0	170	
232.8	71.0	2165.5	0660.0	9.0		8.0	170	
246.0	75.0	2152.4	0656.0	9.0		7.8	170	
259.1	79.0	2139.2	0652.0	9.0		7.5	170	
265.6	81.0	2132.7	0650.0	9.0		7.7	170	
268.9	82.0	2129.4	0649.0	9.0		7.5	170	

WATER QUALITY SAMPLING DATE: 18 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LTGT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2402.7	0732.3	17.8		9.4	180	
1.6	0.5	2401.4	0731.9	17.8		9.4	180	
3.2	1.0	2399.8	0731.4	17.8		9.4	180	
6.5	2.0	2396.5	0730.4	17.8		9.3	180	
9.8	3.0	2393.2	0729.4	17.7	8.0	9.4	180	
13.1	4.0	2389.9	0728.4	17.5		9.4	180	
16.4	5.0	2386.7	0727.4	17.0		9.6	180	
19.6	6.0	2383.4	0726.4	16.1		9.6	180	
22.9	7.0	2380.1	0725.4	15.6		9.4	180	
26.2	8.0	2376.8	0724.4	15.2		9.4	185	
29.5	9.0	2373.5	0723.4	14.9		9.2	180	
32.8	10.0	2370.3	0722.4	14.4		9.0	180	
36.0	11.0	2367.0	0721.4	14.2		9.0	180	
39.3	12.0	2363.7	0720.4	13.1		8.6	185	
45.9	14.0	2357.1	0718.4	12.8		8.5	170	
59.0	18.0	2344.0	0714.4	12.1		8.5	175	
72.1	22.0	2330.9	0710.4	11.8		8.6	175	
85.2	26.0	2317.8	0706.4	11.6		8.6	175	
98.4	30.0	2304.7	0702.4	11.2		8.6	175	
111.5	34.0	2291.5	0698.4	10.9		8.8	175	
124.6	38.0	2278.4	0694.4	10.4		9.0	170	
137.7	42.0	2265.3	0690.4	10.2		9.2	170	
150.8	46.0	2252.2	0686.4	10.1		9.4	175	
164.0	50.0	2239.1	0682.4	10.1		9.4	175	
177.1	54.0	2225.9	0678.4	10.0		9.4	175	
190.2	58.0	2212.8	0674.4	9.9		9.4	175	
203.3	62.0	2199.7	0670.4	9.8		9.4	175	
216.4	66.0	2186.6	0666.4	9.5		9.1	175	
229.6	70.0	2173.5	0662.4	9.4		9.0	170	
236.1	72.0	2166.9	0660.4	9.4		8.9	170	
242.7	74.0	2160.3	0658.4	9.4		8.7	170	
249.2	76.0	2153.8	0656.4	9.3		8.5	170	
255.8	78.0	2147.2	0654.4	9.2		8.2	170	
262.4	80.0	2140.7	0652.4	9.2		7.9	170	
268.9	82.0	2134.1	0650.4	9.2		7.9	170	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 24 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2404.0	0732.7	18.0		8.6	185	
1.6	0.5	2402.7	0732.3	18.0		8.7	180	
3.2	1.0	2401.1	0731.8	18.0		8.7	180	
6.5	2.0	2397.8	0730.8	17.5		8.8	180	
9.8	3.0	2394.5	0729.8	17.0	7.4	8.9	185	
13.1	4.0	2391.2	0728.8	16.5		8.4	185	
16.4	5.0	2388.0	0727.8	15.5		8.4	185	
26.2	8.0	2378.1	0724.8	15.0		8.3	180	
36.0	11.0	2368.3	0721.8	14.0		8.4	180	
42.6	13.0	2361.7	0719.8	14.0		8.4	180	
49.2	15.0	2355.2	0717.8	14.0		8.2	180	
55.7	17.0	2348.6	0715.8	13.5		8.2	180	
62.3	19.0	2342.0	0713.8	13.5		8.2	180	
68.8	21.0	2335.5	0711.8	12.5		7.6	180	
82.0	25.0	2322.4	0707.8	12.0		7.8	175	
88.5	27.0	2315.8	0705.8	11.0		8.1	180	
95.1	29.0	2309.2	0703.8	11.0		8.4	180	
101.6	31.0	2302.7	0701.8	11.0		8.5	180	
114.8	35.0	2289.6	0697.8	10.0		8.4	175	
127.9	39.0	2276.4	0693.8	10.0		8.6	175	
141.0	43.0	2263.3	0689.8	10.0		8.6	175	
154.1	47.0	2250.2	0685.8	10.0		8.7	175	
167.2	51.0	2237.1	0681.8	10.0		8.5	175	
180.4	55.0	2224.0	0677.8	9.5		8.4	175	
193.5	59.0	2210.8	0673.8	9.5		8.4	175	
206.6	63.0	2197.7	0669.8	9.5		8.4	175	
219.7	67.0	2184.6	0665.8	9.5		8.2	175	
232.8	71.0	2171.5	0661.8	9.5		7.9	175	
246.0	75.0	2158.4	0657.8	9.5		7.9	175	
259.1	79.0	2145.2	0653.8	9.0		7.2	175	
272.2	83.0	2132.1	0649.8	9.0		6.8	175	
285.3	87.0	2119.0	0645.8	9.0		6.7	175	
298.4	91.0	2105.9	0641.8	9.0		6.5	175	

WATER QUALITY SAMPLING DATE: 01 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2401.7	0732.0	19.2		9.4	183	
1.6	0.5	2400.4	0731.6	18.5		9.7	182	
3.2	1.0	2398.8	0731.1	17.2		9.8	182	
6.5	2.0	2395.5	0730.1	15.5		9.7	185	
9.8	3.0	2392.2	0729.1	15.1	7.8	9.6	184	
13.1	4.0	2388.9	0728.1	15.0		9.7	184	
19.6	6.0	2382.4	0726.1	14.8		9.4	183	
26.2	8.0	2375.8	0724.1	14.2		9.2	183	
36.0	11.0	2366.0	0721.1	14.0		8.8	182	
45.9	14.0	2356.1	0718.1	13.9		8.8	182	
55.7	17.0	2346.3	0715.1	13.4		8.3	178	
65.6	20.0	2336.5	0712.1	12.5		8.2	179	
75.4	23.0	2326.6	0709.1	12.0		8.5	181	
85.2	26.0	2316.8	0706.1	11.8		9.1	182	
95.1	29.0	2306.9	0703.1	11.5		9.2	181	
104.9	32.0	2297.1	0700.1	11.2		9.3	183	
118.0	36.0	2284.0	0696.1	11.0		9.4	181	
131.2	40.0	2270.9	0692.1	11.0		9.3	180	
144.3	44.0	2257.7	0688.1	10.9		9.4	180	
157.4	48.0	2244.6	0684.1	10.2		9.4	177	
170.5	52.0	2231.5	0680.1	10.0		9.3	179	
183.6	56.0	2218.4	0676.1	10.0		9.3	177	
196.8	60.0	2205.3	0672.1	9.8		9.0	178	
209.9	64.0	2192.1	0668.1	9.6		8.7	177	
223.0	68.0	2179.0	0664.1	9.5		8.6	177	
229.6	70.0	2172.5	0662.1	9.5		8.2	178	
236.1	72.0	2165.9	0660.1	9.3		7.7	179	
246.0	75.0	2156.1	0657.1	9.2		7.3	181	
259.1	79.0	2142.9	0653.1	9.2		7.1	183	
268.9	82.0	2133.1	0650.1	9.2		6.8	183	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 08 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2399.7	0731.4	22.0		9.0	186	
1.6	0.5	2398.4	0731.0	21.0		9.2	186	
3.2	1.0	2396.8	0730.5	19.9		9.2	185	
6.5	2.0	2393.5	0729.5	18.8		9.2	186	
9.8	3.0	2390.2	0728.5	18.2	8.5	9.3	184	
13.1	4.0	2386.9	0727.5	17.2		9.3	186	
16.4	5.0	2383.7	0726.5	17.2		9.1	185	
19.6	6.0	2380.4	0725.5	16.9		9.0	185	
22.9	7.0	2377.1	0724.5	16.5		9.0	186	
26.2	8.0	2373.8	0723.5	16.0		8.8	185	
32.8	10.0	2367.3	0721.5	15.2		8.8	185	
42.6	13.0	2357.4	0718.5	15.0		8.7	183	
52.4	16.0	2347.6	0715.5	14.1		8.3	181	
62.3	19.0	2337.7	0712.5	13.5		7.9	180	
72.1	22.0	2327.9	0709.5	12.9		8.1	180	
82.0	25.0	2318.1	0706.5	12.1		8.4	182	
91.8	28.0	2308.2	0703.5	12.0		8.5	182	
104.9	32.0	2295.1	0699.5	11.4		8.8	184	
118.0	36.0	2282.0	0695.5	11.2		9.0	184	
131.2	40.0	2268.9	0691.5	11.0		9.0	183	
144.3	44.0	2255.7	0687.5	10.8		8.9	182	
157.4	48.0	2242.6	0683.5	10.6		8.8	181	
170.5	52.0	2229.5	0679.5	10.5		8.9	180	
183.6	56.0	2216.4	0675.5	10.1		8.8	180	
196.8	60.0	2203.3	0671.5	10.0		8.5	180	
209.9	64.0	2190.1	0667.5	9.9		8.4	182	
223.0	68.0	2177.0	0663.5	9.8		8.2	182	
236.1	72.0	2163.9	0659.5	9.6		7.7	183	
242.7	74.0	2157.3	0657.5	9.4		7.6	183	
249.2	76.0	2150.8	0655.5	9.2		6.8	183	
262.4	80.0	2137.7	0651.5	9.2		6.9	183	
275.5	84.0	2124.5	0647.5	9.1		6.6	183	
285.3	87.0	2114.7	0644.5	9.0		6.4	184	

WATER QUALITY SAMPLING DATE: 15 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2399.8	0731.4	21.2		8.8	190	
1.6	0.5	2398.5	0731.0	21.1		8.8	190	
3.2	1.0	2396.9	0730.5	21.0		8.8	190	
6.5	2.0	2393.6	0729.5	20.9		8.7	190	
9.8	3.0	2390.3	0728.5	20.9	7.9	8.7	190	
13.1	4.0	2387.0	0727.5	20.8		8.8	190	
16.4	5.0	2383.8	0726.5	20.7		8.8	190	
19.6	6.0	2380.5	0725.5	20.4		8.7	190	
22.9	7.0	2377.2	0724.5	20.1		8.8	195	
26.2	8.0	2373.9	0723.5	19.8		8.8	195	
29.5	9.0	2370.6	0722.5	19.0		8.8	190	
32.8	10.0	2367.4	0721.5	19.0		8.8	190	
36.0	11.0	2364.1	0720.5	18.2		8.8	185	
39.3	12.0	2360.8	0719.5	17.2		8.4	190	
42.6	13.0	2357.5	0718.5	16.0		7.8	185	
49.2	15.0	2351.0	0716.5	15.6		7.9	190	
55.7	17.0	2344.4	0714.5	15.0		7.9	185	
65.6	20.0	2334.6	0711.5	14.2		7.8	180	
75.4	23.0	2324.7	0708.5	13.9		7.5	180	
85.2	26.0	2314.9	0705.5	13.0		7.4	180	
98.4	30.0	2301.8	0701.5	12.2		8.1	180	
111.5	34.0	2288.6	0697.5	11.9		8.2	180	
124.6	38.0	2275.5	0693.5	11.5		8.6	180	
137.7	42.0	2262.4	0689.5	11.1		8.6	185	
150.8	46.0	2249.3	0685.5	10.9		8.5	185	
164.0	50.0	2236.2	0681.5	10.5		8.4	185	
177.1	54.0	2223.0	0677.5	10.2		8.4	180	
190.2	58.0	2209.9	0673.5	9.9		8.0	180	
203.3	62.0	2196.8	0669.5	9.6		7.4	180	
216.4	66.0	2183.7	0665.5	9.5		7.2	180	
229.6	70.0	2170.6	0661.5	9.3		6.6	180	
242.7	74.0	2157.4	0657.5	9.3		6.6	180	
255.8	78.0	2144.3	0653.6	9.2		6.2	190	
265.6	81.0	2134.5	0650.6	9.2		5.8	190	
275.5	84.0	2124.6	0647.6	9.2		5.5	190	
285.3	87.0	2114.8	0644.6	9.4		5.2	190	
295.2	90.0	2105.0	0641.6	9.5		5.0	190	

TABLE 13. STATION NO. 12301919, LAKE KOCCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 22 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2401.0	0731.8	21.2		8.8	190	
1.6	0.5	2399.7	0731.4	21.2		8.8	190	
3.2	1.0	2398.1	0730.9	21.2		8.8	190	
6.5	2.0	2394.8	0729.9	21.2		8.8	190	
9.8	3.0	2391.5	0728.9	21.0	8.8	8.9	190	
13.1	4.0	2388.2	0727.9	20.8		8.9	190	
16.4	5.0	2385.0	0726.9	20.4		8.9	190	
19.6	6.0	2381.7	0725.9	20.1		8.8	190	
26.2	8.0	2375.1	0723.9	19.6		8.8	190	
32.8	10.0	2368.6	0721.9	18.3		8.4	190	
39.3	12.0	2362.0	0719.9	17.8		8.2	190	
45.9	14.0	2355.4	0717.9	16.3		8.0	185	
55.7	17.0	2345.6	0714.9	15.5		7.8	185	
65.6	20.0	2335.8	0711.9	14.9		8.0	185	
75.4	23.0	2325.9	0708.9	14.5		7.9	185	
85.2	26.0	2316.1	0705.9	14.0		7.8	185	
95.1	29.0	2306.2	0702.9	13.4		7.5	185	
108.2	33.0	2293.1	0698.9	12.9		7.7	185	
121.3	37.0	2280.0	0694.9	12.1		8.2	185	
134.4	41.0	2266.9	0690.9	11.8		8.5	185	
147.6	45.0	2253.8	0686.9	11.2		8.5	185	
160.7	49.0	2240.6	0682.9	11.0		8.5	185	
173.8	53.0	2227.5	0678.9	10.5		8.1	185	
186.9	57.0	2214.4	0674.9	10.2		8.0	185	
200.0	61.0	2201.3	0670.9	10.1		7.8	185	
213.2	65.0	2188.2	0666.9	9.9		7.6	180	
226.3	69.0	2175.0	0662.9	9.7		7.1	180	
239.4	73.0	2161.9	0658.9	9.5		6.3	190	
252.5	77.0	2148.8	0654.9	9.5		5.6	190	
265.6	81.0	2135.7	0650.9	9.3		4.8	190	
275.5	84.0	2125.8	0647.9	9.7		4.4	190	

WATER QUALITY SAMPLING DATE: 28 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2403.6	0732.6	22.5		8.5	190	56.000
1.6	0.5	2402.3	0732.2	22.2		8.6	190	56.000
3.2	1.0	2400.7	0731.7	22.0		8.6	190	56.000
6.5	2.0	2397.4	0730.7	21.8		8.6	185	56.000
9.8	3.0	2394.1	0729.7	21.4	8.4	8.6	190	56.000
13.1	4.0	2390.8	0728.7	21.1		8.7	195	56.000
16.4	5.0	2387.6	0727.7	20.1		8.9	190	54.000
19.6	6.0	2384.3	0726.7	19.1		8.6	190	52.000
29.5	9.0	2374.4	0723.7	18.2		8.1	190	52.000
39.3	12.0	2364.6	0720.7	16.5		7.7	185	52.000
49.2	15.0	2354.8	0717.7	15.2		7.6	185	48.000
59.0	18.0	2344.9	0714.7	15.0		7.7	185	45.000
72.1	22.0	2331.8	0710.7	14.5		7.6	185	42.000
85.2	26.0	2318.7	0706.7	14.1		7.6	180	45.000
98.4	30.0	2305.6	0702.7	13.8		7.4	185	46.000
111.5	34.0	2292.4	0698.7	13.0		7.5	185	46.000
124.6	38.0	2279.3	0694.7	12.2		8.2	180	46.000
137.7	42.0	2266.2	0690.7	11.8		8.4	180	46.000
150.8	46.0	2253.1	0686.7	11.2		8.5	185	46.000
164.0	50.0	2240.0	0682.7	11.0		8.2	185	34.000
177.1	54.0	2226.8	0678.7	10.8		8.1	185	34.000
190.2	58.0	2213.7	0674.7	10.5		7.8	185	30.000
203.3	62.0	2200.6	0670.7	10.1		7.6	180	28.000
216.4	66.0	2187.5	0666.7	9.9		7.2	180	23.000
229.6	70.0	2174.4	0662.7	9.8		6.4	190	21.000
242.7	74.0	2161.2	0658.7	9.5		5.6	190	20.000
255.8	78.0	2148.1	0654.7	9.4		4.7	190	19.000
268.9	82.0	2135.0	0650.7	9.3		3.6	195	20.000
278.8	85.0	2125.2	0647.7	9.4		3.0	195	20.000



TABLE 13. STATION NO. 12301919, LAKE KODCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 05 SEP 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2404.0	0732.7	20.0		9.0	195	
1.6	0.5	2402.7	0732.3	20.0		9.0	195	
3.2	1.0	2401.1	0731.8	20.0		8.8	195	
6.5	2.0	2397.8	0730.8	20.0		8.8	195	
9.8	3.0	2394.5	0729.8	20.0	R.R	8.9	195	
13.1	4.0	2391.2	0728.8	19.9		8.8	195	
16.4	5.0	2388.0	0727.8	19.8		8.9	195	
19.6	6.0	2384.7	0726.8	19.3		8.4	195	
26.2	8.0	2378.1	0724.8	18.8		7.8	195	
32.8	10.0	2371.6	0722.8	18.0		7.4	190	
39.3	12.0	2365.0	0720.8	17.8		7.3	190	
45.9	14.0	2358.4	0718.8	17.1		7.4	190	
55.7	17.0	2348.6	0715.8	16.5		7.1	190	
65.6	20.0	2338.8	0712.8	16.0		7.1	180	
75.4	23.0	2328.9	0709.8	15.2		7.2	190	
85.2	26.0	2319.1	0706.8	14.3		7.4	185	
95.1	29.0	2309.2	0703.8	13.8		7.3	185	
108.2	33.0	2296.1	0699.8	13.0		7.5	185	
121.3	37.0	2283.0	0695.8	12.4		7.8	180	
134.4	41.0	2269.9	0691.8	11.9		8.2	180	
147.6	45.0	2256.8	0687.8	11.7		8.4	185	
160.7	49.0	2243.6	0683.8	11.1		8.2	185	
173.8	53.0	2230.5	0679.8	10.8		7.8	185	
186.9	57.0	2217.4	0675.8	10.5		7.5	185	
200.0	61.0	2204.3	0671.8	10.1		7.3	185	
213.2	65.0	2191.2	0667.8	10.0		6.8	185	
226.3	69.0	2178.0	0663.8	9.8		6.4	190	
239.4	73.0	2164.9	0659.8	9.5		5.2	190	
252.5	77.0	2151.8	0655.8	9.3		3.4	195	
265.6	81.0	2138.7	0651.8	9.4		2.8	195	
275.5	84.0	2128.8	0648.8	9.3		1.8	205	

WATER QUALITY SAMPLING DATE: 11 SEP 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2404.1	0732.7	17.5		8.6	195	
1.6	0.5	2402.8	0732.3	17.5		8.5	195	
3.2	1.0	2401.2	0731.8	17.5		8.5	195	
6.5	2.0	2397.9	0730.8	17.5		8.5	195	
9.8	3.0	2394.6	0729.8	17.4	8.4	8.5	195	
13.1	4.0	2391.3	0728.8	17.2		8.5	195	
16.4	5.0	2388.1	0727.8	17.1		8.4	195	
19.6	6.0	2384.8	0726.8	17.1		8.3	195	
22.9	7.0	2381.5	0725.8	17.0		8.2	195	
29.5	9.0	2374.9	0723.8	17.0		8.2	195	
36.0	11.0	2368.4	0721.8	17.0		8.2	195	
42.6	13.0	2361.8	0719.8	17.0		8.2	190	
49.2	15.0	2355.3	0717.8	17.0		8.2	190	
55.7	17.0	2348.7	0715.8	17.0		8.2	190	
62.3	19.0	2342.1	0713.8	16.8		8.2	190	
68.8	21.0	2335.6	0711.8	15.8		7.2	190	
78.7	24.0	2325.7	0708.8	15.0		7.5	185	
88.5	27.0	2315.9	0705.8	14.2		7.5	185	
98.4	30.0	2306.1	0702.8	13.9		7.3	180	
111.5	34.0	2292.9	0698.9	13.4		7.4	185	
124.6	38.0	2279.8	0694.9	12.8		7.8	185	
137.7	42.0	2266.7	0690.9	12.1		8.1	180	
150.8	46.0	2253.6	0686.9	11.7		8.6	180	
164.0	50.0	2240.5	0682.9	11.1		8.1	185	
177.1	54.0	2227.3	0678.9	11.0		8.0	185	
190.2	58.0	2214.2	0674.9	10.7		7.4	185	
203.3	62.0	2201.1	0670.9	10.3		7.1	185	
216.4	66.0	2188.0	0666.9	10.1		6.9	185	
226.3	69.0	2178.1	0663.9	10.0		6.3	185	
236.1	72.0	2168.3	0660.9	9.7		5.0	190	
246.0	75.0	2158.5	0657.9	9.4		3.9	195	
259.1	79.0	2145.3	0653.9	9.2		2.2	195	
272.2	83.0	2132.2	0649.9	9.2		1.7	205	
285.3	87.0	2119.1	0645.9	9.1		1.4	205	
295.2	90.0	2109.3	0642.9	9.0		1.3	205	

TABLE 13. STATION NO. 12301919, LAKE KOOCANIISA AT FOREBAY

WATER QUALITY SAMPLING DATE: 18 SEP 72.

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2396.4	0730.4	16.8		8.4	190	
1.6	0.5	2395.1	0730.0	16.8		8.4	190	
3.2	1.0	2393.5	0729.5	16.8		8.4	190	
6.5	2.0	2390.2	0728.5	16.4		8.5	190	
9.8	3.0	2386.9	0727.5	16.4	8.3	8.5	190	
13.1	4.0	2383.6	0726.5	16.4		8.3	190	
16.4	5.0	2380.4	0725.5	16.4		8.4	190	
19.6	6.0	2377.1	0724.5	16.2		8.4	190	
26.2	8.0	2370.5	0722.5	16.2		8.4	190	
32.8	10.0	2364.0	0720.5	16.2		8.3	190	
39.3	12.0	2357.4	0718.5	16.2		8.4	190	
45.9	14.0	2350.8	0716.5	16.2		8.3	190	
55.7	17.0	2341.0	0713.5	16.0		8.3	190	
65.6	20.0	2331.2	0710.5	16.0		7.6	190	
75.4	23.0	2321.3	0707.5	15.6		7.6	190	
85.2	26.0	2311.5	0704.5	15.0		7.8	185	
95.1	29.0	2301.6	0701.5	15.0		7.8	185	
104.9	32.0	2291.8	0698.5	14.8		8.0	180	
118.0	36.0	2278.7	0694.5	14.0		8.2	180	
131.2	40.0	2265.6	0690.5	13.6		8.4	185	
144.3	44.0	2252.4	0686.5	13.2		8.5	185	
157.4	48.0	2239.3	0682.5	12.4		8.7	180	
170.5	52.0	2226.2	0678.5	12.2		8.8	180	
183.6	56.0	2213.1	0674.5	11.8		8.6	180	
196.8	60.0	2200.0	0670.5	11.2		8.1	185	
209.9	64.0	2186.8	0666.5	11.2		7.8	185	
223.0	68.0	2173.7	0662.5	10.8		6.9	185	
236.1	72.0	2160.6	0658.5	10.8		6.9	185	
249.2	76.0	2147.5	0654.5	10.6		6.7	185	
262.4	80.0	2134.4	0650.5	10.0		5.2	185	
275.5	84.0	2121.2	0646.5	10.0		4.7	195	
285.3	87.0	2111.4	0643.5	10.0		3.8	195	

WATER QUALITY SAMPLING DATE: 25 SEP 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.3	0.1	2387.8	0727.8	15.2		8.2	195	
1.6	0.5	2386.5	0727.4	15.2		8.2	195	
3.2	1.0	2384.9	0726.9	15.2		8.2	195	
6.5	2.0	2381.6	0725.9	15.2		8.2	195	
9.8	3.0	2378.3	0724.9	15.2		8.2	195	
13.1	4.0	2375.0	0723.9	15.2		8.2	195	
19.6	6.0	2368.5	0721.9	15.2		8.2	190	
26.2	8.0	2361.9	0719.9	15.2		8.2	190	
32.8	10.0	2355.4	0717.9	15.2		8.2	190	
39.3	12.0	2348.8	0715.9	15.2		8.2	190	
49.2	15.0	2339.0	0712.9	15.2		8.1	190	
59.0	18.0	2329.1	0709.9	15.2		8.1	190	
68.8	21.0	2319.3	0706.9	15.2		8.1	190	
78.7	24.0	2309.4	0703.9	15.2		8.2	190	
88.5	27.0	2299.6	0700.9	15.2		8.0	190	
98.4	30.0	2289.8	0697.9	14.9		7.8	185	
111.5	34.0	2276.6	0693.9	14.5		7.8	185	
124.6	38.0	2263.5	0689.9	14.1		7.6	190	
137.7	42.0	2250.4	0685.9	13.8		7.6	190	
150.8	46.0	2237.3	0681.9	13.2		7.4	190	
164.0	50.0	2224.2	0677.9	12.8		7.4	190	
177.1	54.0	2211.0	0673.9	12.2		7.5	190	
190.2	58.0	2197.9	0669.9	11.5		6.7	190	
203.3	62.0	2184.8	0665.9	11.2		6.1	190	
216.4	66.0	2171.7	0661.9	11.0		5.4	190	
229.6	70.0	2158.6	0657.9	10.9		4.7	190	
242.7	74.0	2145.4	0653.9	10.7		4.4	190	
252.5	77.0	2135.6	0650.9	10.5		3.8	190	
262.4	80.0	2125.8	0647.9	10.4		3.0	190	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 02 OCT 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2376.9	0724.4	15.0		8.7	200	
1.6	0.5	2375.2	0723.9	15.0		8.7	200	
3.2	1.0	2373.6	0723.4	15.0		8.7	200	
6.5	2.0	2370.3	0722.4	14.8		8.7	200	
9.8	3.0	2367.0	0721.4	14.8	8.0	8.7	200	
13.1	4.0	2363.7	0720.4	14.8		8.8	200	
19.6	6.0	2357.2	0718.4	14.8		8.8	200	
26.2	8.0	2350.6	0716.4	14.8		8.8	200	
32.8	10.0	2344.1	0714.4	14.8		8.7	200	
42.6	13.0	2334.2	0711.4	14.8		8.7	200	
52.4	16.0	2324.4	0708.4	14.8		8.6	200	
62.3	19.0	2314.5	0705.4	14.8		8.6	200	
72.1	22.0	2304.7	0702.4	14.8		8.7	190	
82.0	25.0	2294.9	0699.4	14.8		8.7	190	
91.8	28.0	2285.0	0696.4	14.6		8.6	190	
101.6	31.0	2275.2	0693.4	14.6		8.6	190	
114.8	35.0	2262.1	0689.4	14.2		8.3	200	
127.9	39.0	2248.9	0685.4	14.0		7.1	200	
141.0	43.0	2235.8	0681.4	14.0		6.6	200	
154.1	47.0	2222.7	0677.4	13.8		6.6	200	
167.2	51.0	2209.6	0673.4	13.2		6.3	200	
180.4	55.0	2196.5	0669.4	12.8		6.0	200	
193.5	59.0	2183.3	0665.4	12.0		6.2	200	
206.6	63.0	2170.2	0661.4	11.8		6.0	200	
213.2	65.0	2163.7	0659.4	11.4		5.4	200	
219.7	67.0	2157.1	0657.4	11.0		4.4	200	
232.8	71.0	2144.0	0653.4	11.0		4.0	200	
246.0	75.0	2130.9	0649.4	11.0		3.4	200	
255.8	78.0	2121.0	0646.4	10.8		2.5	200	

WATER QUALITY SAMPLING DATE: 17 OCT 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2347.6	0715.5	13.5			215	
1.6	0.5	2345.9	0715.0	13.5			215	
3.2	1.0	2344.3	0714.5	13.5			215	
6.5	2.0	2341.0	0713.5	13.5			215	8.900
9.8	3.0	2337.7	0712.5	13.5	7.8		215	8.600
13.1	4.0	2334.4	0711.5	13.7			215	8.500
19.6	6.0	2327.9	0709.5	13.7			215	8.400
26.2	8.0	2321.3	0707.5	13.7			215	8.400
36.0	11.0	2311.5	0704.5	13.7			215	8.400
45.9	14.0	2301.6	0701.5	13.7			215	8.400
55.7	17.0	2291.8	0698.5	13.7			215	8.400
65.6	20.0	2282.0	0695.5	13.7			215	8.400
75.4	23.0	2272.1	0692.5	13.7			215	8.400
85.2	26.0	2262.3	0689.5	13.7			215	8.800
95.1	29.0	2252.4	0686.5	13.7			215	8.500
104.9	32.0	2242.6	0683.5	13.5			215	9.000
114.8	35.0	2232.8	0680.5	13.5			215	10.000
124.6	38.0	2222.9	0677.5	13.2			230	15.000
134.4	41.0	2213.1	0674.5	12.9			225	18.000
144.3	44.0	2203.2	0671.5	12.2			240	26.000
154.1	47.0	2193.4	0668.5	11.9			240	27.000
164.0	50.0	2183.6	0665.5	11.5			240	24.000
173.8	53.0	2173.7	0662.5	11.1			245	23.000
183.6	56.0	2163.9	0659.5	11.1			245	21.000
193.5	59.0	2154.0	0656.5	11.0			245	19.000
203.3	62.0	2144.2	0653.5	11.0			245	21.000
213.2	65.0	2134.4	0650.5	11.0			245	18.000
223.0	68.0	2124.5	0647.5	11.0			245	21.000
232.8	71.0	2114.7	0644.5	11.0			245	

TABLE 13. STATION NO. 12301919, LAKE KOOCANIUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 24 OCT 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2332.9	0711.0	12.6			210	
1.6	0.5	2331.2	0710.5	12.6			210	
3.2	1.0	2329.6	0710.0	12.6			210	15.000
6.5	2.0	2326.3	0709.0	12.6			210	14.500
9.8	3.0	2323.0	0708.0	12.6	7.4		210	13.500
13.1	4.0	2319.7	0707.0	12.6			210	14.000
19.6	6.0	2313.2	0705.0	12.6			210	14.000
26.2	8.0	2306.6	0703.0	12.6			210	14.000
36.0	11.0	2296.8	0700.0	12.6			210	13.000
45.9	14.0	2286.9	0697.0	12.6			210	13.500
55.7	17.0	2277.1	0694.0	12.4			210	16.000
65.6	20.0	2267.3	0691.0	12.2			220	17.000
75.4	23.0	2257.4	0688.0	12.0			220	17.500
85.2	26.0	2247.6	0685.0	11.8			230	19.000
95.1	29.0	2237.7	0682.0	11.6			230	19.500
104.9	32.0	2227.9	0679.0	11.2			230	20.500
114.8	35.0	2218.1	0676.0	11.0			240	19.000
124.6	38.0	2208.2	0673.0	11.0			240	18.500
134.4	41.0	2198.4	0670.0	10.4			245	18.000
144.3	44.0	2188.5	0667.0	10.4			245	18.500
154.1	47.0	2178.7	0664.0	10.4			245	18.500
164.0	50.0	2168.9	0661.0	10.4			245	19.000
173.8	53.0	2159.0	0658.0	10.4			245	19.000
183.6	56.0	2149.2	0655.0	10.4			245	18.500
193.5	59.0	2139.3	0652.0	10.2			250	14.000
203.3	62.0	2129.5	0649.0	10.2			250	15.000
206.6	63.0	2126.2	0648.0	10.0			250	13.000

WATER QUALITY SAMPLING DATE: 31 OCT 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2317.5	0706.3	11.5			215	6.500
1.6	0.5	2315.8	0705.8	11.5			215	
3.2	1.0	2314.2	0705.3	11.5			215	6.000
6.5	2.0	2310.9	0704.3	11.5			215	6.000
9.8	3.0	2307.6	0703.3	11.5	7.7		215	6.000
13.1	4.0	2304.3	0702.3	11.5			215	6.500
19.6	6.0	2297.8	0700.3	11.5			215	7.000
26.2	8.0	2291.2	0698.3	11.5			215	7.500
32.8	10.0	2284.7	0696.3	11.5			215	7.500
39.3	12.0	2278.1	0694.3	11.5			215	6.500
49.2	15.0	2268.3	0691.3	11.5			215	6.500
59.0	18.0	2258.4	0688.3	11.5			215	6.000
68.8	21.0	2248.6	0685.3	11.5			215	4.000
78.7	24.0	2238.7	0682.3	11.0			230	8.500
88.5	27.0	2228.9	0679.3	10.5			240	10.500
98.4	30.0	2219.1	0676.3	10.5			240	15.500
108.2	33.0	2209.2	0673.3	10.0			240	10.500
118.0	36.0	2199.4	0670.3	9.5			245	12.500
127.9	39.0	2189.5	0667.3	9.5			245	12.000
137.7	42.0	2179.7	0664.3	9.0			245	10.500
147.6	45.0	2169.9	0661.3	9.0			245	10.500
157.4	48.0	2160.0	0658.3	9.5			245	9.500
167.2	51.0	2150.2	0655.3	9.5			245	9.500
177.1	54.0	2140.3	0652.3	9.5			245	10.000
186.9	57.0	2130.5	0649.3	9.5			245	10.000
196.8	60.0	2120.7	0646.3	9.5			245	11.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 06 NOV 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2304.0	0702.2	10.4			220	
1.6	0.5	2302.3	0701.7	10.4			220	
3.2	1.0	2300.7	0701.2	10.4			220	4.100
6.5	2.0	2297.4	0700.2	10.4			220	3.000
9.8	3.0	2294.1	0699.2	10.4	7.3		220	2.900
13.1	4.0	2290.8	0698.2	10.4			220	2.700
19.6	6.0	2284.3	0696.2	10.4			220	3.200
26.2	8.0	2277.7	0694.2	10.4			220	4.000
36.0	11.0	2267.9	0691.2	10.4			220	4.500
45.9	14.0	2258.0	0688.2	10.2			220	5.000
55.7	17.0	2248.2	0685.2	10.0			230	5.900
65.6	20.0	2238.4	0682.2	9.8			230	4.400
75.4	23.0	2228.5	0679.2	9.6			230	4.500
85.2	26.0	2218.7	0676.2	9.2			240	9.400
95.1	29.0	2208.8	0673.2	9.0			240	10.000
104.9	32.0	2199.0	0670.2	9.0			240	13.500
114.8	35.0	2189.2	0667.2	9.0			240	13.000
124.6	38.0	2179.3	0664.2	9.0			240	10.000
134.4	41.0	2169.5	0661.2	9.0			240	10.000
144.3	44.0	2159.6	0658.2	9.0			240	10.000
154.1	47.0	2149.8	0655.2	9.0			240	11.500
164.0	50.0	2140.0	0652.2	9.0			240	10.000
173.8	53.0	2130.1	0649.2	9.0			240	10.500
183.6	56.0	2120.3	0646.2	8.9			240	10.000
193.5	59.0	2110.4	0643.2	8.9			230	4.800
								0.400

WATER QUALITY SAMPLING DATE: 14 NOV 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2279.5	0694.7	9.1		8.9	220	
1.6	0.5	2277.8	0694.2	9.1		9.0	220	
3.2	1.0	2276.2	0693.7	9.1		9.0	220	8.900
6.5	2.0	2272.9	0692.7	9.1		9.0	220	8.700
9.8	3.0	2269.6	0691.7	9.1	7.8	9.0	220	8.400
13.1	4.0	2266.3	0690.7	9.1		9.0	220	8.000
19.6	6.0	2259.8	0688.7	9.1		9.0	220	7.700
26.2	8.0	2253.2	0686.7	9.1		9.0	220	6.700
36.0	11.0	2243.4	0683.7	9.1		9.0	220	6.600
45.9	14.0	2233.5	0680.7	9.1		9.0	220	6.300
55.7	17.0	2223.7	0677.7	9.1		9.0	220	5.900
65.6	20.0	2213.9	0674.7	9.0		9.0	220	6.300
75.4	23.0	2204.0	0671.7	8.8		8.6	225	6.700
85.2	26.0	2194.2	0668.7	8.2		8.0	235	7.600
95.1	29.0	2184.3	0665.7	7.9		8.0	235	7.600
104.9	32.0	2174.5	0662.7	7.9		8.0	235	7.600
114.8	35.0	2164.7	0659.8	7.9		8.0	235	7.600
124.6	38.0	2154.8	0656.8	7.9		8.0	235	4.200
134.4	41.0	2145.0	0653.8	7.9		8.0	235	4.200
144.3	44.0	2135.1	0650.8	7.9		8.0	235	3.800
154.1	47.0	2125.3	0647.8	7.9		8.0	235	3.100
164.0	50.0	2115.5	0644.8	7.9		8.0	235	3.100

TABLE 13. STATION NO. 12301919, LAKE KOCCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 21 NOV 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2258.8	0688.4	7.2		8.7	225	4.300
1.6	0.5	2257.1	0687.9	7.2		8.7	225	4.100
3.2	1.0	2255.5	0687.4	7.2		8.7	225	4.000
6.5	2.0	2252.2	0686.4	7.2		8.7	225	4.000
9.8	3.0	2248.9	0685.4	7.2	7.6	8.7	225	4.000
19.6	6.0	2239.1	0682.4	7.2		8.7	225	4.000
29.5	9.0	2229.2	0679.4	7.2		8.7	225	3.900
39.3	12.0	2219.4	0676.4	7.2		8.7	225	4.000
49.2	15.0	2209.6	0673.4	7.2		8.6	225	4.200
59.0	18.0	2199.7	0670.4	7.1		8.6	225	4.200
68.8	21.0	2189.9	0667.4	7.0		8.6	225	5.200
78.7	24.0	2180.0	0664.4	7.0		8.2	230	5.400
88.5	27.0	2170.2	0661.4	7.0		8.1	230	5.400
98.4	30.0	2160.4	0658.4	7.0		7.9	240	5.700
108.2	33.0	2150.5	0655.4	6.8		7.8	250	7.400
118.0	36.0	2140.7	0652.4	6.8		7.8	250	8.400
127.9	39.0	2130.8	0649.4	6.8		7.8	250	8.400
137.7	42.0	2121.0	0646.4	6.5		7.8	240	8.400

WATER QUALITY SAMPLING DATE: 27 NOV 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2240.1	0682.7	5.2		10.0	240	2.600
1.6	0.5	2238.4	0682.2	5.2		10.0	240	2.400
3.2	1.0	2236.8	0681.7	5.2		10.0	240	2.200
6.5	2.0	2233.5	0680.7	5.2		10.0	240	1.900
9.8	3.0	2230.2	0679.7	5.0	7.5	10.0	240	1.600
19.6	6.0	2220.4	0676.7	5.0		10.0	250	1.200
29.5	9.0	2210.5	0673.7	4.4		10.0	265	1.200
39.3	12.0	2200.7	0670.7	4.4		10.0	265	1.000
49.2	15.0	2190.9	0667.7	4.4		10.0	265	1.200
59.0	18.0	2181.0	0664.7	4.4		10.0	265	1.200
68.8	21.0	2171.2	0661.7	4.4		10.0	265	1.000
78.7	24.0	2161.3	0658.7	4.2		10.0	265	0.800
88.5	27.0	2151.5	0655.7	4.2		10.0	265	0.800
98.4	30.0	2141.7	0652.7	4.0		10.0	265	0.000
108.2	33.0	2131.8	0649.7	4.0		10.0	265	0.000

WATER QUALITY SAMPLING DATE: 17 APR 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2233.7	0680.8	4.0	8.0	11.5	290	9.200
5.0	1.5	2228.7	0679.3	4.0	8.0	11.5	290	7.400
10.0	3.0	2223.7	0677.7	3.9	8.0	11.4	290	7.000
15.0	4.5	2218.7	0676.2	3.8	8.0	11.4	290	7.200
20.0	6.0	2213.7	0674.7	3.8	8.0	11.4	290	7.500
25.0	7.6	2208.7	0673.2	3.8	8.0	11.1	290	7.600
30.0	9.1	2203.7	0671.6	3.7	8.0	11.1	290	7.800
35.0	10.6	2198.7	0670.1	3.6	7.9	10.8	290	10.700
40.0	12.1	2193.7	0668.6	3.5	7.9	10.4	290	10.800
45.0	13.7	2188.7	0667.1	3.5	7.9	10.4	290	11.200
50.0	15.2	2183.7	0665.5	3.5	7.9	10.4	290	11.400
55.0	16.7	2178.7	0664.0	3.5	7.9	10.4	290	12.000
60.0	18.2	2173.7	0662.5	3.5	7.9	10.4	300	13.400
65.0	19.8	2168.7	0661.0	3.4	7.8	9.8	300	14.000
70.0	21.3	2163.7	0659.4	3.4	7.8	9.2	300	13.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 24 APR 73.

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2238.2	0682.2	7.3	8.4	12.4	295	3.800
2.0	0.6	2236.2	0681.5	7.0	8.4	12.4	290	2.100
4.0	1.2	2234.2	0680.9	6.9	8.4	12.4	290	1.900
6.0	1.8	2232.2	0680.3	6.7	8.4	12.4	290	1.800
8.0	2.4	2230.2	0679.7	6.5	8.4	12.3	290	1.600
10.0	3.0	2228.2	0679.1	6.5	8.4	12.2	290	1.600
12.0	3.6	2226.2	0678.5	6.2	8.4	12.1	295	1.600
15.0	4.5	2223.2	0677.6	6.2	8.4	12.0	295	1.700
18.0	5.4	2220.2	0676.7	6.1	8.4	11.7	295	2.600
20.0	6.0	2218.2	0676.1	5.9	8.3	11.2	285	3.800
25.0	7.6	2213.2	0674.5	5.2	8.2	11.2	290	3.700
30.0	9.1	2208.2	0673.0	5.0	8.2	11.2	290	4.500
35.0	10.6	2203.2	0671.5	4.9	8.2	11.2	290	4.900
40.0	12.1	2198.2	0670.0	4.8	8.2	11.1	285	5.500
45.0	13.7	2193.2	0668.4	4.6	8.1	11.0	285	7.400
50.0	15.2	2188.2	0666.9	4.5	8.1	11.0	285	8.000
55.0	16.7	2183.2	0665.4	4.3	8.1	11.0	285	8.700
60.0	18.2	2178.2	0663.9	4.2	8.1	11.0	295	8.700
65.0	19.8	2173.2	0662.3	4.1	8.1	10.8	295	8.700
70.0	21.3	2168.2	0660.8	4.0	8.0	10.4	295	9.200
75.0	22.8	2163.2	0659.3	4.0	8.0	10.2	295	10.500
80.0	24.3	2158.2	0657.8	4.0	8.0	10.1	295	11.000
85.0	25.9	2153.2	0656.2	4.0	8.0	10.1	295	11.400
90.0	27.4	2148.2	0654.7	4.0	7.9	9.8	295	11.900
95.0	28.9	2143.2	0653.2	4.0	7.9	9.8	295	11.700

WATER QUALITY SAMPLING DATE: 30 APR 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2244.5	0684.1	8.2	8.2	11.1	305	3.500
2.0	0.6	2242.5	0683.5	8.2	8.2	11.0	305	2.800
4.0	1.2	2240.5	0682.9	8.1	8.2	11.0	305	2.400
6.0	1.8	2238.5	0682.2	8.1	8.2	11.0	305	2.400
8.0	2.4	2236.5	0681.6	8.0	8.2	11.0	305	2.400
10.0	3.0	2234.5	0681.0	8.0	8.2	11.0	305	2.600
12.0	3.6	2232.5	0680.4	8.0	8.2	10.9	305	2.600
17.0	5.1	2227.5	0678.9	8.0	8.2	10.9	305	2.800
22.0	6.7	2222.5	0677.4	7.8	8.2	11.0	305	2.800
27.0	8.2	2217.5	0675.8	7.8	8.2	11.0	300	2.800
32.0	9.7	2212.5	0674.3	7.8	8.2	11.1	300	3.000
37.0	11.2	2207.5	0672.8	7.5	8.2	11.2	300	3.000
42.0	12.8	2202.5	0671.3	7.2	8.2	11.3	295	3.600
47.0	14.3	2197.5	0669.7	7.0	8.2	11.2	295	3.800
52.0	15.8	2192.5	0668.2	6.8	8.2	11.2	295	4.200
57.0	17.3	2187.5	0666.7	6.2	8.2	11.1	295	4.100
62.0	18.8	2182.5	0665.2	5.5	8.0	11.1	295	4.300
67.0	20.4	2177.5	0663.7	5.0	8.0	10.7	290	7.200
72.0	21.9	2172.5	0662.1	4.6	7.9	10.4	295	8.600
77.0	23.4	2167.5	0660.6	4.5	7.9	10.4	295	10.800
82.0	24.9	2162.5	0659.1	4.3	7.8	10.2	295	13.500
87.0	26.5	2157.5	0657.6	4.2	7.8	10.1	295	14.500
92.0	28.0	2152.5	0656.0	4.2	7.8	9.9	295	15.000
97.0	29.5	2147.5	0654.5	4.1	7.8	9.9	295	16.200
102.0	31.0	2142.5	0653.0	4.1	7.7	9.7	295	16.500
107.0	32.6	2137.5	0651.5	4.1	7.6	9.0	295	16.500
112.0	34.1	2132.5	0649.9	4.1	7.6	8.8	295	
117.0	35.6	2127.5	0648.4	4.2	7.6	8.7	295	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 07 MAY 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2252.2	0686.4	9.0	8.4	11.1	300	5.700
1.0	0.3	2251.2	0686.1	9.0	8.4	11.1	300	5.500
2.0	0.6	2250.2	0685.8	9.0	8.4	11.1	300	5.300
4.0	1.2	2248.2	0685.2	8.8	8.4	11.1	300	5.100
7.0	2.1	2245.2	0684.3	8.8	8.4	11.1	300	4.800
10.0	3.0	2242.2	0683.4	8.7	8.4	11.1	305	5.000
13.0	3.9	2239.2	0682.5	8.6	8.4	11.1	305	5.000
16.0	4.8	2236.2	0681.5	8.5	8.4	11.0	305	4.400
21.0	6.4	2231.2	0680.0	8.2	8.4	10.8	300	4.900
26.0	7.9	2226.2	0678.5	8.0	8.2	10.2	300	7.100
31.0	9.4	2221.2	0677.0	8.0	8.3	10.2	300	10.000
36.0	10.9	2216.2	0675.4	7.8	8.3	10.3	300	10.000
41.0	12.4	2211.2	0673.9	7.8	8.3	10.3	300	6.000
46.0	14.0	2206.2	0672.4	7.3	8.3	10.4	295	11.000
51.0	15.5	2201.2	0670.9	6.2	8.2	10.3	295	15.500
56.0	17.0	2196.2	0669.4	5.8	8.2	10.3	295	17.500
61.0	18.5	2191.2	0667.8	5.5	8.1	10.2	295	17.000
66.0	20.1	2186.2	0666.3	5.3	8.1	10.0	295	14.500
71.0	21.6	2181.2	0664.8	5.0	8.1	9.8	290	15.000
76.0	23.1	2176.2	0663.3	5.0	8.0	9.8	290	14.000
81.0	24.6	2171.2	0661.7	5.0	8.0	9.8	290	15.000
86.0	26.2	2166.2	0660.2	5.0	8.0	9.8	290	15.000
91.0	27.7	2161.2	0658.7	4.7	7.8	9.8	290	16.000
96.0	29.2	2156.2	0657.2	4.6	7.8	9.8	295	22.500
101.0	30.7	2151.2	0655.6	4.5	7.8	9.8	295	24.500
106.0	32.3	2146.2	0654.1	4.5	7.8	9.8	295	28.000
111.0	33.8	2141.2	0652.6	4.4	7.8	9.8	295	28.000
116.0	35.3	2136.2	0651.1	4.4	7.8	9.7	295	28.000
121.0	36.8	2131.2	0649.5	4.4	7.8	9.4	295	28.000

WATER QUALITY SAMPLING DATE: 14 MAY 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2263.2	0689.8	13.8	8.4	11.2	295	7.500
1.0	0.3	2262.2	0689.5	13.8	8.4	11.2	295	7.400
2.0	0.6	2261.2	0689.2	13.8	8.5	11.2	295	7.300
4.0	1.2	2259.2	0688.6	13.6	8.5	11.3	295	8.500
6.0	1.8	2257.2	0687.9	13.2	8.5	11.3	295	8.200
8.0	2.4	2255.2	0687.3	12.9	8.5	11.3	295	8.100
10.0	3.0	2253.2	0686.7	12.8	8.4	11.4	295	8.800
12.0	3.6	2251.2	0686.1	12.8	8.4	11.4	295	8.400
14.0	4.2	2249.2	0685.5	12.7	8.4	11.4	295	8.400
17.0	5.1	2246.2	0684.6	12.5	8.4	11.4	290	8.500
20.0	6.0	2243.2	0683.7	12.2	8.4	11.4	290	8.200
23.0	7.0	2240.2	0682.8	11.8	8.4	11.3	290	8.700
26.0	7.9	2237.2	0681.8	10.2	8.4	11.3	290	8.300
31.0	9.4	2232.2	0680.3	9.7	8.4	11.4	290	1.200
36.0	10.9	2227.2	0678.8	9.6	8.4	11.3	290	6.700
41.0	12.4	2222.2	0677.3	9.2	8.4	11.2	295	8.800
46.0	14.0	2217.2	0675.8	9.0	8.3	11.0	295	10.500
51.0	15.5	2212.2	0674.2	8.7	8.3	10.9	295	12.000
56.0	17.0	2207.2	0672.7	8.3	8.3	10.6	290	13.000
61.0	18.5	2202.2	0671.2	8.0	8.2	10.2	290	21.000
66.0	20.1	2197.2	0669.7	7.4	8.1	9.9	295	23.000
71.0	21.6	2192.2	0668.1	7.0	8.1	10.1	295	13.500
76.0	23.1	2187.2	0666.6	6.2	8.0	10.1	295	17.000
81.0	24.6	2182.2	0665.1	6.0	8.0	9.9	295	16.000
86.0	26.2	2177.2	0663.6	5.4	7.9	9.9	295	17.500
96.0	29.2	2167.2	0660.5	5.1	7.8	9.6	290	23.000
106.0	32.3	2157.2	0657.5	4.7	7.8	9.5	295	25.500
116.0	35.3	2147.2	0654.4	4.7	7.8	9.4	295	25.500
126.0	38.4	2137.2	0651.4	4.7	7.8	9.2	295	25.500
136.0	41.4	2127.2	0648.3	4.7	7.7	8.6	295	



TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 21 MAY 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2295.3	0699.6	10.1	8.3	10.3	270	5,200
1.0	0.3	2294.3	0699.3	10.1	8.3	10.3	270	5,200
2.0	0.6	2293.3	0698.9	10.1	8.3	10.3	270	5,200
4.0	1.2	2291.3	0698.3	10.0	8.3	10.3	270	5,200
6.0	1.8	2289.3	0697.7	10.0	8.3	10.3	270	4,200
8.0	2.4	2287.3	0697.1	10.0	8.3	10.4	270	3,600
10.0	3.0	2285.3	0696.5	10.0	8.3	10.4	270	3,300
15.0	4.5	2280.3	0695.0	9.9	8.2	10.2	260	2,200
20.0	6.0	2275.3	0693.5	9.6	8.2	10.0	260	2,200
30.0	9.1	2265.3	0690.4	9.4	8.2	10.0	260	1,200
40.0	12.1	2255.3	0687.4	9.1	8.2	10.0	260	0,600
50.0	15.2	2245.3	0684.3	9.0	8.2	10.1	275	5,600
60.0	18.2	2235.3	0681.3	9.0	8.2	10.1	280	16,000
70.0	21.3	2225.3	0678.2	8.9	8.2	10.1	280	21,500
80.0	24.3	2215.3	0675.2	8.3	8.2	10.0	285	23,000
90.0	27.4	2205.3	0672.1	8.0	8.0	9.7	285	11,000
100.0	30.4	2195.3	0669.1	7.2	8.0	9.6	285	28,000
110.0	33.5	2185.3	0666.0	5.9	7.9	9.3	285	13,500
120.0	36.5	2175.3	0663.0	5.2	7.8	9.1	290	12,000
130.0	39.6	2165.3	0659.9	5.1	7.8	9.0	290	11,500
140.0	42.6	2155.3	0656.9	5.0	7.8	8.8	290	18,000
150.0	45.7	2145.3	0653.8	4.9	7.8	8.8	290	22,000
160.0	48.7	2135.3	0650.8	4.9	7.8	8.8	290	22,000

WATER QUALITY SAMPLING DATE: 29 MAY 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2321.4	0707.5	11.3	7.9	10.0	255	
1.0	0.3	2320.4	0707.2	11.1	7.9	10.0	260	0,600
2.0	0.6	2319.4	0706.9	11.1	7.9	10.1	260	0,600
4.0	1.2	2317.4	0706.3	10.8	7.9	10.1	250	0,400
6.0	1.8	2315.4	0705.7	10.8	7.9	10.1	250	0,200
8.0	2.4	2313.4	0705.1	10.5	7.9	10.1	245	0,000
10.0	3.0	2311.4	0704.5	10.1	7.8	9.8	235	0,000
12.0	3.6	2309.4	0703.9	10.0	7.8	9.8	235	0,000
17.0	5.1	2304.4	0702.3	9.9	7.8	9.8	220	0,000
22.0	6.7	2299.4	0700.8	9.8	7.7	9.7	215	0,000
27.0	8.2	2294.4	0699.3	9.8	7.7	9.7	215	0,000
32.0	9.7	2289.4	0697.8	9.7	7.7	9.7	210	0,000
37.0	11.2	2284.4	0696.2	9.7	7.7	9.7	215	0,000
47.0	14.3	2274.4	0693.2	9.7	7.8	9.7	225	0,000
57.0	17.3	2264.4	0690.1	9.7	7.8	9.8	245	0,000
67.0	20.4	2254.4	0687.1	9.5	7.8	9.7	245	0,000
77.0	23.4	2244.4	0684.0	9.4	7.9	9.8	260	0,000
87.0	26.5	2234.4	0681.0	9.2	7.9	10.0	265	0,000
97.0	29.5	2224.4	0677.9	9.2	7.9	10.0	265	1,100
107.0	32.6	2214.4	0674.9	9.0	7.9	10.0	280	0,200
117.0	35.6	2204.4	0671.9	8.5	7.9	10.1	285	10,500
127.0	38.7	2194.4	0668.8	7.2	7.7	9.5	290	3,500
137.0	41.7	2184.4	0665.8	6.3	7.6	9.0	290	0,100
147.0	44.8	2174.4	0662.7	5.6	7.6	8.8	290	2,800
157.0	47.8	2164.4	0659.7	5.2	7.6	8.8	290	5,000
167.0	50.9	2154.4	0656.6	4.9	7.6	8.6	290	18,000
177.0	53.9	2144.4	0653.6	4.8	7.6	8.4	290	20,500
187.0	56.9	2134.4	0650.5	4.8	7.7	7.9	290	19,000

WATER QUALITY SAMPLING DATE: 04 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2336.9	0712.2	10.7	7.8	10.0	235	
1.0	0.3	2335.9	0711.9	10.7	7.8	10.0	235	3.200
2.0	0.6	2334.9	0711.6	10.7	7.8	10.0	235	1.800
4.0	1.2	2332.9	0711.0	10.7	7.8	10.0	235	0.500
6.0	1.8	2330.9	0710.4	10.6	7.8	10.0	235	0.000
8.0	2.4	2328.9	0709.8	10.4	7.8	10.0	235	0.000
10.0	3.0	2326.9	0709.2	10.2	7.8	10.0	235	0.000
14.0	4.2	2322.9	0708.0	10.2	7.8	10.0	235	0.000
19.0	5.7	2317.9	0706.4	10.2	7.8	10.0	230	0.000
24.0	7.3	2312.9	0704.9	10.0	7.8	10.0	230	0.000
34.0	10.3	2302.9	0701.9	9.8	7.7	9.9	220	0.000
40.0	13.4	2292.9	0698.8	9.6	7.7	9.8	230	0.000
54.0	16.4	2282.9	0695.8	9.6	7.7	9.8	235	0.000
64.0	19.5	2272.9	0692.7	9.4	7.8	9.9	235	0.000
74.0	22.5	2262.9	0689.7	9.4	7.8	9.8	245	0.000
84.0	25.6	2252.9	0686.6	9.4	7.8	9.9	245	0.000
94.0	28.6	2242.9	0683.6	9.2	7.8	9.8	245	0.000
104.0	31.6	2232.9	0680.5	9.2	7.8	9.8	255	0.000
114.0	34.7	2222.9	0677.5	8.9	7.8	9.8	265	0.000
124.0	37.7	2212.9	0674.4	8.4	7.7	9.6	275	0.000
134.0	40.8	2202.9	0671.4	7.8	7.7	9.4	280	0.000
144.0	43.8	2192.9	0668.3	7.2	7.6	9.1	290	0.000
154.0	46.9	2182.9	0665.3	6.0	7.5	7.7	295	0.000
164.0	49.9	2172.9	0662.2	5.5	7.5	8.6	295	2.600
174.0	53.0	2162.9	0659.2	5.2	7.5	8.6	300	14.500
184.0	56.0	2152.9	0656.2	5.0	7.4	8.6	300	23.000
194.0	59.1	2142.9	0653.1	5.0	7.4	8.2	300	19.500
204.0	62.1	2132.9	0650.1	5.0	7.5	7.8	300	18.000

WATER QUALITY SAMPLING DATE: 11 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2357.5	0718.5	11.2	7.9	9.9	210	
1.0	0.3	2356.5	0718.2	11.2	7.9	10.0	210	0.700
2.0	0.6	2355.5	0717.9	11.0	7.9	10.2	210	0.600
5.0	1.5	2352.5	0717.0	10.4	7.9	10.0	205	0.400
10.0	3.0	2347.5	0715.5	10.2	8.0	10.0	200	0.200
20.0	6.0	2337.5	0712.4	10.0	8.0	9.9	200	0.100
30.0	9.1	2327.5	0709.4	10.0	7.9	9.8	200	0.000
40.0	12.1	2317.5	0706.3	10.0	7.9	9.8	200	0.000
50.0	15.2	2307.5	0703.3	9.8	7.8	9.7	200	0.000
60.0	18.2	2297.5	0700.2	9.7	7.8	9.6	205	0.000
70.0	21.3	2287.5	0697.2	9.7	7.8	9.6	215	0.000
80.0	24.3	2277.5	0694.1	9.5	7.8	9.5	225	0.000
90.0	27.4	2267.5	0691.1	9.2	7.8	9.5	225	0.000
100.0	30.4	2257.5	0688.0	9.0	7.8	9.4	225	0.000
110.0	33.5	2247.5	0685.0	9.0	7.8	9.4	225	0.000
120.0	36.5	2237.5	0681.9	8.9	7.8	9.3	225	0.000
130.0	39.6	2227.5	0678.9	8.9	7.8	9.3	225	0.000
140.0	42.6	2217.5	0675.8	8.8	7.7	9.3	240	0.000
150.0	45.7	2207.5	0672.8	8.4	7.7	9.1	255	0.000
160.0	48.7	2197.5	0669.7	7.8	7.7	8.9	270	0.000
170.0	51.8	2187.5	0666.7	6.8	7.6	8.4	285	0.200
180.0	54.8	2177.5	0663.7	6.0	7.6	8.1	285	1.600
190.0	57.9	2167.5	0660.6	5.6	7.5	7.9	290	3.400
200.0	60.9	2157.5	0657.6	5.3	7.5	7.6	290	8.700
210.0	64.0	2147.5	0654.5	5.3	7.5	7.5	290	13.800
215.0	65.5	2142.5	0653.0	5.3	7.5	7.5	290	13.800
220.0	67.0	2137.5	0651.5	5.3	7.6	7.7	295	13.800

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 18 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2371.5	0722.8	11.0	8.2	10.2	205	
1.0	0.3	2370.6	0722.5	11.0	8.2	10.2	205	2.100
2.0	0.6	2369.6	0722.2	10.9	8.2	10.2	205	2.000
5.0	1.5	2366.6	0721.3	10.8	8.2	10.1	205	1.800
10.0	3.0	2361.6	0719.8	10.6	8.2	10.1	205	1.500
15.0	4.5	2356.6	0718.2	10.4	8.2	10.0	205	1.500
20.0	6.0	2351.6	0716.7	10.3	8.1	9.8	205	1.200
30.0	9.1	2341.6	0713.7	10.1	8.0	9.8	200	1.000
40.0	12.1	2331.6	0710.6	10.1	8.0	9.8	200	0.800
50.0	15.2	2321.6	0707.6	9.9	8.0	9.7	210	0.500
60.0	18.2	2311.6	0704.5	9.9	8.0	9.6	215	0.000
70.0	21.3	2301.6	0701.5	9.8	8.0	9.6	215	0.000
80.0	24.3	2291.6	0698.4	9.3	7.9	9.5	215	0.000
90.0	27.4	2281.6	0695.4	9.2	7.9	9.4	220	0.000
100.0	30.4	2271.6	0692.3	9.1	7.9	9.4	220	0.000
110.0	33.5	2261.6	0689.3	9.0	7.9	9.4	220	0.000
120.0	36.5	2251.6	0686.2	9.0	7.9	9.4	220	0.000
130.0	39.6	2241.6	0683.2	9.0	7.9	9.4	220	0.000
140.0	42.6	2231.6	0680.1	8.9	7.9	9.3	210	0.000
150.0	45.7	2221.6	0677.1	8.7	7.9	9.3	215	0.000
160.0	48.7	2211.6	0674.0	8.4	7.9	9.0	240	0.000
170.0	51.8	2201.6	0671.0	8.0	7.8	8.8	255	0.000
180.0	54.8	2191.6	0667.9	7.2	7.8	8.4	270	0.100
190.0	57.9	2181.6	0664.9	6.5	7.8	7.9	280	0.000
200.0	60.9	2171.6	0661.9	6.0	7.7	7.6	285	2.700
210.0	64.0	2161.6	0658.8	5.9	7.7	7.5	285	4.200
221.0	67.3	2150.6	0655.5	5.7	7.6	7.4	290	7.300
231.0	70.4	2140.6	0652.4	5.6	7.6	7.1	290	12.100

WATER QUALITY SAMPLING DATE: 27 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2386.7	0727.4	14.0	8.4	10.8	205	
1.0	0.3	2385.8	0727.1	13.2	8.4	10.8	205	12.000
2.0	0.6	2384.8	0726.8	13.0	8.4	11.0	205	10.600
5.0	1.5	2381.8	0725.9	11.9	8.4	10.9	200	10.500
10.0	3.0	2376.8	0724.4	11.2	8.3	10.5	200	9.800
15.0	4.5	2371.8	0722.9	11.1	8.3	10.4	200	7.400
20.0	6.0	2366.8	0721.4	11.0	8.2	10.1	200	6.500
30.0	9.1	2356.8	0718.3	10.8	8.2	10.0	190	10.200
40.0	12.1	2346.8	0715.3	10.2	8.1	9.8	195	9.400
50.0	15.2	2336.8	0712.2	10.1	8.0	9.7	195	7.600
60.0	18.2	2326.8	0709.2	10.0	8.0	9.7	195	5.200
70.0	21.3	2316.8	0706.1	9.9	8.0	9.6	195	3.000
80.0	24.3	2306.8	0703.1	9.8	8.0	9.6	195	1.900
95.0	28.9	2291.8	0698.5	9.7	8.0	9.4	195	0.200
110.0	33.5	2276.8	0693.9	9.3	7.8	9.4	190	0.000
125.0	38.1	2261.8	0689.3	9.1	7.8	9.4	190	0.000
140.0	42.6	2246.8	0684.8	9.0	7.8	9.4	190	0.000
155.0	47.2	2231.8	0680.2	8.9	7.8	9.3	190	0.000
170.0	51.8	2216.8	0675.6	8.3	7.8	9.1	200	0.000
185.0	56.3	2201.8	0671.1	8.1	7.8	8.6	225	0.000
200.0	60.9	2186.8	0666.5	7.0	7.6	7.6	255	0.500
215.0	65.5	2171.8	0661.9	6.3	7.6	7.0	255	1.100
230.0	70.1	2156.8	0657.3	6.2	7.5	6.6	260	0.500
237.0	72.2	2149.8	0655.2	6.2	7.4	6.4	260	1.400
247.0	75.2	2139.8	0652.2	6.2	7.4	6.1	260	2.900

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 02 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2395.0	0730.0	12.4	8.6	10.1	205	
1.0	0.3	2394.1	0729.7	12.2	8.6	10.2	210	20,500
2.0	0.6	2393.1	0729.4	12.1	8.6	10.2	210	17,000
5.0	1.5	2390.1	0728.5	12.0	8.6	10.2	210	14,000
10.0	3.0	2385.1	0726.9	11.7	8.5	10.0	205	15,000
15.0	4.5	2380.1	0725.4	11.2	8.4	9.6	205	11,500
20.0	6.0	2375.1	0723.9	11.0	8.4	9.6	205	13,000
30.0	9.1	2365.1	0720.8	11.0	8.4	9.6	205	15,000
40.0	12.1	2355.1	0717.8	10.8	8.4	9.6	205	13,000
50.0	15.2	2345.1	0714.7	10.4	8.3	9.5	205	7,000
60.0	18.2	2335.1	0711.7	10.3	8.3	9.5	205	5,000
70.0	21.3	2325.1	0708.7	10.0	8.2	9.4	200	5,000
80.0	24.3	2315.1	0705.6	10.0	8.2	9.4	200	5,500
90.0	27.4	2305.1	0702.6	9.9	8.2	9.4	210	0,500
100.0	30.4	2295.1	0699.5	9.8	8.2	9.4	210	0,500
115.0	35.0	2280.1	0694.9	9.5	8.2	9.3	205	0,500
130.0	39.6	2265.1	0690.4	9.2	8.2	9.3	205	0,500
145.0	44.1	2250.1	0685.8	9.2	8.2	9.2	205	0,000
160.0	48.7	2235.1	0681.2	9.0	8.1	9.2	205	0,000
175.0	53.3	2220.1	0676.6	8.7	8.1	8.8	205	0,000
190.0	57.9	2205.1	0672.1	8.4	8.1	8.6	220	0,000
205.0	62.4	2190.1	0667.5	7.5	8.0	7.9	260	0,000
220.0	67.0	2175.1	0662.9	6.7	7.9	6.8	280	2,400
235.0	71.6	2160.1	0658.4	6.0	7.8	6.4	285	4,000
248.0	75.5	2147.1	0654.4	6.0	7.8	6.2	295	4,300
258.0	78.6	2137.1	0651.4	6.2	7.8	5.7	295	7,000

WATER QUALITY SAMPLING DATE: 09 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2402.8	0732.3	15.4		9.8	205	
1.0	0.3	2401.9	0732.1	15.0		9.8	205	31,000
2.0	0.6	2400.9	0731.8	14.4		9.9	205	30,000
5.0	1.5	2397.9	0730.8	14.0		9.9	205	28,000
10.0	3.0	2392.9	0729.3	14.0	8.2	9.9	205	23,500
15.0	4.5	2387.9	0727.8	13.2		9.9	205	21,500
20.0	6.0	2382.9	0726.3	13.0		9.9	205	19,500
25.0	7.6	2377.9	0724.7	12.8	8.3	9.8	205	21,000
30.0	9.1	2372.9	0723.2	12.5	8.4	9.8	205	21,500
40.0	12.1	2362.9	0720.2	12.5	8.2	9.8	205	23,500
50.0	15.2	2352.9	0717.1	11.6	8.2	9.8	205	27,000
60.0	18.2	2342.9	0714.1	11.0	8.1	9.4	205	28,500
70.0	21.3	2332.9	0711.0	10.8	8.0	9.5	205	25,500
80.0	24.3	2322.9	0708.0	10.3	8.0	9.6	205	18,500
90.0	27.4	2312.9	0704.9	10.0	8.0	9.6	210	7,000
105.0	32.0	2297.9	0700.4	9.8	7.9	9.3	210	3,200
120.0	36.5	2282.9	0695.8	9.7	7.9	9.2	205	0,800
135.0	41.1	2267.9	0691.2	9.5	7.8	9.2	205	2,000
150.0	45.7	2252.9	0686.6	9.3	7.8	9.0	205	0,700
165.0	50.2	2237.9	0682.1	9.2	7.8	8.7	205	0,000
180.0	54.8	2222.9	0677.5	8.5	7.6	8.8	205	0,000
195.0	59.4	2207.9	0672.9	8.2	7.6	8.6	215	0,100
210.0	64.0	2192.9	0668.4	7.5	7.5	7.5	250	0,500
225.0	68.5	2177.9	0663.8	6.5	7.4	6.6	280	3,100
240.0	73.1	2162.9	0659.2	6.1	7.4	6.1	285	0,100
252.0	76.8	2150.9	0655.6	6.0	7.3	5.8	285	8,400
262.0	79.8	2140.9	0652.5	6.1	7.2	5.6	295	8,800

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 16 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2406.1	0733.3	19.0		8.8	205	
1.0	0.3	2405.2	0733.1	19.0		8.8	205	48.000
2.0	0.6	2404.2	0732.8	18.8		8.9	205	50.000
5.0	1.5	2401.2	0731.9	18.0		9.1	205	48.000
10.0	3.0	2396.2	0730.3	15.8	8.2	9.2	205	54.000
15.0	4.5	2391.2	0728.8	15.1		9.6	205	49.000
20.0	6.0	2386.2	0727.3	14.9		9.6	205	46.000
25.0	7.6	2381.2	0725.8	14.2		9.6	200	46.000
30.0	9.1	2376.2	0724.2	14.0		9.6	200	46.000
40.0	12.1	2366.2	0721.2	13.2		9.4	205	43.000
50.0	15.2	2356.2	0718.1	12.9		9.5	200	39.000
60.0	18.2	2346.2	0715.1	12.3		9.5	200	34.000
70.0	21.3	2336.2	0712.0	11.6		9.5	205	34.000
80.0	24.3	2326.2	0709.0	11.1		9.5	205	35.000
95.0	28.9	2311.2	0704.4	10.8		9.6	205	35.000
110.0	33.5	2296.2	0699.9	10.2		9.6	200	28.000
125.0	38.1	2281.2	0695.3	9.9		9.6	200	17.000
140.0	42.6	2266.2	0690.7	9.7		9.6	205	8.700
155.0	47.2	2251.2	0686.1	9.4		9.5	205	7.500
170.0	51.8	2236.2	0681.6	9.1		9.4	200	0.600
185.0	56.3	2221.2	0677.0	8.9		9.2	200	0.700
200.0	60.9	2206.2	0672.4	8.2		8.7	210	1.100
215.0	65.5	2191.2	0667.8	7.8		8.0	235	1.200
230.0	70.1	2176.2	0663.3	6.8		6.0	275	4.600
245.0	74.6	2161.2	0658.7	6.2		5.6	285	12.500
256.0	78.0	2150.2	0655.3	6.2	7.5	5.4	285	18.500
266.0	81.0	2140.2	0652.3	6.2		5.3	285	

WATER QUALITY SAMPLING DATE: 23 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2408.6	0734.1	19.2	8.5	8.5	210	
1.0	0.3	2407.7	0733.8	19.1	8.5	8.5	210	
2.0	0.6	2406.7	0733.5	19.0	8.5	8.6	210	
5.0	1.5	2403.7	0732.6	18.3	8.6	8.9	205	
10.0	3.0	2398.7	0731.1	18.0	8.6	8.9	205	
15.0	4.5	2393.7	0729.6	17.5	8.6	9.0	205	
20.0	6.0	2388.7	0728.0	17.0	8.5	9.1	205	
25.0	7.6	2383.7	0726.5	16.0	8.5	9.2	205	
30.0	9.1	2378.7	0725.0	14.8	8.5	9.2	205	
40.0	12.1	2368.7	0721.9	13.6	8.4	9.1	200	
50.0	15.2	2358.7	0718.9	12.8	8.4	9.1	200	
60.0	18.2	2348.7	0715.8	12.1	8.4	9.3	200	
70.0	21.3	2338.7	0712.8	11.7	8.4	9.3	200	
80.0	24.3	2328.7	0709.8	11.1	8.4	9.3	200	
90.0	27.4	2318.7	0706.7	10.9	8.4	9.3	200	
105.0	32.0	2303.7	0702.1	10.5	8.3	9.4	200	
120.0	36.5	2288.7	0697.6	10.0	8.3	9.4	200	
135.0	41.1	2273.7	0693.0	9.9	8.3	9.5	200	
150.0	45.7	2258.7	0688.4	9.7	8.3	9.4	195	
165.0	50.2	2243.7	0683.8	9.2	8.2	9.2	200	
180.0	54.8	2228.7	0679.3	9.0	8.2	9.0	200	
195.0	59.4	2213.7	0674.7	8.7	8.2	8.7	200	
210.0	64.0	2198.7	0670.1	8.2	8.1	8.3	200	
220.0	67.0	2188.7	0667.1	8.0	8.1	7.8	210	
230.0	70.1	2178.7	0664.0	7.0	7.9	5.9	260	
245.0	74.6	2163.7	0659.5	6.3	7.9	5.0	285	
258.0	78.6	2150.7	0655.5	6.2	7.9	4.9	285	
268.0	81.6	2140.7	0652.5	6.1	7.9	4.5	285	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 30 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2411.4	0734.9	21.8	8.2	8.2	210	
1.0	0.3	2410.5	0734.7	21.8	8.2	8.2	210	53,000
2.0	0.6	2409.5	0734.4	21.8	8.2	8.2	210	53,000
5.0	1.5	2406.5	0733.5	21.6	8.1	8.3	210	53,000
10.0	3.0	2401.5	0731.9	21.5	8.2	8.3	210	52,000
15.0	4.5	2396.5	0730.4	21.4	8.2	8.3	210	52,000
20.0	6.0	2391.5	0728.9	20.8	8.2	8.6	205	52,000
25.0	7.6	2386.5	0727.4	19.8	8.2	8.8	205	51,000
30.0	9.1	2381.5	0725.8	19.0	8.2	8.9	205	52,000
35.0	10.6	2376.5	0724.3	17.3	8.1	8.6	205	50,000
40.0	12.1	2371.5	0722.8	15.5	8.0	8.6	205	44,000
50.0	15.2	2361.5	0719.7	14.2	8.0	8.8	200	47,000
60.0	18.2	2351.5	0716.7	13.8	8.0	8.9	200	38,000
70.0	21.3	2341.5	0713.6	13.0	8.0	9.0	200	32,000
80.0	24.3	2331.5	0710.6	12.1	8.0	9.0	200	25,000
90.0	27.4	2321.5	0707.5	11.4	7.9	9.0	205	18,000
100.0	30.4	2311.5	0704.5	11.0	7.9	9.0	205	10,000
115.0	35.0	2296.5	0699.9	10.5	7.8	9.2	205	7,600
130.0	39.6	2281.5	0695.4	10.0	7.8	9.2	200	18,500
145.0	44.1	2266.5	0690.8	9.8	7.8	9.4	200	9,500
160.0	48.7	2251.5	0686.2	9.6	7.8	9.2	195	8,400
175.0	53.3	2236.5	0681.6	9.2	7.7	9.0	200	7,200
190.0	57.9	2221.5	0677.1	9.0	7.7	8.8	200	6,300
205.0	62.4	2206.5	0672.5	8.4	7.6	8.2	200	6,700
220.0	67.0	2191.5	0667.9	8.0	7.5	7.6	215	7,900
230.0	70.1	2181.5	0664.9	7.8	7.4	6.4	225	10,000
235.0	71.6	2176.5	0663.4	7.1	7.3	5.5	260	13,500
250.0	76.2	2161.5	0658.8	6.8	7.2	4.6	285	7,000
261.0	79.5	2150.5	0655.4	6.7	7.2	4.2	285	15,500
271.0	82.6	2140.5	0652.4	6.7	7.1	3.7	285	17,500

WATER QUALITY SAMPLING DATE: 06 AUG 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2413.3	0735.5	18.0	8.2	9.0	205	
1.0	0.3	2412.4	0735.3	18.0	8.2	9.0	205	29,000
2.0	0.6	2411.4	0735.0	18.0	8.2	9.0	205	29,000
5.0	1.5	2408.4	0734.0	17.9	8.1	9.0	205	31,000
10.0	3.0	2403.4	0732.5	17.3	8.1	8.8	205	38,000
15.0	4.5	2398.4	0731.0	17.3	8.1	8.8	205	41,000
20.0	6.0	2393.4	0729.5	17.1	8.1	8.8	205	42,000
25.0	7.6	2388.4	0727.9	16.4	8.0	8.7	205	50,000
30.0	9.1	2383.4	0726.4	16.2	8.0	8.7	205	48,000
35.0	10.6	2378.4	0724.9	15.8	8.0	8.7	205	45,000
40.0	12.1	2373.4	0723.4	15.3	8.0	8.7	205	46,000
50.0	15.2	2363.4	0720.3	14.4	8.0	8.8	200	42,000
60.0	18.2	2353.4	0717.3	14.0	8.0	8.9	200	34,000
70.0	21.3	2343.4	0714.2	13.3	8.0	9.0	200	37,000
80.0	24.3	2333.4	0711.2	12.8	7.9	9.0	200	27,000
95.0	28.9	2318.4	0706.6	11.8	7.9	9.0	200	20,000
110.0	33.5	2303.4	0702.0	11.0	7.9	9.1	200	19,500
125.0	38.1	2288.4	0697.5	10.5	7.9	9.2	200	20,000
140.0	42.6	2273.4	0692.9	10.1	7.9	9.4	195	23,500
155.0	47.2	2258.4	0688.3	10.0	7.9	9.5	195	18,000
170.0	51.8	2243.4	0683.8	9.6	7.8	9.4	195	10,500
185.0	56.3	2228.4	0679.2	9.2	7.8	9.1	190	6,000
200.0	60.9	2213.4	0674.6	9.0	7.7	8.7	190	5,000
215.0	65.5	2198.4	0670.0	8.6	7.6	8.3	195	2,500
225.0	68.5	2188.4	0667.0	8.3	7.6	7.7	205	3,500
235.0	71.6	2178.4	0663.9	7.6	7.4	5.8	240	10,500
245.0	74.6	2168.4	0660.9	6.8	7.3	4.2	275	16,000
260.0	79.2	2153.4	0656.3	6.7	7.2	3.6	285	14,500
270.0	82.2	2143.4	0653.3	6.7	7.2	2.7	285	15,000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 13 AUG 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2414.8	0736.0	21.6	8.2	8.1	210	
1.0	0.3	2413.9	0735.7	21.6	8.2	8.1	210	57,000
2.0	0.6	2412.9	0735.4	21.5	8.2	8.1	210	57,000
5.0	1.5	2409.9	0734.5	21.5	8.2	8.2	210	57,000
10.0	3.0	2404.9	0733.0	21.1	8.2	8.2	205	55,000
15.0	4.5	2399.9	0731.5	20.9	8.2	8.4	205	49,000
20.0	6.0	2394.9	0729.9	19.8	8.2	8.6	205	50,000
25.0	7.6	2389.9	0728.4	19.1	8.2	8.5	205	57,000
30.0	9.1	2384.9	0726.9	18.9	8.2	8.4	205	57,000
35.0	10.6	2379.9	0725.4	18.1	8.1	8.4	205	57,000
40.0	12.1	2374.9	0723.8	17.7	8.0	8.2	205	57,000
45.0	13.7	2369.9	0722.3	16.0	7.9	7.9	205	55,000
50.0	15.2	2364.9	0720.8	15.8	7.9	7.9	200	52,000
55.0	16.7	2359.9	0719.3	15.3	7.9	8.0	200	52,000
60.0	18.2	2354.9	0717.7	14.5	7.9	8.1	200	40,000
70.0	21.3	2344.9	0714.7	13.0	7.9	8.2	200	9,500
80.0	24.3	2334.9	0711.6	12.5	7.9	8.4	200	19,000
90.0	27.4	2324.9	0708.6	11.8	7.9	8.4	200	12,000
105.0	32.0	2309.9	0704.0	11.0	7.9	8.5	200	11,000
120.0	36.5	2294.9	0699.5	10.4	7.9	8.8	200	11,000
135.0	41.1	2279.9	0694.9	10.1	7.9	8.9	195	14,000
150.0	45.7	2264.9	0690.3	9.8	7.8	9.0	195	14,000
165.0	50.2	2249.9	0685.7	9.6	7.8	8.8	190	10,000
180.0	54.8	2234.9	0681.2	9.1	7.8	8.6	190	7,200
195.0	59.4	2219.9	0676.6	9.0	7.7	8.0	190	4,100
210.0	64.0	2204.9	0672.0	8.3	7.6	7.6	195	5,200
225.0	68.5	2189.9	0667.4	8.0	7.5	6.6	215	8,400
240.0	73.1	2174.9	0662.9	6.9	7.3	4.4	260	13,000
255.0	77.7	2159.9	0658.3	6.8	7.2	3.5	275	13,000
266.0	81.0	2148.9	0655.0	6.8	7.2	2.9	285	13,000
276.0	84.1	2138.9	0651.9	6.8	7.1	2.4	285	6,800

WATER QUALITY SAMPLING DATE: 20 AUG 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2414.2	0735.8	18.8	8.1	8.6	200	
1.0	0.3	2413.3	0735.5	18.6	8.1	8.6	200	48,000
2.0	0.6	2412.3	0735.2	18.1	8.1	8.6	205	49,000
5.0	1.5	2409.3	0734.3	18.0	8.1	8.6	205	46,000
10.0	3.0	2404.3	0732.8	18.0	8.1	8.6	205	47,000
15.0	4.5	2399.3	0731.3	18.0	8.1	8.6	205	46,000
20.0	6.0	2394.3	0729.8	18.0	8.0	8.6	210	45,000
25.0	7.6	2389.3	0728.2	18.0	8.0	8.7	210	45,000
30.0	9.1	2384.3	0726.7	17.8	8.0	8.7	210	45,000
35.0	10.6	2379.3	0725.2	17.8	8.0	8.7	210	44,000
40.0	12.1	2374.3	0723.7	17.6	8.0	8.7	210	44,000
45.0	13.7	2369.3	0722.1	17.6	8.0	8.8	210	43,000
50.0	15.2	2364.3	0720.6	17.3	8.0	8.8	210	43,000
60.0	18.2	2354.3	0717.6	16.4	8.0	8.8	210	45,000
70.0	21.3	2344.3	0714.5	15.8	7.9	8.5	205	48,000
80.0	24.3	2334.3	0711.5	14.8	7.9	8.6	195	38,000
90.0	27.4	2324.3	0708.4	13.2	7.9	8.8	200	29,000
105.0	32.0	2309.3	0703.8	11.8	7.9	9.1	200	21,000
120.0	36.5	2294.3	0699.3	10.8	7.9	9.2	200	24,000
135.0	41.1	2279.3	0694.7	10.2	7.9	9.6	200	25,000
150.0	45.7	2264.3	0690.1	10.0	7.8	9.6	195	20,000
165.0	50.2	2249.3	0685.6	9.6	7.8	9.4	195	13,000
180.0	54.8	2234.3	0681.0	9.2	7.8	9.2	190	10,000
195.0	59.4	2219.3	0676.4	9.0	7.7	8.7	190	8,200
210.0	64.0	2204.3	0671.8	8.4	7.6	7.9	195	8,600
225.0	68.5	2189.3	0667.3	8.0	7.5	7.0	200	10,000
235.0	71.6	2179.3	0664.2	7.8	7.4	6.0	225	52,000
245.0	74.6	2169.3	0661.2	7.0	7.3	4.0	245	68,000
255.0	77.7	2159.3	0658.1	6.6	7.2	2.9	280	74,000
266.0	81.0	2148.3	0654.8	6.6	7.2	2.8	280	60,000
276.0	84.1	2138.3	0651.7	6.7	7.2	2.6	280	

TABLE 13. STATION NO. 12301919, LAKE KOONANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 28 AUG 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2409.1	0734.3	18.0		8.3		
1.0	0.3	2408.2	0734.0	17.9		8.3		58,000
2.0	0.6	2407.2	0733.7	17.9		8.3		58,000
5.0	1.5	2404.2	0732.8	17.9		8.3		58,000
10.0	3.0	2399.2	0731.2	17.9	8.0	8.2		58,000
15.0	4.5	2394.2	0729.7	17.9		8.2		58,000
20.0	6.0	2389.2	0728.2	17.9		8.3		58,000
25.0	7.6	2384.2	0726.7	17.9		8.2		58,000
30.0	9.1	2379.2	0725.1	17.8		8.0		56,000
35.0	10.6	2374.2	0723.6	17.2		8.0		56,000
40.0	12.1	2369.2	0722.1	17.0		8.0		56,000
45.0	13.7	2364.2	0720.6					57,000
50.0	15.2	2359.2	0719.0					56,000
55.0	16.7	2354.2	0717.5					56,000
60.0	18.2	2349.2	0716.0					55,000
70.0	21.3	2339.2	0713.0					52,000
80.0	24.3	2329.2	0709.9					47,000
90.0	27.4	2319.2	0706.9					44,000
100.0	30.4	2309.2	0703.8					46,000
115.0	35.0	2294.2	0699.2					38,000
130.0	39.6	2279.2	0694.7					33,000
145.0	44.1	2264.2	0690.1					31,000
160.0	48.7	2249.2	0685.5					30,000
175.0	53.3	2234.2	0680.9					26,000
190.0	57.9	2219.2	0676.4					19,000
205.0	62.4	2204.2	0671.8					14,000
220.0	67.0	2189.2	0667.2					11,000
235.0	71.6	2174.2	0662.7					12,000
250.0	76.2	2159.2	0658.1					20,000
265.0	80.7	2144.2	0653.5					16,000
270.0	82.2	2139.2	0652.0					15,000

WATER QUALITY SAMPLING DATE: 04 SEP 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2404.1	0732.7	17.6		8.3		
1.0	0.3	2403.2	0732.5	17.6		8.3		62,000
2.0	0.6	2402.2	0732.2	17.7		8.3		61,000
5.0	1.5	2399.2	0731.2	17.7		8.3		60,000
10.0	3.0	2394.2	0729.7	17.7	8.0	8.4		60,000
15.0	4.5	2389.2	0728.2	17.7		8.5		59,000
20.0	6.0	2384.2	0726.7	17.7		8.5		58,000
25.0	7.6	2379.2	0725.2	17.7		8.4		57,000
30.0	9.1	2374.2	0723.6	17.7		8.4		55,000
35.0	10.6	2369.2	0722.1	17.7		8.4		59,000
40.0	12.1	2364.2	0720.6	17.5		8.4		63,000
45.0	13.7	2359.2	0719.1					65,000
50.0	15.2	2354.2	0717.5					64,000
55.0	16.7	2349.2	0716.0					66,000
60.0	18.2	2344.2	0714.5					64,000
70.0	21.3	2334.2	0711.4					63,000
80.0	24.3	2324.2	0708.4					59,000
90.0	27.4	2314.2	0705.3					60,000
100.0	30.4	2304.2	0702.3					59,000
115.0	35.0	2289.2	0697.7					57,000
130.0	39.6	2274.2	0693.1					56,000
145.0	44.1	2259.2	0688.6					49,000
160.0	48.7	2244.2	0684.0					42,000
175.0	53.3	2229.2	0679.4					34,000
190.0	57.9	2214.2	0674.9					26,000
210.0	64.0	2194.2	0668.8					18,000
225.0	68.5	2179.2	0664.2					15,000
240.0	73.1	2164.2	0659.6					16,000
255.0	77.7	2149.2	0655.0	9.0	3.9	3.9		21,000
265.0	80.7	2139.2	0652.0					23,000



TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 13 SEP 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2396.2	0730.3	17.8	8.0	8.1	215	
1.0	0.3	2395.3	0730.1	17.8	8.0	8.1	215	52.000
2.0	0.6	2394.3	0729.8	17.8	8.0	8.2	215	52.000
5.0	1.5	2391.3	0728.8	17.8	8.0	8.2	215	52.000
10.0	3.0	2386.3	0727.3	17.8	8.0	8.2	215	52.000
15.0	4.5	2381.3	0725.8	17.8	8.0	8.2	215	52.000
20.0	6.0	2376.3	0724.3	17.7	7.9	8.2	210	52.000
25.0	7.6	2371.3	0722.7	17.7	7.9	8.2	210	52.000
30.0	9.1	2366.3	0721.2	17.6	7.9	8.0	210	56.000
35.0	10.6	2361.3	0719.7	17.6	7.9	8.0	210	52.000
40.0	12.1	2356.3	0718.2	17.3	7.9	8.0	210	56.000
50.0	15.2	2346.3	0715.1	17.1	7.8	8.0	205	61.000
60.0	18.2	2336.3	0712.1	17.0	7.8	8.0	205	64.000
70.0	21.3	2326.3	0709.0	16.8	7.8	7.8	205	44.000
80.0	24.3	2316.3	0706.0	15.8	7.7	7.7	205	48.000
90.0	27.4	2306.3	0702.9	14.8	7.8	8.0	205	54.000
105.0	32.0	2291.3	0698.4	14.1	7.8	8.2	200	54.000
120.0	36.5	2276.3	0693.8	13.2	7.8	8.4	200	52.000
135.0	41.1	2261.3	0689.2	12.7	7.8	8.7	195	50.000
150.0	45.7	2246.3	0684.6	11.8	7.7	8.6	195	52.000
165.0	50.2	2231.3	0680.1	11.1	7.6	8.1	200	45.000
180.0	54.8	2216.3	0675.5	10.6	7.6	8.0	195	38.000
195.0	59.4	2201.3	0670.9	9.9	7.6	8.1	190	28.000
210.0	64.0	2186.3	0666.4	9.1	7.5	7.1	200	23.000
225.0	68.5	2171.3	0661.8	8.9	7.4	6.0	200	18.000
240.0	73.1	2156.3	0657.2	8.2	7.2	4.1	215	15.000
250.0	76.2	2146.3	0654.2	7.6	7.1	1.8	240	15.000
260.0	79.2	2136.3	0651.1	7.3	7.1	1.7	250	21.000

WATER QUALITY SAMPLING DATE: 17 SEP 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2392.6	0729.2	17.1	8.0	8.3	215	
1.0	0.3	2391.7	0729.0	17.1	8.0	8.3	215	49.000
2.0	0.6	2390.7	0728.7	17.1	8.0	8.3	215	49.000
5.0	1.5	2387.7	0727.7	17.1	8.0	8.3	215	48.000
10.0	3.0	2382.7	0726.2	17.1	8.0	8.3	215	47.000
15.0	4.5	2377.7	0724.7	17.1	8.0	8.3	215	47.000
20.0	6.0	2372.7	0723.2	17.0	8.0	8.3	215	47.000
25.0	7.6	2367.7	0721.7	17.0	8.0	8.3	215	47.000
30.0	9.1	2362.7	0720.1	17.0	8.0	8.3	215	47.000
35.0	10.6	2357.7	0718.6	17.0	8.0	8.3	215	47.000
40.0	12.1	2352.7	0717.1	17.0	8.0	8.3	205	47.000
45.0	13.7	2347.7	0715.6	17.0	8.0	8.3	205	47.000
50.0	15.2	2342.7	0714.0	17.0	8.0	8.4	205	48.000
60.0	18.2	2332.7	0711.0	17.0	8.0	8.4	200	48.000
70.0	21.3	2322.7	0707.9	17.0	8.0	8.4	200	48.000
80.0	24.3	2312.7	0704.9	16.8	7.9	8.5	190	48.000
95.0	28.9	2297.7	0700.3	14.7	7.7	8.0	180	40.000
110.0	33.5	2282.7	0695.7	14.1	7.7	8.2	195	46.000
125.0	38.1	2267.7	0691.2	13.3	7.7	8.5	195	49.000
140.0	42.6	2252.7	0686.6	12.4	7.7	8.7	195	49.000
155.0	47.2	2237.7	0682.0	11.8	7.6	8.2	195	41.000
170.0	51.8	2222.7	0677.5	11.0	7.6	7.6	200	40.000
185.0	56.3	2207.7	0672.9	10.0	7.5	7.5	200	32.000
200.0	60.9	2192.7	0668.3	9.2	7.4	6.7	200	24.000
215.0	65.5	2177.7	0663.7	9.0	7.4	6.1	200	19.000
230.0	70.1	2162.7	0659.2	8.7	7.2	5.2	200	18.000
243.0	74.0	2149.7	0655.2	8.0	7.1	1.9	215	13.000
253.0	77.1	2139.7	0652.2	7.9	7.0	0.9	225	9.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 24 SEP 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2386.3	0727.3	16.5	7.9	7.8	210	
1.0	0.3	2385.4	0727.0	16.5	7.9	7.8	210	47.000
2.0	0.6	2384.4	0726.7	16.5	7.9	7.8	210	46.000
5.0	1.5	2381.4	0725.8	16.5	7.9	7.8	210	46.000
10.0	3.0	2376.4	0724.3	16.5	7.9	7.8	210	47.000
15.0	4.5	2371.4	0722.8	16.5	7.9	7.8	210	46.000
20.0	6.0	2366.4	0721.2	16.3	7.9	7.8	210	46.000
25.0	7.6	2361.4	0719.7	16.3	7.9	7.8	210	46.000
30.0	9.1	2356.4	0718.2	16.3	7.9	7.8	210	46.000
35.0	10.6	2351.4	0716.7	16.3	7.9	7.8	210	47.000
40.0	12.1	2346.4	0715.1	16.3	7.9	7.9	210	47.000
45.0	13.7	2341.4	0713.6	16.2	7.9	7.9	210	47.000
50.0	15.2	2336.4	0712.1	16.2	7.9	7.9	210	48.000
60.0	18.2	2326.4	0709.0	16.1	7.9	7.9	210	48.000
70.0	21.3	2316.4	0706.0	15.6	7.6	7.1	215	52.000
80.0	24.3	2306.4	0702.9	15.2	7.6	7.2	210	48.000
90.0	27.4	2296.4	0699.9	15.1	7.6	7.3	210	50.000
105.0	32.0	2281.4	0695.3	14.5	7.6	7.6	205	40.000
120.0	36.5	2266.4	0690.8	13.8	7.6	7.8	200	33.000
135.0	41.1	2251.4	0686.2	13.0	7.6	7.8	200	42.000
150.0	45.7	2236.4	0681.6	12.2	7.5	7.3	200	32.000
165.0	50.2	2221.4	0677.0	11.2	7.4	6.8	200	30.000
180.0	54.8	2206.4	0672.5	10.5	7.4	6.6	200	29.000
195.0	59.4	2191.4	0667.9	10.0	7.4	6.0	195	23.000
210.0	64.0	2176.4	0663.3	9.5	7.3	5.6	195	19.000
225.0	68.5	2161.4	0658.7	9.3	7.2	5.1	195	19.000
235.0	71.6	2151.4	0655.7	9.0	7.1	3.4	205	13.000
245.0	74.6	2141.4	0652.7	8.8	7.1	2.8	205	7.000

WATER QUALITY SAMPLING DATE: 01 OCT 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2381.5	0725.9	15.8	7.9	8.2	210	
1.0	0.3	2380.6	0725.6	15.8	7.9	8.2	210	40.000
2.0	0.6	2379.6	0725.3	15.8	7.9	8.2	210	40.000
5.0	1.5	2376.6	0724.4	15.8	7.9	8.3	210	40.000
10.0	3.0	2371.6	0722.8	15.8	7.9	8.3	210	40.000
15.0	4.5	2366.6	0721.3	15.8	7.9	8.2	210	40.000
20.0	6.0	2361.6	0719.8	15.8	7.9	8.2	210	40.000
30.0	9.1	2351.6	0716.7	15.8	7.9	8.2	210	40.000
40.0	12.1	2341.6	0713.7	15.8	7.9	8.2	210	40.000
50.0	15.2	2331.6	0710.6	15.8	7.9	8.2	210	40.000
60.0	18.2	2321.6	0707.6	15.8	7.9	8.3	210	36.000
70.0	21.3	2311.6	0704.5	15.7	7.8	8.3	215	35.000
80.0	24.3	2301.6	0701.5	15.5	7.8	8.3	215	35.000
90.0	27.4	2291.6	0698.5	14.6	7.6	7.4	210	32.000
100.0	30.4	2281.6	0695.4	14.2	7.6	7.4	205	32.000
110.0	33.5	2271.6	0692.4	14.1	7.6	7.2	215	28.000
125.0	38.1	2256.6	0687.8	13.8	7.5	6.9	220	23.000
140.0	42.6	2241.6	0683.2	13.0	7.5	6.8	210	18.000
155.0	47.2	2226.6	0678.6	12.8	7.4	6.8	205	26.000
170.0	51.8	2211.6	0674.1	11.6	7.4	6.4	205	16.000
185.0	56.3	2196.6	0669.5	10.9	7.4	6.2	200	22.000
200.0	60.9	2181.6	0664.9	10.1	7.3	5.6	200	24.000
215.0	65.5	2166.6	0660.4	9.8	7.3	4.9	195	24.000
225.0	68.5	2156.6	0657.3	9.3	7.2	4.2	205	15.000
235.0	71.6	2146.6	0654.3	9.1	7.0	2.1	205	7.800
245.0	74.6	2136.6	0651.2	8.8	7.0	0.9	205	4.600

TARLE 13. STATION NO. 12301919, LAKE KODCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 10 OCT 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2377.7	0724.7	14.5	7.8	8.3	215	
1.0	0.3	2376.8	0724.4	14.5	7.8	8.3	215	34.000
2.0	0.6	2375.8	0724.1	14.5	7.8	8.3	215	34.000
5.0	1.5	2372.8	0723.2	14.5	7.8	8.3	215	34.000
10.0	3.0	2367.8	0721.7	14.5	7.8	8.3	215	34.000
15.0	4.5	2362.8	0720.1	14.5	7.8	8.3	215	34.000
20.0	6.0	2357.8	0718.6	14.4	7.8	8.3	215	34.000
30.0	9.1	2347.8	0715.6	14.4	7.8	8.3	215	34.000
40.0	12.1	2337.8	0712.5	14.4	7.8	8.3	215	34.000
50.0	15.2	2327.8	0709.5	14.4	7.8	8.3	215	34.000
60.0	18.2	2317.8	0706.4	14.4	7.8	8.3	215	34.000
70.0	21.3	2307.8	0703.4	14.4	7.8	8.3	215	34.000
80.0	24.3	2297.8	0700.3	14.4	7.8	8.3	215	34.000
90.0	27.4	2287.8	0697.3	14.4	7.8	8.3	215	34.000
105.0	32.0	2272.8	0692.7	14.4	7.8	8.3	215	34.000
120.0	36.5	2257.8	0688.1	14.3	7.8	8.3	215	34.000
130.0	39.6	2247.8	0685.1	14.2	7.6	7.0	225	34.000
140.0	42.6	2237.8	0682.0	13.8	7.5	6.5	230	35.000
155.0	47.2	2222.8	0677.5	13.2	7.4	5.8	235	27.000
170.0	51.8	2207.8	0672.9	12.0	7.4	6.0	210	18.000
185.0	56.3	2192.8	0668.3	11.1	7.4	5.7	205	17.000
200.0	60.9	2177.8	0663.7	10.4	7.3	5.1	200	25.000
210.0	64.0	2167.8	0660.7	10.1	7.3	4.9	200	28.000
220.0	67.0	2157.8	0657.6	9.7	7.2	3.4	205	19.000
230.0	70.1	2147.8	0654.6	9.4	7.1	2.1	210	8.000
240.0	73.1	2137.8	0651.6	9.0	7.1	0.7	210	6.000

WATER QUALITY SAMPLING DATE: 16 OCT 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2375.0	0723.9	14.0	7.8	8.3	225	
1.0	0.3	2374.1	0723.6	14.0	7.8	8.3	225	44.000
2.0	0.6	2373.1	0723.3	14.0	7.8	8.3	225	44.000
5.0	1.5	2370.1	0722.4	14.0	7.8	8.3	225	43.000
10.0	3.0	2365.1	0720.9	14.0	7.8	8.3	225	43.000
20.0	6.0	2355.1	0717.8	14.0	7.8	8.3	225	43.000
30.0	9.1	2345.1	0714.8	14.0	7.8	8.3	225	43.000
40.0	12.1	2335.1	0711.7	14.0	7.8	8.3	225	43.000
50.0	15.2	2325.1	0708.7	14.0	7.8	8.3	225	43.000
60.0	18.2	2315.1	0705.6	14.0	7.8	8.4	220	43.000
70.0	21.3	2305.1	0702.6	14.0	7.8	8.4	220	43.000
80.0	24.3	2295.1	0699.5	14.0	7.8	8.4	220	43.000
90.0	27.4	2285.1	0696.5	14.0	7.8	8.4	220	43.000
105.0	32.0	2270.1	0691.9	14.0	7.8	8.4	220	42.000
120.0	36.5	2255.1	0687.3	13.9	7.8	8.4	220	42.000
135.0	41.1	2240.1	0682.8	13.9	7.8	8.4	220	41.000
150.0	45.7	2225.1	0678.2	13.8	7.7	8.3	220	41.000
160.0	48.7	2215.1	0675.1	13.1	7.5	6.6	210	40.000
175.0	53.3	2200.1	0670.6	11.8	7.4	5.9	210	13.000
190.0	57.9	2185.1	0666.0	10.9	7.4	5.5	205	18.000
205.0	62.4	2170.1	0661.4	10.1	7.3	4.7	210	19.000
215.0	65.5	2160.1	0658.4	9.8	7.2	3.4	210	13.000
227.0	69.1	2148.1	0654.7	9.1	7.2	2.1	210	9.500
237.0	72.2	2138.1	0651.7	8.8	7.2	0.9	210	5.500

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 24 OCT 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2371.5	0722.8	13.4	7.7	8.0	230	
1.0	0.3	2370.6	0722.5	13.4	7.7	8.0	230	46.000
2.0	0.6	2369.6	0722.2	13.4	7.7	8.0	230	46.000
5.0	1.5	2366.6	0721.3	13.4	7.8	8.0	230	46.000
10.0	3.0	2361.6	0719.8	13.4	7.8	8.1	230	46.000
15.0	4.5	2356.6	0718.2	13.4	7.7	8.1	230	46.000
20.0	6.0	2351.6	0716.7	13.4	7.7	8.1	230	46.000
35.0	10.6	2336.6	0712.1	13.4	7.7	8.1	230	46.000
50.0	15.2	2321.6	0707.6	13.4	7.7	8.1	230	46.000
65.0	19.8	2306.6	0703.0	13.4	7.7	8.1	230	46.000
80.0	24.3	2291.6	0698.4	13.4	7.7	8.1	230	46.000
90.0	27.4	2281.6	0695.4	13.2	7.5	7.0	240	31.000
105.0	32.0	2266.6	0690.8	13.0	7.5	7.0	240	11.000
120.0	36.5	2251.6	0686.2	13.0	7.5	6.9	240	9.100
135.0	41.1	2236.6	0681.7	12.8	7.5	6.9	240	6.800
150.0	45.7	2221.6	0677.1	12.4	7.5	6.8	240	5.500
160.0	48.7	2211.6	0674.0	12.2	7.4	6.4	235	4.700
170.0	51.8	2201.6	0671.0	11.9	7.3	5.3	235	5.300
180.0	54.8	2191.6	0668.0	11.4	7.2	4.0	215	8.000
195.0	59.4	2176.6	0663.4	10.7	7.2	3.8	215	16.000
205.0	62.4	2166.6	0660.3	10.2	7.1	3.3	210	16.000
215.0	65.5	2156.6	0657.3	9.7	7.0	1.7	210	13.000
226.0	68.8	2145.6	0653.9	8.8	7.0	0.8	220	7.000
236.0	71.9	2135.6	0650.9	8.1	7.1	0.8	225	4.800

WATER QUALITY SAMPLING DATE: 29 OCT 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2370.5	0722.5	12.8	7.8	7.8	230	
1.0	0.3	2369.6	0722.2	12.8	7.8	7.8	230	42.000
2.0	0.6	2368.6	0721.9	12.8	7.8	7.8	230	42.000
5.0	1.5	2365.6	0721.0	12.8	7.8	7.8	230	42.000
10.0	3.0	2360.6	0719.5	12.8	7.8	7.8	230	41.000
20.0	6.0	2350.6	0716.4	12.8	7.7	7.8	230	41.000
30.0	9.1	2340.6	0713.4	12.8	7.7	7.8	230	41.000
40.0	12.1	2330.6	0710.3	12.8	7.7	7.8	230	42.000
50.0	15.2	2320.6	0707.3	12.8	7.7	7.8	230	42.000
60.0	18.2	2310.6	0704.2	12.8	7.7	7.7	230	42.000
70.0	21.3	2300.6	0701.2	12.8	7.6	7.7	230	42.000
80.0	24.3	2290.6	0698.1	12.8	7.6	7.6	230	42.000
90.0	27.4	2280.6	0695.1	12.8	7.6	7.6	230	42.000
100.0	30.4	2270.6	0692.0	12.2	7.5	6.8	240	23.000
115.0	35.0	2255.6	0687.5	12.0	7.6	7.5	240	14.000
130.0	39.6	2240.6	0682.9	11.8	7.6	7.2	240	9.800
145.0	44.1	2225.6	0678.3	11.2	7.6	7.1	240	5.900
160.0	48.7	2210.6	0673.7	11.2	7.5	6.8	240	6.300
175.0	53.3	2195.6	0669.2	11.0	7.4	6.0	240	4.400
185.0	56.3	2185.6	0666.1	11.0	7.4	5.1	240	5.500
195.0	59.4	2175.6	0663.1	10.8	7.2	3.3	210	12.000
210.0	64.0	2160.6	0658.5	9.8	7.1	1.8	210	12.000
220.0	67.0	2150.6	0655.5	9.1	7.0	1.4	210	6.000
230.0	70.1	2140.6	0652.4	8.2	7.1	1.9	215	6.700

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 13 NOV 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2365.2	0720.9	10.8	7.9	8.6	225	
1.0	0.3	2364.3	0720.6	10.8	7.9	8.6	225	30,000
2.0	0.6	2363.3	0720.3	10.8	7.9	8.6	225	29,000
5.0	1.5	2360.3	0719.4	10.8	7.9	8.6	225	29,000
10.0	3.0	2355.3	0717.8	10.8	7.9	8.7	225	29,000
20.0	6.0	2345.3	0714.8	10.8	7.9	8.9	225	29,000
30.0	9.1	2335.3	0711.7	10.8	7.9	9.0	225	28,000
40.0	12.1	2325.3	0708.7	10.8	7.8	9.2	225	28,000
50.0	16.7	2310.3	0704.1	10.8	7.9	9.4	225	28,000
70.0	21.3	2295.3	0699.6	10.8	7.8	9.5	225	27,000
85.0	25.9	2280.3	0695.0	10.8	7.8	9.6	225	26,000
100.0	30.4	2265.3	0690.4	10.8	7.9	9.7	225	23,000
115.0	35.0	2250.3	0685.8	10.6	7.9	9.8	225	21,000
130.0	39.6	2235.3	0681.3	10.6	7.8	9.9	225	15,000
145.0	44.1	2220.3	0676.7	10.6	7.8	9.9	225	14,000
160.0	48.7	2205.3	0672.1	10.6	7.8	9.8	235	13,000
175.0	53.3	2190.3	0667.6	10.4	7.8	9.6	240	12,000
190.0	57.9	2175.3	0663.0	10.4	7.7	9.4	245	10,000
205.0	62.4	2160.3	0658.4	10.2	7.6	8.4	255	10,000
215.0	65.5	2150.3	0655.4	9.4	7.3	4.5	230	0,000
230.0	70.1	2135.3	0650.8	7.8	7.4	1.6	245	1,600
240.0	73.1	2125.3	0647.7	7.8	7.4	1.8	245	0,000

WATER QUALITY SAMPLING DATE: 28 NOV 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2364.1	0720.5	9.0	7.9	8.7	235	
1.0	0.3	2363.2	0720.3	9.0	7.9	8.7	235	37,000
2.0	0.6	2362.2	0720.0	9.0	7.9	8.7	235	37,000
5.0	1.5	2359.2	0719.0	9.0	7.9	8.7	235	37,000
10.0	3.0	2354.2	0717.5	9.0	7.9	8.7	235	37,000
15.0	4.5	2349.2	0716.0	9.0	7.9	8.7	235	37,000
20.0	6.0	2344.2	0714.5	9.0	7.9	8.7	235	37,000
30.0	9.1	2334.2	0711.4	9.0	7.9	8.7	235	37,000
40.0	12.1	2324.2	0708.4	9.0	7.9	8.7	235	36,000
50.0	15.2	2314.2	0705.3	9.0	7.9	8.7	235	37,000
60.0	18.2	2304.2	0702.3	9.0	7.9	8.7	235	37,000
70.0	21.3	2294.2	0699.2	9.0	7.9	8.5	235	37,000
80.0	24.3	2284.2	0696.2	9.0	7.9	8.5	235	37,000
90.0	27.4	2274.2	0693.1	9.0	7.9	8.5	225	37,000
100.0	30.4	2264.2	0690.1	9.0	7.9	8.7	225	37,000
110.0	33.5	2254.2	0687.0	9.0	7.9	8.7	225	37,000
120.0	36.5	2244.2	0684.0	8.9	7.9	8.8	225	36,000
130.0	39.6	2234.2	0680.9	8.1	7.9	8.8	235	16,000
140.0	42.6	2224.2	0677.9	7.8	7.9	8.9	235	13,000
155.0	47.2	2209.2	0673.3	7.4	7.9	9.0	240	5,500
170.0	51.8	2194.2	0668.7	7.2	7.9	9.0	240	5,200
185.0	56.3	2179.2	0664.2	7.2	7.9	9.0	240	4,100
200.0	60.9	2164.2	0659.6	7.2	7.9	9.0	240	2,800
214.0	65.2	2150.2	0655.3	7.2	7.8	9.0	240	3,000
224.0	68.2	2140.2	0652.3	7.2	7.8	9.0	240	2,300

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 05 DEC 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2365.2	0720.9	8.6	7.9	9.0	235	
1.0	0.3	2364.3	0720.6	8.6	7.9	9.0	235	46.000
2.0	0.6	2363.3	0720.3	8.6	7.9	9.0	235	45.000
5.0	1.5	2360.3	0719.4	8.6	7.9	9.0	235	46.000
10.0	3.0	2355.3	0717.9	8.6	7.9	9.0	235	46.000
15.0	4.5	2350.3	0716.3	8.6	7.9	9.0	235	46.000
20.0	6.0	2345.3	0714.8	8.6	7.9	8.9	235	46.000
30.0	9.1	2335.3	0711.8	8.6	7.9	9.0	235	46.000
40.0	12.1	2325.3	0708.7	8.6	7.9	8.9	235	46.000
50.0	15.2	2315.3	0705.7	8.6	7.9	8.9	235	46.000
60.0	18.2	2305.3	0702.6	8.5	7.9	8.9	235	43.000
70.0	21.3	2295.3	0699.6	8.2	7.9	9.0	245	29.000
80.0	24.3	2285.3	0696.5	8.0	7.8	8.7	245	33.000
90.0	27.4	2275.3	0693.5	7.9	7.8	8.8	245	30.000
100.0	30.4	2265.3	0690.4	7.8	7.8	8.8	245	29.000
110.0	33.5	2255.3	0687.4	7.7	7.8	8.9	245	27.000
120.0	36.5	2245.3	0684.3	7.6	7.8	9.0	245	25.000
130.0	39.6	2235.3	0681.3	7.6	7.8	9.0	245	23.000
140.0	42.6	2225.3	0678.2	7.5	7.8	9.0	245	22.000
155.0	47.2	2210.3	0673.7	7.5	7.8	9.0	245	19.000
170.0	51.8	2195.3	0669.1	7.5	7.8	9.0	245	18.000
185.0	56.3	2180.3	0664.5	7.5	7.8	9.0	245	14.000
200.0	60.9	2165.3	0659.9	7.5	7.8	9.0	245	9.000
213.0	64.9	2152.3	0656.0	7.5	7.8	9.1	245	8.500
223.0	67.9	2142.3	0652.9	7.5	7.8	9.1	245	8.000

WATER QUALITY SAMPLING DATE: 19 DEC 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2366.7	0721.3	7.0	8.0	9.5	235	
1.0	0.3	2365.8	0721.1	7.0	8.0	9.5	235	
2.0	0.6	2364.8	0720.8	7.0	8.0	9.5	235	52.000
5.0	1.5	2361.8	0719.9	7.0	8.0	9.6	235	50.000
10.0	3.0	2356.8	0718.3	7.0	8.0	9.6	235	50.000
25.0	7.6	2341.8	0713.8	7.0	8.0	9.6	235	50.000
40.0	12.1	2326.8	0709.2	7.0	8.0	9.7	235	50.000
55.0	16.7	2311.8	0704.6	7.0	8.0	9.7	235	50.000
70.0	21.3	2296.8	0700.0	7.0	8.0	9.7	235	50.000
85.0	25.9	2281.8	0695.5	7.0	8.0	9.7	235	50.000
100.0	30.4	2266.8	0690.9	7.0	8.0	9.7	235	50.000
115.0	35.0	2251.8	0686.3	7.0	7.9	9.7	235	50.000
130.0	39.6	2236.8	0681.8	6.8	7.9	9.6	235	44.000
145.0	44.1	2221.8	0677.2	6.4	7.9	9.6	235	25.000
160.0	48.7	2206.8	0672.6	6.3	7.9	9.6	235	24.000
175.0	53.3	2191.8	0668.0	6.3	7.9	9.6	235	21.000
190.0	57.9	2176.8	0663.5	6.2	7.9	9.6	230	20.000
205.0	62.4	2161.8	0658.9	6.2	7.9	9.6	230	17.000
220.0	67.0	2146.8	0654.3	6.2	7.9	9.6	230	17.000
230.0	70.1	2136.8	0651.3	6.2	7.9	9.7	230	17.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 15 FEB 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2344.3	0714.5	2.0	8.2	11.6	215	
1.0	0.3	2343.3	0714.2	2.0	8.2	11.6	215	
2.0	0.6	2342.3	0713.9	2.0	8.2	11.6	215	
5.0	1.5	2339.3	0713.0	2.4	8.2	11.6	210	
10.0	3.0	2334.3	0711.4	2.5	8.2	11.5	210	
15.0	4.5	2329.3	0709.9	2.5	8.2	11.4	210	
20.0	6.0	2324.3	0708.0	2.6	8.2	11.4	210	
25.0	7.6	2319.3	0706.9	2.6	8.2	11.4	210	
30.0	9.1	2314.3	0705.4	2.8	8.2	11.4	210	
40.0	12.1	2304.3	0702.3	2.8	8.2	11.4	210	
55.0	16.7	2289.3	0697.7	2.9	8.2	11.5	210	
70.0	21.3	2274.3	0693.2	3.0	8.2	11.6	210	
85.0	25.9	2259.3	0688.6	3.1	8.1	11.6	220	
100.0	30.4	2244.3	0684.0	3.2	8.1	11.6	220	
115.0	35.0	2229.3	0679.4	3.2	8.1	11.7	220	
130.0	39.6	2214.3	0674.9	3.2	8.1	11.7	220	
145.0	44.1	2199.3	0670.3	3.2	8.0	11.7	220	
160.0	48.7	2184.3	0665.7	3.2	7.9	11.6	220	
175.0	53.3	2169.3	0661.2	3.2	7.7	11.6	220	
189.0	57.6	2155.3	0656.9	3.2	7.6	11.6	220	
199.0	60.6	2145.3	0653.8	3.2	7.5	11.5	220	

WATER QUALITY SAMPLING DATE: 03 APR 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2305.9	0702.8	2.8	8.2	11.6	225	
1.0	0.3	2304.9	0702.5	2.7	8.2	11.6	230	61,000
2.0	0.6	2303.9	0702.2	2.7	8.2	11.6	230	61,000
5.0	1.5	2300.9	0701.3	2.7	8.2	11.6	230	62,000
10.0	3.0	2295.9	0699.7	2.7	8.2	11.6	230	61,000
15.0	4.5	2290.9	0698.2	2.7	8.2	11.6	230	61,000
20.0	6.0	2285.9	0696.7	2.7	8.2	11.7	230	61,000
30.0	9.1	2275.9	0693.7	2.6	8.2	11.7	230	62,000
40.0	12.1	2265.9	0690.6	2.6	8.2	11.7	230	62,000
50.0	15.2	2255.9	0687.6	2.6	8.2	11.8	230	62,000
60.0	18.2	2245.9	0684.5	2.6	8.2	11.8	230	62,000
70.0	21.3	2235.9	0681.5	2.6	8.2	11.9	230	62,000
80.0	24.3	2225.9	0678.4	2.6	8.2	11.9	230	62,000
90.0	27.4	2215.9	0675.4	2.6	8.2	12.0	230	62,000
100.0	30.4	2205.9	0672.3	2.6	8.2	12.1	230	62,000
110.0	33.5	2195.9	0669.3	2.6	8.1	12.1	230	62,000
120.0	36.5	2185.9	0666.2	2.6	8.0	12.1	230	60,000
130.0	39.6	2175.9	0663.2	2.6	8.0	12.1	230	59,000
140.0	42.6	2165.9	0660.1	2.6	8.0	12.1	230	59,000
150.0	45.7	2155.9	0657.1	2.5	8.0	12.1	230	59,000
158.0	48.1	2147.9	0654.6	2.4	8.0	12.0	230	59,000
168.0	51.2	2137.9	0651.6	2.5	8.0	11.8	230	59,000

WATER QUALITY SAMPLING DATE: 10 APR 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2305.5	0702.7	2.2	8.3	11.4	245	
1.0	0.3	2304.5	0702.4	2.2	8.3	11.4	245	21,000
2.0	0.6	2303.5	0702.1	2.2	8.3	11.4	245	21,000
5.0	1.5	2300.5	0701.2	2.2	8.3	11.4	245	21,000
10.0	3.0	2295.5	0699.6	2.2	8.3	11.4	245	21,000
15.0	4.5	2290.5	0698.1	2.2	8.3	11.4	245	21,000
20.0	6.0	2285.5	0696.6	2.2	8.3	11.4	245	21,000
30.0	9.1	2275.5	0693.5	2.2	8.3	11.2	245	21,000
40.0	12.1	2265.5	0690.5	2.2	8.3	11.4	245	21,000
50.0	15.2	2255.5	0687.4	2.2	8.3	11.4	245	21,000
60.0	18.2	2245.5	0684.4	2.2	8.3	11.4	245	21,000
70.0	21.3	2235.5	0681.3	2.2	8.3	11.4	245	21,000
80.0	24.3	2225.5	0678.3	2.2	8.3	11.5	245	21,000
90.0	27.4	2215.5	0675.3	2.2	8.3	11.5	250	20,000
100.0	30.4	2205.5	0672.2	2.2	8.2	11.5	250	18,000
110.0	33.5	2195.5	0669.2	2.2	8.2	11.5	250	17,000
120.0	36.5	2185.5	0666.1	2.2	8.2	11.6	250	17,000
130.0	39.6	2175.5	0663.1	2.2	8.1	11.6	250	17,000
140.0	42.6	2165.5	0660.0	2.2	8.1	11.8	250	17,000
150.0	45.7	2155.5	0657.0	2.2	8.1	11.8	250	16,000
161.0	49.0	2144.5	0653.6	2.2	8.1	11.8	250	16,000
171.0	52.1	2134.5	0650.6	2.2	8.1	11.8	250	16,000

TABLE 13. STATION NO. 12301919, LAKE KODCANUSA AT FORFBAY

WATER QUALITY SAMPLING DATE: 17 APR 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2305.7	0702.7	3.4	8.3	12.1	240	
1.0	0.3	2304.7	0702.4	3.4	8.3	12.1	240	21.000
2.0	0.6	2303.7	0702.1	3.4	8.3	12.1	240	21.000
5.0	1.5	2300.7	0701.2	3.4	8.3	12.1	240	21.000
10.0	3.0	2295.7	0699.7	3.4	8.3	12.1	240	21.000
15.0	4.5	2290.7	0698.2	3.4	8.3	12.2	240	21.000
20.0	6.0	2285.7	0696.6	3.4	8.3	12.2	240	23.000
30.0	9.1	2275.7	0693.6	3.3	8.3	12.2	240	23.000
40.0	12.1	2265.7	0690.5	3.3	8.3	12.2	240	23.000
50.0	15.2	2255.7	0687.5	3.2	8.3	12.2	250	23.000
60.0	18.2	2245.7	0684.5	3.1	8.3	12.1	250	23.000
70.0	21.3	2235.7	0681.4	3.0	8.3	12.0	250	23.000
80.0	24.3	2225.7	0678.4	3.0	8.3	12.0	250	23.000
90.0	27.4	2215.7	0675.3	3.0	8.4	12.0	250	21.000
100.0	30.4	2205.7	0672.3	3.0	8.4	12.0	250	21.000
110.0	33.5	2195.7	0669.2	3.0	8.4	11.9	250	20.000
120.0	36.5	2185.7	0666.2	3.0	8.4	11.9	250	19.000
130.0	39.6	2175.7	0663.1	3.0	8.4	11.9	250	18.000
140.0	42.6	2165.7	0660.1	3.0	8.4	11.9	250	18.000
150.0	45.7	2155.7	0657.0	3.0	8.4	11.9	250	18.000
159.0	48.4	2146.7	0654.3	3.0	8.4	11.8	255	18.000
169.0	51.5	2136.7	0651.2	3.0	8.4	11.7	255	18.000

WATER QUALITY SAMPLING DATE: 23 APR 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2305.6	0702.7	4.7	8.3	13.5	230	
1.0	0.3	2304.6	0702.4	4.7	8.3	13.5	230	8.500
2.0	0.6	2303.6	0702.1	4.0	8.3	13.2	230	8.500
5.0	1.5	2300.6	0701.2	3.8	8.2	12.8	230	11.000
10.0	3.0	2295.6	0699.7	3.7	8.2	12.5	230	14.000
15.0	4.5	2290.6	0698.1	3.7	8.2	12.4	230	15.000
20.0	6.0	2285.6	0696.6	3.5	8.2	12.4	230	16.000
30.0	9.1	2275.6	0693.6	3.4	8.1	12.1	230	19.000
40.0	12.1	2265.6	0690.5	3.1	8.0	11.9	240	23.000
50.0	15.2	2255.6	0687.5	3.1	8.0	11.8	240	23.000
60.0	18.2	2245.6	0684.4	3.1	8.0	11.8	240	23.000
70.0	21.3	2235.6	0681.4	3.1	7.9	11.8	240	23.000
80.0	24.3	2225.6	0678.3	3.1	7.9	11.8	240	20.000
90.0	27.4	2215.6	0675.3	3.1	7.9	11.8	240	19.000
100.0	30.4	2205.6	0672.2	3.1	7.9	11.8	240	19.000
110.0	33.5	2195.6	0669.2	3.1	7.9	11.8	240	19.000
120.0	36.5	2185.6	0666.1	3.1	7.9	11.8	240	19.000
130.0	39.6	2175.6	0663.1	3.1	7.9	11.8	240	19.000
140.0	42.6	2165.6	0660.0	3.1	7.9	11.8	240	19.000
150.0	45.7	2155.6	0657.0	3.1	7.9	11.8	240	19.000
163.0	49.4	2142.6	0653.0	3.1	7.9	11.8	240	18.000
173.0	52.7	2132.6	0650.0	3.1	8.0	11.8	240	18.000

WATER QUALITY SAMPLING DATE: 02 MAY 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2307.0	0703.1	7.0	8.4	13.0	240	
1.0	0.3	2306.0	0702.8	7.0	8.4	13.0	240	2.600
2.0	0.6	2305.0	0702.5	7.0	8.4	13.0	240	2.600
5.0	1.5	2302.0	0701.6	7.0	8.4	12.8	240	2.600
10.0	3.0	2297.0	0700.1	7.0	8.4	12.8	240	2.300
15.0	4.5	2292.0	0698.6	7.0	8.4	12.6	240	2.300
20.0	6.0	2287.0	0697.0	7.0	8.4	12.4	240	2.300
30.0	9.1	2277.0	0694.0	6.8	8.4	12.2	240	2.300
40.0	12.1	2267.0	0690.9	6.4	8.3	12.0	240	2.600
50.0	15.2	2257.0	0687.9	6.0	8.2	12.2	230	2.800
60.0	18.2	2247.0	0684.8	5.4	8.2	12.2	230	4.500
70.0	21.3	2237.0	0681.8	5.2	8.1	12.2	235	4.900
80.0	24.3	2227.0	0678.7	5.0	8.1	12.0	235	5.300
90.0	27.4	2217.0	0675.7	5.0	8.1	11.8	235	5.800
100.0	30.4	2207.0	0672.6	5.0	8.0	11.8	235	5.800
110.0	33.5	2197.0	0669.6	5.0	8.0	11.6	235	7.900
120.0	36.5	2187.0	0666.6	4.8	8.0	11.6	235	7.900
130.0	39.6	2177.0	0663.5	4.5	8.0	11.6	235	9.200
140.0	42.6	2167.0	0660.5	4.5	8.0	11.6	235	9.200
150.0	45.7	2157.0	0657.4	4.5	8.0	11.4	235	9.200
163.0	49.6	2144.0	0653.4	4.5	8.0	11.2	235	9.800
173.0	52.7	2134.0	0650.4	4.5	8.0	11.2	235	9.800



TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 08 MAY 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2310.9	0704.3	9.0	8.5	11.6	240	
1.0	0.3	2309.9	0704.0	9.0	8.5	11.7	240	3.400
2.0	0.6	2308.9	0703.7	9.0	8.5	11.9	240	3.400
5.0	1.5	2305.9	0702.8	8.7	8.4	11.0	240	3.100
10.0	3.0	2300.9	0701.3	8.5	8.4	11.0	240	2.800
15.0	4.5	2295.9	0699.7	8.5	8.4	10.7	240	2.800
20.0	6.0	2290.9	0698.2	8.5	8.4	10.7	235	2.800
30.0	9.1	2280.9	0695.2	8.2	8.4	10.5	235	2.600
40.0	12.1	2270.9	0692.1	8.0	8.3	10.3	235	1.500
50.0	15.2	2260.9	0689.1	8.0	8.4	10.6	235	2.300
60.0	18.2	2250.9	0686.0	7.8	8.4	10.6	235	2.600
70.0	21.3	2240.9	0683.0	7.6	8.4	10.6	240	2.300
80.0	24.3	2230.9	0679.9	7.4	8.4	11.1	240	4.100
90.0	27.4	2220.9	0676.9	6.8	8.4	11.5	240	4.100
100.0	30.4	2210.9	0673.8	5.3	8.3	11.6	245	6.300
110.0	33.5	2200.9	0670.8	5.3	8.3	11.6	245	6.800
120.0	36.5	2190.9	0667.7	5.1	8.2	11.4	250	9.200
130.0	39.6	2180.9	0664.7	5.0	8.2	11.3	250	9.200
140.0	42.6	2170.9	0661.6	5.0	8.2	11.2	240	9.800
150.0	45.7	2160.9	0658.6	4.8	8.1	11.1	240	11.000
160.0	48.7	2150.9	0655.6	4.8	8.1	11.2	240	11.000
168.0	51.2	2142.9	0653.1	4.8	8.1	11.1	240	11.000
178.0	54.2	2132.9	0650.1	4.8	8.1	11.2	240	11.000

WATER QUALITY SAMPLING DATE: 16 MAY 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2326.8	0709.2	8.3	8.3	10.5	205	
1.0	0.3	2325.8	0708.9	8.3	8.3	10.6	205	0.330
2.0	0.6	2324.8	0708.5	8.3	8.3	10.6	205	0.330
5.0	1.5	2321.8	0707.6	8.3	8.3	10.7	205	0.330
10.0	3.0	2316.8	0706.1	8.3	8.3	10.8	205	0.280
15.0	4.5	2311.8	0704.6	8.3	8.3	10.6	205	0.280
20.0	6.0	2306.8	0703.1	8.3	8.3	10.5	205	0.280
30.0	9.1	2296.8	0700.0	8.3	8.2	10.4	205	0.230
40.0	12.1	2286.8	0697.0	8.1	8.2	10.3	210	0.190
50.0	15.2	2276.8	0693.9	8.0	8.2	10.3	210	0.100
60.0	18.2	2266.8	0690.9	8.0	8.2	10.3	210	0.050
70.0	21.3	2256.8	0687.8	7.9	8.2	10.1	210	0.050
80.0	24.3	2246.8	0684.8	7.8	8.2	10.1	215	0.160
90.0	27.4	2236.8	0681.7	7.3	8.2	10.3	215	0.230
100.0	30.4	2226.8	0678.7	7.1	8.2	10.7	225	0.390
110.0	33.5	2216.8	0675.6	6.7	8.3	10.7	235	1.100
120.0	36.5	2206.8	0672.6	5.8	8.2	10.7	245	1.900
130.0	39.6	2196.8	0669.5	5.3	8.2	10.7	245	6.300
140.0	42.6	2186.8	0666.5	5.2	8.1	10.6	250	7.300
150.0	45.7	2176.8	0663.4	5.1	8.1	10.6	250	11.000
160.0	48.7	2166.8	0660.4	5.0	8.1	10.6	250	11.000
170.0	51.8	2156.8	0657.3	5.0	8.1	10.6	250	11.000
177.0	53.9	2149.8	0655.2	5.0	8.1	10.6	250	11.000
187.0	56.9	2139.8	0652.2	5.0	8.1	10.3	250	11.000

TABLE 13. STATION NO. 12301919, LAKE KOOCHANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 21 MAY 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (%/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2328.1	0709.6	11.7	8.4	10.3	225	
1.0	0.3	2327.1	0709.5	11.7	8.4	10.3	225	2.600
2.0	0.6	2326.1	0709.0	11.6	8.4	10.3	215	2.600
5.0	1.5	2323.1	0708.1	11.5	8.4	10.3	215	2.300
10.0	3.0	2318.1	0706.5	11.0	8.4	10.3	220	2.300
15.0	4.5	2313.1	0705.0	11.0	8.4	10.3	220	2.800
20.0	6.0	2308.1	0703.5	10.4	8.5	10.3	220	2.800
30.0	9.1	2298.1	0700.4	9.2	8.4	10.3	220	0.710
40.0	12.1	2288.1	0697.4	9.0	8.3	9.8	220	0.710
50.0	15.2	2278.1	0694.3	9.0	8.3	9.7	220	1.200
60.0	18.2	2268.1	0691.3	8.9	8.3	9.7	210	1.200
70.0	21.3	2258.1	0688.2	8.8	8.3	9.7	210	1.200
80.0	24.3	2248.1	0685.2	8.7	8.3	9.6	205	1.100
90.0	27.4	2238.1	0682.1	8.0	8.2	9.4	210	1.300
100.0	30.4	2228.1	0679.1	7.8	8.2	9.4	210	0.810
110.0	33.5	2218.1	0676.1	7.2	8.2	9.4	225	0.620
120.0	36.5	2208.1	0673.0	6.4	8.2	9.5	235	0.620
130.0	39.6	2198.1	0670.0	5.5	8.0	9.5	245	4.100
140.0	42.6	2188.1	0666.9	5.4	8.0	9.5	245	6.300
150.0	45.7	2178.1	0663.9	5.4	8.0	9.5	245	7.300
160.0	48.7	2168.1	0660.8	5.3	8.0	9.3	245	7.300
170.0	51.8	2158.1	0657.8	5.2	8.0	9.3	250	8.500
183.0	55.7	2145.1	0653.8	5.2	7.9	9.2	250	8.500
193.0	58.8	2135.1	0650.8	5.1	7.9	9.2	250	8.500

WATER QUALITY SAMPLING DATE: 29 MAY 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (%/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2338.9	0712.9	12.3	8.4	10.7	220	
1.0	0.3	2337.9	0712.6	12.2	8.4	10.7	215	3.100
2.0	0.6	2336.9	0712.3	12.2	8.4	10.8	215	3.100
5.0	1.5	2333.9	0711.4	11.9	8.4	11.2	215	3.100
10.0	3.0	2328.9	0709.8	11.6	8.4	10.8	215	2.800
15.0	4.5	2323.9	0708.3	11.2	8.4	10.8	210	2.800
20.0	6.0	2318.9	0706.8	10.2	8.4	10.8	210	2.600
25.0	7.6	2313.9	0705.3	9.3	8.4	10.6	205	2.600
30.0	9.1	2308.9	0703.7	8.9	8.4	10.4	200	2.600
40.0	12.1	2298.9	0700.7	8.6	8.3	10.3	195	2.100
50.0	15.2	2288.9	0697.6	8.4	8.3	10.2	195	2.100
60.0	18.2	2278.9	0694.6	8.3	8.2	10.1	195	1.300
70.0	21.3	2268.9	0691.5	8.3	8.2	10.1	195	0.530
80.0	24.3	2258.9	0688.5	8.2	8.2	10.0	190	0.460
90.0	27.4	2248.9	0685.4	8.1	8.2	10.0	190	0.390
100.0	30.4	2238.9	0682.4	8.1	8.2	10.0	190	0.130
110.0	33.5	2228.9	0679.3	8.0	8.2	10.0	190	0.080
120.0	36.5	2218.9	0676.3	8.0	8.2	10.0	190	0.010
130.0	39.6	2208.9	0673.3	8.0	8.2	10.0	190	0.010
140.0	42.6	2198.9	0670.2	7.7	8.2	10.0	195	0.030
150.0	45.7	2188.9	0667.2	6.9	8.2	9.9	225	1.300
160.0	48.7	2178.9	0664.1	5.9	8.0	9.7	245	2.300
170.0	51.8	2168.9	0661.1	5.9	8.0	9.7	245	2.600
180.0	54.8	2158.9	0658.0	5.8	8.0	9.7	245	3.100
193.0	58.9	2145.9	0654.0	5.3	8.0	9.7	245	5.300
203.0	61.8	2135.9	0651.0	5.3	8.0	9.6	245	5.300

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 14 JUN 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2376.1	0724.2	13.0	8.7	11.5	205	
0.6	0.1	2375.5	0724.0	12.9	8.7	11.5	200	4.500
1.0	0.3	2375.1	0723.9	12.8	8.7	11.5	200	4.500
2.0	0.6	2374.1	0723.6	12.4	8.7	11.6	200	4.900
4.7	1.4	2371.4	0722.8	11.0	8.6	11.6	200	2.600
10.0	3.0	2366.1	0721.2	10.7	8.4	10.6	200	2.300
15.0	4.5	2361.1	0719.6	10.6	8.4	10.4	200	2.600
20.0	6.0	2356.1	0718.1	10.5	8.3	10.3	200	3.800
25.0	7.6	2351.1	0716.6	10.3	8.3	10.2	200	5.800
30.0	9.1	2346.1	0715.1	10.1	8.2	10.2	200	7.900
40.0	12.1	2336.1	0712.0	10.0	8.2	10.1	195	7.900
50.0	15.2	2326.1	0709.0	9.9	8.1	10.1	195	9.200
60.0	18.2	2316.1	0705.9	9.6	8.1	10.0	190	4.100
70.0	21.3	2306.1	0702.9	9.3	8.0	10.0	190	2.300
80.0	24.3	2296.1	0699.8	9.2	8.0	10.2	190	0.920
90.0	27.4	2286.1	0696.8	9.0	8.0	10.2	185	0.390
100.0	30.4	2276.1	0693.7	9.0	8.0	10.1	185	0.160
110.0	33.5	2266.1	0690.7	8.9	8.0	10.1	185	0.050
120.0	36.5	2256.1	0687.6	8.9	8.0	10.2	185	0.080
130.0	39.6	2246.1	0684.6	8.7	8.0	10.0	185	0.160
140.0	42.6	2236.1	0681.5	8.4	7.9	10.0	185	0.280
150.0	45.7	2226.1	0678.5	8.1	7.9	10.0	190	3.100
160.0	48.7	2216.1	0675.4	8.0	7.9	9.8	190	2.600
170.0	51.8	2206.1	0672.4	7.8	7.8	9.8	190	2.600
180.0	54.8	2196.1	0669.3	7.5	7.8	9.6	190	2.300
190.0	57.9	2186.1	0666.3	7.1	7.8	9.3	200	2.300
200.0	60.9	2176.1	0663.3	6.2	7.7	8.4	230	6.800
215.0	65.5	2161.1	0658.7	6.0	7.7	8.1	230	7.900
229.0	69.7	2147.1	0654.4	6.0	7.7	8.1	235	6.300
239.0	72.8	2137.1	0651.4	6.0	7.7	7.9	235	6.300

WATER QUALITY SAMPLING DATE: 28 JUN 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2436.4	0742.6	16.8	8.5	9.6	200	
0.9	0.2	2435.5	0742.3	16.8	8.5	9.4	200	7.300
2.0	0.6	2434.4	0742.0	16.8	8.5	10.2	200	7.300
3.0	0.9	2433.4	0741.7	16.8	8.5	9.4	200	7.300
5.0	1.5	2431.4	0741.1	16.4	8.5	9.5	205	7.300
10.0	3.0	2426.4	0739.5	14.8	8.4	9.5	205	19.000
15.0	4.5	2421.4	0738.0	13.8	8.4	9.6	200	25.000
20.0	6.0	2416.4	0736.5	12.6	8.3	9.6	200	27.000
23.3	7.1	2413.1	0735.5	12.2	8.3	9.7	200	23.000
25.0	7.6	2411.4	0735.0	11.6	8.3	9.7	195	20.000
30.0	9.1	2406.4	0733.4	11.2	8.3	10.1	190	11.000
40.0	12.1	2396.4	0730.4	10.6	8.3	10.2	195	11.000
50.0	15.2	2386.4	0727.3	10.2	8.2	10.3	190	6.800
60.0	18.2	2376.4	0724.3	10.0	8.2	10.1	180	4.100
70.0	21.3	2366.4	0721.3	10.0	8.2	9.9	180	2.300
80.0	24.3	2356.4	0718.2	10.0	8.2	10.2	180	2.100
90.0	27.4	2346.4	0715.2	10.0	8.2	10.0	180	1.900
105.0	32.0	2331.4	0710.6	9.8	8.2	10.0	175	1.100
120.0	36.5	2316.4	0706.0	9.7	8.2	10.0	175	0.620
135.0	41.1	2301.4	0701.4	9.6	8.1	10.0	175	0.920
150.0	45.7	2286.4	0696.9	9.5	8.0	10.0	175	1.200
165.0	50.2	2271.4	0692.3	9.4	7.9	9.9	175	0.460
180.0	54.8	2256.4	0687.7	9.0	7.9	10.1	180	0.160
195.0	59.4	2241.4	0683.2	9.0	7.8	9.9	180	0.390
210.0	64.0	2226.4	0678.6	8.7	7.8	9.8	180	0.390
225.0	68.5	2211.4	0674.0	8.2	7.8	9.5	190	0.620
240.0	73.1	2196.4	0669.4	8.0	7.7	9.3	190	3.800
255.0	77.7	2181.4	0664.9	7.5	7.7	8.7	195	11.000
270.0	82.2	2166.4	0660.3	6.8	7.5	7.2	210	1.200
282.0	85.9	2154.4	0656.6	6.4	7.5	6.3	220	4.100
292.0	89.0	2144.4	0653.6	6.3	7.5	6.2	220	4.500

TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 12 JUL 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHGS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2448.6	0746.3	14.0	8.2	9.0	175	
0.3	0.0	2448.3	0746.2	14.0	8.2	9.0	175	
1.0	0.3	2447.6	0746.0	14.0	8.2	9.0	175	0.280
2.0	0.6	2446.6	0745.7	14.0	8.2	9.0	175	0.280
3.9	1.1	2444.7	0745.1	14.0	8.2	9.0	175	0.190
5.0	1.5	2443.6	0744.8	14.0	8.2	9.0	170	0.160
10.0	3.0	2438.6	0743.2	13.7	8.2	8.9	170	0.020
15.0	4.5	2433.6	0741.7	13.3	8.2	8.9	170	0.004
20.0	6.0	2428.6	0740.2	13.1	8.2	8.9	165	0.001
25.0	7.6	2423.6	0738.7	13.0	8.2	9.0	165	0.000
30.0	9.1	2418.6	0737.1	13.0	8.2	9.0	165	0.001
40.0	12.1	2408.6	0734.1	12.2	8.2	8.8	160	0.007
50.0	15.2	2398.6	0731.0	11.5	8.2	9.1	155	0.010
60.0	18.2	2388.6	0728.0	11.3	8.2	9.2	155	0.000
70.0	21.3	2378.6	0724.9	11.1	8.2	9.4	160	0.000
80.0	24.3	2368.6	0721.9	11.0	8.1	9.5	160	0.000
90.0	27.4	2358.6	0718.9	10.8	8.1	9.5	160	0.000
100.0	30.4	2348.6	0715.8	10.5	8.0	9.7	160	0.000
110.0	33.5	2338.6	0712.8	10.3	7.9	9.7	160	0.000
120.0	36.5	2328.6	0709.7	10.3	7.8	9.9	160	0.000
130.0	39.6	2318.6	0706.7	10.1	7.8	9.9	160	0.000
140.0	42.6	2308.6	0703.6	10.1	7.8	10.0	160	0.000
150.0	45.7	2298.6	0700.6	10.0	7.8	9.9	160	0.000
165.0	50.2	2283.6	0696.0	10.0	7.8	9.9	160	0.000
180.0	54.8	2268.6	0691.4	9.9	7.8	9.9	160	0.000
195.0	59.4	2253.6	0686.8	9.7	7.8	9.9	170	0.001
210.0	64.0	2238.6	0682.3	9.5	7.8	9.9	170	0.050
225.0	68.5	2223.6	0677.7	9.1	7.8	9.6	170	0.020
240.0	73.1	2208.6	0673.1	9.0	7.8	9.2	180	0.001
255.0	77.7	2193.6	0668.6	8.5	7.7	8.7	180	0.004
270.0	82.2	2178.6	0664.0	8.0	7.7	8.3	190	3.100
285.0	86.8	2163.6	0659.4	7.9	7.8	7.9	190	6.300
300.0	91.4	2148.6	0654.8	7.9	7.8	7.7	195	4.100

WATER QUALITY SAMPLING DATE: 26 JUL 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHGS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2459.0	0749.5	16.2	8.2	8.8	170	
1.0	0.3	2458.0	0749.2	16.0	8.2	8.8	170	
2.5	0.7	2456.5	0748.7	15.6	8.1	8.8	165	12.000
5.8	1.7	2453.2	0747.7	13.4	8.1	8.6	165	4.500
10.0	3.0	2449.0	0746.4	13.0	8.1	8.6	165	2.300
13.0	3.9	2446.0	0745.5	12.8	8.1	8.6	165	0.810
15.0	4.5	2444.0	0744.9	12.8	8.1	8.7	165	0.620
20.0	6.0	2439.0	0743.4	12.4	8.2	9.0	155	0.330
25.0	7.6	2434.0	0741.8	12.2	8.2	9.0	155	0.030
30.0	9.1	2429.0	0740.3	12.0	8.2	9.1	155	0.010
35.0	10.6	2424.0	0738.8	12.0	8.2	9.2	155	0.007
40.0	12.1	2419.0	0737.3	11.8	8.2	9.2	155	0.004
45.0	13.7	2414.0	0735.7	11.8	8.2	9.3	155	0.002
50.0	15.2	2409.0	0734.2	11.6	8.2	9.4	155	0.000
60.0	18.2	2399.0	0731.2	11.6	8.2	9.4	155	0.000
70.0	21.3	2389.0	0728.1	11.4	8.2	9.3	155	0.000
80.0	24.3	2379.0	0725.1	11.2	8.1	9.3	160	0.000
90.0	27.4	2369.0	0722.0	11.0	8.1	9.5	160	0.000
100.0	30.4	2359.0	0719.0	10.8	8.1	9.6	160	0.000
110.0	33.5	2349.0	0715.9	10.8	8.1	9.6	160	0.000
120.0	36.5	2339.0	0712.9	10.6	8.0	9.7	160	0.000
130.0	39.6	2329.0	0709.8	10.4	8.0	9.8	160	0.000
140.0	42.6	2319.0	0706.8	10.2	8.0	9.8	160	0.000
150.0	45.7	2309.0	0703.7	10.0	7.9	9.8	160	0.000
165.0	50.2	2294.0	0699.2	10.0	7.9	9.8	160	0.000
180.0	54.8	2279.0	0694.6	9.8	7.8	9.9	160	0.000
195.0	59.4	2264.0	0690.0	9.6	7.8	9.9	165	0.000
210.0	64.0	2249.0	0685.5	9.4	7.8	9.9	165	0.000
225.0	68.5	2234.0	0680.9	9.2	7.8	9.8	165	0.000
240.0	73.1	2219.0	0676.3	8.8	7.8	9.6	165	0.050
255.0	77.7	2204.0	0671.7	8.4	7.8	9.0	180	0.530
270.0	82.2	2189.0	0667.2	8.2	7.7	8.3	180	1.200
285.0	86.8	2174.0	0662.6	7.8	7.6	7.5	180	1.700
300.0	91.4	2159.0	0658.0	7.8	7.6	7.6	195	1.500

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 09 AUG 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.6	0749.3	17.6	8.4	8.5	175	
1.0	0.3	2457.6	0749.0	17.6	8.4	8.5	175	41.000
2.0	0.6	2456.6	0748.7	17.6	8.4	8.5	175	41.000
5.0	1.5	2453.6	0747.8	17.6	8.4	8.5	175	41.000
10.0	3.0	2448.6	0746.3	17.6	8.4	8.5	170	41.000
15.0	4.5	2443.6	0744.8	17.4	8.3	8.4	170	41.000
20.0	6.0	2438.6	0743.2	17.0	8.2	8.2	170	39.000
25.0	7.6	2433.6	0741.7	16.2	8.1	7.8	170	39.000
30.0	9.1	2428.6	0740.2	15.2	8.0	7.6	165	27.000
40.0	12.1	2418.6	0737.1	12.8	8.0	8.0	165	20.000
50.0	15.2	2408.6	0734.1	12.2	8.1	8.4	165	4.500
60.0	18.2	2398.6	0731.1	12.0	8.1	8.7	165	0.810
70.0	21.3	2388.6	0728.0	11.8	8.1	8.8	165	0.160
80.0	24.3	2378.6	0725.0	11.4	8.1	8.9	160	0.100
90.0	27.4	2368.6	0721.9	11.2	8.1	8.9	160	0.020
100.0	30.4	2358.6	0718.9	11.0	8.0	9.1	160	0.002
110.0	33.5	2348.6	0715.8	10.8	7.9	9.1	155	0.000
120.0	36.5	2338.6	0712.8	10.6	7.8	9.2	155	0.000
130.0	39.6	2328.6	0709.7	10.4	7.8	9.3	155	0.000
140.0	42.6	2318.6	0706.7	10.2	7.8	9.3	155	0.000
150.0	45.7	2308.6	0703.6	10.0	7.8	9.4	160	0.000
165.0	50.2	2293.6	0699.0	10.0	7.8	9.5	160	0.000
180.0	54.8	2278.6	0694.5	9.6	7.8	9.5	165	0.000
195.0	59.4	2263.6	0689.9	9.4	7.8	9.6	165	0.000
210.0	64.0	2248.6	0685.3	9.2	7.8	9.5	165	0.002
225.0	68.5	2233.6	0680.8	9.0	7.8	9.5	165	0.010
240.0	73.1	2218.6	0676.2	8.8	7.8	9.2	165	0.080
255.0	77.7	2203.6	0671.6	8.0	7.8	9.0	170	0.230
270.0	82.2	2188.6	0667.0	8.2	7.8	8.4	180	0.810
285.0	86.8	2173.6	0662.5	8.0	7.8	7.5	190	1.500
300.0	91.4	2158.6	0657.9	7.8	7.8	6.2	190	1.900

WATER QUALITY SAMPLING DATE: 23 AUG 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.9	0749.4	18.0	8.4	8.5	150	
1.0	0.3	2457.9	0749.1	18.0	8.4	8.5	150	41.000
2.5	0.7	2456.4	0748.7	18.0	8.4	8.5	150	41.000
5.0	1.5	2453.9	0747.9	18.0	8.4	8.5	150	41.000
10.0	3.0	2448.9	0746.4	18.0	8.4	8.6	150	41.000
15.0	4.5	2443.9	0744.9	17.6	8.4	8.6	150	41.000
20.0	6.0	2438.9	0743.4	17.0	8.3	8.6	150	41.000
25.0	7.6	2433.9	0741.8	16.7	8.3	8.4	150	41.000
31.1	9.4	2427.8	0740.0	16.2	8.2	8.7	150	37.000
35.0	10.6	2423.0	0738.8	15.9	8.2	8.3	145	33.000
40.0	12.1	2418.0	0737.3	15.6	8.1	8.2	145	32.000
45.0	13.7	2413.9	0735.7	15.0	8.1	8.0	150	28.000
50.0	15.2	2408.9	0734.2	14.6	8.0	8.0	150	24.000
55.0	16.7	2403.9	0732.7	13.3	7.9	7.9	145	16.000
60.0	18.2	2398.9	0731.2	12.6	8.0	8.4	140	11.000
70.0	21.3	2388.9	0728.1	12.3	8.1	8.7	140	3.800
80.0	24.3	2378.9	0725.1	11.7	8.1	8.8	140	1.500
90.0	27.4	2368.9	0722.0	11.4	8.1	9.1	140	0.230
100.0	30.4	2358.9	0719.0	11.3	8.2	9.3	140	0.080
110.0	33.5	2348.9	0715.9	11.1	8.2	9.3	140	0.010
120.0	36.5	2338.9	0712.9	11.0	8.2	9.2	140	0.002
130.0	39.6	2328.9	0709.8	10.9	8.1	9.2	140	0.000
140.0	42.6	2318.9	0706.8	10.8	8.1	9.2	140	0.000
150.0	45.7	2308.9	0703.7	10.6	8.1	9.2	140	0.000
165.0	50.2	2293.9	0699.2	10.3	8.1	9.2	140	0.000
180.0	54.8	2278.9	0694.6	10.1	8.1	9.5	140	0.000
195.0	59.4	2263.9	0690.0	10.0	8.1	9.5	140	0.000
210.0	64.0	2248.9	0685.4	9.8	8.1	9.5	140	0.001
225.0	68.5	2233.9	0680.9	9.3	8.0	9.3	150	0.010
240.0	73.1	2218.9	0676.3	9.0	7.9	9.0	150	0.130
255.0	77.7	2203.9	0671.7	8.8	7.9	8.6	155	0.460
270.0	82.2	2188.9	0667.2	8.3	7.8	7.8	160	2.300
285.0	86.8	2173.9	0662.6	8.1	7.8	6.8	165	4.500
300.0	91.4	2158.9	0658.0	8.0	7.7	5.9	175	5.300

TABLE 13. STATION NO. 12301919, LAKE KODCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 06 SEP 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2457.6	0749.1	18.2	8.4	8.4	165	
1.0	0.3	2456.6	0748.7	18.2	8.4	8.4	165	60.000
2.0	0.6	2455.6	0748.4	18.2	8.4	8.4	165	60.000
5.0	1.5	2452.6	0747.5	18.0	8.4	8.4	165	60.000
10.0	3.0	2447.6	0746.0	18.0	8.4	8.5	165	60.000
15.0	4.5	2442.6	0744.5	18.0	8.4	8.5	165	60.000
20.0	6.0	2437.6	0743.0	18.0	8.4	8.3	165	55.000
25.0	7.6	2432.6	0741.4	17.4	8.3	8.2	165	55.000
30.0	9.1	2427.6	0739.9	17.2	8.3	8.5	165	55.000
35.0	10.6	2422.6	0738.4	16.2	8.2	8.1	165	55.000
40.0	12.1	2417.6	0736.9	15.0	8.1	8.0	165	50.000
50.0	15.2	2407.6	0733.8	14.2	8.1	8.4	165	35.000
60.0	18.2	2397.6	0730.8	12.4	8.1	8.1	155	23.000
70.0	21.3	2387.6	0727.7	12.0	8.2	8.6	155	9.200
80.0	24.3	2377.6	0724.7	11.6	8.2	8.7	150	4.900
90.0	27.4	2367.6	0721.6	11.2	8.2	8.9	150	3.400
100.0	30.4	2357.6	0718.6	11.0	8.2	9.0	145	0.330
110.0	33.5	2347.6	0715.5	11.0	8.2	9.0	145	0.010
120.0	36.5	2337.6	0712.5	10.8	8.2	9.0	145	0.004
135.0	41.1	2322.6	0707.9	10.4	8.2	9.1	155	0.001
150.0	45.7	2307.6	0703.3	10.4	8.2	9.2	155	0.001
165.0	50.2	2292.6	0698.8	10.0	8.2	9.2	155	0.001
180.0	54.8	2277.6	0694.2	10.0	8.2	9.4	155	0.001
195.0	59.4	2262.6	0689.6	9.8	8.2	9.2	155	0.002
210.0	64.0	2247.6	0685.0	9.5	8.2	9.3	155	0.007
225.0	68.5	2232.6	0680.5	9.2	8.2	9.1	155	0.020
240.0	73.1	2217.6	0675.9	9.0	8.1	8.7	165	0.280
255.0	77.7	2202.6	0671.3	8.5	8.0	7.9	170	1.300
270.0	82.2	2187.6	0666.8	8.2	8.0	7.2	180	3.800
285.0	86.8	2172.6	0662.2	8.0	7.9	6.3	180	5.800
300.0	91.4	2157.6	0657.6	8.0	7.9	5.3	190	5.800

WATER QUALITY SAMPLING DATE: 20 SEP 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2457.0	0749.1	16.6	8.3	8.5	175	
1.2	0.3	2456.7	0748.8	16.6	8.3	8.5	175	43.000
2.0	0.6	2455.9	0748.5	16.6	8.3	8.5	175	43.000
5.0	1.5	2452.9	0747.6	16.6	8.3	8.5	175	43.000
10.0	3.0	2447.9	0746.1	16.4	8.3	8.5	175	43.000
15.0	4.5	2442.9	0744.6	16.4	8.3	8.5	175	43.000
20.0	6.0	2437.9	0743.0	16.2	8.3	8.5	175	43.000
25.0	7.6	2432.9	0741.5	16.2	8.3	8.5	175	45.000
30.0	9.1	2427.9	0740.0	16.2	8.3	8.4	175	45.000
34.6	10.5	2423.3	0738.6	16.2	8.3	8.4	175	45.000
40.0	12.1	2417.9	0736.9	16.0	8.3	8.4	175	45.000
45.0	13.7	2412.9	0735.4	16.0	8.2	8.5	175	45.000
50.0	15.2	2407.9	0733.9	15.8	8.0	8.0	170	45.000
55.0	16.7	2402.9	0732.4	14.8	7.9	7.5	170	43.000
60.0	18.2	2397.9	0730.8	14.6	7.9	7.3	170	43.000
65.0	19.8	2392.9	0729.3	13.6	7.8	7.6	165	41.000
70.0	21.3	2387.9	0727.7	13.2	7.8	7.8	165	37.000
75.0	22.8	2382.9	0726.3	12.8	7.9	8.0	165	27.000
80.0	24.3	2377.9	0724.7	12.0	8.0	8.2	160	20.000
90.0	27.4	2367.9	0721.7	11.6	8.0	8.5	155	9.200
100.0	30.4	2357.9	0718.7	11.2	8.0	8.6	150	4.500
110.0	33.5	2347.9	0715.6	11.0	8.0	8.7	150	0.920
120.0	36.5	2337.9	0712.6	10.8	8.0	8.8	150	0.160
130.0	39.6	2327.9	0709.5	10.8	8.0	8.9	150	0.020
140.0	42.6	2317.9	0706.5	10.0	8.0	8.9	155	0.010
155.0	47.2	2302.9	0701.9	10.2	8.0	9.0	160	0.007
170.0	51.8	2287.9	0697.3	10.0	8.0	9.1	160	0.007
185.0	56.3	2272.9	0692.7	9.8	8.0	9.1	160	0.007
200.0	60.9	2257.9	0688.2	9.6	8.0	9.1	165	0.010
215.0	65.5	2242.9	0683.6	9.2	8.0	9.0	165	0.010
230.0	70.1	2227.9	0679.0	9.0	7.9	8.8	170	0.050
245.0	74.6	2212.9	0674.5	8.6	7.8	8.1	180	0.330
260.0	79.2	2197.9	0669.9	8.4	7.8	7.5	180	0.920
275.0	83.8	2182.9	0665.3	8.0	7.7	6.5	190	3.800
290.0	88.3	2167.9	0660.7	7.8	7.7	5.1	195	5.300
300.0	91.4	2157.9	0657.7	7.8	7.8	4.3	195	5.300

TABLE 13. STATION NO. 12301919, LAKE KOCCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 04 OCT 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.0	0.3	2450.1	0746.8	14.0	8.1	8.8	175	45.000
2.0	0.6	2449.1	0746.4	14.0	8.1	9.3	175	45.000
5.0	1.5	2446.1	0745.5	14.0	8.1	8.7	175	43.000
10.0	3.0	2441.1	0744.0	14.0	8.1	8.8	175	45.000
15.0	4.5	2436.1	0742.5	14.0	8.1	8.8	175	45.000
20.0	6.0	2431.1	0741.0	14.0	8.1	9.2	175	45.000
25.0	7.6	2426.1	0739.4	14.0	8.1	9.2	175	45.000
30.0	9.1	2421.1	0737.9	14.0	8.1	8.7	170	43.000
40.0	12.1	2411.1	0734.9	12.6	7.8	8.3	165	37.000
50.0	15.2	2401.1	0731.8	12.0	7.9	8.6	160	23.000
60.0	18.2	2391.1	0728.8	11.9	7.9	8.8	160	17.000
70.0	21.3	2381.1	0725.7	11.7	8.0	8.8	165	12.000
80.0	24.3	2371.1	0722.7	11.3	8.0	9.2	160	6.800
90.0	27.4	2361.1	0719.6	11.2	8.0	8.9	160	4.100
100.0	30.4	2351.1	0716.6	11.0	8.0	8.9	160	2.300
110.0	33.5	2341.1	0713.5	11.0	8.0	9.0	160	0.460
120.0	36.5	2331.1	0710.5	10.9	8.0	9.0	160	0.100
130.0	39.6	2321.1	0707.4	10.8	8.0	9.0	160	0.040
140.0	42.6	2311.1	0704.4	10.5	8.0	9.0	160	0.020
150.0	45.7	2301.1	0701.3	10.4	8.0	9.5	160	0.010
165.0	50.2	2286.1	0696.8	10.1	8.0	9.8	160	0.010
180.0	54.8	2271.1	0692.2	10.0	8.0	9.6	160	0.010
195.0	59.4	2256.1	0687.6	9.9	8.0	9.2	160	0.020
210.0	64.0	2241.1	0683.0	9.4	0.0	9.2	165	0.040
225.0	68.5	2226.1	0678.5	9.0	7.9	9.0	170	0.070
240.0	73.1	2211.1	0673.9	8.9	7.8	8.3	180	0.230
255.0	77.7	2196.1	0669.3	8.4	7.8	7.4	180	0.710
270.0	82.2	2181.1	0664.8	8.0	7.7	6.0	190	3.400
285.0	86.8	2166.1	0660.2	8.0	7.7	4.8	195	4.900
300.0	91.4	2151.1	0655.6	7.9	7.6	3.9	195	5.300

WATER QUALITY SAMPLING DATE: 18 OCT 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2439.1	0743.4	12.0	8.1	9.4	190	
1.0	0.3	2438.1	0743.1	12.0	8.1	9.4	190	33.000
2.7	0.8	2436.4	0742.6	12.0	8.1	9.3	190	33.000
5.0	1.5	2434.1	0741.9	12.0	8.1	9.4	190	33.000
10.0	3.0	2429.1	0740.4	12.0	8.1	9.4	190	32.000
15.0	4.5	2424.1	0738.8	12.0	8.1	9.4	190	33.000
20.0	6.0	2419.1	0737.3	12.0	8.1	9.4	180	33.000
25.0	7.6	2414.1	0735.8	12.0	8.1	9.4	180	33.000
29.5	8.9	2409.6	0734.4	12.0	8.1	9.4	180	33.000
35.0	10.6	2404.1	0732.7	12.0	8.1	9.4	180	33.000
40.0	12.1	2399.1	0731.2	12.0	8.0	9.2	180	33.000
45.0	13.7	2394.1	0729.7	11.8	7.9	8.4	180	19.000
50.0	15.2	2389.1	0728.2	11.6	7.9	8.4	175	13.000
60.0	18.2	2379.1	0725.1	11.4	7.9	8.4	175	7.300
70.0	21.3	2369.1	0722.1	11.1	7.9	8.6	170	5.300
80.0	24.3	2359.1	0719.0	11.0	7.9	9.0	170	1.900
90.0	27.4	2349.1	0716.0	11.0	7.9	9.0	170	0.920
100.0	30.4	2339.1	0712.9	10.9	7.9	9.0	165	0.280
110.0	33.5	2329.1	0709.9	10.8	7.9	9.0	165	0.230
120.0	36.5	2319.1	0706.8	10.7	7.9	9.0	165	0.100
130.0	39.6	2309.1	0703.8	10.4	7.9	9.2	175	0.050
145.0	44.1	2294.1	0699.2	10.2	7.9	9.2	175	0.020
160.0	48.7	2279.1	0694.6	10.0	7.9	9.2	175	0.020
175.0	53.3	2264.1	0690.1	10.0	7.9	9.2	175	0.030
190.0	57.9	2249.1	0685.5	9.6	7.8	9.2	175	0.040
205.0	62.4	2234.1	0680.9	9.1	7.8	8.8	185	0.100
220.0	67.0	2219.1	0676.4	8.9	7.8	8.1	190	0.090
235.0	71.6	2204.1	0671.8	8.7	7.8	7.4	195	0.020
250.0	76.2	2189.1	0667.2	8.1	7.7	6.4	200	0.025
260.0	79.2	2179.1	0664.2	8.0	7.6	5.2	200	0.080
270.0	82.2	2169.1	0661.1	7.9	7.6	4.0	210	0.710
283.0	86.2	2156.1	0657.2	7.9	7.5	2.8	210	2.600
293.0	89.3	2146.1	0654.1	7.9	7.5	2.1	210	0.460

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORBAY

WATER QUALITY SAMPLING DATE: 01 NOV 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2426.6	0739.6	11.0	8.0	9.0	185	
1.0	0.3	2425.6	0739.3	11.0	8.0	9.0	185	23.000
2.0	0.6	2424.6	0739.0	11.0	8.0	9.0	185	23.000
5.0	1.5	2421.6	0738.1	11.0	8.0	9.0	185	23.000
10.0	3.0	2416.6	0736.5	11.0	8.0	9.0	185	23.000
15.0	4.5	2411.6	0735.0	11.0	8.0	8.9	185	21.000
20.0	6.0	2406.6	0733.5	11.0	8.0	8.9	185	21.000
25.0	7.6	2401.6	0732.0	11.0	8.0	8.9	185	21.000
30.0	9.1	2396.6	0730.4	11.0	8.0	8.9	185	21.000
40.0	12.1	2386.6	0727.4	11.0	8.0	8.9	185	21.000
50.0	15.2	2376.6	0724.4	11.0	8.0	8.9	185	21.000
60.0	18.2	2366.6	0721.3	11.0	8.0	8.9	185	21.000
70.0	21.3	2356.6	0718.3	11.0	8.0	8.9	185	21.000
80.0	24.3	2346.6	0715.2	11.0	8.0	8.8	185	21.000
90.0	27.4	2336.6	0712.2	11.0	8.0	8.8	185	21.000
100.0	30.4	2326.6	0709.1	11.0	8.0	9.2	185	21.000
110.0	33.5	2316.6	0706.1	11.0	8.0	9.1	180	9.200
120.0	36.5	2306.6	0703.0	10.6	7.9	8.5	165	0.390
130.0	39.6	2296.6	0700.0	10.4	7.9	8.7	165	0.280
140.0	42.6	2286.6	0696.9	10.4	7.8	8.9	165	0.100
155.0	47.2	2271.6	0692.3	10.2	7.8	8.9	170	0.050
170.0	51.8	2256.6	0687.8	10.0	7.8	8.8	175	0.050
185.0	56.3	2241.6	0683.2	9.8	7.8	8.7	175	0.070
200.0	60.9	2226.6	0678.6	9.2	7.8	8.2	185	0.160
215.0	65.5	2211.6	0674.1	8.8	7.8	7.7	190	0.390
230.0	70.1	2196.6	0669.5	8.6	7.7	6.8	195	0.040
240.0	73.1	2186.6	0666.4	8.2	7.7	5.9	200	0.080
250.0	76.2	2176.6	0663.4	8.0	7.7	4.9	210	0.050
260.0	79.2	2166.6	0660.3	8.0	7.6	3.8	210	0.100
272.0	82.9	2154.6	0656.7	7.8	7.5	2.4	215	0.810
282.0	85.9	2144.6	0653.6	7.8	7.5	1.8	215	0.530

WATER QUALITY SAMPLING DATE: 20 NOV 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2411.2	0734.9	9.9	8.1	8.7	180	
1.0	0.3	2410.2	0734.6	9.9	8.1	8.7	180	
3.0	0.9	2408.2	0734.0	9.9	8.1	8.7	180	
5.0	1.5	2406.2	0733.4	9.9	8.1	8.7	180	
10.0	3.0	2401.2	0731.9	9.9	8.1	8.7	180	
15.0	4.5	2396.2	0730.3	9.9	8.1	8.7	180	
20.0	6.0	2391.2	0728.8	9.9	8.0	8.6	180	
30.0	9.1	2381.2	0725.8	9.9	8.0	8.6	180	
40.0	12.1	2371.2	0722.7	9.9	8.0	8.6	180	
55.0	16.7	2356.2	0718.1	9.9	7.9	8.6	180	
70.0	21.3	2341.2	0713.6	9.9	7.9	8.6	180	
85.0	25.0	2326.2	0709.0	9.9	7.8	8.8	180	
100.0	30.4	2311.2	0704.4	9.9	7.8	8.5	180	
115.0	35.0	2296.2	0699.9	9.9	7.8	8.4	180	
130.0	39.6	2281.2	0695.3	9.9	7.8	8.4	180	
145.0	44.1	2266.2	0690.7	9.9	7.8	8.3	180	
160.0	48.7	2251.2	0686.1	9.9	7.8	8.3	180	
175.0	53.3	2236.2	0681.6	9.8	7.7	7.4	180	
190.0	57.9	2221.2	0677.0	9.3	7.6	6.8	185	
205.0	62.8	2206.2	0672.4	9.0	7.6	6.0	190	
215.0	65.5	2196.2	0669.4	8.9	7.6	5.5	190	
225.0	68.5	2186.2	0666.3	8.6	7.5	4.5	200	
235.0	71.6	2176.2	0663.3	8.3	7.5	3.6	200	
245.0	74.6	2166.2	0660.2	8.2	7.4	2.3	210	
257.0	78.3	2154.2	0656.6	8.0	7.4	0.1	210	
267.0	81.3	2144.2	0653.5	7.9	7.4	0.1	215	



TABLE 13. STATION NO. 12301919, LAKE KOOCANIISA AT FOREBAY

WATER QUALITY SAMPLING DATE: 1R APR 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2286.8	0697.0	2.3		11.7	260	
1.0	0.3	2285.8	0696.7	2.3		11.7	260	1.900
2.0	0.6	2284.8	0696.4	2.3	8.0	11.7	260	1.900
5.0	1.5	2281.8	0695.5	2.3	8.0	11.7	260	1.900
8.0	2.4	2278.8	0694.6	2.3	8.0	11.7	260	1.700
10.0	3.0	2276.8	0693.9	2.3	8.0	11.7	260	1.700
15.0	4.5	2271.8	0692.4	2.3	8.0	11.7	260	1.700
20.0	6.0	2266.8	0690.9	2.3	8.0	11.5	260	1.700
30.0	9.1	2256.8	0687.9	2.3	8.0	11.5	260	1.700
40.0	12.1	2246.8	0684.8	2.3	8.0	11.5	260	2.600
50.0	15.2	2236.8	0681.8	2.3	8.0	11.4	260	1.900
60.0	18.2	2226.8	0678.7	2.3	8.0	11.3	260	1.900
70.0	21.3	2216.8	0675.7	2.3	8.0	11.2	260	1.900
80.0	24.3	2206.8	0672.6	2.3	8.0	11.2	260	1.900
90.0	27.4	2196.8	0669.6	2.3	8.0	11.2	260	1.900
100.0	30.4	2186.8	0666.5	2.3	8.0	11.1	260	1.500
110.0	33.5	2176.8	0663.5	2.2	8.0	11.0	260	1.500
120.0	36.5	2166.8	0660.4	2.2	8.0	10.6	260	1.300
130.0	39.6	2156.8	0657.4	2.2	7.9	10.3	260	1.700
141.0	42.9	2145.8	0654.0	2.2	7.9	9.6	270	1.200
151.0	46.0	2135.8	0651.0	2.2	7.9	6.9	270	0.920

WATER QUALITY SAMPLING DATE: 06 MAY 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2287.5	0697.2	4.0	8.3	12.4	320	
1.0	0.3	2286.5	0696.9	4.0	8.3	12.4	320	4.500
2.0	0.6	2285.5	0696.6	4.0	8.3	12.4	320	4.100
5.0	1.5	2282.5	0695.7	4.0	8.3	12.4	320	4.100
10.0	3.0	2277.5	0694.1	4.0	8.3	12.4	320	4.100
13.0	3.9	2274.5	0693.2	3.8	8.3	12.4	320	4.500
15.0	4.5	2272.5	0692.6	3.8	8.3	12.4	320	4.500
20.0	6.0	2267.5	0691.1	3.8	8.3	12.2	325	4.500
30.0	9.1	2257.5	0688.0	3.8	8.3	12.0	325	4.900
40.0	12.1	2247.5	0685.0	3.8	8.3	12.0	325	4.500
50.0	15.2	2237.5	0681.9	3.8	8.3	12.0	325	4.500
60.0	18.2	2227.5	0678.9	3.8	8.3	12.0	325	5.800
70.0	21.3	2217.5	0675.9	3.6	8.2	11.6	345	5.800
80.0	24.3	2207.5	0672.8	3.6	8.2	11.6	345	6.300
90.0	27.4	2197.5	0669.8	3.6	8.2	11.6	345	6.300
100.0	30.4	2187.5	0666.7	3.6	8.2	11.6	345	6.800
110.0	33.5	2177.5	0663.7	3.6	8.2	11.6	345	7.300
120.0	36.5	2167.5	0660.6	3.6	8.2	11.4	345	8.500
130.0	39.6	2157.5	0657.6	3.6	8.2	11.4	350	9.800
142.0	43.2	2145.5	0653.9	3.4	8.2	11.4	350	9.800
152.0	46.3	2135.5	0650.9	3.4	8.2	11.2	350	9.800

WATER QUALITY SAMPLING DATE: 20 MAY 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2312.5	0704.8	9.0	8.4	10.7	300	
1.0	0.3	2311.5	0704.5	9.0	8.4	10.7	300	0.390
2.0	0.6	2310.5	0704.2	9.0	8.4	10.7	300	0.390
5.0	1.5	2307.5	0703.3	8.9	8.4	10.7	300	0.330
10.0	3.0	2302.5	0701.8	8.6	8.4	10.8	305	0.280
15.0	4.5	2297.5	0700.2	8.5	8.4	10.8	305	0.160
20.0	6.0	2292.5	0698.7	8.5	8.4	10.8	305	0.280
25.0	7.6	2287.5	0697.2	8.5	8.4	10.8	305	0.280
30.0	9.1	2282.5	0695.7	8.3	8.4	10.8	305	0.330
40.0	12.1	2272.5	0692.6	8.1	8.4	10.8	305	0.330
50.0	15.2	2262.5	0689.6	8.0	8.4	10.6	305	0.620
60.0	18.2	2252.5	0686.5	7.7	8.4	11.0	305	0.390
70.0	21.3	2242.5	0683.5	7.2	8.4	11.5	305	1.500
80.0	24.3	2232.5	0680.4	6.7	8.4	11.6	300	4.100
90.0	27.4	2222.5	0677.4	5.3	8.4	12.1	300	5.800
100.0	30.4	2212.5	0674.3	4.8	8.3	11.8	290	5.800
110.0	33.5	2202.5	0671.3	4.7	8.3	11.8	295	5.800
120.0	36.5	2192.5	0668.2	4.4	8.2	11.7	300	5.800
130.0	39.6	2182.5	0665.2	4.1	8.2	11.1	310	7.900
140.0	42.6	2172.5	0662.1	4.1	8.2	11.0	310	9.800
155.0	47.2	2157.5	0657.6	4.0	8.1	10.7	320	11.000
166.0	50.5	2146.5	0654.2	3.9	8.1	10.5	320	13.000
176.0	53.6	2136.5	0651.2	3.9	8.1	10.4	320	13.000

TABLE 13. STATION NO. 1230191 LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 04 JUN 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2343.6	0714.3	9.8	8.3	10.5	290	
1.0	0.3	2342.6	0714.0	9.8	8.3	10.5	290	5.300
2.0	0.6	2341.6	0713.7	9.8	8.3	10.5	290	4.900
5.0	1.5	2338.6	0712.8	9.6	8.3	10.4	285	4.900
10.0	3.0	2333.6	0711.2	9.4	8.3	10.4	285	4.100
15.0	4.5	2328.6	0709.7	9.2	8.3	10.3	285	2.600
20.0	6.0	2323.6	0708.2	9.0	8.3	10.5	285	2.600
30.0	9.1	2313.6	0705.1	9.0	8.3	10.5	285	3.800
40.0	12.1	2303.6	0702.1	9.0	8.3	10.4	285	4.500
50.0	15.2	2293.6	0699.0	9.0	8.3	10.4	285	3.400
60.0	18.2	2283.6	0696.0	8.8	8.3	10.6	285	4.100
70.0	21.3	2273.6	0692.9	8.8	8.3	10.5	285	4.100
80.0	24.3	2263.6	0689.9	8.6	8.3	10.5	290	4.500
90.0	27.4	2253.6	0686.8	8.4	8.3	10.6	290	6.300
100.0	30.4	2243.6	0683.8	8.0	8.2	10.5	270	0.030
110.0	33.5	2233.6	0680.8	7.2	8.2	11.0	290	1.700
120.0	36.5	2223.6	0677.7	6.0	8.2	11.2	295	1.300
135.0	41.1	2208.6	0673.1	5.0	8.1	11.1	300	3.400
150.0	45.7	2193.6	0668.6	4.8	8.1	11.0	305	5.800
165.0	50.2	2178.6	0664.0	4.6	8.1	11.2	310	6.300
180.0	54.8	2163.6	0659.4	4.4	8.0	10.8	310	7.300
195.0	59.4	2148.6	0654.8	4.2	8.0	10.4	310	7.900
205.0	62.4	2138.6	0651.8	4.2	8.0	10.3	310	7.900

WATER QUALITY SAMPLING DATE: 25 JUN 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2401.0	0731.8	13.2	8.3	10.2	225	
1.0	0.3	2400.0	0731.5	13.2	8.3	10.2	225	11.000
2.0	0.6	2399.0	0731.2	13.2	8.3	10.2	225	11.000
5.0	1.5	2396.0	0730.3	13.1	8.3	10.2	225	11.000
10.0	3.0	2391.0	0728.7	12.8	8.3	10.3	225	9.800
15.0	4.5	2386.0	0727.2	12.0	8.3	10.1	225	7.300
20.0	6.0	2381.0	0725.7	11.7	8.2	10.1	225	8.500
30.0	9.1	2371.0	0722.7	11.0	8.2	10.1	220	5.800
40.0	12.1	2361.0	0719.6	10.7	8.1	9.6	215	1.500
50.0	15.2	2351.0	0716.6	10.6	8.1	9.6	215	1.200
60.0	18.2	2341.0	0713.5	10.4	8.1	9.7	215	0.620
70.0	21.3	2331.0	0710.5	10.2	8.1	9.7	215	0.530
80.0	24.3	2321.0	0707.4	10.0	8.1	9.6	215	0.280
90.0	27.4	2311.0	0704.4	10.0	8.1	9.6	210	0.190
100.0	30.4	2301.0	0701.3	9.9	8.0	9.6	210	0.070
110.0	33.5	2291.0	0698.3	9.6	8.0	9.4	230	0.330
120.0	36.5	2281.0	0695.2	9.1	8.0	9.5	240	0.330
130.0	39.6	2271.0	0692.2	8.8	8.0	9.4	240	0.570
140.0	42.6	2261.0	0689.1	8.6	8.0	9.5	240	0.570
150.0	45.7	2251.0	0686.1	8.2	8.0	9.6	245	0.230
160.0	48.7	2241.0	0683.0	8.0	8.0	9.6	245	0.100
170.0	51.8	2231.0	0680.0	7.8	8.0	9.6	250	0.070
185.0	56.3	2216.0	0675.4	6.1	7.9	9.6	285	0.460
200.0	60.9	2201.0	0670.8	5.3	7.9	9.6	295	3.100
215.0	65.5	2186.0	0666.3	5.1	7.8	9.2	300	7.300
230.0	70.1	2171.0	0661.7	5.0	7.8	9.2	300	11.000
245.0	74.6	2156.0	0657.1	5.0	7.8	9.0	300	13.000
255.0	77.7	2146.0	0654.1	5.0	7.8	9.0	300	13.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREHAY

WATER QUALITY SAMPLING DATE: 18 JUL 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2434.7	0742.1	14.8	8.1	9.4	225	
1.0	0.3	2433.7	0741.8	14.8	8.1	9.4	225	41.000
2.0	0.6	2432.7	0741.5	14.5	8.1	9.4	225	41.000
5.0	1.5	2429.7	0740.5	14.2	8.1	9.4	225	41.000
10.0	3.0	2424.7	0739.0	13.6	8.1	9.4	225	41.000
15.0	4.5	2419.7	0737.5	13.0	8.1	9.4	225	45.000
20.0	6.0	2414.7	0736.0	12.9	8.1	9.4	225	50.000
25.0	7.6	2409.7	0734.4	12.5	8.1	9.4	225	45.000
30.0	9.1	2404.7	0732.9	12.1	8.1	9.6	220	45.000
40.0	12.1	2394.7	0729.9	11.2	8.1	9.8	220	45.000
50.0	15.2	2384.7	0726.8	11.0	8.1	9.8	220	33.000
60.0	18.2	2374.7	0723.8	10.9	8.1	9.8	220	33.000
70.0	21.3	2364.7	0720.7	10.8	8.1	9.8	220	24.000
80.0	24.3	2354.7	0717.7	10.5	8.1	9.8	220	21.000
90.0	27.4	2344.7	0714.6	10.2	8.1	9.8	220	17.000
100.0	30.4	2334.7	0711.6	10.0	8.1	9.8	220	11.000
110.0	33.5	2324.7	0708.5	10.0	8.1	9.8	230	5.300
120.0	36.5	2314.7	0705.5	9.8	8.1	10.0	230	3.800
135.0	41.1	2299.7	0700.9	9.5	8.1	10.0	235	2.600
150.0	45.7	2284.7	0696.3	9.2	8.1	10.0	240	2.600
165.0	50.2	2269.7	0691.8	9.0	8.1	10.0	245	2.100
180.0	54.8	2254.7	0687.2	8.9	8.2	10.0	245	1.500
195.0	59.4	2239.7	0682.6	8.5	8.2	9.9	250	1.500
210.0	64.0	2224.7	0678.1	7.7	8.2	9.7	280	1.500
225.0	68.5	2209.7	0673.5	6.2	8.1	9.4	315	7.300
240.0	73.1	2194.7	0668.9	6.1	8.1	9.3	315	17.000
255.0	77.7	2179.7	0664.3	6.0	8.1	9.1	315	21.000
270.0	82.2	2164.7	0659.8	5.8	8.1	9.0	315	25.000
283.0	86.2	2151.7	0655.8	5.8	8.2	9.1	315	25.000
293.0	89.3	2141.7	0652.8	5.8	8.2	9.1	315	25.000

WATER QUALITY SAMPLING DATE: 29 JUL 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2441.0	0744.0	17.4	8.5	9.8	205	
1.0	0.3	2440.0	0743.7	17.4	8.5	9.8	205	43.000
2.0	0.6	2439.0	0743.4	17.0	8.5	9.9	205	43.000
5.0	1.5	2436.0	0742.5	16.4	8.4	9.9	205	45.000
10.0	3.0	2431.0	0740.9	16.2	8.4	9.8	205	41.000
15.0	4.5	2426.0	0739.4	15.6	8.3	9.3	205	41.000
20.0	6.0	2421.0	0737.9	14.8	8.2	9.2	205	41.000
25.0	7.6	2416.0	0736.4	14.4	8.1	9.3	205	40.000
30.0	9.1	2411.0	0734.8	13.8	8.1	8.8	205	40.000
40.0	12.1	2401.0	0731.8	13.0	8.1	8.9	205	40.000
50.0	15.2	2391.0	0728.7	12.4	8.2	9.2	205	40.000
60.0	18.2	2381.0	0725.7	11.8	8.2	9.4	210	
70.0	21.3	2371.0	0722.7	11.0	8.2	9.5	210	
80.0	24.3	2361.0	0719.6	10.8	8.2	9.5	210	
90.0	27.4	2351.0	0716.6	10.4	8.2	9.6	215	
105.0	32.0	2336.0	0712.0	10.0	8.2	9.7	215	
120.0	36.5	2321.0	0707.4	9.8	8.2	9.7	215	
135.0	41.1	2306.0	0702.8	9.4	8.1	9.7	215	
150.0	45.7	2291.0	0698.3	9.2	8.1	9.7	225	
165.0	50.2	2276.0	0693.7	9.0	8.1	9.6	235	
180.0	54.8	2261.0	0689.1	8.4	8.0	9.6	240	
195.0	59.4	2246.0	0684.6	8.0	8.0	9.6	245	
210.0	64.0	2231.0	0680.0	7.8	8.0	9.6	255	
225.0	68.5	2216.0	0675.4	7.0	7.9	9.2	275	
240.0	73.1	2201.0	0670.8	6.0	7.8	8.8	295	
255.0	77.7	2186.0	0666.3	5.6	7.8	8.3	305	
270.0	82.2	2171.0	0661.7	5.4	7.7	7.9	305	
288.0	87.7	2153.0	0656.2	5.4	7.7	7.8	305	
298.0	90.8	2143.0	0653.2	5.4	7.6	7.6	305	

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 12 AUG 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2447.3	0745.9	18.0	8.3	8.8	205	
1.0	0.3	2446.3	0745.6	17.9	8.3	8.8	205	
2.0	0.6	2445.3	0745.3	17.9	8.3	8.8	205	
5.0	1.5	2442.3	0744.4	17.8	8.3	8.9	205	
10.0	3.0	2437.3	0742.8	17.6	8.3	8.9	205	
15.0	4.5	2432.3	0741.3	16.5	8.3	8.9	205	
20.0	6.0	2427.3	0739.8	16.1	8.2	8.6	205	
25.0	7.6	2422.3	0738.3	15.9	8.2	8.5	205	
30.0	9.1	2417.3	0736.7	15.8	8.1	8.3	205	
35.0	10.6	2412.3	0735.2	15.0	8.1	8.1	205	
40.0	12.1	2407.3	0733.7	14.4	8.1	8.2	200	
50.0	15.2	2397.3	0730.6	13.5	8.1	8.5	200	
60.0	18.2	2387.3	0727.6	13.0	8.1	8.8	205	
70.0	21.3	2377.3	0724.6	11.9	8.0	9.2	210	
85.0	25.9	2362.3	0720.0	11.1	8.0	9.3	210	
100.0	30.4	2347.3	0715.4	10.8	8.0	9.4	210	
115.0	35.0	2332.3	0710.8	10.4	8.0	9.4	210	
130.0	39.6	2317.3	0706.3	10.1	8.0	9.5	215	
145.0	44.1	2302.3	0701.7	10.0	8.0	9.5	215	
160.0	48.7	2287.3	0697.1	9.9	8.0	9.6	220	
175.0	53.3	2272.3	0692.5	9.6	8.0	9.5	230	
190.0	57.9	2257.3	0688.0	9.1	8.0	9.5	235	
205.0	62.4	2242.3	0683.4	7.6	8.0	9.5	245	
220.0	67.0	2227.3	0678.8	7.2	7.9	9.5	255	
235.0	71.6	2212.3	0674.3	6.5	7.9	9.1	270	
250.0	76.2	2197.3	0669.7	5.5	7.9	8.2	295	
265.0	80.7	2182.3	0665.1	5.1	7.8	7.6	305	
280.0	85.3	2167.3	0660.5	5.0	7.8	7.5	305	
292.0	89.0	2155.3	0656.9	5.0	7.8	7.4	305	
302.0	92.0	2145.3	0653.8	5.0	7.8	7.3	305	

WATER QUALITY SAMPLING DATE: 29 AUG 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2452.2	0747.4	17.8	8.0	8.7	215	
1.0	0.3	2451.2	0747.1	17.8	8.0	8.7	215	45.000
2.0	0.6	2450.2	0746.8	17.8	8.0	8.7	215	45.000
5.0	1.5	2447.2	0745.9	17.8	8.0	8.7	215	48.000
10.0	3.0	2442.2	0744.3	17.8	8.0	8.7	215	48.000
20.0	6.0	2432.2	0741.3	17.8	8.0	8.6	215	48.000
30.0	9.1	2422.2	0738.2	17.8	8.0	8.6	210	48.000
40.0	12.1	2412.2	0735.2	17.6	8.0	8.5	210	45.000
50.0	15.2	2402.2	0732.1	16.2	7.8	8.3	210	43.000
60.0	18.2	2392.2	0729.1	14.4	7.6	8.0	210	41.000
70.0	21.3	2382.2	0726.0	13.4	7.6	8.3	215	33.000
80.0	24.3	2372.2	0723.0	12.6	7.7	8.7	220	43.000
90.0	27.4	2362.2	0719.9	11.6	7.7	9.0	220	37.000
100.0	30.4	2352.2	0716.9	10.8	7.8	9.2	220	41.000
110.0	33.5	2342.2	0713.9	10.6	7.8	9.3	220	39.000
120.0	36.5	2332.2	0710.8	10.4	7.8	9.4	220	45.000
135.0	41.1	2317.2	0706.2	10.0	7.8	9.5	220	39.000
150.0	45.7	2302.2	0701.7	9.8	7.8	9.5	220	43.000
165.0	50.2	2287.2	0697.1	9.6	7.8	9.5	230	37.000
180.0	54.8	2272.2	0692.5	9.4	7.8	9.5	230	41.000
195.0	59.4	2257.2	0687.9	9.0	7.8	9.4	240	41.000
210.0	64.0	2242.2	0683.4	8.8	7.8	9.2	240	32.000
225.0	68.5	2227.2	0678.8	8.4	7.8	9.0	250	33.000
240.0	73.1	2212.2	0674.2	7.2	7.8	8.2	295	41.000
255.0	77.7	2197.2	0669.7	6.4	7.7	7.2	315	43.000
270.0	82.2	2182.2	0665.1	6.0	7.7	6.9	315	37.000
285.0	86.8	2167.2	0660.5	6.0	7.7	6.8	315	28.000
300.0	91.4	2152.2	0655.9	6.0	7.7	6.8	315	27.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 10 SEP 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2455.3	0748.3	17.0	8.4	8.8	215	
1.0	0.3	2454.3	0748.0	16.9	8.4	8.8	215	50.000
2.0	0.6	2453.3	0747.7	16.9	8.4	8.8	215	50.000
5.0	1.5	2450.3	0746.8	16.8	8.4	8.8	215	50.000
10.0	3.0	2445.3	0745.3	16.5	8.4	8.8	215	48.000
15.0	4.5	2440.3	0743.8	16.2	8.4	8.7	210	48.000
20.0	6.0	2435.3	0742.2	16.1	8.4	8.5	210	48.000
25.0	7.6	2430.3	0740.7	16.0	8.3	8.4	210	48.000
30.0	9.1	2425.3	0739.2	15.8	8.2	8.2	210	45.000
35.0	10.6	2420.3	0737.7	15.5	8.2	8.0	215	45.000
40.0	12.1	2415.3	0736.1	15.2	8.1	7.9	215	43.000
45.0	13.7	2410.3	0734.6	15.1	8.1	7.9	215	43.000
50.0	15.2	2405.3	0733.1	14.8	8.1	7.9	215	43.000
60.0	18.2	2395.3	0730.0	13.9	8.0	7.9	215	45.000
70.0	21.3	2385.3	0727.0	13.1	8.0	8.2	215	45.000
80.0	24.3	2375.3	0724.0	12.6	8.1	8.5	220	43.000
90.0	27.4	2365.3	0720.9	11.8	8.2	8.7	220	37.000
105.0	32.0	2350.3	0716.3	11.0	8.2	9.0	220	37.000
120.0	36.5	2335.3	0711.8	10.6	8.2	9.1	220	37.000
135.0	41.1	2320.3	0707.2	10.2	8.3	9.2	220	35.000
150.0	45.7	2305.3	0702.6	10.0	8.3	9.3	220	33.000
165.0	50.2	2290.3	0698.0	9.9	8.3	9.3	220	32.000
180.0	54.8	2275.3	0693.5	9.6	8.3	9.3	225	28.000
195.0	59.4	2260.3	0688.9	9.2	8.3	9.1	225	21.000
210.0	64.0	2245.3	0684.3	9.0	8.3	8.9	235	21.000
225.0	68.5	2230.3	0679.8	8.3	8.3	8.5	250	21.000
240.0	73.1	2215.3	0675.2	7.5	8.3	7.7	275	25.000
255.0	77.7	2200.3	0670.6	7.2	8.3	6.9	305	33.000
270.0	82.2	2185.3	0666.0	6.6	8.3	6.5	315	37.000
285.0	86.8	2170.3	0661.5	6.5	8.2	6.4	315	35.000
300.0	91.4	2155.3	0656.9	6.5	8.2	6.4	315	32.000

WATER QUALITY SAMPLING DATE: 24 SEP 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2453.9	0747.9	16.2	8.2	8.7	215	
1.0	0.3	2452.9	0747.6	16.2	8.2	8.7	215	57.000
2.0	0.6	2451.9	0747.3	16.2	8.2	8.7	215	57.000
5.0	1.5	2448.9	0746.4	16.2	8.2	8.7	215	57.000
10.0	3.0	2443.9	0744.9	16.2	8.2	8.8	215	55.000
15.0	4.5	2438.9	0743.3	16.2	8.2	8.6	215	55.000
20.0	6.0	2433.9	0741.8	16.0	8.2	8.6	215	60.000
30.0	9.1	2423.9	0738.8	16.0	8.2	8.6	215	57.000
40.0	12.1	2413.9	0735.7	15.8	8.2	8.6	215	55.000
50.0	15.2	2403.9	0732.7	15.8	8.2	8.5	215	57.000
60.0	18.2	2393.9	0729.6	15.4	8.2	8.2	215	50.000
70.0	21.3	2383.9	0726.6	14.4	7.9	7.4	210	50.000
80.0	24.3	2373.9	0723.5	13.0	8.0	8.0	205	50.000
90.0	27.4	2363.9	0720.5	12.6	8.0	8.2	220	45.000
100.0	30.4	2353.9	0717.4	12.0	8.1	8.2	220	45.000
110.0	33.5	2343.9	0714.4	11.6	8.1	8.7	225	45.000
120.0	36.5	2333.9	0711.3	11.0	8.2	8.8	220	41.000
135.0	41.1	2318.9	0706.8	10.6	8.2	8.8	220	45.000
150.0	45.7	2303.9	0702.2	10.3	8.2	9.1	215	43.000
165.0	50.2	2288.9	0697.6	10.0	8.2	9.1	215	28.000
180.0	54.8	2273.9	0693.1	9.8	8.3	9.1	215	25.000
195.0	59.4	2258.9	0688.5	9.4	8.3	8.9	215	25.000
210.0	64.0	2243.9	0683.9	9.2	8.3	8.5	225	19.000
225.0	68.5	2228.9	0679.3	8.7	8.3	8.0	235	24.000
240.0	73.1	2213.9	0674.8	8.0	8.2	7.6	250	25.000
255.0	77.7	2198.9	0670.2	7.2	8.2	6.2	290	32.000
270.0	82.2	2183.9	0665.6	6.6	8.2	5.2	320	33.000
285.0	86.8	2168.9	0661.0	6.4	8.2	5.2	315	39.000
300.0	91.4	2153.9	0656.5	6.4	8.3	5.1	315	33.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 09 OCT 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2451.4	0747.2	14.2	8.2	8.6	215	
1.0	0.3	2450.4	0746.8	14.2	8.2	8.6	215	55.000
2.0	0.6	2449.4	0746.5	14.2	8.2	8.6	215	55.000
5.0	1.5	2446.4	0745.6	14.2	8.2	8.6	215	55.000
10.0	3.0	2441.4	0744.1	14.2	8.2	8.6	215	55.000
15.0	4.5	2436.4	0742.6	14.2	8.2	8.6	215	55.000
20.0	6.0	2431.4	0741.1	14.2	8.2	8.6	215	55.000
25.0	7.6	2426.4	0739.5	14.2	8.2	8.6	215	55.000
30.0	9.1	2421.4	0738.0	14.2	8.2	8.6	215	55.000
35.0	10.6	2416.4	0736.5	14.1	8.2	8.5	215	55.000
40.0	12.1	2411.4	0735.0	14.1	8.2	8.5	215	55.000
50.0	15.2	2401.4	0731.9	14.0	8.2	8.5	215	55.000
65.0	19.8	2386.4	0727.3	13.1	8.0	8.4	215	52.000
80.0	24.3	2371.4	0722.8	12.2	8.1	8.2	215	50.000
95.0	28.9	2356.4	0718.2	11.9	8.1	8.1	215	48.000
110.0	33.5	2341.4	0713.6	11.3	8.1	8.0	215	45.000
125.0	38.1	2326.4	0709.1	10.8	8.2	7.8	220	33.000
140.0	42.6	2311.4	0704.5	10.4	8.2	7.8	215	33.000
155.0	47.2	2296.4	0699.9	10.1	8.2	7.7	210	28.000
170.0	51.8	2281.4	0695.3	10.0	8.3	7.6	210	27.000
185.0	56.3	2266.4	0690.8	9.9	8.3	7.5	210	27.000
200.0	60.9	2251.4	0686.2	9.5	8.3	7.2	210	27.000
215.0	65.5	2236.4	0681.6	9.3	8.3	6.9	210	13.000
230.0	70.1	2221.4	0677.0	8.9	8.3	6.5	225	7.300
245.0	74.6	2206.4	0672.5	8.0	8.2	5.9	250	2.100
260.0	79.2	2191.4	0667.9	7.2	8.2	4.9	290	0.620
275.0	83.8	2176.4	0663.3	6.8	8.2	4.8	305	13.000
290.0	88.3	2161.4	0658.8	6.3	8.2	5.0	315	24.000
300.0	91.4	2151.4	0655.7	6.3	8.2	5.0	315	24.000

WATER QUALITY SAMPLING DATE: 31 OCT 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2445.2	0745.3	11.5	8.2	8.7	210	
1.0	0.3	2444.2	0745.0	11.5	8.2	8.7	210	50.000
2.0	0.6	2443.2	0744.7	11.5	8.2	8.7	210	50.000
5.0	1.5	2440.2	0743.7	11.5	8.2	8.7	210	50.000
10.0	3.0	2435.2	0742.2	11.5	8.2	8.7	210	50.000
15.0	4.5	2430.2	0740.7	11.5	8.2	8.7	210	50.000
20.0	6.0	2425.2	0739.2	11.5	8.2	8.7	210	50.000
25.0	7.6	2420.2	0737.6	11.5	8.2	8.7	210	50.000
30.0	9.1	2415.2	0736.1	11.5	8.2	8.7	210	50.000
40.0	12.1	2405.2	0733.1	11.4	8.2	8.7	210	50.000
50.0	15.2	2395.2	0730.0	11.4	8.2	8.7	210	50.000
60.0	18.2	2385.2	0727.0	11.4	8.2	8.7	210	50.000
70.0	21.3	2375.2	0723.9	11.4	8.3	8.7	210	50.000
80.0	24.3	2365.2	0720.9	11.4	8.3	8.7	210	50.000
90.0	27.4	2355.2	0717.8	11.4	8.3	8.6	210	50.000
100.0	30.4	2345.2	0714.8	11.4	8.3	8.6	210	50.000
110.0	33.5	2335.2	0711.7	11.4	8.3	8.5	210	50.000
120.0	36.5	2325.2	0708.7	11.3	8.3	8.5	210	50.000
130.0	39.6	2315.2	0705.6	11.2	8.3	8.4	210	50.000
140.0	42.6	2305.2	0702.6	10.9	8.3	8.3	205	37.000
150.0	45.7	2295.2	0699.5	10.7	8.3	8.3	200	37.000
165.0	50.2	2280.2	0695.0	10.5	8.3	8.2	200	27.000
180.0	54.8	2265.2	0690.4	10.4	8.3	8.0	200	24.000
195.0	59.4	2250.2	0685.8	10.1	8.3	7.7	200	15.000
210.0	64.0	2235.2	0681.3	10.0	8.3	7.4	200	13.000
225.0	68.5	2220.2	0676.7	9.3	8.3	6.9	205	3.800
240.0	73.1	2205.2	0672.1	8.9	8.3	6.2	235	0.810
255.0	77.7	2190.2	0667.5	8.1	8.2	4.9	255	0.390
270.0	82.2	2175.2	0663.0	7.0	8.0	2.4	295	0.230
285.0	86.8	2160.2	0658.4	6.5	7.8	2.3	315	3.100
300.0	91.4	2145.2	0653.8	6.5	7.6	2.3	315	7.300

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 20 APR 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2316.4	0706.0	3.2	8.2	11.8	225	
1.0	0.3	2315.4	0705.7	3.2	8.2	11.8	225	5.300
2.0	0.6	2314.4	0705.4	3.2	8.2	11.8	225	5.300
5.0	1.5	2311.4	0704.5	3.2	8.2	11.8	225	5.300
10.0	3.0	2306.4	0702.9	3.2	8.2	11.8	225	4.900
15.0	4.5	2301.4	0701.4	3.2	8.2	11.8	225	4.900
20.0	6.0	2296.4	0699.9	3.2	8.1	11.8	225	4.500
30.0	9.1	2286.4	0696.8	3.2	8.0	11.8	225	4.100
40.0	12.1	2276.4	0693.8	3.0	8.0	11.8	235	3.800
50.0	15.2	2266.4	0690.7	3.0	8.0	11.8	235	3.100
60.0	18.2	2256.4	0687.7	3.0	8.0	11.8	235	3.100
70.0	21.3	2246.4	0684.7	3.0	8.0	11.6	235	3.100
80.0	24.3	2236.4	0681.6	3.0	8.0	11.6	235	2.800
90.0	27.4	2226.4	0678.6	3.0	8.1	11.6	240	2.800
100.0	30.4	2216.4	0675.5	3.0	8.1	11.6	240	2.600
110.0	33.5	2206.4	0672.5	3.0	8.1	11.4	240	2.800
120.0	36.5	2196.4	0669.4	3.2	8.1	11.4	240	2.800
130.0	39.6	2186.4	0666.4	3.2	8.1	11.4	240	2.600
140.0	42.6	2176.4	0663.3	3.2	8.1	11.4	240	2.600
150.0	45.7	2166.4	0660.3	3.2	8.1	11.4	240	2.100
160.0	48.7	2156.4	0657.2	3.2	8.1	11.4	240	1.700
170.0	51.8	2146.4	0654.2	3.2	8.1	11.4	240	2.300
180.0	54.8	2136.4	0651.1	3.2		11.4	240	2.100

WATER QUALITY SAMPLING DATE: 06 MAY 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2330.4	0710.3	8.6	8.4	12.1	235	
1.0	0.3	2329.4	0710.0	8.4	8.4	12.1	235	8.500
2.0	0.6	2328.4	0709.6	8.0	8.4	12.1	235	5.300
5.0	1.5	2325.4	0708.7	7.5	8.4	12.1	235	4.100
10.0	3.0	2320.4	0707.2	6.9	8.4	12.1	235	3.400
15.0	4.5	2315.4	0705.7	6.4	8.4	12.1	230	2.800
20.0	6.0	2310.4	0704.2	6.0	8.3	12.0	230	2.600
30.0	9.1	2300.4	0701.1	5.2	8.3	11.6	235	2.600
40.0	12.1	2290.4	0698.1	4.8	8.3	11.5	220	2.800
50.0	15.2	2280.4	0695.0	4.3	8.2	11.3	220	3.100
60.0	18.2	2270.4	0692.0	4.1	8.2	11.0	230	4.100
70.0	21.3	2260.4	0688.9	4.0	8.2	11.0	230	3.100
80.0	24.3	2250.4	0685.9	4.0	8.2	11.0	230	3.800
90.0	27.4	2240.4	0682.8	4.0	8.2	11.0	230	3.800
100.0	30.4	2230.4	0679.8	4.0	8.2	11.0	230	4.100
110.0	33.5	2220.4	0676.7	4.0	8.2	11.0	230	3.800
125.0	38.1	2205.4	0672.2	4.0	8.2	11.0	230	2.600
140.0	42.6	2190.4	0667.6	3.9	8.2	10.8	230	3.100
155.0	47.2	2175.4	0663.0	3.9	8.2	10.8	230	3.100
170.0	51.8	2160.4	0658.4	3.9	8.2	10.8	235	2.600
184.0	56.0	2146.4	0654.2	3.9	8.1	10.8	235	1.700
194.0	59.1	2136.4	0651.1	3.9	8.1	10.8	235	1.100

TABLE 13. STATION NO. 12301919, LAKE KODCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 25 MAY 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2387.6	0727.7	11.8	8.4	11.3	220	
1.0	0.3	2386.6	0727.4	11.8	8.4	11.3	220	4.160
2.0	0.6	2385.6	0727.1	11.8	8.4	11.3	220	4.100
5.0	1.5	2382.6	0726.2	11.8	8.4	11.3	220	5.300
10.0	3.0	2377.6	0724.7	11.2	8.4	11.3	220	6.300
15.0	4.5	2372.6	0723.1	10.6	8.3	11.0	220	7.300
20.0	6.0	2367.6	0721.6	10.2	8.3	10.8	215	8.900
30.0	9.1	2357.6	0718.6	9.8	8.2	10.6	215	8.100
40.0	12.1	2347.6	0715.6	9.4	8.2	10.8	220	5.800
50.0	15.2	2337.6	0712.5	9.0	8.2	10.8	220	9.800
60.0	18.2	2327.6	0709.4	8.8	8.2	10.8	220	12.000
70.0	21.3	2317.6	0706.4	8.2	8.1	10.6	220	12.000
80.0	24.3	2307.6	0703.3	6.8	8.0	10.6	220	8.500
90.0	27.4	2297.6	0700.3	6.2	8.0	10.6	225	5.800
100.0	30.4	2287.6	0697.2	5.4	8.0	10.6	225	4.900
110.0	33.5	2277.6	0694.2	5.4	8.0	10.8	225	1.700
120.0	36.5	2267.6	0691.1	5.2	8.0	10.8	225	2.100
130.0	39.6	2257.6	0688.1	5.0	8.0	10.8	225	1.700
140.0	42.6	2247.6	0685.0	4.8	8.0	11.0	225	1.700
150.0	45.7	2237.6	0682.0	4.6	7.9	11.2	230	2.100
160.0	48.7	2227.6	0678.9	4.6	7.9	11.2	230	2.300
175.0	53.3	2212.6	0674.4	4.4	7.9	11.0	230	2.300
190.0	57.9	2197.6	0669.8	4.2	7.9	11.0	230	1.500
205.0	62.4	2182.6	0665.2	4.0	7.9	10.8	230	1.300
220.0	67.0	2167.6	0660.7	4.0	7.9	10.8	230	4.500
235.0	71.6	2152.6	0656.1	4.0	7.9	10.8	230	4.900
248.0	75.5	2139.6	0652.1	4.0	7.8	10.8	230	4.900
258.0	78.6	2129.6	0649.1	4.0	7.8	10.8	235	

WATER QUALITY SAMPLING DATE: 04 JUN 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2406.5	0733.5	10.0	8.2	10.5	190	
1.0	0.3	2405.5	0733.2	10.0	8.2	10.5	190	0.230
2.0	0.6	2404.5	0732.9	10.0	8.2	10.5	190	0.230
5.0	1.5	2401.5	0731.9	9.5	8.2	10.4	190	0.160
10.0	3.0	2396.5	0730.4	9.2	8.1	10.3	190	0.230
15.0	4.5	2391.5	0728.9	9.0	8.1	10.3	190	0.530
20.0	6.0	2386.5	0727.4	9.0	8.1	10.3	190	0.060
30.0	9.1	2376.5	0724.3	9.0	8.1	10.2	180	0.130
40.0	12.1	2366.5	0721.3	8.8	8.1	10.3	185	0.070
50.0	15.2	2356.5	0718.2	8.8	8.1	10.4	205	0.810
60.0	18.2	2346.5	0715.2	8.8	8.1	10.4	200	1.900
70.0	21.3	2336.5	0712.1	8.7	8.1	10.4	205	0.460
80.0	24.3	2326.5	0709.1	8.5	8.1	10.5	205	0.420
95.0	28.9	2311.5	0704.5	8.2	8.1	10.5	210	2.300
110.0	33.5	2296.5	0699.9	7.9	8.1	10.5	210	3.100
125.0	38.1	2281.5	0695.4	7.3	8.0	10.6	210	1.300
140.0	42.6	2266.5	0690.8	6.6	8.0	10.7	220	3.100
155.0	47.2	2251.5	0686.2	5.2	8.0	11.0	235	2.800
170.0	51.8	2236.5	0681.7	4.8	7.9	11.0	225	2.500
185.0	56.3	2221.5	0677.1	4.4	7.9	11.0	230	4.500
200.0	60.9	2206.5	0672.5	4.4	7.9	11.0	230	4.900
215.0	65.5	2191.5	0667.9	4.4	7.9	10.9	230	4.500
230.0	70.1	2176.5	0663.4	4.3	7.9	10.8	230	3.400
245.0	74.6	2161.5	0658.8	4.2	7.9	10.7	230	3.400
258.0	78.6	2148.5	0654.8	4.1	7.9	10.7	230	3.800
268.0	81.6	2138.5	0651.8	4.1	7.9	10.6	230	3.800



TABLE 13. STATION NO. 12301919, LAKE KONCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 22 JUN 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2431.1	0741.0	13.8	8.5	10.4	190	
1.0	0.3	2430.1	0740.7	13.7	8.5	10.4	190	28.000
2.0	0.6	2429.1	0740.3	13.7	8.5	10.4	190	28.000
5.0	1.5	2426.1	0739.4	13.5	8.5	10.4	190	28.000
10.0	3.0	2421.1	0737.9	13.4	8.5	10.4	190	25.000
15.0	4.5	2416.1	0736.4	13.4	8.4	10.4	190	25.000
20.0	6.0	2411.1	0734.9	13.3	8.4	10.4	190	24.000
25.0	7.6	2406.1	0733.3	13.3	8.4	10.4	190	24.000
30.0	9.1	2401.1	0731.8	13.2	8.4	10.3	190	23.000
40.0	12.1	2391.1	0728.8	12.4	8.4	10.2	185	19.000
50.0	15.2	2381.1	0725.7	11.0	8.2	10.2	185	19.000
60.0	18.2	2371.1	0722.7	10.4	8.2	10.1	180	8.500
70.0	21.3	2361.1	0719.6	9.8	8.2	10.1	180	6.300
80.0	24.3	2351.1	0716.6	9.3	8.2	10.0	185	4.500
90.0	27.4	2341.1	0713.5	9.0	8.2	10.0	185	3.400
100.0	30.4	2331.1	0710.5	8.8	8.2	10.0	185	1.300
115.0	35.0	2316.1	0705.9	8.6	8.2	10.2	195	0.810
130.0	39.6	2301.1	0701.3	8.2	8.2	10.2	195	0.530
145.0	44.1	2286.1	0696.8	7.9	8.1	10.4	200	0.620
160.0	48.7	2271.1	0692.2	7.0	8.1	10.4	210	2.100
175.0	53.3	2256.1	0687.6	6.0	8.1	10.4	225	4.500
190.0	57.9	2241.1	0683.0	5.5	8.0	10.4	225	6.300
205.0	62.4	2226.1	0678.5	4.9	8.0	10.5	225	7.300
220.0	67.0	2211.1	0673.9	4.6	8.0	10.5	230	8.500
235.0	71.6	2196.1	0669.3	4.5	8.0	10.5	230	9.800
250.0	76.2	2181.1	0664.8	4.2	7.9	10.5	230	9.800
265.0	80.7	2166.1	0660.2	4.2	7.9	10.6	230	9.800
281.0	85.6	2150.1	0655.3	4.2	7.9	10.6	230	11.000
291.0	88.6	2140.1	0652.3	4.2	7.9	10.6	230	11.000

WATER QUALITY SAMPLING DATE: 09 JUL 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2452.0	0747.3	18.0	8.7	10.6	185	
1.0	0.3	2451.0	0747.0	17.9	8.7	10.6	185	41.000
2.0	0.6	2450.0	0746.7	17.9	8.7	10.6	185	41.000
5.0	1.5	2447.0	0745.8	17.6	8.7	10.6	185	41.000
10.0	3.0	2442.0	0744.3	16.6	8.7	10.6	185	39.000
15.0	4.5	2437.0	0742.8	15.8	8.7	10.5	185	33.000
20.0	6.0	2432.0	0741.2	15.3	8.7	10.5	185	33.000
25.0	7.6	2427.0	0739.7	14.5	8.6	10.5	185	33.000
30.0	9.1	2422.0	0738.2	13.6	8.6	10.4	185	30.000
35.0	10.6	2417.0	0736.7	12.8	8.5	10.3	185	27.000
40.0	12.1	2412.0	0735.1	11.6	8.5	10.2	185	27.000
50.0	15.2	2402.0	0732.1	11.0	8.5	10.2	180	21.000
60.0	18.2	2392.0	0729.0	10.7	8.4	10.1	180	13.000
70.0	21.3	2382.0	0726.0	10.4	8.4	10.0	180	11.000
80.0	24.3	2372.0	0722.9	10.1	8.4	10.0	175	9.800
90.0	27.4	2362.0	0719.9	9.9	8.4	10.0	175	9.800
100.0	30.4	2352.0	0716.8	9.7	8.4	9.9	175	8.500
115.0	35.0	2337.0	0712.3	9.2	8.4	9.9	180	8.500
130.0	39.6	2322.0	0707.7	8.9	8.4	9.9	180	4.500
145.0	44.1	2307.0	0703.1	8.7	8.4	9.9	180	2.600
160.0	48.7	2292.0	0698.6	8.3	8.4	9.9	180	1.100
175.0	53.3	2277.0	0694.0	7.9	8.4	9.9	195	0.710
190.0	57.9	2262.0	0689.4	7.3	8.3	9.9	205	0.810
205.0	62.4	2247.0	0684.8	6.3	8.3	9.9	215	1.300
220.0	67.0	2232.0	0680.3	5.7	8.2	9.8	225	2.100
235.0	71.6	2217.0	0675.7	5.0	8.2	9.8	225	6.300
250.0	76.2	2202.0	0671.1	4.9	8.2	9.8	225	11.000
265.0	80.7	2187.0	0666.6	4.9	8.2	9.8	225	14.000
280.0	85.3	2172.0	0662.0	4.9	8.2	9.8	225	14.000
295.0	89.9	2157.0	0657.4	4.9	8.2	9.8	225	15.000
305.0	92.9	2147.0	0654.4	4.9	8.2	9.8	225	15.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 30 JUL 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.9	0749.4	16.4	8.6	9.5	190	
1.0	0.3	2457.9	0749.1	16.4	8.6	9.5	190	
2.0	0.6	2456.9	0748.8	16.4	8.6	9.5	190	
5.0	1.5	2453.9	0747.9	16.4	8.6	9.5	190	
10.0	3.0	2448.9	0746.4	16.4	8.6	9.5	190	
15.0	4.5	2443.9	0744.9	16.2	8.6	9.5	195	
20.0	6.0	2438.9	0743.3	16.0	8.6	9.4	195	
25.0	7.6	2433.9	0741.8	16.0	8.5	9.6	195	
30.0	9.1	2428.9	0740.3	15.4	8.5	9.7	190	
35.0	10.6	2423.9	0738.8	15.2	8.5	9.7	190	
40.0	12.1	2418.9	0737.2	15.0	8.4	9.5	190	52.000
50.0	15.2	2408.9	0734.2	14.0	8.4	9.5	190	50.000
60.0	18.2	2398.9	0731.1	13.0	8.3	8.9	190	50.000
70.0	21.3	2388.9	0728.1	12.8	8.2	9.0	190	50.000
80.0	24.3	2378.9	0725.0	12.6	8.2	8.8	195	55.000
90.0	27.4	2368.9	0722.0	12.4	8.2	8.5	195	52.000
100.0	30.4	2358.9	0718.9	12.2	8.2	8.5	195	48.000
110.0	33.5	2348.9	0715.9	11.8	8.3	9.0	195	43.000
125.0	38.1	2333.9	0711.3	11.0	8.3	9.4	190	32.000
140.0	42.6	2318.9	0706.8	10.6	8.3	9.6	190	19.000
155.0	47.2	2303.9	0702.2	9.8	8.3	9.8	190	14.000
170.0	51.8	2288.9	0697.6	9.0	8.3	9.8	190	3.800
185.0	56.3	2273.9	0693.0	9.0	8.2	9.9	190	2.800
200.0	60.9	2258.9	0688.5	8.8	8.2	9.8	190	3.800
215.0	65.5	2243.9	0683.9	8.2	8.2	9.8	200	4.500
230.0	70.1	2228.9	0679.3	7.6	8.2	9.6	210	4.500
245.0	74.6	2213.9	0674.8	6.6	8.1	9.4	235	5.300
260.0	79.2	2198.9	0670.2	6.0	8.0	9.2	245	7.900
275.0	83.8	2183.9	0665.6	5.8	8.0	9.1	250	11.000
290.0	88.3	2168.9	0661.0	5.6	8.0	9.0	255	11.000
305.0	92.9	2153.9	0656.5	5.4	8.0	9.0	255	11.000
315.0	96.0	2143.9	0653.4	5.4	8.0	9.0	255	11.000

WATER QUALITY SAMPLING DATE: 11 AUG 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.9	0749.4	18.5	8.4	8.9	185	
1.0	0.3	2457.9	0749.1	18.5	8.5	9.0	185	45.000
2.0	0.6	2456.9	0748.8	18.2	8.5	9.0	185	45.000
5.0	1.5	2453.9	0747.9	18.0	8.5	9.2	185	43.000
10.0	3.0	2448.9	0746.4	18.0	8.6	9.2	185	41.000
15.0	4.5	2443.9	0744.9	17.1	8.4	9.0	185	30.000
20.0	6.0	2438.9	0743.3	16.5	8.4	8.9	185	33.000
25.0	7.6	2433.9	0741.8	16.2	8.4	8.8	185	39.000
30.0	9.1	2428.9	0740.3	15.9	8.3	8.7	185	45.000
35.0	10.6	2423.9	0738.8	15.2	8.3	8.7	185	45.000
40.0	12.1	2418.9	0737.2	14.9	8.3	8.6	185	45.000
45.0	13.7	2413.9	0735.7	14.2	8.3	8.7	180	45.000
50.0	15.2	2408.9	0734.2	13.9	8.3	8.7	180	43.000
60.0	18.2	2398.9	0731.1	13.1	8.3	8.8	180	41.000
70.0	21.3	2388.9	0728.1	12.7	8.3	8.8	180	39.000
80.0	24.3	2378.9	0725.0	12.5	8.2	8.7	180	30.000
95.0	28.9	2363.9	0720.5	12.1	8.2	8.7	180	45.000
110.0	33.5	2348.9	0715.9	11.9	8.3	8.8	180	41.000
125.0	38.1	2333.9	0711.3	11.2	8.3	9.1	185	41.000
140.0	42.6	2318.9	0706.8	10.8	8.4	9.7	185	33.000
155.0	47.2	2303.9	0702.2	10.3	8.4	9.6	185	27.000
170.0	51.8	2288.9	0697.6	10.0	8.4	9.8	190	21.000
185.0	56.3	2273.9	0693.0	9.9	8.4	9.8	190	24.000
200.0	60.9	2258.9	0688.5	9.5	8.3	9.8	190	17.000
215.0	65.5	2243.9	0683.9	9.0	8.3	9.8	190	14.000
230.0	70.1	2228.9	0679.3	8.2	8.2	9.0	195	11.000
245.0	74.6	2213.9	0674.8	7.6	8.2	9.0	195	8.500
260.0	79.2	2198.9	0670.2	6.5	8.1	8.7	235	11.000
275.0	83.8	2183.9	0665.6	6.0	8.1	8.5	245	14.000
290.0	88.3	2168.9	0661.0	6.0	8.0	8.4	245	15.000
305.0	92.9	2153.9	0656.5	6.0	8.0	8.2	245	15.000
315.0	96.0	2143.9	0653.4	6.0	8.0	8.1	245	

TARLF 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 31 AUG 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.6	0749.4	19.0	8.6	8.9	175	
1.0	0.3	2457.6	0749.0	19.0	8.6	8.9	175	39.000
2.0	0.6	2456.6	0748.7	19.0	8.6	9.0	175	39.000
5.0	1.5	2453.6	0747.8	19.0	8.6	9.0	175	37.000
10.0	3.0	2448.6	0746.3	18.7	8.6	9.0	180	37.000
15.0	4.5	2443.6	0744.8	18.5	8.6	9.0	180	35.000
20.0	6.0	2438.6	0743.3	18.0	8.6	8.8	180	35.000
25.0	7.6	2433.6	0741.7	17.9	8.6	9.0	180	35.000
30.0	9.1	2428.6	0740.2	18.0	8.6	8.8	180	33.000
35.0	10.6	2423.6	0738.7	17.0	8.6	8.8	180	33.000
40.0	12.1	2418.6	0737.2	16.5	8.4	8.4	180	33.000
50.0	15.2	2408.6	0734.1	16.0	8.2	8.0	180	37.000
60.0	18.2	2398.6	0731.1	15.5	8.2	7.8	175	41.000
70.0	21.3	2388.6	0728.0	15.0	8.2	7.9	170	48.000
80.0	24.3	2378.6	0725.0	14.0	8.2	7.9	170	37.000
90.0	27.4	2368.6	0721.9	14.0	8.2	8.2	170	50.000
100.0	30.4	2358.6	0718.9	13.3	8.2	8.4	165	45.000
110.0	33.5	2348.6	0715.8	13.0	8.2	8.3	165	50.000
125.0	38.1	2333.6	0711.3	12.1	8.2	8.5	170	50.000
140.0	42.6	2318.6	0706.7	11.5	8.2	9.0	170	48.000
155.0	47.2	2303.6	0702.1	11.1	8.2	9.1	170	43.000
170.0	51.8	2288.6	0697.5	11.0	8.2	9.2	170	39.000
185.0	56.3	2273.6	0693.0	10.1	8.2	9.2	160	37.000
200.0	60.9	2258.6	0688.4	10.0	8.2	9.3	160	37.000
215.0	65.5	2243.6	0683.8	10.0	8.2	9.2	160	27.000
230.0	70.1	2228.6	0679.2	9.0	8.2	9.1	165	24.000
245.0	74.6	2213.6	0674.7	8.5	8.2	8.9	170	20.000
255.0	77.7	2203.6	0671.6	7.5	8.0	8.7	190	20.000
270.0	82.2	2188.6	0667.1	6.8	8.0	8.1	205	21.000
285.0	86.8	2173.6	0662.5	6.1	8.0	7.6	225	21.000
300.0	91.4	2158.6	0657.9	6.1	8.0	7.5	230	24.000
310.0	94.4	2148.6	0654.9	6.1	7.8	7.4	230	23.000

WATER QUALITY SAMPLING DATE: 16 SEP 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.8	0749.4	17.0	8.5	9.5	185	
1.0	0.3	2457.8	0749.1	17.0	8.5	9.5	185	52.000
2.0	0.6	2456.8	0748.8	16.8	8.5	9.5	185	52.000
5.0	1.5	2453.8	0747.9	16.8	8.5	9.5	185	52.000
10.0	3.0	2448.8	0746.3	16.8	8.5	9.5	185	52.000
15.0	4.5	2443.8	0744.8	16.8	8.5	9.4	185	52.000
20.0	6.0	2438.8	0743.3	16.8	8.5	9.4	185	52.000
25.0	7.6	2433.8	0741.8	16.8	8.5	9.4	185	52.000
30.0	9.1	2428.8	0740.2	16.9	8.5	9.4	185	52.000
35.0	10.6	2423.8	0738.7	16.4	8.5	9.4	185	50.000
40.0	12.1	2418.8	0737.2	16.4	8.4	9.4	185	50.000
50.0	15.2	2408.8	0734.2	16.0	8.4	9.3	180	50.000
60.0	18.2	2398.8	0731.1	16.0	8.3	9.1	180	48.000
70.0	21.3	2388.8	0728.1	15.5	8.2	8.8	180	48.000
80.0	24.3	2378.8	0725.0	15.0	8.1	8.2	180	46.000
90.0	27.4	2368.8	0722.0	14.5	8.1	8.1	180	28.000
100.0	30.4	2358.8	0718.9	14.2	8.1	8.2	175	37.000
110.0	33.5	2348.8	0715.9	13.8	8.1	8.3	175	48.000
125.0	38.1	2333.8	0711.3	13.2	8.1	8.5	180	45.000
140.0	42.6	2318.8	0706.7	12.4	8.1	8.8	180	45.000
155.0	47.2	2303.8	0702.1	12.0	8.1	9.0	180	45.000
170.0	51.8	2288.8	0697.6	11.5	8.1	9.3	185	35.000
185.0	56.3	2273.8	0693.0	11.0	8.2	9.7	180	45.000
200.0	60.9	2258.8	0688.4	10.6	8.2	9.7	180	41.000
215.0	65.5	2243.8	0683.8	10.0	8.1	9.4	180	30.000
230.0	70.1	2228.8	0679.3	9.6	8.1	9.2	185	30.000
245.0	74.6	2213.8	0674.7	9.0	8.1	9.0	190	15.000
260.0	79.2	2198.8	0670.1	7.8	8.0	8.8	210	11.000
275.0	83.8	2183.8	0665.6	6.8	7.9	8.1	225	17.000
290.0	88.3	2168.8	0661.0	6.4	7.9	7.5	235	27.000
304.0	92.6	2154.8	0656.7	6.2	7.9	7.2	235	32.000
314.0	95.7	2144.8	0653.7	6.2	7.9	6.9	235	32.000

TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 29 SEP 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2457.1	0748.9					
1.0	0.3	2456.1	0748.6	17.1	8.5	9.0	190	45.000
2.0	0.6	2455.1	0748.3	17.1	8.5	9.0	190	45.000
5.0	1.5	2452.1	0747.4	17.1	8.5	9.0	190	45.000
10.0	3.0	2447.1	0745.8	17.0	8.5	9.0	190	43.000
15.0	4.5	2442.1	0744.3	17.0	8.5	9.0	190	43.000
20.0	6.0	2437.1	0742.8	17.0	8.4	8.9	190	43.000
25.0	7.6	2432.1	0741.3	17.0	8.4	8.9	190	43.000
30.0	9.1	2427.1	0739.7	16.6	8.4	8.9	185	43.000
35.0	10.6	2422.1	0738.2	16.3	8.4	8.8	185	43.000
40.0	12.1	2417.1	0736.7	16.3	8.4	8.8	185	43.000
45.0	13.7	2412.1	0735.2	16.2	8.4	8.7	185	43.000
50.0	15.2	2407.1	0733.7	16.0	8.3	8.6	185	43.000
60.0	18.2	2397.1	0730.6	15.9	8.3	8.5	185	43.000
70.0	21.3	2387.1	0727.6	15.7	8.2	8.5	190	43.000
80.0	24.3	2377.1	0724.5	14.8	8.0	8.4	190	45.000
90.0	27.4	2367.1	0721.5	13.9	8.0	8.6	180	45.000
105.0	32.0	2352.1	0716.9	13.4	8.0	8.7	175	45.000
120.0	36.5	2337.1	0712.3	13.0	8.0	8.8	180	43.000
135.0	41.1	2322.1	0707.7	12.8	8.0	9.0	180	43.000
150.0	45.7	2307.1	0703.2	12.3	8.0	9.3	180	43.000
165.0	50.2	2292.1	0698.6	11.9	8.0	9.3	180	39.000
180.0	54.8	2277.1	0694.0	11.2	8.1	9.5	180	35.000
195.0	59.4	2262.1	0689.5	10.6	8.1	9.3	180	33.000
210.0	64.0	2247.1	0684.9	10.2	8.0	9.0	180	33.000
225.0	68.5	2232.1	0680.3	9.9	8.0	8.7	180	30.000
240.0	73.1	2217.1	0675.7	9.3	8.0	8.5	190	24.000
255.0	77.7	2202.1	0671.2	8.5	8.0	8.3	195	17.000
265.0	80.7	2192.1	0668.1	7.5	7.9	8.3	215	18.000
280.0	85.3	2177.1	0663.5	6.5	7.8	7.6	235	24.000
295.0	89.9	2162.1	0659.0	6.2	7.8	6.9	235	27.000
307.0	93.5	2150.1	0655.3	6.2	7.8	6.8	245	27.000
317.0	96.6	2140.1	0652.3	6.1	7.8	5.8	245	27.000

WATER QUALITY SAMPLING DATE: 14 OCT 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2453.3	0747.7	14.3	8.3	8.6	185	
1.0	0.3	2452.3	0747.4	14.3	8.3	8.5	185	50.000
2.0	0.6	2451.3	0747.1	14.3	8.3	8.5	185	50.000
5.0	1.5	2448.3	0746.2	14.3	8.3	8.5	185	50.000
10.0	3.0	2443.3	0744.7	14.3	8.3	8.5	185	50.000
15.0	4.5	2438.3	0743.1	14.3	8.3	8.5	185	50.000
20.0	6.0	2433.3	0741.6	14.3	8.3	8.5	185	50.000
25.0	7.6	2428.3	0740.1	14.3	8.3	8.4	185	50.000
30.0	9.1	2423.3	0738.6	14.3	8.3	8.4	185	50.000
35.0	10.6	2418.3	0737.0	14.2	8.2	8.4	190	50.000
40.0	12.1	2413.3	0735.5	14.2	8.2	8.4	190	50.000
45.0	13.7	2408.3	0734.0	14.2	8.2	8.4	190	50.000
50.0	15.2	2403.3	0732.5	14.2	8.2	8.3	190	50.000
60.0	18.2	2393.3	0729.4	14.1	8.2	8.1	190	50.000
70.0	21.3	2383.3	0726.4	13.9	8.1	7.8	180	50.000
80.0	24.3	2373.3	0723.3	13.8	8.1	7.8	180	48.000
90.0	27.4	2363.3	0720.3	13.5	8.1	7.8	180	45.000
105.0	32.0	2348.3	0715.7	13.2	8.1	7.8	180	45.000
120.0	36.5	2333.3	0711.1	13.1	8.1	7.9	180	45.000
135.0	41.1	2318.3	0706.6	12.8	8.1	8.0	180	39.000
150.0	45.7	2303.3	0702.0	12.4	8.0	8.0	180	35.000
165.0	50.2	2288.3	0697.4	12.2	8.0	8.1	180	28.000
180.0	54.8	2273.3	0692.9	12.0	8.0	8.1	175	28.000
195.0	59.4	2258.3	0688.3	11.3	8.0	8.3	175	27.000
210.0	64.0	2243.3	0683.7	10.7	8.0	8.0	180	17.000
225.0	68.5	2228.3	0679.1	10.2	8.0	7.8	180	11.000
240.0	73.1	2213.3	0674.6	9.2	7.9	7.6	190	8.500
255.0	77.7	2198.3	0670.0	8.2	7.8	7.1	210	4.500
270.0	82.2	2183.3	0665.4	7.0	7.8	6.2	225	2.100
285.0	86.8	2168.3	0660.8	6.5	7.8	6.2	235	6.300
300.0	91.4	2153.3	0656.3	6.5	7.8	6.0	240	19.000
310.0	94.4	2143.3	0653.2	6.5	7.8	5.6	240	23.000

TABLE 13. STATION NO. 12301919, LAKE KOCCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 26 OCT 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2446.8	0745.7	13.1	8.3	8.8	185	
1.0	0.3	2445.9	0745.5	13.1	8.3	8.9	185	45.000
2.0	0.6	2444.9	0745.2	13.1	8.3	8.9	185	45.000
5.0	1.5	2041.9	0744.3	13.1	8.3	8.8	185	45.000
10.0	3.0	2436.9	0742.7	13.1	8.3	8.8	185	45.000
15.0	4.5	2431.9	0741.2	13.1	8.3	9.0	185	45.000
20.0	6.0	2426.9	0739.7	13.1	8.2	9.2	185	45.000
25.0	7.6	2021.9	0738.2	13.1	8.2	9.2	185	43.000
30.0	9.1	2416.9	0736.6	13.1	8.2	9.0	185	43.000
35.0	10.6	2411.9	0735.1	13.1	8.2	9.2	185	41.000
40.0	12.1	2406.9	0733.6	13.1	8.2	9.0	185	41.000
45.0	13.7	2401.9	0732.1	13.1	8.2	9.2	185	37.000
50.0	15.2	2396.9	0730.5	13.1	8.2	9.0	185	33.000
60.0	18.2	2386.9	0727.5	13.1	8.2	9.0	185	30.000
70.0	21.3	2376.9	0724.4	13.1	8.2	9.1	185	30.000
80.0	24.3	2366.9	0721.4	13.1	8.2	9.2	185	30.000
90.0	27.4	2356.9	0718.3	13.1	8.2	9.2	185	30.000
105.0	32.0	2341.9	0713.8	13.1	8.2	9.2	185	30.000
120.0	36.5	2326.9	0709.2	13.1	8.2	9.2	185	30.000
135.0	41.1	2311.9	0704.6	13.1	8.2	9.1	185	30.000
150.0	45.7	2296.9	0700.1	13.1	8.2	9.2	185	28.000
165.0	50.2	2281.9	0695.5	12.8	8.1	8.8	180	21.000
180.0	54.8	2266.9	0690.9	11.9	8.0	9.0	175	19.000
195.0	59.4	2251.9	0686.3	11.5	8.0	9.2	175	6.800
210.0	64.0	2236.9	0681.8	10.9	8.0	9.0	180	2.800
225.0	68.5	2221.9	0677.2	10.2	7.9	8.6	190	1.100
240.0	73.1	2206.9	0672.6	9.2	7.9	7.9	190	0.810
255.0	77.7	2191.9	0668.1	8.0	7.8	7.2	210	1.300
270.0	82.2	2176.9	0663.5	7.0	7.8	6.0	240	2.800
285.0	86.8	2161.9	0658.9	6.5	7.8	6.8	240	4.900
300.0	91.4	2146.9	0654.3	6.5	7.8	6.3	240	0.390
310.0	94.4	2136.9	0651.3	6.8	7.7	5.0	240	0.160

WATER QUALITY SAMPLING DATE: 04 MAY 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2361.2	0719.7	7.7	8.6	11.4	225	
1.5	0.4	2359.8	0719.2	7.7	8.6	11.4	225	15.000
2.0	0.6	2359.3	0719.1	7.7	8.6	11.4	225	15.000
5.0	1.5	2356.3	0718.2	7.6	8.6	11.5	225	15.000
10.0	3.0	2351.3	0716.6	7.1	8.6	12.4	220	15.000
15.0	4.5	2346.3	0715.1	6.1	8.6	12.3	215	16.000
20.0	6.0	2341.3	0713.6	6.0	8.6	12.2	215	16.000
25.0	7.6	2336.3	0712.1	6.0	8.6	12.1	215	16.000
30.0	9.1	2331.3	0710.5	5.9	8.6	12.0	215	17.000
35.0	10.6	2326.3	0709.0	5.7	8.5	12.0	215	18.000
40.0	12.1	2321.3	0707.5	5.5	8.5	12.0	215	19.000
50.0	15.2	2311.3	0704.5	5.2	8.4	12.0	215	21.000
60.0	18.2	2301.3	0701.4	5.0	8.4	12.0	215	27.000
70.0	21.3	2291.3	0698.4	4.4	8.4	12.0	215	28.000
80.0	24.3	2281.3	0695.3	4.2	8.4	12.1	215	32.000
95.0	28.9	2266.3	0690.7	4.0	8.3	12.2	215	33.000
110.0	33.5	2251.3	0686.2	4.0	8.3	12.1	220	33.000
125.0	38.1	2236.3	0681.6	4.0	8.2	12.1	220	30.000
140.0	42.6	2221.3	0677.0	4.0	8.2	12.0	220	21.000
155.0	47.2	2206.3	0672.4	4.0	8.2	12.0	220	18.000
170.0	51.8	2191.3	0667.9	4.0	8.1	12.0	220	16.000
185.0	56.3	2176.3	0663.3	4.0	8.1	12.1	220	16.000
200.0	60.9	2161.3	0658.7	4.0	8.1	12.1	220	15.000
212.0	64.6	2149.3	0655.1	4.0	8.0	12.0	220	13.000
222.0	67.6	2139.3	0652.0	4.0	7.9	11.9	230	7.300

TABLE 13. STATION NO. 12301919, LAKE KOOCANUISA AT FORERAY

WATER QUALITY SAMPLING DATE: 24 MAY 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2377.2	0724.5	8.4	8.5		235	
1.5	0.4	2375.8	0724.1	8.4	8.5		235	28.000
2.0	0.6	2375.3	0724.0	8.4	8.5	11.2	235	28.000
5.0	1.5	2372.3	0723.0	8.2	8.5		235	28.000
10.0	3.0	2367.3	0721.5	8.2	8.5	10.8	235	28.000
15.0	4.5	2362.3	0720.0	8.0	8.5		235	28.000
20.0	6.0	2357.3	0718.5	8.0	8.5		235	25.000
25.0	7.6	2352.3	0717.0	8.0	8.5		235	27.000
30.0	9.1	2347.3	0715.4	7.8	8.5		235	27.000
35.0	10.6	2342.3	0713.9	7.8	8.5	11.2	235	28.000
40.0	12.1	2337.3	0712.4	7.8	8.5		235	30.000
45.0	13.7	2332.3	0710.9	7.8	8.5		235	32.000
50.0	15.2	2327.3	0709.3	7.6	8.5		230	33.000
60.0	18.2	2317.3	0706.3	7.0	8.4		235	35.000
70.0	21.3	2307.3	0703.2	6.8	8.4		235	35.000
80.0	24.3	2297.3	0700.2	6.4	8.4		230	39.000
90.0	27.4	2287.3	0697.1	5.8	8.4		225	41.000
105.0	32.0	2272.3	0692.6	5.0	8.4	11.0	220	41.000
120.0	36.5	2257.3	0688.0	4.4	8.4		220	41.000
135.0	41.1	2242.3	0683.4	4.0	8.3		220	41.000
150.0	45.7	2227.3	0678.9	3.6	8.2		225	37.000
165.0	50.2	2212.3	0674.3	3.6	8.2		225	30.000
180.0	54.8	2197.3	0669.7	3.4	8.2		225	27.000
195.0	59.4	2182.3	0665.1	3.4	8.2		225	27.000
210.0	64.0	2167.3	0660.6	3.4	8.2		225	25.000
225.0	68.5	2152.3	0656.0	3.4	8.2		225	20.000
230.0	70.1	2147.3	0654.5	3.2	8.1	10.2	225	11.000
240.0	73.1	2137.3	0651.4	3.2	8.1		225	11.000

WATER QUALITY SAMPLING DATE: 13 JUN 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2400.2	0731.6	16.0	8.5	9.7	265	
1.5	0.4	2398.8	0731.1	16.0	8.5	9.7	265	35.000
2.0	0.6	2398.3	0731.0	15.7	8.5	9.9	270	35.000
5.0	1.5	2395.3	0730.1	15.4	8.5	10.1	270	35.000
10.0	3.0	2390.3	0728.5	15.0	8.5	10.1	265	28.000
15.0	4.5	2385.3	0727.0	14.3	8.5	10.3	260	17.000
20.0	6.0	2380.3	0725.5	14.0	8.5	10.5	265	11.000
25.0	7.6	2375.3	0724.0	13.0	8.5	10.8	260	9.800
30.0	9.1	2370.3	0722.4	12.8	8.5	10.7	260	12.000
35.0	10.6	2365.3	0720.9	12.3	8.5	10.6	265	16.000
40.0	12.1	2360.3	0719.4	11.8	8.5	10.4	260	15.000
50.0	15.2	2350.3	0716.3	11.1	8.4	10.3	265	27.000
60.0	18.2	2340.3	0713.3	10.4	8.4	10.3	260	35.000
70.0	21.3	2330.3	0710.2	10.1	8.4	10.2	260	24.000
80.0	24.3	2320.3	0707.2	9.8	8.4	10.3	255	37.000
90.0	27.4	2310.3	0704.2	9.2	8.4	10.4	255	45.000
100.0	30.4	2300.3	0701.1	8.2	8.4	10.6	255	43.000
115.0	35.0	2285.3	0696.5	7.3	8.4	10.9	250	41.000
130.0	39.6	2270.3	0692.0	6.3	8.4	10.9	240	39.000
145.0	44.1	2255.3	0687.4	5.5	8.4	10.8	240	35.000
160.0	48.7	2240.3	0682.8	5.0	8.3	10.4	240	39.000
175.0	53.3	2225.3	0678.2	5.0	8.3	10.3	240	39.000
190.0	57.9	2210.3	0673.7	5.0	8.3	10.2	240	16.000
205.0	62.4	2195.3	0669.1	4.8	8.3	10.1	240	18.000
220.0	67.0	2180.3	0664.5	4.7	8.2	10.0	245	24.000
235.0	71.6	2165.3	0660.0	4.6	8.2	9.8	245	35.000
250.0	76.2	2150.3	0655.4	4.6	8.1	9.4	245	35.000
260.0	79.2	2140.3	0652.3	4.6	8.0	9.0	245	35.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 29 JUN 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2413.3	0735.5	14.0	8.5	9.9	250	
1.5	0.4	2411.9	0735.1	14.0	8.5	9.9	250	14,000
5.0	1.5	2408.4	0734.1	13.8	8.5	9.9	250	14,000
10.0	3.0	2403.4	0732.5	13.2	8.4	9.8	255	15,000
15.0	4.5	2398.4	0731.0	13.2	8.4	9.8	255	17,000
20.0	6.0	2393.4	0729.5	13.0	8.4	9.6	250	17,000
25.0	7.6	2388.4	0728.0	13.0	8.4	9.6	250	19,000
30.0	9.1	2383.4	0726.4	12.6	8.3	9.2	245	20,000
35.0	10.6	2378.4	0724.9	12.4	8.3	9.4	245	23,000
40.0	12.1	2373.4	0723.4	12.0	8.2	9.3	240	23,000
50.0	15.2	2363.4	0720.3	12.0	8.3	9.3	245	27,000
60.0	18.2	2353.4	0717.3	11.8	8.4	9.3	245	28,000
70.0	21.3	2343.4	0714.2	11.4	8.4	9.5	250	30,000
80.0	24.3	2333.4	0711.2	11.0	8.4	9.8	260	30,000
90.0	27.4	2323.4	0708.1	10.2	8.4	9.9	255	28,000
100.0	30.4	2313.4	0705.1	9.2	8.4	9.9	255	28,000
110.0	33.5	2303.4	0702.0	8.2	8.4	10.0	250	28,000
120.0	36.5	2293.4	0699.0	7.8	8.4	10.2	250	30,000
130.0	39.6	2283.4	0696.0	7.2	8.4	10.2	245	32,000
145.0	44.1	2268.4	0691.4	6.6	8.4	10.3	240	32,000
160.0	48.7	2253.4	0686.8	5.8	8.3	10.0	235	35,000
175.0	53.3	2238.4	0682.2	5.4	8.3	9.8	240	30,000
190.0	57.9	2223.4	0677.7	5.0	8.2	9.7	240	30,000
205.0	62.4	2208.4	0673.1	4.8	8.2	9.7	235	30,000
220.0	67.0	2193.4	0668.5	4.8	8.2	9.9	235	30,000
235.0	71.6	2178.4	0663.9	4.8	8.1	9.8	235	28,000
250.0	76.2	2163.4	0659.4	4.8	8.0	9.8	235	28,000
262.0	79.8	2151.4	0655.7	4.8	8.0	9.6	235	25,000
272.0	82.9	2141.4	0652.7	4.8	7.9	9.0	235	24,000

WATER QUALITY SAMPLING DATE: 14 JUL 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2413.8	0735.7	17.7	8.6	9.6	235	
1.5	0.4	2412.4	0735.3	17.6	8.6	9.7	235	35,000
5.0	1.5	2408.9	0734.2	17.3	8.6	9.8	235	30,000
10.0	3.0	2403.9	0732.7	17.0	8.6	10.0	235	27,000
15.0	4.5	2398.9	0731.1	16.9	8.6	10.0	235	27,000
20.0	6.0	2393.9	0729.6	16.3	8.6	9.8	235	24,000
25.0	7.6	2388.9	0728.1	16.0	8.5	9.8	235	24,000
30.0	9.1	2383.9	0726.6	16.0	8.5	9.9	235	24,000
35.0	10.6	2378.9	0725.0	15.7	8.5	9.9	230	24,000
40.0	12.1	2373.9	0723.5	15.3	8.5	10.0	230	24,000
45.0	13.7	2368.9	0722.0	15.0	8.4	10.0	230	24,000
50.0	15.2	2363.9	0720.5	14.2	8.4	9.9	230	23,000
55.0	16.7	2358.9	0718.9	13.9	8.3	9.8	225	23,000
60.0	18.2	2353.9	0717.4	12.3	8.2	9.8	230	28,000
70.0	21.3	2343.9	0714.4	11.5	8.3	9.8	235	32,000
80.0	24.3	2333.9	0711.3	10.7	8.3	9.8	240	32,000
90.0	27.4	2323.9	0708.3	10.2	8.3	9.9	250	32,000
100.0	30.4	2313.9	0705.2	9.8	8.3	9.9	250	32,000
110.0	33.5	2303.9	0702.2	8.8	8.3	10.3	250	33,000
120.0	36.5	2293.9	0699.1	7.9	8.3	10.4	250	33,000
130.0	39.6	2283.9	0696.1	6.9	8.3	10.9	240	37,000
145.0	44.1	2268.9	0691.5	6.2	8.2	10.9	235	39,000
160.0	48.7	2253.9	0686.9	5.8	8.2	10.8	235	39,000
175.0	53.3	2238.9	0682.4	5.3	8.1	10.7	240	39,000
190.0	57.9	2223.9	0677.8	5.2	8.0	10.6	235	39,000
205.0	62.4	2208.9	0673.2	5.0	8.0	10.4	235	37,000
220.0	67.0	2193.9	0668.7	5.0	8.0	10.3	235	33,000
235.0	71.6	2178.9	0664.1	5.0	8.0	10.2	235	35,000
250.0	76.2	2163.9	0659.5	5.0	8.0	10.0	235	37,000
262.0	79.8	2151.9	0655.9	5.0	7.9	9.6	235	35,000
272.0	82.9	2141.9	0652.8	5.0	7.9	9.4	235	35,000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 27 JUL 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2411.4	0735.0	20.0	8.7	9.6	235	
1.5	0.4	2410.0	0734.5	19.8	8.7	9.6	235	33.000
3.0	0.9	2408.5	0734.1	19.4	8.7	9.7	230	33.000
5.0	1.5	2406.5	0733.5	19.2	8.7	9.7	235	30.000
10.0	3.0	2401.5	0731.9	19.0	8.7	9.8	235	30.000
15.0	4.5	2396.5	0730.4	18.4	8.7	10.0	230	20.000
20.0	6.0	2391.5	0728.9	18.2	8.7	10.0	230	18.000
25.0	7.6	2386.5	0727.4	17.8	8.7	10.0	225	18.000
30.0	9.1	2381.5	0725.8	17.2	8.7	9.9	230	19.000
35.0	10.6	2376.5	0724.3	17.0	8.6	9.6	230	21.000
40.0	12.1	2371.5	0722.8	16.6	8.5	9.4	225	28.000
45.0	13.7	2366.5	0721.3	16.2	8.5	0.2	230	33.000
50.0	15.2	2361.5	0719.7	15.2	8.3	9.0	235	39.000
60.0	18.2	2351.5	0716.7	14.0	8.2	8.8	225	43.000
70.0	21.3	2341.5	0713.7	12.4	8.1	9.0	230	45.000
80.0	24.3	2331.5	0710.6	11.0	8.2	9.4	245	45.000
90.0	27.4	2321.5	0707.6	10.2	8.2	9.7	250	48.000
100.0	30.4	2311.5	0704.5	9.6	8.2	9.8	250	48.000
110.0	33.5	2301.5	0701.5	9.0	8.2	10.0	255	48.000
120.0	36.5	2291.5	0698.4	7.8	8.3	10.2	250	45.000
135.0	41.1	2276.5	0693.8	6.8	8.3	10.7	245	45.000
150.0	45.7	2261.5	0689.3	6.2	8.2	10.5	245	48.000
165.0	50.2	2246.5	0684.7	5.0	8.2	10.4	245	50.000
180.0	54.8	2231.5	0680.1	5.2	8.1	10.0	200	
195.0	59.4	2216.5	0675.6	5.0	8.1	10.0	240	
210.0	64.0	2201.5	0671.0	5.0	8.1	9.9	240	
225.0	68.5	2186.5	0666.4	5.0	8.1	9.8	240	
240.0	73.1	2171.5	0661.8	5.0	8.0	9.6	240	
255.0	77.7	2156.5	0657.3	5.0	7.9	8.8	240	
265.0	80.7	2146.5	0654.2	5.0	7.8	8.6	240	

WATER QUALITY SAMPLING DATE: 16 AUG 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2410.0	0734.5	21.0	8.6		230	
1.5	0.4	2408.6	0734.1	21.0	8.6	8.3	230	33.000
3.0	0.9	2407.1	0733.7	21.0	8.5		230	33.000
5.0	1.5	2405.1	0733.0	20.9	8.5		230	33.000
10.0	3.0	2400.1	0731.5	20.9	8.5	8.3	230	33.000
15.0	4.5	2395.1	0730.0	20.9	8.5		230	32.000
20.0	6.0	2390.1	0728.5	20.7	8.5		230	32.000
25.0	7.6	2385.1	0726.9	20.7	8.6		230	30.000
30.0	9.1	2380.1	0725.4	20.5	8.6		230	30.000
35.0	10.6	2375.1	0723.9	20.5	8.6	8.6	230	28.000
40.0	12.1	2370.1	0722.4	20.2	8.6		230	27.000
45.0	13.7	2365.1	0720.9	20.0	8.5		230	25.000
50.0	15.2	2360.1	0719.3	18.6	8.5	8.7	230	25.000
55.0	16.7	2355.1	0717.8	17.5	8.4		230	25.000
60.0	18.2	2350.1	0716.3	15.1	8.1		225	27.000
70.0	21.3	2340.1	0713.2	13.0	7.9		225	41.000
80.0	24.3	2330.1	0710.2	12.0	8.0	8.0	235	45.000
90.0	27.4	2320.1	0707.1	10.5	8.1		245	50.000
100.0	30.4	2310.1	0704.1	9.8	8.2	9.2	250	50.000
110.0	33.5	2300.1	0701.0	9.0	8.2		250	50.000
120.0	36.5	2290.1	0698.0	8.3	8.2		250	50.000
130.0	39.6	2280.1	0694.9	7.2	8.2		245	50.000
140.0	42.6	2270.1	0691.9	6.7	8.2	9.6	240	52.000
155.0	47.2	2255.1	0687.3	5.9	8.1		240	52.000
170.0	51.8	2240.1	0682.8	5.6	8.0		240	52.000
185.0	56.3	2225.1	0678.2	5.3	8.0		240	52.000
200.0	60.9	2210.1	0673.6	5.2	8.0	8.7	240	52.000
215.0	65.5	2195.1	0669.0	5.1	8.0		240	50.000
230.0	70.1	2180.1	0664.5	5.1	7.9		240	50.000
245.0	74.6	2165.1	0659.9	5.1	7.9		240	45.000
258.0	78.6	2152.1	0655.9	5.1	7.8	8.7	240	45.000
268.0	81.6	2142.1	0652.9	5.1	7.8		240	45.000



TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 31 AUG 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2410.1	0734.6	17.4	8.5	8.5	230	
1.5	0.4	2408.7	0734.1	17.4	8.5	8.6	230	41,000
3.0	0.9	2407.2	0733.7	17.4	8.5	8.6	230	41,000
5.0	1.5	2405.2	0733.1	17.4	8.5	8.6	230	41,000
10.0	3.0	2400.2	0731.5	17.4	8.5	8.5	230	41,000
15.0	4.5	2395.2	0730.0	17.2	8.5	8.5	230	41,000
20.0	6.0	2390.2	0728.5	17.2	8.5	8.5	230	43,000
25.0	7.6	2385.2	0727.0	17.2	8.5	8.4	230	43,000
30.0	9.1	2380.2	0725.5	17.2	8.4	8.4	230	43,000
35.0	10.6	2375.2	0723.9	17.0	8.3	8.2	230	43,000
40.0	12.1	2370.2	0722.4	16.8	8.2	7.8	230	41,000
45.0	13.7	2365.2	0720.9	16.4	8.2	7.7	235	41,000
50.0	15.2	2360.2	0719.4	16.2	8.2	7.7	230	41,000
55.0	16.7	2355.2	0717.8	15.8	8.1	7.7	230	41,000
60.0	18.2	2350.2	0716.3	15.0	8.0	7.6	230	43,000
70.0	21.3	2340.2	0713.3	14.0	7.9	7.7	225	45,000
80.0	24.3	2330.2	0710.2	12.8	7.9	8.0	230	43,000
90.0	27.4	2320.2	0707.2	11.2	8.0	8.8	245	48,000
100.0	30.4	2310.2	0704.1	10.2	8.1	9.2	250	41,000
110.0	33.5	2300.2	0701.1	9.4	8.1	9.5	250	45,000
125.0	38.1	2285.2	0696.5	8.6	8.2	9.9	250	45,000
140.0	42.6	2270.2	0691.9	7.8	8.2	10.0	250	50,000
155.0	47.2	2255.2	0687.4	6.8	8.1	10.0	245	50,000
170.0	51.8	2240.2	0682.8	6.0	8.0	9.8	250	50,000
185.0	56.3	2225.2	0678.2	5.6	8.0	9.7	245	48,000
200.0	60.9	2210.2	0673.6	5.4	8.0	9.6	240	45,000
215.0	65.5	2195.2	0669.1	5.2	7.9	9.5	240	43,000
230.0	70.1	2180.2	0664.5	5.2	7.9	9.4	240	41,000
245.0	74.6	2165.2	0659.9	5.2	7.8	9.2	240	37,000
260.0	79.2	2150.2	0655.3	5.2	7.8	8.8	240	24,000
270.0	82.2	2140.2	0652.3	5.2	7.8	8.8	240	17,000

WATER QUALITY SAMPLING DATE: 30 SEP 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2411.4	0735.0	15.0	8.6	8.8	235	
1.5	0.4	2410.0	0734.5	15.0	8.6	8.8	235	55,000
3.0	0.9	2408.5	0734.1	15.0	8.6	8.8	235	55,000
5.0	1.5	2406.5	0733.5	15.0	8.6	8.8	235	55,000
10.0	3.0	2401.5	0731.9	15.0	8.6	8.8	235	55,000
15.0	4.5	2396.5	0730.4	15.0	8.6	8.8	235	55,000
20.0	6.0	2391.5	0728.9	15.0	8.6	8.8	235	55,000
25.0	7.6	2386.5	0727.4	15.0	8.6	8.8	235	55,000
30.0	9.1	2381.5	0725.8	15.0	8.6	8.8	235	55,000
35.0	10.6	2376.5	0724.3	15.0	8.6	8.8	235	55,000
40.0	12.1	2371.5	0722.8	15.0	8.6	8.8	235	55,000
45.0	13.7	2366.5	0721.3	15.0	8.6	8.8	235	55,000
50.0	15.2	2361.5	0719.7	15.0	8.6	8.7	235	55,000
55.0	16.7	2356.5	0718.2	15.0	8.6	8.7	235	55,000
60.0	18.2	2351.5	0716.7	15.0	8.6	8.7	230	55,000
70.0	21.3	2341.5	0713.6	14.8	8.5	8.7	230	55,000
80.0	24.3	2331.5	0710.6	14.0	8.6	7.8	230	52,000
90.0	27.4	2321.5	0707.6	11.4	8.0	8.3	240	52,000
100.0	30.4	2311.5	0704.5	9.8	8.1	9.0	250	60,000
110.0	33.5	2301.5	0701.5	9.2	8.2	9.2	255	60,000
125.0	38.1	2286.5	0696.9	8.6	8.2	9.4	255	45,000
140.0	42.6	2271.5	0692.3	7.8	8.2	9.7	250	23,000
155.0	47.2	2256.5	0687.7	6.8	8.2	9.6	245	37,000
170.0	51.8	2241.5	0683.2	6.2	0.1	9.4	250	33,000
185.0	56.3	2226.5	0678.6	5.8	8.1	9.2	245	35,000
200.0	60.9	2211.5	0674.0	5.6	8.0	9.1	240	30,000
215.0	65.5	2196.5	0669.5	5.2	8.0	9.0	240	33,000
230.0	70.1	2181.5	0664.9	5.2	8.0	8.8	240	41,000
245.0	74.6	2166.5	0660.3	5.2	8.0	8.7	240	41,000
260.0	79.2	2151.5	0655.7	5.2	7.8	8.0	240	33,000
270.0	82.2	2141.5	0652.7	5.2	7.8	7.6	250	17,000

TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 12 OCT 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2407.7	0733.8	13.3	8.5	8.8	235	
1.5	0.4	2406.3	0733.4	13.3	8.5	8.8	235	45.000
3.0	0.9	2404.8	0733.0	13.3	8.5	8.8	235	45.000
5.0	1.5	2402.8	0732.3	13.3	8.5	8.8	235	45.000
10.0	3.0	2397.8	0730.8	13.3	8.5	8.8	235	45.000
15.0	4.5	2392.8	0729.3	13.3	8.5	8.8	235	45.000
20.0	6.0	2387.8	0727.8	13.3	8.5	8.8	235	45.000
25.0	7.6	2382.8	0726.2	13.3	8.5	8.8	235	45.000
30.0	9.1	2377.8	0724.7	13.3	8.5	8.8	235	45.000
35.0	10.6	2372.8	0723.2	13.3	8.5	8.8	235	45.000
40.0	12.1	2367.8	0721.7	13.3	8.5	8.8	235	45.000
45.0	13.7	2362.8	0720.2	13.3	8.5	8.8	235	45.000
50.0	15.2	2357.8	0718.6	13.3	8.5	8.8	235	45.000
55.0	16.7	2352.8	0717.1	13.3	8.5	8.8	235	45.000
60.0	18.2	2347.8	0715.6	13.3	8.5	8.8	235	45.000
65.0	19.8	2342.8	0714.1	13.3	8.5	8.7	235	45.000
70.0	21.3	2337.8	0712.5	12.7	8.0	7.7	230	45.000
80.0	24.3	2327.8	0709.5	11.7	8.0	7.9	235	41.000
90.0	27.0	2317.8	0706.8	10.8	8.1	8.3	245	32.000
100.0	30.0	2302.8	0701.9	9.9	8.2	8.8	250	43.000
120.0	36.5	2287.8	0697.3	9.2	8.2	9.0	255	43.000
135.0	41.1	2272.8	0692.7	8.5	8.2	9.0	250	45.000
150.0	45.7	2257.8	0688.1	7.8	8.2	9.2	250	41.000
165.0	50.2	2242.8	0683.6	6.8	8.2	9.2	245	41.000
180.0	54.8	2227.8	0679.0	6.1	8.1	9.0	250	25.000
195.0	59.4	2212.8	0674.4	5.6	8.0	8.9	245	25.000
210.0	64.0	2197.8	0669.9	5.4	8.0	8.8	245	25.000
225.0	68.5	2182.8	0665.3	5.3	8.0	8.6	245	17.000
240.0	73.1	2167.8	0660.7	5.3	7.9	8.3	245	19.000
255.0	77.7	2152.8	0656.1	5.3	7.8	7.7	245	1.300
265.0	80.7	2142.8	0653.1	5.5	7.9	7.7	245	0.460

WATER QUALITY SAMPLING DATE: 26 OCT 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2402.3	0732.2	12.0	8.4	9.0	235	
1.5	0.4	2400.9	0731.8	12.0	8.4	9.0	235	55.000
5.0	1.5	2397.4	0730.7	12.0	8.4	9.0	235	52.000
10.0	3.0	2392.4	0729.2	12.0	8.4	9.0	235	52.000
15.0	4.5	2387.4	0727.6	12.0	8.4	9.0	235	52.000
20.0	6.0	2382.4	0726.1	12.0	8.4	9.0	235	52.000
25.0	7.6	2377.4	0724.6	12.0	8.4	9.0	235	52.000
30.0	9.1	2372.4	0723.1	12.0	8.4	9.0	235	52.000
35.0	10.6	2367.4	0721.6	12.0	8.4	9.0	235	52.000
40.0	12.1	2362.4	0720.0	12.0	8.4	9.0	235	52.000
45.0	13.7	2357.4	0718.5	12.0	8.4	9.0	235	52.000
50.0	15.2	2352.4	0717.0	12.0	8.4	8.9	235	55.000
55.0	16.7	2347.4	0715.5	11.6	8.2	8.0	240	45.000
60.0	18.2	2342.4	0713.9	11.2	8.1	7.8	245	45.000
70.0	21.3	2332.4	0710.9	11.0	8.1	7.7	245	39.000
80.0	24.3	2322.4	0707.8	11.0	8.0	7.7	245	33.000
90.0	27.0	2312.4	0704.8	10.6	8.0	7.8	245	33.000
100.0	30.0	2302.4	0701.7	10.4	8.0	7.8	245	32.000
110.0	33.5	2292.4	0698.7	10.0	8.0	8.1	240	33.000
120.0	36.5	2282.4	0695.6	9.6	8.0	8.3	245	33.000
135.0	41.1	2267.4	0691.1	8.8	8.0	8.6	245	35.000
150.0	45.7	2252.4	0686.5	8.0	8.0	8.8	250	33.000
165.0	50.2	2237.4	0681.9	7.2	8.0	8.8	255	27.000
180.0	54.8	2222.4	0677.4	6.8	8.0	8.6	245	23.000
195.0	59.4	2207.4	0672.8	5.8	7.9	8.4	245	33.000
210.0	64.0	2192.4	0668.2	5.8	7.9	8.4	245	33.000
225.0	68.5	2177.4	0663.6	5.6	7.9	8.3	245	27.000
240.0	73.1	2162.4	0659.1	5.6	7.9	8.2	245	11.000
250.0	77.7	2147.4	0654.5	5.6	7.9	7.8	245	6.300
260.0	80.8	2137.4	0651.8	5.8	7.9	7.9	245	0.050

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOPFRAY

WATER QUALITY SAMPLING DATE: 09 MAY 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2357.4	0718.5	7.7	8.5	12.2		
1.5	0.4	2356.0	0718.1	7.5	8.5	12.2	272	11.000
5.0	1.5	2352.5	0717.0	7.4	8.5	12.2		11.000
10.0	3.0	2347.5	0715.5	7.0	8.4	12.2	272	9.200
15.0	4.5	2342.5	0714.0	7.0	8.4	12.1		8.500
20.0	6.0	2337.5	0712.4	6.7	8.4	11.9		7.900
25.0	7.6	2332.5	0710.9	6.7	8.4	11.8		7.900
30.0	9.1	2327.5	0709.4	6.4	8.3	11.7		7.900
35.0	10.6	2322.5	0707.9	6.3	8.3	11.6		7.900
40.0	12.1	2317.5	0706.3	6.1	8.3	11.5	272	7.900
50.0	15.2	2307.5	0703.3	6.0	8.3	11.5		9.800
60.0	18.2	2297.5	0700.2	5.5	8.2	11.4		9.800
70.0	21.3	2287.5	0697.2	5.8	8.2	11.3		11.000
80.0	24.3	2277.5	0694.2	5.8	8.2	11.1		12.000
90.0	27.4	2267.5	0691.1	5.7	8.1	11.0		17.000
100.0	30.4	2257.5	0688.1	5.3	8.1	10.8		20.000
110.0	33.5	2247.5	0685.0	5.2	8.1	10.7		21.000
125.0	38.1	2232.5	0680.4	5.0	8.1	10.5		17.000
140.0	42.6	2217.5	0675.9	5.0	8.1	10.4		9.800
155.0	47.2	2202.5	0671.3	4.9	8.1	10.3		7.900
170.0	51.8	2187.5	0666.7	4.9	8.1	10.1		4.900
185.0	56.3	2172.5	0662.1	4.9	8.1	10.1		2.600
200.0	60.9	2157.5	0657.6	4.9	8.1	10.0		2.600
214.0	65.2	2143.5	0653.3	4.9	8.1	9.9	300	0.810
224.0	68.2	2133.5	0650.3	4.9	8.0	9.9		0.390

WATER QUALITY SAMPLING DATE: 26 MAY 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2388.2	0727.9	8.6	8.5	11.3	270	
1.5	0.4	2386.8	0727.5	8.6	8.5	11.3	270	11.000
3.0	0.9	2385.3	0727.0	8.6	8.5	11.3	270	11.000
5.0	1.5	2383.3	0726.4	8.4	8.5	11.3	270	11.000
10.0	3.0	2378.3	0724.9	8.2	8.4	11.3	270	9.800
15.0	4.5	2373.3	0723.3	8.2	8.4	11.2	270	9.800
20.0	6.0	2368.3	0721.8	8.0	8.4	11.2	270	11.000
25.0	7.6	2363.3	0720.3	8.0	8.4	11.2	270	11.000
30.0	9.1	2358.3	0718.8	8.0	8.3	11.2	270	14.000
35.0	10.6	2353.3	0717.3	8.0	8.3	11.2	270	15.000
40.0	12.1	2348.3	0715.7	8.0	8.3	11.2	270	14.000
45.0	13.7	2343.3	0714.2	8.0	8.3	11.2	270	15.000
50.0	15.2	2338.3	0712.7	7.8	8.3	11.4	270	16.000
60.0	18.2	2328.3	0709.6	7.2	8.3	11.4	270	20.000
70.0	21.3	2318.3	0706.6	7.0	8.3	11.4	270	21.000
80.0	24.3	2308.3	0703.5	6.6	8.3	11.2	265	21.000
90.0	27.4	2298.3	0700.5	5.2	8.2	11.4	265	21.000
100.0	30.4	2288.3	0697.4	4.8	8.2	11.4	265	24.000
110.0	33.5	2278.3	0694.4	4.6	8.2	11.0	265	24.000
125.0	38.1	2263.3	0689.8	4.2	8.2	11.4	265	25.000
140.0	42.6	2248.3	0685.2	4.2	8.2	11.4	265	21.000
155.0	47.2	2233.3	0680.7	4.2	8.1	11.4	275	20.000
170.0	51.8	2218.3	0676.1	4.2	8.1	11.4	275	17.000
185.0	56.3	2203.3	0671.5	4.2	8.1	11.4	275	15.000
200.0	60.9	2188.3	0667.0	4.2	8.1	11.6	280	11.000
215.0	65.5	2173.3	0662.4	4.2	8.1	11.6	280	11.000
230.0	70.1	2158.3	0657.8	4.2	8.1	11.6	280	8.500
245.0	74.6	2143.3	0653.2	4.2	8.1	11.6	280	4.500
255.0	77.7	2133.3	0650.2	4.2	8.1	11.8	280	3.400

TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 14 JUN 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2422.4	0738.3	13.6	8.6	10.9	255	
1.5	0.4	2421.0	0737.9	13.2	8.6	10.9	255	11.000
3.0	0.9	2419.5	0737.4	13.0	8.6	10.9	255	9.500
5.0	1.5	2417.5	0736.8	12.9	8.6	10.9	255	8.500
10.0	3.0	2412.5	0735.3	12.5	8.6	10.9	260	7.300
15.0	4.5	2407.5	0733.8	12.2	8.6	10.9	255	6.800
20.0	6.0	2402.5	0732.2	12.2	8.6	10.9	255	6.800
25.0	7.6	2397.5	0730.7	12.1	8.6	10.9	255	6.800
30.0	9.1	2392.5	0729.2	11.8	8.6	10.9	255	6.300
35.0	10.6	2387.5	0727.7	11.2	8.5	10.9	260	6.300
40.0	12.1	2382.5	0726.1	11.0	8.5	10.9	250	8.900
50.0	15.2	2372.5	0723.1	10.7	8.5	10.9	255	9.200
60.0	18.2	2362.5	0720.1	9.9	8.4	10.9	250	16.000
70.0	21.3	2352.5	0717.0	9.4	8.3	10.9	245	20.000
80.0	24.3	2342.5	0714.0	9.0	8.3	10.9	245	20.000
90.0	27.4	2332.5	0710.9	8.5	8.3	11.0	250	21.000
100.0	30.4	2322.5	0707.9	8.0	8.3	11.1	255	23.000
110.0	33.5	2312.5	0704.8	7.3	8.3	11.3	260	24.000
120.0	36.5	2302.5	0701.8	6.8	8.3	11.5	260	28.000
130.0	39.6	2292.5	0698.7	5.6	8.3	11.6	260	28.000
145.0	44.1	2277.5	0694.1	4.6	8.2	11.6	265	33.000
160.0	48.7	2262.5	0689.6	4.3	8.2	11.5	265	28.000
175.0	53.3	2247.5	0685.0	4.3	8.2	11.5	270	28.000
190.0	57.9	2232.5	0680.4	4.3	8.2	11.4	270	28.000
205.0	62.4	2217.5	0675.9	4.3	8.1	11.4	270	24.000
220.0	67.0	2202.5	0671.3	4.3	8.1	11.4	270	20.000
235.0	71.6	2187.5	0666.7	4.3	8.1	11.3	270	19.000
250.0	76.2	2172.5	0662.1	4.3	8.1	11.3	270	19.000
265.0	80.7	2157.5	0657.6	4.3	8.1	11.3	270	18.000
277.0	84.4	2145.5	0653.9	4.3	8.1	11.3	270	17.000
287.0	87.4	2135.5	0650.9	4.3	8.1	11.3	280	11.000

WATER QUALITY SAMPLING DATE: 28 JUN 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2440.7	0743.9	16.9	8.5	9.7	230	
1.5	0.4	2439.3	0743.5	16.8	8.5	9.7	230	19.000
3.0	0.9	2437.8	0743.0	16.5	8.5	9.7	235	19.000
5.0	1.5	2435.8	0742.4	16.1	8.5	9.8	235	20.000
10.0	3.0	2430.8	0740.9	14.2	8.5	10.0	225	23.000
15.0	4.5	2425.8	0739.3	12.4	8.5	10.1	220	16.000
20.0	6.0	2420.8	0737.8	12.0	8.4	10.1	220	11.000
25.0	7.6	2415.8	0736.3	11.7	8.4	10.2	215	11.000
30.0	9.1	2410.8	0734.8	11.2	8.4	10.2	220	7.900
35.0	10.6	2405.8	0733.2	11.1	8.4	10.2	220	6.800
40.0	12.1	2400.8	0731.7	11.0	8.4	10.3	225	6.800
50.0	15.2	2390.8	0728.7	10.7	8.4	10.4	235	12.000
60.0	18.2	2380.8	0725.6	10.3	8.4	10.5	235	12.000
70.0	21.3	2370.8	0722.6	10.0	8.3	10.6	235	19.000
80.0	24.3	2360.8	0719.5	9.8	8.3	10.6	235	19.000
90.0	27.4	2350.8	0716.5	9.6	8.3	10.7	235	18.000
100.0	30.4	2340.8	0713.4	9.1	8.2	10.7	240	20.000
110.0	33.5	2330.8	0710.4	8.8	8.2	10.8	240	20.000
120.0	36.5	2320.8	0707.3	8.4	8.2	10.9	240	20.000
130.0	39.6	2310.8	0704.3	8.2	8.2	11.0	250	23.000
140.0	42.6	2300.8	0701.2	7.7	8.2	11.2	260	21.000
150.0	45.7	2290.8	0698.2	6.9	8.2	11.4	260	24.000
160.0	48.7	2280.8	0695.1	6.3	8.2	11.5	265	32.000
170.0	51.8	2270.8	0692.1	5.3	8.2	11.6	260	37.000
185.0	56.3	2255.8	0687.5	4.8	8.2	11.5	265	39.000
200.0	60.0	2240.8	0682.9	4.6	8.1	11.5	265	39.000
215.0	65.5	2225.8	0678.4	4.5	8.1	11.3	270	33.000
230.0	70.1	2210.8	0673.8	4.4	8.1	11.2	270	27.000
245.0	74.6	2195.8	0669.2	4.4	8.0	11.2	270	25.000
260.0	79.2	2180.8	0664.7	4.4	8.0	11.2	270	24.000
275.0	83.8	2165.8	0660.1	4.4	8.0	11.2	270	20.000
280.0	85.3	2160.8	0658.6	4.4	8.0	11.2	270	16.000
300.0	91.4	2140.8	0652.5	4.4	8.0	11.2	270	12.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 12 JUL 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2452.0	0747.3	14.5	8.3	9.0	215	
1.5	0.4	2450.6	0746.9	14.2	8.3	9.2	220	35.000
3.0	0.9	2449.1	0746.5	14.2	8.3	9.2	220	32.000
5.0	1.5	2447.1	0745.8	14.0	8.3	9.2	220	32.000
10.0	3.0	2442.1	0744.3	14.0	8.3	9.2	220	30.000
15.0	4.5	2437.1	0742.8	13.5	8.3	9.2	215	28.000
20.0	6.0	2432.1	0741.3	13.2	8.3	9.3	215	28.000
25.0	7.6	2427.1	0739.7	13.0	8.3	9.3	215	25.000
30.0	9.1	2422.1	0738.2	12.8	8.3	9.3	210	24.000
35.0	10.6	2417.1	0736.7	12.6	8.3	9.4	210	21.000
40.0	12.1	2412.1	0735.2	12.5	8.3	9.4	210	20.000
45.0	13.7	2407.1	0733.7	12.2	8.3	9.4	215	20.000
50.0	15.2	2402.1	0732.1	11.8	8.3	9.5	210	18.000
60.0	18.2	2392.1	0729.1	11.6	8.3	9.6	210	16.000
70.0	21.3	2382.1	0726.0	11.2	8.2	9.7	210	16.000
80.0	24.3	2372.1	0723.0	11.0	8.2	9.8	210	12.000
90.0	27.4	2362.1	0719.9	10.4	8.2	10.0	220	9.800
100.0	30.4	2352.1	0716.9	10.2	8.2	10.2	230	12.000
110.0	33.5	2342.1	0713.8	9.6	8.2	10.3	230	11.000
120.0	36.5	2332.1	0710.8	8.8	8.1	10.4	240	16.000
130.0	39.6	2322.1	0707.7	8.0	8.1	10.7	250	23.000
140.0	42.6	2312.1	0704.7	7.2	8.1	11.0	260	27.000
155.0	47.2	2297.1	0700.1	6.2	8.1	11.2	265	33.000
170.0	51.8	2282.1	0695.6	5.7	8.1	11.3	260	39.000
185.0	56.3	2267.1	0691.0	5.0	8.1	11.3	265	39.000
200.0	60.9	2252.1	0686.4	4.8	8.0	11.1	265	35.000
215.0	65.5	2237.1	0681.8	4.7	8.0	11.0	270	28.000
230.0	70.1	2222.1	0677.3	4.5	8.0	10.9	270	30.000
245.0	74.6	2207.1	0672.7	4.5	7.9	10.9	270	27.000
260.0	79.2	2192.1	0668.1	4.5	7.9	10.7	270	25.000
275.0	83.8	2177.1	0663.5	4.5	7.9	10.7	270	24.000
290.0	88.3	2162.1	0659.0	4.5	7.9	10.5	270	23.000
305.0	92.9	2147.1	0654.4	4.5	7.9	10.3	270	17.000
315.0	96.0	2137.1	0651.4	4.5	7.9	10.4	270	13.000

WATER QUALITY SAMPLING DATE: 26 JUL 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2457.9	0749.1	20.0	8.6	9.2	225	
1.5	0.4	2456.5	0748.7	19.5	8.6	9.4	220	43.000
3.0	0.9	2455.0	0748.3	18.0	8.6	9.4	215	32.000
5.0	1.5	2453.0	0747.6	17.5	8.6	9.5	215	24.000
10.0	3.0	2448.0	0746.1	17.0	8.6	9.3	215	27.000
15.0	4.5	2443.0	0744.6	16.0	8.5	9.0	210	27.000
20.0	6.0	2438.0	0743.1	16.0	8.4	9.2	210	27.000
25.0	7.6	2433.0	0741.6	15.5	8.4	9.2	205	28.000
30.0	9.1	2428.0	0740.0	14.0	8.3	9.3	205	28.000
35.0	10.6	2423.0	0738.5	13.5	8.3	9.4	200	28.000
40.0	12.1	2418.0	0737.0	13.0	8.2	9.4	200	27.000
45.0	13.7	2413.0	0735.5	13.0	8.3	9.5	200	25.000
50.0	15.2	2408.0	0733.9	12.5	8.3	9.6	205	24.000
60.0	18.2	2398.0	0730.9	12.0	8.3	9.6	210	21.000
70.0	21.3	2388.0	0727.8	11.5	8.3	9.7	210	20.000
80.0	24.3	2378.0	0724.8	11.0	8.3	9.8	210	19.000
90.0	27.4	2368.0	0721.7	10.5	8.3	9.9	215	15.000
100.0	30.4	2358.0	0718.7	10.0	8.3	10.0	220	13.000
110.0	33.5	2348.0	0715.6	9.5	8.3	10.0	230	13.000
120.0	36.5	2338.0	0712.6	9.0	8.2	10.2	240	16.000
130.0	39.6	2328.0	0709.5	8.5	8.2	10.4	240	18.000
140.0	42.6	2318.0	0706.5	7.8	8.2	10.5	250	21.000
150.0	45.7	2308.0	0703.5	7.5	8.2	10.7	260	27.000
160.0	48.7	2298.0	0700.4	6.5	8.2	10.9	265	27.000
175.0	53.3	2283.0	0695.8	5.5	8.2	11.1	260	32.000
190.0	57.9	2268.0	0691.3	5.0	8.2	11.0	270	33.000
205.0	62.4	2253.0	0686.7	4.7	8.1	10.9	270	32.000
220.0	67.0	2238.0	0682.1	4.5	8.0	10.8	270	23.000
235.0	71.6	2223.0	0677.5	4.5	8.0	10.8	270	25.000
250.0	76.2	2208.0	0673.0	4.5	8.0	10.7	270	27.000
265.0	80.7	2193.0	0668.4	4.5	8.0	10.5	270	27.000
280.0	85.3	2178.0	0663.8	4.5	8.0	10.4	270	25.000
295.0	89.9	2163.0	0659.3	4.5	8.0	10.3	270	24.000
308.0	93.8	2150.0	0655.3	4.5	8.1	10.1	270	19.000
318.0	96.9	2140.0	0652.2	4.5	7.9	10.1	270	11.000

TABLE 13. STATION NO. 12301919, LAKE KOOCHANUSA AT FOREBAY

WATER QUALITY SAMPLING DATE: 09 AUG 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2458.4	0749.3	22.9	8.6	9.0	215	
1.5	0.4	2457.0	0748.8	22.8	8.6	9.1	215	33.000
3.0	0.9	2455.5	0748.4	22.3	8.6	9.1	210	30.000
5.0	1.5	2453.5	0747.8	22.2	8.6	8.9	215	28.000
10.0	3.0	2448.5	0746.3	22.0	8.6	8.9	215	27.000
15.0	4.5	2443.5	0744.7	20.1	8.7	9.2	210	23.000
20.0	6.0	2438.5	0743.2	19.0	8.7	9.2	210	20.000
25.0	7.6	2433.5	0741.7	18.5	8.7	9.3	205	20.000
30.0	9.1	2428.5	0740.2	16.8	8.5	9.2	205	19.000
35.0	10.6	2423.5	0738.6	15.3	8.3	8.9	205	27.000
40.0	12.1	2418.5	0737.1	14.3	8.2	8.9	200	35.000
45.0	13.7	2413.5	0735.6	13.9	8.2	9.1	200	41.000
50.0	15.2	2408.5	0734.1	13.3	8.2	9.2	195	37.000
55.0	16.7	2403.5	0732.5	13.2	8.2	9.3	200	37.000
60.0	18.2	2398.5	0731.0	13.0	8.2	9.3	200	33.000
70.0	21.3	2388.5	0728.0	12.3	8.2	9.3	200	32.000
80.0	24.3	2378.5	0724.9	12.0	8.2	9.3	200	25.000
90.0	27.4	2368.5	0721.9	11.4	8.2	9.4	205	24.000
100.0	30.4	2358.5	0718.8	10.9	8.2	9.6	205	24.000
115.0	35.0	2343.5	0714.2	9.9	8.1	10.0	220	18.000
130.0	39.6	2328.5	0709.7	9.1	8.1	10.1	235	20.000
145.0	44.1	2313.5	0705.1	8.5	8.0	10.3	240	23.000
160.0	48.7	2298.5	0700.5	8.0	8.0	10.3	245	27.000
175.0	53.3	2283.5	0696.0	7.3	8.0	10.6	250	30.000
190.0	57.9	2268.5	0691.4	6.5	8.0	10.8	255	35.000
205.0	62.4	2253.5	0686.8	5.8	8.0	10.8	260	35.000
220.0	67.0	2238.5	0682.2	5.2	8.0	10.7	265	30.000
235.0	71.6	2223.5	0677.7	5.0	8.0	10.6	265	28.000
250.0	76.2	2208.5	0673.1	4.8	7.9	10.5	265	27.000
265.0	80.7	2193.5	0668.5	4.8	7.9	10.4	265	27.000
280.0	85.3	2178.5	0664.0	4.6	7.9	10.3	270	27.000
295.0	89.9	2163.5	0659.4	4.6	7.9	10.2	270	23.000
310.0	94.4	2148.5	0654.8	4.6	7.9	10.2	270	19.000
320.0	97.5	2133.5	0651.8	4.8	7.9	10.2	270	18.000

WATER QUALITY SAMPLING DATE: 30 AUG 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2458.4	0749.3	18.0	8.6	9.2	210	
1.5	0.4	2457.0	0748.8	18.0	8.6	9.2	210	
3.0	0.9	2455.5	0748.4	18.0	8.6	9.2	210	45.000
5.0	1.5	2453.5	0747.8	18.0	8.6	9.2	210	41.000
10.0	3.0	2448.5	0746.3	17.8	8.6	9.2	210	41.000
15.0	4.5	2443.5	0744.7	17.8	8.6	9.1	205	41.000
20.0	6.0	2438.5	0743.2	17.3	8.6	9.1	205	39.000
25.0	7.6	2433.5	0741.7	17.1	8.6	8.8	205	39.000
30.0	9.1	2428.5	0740.2	16.9	8.6	8.7	205	37.000
35.0	10.6	2423.5	0738.7	16.8	8.6	8.6	200	37.000
40.0	12.1	2418.5	0737.1	16.6	8.5	8.6	205	37.000
45.0	13.7	2413.5	0735.6	16.0	8.7	8.6	205	37.000
50.0	15.2	2408.5	0734.1	14.8	8.0	8.6	205	43.000
55.0	16.7	2403.5	0732.6	14.2	8.0	8.8	200	43.000
60.0	18.2	2398.5	0731.0	14.0	8.0	8.8	200	43.000
65.0	19.8	2393.5	0729.5	13.2	7.8	8.3	190	45.000
70.0	21.3	2388.5	0728.0	12.7	7.8	8.4	195	48.000
80.0	24.3	2378.5	0724.9	12.1	7.8	8.4	190	48.000
90.0	27.4	2368.5	0721.9	11.5	7.8	8.5	195	45.000
100.0	30.4	2358.5	0718.8	10.9	7.8	8.6	200	41.000
110.0	33.5	2348.5	0715.8	10.2	7.8	8.8	200	37.000
120.0	36.5	2338.5	0712.7	9.6	7.8	9.0	215	32.000
130.0	39.6	2328.5	0709.7	8.8	7.8	9.0	225	32.000
145.0	44.1	2313.5	0705.1	7.9	7.8	9.2	235	32.000
160.0	48.7	2298.5	0700.6	7.2	7.8	9.5	245	37.000
175.0	53.3	2283.5	0696.0	6.4	7.9	9.6	250	39.000
190.0	57.9	2268.5	0691.4	5.4	7.7	9.8	255	43.000
205.0	62.4	2253.5	0686.8	5.0	7.7	9.8	255	39.000
220.0	67.0	2238.5	0682.2	4.8	7.7	9.8	255	35.000
235.0	71.6	2223.5	0677.7	4.8	7.7	9.8	255	30.000
250.0	76.2	2208.5	0673.1	4.7	7.7	9.9	260	30.000
265.0	80.7	2193.5	0668.6	4.7	7.7	9.9	260	30.000
280.0	85.3	2178.5	0664.0	4.7	7.7	10.0	260	30.000
295.0	89.9	2163.5	0659.4	4.7	7.7	10.1	265	30.000
310.0	94.4	2148.5	0654.8	4.7	7.7	10.2	265	30.000
320.0	97.5	2133.5	0651.8	4.7	7.7	10.4	265	30.000

TABLE 13. STATION NO. 12301919, LAKE KOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 13 SEP 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2457.5	0749.0	15.0	8.4	8.8	195	
1.5	0.4	2456.1	0748.6	15.0	8.4	8.8	195	41.000
3.0	0.9	2454.6	0748.1	15.0	8.4	8.8	195	41.000
5.0	1.5	2452.6	0747.5	15.0	8.4	8.8	195	41.000
10.0	3.0	2447.6	0746.0	15.0	8.4	8.8	195	41.000
15.0	4.5	2442.6	0744.5	15.0	8.4	8.6	195	41.000
20.0	6.0	2437.6	0742.9	15.0	8.4	8.4	195	41.000
25.0	7.6	2432.6	0741.4	14.8	8.4	8.3	195	41.000
30.0	9.1	2427.6	0739.9	14.5	8.3	8.2	200	45.000
35.0	10.6	2422.6	0738.4	14.0	8.2	8.2	200	50.000
40.0	12.1	2417.6	0736.8	13.9	8.0	8.2	200	50.000
45.0	13.7	2412.6	0735.3	13.5	8.0	8.2	195	52.000
50.0	15.2	2407.6	0733.8	13.2	7.9	8.2	190	52.000
55.0	16.7	2402.6	0732.3	12.9	7.9	8.4	190	50.000
60.0	18.2	2397.6	0730.7	12.7	7.8	8.6	185	52.000
70.0	21.3	2387.6	0727.7	11.9	7.8	8.9	180	52.000
85.0	25.9	2372.6	0723.1	11.0	7.8	9.1	185	52.000
100.0	30.4	2357.6	0718.5	10.2	7.8	9.2	195	45.000
115.0	35.0	2342.6	0714.0	9.5	7.8	9.3	205	37.000
130.0	39.6	2327.6	0709.4	8.8	7.8	9.5	210	37.000
145.0	44.1	2312.6	0704.8	7.9	7.8	9.6	225	37.000
160.0	48.7	2297.6	0700.3	7.3	7.8	9.8	230	37.000
175.0	53.3	2282.6	0695.7	6.8	7.8	9.9	240	37.000
190.0	57.9	2267.6	0691.1	5.9	7.8	10.0	245	37.000
205.0	62.4	2252.6	0686.5	5.2	7.8	9.9	250	37.000
220.0	67.0	2237.6	0682.0	4.8	7.8	9.9	250	37.000
235.0	71.6	2222.6	0677.4	4.6	7.8	9.8	250	37.000
250.0	76.2	2207.6	0672.8	4.5	7.8	9.7	250	37.000
265.0	80.7	2192.6	0668.3	4.4	7.8	9.7	250	37.000
280.0	85.3	2177.6	0663.7	4.4	7.8	9.7	250	37.000
295.0	89.9	2162.6	0659.1	4.4	7.8	9.7	250	33.000
307.0	93.5	2150.6	0655.5	4.4	7.8	9.7	260	33.000
317.0	96.6	2140.6	0652.4	4.8	7.6	9.7	255	30.000

WATER QUALITY SAMPLING DATE: 27 SEP 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2456.1	0748.6	15.0	8.5	9.0	210	
1.5	0.4	2454.7	0748.1	15.0	8.5	9.1	210	50.000
3.0	0.9	2453.2	0747.7	14.9	8.5	9.2	210	50.000
5.0	1.5	2451.2	0747.1	14.9	8.5	9.2	210	50.000
10.0	3.0	2446.2	0745.6	14.9	8.5	9.2	210	50.000
15.0	4.5	2441.2	0744.0	14.9	8.4	9.2	210	50.000
20.0	6.0	2436.2	0742.5	14.7	8.4	9.2	210	50.000
25.0	7.6	2431.2	0741.0	14.4	8.4	9.2	210	48.000
30.0	9.1	2426.2	0739.5	14.2	8.4	9.2	205	45.000
35.0	10.6	2421.2	0737.9	14.2	8.4	9.1	200	45.000
40.0	12.1	2416.2	0736.4	14.2	8.4	9.1	200	45.000
45.0	13.7	2411.2	0734.9	14.2	8.4	9.1	200	45.000
50.0	15.2	2406.2	0733.4	14.2	8.4	9.1	200	45.000
55.0	16.7	2401.2	0731.8	14.2	8.4	9.1	200	50.000
60.0	18.2	2396.2	0730.3	14.2	8.4	9.1	195	50.000
70.0	21.3	2386.2	0727.3	12.9	8.2	9.1	190	50.000
80.0	24.3	2376.2	0724.2	12.0	8.0	9.1	190	50.000
95.0	28.9	2361.2	0719.6	11.0	8.0	9.4	190	50.000
110.0	33.5	2346.2	0715.1	10.0	8.0	9.7	210	41.000
125.0	38.1	2331.2	0710.5	9.3	8.0	9.8	215	35.000
140.0	42.6	2316.2	0705.9	8.6	8.0	9.9	230	33.000
155.0	47.2	2301.2	0701.4	7.9	8.0	10.0	235	32.000
170.0	51.8	2286.2	0696.8	7.3	8.0	10.2	240	35.000
185.0	56.3	2271.2	0692.2	6.8	8.0	10.2	240	35.000
200.0	60.9	2256.2	0687.6	6.0	8.0	10.2	250	37.000
215.0	65.5	2241.2	0683.1	5.3	8.0	10.1	255	37.000
230.0	70.1	2226.2	0678.5	5.2	8.0	10.0	255	41.000
245.0	74.6	2211.2	0673.9	4.9	7.9	9.8	255	41.000
260.0	79.2	2196.2	0669.4	4.8	7.9	9.7	255	41.000
275.0	83.8	2181.2	0664.8	4.8	7.9	9.6	255	41.000
290.0	88.3	2166.2	0660.2	4.8	7.9	9.6	255	39.000
303.0	92.3	2153.2	0656.2	4.8	7.9	9.2	255	37.000
313.0	95.4	2143.2	0653.2	4.8	8.0	9.0	265	33.000

TABLE 13. STATION NO. 12301919, LAKE KOOCANUSA AT FORERAY

WATER QUALITY SAMPLING DATE: 12 OCT 7A

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2452.3	0747.4	13.0	8.4		200	
1.5	0.4	2450.9	0747.0	13.0	8.4	9.2	200	48.000
3.0	0.9	2449.4	0746.5	12.9	8.4	9.2	200	48.000
5.0	1.5	2447.4	0745.9	12.8	8.4	9.2	200	48.000
10.0	3.0	2442.4	0744.4	12.8	8.4	9.2	200	48.000
15.0	4.5	2437.4	0742.9	12.8	8.4	9.2	200	48.000
20.0	6.0	2432.4	0741.4	12.6	8.3	9.2	195	48.000
25.0	7.6	2427.4	0739.8	12.6	8.3	9.2	195	48.000
30.0	9.1	2422.4	0738.3	12.5	8.3	9.2	195	48.000
35.0	10.6	2417.4	0736.8	12.0	8.2	9.2	180	48.000
40.0	12.1	2412.4	0735.3	11.9	8.2	9.2	180	48.000
45.0	13.7	2407.4	0733.7	11.3	8.1	9.1	185	48.000
50.0	15.2	2402.4	0732.2	11.2	8.1	9.0	185	48.000
55.0	16.7	2397.4	0730.7	11.1	8.0	9.0	185	48.000
65.0	19.8	2387.4	0727.6	10.9	8.0	8.9	185	48.000
80.0	24.3	2372.4	0723.1	10.3	8.0	8.9	185	45.000
95.0	28.9	2357.4	0718.5	9.8	7.9	8.8	190	39.000
110.0	33.5	2342.4	0713.9	9.2	7.9	8.8	205	37.000
125.0	38.1	2327.4	0709.4	8.7	7.9	8.8	215	33.000
140.0	42.6	2312.4	0704.8	8.1	7.9	8.8	215	30.000
155.0	47.2	2297.4	0700.2	7.6	7.9	8.7	225	30.000
170.0	51.8	2282.4	0695.6	7.0	7.8	8.6	225	28.000
185.0	56.3	2267.4	0691.1	6.3	7.8	8.6	235	30.000
200.0	60.9	2252.4	0686.5	5.6	7.8	8.5	240	27.000
215.0	65.5	2237.4	0681.9	5.2	7.7	8.5	250	35.000
230.0	70.1	2222.4	0677.4	4.9	7.7	8.5	250	37.000
245.0	74.6	2207.4	0672.8	4.9	7.7	8.5	250	37.000
260.0	79.2	2192.4	0668.2	4.9	7.7	8.5	250	30.000
275.0	83.8	2177.4	0663.6	4.9	7.7	8.5	250	30.000
290.0	88.3	2162.4	0659.1	4.9	7.7	8.5	255	30.000
305.0	92.9	2147.4	0654.5	4.9	7.7	8.5	265	24.000
315.0	96.0	2137.4	0651.4	4.9	7.7	8.5	265	17.000

WATER QUALITY SAMPLING DATE: 25 OCT 7A

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2449.0	0746.7	11.8	8.4		195	
1.5	0.4	2448.5	0746.3	11.8	8.4	9.2	195	48.000
3.0	0.9	2447.0	0745.8	11.8	8.4	9.2	195	48.000
5.0	1.5	2445.0	0745.2	11.8	8.4	9.2	190	48.000
10.0	3.0	2440.0	0743.7	11.8	8.4	9.2	190	48.000
15.0	4.5	2435.0	0742.2	11.8	8.4	9.2	190	48.000
20.0	6.0	2430.0	0740.6	11.8	8.4	9.2	190	48.000
25.0	7.6	2425.0	0739.1	11.8	8.4	9.2	190	48.000
30.0	9.1	2420.0	0737.6	11.7	8.4	9.2	190	48.000
35.0	10.6	2415.0	0736.1	11.6	8.4	9.2	190	48.000
40.0	12.1	2410.0	0734.5	11.6	8.4	9.2	190	48.000
45.0	13.7	2405.0	0733.0	11.6	8.4	9.2	190	48.000
50.0	15.2	2400.0	0731.5	11.6	8.4	9.2	190	48.000
55.0	16.7	2395.0	0730.0	11.2	8.4	9.2	185	48.000
60.0	18.2	2390.0	0728.4	10.9	8.4	9.2	185	48.000
70.0	21.3	2380.0	0725.4	10.7	8.4	9.1	185	48.000
80.0	24.3	2370.0	0722.4	10.2	8.4	9.1	190	43.000
95.0	28.9	2355.0	0717.8	9.9	8.3	9.1	195	37.000
110.0	33.5	2340.0	0713.2	9.3	8.2	9.1	205	33.000
125.0	38.1	2325.0	0708.6	9.0	8.2	8.9	205	32.000
140.0	42.6	2310.0	0704.1	8.7	8.1	8.8	205	30.000
155.0	47.2	2295.0	0699.5	8.1	8.0	8.7	215	30.000
170.0	51.8	2280.0	0694.9	7.6	7.9	8.7	225	33.000
185.0	56.3	2265.0	0690.3	6.9	7.9	8.7	225	32.000
200.0	60.9	2250.0	0685.8	6.2	7.8	8.6	235	35.000
215.0	65.5	2235.0	0681.2	5.5	7.7	8.4	245	37.000
230.0	70.1	2220.0	0676.6	5.0	7.7	8.3	250	30.000
245.0	74.6	2205.0	0672.1	4.9	7.7	8.2	250	30.000
260.0	79.2	2190.0	0667.5	4.9	7.7	8.1	250	24.000
275.0	83.8	2175.0	0662.9	4.9	7.7	7.9	250	15.000
290.0	88.3	2160.0	0658.3	4.9	7.7	7.9	250	17.000
302.0	92.0	2148.0	0654.7	4.9	7.7	7.7	250	5.300
312.0	95.0	2138.0	0651.6	4.9	7.7	7.7	250	1.500



TABLE 14. STATION NO. 12311831, LAKE KOOCANUISA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 27 JUN 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	1.5	2381.1	1725.4	13.1		11.2		
3.2	1.1	2378.5	1724.9	13.1		11.2		
6.5	2.1	2375.2	1723.9	12.7		11.1		
9.8	3.1	2371.9	1722.9	12.5	7.5	9.8	195	
13.1	4.1	2368.6	1721.9	12.4		9.7		
19.6	6.1	2362.1	1719.9	12.1		9.6		
26.2	8.1	2355.5	1717.9	11.8		9.6		
32.8	11.1	2349.1	1715.9	11.5		9.5		
39.3	12.1	2342.4	1713.9	11.1		9.6		
45.9	14.1	2335.8	1711.9	11.7		9.6		
52.4	16.1	2329.3	1719.9	11.4		9.6		
59.1	18.1	2322.7	1717.9	11.2		9.7		
65.6	21.1	2316.2	1715.9	11.1		9.7		
78.7	24.1	2313.1	1711.9	11.1		9.7		
91.8	28.1	2289.9	1697.9	9.8		9.7		
114.9	32.1	2276.8	1693.9	9.5		9.7		
118.1	36.1	2263.7	1689.9	9.5		9.6		
131.2	41.1	2251.6	1685.9	9.3		9.8		
144.3	44.1	2237.4	1681.9	9.3		9.7		
157.4	48.1	2224.3	1677.9	9.2		9.6		
164.1	51.1	2217.8	1675.9	9.1		9.5		
171.5	52.1	2211.2	1673.9	9.1		9.4		
177.1	54.1	2214.6	1671.9	9.1		9.4		
183.6	56.1	2198.1	1669.9	9.1		9.4		
191.2	58.1	2191.5	1667.9	9.1	7.9	9.2	195	
196.8	61.1	2185.1	1665.9	9.1		9.2		

WATER QUALITY SAMPLING DATE: 15 JUL 72

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	1.5	2385.6	1727.1	16.4		11.2		
3.2	1.1	2384.1	1726.6	14.8		11.2		
6.5	2.1	2381.7	1725.6	14.5		11.8		
9.8	3.1	2377.4	1724.6	14.2	8.4	11.7	195	
13.1	4.1	2374.1	1723.6	14.1		11.7		
19.6	6.1	2367.6	1721.6	14.1		11.5		
26.2	8.1	2361.1	1719.6	13.9		11.3		
32.8	11.1	2354.5	1717.6	13.5		9.9		
39.3	12.1	2347.9	1715.6	13.5		9.9		
45.9	14.1	2341.3	1713.6	13.1		9.8		
52.4	16.1	2334.8	1711.6	12.5		9.9		
59.1	18.1	2328.2	1719.6	12.1		9.6		
65.6	21.1	2321.7	1717.6	11.1		9.5		
78.7	24.1	2318.5	1713.6	11.1		9.5		
91.8	28.1	2295.4	1699.6	11.1		9.5		
114.9	32.1	2282.3	1695.6	11.1		9.5		
118.1	36.1	2269.2	1691.6	11.1		9.5		
131.2	41.1	2256.1	1687.6	9.9		9.4		
144.3	44.1	2242.9	1683.6	9.8		9.1		
157.4	48.1	2229.8	1679.6	9.7		9.1		
171.5	52.1	2216.7	1675.6	9.4		8.8		
183.6	56.1	2213.6	1671.6	9.2		8.6		
196.8	61.1	2191.5	1667.6	9.5		8.4		

TABLE 14. STATION NO. 12301830, LAKE KUCCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 12 JUL 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2398.5	0731.0	16.0		10.1	180	
1.6	0.5	2396.8	0730.5	15.9		10.1	180	
3.2	1.0	2395.2	0730.0	15.9		10.1	180	
6.5	2.0	2391.9	0729.0	15.6		10.1	180	
9.8	3.0	2388.6	0728.0	15.1	8.5	10.2	180	
13.1	4.0	2385.3	0727.0	14.9		9.7	180	
16.4	5.0	2382.1	0726.0	14.5		9.7	180	
19.6	6.0	2378.8	0725.0	14.0		9.4	180	
22.9	7.0	2375.5	0724.0	13.8		9.2	180	
26.2	8.0	2372.2	0723.0	13.3		8.9	180	
29.5	9.0	2368.9	0722.0	13.0		8.9	180	
32.8	10.0	2365.7	0721.0	12.2		9.1	180	
39.3	12.0	2359.1	0719.0	11.9		9.0	180	
45.9	14.0	2352.5	0717.0	11.2		9.2	180	
52.4	16.0	2346.0	0715.0	11.0		9.2	180	
59.0	18.0	2339.4	0713.0	11.0		9.2	180	
65.6	20.0	2332.9	0711.0	10.8		9.1	180	
72.1	22.0	2326.3	0709.0	10.2		9.3	180	
85.2	26.0	2313.2	0705.0	10.0		9.3	180	
98.4	30.0	2300.1	0701.0	9.8		9.2	175	
111.5	34.0	2286.9	0697.0	9.6		9.2	175	
124.6	38.0	2273.8	0693.0	9.5		9.1	175	
137.7	42.0	2260.7	0689.0	9.5		9.0	175	
150.8	46.0	2247.6	0685.0	9.3		9.0	175	
164.0	50.0	2234.5	0681.0	9.2		8.7	175	
177.1	54.0	2221.3	0677.0	9.1		8.7	175	
190.2	58.0	2208.2	0673.0	9.0		8.6	175	
196.8	60.0	2201.7	0671.0	9.0		8.5	175	
203.3	62.0	2195.1	0669.0	9.0		8.1	175	
209.9	64.0	2188.5	0667.0	9.0		8.1	175	

WATER QUALITY SAMPLING DATE: 18 JUL 72

0.0	0.0	2403.0	0732.4	15.8		10.0	190	
1.6	0.5	2401.3	0731.9	15.8		9.9	190	
3.2	1.0	2399.7	0731.4	15.8		9.9	190	
6.5	2.0	2396.4	0730.4	15.7		10.0	190	
9.8	3.0	2393.1	0729.4	15.5	8.2	10.2	190	
16.4	5.0	2386.6	0727.4	15.5		10.2	185	
22.9	7.0	2380.0	0725.4	15.3		10.1	185	
29.5	9.0	2373.4	0723.4	15.0		10.1	185	
32.8	10.0	2370.2	0722.4	15.0		9.8	185	
36.0	11.0	2366.9	0721.4	14.7		9.8	185	
42.6	13.0	2360.3	0719.4	13.7		9.8	185	
52.4	16.0	2350.5	0716.4	12.8		9.9	185	
62.3	19.0	2340.6	0713.4	12.0		9.9	180	
72.1	22.0	2330.8	0710.4	11.5		9.9	185	
82.0	25.0	2321.0	0707.4	10.8		9.8	185	
91.8	28.0	2311.1	0704.4	10.6		9.9	180	
101.6	31.0	2301.3	0701.4	10.5		9.9	180	
111.5	34.0	2291.4	0698.4	10.2		9.9	180	
121.3	37.0	2281.6	0695.4	10.0		9.8	180	
131.2	40.0	2271.8	0692.4	9.8		9.8	180	
141.0	43.0	2261.9	0689.4	9.7		9.7	180	
150.8	46.0	2252.1	0686.4	9.7		9.7	180	
160.7	49.0	2242.2	0683.4	9.7		9.7	180	
167.2	51.0	2235.7	0681.4	9.5		9.8	175	
173.8	53.0	2229.1	0679.4	9.5		9.7	175	
180.4	55.0	2222.6	0677.4	9.5		9.6	175	
186.9	57.0	2216.0	0675.4	9.5		9.3	175	
190.2	58.0	2212.7	0674.4	9.4		9.1	175	
193.5	59.0	2209.4	0673.4	9.3		8.8	175	
196.8	60.0	2206.2	0672.4	9.3		8.6	175	
200.0	61.0	2202.9	0671.4	9.3		8.4	175	
203.3	62.0	2199.6	0670.4	9.3		8.4	175	
213.2	65.0	2189.8	0667.4	9.3		8.3	175	
223.0	68.0	2179.0	0664.4	9.3		8.2	175	

TABLE 14. STATION NO. 12301R30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 25 JUL 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2400.3	0732.8	17.0		9.3	180	
1.6	0.5	2402.6	0732.3	17.0		9.3	180	
3.2	1.0	2401.0	0731.8	17.0		9.3	180	
6.5	2.0	2397.7	0730.8	16.0		9.4	180	
9.8	3.0	2394.4	0729.8	15.5	8.4	9.2	185	
13.1	4.0	2391.1	0728.8	15.5		9.1	185	
22.9	7.0	2381.3	0725.8	15.0		8.9	185	
32.8	10.0	2371.5	0722.8	14.5		8.9	185	
42.6	13.0	2361.6	0719.8	14.5		9.0	185	
52.4	16.0	2351.8	0716.8	14.0		9.0	180	
62.3	19.0	2341.9	0713.8	13.0		9.0	185	
72.1	22.0	2332.1	0710.8	12.0		9.0	180	
82.0	25.0	2322.3	0707.8	11.5		9.1	185	
91.8	28.0	2312.4	0704.8	11.5		9.0	185	
101.6	31.0	2302.6	0701.8	11.0		9.0	185	
111.5	34.0	2292.7	0698.8	11.0		9.0	175	
121.3	37.0	2282.9	0695.8	10.5		9.0	180	
131.2	40.0	2273.1	0692.8	10.5		9.0	180	
141.0	43.0	2263.2	0689.8	10.0		8.9	180	
150.8	46.0	2253.4	0686.8	9.5		8.7	180	
160.7	49.0	2243.5	0683.8	9.5		8.7	180	
170.5	52.0	2233.7	0680.8	9.5		8.6	180	
180.4	55.0	2223.9	0677.8	9.5		8.5	180	
190.2	58.0	2214.0	0674.8	9.5		8.2	180	
200.0	61.0	2204.2	0671.8	9.0		8.0	180	
209.9	64.0	2194.3	0668.8	9.0		7.6	180	
219.7	67.0	2184.5	0665.8	9.0	8.1	7.3	180	
229.6	70.0	2174.7	0662.8	9.5		7.2	180	

WATER QUALITY SAMPLING DATE: 01 AUG 72

0.0	0.0	2402.2	0732.1	20.0		9.7	184	
1.6	0.5	2400.5	0731.6	18.9		9.8	186	
3.2	1.0	2398.9	0731.1	18.4		9.7	186	
6.5	2.0	2395.6	0730.1	18.0		9.6	185	
9.8	3.0	2392.3	0729.1	17.2	7.7	9.7	184	
13.1	4.0	2389.0	0728.1	16.0		9.5	185	
16.4	5.0	2385.8	0727.1	15.2		9.1	185	
19.6	6.0	2382.5	0726.1	15.0		9.1	185	
29.5	9.0	2372.6	0723.1	14.5		9.1	186	
39.3	12.0	2362.8	0720.1	14.0		9.1	185	
49.2	15.0	2353.0	0717.1	13.3		9.2	186	
59.0	18.0	2343.1	0714.1	13.0		9.2	185	
68.8	21.0	2333.3	0711.1	12.8		9.2	184	
78.7	24.0	2323.4	0708.1	12.5		9.2	183	
88.5	27.0	2313.6	0705.1	12.1		9.3	184	
98.4	30.0	2303.8	0702.1	11.9		9.3	184	
108.2	33.0	2293.9	0699.1	11.5		9.4	183	
118.0	36.0	2284.1	0696.1	11.0		9.4	184	
127.9	39.0	2274.2	0693.2	11.0		9.3	184	
137.7	42.0	2264.4	0690.2	10.5		9.1	183	
147.6	45.0	2254.6	0687.2	10.2		9.2	183	
157.4	48.0	2244.7	0684.2	10.0		9.2	182	
167.2	51.0	2234.9	0681.2	10.0		9.0	180	
177.1	54.0	2225.0	0678.2	9.8		8.8	180	
186.9	57.0	2215.2	0675.2	9.7		8.6	199	
196.8	60.0	2205.4	0672.2	9.6		8.4	195	
206.6	63.0	2195.5	0669.2	9.5		8.0	195	
216.4	66.0	2185.7	0666.2	9.6		7.4	197	
226.3	69.0	2175.8	0663.2	9.6		6.8	197	

TABLE 14. STATION NO. 12301R30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 08 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2400.2	0731.5	20.0		8.9	186	
1.6	0.5	2398.5	0731.0	20.0		8.8	185	
3.2	1.0	2396.9	0730.5	19.5		9.0	184	
6.5	2.0	2393.6	0729.5	19.0		9.0	184	
9.8	3.0	2390.3	0728.5	18.0	8.5	9.0	186	
13.1	4.0	2387.0	0727.5	17.6		8.9	186	
16.4	5.0	2383.8	0726.5	17.2		8.8	186	
19.6	6.0	2380.5	0725.5	17.0		8.5	187	
22.9	7.0	2377.2	0724.5	16.0		8.4	188	
29.5	9.0	2370.6	0722.5	15.0		8.2	190	
36.0	11.0	2364.1	0720.5	14.4		8.4	186	
45.9	14.0	2354.2	0717.5	14.0		8.2	186	
55.7	17.0	2344.4	0714.5	14.0		8.2	186	
65.6	20.0	2334.6	0711.5	13.8		8.3	186	
75.4	23.0	2324.7	0708.5	13.0		8.4	185	
85.2	26.0	2314.9	0705.5	12.6		8.6	183	
95.1	29.0	2305.0	0702.5	12.0		8.6	183	
104.9	32.0	2295.2	0699.5	12.0		8.6	182	
114.8	35.0	2285.4	0696.5	11.8		8.6	182	
124.6	38.0	2275.5	0693.5	11.2		8.4	183	
134.4	41.0	2265.7	0690.5	11.0		8.4	181	
144.3	44.0	2255.8	0687.5	10.5		8.2	180	
154.1	47.0	2246.0	0684.5	10.5		8.2	183	
164.0	50.0	2236.2	0681.5	10.0		8.2	184	
173.8	53.0	2226.3	0678.5	10.0		8.0	183	
183.6	56.0	2216.5	0675.5	10.0		8.0	183	
193.5	59.0	2206.6	0672.5	9.5		7.4	185	
203.3	62.0	2196.8	0669.5	9.5		7.1	186	
213.2	65.0	2187.0	0666.5	9.5		7.0	186	
223.0	68.0	2177.1	0663.5	9.5		6.6	186	

WATER QUALITY SAMPLING DATE: 15 AUG 72

0.0	0.0	2400.2	0731.5	20.0		8.6	195	
1.6	0.5	2398.5	0731.0	19.9		8.4	195	
3.2	1.0	2396.9	0730.5	19.8		8.3	190	
6.5	2.0	2393.6	0729.5	19.1		8.3	195	
9.8	3.0	2390.3	0728.5	19.1	8.2	8.4	195	
13.1	4.0	2387.0	0727.5	19.0		8.4	195	
16.4	5.0	2383.8	0726.5	19.0		8.2	195	
19.6	6.0	2380.5	0725.5	19.0		8.4	195	
22.9	7.0	2377.2	0724.5	18.8		8.3	195	
26.2	8.0	2373.9	0723.5	18.8		8.4	195	
29.5	9.0	2370.6	0722.5	18.5		8.4	195	
32.8	10.0	2367.4	0721.5	18.1		8.2	195	
36.0	11.0	2364.1	0720.5	17.9		8.0	195	
39.3	12.0	2360.8	0719.5	17.6		7.8	200	
42.6	13.0	2357.5	0718.5	16.7		7.8	195	
45.9	14.0	2354.2	0717.5	16.0		7.5	200	
49.2	15.0	2351.0	0716.5	15.1		7.6	195	
59.0	18.0	2341.1	0713.5	14.9		7.6	185	
68.8	21.0	2331.3	0710.5	14.2		7.8	185	
78.7	24.0	2321.4	0707.5	14.0		7.9	190	
88.5	27.0	2311.6	0704.5	13.5		8.2	185	
98.4	30.0	2301.8	0701.5	13.0		8.2	185	
108.2	33.0	2291.9	0698.5	12.9		8.3	180	
118.0	36.0	2282.1	0695.5	12.2		8.4	180	
127.9	39.0	2272.2	0692.5	11.9		8.3	180	
137.7	42.0	2262.4	0689.5	11.5		8.5	180	
147.6	45.0	2252.6	0686.5	11.1		8.2	185	
157.4	48.0	2242.7	0683.5	10.8		8.0	185	
167.2	51.0	2232.9	0680.5	10.5		7.8	185	
177.1	54.0	2223.0	0677.5	10.2		7.7	185	
186.9	57.0	2213.2	0674.5	10.0		7.6	185	
196.8	60.0	2203.4	0671.5	10.0		7.2	185	
206.6	63.0	2193.5	0668.5	9.9		6.9	190	
216.4	66.0	2183.7	0665.5	9.9		6.6	190	
226.3	69.0	2173.8	0662.5	8.8		6.1	190	

TABLE 14. STATION NO. 12301830, LAKE KUOCANIUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 22 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DFG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2401.4	0731.9	20.4		8.8	190	
1.6	0.5	2399.7	0731.4	20.4		8.8	190	
3.2	1.0	2398.1	0730.9	20.4		8.7	190	
6.5	2.0	2394.8	0729.9	20.3		8.7	195	
9.8	3.0	2391.5	0728.9	20.3	8.5	8.8	195	
13.1	4.0	2388.2	0727.9	20.2		8.8	195	
16.4	5.0	2385.0	0726.9	20.0		8.9	195	
22.9	7.0	2378.4	0724.9	20.0		8.8	195	
29.5	9.0	2371.8	0722.9	19.7		8.8	195	
36.0	11.0	2365.3	0720.9	19.0		8.2	195	
42.6	13.0	2358.7	0718.9	18.5		8.2	200	
45.9	14.0	2355.4	0717.9	17.8		7.6	200	
49.2	15.0	2352.2	0716.9	17.2		7.7	205	
52.4	16.0	2348.9	0715.9	15.9		7.6	200	
59.0	18.0	2342.3	0713.9	15.8		7.6	195	
65.6	20.0	2335.8	0711.9	15.2		7.7	195	
72.1	22.0	2329.2	0709.9	14.8		7.9	190	
78.7	24.0	2322.6	0707.9	14.2		7.9	190	
85.2	26.0	2316.1	0705.9	14.0		8.2	190	
91.8	28.0	2309.5	0703.9	13.5		8.2	185	
98.4	30.0	2303.0	0701.9	12.9		8.4	185	
108.2	33.0	2293.1	0698.9	12.4		8.6	185	
118.0	36.0	2283.3	0695.9	12.0		8.5	190	
127.9	39.0	2273.4	0692.9	11.9		8.5	185	
137.7	42.0	2263.6	0689.9	11.3		8.3	185	
147.6	45.0	2253.8	0686.9	11.1		8.0	185	
157.4	48.0	2243.9	0683.9	10.9		7.6	190	
167.2	51.0	2234.1	0680.9	10.7		7.5	185	
177.1	54.0	2224.2	0677.9	10.7		7.3	185	
186.9	57.0	2214.4	0674.9	10.4		7.2	185	
196.8	60.0	2204.6	0671.9	10.2		6.9	185	
206.6	63.0	2194.7	0668.9	10.0		6.1	195	
216.4	66.0	2184.9	0665.9	10.0		5.9	195	

WATER QUALITY SAMPLING DATE: 29 AUG 72

0.0	0.0	2403.8	0732.6	20.6		9.1	195	
1.6	0.5	2402.1	0732.1	20.6		9.1	195	
3.2	1.0	2400.5	0731.6	20.6		9.0	195	
6.5	2.0	2397.2	0730.6	20.5		9.2	195	
9.8	3.0	2393.9	0729.6	20.2	8.2	9.0	195	
13.1	4.0	2390.6	0728.6	20.1		9.2	195	
19.6	6.0	2384.1	0726.6	19.5		9.0	195	
26.2	8.0	2377.5	0724.6	19.0		8.7	200	
36.0	11.0	2367.7	0721.6	17.0		8.0	200	
45.9	14.0	2357.8	0718.6	16.5		7.9	210	
55.7	17.0	2348.0	0715.6	16.0		8.0	205	
65.6	20.0	2338.2	0712.6	15.0		8.1	195	
75.4	23.0	2328.3	0709.6	14.9		8.1	190	
85.2	26.0	2318.5	0706.6	14.5		8.1	190	
95.1	29.0	2308.6	0703.6	13.9		8.4	190	
104.9	32.0	2298.8	0700.6	13.2		8.6	185	
114.8	35.0	2289.0	0697.6	12.9		8.4	185	
124.6	38.0	2279.1	0694.6	12.5		8.5	185	
134.4	41.0	2269.3	0691.6	12.0		8.5	190	
144.3	44.0	2259.4	0688.6	11.9		8.3	190	
154.1	47.0	2249.6	0685.6	11.5		8.1	190	
164.0	50.0	2239.8	0682.6	11.1		7.5	190	
173.8	53.0	2229.9	0679.6	11.0		7.2	190	
183.6	56.0	2220.1	0676.6	10.9		7.0	190	
193.5	59.0	2210.2	0673.6	10.7		6.8	190	
203.3	62.0	2200.8	0670.6	10.5		6.5	195	
213.2	65.0	2190.6	0667.6	10.2		5.7	195	
223.0	68.0	2180.7	0664.6	10.2		5.3	195	

TABLE 14. STATION NO. 12301830, LAKE KOOCANIUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 05 SEP 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DFG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2404.4	0732.8	19.3		9.7	195	
1.6	0.5	2402.7	0732.3	19.3		9.7	195	
3.2	1.0	2401.1	0731.8	19.3		9.7	195	
6.5	2.0	2397.8	0730.8	19.2		9.7	195	
9.8	3.0	2394.5	0729.8	19.2	8.8	9.4	195	
13.1	4.0	2391.2	0728.8	19.1		9.5	200	
19.6	6.0	2384.7	0726.8	19.0		9.2	200	
26.2	8.0	2378.1	0724.8	19.0		9.0	200	
32.8	10.0	2371.6	0722.8	18.8		8.8	205	
42.6	13.0	2361.7	0719.8	18.2		8.2	205	
52.4	16.0	2351.9	0716.8	17.5		7.2	205	
59.0	18.0	2345.3	0714.8	16.0		7.6	205	
62.3	19.0	2342.0	0713.8	15.0		7.8	195	
72.1	22.0	2332.2	0710.8	15.0		7.8	190	
82.0	25.0	2322.4	0707.8	14.3		8.1	190	
91.8	28.0	2312.5	0704.8	14.0		7.8	190	
101.6	31.0	2302.7	0701.8	13.5		8.0	190	
111.5	34.0	2292.8	0698.8	13.0		8.3	185	
121.3	37.0	2283.0	0695.8	12.4		8.1	185	
131.2	40.0	2273.2	0692.8	12.0		8.1	190	
141.0	43.0	2263.3	0689.8	11.9		8.0	190	
150.8	46.0	2253.5	0686.8	11.8		8.0	190	
160.7	49.0	2243.6	0683.8	11.3		7.6	190	
170.5	52.0	2233.8	0680.8	11.1		7.2	190	
180.4	55.0	2224.0	0677.8	11.0		6.7	190	
190.2	58.0	2214.1	0674.8	10.9		6.1	190	
200.0	61.0	2204.3	0671.8	10.8		5.4	190	
209.9	64.0	2194.4	0668.8	10.7		5.1	190	
219.7	67.0	2184.6	0665.8	10.7		4.6	190	

WATER QUALITY SAMPLING DATE: 11 SEP 72

0.0	0.0	2404.5	0732.8	18.0		8.9	195	
1.6	0.5	2402.8	0732.3	18.0		8.9	195	
3.2	1.0	2401.2	0731.8	18.0		8.9	195	
6.5	2.0	2397.9	0730.8	18.0		9.0	195	
9.8	3.0	2394.6	0729.8	18.0	8.8	8.9	195	
13.1	4.0	2391.3	0728.8	18.0		8.8	195	
16.4	5.0	2388.1	0727.8	18.0		8.7	195	
19.6	6.0	2384.8	0726.8	17.9		8.7	200	
26.2	8.0	2378.2	0724.8	17.8		8.8	200	
32.8	10.0	2371.7	0722.8	17.6		8.6	200	
39.3	12.0	2365.1	0720.8	17.4		8.5	205	
45.9	14.0	2358.5	0718.8	17.2		8.4	205	
52.4	16.0	2352.0	0716.8	16.1		7.4	205	
59.0	18.0	2345.4	0714.8	15.8		7.6	205	
68.8	21.0	2335.6	0711.8	15.1		7.6	195	
78.7	24.0	2325.7	0708.8	14.8		7.8	195	
88.5	27.0	2315.9	0705.8	14.3		7.8	195	
98.4	30.0	2306.1	0702.8	14.0		7.9	195	
108.2	33.0	2296.2	0699.9	13.8		7.6	195	
118.0	36.0	2286.4	0696.9	13.2		8.0	190	
127.9	39.0	2276.5	0693.9	12.8		8.3	185	
137.7	42.0	2266.7	0690.9	12.2		8.2	190	
147.6	45.0	2256.9	0687.9	12.0		8.0	190	
157.4	48.0	2247.0	0684.9	11.8		7.9	190	
167.2	51.0	2237.2	0681.9	11.2		7.2	190	
177.1	54.0	2227.3	0678.9	11.0		6.8	190	
186.9	57.0	2217.5	0675.9	10.9		6.3	195	
196.8	60.0	2207.7	0672.9	10.8		5.9	195	
206.6	63.0	2197.8	0669.9	10.6		5.4	190	
216.4	66.0	2188.0	0666.9	10.5		4.6	190	
226.3	69.0	2178.1	0663.9	10.5		3.8	190	

TABLE 14. STATION NO. 12501830, LAKE KOOCANIUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 18 SEP 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2396.7	0730.5	17.0		8.8	195	
1.6	0.5	2395.0	0730.0	17.0		8.8	195	
3.2	1.0	2393.4	0729.5	17.0		8.8	195	
6.5	2.0	2390.1	0728.5	17.0		8.7	195	
9.8	3.0	2386.8	0727.5	17.0	8.4	8.8	195	
13.1	4.0	2383.5	0726.5	17.0		8.8	195	
16.4	5.0	2380.3	0725.5	17.0		8.7	195	
19.6	6.0	2377.0	0724.5	17.0		8.7	195	
26.2	8.0	2370.4	0722.5	17.0		8.6	195	
32.8	10.0	2363.9	0720.5	17.0		8.6	195	
39.3	12.0	2357.3	0718.5	16.9		8.4	200	
49.2	15.0	2347.5	0715.5	16.8		8.4	200	
59.0	18.0	2337.6	0712.5	16.5		8.4	205	
68.8	21.0	2327.8	0709.5	16.0		8.2	210	
78.7	24.0	2317.9	0706.5	15.3		7.6	210	
88.5	27.0	2308.1	0703.5	14.9		7.1	210	
98.4	30.0	2298.3	0700.5	14.1		6.9	200	
108.2	33.0	2288.4	0697.5	14.0		7.0	200	
118.0	36.0	2278.6	0694.5	13.8		6.6	200	
127.9	39.0	2268.7	0691.5	13.4		6.4	200	
137.7	42.0	2258.9	0688.5	13.0		6.8	190	
147.6	45.0	2249.1	0685.5	12.5		7.5	185	
157.4	48.0	2239.2	0682.5	12.1		6.8	195	
167.2	51.0	2229.4	0679.5	11.9		7.3	190	
177.1	54.0	2219.5	0676.5	11.5		6.6	190	
186.9	57.0	2209.7	0673.5	11.1		5.6	200	
196.8	60.0	2199.9	0670.5	11.0		4.6	200	
206.6	63.0	2190.0	0667.5	11.0		4.3	200	
216.4	66.0	2180.2	0664.5	11.0		4.2	200	
226.3	69.0	2170.3	0661.5					

WATER QUALITY SAMPLING DATE: 26 SEP 72

0.0	0.0	2386.8	0727.4	15.7		8.5	200	
1.6	0.5	2385.1	0726.9	15.7		8.4	200	
3.2	1.0	2383.5	0726.4	15.7		8.5	200	
6.5	2.0	2380.2	0725.4	15.7		8.5	200	
9.8	3.0	2376.9	0724.4	15.7	8.1	8.5	200	
13.1	4.0	2373.6	0723.4	15.7		8.6	200	
19.6	6.0	2367.1	0721.4	15.7		8.5	200	
26.2	8.0	2360.5	0719.4	15.7		8.5	200	
32.8	10.0	2354.0	0717.4	15.7		8.5	200	
39.3	12.0	2347.4	0715.4	15.7		8.5	200	
45.9	14.0	2340.8	0713.5	15.7		8.5	200	
52.4	16.0	2334.3	0711.5	15.7		8.6	200	
59.0	18.0	2327.7	0709.5	15.6		8.6	200	
68.8	21.0	2317.9	0706.5	15.5		8.6	200	
78.7	24.0	2308.0	0703.5	15.5		8.4	200	
88.5	27.0	2298.2	0700.5	15.5		8.4	200	
98.4	30.0	2288.4	0697.5	14.7		7.0	205	
108.2	33.0	2278.5	0694.5	14.1		6.3	205	
118.0	36.0	2268.7	0691.5	14.0		6.0	215	
127.9	39.0	2258.8	0688.5	13.9		5.4	215	
137.7	42.0	2249.0	0685.5	13.7		5.3	215	
147.6	45.0	2239.2	0682.5	13.4		5.2	215	
157.4	48.0	2229.3	0679.5	13.2		5.0	210	
167.2	51.0	2219.5	0676.5	13.0		4.9	205	
177.1	54.0	2209.6	0673.5	12.5		4.9	200	
186.9	57.0	2199.8	0670.5	12.1		4.6	200	
196.8	60.0	2190.0	0667.5	11.8		3.7	200	
206.6	63.0	2180.1	0664.5	11.1		3.0	205	

TABLE 14. STATION NO. 12301R30, LAKF KONCANISA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 02 OCT 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2377.0	0724.5	14.8		9.4	205	
1.6	0.5	2375.3	0724.0	14.8		9.3	205	
3.2	1.0	2373.7	0723.5	14.8		9.4	205	
6.5	2.0	2370.4	0722.5	14.8		9.4	205	
9.8	3.0	2367.1	0721.5	14.8	7.9	9.5	205	
13.1	4.0	2363.8	0720.5	14.8		9.5	205	
19.6	6.0	2357.3	0718.5	14.8		9.3	205	
26.2	8.0	2350.7	0716.5	14.8		9.3	205	
32.8	10.0	2344.2	0714.5	14.8		9.3	205	
42.6	13.0	2334.3	0711.5	14.8		9.0	205	
52.4	16.0	2324.5	0708.5	14.8		9.3	205	
62.3	19.0	2314.6	0705.5	14.8		9.6	210	
72.1	22.0	2304.8	0702.5	14.6		9.0	210	
82.0	25.0	2295.0	0699.5	14.6		9.3	210	
91.8	28.0	2285.1	0696.5	14.4		9.3	210	
101.6	31.0	2275.3	0693.5	14.4		9.2	210	
111.5	34.0	2265.4	0690.5	14.2		9.2	220	
121.3	37.0	2255.6	0687.5	14.0		8.8	220	
131.2	40.0	2245.8	0684.5	14.0		8.7	225	
141.0	43.0	2235.9	0681.5	14.0		7.6	225	
150.8	46.0	2226.1	0678.5	14.0		7.6	230	
160.7	49.0	2216.2	0675.5	13.8		6.6	230	
170.5	52.0	2206.4	0672.5	13.4		5.8	230	
180.4	55.0	2196.6	0669.5	13.2		5.4	230	
190.2	58.0	2186.7	0666.5	13.0		4.8	230	
200.0	61.0	2176.9	0663.5	12.2		3.0	220	

WATER QUALITY SAMPLING DATE: 16 OCT 72

0.0	0.0	2349.8	0716.2	13.2		8.5	220	
1.6	0.5	2348.1	0715.7	13.2		8.4	220	30.000
3.2	1.0	2346.5	0715.2	13.0		8.4	220	33.000
6.5	2.0	2343.2	0714.2	13.0		8.4	220	31.000
9.8	3.0	2339.9	0713.2	13.0	8.0	8.4	220	31.000
13.1	4.0	2336.6	0712.2	13.0		8.4	220	30.000
19.6	6.0	2330.1	0710.2	13.0		8.4	220	32.000
26.2	8.0	2323.5	0708.2	13.0		8.4	220	32.000
32.8	10.0	2317.0	0706.2	13.0		8.4	220	32.000
39.3	12.0	2310.4	0704.2	13.0		8.4	220	32.000
45.9	14.0	2303.8	0702.2	13.0		8.4	220	32.000
52.4	16.0	2297.3	0700.2	13.0		8.4	220	32.000
59.0	18.0	2290.7	0698.2	13.0		8.4	220	31.000
65.6	20.0	2284.2	0696.2	13.0		8.5	220	31.000
75.4	23.0	2274.3	0693.2	13.0		8.4	220	31.000
85.2	26.0	2264.5	0690.2	13.0		8.4	220	31.000
95.1	29.0	2254.6	0687.2	13.0		8.4	220	33.000
104.9	32.0	2244.8	0684.2	12.8		8.4	220	33.000
114.8	35.0	2235.0	0681.2	12.6		8.4	220	33.000
124.6	38.0	2225.1	0678.2	11.7		8.3	230	28.000
134.4	41.0	2215.3	0675.2	10.7		7.4	240	20.000
144.3	44.0	2205.4	0672.2	10.2		7.2	245	20.000
154.1	47.0	2195.6	0669.2	10.2		7.2	245	19.000
164.0	50.0	2185.8	0666.2	10.2		7.2	245	17.000
173.8	53.0	2175.9	0663.2	10.2		7.1	245	16.000



TABLE 14. STATION NO. 12301R30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 24 OCT 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2332.9	0711.0	12.0			215	
1.6	0.5	2331.2	0710.5	12.0			215	
3.2	1.0	2329.6	0710.0	12.0			215	36.000
6.5	2.0	2326.3	0709.0	12.0			215	36.000
9.8	3.0	2323.0	0708.0	12.0	7.6	9.0	215	36.000
13.1	4.0	2319.7	0707.0	12.0			215	36.000
19.6	6.0	2313.2	0705.0	12.0			215	36.000
26.2	8.0	2306.6	0703.0	12.0			215	36.000
32.8	10.0	2300.1	0701.0	12.0			215	36.000
39.3	12.0	2293.5	0699.0	12.0			215	36.000
45.9	14.0	2286.9	0697.0	12.0			215	36.000
52.4	16.0	2280.4	0695.0	12.0			215	36.000
59.0	18.0	2273.8	0693.0	12.0			215	36.000
65.6	20.0	2267.3	0691.0	12.0			215	31.000
75.4	23.0	2257.4	0688.0	11.2			225	25.000
85.2	26.0	2247.6	0685.0	10.6			235	22.500
95.1	29.0	2237.7	0682.0	10.0			240	21.000
104.9	32.0	2227.9	0679.0	9.2			250	17.500
114.8	35.0	2218.1	0676.0	9.2			250	14.000
124.6	38.0	2208.2	0673.0	9.0			245	13.000
134.4	41.0	2198.4	0670.0	9.0			245	11.500
144.3	44.0	2188.5	0667.0	9.0		7.8	245	10.500
154.1	47.0	2178.7	0664.0	9.0			245	10.000

WATER QUALITY SAMPLING DATE: 31 OCT 72

0.0	0.0	2317.5	0706.3	10.7			210	33.000
1.6	0.5	2315.8	0705.8	10.7			210	32.500
3.2	1.0	2314.2	0705.3	10.7			210	32.000
6.5	2.0	2310.9	0704.3	10.7			210	30.000
9.8	3.0	2307.6	0703.3	10.7	7.5	9.4	210	30.000
13.1	4.0	2304.3	0702.3	10.6			210	28.000
19.6	6.0	2297.8	0700.3	10.6			210	27.000
26.2	8.0	2291.2	0698.3	10.6			210	27.000
32.8	10.0	2284.7	0696.3	10.6			210	28.000
39.3	12.0	2278.1	0694.3	10.5			215	28.000
45.9	14.0	2271.5	0692.3	10.5			215	28.000
52.4	16.0	2265.0	0690.3	10.5			215	29.000
59.0	18.0	2258.4	0688.3	10.5			215	31.000
65.6	20.0	2251.9	0686.3	10.3			220	28.500
72.1	22.0	2245.3	0684.3	9.8			220	19.000
78.7	24.0	2238.7	0682.3	9.5			230	17.000
88.5	27.0	2228.9	0679.3	9.1			230	11.500
98.4	30.0	2219.1	0676.3	8.6			240	8.500
108.2	33.0	2209.2	0673.3	8.5			240	7.500
118.0	36.0	2199.4	0670.3	8.5			240	7.000
127.9	39.0	2189.5	0667.3	8.5	7.5	8.4	240	7.000
137.7	42.0	2179.7	0664.3	8.5			240	7.000

WATER QUALITY SAMPLING DATE: 06 NOV 72

0.0	0.0	2364.0	0702.2	9.8			215	
1.6	0.5	2362.3	0701.7	9.8			215	18.000
3.2	1.0	2360.7	0701.2	9.8			215	20.000
6.5	2.0	2297.4	0700.2	9.8			215	20.500
9.8	3.0	2294.1	0699.2	9.8	7.6	9.2	215	20.500
13.1	4.0	2290.8	0698.2	9.8			215	20.500
19.6	6.0	2284.3	0696.2	9.8			215	21.000
26.2	8.0	2277.7	0694.2	9.8			215	21.000
32.8	10.0	2271.2	0692.2	9.8			215	20.000
39.3	12.0	2264.6	0690.2	9.4			220	18.500
45.9	14.0	2258.0	0688.2	9.0			225	16.000
52.4	16.0	2251.5	0686.2	8.4			235	7.400
59.0	18.0	2244.9	0684.2	8.1			235	9.000
65.6	20.0	2238.4	0682.2	8.0			235	8.500
72.1	22.0	2231.8	0680.2	7.9			235	8.800
78.7	24.0	2225.2	0678.2	7.9			235	8.400
85.2	26.0	2218.7	0676.2	7.9			235	8.400
91.8	28.0	2212.1	0674.2	7.9			235	8.500
98.4	30.0	2205.6	0672.2	7.9			235	9.000
104.9	32.0	2199.0	0670.2	7.9			235	9.000
111.5	34.0	2192.4	0668.2	7.8			235	9.500
118.0	36.0	2185.9	0666.2	7.8		10.6	235	9.400
127.9	39.0	2179.0	0663.2	7.8			235	9.500

TABLE 14. STATION NO. 12301A30, LAKE KONCANUSA AT 1FN MILE CREEK

WATER QUALITY SAMPLING DATE: 13 NOV 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICRUMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2242.8	0695.7	7.5		9.0	225	
1.6	0.5	2241.1	0695.2	7.4		9.2	225	4.800
3.2	1.0	2279.5	0694.7	7.3		9.2	225	4.800
6.5	2.0	2276.7	0693.7	7.2		9.2	225	4.600
9.8	3.0	2272.9	0692.7	7.2	7.7	9.2	225	4.600
13.1	4.0	2269.6	0691.7	7.2		9.4	225	4.600
19.6	6.0	2263.1	0689.7	7.2		9.2	225	4.200
26.2	8.0	2256.5	0687.7	7.2		9.2	230	3.500
32.8	10.0	2250.0	0685.8	7.0		9.2	235	1.900
39.3	12.0	2243.4	0683.8	6.9		9.2	235	1.100
49.2	15.0	2233.6	0680.8	6.8		9.2	240	0.900
59.0	18.0	2223.7	0677.8	6.6		9.2	240	0.900
68.8	21.0	2213.0	0674.8	6.2		9.0	250	0.800
78.7	24.0	2204.0	0671.8	6.1		8.8	250	0.600
88.5	27.0	2194.2	0668.8	6.0		8.9	250	0.600
98.4	30.0	2184.4	0665.8	6.0	7.6	8.9	250	0.500
108.2	33.0	2174.5	0662.8	6.0		8.9	250	0.500

WATER QUALITY SAMPLING DATE: 21 NOV 72

0.0	0.0	2248.0	0697.3	4.0		9.4	280	
1.6	0.5	2246.3	0696.8	4.0		9.4	280	1.000
3.2	1.0	2244.7	0696.3	4.0		9.4	280	0.500
6.5	2.0	2241.4	0695.3	4.0		9.4	280	0.000
9.8	3.0	2278.1	0694.3	4.0	7.5	9.4	280	0.000
13.1	4.0	2274.8	0693.3	4.0		9.4	280	0.000
22.9	7.0	2265.0	0690.3	4.0		9.5	280	0.000
32.8	10.0	2255.2	0687.3	4.0		9.5	280	0.000
42.6	13.0	2245.3	0684.3	4.0		9.5	280	0.000
52.4	16.0	2235.5	0681.3	4.0		9.6	280	0.000
62.3	19.0	2225.6	0678.3	4.0		9.6	280	0.000
72.1	22.0	2215.8	0675.3	4.0		9.6	280	0.000
82.0	25.0	2206.0	0672.3	3.8		9.6	280	0.000

WATER QUALITY SAMPLING DATE: 27 NOV 72

0.0	0.0	2240.1	0692.7	2.5		10.2	280	0.400
1.6	0.5	2238.4	0692.2	2.5		10.2	280	0.100
3.2	1.0	2236.8	0681.7	2.5		10.2	280	0.000
6.5	2.0	2233.5	0680.7	2.5		10.1	280	0.000
9.8	3.0	2230.2	0679.7	3.0	7.5	10.1	280	0.000
16.4	5.0	2223.7	0677.7	3.0		10.0	280	0.000
26.2	8.0	2213.8	0674.7	3.0		10.0	280	0.000
36.0	11.0	2204.0	0671.7	3.0		10.0	280	0.000
45.9	14.0	2194.1	0668.7	3.0		10.0	280	0.000
55.7	17.0	2184.3	0665.7	3.0		10.0	280	0.000
65.6	20.0	2174.5	0662.7	3.0		10.0	280	0.000

WATER QUALITY SAMPLING DATE: 14 MAR 73

0.0	0.0	2230.5	0679.8	1.0		11.0	250	2.800
3.2	1.0	2227.2	0678.8	1.0		11.0	270	1.400
6.5	2.0	2223.9	0677.8	1.0		11.1	270	1.300
9.8	3.0	2220.6	0676.8	1.0	8.0	11.1	270	1.300
13.1	4.0	2217.3	0675.8	1.0		11.1	270	1.300
16.4	5.0	2214.1	0674.8	1.1		11.1	270	1.200
22.9	7.0	2207.5	0672.8	1.0		11.1	270	1.200
29.5	9.0	2200.9	0670.8	1.2		11.1	265	1.000
36.0	11.0	2194.4	0668.8	1.3		11.1	260	0.600
42.6	13.0	2187.8	0666.8	1.5		11.0	260	0.000
49.2	15.0	2181.3	0664.8	1.5		11.0	260	0.000
55.7	17.0	2174.7	0662.8	1.5		10.9	260	0.000
62.3	19.0	2168.1	0660.8	1.5	8.0	10.2	270	0.000
65.6	20.0	2164.9	0659.8	1.5		9.8	270	0.000
68.8	21.0	2161.6	0658.8	1.5		9.7	270	0.000
72.1	22.0	2158.3	0657.8	1.5		7.5	270	0.000

TARIF 14. STATION NO. 12301840, LAKE KOOCANUSA AT TENMILF CREEK

WATER QUALITY SAMPLING DATE: 16 APR 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2232.8	0680.5	8.3	8.5	11.5	315	1.100
5.0	1.5	2227.8	0679.0	8.3	8.5	11.5	315	0.400
10.0	3.0	2222.8	0677.5	8.0	8.5	11.4	320	0.400
15.0	4.5	2217.8	0675.9	8.0	8.4	11.3	320	0.400
20.0	6.0	2212.8	0674.4	8.0	8.4	11.3	305	0.400
25.0	7.6	2207.8	0672.9	8.0	8.4	11.2	300	0.300
30.0	9.1	2202.8	0671.4	8.0	8.4	11.2	300	0.200
35.0	10.6	2197.8	0669.8	7.5	8.3	10.8	300	0.200
40.0	12.1	2192.8	0668.3	7.5	8.3	10.7	310	0.200
45.0	13.7	2187.8	0666.8	7.0	8.3	10.7	305	1.500
50.0	15.2	2182.8	0665.3	6.0	8.2	10.2	300	1.600
55.0	16.7	2177.8	0663.7	5.5	8.2	10.2	305	1.800

WATER QUALITY SAMPLING DATE: 25 APR 73

0.0	0.0	2239.2	0682.5	8.8	8.1	10.5	285	0.900
2.0	0.6	2237.2	0681.8	8.8	8.1	10.5	285	0.300
4.0	1.2	2235.2	0681.2	8.8	8.1	10.5	285	0.000
6.0	1.8	2233.2	0680.6	8.8	8.1	10.5	285	0.000
8.0	2.4	2231.2	0680.0	8.7	8.1	10.5	285	0.000
10.0	3.0	2229.2	0679.4	8.6	8.1	10.5	285	0.000
15.0	4.5	2224.2	0677.9	8.1	8.1	10.5	285	0.000
20.0	6.0	2219.2	0676.4	8.0	8.1	10.5	280	0.000
25.0	7.6	2214.2	0674.8	7.9	8.1	10.5	280	0.000
30.0	9.1	2209.2	0673.3	7.8	8.0	10.5	280	0.000
35.0	10.6	2204.2	0671.8	7.4	8.0	10.4	280	0.000
40.0	12.1	2199.2	0670.3	7.1	8.0	10.3	275	0.000
45.0	13.7	2194.2	0668.7	7.1	8.0	10.2	275	0.000
50.0	15.2	2189.2	0667.2	7.1	8.0	10.1	275	0.000
55.0	16.7	2184.2	0665.7	7.0	8.0	10.0	275	0.000
60.0	18.2	2179.2	0664.2	7.0	8.0	10.0	275	0.000

WATER QUALITY SAMPLING DATE: 30 APR 73

0.0	0.0	2244.5	0684.1	9.5	8.3	10.6	280	0.600
2.0	0.6	2242.5	0683.5	9.4	8.3	10.6	280	0.000
4.0	1.2	2240.5	0682.9	9.4	8.2	10.5	280	0.000
6.0	1.8	2238.5	0682.2	9.2	8.2	10.5	280	0.000
8.0	2.4	2236.5	0681.6	9.2	8.2	10.4	280	0.000
10.0	3.0	2234.5	0681.0	9.2	8.2	10.4	280	0.000
12.0	3.6	2232.5	0680.4	9.2	8.2	10.3	280	0.000
17.0	5.1	2227.5	0678.9	9.0	8.2	10.3	280	0.000
22.0	6.7	2222.5	0677.4	9.0	8.2	10.3	280	0.000
27.0	8.2	2217.5	0675.8	9.0	8.1	10.2	280	0.000
32.0	9.7	2212.5	0674.3	8.8	8.1	10.1	280	0.000
37.0	11.2	2207.5	0672.8	8.2	8.1	9.9	280	0.000
42.0	12.8	2202.5	0671.3	8.0	8.0	9.8	280	0.000
47.0	14.3	2197.5	0669.7	7.8	8.0	9.8	280	0.000
52.0	15.8	2192.5	0668.2	7.5	7.9	9.5	280	0.000
57.0	17.3	2187.5	0666.7	7.2	7.9	9.1	285	0.000
62.0	18.8	2182.5	0665.2	7.2	7.8	8.9	285	0.000
67.0	20.4	2177.5	0663.7	7.2	7.8	8.8	285	0.000

WATER QUALITY SAMPLING DATE: 07 MAY 73

0.0	0.0	2252.2	0686.4	10.6	8.3	10.8	275	0.800
1.0	0.3	2251.2	0686.1	10.6	8.3	10.8	275	0.600
2.0	0.6	2250.2	0685.8	10.6	8.3	10.8	275	0.400
4.0	1.2	2248.2	0685.2	10.6	8.3	10.8	275	0.200
6.0	1.8	2246.2	0684.6	10.5	8.3	10.8	275	0.100
8.0	2.4	2244.2	0684.0	10.5	8.3	10.8	275	0.000
10.0	3.0	2242.2	0683.4	10.4	8.3	10.8	275	0.000
12.0	3.6	2240.2	0682.8	10.1	8.3	10.8	275	0.000
17.0	5.1	2235.2	0681.2	9.8	8.2	10.6	275	0.000
22.0	6.7	2230.2	0679.7	9.5	8.2	10.6	270	0.000
27.0	8.2	2225.2	0678.2	9.3	8.2	10.3	265	0.000
32.0	9.7	2220.2	0676.7	8.8	8.2	10.4	260	0.000
37.0	11.2	2215.2	0675.1	8.7	8.1	10.4	260	0.000
42.0	12.8	2210.2	0673.6	8.5	8.1	10.4	255	0.000
47.0	14.3	2205.2	0672.1	8.2	8.1	10.2	255	0.000
52.0	15.8	2200.2	0670.6	8.2	8.1	10.2	255	0.000
57.0	17.3	2195.2	0669.0	8.1	8.1	10.1	255	0.000
62.0	18.8	2190.2	0667.5	8.1	8.1	10.0	255	0.000
67.0	20.4	2185.2	0666.0	8.0	8.1	10.0	255	0.000
72.0	21.9	2180.2	0664.5	8.0	8.1	10.0	255	0.000

TABLE 14. STATION NO. 12301A30, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 14 MAY 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHMS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2263.2	0689.8	10.7	8.1	10.2	255	2.600
1.0	0.3	2262.2	0689.5	10.5	8.1	10.2	255	0.000
4.0	1.2	2259.2	0688.6	10.2	8.1	10.3	250	0.000
10.0	3.0	2253.2	0686.7	9.8	8.1	10.2	250	0.000
13.0	3.9	2250.2	0685.8	9.6	8.1	10.1	245	0.000
16.0	4.8	2247.2	0684.9	9.6	8.1	10.1	245	0.000
21.0	6.4	2242.2	0683.4	9.4	8.1	10.1	245	0.000
26.0	7.9	2237.2	0681.8	9.2	8.1	10.0	245	0.000
31.0	9.4	2232.2	0680.3	9.0	8.1	10.0	255	0.000
36.0	10.9	2227.2	0678.8	8.9	8.1	9.9	255	0.000
41.0	12.4	2222.2	0677.3	8.8	8.1	10.0	255	0.000
46.0	14.0	2217.2	0675.8	8.7	8.1	9.9	255	0.000
51.0	15.5	2212.2	0674.2	8.5	8.1	9.9	255	0.000
56.0	17.0	2207.2	0672.7	8.1	8.0	9.6	265	0.000
61.0	18.5	2202.2	0671.2	7.6	7.9	9.2	265	0.000
66.0	20.1	2197.2	0669.7	7.2	7.8	8.8	275	0.000
		2263.2	0689.8	5.7				
76.0	23.1	2192.2	0666.6	5.7	7.7	7.9	295	0.000
86.0	26.2	2177.2	0663.6	5.7	7.7	7.8	295	0.000

WATER QUALITY SAMPLING DATE: 23 MAY 73

0.0	0.0	2303.7	0702.1	13.8	8.3	11.0	245	
1.0	0.3	2302.7	0701.0	13.5	8.3	11.0	240	2.000
2.0	0.6	2301.7	0701.5	13.1	8.2	10.8	240	1.000
4.0	1.2	2299.7	0700.9	13.0	8.2	10.5	240	0.000
6.0	1.8	2297.7	0700.3	12.9	8.2	10.4	240	0.000
8.0	2.4	2295.7	0699.7	12.9	8.2	10.3	240	0.000
10.0	3.0	2293.7	0699.1	12.8	8.2	10.3	240	0.000
15.0	4.5	2289.7	0697.5	12.6	8.2	10.3	240	0.000
20.0	6.0	2283.7	0696.0	12.1	8.1	10.3	210	0.000
25.0	7.6	2278.7	0694.5	11.3	8.0	10.0	195	0.000
30.0	9.1	2273.7	0693.0	10.8	7.8	9.9	185	0.000
40.0	12.1	2263.7	0689.9	9.7	7.8	9.8	175	0.000
50.0	15.2	2253.7	0686.9	9.6	7.8	9.8	170	0.000
60.0	18.2	2243.7	0683.8	9.6	7.8	9.8	170	0.000
70.0	21.3	2233.7	0680.8	9.5	7.8	10.0	170	0.000
75.0	22.8	2228.7	0679.3	9.4	7.8	10.0	170	0.000
80.0	24.3	2223.7	0677.7	9.2	7.8	10.0	180	0.000
85.0	25.9	2218.7	0676.2	9.0	7.8	9.6	200	0.000
90.0	27.4	2213.7	0674.7	8.0	7.8	9.2	230	0.000
95.0	28.9	2208.7	0673.2	7.9	7.8	9.0	235	0.000
100.0	30.4	2203.7	0671.6	7.0	7.7	8.3	260	0.000
105.0	32.0	2198.7	0670.1	6.5	7.6	7.5	270	0.000
110.0	33.5	2193.7	0668.6	6.2	7.6	7.1	285	7.300
120.0	36.6	2183.7	0665.5	6.2	7.6	7.1	285	9.800

WATER QUALITY SAMPLING DATE: 29 MAY 73

0.0	0.0	2321.0	0707.5	14.2	8.6	12.2	240	
1.0	0.3	2320.0	0707.2	14.1	8.6	12.2	230	3.500
2.0	0.6	2319.0	0706.9	14.0	8.6	12.2	230	3.000
4.0	1.2	2317.0	0706.3	13.5	8.6	12.4	235	1.600
6.0	1.8	2315.0	0705.7	13.0	8.6	12.4	235	0.900
8.0	2.4	2313.0	0705.1	12.8	8.5	12.0	230	0.500
10.0	3.0	2311.0	0704.5	12.6	8.5	11.7	230	0.200
13.0	3.9	2309.0	0703.6	12.0	8.3	10.5	225	0.000
18.0	5.4	2303.0	0702.0	12.0	8.3	10.4	225	0.400
23.0	7.0	2299.0	0700.5	11.8	8.3	10.4	225	0.300
28.0	8.6	2293.0	0699.0	11.8	8.3	10.5	220	0.200
33.0	10.0	2288.0	0697.5	11.6	8.3	10.6	215	0.100
38.0	11.5	2283.0	0695.9	10.8	8.3	10.6	205	0.000
43.0	13.1	2278.0	0694.4	10.0	8.1	10.5	195	0.000
48.0	14.6	2273.0	0692.9	9.2	8.0	10.4	185	0.000
53.0	16.1	2268.0	0691.4	9.0	8.0	10.3	185	0.000
58.0	17.6	2263.0	0689.8	9.0	8.0	10.4	180	0.000
63.0	19.2	2258.0	0688.3	8.8	8.0	10.4	180	0.000
68.0	20.7	2253.0	0686.8	8.6	8.0	10.4	180	0.000
73.0	22.2	2248.0	0685.3	8.6	8.0	10.4	170	0.000
78.0	23.7	2243.0	0683.7	8.5	8.0	10.4	170	0.000
83.0	25.2	2238.0	0682.2	8.4	7.9	10.3	170	0.000
88.0	26.9	2233.0	0680.7	8.2	7.9	10.3	175	0.000
93.0	28.3	2228.0	0679.2	8.2	7.9	10.3	175	0.000
98.0	29.8	2223.0	0677.6	8.2	7.9	10.3	175	0.000
103.0	31.3	2218.0	0676.1	8.2	7.9	10.2	175	0.000
108.0	32.9	2213.0	0674.6	8.2	7.9	10.1	175	0.000
113.0	34.4	2208.0	0673.1	8.2	7.8	9.9	175	0.000
118.0	35.9	2203.0	0671.5	8.0	7.8	9.6	215	0.000
123.0	37.4	2198.0	0670.0	7.6	7.6	7.8	215	0.000
128.0	39.0	2193.0	0668.5	6.6	7.6	6.8	285	0.000
135.0	42.0	2183.0	0665.5	6.6	7.6	6.8	285	2.000

TABLE 14. STATION NO. 12301830, LAKE KOONANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 04 JUN 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2336.9	0712.2	13.6	8.6	12.3	230	
1.0	0.3	2335.9	0711.9	13.6	8.6	12.3	230	5.000
2.0	0.6	2334.9	0711.6	13.6	8.6	12.3	230	4.000
4.0	1.2	2332.9	0711.0	13.5	8.6	11.8	230	2.700
6.0	1.8	2330.9	0710.4	13.5	8.6	12.0	230	1.500
8.0	2.4	2328.9	0709.8	13.2	8.6	12.2	225	1.200
10.0	3.0	2326.9	0709.2	12.8	8.6	11.3	225	1.200
13.0	3.9	2323.9	0708.3	12.7	8.5	11.2	225	1.200
18.0	5.4	2318.9	0706.8	12.2	8.4	10.6	220	0.700
23.0	7.0	2313.9	0705.2	12.0	8.4	10.5	220	0.500
28.0	8.5	2308.9	0703.7	11.8	8.3	10.3	215	1.000
33.0	10.0	2303.9	0702.2	11.6	8.2	9.9	215	1.500
38.0	11.5	2298.9	0700.7	11.5	8.2	10.0	215	0.800
43.0	13.1	2293.9	0699.1	10.4	8.2	9.9	205	0.200
48.0	14.6	2288.9	0697.6	10.2	8.1	9.8	200	0.000
53.0	16.1	2283.9	0696.1	9.7	8.1	10.2	195	0.000
63.0	19.2	2273.9	0693.0	9.0	8.0	10.3	190	0.000
73.0	22.2	2263.9	0690.0	8.7	8.0	10.3	185	0.000
83.0	25.2	2253.9	0686.9	8.5	8.0	10.2	185	0.000
93.0	28.3	2243.9	0683.9	8.3	8.0	10.2	185	0.000
103.0	31.3	2233.9	0680.8	8.2	8.0	10.2	180	0.000
113.0	34.4	2223.9	0677.8	8.2	8.0	10.3	180	0.000
123.0	37.4	2213.9	0674.7	8.0	8.0	10.3	180	0.000
133.0	40.5	2203.9	0671.7	8.0	8.0	10.4	180	0.000
143.0	43.5	2193.9	0668.7	8.0	8.0	10.4	190	0.000
153.0	46.6	2183.9	0665.6	7.2	7.7	8.0	190	0.000

WATER QUALITY SAMPLING DATE: 11 JUN 73

0.0	0.0	2357.5	0718.5	15.6	8.5	10.9	220	
1.0	0.3	2356.5	0718.2	14.5	8.5	11.0	215	3.500
2.0	0.6	2355.5	0717.9	13.8	8.6	11.3	215	2.900
5.0	1.5	2352.5	0717.0	13.1	8.7	11.1	215	1.800
10.0	3.0	2347.5	0715.5	12.8	8.7	10.9	215	1.500
20.0	6.0	2337.5	0712.4	12.8	8.4	10.7	215	1.700
30.0	9.1	2327.5	0709.4	12.2	8.4	10.4	215	1.800
40.0	12.1	2317.5	0706.3	11.0	8.2	10.2	205	0.000
50.0	15.2	2307.5	0703.3	10.1	8.0	10.1	200	0.000
60.0	18.2	2297.5	0700.2	9.8	8.0	10.1	195	0.000
70.0	21.3	2287.5	0697.2	9.4	8.0	10.0	195	0.000
80.0	24.3	2277.5	0694.1	9.1	7.9	10.0	190	0.000
90.0	27.4	2267.5	0691.1	8.9	7.9	10.0	185	0.000
100.0	30.4	2257.5	0688.0	8.6	7.9	10.0	185	0.000
110.0	33.5	2247.5	0685.0	8.5	7.8	9.9	185	0.000
120.0	36.5	2237.5	0681.9	8.2	7.8	9.8	180	0.000
130.0	39.6	2227.5	0678.9	8.1	7.8	9.8	180	0.000
140.0	42.6	2217.5	0675.8	7.9	7.8	9.8	180	0.000
150.0	45.7	2207.5	0672.8	7.8	7.8	9.8	190	0.000
155.0	47.2	2202.5	0671.3	7.8	7.8	9.6	190	0.000
160.0	48.7	2197.5	0669.7	7.2	7.6	8.5	220	0.000
165.0	50.2	2192.5	0668.2	6.9	7.5	6.3	275	0.000
170.0	51.8	2187.5	0666.7	6.2	7.4	5.4	280	0.200
175.0	53.3	2182.5	0665.2	6.2	7.4	5.4	280	0.900

WATER QUALITY SAMPLING DATE: 19 JUN 73

0.1	0.0	2372.0	0723.2	12.9	8.6	10.7	210	
1.0	0.3	2372.0	0722.9	12.9	8.6	10.7	210	
2.0	0.6	2371.0	0722.6	12.9	8.6	10.7	210	6.500
5.0	1.5	2368.0	0721.7	12.8	8.6	10.7	210	6.200
10.0	3.0	2363.0	0720.2	12.7	8.6	10.7	210	5.800
15.0	4.5	2358.0	0718.7	12.5	8.5	10.7	210	5.500
20.0	6.0	2353.0	0717.1	12.2	8.4	10.5	210	5.700
30.0	9.1	2343.0	0714.1	12.0	8.4	10.5	210	4.000
40.0	12.1	2333.0	0711.0	11.1	8.3	10.2	200	0.800
50.0	15.2	2323.0	0708.0	10.0	8.0	10.0	190	0.000
60.0	18.2	2313.0	0705.0	9.7	8.0	10.0	185	0.000
70.0	21.3	2303.0	0701.9	9.1	7.9	9.7	190	0.000
80.0	24.3	2293.0	0698.9	9.0	7.9	9.7	190	0.200
90.0	27.4	2283.0	0695.8	9.0	7.9	9.7	190	0.400
100.0	30.4	2273.0	0692.8	8.9	7.9	9.8	185	0.200
110.0	33.5	2263.0	0689.7	8.7	7.9	9.8	185	0.000
120.0	36.5	2253.0	0686.7	8.5	7.8	9.8	185	0.000
130.0	39.6	2243.0	0683.6	8.4	7.8	9.7	185	0.000
140.0	42.6	2233.0	0680.6	8.3	7.8	9.6	185	0.000
150.0	45.7	2223.0	0677.5	8.1	7.8	9.6	190	0.000
160.0	48.7	2213.0	0674.5	8.0	7.8	9.4	190	0.000
170.0	51.8	2203.0	0671.4	8.0	7.8	8.9	190	0.000
177.0	53.9	2196.0	0669.3	7.8	7.7	8.0	195	0.000
187.0	56.9	2186.0	0666.2	7.0	7.4	4.8	200	2.700

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 27 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2386.7	0727.4	17.0	8.5	10.4	215	
1.0	0.3	2385.8	0727.1	16.3	8.5	10.6	210	15.000
2.0	0.6	2384.8	0726.8	16.0	8.5	10.6	210	15.000
5.0	1.5	2381.9	0725.9	14.9	8.5	10.7	210	15.000
10.0	3.0	2376.8	0724.4	14.7	8.5	10.7	210	14.200
15.0	4.5	2371.4	0722.9	14.3	8.5	10.6	210	13.400
20.0	6.0	2366.9	0721.4	13.0	8.5	10.5	210	18.600
30.0	9.1	2356.8	0718.3	12.0	8.4	10.2	200	15.000
40.0	12.1	2346.8	0715.3	11.0	8.2	10.2	200	9.100
50.0	15.2	2336.8	0712.2	10.0	8.2	10.1	190	4.000
60.0	18.2	2326.8	0709.2	9.9	8.1	10.0	190	1.900
70.0	21.3	2316.8	0706.1	9.8	8.0	10.0	190	1.400
80.0	24.3	2306.8	0703.1	9.7	8.0	10.0	185	1.000
90.0	27.4	2296.8	0700.0	9.5	8.0	10.0	185	0.400
100.0	30.4	2286.8	0697.0	9.2	8.0	10.1	185	0.400
110.0	33.5	2276.8	0693.9	9.0	7.9	10.0	185	0.100
120.0	36.5	2266.8	0690.9	9.0	7.9	9.8	185	0.000
130.0	39.6	2256.8	0687.8	8.9	7.9	9.7	185	0.000
140.0	42.6	2246.8	0684.8	8.9	7.8	9.6	185	0.000
150.0	45.7	2236.8	0681.7	8.8	7.8	9.6	185	0.000
160.0	48.7	2226.8	0678.7	8.6	7.8	9.6	185	0.000
170.0	51.8	2216.8	0675.6	8.1	7.8	9.4	195	0.200
180.0	54.8	2206.8	0672.6	8.0	7.7	8.8	200	0.200
190.0	57.9	2196.8	0669.5	7.8	7.6	7.7	225	0.400
192.0	58.5	2194.8	0668.9	7.2	7.5	6.2	245	0.200
202.0	61.5	2184.4	0665.9	7.0	7.5	4.8	255	

WATER QUALITY SAMPLING DATE: 02 JUL 73

0.1	0.0	2395.0	0730.0	16.2	8.7	9.7	210	
1.0	0.3	2394.1	0729.7	16.2	8.7	9.8	210	16.000
2.0	0.6	2393.1	0729.4	16.0	8.7	9.8	205	15.500
5.0	1.5	2390.1	0728.5	14.8	8.7	10.0	205	15.500
10.0	3.0	2385.1	0726.9	14.0	8.7	10.1	205	8.000
15.0	4.5	2380.1	0725.4	13.2	8.7	10.0	205	10.000
20.0	6.0	2375.1	0723.9	13.0	8.6	9.9	205	11.500
25.0	7.6	2370.1	0722.4	12.2	8.5	9.7	200	9.000
30.0	9.1	2365.1	0720.8	11.1	8.4	9.4	190	16.000
35.0	10.6	2360.1	0719.3	10.9	8.3	9.4	190	0.300
40.0	12.1	2355.1	0717.8	10.9	8.3	9.3	190	0.300
50.0	15.2	2345.1	0714.7	10.6	8.2	9.3	195	0.400
60.0	18.2	2335.1	0711.7	10.2	8.2	9.5	195	5.600
70.0	21.3	2325.1	0708.7	10.0	8.2	9.6	195	5.500
80.0	24.3	2315.1	0705.6	10.0	8.2	9.5	190	2.800
90.0	27.4	2305.1	0702.6	10.0	8.2	9.6	190	0.000
100.0	30.4	2295.1	0699.5	9.7	8.2	9.6	190	0.100
110.0	33.5	2285.1	0696.5	9.5	8.1	9.5	185	0.100
125.0	38.1	2270.1	0691.0	9.1	8.1	9.5	185	0.200
140.0	42.6	2255.1	0687.3	9.0	8.1	9.3	185	0.200
155.0	47.2	2240.1	0682.7	8.7	8.0	9.2	185	0.300
170.0	51.8	2225.1	0678.2	8.5	8.0	8.9	185	0.600
185.0	56.3	2210.1	0673.6	8.2	7.8	8.0	195	1.200
198.0	60.3	2197.1	0669.6	8.0	7.7	7.2	195	1.500
208.0	63.3	2187.1	0666.6	7.8	7.6	5.3	215	1.300

WATER QUALITY SAMPLING DATE: 09 JUL 73

0.1	0.0	2402.8	0732.3	17.2		9.6	215	
1.0	0.3	2401.0	0732.1	17.0		9.6	215	33.000
2.0	0.6	2400.0	0731.8	17.0		9.6	205	33.000
5.0	1.5	2397.0	0730.8	16.8		9.8	205	32.000
10.0	3.0	2392.0	0729.3	15.8	8.3	9.9	205	27.000
15.0	4.5	2387.0	0727.8	15.2		9.9	205	24.500
20.0	6.0	2382.0	0726.3	14.8		9.8	205	21.500
25.0	7.6	2377.0	0724.7	14.0		9.7	200	20.000
30.0	9.1	2372.0	0723.2	13.0		9.3	190	5.100
35.0	10.6	2367.0	0721.7	12.5		9.3	185	1.600
40.0	12.1	2362.0	0720.2	12.0		9.4	180	1.200
50.0	15.2	2352.0	0717.1	11.1		9.4	185	0.500
60.0	18.2	2342.0	0714.1	11.0		9.6	185	0.600
70.0	21.3	2332.0	0711.0	10.6		9.6	185	0.700
80.0	24.3	2322.0	0708.0	10.2		9.8	190	6.100
90.0	27.4	2312.0	0704.9	10.0		9.8	190	10.500
105.0	32.0	2297.0	0700.4	9.6		9.7	190	5.700
120.0	36.5	2282.0	0695.8	9.3		9.7	185	1.300
135.0	41.1	2267.0	0691.2	9.1		9.6	185	1.200
150.0	45.7	2252.0	0686.6	9.0		9.4	185	1.200
165.0	50.2	2237.0	0682.1	8.7		9.3	185	1.500
180.0	54.8	2222.0	0677.5	8.5		8.9	185	1.800
195.0	59.0	2207.0	0672.9	8.1		8.0	195	2.500
206.0	62.7	2196.0	0669.6	8.0	7.4	7.2	215	0.900
216.0	65.8	2186.0	0666.5	7.6		4.6	225	1.500

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 17 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2406.6	0733.5	19.3		9.0	210	
1.0	0.3	2405.7	0733.2	19.3		9.0	210	30.000
2.0	0.6	2404.7	0732.9	19.3		9.0	210	30.000
5.0	1.5	2401.7	0732.0	19.2		9.0	210	30.000
10.0	3.0	2396.7	0730.5	19.2	8.3	9.0	205	30.000
15.0	4.5	2391.7	0728.9	19.0		9.2	205	30.000
20.0	6.0	2386.7	0727.4	18.9		9.4	205	29.000
25.0	7.6	2381.7	0725.9	15.0		9.5	200	30.000
30.0	9.1	2376.7	0724.4	14.2		9.4	200	30.000
40.0	12.1	2366.7	0721.3	13.7		9.2	200	23.000
50.0	15.2	2356.7	0718.3	12.9		9.3	190	20.500
60.0	18.2	2346.7	0715.2	12.1		9.3	190	16.000
70.0	21.3	2336.7	0712.2	11.2		9.4	185	14.000
80.0	24.3	2326.7	0709.1	10.9		9.6	185	12.500
90.0	27.4	2316.7	0706.1	10.6		9.6	190	12.000
100.0	30.4	2306.7	0703.0	10.2		9.7	190	14.000
115.0	35.0	2291.7	0698.5	9.9		9.7	190	11.000
130.0	39.6	2276.7	0693.9	9.6		9.8	190	8.200
145.0	44.1	2261.7	0689.3	9.1		9.4	185	3.800
160.0	48.7	2246.7	0684.7	9.0		9.4	185	2.800
175.0	53.3	2231.7	0680.2	8.8		9.0	185	3.000
190.0	57.9	2216.7	0675.6	8.6		8.8	185	3.800
200.0	60.9	2206.7	0672.6	8.3		7.8	195	4.600
210.0	64.0	2196.7	0669.5	8.1	7.4	7.3	200	5.100
220.0	67.0	2186.7	0666.5	8.0		5.7	200	

WATER QUALITY SAMPLING DATE: 23 JUL 73

0.1	0.0	2408.6	0734.1	20.1	8.6	8.2	205	
1.0	0.3	2407.7	0733.8	20.1	8.6	8.2	205	
2.0	0.6	2406.7	0733.5	20.0	8.6	8.2	205	
5.0	1.5	2403.7	0732.6	20.0	8.6	8.3	205	
10.0	3.0	2398.7	0731.1	19.9	8.6	8.5	200	
15.0	4.5	2393.7	0729.6	18.9	8.6	8.6	195	
20.0	6.0	2388.7	0728.0	18.0	8.6	8.7	195	
25.0	7.6	2383.7	0726.5	17.0	8.6	8.7	195	
30.0	9.1	2378.7	0725.0	15.8	8.5	8.6	195	
35.0	10.6	2373.7	0723.5	14.4	8.4	8.2	190	
40.0	12.1	2368.7	0721.9	13.8	8.4	8.4	190	
50.0	15.2	2358.7	0718.9	13.0	8.4	8.4	185	
60.0	18.2	2348.7	0715.8	12.7	8.4	8.5	180	
70.0	21.3	2338.7	0712.8	12.1	8.4	8.5	180	
80.0	24.3	2328.7	0709.8	11.3	8.3	8.6	175	
90.0	27.4	2318.7	0706.7	11.0	8.3	8.7	180	
100.0	30.4	2308.7	0703.7	10.6	8.3	8.7	180	
110.0	33.5	2298.7	0700.6	10.2	8.3	8.8	180	
125.0	38.1	2283.7	0696.0	10.1	8.3	8.8	180	
140.0	42.6	2268.7	0691.5	9.9	8.2	8.8	175	
155.0	47.2	2253.7	0686.9	9.6	8.2	8.7	175	
170.0	51.8	2238.7	0682.3	9.0	8.1	8.3	170	
180.0	54.8	2228.7	0679.3	9.0	8.0	7.8	170	
190.0	57.9	2218.7	0676.2	8.9	8.0	7.3	170	
200.0	60.9	2208.7	0673.2	8.9	8.0	7.1	165	

WATER QUALITY SAMPLING DATE: 30 JUL 73

0.1	0.0	2411.4	0734.9	22.0	8.3	7.8	210	
1.0	0.3	2410.5	0734.7	21.8	8.3	7.8	210	32.000
2.0	0.6	2409.5	0734.4	21.3	8.3	7.8	210	31.000
5.0	1.5	2406.5	0733.5	20.7	8.3	7.8	210	31.000
10.0	3.0	2401.5	0731.9	20.4	8.3	7.9	210	26.000
15.0	4.5	2396.5	0730.4	20.0	8.3	7.9	210	32.000
20.0	6.0	2391.5	0728.9	19.3	8.3	8.0	210	33.000
25.0	7.6	2386.5	0727.4	18.9	8.3	8.0	210	38.000
30.0	9.1	2381.5	0725.8	18.2	8.2	8.0	210	39.000
35.0	10.6	2376.5	0724.3	17.2	8.2	8.0	205	37.000
40.0	12.1	2371.5	0722.8	16.0	8.1	7.7	205	37.000
45.0	13.7	2366.5	0721.3	15.6	8.1	7.6	205	33.000
50.0	15.2	2361.5	0719.7	14.7	8.1	8.0	205	37.000
60.0	18.2	2351.5	0716.7	13.8	8.0	7.9	200	30.000
70.0	21.3	2341.5	0713.6	12.9	8.0	8.2	190	29.000
80.0	24.3	2331.5	0710.6	12.3	8.0	8.2	195	26.000
90.0	27.4	2321.5	0707.5	11.9	8.0	8.3	190	17.500
100.0	30.4	2311.5	0704.5	11.1	8.0	8.4	190	20.000
115.0	35.0	2296.5	0699.9	10.9	8.0	8.5	190	17.500
130.0	39.6	2281.5	0695.4	10.1	8.0	8.6	190	18.000
145.0	44.1	2266.5	0690.8	9.8	7.9	8.4	190	14.000
160.0	48.7	2251.5	0686.2	9.3	7.8	8.1	185	8.000
175.0	53.3	2236.5	0681.6	9.1	7.7	7.6	185	6.500
190.0	57.9	2221.5	0677.1	9.0	7.6	6.9	185	6.000
204.0	62.1	2207.5	0672.8	8.9	7.5	6.5	190	7.000
214.0	65.2	2197.5	0669.8	8.9	7.5	6.2	190	9.000

TABLE 10. STATION NO. 12301830, LAKE KODOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 06 AUG 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (LIMITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHUS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2413.3	0735.5	20.7	8.4	8.5	210	
1.0	0.3	2412.4	0735.3	20.6	8.4	8.5	210	21,000
2.0	0.6	2411.4	0735.0	20.6	8.4	8.6	210	23,000
5.0	1.5	2408.4	0734.0	20.2	8.4	8.6	210	22,000
10.0	3.0	2403.4	0732.5	20.0	8.3	8.6	210	21,000
15.0	4.5	2398.4	0731.0	19.9	8.3	8.6	205	24,000
20.0	6.0	2393.4	0729.5	19.2	8.3	8.6	205	28,000
25.0	7.6	2388.4	0727.9	17.0	8.0	8.0	215	39,000
30.0	9.1	2383.4	0726.4	16.1	8.0	7.9	215	35,000
35.0	10.6	2378.4	0724.9	15.8	8.0	7.8	215	28,000
40.0	12.1	2373.4	0723.4	15.3	8.0	7.9	215	28,000
45.0	13.7	2368.4	0721.9	15.0	8.0	8.1	210	29,000
50.0	15.2	2363.4	0720.3	14.7	8.0	8.1	210	29,000
55.0	16.7	2358.4	0718.8	14.2	8.1	8.2	205	28,000
60.0	18.2	2353.4	0717.3	13.4	8.2	8.7	195	30,000
70.0	21.3	2343.4	0714.2	12.7	8.2	8.8	195	26,000
80.0	24.3	2333.4	0711.2	12.0	8.2	8.8	190	21,000
90.0	27.4	2323.4	0708.1	11.1	8.1	9.0	190	18,000
105.0	32.0	2308.4	0703.6	10.9	8.1	9.0	190	18,000
120.0	36.5	2293.4	0699.0	10.2	8.1	9.1	190	16,500
135.0	41.1	2278.4	0694.4	10.0	8.0	9.1	190	15,000
150.0	45.7	2263.4	0689.8	9.8	8.0	9.0	190	9,000
165.0	50.2	2248.4	0685.3	9.5	8.0	8.9	190	8,000
175.0	53.3	2238.4	0682.2	9.1	7.9	8.7	185	6,500
185.0	56.3	2228.4	0679.2	9.0	7.8	8.0	185	6,500
195.0	59.3	2218.4	0676.1	8.9	7.8	7.5	190	7,500
205.0	62.4	2208.4	0673.1	8.8	7.7	6.8	190	9,000
218.0	66.4	2195.4	0669.1	8.6	7.6	6.5	195	9,500
228.0	69.4	2185.4	0666.1	8.2	7.5	4.8	195	7,000

WATER QUALITY SAMPLING DATE: 14 AUG 73

0.1	0.0	2415.1	0736.0	21.2	8.2	8.2	205	
1.0	0.3	2414.1	0735.8	21.2	8.2	8.2	205	50,000
2.0	0.6	2413.1	0735.5	21.2	8.2	8.2	205	50,000
5.0	1.5	2410.1	0734.6	21.0	8.2	8.3	205	50,000
10.0	3.0	2405.1	0733.0	20.8	8.2	8.4	205	51,000
15.0	4.5	2400.1	0731.5	20.6	8.2	8.4	205	51,000
20.0	6.0	2395.1	0730.0	20.1	8.2	8.6	205	51,000
25.0	7.6	2390.1	0728.5	19.0	8.1	8.1	210	51,000
30.0	9.1	2385.1	0726.9	18.6	8.0	7.9	205	51,000
35.0	10.6	2380.1	0725.4	17.9	8.0	7.7	210	52,000
40.0	12.1	2375.1	0723.9	16.9	7.8	7.4	205	56,000
45.0	13.7	2370.1	0722.4	16.0	7.8	7.2	210	53,000
50.0	15.2	2365.1	0720.8	15.2	7.8	7.4	210	52,000
60.0	18.2	2355.1	0717.8	14.5	8.0	8.0	200	43,000
70.0	21.3	2345.1	0714.7	13.2	8.0	8.2	185	50,000
80.0	24.3	2335.1	0711.7	12.5	7.9	8.3	185	35,000
90.0	27.4	2325.1	0708.6	11.9	7.9	8.4	180	31,000
100.0	30.4	2315.1	0705.6	11.2	7.9	8.4	185	26,000
110.0	33.5	2305.1	0702.6	10.8	7.9	8.5	185	23,000
125.0	38.1	2290.1	0698.0	10.4	7.8	8.6	185	18,000
140.0	42.6	2275.1	0693.4	10.3	7.8	8.4	185	16,000
155.0	47.2	2260.1	0688.8	10.0	7.8	8.3	185	14,000
170.0	51.8	2245.1	0684.3	9.6	7.9	8.1	185	12,000
185.0	56.3	2230.1	0679.7	9.2	7.6	7.4	185	10,000
200.0	60.9	2215.1	0675.1	9.0	7.3	6.2	185	10,000
210.0	64.0	2205.1	0672.1	9.0	7.3	5.8	185	10,000
218.0	66.4	2197.1	0669.6	8.8	7.3	5.1	185	10,000
228.0	69.4	2187.1	0666.6	8.8	7.2	4.0	200	10,000
		2415.1	0736.1					5,400



TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 20 AUG 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2414.2	0735.8	19.8	8.2	8.7	210	
1.0	0.3	2413.3	0735.5	19.8	8.2	8.7	210	34.000
2.0	0.6	2412.3	0735.2	19.8	8.2	8.7	210	35.000
5.0	1.5	2409.3	0734.3	19.2	8.2	8.6	210	35.000
10.0	3.0	2404.3	0732.8	18.8	8.2	8.7	210	31.000
15.0	4.5	2399.3	0731.3	18.8	8.2	8.7	210	31.000
20.0	6.0	2394.3	0729.8	18.6	8.2	8.7	215	30.000
25.0	7.6	2389.3	0728.2	18.4	8.2	8.6	215	30.000
30.0	9.1	2384.3	0726.7	18.2	8.2	8.6	215	31.000
35.0	10.6	2379.3	0725.2	18.0	8.1	8.3	215	32.000
40.0	12.1	2374.3	0723.7	17.8	8.1	8.3	210	32.000
45.0	13.7	2369.3	0722.1	17.8	8.1	8.4	210	32.000
50.0	15.2	2364.3	0720.6	16.0	7.9	7.8	210	28.000
55.0	16.7	2359.3	0719.1	15.0	7.8	7.8	195	32.000
65.0	19.8	2349.3	0716.0	14.0	7.8	8.1	195	39.000
80.0	24.3	2334.3	0711.5	13.0	7.9	8.8	185	45.000
95.0	28.9	2319.3	0706.9	12.0	7.9	8.9	180	38.000
110.0	33.5	2304.3	0702.3	11.2	7.8	8.9	180	27.000
125.0	38.1	2289.3	0697.8	10.8	7.8	9.1	180	28.000
140.0	42.6	2274.3	0693.2	10.0	7.8	9.3	180	23.000
155.0	47.2	2259.3	0688.6	10.0	7.8	9.1	180	15.000
170.0	51.8	2244.3	0684.0	9.4	7.7	8.8	175	12.000
185.0	56.3	2229.3	0679.5	9.2	7.6	8.5	180	11.000
195.0	59.4	2219.3	0676.4	9.0	7.5	7.6	185	11.000
206.0	62.7	2208.3	0673.1	8.8	7.4	6.4	185	10.000
216.0	65.8	2198.3	0670.0	8.6	7.3	5.6	185	9.700
226.0	68.8	2188.3	0667.0	8.2	7.2	3.4	195	8.000

WATER QUALITY SAMPLING DATE: 28 AUG 73

0.1	0.0	2409.1	0734.3	18.7		8.6		
1.0	0.3	2408.2	0734.0	18.7		8.6		53.000
2.0	0.6	2407.2	0733.7	18.7		8.6		53.000
5.0	1.5	2404.2	0732.8	18.7		8.6		53.000
10.0	3.0	2399.2	0731.2	18.6	8.0	8.5		53.000
15.0	4.5	2394.2	0729.7	18.4		8.5		56.000
20.0	6.0	2389.2	0728.2	18.4		8.5		56.000
25.0	7.6	2384.2	0726.7	18.4		8.5		56.000
30.0	9.1	2379.2	0725.1	18.4		8.5		55.000
35.0	10.6	2374.2	0723.6	18.3		8.5		50.000
40.0	12.1	2369.2	0722.1	18.3		8.4		50.000
45.0	13.7	2364.2	0720.6					56.000
50.0	15.2	2359.2	0719.0					55.000
55.0	16.7	2354.2	0717.5					55.000
60.0	18.2	2349.2	0716.0					54.000
70.0	21.3	2339.2	0713.0					56.000
80.0	24.3	2329.2	0709.9					56.000
90.0	27.4	2319.2	0706.9					52.000
100.0	30.4	2309.2	0703.8					36.000
110.0	33.5	2299.2	0700.8					24.000
125.0	38.1	2284.2	0696.2					19.000
140.0	42.6	2269.2	0691.6					13.000
155.0	47.2	2254.2	0687.0					18.000
170.0	51.8	2239.2	0682.5					16.000
185.0	56.3	2224.2	0677.9					17.000
200.0	60.9	2209.2	0673.3					14.000
210.0	64.0	2199.2	0670.3		7.3	6.2		12.000
220.0	67.0	2189.2	0667.2					10.000

WATER QUALITY SAMPLING DATE: 04 SEP 73

0.1	0.0	2404.1	0732.7	19.1		8.5		4.000
1.0	0.3	2403.2	0732.5	18.3		8.5		15.000
2.0	0.6	2402.2	0732.2	18.2		8.5		14.000
5.0	1.5	2399.2	0731.2	18.1		8.6		8.000
10.0	3.0	2394.2	0729.7	18.0	8.0	8.6		8.000
15.0	4.5	2389.2	0728.2	18.0		8.6		6.000
20.0	6.0	2384.2	0726.7	18.0		8.6		
25.0	7.6	2379.2	0725.2	17.9		8.6		
30.0	9.1	2374.2	0723.6	17.9		8.5		
35.0	10.6	2369.2	0722.1	17.8		8.5		
40.0	12.1	2364.2	0720.6	17.8		8.5		
45.0	13.7	2359.2	0719.1					
50.0	15.2	2354.2	0717.5					55.000
55.0	16.7	2349.2	0716.0					49.000
60.0	18.2	2344.2	0714.5					56.000
65.0	19.8	2339.2	0713.0					49.000
70.0	21.3	2334.2	0711.4					43.000
75.0	22.8	2329.2	0709.9					58.000
80.0	24.3	2324.2	0708.4					51.000
90.0	27.4	2314.2	0705.3					43.000
100.0	30.4	2304.2	0702.3					53.000
110.0	33.5	2294.2	0699.2					36.000
125.0	38.1	2279.2	0694.7					11.000
140.0	42.6	2264.2	0690.1					15.000
155.0	47.2	2249.2	0685.5					
170.0	51.8	2234.2	0681.0					
185.0	56.3	2219.2	0676.4					
200.0	60.9	2204.2	0671.8					
205.0	62.4	2199.2	0670.3	10.0	7.5	6.3		
215.0	65.5	2189.2	0667.2					

WATER QUALITY SAMPLING DATE: 14 SEP 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHUS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2395.4	0730.1	17.9	8.0	7.9	215	
1.0	0.3	2394.5	0729.8	17.9	8.0	7.9	215	35.000
2.0	0.6	2393.5	0729.5	17.9	8.0	8.0	215	35.000
5.0	1.5	2390.5	0728.6	17.9	8.0	7.9	215	35.000
10.0	3.0	2385.5	0727.1	17.9	8.0	8.1	215	35.000
15.0	4.5	2380.5	0725.5	17.9	8.0	8.0	215	35.000
20.0	6.0	2375.5	0724.0	17.9	8.0	8.0	215	35.000
25.0	7.6	2370.5	0722.5	17.9	8.0	8.0	215	35.000
30.0	9.1	2365.5	0721.0	17.9	8.0	8.0	215	35.000
35.0	10.6	2360.5	0719.4	17.9	8.0	8.0	215	35.000
40.0	12.1	2355.5	0717.9	17.8	8.0	8.0	215	35.000
45.0	13.7	2350.5	0716.4	17.6	8.0	8.0	215	35.000
50.0	15.2	2345.5	0714.9	17.1	7.9	7.7	220	40.000
60.0	18.2	2335.5	0711.8	15.9	7.7	6.9	225	34.000
70.0	21.3	2325.5	0708.8	15.2	7.7	7.0	215	37.000
80.0	24.3	2315.5	0705.7	14.8	7.6	7.2	210	34.000
90.0	27.4	2305.5	0702.7	14.5	7.6	7.3	205	33.000
100.0	30.4	2295.5	0699.6	13.9	7.6	7.7	200	34.000
110.0	33.5	2285.5	0696.6	13.2	7.6	7.7	205	39.000
125.0	38.1	2270.5	0692.0	12.5	7.6	7.6	200	41.000
140.0	42.6	2255.5	0687.4	12.1	7.6	7.4	200	40.000
155.0	47.2	2240.5	0682.9	11.2	7.5	7.0	200	38.000
170.0	51.8	2225.5	0678.3	10.6	7.4	6.6	195	28.000
185.0	56.3	2210.5	0673.7	10.1	7.4	5.9	195	18.000
197.0	60.0	2198.5	0670.1	10.0	7.3	5.2	195	13.000
207.0	63.0	2188.5	0667.0	9.9	7.2	4.1	195	7.500

WATER QUALITY SAMPLING DATE: 17 SEP 73

0.1	0.0	2392.6	0729.2	17.2	8.0	8.5	205	54.000
1.0	0.3	2391.7	0729.0	17.2	8.0	8.5	205	54.000
2.0	0.6	2390.7	0728.7	17.2	8.0	8.5	205	52.000
5.0	1.5	2387.7	0727.7	17.0	8.0	8.5	200	51.000
10.0	3.0	2382.7	0726.2	17.0	8.0	8.5	200	49.000
15.0	4.5	2377.7	0724.7	17.0	8.0	8.5	200	45.000
20.0	6.0	2372.7	0723.2	17.0	8.0	8.5	200	45.000
25.0	7.6	2367.7	0721.7	17.0	8.0	8.5	200	45.000
30.0	9.1	2362.7	0720.1	17.0	8.0	8.5	200	45.000
35.0	10.6	2357.7	0718.6	17.0	8.0	8.5	200	45.000
40.0	12.1	2352.7	0717.1	17.0	8.0	8.5	200	46.000
45.0	13.7	2347.7	0715.6	17.0	8.0	8.5	200	47.000
50.0	15.2	2342.7	0714.0	17.0	8.0	8.5	200	47.000
60.0	18.2	2332.7	0711.0	17.0	8.0	8.5	200	47.000
70.0	21.3	2322.7	0707.9	17.0	7.9	8.6	200	48.000
80.0	24.3	2312.7	0704.9	16.8	7.9	8.6	200	48.000
90.0	27.4	2302.7	0701.8	16.0	7.6	7.8	200	38.000
100.0	30.4	2292.7	0698.8	15.3	7.6	7.7	200	23.000
110.0	33.5	2282.7	0695.7	14.5	7.6	7.7	200	24.000
125.0	38.1	2267.7	0691.2	13.0	7.5	7.8	190	29.000
140.0	42.6	2252.7	0686.6	12.2	7.5	7.4	190	37.000
155.0	47.2	2237.7	0682.0	11.2	7.4	6.8	185	31.000
170.0	51.8	2222.7	0677.5	10.8	7.3	6.2	185	19.000
185.0	56.3	2207.7	0672.9	10.4	7.2	5.6	185	11.000
197.0	60.0	2195.7	0669.2	10.2	7.2	5.2	190	
207.0	63.0	2185.7	0666.2	10.2	7.2	4.8	190	
		2392.8	0729.3					0.000
		2392.8	0729.3					7.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 24 SEP 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2386.3	0727.3	16.8	8.0	8.7	215	
1.0	0.3	2385.4	0727.0	16.7	8.0	8.7	215	49.000
2.0	0.6	2384.4	0726.7	16.7	8.0	8.7	215	49.000
5.0	1.5	2381.4	0725.8	16.7	8.0	8.7	215	49.000
10.0	3.0	2376.4	0724.3	16.6	8.0	8.7	215	48.000
15.0	4.5	2371.4	0722.8	16.5	8.0	8.6	215	47.000
20.0	6.0	2366.4	0721.2	16.5	8.0	8.6	215	47.000
25.0	7.6	2361.4	0719.7	16.5	8.0	8.6	215	47.000
30.0	9.1	2356.4	0718.2	16.4	8.0	8.6	215	47.000
35.0	10.6	2351.4	0716.7	16.4	8.0	8.6	215	48.000
40.0	12.1	2346.4	0715.1	16.4	8.0	8.6	215	49.000
45.0	13.7	2341.4	0713.6	16.3	8.0	8.6	215	49.000
50.0	15.2	2336.4	0712.1	16.3	8.0	8.6	215	49.000
60.0	18.2	2326.4	0709.0	16.3	7.9	8.6	215	48.000
70.0	21.3	2316.4	0706.0	16.3	7.9	8.6	215	48.000
80.0	24.3	2306.4	0702.9	16.1	7.9	8.6	225	46.000
90.0	27.4	2296.4	0699.9	15.9	7.8	8.3	235	40.000
100.0	30.4	2286.4	0696.8	14.8	7.6	6.9	240	20.000
110.0	33.5	2276.4	0693.8	14.1	7.5	6.8	230	24.000
125.0	38.1	2261.4	0689.2	13.4	7.5	7.2	215	30.000
140.0	42.6	2246.4	0684.7	12.9	7.4	6.3	215	24.000
155.0	47.2	2231.4	0680.1	12.0	7.4	6.2	210	24.000
170.0	51.8	2216.4	0675.5	11.1	7.3	5.6	205	24.000
180.0	54.8	2206.4	0672.5	10.9	7.3	5.0	205	15.000
191.0	58.2	2195.4	0669.1	10.6	7.2	4.4	200	11.000
201.0	61.2	2185.4	0666.1	10.2	7.2	3.6	200	7.000

WATER QUALITY SAMPLING DATE: 02 OCT 73

0.1	0.0	2381.1	0725.7	15.8	7.9	8.0	215	
1.0	0.3	2380.2	0725.4	15.8	7.9	8.1	215	37.000
2.0	0.6	2379.2	0725.1	15.8	7.9	8.0	215	37.000
5.0	1.5	2376.2	0724.2	15.8	7.9	8.1	215	37.000
10.0	3.0	2371.2	0722.7	15.8	7.9	8.1	215	37.000
15.0	4.5	2366.2	0721.2	15.8	7.9	8.1	215	37.000
20.0	6.0	2361.2	0719.7	15.8	7.9	8.1	215	37.000
30.0	9.1	2351.2	0716.6	15.8	7.9	8.1	215	37.000
40.0	12.1	2341.2	0713.6	15.8	7.9	8.1	215	37.000
50.0	15.2	2331.2	0710.5	15.8	7.9	8.1	215	37.000
60.0	18.2	2321.2	0707.5	15.8	7.9	8.1	215	38.000
70.0	21.3	2311.2	0704.4	15.8	7.9	8.1	215	38.000
80.0	24.3	2301.2	0701.4	15.5	7.9	8.0	225	39.000
90.0	27.4	2291.2	0698.3	15.1	7.8	7.8	235	32.000
100.0	30.4	2281.2	0695.3	14.9	7.7	7.5	240	23.000
110.0	33.5	2271.2	0692.2	14.5	7.6	6.9	240	29.000
120.0	36.5	2261.2	0689.2	14.1	7.5	6.4	250	20.000
130.0	39.6	2251.2	0686.1	13.5	7.4	5.4	255	15.000
140.0	42.6	2241.2	0683.1	13.1	7.4	5.6	250	14.000
155.0	47.2	2226.2	0678.5	12.6	7.3	4.9	220	13.000
165.0	50.2	2216.2	0675.5	12.0	7.3	4.8	210	22.000
175.0	53.3	2206.2	0672.4	11.1	7.2	4.2	205	18.000
186.0	56.6	2195.2	0669.1	11.0	7.2	3.3	205	13.000
196.0	59.7	2185.2	0666.0	10.5	7.1	1.6	205	8.000

WATER QUALITY SAMPLING DATE: 10 OCT 73

0.1	0.0	2377.7	0724.7	14.7	7.9	8.4	225	
1.0	0.3	2376.8	0724.4	14.7	7.9	8.5	225	34.000
2.0	0.6	2375.8	0724.1	14.7	7.9	8.5	225	34.000
5.0	1.5	2372.8	0723.2	14.7	7.9	8.5	225	34.000
10.0	3.0	2367.8	0721.7	14.7	7.9	8.5	225	34.000
15.0	4.5	2362.8	0720.1	14.7	7.9	8.5	225	34.000
20.0	6.0	2357.8	0718.6	14.6	7.9	8.5	225	34.000
30.0	9.1	2347.8	0715.6	14.6	7.9	8.5	225	34.000
40.0	12.1	2337.8	0712.5	14.6	7.9	8.6	225	34.000
50.0	15.2	2327.8	0709.5	14.6	7.9	8.6	225	35.000
60.0	18.2	2317.8	0706.4	14.6	7.9	8.6	225	35.000
70.0	21.3	2307.8	0703.4	14.6	7.9	8.6	225	34.000
80.0	24.3	2297.8	0700.3	14.6	7.9	8.6	225	34.000
90.0	27.4	2287.8	0697.3	14.6	7.9	8.6	225	34.000
100.0	30.4	2277.8	0694.2	14.6	7.9	8.6	225	34.000
115.0	35.0	2262.8	0689.7	14.6	7.9	8.5	225	34.000
125.0	38.1	2252.8	0686.6	13.8	7.6	7.3	250	11.000
140.0	42.6	2237.8	0682.0	13.6	7.6	6.8	255	1.600
155.0	47.2	2222.8	0677.5	13.0	7.4	5.6	250	1.500
165.0	50.2	2212.8	0674.4	12.6	7.3	4.6	230	2.400
175.0	53.3	2202.8	0671.4	11.8	7.2	3.5	215	3.200
182.0	55.4	2195.8	0669.2	11.2	7.2	2.7	220	9.000
192.0	58.5	2185.8	0666.2	10.8	7.1	0.8	220	9.100

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 16 OCT 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2375.0	0723.9	14.0	7.9	8.5	225	29.000
1.0	0.3	2374.1	0723.6	14.0	7.9	8.5	225	29.000
2.0	0.6	2373.1	0723.3	14.0	7.9	8.5	225	28.000
5.0	1.5	2370.1	0722.4	14.0	7.9	8.5	225	27.000
10.0	3.0	2365.1	0720.9	14.0	7.9	8.5	225	27.000
20.0	6.0	2355.1	0717.8	14.0	7.9	8.5	225	27.000
30.0	9.1	2345.1	0714.8	14.0	7.9	8.5	225	27.000
40.0	12.1	2335.1	0711.7	14.0	7.9	8.5	225	27.000
50.0	15.2	2325.1	0708.7	14.0	7.9	8.5	225	27.000
60.0	18.2	2315.1	0705.6	14.0	7.9	8.5	225	27.000
70.0	21.3	2305.1	0702.6	14.0	7.9	8.5	225	27.000
80.0	24.3	2295.1	0699.5	14.0	7.9	8.5	225	27.000
90.0	27.4	2285.1	0696.5	14.0	7.9	8.5	225	27.000
105.0	32.0	2270.1	0691.9	13.9	7.9	8.5	225	27.000
120.0	36.5	2255.1	0687.3	13.6	7.7	7.8	240	9.000
135.0	41.1	2240.1	0682.8	13.3	7.6	6.9	245	1.400
150.0	45.7	2225.1	0678.2	13.1	7.5	6.4	250	1.000
160.0	48.7	2215.1	0675.1	13.0	7.4	5.9	245	0.600
170.0	51.8	2205.1	0672.1	12.0	7.3	3.9	225	0.900
180.0	54.8	2195.1	0669.0	11.0	7.2	2.1	220	3.400
190.0	57.9	2185.1	0666.0	10.8	7.2	0.9	220	3.800

WATER QUALITY SAMPLING DATE: 24 OCT 73

0.1	0.0	2371.5	0722.8	13.4	7.8	8.4	230	35.000
1.0	0.3	2370.6	0722.5	13.4	7.8	8.4	230	35.000
2.0	0.6	2369.6	0722.2	13.4	7.8	8.4	230	35.000
5.0	1.5	2366.6	0721.3	13.4	7.8	8.4	230	35.000
10.0	3.0	2361.6	0719.8	13.4	7.8	8.4	230	35.000
15.0	4.5	2356.6	0718.2	13.4	7.8	8.4	230	35.000
20.0	6.0	2351.6	0716.7	13.4	7.8	8.4	230	35.000
30.0	9.1	2341.6	0713.7	13.4	7.8	8.4	230	35.000
40.0	12.1	2331.6	0710.6	13.4	7.8	8.4	230	35.000
50.0	15.2	2321.6	0707.6	13.4	7.8	8.5	230	35.000
60.0	18.2	2311.6	0704.5	13.4	7.8	8.5	230	35.000
70.0	21.3	2301.6	0701.5	13.4	7.8	8.5	230	34.000
80.0	24.3	2291.6	0698.4	13.3	7.8	8.5	230	34.000
90.0	27.4	2281.6	0695.4	13.2	7.8	8.6	230	32.000
105.0	32.0	2266.6	0690.8	12.2	7.8	8.8	240	32.000
120.0	36.5	2251.6	0686.2	11.6	7.7	8.6	240	14.000
135.0	41.1	2236.6	0681.7	11.4	7.7	8.5	240	3.500
150.0	45.7	2221.6	0677.1	11.2	7.7	8.6	245	0.600
165.0	50.2	2206.6	0672.5	11.2	7.7	8.7	245	0.500
178.0	54.2	2193.6	0668.6	11.2	7.7	8.5	250	0.000
188.0	57.3	2183.6	0665.5	11.2	7.7	8.5	250	0.000

WATER QUALITY SAMPLING DATE: 29 OCT 73

0.1	0.0	2370.5	0722.5	13.0	7.8	8.9	230	31.000
1.0	0.3	2369.6	0722.2	13.0	7.8	8.9	230	31.000
2.0	0.6	2368.6	0721.9	13.0	7.8	8.9	230	31.000
5.0	1.5	2365.6	0721.0	13.0	7.8	8.9	230	29.000
10.0	3.0	2360.6	0719.5	13.0	7.8	8.9	230	31.000
20.0	6.0	2350.6	0716.4	13.0	7.8	9.0	230	32.000
30.0	9.1	2340.6	0713.4	13.0	7.8	9.2	230	33.000
40.0	12.1	2330.6	0710.3	13.0	7.8	9.2	230	34.000
50.0	15.2	2320.6	0707.3	13.0	7.8	9.2	230	34.000
60.0	18.2	2310.6	0704.2	13.0	7.8	9.2	230	34.000
70.0	21.3	2300.6	0701.2	13.0	7.8	9.2	230	34.000
80.0	24.3	2290.6	0698.1	13.0	7.8	9.3	230	33.000
90.0	27.4	2280.6	0695.1	13.0	7.8	9.3	230	34.000
105.0	32.0	2265.6	0690.5	12.8	7.8	9.4	230	36.000
120.0	36.5	2250.6	0685.9	11.8	7.8	9.4	240	19.000
135.0	41.1	2235.6	0681.4	10.6	7.7	9.3	255	0.100
150.0	45.7	2220.6	0676.8	10.4	7.7	9.3	255	0.000
165.0	50.2	2205.6	0672.2	10.4	7.7	9.2	255	0.000
177.0	53.9	2193.6	0668.6	10.2	7.7	9.2	255	0.000
187.0	56.9	2183.6	0665.5	10.2	7.7	9.0	255	0.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 13 NOV 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2365.2	0720.9	10.4	7.9	8.6	235	
1.0	0.3	2364.3	0720.6	10.4	7.9	8.6	235	26.000
2.0	0.6	2363.3	0720.3	10.4	7.9	8.7	235	26.000
5.0	1.5	2360.3	0719.4	10.4	7.9	8.9	235	26.000
10.0	3.0	2355.3	0717.8	10.4	7.9	9.0	235	26.000
20.0	6.0	2345.3	0714.8	10.4	7.9	9.2	235	26.000
30.0	9.1	2335.3	0711.7	10.2	7.9	9.4	235	26.000
40.0	12.1	2325.3	0708.7	10.2	7.9	9.7	235	26.000
50.0	15.2	2315.3	0705.7	10.2	7.9	9.7	235	26.000
60.0	18.2	2305.3	0702.6	10.2	7.9	9.8	235	26.000
70.0	21.3	2295.3	0699.6	10.0	7.9	10.0	235	26.000
80.0	24.3	2285.3	0696.5	10.0	7.9	10.0	230	21.000
95.0	28.0	2270.3	0691.9	9.8	8.0	10.1	230	16.000
110.0	33.5	2255.3	0687.4	9.6	8.0	10.1	230	9.800
125.0	38.1	2240.3	0682.8	9.4	8.0	10.2	230	3.700
140.0	42.6	2225.3	0678.2	9.2	8.0	10.2	235	0.800
155.0	47.2	2210.3	0673.6	9.2	8.0	10.2	235	1.400
170.0	51.8	2195.3	0669.1	9.2	8.0	10.2	235	1.200
180.0	54.8	2185.3	0666.0	9.2	7.9	10.2	235	0.100

WATER QUALITY SAMPLING DATE: 29 NOV 73

0.1	0.0	2364.3	0720.6	8.8	8.0	9.0	225	
1.0	0.3	2363.4	0720.3	8.8	8.0	9.0	225	41.000
2.0	0.6	2362.4	0720.0	8.8	8.0	9.0	225	41.000
5.0	1.5	2359.4	0719.1	8.8	8.0	9.0	225	41.000
10.0	3.0	2354.4	0717.6	8.8	8.0	9.0	225	40.000
15.0	4.5	2349.4	0716.1	8.8	8.0	9.0	225	40.000
20.0	6.0	2344.4	0714.5	8.8	8.0	8.9	225	40.000
30.0	9.1	2334.4	0711.5	8.8	8.0	8.9	225	40.000
40.0	12.1	2324.4	0708.4	8.8	8.0	9.0	225	39.000
50.0	15.2	2314.4	0705.4	8.7	8.0	9.0	230	39.000
60.0	18.2	2304.4	0702.3	8.7	8.0	9.0	230	36.000
70.0	21.3	2294.4	0699.3	8.7	8.0	9.0	230	37.000
80.0	24.3	2284.4	0696.2	8.7	8.0	9.1	230	40.000
90.0	27.4	2274.4	0693.2	8.7	8.0	9.1	230	39.000
100.0	30.4	2264.4	0690.1	8.5	8.0	9.2	230	37.000
110.0	33.5	2254.4	0687.1	8.2	8.0	9.3	230	25.000
120.0	36.5	2244.4	0684.0	7.1	8.0	9.4	235	10.000
130.0	39.6	2234.4	0681.0	6.9	8.0	9.5	235	4.000
140.0	42.6	2224.4	0678.0	6.9	8.0	9.5	235	3.300
150.0	45.7	2214.4	0674.9	6.9	8.0	9.5	235	3.100
160.0	48.7	2204.4	0671.9	6.9	8.0	9.4	235	3.100
170.0	51.8	2194.4	0668.8	6.9	8.0	9.4	235	1.900
180.0	54.8	2184.4	0665.8	6.9	8.0	9.4	235	1.500

WATER QUALITY SAMPLING DATE: 05 DEC 73

0.1	0.0	2365.2	0720.9	8.2	8.0	9.5	230	
1.0	0.3	2364.3	0720.6	8.2	8.0	9.5	230	45.000
2.0	0.6	2363.3	0720.3	8.2	8.0	9.5	230	45.000
5.0	1.5	2360.3	0719.4	8.2	8.0	9.5	230	45.000
10.0	3.0	2355.3	0717.9	8.2	8.0	9.5	230	45.000
15.0	4.5	2350.3	0716.3	8.2	8.0	9.5	230	45.000
20.0	6.0	2345.3	0714.8	8.1	8.0	9.5	230	45.000
30.0	9.1	2335.3	0711.8	8.1	8.0	9.5	230	45.000
40.0	12.1	2325.3	0708.7	8.1	8.0	9.5	230	45.000
50.0	15.2	2315.3	0705.7	8.1	8.0	9.6	230	45.000
60.0	18.2	2305.3	0702.6	8.1	8.0	9.6	230	45.000
70.0	21.3	2295.3	0699.6	8.1	8.0	9.6	230	45.000
80.0	24.3	2285.3	0696.5	8.1	8.0	9.6	230	45.000
90.0	27.4	2275.3	0693.5	8.0	8.0	9.6	230	45.000
100.0	30.4	2265.3	0690.4	7.5	8.0	9.7	230	42.000
110.0	33.5	2255.3	0687.4	6.5	8.0	9.9	230	14.000
120.0	36.5	2245.3	0684.3	5.8	8.0	9.9	230	6.000
130.0	39.6	2235.3	0681.3	5.8	8.0	9.9	230	4.500
140.0	42.6	2225.3	0678.2	5.8	8.0	9.9	230	3.800
150.0	45.7	2215.3	0675.2	5.8	8.0	9.9	230	3.600
160.0	48.7	2205.3	0672.1	5.8	8.0	10.0	230	3.400
170.0	51.8	2195.3	0669.1	5.8	8.0	10.0	230	2.800
180.0	54.8	2185.3	0666.0	5.8	8.0	10.0	230	2.500

TABLE 14. STATION NO. 12301R30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 19 DEC 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2366.7	0721.3	7.0	7.9	9.8	220	
1.0	0.3	2365.8	0721.1	7.0	7.9	9.8	220	49.000
2.0	0.6	2364.8	0720.8	7.0	7.9	9.8	220	48.000
5.0	1.5	2361.8	0719.9	7.0	7.9	9.8	220	48.000
10.0	3.0	2356.8	0718.3	7.2	8.0	9.8	220	48.000
25.0	7.6	2341.8	0713.8	7.2	8.0	9.8	220	48.000
40.0	12.1	2326.8	0709.2	7.2	8.0	9.8	220	48.000
55.0	16.7	2311.8	0704.6	7.2	8.0	9.8	220	48.000
70.0	21.3	2296.8	0700.0	7.2	8.0	9.8	220	48.000
85.0	25.9	2281.8	0695.5	7.0	8.0	9.8	220	48.000
100.0	30.4	2266.8	0690.9	7.0	8.0	9.7	220	48.000
115.0	35.0	2251.8	0686.3	6.0	7.9	9.7	225	25.000
130.0	39.6	2236.8	0681.8	5.8	7.9	9.7	225	14.000
145.0	44.1	2221.8	0677.2	5.8	7.8	9.7	215	13.000
160.0	48.7	2206.8	0672.6	5.8	7.8	9.7	215	12.000
173.0	52.7	2193.8	0668.6	5.8	7.8	9.7	215	11.000
183.0	55.7	2183.8	0665.6	5.7	7.8	9.7	215	10.000

WATER QUALITY SAMPLING DATE: 03 APR 74

0.0	0.0	2305.9	0702.8	2.6	8.3	11.9	260	
1.0	0.3	2304.9	0702.5	2.6	8.3	11.9	260	48.000
2.0	0.6	2303.9	0702.2	2.6	8.3	11.9	260	47.000
5.0	1.5	2300.9	0701.3	2.6	8.3	11.9	260	47.000
10.0	3.0	2295.9	0699.7	2.6	8.3	11.9	260	48.000
15.0	4.5	2290.9	0698.2	2.6	8.3	11.9	260	48.000
20.0	6.0	2285.9	0696.7	2.6	8.3	11.9	260	47.000
30.0	9.1	2275.9	0693.7	2.6	8.3	11.9	260	47.000
40.0	12.1	2265.9	0690.6	2.6	8.4	12.0	260	47.000
50.0	15.2	2255.9	0687.6	2.5	8.4	11.9	260	47.000
60.0	18.2	2245.9	0684.5	2.5	8.3	11.8	260	47.000
70.0	21.3	2235.9	0681.5	2.5	8.3	11.8	260	47.000
80.0	24.3	2225.9	0678.4	2.6	8.2	11.8	260	47.000
90.0	27.4	2215.9	0675.4	2.6	8.2	11.8	260	47.000
100.0	30.4	2205.9	0672.3	2.6	8.2	11.8	260	47.000
110.0	33.5	2195.9	0669.3	2.7	8.2	11.8	265	45.000
118.0	35.9	2187.9	0666.8	2.7	8.2	11.7	265	44.000
128.0	39.0	2177.9	0663.8	2.6	8.2	11.7	265	44.000

WATER QUALITY SAMPLING DATE: 10 APR 74

0.0	0.0	2305.5	0702.7	3.2	8.3	12.1	265	7.300
1.0	0.3	2304.5	0702.4	3.2	8.3	12.1	265	7.300
2.0	0.6	2303.5	0702.1	3.2	8.3	12.1	265	7.300
5.0	1.5	2300.5	0701.2	3.2	8.3	12.1	265	7.300
10.0	3.0	2295.5	0699.6	3.2	8.3	12.2	265	7.300
15.0	4.5	2290.5	0698.1	3.2	8.3	12.1	265	7.300
20.0	6.0	2285.5	0696.6	3.2	8.3	12.1	265	7.300
30.0	9.1	2275.5	0693.5	3.2	8.4	12.1	265	7.300
40.0	12.1	2265.5	0690.5	3.2	8.4	12.2	265	7.300
50.0	15.2	2255.5	0687.4	3.0	8.3	12.2	265	7.300
60.0	18.2	2245.5	0684.4	3.0	8.3	12.1	270	7.300
70.0	21.3	2235.5	0681.3	3.0	8.2	12.0	270	7.300
80.0	24.3	2225.5	0678.3	3.0	8.2	12.0	270	7.300
90.0	27.4	2215.5	0675.3	3.0	8.2	12.0	270	6.300
100.0	30.4	2205.5	0672.2	3.0	8.2	12.0	270	6.300
114.0	34.7	2191.5	0667.9	3.0	8.2	12.0	270	6.300
124.0	37.7	2181.5	0664.9	3.0	8.2	12.0	270	6.300

WATER QUALITY SAMPLING DATE: 17 APR 74

0.0	0.0	2305.7	0702.7	4.3	8.2	12.7	260	
1.0	0.3	2304.7	0702.4	4.3	8.2	12.7	260	8.500
2.0	0.6	2303.7	0702.1	4.3	8.2	12.7	260	8.500
5.0	1.5	2300.7	0701.2	4.2	8.2	12.7	260	7.300
10.0	3.0	2295.7	0699.7	4.1	8.2	12.7	260	6.800
15.0	4.5	2290.7	0698.2	4.1	8.2	12.6	260	6.300
20.0	6.0	2285.7	0696.6	4.1	8.2	12.6	260	6.300
30.0	9.1	2275.7	0693.6	4.1	8.2	12.5	265	6.300
40.0	12.1	2265.7	0690.5	4.1	8.2	12.0	265	6.300
50.0	15.2	2255.7	0687.5	4.1	8.2	11.9	275	4.900
60.0	18.2	2245.7	0684.5	4.1	8.3	11.9	275	4.500
70.0	21.3	2235.7	0681.4	4.1	8.3	11.9	275	3.100
80.0	24.3	2225.7	0678.4	4.1	8.3	11.9	275	2.600
90.0	27.4	2215.7	0675.3	4.1	8.3	11.9	275	2.600
100.0	30.4	2205.7	0672.3	4.1	8.3	11.9	275	2.600
110.0	33.5	2195.7	0669.2	4.1	8.4	11.9	275	2.600
116.0	35.3	2189.7	0667.4	4.1	8.4	11.9	275	2.600
126.0	38.4	2179.7	0664.3	4.1	8.4	11.9	275	2.600

TABLE 14. STATION NO. 12301930, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 25 APR 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2306.0	0702.8	7.4	8.4	11.7	275	
1.0	0.3	2305.0	0702.5	7.4	8.4	11.7	275	0.620
2.0	0.6	2304.0	0702.2	7.4	8.4	11.7	275	0.620
5.0	1.5	2301.0	0701.3	7.4	8.4	11.7	265	0.530
10.0	3.0	2296.0	0699.8	7.3	8.4	11.7	265	0.530
15.0	4.5	2291.0	0698.3	7.3	8.4	11.7	265	0.530
20.0	6.0	2286.0	0696.7	6.7	8.4	11.7	265	0.620
30.0	9.1	2276.0	0693.7	6.5	8.4	11.8	265	0.710
40.0	12.1	2266.0	0690.7	6.0	8.4	11.8	260	0.620
50.0	15.2	2256.0	0687.6	5.2	8.4	12.0	255	1.300
60.0	18.2	2246.0	0684.6	5.0	8.3	12.0	255	1.700
70.0	21.3	2236.0	0681.5	4.5	8.3	12.0	260	3.100
80.0	24.3	2226.0	0678.5	4.4	8.3	12.0	260	4.900
90.0	27.4	2216.0	0675.4	4.4	8.3	12.0	260	4.900
100.0	30.4	2206.0	0672.4	4.4	8.3	12.0	260	4.900
110.0	33.5	2196.0	0669.3	4.4	8.3	12.0	265	4.900
116.0	35.3	2190.0	0667.5	4.3	8.3	12.0	265	4.900
126.0	38.4	2180.0	0664.4	4.3	8.3	11.8	265	4.900

WATER QUALITY SAMPLING DATE: 02 MAY 74

0.0	0.0	2307.0	0703.1	9.4	8.3	11.0	230	
1.0	0.3	2306.0	0702.8	9.4	8.3	11.0	230	0.160
2.0	0.6	2305.0	0702.5	9.4	8.3	10.6	230	0.160
5.0	1.5	2302.0	0701.6	9.4	8.3	10.6	230	0.130
10.0	3.0	2297.0	0700.1	9.0	8.3	10.6	235	0.130
15.0	4.5	2292.0	0698.6	9.0	8.4	10.6	235	0.100
20.0	6.0	2287.0	0697.0	9.0	8.4	10.6	235	0.100
30.0	9.1	2277.0	0694.0	8.6	8.3	10.5	230	1.200
40.0	12.1	2267.0	0690.9	8.0	8.3	10.4	225	0.040
50.0	15.2	2257.0	0687.9	8.0	8.3	10.4	225	0.070
60.0	18.2	2247.0	0684.8	7.6	8.4	10.2	225	0.130
70.0	21.3	2237.0	0681.8	7.2	8.3	10.2	240	0.620
80.0	24.3	2227.0	0678.7	6.0	8.4	10.2	245	1.700
90.0	27.4	2217.0	0675.7	5.8	8.3	10.2	245	3.100
100.0	30.4	2207.0	0672.6	5.8	8.3	10.2	245	2.800
110.0	33.5	2197.0	0669.6	5.8	8.2	10.2	245	3.100
117.0	35.6	2190.0	0667.5	5.8	8.2	10.2	245	3.100
127.0	38.7	2180.0	0664.4	5.8	8.1	10.2	245	2.800

WATER QUALITY SAMPLING DATE: 08 MAY 74

0.0	0.0	2310.9	0704.3	10.4	8.5	11.8	235	
1.0	0.3	2309.9	0704.0	10.4	8.5	11.8	235	0.460
2.0	0.6	2308.9	0703.7	10.4	8.5	11.8	235	0.390
5.0	1.5	2305.9	0702.8	10.0	8.4	11.1	230	0.280
10.0	3.0	2300.9	0701.3	9.8	8.4	11.2	230	0.160
15.0	4.5	2295.9	0699.7	9.8	8.4	10.9	220	0.080
20.0	6.0	2290.9	0698.2	9.4	8.4	10.7	215	0.050
30.0	9.1	2280.9	0695.2	8.8	8.3	11.0	200	0.002
40.0	12.1	2270.9	0692.1	8.0	8.3	11.2	195	0.000
50.0	15.2	2260.9	0689.1	7.8	8.3	11.0	195	0.000
60.0	18.2	2250.9	0686.0	7.5	8.2	10.6	195	0.000
70.0	21.3	2240.9	0683.0	7.5	8.2	10.6	195	0.000
80.0	24.3	2230.9	0679.9	7.5	8.2	10.7	195	0.000
85.0	25.9	2225.9	0678.4	7.2	8.3	10.5	205	0.000
90.0	27.4	2220.9	0676.9	6.6	8.3	10.3	230	0.000
95.0	28.9	2215.9	0675.4	6.2	8.3	10.5	245	0.000
110.0	33.5	2200.9	0670.8	5.7	8.3	10.7	255	0.000
110.0	33.5	2200.9	0670.8	5.5	8.3	10.6	255	2.800
115.0	35.0	2195.9	0669.3	5.5	8.3	10.7	255	3.800
125.0	38.1	2185.9	0666.2	5.5	8.2	10.7	255	3.800

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT FARMILE CREEK

WATER QUALITY SAMPLING DATE: 16 MAY 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2326.8	0709.2	9.4	8.3	11.2	215	
1.0	0.3	2325.8	0708.9	9.4	8.3	11.2	215	
2.0	0.6	2324.8	0708.5	9.4	8.3	11.2	215	
5.0	1.5	2321.8	0707.6	9.4	8.3	11.0	215	
10.0	3.0	2316.8	0706.1	9.2	8.3	11.0	220	
15.0	4.5	2311.8	0704.6	9.2	8.2	11.0	220	
20.0	6.0	2306.8	0703.1	9.2	8.2	11.0	220	
30.0	9.1	2296.8	0700.0	9.2	8.2	10.8	220	
40.0	12.1	2286.8	0697.0	9.2	8.2	10.8	220	
50.0	15.2	2276.8	0693.9	9.0	8.2	10.8	205	
60.0	18.2	2266.8	0690.9	8.8	8.1	10.8	190	
70.0	21.3	2256.8	0687.8	8.2	8.0	10.6	190	
80.0	24.3	2246.8	0684.8	8.0	8.0	10.6	180	
90.0	27.4	2236.8	0681.7	8.0	8.0	10.6	180	
100.0	30.4	2226.8	0678.7	7.8	8.0	10.6	195	
110.0	33.5	2216.8	0675.6	7.4	8.0	10.4	195	
115.0	35.0	2211.8	0674.1	6.8	8.0	10.0	210	
120.0	36.5	2206.8	0672.6	6.0	8.0	10.0	245	
130.0	39.6	2196.8	0669.5	5.8	8.0	9.8	245	
133.0	40.5	2193.8	0668.6	5.8	8.0	9.8	245	
143.0	43.5	2183.8	0665.6	5.8	8.0	9.8	245	

WATER QUALITY SAMPLING DATE: 23 MAY 74

0.0	0.0	2328.6	0709.7	9.6	8.4	10.6	205	
1.0	0.3	2327.6	0709.4	9.6	8.4	10.6	205	0.620
2.0	0.6	2326.6	0709.1	9.5	8.4	10.6	205	0.620
5.0	1.5	2323.6	0708.2	9.5	8.4	10.6	205	0.620
10.0	3.0	2318.6	0706.7	9.5	8.4	10.6	205	0.620
15.0	4.5	2313.6	0705.1	9.4	8.4	10.5	205	0.620
20.0	6.0	2308.6	0703.6	9.2	8.4	10.4	205	0.620
30.0	9.1	2298.6	0700.6	9.0	8.4	10.4	200	0.230
40.0	12.1	2288.6	0697.5	8.8	8.3	10.3	190	0.020
50.0	15.2	2278.6	0694.5	8.3	8.3	10.2	180	0.000
60.0	18.2	2268.6	0691.4	8.0	8.2	10.2	180	0.000
70.0	21.3	2258.6	0688.4	7.9	8.2	10.2	175	0.000
80.0	24.3	2248.6	0685.3	7.7	8.2	10.2	175	0.000
90.0	27.4	2238.6	0682.3	7.6	8.2	10.2	180	0.000
100.0	30.4	2228.6	0679.2	7.6	8.2	10.2	180	0.000
110.0	33.5	2218.6	0676.2	7.6	8.2	10.2	180	0.000
120.0	36.5	2208.6	0673.1	7.3	8.2	10.2	190	0.000
130.0	39.6	2198.6	0670.1	6.9	8.1	9.7	210	0.000
140.0	42.6	2188.6	0667.0	6.0	8.0	8.9	235	0.000
150.0	45.7	2178.6	0664.0	6.0	8.0	8.8	245	0.000

WATER QUALITY SAMPLING DATE: 29 MAY 74

0.0	0.0	2338.9	0712.9	11.7	8.6	11.5	210	
1.0	0.3	2337.9	0712.6	11.7	8.6	11.5	210	3.800
2.0	0.6	2336.9	0712.3	11.7	8.6	11.5	210	3.800
5.0	1.5	2333.9	0711.4	11.7	8.6	11.5	210	3.800
10.0	3.0	2328.9	0709.8	11.5	8.6	11.2	210	3.800
15.0	4.5	2323.9	0708.3	11.5	8.6	11.2	210	3.400
20.0	6.0	2318.9	0706.8	11.0	8.6	10.9	205	2.600
25.0	7.6	2313.9	0705.3	10.3	8.5	10.8	200	1.500
30.0	9.1	2308.9	0703.7	10.0	8.4	10.6	200	1.300
40.0	12.1	2298.9	0700.7	9.2	8.4	10.5	200	0.710
50.0	15.2	2288.9	0697.6	8.9	8.4	10.5	200	0.230
60.0	18.2	2278.9	0694.6	8.4	8.3	10.5	195	0.080
70.0	21.3	2268.9	0691.5	8.1	8.3	10.5	195	0.020
80.0	24.3	2258.9	0688.5	7.9	8.3	10.5	195	0.010
90.0	27.4	2248.9	0685.4	7.9	8.3	10.5	195	0.004
100.0	30.4	2238.9	0682.4	7.8	8.3	10.5	190	0.002
110.0	33.5	2228.9	0679.3	7.8	8.3	10.5	190	0.000
120.0	36.5	2218.9	0676.3	7.7	8.2	10.3	190	0.000
130.0	39.6	2208.9	0673.3	7.5	8.2	10.1	190	0.000
140.0	42.6	2198.9	0670.2	7.2	8.1	9.6	205	0.000
147.0	44.8	2191.9	0668.1	6.3	8.0	8.8	230	0.030
157.0	47.8	2181.9	0665.0	6.3	8.0	8.8	230	0.030



TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 13 JUN 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2372.0	0723.0	13.0	8.5	10.2	200	
1.4	0.4	2370.6	0722.5	12.8	8.5	10.2	200	8.500
2.0	0.6	2370.0	0722.3	12.8	8.5	10.2	200	8.500
4.9	1.4	2367.1	0721.5	12.7	8.5	10.2	200	6.300
10.0	3.0	2362.0	0719.9	12.4	8.4	10.4	195	6.300
15.0	4.5	2357.0	0718.4	12.0	8.3	10.0	195	6.800
20.0	6.0	2352.0	0716.9	11.7	8.2	9.9	195	6.800
30.0	9.1	2342.0	0713.8	11.2	8.2	9.7	185	9.200
40.0	12.1	2332.0	0710.8	10.0	8.1	10.0	175	0.007
50.0	15.2	2322.0	0707.7	9.8	8.0	10.0	170	0.000
60.0	18.2	2312.0	0704.7	9.3	8.0	10.1	165	0.000
70.0	21.3	2302.0	0701.6	9.1	8.0	10.1	165	0.000
80.0	24.3	2292.0	0698.6	9.1	8.0	10.1	165	0.000
90.0	27.4	2282.0	0695.5	9.0	8.0	10.0	165	0.000
100.0	30.4	2272.0	0692.5	9.0	8.0	10.1	170	0.000
110.0	33.5	2262.0	0689.4	8.9	8.0	10.1	180	0.000
120.0	36.5	2252.0	0686.4	8.7	8.0	10.0	180	0.007
130.0	39.6	2242.0	0683.3	8.7	8.0	9.8	185	0.070
140.0	42.6	2232.0	0680.3	8.3	8.0	9.8	185	0.230
150.0	45.7	2222.0	0677.2	8.0	7.9	9.8	190	0.620
160.0	48.7	2212.0	0674.2	8.0	7.9	9.6	190	0.620
170.0	51.8	2202.0	0671.1	8.0	7.9	9.4	190	0.810
176.0	53.6	2196.0	0669.3	7.8	7.8	9.2	195	0.810
186.0	56.6	2186.0	0666.3	7.2	7.8	7.4	210	0.160

WATER QUALITY SAMPLING DATE: 27 JUN 74

0.0	0.0	2434.3	0741.9	18.5	8.5	8.7	185	
1.0	0.3	2433.3	0741.6	18.4	8.5	8.7	185	21.000
2.0	0.6	2432.3	0741.3	18.2	8.5	8.7	185	21.000
3.4	1.0	2430.9	0740.9	18.2	8.5	9.1	185	23.000
5.0	1.5	2429.3	0740.4	18.0	8.5	8.7	185	24.000
10.0	3.0	2424.3	0738.9	17.6	8.5	9.0	190	21.000
16.9	5.1	2417.0	0736.8	15.0	8.3	9.0	190	7.900
20.0	6.0	2414.3	0735.8	12.8	8.3	9.5	185	16.000
25.0	7.6	2409.3	0730.3	11.0	8.2	10.1	165	0.020
30.0	9.1	2404.3	0732.8	10.5	8.2	10.2	160	0.000
35.0	10.6	2399.3	0731.3	10.2	8.2	9.7	155	0.000
40.0	12.1	2394.3	0729.8	10.2	8.2	10.1	155	0.000
50.0	15.2	2384.3	0726.7	10.2	8.2	10.1	155	0.000
60.0	18.2	2374.3	0723.7	10.2	8.2	9.7	155	0.000
70.0	21.3	2364.3	0720.6	10.2	8.2	9.7	155	0.000
80.0	24.3	2354.3	0717.6	10.0	8.2	10.0	155	0.000
90.0	27.4	2344.3	0714.5	10.0	8.2	9.7	155	0.000
100.0	30.4	2334.3	0711.5	10.0	8.2	9.7	155	0.000
115.0	35.0	2319.3	0706.9	9.8	8.2	9.8	155	0.000
130.0	39.6	2304.3	0702.3	9.6	8.2	9.8	155	0.000
145.0	44.1	2289.3	0697.7	9.4	8.1	10.1	165	0.000
160.0	48.7	2274.3	0693.2	9.0	8.0	10.1	170	0.007
175.0	53.3	2259.3	0688.6	8.8	7.8	10.0	170	0.070
190.0	57.9	2244.3	0684.0	8.6	7.8	10.0	180	0.190
205.0	62.4	2229.3	0679.5	8.2	7.7	9.7	180	0.810
220.0	67.0	2214.3	0674.9	8.0	7.6	9.1	190	2.600
234.0	71.3	2200.3	0670.6	8.0	7.6	8.8	190	2.600
244.0	74.3	2190.3	0667.6	7.8	7.6	8.6	190	3.600

TABLE 14. STATION NO. 12301A30, LAKE KOCANUSA AT TENNILE CREEK

WATER QUALITY SAMPLING DATE: 11 JUL 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2447.5	0746.0	14.9	8.5	8.8	170	
0.2	0.0	2447.3	0745.9	14.9	8.5	8.8	170	0.190
1.0	0.3	2446.5	0745.7	14.9	8.5	8.8	170	0.190
2.0	0.6	2445.5	0745.4	14.9	8.5	8.8	170	0.190
4.7	1.4	2442.8	0744.5	14.9	8.5	8.8	170	0.190
10.0	3.0	2437.5	0742.9	14.8	8.5	9.0	170	0.190
15.0	4.5	2432.5	0741.4	14.8	8.5	8.9	170	0.190
20.0	6.0	2427.5	0739.9	14.6	8.5	8.9	170	0.160
25.0	7.6	2422.5	0738.3	14.2	8.5	8.8	170	0.070
30.0	9.1	2417.5	0736.8	13.5	8.4	8.9	165	0.010
40.0	12.1	2407.5	0733.8	13.0	8.4	8.8	160	0.000
50.0	15.2	2397.5	0730.7	12.1	8.4	9.0	155	0.000
60.0	18.2	2387.5	0727.7	11.9	8.4	9.2	155	0.000
70.0	21.3	2377.5	0724.6	11.2	8.4	9.0	150	0.000
80.0	24.3	2367.5	0721.6	11.0	8.4	9.2	150	0.000
90.0	27.4	2357.5	0718.5	10.9	8.4	9.2	150	0.000
100.0	30.4	2347.5	0715.5	10.8	8.4	9.2	150	0.000
110.0	33.5	2337.5	0712.4	10.6	8.4	9.2	155	0.000
120.0	36.5	2327.5	0709.4	10.4	8.2	9.2	155	0.000
130.0	39.6	2317.5	0706.3	10.3	8.1	9.2	155	0.000
140.0	42.6	2307.5	0703.3	10.1	8.1	9.3	155	0.000
150.0	45.7	2297.5	0700.2	10.1	8.1	9.3	155	0.000
160.0	48.7	2287.5	0697.2	10.1	8.1	9.4	155	0.000
175.0	53.3	2272.5	0692.6	10.0	8.1	9.4	160	0.000
190.0	57.9	2257.5	0688.0	9.5	8.0	9.4	165	0.000
205.0	62.4	2242.5	0683.5	9.1	8.0	9.4	170	0.000
220.0	67.0	2227.5	0678.9	8.9	8.0	8.8	170	0.030
235.0	71.6	2212.5	0674.3	8.6	8.0	8.3	180	0.130
250.0	76.2	2197.5	0669.8	8.2	8.0	7.8	180	0.280
260.0	79.2	2187.5	0665.7	8.2	8.0	7.8	180	0.220

WATER QUALITY SAMPLING DATE: 25 JUL 74

0.0	0.0	2458.9	0749.5	18.4	8.4	9.2	170	
1.0	0.3	2457.9	0749.1	18.4	8.4	9.2	170	27.000
1.9	0.5	2457.0	0748.9	18.4	8.4	9.2	170	25.000
5.0	1.5	2453.9	0747.9	18.0	8.4	9.2	175	25.000
9.3	2.8	2449.6	0746.6	17.4	8.4	8.9	175	21.000
10.0	3.0	2448.0	0746.4	16.8	8.4	8.9	165	21.000
15.0	4.5	2443.9	0744.9	15.0	8.2	8.4	165	12.000
19.0	5.7	2439.9	0743.7	13.6	8.2	8.6	165	1.900
25.0	7.6	2433.9	0741.8	12.8	8.2	8.8	165	0.530
30.0	9.1	2428.9	0740.3	12.6	8.2	9.0	165	0.100
35.0	10.6	2423.9	0738.8	12.6	8.2	9.0	165	0.080
40.0	12.1	2418.9	0737.3	12.4	8.2	9.0	165	0.070
45.0	13.7	2413.9	0735.7	12.2	8.2	9.1	160	0.030
50.0	15.2	2408.9	0734.2	11.8	8.2	9.1	155	0.007
60.0	18.2	2398.9	0731.2	11.6	8.2	9.2	155	0.004
70.0	21.3	2388.9	0728.1	11.2	8.2	9.2	160	0.002
80.0	24.3	2378.9	0725.1	11.0	8.2	9.3	160	0.002
90.0	27.4	2368.9	0722.0	11.0	8.2	9.4	160	0.000
100.0	30.4	2358.9	0719.0	10.8	8.2	9.4	160	0.000
110.0	33.5	2348.9	0715.9	10.8	8.1	9.4	160	0.000
120.0	36.5	2338.9	0712.9	10.6	8.1	9.4	155	0.000
130.0	39.6	2328.9	0709.8	10.6	8.0	9.4	145	0.000
140.0	42.6	2318.9	0706.8	10.4	8.0	9.5	145	0.000
155.0	47.2	2303.9	0702.2	10.2	7.9	9.5	150	0.000
170.0	51.8	2288.9	0697.6	10.0	7.9	9.4	160	0.000
185.0	56.3	2273.9	0693.1	10.0	7.9	9.6	160	0.000
200.0	60.9	2258.9	0688.5	9.8	7.9	9.6	160	0.000
215.0	65.5	2243.9	0683.9	9.8	7.9	9.6	165	0.000
230.0	70.1	2228.9	0679.3	9.0	7.8	9.2	165	0.007
245.0	74.6	2213.9	0674.7	8.8	7.7	8.3	180	0.010
260.0	79.2	2198.9	0670.2	8.6	7.7	8.0	180	0.010
270.0	82.2	2188.9	0667.2	8.6	7.7	7.2	180	0.007

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 08 AUG 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.7	0749.4	19.6	8.5	8.3	175	
1.0	0.3	2457.7	0749.1	19.6	8.5	8.3	175	39.000
2.0	0.6	2456.7	0748.8	19.5	8.5	8.3	175	39.000
5.0	1.5	2453.7	0747.8	19.5	8.5	8.5	175	39.000
10.0	3.0	2448.7	0746.3	19.5	8.5	8.5	175	39.000
15.0	4.5	2443.7	0744.8	19.2	8.5	8.5	170	39.000
20.0	6.0	2438.7	0743.3	18.7	8.4	8.5	170	37.000
25.0	7.6	2433.7	0741.7	16.9	8.2	8.3	165	33.000
30.0	9.1	2428.7	0740.2	14.9	8.2	8.5	165	27.000
40.0	12.1	2418.7	0737.2	12.9	8.2	8.6	165	9.800
50.0	15.2	2408.7	0734.1	12.2	8.2	8.9	165	3.800
60.0	18.2	2398.7	0731.1	12.0	8.2	8.9	160	0.810
70.0	21.3	2388.7	0728.0	11.8	8.1	9.1	160	0.390
80.0	24.3	2378.7	0725.0	11.5	8.1	9.2	160	0.230
90.0	27.4	2368.7	0721.9	11.2	8.1	9.2	160	0.070
100.0	30.4	2358.7	0718.9	11.1	8.0	9.2	160	0.030
110.0	33.5	2348.7	0715.8	11.0	8.0	9.2	160	0.010
120.0	36.5	2338.7	0712.8	10.9	8.0	9.2	160	0.002
130.0	39.6	2328.7	0709.7	10.9	7.9	9.2	160	0.002
140.0	42.6	2318.7	0706.7	10.8	7.9	9.2	150	0.002
155.0	47.2	2303.7	0702.1	10.4	7.9	9.2	155	0.000
170.0	51.8	2288.7	0697.5	10.1	7.9	9.2	155	0.000
185.0	56.3	2273.7	0693.0	10.0	7.9	9.2	160	0.000
200.0	60.9	2258.7	0688.4	9.8	7.9	9.3	160	0.000
215.0	65.5	2243.7	0683.8	9.8	7.8	9.2	160	0.000
230.0	70.1	2228.7	0679.3	9.2	7.8	9.1	165	0.002
245.0	74.6	2213.7	0674.7	9.0	7.8	8.1	170	0.020
260.0	79.2	2198.7	0670.1	8.8	7.8	7.0	180	0.050
270.0	82.2	2188.7	0667.1	8.7	7.8	6.6	180	0.020

WATER QUALITY SAMPLING DATE: 22 AUG 74

0.0	0.0	2458.9	0749.4	18.0	8.4	8.7	150	
1.0	0.3	2457.0	0749.1	18.0	8.4	8.7	150	43.000
2.0	0.6	2456.9	0748.8	18.0	8.4	8.7	150	43.000
2.9	0.8	2456.0	0748.6	17.8	8.4	8.7	150	43.000
5.0	1.5	2453.9	0747.9	17.8	8.4	8.7	150	41.000
10.0	3.0	2448.9	0746.4	17.5	8.4	8.7	150	41.000
15.0	4.5	2443.9	0744.9	17.2	8.4	8.7	150	39.000
20.0	6.0	2438.9	0743.3	17.2	8.3	8.7	150	39.000
25.0	7.6	2433.9	0741.8	16.8	8.3	8.7	150	37.000
30.5	9.2	2428.9	0740.1	16.2	8.2	8.5	150	37.000
40.0	12.1	2418.9	0737.2	14.5	8.1	8.3	150	21.000
50.0	15.2	2408.9	0734.2	13.8	8.1	8.3	145	15.000
60.0	18.2	2398.9	0731.2	13.0	8.1	8.6	145	9.200
70.0	21.3	2388.9	0728.1	12.0	8.1	8.7	145	4.900
80.0	24.3	2378.9	0725.1	12.0	8.1	8.9	145	2.600
90.0	27.4	2368.9	0722.0	11.5	8.2	9.1	145	1.500
100.0	30.4	2358.9	0719.0	11.1	8.2	9.1	145	0.460
110.0	33.5	2348.9	0715.9	11.0	8.2	9.1	140	0.100
120.0	36.5	2338.9	0712.9	11.0	8.2	9.1	140	0.070
130.0	39.6	2328.9	0709.8	10.8	8.2	9.1	140	0.030
140.0	42.6	2318.9	0706.8	10.6	8.2	9.2	140	0.004
155.0	47.2	2303.9	0702.2	10.4	8.2	9.2	140	0.000
170.0	51.8	2288.9	0697.6	10.2	8.1	9.2	140	0.000
185.0	56.3	2273.9	0693.1	10.0	8.0	9.2	140	0.000
200.0	60.9	2258.9	0688.5	9.8	8.0	9.1	140	0.000
215.0	65.5	2243.9	0683.9	9.5	7.9	9.0	150	0.000
230.0	70.1	2228.9	0679.3	9.2	7.9	8.8	150	0.004
245.0	74.6	2213.9	0674.8	9.0	7.8	7.1	155	0.080
259.0	78.9	2199.9	0670.5	8.6	7.7	6.1	160	0.190
269.0	81.9	2189.9	0667.4	8.6	7.6	4.7	165	0.130

TABLE 14. STATION NO. 12301A30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 03 SEP 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHQS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2459.0	0749.5	17.2	8.0	8.2	170	
1.0	0.3	2458.0	0749.2	17.2	8.0	8.2	170	60.000
2.0	0.6	2457.0	0748.8	17.2	8.0	8.2	170	60.000
5.0	1.5	2454.0	0747.9	17.1	8.0	8.3	170	60.000
10.0	3.0	2449.0	0746.4	17.0	8.0	8.4	170	60.000
15.0	4.5	2444.0	0744.9	17.0	8.0	8.3	170	60.000
20.0	6.0	2439.0	0743.4	17.0	8.0	8.2	170	55.000
25.0	7.6	2434.0	0741.8	17.0	8.0	8.2	170	52.000
30.0	9.1	2429.0	0740.3	17.0	8.0	8.1	170	52.000
35.0	10.6	2424.0	0738.8	16.9	7.9	8.1	165	52.000
40.0	12.1	2419.0	0737.3	16.8	7.9	8.1	165	50.000
50.0	15.2	2409.0	0734.2	16.7	7.9	8.1	165	45.000
60.0	18.2	2399.0	0731.2	15.0	7.8	7.7	165	45.000
70.0	21.3	2389.0	0728.1	13.0	7.8	8.0	160	20.000
80.0	24.3	2379.0	0725.1	12.0	7.8	8.3	160	11.000
90.0	27.4	2369.0	0722.0	11.8	7.8	8.5	160	6.300
100.0	30.4	2359.0	0719.0	11.2	7.8	8.6	160	3.100
110.0	33.5	2349.0	0715.9	11.1	7.8	8.6	160	1.300
120.0	36.5	2339.0	0712.9	11.0	7.8	8.6	160	0.390
130.0	39.6	2329.0	0709.8	10.7	7.8	8.7	155	0.050
145.0	44.1	2314.0	0705.3	10.5	7.8	8.7	155	0.007
160.0	48.7	2299.0	0700.7	10.2	7.8	8.7	155	0.001
175.0	53.3	2284.0	0696.1	10.0	7.8	8.6	155	0.001
190.0	57.9	2269.0	0691.5	9.9	7.8	8.8	155	0.000
205.0	62.4	2254.0	0687.0	9.7	7.8	8.6	155	0.000
220.0	67.0	2239.0	0682.4	9.1	7.7	8.0	165	0.010
235.0	71.6	2224.0	0677.8	9.0	7.6	6.7	165	0.030
250.0	76.2	2209.0	0673.3	8.9	7.5	5.6	170	0.080
262.0	79.8	2197.0	0669.6	8.7	7.5	4.9	180	0.080
272.0	82.9	2187.0	0666.6	8.6	7.5	4.1	160	0.080

WATER QUALITY SAMPLING DATE: 19 SEP 74

0.0	0.0	2457.9	0749.1	16.0	8.3	8.5	175	
1.2	0.3	2456.7	0748.8	16.0	8.3	8.5	175	48.000
2.0	0.6	2455.9	0748.5	16.0	8.3	8.5	175	48.000
5.0	1.5	2452.9	0747.6	16.0	8.3	8.6	175	48.000
10.0	3.0	2447.9	0746.1	16.0	8.3	8.7	175	48.000
15.0	4.5	2442.9	0744.6	16.0	8.3	8.4	175	48.000
20.0	6.0	2437.9	0743.0	16.0	8.3	8.7	175	48.000
25.0	7.6	2432.9	0741.5	16.0	8.3	8.4	175	48.000
30.0	9.1	2427.9	0740.0	15.4	8.2	8.2	175	45.000
35.0	10.6	2422.9	0738.5	15.2	8.2	8.1	180	41.000
38.2	11.6	2419.7	0737.5	14.8	8.1	7.6	180	39.000
45.0	13.7	2412.9	0735.4	14.0	8.0	7.2	175	27.000
50.0	15.2	2407.9	0733.9	13.0	8.0	7.3	170	27.000
55.0	16.7	2402.9	0732.4	12.4	8.0	7.7	175	17.000
60.0	18.2	2397.9	0730.8	12.2	8.0	7.6	170	18.000
70.0	21.3	2387.9	0727.8	12.0	8.0	7.9	170	17.000
80.0	24.3	2377.9	0724.8	11.6	8.0	8.1	165	11.000
90.0	27.4	2367.9	0721.7	11.4	8.0	8.2	155	9.200
100.0	30.4	2357.9	0718.7	11.0	8.0	8.2	160	3.800
110.0	33.5	2347.9	0715.6	11.0	8.0	8.4	160	0.920
120.0	36.5	2337.9	0712.6	10.8	8.0	8.5	160	0.710
130.0	39.6	2327.9	0709.5	10.6	8.0	8.4	160	0.230
140.0	42.6	2317.9	0706.5	10.6	8.0	8.3	160	0.100
155.0	47.2	2302.9	0701.9	10.4	8.0	8.2	155	0.040
170.0	51.8	2287.9	0697.3	10.0	8.0	8.2	155	0.010
185.0	56.3	2272.9	0692.7	10.0	8.0	8.1	160	0.007
200.0	60.9	2257.9	0688.2	9.6	8.0	7.7	165	0.004
215.0	65.5	2242.9	0683.6	9.2	8.0	7.6	165	0.010
230.0	70.1	2227.9	0679.0	9.2	7.9	7.1	170	0.030
245.0	74.6	2212.9	0674.5	9.0	7.8	5.5	180	0.130
258.0	78.6	2199.9	0670.5	8.5	7.6	3.6	180	0.230
268.0	81.6	2189.9	0667.4	8.5	7.8	3.0	180	0.100

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 03 OCT 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.0	0.3	2450.5	0746.9	14.0	8.2	9.4	175	35.000
2.0	0.6	2449.5	0746.6	14.0	8.2	9.1	175	33.000
5.0	1.5	2446.5	0745.7	14.0	8.2	9.1	175	33.000
10.0	3.0	2441.5	0744.1	14.0	8.2	9.1	175	33.000
15.0	4.5	2436.5	0742.6	14.0	8.2	9.1	175	33.000
20.0	6.0	2431.5	0741.1	14.0	8.2	9.0	175	33.000
25.0	7.6	2426.5	0739.6	14.0	8.2	9.0	175	35.000
30.0	9.1	2421.5	0738.0	14.0	8.2	9.0	175	35.000
40.0	12.1	2411.5	0735.0	14.0	8.2	9.0	175	35.000
50.0	15.2	2401.5	0731.9	13.3	8.1	8.6	175	33.000
60.0	18.2	2391.5	0728.9	12.1	7.9	8.1	175	13.000
70.0	21.3	2381.5	0725.9	12.0	7.9	8.2	170	5.300
80.0	24.3	2371.5	0722.8	11.6	8.0	8.4	170	3.100
90.0	27.4	2361.5	0719.8	11.2	8.0	8.4	165	3.100
100.0	30.4	2351.5	0716.7	11.0	8.0	8.6	165	1.700
110.0	33.5	2341.5	0713.7	11.0	8.0	8.6	160	1.200
120.0	36.5	2331.5	0710.6	10.8	8.0	8.8	160	0.330
130.0	39.6	2321.5	0707.6	10.6	8.0	9.0	160	0.190
140.0	42.6	2311.5	0704.5	10.3	8.0	8.8	160	0.190
150.0	45.7	2301.5	0701.5	10.2	8.0	8.6	160	0.230
165.0	50.2	2296.5	0698.5	10.0	8.0	8.7	160	0.070
180.0	54.8	2271.5	0692.3	10.0	8.0	8.6	160	0.030
195.0	59.4	2256.5	0687.8	9.7	8.0	8.3	165	0.020
210.0	64.0	2241.5	0683.2	9.2	7.8	8.0	170	0.030
225.0	68.5	2226.5	0678.6	9.0	7.8	6.6	180	0.050
240.0	73.1	2211.5	0674.0	8.9	7.6	4.5	180	0.100
255.0	77.7	2196.5	0669.5	8.5	7.6	2.8	185	0.190
265.0	80.7	2186.5	0666.4	8.4	7.6	2.6	185	0.160

WATER QUALITY SAMPLING DATE: 15 OCT 74

0.1	0.0	2441.5	0744.1	12.3	8.2	10.0	180	
1.0	0.3	2440.6	0743.9	12.3	8.2	9.4	180	39.000
2.7	0.8	2438.9	0743.4	12.3	8.2	9.4	180	39.000
5.0	1.5	2436.6	0742.7	12.3	8.2	9.2	180	41.000
10.0	3.0	2431.6	0741.1	12.4	8.2	9.4	180	39.000
15.0	4.5	2426.6	0739.6	12.4	8.1	9.4	180	39.000
20.0	6.0	2421.6	0738.1	12.4	8.2	9.4	180	41.000
25.0	7.6	2416.6	0736.6	12.4	8.2	9.4	180	39.000
33.8	10.3	2407.8	0733.9	12.4	8.2	9.3	180	41.000
40.0	12.1	2401.6	0732.0	12.3	8.1	9.4	180	41.000
45.0	13.7	2396.6	0730.5	12.2	8.1	9.2	180	41.000
50.0	15.2	2391.6	0728.9	12.2	8.1	9.5	180	41.000
60.0	18.2	2381.6	0725.9	12.2	8.1	9.2	180	39.000
70.0	21.3	2371.6	0722.8	12.0	8.0	8.8	175	18.000
80.0	24.3	2361.6	0719.8	11.2	7.8	8.4	170	11.000
90.0	27.4	2351.6	0716.7	11.1	7.8	8.2	170	5.800
100.0	30.4	2341.6	0713.7	11.0	7.8	8.4	165	2.100
110.0	33.5	2331.6	0710.6	10.9	7.8	8.4	165	1.300
120.0	36.5	2321.6	0707.6	10.9	7.8	8.8	160	1.100
130.0	39.6	2311.6	0704.6	10.6	7.8	8.4	160	0.330
140.0	42.6	2301.6	0701.5	10.2	7.8	8.3	160	0.280
150.0	45.7	2291.6	0698.5	10.0	7.8	8.4	160	0.190
165.0	50.2	2276.6	0693.9	10.0	7.8	8.2	160	0.130
180.0	54.8	2261.6	0689.3	9.8	7.8	8.1	160	0.040
195.0	59.4	2246.6	0684.7	9.4	7.8	8.0	165	0.050
205.0	62.4	2236.6	0681.7	9.1	7.8	7.6	170	0.050
215.0	65.5	2226.6	0678.6	9.0	7.7	6.6	180	0.040
225.0	68.5	2216.6	0675.6	9.0	7.6	5.4	180	0.050
235.0	71.6	2206.6	0672.5	8.9	7.6	3.8	180	0.020
241.0	73.4	2200.6	0670.7	8.6	7.5	2.9	185	0.010
251.0	76.5	2190.6	0667.7	8.4	7.4	1.8	195	0.004

TABLE 14. STATION NO. 12301830, LAKE KODCANUSA AT TEMPLE CREEK

WATER QUALITY SAMPLING DATE: 29 OCT 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHMS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2429.3	0740.4	11.4	8.0	8.9	190	
1.0	0.3	2428.4	0740.1	11.4	8.0	8.9	190	28.000
2.0	0.6	2427.4	0739.8	11.4	8.0	8.9	190	28.000
10.0	3.0	2419.4	0737.4	11.4	8.0	8.9	190	28.000
15.0	4.5	2414.4	0735.9	11.4	8.0	9.0	190	28.000
20.0	6.0	2409.4	0734.3	11.4	8.0	8.9	190	28.000
25.0	7.6	2404.4	0732.8	11.3	8.0	8.9	190	28.000
30.0	9.1	2399.4	0731.3	11.3	8.0	8.9	190	28.000
40.0	12.1	2389.4	0728.2	11.3	8.0	8.9	190	28.000
50.0	15.2	2379.4	0725.2	11.3	8.0	9.0	190	28.000
60.0	18.2	2369.4	0722.1	11.3	8.0	9.0	190	28.000
70.0	21.3	2359.4	0719.1	11.2	8.0	8.8	190	28.000
80.0	24.3	2349.4	0716.1	11.2	8.0	8.8	190	28.000
90.0	27.4	2339.4	0713.0	11.0	7.8	7.4	185	9.800
100.0	30.4	2329.4	0710.0	10.9	7.8	7.4	180	2.600
110.0	33.5	2319.4	0706.9	10.8	7.8	7.2	180	1.700
120.0	36.5	2309.4	0703.9	10.5	7.8	7.4	180	1.100
130.0	39.6	2299.4	0700.8	10.5	7.8	7.8	175	0.710
140.0	42.6	2289.4	0697.8	10.5	7.8	7.5	175	0.620
150.0	45.7	2279.4	0694.7	10.1	7.8	7.6	175	0.460
160.0	48.7	2269.4	0691.7	10.0	7.8	7.6	175	0.390
175.0	53.3	2254.4	0687.1	9.8	7.8	7.5	175	0.160
190.0	57.9	2239.4	0682.5	9.6	7.8	6.8	185	0.050
200.0	60.9	2229.4	0679.5	9.1	7.7	5.6	190	0.030
210.0	64.0	2219.4	0676.4	9.0	7.6	3.9	190	0.010
220.0	67.0	2209.4	0673.4	9.0	7.5	3.2	190	0.010
230.0	70.1	2199.4	0670.3	8.7	7.5	1.6	200	0.010
240.0	73.1	2189.4	0667.3	8.5	7.4	0.6	205	0.080

WATER QUALITY SAMPLING DATE: 19 NOV 74

0.1	0.0	2412.1	0735.2	9.6	8.1	8.7	190	
1.0	0.3	2411.2	0734.9	9.6	8.1	8.7	190	8.500
3.0	0.9	2409.2	0734.3	9.6	8.1	8.7	190	8.500
5.0	1.5	2407.2	0733.7	9.6	8.1	8.7	190	8.500
10.0	3.0	2402.2	0732.2	9.6	8.1	8.7	190	7.900
16.0	4.8	2396.2	0730.3	9.6	8.1	8.7	190	7.900
20.0	6.0	2392.2	0729.1	9.6	8.1	8.7	190	7.900
25.0	7.6	2387.2	0727.6	9.6	8.0	8.7	190	7.900
30.0	9.1	2382.2	0726.1	9.6	8.0	8.7	190	7.900
35.0	10.6	2377.2	0724.5	9.6	8.0	8.7	190	7.900
40.0	12.1	2372.2	0723.0	9.6	8.0	8.7	190	7.900
50.0	15.2	2362.2	0720.0	9.6	8.0	8.8	190	7.900
60.0	18.2	2352.2	0716.9	9.6	8.0	9.7	190	7.900
70.0	21.3	2342.2	0713.9	9.6	7.9	8.7	190	7.900
80.0	24.3	2332.2	0710.8	9.6	7.9	8.6	190	7.900
90.0	27.4	2322.2	0707.8	9.6	7.9	8.8	190	7.900
100.0	30.4	2312.2	0704.7	9.6	7.9	8.7	190	7.900
110.0	33.5	2302.2	0701.7	9.6	7.8	8.7	190	7.900
120.0	36.5	2292.2	0698.6	9.6	7.7	8.7	190	7.900
130.0	39.6	2282.2	0695.6	9.6	7.7	8.7	190	7.900
140.0	42.6	2272.2	0692.5	9.6	7.7	8.7	195	4.100
155.0	47.2	2257.2	0688.0	9.5	7.7	8.7	195	1.100
170.0	51.8	2242.2	0683.4	9.5	7.6	8.9	195	0.530
185.0	56.3	2227.2	0678.8	9.5	7.6	8.9	195	0.460
200.0	60.9	2212.2	0674.2	9.5	7.6	8.7	195	0.390
214.0	65.2	2198.2	0670.0	9.4	7.6	8.9	195	0.330
224.0	68.2	2188.2	0666.9	9.4	7.5	8.6	195	0.280

WATER QUALITY SAMPLING DATE: 16 APR 75

0.1	0.0	2286.7	0697.0	2.6	8.4	12.8	295	
1.0	0.3	2285.8	0696.7	2.6	8.4	12.8	295	0.710
2.0	0.6	2284.8	0696.4	2.6	8.4	12.8	295	0.710
5.0	1.5	2281.8	0695.5	2.6	8.4	12.8	295	0.710
10.0	3.0	2276.8	0693.9	2.6	8.4	12.7	295	1.100
12.0	3.6	2274.8	0693.3	2.6	8.4	12.7	295	1.100
15.0	4.5	2271.8	0692.4	2.6	8.4	12.6	295	0.810
20.0	6.0	2266.8	0690.9	2.6	8.4	12.6	295	0.810
30.0	9.1	2256.8	0687.8	2.6	8.4	12.5	295	0.810
40.0	12.1	2246.8	0684.8	2.6	8.4	12.4	295	0.810
50.0	15.2	2236.8	0681.8	2.6	8.4	12.4	295	0.810
60.0	18.2	2226.8	0678.7	2.6	8.4	12.3	295	0.810
70.0	21.3	2216.8	0675.7	2.6	8.3	12.3	295	0.810
80.0	24.3	2206.8	0672.6	2.6	8.3	12.3	295	0.620
90.0	27.4	2196.8	0669.6	2.6	8.3	12.3	295	0.620
100.0	30.4	2186.8	0666.6	2.6	8.3	12.3	295	0.620

TABLE 14. STATION NO. 12301830, LAKE KOCCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 05 MAY 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2287.3	0697.1	7.2	8.3	10.6	375	
1.0	0.3	2286.4	0696.9	7.2	8.3	10.6	375	0.330
2.0	0.6	2285.4	0696.5	7.2	8.3	10.6	375	0.330
5.0	1.5	2282.4	0695.6	7.2	8.3	10.8	375	0.330
10.0	3.0	2277.4	0694.1	7.2	8.3	10.8	375	0.330
12.0	3.6	2275.4	0693.5	7.0	8.3	10.8	375	0.330
15.0	4.5	2272.4	0692.6	7.0	8.3	10.8	375	0.330
20.0	6.0	2267.4	0691.1	7.0	8.3	11.6	375	0.920
25.0	7.6	2262.4	0689.5	6.0	8.3	12.6	375	1.300
35.0	10.6	2252.4	0686.5	5.8	8.3	12.4	375	1.300
45.0	13.7	2242.4	0683.4	5.6	8.3	12.4	375	1.300
55.0	16.7	2232.4	0680.4	5.0	8.3	12.4	375	2.100
65.0	19.8	2222.4	0677.3	4.6	8.3	12.2	375	2.300
75.0	22.8	2212.4	0674.3	4.6	8.3	11.8	375	2.800
85.0	25.9	2202.4	0671.2	4.4	8.3	11.2	370	4.900
95.0	28.9	2192.4	0668.2	4.4	8.3	11.0	370	4.900

WATER QUALITY SAMPLING DATE: 21 MAY 75

0.1	0.0	2314.6	0705.5	9.8	8.1	9.9	230	
1.0	0.3	2313.7	0705.2	9.8	8.1	9.9	230	0.000
2.0	0.6	2312.7	0704.9	9.8	8.1	9.9	230	0.000
5.0	1.5	2309.7	0704.0	9.6	8.1	9.9	225	0.000
10.0	3.0	2304.7	0702.4	9.6	8.1	9.9	225	0.000
15.0	4.5	2299.7	0700.9	9.6	8.1	9.7	225	0.000
20.0	6.0	2294.7	0699.4	9.6	8.1	9.5	225	0.000
25.0	7.6	2289.7	0697.9	9.6	8.1	9.4	225	0.000
30.0	9.1	2284.7	0696.3	9.5	8.2	9.4	225	0.000
40.0	12.1	2274.7	0693.3	9.2	8.2	9.4	240	0.000
50.0	15.2	2264.7	0690.3	8.5	8.2	9.5	260	0.000
60.0	18.2	2254.7	0687.2	7.3	8.2	9.8	295	0.000
70.0	21.3	2244.7	0684.2	6.1	8.3	10.4	310	0.080
80.0	24.3	2234.7	0681.1	5.5	8.3	10.6	310	2.600
90.0	27.4	2224.7	0678.1	5.3	8.3	10.5	310	2.800
100.0	30.4	2214.7	0675.0	5.0	8.2	10.3	320	3.400
112.0	34.1	2202.7	0671.0	5.0	8.2	10.0	320	6.800
122.0	37.1	2192.7	0668.3	5.2	8.2	10.0	320	9.200

WATER QUALITY SAMPLING DATE: 03 JUN 75

0.1	0.0	2339.4	0713.1	12.0	8.4	10.6	235	
1.0	0.3	2338.4	0712.9	12.0	8.4	10.6	235	0.030
2.0	0.6	2337.0	0712.6	12.0	8.4	10.6	235	0.030
3.0	0.9	2336.9	0712.3	12.0	8.4	10.6	235	0.030
5.0	1.5	2334.0	0711.6	12.0	8.4	10.6	235	0.030
7.0	2.1	2332.0	0711.0	11.8	8.4	10.6	235	0.030
10.0	3.0	2329.0	0710.1	10.6	8.3	10.2	225	0.000
15.0	4.5	2324.0	0708.6	9.7	8.3	9.8	225	0.000
20.0	6.0	2319.0	0707.1	9.6	8.3	9.7	230	0.000
30.0	9.1	2309.9	0704.0	9.0	8.2	9.8	235	0.010
40.0	12.1	2299.9	0701.0	9.0	8.2	9.8	220	0.000
50.0	15.2	2289.0	0697.9	0.4	8.2	9.8	205	0.000
60.0	18.2	2279.0	0694.9	7.8	8.2	10.0	195	0.000
70.0	21.3	2269.9	0691.8	7.6	8.2	10.0	195	0.000
80.0	24.3	2259.0	0688.8	7.6	8.2	10.0	195	0.000
90.0	27.4	2249.0	0685.7	7.4	8.2	10.0	205	0.000
100.0	30.4	2239.0	0682.7	7.0	8.2	9.8	220	0.000
110.0	33.5	2229.0	0679.6	6.6	8.2	10.0	280	0.000
120.0	36.5	2219.0	0676.6	5.2	8.2	10.4	305	0.010
132.0	40.2	2207.0	0672.9	5.2	8.2	10.4	315	0.460
142.0	43.2	2197.0	0669.9	5.2	8.2	10.0	315	1.700

TABLE 14. STATION NO. 12301A30, LAKE KOOCANUSA AT TENNILE CREEK

WATER QUALITY SAMPLING DATE: 24 JUN 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2398.8	0731.1	14.0	8.3	9.8	215	
1.0	0.3	2397.9	0730.9	14.0	8.3	9.8	215	13.000
2.0	0.6	2396.9	0730.5	13.8	8.3	10.0	215	13.000
5.0	1.5	2393.9	0729.6	13.1	8.3	10.0	215	15.000
10.0	3.0	2388.9	0728.1	13.0	8.3	10.0	215	13.000
15.0	4.5	2383.9	0726.6	12.8	8.3	10.0	210	11.000
20.0	6.0	2378.9	0725.1	12.4	8.3	10.0	210	9.200
30.0	9.1	2368.9	0722.0	12.1	8.3	10.0	210	7.300
40.0	12.1	2358.9	0719.0	11.0	8.2	10.0	205	1.700
50.0	15.2	2348.9	0715.9	10.6	8.2	10.0	200	0.390
60.0	18.2	2338.9	0712.9	10.5	8.2	10.0	195	0.230
70.0	21.3	2328.9	0709.8	10.1	8.1	10.0	195	0.080
80.0	24.3	2318.9	0706.8	10.0	8.1	10.0	195	0.040
90.0	27.4	2308.9	0703.7	9.8	8.0	10.1	195	0.030
100.0	30.4	2298.9	0700.7	9.7	8.0	10.0	195	0.040
110.0	33.5	2288.9	0697.6	9.1	8.0	10.0	200	0.040
120.0	36.5	2278.9	0694.6	8.9	8.0	10.0	200	0.030
135.0	41.1	2263.9	0690.0	8.2	8.0	10.1	210	0.030
150.0	45.7	2248.9	0685.4	8.0	7.9	9.7	225	0.030
165.0	50.2	2233.9	0680.9	8.0	7.9	9.5	230	0.050
175.0	53.3	2223.9	0677.8	8.0	7.9	9.4	230	0.080

WATER QUALITY SAMPLING DATE: 14 JUL 75

0.1	0.0	2430.7	0740.8	21.0	8.4	8.2	230	
1.0	0.3	2429.8	0740.6	21.0	8.4	8.2	230	45.000
2.0	0.6	2428.8	0740.3	20.6	8.4	8.2	225	43.000
5.0	1.5	2425.8	0739.3	19.4	8.4	8.7	225	43.000
10.0	3.0	2420.8	0737.8	18.0	8.4	8.8	225	45.000
15.0	4.5	2415.8	0736.3	16.5	8.4	8.9	215	43.000
20.0	6.0	2410.8	0734.8	14.6	8.4	8.9	215	35.000
25.0	7.6	2405.8	0733.2	14.0	8.4	9.0	215	24.000
30.0	9.1	2400.8	0731.7	13.5	8.4	9.1	215	21.000
35.0	10.6	2395.8	0730.2	12.7	8.4	9.2	215	12.000
40.0	12.1	2390.8	0728.7	12.0	8.4	9.1	215	15.000
50.0	15.2	2380.8	0725.6	11.2	8.4	9.2	210	23.000
60.0	18.2	2370.8	0722.6	11.0	8.4	9.3	205	3.400
70.0	21.3	2360.8	0719.5	10.6	8.4	9.3	200	0.620
80.0	24.3	2350.8	0716.5	10.5	8.4	9.3	200	1.300
90.0	27.4	2340.8	0713.4	10.2	8.4	9.4	200	0.710
105.0	32.0	2325.8	0708.9	10.0	8.4	9.4	200	0.190
120.0	36.5	2310.8	0704.3	9.6	8.4	9.4	205	0.330
135.0	41.1	2295.8	0699.7	9.0	8.3	9.3	205	0.330
150.0	45.7	2280.8	0695.1	9.2	8.2	9.2	210	0.230
165.0	50.2	2265.8	0690.6	8.8	8.1	9.0	220	0.460
180.0	54.8	2250.8	0686.0	8.5	8.1	9.0	230	0.530
195.0	59.4	2235.8	0681.4	8.4	8.1	8.8	240	0.920
210.0	64.0	2220.8	0676.9	8.0	8.1	8.5	245	1.300
220.0	67.0	2210.8	0673.8	7.8	8.0	8.2	255	1.900

WATER QUALITY SAMPLING DATE: 28 JUL 75

0.1	0.0	2440.4	0743.8	19.2	8.4	9.2	210	
1.0	0.3	2439.5	0743.5	19.2	8.4	9.2	210	41.000
2.0	0.6	2438.5	0743.2	19.0	8.4	9.2	210	41.000
5.0	1.5	2435.5	0742.3	19.0	8.4	9.2	210	41.000
10.0	3.0	2430.5	0740.8	18.8	8.4	9.3	210	41.000
15.0	4.5	2425.5	0739.3	18.0	8.3	9.1	210	37.000
20.0	6.0	2420.5	0737.7	18.0	8.3	9.2	210	28.000
30.0	9.1	2410.5	0734.7	15.2	8.1	8.8	205	16.000
40.0	12.1	2400.5	0731.6	14.0	8.0	8.8	195	3.100
50.0	15.2	2390.5	0728.6	13.8	8.0	8.6	195	1.700
60.0	18.2	2380.5	0725.5	12.4	8.0	8.9	195	
70.0	21.3	2370.5	0722.5	12.0	8.0	8.9	195	
80.0	24.3	2360.5	0719.4	11.8	8.0	9.0	195	
90.0	27.4	2350.5	0716.4	11.0	8.0	9.0	195	
100.0	30.4	2340.5	0713.4	10.4	8.0	9.1	195	
115.0	35.0	2325.5	0708.8	10.2	8.0	9.2	195	
130.0	39.6	2310.5	0704.2	10.0	8.0	9.2	195	
145.0	44.1	2295.5	0699.6	9.4	7.9	9.2	190	
160.0	48.7	2280.5	0695.1	9.2	7.9	9.1	190	
175.0	53.3	2265.5	0690.5	9.0	7.8	9.0	200	
190.0	57.9	2250.5	0685.9	8.6	7.8	8.7	204	
205.0	62.4	2235.5	0681.3	8.2	7.8	8.6	195	
220.0	67.0	2220.5	0676.8	7.8	7.7	8.3	195	
235.0	71.6	2205.5	0672.2	7.8	7.6	8.4	230	
250.0	76.2	2190.5	0667.6	7.0	7.6	8.8	255	
260.0	79.2	2180.5	0664.6	7.0	7.6	8.6	260	



TABLE 14. STATION NO. 12301830, LAKE KODCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 11 AUG 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2446.4	0745.8	18.6	8.5	8.9	205	
1.0	0.3	2445.9	0745.5	18.6	8.5	8.8		43.000
2.0	0.6	2444.9	0745.2	18.5	8.5	8.8	200	43.000
5.0	1.5	2441.9	0744.3	18.4	8.5	8.7	200	48.000
10.0	3.0	2436.9	0742.7	18.3	8.5	8.8	195	43.000
15.0	4.5	2431.9	0741.2	17.0	8.4	8.6	200	43.000
25.0	7.6	2421.9	0739.2	15.5	8.3	8.4	205	39.000
35.0	10.4	2411.9	0735.1	14.2	8.2	8.3	200	27.000
45.0	13.7	2401.9	0732.1	13.2	8.2	8.6	200	18.000
55.0	16.7	2391.9	0729.0	12.5	8.1	8.8	195	19.000
70.0	21.3	2376.9	0724.5	11.7	8.1	9.0	195	21.000
85.0	25.9	2361.9	0719.9	11.0	8.1	9.3	200	25.000
100.0	30.4	2346.9	0715.3	10.4	8.1	9.3	195	18.000
115.0	35.0	2331.9	0710.7	10.0	8.0	9.3	195	17.000
130.0	39.6	2316.9	0706.2	9.5	8.0	9.4	190	19.000
145.0	44.1	2301.9	0701.6	9.3	8.0	9.4	195	17.000
160.0	48.7	2286.9	0697.0	9.0	8.0	9.2	200	14.000
175.0	53.3	2271.9	0692.4	8.7	8.0	9.0	205	8.500
190.0	57.9	2256.9	0687.9	9.4	7.9	8.6	215	11.000
205.0	62.4	2241.9	0683.3	8.9	7.9	8.5	225	11.000
220.0	67.0	2226.9	0678.7	7.2	7.8	7.1	260	11.000
235.0	71.6	2211.9	0674.2	6.7	7.9	5.8	280	11.000
245.0	74.6	2201.9	0671.1	6.7	7.4	5.3	285	6.800

WATER QUALITY SAMPLING DATE: 26 AUG 75

0.1	0.0	2451.2	0747.1	17.4	8.4	9.0	205	
1.0	0.3	2450.3	0746.8	17.4	8.4	9.0	205	50.000
2.0	0.6	2449.3	0746.5	17.4	8.4	9.0	205	50.000
5.0	1.5	2446.3	0745.6	17.2	8.4	9.0	205	50.000
10.0	3.0	2441.3	0744.1	17.2	8.4	8.8	205	45.000
20.0	6.0	2431.3	0741.0	17.1	8.2	9.0	205	45.000
30.0	9.1	2421.3	0738.0	17.0	8.2	9.0	205	48.000
40.0	12.1	2411.3	0734.9	15.9	8.0	9.0	205	37.000
50.0	15.2	2401.3	0731.9	14.1	7.8	9.0	205	28.000
60.0	18.2	2391.3	0728.8	13.3	7.8	9.4	200	33.000
70.0	21.3	2381.3	0725.8	12.3	7.8	9.8	200	30.000
80.0	24.3	2371.3	0722.7	11.8	7.9	9.9	200	30.000
90.0	27.4	2361.3	0719.7	11.1	7.8	10.0	200	37.000
100.0	30.4	2351.3	0716.6	10.9	7.9	10.0	200	39.000
110.0	33.5	2341.3	0713.6	10.6	7.8	10.0	195	39.000
120.0	36.5	2331.3	0710.5	10.1	7.8	10.0	195	39.000
130.0	39.6	2321.3	0707.5	10.0	7.8	10.0	195	39.000
140.0	42.6	2311.3	0704.4	9.8	7.8	10.0	195	39.000
155.0	47.2	2296.3	0699.9	9.5	7.8	10.0	195	39.000
170.0	51.8	2281.3	0695.3	9.1	7.8	9.9	205	33.000
185.0	56.3	2266.3	0690.7	9.0	7.8	9.9	210	35.000
200.0	60.9	2251.3	0686.1	8.7	7.8	9.1	220	35.000
215.0	65.5	2236.3	0681.6	8.0	7.7	8.8	245	35.000
230.0	70.1	2221.3	0677.0	7.7	7.6	7.6	245	28.000
240.0	73.1	2211.3	0674.0	7.0	7.5	5.8	270	17.000
244.0	74.6	2203.3	0671.5	6.9	7.5	5.4	275	11.000
252.0	78.6	2193.3	0666.5	6.9	7.5	5.2	275	6.300

WATER QUALITY SAMPLING DATE: 09 SEP 75

0.0	0.0	2455.0	0748.4	17.0	8.4	8.8	215	
1.0	0.3	2454.0	0748.1	17.0	8.4	8.8	215	57.000
2.0	0.6	2453.0	0747.8	17.0	8.4	8.8	215	55.000
5.0	1.5	2450.0	0746.9	17.0	8.4	8.8	215	55.000
10.0	3.0	2445.0	0745.3	16.8	8.4	9.0	215	50.000
15.0	4.5	2440.0	0743.6	16.6	8.4	8.9	215	50.000
20.0	6.0	2435.0	0742.3	16.4	8.4	8.7	215	52.000
25.0	7.5	2430.0	0740.8	16.0	8.4	8.7	215	55.000
30.0	9.1	2425.0	0739.2	15.8	8.4	8.8	215	55.000
40.0	12.1	2415.0	0736.2	15.4	8.4	8.7	220	55.000
50.0	15.2	2405.0	0733.1	15.2	8.4	8.6	220	50.000
60.0	18.2	2395.0	0730.1	14.4	8.3	8.4	225	39.000
70.0	21.3	2385.0	0727.0	13.2	8.2	8.4	210	39.000
80.0	24.3	2375.0	0724.0	12.0	8.2	8.8	210	41.000
90.0	27.4	2365.0	0720.9	11.4	8.2	9.0	210	39.000
105.0	32.0	2350.0	0716.4	10.8	8.2	9.2	205	41.000
120.0	36.5	2335.0	0711.8	10.4	8.2	9.2	200	41.000
135.0	41.1	2320.0	0707.2	10.0	8.3	9.2	200	43.000
150.0	45.7	2305.0	0702.7	9.6	8.3	9.2	205	37.000
165.0	50.2	2290.0	0698.1	9.4	8.3	9.2	205	35.000
180.0	54.8	2275.0	0693.5	9.2	8.3	9.0	210	35.000
195.0	59.4	2260.0	0688.9	9.0	8.3	8.8	220	37.000
210.0	64.0	2245.0	0684.4	8.6	8.3	8.4	230	37.000
225.0	68.5	2230.0	0679.8	8.2	8.2	7.8	235	37.000
240.0	73.1	2215.0	0675.2	7.6	8.1	6.0	275	27.000
250.0	76.2	2205.0	0672.2	7.2	8.1	4.6	285	24.000

TABLE 14. STATION NO. 12301450, LAKE KROGANUSA AT TENNILE CREEK

WATER QUALITY SAMPLING DATE: 23 SEP 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHM/S)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2454.0	0747.9	16.0	8.2	9.0	215	
1.0	0.3	2453.0	0747.6	16.0	8.2	9.0	215	60.000
2.0	0.6	2452.0	0747.3	16.0	8.2	9.0	215	60.000
5.0	1.5	2449.0	0746.4	16.0	8.2	9.0	215	60.000
10.0	3.0	2444.0	0744.9	16.0	8.2	9.0	215	60.000
20.0	6.0	2434.0	0741.8	16.0	8.2	8.9	215	60.000
30.0	9.1	2424.0	0738.8	15.9	8.3	8.8	215	60.000
40.0	12.1	2414.0	0735.7	15.8	8.3	8.8	215	60.000
50.0	15.2	2404.0	0732.7	15.6	8.3	8.8	215	60.000
60.0	18.2	2394.0	0729.7	15.4	8.2	8.6	215	60.000
70.0	21.3	2384.0	0726.6	14.8	8.1	8.2	215	60.000
80.0	24.3	2374.0	0723.6	14.2	8.0	8.2	215	45.000
90.0	27.4	2364.0	0720.5	13.0	8.1	8.3	215	45.000
100.0	30.4	2354.0	0717.5	12.2	8.1	8.6	210	45.000
110.0	33.5	2344.0	0714.4	11.5	8.1	8.7	200	45.000
120.0	36.5	2334.0	0711.4	11.0	8.2	8.9	200	37.000
135.0	41.1	2319.0	0706.8	10.8	8.2	8.8	200	39.000
150.0	45.7	2304.0	0702.2	10.0	8.2	8.9	200	35.000
165.0	50.2	2289.0	0697.6	9.9	8.2	8.8	200	35.000
180.0	54.8	2274.0	0693.1	9.8	8.2	8.4	200	33.000
195.0	59.4	2259.0	0688.5	9.2	8.2	8.4	210	33.000
210.0	64.0	2244.0	0683.9	9.0	8.2	8.1	220	14.000
225.0	68.5	2229.0	0679.4	8.9	8.2	7.7	225	33.000
239.0	72.8	2215.0	0675.1	8.1	8.0	5.6	250	19.000
249.0	75.8	2205.0	0672.0	8.0	8.0	5.2	250	13.000

WATER QUALITY SAMPLING DATE: 06 OCT 75

0.0	0.0	2451.8	0747.3	15.0	8.2	8.4	220	
1.0	0.3	2450.8	0747.0	15.0	8.2	8.4	220	48.000
2.0	0.6	2449.8	0746.7	15.0	8.2	8.6	220	48.000
5.0	1.5	2446.8	0745.7	15.0	8.2	8.6	220	48.000
10.0	3.0	2441.8	0744.2	15.0	8.2	8.8	220	48.000
15.0	4.5	2436.8	0742.7	15.0	8.2	8.2	220	48.000
20.0	6.0	2431.8	0741.2	15.0	8.2	8.2	220	48.000
30.0	9.1	2421.8	0738.1	14.8	8.2	7.4	215	48.000
40.0	12.1	2411.8	0735.1	14.8	8.2	7.4	215	48.000
50.0	15.2	2401.8	0732.0	14.8	8.2	7.2	215	48.000
60.0	18.2	2391.8	0729.0	14.2	8.1	6.8	225	55.000
70.0	21.3	2381.8	0725.9	13.0	8.1	6.6	235	55.000
80.0	24.3	2371.8	0722.9	12.6	8.1	6.6	235	50.000
95.0	28.9	2356.8	0719.3	12.0	8.1	6.6	220	33.000
110.0	33.5	2341.8	0713.7	11.4	8.0	6.8	210	30.000
125.0	38.1	2326.8	0709.2	11.0	8.0	7.0	205	25.000
140.0	42.6	2311.8	0704.6	10.6	8.0	6.9	205	18.000
155.0	47.2	2296.8	0700.0	10.0	8.1	6.8	200	8.500
170.0	51.8	2281.8	0695.5	10.0	8.1	6.6	200	6.300
185.0	56.3	2266.8	0690.9	9.8	8.1	6.5	200	4.500
200.0	60.9	2251.8	0686.3	9.6	8.1	6.5	210	2.800
215.0	65.5	2236.8	0681.7	9.4	8.1	6.4	210	0.190
230.0	70.1	2221.8	0677.2	9.0	8.1	6.1	220	0.040
245.0	74.6	2206.8	0672.6	8.8	8.1	5.2	225	0.040
255.0	77.7	2196.8	0669.5	8.8	8.1	4.6	235	

WATER QUALITY SAMPLING DATE: 23 OCT 75

0.0	0.0	2446.6	0745.7	12.0	8.2	8.9	220	
1.0	0.3	2445.6	0745.0	12.0	8.2	8.9	220	48.000
2.0	0.6	2444.6	0745.1	12.0	8.2	8.9	220	48.000
5.0	1.5	2441.6	0744.2	12.0	8.2	8.9	220	48.000
10.0	3.0	2436.6	0742.7	12.0	8.2	8.9	220	48.000
15.0	4.5	2431.6	0741.1	12.0	8.2	8.9	220	48.000
20.0	6.0	2426.6	0739.6	12.0	8.2	8.8	220	48.000
30.0	9.1	2416.6	0736.6	12.0	8.2	8.8	215	48.000
40.0	12.1	2406.6	0733.5	12.0	8.2	8.7	215	48.000
50.0	15.2	2396.6	0730.5	12.0	8.2	8.7	215	48.000
60.0	18.2	2386.6	0727.4	12.0	8.3	8.7	215	48.000
70.0	21.3	2376.6	0724.4	12.0	8.3	8.7	215	48.000
80.0	24.3	2366.6	0721.3	12.0	8.3	8.6	215	48.000
90.0	27.4	2356.6	0718.3	12.0	8.3	8.6	215	48.000
100.0	30.4	2346.6	0715.2	12.0	8.3	8.4	215	48.000
110.0	33.5	2336.6	0712.2	12.0	8.3	8.3	215	48.000
120.0	36.5	2326.6	0709.1	11.9	8.3	7.8	215	48.000
130.0	39.6	2316.6	0706.1	11.1	8.2	7.4	220	48.000
140.0	42.6	2306.6	0703.0	11.1	8.2	7.2	220	17.000
150.0	45.7	2296.6	0700.0	11.0	8.2	7.2	220	11.000
160.0	48.7	2286.6	0696.9	10.9	8.2	7.2	210	9.200
175.0	53.3	2271.6	0692.4	10.5	8.2	7.2	205	6.300
190.0	57.9	2256.6	0687.8	10.2	8.2	7.2	210	4.100
205.0	62.4	2241.6	0683.2	10.0	8.3	7.2	210	0.810
220.0	67.0	2226.6	0678.6	9.8	8.3	7.0	215	0.010
232.0	70.7	2214.6	0675.0	9.2	8.3	6.9	220	0.010
242.0	73.7	2204.6	0671.9	9.2	8.3	6.9	220	

TABLE 14. STATION NO. 12301830, LAKE KODOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 12 APR 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2309.0	0703.7	4.0	8.4	12.0	235	
1.0	0.3	2308.0	0703.4	4.0	8.4	12.0	235	3.400
2.0	0.6	2307.0	0703.1	4.0	8.4	12.0	235	3.100
5.0	1.5	2304.0	0702.2	4.0	8.4	12.0	235	2.800
10.0	3.0	2299.0	0700.7	4.0	8.4	12.0	235	2.600
15.0	4.5	2294.0	0699.2	4.0	8.4	12.0	235	2.600
20.0	6.0	2289.0	0697.6	4.0	8.4	11.8	235	2.600
25.0	7.6	2284.0	0696.1	4.0	8.4	11.8	235	2.800
35.0	10.6	2274.0	0693.1	4.0	8.4	11.8	235	2.600
45.0	13.7	2264.0	0690.0	3.8	8.4	11.8	235	2.600
55.0	16.7	2254.0	0687.0	3.6	8.4	11.6	240	3.800
65.0	19.9	2244.0	0683.9	3.0	8.4	11.6	240	4.500
75.0	22.8	2234.0	0680.9	3.0	8.4	11.6	250	4.100
85.0	25.9	2224.0	0677.8	3.2	8.4	11.6	255	3.800
95.0	28.9	2214.0	0674.8	3.2	8.4	11.6	255	3.100
105.0	32.0	2204.0	0671.7	3.2	8.3	11.2	255	3.100
115.0	35.0	2194.0	0668.7	3.2	8.3	11.2	255	3.100

WATER QUALITY SAMPLING DATE: 04 MAY 76

0.0	0.0	2326.1	0708.9	7.6	8.2	10.8	225	
1.0	0.3	2325.1	0708.6	7.6	8.2	10.8	225	0.010
2.0	0.6	2324.1	0708.3	7.6	8.2	10.8	225	0.010
5.0	1.5	2321.1	0707.4	7.5	8.2	10.7	225	0.010
10.0	3.0	2316.1	0705.9	7.3	8.2	10.7	225	0.010
20.0	6.0	2306.1	0702.8	7.0	8.2	10.8	225	0.010
30.0	9.1	2296.1	0699.8	6.0	8.2	11.1	235	0.100
40.0	12.1	2286.1	0696.8	5.8	8.2	11.2	235	0.330
50.0	15.2	2276.1	0693.7	5.3	8.2	11.4	235	1.200
60.0	18.2	2266.1	0690.7	5.0	8.1	11.6	235	3.800
70.0	21.3	2256.1	0687.6	5.0	8.1	11.6	235	3.400
80.0	24.3	2246.1	0684.6	5.0	8.1	11.4	235	3.100
90.0	27.4	2236.1	0681.5	5.0	8.1	11.4	235	2.100
100.0	30.4	2226.1	0678.5	4.7	8.1	11.4	245	2.600
110.0	33.5	2216.1	0675.4	4.5	8.1	11.1	245	1.500
120.0	36.5	2206.1	0672.4	4.5	8.1	11.0	245	0.810
127.0	38.7	2199.1	0670.2	4.5	8.1	11.0	245	0.810
137.0	41.7	2189.1	0667.2	4.5	8.1	10.7	245	0.810

WATER QUALITY SAMPLING DATE: 24 MAY 76

0.0	0.0	2395.0	0726.9	12.2	8.2	10.0	200	
1.0	0.3	2384.0	0726.6	12.2	8.2	10.0	200	15.000
2.0	0.6	2383.0	0726.3	12.0	8.1	9.9	200	15.000
5.0	1.5	2380.0	0725.4	12.0	8.1	9.9	200	15.000
10.0	3.0	2375.0	0723.9	11.4	8.1	10.0	200	15.000
15.0	4.5	2370.0	0722.3	10.2	8.1	10.2	190	3.100
20.0	6.0	2365.0	0720.8	10.9	8.1	10.2	190	0.230
30.0	9.1	2355.0	0717.8	9.2	8.0	10.4	180	0.001
40.0	12.1	2345.0	0714.7	9.1	8.0	10.4	170	0.000
50.0	15.2	2335.0	0711.7	8.4	8.0	10.7	165	0.000
60.0	18.2	2325.0	0708.6	8.0	8.0	10.8	165	0.000
70.0	21.3	2315.0	0705.6	7.9	8.0	10.9	165	0.000
80.0	24.3	2305.0	0702.5	7.8	8.0	10.9	195	0.000
90.0	27.4	2295.0	0699.5	7.1	8.0	11.0	200	0.000
100.0	30.4	2285.0	0696.4	7.0	7.9	11.0	210	0.040
110.0	33.5	2275.0	0693.4	6.1	7.9	11.0	225	0.230
120.0	36.5	2265.0	0690.3	5.7	7.9	11.1	230	0.810
130.0	39.6	2255.0	0687.3	5.1	7.9	11.2	235	1.100
140.0	42.6	2245.0	0684.2	5.0	7.8	11.5	235	2.100
150.0	45.7	2235.0	0681.2	4.9	7.8	11.5	225	3.100
160.0	48.7	2225.0	0678.1	4.8	7.8	11.5	225	3.800
170.0	51.8	2215.0	0675.1	4.8	7.8	11.5	225	3.800
179.0	54.5	2206.0	0672.3	4.8	7.8	11.2	225	3.800
189.0	57.6	2196.0	0669.3	4.8	7.8	11.2	225	3.800

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 03 JUN 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2405.5	0733.2	11.8	8.4	10.7	195	
1.0	0.3	2404.5	0732.9	11.8	8.4	10.7	195	
2.0	0.6	2403.5	0732.6	11.5	8.4	10.7	195	
5.0	1.5	2400.5	0731.6	11.2	8.4	10.7	200	
10.0	3.0	2395.5	0730.1	11.0	8.4	10.7	200	
15.0	4.5	2390.5	0728.6	10.9	8.4	10.4	200	
20.0	6.0	2385.5	0727.1	10.8	8.3	10.2	190	
30.0	9.1	2375.5	0724.0	10.5	8.3	10.1	185	
40.0	12.1	2365.5	0721.0	9.9	8.2	10.1	180	
50.0	15.2	2355.5	0717.9	8.9	8.2	10.1	170	
60.0	18.2	2345.5	0714.9	8.3	8.1	10.3	176	
70.0	21.3	2335.5	0711.8	8.2	8.1	10.3	175	
80.0	24.3	2325.5	0708.8	8.0	8.1	10.2	175	
95.0	28.9	2310.5	0704.2	8.0	8.1	10.2	175	
110.0	33.5	2295.5	0699.6	7.5	8.0	10.2	180	
125.0	38.1	2280.5	0695.1	7.0	8.0	10.2	200	
135.0	41.1	2270.5	0692.0	6.6	8.0	10.2	205	
145.0	44.1	2260.5	0689.0	5.5	8.0	10.5	225	
160.0	48.7	2245.5	0684.4	5.0	8.0	10.5	235	
175.0	53.3	2230.5	0679.8	4.8	8.0	10.4	235	
187.0	56.9	2214.5	0676.2	4.8	8.0	10.4	235	
197.0	60.0	2200.5	0673.1	4.8	8.0	10.4	235	

WATER QUALITY SAMPLING DATE: 21 JUN 76

0.0	0.0	2429.4	0740.4	13.2	8.4	10.0	190	
1.0	0.3	2428.4	0740.1	13.2	8.4	10.0	190	8.500
2.0	0.6	2427.4	0739.8	13.2	8.4	10.0	190	8.500
5.0	1.5	2424.4	0738.9	13.2	8.4	10.0	190	8.500
10.0	3.0	2419.4	0737.4	13.2	8.4	10.0	190	8.500
15.0	4.5	2414.4	0735.9	12.8	8.4	10.0	185	
20.0	6.0	2409.4	0734.3	12.6	8.3	10.0	185	
30.0	9.1	2399.4	0731.3	11.0	8.3	10.0	185	
40.0	12.1	2389.4	0728.2	10.0	8.3	10.0	175	
50.0	15.2	2379.4	0725.2	9.6	8.3	10.2	175	
60.0	18.2	2369.4	0722.1	9.0	8.3	10.4	180	
70.0	21.3	2359.4	0719.1	8.8	8.3	10.4	180	
80.0	24.3	2349.4	0716.1	8.6	8.2	10.2	180	
90.0	27.4	2339.4	0713.0	8.6	8.2	10.2	180	
105.0	32.0	2324.4	0708.4	8.4	8.2	10.2	180	
120.0	36.5	2309.4	0703.9	8.2	8.2	10.2	180	
135.0	41.1	2294.4	0699.3	8.0	8.1	10.2	180	
150.0	45.7	2279.4	0694.7	6.2	8.1	10.0	200	
165.0	50.2	2264.4	0690.1	5.2	8.1	10.0	220	
180.0	54.8	2249.4	0685.6	5.0	8.0	10.0	220	
195.0	59.4	2234.4	0681.0	5.0	8.0	10.0	225	
210.0	64.0	2219.4	0676.4	5.0	8.0	10.0	235	
225.0	68.5	2204.4	0671.9	5.0	8.0	9.8	235	
235.0	71.6	2194.4	0668.8	5.0	8.0	9.8	235	

WATER QUALITY SAMPLING DATE: 06 JUL 76

0.0	0.0	2449.5	0746.6	16.0	8.8	10.3	185	
1.0	0.3	2448.5	0746.3	16.0	8.8	10.3	185	28.000
2.0	0.6	2447.5	0746.0	16.0	8.8	10.3	185	28.000
5.0	1.5	2444.5	0745.0	16.0	8.8	10.3	185	35.000
10.0	3.0	2439.5	0743.5	15.8	8.8	10.3	185	35.000
15.0	4.5	2434.5	0742.0	14.5	8.7	10.3	185	21.000
20.0	6.0	2429.5	0740.5	13.9	8.7	10.3	185	27.000
25.0	7.6	2424.5	0738.9	13.4	8.6	10.3	185	27.000
30.0	9.1	2419.5	0737.4	12.8	8.6	10.2	180	27.000
40.0	12.1	2409.5	0734.4	11.4	8.6	10.1	175	27.000
50.0	15.2	2399.5	0731.3	10.0	8.5	10.0	15.000	
60.0	18.2	2389.5	0728.3	10.1	8.5	9.9	175	13.000
70.0	21.3	2379.5	0725.2	9.8	8.5	9.8	170	11.000
80.0	24.3	2369.5	0722.2	9.6	8.5	9.8	170	4.500
90.0	27.4	2359.5	0719.1	9.3	8.5	9.8	170	4.500
100.0	30.4	2349.5	0716.1	9.1	8.5	9.8	170	3.100
115.0	35.0	2334.5	0711.5	8.0	8.4	9.7	170	2.600
130.0	39.6	2319.5	0706.9	8.6	8.4	9.6	170	1.100
145.0	44.1	2304.5	0702.4	8.3	8.4	9.6	170	0.810
160.0	48.7	2289.5	0697.8	8.0	8.4	9.6	180	0.460
175.0	53.3	2274.5	0693.2	7.3	8.3	9.6	190	0.460
190.0	57.9	2259.5	0688.6	6.6	8.3	9.5	205	0.920
205.0	62.4	2244.5	0684.1	5.8	8.2	9.5	215	3.100
220.0	67.0	2229.5	0679.5	5.1	8.2	9.5	225	3.100
235.0	71.6	2214.5	0674.9	5.1	8.2	9.4	225	3.100
250.0	76.2	2199.5	0670.4	5.1	8.2	9.4	225	3.100
260.0	79.2	2189.5	0667.3	5.1	8.2	9.4	225	3.100

TABLE 14. STATION NO. 12301830, LAKE KODCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 29 JUL 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2459.0	0749.5	18.5	8.7	9.2	195	
1.0	0.3	2458.0	0749.1	18.4	8.7	9.2	195	41.000
2.0	0.6	2457.0	0748.8	18.4	8.7	9.3	195	41.000
5.0	1.5	2454.0	0747.9	18.3	8.7	9.4	195	39.000
10.0	3.0	2449.0	0746.4	18.2	8.7	9.4	195	37.000
15.0	4.5	2444.0	0744.9	17.5	8.7	9.3	195	37.000
20.0	6.0	2439.0	0743.4	17.0	8.7	9.2	190	37.000
25.0	7.6	2434.0	0741.8	16.0	8.6	9.2	185	37.000
30.0	9.1	2429.0	0740.3	15.3	8.5	9.2	185	33.000
35.0	10.6	2424.0	0738.8	14.0	8.4	9.2	180	33.000
40.0	12.1	2419.0	0737.3	13.0	8.4	9.2	170	35.000
50.0	15.2	2409.0	0734.2	12.5	8.3	9.2	175	37.000
60.0	18.2	2399.0	0731.2	12.2	8.3	9.2	175	39.000
70.0	21.3	2389.0	0728.1	12.0	8.3	9.2	175	35.000
80.0	24.3	2379.0	0725.1	12.0	8.3	9.2	180	37.000
95.0	28.9	2364.0	0720.5	11.5	8.3	9.2	185	30.000
110.0	33.5	2349.0	0715.9	11.1	8.3	9.2	185	28.000
125.0	38.1	2334.0	0711.4	10.8	8.3	9.3	185	23.000
140.0	42.6	2319.0	0706.8	10.2	8.3	9.4	190	19.000
155.0	47.2	2304.0	0702.2	9.9	8.3	9.5	190	17.000
170.0	51.8	2289.0	0697.6	9.5	8.3	9.5	190	14.000
185.0	56.3	2274.0	0693.1	9.4	8.2	9.4	190	13.000
200.0	60.9	2259.0	0688.5	8.2	8.2	9.3	195	11.000
215.0	65.5	2244.0	0683.9	8.1	8.1	9.3	200	9.200
230.0	70.1	2229.0	0679.3	7.5	8.0	8.9	215	8.500
245.0	74.6	2214.0	0674.8	6.5	8.0	8.5	235	9.800
255.0	77.7	2204.0	0671.7	6.2	8.0	8.3	245	11.000

TABLE 14. STATION NO. 12301A30, LAKE KODANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 09 AUG 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2458.7	0749.4	17.9	8.6	9.0	185	
1.0	0.3	2457.9	0749.1	17.9	8.6	9.0	185	45.000
2.0	0.6	2456.9	0748.8	17.9	8.6	9.1	185	45.000
5.0	1.5	2453.8	0747.9	17.9	8.6	9.1	185	45.000
10.0	3.0	2448.8	0746.4	17.9	8.6	9.1	185	45.000
15.0	4.5	2443.8	0744.8	17.8	8.6	9.1	185	45.000
20.0	6.0	2438.8	0743.3	17.6	8.6	9.1	185	45.000
25.0	7.6	2433.8	0741.8	16.9	8.5	8.8	185	45.000
30.0	9.1	2428.8	0740.3	16.2	8.5	8.8	185	48.000
35.0	10.6	2423.8	0738.7	15.8	8.4	8.8	185	50.000
40.0	12.1	2418.8	0737.2	15.3	8.4	8.7	185	50.000
45.0	13.7	2413.8	0735.7	15.0	8.4	8.9	185	50.000
50.0	15.2	2408.8	0734.2	14.2	8.3	8.9	180	50.000
60.0	18.2	2398.8	0731.1	13.3	8.2	9.0	180	50.000
70.0	21.3	2388.8	0728.1	12.5	8.2	9.0	175	48.000
80.0	24.3	2378.8	0725.0	12.2	8.2	9.2	175	43.000
90.0	27.4	2368.8	0722.0	11.9	8.2	9.2	175	41.000
100.0	30.4	2358.8	0718.9	11.7	8.2	9.2	175	39.000
115.0	35.0	2343.8	0714.4	11.0	8.2	9.5	180	32.000
130.0	39.6	2328.8	0709.8	10.9	8.2	9.7	180	28.000
145.0	44.1	2313.8	0705.2	10.1	8.2	9.6	180	21.000
160.0	48.7	2298.8	0700.6	9.8	8.2	9.6	180	17.000
175.0	53.3	2283.8	0696.1	9.6	8.2	9.5	185	17.000
190.0	57.9	2268.8	0691.5	9.3	8.2	9.5	185	17.000
205.0	62.4	2253.8	0686.9	9.0	8.2	9.5	190	17.000
220.0	67.0	2238.8	0682.4	8.5	8.2	9.4	195	16.000
235.0	71.6	2223.8	0677.8	8.0	8.1	9.1	210	15.000
240.0	75.5	2210.8	0673.8	7.2	8.0	8.2	220	12.000
250.0	78.6	2200.8	0670.8	7.1	8.0	8.0	225	11.000

WATER QUALITY SAMPLING DATE: 30 AUG 76

0.0	0.0	2458.8	0749.4	18.6	8.7	9.2	190	
1.0	0.3	2457.8	0749.1	18.6	8.7	9.2	190	37.000
2.0	0.6	2456.8	0748.8	18.4	8.7	9.2	190	37.000
5.0	1.5	2453.8	0747.9	18.2	8.7	9.1	190	33.000
10.0	3.0	2448.8	0746.3	18.0	8.7	9.0	185	33.000
15.0	4.5	2443.8	0744.8	18.0	8.7	9.0	185	33.000
20.0	6.0	2438.8	0743.3	17.6	8.7	9.0	190	32.000
25.0	7.6	2433.8	0741.8	17.2	8.6	9.0	190	32.000
30.0	9.1	2428.8	0740.2	17.2	8.6	8.9	190	32.000
35.0	10.6	2423.8	0738.7	17.0	8.6	8.8	190	30.000
40.0	12.1	2418.8	0737.2	16.6	8.5	8.6	185	33.000
45.0	13.7	2413.8	0735.7	16.0	8.4	8.3	185	30.000
50.0	15.2	2408.8	0734.2	15.0	8.3	8.2	185	32.000
60.0	18.2	2398.8	0731.1	14.6	8.3	8.2	185	17.000
70.0	21.3	2388.8	0728.1	14.0	8.3	8.4	180	8.500
80.0	24.3	2378.8	0725.0	13.8	8.3	8.4	175	8.500
95.0	28.9	2363.8	0720.4	13.2	8.2	8.6	180	6.800
110.0	33.5	2348.8	0715.9	12.4	8.2	8.7	180	19.000
125.0	38.1	2333.8	0711.3	12.0	8.2	8.8	180	35.000
140.0	42.6	2318.8	0706.7	11.7	8.2	9.0	180	43.000
155.0	47.2	2303.8	0702.1	11.0	8.2	9.0	180	37.000
170.0	51.8	2288.8	0697.6	10.6	8.2	9.0	180	32.000
185.0	56.3	2273.8	0693.0	10.2	8.2	8.8	180	24.000
200.0	60.9	2258.8	0688.4	10.0	8.2	9.1	180	25.000
215.0	65.5	2243.8	0683.9	9.6	8.1	8.9	185	24.000
230.0	70.1	2228.8	0679.3	9.0	8.0	8.7	190	24.000
245.0	74.6	2213.8	0674.7	8.8	8.0	8.2	200	23.000
255.0	77.7	2203.8	0671.7	8.6	8.0	7.6	205	18.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 14 SEP 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHMOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.7	0749.4	16.8	8.6	9.0	185	
1.0	0.3	2457.7	0749.1	16.8	8.6	9.0	185	50.000
2.0	0.6	2456.7	0748.8	16.6	8.6	9.0	185	45.000
5.0	1.5	2453.7	0747.8	16.4	8.6	9.0	185	45.000
10.0	3.0	2448.7	0746.3	16.4	8.6	9.0	185	45.000
15.0	4.5	2443.7	0744.8	16.4	8.6	8.9	185	45.000
20.0	6.0	2438.7	0743.3	16.2	8.6	9.0	185	43.000
25.0	7.6	2433.7	0741.8	16.2	8.6	8.8	185	43.000
30.0	9.1	2428.7	0740.2	16.2	8.6	8.8	185	43.000
40.0	12.1	2418.7	0737.2	15.8	8.4	8.2	185	41.000
50.0	15.2	2408.7	0734.1	15.0	8.3	8.3	185	37.000
60.0	18.2	2398.7	0731.1	15.0	8.3	8.1	180	33.000
70.0	21.3	2388.7	0728.0	14.6	8.2	8.0	180	33.000
80.0	24.3	2378.7	0725.0	14.2	8.2	8.0	180	33.000
90.0	27.4	2368.7	0721.9	14.0	8.2	8.3	180	28.000
100.0	30.4	2358.7	0718.9	13.6	8.2	8.2	175	19.000
110.0	33.5	2348.7	0715.8	13.0	8.2	8.3	170	16.000
125.0	38.1	2333.7	0711.3	12.4	8.2	8.5	175	27.000
140.0	42.6	2318.7	0706.7	12.0	8.2	8.6	175	37.000
155.0	47.2	2303.7	0702.1	11.4	8.2	8.6	170	24.000
170.0	51.8	2288.7	0697.6	11.0	8.2	8.4	170	33.000
185.0	56.3	2273.7	0693.0	10.6	8.2	8.2	175	19.000
200.0	60.9	2258.7	0688.4	10.2	8.2	8.2	175	18.000
215.0	65.5	2243.7	0683.8	9.8	8.1	8.2	180	24.000
230.0	70.1	2228.7	0679.3	9.2	8.1	7.9	185	37.000
245.0	74.6	2213.7	0674.7	8.8	8.0	7.3	190	30.000
255.0	77.7	2203.7	0671.6	8.6	8.0	7.1	195	28.000

WATER QUALITY SAMPLING DATE: 27 SEP 76

0.0	0.0	2457.3	0749.0	17.2	8.5	9.5	190	
1.0	0.3	2456.3	0748.6	17.2	8.5	9.6	190	50.000
2.0	0.6	2455.3	0748.3	17.1	8.5	9.6	190	50.000
5.0	1.5	2452.3	0747.4	17.0	8.5	9.7	190	48.000
10.0	3.0	2447.3	0745.9	16.9	8.5	9.7	190	48.000
15.0	4.5	2442.3	0744.4	16.9	8.5	9.8	190	48.000
20.0	6.0	2437.3	0742.9	16.8	8.5	10.1	190	48.000
25.0	7.6	2432.3	0741.3	16.7	8.5	10.1	190	48.000
30.0	9.1	2427.3	0739.8	16.6	8.5	10.1	190	45.000
35.0	10.6	2422.3	0738.3	16.5	8.5	10.0	190	41.000
40.0	12.1	2417.3	0736.8	16.5	8.5	10.0	190	41.000
45.0	13.7	2412.3	0735.2	16.2	8.4	10.1	195	41.000
50.0	15.2	2407.3	0733.7	16.2	8.4	10.1	195	45.000
60.0	18.2	2397.3	0730.7	16.0	8.4	10.0	195	45.000
70.0	21.3	2387.3	0727.6	15.3	8.2	9.4	190	45.000
80.0	24.3	2377.3	0724.6	14.3	8.1	8.9	180	45.000
90.0	27.4	2367.3	0721.5	14.0	8.2	9.1	190	41.000
100.0	30.4	2357.3	0718.5	13.8	8.2	9.2	190	33.000
110.0	33.5	2347.3	0715.4	13.5	8.2	9.2	190	30.000
120.0	36.5	2337.3	0712.4	13.3	8.2	9.5	190	28.000
130.0	39.6	2327.3	0709.3	13.0	8.2	9.2	190	23.000
140.0	42.6	2317.3	0706.3	12.4	8.1	9.5	180	27.000
155.0	47.2	2302.3	0701.7	12.0	8.1	9.2	180	19.000
170.0	51.8	2287.3	0697.1	11.6	8.1	9.2	175	16.000
185.0	56.3	2272.3	0692.6	11.0	8.0	9.0	180	16.000
200.0	60.9	2257.3	0688.0	10.6	8.0	9.1	180	12.000
215.0	65.5	2242.3	0683.4	10.3	8.0	8.8	180	11.000
230.0	70.1	2227.3	0678.8	9.7	8.0	8.6	190	12.000
245.0	74.6	2212.3	0674.3	9.0	7.9	7.9	190	24.000
255.0	77.7	2202.3	0671.2	9.0	7.9	7.5	190	25.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 12 OCT 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2454.0	0747.9	14.9	8.5	8.8	190	
1.0	0.3	2453.0	0747.6	14.9	8.5	8.8	190	
2.0	0.6	2452.0	0747.3	14.9	8.5	8.8	190	
5.0	1.5	2449.0	0746.4	14.9	8.5	8.8	190	
10.0	3.0	2444.0	0744.9	14.9	8.5	8.8	190	
15.0	4.5	2439.0	0743.4	14.9	8.4	8.8	190	
20.0	6.0	2434.0	0741.8	14.9	8.4	8.8	190	
25.0	7.6	2429.0	0740.3	14.9	8.4	8.8	190	
30.0	9.1	2424.0	0738.8	14.9	8.4	8.8	190	
35.0	10.6	2419.0	0737.3	14.8	8.4	8.8	190	
40.0	12.1	2414.0	0735.8	14.8	8.4	8.7	185	
45.0	13.7	2409.0	0734.2	14.8	8.4	8.7	185	
50.0	15.2	2404.0	0732.7	14.8	8.4	8.7	185	
60.0	18.2	2394.0	0729.7	14.8	8.4	8.7	185	
70.0	21.3	2384.0	0726.6	14.4	8.2	8.2	200	
80.0	24.3	2374.0	0723.6	14.2	8.2	8.1	205	
90.0	27.4	2364.0	0720.5	14.0	8.2	8.1	205	
100.0	30.4	2354.0	0717.5	13.9	8.2	8.1	200	
110.0	33.5	2344.0	0714.4	13.7	8.2	8.1	200	
125.0	38.1	2329.0	0709.8	13.4	8.1	7.9	195	
140.0	42.6	2314.0	0705.3	13.3	8.1	7.9	195	
155.0	47.2	2299.0	0700.7	12.9	8.1	7.9	190	
170.0	51.8	2284.0	0696.1	12.7	8.0	7.7	195	
185.0	56.3	2269.0	0691.6	12.0	8.0	7.6	195	
200.0	60.9	2254.0	0687.0	11.3	8.0	7.6	190	
215.0	65.5	2239.0	0682.4	10.6	8.0	7.6	185	
230.0	70.1	2224.0	0677.8	10.1	8.0	7.5	190	
240.0	73.1	2214.0	0674.8	9.8	7.9	7.5	180	

WATER QUALITY SAMPLING DATE: 28 OCT 76

0.1	0.0	2445.7	0745.0	13.0	8.4	8.8	190	
1.0	0.3	2444.8	0745.1	13.0	8.4	8.8	190	33.000
2.0	0.6	2443.8	0744.8	13.0	8.4	8.8	190	33.000
5.0	1.5	2440.8	0743.9	13.0	8.4	8.7	190	33.000
10.0	3.0	2435.8	0742.4	13.0	8.4	8.7	190	30.000
15.0	4.5	2430.8	0740.9	13.0	8.4	8.8	190	30.000
20.0	6.0	2425.8	0739.4	13.0	8.4	8.8	190	30.000
25.0	7.6	2420.8	0737.8	13.0	8.4	8.7	190	28.000
30.0	9.1	2415.8	0736.3	13.0	8.3	8.8	190	27.000
35.0	10.6	2410.8	0734.8	13.0	8.3	8.8	190	25.000
40.0	12.1	2405.8	0733.3	13.0	8.3	8.8	190	27.000
45.0	13.7	2400.8	0731.7	13.0	8.3	8.9	190	25.000
50.0	15.2	2395.8	0730.2	13.0	8.3	9.0	190	24.000
60.0	18.2	2385.8	0727.2	13.0	8.3	9.0	190	27.000
70.0	21.3	2375.8	0724.1	13.0	8.3	9.0	190	27.000
80.0	24.3	2365.8	0721.1	13.0	8.3	8.9	190	25.000
90.0	27.4	2355.8	0718.0	13.0	8.3	8.8	190	24.000
100.0	30.4	2345.8	0715.0	13.0	8.3	8.8	190	24.000
110.0	33.5	2335.8	0711.9					24.000
120.0	36.5	2325.8	0708.9					24.000
130.0	39.6	2315.8	0705.8					24.000
140.0	42.6	2305.8	0702.8					21.000
150.0	45.7	2295.8	0699.7					25.000
160.0	48.7	2285.8	0696.7					15.000
170.0	51.8	2275.8	0693.6					4.900
180.0	54.8	2265.8	0690.6					1.300
190.0	57.9	2255.8	0687.5					0.130
200.0	60.9	2245.8	0684.5					0.020

WATER QUALITY SAMPLING DATE: 10 MAY 77

0.1	0.0	2364.0	0720.5	9.0	8.5	11.6	225	19.000
1.0	0.3	2363.1	0720.2	9.0	8.5	11.6	225	19.000
2.0	0.6	2362.1	0719.9	9.0	8.5	11.6	225	18.000
5.0	1.5	2359.1	0719.0	8.8	8.5	11.6	225	18.000
10.0	3.0	2354.1	0717.5	8.6	8.5	11.6	225	14.000
15.0	4.5	2349.1	0716.0	7.9	8.5	11.7	225	13.000
20.0	6.0	2344.1	0714.4	7.9	8.5	11.7	225	13.000
25.0	7.6	2339.1	0712.9	7.7	8.5	11.8	230	12.000
30.0	9.1	2334.1	0711.4	7.2	8.5	11.9	245	12.000
35.0	10.6	2329.1	0709.9	7.1	8.5	11.9	245	11.000
40.0	12.1	2324.1	0708.3	7.0	8.4	11.9	245	11.000
50.0	15.2	2314.1	0705.3	7.0	8.4	11.9	245	11.000
60.0	18.2	2304.1	0702.2	6.3	8.4	12.0	255	11.000
70.0	21.3	2294.1	0699.2	6.0	8.4	12.1	260	14.000
80.0	24.3	2284.1	0696.1	5.8	8.4	12.2	260	16.000
90.0	27.4	2274.1	0693.1	5.2	8.4	12.4	250	19.000
100.0	30.4	2264.1	0690.0	4.7	8.3	12.4	250	20.000
110.0	33.5	2254.1	0687.0	4.3	8.3	12.5	230	21.000
125.0	38.1	2239.1	0682.4	4.3	8.2	12.5	230	21.000
140.0	42.6	2224.1	0677.9	4.2	8.2	12.5	230	21.000
155.0	47.2	2209.1	0673.3	4.1	8.2	12.5	230	21.000
170.0	51.8	2194.1	0668.7	4.1	8.0	12.5	230	17.000
180.0	54.8	2184.1	0665.7	4.1	8.0	12.5	230	12.000



TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 23 MAY 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2376.5	0724.3	9.8	8.5		245	
1.5	0.4	2375.1	0723.9	9.8	8.5	10.5	245	39.000
2.0	0.6	2374.6	0723.7	9.6	8.5		245	39.000
5.0	1.5	2371.6	0722.8	9.6	8.5		245	39.000
10.0	3.0	2366.6	0721.3	9.6	8.5	10.6	245	39.000
15.0	4.5	2361.6	0719.8	9.6	8.5		245	37.000
20.0	6.0	2356.6	0718.2	9.6	8.5		245	37.000
25.0	7.6	2351.6	0716.7	9.6	8.5		245	37.000
35.0	10.6	2341.6	0713.7	9.4	8.5	10.3	235	37.000
40.0	12.1	2336.6	0712.1	9.2	8.5	10.2	240	39.000
50.0	15.2	2326.6	0709.1	8.6	8.4	10.2	240	30.000
60.0	18.2	2316.6	0706.0	7.6	8.3	10.3	245	21.000
70.0	21.3	2306.6	0703.0	7.2	8.4	10.5	255	24.000
80.0	24.3	2296.6	0700.0	6.6	8.4	10.9	250	35.000
95.0	28.9	2281.6	0695.4	5.8	8.4	11.2	245	43.000
110.0	33.5	2266.6	0690.8	5.2	8.4	11.3	240	43.000
125.0	38.1	2251.6	0686.2	5.0	8.4	11.4	235	
140.0	42.6	2236.6	0681.7	4.8	8.3	11.5	235	
155.0	47.2	2221.6	0677.1	4.6	8.3	11.5	235	
170.0	51.8	2206.6	0672.5	4.4	8.3	11.5	235	
185.0	56.3	2191.6	0667.9	4.4	8.2	11.6	235	
195.0	59.4	2181.6	0664.9	4.4	8.2	11.8	235	

WATER QUALITY SAMPLING DATE: 14 JUN 77

0.1	0.0	2401.3	0731.9	15.0	8.5	10.0	240	
1.5	0.4	2399.9	0731.5	15.0	8.5	10.0	240	33.000
2.0	0.6	2399.4	0731.3	14.8	8.5	10.0	240	32.000
5.0	1.5	2396.4	0730.4	14.4	8.5	10.1	240	28.000
10.0	3.0	2391.4	0728.9	14.2	8.5	10.3	245	27.000
15.0	4.5	2386.4	0727.4	14.1	8.5	10.3	245	20.000
20.0	6.0	2381.4	0725.8	13.9	8.5	10.1	245	20.000
25.0	7.6	2376.4	0724.3	13.6	8.5	10.3	245	20.000
30.0	9.1	2371.4	0722.8	13.3	8.5	10.3	245	21.000
35.0	10.6	2366.4	0721.3	13.1	8.5	10.4	250	20.000
40.0	12.1	2361.4	0719.7	12.9	8.5	10.5	250	20.000
45.0	13.7	2356.4	0718.2	12.6	8.5	10.6	250	20.000
50.0	15.2	2351.4	0716.7	11.1	8.4	10.6	250	24.000
60.0	18.2	2341.4	0713.6	10.4	8.4	10.4	255	30.000
70.0	21.3	2331.4	0710.6	10.1	8.4	10.4	250	27.000
80.0	24.3	2321.4	0707.5	9.8	8.4	10.6	250	25.000
90.0	27.4	2311.4	0704.5	9.0	8.4	10.8	255	24.000
100.0	30.4	2301.4	0701.4	8.1	8.4	11.0	255	24.000
115.0	35.0	2286.4	0696.9	7.1	8.4	11.0	260	24.000
130.0	39.6	2271.4	0692.3	6.1	8.3	10.8	250	24.000
145.0	44.1	2256.4	0687.7	5.6	8.3	10.8	255	27.000
160.0	48.7	2241.4	0683.2	5.3	8.3	10.6	245	30.000
175.0	53.3	2226.4	0678.6	5.3	8.2	10.6	245	30.000
190.0	57.9	2211.4	0674.0	5.4	8.2	10.6	245	30.000
206.0	62.7	2195.4	0669.1	5.4	8.1	10.3	245	30.000
216.0	65.8	2185.0	0664.1	5.7	8.1	10.1	245	30.000

WATER QUALITY SAMPLING DATE: 27 JUN 77

0.1	0.0	2412.4	0735.3	17.4	8.7	10.2	250	
1.5	0.4	2411.0	0734.8	17.4	8.7	10.2	250	
5.0	1.5	2407.5	0733.8	17.4	8.7	10.0	250	
10.0	3.0	2402.5	0732.3	17.4	8.7	10.4	250	
15.0	4.5	2397.5	0730.7	17.0	8.7	9.8	250	
20.0	6.0	2392.5	0729.2	15.4	8.6	9.8	230	
25.0	7.6	2387.5	0727.7	14.4	8.5	9.7	225	
30.0	9.1	2382.5	0726.2	12.8	8.4	9.5	210	
40.0	12.1	2372.5	0723.1	11.6	8.4	9.6	210	
50.0	15.2	2362.5	0720.1	11.2	8.4	9.8	210	
60.0	18.2	2352.5	0717.0	10.8	8.4	9.6	240	
70.0	21.3	2342.5	0714.0	10.2	8.4	9.6	250	
80.0	24.3	2332.5	0710.9	10.0	8.4		250	
90.0	27.4	2322.5	0707.9	9.6	8.4		250	
100.0	30.4	2312.5	0704.8	9.0	8.4		255	
110.0	33.5	2302.5	0701.8	8.6	8.4		250	
120.0	36.5	2292.5	0698.7	8.2	8.4		250	
130.0	39.6	2282.5	0695.7	7.4	8.4		250	
145.0	44.1	2267.5	0691.1	6.4	8.4		250	
160.0	48.7	2252.5	0686.5	5.8	8.3		245	
175.0	53.3	2237.5	0682.0	5.4	8.3		245	
190.0	57.9	2222.5	0677.4	5.3	8.3		245	
205.0	62.4	2207.5	0672.8	5.6	8.2		240	
219.0	66.7	2193.5	0668.6	5.6	8.1		240	
229.0	69.7	2183.5	0665.5	5.6	8.1	9.4	240	

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENPILF CREEK

WATER QUALITY SAMPLING DATE: 11 JUL 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHMOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2414.2	0735.8	17.5	8.6	9.7	235	
1.5	0.4	2412.9	0735.0	17.4	8.6	9.8	235	30.000
5.0	1.5	2409.3	0734.3	17.4	8.6	9.9	235	28.000
10.0	3.0	2404.3	0732.8	17.3	8.6	9.9	225	27.000
15.0	4.5	2399.3	0731.3	17.0	8.6	10.0	225	27.000
20.0	6.0	2394.3	0729.7	16.9	8.6	10.0	225	27.000
25.0	7.6	2389.3	0728.2	16.6	8.6	10.1	220	27.000
30.0	9.1	2384.3	0726.7	16.3	8.6	10.1	220	30.000
35.0	10.6	2379.3	0725.2	16.2	8.6	10.1	225	32.000
40.0	12.1	2374.3	0723.7	16.1	8.6	10.2	225	32.000
45.0	13.7	2369.3	0722.1	15.9	8.5	10.2	225	32.000
50.0	15.2	2364.3	0720.6	14.8	8.4	10.1	220	32.000
55.0	16.7	2359.3	0719.1	14.0	8.4	10.1	220	33.000
60.0	18.2	2354.3	0717.6	12.9	8.3	10.1	210	33.000
70.0	21.3	2344.3	0714.5	12.0	8.3	10.1	220	30.000
80.0	24.3	2334.3	0711.5	11.3	8.3	10.2	230	27.000
90.0	27.4	2324.3	0708.4	10.9	8.3	10.3	240	28.000
100.0	30.4	2314.3	0705.4	10.0	8.2	10.3	240	37.000
110.0	33.5	2304.3	0702.3	9.3	8.2	10.3	245	41.000
120.0	36.5	2294.3	0699.3	8.3	8.2	10.4	250	43.000
130.0	39.6	2284.3	0696.2	7.7	8.2	10.4	245	45.000
140.0	42.6	2274.3	0693.2	6.8	8.1	10.4	245	45.000
155.0	47.2	2259.3	0688.6	6.0	8.0	10.2	245	45.000
170.0	51.8	2244.3	0684.0	5.9	8.0	10.1	245	41.000
185.0	56.3	2229.3	0679.5	5.9	8.0	10.0	235	39.000
200.0	60.9	2214.3	0674.9	5.9	7.9	10.0	235	37.000
210.0	65.2	2200.3	0670.6	5.9	7.9	9.8	235	37.000
224.0	68.2	2190.3	0667.6	5.9	7.9	9.7	235	37.000

WATER QUALITY SAMPLING DATE: 25 JUL 77

0.1	0.0	2412.0	0735.1	19.8	8.7	9.0	235	
1.5	0.4	2410.6	0734.7	19.8	8.7	9.0	235	41.000
3.0	0.9	2409.1	0734.3	19.8	8.7	9.2	235	41.000
5.0	1.5	2407.1	0733.6	19.8	8.7	9.2	235	41.000
10.0	3.0	2402.1	0732.1	19.6	8.7	9.3	230	39.000
15.0	4.5	2397.1	0730.6	19.0	8.7	9.3	235	33.000
20.0	6.0	2392.1	0729.1	18.6	8.7	9.3	230	32.000
25.0	7.6	2387.1	0727.5	18.0	8.7	9.3	225	30.000
30.0	9.1	2382.1	0726.0	17.4	8.6	9.3	230	30.000
35.0	10.6	2377.1	0724.5	17.2	8.6	9.3	225	
40.0	12.1	2372.1	0723.0	17.0	8.5	9.3	225	32.000
45.0	13.7	2367.1	0721.5	16.6	8.5	9.2	225	
50.0	15.2	2362.1	0719.9	16.2	8.5	9.1	230	
60.0	18.2	2352.1	0716.9	14.6	8.3	8.8	225	
70.0	21.3	2342.1	0713.8	12.6	8.1	8.8	220	
80.0	24.3	2332.1	0710.8	11.6	8.2	9.0	230	
90.0	27.4	2322.1	0707.7	10.4	8.2	9.3	240	
100.0	30.4	2312.1	0704.7	9.8	8.2	9.2	240	
110.0	33.5	2302.1	0701.6	9.2	8.2	9.1	245	
120.0	36.5	2292.1	0698.6	8.6	8.2	9.4	250	
130.0	39.6	2282.1	0695.5	7.6	8.2	9.4	250	
145.0	44.1	2267.1	0691.0	6.8	8.1	9.2	245	
160.0	48.7	2252.1	0686.4	6.2	8.0	9.1	250	
175.0	53.3	2237.1	0681.8	5.8	8.0	9.0	245	
190.0	57.9	2222.1	0677.3	5.8	8.0	8.8	245	
205.0	62.4	2207.1	0672.7	5.8	7.9	8.7	245	
218.0	66.4	2194.1	0668.7	5.8	7.9	8.6	245	
228.0	69.4	2184.1	0665.7	5.8	7.9	8.5	245	

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 15 AUG 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHMS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2410.0	0734.5	19.1	8.6	9.0	220	
1.5	0.4	2408.6	0734.1	19.1	8.6	9.0	220	27.000
3.0	0.9	2407.1	0733.6	19.1	8.6	9.0	220	27.000
5.0	1.5	2405.1	0733.0	19.1	8.6	9.0	220	27.000
10.0	3.0	2400.1	0731.5	19.1	8.6	9.0	220	27.000
15.0	4.5	2395.1	0730.0	19.1	8.6	9.0	220	27.000
20.0	6.0	2390.1	0728.5	19.1	8.6	9.0	220	27.000
25.0	7.6	2385.1	0726.9	19.1	8.6	9.0	220	27.000
30.0	9.1	2380.1	0725.4	19.0	8.6	9.0	220	27.000
35.0	10.6	2375.1	0723.9	19.0	8.6	9.0	220	27.000
40.0	12.1	2370.1	0722.4	19.0	8.6	9.0	220	27.000
45.0	13.7	2365.1	0720.8	19.0	8.5	9.0	220	25.000
50.0	15.2	2360.1	0719.3	18.9	8.5	9.1	220	25.000
55.0	16.7	2355.1	0717.8	18.8	8.5	9.1	220	27.000
60.0	18.2	2350.1	0716.3	18.8	8.4	9.1	215	28.000
65.0	19.8	2345.1	0714.7	17.3	8.2	8.9	215	30.000
70.0	21.3	2340.1	0713.2	14.9	8.0	8.9	215	41.000
80.0	24.3	2330.1	0710.2	12.1	8.0	8.9	220	50.000
90.0	27.4	2320.1	0707.1	11.1	8.0	9.3	230	55.000
100.0	30.4	2310.1	0704.1	10.0	8.0	9.4	240	57.000
110.0	33.5	2300.1	0701.0	9.3	8.0	9.6	245	56.000
120.0	36.5	2290.1	0698.0	8.9	8.0	9.6	245	57.000
130.0	39.6	2280.1	0694.9	8.2	8.0	9.7	245	60.000
140.0	42.6	2270.1	0691.9	7.2	8.0	9.8	245	57.000
155.0	47.2	2255.1	0687.3	6.8	7.9	9.8	245	57.000
170.0	51.8	2240.1	0682.7	6.1	7.8	9.8	245	57.000
185.0	56.3	2225.1	0678.2	6.1	7.8	9.9	245	55.000
200.0	60.9	2210.1	0673.6	6.1	7.8	9.9	245	52.000
214.0	65.2	2196.1	0669.3	6.1	7.8	9.9	245	52.000
224.0	68.2	2186.1	0666.3	6.1	7.8	9.8	245	52.000

WATER QUALITY SAMPLING DATE: 29 AUG 77

0.1	0.0	2409.8	0734.5	18.8	8.6	8.6	235	
1.5	0.4	2408.4	0734.0	18.8	8.6	8.6	235	41.000
3.0	0.9	2406.9	0733.6	18.8	8.6	8.6	235	41.000
5.0	1.5	2404.9	0733.0	18.8	8.6	8.6	235	39.000
10.0	3.0	2399.9	0731.5	18.8	8.6	8.6	235	39.000
15.0	4.5	2394.9	0729.9	18.8	8.6	8.6	235	39.000
20.0	6.0	2389.9	0728.4	18.8	8.6	8.6	235	39.000
25.0	7.6	2384.9	0726.9	18.8	8.6	8.6	235	39.000
30.0	9.1	2379.9	0725.4	18.8	8.6	8.6	235	39.000
35.0	10.6	2374.9	0723.8	18.8	8.6	8.6	235	39.000
40.0	12.1	2369.9	0722.3	18.6	8.6	8.6	235	39.000
45.0	13.7	2364.0	0720.8	18.4	8.5	8.4	235	32.000
50.0	15.2	2359.9	0719.3	16.2	8.2	7.9	240	25.000
55.0	16.7	2354.9	0717.7	15.4	8.1	7.8	240	24.000
60.0	18.2	2349.0	0716.2	14.8	8.1	7.8	235	32.000
65.0	19.8	2344.9	0714.7	14.2	8.0	7.7	230	37.000
70.0	21.3	2339.0	0713.2	13.6	8.0	7.7	235	41.000
80.0	24.3	2329.9	0710.1	12.2	8.0	8.1	235	50.000
90.0	27.4	2319.9	0707.1	11.2	8.0	8.4	240	48.000
100.0	30.4	2309.9	0704.0	10.4	8.0	8.6	240	55.000
110.0	33.5	2299.9	0701.0	9.6	8.0	8.8	245	55.000
125.0	38.1	2284.9	0696.4	8.6	8.0	8.9	250	50.000
140.0	42.6	2269.9	0691.8	7.8	7.9	8.9	250	55.000
155.0	47.2	2254.9	0687.3	6.8	7.9	9.0	255	52.000
170.0	51.8	2239.9	0682.7	6.2	7.9	8.9	250	50.000
185.0	56.3	2224.9	0678.1	6.0	7.8	8.8	250	45.000
200.0	60.9	2209.9	0673.5	5.8	7.8	8.8	250	43.000
210.0	64.0	2199.9	0670.5	5.6	7.8	8.8	255	43.000
220.0	67.0	2189.0	0667.4	5.6	7.8	8.8	255	43.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 12 SEP 77

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2412.7	0735.0	17.8	8.8	8.6	230	
1.5	0.4	2411.3	0734.9	17.8	8.8	8.6	230	48.000
3.0	0.9	2409.8	0734.5	17.8	8.8	8.6	230	45.000
5.0	1.5	2407.8	0733.9	17.6	8.8	8.6	235	41.000
10.0	3.0	2402.9	0732.3	17.6	8.8	8.6	235	41.000
15.0	4.5	2397.4	0730.4	17.6	8.8	8.6	235	41.000
20.0	6.0	2392.3	0729.3	17.4	8.7	8.6	235	41.000
25.0	7.6	2387.8	0727.8	17.4	8.7	8.6	235	41.000
30.0	9.1	2382.8	0726.2	17.2	8.7	8.6	235	39.000
35.0	10.6	2377.3	0724.7	17.2	8.7	8.6	235	39.000
40.0	12.1	2372.8	0723.2	17.2	8.7	8.6	235	39.000
45.0	13.7	2367.8	0721.7	17.2	8.7	8.6	235	41.000
50.0	15.2	2362.8	0720.1	17.2	8.7	8.5	235	41.000
55.0	16.7	2357.8	0718.6	16.8	8.5	8.3	235	33.000
60.0	18.2	2352.8	0717.1	15.2	8.3	7.7	245	21.000
70.0	21.3	2342.8	0710.0	14.6	8.2	7.6	240	14.000
80.0	24.3	2332.8	0711.0	12.8	8.0	7.6	225	21.000
90.0	27.4	2322.8	0708.0	11.2	8.0	8.4	240	48.000
100.0	30.4	2312.8	0704.9	10.4	8.1	8.7	245	55.000
110.0	33.5	2302.8	0701.9	9.4	8.1	8.7	245	55.000
120.0	36.5	2292.8	0698.8	8.8	8.0	8.6	245	41.000
135.0	41.1	2277.8	0694.2	7.8	8.0	8.6	250	43.000
150.0	45.7	2262.8	0689.7	6.8	8.0	8.6	255	48.000
165.0	50.2	2247.8	0685.1	6.4	8.0	8.6	250	50.000
180.0	54.8	2232.8	0680.5	6.0	7.9	8.4	250	45.000
195.0	59.4	2217.8	0675.9	6.0	7.9	8.4	250	45.000
210.0	64.0	2202.8	0671.4	6.0	7.9	8.2	250	45.000
220.0	67.0	2192.8	0668.3	6.0	8.0	8.2	250	43.000

WATER QUALITY SAMPLING DATE: 28 SEP 77

0.1	0.0	2412.9	0735.0	15.2	8.6	8.9	240	
1.5	0.4	2411.5	0735.0	15.2	8.6	8.9	240	60.000
3.0	0.9	2410.0	0734.5	15.2	8.6	8.9	240	57.000
5.0	1.5	2408.0	0733.9	15.2	8.6	8.9	240	57.000
10.0	3.0	2403.0	0732.4	15.2	8.6	8.9	235	57.000
15.0	4.5	2398.0	0730.9	15.2	8.6	8.9	235	57.000
20.0	6.0	2393.0	0729.3	15.2	8.6	9.0	235	57.000
25.0	7.6	2388.0	0727.8	15.2	8.6	9.0	235	57.000
30.0	9.1	2383.0	0726.3	15.2	8.6	9.0	235	57.000
35.0	10.6	2378.0	0724.8	15.2	8.6	9.0	235	57.000
40.0	12.1	2373.0	0723.2	15.2	8.6	9.0	235	57.000
45.0	13.7	2368.0	0721.7	15.2	8.6	9.1	235	57.000
50.0	15.2	2363.0	0720.2	15.2	8.6	9.0	235	57.000
60.0	18.2	2353.0	0717.2	15.2	8.5	9.0	235	57.000
70.0	21.3	2343.0	0714.1	14.4	8.3	8.5	235	57.000
80.0	24.3	2333.0	0711.1	12.6	8.1	8.0	245	30.000
90.0	27.4	2323.0	0708.0	11.2	8.0	8.0	245	25.000
100.0	30.4	2313.0	0705.0	10.2	8.0	8.4	240	23.000
110.0	33.5	2303.0	0701.9	9.8	8.0	8.5	240	35.000
125.0	38.1	2288.0	0697.3	8.4	8.0	8.6	250	24.000
140.0	42.6	2273.0	0692.8	7.8	8.0	8.8	250	32.000
155.0	47.2	2258.0	0688.2	7.0	7.9	8.6	255	32.000
170.0	51.8	2243.0	0683.6	6.6	7.9	8.5	250	32.000
185.0	56.3	2228.0	0679.1	6.2	7.8	8.2	250	43.000
200.0	60.9	2213.0	0674.5	6.0	7.8	8.1	250	45.000
215.0	65.5	2198.0	0669.9	6.0	7.9	8.1	250	39.000
225.0	68.5	2188.0	0666.9	5.0	7.9	8.1	250	39.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 11 OCT 77

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROHMOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2408.1	0733.9	13.5	8.5	9.0	235	
1.5	0.4	2406.7	0733.5	13.4	8.5	9.0	235	45.000
3.0	0.9	2405.2	0733.1	13.4	8.5	9.0	235	45.000
5.0	1.5	2403.2	0732.4	13.4	8.5	9.0	235	45.000
10.0	3.0	2398.2	0730.9	13.4	8.5	9.0	235	45.000
15.0	4.5	2393.2	0729.4	13.4	8.5	9.0	235	45.000
20.0	6.0	2388.2	0727.9	13.4	8.5	9.0	235	45.000
25.0	7.6	2383.2	0726.4	13.4	8.5	9.0	235	45.000
30.0	9.1	2378.2	0724.8	13.3	8.5	9.0	235	45.000
35.0	10.6	2373.2	0723.3	13.3	8.5	9.0	235	45.000
40.0	12.1	2368.2	0721.8	13.3	8.5	9.0	235	45.000
45.0	13.7	2363.2	0720.3	13.3	8.5	9.0	235	45.000
50.0	15.2	2358.2	0718.7	13.3	8.5	8.9	235	45.000
55.0	16.7	2353.2	0717.2	13.3	8.5	8.9	235	45.000
65.0	19.8	2343.2	0714.2	13.3	8.5	8.9	235	45.000
75.0	22.8	2333.2	0711.1	13.0	8.4	8.6	235	45.000
85.0	25.9	2323.2	0708.1	11.8	8.3	8.0	245	21.000
95.0	28.9	2313.2	0705.0	10.9	8.2	7.8	245	21.000
105.0	32.0	2303.2	0702.0	9.8	8.0	7.4	250	18.000
120.0	36.5	2288.2	0697.4	8.8	8.0	7.5	250	18.000
135.0	41.1	2273.2	0692.8	7.9	8.0	8.0	250	18.000
150.0	45.7	2258.2	0688.3	7.4	8.0	8.0	250	18.000
165.0	50.2	2243.2	0683.7	6.7	8.0	8.0	250	18.000
180.0	50.8	2228.2	0679.1	6.0	7.9	7.8	250	18.000
195.0	59.4	2213.2	0674.5	6.0	7.9	7.8	250	24.000
207.0	63.0	2201.2	0670.9	6.0	7.9	7.8	250	20.000
217.0	66.1	2191.2	0667.8	6.0	7.9	7.8	250	16.000

WATER QUALITY SAMPLING DATE: 25 OCT 77

0.1	0.0	2402.6	0732.3	12.2	8.5	9.2	240	
1.5	0.4	2401.2	0731.9	12.2	8.5	9.2	240	48.000
3.0	0.9	2399.7	0731.4	12.2	8.5	9.2	240	48.000
5.0	1.5	2397.7	0730.8	12.2	8.5	9.2	240	48.000
10.0	3.0	2392.7	0729.3	12.2	8.5	9.2	240	45.000
15.0	4.5	2387.7	0727.7	12.2	8.5	9.2	240	45.000
20.0	6.0	2382.7	0726.2	12.2	8.5	9.2	240	45.000
25.0	7.6	2377.7	0724.7	12.2	8.5	9.2	240	45.000
30.0	9.1	2372.7	0723.2	12.2	8.5	9.2	240	48.000
35.0	10.6	2367.7	0721.6	12.2	8.5	9.2	240	48.000
40.0	12.1	2362.7	0720.1	12.2	8.5	9.2	240	48.000
45.0	13.7	2357.7	0718.6	12.2	8.5	9.2	240	48.000
50.0	15.2	2352.7	0717.1	12.2	8.5	9.2	240	48.000
60.0	18.2	2342.7	0714.0	12.2	8.5	9.2	240	48.000
70.0	21.3	2332.7	0711.0	12.0	8.5	9.2	240	45.000
80.0	24.3	2322.7	0707.9	11.8	8.4	9.1	240	39.000
90.0	27.4	2312.7	0704.9	11.0	8.3	8.7	250	17.000
100.0	30.4	2302.7	0701.8	10.0	8.1	8.1	255	15.000
115.0	35.0	2287.7	0697.3	9.2	7.9	7.3	255	23.000
130.0	39.6	2272.7	0692.7	8.8	7.8	7.0	245	7.300
145.0	44.1	2257.7	0688.1	7.8	7.8	7.2	250	15.000
160.0	48.7	2242.7	0683.5	6.7	7.8	7.4	250	12.000
175.0	53.3	2227.7	0679.0	6.2	7.8	7.3	250	9.200
190.0	57.9	2212.7	0674.4	6.0	7.8	7.3	250	4.900
203.0	61.8	2199.7	0670.4	6.0	7.8	7.2	250	5.300
213.0	64.9	2189.7	0667.4	6.0	7.8	7.2	250	3.400

TABLE 14. STATION NO. 12301830, LAKE KODCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 08 MAY 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2356.5	0718.2	8.2	8.1	11.3		
1.5	0.4	2355.1	0717.8	8.2	8.1	11.3	285	7.300
3.0	0.9	2353.6	0717.3	8.1	8.1	11.3		6.800
5.0	1.5	2351.4	0716.7	8.2	8.1	11.4		6.300
10.0	3.0	2346.6	0715.2	7.8	8.2	11.3	285	6.300
15.0	4.5	2341.6	0713.7	7.7	8.2	11.2		6.300
20.0	6.0	2336.6	0712.2	7.6	8.2	11.1		6.800
25.0	7.6	2331.6	0710.6	7.6	8.2	11.2	285	7.900
30.0	9.1	2326.6	0709.1	7.3	8.2	11.3		8.500
40.0	12.1	2316.6	0706.1	7.2	8.2	11.4		9.800
50.0	15.2	2306.6	0703.0	6.8	8.3	11.6		11.000
60.0	18.2	2296.6	0700.0	6.2	8.3	11.5		12.000
70.0	21.3	2286.6	0696.9	5.5	8.3	11.3		14.000
80.0	24.3	2276.6	0693.9	5.4	8.2	11.3		11.000
90.0	27.4	2266.6	0690.8	4.8	8.2	11.3		5.300
100.0	30.4	2256.6	0687.7	4.7	8.2	11.2		6.800
115.0	35.0	2241.6	0683.2	4.5	8.2	11.0		6.300
130.0	39.6	2226.6	0678.6	4.4	8.1	10.7		3.800
145.0	44.1	2211.6	0674.1	4.4	8.1	10.7		3.400
158.0	48.1	2198.6	0670.1	4.4	8.1	10.5	312	3.400
168.0	51.2	2188.6	0667.1	4.4	8.1	10.5		0.620

WATER QUALITY SAMPLING DATE: 25 MAY 78

0.1	0.0	2386.3	0727.3	10.0	8.4	10.3	250	11.000
1.5	0.4	2384.0	0726.9	10.0	8.4	10.3	250	11.000
3.0	0.9	2383.4	0726.4	10.0	8.4	10.4	250	9.800
5.0	1.5	2381.4	0725.8	9.6	8.4	10.5	250	9.800
10.0	3.0	2376.4	0724.3	9.6	8.4	10.6	250	9.200
15.0	4.5	2371.4	0722.8	9.2	8.4	10.6	240	8.500
20.0	6.0	2366.4	0721.3	9.0	8.3	10.6	235	7.900
25.0	7.6	2361.4	0719.7	8.6	8.2	10.6	235	6.300
30.0	9.1	2356.4	0718.2	8.2	8.2	10.5	235	5.300
40.0	12.1	2346.4	0715.2	8.0	8.2	10.4	245	6.300
50.0	15.2	2336.4	0712.2	7.8	8.2	10.4	245	8.500
60.0	18.2	2326.4	0709.1	7.2	8.2	10.4	255	9.800
70.0	21.3	2316.4	0706.1	7.2	8.2	10.3	270	14.000
80.0	24.3	2306.4	0703.0	6.6	8.2	10.3	270	19.000
90.0	27.4	2296.4	0699.9	5.8	8.2	10.3	275	24.000
100.0	30.4	2286.4	0696.9	5.0	8.2	10.2	270	28.000
115.0	35.0	2271.4	0692.3	4.8	8.2	10.2	270	19.000
130.0	39.6	2256.4	0687.7	4.8	8.1	10.2	270	14.000
145.0	44.1	2241.4	0683.2	4.8	8.1	10.2	275	8.500
160.0	48.7	2226.4	0678.6	4.8	8.1	10.2	275	5.300
175.0	53.3	2211.4	0674.1	4.8	8.1	10.2	275	4.900
187.0	56.9	2199.4	0670.4	4.8	8.1	10.7	275	2.600
197.0	60.0	2189.4	0667.3	5.0	8.1	10.6	275	0.390

WATER QUALITY SAMPLING DATE: 13 JUN 78

0.1	0.0	2421.2	0738.0	14.0	8.7	10.2	240	
1.5	0.4	2419.4	0737.5	14.0	8.7	10.2	240	3.100
3.0	0.9	2418.3	0737.1	14.0	8.7	10.2	240	3.100
5.0	1.5	2416.3	0736.5	13.9	8.7	10.2	240	3.100
10.0	3.0	2411.3	0734.9	13.6	8.6	10.2	240	2.600
15.0	4.5	2406.3	0733.4	13.5	8.6	10.2	235	2.600
20.0	6.0	2401.3	0731.9	13.3	8.6	10.2	235	2.300
25.0	7.6	2396.3	0730.4	12.0	8.5	10.2	225	2.800
30.0	9.1	2391.3	0728.8	11.7	8.5	10.2	225	8.500
40.0	12.1	2381.3	0725.8	10.9	8.4	10.3	220	3.100
50.0	15.2	2371.3	0722.7	10.8	8.4	10.4	220	0.920
60.0	18.2	2361.3	0719.7	9.3	8.4	10.5	225	6.300
70.0	21.3	2351.3	0716.6	8.7	8.3	10.6	220	7.300
80.0	24.3	2341.3	0713.6	8.4	8.3	10.6	220	7.300
90.0	27.4	2331.3	0710.5	7.9	8.3	10.7	230	6.800
100.0	30.4	2321.3	0707.5	7.5	8.2	10.9	245	6.300
110.0	33.5	2311.3	0704.5	6.9	8.2	11.1	260	17.000
120.0	36.6	2301.3	0701.4	6.2	8.2	11.2	265	23.000
130.0	39.6	2291.3	0698.4	5.2	8.2	11.3	265	23.000
145.0	44.1	2276.3	0693.8	4.9	8.2	11.3	265	23.000
160.0	48.7	2261.3	0689.2	4.9	8.2	11.2	270	18.000
175.0	53.3	2246.3	0684.6	4.9	8.2	11.2	270	12.000
190.0	57.9	2231.3	0680.0	4.9	8.2	11.2	270	11.000
205.0	62.0	2216.3	0675.5	4.9	8.2	11.2	270	9.200
220.0	67.0	2201.3	0670.9	4.9	8.1	11.2	275	1.900
230.0	70.1	2191.3	0667.9	4.9	8.1	11.2	275	1.300

TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 27 JUN 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2439.5	0743.5	15.8	8.6	10.0	235	
1.5	0.4	2438.1	0743.1	14.9	8.6	10.0	230	7.900
3.0	0.9	2436.6	0742.6	14.5	8.6	10.1	230	9.200
5.0	1.5	2434.6	0742.0	14.4	8.6	10.1	230	9.800
10.0	3.0	2429.6	0740.5	14.0	8.6	10.1	225	9.800
15.0	4.5	2424.6	0739.0	13.8	8.5	10.1	220	9.800
20.0	6.0	2419.6	0737.5	13.4	8.5	10.1	220	9.800
25.0	7.6	2414.6	0735.9	12.5	8.5	10.1	210	6.800
30.0	9.1	2409.6	0734.4	11.4	8.4	10.2	205	2.600
35.0	10.6	2404.6	0732.9	11.3	8.4	10.3	205	2.300
40.0	12.1	2399.6	0731.4	10.9	8.4	10.3	200	1.700
50.0	15.2	2389.6	0728.3	10.3	8.4	10.5	200	1.100
60.0	18.2	2379.6	0725.3	10.0	8.4	10.5	200	0.620
70.0	21.3	2369.6	0722.2	9.8	8.3	10.6	210	0.390
80.0	24.3	2359.6	0719.2	9.7	8.3	10.7	210	0.390
90.0	27.4	2349.6	0716.1	9.3	8.3	10.7	210	0.620
100.0	30.4	2339.6	0713.1	9.0	8.3	10.8	220	0.390
110.0	33.5	2329.6	0710.0	8.3	8.2	11.0	230	6.800
120.0	36.5	2319.6	0707.0	7.8	8.2	11.1	245	16.000
130.0	39.6	2309.6	0703.9	7.2	8.2	11.3	255	15.000
140.0	42.6	2299.6	0700.9	6.6	8.2	11.4	265	20.000
150.0	45.7	2289.6	0697.8	6.2	8.2	11.4	265	21.000
160.0	48.7	2279.6	0694.8	5.2	8.1	11.5	270	21.000
175.0	53.3	2264.6	0690.2	5.0	8.1	11.5	270	15.000
190.0	57.9	2249.6	0685.6	5.0	8.1	11.4	270	11.000
205.0	62.4	2234.6	0681.1	5.0	8.1	11.4	270	11.000
220.0	67.0	2219.6	0676.5	5.0	8.1	11.3	270	13.000
235.0	71.6	2204.6	0671.9	5.0	8.1	11.3	270	3.100
245.0	74.6	2194.6	0668.9	5.0	8.1	11.3	270	1.700

WATER QUALITY SAMPLING DATE: 11 JUL 78

0.1	0.0	2451.3	0747.1	17.2	8.5	9.2	225	
1.5	0.4	2449.9	0746.7	17.2	8.5	9.2	225	27.000
3.0	0.9	2448.4	0746.2	17.1	8.5	9.1	225	27.000
5.0	1.5	2446.4	0745.6	17.0	8.5	9.1	225	27.000
10.0	3.0	2441.4	0744.1	16.0	8.5	9.1	225	25.000
15.0	4.5	2436.4	0742.6	14.0	8.4	9.2	215	25.000
20.0	6.0	2431.4	0741.1	13.4	8.4	9.3	200	21.000
25.0	7.6	2426.4	0739.5	13.3	8.3	9.4	200	17.000
30.0	9.1	2421.4	0738.0	13.2	8.3	9.4	200	15.000
35.0	10.6	2416.4	0736.5	12.8	8.3	9.5	200	9.200
40.0	12.1	2411.4	0735.0	12.6	8.3	9.5	200	7.300
45.0	13.7	2406.4	0733.4	12.2	8.3	9.6	200	7.300
50.0	15.2	2401.4	0731.9	11.8	8.3	9.7	200	5.800
60.0	18.2	2391.4	0728.9	11.2	8.2	9.8	205	6.800
70.0	21.3	2381.4	0725.8	11.0	8.2	9.9	205	7.900
80.0	24.3	2371.4	0722.8	10.4	8.2	10.0	200	7.900
90.0	27.4	2361.4	0719.7	10.1	8.2	10.1	200	5.800
100.0	30.4	2351.4	0716.7	9.8	8.2	10.2	210	4.100
110.0	33.5	2341.4	0713.6	9.2	8.2	10.3	220	3.400
120.0	36.5	2331.4	0710.6	7.8	8.2	10.3	235	11.000
130.0	39.6	2321.4	0707.5	7.9	8.1	10.5	245	16.000
145.0	44.1	2306.4	0703.0	7.3	8.1	10.6	250	20.000
160.0	48.7	2291.4	0698.4	6.8	8.1	10.7	255	23.000
175.0	53.3	2276.4	0693.8	6.0	8.0	10.8	265	24.000
190.0	57.9	2261.4	0689.2	5.3	8.0	10.8	270	23.000
205.0	62.4	2246.4	0684.7	5.1	8.0	10.8	270	18.000
220.0	67.0	2231.4	0680.1	5.0	8.0	10.8	270	11.000
235.0	71.6	2216.4	0675.5	5.0	8.0	10.8	270	7.300
250.0	76.2	2201.4	0670.9	5.0	8.0	10.7	270	8.300
260.0	79.2	2191.4	0667.9	5.2	8.0	10.6	270	4.500

TABLE 14. STATION NO. 12301B30, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 24 JUL 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2457.2	0748.9	18.0	8.6	9.5	215	
1.5	0.4	2455.8	0748.5	18.0	8.6	9.5	215	23.000
3.0	0.9	2454.3	0748.0	18.0	8.6	9.5	215	23.000
5.0	1.5	2452.3	0747.4	17.8	8.6	9.5	215	21.000
10.0	3.0	2447.3	0745.9	17.8	8.6	9.5	210	21.000
15.0	4.5	2442.3	0744.4	16.5	8.5	9.5	210	21.000
20.0	6.0	2437.3	0742.8	16.2	8.5	9.5	210	19.000
25.0	7.6	2432.3	0741.3	16.0	8.4	9.5	205	18.000
30.0	9.1	2427.3	0739.8	15.7	8.4	9.5	205	16.000
35.0	10.6	2422.3	0738.3	15.3	8.4	9.5	205	15.000
40.0	12.1	2417.3	0736.7	14.3	8.3	9.5	200	13.000
45.0	13.7	2412.3	0735.2	13.2	8.3	9.6	200	9.800
50.0	15.2	2407.3	0733.7	12.6	8.3	9.6	195	7.900
60.0	18.2	2397.3	0730.6	12.0	8.3	9.9	195	5.300
75.0	22.8	2382.3	0726.1	11.4	8.2	10.0	205	7.900
90.0	27.4	2367.3	0721.5	10.6	8.2	10.2	205	11.000
105.0	32.0	2352.3	0716.9	9.9	8.2	10.4	210	8.500
120.0	36.5	2337.3	0712.4	9.0	8.2	10.6	235	9.800
135.0	41.1	2322.3	0707.8	8.1	8.1	10.7	245	18.000
150.0	45.7	2307.3	0703.2	7.6	8.1	10.9	250	21.000
165.0	50.2	2292.3	0698.6	7.0	8.1	10.9	255	23.000
180.0	54.8	2277.3	0694.1	6.3	8.0	11.0	265	24.000
195.0	59.4	2262.3	0689.5	5.9	8.0	11.1	265	24.000
210.0	64.0	2247.3	0684.9	5.4	8.0	11.1	270	23.000
225.0	68.5	2232.3	0680.4	5.1	8.0	11.0	270	17.000
240.0	73.1	2217.3	0675.8	5.1	8.0	11.0	270	15.000
253.0	77.1	2204.3	0671.8	5.1	8.0	11.0	270	12.000
263.0	80.1	2194.3	0668.8	5.3	8.0	11.4	270	9.200

WATER QUALITY SAMPLING DATE: 08 AUG 78

0.1	0.0	2458.4	0749.3	22.3	8.7	9.0	205	
1.5	0.4	2457.0	0748.8	21.9	8.7	9.0	210	33.000
3.0	0.9	2455.5	0748.4	21.4	8.7	9.0	210	32.000
5.0	1.5	2453.5	0747.8	21.3	8.7	9.0	210	27.000
10.0	3.0	2448.5	0746.3	20.9	8.7	9.0	210	24.000
15.0	4.5	2443.5	0744.7	20.3	8.6	9.0	210	24.000
20.0	6.0	2438.5	0743.2	18.6	8.6	9.0	215	24.000
25.0	7.6	2433.5	0741.7	17.0	8.5	9.0	205	27.000
30.0	9.1	2428.5	0740.2	15.7	8.3	9.0	205	33.000
35.0	10.6	2423.5	0738.6	14.8	8.3	9.0	205	37.000
40.0	12.1	2418.5	0737.1	14.2	8.2	9.0	200	37.000
45.0	13.7	2413.5	0735.6	13.8	8.2	9.1	200	33.000
50.0	15.2	2408.5	0734.1	13.1	8.2	9.2	200	30.000
55.0	16.7	2403.5	0732.5	13.0	8.2	9.2	200	30.000
65.0	19.7	2393.5	0729.5	12.4	8.2	9.4	195	30.000
75.0	22.8	2383.5	0726.4	11.8	8.2	9.6	195	19.000
85.0	25.9	2373.5	0723.4	11.1	8.2	9.7	205	17.000
95.0	29.0	2363.5	0720.3	10.3	8.2	9.8	205	17.000
105.0	32.0	2353.5	0717.3	10.0	8.2	9.8	210	15.000
115.0	35.0	2343.5	0714.2	9.7	8.2	9.9	210	13.000
125.0	38.1	2333.5	0711.2	9.2	8.1	9.9	220	13.000
135.0	41.1	2323.5	0708.2	8.8	8.1	10.0	220	13.000
145.0	44.1	2313.5	0705.1	8.6	8.1	10.0	230	14.000
155.0	47.2	2303.5	0702.1	7.8	8.1	10.2	235	16.000
165.0	50.2	2293.5	0699.0	7.2	8.0	10.3	245	20.000
175.0	53.3	2283.5	0696.0	6.4	8.0	10.4	255	25.000
185.0	56.3	2273.5	0692.9	5.6	8.0	10.4	270	21.000
200.0	60.9	2258.5	0688.3	5.2	8.0	10.4	270	20.000
215.0	65.5	2243.5	0683.8	5.0	8.0	10.4	270	16.000
230.0	70.1	2228.5	0679.2	5.0	8.0	10.4	270	14.000
245.0	74.6	2213.5	0674.6	5.0	8.0	10.4	270	12.000
258.0	78.6	2200.5	0670.7	5.1	8.0	10.4	270	8.500
268.0	81.6	2190.5	0667.6	5.2	8.0	10.5	270	6.300



TABLE 14. STATION NO. 12301830, LAKE KOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 29 AUG 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2458.6	0749.3	17.9	8.6	9.2	215	
1.5	0.4	2457.2	0748.9	17.9	8.6	9.2	215	41.000
3.0	0.9	2455.7	0748.4	17.9	8.6	9.3	215	41.000
5.0	1.5	2453.7	0747.8	17.9	8.6	9.3	215	41.000
10.0	3.0	2448.7	0746.3	17.7	8.6	9.3	215	41.000
15.0	4.5	2443.7	0744.8	17.3	8.6	9.3	216	39.000
20.0	6.0	2438.7	0743.3	17.2	8.6	9.3	215	39.000
25.0	7.6	2433.7	0741.7	17.2	8.6	9.2	215	37.000
30.0	9.1	2428.7	0740.2	17.0	8.6	9.2	215	37.000
35.0	10.6	2423.7	0738.7	17.0	8.6	9.2	215	37.000
40.0	12.1	2418.7	0737.2	16.5	9.3	9.0	215	35.000
45.0	13.7	2413.7	0735.6	15.6	8.2	8.9	215	41.000
50.0	15.2	2408.7	0734.1	15.1	8.0	8.8	210	41.000
55.0	16.7	2403.7	0732.6	14.6	8.0	8.8	210	41.000
60.0	18.2	2398.7	0731.1	14.0	8.0	8.6	200	43.000
70.0	21.3	2388.7	0728.0	13.2	8.0	8.5	200	43.000
80.0	24.3	2378.7	0725.0	12.2	8.1	8.6	195	43.000
90.0	27.4	2368.7	0721.9	11.2	8.1	8.7	200	43.000
100.0	30.4	2358.7	0718.9	10.4	8.1	8.8	200	33.000
110.0	33.5	2348.7	0715.8	9.9	8.1	9.0	210	28.000
120.0	36.5	2338.7	0712.8	9.5	8.1	9.0	210	24.000
130.0	39.6	2328.7	0709.7	8.9	8.1	9.2	225	20.000
140.0	42.6	2318.7	0706.7	8.3	8.1	8.3	230	23.000
150.0	45.7	2308.7	0703.6	8.0	8.0	9.5	235	25.000
160.0	48.7	2298.7	0700.6	7.4	8.0	9.6	245	27.000
170.0	51.8	2288.7	0697.5	6.8	8.0	9.9	245	27.000
185.0	56.3	2273.7	0693.0	5.9	8.0	10.4	265	32.000
200.0	60.9	2258.7	0688.4	5.4	8.0	10.8	270	25.000
215.0	65.5	2243.7	0683.8	5.2	8.0	10.8	270	28.000
230.0	70.1	2228.7	0679.3	5.2	8.0	10.9	270	21.000
245.0	74.6	2213.7	0674.7	5.2	8.0	11.0	270	20.000
258.0	78.6	2200.7	0670.7	5.2	8.0	11.0	270	16.000
268.0	81.6	2190.7	0667.7	5.2	8.0	11.2	270	14.000

WATER QUALITY SAMPLING DATE: 12 SEP 78

0.1	0.0	2457.6	0749.0	17.2	8.4	9.0	265	
1.5	0.4	2456.2	0748.6	17.2	8.4	9.0	265	48.000
3.0	0.9	2454.7	0748.1	17.2	8.4	9.0	265	48.000
5.0	1.5	2452.7	0747.5	17.2	8.4	9.0	265	48.000
10.0	3.0	2447.7	0746.0	17.2	8.4	9.0	265	45.000
15.0	4.5	2442.7	0744.5	17.2	8.4	8.9	265	45.000
20.0	6.0	2437.7	0743.0	17.2	8.4	8.8	265	45.000
25.0	7.6	2432.7	0741.4	17.1	8.4	8.7	265	45.000
30.0	9.1	2427.7	0739.9	17.0	8.4	8.6	265	45.000
35.0	10.6	2422.7	0738.4	16.5	8.3	8.4	215	45.000
40.0	12.1	2417.7	0736.9	15.2	7.9	8.2	220	45.000
45.0	13.7	2412.7	0735.3	14.7	7.8	8.0	215	45.000
50.0	15.2	2407.7	0733.8	14.1	7.8	8.6	220	45.000
55.0	16.7	2402.7	0732.3	13.7	7.8	8.8	210	46.000
60.0	18.2	2397.7	0730.8	13.2	7.8	9.0	200	50.000
70.0	21.3	2387.7	0727.7	12.8	7.9	9.0	190	52.000
80.0	24.3	2377.7	0724.7	12.0	7.9	9.2	190	50.000
90.0	27.4	2367.7	0721.6	11.0	7.9	9.2	190	48.000
105.0	32.0	2352.7	0717.1	10.0	7.9	9.6	200	37.000
120.0	36.5	2337.7	0712.5	9.3	7.8	9.9	210	28.000
135.0	41.1	2322.7	0707.9	8.3	7.8	10.1	220	28.000
150.0	45.7	2307.7	0703.3	7.7	7.8	10.1	230	27.000
165.0	50.2	2292.7	0698.8	6.8	7.8	10.2	245	28.000
180.0	54.8	2277.7	0694.2	5.9	7.8	10.3	260	30.000
195.0	59.4	2262.7	0690.6	5.3	7.8	10.3	260	30.000
210.0	64.0	2247.7	0685.0	5.2	7.8	10.3	265	27.000
225.0	68.5	2232.7	0680.5	5.2	7.8	10.3	265	27.000
240.0	73.1	2217.7	0675.9	5.2	7.8	10.3	265	24.000
235.0	71.6	2222.7	0677.4	5.2	7.8	10.3	265	21.000
265.0	80.7	2192.7	0668.3	5.3	7.8	10.3	260	21.000

TABLE 10. STATION NO. 12301830, LAKE KOCAPUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 26 SEP 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2456.3	0748.6	14.6	8.5	9.1	205	
1.5	0.4	2454.9	0748.2	14.5	8.5	9.1	205	48.000
3.0	0.9	2453.4	0747.7	14.4	8.4	9.1	205	48.000
5.0	1.5	2451.4	0747.1	14.3	8.4	9.1	205	45.000
10.0	3.0	2446.4	0745.6	14.2	8.4	9.1	205	45.000
15.0	4.5	2441.4	0744.1	14.2	8.4	9.1	205	45.000
20.0	6.0	2436.4	0742.6	14.2	8.3	9.1	205	45.000
25.0	7.6	2431.4	0741.0	14.2	8.2	9.0	205	45.000
30.0	9.1	2426.4	0739.5	14.1	8.2	9.0	205	45.000
35.0	10.6	2421.4	0738.0	14.1	8.2	8.9	205	45.000
40.0	12.1	2416.4	0736.5	14.1	8.2	8.9	205	45.000
45.0	13.7	2411.4	0734.9	14.0	8.1	8.9	205	45.000
50.0	15.2	2406.4	0733.4	13.8	8.0	8.9	205	45.000
55.0	16.7	2401.4	0731.9	13.3	7.9	8.8	210	43.000
60.0	18.2	2396.4	0730.4	12.8	7.9	8.8	205	43.000
70.0	21.3	2386.4	0727.3	12.0	7.8	8.8	200	43.000
80.0	24.3	2376.4	0724.3	11.3	7.8	8.9	190	43.000
90.0	27.4	2366.4	0721.2	10.9	7.8	9.2	190	43.000
105.0	32.0	2351.4	0716.7	10.2	7.8	9.4	195	39.000
120.0	36.5	2336.4	0712.1	9.5	7.8	9.5	205	35.000
135.0	41.1	2321.4	0707.5	8.5	7.8	9.6	215	28.000
150.0	45.7	2306.4	0702.9	7.9	7.8	9.7	225	18.000
165.0	50.2	2291.4	0698.4	7.3	7.8	9.7	230	21.000
180.0	54.8	2276.4	0693.8	6.3	7.7	9.8	250	28.000
195.0	59.4	2261.4	0689.2	5.8	7.7	9.8	255	30.000
210.0	64.0	2246.4	0684.7	5.2	7.7	9.8	265	30.000
225.0	68.5	2231.4	0680.1	5.2	7.7	9.8	265	27.000
240.0	73.1	2216.4	0675.5	5.2	7.8	9.7	265	23.000
255.0	77.7	2201.4	0670.9	5.2	7.8	9.7	260	23.000
265.0	80.7	2191.4	0667.9	5.3	7.8	9.7	260	23.000

WATER QUALITY SAMPLING DATE: 10 OCT 78

0.1	0.0	2452.7	0747.5	14.0	8.4	9.3	195	
1.5	0.4	2451.3	0747.1	14.0	8.4	9.3	195	52.000
3.0	0.9	2449.9	0746.6	14.0	8.4	9.3	195	52.000
5.0	1.5	2447.5	0746.0	14.0	8.4	9.2	195	50.000
10.0	3.0	2442.5	0744.5	14.0	8.4	9.2	195	50.000
15.0	4.5	2437.5	0743.0	14.0	8.4	9.2	195	50.000
20.0	6.0	2432.5	0741.5	14.0	8.4	9.2	195	50.000
25.0	7.6	2427.5	0739.9	14.0	8.4	9.2	195	50.000
30.0	9.1	2422.5	0738.4	14.0	8.4	9.2	195	50.000
35.0	10.6	2417.5	0736.9	14.0	8.3	9.2	200	50.000
40.0	12.1	2412.5	0735.4	13.9	8.3	9.1	200	50.000
45.0	13.7	2407.5	0733.8	13.8	8.3	9.1	200	50.000
50.0	15.2	2402.5	0732.3	13.8	8.3	9.1	200	50.000
55.0	16.7	2397.5	0730.8	13.6	8.2	9.1	195	50.000
60.0	18.2	2392.5	0729.3	13.5	8.2	9.1	190	50.000
70.0	21.3	2382.5	0726.2	12.5	8.1	9.1	190	43.000
85.0	25.9	2367.5	0721.7	11.5	8.1	8.9	190	45.000
100.0	30.4	2352.5	0717.1	10.7	8.0	8.8	195	43.000
115.0	35.0	2337.5	0712.5	9.8	8.0	8.7	200	28.000
130.0	39.6	2322.5	0707.9	9.0	8.0	8.7	205	21.000
145.0	44.1	2307.5	0703.3	8.2	8.0	8.6	215	11.000
160.0	48.7	2292.5	0698.8	7.8	8.0	8.5	225	17.000
175.0	53.3	2277.5	0694.2	7.2	7.9	8.5	235	15.000
190.0	57.9	2262.5	0689.7	6.3	7.9	8.4	240	19.000
205.0	62.4	2247.5	0685.1	5.8	7.9	8.3	240	19.000
220.0	67.0	2232.5	0680.5	5.3	7.9	8.3	255	25.000
235.0	71.6	2217.5	0675.9	5.3	7.9	8.3	255	24.000
251.0	76.4	2201.5	0671.1	5.3	7.9	8.2	260	18.000
261.0	79.5	2191.5	0668.0	5.3	7.9	8.2	270	18.000

TABLE 14. STATION NO. 12301830, LAKE KOOCANUSA AT TENMILE CREEK

WATER QUALITY SAMPLING DATE: 23 OCT 78

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2450.4	0746.8	12.0		9.4	200	
1.5	0.4	2449.0	0746.4	12.0	8.4	9.4	200	43.000
3.0	0.9	2447.5	0745.9	12.0	8.4	9.4	200	43.000
5.0	1.5	2445.5	0745.3	12.0	8.4	9.4	200	43.000
10.0	3.0	2440.5	0743.8	12.0	8.4	9.4	200	43.000
15.0	4.5	2435.5	0742.3	12.0	8.4	9.3	200	43.000
20.0	6.0	2430.5	0740.8	12.0	8.4	9.3	200	43.000
25.0	7.6	2425.5	0739.2	12.0	8.4	9.3	200	43.000
30.0	9.1	2420.5	0737.7	12.0	8.4	9.3	200	43.000
35.0	10.6	2415.5	0736.2	12.0	8.4	9.2	200	43.000
40.0	12.1	2410.5	0734.7	11.9	8.4	9.2	200	43.000
45.0	13.7	2405.5	0733.1	11.9	8.4	9.2	200	43.000
50.0	15.2	2400.5	0731.6	11.9	8.3	9.2	200	43.000
55.0	16.7	2395.5	0730.1	11.9	8.3	9.1	200	43.000
60.0	18.2	2390.5	0728.6	11.9	8.2	9.1	195	43.000
65.0	19.8	2385.5	0727.1	11.6	8.2	9.0	190	43.000
75.0	22.8	2375.5	0724.0	10.8	8.1	9.0	195	43.000
85.0	25.9	2365.5	0721.0	10.3	8.0	9.0	185	37.000
95.0	28.0	2355.5	0717.9	9.9	8.0	8.9	190	32.000
105.0	32.0	2345.5	0714.9	9.7	8.0	8.9	195	29.000
115.0	35.0	2335.5	0711.8	9.0	7.9	8.8	200	23.000
125.0	38.1	2325.5	0708.8	8.7	7.9	8.7	205	16.000
135.0	41.1	2315.5	0705.7	8.5	7.9	8.7	205	13.000
145.0	44.1	2305.5	0702.7	8.0	7.9	8.6	219	13.000
155.0	47.2	2295.5	0699.6	7.2	7.9	8.5	220	9.800
170.0	51.8	2280.5	0695.0	6.9	7.9	8.5	225	12.000
185.0	56.3	2265.5	0690.5	6.2	7.9	8.4	235	13.000
200.0	60.9	2250.5	0685.9	5.7	7.9	8.3	245	13.000
215.0	65.5	2235.5	0681.3	5.2	7.9	8.3	250	16.000
230.0	70.1	2220.5	0676.8	5.2	7.9	8.2	250	13.000
245.0	74.6	2205.5	0672.2	5.2	7.9	8.2	250	9.800
255.0	77.7	2195.5	0669.1	5.2	7.9	8.2	250	9.800

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 28 JUN 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	0.5	2380.9	0725.7	12.1		9.9		
3.2	1.0	2379.3	0725.2	12.2		10.1		
6.5	2.0	2376.0	0724.2	12.2		10.1		
9.8	3.0	2372.7	0723.2	12.1	7.7	10.1	190	
13.1	4.0	2369.4	0722.2	12.0		10.0		
19.6	6.0	2362.9	0720.2	12.0		10.1		
26.2	8.0	2356.3	0718.2	12.0		10.2		
32.8	10.0	2349.8	0716.2	11.9		10.2		
39.3	12.0	2343.2	0714.2	11.6		10.2		
45.9	14.0	2336.6	0712.2	11.5		10.2		
52.4	16.0	2330.1	0710.2	11.2		10.2		
59.0	18.0	2323.5	0708.2	11.0		10.3		
65.6	20.0	2317.0	0706.2	10.9		10.3		
72.1	22.0	2310.4	0704.2	10.5		10.2		
78.7	24.0	2303.8	0702.2	10.0		10.2		
85.2	26.0	2297.3	0700.2	9.9		10.2		
91.8	28.0	2290.7	0698.2	9.8		10.1		
98.4	30.0	2284.2	0696.2	9.8		10.1		
104.9	32.0	2277.6	0694.2	9.8		10.0		
111.5	34.0	2271.0	0692.2	9.8		10.0		
118.0	36.0	2264.5	0690.2	9.8		10.0		
124.6	38.0	2257.9	0688.2	9.8		10.1		
131.2	40.0	2251.4	0686.2	9.8	7.3	10.1	195	

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 06 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	0.5	2386.2	0727.3	19.5		9.6		
3.2	1.0	2384.6	0726.8	19.5		9.6		
6.5	2.0	2381.3	0725.8	19.0		9.9		
9.8	3.0	2378.0	0724.8	13.3		9.0	190	
13.1	4.0	2374.7	0723.8	12.8		8.1		
16.4	5.0	2371.5	0722.8	12.5		8.2		
19.6	6.0	2368.2	0721.8	12.2		8.3		
22.9	7.0	2364.9	0720.8	12.0		8.6		
26.2	8.0	2361.6	0719.8	12.0		8.3		
29.5	9.0	2358.3	0718.8	12.0		8.4		
32.8	10.0	2355.1	0717.8	11.7		8.6		
45.9	14.0	2341.9	0713.8	11.2		8.9		
59.0	18.0	2328.8	0709.8	10.5		8.9		
72.1	22.0	2315.7	0705.8	9.4		9.2		
85.2	26.0	2302.6	0701.8	9.2		9.2		
98.4	30.0	2289.5	0697.8	9.2		9.1		
111.5	34.0	2276.3	0693.8	9.2		8.9		
118.0	36.0	2269.8	0691.8	9.2		8.7		
124.6	38.0	2263.2	0689.8	9.2		8.7		
131.2	40.0	2256.7	0687.8	9.2		8.6		

TABLE 15. STATION NO. 12311611, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 13 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2399.7	1731.4	15.7		11.5	185	
1.6	1.5	2398.1	1731.9	15.5		11.5	185	
3.2	1.1	2396.4	1731.4	15.5		11.6	185	
6.5	2.1	2393.1	1729.4	15.5		11.6	185	
9.8	3.1	2389.8	1728.4	15.5	8.7	11.6	185	
13.1	4.1	2386.5	1727.4	15.5		11.6	185	
16.4	5.1	2383.3	1726.4	15.1		11.6	185	
19.6	6.1	2381.1	1725.4	14.5		11.6	185	
26.2	8.1	2373.4	1723.4	14.5		11.6	185	
32.8	11.1	2366.9	1721.4	13.5		11.2	185	
45.9	14.1	2353.7	1717.4	12.8		11.1	185	
59.1	18.1	2341.6	1713.4	12.8		11.1	185	
72.1	22.1	2327.5	1719.4	12.5		11.1	185	
85.2	26.1	2314.4	1715.4	12.5		11.1	185	
91.8	28.1	2317.8	1713.4	11.5		11.2	191	
98.4	31.1	2311.3	1711.4	11.5		11.2	191	
111.5	34.1	2288.1	1697.4	11.5		11.2	185	
124.6	38.1	2275.1	1693.4	11.1		9.7	181	
137.7	42.1	2261.9	1689.4	9.8		9.7	181	
151.8	46.1	2248.8	1685.4	9.6		9.5	181	
164.1	51.1	2235.7	1681.4	9.8		9.5	181	

TABLE 15. STATION NO. 12311611, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 19 JUL 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHUS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2414.1	1732.7	15.8		9.9	191	
1.6	1.5	2412.4	1732.2	15.8		9.8	191	
3.2	1.1	2411.8	1731.7	15.8		9.7	191	
6.5	2.1	2397.5	1731.7	15.8		9.7	191	
9.8	3.1	2394.2	1729.7	15.8		9.8	191	
16.4	5.1	2387.7	1727.7	15.7		9.8	191	
22.9	7.1	2381.1	1725.7	15.7		9.8	191	
29.5	9.1	2374.5	1723.7	15.6		9.8	191	
36.1	11.1	2368.1	1721.7	15.6		9.8	191	
42.6	13.1	2361.4	1719.7	15.2		9.9	185	
49.2	15.1	2354.9	1717.7	14.5		9.8	185	
52.4	16.1	2351.6	1716.7	13.2		9.8	185	
62.3	19.1	2341.7	1713.7	12.4		9.9	185	
72.1	22.1	2331.9	1711.7	11.7		9.9	185	
82.1	25.1	2322.1	1717.7	11.3		9.8	185	
91.8	28.1	2312.2	1714.7	11.7		9.6	185	
111.6	31.1	2312.4	1711.7	11.1		9.3	185	
111.5	34.1	2292.5	1698.7	9.7		9.1	181	
121.3	37.1	2282.7	1695.7	9.7		9.2	181	
131.2	41.1	2272.9	1692.7	9.7		9.3	181	
141.1	43.1	2263.1	1689.7	9.7		9.2	181	
151.8	46.1	2253.2	1686.7	9.7		9.2	181	
161.7	49.1	2243.3	1683.7	9.7		9.1	181	
167.2	51.1	2236.8	1681.7	9.8		9.1	181	

WATER QUALITY SAMPLING DATE: 26 JUL 72

1.1	1.1	2414.2	1732.8	15.7		9.4	188	
1.6	1.5	2412.5	1732.3	15.4		9.4	186	
3.2	1.1	2411.9	1731.8	15.4		9.5	186	
6.5	2.1	2397.6	1731.8	15.1		9.5	186	
9.8	3.1	2394.3	1729.8	15.1	8.1	9.5	186	
13.1	4.1	2391.1	1728.8	15.1		9.5	186	
19.6	6.1	2384.5	1726.8	14.5		9.4	186	
26.2	8.1	2377.9	1724.8	14.1		9.2	185	
32.8	11.1	2371.4	1722.8	13.8		9.1	185	
39.3	12.1	2364.8	1721.8	13.4		9.1	186	
49.2	15.1	2355.1	1717.8	13.1		9.1	183	
59.1	18.1	2345.1	1714.8	12.9		9.2	183	
68.8	21.1	2335.3	1711.8	12.1		9.2	181	
78.7	24.1	2325.4	1718.8	11.4		9.2	181	
88.5	27.1	2315.6	1715.8	11.2		9.2	183	
98.4	31.1	2315.8	1712.8	11.2		9.2	183	
118.2	33.1	2295.9	1699.8	11.1		8.4	187	
118.1	36.1	2286.1	1696.8	11.8		8.4	187	
127.9	39.1	2276.2	1693.8	11.4		8.1	187	
137.7	42.1	2266.4	1691.8	11.4		7.6	187	
147.6	45.1	2256.6	1687.8	11.4		7.6	187	

WATER QUALITY SAMPLING DATE: 12 AUG 72

1.1	1.1	2411.8	1732.1	17.2		9.3	188	
1.6	1.5	2411.1	1731.5	17.2		9.4	188	
3.2	1.1	2398.5	1731.1	17.2		9.4	188	
6.5	2.1	2395.2	1731.1	17.2		9.4	188	
9.8	3.1	2391.9	1729.1	17.1	7.7	9.4	188	
13.1	4.1	2388.6	1728.1	17.1		9.4	186	
16.4	5.1	2385.4	1727.1	16.8		9.4	187	
19.6	6.1	2382.1	1726.1	16.1		9.2	187	
26.2	8.1	2375.5	1724.1	15.9		9.2	187	
36.1	11.1	2365.7	1721.1	15.5		9.2	188	
45.9	14.1	2355.8	1718.1	15.1		9.4	194	
55.7	17.1	2346.1	1715.1	14.6		9.3	195	
65.6	21.1	2336.2	1712.1	13.6		9.3	198	
75.4	23.1	2326.3	1719.1	13.2		9.4	211	
82.1	25.1	2319.8	1717.1	13.1		9.4	197	
88.5	27.1	2313.2	1715.1	12.1		9.4	197	
95.1	29.1	2316.6	1713.1	11.5		9.1	191	
111.6	31.1	2311.1	1711.1	11.9		8.8	188	
111.5	34.1	2291.2	1698.1	11.8		8.7	187	
121.3	37.1	2281.4	1695.1	11.5		8.4	186	
131.2	41.1	2271.6	1692.1	11.5		8.4	186	
141.1	43.1	2261.7	1689.1	11.5		8.3	186	
151.8	46.1	2251.9	1686.1	11.5		8.1	186	
161.7	49.1	2241.1	1683.1	11.8		8.1	185	

TABLE 15. STATION NO. 12311611, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 19 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2411.1	1731.5	19.1		8.8	191	
1.6	1.5	2398.3	1731.1	19.1		8.8	191	
3.2	1.1	2396.7	1731.5	19.1		8.9	191	
6.5	2.1	2393.4	1729.5	19.1		9.1	191	
9.8	3.1	2391.1	1728.5	19.1	8.1	9.1	191	
13.1	4.1	2386.8	1727.5	19.1		9.1	189	
16.4	5.1	2383.6	1726.5	18.9		9.1	189	
19.6	6.1	2381.3	1725.5	18.8		9.1	188	
22.9	7.1	2377.1	1724.5	18.3		9.1	191	
26.2	8.1	2373.7	1723.5	17.1		8.9	192	
36.1	11.1	2363.9	1721.5	16.1		8.8	214	
45.9	14.1	2354.1	1717.5	15.2		8.6	213	
55.7	17.1	2344.2	1714.5	14.9		8.8	213	
65.6	21.1	2334.4	1711.5	14.1		8.7	212	
75.4	23.1	2324.5	1718.5	13.3		8.6	199	
85.2	26.1	2314.7	1715.5	12.4		8.8	196	
95.1	29.1	2314.8	1712.5	12.1		8.6	194	
114.9	32.1	2295.1	1699.5	11.5		8.6	193	
114.8	35.1	2285.2	1696.5	11.1		8.2	191	
124.6	38.1	2275.3	1693.5	11.8		7.9	192	
134.4	41.1	2265.5	1691.5	11.7		7.6	192	
144.3	44.1	2255.6	1687.5	11.6		7.6	192	
154.1	47.1	2245.8	1684.5	11.6		7.3	192	
164.1	51.1	2236.1	1681.5	11.6		7.1	193	

WATER QUALITY SAMPLING DATE: 16 AUG 72

1.1	1.1	2411.2	1731.5	19.1		8.6	211	
1.6	1.5	2398.5	1731.1	19.1		8.6	211	
3.2	1.1	2396.9	1731.5	19.1		8.6	211	
6.5	2.1	2393.6	1729.5	19.1		8.6	211	
9.8	3.1	2391.3	1728.5	19.1	7.3	8.6	211	
13.1	4.1	2387.1	1727.5	18.8		8.5	211	
16.4	5.1	2383.8	1726.5	18.2		8.4	211	
19.6	6.1	2381.5	1725.5	18.2		8.4	211	
26.2	8.1	2373.9	1723.5	17.7		8.1	215	
32.8	11.1	2367.4	1721.5	17.1		8.3	215	
39.3	12.1	2361.8	1719.5	16.5		8.2	211	
45.9	14.1	2354.2	1717.5	15.8		8.4	215	
52.4	16.1	2347.7	1715.5	15.2		8.5	211	
59.1	18.1	2341.1	1713.5	14.8		8.4	211	
65.6	21.1	2334.6	1711.5	14.2		8.4	211	
72.1	22.1	2328.1	1719.5	14.1		8.4	211	
78.7	24.1	2321.4	1717.5	13.1		8.2	191	
88.5	27.1	2311.6	1714.5	12.2		8.3	191	
98.4	31.1	2311.8	1711.5	12.1		8.2	195	
118.2	33.1	2291.9	1698.5	11.2		7.8	211	
118.1	36.1	2282.1	1695.5	11.1		7.7	211	
124.6	38.1	2275.5	1693.5	11.1		7.3	211	
127.9	39.1	2272.2	1692.5	11.1		6.9	211	
137.7	42.1	2262.4	1689.5	11.1		6.7	211	
147.6	45.1	2252.6	1686.5	11.1		6.2	211	
157.4	48.1	2242.7	1683.5	11.1		5.9	211	

WATER QUALITY SAMPLING DATE: 23 AUG 72

1.1	1.1	2411.7	1732.1	19.4		8.4	211	
1.6	1.5	2411.1	1731.5	19.4		8.5	211	
3.2	1.1	2398.4	1731.1	19.3		8.4	211	
6.5	2.1	2395.1	1731.1	19.2		8.4	211	
9.8	3.1	2391.8	1729.1	19.2	8.5	8.5	211	
13.1	4.1	2388.5	1728.1	19.2		8.5	211	
16.4	5.1	2385.3	1727.1	19.1		8.5	211	
19.6	6.1	2382.1	1726.1	18.8		8.4	215	
22.9	7.1	2378.7	1725.1	18.1		8.4	211	
29.5	9.1	2372.1	1723.1	17.2		8.1	215	
36.1	11.1	2365.6	1721.1	16.2		8.4	221	
42.6	13.1	2359.1	1719.1	16.1		8.2	221	
49.2	15.1	2352.5	1717.1	15.8		8.2	215	
55.7	17.1	2345.9	1715.1	15.5		8.1	211	
59.1	18.1	2342.6	1714.1	15.1		8.1	215	
68.8	21.1	2332.8	1711.1	14.6		8.2	211	
78.7	24.1	2322.9	1718.1	14.1		8.3	195	
88.5	27.1	2313.1	1715.1	13.5		8.4	195	
98.4	31.1	2313.3	1712.1	13.1		8.2	211	
118.2	33.1	2293.4	1699.1	12.8		8.2	211	
118.1	36.1	2283.6	1696.1	12.2		7.7	211	
124.6	38.1	2277.1	1694.1	11.9		7.2	211	
131.2	41.1	2271.5	1692.1	11.6		6.4	215	
134.4	41.1	2267.2	1691.1	11.2		5.6	215	
144.3	44.1	2257.3	1688.1	11.2		5.4	215	
154.1	47.1	2247.5	1685.1	11.1		4.8	215	
164.1	51.1	2237.7	1682.1	11.1		4.5	215	

TABLE 15. STATION NO. 12311611, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 31 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2414.1	1732.7	21.2		8.8	211	
1.6	1.5	2412.3	1732.2	21.2		8.8	211	
3.2	1.1	2411.7	1731.7	21.2		8.8	211	
6.5	2.1	2397.4	1731.7	21.2		8.8	211	
9.8	3.1	2394.1	1729.7	21.2	8.5	8.8	211	
13.1	4.1	2391.8	1728.7	21.1		8.8	211	
16.4	5.1	2387.6	1727.7	21.1		8.9	211	
19.6	6.1	2384.3	1726.7	19.8		8.7	211	
26.2	8.1	2377.7	1724.7	19.4		8.6	215	
32.8	11.1	2371.2	1722.7	18.8		8.1	215	
39.3	12.1	2364.6	1721.7	18.1		7.6	211	
45.9	14.1	2358.1	1718.7	17.4		7.4	225	
52.4	16.1	2351.5	1716.7	16.8		8.1	225	
59.1	18.1	2340.9	1714.7	16.1		8.3	231	
65.6	21.1	2338.4	1712.7	16.1		8.2	231	
72.1	22.1	2331.8	1711.7	15.8		8.2	225	
82.1	25.1	2322.1	1717.7	14.3		8.1	231	
91.8	28.1	2312.1	1714.7	14.1		8.1	231	
111.6	31.1	2312.3	1711.7	13.9		8.1	231	
111.5	34.1	2292.4	1698.7	13.1		7.6	231	
121.3	37.1	2282.6	1695.7	12.7		7.2	231	
131.2	41.1	2272.8	1692.7	12.1		6.2	225	
141.1	43.1	2262.9	1689.7	11.8		5.1	225	
151.8	46.1	2253.1	1686.7	11.4		4.3	231	
161.7	49.1	2243.2	1683.7	11.4		3.8	231	
171.5	52.1	2233.4	1681.7	11.5		3.6	231	

WATER QUALITY SAMPLING DATE: 16 SEP 72

1.1	1.1	2414.5	1732.8	18.1		8.5	211	
1.6	1.5	2412.8	1732.3	18.1		8.5	211	
3.2	1.1	2411.2	1731.8	18.1		8.5	211	
6.5	2.1	2397.9	1731.8	18.1		8.4	211	
9.8	3.1	2394.6	1729.8	18.1	8.7	8.6	211	
13.1	4.1	2391.3	1728.8	18.1		8.6	211	
16.4	5.1	2388.1	1727.8	18.1		8.6	211	
19.6	6.1	2384.8	1726.8	18.1		8.5	211	
26.2	8.1	2378.2	1724.8	18.1		8.5	211	
32.8	11.1	2371.7	1722.8	18.1		8.3	211	
42.6	13.1	2361.8	1719.8	17.2		8.4	215	
52.4	16.1	2352.1	1716.8	16.8		8.2	215	
62.3	19.1	2342.1	1713.8	16.1		8.1	225	
72.1	22.1	2332.3	1711.8	16.1		8.1	225	
82.1	25.1	2322.5	1717.8	15.1		8.1	215	
91.8	28.1	2312.6	1714.8	14.8		7.8	215	
111.6	31.1	2312.8	1711.8	14.2		7.4	211	
111.5	34.1	2292.9	1698.9	14.1		7.5	211	
121.3	37.1	2283.1	1695.9	13.8		7.1	211	
131.2	41.1	2273.3	1692.9	13.1		6.1	215	
144.3	44.1	2261.1	1688.9	12.8		5.4	215	
154.1	47.1	2251.3	1685.9	12.2		4.4	215	
164.1	51.1	2241.5	1682.9	12.2		4.2	215	

WATER QUALITY SAMPLING DATE: 12 SEP 72

1.1	1.1	2414.5	1732.8	17.4		8.5	215	
1.6	1.5	2412.8	1732.3	17.4		8.5	215	
3.2	1.1	2411.2	1731.8	17.4		8.5	215	
6.5	2.1	2397.9	1731.8	17.4		8.6	215	
9.8	3.1	2394.6	1729.8	17.4	8.4	8.6	215	
13.1	4.1	2391.3	1728.8	17.4		8.5	215	
16.4	5.1	2388.1	1727.8	17.3		8.5	215	
19.6	6.1	2384.8	1726.8	17.3		8.5	215	
22.9	7.1	2381.5	1725.8	17.3		8.6	215	
26.2	8.1	2378.2	1724.8	17.3		8.4	215	
32.8	11.1	2371.7	1722.8	17.3		8.5	215	
39.3	12.1	2365.1	1721.8	17.3		8.6	211	
45.9	14.1	2358.5	1718.8	17.2		8.6	211	
52.4	16.1	2352.1	1716.8	17.2		8.6	211	
59.1	18.1	2345.4	1714.8	17.1		8.6	211	
65.6	21.1	2338.9	1712.8	17.1		8.6	215	
72.1	22.1	2332.3	1711.8	17.1		8.6	215	
75.4	23.1	2329.1	1719.8	17.1		8.4	215	
78.7	24.1	2325.7	1718.8	15.7		7.4	221	
85.2	26.1	2319.2	1716.8	14.9		7.1	215	
91.8	28.1	2312.6	1714.8	14.3		7.1	211	
111.6	31.1	2312.8	1711.8	13.5		6.4	215	
111.5	34.1	2292.9	1698.9	12.9		5.8	215	
121.3	37.1	2283.1	1695.9	12.9		5.2	215	
131.2	41.1	2273.3	1692.9	12.6		5.1	215	

TABLE 15. STATION NO. 12311611, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 21 SEP 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2393.7	1729.5	16.1		8.8	215	
1.6	1.5	2392.1	1729.1	16.1		8.8	215	
3.2	1.1	2391.4	1728.6	16.1		8.7	215	
6.5	2.1	2387.1	1727.6	16.1		8.6	215	
9.8	3.1	2383.8	1726.6	16.1	8.3	8.6	215	
13.1	4.1	2381.5	1725.6	16.1		8.6	215	
19.6	6.1	2374.1	1723.6	16.1		8.6	215	
26.2	8.1	2367.4	1721.6	16.1		8.6	215	
32.8	11.1	2361.9	1719.6	16.1		8.6	215	
39.3	12.1	2354.3	1717.6	16.1		8.6	215	
45.9	14.1	2347.7	1715.6	16.1		8.6	215	
52.4	16.1	2341.2	1713.6	16.1		8.6	215	
59.1	18.1	2334.6	1711.6	16.1		8.6	215	
65.6	21.1	2328.1	1719.6	16.1		8.6	215	
72.1	22.1	2321.5	1717.6	16.1		8.6	215	
78.7	24.1	2314.9	1715.6	15.6		8.2	225	
85.2	26.1	2318.4	1713.6	15.1		7.8	235	
88.5	27.1	2315.1	1712.6	14.1		8.1	245	
91.8	28.1	2311.8	1711.6	13.6		8.1	245	
111.6	31.1	2292.1	1698.6	13.4		7.6	245	
111.5	34.1	2282.1	1695.6	13.2		7.3	245	
121.3	37.1	2272.3	1692.6	13.2		7.3	245	
131.2	41.1	2262.5	1689.6	13.2		7.6	245	

WATER QUALITY SAMPLING DATE: 27 SEP 72

1.1	1.1	2384.9	1726.9	15.1		8.4	221	
1.6	1.5	2383.2	1726.4	15.1		8.4	221	
3.2	1.1	2381.6	1725.9	15.1		8.4	221	
6.5	2.1	2378.3	1724.9	15.1		8.5	221	
9.8	3.1	2375.1	1723.9	15.1	8.1	8.4	221	
13.1	4.1	2371.7	1722.9	15.1		8.4	221	
19.6	6.1	2365.2	1721.9	15.1		8.4	221	
26.2	8.1	2358.6	1718.9	15.1		8.4	221	
32.8	11.1	2352.1	1716.9	15.1		8.4	221	
39.3	12.1	2345.5	1714.9	15.1		8.4	221	
45.9	14.1	2338.9	1712.9	15.1		8.4	221	
52.4	16.1	2332.4	1711.9	15.1		8.4	221	
59.1	18.1	2325.8	1718.9	15.1		8.4	221	
65.6	21.1	2319.3	1716.9	15.1		8.4	221	
72.1	22.1	2312.7	1714.9	14.9		8.4	221	
82.1	25.1	2312.9	1711.9	14.8		8.2	231	
91.8	28.1	2293.1	1698.9	14.2		7.5	241	
111.6	31.1	2283.2	1695.9	14.1		7.1	245	
111.5	34.1	2273.3	1692.9	14.1		6.8	245	
121.3	37.1	2263.5	1689.9	13.9		6.8	245	
131.2	41.1	2253.7	1686.9	13.7		6.4	245	
141.1	43.1	2243.8	1683.9	13.5		6.2	245	

WATER QUALITY SAMPLING DATE: 13 OCT 72

1.1	1.1	2375.1	1723.9	13.8		9.2	225	
1.6	1.5	2373.3	1723.4	13.8		9.2	225	
3.2	1.1	2371.7	1722.9	13.8		9.2	225	
6.5	2.1	2368.4	1721.9	13.8		9.2	225	
9.8	3.1	2365.1	1721.9	13.8	8.1	9.2	225	
13.1	4.1	2361.8	1719.9	13.8		9.3	225	
19.6	6.1	2355.3	1717.9	13.8		9.4	225	
26.2	8.1	2348.7	1715.9	13.8		9.2	221	
32.8	11.1	2342.2	1713.9	13.8		9.4	221	
39.3	12.1	2335.6	1711.9	13.8		9.2	221	
45.9	14.1	2329.1	1719.9	13.8		9.4	221	
52.4	16.1	2322.5	1717.9	13.8		9.4	221	
59.1	18.1	2315.9	1715.9	13.8		9.4	221	
65.6	21.1	2319.4	1713.9	13.2		8.9	231	
72.1	22.1	2312.8	1711.9	12.6		8.6	231	
78.7	24.1	2296.2	1699.9	11.2		8.6	235	
88.5	27.1	2286.4	1696.9	11.2		8.9	241	
98.4	31.1	2276.6	1693.9	9.4		9.2	245	
118.2	33.1	2266.7	1691.9	9.4		9.2	245	
118.1	36.1	2256.9	1687.9	9.4		9.4	245	



TABLE 15. STATION NO. 12311611, LAKE KODCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 18 OCT 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.1	1.1	2345.5	1714.9	11.2			225	
1.6	1.5	2343.8	1714.4	11.2			225	
3.2	1.1	2342.2	1713.9	11.2			225	
6.5	2.1	2338.9	1712.9	11.2			225	24.111
9.8	3.1	2335.6	1711.9	11.2	8.1	8.6	225	24.111
13.1	4.1	2332.3	1711.9	11.2			225	24.111
19.6	6.1	2325.8	1718.9	11.2			225	24.111
26.2	8.1	2319.2	1716.9	11.2			225	24.111
32.8	11.1	2312.7	1714.9	11.1			225	24.111
39.3	12.1	2316.1	1712.9	11.7			231	24.111
45.9	14.1	2299.5	1711.9	9.8			241	24.111
52.4	16.1	2293.1	1698.9	8.9			251	8.611
59.1	18.1	2286.4	1696.9	8.8			251	7.211
65.6	21.1	2279.9	1694.9	8.6			255	4.611
72.1	22.1	2273.3	1692.9	8.3			255	2.511
78.7	24.1	2266.7	1691.9	8.2			255	1.911
85.2	26.1	2261.2	1688.9	8.2			255	1.611
91.8	28.1	2253.6	1686.9	8.2	7.8	8.1	255	1.111
111.6	31.1	2243.8	1683.9	8.2			255	

WATER QUALITY SAMPLING DATE: 25 OCT 72

1.1	1.1	2331.8	1711.4	8.8			241	
1.6	1.5	2329.1	1719.9	8.8			241	
3.2	1.1	2327.5	1719.4	8.8			241	
6.5	2.1	2324.2	1718.4	8.8			241	
9.8	3.1	2321.9	1717.4	8.8	7.8	9.4	241	
13.1	4.1	2317.6	1716.4	8.8			241	
19.6	6.1	2311.1	1714.4	8.8			241	
26.2	8.1	2314.5	1712.4	8.6			241	
32.8	11.1	2298.1	1711.4	8.6			241	
39.3	12.1	2291.4	1698.4	8.4			241	
45.9	14.1	2284.8	1696.4	8.1			251	
52.4	16.1	2278.3	1694.4	7.1			255	
59.1	18.1	2271.7	1692.4	7.1			255	
65.6	21.1	2265.2	1691.4	7.1		9.1	255	
75.4	23.1	2255.3	1687.4	7.1			255	

WATER QUALITY SAMPLING DATE: 11 NOV 72

1.1	1.1	2315.4	1715.7	6.7			241	3.111
1.6	1.5	2313.7	1715.2	6.7			241	2.811
3.2	1.1	2312.1	1714.7	6.7			241	2.711
6.5	2.1	2318.8	1713.7	6.7			241	2.611
9.8	3.1	2315.5	1712.7	6.7	7.5	9.4	241	2.411
13.1	4.1	2312.2	1711.7	6.7			241	2.411
16.4	5.1	2299.1	1711.7	6.7			241	2.311
22.9	7.1	2292.4	1698.7	6.7			241	2.111
29.5	9.1	2285.8	1696.7	6.7			251	1.611
36.1	11.1	2279.3	1694.7	6.7			255	1.811
42.6	13.1	2272.7	1692.7	6.5			255	1.511
49.2	15.1	2266.2	1691.7	6.5			255	1.211
55.7	17.1	2259.6	1688.7	6.3	7.5	9.1	255	1.111
65.6	21.1	2249.8	1685.7	6.5			265	1.111

WATER QUALITY SAMPLING DATE: 15 NOV 72

1.3	1.1	2276.1	1693.7	3.2		11.2	285	
1.6	1.5	2274.7	1693.3	3.2		11.1	285	
3.2	1.1	2273.1	1692.8	3.2		11.1	285	
6.5	2.1	2269.8	1691.8	3.2		11.1	285	
9.8	3.1	2266.5	1691.8	3.2	7.7	11.1	285	
13.1	4.1	2263.2	1689.8	3.2		11.1	285	
16.4	5.1	2261.1	1688.8	3.2		11.1	285	
19.6	6.1	2256.7	1687.8	3.2		11.1	285	
22.9	7.1	2253.4	1686.8	3.2		11.1	285	
26.2	8.1	2251.1	1685.8	3.2	7.7	11.1	281	
29.5	9.1	2246.8	1684.8	3.2		11.1	281	
32.8	11.1	2243.6	1683.8	3.2		11.1	281	
36.1	11.1	2241.3	1682.8	3.2		11.1	281	

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 22 MAY 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2299.4	0700.8	7.8	8.0	10.5	175	0.000
1.0	0.3	2298.4	0700.5	7.7	8.0	10.5	170	0.000
2.0	0.6	2297.4	0700.2	7.4	8.0	10.5	170	0.000
4.0	1.2	2295.4	0699.6	7.2	8.0	10.5	170	0.000
6.0	1.8	2293.4	0699.0	7.2	8.0	10.5	170	0.000
8.0	2.4	2291.4	0698.4	7.2	8.0	10.5	170	0.000
10.0	3.0	2289.4	0697.8	7.2	8.0	10.5	170	0.000
15.0	4.5	2284.4	0696.2	7.2	8.0	10.5	170	0.000
20.0	6.0	2279.4	0694.7	7.2	8.0	10.5	170	0.000
25.0	7.6	2274.4	0693.2	7.2	8.0	10.5	170	0.000
30.0	9.1	2269.4	0691.7	7.2	8.0	10.5	170	0.000
35.0	10.6	2264.4	0690.1	7.2	8.0	10.5	170	0.000
40.0	12.1	2259.4	0688.6	7.2	8.0	10.5	170	0.000
45.0	13.7	2254.4	0687.1	7.2	8.0	10.5	170	0.000
50.0	15.2	2249.4	0685.6	7.2	8.0	10.5	170	0.000
55.0	16.7	2244.4	0684.0	7.2	8.0	10.5	170	0.000

WATER QUALITY SAMPLING DATE: 30 MAY 73

0.0	0.0	2323.6	0700.2	10.8	8.0	10.8	185	0.000
1.0	0.3	2322.6	0707.9	10.8	8.0	10.8	185	0.000
2.0	0.6	2321.6	0707.6	10.6	8.0	10.8	180	0.000
4.0	1.2	2319.6	0707.0	10.2	8.0	10.8	180	0.000
6.0	1.8	2317.6	0706.4	10.0	8.0	10.7	180	0.000
8.0	2.4	2315.6	0705.7	9.5	8.0	10.7	175	0.000
10.0	3.0	2313.6	0705.1	9.4	8.0	10.7	175	0.000
14.0	4.2	2309.6	0703.9	9.3	8.0	10.8	175	0.000
19.0	5.7	2304.6	0702.4	8.0	8.0	10.8	175	0.000
24.0	7.3	2299.6	0700.9	7.5	8.0	10.8	175	0.000
29.0	8.8	2294.6	0699.3	7.3	8.0	10.7	175	0.000
34.0	10.3	2289.6	0697.8	7.2	8.0	10.7	175	0.000
39.0	11.8	2284.6	0696.3	7.2	8.0	10.7	175	0.000
44.0	13.4	2279.6	0694.8	7.2	8.0	10.7	175	0.000
49.0	14.9	2274.6	0693.2	7.2	8.0	10.7	175	0.000
54.0	16.4	2269.6	0691.7	7.2	8.0	10.7	175	0.000
59.0	17.9	2264.6	0690.2	7.1	8.0	10.7	175	0.000
64.0	19.5	2259.6	0688.7	7.1	7.9	10.6	175	0.000
69.0	21.0	2254.6	0687.2	7.1	7.9	10.6	175	0.000
74.0	22.5	2249.6	0685.6	7.1	7.9	10.6	175	0.000
79.0	24.0	2244.6	0684.1	7.1	7.9	10.6	175	0.000

WATER QUALITY SAMPLING DATE: 05 JUN 73

0.0	0.0	2339.0	0712.9	11.0	8.3	10.4	205	
1.0	0.3	2338.0	0712.6	11.0	8.3	10.4	205	1.200
2.0	0.6	2337.0	0712.3	11.0	8.3	10.4	205	0.400
4.0	1.2	2335.0	0711.7	11.0	8.3	10.4	205	0.000
6.0	1.8	2333.0	0711.0	11.0	8.2	10.4	205	0.000
8.0	2.4	2331.0	0710.4	11.0	8.2	10.4	205	0.000
10.0	3.0	2329.0	0709.8	11.0	8.2	10.4	205	0.000
14.0	4.2	2325.0	0708.6	11.0	8.2	10.4	205	0.000
19.0	5.7	2320.0	0707.1	11.0	8.2	10.3	205	0.000
24.0	7.3	2315.0	0705.6	10.9	8.2	10.3	205	0.000
29.0	8.8	2310.0	0704.0	10.9	8.2	10.2	205	0.000
34.0	10.3	2305.0	0702.5	10.8	8.2	10.2	205	0.000
39.0	11.8	2300.0	0701.0	10.7	8.2	10.2	200	0.000
44.0	13.4	2295.0	0699.5	10.5	8.2	10.2	200	0.000
49.0	14.9	2290.0	0697.9	10.4	8.2	10.2	200	0.000
54.0	16.4	2285.0	0696.4	10.1	8.1	10.2	200	0.000
59.0	17.9	2280.0	0694.9	9.9	8.1	10.0	195	0.000
64.0	19.5	2275.0	0693.4	9.5	8.0	10.0	195	0.000
69.0	21.0	2270.0	0691.8	9.2	7.9	10.0	190	0.000
74.0	22.5	2265.0	0690.3	9.1	7.9	10.0	190	0.000
79.0	24.0	2260.0	0688.8	9.1	7.9	10.0	190	0.000
84.0	25.6	2255.0	0687.3	9.1	7.9	10.0	190	0.000
89.0	27.1	2250.0	0685.8	9.1	7.9	10.0	190	0.000
94.0	28.6	2245.0	0684.2	9.1	7.9	10.0	190	0.000
99.0	30.1	2240.0	0682.7	9.1	7.9	9.9	190	0.000

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 12 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2359.9	0719.2	12.8	8.8	11.0	205	0.800
1.0	0.3	2358.9	0718.9	12.8	8.8	11.0	205	0.800
2.0	0.6	2357.9	0718.6	12.8	8.8	11.0	205	0.800
5.0	1.5	2354.9	0717.7	12.8	8.7	10.9	205	0.900
10.0	3.0	2349.9	0716.2	12.5	8.7	10.9	200	1.000
15.0	4.5	2344.9	0714.7	11.2	8.4	10.2	200	0.200
20.0	6.0	2339.9	0713.2	10.5	8.3	10.1	185	0.000
25.0	7.6	2334.9	0711.6	10.3	8.3	10.0	185	0.000
30.0	9.1	2329.9	0710.1	10.1	8.2	10.1	180	0.000
35.0	10.6	2324.9	0708.6	10.0	8.2	10.2	180	0.000
40.0	12.1	2319.9	0707.1	9.8	8.2	10.2	175	0.000
45.0	13.7	2314.9	0705.5	9.6	8.2	10.2	175	0.000
50.0	15.2	2309.9	0704.0	9.5	8.2	10.2	170	0.000
55.0	16.7	2304.9	0702.5	9.4	8.2	10.2	170	0.000
60.0	18.2	2299.9	0701.0	9.2	8.2	10.2	170	0.000
65.0	19.8	2294.9	0699.4	9.2	8.1	10.2	170	0.000
70.0	21.3	2289.9	0697.9	9.2	8.1	10.2	165	0.000
75.0	22.8	2284.9	0696.4	9.2	8.1	10.2	165	0.000
80.0	24.3	2279.9	0694.9	9.2	8.1	10.2	165	0.000
85.0	25.9	2274.9	0693.3	9.2	8.1	10.2	165	0.000
90.0	27.4	2269.9	0691.8	9.2	8.1	10.2	165	0.000
95.0	28.9	2264.9	0690.3	9.2	8.1	10.2	165	0.000
100.0	30.4	2259.9	0688.8	9.1	8.1	10.2	165	0.000
105.0	32.0	2254.9	0687.2	9.1	8.1	10.0	165	0.000
110.0	33.5	2249.9	0685.7	9.1	8.1	9.9	165	0.000
115.0	35.0	2244.9	0684.2	9.1	8.1	9.9	165	0.000

WATER QUALITY SAMPLING DATE: 20 JUN 73

0.1	0.0	2374.1	0723.6	12.5	8.6	10.6	205	
1.0	0.3	2373.2	0723.3	12.5	8.6	10.6	205	6.400
2.0	0.6	2372.2	0723.0	12.2	8.6	10.4	210	5.700
5.0	1.5	2369.2	0722.1	12.2	8.6	10.3	210	5.400
10.0	3.0	2364.2	0720.6	12.2	8.6	10.3	200	3.000
15.0	4.5	2359.2	0719.0	12.0	8.6	10.3	200	2.000
20.0	6.0	2354.2	0717.5	11.9	8.6	10.3	200	1.400
30.0	9.1	2344.2	0714.5	11.1	8.5	10.2	200	0.800
40.0	12.1	2334.2	0711.4	10.8	8.4	10.0	190	0.300
50.0	15.2	2324.2	0708.4	10.3	8.3	10.0	195	0.100
60.0	18.2	2314.2	0705.3	10.2	8.2	10.0	190	0.000
70.0	21.3	2304.2	0702.3	10.1	8.2	10.0	190	0.000
80.0	24.3	2294.2	0699.2	10.0	8.2	10.0	190	0.000
90.0	27.4	2284.2	0696.2	10.0	8.2	9.9	190	0.000
100.0	30.4	2274.2	0693.1	10.0	8.2	9.9	190	0.000
110.0	33.5	2264.2	0690.1	10.0	8.2	9.9	190	0.000
120.0	36.5	2254.2	0687.0	10.0	8.2	9.8	190	0.000
130.0	39.6	2244.2	0684.0	10.0	8.2	9.7	190	0.000

WATER QUALITY SAMPLING DATE: 28 JUN 73

0.1	0.0	2388.5	0728.0	14.1	8.6	9.7	205	
1.0	0.3	2387.6	0727.7	14.1	8.6	9.7	205	8.000
2.0	0.6	2386.6	0727.4	14.1	8.6	9.7	205	7.500
5.0	1.5	2383.6	0726.5	14.1	8.6	9.7	205	7.500
10.0	3.0	2378.6	0724.9	14.0	8.6	9.8	205	6.500
15.0	4.5	2373.6	0723.4	13.8	8.6	9.8	205	5.400
20.0	6.0	2368.6	0721.9	13.5	8.6	9.8	200	5.100
30.0	9.1	2358.6	0718.9	13.0	8.5	9.8	200	3.000
40.0	12.1	2348.6	0715.8	12.5	8.4	9.7	195	1.500
50.0	15.2	2338.6	0712.8	11.9	8.3	9.7	190	0.500
60.0	18.2	2328.6	0709.7	11.5	8.2	9.7	190	0.000
70.0	21.3	2318.6	0706.7	11.0	8.2	9.8	200	0.000
80.0	24.3	2308.6	0703.6	10.4	8.2	10.0	200	0.000
90.0	27.4	2298.6	0700.6	10.0	8.2	10.0	200	0.500
100.0	30.4	2288.6	0697.5	9.8	8.2	9.8	195	1.500
110.0	33.5	2278.6	0694.5	9.6	8.2	9.7	195	1.500
120.0	36.5	2268.6	0691.4	9.6	8.1	9.7	195	1.700
130.0	39.6	2258.6	0688.4	9.6	8.1	9.6	195	1.700
133.0	40.5	2255.6	0687.5	9.6	8.0	9.6	195	1.700
143.0	43.5	2245.6	0684.4	9.5	8.0	9.5	195	1.700

TABIE 15. STATION NO. 12301600, LAKE KODOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 03 JUL 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKF ELEVATION (FT AMSL)	LAKF ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHDS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2396.3	0730.4	15.1	8.5	9.5	185	
1.0	0.3	2395.4	0730.1	15.1	8.5	9.5	185	9.100
2.0	0.6	2394.4	0729.8	15.1	8.5	9.6	185	9.000
5.0	1.5	2391.4	0728.9	15.0	8.5	9.6	185	9.000
10.0	3.0	2386.4	0727.3	14.8	8.5	9.6	185	7.600
15.0	4.5	2381.4	0725.8	14.6	8.5	9.5	185	6.100
20.0	6.0	2376.4	0724.3	14.5	8.4	9.6	180	5.300
25.0	7.6	2371.4	0722.8	14.5	8.4	9.6	180	5.100
30.0	9.1	2366.4	0721.2	14.2	8.4	9.6	180	5.000
40.0	12.1	2356.4	0718.2	13.9	8.3	9.5	180	5.000
50.0	15.2	2346.4	0715.1	13.6	8.3	9.6	175	0.800
60.0	18.2	2336.4	0712.1	13.4	8.3	9.7	175	0.700
70.0	21.3	2326.4	0709.0	12.4	8.2	9.6	175	0.100
80.0	24.3	2316.4	0706.0	11.8	8.1	9.7	160	0.000
90.0	27.4	2306.4	0703.0	10.9	8.1	9.7	165	0.000
100.0	30.4	2296.4	0699.9	10.7	8.0	9.6	165	0.000
110.0	33.5	2286.4	0696.9	10.0	8.0	9.6	175	0.000
120.0	36.5	2276.4	0693.8	9.8	8.0	9.4	175	0.000
130.0	39.6	2266.4	0690.8	9.7	7.9	9.2	175	0.600
138.0	42.0	2258.4	0688.3	9.7	7.9	9.2	175	1.700
148.0	45.1	2248.4	0685.3	9.7	7.9	9.2	175	2.000

WATER QUALITY SAMPLING DATE: 10 JUL 73

0.1	0.0	2403.5	0732.6	15.2		9.6	205	
1.0	0.3	2402.6	0732.3	15.2		9.6	205	22.500
2.0	0.6	2401.6	0732.0	15.2		9.6	205	22.500
5.0	1.5	2398.6	0731.1	15.2		9.7	205	22.500
10.0	3.0	2393.6	0729.5	15.1	8.3	9.7	205	21.000
15.0	4.5	2388.6	0728.0	15.0		9.6	205	18.000
20.0	6.0	2383.6	0726.5	14.7		9.5	200	16.000
25.0	7.6	2378.6	0725.0	14.6		9.4	200	14.000
30.0	9.1	2373.6	0723.5	14.5		9.4	200	11.000
35.0	10.6	2368.6	0721.9	14.2		9.5	200	10.500
40.0	12.1	2363.6	0720.4	14.0		9.5	200	10.000
45.0	13.7	2358.6	0718.9	13.8		9.5	200	8.000
55.0	16.7	2348.6	0715.8	13.3		9.5	195	5.500
65.0	19.8	2338.6	0712.8	12.8		9.6	190	2.300
75.0	22.8	2328.6	0709.7	11.2		9.6	185	0.500
85.0	25.9	2318.6	0706.7	11.0		9.6	185	0.500
95.0	28.9	2308.6	0703.6	10.1		9.6	190	0.600
105.0	32.0	2298.6	0700.6	9.9		9.6	190	1.100
115.0	35.0	2288.6	0697.5	9.6		9.5	190	1.400
125.0	38.1	2278.6	0694.5	9.5		9.4	185	1.400
135.0	41.1	2268.6	0691.4	9.4		9.1	185	1.000
145.0	44.1	2258.6	0688.4	9.6	7.6	9.0	185	0.700
155.0	47.2	2248.6	0685.4	9.6		9.0	185	0.600

WATER QUALITY SAMPLING DATE: 19 JUL 73

0.1	0.0	2407.3	0733.7	21.0		8.1	200	
1.0	0.3	2406.4	0733.4	21.0		8.1	200	
2.0	0.6	2405.4	0733.1	20.8		8.2	200	
5.0	1.5	2402.4	0732.2	20.2		8.3	200	
10.0	3.0	2397.4	0730.7	19.8	7.9	8.6	200	
15.0	4.5	2392.4	0729.2	17.8		8.8	200	
20.0	6.0	2387.4	0727.7	16.8		8.8	200	
25.0	7.6	2382.4	0726.1	15.9		8.8	200	
30.0	9.1	2377.4	0724.6	14.9		8.0	200	
35.0	10.6	2372.4	0723.1	14.4		8.2	200	
40.0	12.1	2367.4	0721.6	14.0		8.2	200	
45.0	13.7	2362.4	0720.0	13.8		8.3	200	
50.0	15.2	2357.4	0718.5	13.3		8.4	200	
55.0	16.7	2352.4	0717.0	13.1		8.4	200	
60.0	18.2	2347.4	0715.5	12.5		8.4	195	
65.0	19.8	2342.4	0713.9	11.7		8.5	190	
70.0	21.3	2337.4	0712.4	10.9		8.6	190	
75.0	22.8	2332.4	0710.9	10.3		8.6	190	
80.0	24.3	2327.4	0709.4	10.3		8.6	190	
90.0	27.4	2317.4	0706.3	10.1		8.5	190	
100.0	30.4	2307.4	0703.3	9.9		8.4	190	
110.0	33.5	2297.4	0700.2	9.9		8.2	190	
121.0	36.8	2286.4	0696.9	9.9	7.6	7.9	190	
127.0	38.7	2280.4	0695.0	9.9		7.9	190	
131.0	39.9	2276.4	0693.8	9.9		7.8	190	

TABLE 15. STATION NO. 12301600, LAKE KOCCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 24 JUL 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2409.2	0734.3	18.2	8.1	8.5	210	
1.0	0.3	2408.3	0734.0	18.2	8.1	8.5	210	
2.0	0.6	2407.3	0733.7	18.2	8.1	8.5	210	
5.0	1.5	2404.3	0732.8	18.2	8.1	8.5	210	
10.0	3.0	2399.3	0731.3	18.2	8.1	8.6	210	
15.0	4.5	2394.3	0729.7	18.1	8.1	8.6	210	
20.0	6.0	2389.3	0728.2	17.9	8.1	8.5	210	
25.0	7.6	2384.3	0726.7	17.8	8.1	8.6	205	
30.0	9.1	2379.3	0725.2	17.7	8.1	8.6	205	
35.0	10.6	2374.3	0723.6	17.0	8.0	8.6	205	
40.0	12.1	2369.3	0722.1	16.2	8.0	8.4	210	
45.0	13.7	2364.3	0720.6	15.5	7.9	8.2	215	
50.0	15.2	2359.3	0719.1	15.1	7.9	8.3	215	
55.0	16.7	2354.3	0717.5	14.8	7.9	8.3	210	
60.0	18.2	2349.3	0716.0	14.0	7.9	8.5	205	
65.0	19.8	2344.3	0714.5	13.1	7.8	8.6	205	
70.0	21.3	2339.3	0713.0	12.5	7.8	8.7	200	
80.0	24.3	2329.3	0709.9	12.0	7.8	8.8	195	
90.0	27.4	2319.3	0706.9	11.3	7.8	8.8	190	
100.0	30.4	2309.3	0703.8	10.6	7.8	8.8	195	
110.0	33.5	2299.3	0700.8	10.3	7.7	8.7	195	
120.0	36.5	2289.3	0697.7	10.1	7.7	8.6	190	
130.0	39.6	2279.3	0694.7	10.0	7.6	8.4	190	
140.0	42.6	2269.3	0691.6	10.0	7.6	8.2	190	
151.0	46.0	2258.3	0688.3	10.0	7.6	8.0	190	
161.0	49.0	2248.3	0685.2	10.0	7.6	7.8	190	

WATER QUALITY SAMPLING DATE: 31 JUL 73

0.1	0.0	2411.7	0735.0	20.0	8.2	8.2	195	
1.0	0.3	2410.8	0734.8	20.0	8.2	8.2	195	
2.0	0.6	2409.8	0734.5	20.0	8.2	8.2	195	38.000
5.0	1.5	2406.8	0733.5	20.0	8.2	8.2	195	38.000
10.0	3.0	2401.8	0732.0	19.8	8.2	8.3	190	38.000
15.0	4.5	2396.8	0730.5	19.4	8.2	8.5	185	39.000
20.0	6.0	2391.8	0729.0	18.5	8.2	8.4	190	40.000
25.0	7.6	2386.8	0727.4	17.0	8.0	8.1	195	43.000
30.0	9.1	2381.8	0725.9	16.2	7.9	8.0	200	45.000
35.0	10.6	2376.8	0724.4	15.8	7.9	8.0	200	29.000
40.0	12.1	2371.8	0722.9	15.2	7.9	8.1	205	24.000
45.0	13.7	2366.8	0721.4	14.8	7.9	8.2	195	19.500
50.0	15.2	2361.8	0719.8	14.3	7.9	8.3	190	18.000
55.0	16.7	2356.8	0718.3	13.3	7.9	8.5	190	18.000
65.0	19.8	2346.8	0715.3	12.3	7.8	8.6	180	7.000
75.0	22.8	2336.8	0712.2	11.8	7.8	8.7	180	7.000
85.0	25.9	2326.8	0709.2	11.2	7.8	8.6	180	0.000
95.0	28.9	2316.8	0706.1	10.8	7.7	8.5	180	0.000
105.0	32.0	2306.8	0703.1	10.6	7.7	8.3	180	0.000
115.0	35.0	2296.8	0700.0	10.4	7.7	8.3	180	0.000
125.0	38.1	2286.8	0697.0	10.3	7.6	8.3	180	0.000
135.0	41.1	2276.8	0693.9	10.2	7.6	8.1	175	0.000
145.0	44.1	2266.8	0690.9	10.1	7.6	8.0	175	0.000
155.0	47.2	2256.8	0687.8	10.1	7.5	7.6	175	0.400
165.0	50.2	2246.8	0684.8	10.1	7.5	7.4	180	0.600

WATER QUALITY SAMPLING DATE: 07 AUG 73

0.1	0.0	2413.6	0735.6	19.0	8.1	8.2	210	
1.0	0.3	2412.7	0735.3	19.0	8.1	8.2	210	
2.0	0.6	2411.7	0735.0	19.0	8.1	8.2	210	23.000
5.0	1.5	2408.7	0734.1	19.0	8.1	8.2	210	23.000
10.0	3.0	2403.7	0732.6	18.8	8.1	8.3	210	23.000
15.0	4.5	2398.7	0731.1	18.8	8.1	8.3	210	22.000
20.0	6.0	2393.7	0729.5	19.0	8.1	8.3	210	22.000
25.0	7.6	2388.7	0728.0	19.0	8.1	8.3	210	22.000
30.0	9.1	2383.7	0726.5	18.8	8.1	8.3	210	21.000
35.0	10.6	2378.7	0725.0	18.8	8.1	8.3	210	20.000
40.0	12.1	2373.7	0723.5	18.5	8.0	8.3	215	18.000
45.0	13.7	2368.7	0721.9	18.3	8.0	8.3	215	17.000
50.0	15.2	2363.7	0720.4	18.0	8.0	8.3	215	17.000
55.0	16.7	2358.7	0718.9	17.5	8.0	8.2	215	16.000
60.0	18.2	2353.7	0717.4	16.2	7.9	8.0	215	5.000
65.0	19.8	2348.7	0715.8	15.4	7.8	8.0	215	4.500
70.0	21.3	2343.7	0714.3	15.0	7.8	8.1	210	5.000
75.0	22.8	2338.7	0712.8	13.0	7.8	8.7	200	3.000
85.0	25.9	2328.7	0709.7	12.7	7.8	8.8	190	1.500
95.0	28.9	2318.7	0706.7	11.8	7.8	8.8	190	0.500
105.0	32.0	2308.7	0703.6	11.0	7.7	8.7	190	0.500
115.0	35.0	2298.7	0700.6	10.1	7.7	8.3	190	0.500
125.0	38.1	2288.7	0697.5	10.1	7.6	8.2	190	1.000
135.0	41.1	2278.7	0694.5	10.2	7.6	8.1	190	1.500
145.0	44.1	2268.7	0691.4	10.2	7.6	8.0	190	1.500
158.0	48.1	2255.7	0687.5	10.2	7.6	7.9	190	1.500
168.0	51.2	2245.7	0684.4	10.2	7.6	7.8	190	2.000

TABLE 15. STATION NO. 12301600, LAKE KOPCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 16 AUG 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2415.1	0736.1	19.2	8.1	8.0	215	
1.0	0.3	2414.2	0735.8	19.2	8.1	8.0	215	41,000
2.0	0.6	2413.2	0735.5	19.2	8.1	8.0	215	41,000
5.0	1.5	2410.2	0734.6	19.2	8.1	8.0	215	40,000
10.0	3.0	2405.2	0733.1	19.1	8.1	7.9	215	39,000
15.0	4.5	2400.2	0731.6	19.1	8.1	8.1	215	38,000
20.0	6.0	2395.2	0730.0	19.1	8.1	8.1	215	38,000
25.0	7.6	2390.2	0728.5	19.0	8.1	8.2	215	37,000
30.0	9.1	2385.2	0727.0	18.9	8.0	8.1	215	36,000
35.0	10.6	2380.2	0725.5	18.8	8.0	8.4	215	31,000
40.0	12.1	2375.2	0723.9	18.1	8.0	8.0	220	31,000
45.0	13.7	2370.2	0722.4	17.6	7.9	7.8	230	21,000
50.0	15.2	2365.2	0720.9	16.5	7.9	7.4	225	17,000
55.0	16.7	2360.2	0719.4	15.5	7.8	7.8	220	15,200
60.0	18.2	2355.2	0717.8	14.8	7.8	8.1	210	5,200
65.0	19.8	2350.2	0716.3	14.2	7.8	8.1	200	4,200
70.0	21.3	2345.2	0714.8	13.3	7.8	8.5	200	3,000
80.0	24.3	2335.2	0711.7	12.9	7.8	8.6	200	2,200
90.0	27.4	2325.2	0708.7	12.5	7.8	8.7	200	1,300
100.0	30.4	2315.2	0705.6	11.5	7.7	8.7	195	1,300
110.0	33.5	2305.2	0702.6	11.8	7.8	8.5	195	0,400
120.0	36.5	2295.2	0699.5	11.3	7.7	8.2	195	0,800
130.0	39.6	2285.2	0696.5	10.7	7.6	7.8	195	1,400
140.0	42.6	2275.2	0693.5	10.5	7.6	7.3	195	1,700
150.0	45.7	2265.2	0690.4	10.5	7.6	7.1	195	2,000
160.0	48.7	2255.2	0687.4	10.5	7.6	6.8	195	1,900
170.0	51.8	2245.2	0684.3	10.5	7.6	6.8	195	1,900

WATER QUALITY SAMPLING DATE: 21 AUG 73

1.0	0.3	2412.9	0735.4					60,000
2.0	0.6	2411.9	0735.1					64,000
5.0	1.5	2408.9	0734.2					63,000
10.0	3.0	2403.9	0732.7	18.5				63,000
15.0	4.5	2398.9	0731.1		7.8			64,000
20.0	6.0	2393.9	0729.6					64,000
25.0	7.6	2388.9	0728.1					65,000
30.0	9.1	2383.9	0726.6					64,000
35.0	10.6	2378.9	0725.0					65,000
40.0	12.1	2373.9	0723.5					67,000
45.0	13.7	2368.9	0722.0					54,000
50.0	15.2	2363.9	0720.5					26,000
55.0	16.7	2358.9	0719.0					12,000
60.0	18.2	2353.9	0717.4					10,000
70.0	21.3	2343.9	0714.4					11,000
80.0	24.3	2333.9	0711.3					11,000
90.0	27.4	2323.9	0708.3					8,700
100.0	30.4	2313.9	0705.2					10,000
110.0	33.5	2303.9	0702.2					10,000
120.0	36.5	2293.9	0699.1					9,000
130.0	39.6	2283.9	0696.1					8,600
140.0	42.6	2273.9	0693.0					7,700
150.0	45.7	2263.9	0690.0					8,300
158.0	48.1	2255.9	0687.6	10.2	7.8			6,000
168.0	51.2	2245.9	0684.5					4,000

WATER QUALITY SAMPLING DATE: 29 AUG 73

0.1	0.0	2408.4	0734.0	18.0		8.4		
1.0	0.3	2407.4	0733.8	18.0		8.4		45,000
2.0	0.6	2406.5	0733.5	18.0		8.4		45,000
5.0	1.5	2403.5	0732.5	18.0		8.4		46,000
10.0	3.0	2398.5	0731.0	17.9	7.9	8.4		45,000
15.0	4.5	2393.5	0729.5	17.9		8.4		45,000
20.0	6.0	2388.5	0728.0	17.9		8.4		45,000
25.0	7.6	2383.5	0726.4	17.9		8.4		45,000
30.0	9.1	2378.5	0724.9	17.9		8.4		45,000
35.0	10.6	2373.5	0723.4	17.9		8.3		45,000
40.0	12.1	2368.5	0721.9	17.9		8.3		45,000
45.0	13.7	2363.5	0720.4					45,000
50.0	15.2	2358.5	0718.9					44,000
55.0	16.7	2353.5	0717.3					44,000
60.0	18.2	2348.5	0715.8					44,000
70.0	21.3	2338.5	0712.7					42,000
80.0	24.3	2328.5	0709.7					33,000
90.0	27.4	2318.5	0706.6					23,000
95.0	28.9	2313.5	0705.1					7,200
100.0	30.4	2308.5	0703.6					3,400
110.0	33.5	2298.5	0700.5					2,600
120.0	36.5	2288.5	0697.5					4,000
130.0	39.6	2278.5	0694.4					5,200
140.0	42.6	2268.5	0691.4	11.0		6.9		7,400
150.0	45.7	2258.5	0688.3					8,000
160.0	48.7	2248.5	0685.3					4,200

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 05 SEP 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2403.1	0732.4	17.8		8.2		
1.0	0.3	2402.2	0732.2	17.8		8.2		44.000
2.0	0.6	2401.2	0731.9	17.8		8.2		43.000
5.0	1.5	2398.7	0730.9	17.8		8.2		43.000
10.0	3.0	2393.2	0729.4	17.7	8.0	8.2		43.000
15.0	4.5	2388.2	0727.9	17.7		8.2		43.000
20.0	6.0	2383.2	0726.4	17.7		8.2		43.000
25.0	7.6	2378.2	0724.8	17.6		8.2		44.000
30.0	9.1	2373.2	0723.3	17.6		8.2		44.000
35.0	10.6	2368.2	0721.8	17.6		8.2		42.000
40.0	12.1	2363.2	0720.3	17.6		8.2		42.000
45.0	13.7	2358.2	0718.7					44.000
50.0	15.2	2353.2	0717.2					46.000
55.0	16.7	2348.2	0715.7					45.000
60.0	18.2	2343.2	0714.2					47.000
65.0	19.8	2338.2	0712.7					45.000
70.0	21.3	2333.2	0711.1					44.000
80.0	24.3	2323.2	0708.1					37.000
90.0	27.4	2313.2	0705.0					41.000
100.0	30.4	2303.2	0702.0					30.000
110.0	33.5	2293.2	0698.9					19.000
120.0	36.5	2283.2	0695.9					10.000
130.0	39.6	2273.2	0692.8					8.000
140.0	42.6	2263.2	0689.8					7.900
145.0	44.1	2258.2	0688.3	11.0	7.3	6.2		7.600
155.0	47.2	2248.2	0685.2					6.000

WATER QUALITY SAMPLING DATE: 10 SEP 73

0.1	0.0	2398.7	0731.1	18.0		8.2		
1.0	0.3	2397.8	0730.8	18.0		8.2		48.000
2.0	0.6	2396.8	0730.5	18.0		8.2		48.000
5.0	1.5	2393.8	0729.6	18.0		8.2		48.000
10.0	3.0	2388.8	0728.1	18.0	7.9	8.2		48.000
15.0	4.5	2383.8	0726.5	18.0		8.2		48.000
20.0	6.0	2378.8	0725.0	18.0		8.2		47.000
25.0	7.6	2373.8	0723.5	17.9		8.2		47.000
30.0	9.1	2368.8	0722.0	17.9		8.2		42.000
35.0	10.6	2363.8	0720.4	17.8		8.2		42.000
40.0	12.1	2358.8	0718.9	17.7		8.0		38.000
45.0	13.7	2353.8	0717.4					43.000
50.0	15.2	2348.8	0715.9					38.000
55.0	16.7	2343.8	0714.3					34.000
60.0	18.2	2338.8	0712.8					30.000
65.0	19.8	2333.8	0711.3					30.000
70.0	21.3	2328.8	0709.8					34.000
80.0	24.3	2318.8	0706.7					38.000
90.0	27.4	2308.8	0703.7					39.000
100.0	30.4	2298.8	0700.6					31.000
110.0	33.5	2288.8	0697.6					26.000
120.0	36.5	2278.8	0694.5					28.000
125.0	38.1	2273.8	0693.0					15.000
130.0	39.6	2268.8	0691.5					14.000
135.0	41.1	2263.8	0690.0					13.000
140.0	42.6	2258.8	0688.4					11.000
145.0	44.1	2253.8	0686.9	12.5	7.5	5.7		6.600
150.0	45.7	2248.8	0685.4					5.600
155.0	47.2	2243.8	0683.9					5.600

WATER QUALITY SAMPLING DATE: 18 SEP 73

0.1	0.0	2391.7	0729.0	17.0	7.9	8.3	230	
1.0	0.3	2390.8	0728.7	17.0	7.9	8.3	230	31.000
2.0	0.6	2389.8	0728.4	17.0	7.9	8.3	230	31.000
5.0	1.5	2386.8	0727.5	17.0	7.9	8.3	230	30.000
10.0	3.0	2381.8	0725.9	17.0	7.9	8.3	230	30.000
15.0	4.5	2376.8	0724.4	17.0	7.9	8.3	230	30.000
20.0	6.0	2371.8	0722.9	17.0	7.9	8.3	230	30.000
25.0	7.6	2366.8	0721.4	17.0	7.9	8.3	230	30.000
30.0	9.1	2361.8	0719.9	17.0	7.9	8.3	230	30.000
35.0	10.6	2356.8	0718.3	17.0	7.9	8.3	230	31.000
40.0	12.1	2351.8	0716.8	17.0	7.9	8.3	230	31.000
45.0	13.7	2346.8	0715.3	17.0	7.9	8.4	230	31.000
50.0	15.2	2341.8	0713.8	17.0	7.9	8.4	230	31.000
55.0	16.7	2336.8	0712.2	16.9	7.9	8.4	230	31.000
65.0	19.8	2326.8	0709.7	16.0	7.7	7.3	245	33.000
75.0	22.8	2316.8	0706.1	15.8	7.6	7.1	255	33.000
85.0	25.9	2306.8	0703.1	15.2	7.5	7.0	260	30.000
95.0	28.9	2296.8	0700.0	14.7	7.5	7.0	250	30.000
105.0	32.0	2286.8	0697.0	13.9	7.4	6.8	230	28.000
115.0	35.0	2276.8	0693.9	13.0	7.4	6.3	225	23.000
125.0	38.1	2266.8	0690.9	12.1	7.3	5.0	215	21.000
135.0	41.1	2256.8	0687.8	12.0	7.2	4.8	210	15.000
145.0	44.1	2246.8	0684.8	12.0	7.2	4.2	210	11.000

TABLE 15. STATION NO. 12301600, LAKE KODCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 25 SEP 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2385.4	0727.0	15.9	7.9	8.4	235	
1.0	0.3	2384.5	0726.7	15.9	7.9	8.4	235	26.000
2.0	0.6	2383.5	0726.4	15.9	7.9	8.4	235	26.000
5.0	1.5	2380.5	0725.5	15.9	7.9	8.4	235	26.000
10.0	3.0	2375.5	0724.0	15.9	7.9	8.4	235	26.000
20.0	6.0	2365.5	0721.0	15.9	7.9	8.4	235	27.000
30.0	9.1	2355.5	0717.9	15.9	7.8	8.4	235	28.000
40.0	12.1	2345.5	0714.9	15.8	7.8	8.4	235	26.000
50.0	15.2	2335.5	0711.8	15.8	7.8	8.4	235	26.000
60.0	18.2	2325.5	0708.8	15.8	7.8	8.4	235	26.000
70.0	21.3	2315.5	0705.7	15.8	7.8	8.4	235	26.000
80.0	24.3	2305.5	0702.7	15.8	7.8	8.4	235	24.000
90.0	27.4	2295.5	0699.6	15.5	7.8	8.4	245	23.000
100.0	30.4	2285.5	0696.6	14.2	7.7	8.4	255	15.000
110.0	33.5	2275.5	0693.5	13.3	7.7	8.2	260	11.000
120.0	36.5	2265.5	0690.5	13.2	7.7	8.1	260	9.000
132.0	40.2	2253.5	0688.8	13.2	7.7	8.0	260	9.800
142.0	43.2	2243.5	0683.8	13.1	7.7	7.9	260	9.800

WATER QUALITY SAMPLING DATE: 04 OCT 73

0.1	0.0	2380.3	0725.5	14.7	7.9	8.4	235	
1.0	0.3	2379.4	0725.2	14.7	7.9	8.4	235	33.000
2.0	0.6	2378.4	0724.9	14.7	7.9	8.4	235	33.000
5.0	1.5	2375.4	0724.0	14.7	7.9	8.5	235	33.000
10.0	3.0	2370.4	0722.5	14.7	7.9	8.5	235	33.000
15.0	4.5	2365.4	0720.9	14.7	7.9	8.4	235	33.000
20.0	6.0	2360.4	0719.4	14.7	7.9	8.4	235	33.000
30.0	9.1	2350.4	0716.4	14.7	7.9	8.4	235	33.000
40.0	12.1	2340.4	0713.3	14.7	7.9	8.4	235	32.000
50.0	15.2	2330.4	0710.3	14.7	7.9	8.4	235	31.000
60.0	18.2	2320.4	0707.2	14.7	7.9	8.4	235	31.000
70.0	21.3	2310.4	0704.2	14.5	7.9	8.4	235	31.000
80.0	24.3	2300.4	0701.1	14.5	7.9	8.4	235	31.000
90.0	27.4	2290.4	0698.1	14.2	7.9	8.5	245	29.000
100.0	30.4	2280.4	0695.0	13.7	7.8	8.1	255	14.000
110.0	33.5	2270.4	0692.0	13.0	7.8	7.8	260	5.600
120.0	36.5	2260.4	0688.9	12.9	7.8	7.8	260	2.400
130.0	39.6	2250.4	0685.9	12.8	7.8	7.6	260	0.900
140.0	42.6	2240.4	0682.8	12.8	7.8	7.6	260	0.500

WATER QUALITY SAMPLING DATE: 09 OCT 73

0.1	0.0	2378.2	0724.8	13.8	8.0	8.7	230	
1.0	0.3	2377.3	0724.6	13.8	8.0	8.7	230	29.000
2.0	0.6	2376.3	0724.2	13.8	8.0	8.7	230	29.000
5.0	1.5	2373.3	0723.3	13.8	8.0	8.7	230	29.000
10.0	3.0	2368.3	0721.8	13.8	8.0	8.7	230	29.000
15.0	4.5	2363.3	0720.3	13.8	8.0	8.6	240	29.000
25.0	7.6	2353.3	0717.2	13.8	7.9	8.5	240	29.000
35.0	10.6	2343.3	0714.2	13.8	7.9	8.5	230	30.000
45.0	13.7	2333.3	0711.1	13.7	7.9	8.5	235	31.000
55.0	16.7	2323.3	0708.1	13.7	7.9	8.5	235	31.000
65.0	19.8	2313.3	0705.0	13.7	7.9	8.5	235	31.000
75.0	22.8	2303.3	0702.0	13.6	7.9	8.5	235	31.000
85.0	25.9	2293.3	0698.9	13.6	7.9	8.5	235	31.000
95.0	28.9	2283.3	0695.9	13.5	7.9	8.4	240	27.000
105.0	32.0	2273.3	0692.9	13.2	7.8	8.1	255	19.000
115.0	35.0	2263.3	0689.8	12.8	7.7	7.8	260	4.200
122.0	37.1	2256.3	0687.7	12.8	7.7	7.6	260	0.600
132.0	40.2	2246.3	0684.6	12.8	7.7	7.6	260	0.000

WATER QUALITY SAMPLING DATE: 15 OCT 73

0.1	0.0	2375.5	0724.0	13.0	7.9	9.0	235	
1.0	0.3	2374.6	0723.7	13.0	7.9	9.0	235	37.000
2.0	0.6	2373.6	0723.4	13.0	7.9	9.0	235	37.000
5.0	1.5	2370.6	0722.5	12.9	7.9	9.0	235	37.000
10.0	3.0	2365.6	0721.0	12.9	7.9	9.0	235	37.000
15.0	4.5	2360.6	0719.5	12.9	7.9	9.0	235	37.000
20.0	6.0	2355.6	0718.0	12.9	7.9	9.0	235	37.000
30.0	9.1	2345.6	0714.9	12.9	7.9	9.0	235	37.000
40.0	12.1	2335.6	0711.9	12.9	7.9	9.0	245	37.000
50.0	15.2	2325.6	0708.8	12.8	7.9	9.0	240	25.000
60.0	18.2	2315.6	0705.8	12.8	7.9	9.0	240	24.000
70.0	21.3	2305.6	0702.7	12.4	7.9	8.9	245	23.000
80.0	24.3	2295.6	0699.7	12.2	7.8	8.7	245	19.000
90.0	27.4	2285.6	0696.6	11.7	7.8	8.5	255	9.000
100.0	30.4	2275.6	0693.6	11.3	7.8	8.4	255	2.000
110.0	33.5	2265.6	0690.5	11.3	7.8	8.4	255	2.200
119.0	36.2	2256.6	0687.8	11.3	7.8	8.3	255	1.500
129.0	39.3	2246.6	0684.7	11.3	7.8	8.3	255	0.500



TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 23 OCT 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2371.9	0722.9	12.9	8.0	9.0	230	
1.0	0.3	2371.0	0722.7	12.9	8.0	9.0	230	31.000
2.0	0.6	2370.0	0722.4	12.9	8.0	9.0	230	31.000
5.0	1.5	2367.0	0721.4	12.9	8.0	9.0	230	31.000
10.0	3.0	2362.0	0719.9	12.9	8.0	9.0	230	31.000
20.0	6.0	2352.0	0716.9	12.8	7.9	9.0	230	33.000
30.0	9.1	2342.0	0713.8	12.3	7.9	9.1	230	35.000
40.0	12.1	2332.0	0710.8	12.1	7.9	9.2	235	36.000
50.0	15.2	2322.0	0707.7	12.0	7.8	9.2	240	34.000
60.0	18.2	2312.0	0704.7	11.9	7.8	9.2	240	34.000
70.0	21.3	2302.0	0701.6	11.7	7.8	9.3	240	34.000
80.0	24.3	2292.0	0698.6	11.0	7.8	9.4	250	26.000
90.0	27.4	2282.0	0695.5	9.6	7.8	9.4	265	7.400
100.0	30.4	2272.0	0692.5	9.3	7.8	9.4	265	4.200
110.0	33.5	2262.0	0689.4	9.2	7.7	9.4	265	2.700
115.0	35.0	2257.0	0687.9	9.2	7.7	9.4	265	1.400
125.0	38.1	2247.0	0684.9	9.1	7.7	9.3	265	1.000

WATER QUALITY SAMPLING DATE: 30 OCT 73

0.1	0.0	2370.3	0722.4	11.4	7.9	9.3	235	
1.0	0.3	2369.4	0722.2	11.4	7.9	9.3	235	23.000
2.0	0.6	2368.4	0721.9	11.4	7.9	9.3	235	23.000
5.0	1.5	2365.4	0720.9	11.4	7.9	9.3	235	23.000
10.0	3.0	2360.4	0719.4	11.4	7.9	9.4	235	23.000
15.0	4.5	2355.4	0717.9	11.4	7.9	9.4	235	23.000
25.0	7.6	2345.4	0714.8	11.4	7.9	9.4	235	23.000
35.0	10.6	2335.4	0711.8	11.4	7.9	9.4	235	22.000
45.0	13.7	2325.4	0708.7	11.4	7.9	9.5	235	22.000
55.0	16.7	2315.4	0705.7	11.2	7.9	9.5	240	22.000
65.0	19.8	2305.4	0702.7	11.2	7.8	9.5	240	22.000
75.0	22.8	2295.4	0699.6	11.2	7.9	9.5	240	21.000
85.0	25.9	2285.4	0696.6	11.0	7.8	9.4	240	16.000
95.0	28.9	2275.4	0693.5	10.8	7.8	9.4	245	11.000
105.0	32.0	2265.4	0690.5	10.8	7.8	9.4	245	3.600
115.0	35.0	2255.4	0687.4	10.2	7.8	9.2	255	1.700
125.0	38.1	2245.4	0684.4	10.2	7.8	9.2	255	

WATER QUALITY SAMPLING DATE: 12 NOV 73

0.1	0.0	2365.2	0720.9	8.4	7.9	9.6	235	
1.0	0.3	2364.3	0720.6	8.4	7.9	9.6	235	16.000
2.0	0.6	2363.3	0720.3	8.4	7.9	9.7	235	16.000
5.0	1.5	2360.3	0719.4	8.4	7.9	9.7	235	15.500
10.0	3.0	2355.3	0717.9	8.4	7.9	9.8	235	15.500
15.0	4.5	2350.3	0716.3	8.4	7.9	9.9	235	15.500
20.0	6.0	2345.3	0714.8	8.2	7.9	10.0	235	15.500
25.0	7.6	2340.3	0713.3	8.2	7.9	10.0	235	15.500
30.0	9.1	2335.3	0711.8	8.0	7.9	10.0	235	15.500
40.0	12.1	2325.3	0708.7	8.0	7.9	10.2	235	16.000
50.0	15.2	2315.3	0705.7	7.8	7.9	10.3	235	17.500
60.0	18.2	2305.3	0702.6	7.4	7.9	10.4	240	16.000
70.0	21.3	2295.3	0699.6	7.0	7.9	10.5	240	13.000
80.0	24.3	2285.3	0696.5	6.2	7.9	10.7	245	7.400
90.0	27.4	2275.3	0693.5	6.2	7.9	10.8	245	5.600
100.0	30.4	2265.3	0690.4	6.2	7.9	10.8	245	5.000
112.0	34.1	2253.3	0686.8	6.0	7.9	11.0	245	4.800
122.0	37.1	2243.3	0683.7	6.0	7.8	11.0	245	4.400

WATER QUALITY SAMPLING DATE: 30 NOV 73

0.1	0.0	2364.4	0720.6	7.0	8.0	9.8	225	
1.0	0.3	2363.5	0720.4	7.0	8.0	9.8	225	34.000
2.0	0.6	2362.5	0720.1	7.0	8.0	9.8	225	34.000
5.0	1.5	2359.5	0719.2	7.0	8.0	9.8	225	34.000
10.0	3.0	2354.5	0717.6	7.0	8.0	9.8	225	32.000
15.0	4.5	2349.5	0716.1	6.9	8.0	9.8	225	31.000
20.0	6.0	2344.5	0714.6	6.7	8.0	9.9	230	29.000
30.0	9.1	2334.5	0711.5	6.5	8.0	9.9	230	26.000
40.0	12.1	2324.5	0708.5	5.9	8.0	10.0	230	21.000
50.0	15.2	2314.5	0705.4	5.8	8.0	10.0	230	18.000
60.0	18.2	2304.5	0702.4	5.0	8.0	10.0	225	12.000
70.0	21.3	2294.5	0699.3	4.8	8.0	10.0	225	10.000
80.0	24.3	2284.5	0696.3	4.8	8.0	10.0	225	7.800
90.0	27.4	2274.5	0693.2	4.8	8.0	10.0	225	7.800
100.0	30.4	2264.5	0690.2	4.8	8.0	10.0	225	7.600
110.0	33.5	2254.5	0687.1	4.8	8.0	10.0	225	7.400
120.0	36.5	2244.5	0684.1	4.8	8.0	10.0	225	7.400

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 04 DEC 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2365.0	0720.8	6.5	8.0	9.9	230	
1.0	0.3	2364.1	0720.5	6.5	8.0	9.9	230	30.000
2.0	0.6	2363.1	0720.2	6.5	8.0	9.9	230	30.000
5.0	1.5	2360.1	0719.3	6.5	8.0	10.1	230	30.000
10.0	3.0	2355.1	0717.8	6.4	8.0	10.1	230	30.000
15.0	4.5	2350.1	0716.3	6.4	8.0	10.1	230	30.000
20.0	6.0	2345.1	0714.8	6.1	8.0	10.1	230	28.000
30.0	9.1	2335.1	0711.7	6.0	8.0	10.1	225	23.000
40.0	12.1	2325.1	0708.7	5.8	8.0	10.1	225	21.000
50.0	15.2	2315.1	0705.6	5.7	8.0	10.1	225	19.000
60.0	18.2	2305.1	0702.6	5.5	8.0	10.2	225	17.000
70.0	21.3	2295.1	0699.5	5.3	8.0	10.2	225	15.000
80.0	24.3	2285.1	0696.5	5.2	8.0	10.2	225	15.000
90.0	27.4	2275.1	0693.4	5.0	8.0	10.3	225	13.000
100.0	30.4	2265.1	0690.4	4.8	8.0	10.3	225	11.000
110.0	33.5	2255.1	0687.3	4.8	8.0	10.3	225	10.000
120.0	36.5	2245.1	0684.3	4.8	8.0	10.6	225	10.000

WATER QUALITY SAMPLING DATE: 24 APR 74

0.0	0.0	2305.7	0702.7	9.0	8.4	10.4	265	
1.0	0.3	2304.7	0702.4	9.0	8.4	10.4	265	0.002
2.0	0.6	2303.7	0702.1	9.0	8.4	10.4	265	0.002
5.0	1.5	2300.7	0701.2	9.0	8.4	10.4	265	0.001
10.0	3.0	2295.7	0699.7	8.8	8.4	10.4	265	0.001
15.0	4.5	2290.7	0698.2	8.8	8.4	10.3	265	0.001
20.0	6.0	2285.7	0696.6	8.0	8.4	10.0	265	0.001
25.0	7.6	2280.7	0695.1	7.9	8.4	10.0	265	0.000
30.0	9.1	2275.7	0693.6	7.8	8.4	10.1	265	0.000
35.0	10.6	2270.7	0692.1	7.8	8.4	10.1	265	0.000
40.0	12.1	2265.7	0690.5	7.8	8.4	10.2	265	0.000
45.0	13.7	2260.7	0689.0	7.8	8.4	10.2	265	0.000
52.0	15.4	2253.7	0686.9	7.8	8.4	10.3	265	0.000
62.0	18.2	2243.7	0683.8	7.8	9.4	10.3	265	0.000

WATER QUALITY SAMPLING DATE: 03 MAY 74

0.0	0.0	2307.0	0703.1	7.8	8.3	10.7	210	
1.0	0.3	2306.0	0702.8	7.8	8.3	10.7	210	0.000
2.0	0.6	2305.0	0702.5	7.8	8.3	10.7	210	0.000
5.0	1.5	2302.0	0701.6	7.8	8.3	10.7	210	0.000
10.0	3.0	2297.0	0700.1	7.8	8.3	10.7	210	0.000
15.0	4.5	2292.0	0698.6	7.8	8.3	10.6	210	0.000
20.0	6.0	2287.0	0697.0	7.8	8.3	10.6	210	0.000
30.0	9.1	2277.0	0694.0	7.8	8.3	10.6	210	0.000
40.0	12.1	2267.0	0690.9	7.8	8.3	10.6	210	0.000
50.0	15.2	2257.0	0687.9	7.8	8.3	10.6	210	0.000
57.0	17.3	2250.0	0685.8	7.8	8.3	10.6	210	0.000
67.0	20.4	2240.0	0682.7	7.8	8.3	10.6	210	0.000

WATER QUALITY SAMPLING DATE: 09 MAY 74

0.0	0.0	2314.2	0705.3	8.9	8.2	10.5	200	
1.0	0.3	2313.2	0705.0	8.9	8.2	10.4	200	0.000
2.0	0.6	2312.2	0704.7	8.9	8.2	10.4	200	0.000
5.0	1.5	2309.2	0703.8	8.9	8.2	10.4	200	0.000
10.0	3.0	2304.2	0702.3	8.9	8.2	10.4	200	0.000
15.0	4.5	2299.2	0700.8	8.9	8.1	10.3	200	0.000
20.0	6.0	2294.2	0699.2	8.9	8.1	10.3	200	0.000
30.0	9.1	2284.2	0696.2	8.9	8.1	10.3	200	0.000
40.0	12.1	2274.2	0693.1	8.9	8.1	10.3	200	0.000
50.0	15.2	2264.2	0690.1	8.9	8.1	10.3	190	0.000
60.0	18.2	2254.2	0687.1	8.9	8.1	10.3	190	0.000
70.0	21.3	2244.2	0684.0	8.9	8.1	10.3	190	0.000

WATER QUALITY SAMPLING DATE: 17 MAY 74

0.0	0.0	2327.3	0709.3	7.4	8.1	10.6	195	
1.0	0.3	2326.3	0709.0	7.4	8.1	10.6	195	0.000
2.0	0.6	2325.3	0708.7	7.4	8.1	10.6	195	0.000
5.0	1.5	2322.3	0707.8	7.4	8.1	10.6	195	0.000
10.0	3.0	2317.3	0706.3	7.4	8.1	10.6	195	0.000
15.0	4.5	2312.3	0704.7	7.4	8.0	10.6	195	0.000
20.0	6.0	2307.3	0703.2	7.4	8.0	10.6	195	0.000
30.0	9.1	2297.3	0700.2	7.4	8.0	10.6	195	0.000
40.0	12.1	2287.3	0697.1	7.4	8.2	10.6	195	0.000
50.0	15.2	2277.3	0694.1	7.4	8.2	10.6	195	0.000
60.0	18.2	2267.3	0691.0	7.4	8.2	10.6	195	0.000
72.0	21.6	2255.3	0687.4	7.2	8.2	10.6	200	0.000
82.0	24.0	2245.3	0684.3	7.2	8.2	10.6	200	0.000

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 22 MAY 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2328.3	0709.6	7.7	8.2	10.6	210	
1.0	0.3	2327.3	0709.3	7.7	8.2	10.6	210	0.004
2.0	0.6	2326.3	0709.0	7.7	8.2	10.6	210	0.004
5.0	1.5	2323.3	0708.1	7.7	8.2	10.6	210	0.002
10.0	3.0	2318.3	0706.6	7.6	8.2	10.6	210	0.002
15.0	4.5	2313.3	0705.0	7.6	8.2	10.8	210	0.002
20.0	6.0	2308.3	0703.5	7.6	8.2	10.8	210	0.001
25.0	7.6	2303.3	0702.0	7.5	8.2	10.8	210	0.001
30.0	9.1	2298.3	0700.5	7.5	8.2	10.8	210	0.001
35.0	10.6	2293.3	0699.0	7.5	8.2	10.9	210	0.001
40.0	12.1	2288.3	0697.4	7.5	8.2	10.8	210	0.001
45.0	13.7	2283.3	0695.9	7.5	8.2	10.8	210	0.002
50.0	15.2	2278.3	0694.4	7.5	8.2	10.8	210	0.002
55.0	16.7	2273.3	0692.9	7.5	8.2	10.8	210	0.002
60.0	18.2	2268.3	0691.3	7.5	8.2	10.8	210	0.002
65.0	19.8	2263.3	0689.8	7.5	8.2	11.0	210	0.002
70.0	21.3	2258.3	0688.3	7.5	8.2	10.8	210	0.002
76.0	23.1	2252.3	0686.5	7.5	8.2	10.6	210	0.004
86.0	26.2	2242.3	0683.4	7.3	8.2	10.6	210	0.002

WATER QUALITY SAMPLING DATE: 30 MAY 74

0.0	0.0	2341.4	0713.6	10.8	8.4	10.4	210	
1.0	0.3	2340.4	0713.3	10.8	8.4	10.4	210	0.000
2.0	0.6	2339.4	0713.0	10.8	8.4	10.4	210	0.000
5.0	1.5	2336.4	0712.1	10.6	8.4	10.4	215	0.000
10.0	3.0	2331.4	0710.6	10.5	8.4	10.4	215	0.000
15.0	4.5	2326.4	0709.0	10.4	8.4	10.2	205	0.000
20.0	6.0	2321.4	0707.5	10.2	8.4	10.3	210	0.000
25.0	7.6	2316.4	0706.0	9.6	8.3	10.3	195	0.000
30.0	9.1	2311.4	0704.5	9.6	8.3	10.5	195	0.000
40.0	12.1	2301.4	0701.4	9.5	8.3	10.5	190	0.000
50.0	15.2	2291.4	0698.4	9.5	8.3	10.7	190	0.000
60.0	18.2	2281.4	0695.3	9.4	8.3	10.5	190	0.000
70.0	21.3	2271.4	0692.3	9.2	8.3	10.5	185	0.000
80.0	24.3	2261.4	0689.2	9.2	8.3	10.5	185	0.000
90.0	27.4	2251.4	0686.2	9.2	8.3	10.7	185	0.000
100.0	30.4	2241.4	0683.1	9.2	8.3	10.7	185	0.000

WATER QUALITY SAMPLING DATE: 11 JUN 74

0.0	0.0	2366.7	0721.3	10.7	8.3	10.1	185	
1.0	0.3	2365.7	0721.0	10.7	8.3	9.9	185	0.007
2.0	0.6	2364.7	0720.7	10.7	8.3	10.0	185	0.004
5.0	1.5	2361.7	0719.8	10.7	8.3	10.0	185	0.002
10.0	3.0	2356.7	0718.3	10.5	8.3	10.0	185	0.001
15.0	4.5	2351.7	0716.8	10.4	8.3	10.0	185	0.001
20.0	6.0	2346.7	0715.3	10.3	8.3	10.0	185	0.000
30.0	9.1	2336.7	0712.2	10.1	8.3	10.4	180	0.000
40.0	12.1	2326.7	0709.2	10.0	8.3	10.2	180	0.000
50.0	15.2	2316.7	0706.1	9.7	8.3	10.2	175	0.000
60.0	18.2	2306.7	0703.1	9.5	8.3	10.4	175	0.000
70.0	21.3	2296.7	0700.0	9.1	8.3	10.4	170	0.000
80.0	24.3	2286.7	0697.0	8.9	8.3	11.0	170	0.000
90.0	27.4	2276.7	0693.9	8.9	8.3	10.8	170	0.000
100.0	30.4	2266.7	0690.9	8.8	8.3	10.8	170	0.000
110.0	33.5	2256.7	0687.8	8.8	8.3	10.7	170	0.000
113.0	34.4	2253.7	0686.9	8.8	8.3	10.5	170	0.000
123.0	37.4	2243.7	0683.9	8.8	8.3	10.4	165	0.000

TABLE 15. STATION NO. 12301600, LAKE KNOXANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 10 JUL 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2446.7	0745.7	15.0	8.2	8.9	170	
0.3	0.0	2446.4	0745.6	15.0	8.2	8.9	170	
1.0	0.3	2445.7	0745.4	15.0	8.2	8.9	170	0.330
2.0	0.6	2444.7	0745.1	15.0	8.2	8.9	170	0.330
3.6	1.0	2443.1	0744.6	14.9	8.2	8.9	170	0.280
5.0	1.5	2441.7	0744.2	14.7	8.2	8.9	170	0.190
10.0	3.0	2436.7	0742.7	14.3	8.2	9.0	170	0.020
15.0	4.5	2431.7	0741.1	14.1	8.2	9.0	170	0.007
20.0	6.0	2426.7	0739.6	13.7	8.2	9.0	165	0.002
25.0	7.6	2421.7	0738.1	13.1	8.2	9.0	160	0.000
30.0	9.1	2416.7	0736.6	12.3	8.2	9.2	160	0.000
40.0	12.1	2406.7	0733.5	11.8	8.2	9.5	160	0.000
50.0	15.2	2396.7	0730.5	11.0	8.2	9.6	160	0.000
60.0	18.2	2386.7	0727.4	11.0	8.2	9.6	160	0.000
70.0	21.3	2376.7	0724.4	10.9	8.2	9.6	150	0.000
80.0	24.3	2366.7	0721.3	10.8	8.2	9.6	150	0.000
90.0	27.4	2356.7	0718.3	10.7	8.1	9.6	155	0.000
100.0	30.4	2346.7	0715.2	10.6	8.0	9.6	155	0.000
110.0	33.5	2336.7	0712.2	10.3	7.9	9.6	155	0.000
120.0	36.5	2326.7	0709.1	10.2	7.9	9.6	155	0.000
130.0	39.6	2316.7	0706.1	10.0	7.9	9.6	155	0.000
140.0	42.6	2306.7	0703.0	10.0	7.9	9.6	155	0.000
150.0	45.7	2296.7	0700.0	9.8	7.9	9.6	155	0.000
165.0	50.2	2281.7	0695.4	9.4	7.9	9.6	165	0.000
180.0	54.8	2266.7	0690.8	9.3	7.9	9.5	165	0.000
195.0	59.4	2251.7	0686.3	9.3	7.9	9.2	165	0.000
205.0	62.4	2241.7	0683.2	9.3	7.9	8.9	165	0.000

WATER QUALITY SAMPLING DATE: 24 JUL 74

0.0	0.0	2458.8	0749.4	17.8	8.4	8.9	175	16.000
1.0	0.3	2457.8	0749.1	17.8	8.4	8.9	175	16.000
2.9	0.8	2455.9	0748.5	17.8	8.4	8.9	175	14.000
5.0	1.5	2453.8	0747.9	17.6	8.4	8.9	175	14.000
10.0	3.0	2448.8	0746.4	17.4	8.4	8.9	175	11.000
15.0	4.5	2443.8	0744.8	17.0	8.4	9.3	165	6.800
17.1	5.2	2441.7	0744.2	16.8	8.4	9.2	165	5.800
20.0	6.0	2438.8	0743.3	16.3	8.4	9.0	165	4.500
25.0	7.6	2433.8	0741.8	15.4	8.4	9.0	165	2.300
30.0	9.1	2428.8	0740.3	14.4	8.3	9.0	160	0.460
35.0	10.6	2423.8	0738.7	13.4	8.2	9.0	165	0.160
40.0	12.1	2418.8	0737.2	12.8	8.2	9.0	165	0.030
45.0	13.7	2413.8	0735.7	12.6	8.2	9.1	165	0.004
50.0	15.2	2408.8	0734.2	12.4	8.2	9.1	165	0.001
60.0	18.2	2398.8	0731.1	12.2	8.2	9.2	160	0.000
70.0	21.3	2388.8	0728.1	11.8	8.2	9.4	160	0.000
80.0	24.3	2378.8	0725.0	11.2	8.2	9.4	160	0.000
90.0	27.4	2368.8	0722.0	11.2	8.2	9.5	160	0.000
100.0	30.4	2358.8	0718.9	11.2	8.1	9.5	160	0.000
110.0	33.5	2348.8	0715.9	11.0	8.0	9.6	160	0.000
120.0	36.5	2338.8	0712.8	11.0	7.8	9.6	160	0.000
130.0	39.6	2328.8	0709.8	11.0	7.8	9.5	160	0.000
140.0	42.6	2318.8	0706.7	10.8	7.8	9.4	160	0.000
155.0	47.2	2303.8	0702.2	10.2	7.8	9.4	160	0.000
170.0	51.8	2288.8	0697.6	10.0	7.8	9.3	160	0.000
185.0	56.3	2273.8	0693.0	10.0	7.8	9.0	160	0.000
201.0	61.2	2257.8	0688.1	10.0	7.8	8.8	160	0.000
211.0	64.3	2247.8	0685.1	10.0	8.0	8.6	160	0.000

TABLE 15. STATION NO. 12301600, LAKE KOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 07 AUG 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.3	0749.3	19.0	8.5	8.7	170	
1.0	0.3	2457.3	0749.0	19.0	8.5	8.7	170	33.000
2.0	0.6	2456.3	0748.7	19.0	8.5	8.7	170	33.000
5.0	1.5	2453.3	0747.7	18.8	8.4	8.7	170	30.000
10.0	3.0	2448.3	0746.2	18.8	8.4	8.7	170	28.000
15.0	4.5	2443.3	0744.7	18.6	8.4	8.5	170	25.000
20.0	6.0	2438.3	0743.2	18.0	8.4	9.0	170	24.000
26.0	7.9	2432.3	0741.3	17.6	8.4	8.9	170	17.000
30.0	9.1	2428.3	0740.1	15.6	8.4	8.7	170	11.000
40.0	12.1	2418.3	0737.1	12.8	8.2	8.8	165	2.300
50.0	15.2	2408.3	0734.0	12.4	8.2	9.0	165	0.390
60.0	18.2	2398.3	0731.0	12.2	8.2	9.0	165	0.330
70.0	21.3	2388.3	0727.9	11.8	8.2	9.2	165	0.330
80.0	24.3	2378.3	0724.9	11.6	8.2	9.3	165	0.280
90.0	27.4	2368.3	0721.8	11.4	8.1	9.4	165	0.160
100.0	30.4	2358.3	0718.8	11.2	8.0	9.4	160	0.130
110.0	33.5	2348.3	0715.7	11.0	8.0	9.4	160	0.080
120.0	36.5	2338.3	0712.7	11.0	8.0	9.4	160	0.040
130.0	39.6	2328.3	0709.6	11.0	8.0	9.4	160	0.030
140.0	42.6	2318.3	0706.6	10.8	8.0	9.4	160	0.010
150.0	45.7	2308.3	0703.5	10.6	8.0	9.4	160	0.004
165.0	50.2	2293.3	0699.0	10.2	8.0	9.2	160	0.001
180.0	54.8	2278.3	0694.4	10.0	8.0	8.7	160	0.000
195.0	59.4	2263.3	0689.8	10.0	8.1	8.6	160	0.000
203.0	61.8	2255.3	0687.4	10.0	8.2	8.5	160	0.000
213.0	64.9	2245.3	0684.3	10.0	8.2	8.4	160	0.000

WATER QUALITY SAMPLING DATE: 21 AUG 74

0.0	0.0	2458.9	0749.4	16.8	8.3	8.5	150	
1.0	0.3	2457.9	0749.1	16.8	8.3	8.4	150	35.000
2.5	0.7	2456.4	0748.7	16.7	8.3	8.4	150	35.000
5.0	1.5	2453.9	0747.9	16.6	8.3	8.4	150	35.000
10.0	3.0	2448.9	0746.4	16.6	8.3	8.4	150	35.000
15.0	4.5	2443.9	0744.9	16.6	8.3	8.4	150	35.000
20.0	6.0	2438.9	0743.3	16.5	8.3	8.4	150	35.000
25.2	7.6	2433.7	0741.7	16.5	8.3	8.4	150	35.000
30.0	9.1	2428.9	0740.3	16.2	8.3	8.4	150	35.000
35.2	10.7	2423.7	0738.7	16.0	8.3	8.2	150	30.000
40.0	12.1	2418.9	0737.2	15.1	8.2	7.8	150	23.000
45.0	13.7	2413.9	0735.7	14.6	8.1	7.7	150	18.000
50.0	15.2	2408.9	0734.2	14.1	8.1	7.8	150	17.000
60.0	18.2	2398.9	0731.1	13.3	8.1	7.9	145	11.000
70.0	21.3	2388.9	0728.1	12.8	8.1	8.2	145	5.300
80.0	24.3	2378.9	0725.0	12.2	8.2	8.3	145	3.800
90.0	27.4	2368.9	0722.0	11.8	8.2	8.5	145	0.810
100.0	30.4	2358.9	0718.9	11.7	8.2	8.6	145	0.710
110.0	33.5	2348.9	0715.9	11.4	8.2	8.6	145	0.620
120.0	36.5	2338.9	0712.9	11.2	8.2	8.6	145	0.390
130.0	39.6	2328.9	0709.8	11.1	8.2	8.6	140	0.230
140.0	42.6	2318.9	0706.8	10.9	8.2	8.7	140	0.080
150.0	45.7	2308.9	0703.7	10.5	8.1	8.5	140	0.007
165.0	50.2	2293.9	0699.1	10.3	8.1	8.2	140	0.002
180.0	54.8	2278.9	0694.6	10.2	8.1	8.1	140	0.001
195.0	59.4	2263.9	0690.0	10.2	8.1	8.0	140	0.001
208.0	63.3	2250.9	0686.0	10.2	8.1	8.0	140	0.001
218.0	66.4	2240.9	0683.0	10.2	8.1	8.0	140	0.001

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 05 SEP 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.1	0749.2	17.5	8.1	8.3	175	
1.0	0.3	2457.1	0748.9	17.5	8.1	8.2	175	52.000
2.0	0.6	2456.1	0748.6	17.5	8.1	8.4	175	52.000
5.0	1.5	2453.1	0747.7	17.5	8.1	8.4	175	52.000
10.0	3.0	2448.1	0746.2	17.5	8.1	8.5	175	52.000
15.0	4.5	2443.1	0744.6	17.3	8.1	8.4	175	52.000
20.0	6.0	2438.1	0743.1	17.2	8.1	8.2	170	52.000
25.0	7.6	2433.1	0741.6	17.0	8.0	8.2	170	52.000
30.0	9.1	2428.1	0740.1	17.0	8.0	8.2	170	52.000
35.0	10.6	2423.1	0738.5	17.0	8.0	8.1	170	52.000
40.0	12.1	2418.1	0737.0	16.7	8.0	8.1	175	52.000
45.0	13.7	2413.1	0735.5	15.8	7.9	7.8	105	41.000
50.0	15.2	2408.1	0734.0	14.2	7.8	7.6	175	32.000
60.0	18.2	2398.1	0730.9	13.3	7.8	7.6	165	25.000
70.0	21.3	2388.1	0727.9	12.9	7.8	7.7	165	21.000
80.0	24.3	2378.1	0724.8	12.0	7.9	8.1	160	21.000
90.0	27.4	2368.1	0721.8	11.9	7.9	8.4	160	7.300
100.0	30.4	2358.1	0718.7	11.7	7.9	8.4	160	6.300
110.0	33.5	2348.1	0715.7	11.1	7.9	8.9	160	1.900
120.0	36.5	2338.1	0712.6	11.1	7.9	8.8	160	1.300
130.0	39.6	2328.1	0709.6	11.0	7.9	8.5	160	0.620
140.0	42.6	2318.1	0706.5	10.9	7.9	8.4	160	0.330
150.0	45.7	2308.1	0703.5	10.8	7.8	8.2	160	0.190
160.0	48.7	2298.1	0700.4	10.7	7.8	7.9	160	0.080
175.0	53.3	2283.1	0695.9	10.2	7.8	7.5	160	0.020
190.0	57.9	2268.1	0691.3	10.2	7.8	7.4	160	0.007
202.0	61.5	2258.1	0687.6	10.2	7.8	7.4	160	0.007
212.0	64.6	2246.1	0684.6	10.2	7.8	7.2	160	0.007

WATER QUALITY SAMPLING DATE: 18 SEP 74

0.0	0.0	2457.8	0749.1	15.9	8.3	8.8	175	
1.2	0.3	2456.6	0748.7	15.9	8.3	8.8	175	37.000
2.0	0.6	2455.8	0748.5	15.8	8.3	8.8	175	37.000
5.0	1.5	2452.8	0747.6	15.8	8.3	8.8	175	37.000
10.0	3.0	2447.8	0746.1	15.8	8.3	8.8	175	37.000
15.0	4.5	2442.8	0744.5	15.7	8.3	8.7	175	37.000
20.0	6.0	2437.8	0743.0	15.7	8.3	8.7	175	37.000
25.0	7.6	2432.8	0741.5	15.7	8.3	8.7	175	37.000
30.0	9.1	2427.8	0740.0	15.7	8.3	8.8	175	37.000
34.0	10.3	2423.8	0738.7	15.5	8.3	8.6	175	37.000
40.0	12.1	2417.8	0736.9	15.4	8.3	8.6	175	37.000
45.0	13.7	2412.8	0735.4	15.3	8.2	8.6	105	35.000
50.0	15.2	2407.8	0733.9	15.0	8.2	8.5	185	33.000
55.0	16.7	2402.8	0732.3	14.4	8.1	8.2	185	30.000
60.0	18.2	2397.8	0730.8	13.6	8.0	7.8	195	24.000
70.0	21.3	2387.8	0727.8	12.7	8.0	7.5	185	19.000
80.0	24.3	2377.8	0724.7	12.0	8.0	8.0	175	14.000
90.0	27.4	2367.8	0721.7	11.2	8.0	8.6	165	4.100
100.0	30.4	2357.8	0718.6	11.0	8.0	8.6	165	2.600
110.0	33.5	2347.8	0715.6	11.0	8.0	8.6	160	2.100
120.0	36.5	2337.8	0712.5	10.9	8.0	8.4	160	1.200
130.0	39.6	2327.8	0709.5	10.6	8.0	8.1	160	0.710
140.0	42.6	2317.8	0706.4	10.4	8.0	7.8	160	0.330
150.0	45.7	2307.8	0703.4	10.3	8.0	7.8	160	0.160
165.0	50.2	2292.8	0698.8	10.3	8.0	7.6	160	0.100
180.0	54.8	2277.8	0694.2	10.2	8.0	7.5	160	0.080
196.0	59.7	2261.8	0689.4	10.1	8.0	7.3	160	0.070
206.0	62.7	2251.8	0686.3	10.1	8.0	7.2	160	0.070

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 01 OCT 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2452.9	0747.6	13.9	8.1	8.9	180	
1.0	0.3	2451.9	0747.3	13.9	8.1	8.9	180	21.000
2.0	0.6	2450.9	0747.0	13.9	8.1	8.8	180	21.000
5.0	1.5	2447.9	0746.1	14.0	8.1	8.7	180	21.000
10.0	3.0	2442.9	0744.5	14.0	8.1	8.7	180	21.000
15.0	4.5	2437.9	0743.0	14.0	8.1	8.7	180	21.000
20.0	6.0	2432.9	0741.5	14.0	8.1	8.7	180	21.000
25.0	7.6	2427.9	0740.0	14.0	8.1	8.7	180	21.000
30.0	9.1	2422.9	0738.4	14.0	8.1	8.8	180	21.000
40.0	12.1	2412.9	0735.4	14.0	8.1	8.8	180	21.000
50.0	15.2	2402.9	0732.4	14.0	8.1	8.8	190	21.000
60.0	18.2	2392.9	0729.3	13.9	8.1	8.8	190	21.000
70.0	21.3	2382.9	0726.3	13.6	8.0	8.1	195	20.000
80.0	24.3	2372.9	0723.2	13.0	7.9	7.5	200	4.500
90.0	27.4	2362.9	0720.2	12.0	8.0	7.8	180	0.530
100.0	30.4	2352.9	0717.1	11.8	8.0	8.0	170	0.330
110.0	33.5	2342.9	0714.1	11.3	8.0	8.3	170	1.900
120.0	36.5	2332.9	0711.0	11.2	8.0	8.3	165	1.900
130.0	39.6	2322.9	0708.0	10.9	7.9	7.9	160	1.900
140.0	42.6	2312.9	0704.9	10.6	7.9	7.7	160	0.810
150.0	45.7	2302.9	0701.9	10.3	7.9	7.4	160	0.460
165.0	50.2	2287.9	0697.3	10.2	7.9	7.2	170	0.160
180.0	54.8	2272.9	0692.7	10.2	7.8	7.1	170	0.070
194.0	59.1	2258.9	0688.5	10.2	7.8	7.1	170	0.070
204.0	62.1	2248.9	0685.4	10.2	7.8	7.0	170	0.070

WATER QUALITY SAMPLING DATE: 16 OCT 74

0.0	0.0	2440.8	0743.9	12.0	8.0	8.5	195	
1.0	0.3	2439.8	0743.6	12.0	8.0	8.5	195	18.000
2.5	0.7	2438.3	0743.2	12.0	8.0	8.5	195	18.000
5.0	1.5	2435.8	0742.4	12.0	8.0	8.5	195	18.000
10.0	3.0	2430.8	0740.9	12.0	8.0	8.4	195	18.000
15.0	4.5	2425.8	0739.3	12.0	8.0	8.5	195	18.000
19.0	5.7	2421.8	0738.1	12.0	8.0	8.6	195	18.000
25.0	7.6	2415.8	0736.3	12.0	8.0	8.7	195	18.000
30.0	9.1	2410.8	0734.8	12.0	8.0	8.6	195	17.000
40.0	12.1	2400.8	0731.7	12.0	8.0	8.4	195	16.000
50.0	15.2	2390.8	0728.7	12.0	8.0	8.7	195	16.000
60.0	18.2	2380.8	0725.6	12.0	8.0	8.4	195	17.000
70.0	21.3	2370.8	0722.6	12.0	8.0	8.4	195	20.000
80.0	24.3	2360.8	0719.5	12.0	8.0	8.3	195	17.000
90.0	27.4	2350.8	0716.5	11.8	8.0	8.2	190	14.000
100.0	30.4	2340.8	0713.4	11.8	8.0	8.2	190	14.000
110.0	33.5	2330.8	0710.4	11.6	7.9	7.8	190	11.000
120.0	36.5	2320.8	0707.3	11.4	7.9	7.5	185	7.300
130.0	39.6	2310.8	0704.3	11.0	7.9	7.3	180	3.100
140.0	42.6	2300.8	0701.2	10.6	7.9	7.0	175	1.300
155.0	47.2	2285.8	0696.7	10.2	7.8	6.9	175	0.810
170.0	51.8	2270.8	0692.1	10.2	7.8	6.7	175	0.070
185.0	56.3	2255.8	0687.5	10.2	7.8	6.7	175	0.100
195.0	59.4	2245.8	0684.5	10.2	7.8	6.7	175	0.050

WATER QUALITY SAMPLING DATE: 30 OCT 74

0.0	0.0	2428.4	0740.2	11.4	8.0	9.0	210	
1.0	0.3	2427.4	0739.8	11.4	8.0	9.0	210	27.000
2.0	0.6	2426.4	0739.5	11.4	8.0	8.8	210	27.000
5.0	1.5	2423.4	0738.6	11.4	8.0	8.8	210	27.000
10.0	3.0	2418.4	0737.1	11.4	8.0	8.9	210	27.000
15.0	4.5	2413.4	0735.6	11.4	8.0	8.8	210	27.000
20.0	6.0	2408.4	0734.1	11.2	7.9	8.8	210	27.000
25.0	7.6	2403.4	0732.5	11.2	7.9	8.7	210	27.000
30.0	9.1	2398.4	0731.0	11.2	7.9	8.9	210	27.000
35.0	10.6	2393.4	0729.5	11.2	7.9	8.9	210	27.000
40.0	12.1	2388.4	0728.0	11.2	7.9	8.7	210	27.000
50.0	15.2	2378.4	0724.9	11.2	7.9	8.7	210	27.000
60.0	18.2	2368.4	0721.9	11.2	7.9	8.8	210	27.000
70.0	21.3	2358.4	0718.8	11.2	7.9	8.7	210	25.000
80.0	24.3	2348.4	0715.8	11.2	7.9	8.6	210	25.000
90.0	27.4	2338.4	0712.7	11.0	7.8	7.3	225	19.000
100.0	30.4	2328.4	0709.7	11.0	7.8	7.5	225	13.000
110.0	33.5	2318.4	0706.6	10.8	7.8	7.6	230	13.000
125.0	38.1	2303.4	0702.1	10.6	7.9	7.9	235	8.500
140.0	42.6	2288.4	0697.5	10.5	7.9	7.9	235	1.300
155.0	47.2	2273.4	0692.9	10.5	7.9	7.8	235	0.810
167.0	50.9	2261.4	0689.3	10.5	7.9	7.8	235	1.100
177.0	53.9	2251.4	0686.2	10.5	7.9	7.8	235	0.710

TABLE 15. STATION NO. 12301600, LAKE KNOCKANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 07 MAY 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2287.4	0697.2	7.6	8.3	10.0	350	
1.0	0.3	2286.4	0696.9	7.6	8.3	10.0	350	0.000
2.0	0.6	2285.4	0696.6	7.6	8.3	10.0	350	0.000
5.0	1.5	2282.4	0695.6	7.6	8.3	10.0	350	0.000
10.0	3.0	2277.4	0694.1	7.6	8.3	10.0	350	0.000
15.0	4.5	2272.4	0692.6	7.6	8.3	10.0	350	0.000
20.0	6.0	2267.4	0691.1	7.6	8.3	10.0	350	0.000
25.0	7.6	2262.4	0689.5	7.4	8.2	10.0	350	0.000
33.0	10.0	2254.4	0687.1	7.4	8.2	10.0	345	0.000
43.0	13.1	2244.4	0684.1	7.4	8.2	10.0	345	0.000

WATER QUALITY SAMPLING DATE: 22 MAY 75

0.0	0.0	2316.6	0706.1	7.8	8.2	10.6	200	
1.0	0.3	2315.6	0705.8	7.8	8.2	10.6	200	0.000
2.0	0.6	2314.6	0705.4	7.8	8.2	10.6	200	0.000
5.0	1.5	2311.6	0704.5	7.8	8.2	10.6	200	0.000
10.0	3.0	2306.6	0703.0	7.8	8.2	10.6	200	0.000
15.0	4.5	2301.6	0701.5	7.8	8.2	10.6	200	0.000
20.0	6.0	2296.6	0700.0	7.8	8.2	10.5	200	0.000
25.0	7.6	2291.6	0698.4	7.8	8.2	10.5	200	0.000
30.0	9.1	2286.6	0696.9	7.5	8.2	10.5	200	0.000
35.0	10.6	2281.6	0695.4	7.3	8.2	10.5	200	0.000
40.0	12.1	2276.6	0693.9	7.3	8.2	10.5	200	0.000
45.0	13.7	2271.6	0692.3	7.3	8.2	10.5	200	0.000
50.0	15.2	2266.6	0690.8	7.1	8.2	10.5	200	0.000
55.0	16.7	2261.6	0689.3	7.1	8.2	10.5	200	0.000
65.0	19.8	2251.6	0686.2	7.1	8.2	10.5	200	0.000

WATER QUALITY SAMPLING DATE: 05 JUN 75

0.0	0.0	2347.4	0715.4	10.2	8.2	10.4	215	
1.0	0.3	2346.4	0715.1	10.2	8.2	10.4	215	0.000
2.0	0.6	2345.4	0714.8	10.2	8.2	10.4	215	0.000
5.0	1.5	2342.4	0713.9	10.2	8.2	10.4	215	0.000
10.0	3.0	2337.4	0712.4	10.0	8.2	10.4	210	0.000
15.0	4.5	2332.4	0710.9	10.0	8.2	10.4	210	0.000
25.0	7.6	2322.4	0707.8	10.0	8.2	10.4	210	0.000
35.0	10.6	2312.4	0704.8	9.8	8.2	10.4	210	0.000
45.0	13.7	2302.4	0701.7	9.8	8.2	10.4	200	0.000
55.0	16.7	2292.4	0698.7	9.8	8.2	10.4	195	0.000
65.0	19.8	2282.4	0695.6	9.6	8.2	10.4	195	0.000
75.0	22.8	2272.4	0692.6	9.4	8.2	10.4	195	0.000
85.0	25.9	2262.4	0689.5	9.4	8.2	10.3	195	0.000
95.0	28.9	2252.4	0686.5	9.4	8.2	10.3	195	0.000
105.0	32.0	2242.4	0683.4	9.2	8.2	10.3	205	0.000

WATER QUALITY SAMPLING DATE: 26 JUN 75

0.0	0.0	2403.4	0732.5	11.9	8.0	9.8	200	
1.0	0.3	2402.4	0732.2	11.9	8.0	9.8	200	1.700
2.0	0.6	2401.4	0731.9	11.9	8.0	9.8	200	1.700
5.0	1.5	2398.4	0731.0	11.9	8.0	9.9	200	1.500
10.0	3.0	2393.4	0729.5	11.8	8.0	9.9	200	1.100
15.0	4.5	2388.4	0727.9	11.6	8.0	9.9	200	0.710
20.0	6.0	2383.4	0726.4	11.2	8.0	9.9	200	0.330
30.0	9.1	2373.4	0723.4	11.2	8.0	9.9	200	0.160
40.0	12.1	2363.4	0720.3	11.1	8.0	9.9	200	0.080
50.0	15.2	2353.4	0717.3	11.0	8.0	9.9	200	0.020
60.0	18.2	2343.4	0714.2	10.8	8.0	10.0	195	0.000
70.0	21.3	2333.4	0711.2	10.8	8.0	10.1	190	0.000
80.0	24.3	2323.4	0708.1	9.9	8.0	10.1	190	0.000
90.0	27.4	2313.4	0705.1	9.8	8.0	10.1	190	0.000
100.0	30.4	2303.4	0702.0	9.5	8.0	10.1	190	0.000
110.0	33.5	2293.4	0699.0	9.5	8.0	10.2	190	0.000
120.0	36.5	2283.4	0695.9	9.5	8.0	10.3	190	0.000
130.0	39.6	2273.4	0692.9	9.5	8.0	10.3	190	0.000
137.0	41.7	2266.4	0690.8	9.5	8.0	10.3	190	0.000
147.0	44.8	2256.4	0687.7	9.5	8.0	10.3	190	0.000



TABLE 15. STATION NO. 12301600, LAKE KOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 15 JUL 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2431.9	0741.2	18.3	8.3	9.3	205	
1.0	0.3	2430.9	0740.9	18.3	8.3	9.3	205	20.000
2.0	0.6	2429.9	0740.6	18.3	8.3	9.3	205	20.000
5.0	1.5	2426.9	0739.7	18.2	8.3	9.3	210	20.000
10.0	3.0	2421.9	0738.2	18.0	8.3	9.3	210	18.000
15.0	4.5	2416.9	0736.6	17.6	8.3	9.1	210	11.000
20.0	6.0	2411.9	0735.1	16.3	8.3	9.1	205	4.100
25.0	7.6	2406.9	0733.6	14.7	8.3	9.2	200	0.620
30.0	9.1	2401.9	0732.1	13.1	8.3	9.5	200	0.160
40.0	12.1	2391.9	0729.0	12.7	8.3	9.7	205	0.080
50.0	15.2	2381.9	0726.0	12.2	8.3	9.8	210	0.390
60.0	18.2	2371.9	0722.9	11.5	8.3	9.9	5	0.810
70.0	21.3	2361.9	0719.9	11.5	8.3	10.1	195	0.390
80.0	24.3	2351.9	0716.8	10.5	8.3	10.2	195	0.100
95.0	28.9	2336.9	0712.2	10.0	8.3	10.2	190	0.007
110.0	33.5	2321.9	0707.7	9.7	8.3	10.2	190	0.004
125.0	38.1	2306.9	0703.1	9.4	8.3	10.2	190	0.004
140.0	42.6	2291.9	0698.5	9.2	8.3	10.2	190	0.010
155.0	47.2	2276.9	0694.0	9.2	8.3	10.2	190	0.010
168.0	51.2	2263.9	0690.0	9.2	8.3	10.2	190	0.010
178.0	54.2	2253.9	0687.0	9.2	8.3	10.1	190	0.010

WATER QUALITY SAMPLING DATE: 30 JUL 75

0.0	0.0	2441.6	0744.2	19.0	8.5	9.1	205	
1.0	0.3	2440.6	0743.9	19.0	8.5	9.1	205	20.000
2.0	0.6	2439.6	0743.6	19.0	8.5	9.2	205	20.000
5.0	1.5	2436.6	0742.6	19.0	8.5	9.2	205	20.000
10.0	3.0	2431.6	0741.1	18.8	8.5	9.0	205	21.000
15.0	4.5	2426.6	0739.6	18.6	8.5	8.9	200	21.000
20.0	6.0	2421.6	0738.1	18.4	8.4	9.0	200	23.000
25.0	7.6	2416.6	0736.5	18.0	8.4	9.2	200	18.000
30.0	9.1	2411.6	0735.0	17.6	8.4	9.0	200	24.000
35.0	10.6	2406.6	0733.5	16.8	8.3	8.7	200	24.000
40.0	12.1	2401.6	0732.0	16.0	8.2	8.6	200	25.000
45.0	13.7	2396.6	0730.4	15.4	8.2	8.6	200	18.000
50.0	15.2	2391.6	0728.9	14.6	8.2	8.6	200	9.800
55.0	16.7	2386.6	0727.4	13.8	8.2	8.7	200	5.300
60.0	18.2	2381.6	0725.9	13.2	8.2	8.9	200	3.400
65.0	19.8	2376.6	0724.4	13.0	8.2	9.0	200	1.900
70.0	21.3	2371.6	0722.8	11.6	8.1	9.4	190	1.300
80.0	24.3	2361.6	0719.8	11.2	8.1	9.4	190	1.500
90.0	27.4	2351.6	0716.7	10.8	8.1	9.6	190	1.300
105.0	32.0	2336.6	0712.2	10.2	8.1	9.6	190	0.810
120.0	36.5	2321.6	0707.6	9.8	8.1	9.6	190	0.330
135.0	41.1	2306.6	0703.0	9.2	8.0	9.4	190	0.100
150.0	45.7	2291.6	0698.4	9.0	8.0	9.3	190	0.080
165.0	50.2	2276.6	0693.9	9.0	8.0	8.8	190	0.100
180.0	54.8	2261.6	0689.3	9.0	7.9	8.6	200	0.100
190.0	57.9	2251.6	0686.3	9.0	7.9	8.3	200	0.160

WATER QUALITY SAMPLING DATE: 14 AUG 75

0.0	0.0	2447.8	0746.0	20.0	8.4	8.5	200	
1.0	0.3	2446.8	0745.7	20.0	8.4	8.5	200	48.000
2.0	0.6	2445.8	0745.4	20.0	8.4	8.5	200	48.000
5.0	1.5	2442.8	0744.5	20.0	8.4	8.6	200	48.000
10.0	3.0	2437.8	0743.0	20.0	8.3	8.6	200	45.000
15.0	4.5	2432.8	0741.5	19.5	8.2	8.7	205	45.000
20.0	6.0	2427.8	0740.0	19.0	8.2	8.7	205	41.000
25.0	7.6	2422.8	0738.4	18.0	8.2	8.6	205	48.000
30.0	9.1	2417.8	0736.9	17.5	8.2	8.5	205	48.000
35.0	10.6	2412.8	0735.4	17.0	8.2	8.4	205	41.000
40.0	12.1	2407.8	0733.9	16.6	8.2	8.3	210	41.000
45.0	13.7	2402.8	0732.3	14.3	8.1	8.1	215	19.000
50.0	15.2	2397.8	0730.8	13.7	7.9	8.3	210	15.000
55.0	16.7	2392.8	0729.3	13.4	7.9	8.5	210	14.000
60.0	18.2	2387.8	0727.8	12.4	7.9	8.8	195	14.000
70.0	21.3	2377.8	0724.7	11.8	7.9	8.9	190	16.000
80.0	24.3	2367.8	0721.7	11.0	7.9	9.1	190	17.000
90.0	27.4	2357.8	0718.6	10.7	7.9	9.2	195	15.000
100.0	30.4	2347.8	0715.6	10.4	7.9	9.2	195	14.000
110.0	33.5	2337.8	0712.5	10.3	7.9	9.2	195	12.000
125.0	38.1	2322.8	0707.9	9.9	7.9	9.1	195	11.000
140.0	42.6	2307.8	0703.4	9.7	7.8	8.7	195	6.800
155.0	47.2	2292.8	0698.8	9.5	7.8	8.4	195	4.100
170.0	51.8	2277.8	0694.2	9.5	7.8	8.1	195	3.100
186.0	56.6	2261.8	0689.4	9.5	7.8	7.8	205	3.100
196.0	59.7	2251.8	0686.3	9.4	7.8	7.8	205	3.100

TABLE 15. STATION NO. 12301600, LAKE KOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 28 AUG 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHUS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2451.8	0747.3	17.5	8.2	8.5	215	
1.0	0.3	2450.8	0747.0	17.5	8.2	8.5	215	35.000
2.0	0.6	2449.8	0746.7	17.5	8.2	8.5	215	35.000
5.0	1.5	2446.8	0745.7	17.5	8.2	8.5	215	35.000
10.0	3.0	2441.8	0744.2	17.5	8.2	8.5	215	33.000
20.0	6.0	2431.8	0741.2	17.2	8.2	8.4	220	35.000
30.0	9.1	2421.8	0738.1	16.9	8.1	8.3	220	28.000
40.0	12.1	2411.8	0735.1	16.5	8.1	8.1	220	21.000
50.0	15.2	2401.8	0732.0	15.5	8.0	7.9	220	21.000
60.0	18.2	2391.8	0729.0	13.4	7.9	8.3	215	21.000
70.0	21.3	2381.8	0725.9	12.6	7.9	8.6	205	25.000
80.0	24.3	2371.8	0722.9	11.8	7.9	8.7	200	25.000
90.0	27.4	2361.8	0719.8	11.4	7.9	8.8	200	25.000
100.0	30.4	2351.8	0716.8	11.1	7.9	8.9	200	25.000
110.0	33.5	2341.8	0713.7	10.7	7.9	8.9	200	25.000
120.0	36.5	2331.8	0710.7	10.2	7.8	8.8	200	25.000
130.0	39.6	2321.8	0707.6	10.0	7.9	8.7	200	21.000
140.0	42.6	2311.8	0704.6	9.8	7.9	8.5	200	18.000
155.0	47.2	2296.8	0700.0	9.7	7.9	8.2	205	15.000
170.0	51.8	2281.8	0695.5	9.6	7.8	8.1	205	13.000
185.0	56.3	2266.8	0690.9	9.3	7.9	7.8	205	11.000
200.0	60.9	2251.8	0686.3	9.1	7.8	7.4	210	9.200
210.0	64.0	2241.8	0683.3	9.1	7.7	7.4	210	2.800

WATER QUALITY SAMPLING DATE: 11 SEP 75

0.0	0.0	2455.0	0748.2	17.0	8.1	9.6	225	
1.0	0.3	2454.0	0747.9	17.0	8.1	9.6	225	33.000
2.0	0.6	2453.0	0747.6	17.0	8.1	9.7	225	30.000
5.0	1.5	2450.0	0746.7	17.0	8.1	9.6	225	30.000
10.0	3.0	2445.0	0745.2	16.8	8.1	9.5	225	32.000
15.0	4.5	2440.0	0743.7	16.6	8.1	9.4	225	35.000
20.0	6.0	2435.0	0742.1	16.4	8.1	9.3	225	37.000
25.0	7.6	2430.0	0740.6	16.4	8.1	9.2	225	37.000
30.0	9.1	2425.0	0739.1	16.2	8.1	9.1	230	37.000
35.0	10.6	2420.0	0737.6	15.8	8.0	8.8	230	35.000
40.0	12.1	2415.0	0736.0	15.8	8.0	8.7	225	39.000
50.0	15.2	2405.0	0733.0	15.4	8.0	8.7	225	37.000
60.0	18.2	2395.0	0729.9	15.0	8.0	8.5	230	32.000
70.0	21.3	2385.0	0726.9	13.6	7.9	8.2	245	39.000
80.0	24.3	2375.0	0723.9	13.0	7.9	8.2	240	37.000
90.0	27.4	2365.0	0720.8	12.4	7.9	8.4	220	30.000
100.0	30.4	2355.0	0717.8	11.6	7.9	8.8	205	28.000
110.0	33.5	2345.0	0714.7	10.8	7.9	9.0	200	27.000
120.0	36.5	2335.0	0711.7	10.4	7.9	8.8	200	23.000
135.0	41.1	2320.0	0707.1	10.0	7.9	8.7	200	23.000
150.0	45.7	2305.0	0702.5	9.8	7.9	8.4	200	20.000
165.0	50.2	2290.0	0697.9	9.6	7.9	8.1	205	16.000
180.0	54.8	2275.0	0693.4	9.6	7.9	8.0	205	11.000
195.0	59.4	2260.0	0688.8	9.4	7.9	7.7	315	17.000
205.0	62.9	2250.0	0685.8	9.4	7.9	7.7	215	17.000

WATER QUALITY SAMPLING DATE: 25 SEP 75

0.0	0.0	2453.8	0747.9	15.1	8.2	9.0	220	
1.0	0.3	2452.8	0747.6	15.1	8.2	9.0	220	55.000
2.0	0.6	2451.8	0747.3	15.1	8.2	9.0	220	55.000
5.0	1.5	2448.8	0746.4	15.1	8.2	9.0	220	55.000
10.0	3.0	2443.8	0744.8	15.1	8.2	9.0	220	55.000
15.0	4.5	2438.8	0743.3	15.0	8.2	9.0	220	55.000
20.0	6.0	2433.8	0741.8	15.0	8.3	9.0	220	55.000
30.0	9.1	2423.8	0738.8	15.0	8.3	8.9	220	55.000
40.0	12.1	2413.8	0735.7	14.9	8.3	8.9	220	55.000
50.0	15.2	2403.8	0732.7	14.8	8.3	8.9	220	55.000
60.0	18.2	2393.8	0729.6	14.7	8.3	8.7	230	55.000
70.0	21.3	2383.8	0726.6	14.0	8.3	8.6	230	50.000
80.0	24.3	2373.8	0723.5	13.6	8.2	8.4	230	50.000
90.0	27.4	2363.8	0720.5	12.8	8.2	8.3	230	45.000
100.0	30.4	2353.8	0717.4	12.1	8.2	8.3	220	41.000
110.0	33.5	2343.8	0714.4	11.5	8.1	8.0	210	30.000
120.0	36.5	2333.8	0711.3	11.0	8.1	8.5	205	27.000
130.0	39.6	2323.8	0708.3	10.8	8.1	8.4	205	24.000
140.0	42.6	2313.8	0705.2	10.3	8.1	8.1	200	19.000
150.0	45.7	2303.8	0702.2	10.2	8.2	8.0	200	15.000
165.0	50.2	2288.8	0697.6	10.0	8.2	7.8	200	13.000
180.0	54.8	2273.8	0693.0	10.0	8.3	7.5	200	8.400
195.0	59.4	2258.8	0688.5	10.0	8.3	7.4	200	7.300
202.0	61.5	2251.8	0686.3	10.0	8.3	7.4	200	6.800
212.0	64.6	2241.8	0683.3	10.0	8.2	7.4	200	6.800

TABLE 15. STATION NO. 12301600, LAKE KODCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 07 OCT 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICRONHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2451.8	0747.3	14.4	8.2	9.0	225	
1.0	0.3	2450.8	0747.0	14.4	8.2	9.0	225	50.000
2.0	0.6	2449.8	0746.6	14.4	8.2	9.0	225	50.000
5.0	1.5	2446.8	0745.7	14.4	8.2	9.0	225	50.000
10.0	3.0	2441.8	0744.2	14.4	8.2	9.0	225	50.000
15.0	4.5	2436.8	0742.7	14.4	8.2	8.9	225	50.000
20.0	6.0	2431.8	0741.2	14.4	8.2	8.9	225	50.000
25.0	7.6	2426.8	0739.6	14.4	8.2	8.9	225	50.000
30.0	9.1	2421.8	0738.1	14.4	8.2	8.9	225	50.000
35.0	10.6	2416.8	0736.6	14.2	8.2	8.8	225	50.000
40.0	12.1	2411.8	0735.1	14.2	8.2	8.8	225	50.000
50.0	15.2	2401.8	0732.0	14.0	8.2	8.6	225	48.000
60.0	18.2	2391.8	0729.0	14.0	8.2	8.6	230	43.000
70.0	21.3	2381.8	0725.9	14.0	8.3	8.6	230	41.000
80.0	24.3	2371.8	0722.9	13.8	8.3	8.6	230	35.000
90.0	27.4	2361.8	0719.8	13.6	8.3	8.5	230	33.000
100.0	30.4	2351.8	0716.8	12.6	8.2	7.8	240	28.000
115.0	35.0	2336.8	0712.2	11.4	8.1	7.6	225	25.000
130.0	39.6	2321.8	0707.6	10.8	8.1	7.9	205	16.000
145.0	44.1	2306.8	0703.1	10.4	8.1	7.6	205	7.900
160.0	48.7	2291.8	0698.5	10.2	8.1	7.2	210	0.230
175.0	53.3	2276.8	0693.9	10.0	8.2	7.1	210	0.050
190.0	57.9	2261.8	0689.3	10.0	8.2	7.0	210	0.030
200.0	60.9	2251.8	0686.3	10.0	8.2	6.8	210	

WATER QUALITY SAMPLING DATE: 30 OCT 75

0.0	0.0	2445.7	0745.4	11.3	8.2	8.7	235	
1.0	0.3	2444.7	0745.1	11.3	8.2	8.7	235	32.000
2.0	0.6	2443.7	0744.8	11.3	8.2	8.7	235	32.000
5.0	1.5	2440.7	0743.9	11.3	8.2	8.7	235	32.000
10.0	3.0	2435.7	0742.4	11.3	8.2	8.7	235	32.000
15.0	4.5	2430.7	0740.8	11.3	8.2	8.7	235	32.000
20.0	6.0	2425.7	0739.3	11.3	8.2	8.6	235	32.000
25.0	7.6	2420.7	0737.8	11.3	8.2	8.6	235	32.000
30.0	9.1	2415.7	0736.3	11.3	8.2	8.6	235	32.000
40.0	12.1	2405.7	0733.2	11.3	8.2	8.6	235	32.000
50.0	15.2	2395.7	0730.2	11.3	8.2	8.6	235	32.000
60.0	18.2	2385.7	0727.1	11.3	8.2	8.6	235	32.000
70.0	21.3	2375.7	0724.1	11.3	8.2	8.6	235	32.000
80.0	24.3	2365.7	0721.0	11.3	8.2	8.6	235	28.000
90.0	27.4	2355.7	0718.0	11.3	8.2	8.6	235	28.000
100.0	30.4	2345.7	0714.9	11.3	8.2	8.6	235	28.000
110.0	33.5	2335.7	0711.9	11.3	8.2	8.6	235	28.000
120.0	36.5	2325.7	0708.8	11.3	8.2	8.6	235	28.000
130.0	39.6	2315.7	0705.8	11.2	8.3	8.5	240	19.000
140.0	42.6	2305.7	0702.7	11.2	8.3	8.5	240	17.000
155.0	47.2	2290.7	0698.2	11.2	8.3	8.4	240	5.300
170.0	51.8	2275.7	0693.6	11.1	8.3	8.1	240	1.700
184.0	56.0	2261.7	0689.3	11.0	8.3	7.8	240	1.700
194.0	59.1	2251.7	0686.3	10.9	8.1	7.3	240	1.700

WATER QUALITY SAMPLING DATE: 05 MAY 76

0.0	0.0	2328.1	0709.6	8.4	8.4	10.6	235	
1.0	0.3	2327.1	0709.3	8.4		10.6	235	0.007
2.0	0.6	2326.1	0708.9	8.4	8.4	10.6	235	0.007
5.0	1.5	2323.1	0708.0	8.4	8.4	10.6	235	0.007
10.0	3.0	2318.1	0706.5	8.4	8.4	10.6	235	0.007
15.0	4.5	2313.1	0705.0	8.4	8.4	10.6	235	0.007
20.0	6.0	2308.1	0703.5	8.0	8.4	10.7	230	0.004
25.0	7.6	2303.1	0701.9	7.9	8.3	10.7	225	0.000
30.0	9.1	2298.1	0700.4	7.8	8.3	10.7	225	0.000
40.0	12.1	2288.1	0697.4	7.5	8.3	10.7	225	0.000
50.0	15.2	2278.1	0694.3	7.3	8.3	10.8	225	0.000
56.0	17.0	2272.1	0692.5	7.2	8.3	10.8	220	0.000
66.0	20.1	2262.1	0689.4	7.2	8.3	10.8	220	0.000

TABLE 15. STATION NO. 12301600, LAKE KOOCANUSA BELOW PINKHAM CREEK

WATER QUALITY SAMPLING DATE: 26 MAY 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2390.3	0728.5	9.7	8.2	10.1	170	0.004
1.0	0.3	2389.3	0728.2	9.7	8.2	10.1	170	0.004
2.0	0.6	2388.3	0727.9	9.7	8.2	10.1	170	0.001
5.0	1.5	2385.3	0727.0	9.7	8.2	10.1	170	0.000
10.0	3.0	2380.3	0725.5	9.6	8.2	10.1	170	0.000
15.0	4.5	2375.3	0723.9	9.6	8.2	10.1	170	0.000
20.0	6.0	2370.3	0722.4	9.5	8.2	10.1	170	0.000
30.0	9.1	2360.3	0719.4	9.3	8.2	10.2	170	0.000
40.0	12.1	2350.3	0716.3	9.1	8.2	9.8	165	0.000
50.0	15.2	2340.3	0713.3	8.9	8.2	9.8	165	0.000
60.0	18.2	2330.3	0710.2	8.9	8.2	10.2	165	0.000
70.0	21.3	2320.3	0707.2	8.7	8.2	10.5	165	0.000
80.0	24.3	2310.3	0704.1	8.6	8.2	10.6	165	0.000
90.0	27.4	2300.3	0701.1	8.2	8.2	10.7	165	0.000
100.0	30.4	2290.3	0698.0	8.0	8.2	10.8	165	0.000
110.0	33.5	2280.3	0695.0	8.0	8.2	10.8	165	0.000
119.0	36.2	2271.3	0692.2	8.0	8.2	10.9	165	0.000
129.0	39.3	2261.3	0689.2	8.0	8.2	10.9	165	0.000

WATER QUALITY SAMPLING DATE: 24 JUN 76

0.0	0.0	2434.1	0741.9	11.1	8.4	10.0	180	
1.0	0.3	2433.1	0741.6	11.1	8.4	10.0	180	4.500
2.0	0.6	2432.1	0741.3	11.1	8.4	10.0	180	4.100
5.0	1.5	2429.1	0740.4	11.1	8.4	10.0	180	4.100
10.0	3.0	2424.1	0738.8	11.1	8.4	10.0	180	3.800
15.0	4.5	2419.1	0737.3	11.0	8.4	10.0	180	3.800
20.0	6.0	2414.1	0735.8	11.0	8.4	10.0	180	3.800
25.0	7.6	2409.1	0734.3	11.0	8.4	10.0	180	3.800
35.0	10.6	2399.1	0731.2	11.0	8.4	9.9	180	3.800
45.0	13.7	2389.1	0728.2	11.0	8.3	9.9	180	3.800
55.0	16.7	2379.1	0725.1	10.9	8.3	9.8	180	3.800
65.0	19.8	2369.1	0722.1	10.9	8.3	9.8	170	2.600
75.0	22.8	2359.1	0719.0	10.4	8.3	9.7	170	2.100
85.0	25.9	2349.1	0716.0	10.0	8.3	9.7	170	1.300
95.0	28.9	2339.1	0712.9	9.9	8.3	9.7	170	0.620
105.0	32.0	2329.1	0709.9	9.5	8.3	9.6	170	0.460
115.0	35.0	2319.1	0706.8	8.8	8.3	9.6	170	0.230
125.0	38.1	2309.1	0703.8	8.5	8.2	9.8	180	0.230
140.0	42.6	2294.1	0699.2	8.2	8.2	9.8	180	0.230
155.0	47.2	2279.1	0694.6	7.8	8.2	9.8	190	0.230
170.0	51.8	2264.1	0690.1	7.5	8.1	9.8	195	0.230
185.0	56.3	2249.1	0685.5	7.0	8.1	9.8	200	0.230
195.0	59.4	2239.1	0682.4	7.0	8.1	9.8	200	0.230

WATER QUALITY SAMPLING DATE: 07 JUL 76

0.0	0.0	2450.5	0746.9	15.8	8.8	10.8	185	
1.0	0.3	2449.5	0746.6	15.6	8.8	10.8	185	18.000
2.0	0.6	2448.5	0746.3	15.5	8.8	10.8	175	18.000
5.0	1.5	2445.5	0745.3	14.5	8.8	10.8	175	18.000
10.0	3.0	2440.5	0743.8	13.6	8.7	10.8	175	11.000
15.0	4.5	2435.5	0742.3	13.0	8.7	10.8	180	11.000
20.0	6.0	2430.5	0740.8	12.9	8.6	10.7	180	11.000
25.0	7.6	2425.5	0739.2	12.8	8.6	10.6	180	17.000
30.0	9.1	2420.5	0737.7	12.5	8.6	10.5	180	15.000
40.0	12.1	2410.5	0734.7	11.9	8.5	10.5	175	15.000
50.0	15.2	2400.5	0731.6	11.4	8.5	10.3	170	17.000
60.0	18.2	2390.5	0728.6	10.9	8.5	10.2	165	9.800
70.0	21.3	2380.5	0725.5	10.2	8.5	9.9	160	5.300
80.0	24.3	2370.5	0722.5	9.9	8.5	9.9	160	3.100
90.0	27.4	2360.5	0719.4	9.7	8.5	9.8	165	2.100
100.0	30.4	2350.5	0716.4	9.3	8.4	9.8	165	1.900
110.0	33.5	2340.5	0713.3	9.1	8.4	9.7	170	2.100
125.0	38.1	2325.5	0708.8	9.0	8.4	9.6	170	1.900
140.0	42.6	2310.5	0704.2	8.8	8.4	9.6	170	1.700
155.0	47.2	2295.5	0699.6	8.5	8.4	9.6	170	1.500
170.0	51.8	2280.5	0695.0	7.6	8.4	9.3	190	1.100
185.0	56.3	2265.5	0690.5	7.3	8.3	9.3	190	1.200
198.0	60.3	2252.5	0686.5	7.0	8.3	9.2	200	1.700
208.0	63.3	2242.5	0683.5	6.9	8.3	9.2	205	1.900

TABLE 16. STATION NO. 12300110, LAKE KODCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 28 JUN 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
1.6	0.5	2380.9	0725.7	13.0		11.7		
3.2	1.0	2379.3	0725.2	13.0		11.7		
4.9	1.5	2377.6	0724.7	12.3		11.7		
6.5	2.0	2376.0	0724.2	12.0		11.2		
9.8	3.0	2372.7	0723.2	11.6	8.4	10.5	200	
13.1	4.0	2369.4	0722.2	11.2		10.5		
16.4	5.0	2366.2	0721.2	10.9		10.5		
19.6	6.0	2362.9	0720.2	10.1		10.5		
22.9	7.0	2359.6	0719.2	10.0		10.5		
26.2	8.0	2356.3	0718.2	9.8		10.4		
29.5	9.0	2353.0	0717.2	9.6		10.3		
32.8	10.0	2349.8	0716.2	9.3		10.3		
39.3	12.0	2343.2	0714.2	9.1		10.3		
45.9	14.0	2336.6	0712.2	9.1		10.3		
52.4	16.0	2330.1	0710.2	9.1		10.2		
59.0	18.0	2323.5	0708.2	9.5		10.1		
65.6	20.0	2317.0	0706.2	9.8	8.1	9.9		
72.1	22.0	2310.4	0704.2	10.0		9.8		

WATER QUALITY SAMPLING DATE: 06 JUL 72

0.4	0.1	2387.4	0727.6	18.2		9.1		
1.6	0.5	2386.2	0727.3	17.2		9.0		
3.2	1.0	2384.6	0726.8	16.8		9.1		
6.5	2.0	2381.3	0725.8	15.1		10.0		
9.8	3.0	2378.0	0724.8	14.0		11.1	195	
13.1	4.0	2374.7	0723.8	12.9		10.2		
16.4	5.0	2371.5	0722.8	12.5		9.6		
19.6	6.0	2368.2	0721.8	12.1		9.2		
22.9	7.0	2364.9	0720.8	12.0		9.4		
26.2	8.0	2361.6	0719.8	11.8		9.5		
29.5	9.0	2358.3	0718.8	11.6		9.5		
32.8	10.0	2355.1	0717.8	11.5		9.4		
36.0	11.0	2351.8	0716.8	11.0		9.8		
49.2	15.0	2338.7	0712.8	10.1		8.3		
62.3	19.0	2325.5	0708.8	10.0		7.3		
68.8	21.0	2319.0	0706.8	10.0		7.3		
75.4	23.0	2312.4	0704.8	10.0		7.5		
78.7	24.0	2309.1	0703.8	10.0		7.0		

WATER QUALITY SAMPLING DATE: 13 JUL 72

0.0	0.0	2399.7	0731.4	15.7		11.3	190	
1.6	0.5	2398.0	0730.9	15.7		11.3	190	
3.2	1.0	2396.4	0730.4	15.7		11.3	190	
6.5	2.0	2393.1	0729.4	15.7		11.3	190	
9.8	3.0	2389.8	0728.4	15.5	7.9	11.5	190	
13.1	4.0	2386.5	0727.4	15.2		11.4	190	
19.6	6.0	2380.0	0725.4	15.1		11.1	190	
26.2	8.0	2373.4	0723.4	15.0		10.9	190	
32.8	10.0	2366.9	0721.4	15.0		10.9	190	
39.3	12.0	2360.3	0719.4	14.9		11.0	190	
45.9	14.0	2353.7	0717.4	14.8		11.2	190	
49.2	15.0	2350.5	0716.4	14.5		11.1	185	
52.4	16.0	2347.2	0715.4	14.2		11.0	175	
55.7	17.0	2343.9	0714.4	11.3		10.6	175	
62.3	19.0	2337.3	0712.4	11.0		10.7	175	
72.1	22.0	2327.5	0709.4	11.1		10.8	175	
82.0	25.0	2317.7	0706.4	11.2	7.4	10.7	175	
88.5	27.0	2311.1	0704.4	11.1		10.5	170	

WATER QUALITY SAMPLING DATE: 19 JUL 72

0.0	0.0	2404.1	0732.7	14.2		9.8	180	
1.6	0.5	2402.4	0732.2	14.2		9.8	180	
3.2	1.0	2400.8	0731.7	14.0		9.8	180	
6.5	2.0	2397.5	0730.7	13.9		9.8	180	
13.1	4.0	2390.9	0728.7	13.5		9.9	180	
19.6	6.0	2384.4	0726.7	13.5		9.9	180	
26.2	8.0	2377.8	0724.7	13.4		9.9	180	
32.8	10.0	2371.3	0722.7	13.4		9.9	180	
39.3	12.0	2364.7	0720.7	13.2		10.0	180	
49.2	15.0	2354.9	0717.7	12.7		9.7	180	
59.0	18.0	2345.0	0714.7	11.8		9.9	180	
68.8	21.0	2335.2	0711.7	11.6		9.7	180	
78.7	24.0	2325.3	0708.7	11.6		9.7	180	
88.5	27.0	2315.5	0705.7	11.6		9.6	180	

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 27 JUL 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2404.2	0732.8	17.3		9.4	189	
1.6	0.5	2402.5	0732.3	17.2		9.4	189	
3.2	1.0	2400.9	0731.8	17.1		9.3	190	
6.5	2.0	2397.6	0730.8	16.8		9.4	188	
9.8	3.0	2394.3	0729.8	16.5	7.5	9.5	188	
13.1	4.0	2391.0	0728.8	16.2		9.6	188	
16.4	5.0	2387.8	0727.8	16.0		9.6	189	
19.6	6.0	2384.5	0726.8	14.8		9.2	192	
26.2	8.0	2377.9	0724.8	14.0		9.1	195	
32.8	10.0	2371.4	0722.8	14.0		9.1	195	
39.3	12.0	2364.8	0720.8	13.6		9.2	197	
45.9	14.0	2358.2	0718.8	13.0		9.0	199	
52.4	16.0	2351.7	0716.8	12.5		9.2	200	
59.0	18.0	2345.1	0714.8	12.2		9.4	202	
68.8	21.0	2335.3	0711.8	12.0		9.4	200	
78.7	24.0	2325.4	0708.8	12.0		9.4	200	
88.5	27.0	2315.6	0705.8	12.0		9.4	200	

WATER QUALITY SAMPLING DATE: 02 AUG 72

0.0	0.0	2401.8	0732.0	19.5		9.0	191	
1.6	0.5	2400.1	0731.5	19.5		9.0	191	
3.2	1.0	2398.5	0731.0	19.5		9.0	191	
6.5	2.0	2395.2	0730.0	19.5		9.0	191	
9.8	3.0	2391.9	0729.0	19.5	8.2	9.0	191	
13.1	4.0	2388.6	0728.0	19.5		9.0	191	
16.4	5.0	2385.4	0727.0	19.5		9.0	191	
19.6	6.0	2382.1	0726.0	18.5		9.0	194	
26.2	8.0	2375.5	0724.0	18.1		9.0	195	
32.8	10.0	2369.0	0722.0	17.0		8.8	195	
39.3	12.0	2362.4	0720.0	15.8		9.2	191	
49.2	15.0	2352.6	0717.0	15.0		9.2	189	

WATER QUALITY SAMPLING DATE: 09 AUG 72

0.0	0.0	2400.0	0731.5	23.2		8.8	189	
1.6	0.5	2398.3	0731.0	22.5		9.0	190	
3.2	1.0	2396.7	0730.5	21.1		9.2	194	
6.5	2.0	2393.4	0729.5	21.0		9.4	193	
9.8	3.0	2390.1	0728.5	20.5	8.8	9.4	193	
13.1	4.0	2386.8	0727.5	19.8		9.4	193	
16.4	5.0	2383.6	0726.5	19.0		9.3	194	
19.6	6.0	2380.3	0725.5	18.6		8.9	197	
22.9	7.0	2377.0	0724.5	18.0		8.4	200	
26.2	8.0	2373.7	0723.5	17.9		8.8	201	
32.8	10.0	2367.2	0721.5	17.4		8.6	209	
39.3	12.0	2360.6	0719.5	17.1		8.8	210	
45.9	14.0	2354.0	0717.5	16.6		8.8	214	
52.4	16.0	2347.5	0715.5	16.0		9.1	214	
59.0	18.0	2340.9	0713.5	16.0		9.0	211	
65.6	20.0	2334.4	0711.5	15.6		9.0	214	
72.1	22.0	2327.8	0709.5	15.3		8.8	213	
78.7	24.0	2321.2	0707.5	14.9		8.8	207	
82.0	25.0	2318.0	0706.5	14.2	8.1	8.7	209	
88.5	27.0	2311.4	0704.5	14.0		8.6	198	

WATER QUALITY SAMPLING DATE: 16 AUG 72

0.0	0.0	2400.2	0731.5	21.0		8.8	195	
1.6	0.5	2398.5	0731.0	20.9		8.8	195	
3.2	1.0	2396.9	0730.5	20.9		8.8	195	
6.5	2.0	2393.6	0729.5	20.9		8.8	195	
9.8	3.0	2390.3	0728.5	20.8	8.1	8.8	200	
13.1	4.0	2387.0	0727.5	20.7		8.9	200	
16.4	5.0	2383.8	0726.5	20.5		8.8	200	
19.6	6.0	2380.5	0725.5	20.0		8.8	200	
22.9	7.0	2377.2	0724.5	20.0		8.8	200	
26.2	8.0	2373.9	0723.5	19.7		8.6	205	
29.5	9.0	2370.6	0722.5	18.3		8.6	205	
36.0	11.0	2364.1	0720.5	17.9		8.5	210	
42.6	13.0	2357.5	0718.5	17.2		8.7	210	
49.2	15.0	2351.0	0716.5	16.1		8.8	215	
55.7	17.0	2344.4	0714.5	16.0		8.7	215	
62.3	19.0	2337.8	0712.5	16.0		8.8	215	
68.8	21.0	2331.3	0710.5	15.2		8.4	215	
72.1	22.0	2328.0	0709.5	14.2		8.1	220	
75.4	23.0	2324.7	0708.5	13.5		7.6	210	
85.2	26.0	2314.9	0705.5	13.2		7.4	210	

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 23 AUG 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2401.7	0732.0	20.1		8.4	200	
1.6	0.5	2400.0	0731.5	20.1		8.5	200	
3.2	1.0	2398.4	0731.0	20.1		8.5	200	
6.5	2.0	2395.1	0730.0	20.1		8.5	200	
9.8	3.0	2391.8	0729.0	20.0	8.5	8.4	200	
13.1	4.0	2388.5	0728.0	20.0		8.4	200	
16.4	5.0	2385.3	0727.0	20.0		8.4	200	
19.6	6.0	2382.0	0726.0	19.9		8.4	200	
22.9	7.0	2378.7	0725.0	19.1		8.1	200	
26.2	8.0	2375.4	0724.0	18.9		8.0	200	
29.5	9.0	2372.1	0723.0	18.6		7.9	205	
32.8	10.0	2368.9	0722.0	17.8		8.2	220	
39.3	12.0	2362.3	0720.0	17.6		8.4	220	
45.9	14.0	2355.7	0718.0	16.9		8.9	230	
52.4	16.0	2349.2	0716.0	16.2		9.1	235	
59.0	18.0	2342.6	0714.0	16.0		9.0	235	
65.6	20.0	2336.1	0712.0	15.9		9.1	235	
72.1	22.0	2329.5	0710.0	15.8		8.9	230	
78.7	24.0	2322.9	0708.0	15.8		8.8	230	
82.0	25.0	2319.7	0707.0	14.1		7.5	215	

WATER QUALITY SAMPLING DATE: 31 AUG 72

0.0	0.0	2404.2	0732.8	20.9		8.3	206	
1.6	0.5	2402.5	0732.3	20.9		8.2	200	
3.2	1.0	2400.9	0731.8	20.9		8.2	200	
6.5	2.0	2397.6	0730.8	20.9		8.4	200	
9.8	3.0	2394.3	0729.8	20.9	8.4	8.3	200	
13.1	4.0	2391.0	0728.8	20.9		8.3	200	
16.4	5.0	2387.8	0727.8	20.8		8.4	195	
19.6	6.0	2384.5	0726.8	20.8		8.3	200	
22.9	7.0	2381.2	0725.8	20.7		8.4	200	
26.2	8.0	2377.9	0724.8	20.4		8.3	200	
32.8	10.0	2371.4	0722.8	20.0		8.1	200	
39.3	12.0	2364.8	0720.8	19.3		8.1	210	
45.9	14.0	2358.2	0718.8	18.8		8.3	210	
52.4	16.0	2351.7	0716.8	17.9		8.4	210	
59.0	18.0	2345.1	0714.8	17.0		8.2	205	
65.6	20.0	2338.6	0712.8	16.2		7.5	205	
75.4	23.0	2328.7	0709.8	15.4		6.8	210	
85.2	26.0	2318.9	0706.8	14.9		6.3	210	

WATER QUALITY SAMPLING DATE: 06 SEP 72

0.0	0.0	2404.5	0732.8	19.2		8.2	205	
1.6	0.5	2402.8	0732.3	19.2		8.2	205	
3.2	1.0	2401.2	0731.8	19.2		8.2	205	
6.5	2.0	2397.9	0730.8	19.2		8.2	205	
9.8	3.0	2394.6	0729.8	19.2	8.6	8.2	205	
13.1	4.0	2391.3	0728.8	19.2		8.2	205	
16.4	5.0	2388.1	0727.8	19.2		8.2	205	
19.6	6.0	2384.8	0726.8	19.2		8.2	205	
22.9	7.0	2381.5	0725.8	19.2		8.2	205	
26.2	8.0	2378.2	0724.8	19.2		8.2	205	
32.8	10.0	2371.7	0722.8	19.2		8.2	205	
39.3	12.0	2365.1	0720.8	19.2		8.3	205	
45.9	14.0	2358.5	0718.8	19.1		8.4	205	
52.4	16.0	2352.0	0716.8	19.0		8.3	210	
59.0	18.0	2345.4	0714.8	19.0		8.0	210	
62.3	19.0	2342.1	0713.8	17.1		7.4	225	
68.8	21.0	2335.6	0711.8	15.3		7.0	240	
78.7	24.0	2325.7	0708.8	15.2		6.8	240	
88.5	27.0	2315.9	0705.8	15.0		6.4	230	

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERPNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 12 SEP 72

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2404.5	0732.8	17.8		8.2	215	
1.6	0.5	2402.8	0732.3	17.8		8.2	215	
3.2	1.0	2401.2	0731.8	17.8		8.2	215	
6.5	2.0	2397.9	0730.8	17.8		8.2	215	
9.8	3.0	2394.6	0729.8	17.7	8.3	8.3	215	
13.1	4.0	2391.3	0728.8	17.7		8.3	215	
16.4	5.0	2388.1	0727.8	17.6		8.3	215	
19.6	6.0	2384.8	0726.8	17.6		8.2	215	
22.9	7.0	2381.5	0725.8	17.6		8.2	215	
26.2	8.0	2378.2	0724.8	17.6		8.1	215	
29.5	9.0	2374.9	0723.8	17.6		8.1	215	
32.8	10.0	2371.7	0722.8	17.6		8.1	215	
39.3	12.0	2365.1	0720.8	17.4		8.2	215	
45.9	14.0	2358.5	0718.8	17.2		8.2	220	
52.4	16.0	2352.0	0716.8	16.8		8.2	225	
59.0	18.0	2345.4	0714.8	15.4		8.1	240	
65.6	20.0	2338.9	0712.8	15.2		8.1	240	
72.1	22.0	2332.3	0710.8	15.0		8.0	245	
82.0	25.0	2322.5	0707.8	15.0		8.0	245	

WATER QUALITY SAMPLING DATE: 21 SEP 72

0.0	0.0	2392.1	0729.1	16.0		8.7	225	
1.6	0.5	2390.4	0728.6	16.0		8.7	225	
3.2	1.0	2388.8	0728.1	16.0		8.7	225	
6.5	2.0	2385.5	0727.1	16.0		8.7	225	
9.8	3.0	2382.2	0726.1	16.0	8.5	8.7	225	
13.1	4.0	2378.9	0725.1	16.0		8.7	225	
16.4	5.0	2375.7	0724.1	16.0		8.7	225	
19.6	6.0	2372.4	0723.1	16.0		8.7	225	
22.9	7.0	2369.1	0722.1	16.0		8.7	225	
26.2	8.0	2365.8	0721.1	16.0		8.8	225	
29.5	9.0	2362.5	0720.1	16.0		8.7	225	
32.8	10.0	2359.3	0719.1	16.0		8.7	225	
39.3	12.0	2352.7	0717.1	15.8		8.3	225	
45.9	14.0	2346.1	0715.1	15.8		8.3	225	
52.4	16.0	2339.6	0713.1	15.6		8.2	225	
59.0	18.0	2333.0	0711.1	15.2		8.0	225	
68.8	21.0	2323.2	0708.1	15.2		8.8	225	

WATER QUALITY SAMPLING DATE: 28 SEP 72

0.0	0.0	2383.7	0726.5	13.9		8.3	220	
1.6	0.5	2382.0	0726.0	13.9		8.3	220	
3.2	1.0	2380.4	0725.5	13.9		8.2	220	
6.5	2.0	2377.1	0724.5	13.9		8.3	220	
9.8	3.0	2373.8	0723.5	13.9	8.3	8.3	220	
13.1	4.0	2370.5	0722.5	13.9		8.3	220	
16.4	5.0	2367.3	0721.5	13.9		8.3	220	
19.6	6.0	2364.0	0720.5	13.9		8.3	220	
22.9	7.0	2360.7	0719.5	13.9		8.3	220	
26.2	8.0	2357.4	0718.5	13.8		8.3	220	
29.5	9.0	2354.1	0717.5	13.6		8.3	220	
32.8	10.0	2350.9	0716.5	13.5		8.4	220	
39.3	12.0	2344.3	0714.5	13.0		8.6	225	
45.9	14.0	2337.7	0712.5	12.8		8.9	225	
49.2	15.0	2334.5	0711.5	12.4		9.0	225	
52.4	16.0	2331.2	0710.5	10.3		9.1	240	
62.3	19.0	2321.3	0707.5	10.0		9.1	240	
72.1	22.0	2311.5	0704.5	10.0		9.1	240	

WATER QUALITY SAMPLING DATE: 03 OCT 72

0.0	0.0	2375.0	0723.9	14.0		9.2	215	
1.6	0.5	2373.3	0723.4	14.0		9.2	215	
3.2	1.0	2371.7	0722.9	14.0		9.1	215	
6.5	2.0	2368.4	0721.9	14.0		9.1	215	
9.8	3.0	2365.1	0720.9	14.0	8.2	9.1	215	
13.1	4.0	2361.8	0719.9	14.0		9.1	215	
16.4	5.0	2358.6	0718.9	14.0		9.0	215	
19.6	6.0	2355.3	0717.9	14.0		8.8	215	
22.9	7.0	2352.0	0716.9	13.8		8.6	215	
26.2	8.0	2348.7	0715.9	13.8		8.6	215	
32.8	10.0	2342.2	0713.9	13.6		8.8	210	
39.3	12.0	2335.6	0711.9	13.2		9.0	210	
45.9	14.0	2329.0	0709.9	13.0		8.6	215	
49.2	15.0	2325.8	0708.9	8.0		10.0	250	
59.0	18.0	2315.9	0705.9	8.0	8.0	10.0	250	



TABLE 16. STATION NO. 12300110, LAKE KOOCHANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 19 OCT 72

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2343.5	0714.2	9.1			225	
1.6	0.5	2341.8	0713.7	9.1			225	
3.2	1.0	2340.2	0713.2	9.1			225	33.000
6.5	2.0	2336.9	0712.2	9.1			225	21.000
9.8	3.0	2333.6	0711.2	8.9	7.8	10.0	235	2.300
13.1	4.0	2330.3	0710.2	7.0			245	1.200
16.4	5.0	2327.1	0709.3	5.7			260	0.400
19.6	6.0	2323.8	0708.3	5.7		10.4	260	0.200
22.9	7.0	2320.5	0707.3	5.7			260	0.000
26.2	8.0	2317.2	0706.3	5.7	7.6		260	0.000
29.5	9.0	2313.9	0705.3	5.7			260	0.000

WATER QUALITY SAMPLING DATE: 25 OCT 72

0.0	0.0	2330.8	0710.4	5.2			270	
1.6	0.5	2329.1	0709.9	5.2			270	
3.2	1.0	2327.5	0709.4	5.2			270	
6.5	2.0	2324.2	0708.4	5.2			270	
9.8	3.0	2320.9	0707.4	5.2	7.9	9.0	270	
13.1	4.0	2317.6	0706.4	5.2			270	
16.4	5.0	2314.4	0705.4	5.2			270	
19.6	6.0	2311.1	0704.4	5.2			270	

WATER QUALITY SAMPLING DATE: 05 JUN 73

0.0	0.0	2339.0	0712.9	9.2	8.3	10.2	205	
1.0	0.3	2338.0	0712.6	9.2	8.3	10.2	205	2.000
2.0	0.6	2337.0	0712.3	9.2	8.3	10.2	205	0.600
4.0	1.2	2335.0	0711.7	9.2	8.3	10.2	205	0.000
6.0	1.8	2333.0	0711.0	9.2	8.3	10.2	205	0.000
8.0	2.4	2331.0	0710.4	9.2	8.3	10.2	205	0.000
10.0	3.0	2329.0	0709.8	9.2	8.3	10.2	205	0.000
16.0	4.8	2323.0	0708.0	9.2	8.3	10.2	205	0.000
21.0	6.4	2318.0	0706.5	9.2	8.3	10.2	205	0.000
26.0	7.9	2313.0	0705.0	9.2	8.3	10.3	205	0.000
31.0	9.4	2308.0	0703.4	9.2	8.3	10.3	205	0.000

WATER QUALITY SAMPLING DATE: 12 JUN 73

0.1	0.0	2359.8	0719.2	8.8	8.2	10.6	170	0.000
1.0	0.3	2358.9	0718.9	8.7	8.2	10.6	165	
2.0	0.6	2357.9	0718.6	8.4	8.2	10.6	165	
5.0	1.5	2354.0	0717.7	8.3	8.2	10.6	165	
10.0	3.0	2349.9	0716.2	8.3	8.2	10.6	165	
15.0	4.5	2344.9	0714.7	8.3	8.2	10.7	165	
20.0	6.0	2339.9	0713.2	8.2	8.2	10.7	165	
25.0	7.6	2334.9	0711.6	8.2	8.2	10.7	165	
30.0	9.1	2329.9	0710.1	8.2	8.2	10.7	165	
35.0	10.6	2324.9	0708.6	8.2	8.2	10.7	165	
40.0	12.1	2319.9	0707.1	8.2	8.2	10.7	165	
45.0	13.7	2314.9	0705.5	8.2	8.2	10.7	165	
50.0	15.2	2309.9	0704.0	8.0	8.2	10.7	165	

WATER QUALITY SAMPLING DATE: 21 JUN 73

0.1	0.0	2375.4	0724.0	16.0	8.4	10.5	195	
1.0	0.3	2374.5	0723.7	15.5	8.4	10.4	195	24.000
2.0	0.6	2373.5	0723.0	13.0	8.2	10.2	200	24.500
5.0	1.5	2370.5	0722.5	12.0	8.1	10.0	195	22.000
10.0	3.0	2365.5	0721.0	11.8	8.1	10.2	200	11.500
15.0	4.5	2360.5	0719.4	11.1	8.0	10.3	205	0.800
20.0	6.0	2355.5	0717.9	11.0	8.1	10.4	205	0.600
25.0	7.6	2350.5	0716.4	11.0	8.0	10.5	200	0.000
30.0	9.1	2345.5	0714.9	10.4	8.0	10.5	200	0.000
35.0	10.6	2340.5	0713.3	10.1	8.0	10.5	200	0.000
40.0	12.1	2335.5	0711.8	10.0	8.0	10.5	200	0.000
45.0	13.7	2330.5	0710.3	9.9	8.0	10.5	200	0.000
50.0	15.2	2325.5	0708.8	9.8	8.0	10.5	195	0.000
53.0	16.1	2322.5	0707.8	9.8	8.0	10.5	195	0.000
60.0	18.2	2315.5	0705.7	9.9	8.0	10.3	195	0.000
63.0	19.2	2312.5	0704.8	9.9	8.0	10.3	195	0.000

WATER QUALITY SAMPLING DATE: 28 JUN 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2388.5	0728.0	16.5	8.2	8.8	210	
1.0	0.3	2387.6	0727.7	16.1	8.2	8.9	205	44.000
2.0	0.6	2386.6	0727.4	15.9	8.2	9.0	205	44.000
5.0	1.5	2383.6	0726.5	15.2	8.1	9.0	205	39.000
10.0	3.0	2378.6	0724.9	14.1	8.1	9.1	195	17.500
15.0	4.5	2373.6	0723.4	13.3	8.1	9.3	185	0.500
20.0	6.0	2368.6	0721.9	13.0	8.1	9.4	180	0.000
25.0	7.6	2363.6	0720.4	12.5	8.1	9.5	180	0.000
30.0	9.1	2358.6	0718.9	12.3	8.1	9.6	175	0.000
35.0	10.6	2353.6	0717.3	12.1	8.0	9.6	175	0.000
40.0	12.1	2348.6	0715.8	11.4	8.0	9.7	170	0.000
45.0	13.7	2343.6	0714.3	11.0	8.0	9.8	165	0.000
50.0	15.2	2338.6	0712.8	11.0	8.0	9.8	165	0.000
55.0	16.7	2333.6	0711.2	11.0	8.0	9.8	165	0.000
60.0	18.2	2328.6	0709.7	11.0	8.0	9.8	165	0.000
64.0	19.5	2324.6	0708.5	11.0	8.0	9.8	165	0.000
70.0	21.3	2318.6	0706.7	11.0	8.0	9.9	165	0.000
74.0	22.5	2314.6	0705.4	11.0	8.0	9.8	165	

WATER QUALITY SAMPLING DATE: 03 JUL 73

0.1	0.0	2396.3	0730.4	16.2	8.3	8.7	210	
1.0	0.3	2395.4	0730.1	16.0	8.3	8.8	210	50.000
2.0	0.6	2394.4	0729.8	16.0	8.3	8.8	210	48.000
5.0	1.5	2391.4	0728.9	15.8	8.3	9.0	205	47.000
10.0	3.0	2386.4	0727.3	15.5	8.3	9.0	205	45.000
15.0	4.5	2381.4	0725.8	15.1	8.2	8.9	205	33.000
20.0	6.0	2376.4	0724.3	14.6	8.2	9.0	200	14.000
25.0	7.6	2371.4	0722.8	14.2	8.2	9.1	195	3.500
30.0	9.1	2366.4	0721.2	13.8	8.2	9.2	190	2.500
40.0	12.1	2356.4	0718.2	13.0	8.2	9.3	185	0.600
50.0	15.2	2346.4	0715.1	12.0	8.2	9.6	180	0.000
60.0	18.2	2336.4	0712.1	12.0	8.1	9.6	180	0.000
70.0	21.3	2326.4	0709.0	12.0	8.1	9.6	180	0.000
77.0	23.4	2319.4	0706.9	12.0	8.1	9.6	180	0.000
87.0	26.5	2309.4	0703.9	12.0	8.1	9.6	180	0.000

WATER QUALITY SAMPLING DATE: 10 JUL 73

0.1	0.0	2403.5	0732.6	17.2		9.2	205	
1.0	0.3	2402.6	0732.3	17.2		9.2	205	49.000
2.0	0.6	2401.6	0732.0	17.2		9.2	205	45.000
5.0	1.5	2398.6	0731.1	16.3		9.3	205	44.000
10.0	3.0	2393.6	0729.5	16.0	8.1	9.1	205	35.000
15.0	4.5	2388.6	0728.0	15.5		8.9	205	36.000
20.0	6.0	2383.6	0726.5	15.4		8.7	205	40.000
25.0	7.6	2378.6	0725.0	15.2		8.6	210	37.000
30.0	9.1	2373.6	0723.5	15.0		8.9	205	25.000
35.0	10.6	2368.6	0721.9	14.5		8.9	205	7.600
40.0	12.1	2363.6	0720.4	14.2		8.9	205	6.900
45.0	13.7	2358.6	0718.9	14.0		8.9	205	4.000
50.0	15.2	2353.6	0717.4	13.8		9.0	205	2.700
55.0	16.7	2348.6	0715.8	13.0		9.1	205	0.900
60.0	18.2	2343.6	0714.3	12.8		9.1	205	1.000
65.0	19.8	2338.6	0712.8	12.8		9.1	205	0.600
70.0	21.3	2333.6	0711.3	12.8		9.1	205	0.500
75.0	22.8	2328.6	0709.7	12.8		9.1	205	0.500
83.0	25.2	2320.6	0707.3	12.8	7.8	9.1	205	0.500
93.0	28.3	2310.6	0704.2	12.8		9.0	205	0.500

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 18 JUL 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2406.9	0733.6	19.4		8.5	210	
1.0	0.3	2406.0	0733.3	19.3		8.6	210	
2.0	0.6	2405.0	0733.0	19.3		8.6	210	
5.0	1.5	2402.0	0732.1	19.1		8.6	210	
10.0	3.0	2397.0	0730.6	19.0	7.9	8.6	210	
15.0	4.5	2392.0	0729.1	18.8		8.8	210	
20.0	6.0	2387.0	0727.5	16.9		9.1	210	
25.0	7.6	2382.0	0726.0	15.9		8.8	210	
30.0	9.1	2377.0	0724.5	15.1		8.8	210	
35.0	10.6	2372.0	0723.0	15.0		8.8	210	
40.0	12.1	2367.0	0721.4	14.8		8.8	210	
45.0	13.7	2362.0	0719.9	14.7		8.7	210	
50.0	15.2	2357.0	0718.4	14.2		9.0	210	
55.0	16.7	2352.0	0716.9	13.1		9.2	205	
60.0	18.2	2347.0	0715.3	12.2		9.2	195	
65.0	19.8	2342.0	0713.8	11.8		9.0	195	
70.0	21.3	2337.0	0712.3	11.1		8.7	190	
75.0	22.8	2332.0	0710.8	11.0		8.3	190	
80.0	24.3	2327.0	0709.2	11.0		8.2	190	
85.0	25.9	2322.0	0707.7	11.0	7.5	8.1	190	
90.0	27.4	2317.0	0706.2	11.0		7.9	190	
95.0	28.9	2312.0	0704.7	11.0		7.7	190	

WATER QUALITY SAMPLING DATE: 24 JUL 73

0.1	0.0	2409.2	0734.3	19.2	8.0	8.2	210	
1.0	0.3	2408.3	0734.0	19.1	8.0	8.2	210	
2.0	0.6	2407.3	0733.7	19.1	8.0	8.2	210	
5.0	1.5	2404.3	0732.8	19.0	8.0	8.3	210	
10.0	3.0	2399.3	0731.3	19.0	8.0	8.3	210	
15.0	4.5	2394.3	0729.7	18.7	8.0	8.3	215	
20.0	6.0	2389.3	0728.2	18.5	8.0	8.3	215	
25.0	7.6	2384.3	0726.7	18.0	8.0	8.2	215	
30.0	9.1	2379.3	0725.2	17.8	8.0	8.2	215	
35.0	10.6	2374.3	0723.6	17.2	7.9	8.2	220	
40.0	12.1	2369.3	0722.1	16.8	7.9	8.0	220	
45.0	13.7	2364.3	0720.6	16.4	7.8	8.0	220	
50.0	15.2	2359.3	0719.1	16.2	7.8	7.9	215	
55.0	16.7	2354.3	0717.5	16.1	7.8	7.9	215	
60.0	18.2	2349.3	0716.0	15.8	7.8	7.9	215	
65.0	19.8	2344.3	0714.5	14.8	7.8	7.8	215	
70.0	21.3	2339.3	0713.0	13.7	7.7	7.8	215	
75.0	22.8	2334.3	0711.4	13.2	7.7	7.8	210	
80.0	24.3	2329.3	0709.9	12.9	7.7	7.8	205	
86.0	26.2	2323.3	0708.1	12.1	7.6	7.5	200	
96.0	29.2	2313.3	0705.0	11.7	7.6	7.0	195	

WATER QUALITY SAMPLING DATE: 31 JUL 73

0.1	0.0	2411.7	0735.0	20.3	8.1	8.6	190	
1.0	0.3	2410.8	0734.8	20.0	8.1	8.6	190	39.000
2.0	0.6	2409.8	0734.5	20.0	8.1	8.6	190	38.000
5.0	1.5	2406.8	0733.5	19.7	8.1	8.6	190	36.000
10.0	3.0	2401.8	0732.0	19.1	8.1	8.6	190	36.000
15.0	4.5	2396.8	0730.5	18.4	8.0	8.5	190	36.000
20.0	6.0	2391.8	0729.0	17.6	7.8	7.8	195	40.000
25.0	7.6	2386.8	0727.4	16.8	7.8	7.8	195	35.000
30.0	9.1	2381.8	0725.9	16.0	7.8	8.2	195	23.500
35.0	10.6	2376.8	0724.4	15.9	7.8	8.1	195	15.500
40.0	12.1	2371.8	0722.9	15.8	7.8	8.2	195	13.000
45.0	13.7	2366.8	0721.4	15.5	7.8	8.2	195	4.000
50.0	15.2	2361.8	0719.8	15.2	7.8	8.2	195	8.000
55.0	16.7	2356.8	0718.3	14.5	7.7	8.0	190	2.000
60.0	18.2	2351.8	0716.8	13.0	7.7	8.5	180	0.000
70.0	21.3	2341.8	0713.7	12.2	7.7	8.5	175	0.000
80.0	24.3	2331.8	0710.7	11.8	7.6	8.1	175	0.000
91.0	27.7	2320.8	0707.3	11.8	7.6	7.7	175	0.100
101.0	30.7	2310.8	0704.3	11.8	7.5	7.2	195	0.300

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 07 AUG 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2413.6	0735.6	20.5	8.1	8.5	210	
1.0	0.3	2412.7	0735.3	20.5	8.1	8.5	210	51,000
2.0	0.6	2411.7	0735.0	20.4	8.1	8.6	210	51,000
5.0	1.5	2408.7	0734.1	20.3	8.0	8.6	210	50,000
10.0	3.0	2403.7	0732.6	20.2	8.0	8.6	210	50,000
15.0	4.5	2398.7	0731.1	20.2	8.1	8.6	210	50,000
20.0	6.0	2393.7	0729.5	20.2	8.1	8.6	210	48,000
25.0	7.6	2388.7	0728.0	20.2	8.1	8.7	210	48,000
30.0	9.1	2383.7	0726.5	20.0	8.1	8.8	210	47,000
35.0	10.6	2378.7	0725.0	19.2	8.0	8.8	215	45,000
40.0	12.1	2373.7	0723.5	17.8	7.9	8.5	225	0,200
45.0	13.7	2368.7	0721.9	17.5	7.8	8.4	230	6,700
50.0	15.2	2363.7	0720.4	17.2	7.8	8.4	230	19,000
55.0	16.7	2358.7	0718.9	16.8	7.8	8.4	225	14,000
60.0	18.2	2353.7	0717.4	15.8	7.7	8.2	225	0,000
65.0	19.8	2348.7	0715.8	13.8	7.7	8.2	200	0,000
75.0	22.8	2338.7	0712.8	12.8	7.6	8.0	200	0,000
85.0	25.9	2328.7	0709.7	12.2	7.6	7.7	200	0,000
92.0	28.0	2321.7	0707.6	12.2	7.6	7.6	200	0,200
102.0	31.0	2311.7	0704.6	12.5	7.5	7.5	200	0,100

WATER QUALITY SAMPLING DATE: 15 AUG 73

0.1	0.0	2415.1	0736.1	21.0	8.1	8.1	220	
1.0	0.3	2414.2	0735.8	21.0	8.1	8.1	220	40,000
2.0	0.6	2413.2	0735.5	21.0	8.1	8.1	220	40,000
5.0	1.5	2410.2	0734.6	21.0	8.1	8.3	220	40,000
10.0	3.0	2405.2	0733.1	21.0	8.1	8.1	220	38,000
15.0	4.5	2400.2	0731.5	20.8	8.1	8.1	220	31,000
20.0	6.0	2395.2	0730.0	20.6	8.0	8.1	220	34,000
25.0	7.6	2390.2	0728.5	20.3	8.0	8.2	220	37,000
30.0	9.1	2385.2	0727.0	19.5	7.9	7.9	225	41,000
35.0	10.6	2380.2	0725.5	19.0	7.8	7.2	240	47,000
40.0	12.1	2375.2	0723.9	18.3	7.8	7.3	240	49,000
45.0	13.7	2370.2	0722.4	18.2	7.8	7.3	245	49,000
50.0	15.2	2365.2	0720.9	17.7	7.8	7.0	245	37,000
55.0	16.7	2360.2	0719.4	17.0	7.8	6.8	250	32,000
60.0	18.2	2355.2	0717.8	16.9	7.8	6.9	245	32,000
65.0	19.8	2350.2	0716.3	16.9	7.8	6.9	245	31,000
70.0	21.3	2345.2	0714.8	16.0	7.7	6.5	235	2,000
75.0	22.8	2340.2	0713.3	14.9	7.6	6.8	215	2,400
85.0	25.9	2330.2	0710.2	13.8	7.6	7.2	205	2,400
95.0	28.9	2320.2	0707.2	13.0	7.6	7.0	205	2,400
100.0	30.4	2315.2	0705.6	13.0	7.6	6.7	205	2,900
105.0	32.0	2310.2	0704.1	13.0	7.6	6.7	205	2,900

WATER QUALITY SAMPLING DATE: 21 AUG 73

0.1	0.0	2413.8	0735.7					
1.0	0.3	2412.9	0735.4					40,000
2.0	0.6	2411.9	0735.1					40,000
5.0	1.5	2408.9	0734.2					41,000
10.0	3.0	2403.9	0732.7	18.3	7.9			44,000
15.0	4.5	2398.9	0731.1			7.9		47,000
20.0	6.0	2393.9	0729.6					42,000
25.0	7.6	2388.9	0728.1					38,000
30.0	9.1	2383.9	0726.6					32,000
35.0	10.6	2378.9	0725.0					26,000
40.0	12.1	2373.9	0723.5					17,000
45.0	13.7	2368.9	0722.0					19,000
50.0	15.2	2363.9	0720.5					14,000
55.0	16.7	2358.9	0719.0					23,000
60.0	18.2	2353.9	0717.4					9,000
65.0	19.8	2348.9	0715.9					0,700
70.0	21.3	2343.9	0714.4					1,400
80.0	24.3	2333.9	0711.3					0,300
90.0	27.4	2323.9	0708.3					0,100
94.0	28.6	2319.9	0707.1	13.0	7.3	7.0		0,100
104.0	31.6	2309.9	0704.0					0,100

TABLE 16. STATION NO. 12300110, LAKE KNOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 29 AUG 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2408.4	0734.0	18.8		8.0		
1.0	0.3	2407.5	0733.8	18.8		7.9		41.000
2.0	0.6	2406.5	0733.5	18.8		7.9		41.000
5.0	1.5	2403.5	0732.5	18.8		8.0		41.000
10.0	3.0	2398.5	0731.0	18.8		8.0		41.000
15.0	4.5	2393.5	0729.5	18.8	8.0	8.0		41.000
20.0	6.0	2388.5	0728.0	18.8		8.0		41.000
25.0	7.6	2383.5	0726.4	18.7		7.9		43.000
30.0	9.1	2378.5	0724.9	18.7		7.9		43.000
35.0	10.6	2373.5	0723.4	18.7		7.9		43.000
40.0	12.1	2368.5	0721.9	18.7		7.9		44.000
45.0	13.7	2363.5	0720.4					41.000
50.0	15.2	2358.5	0718.8					
55.0	16.7	2353.5	0717.3					
60.0	18.2	2348.5	0715.8					
70.0	21.3	2338.5	0712.7					
80.0	24.3	2328.5	0709.7					
90.0	27.4	2318.5	0706.6	17.0	7.7	7.1		
100.0	30.4	2308.5	0703.6					

WATER QUALITY SAMPLING DATE: 05 SEP 73

0.1	0.0	2403.1	0732.4	18.2		8.4		
1.0	0.3	2402.2	0732.2	18.2		8.4		53.000
2.0	0.6	2401.2	0731.9	18.2		8.4		52.000
5.0	1.5	2398.2	0730.9	18.2		8.4		52.000
10.0	3.0	2393.2	0729.4	18.2		8.4		52.000
15.0	4.5	2388.2	0727.9	18.1	7.9	8.4		51.000
20.0	6.0	2383.2	0726.4	18.1		8.4		49.000
25.0	7.6	2378.2	0724.8	18.0		8.4		49.000
30.0	9.1	2373.2	0723.3	17.9		8.3		50.000
35.0	10.6	2368.2	0721.8	17.9		8.2		42.000
40.0	12.1	2363.2	0720.3	17.9		8.2		43.000
45.0	13.7	2358.2	0718.7					38.000
50.0	15.2	2353.2	0717.2					35.000
55.0	16.7	2348.2	0715.7					35.000
60.0	18.2	2343.2	0714.2					32.000
70.0	21.3	2333.2	0711.1					30.000
80.0	24.3	2323.2	0708.1					19.000
82.0	24.9	2321.2	0707.5	15.5	7.6	8.2		19.000
92.0	28.0	2311.2	0704.4					19.000

WATER QUALITY SAMPLING DATE: 12 SEP 73

0.1	0.0	2397.0	0730.6	18.8	8.0	8.4	220	
1.0	0.3	2396.1	0730.3	18.8	8.0	8.4	220	56.000
2.0	0.6	2395.1	0730.0	18.8	8.0	8.4	220	56.000
5.0	1.5	2392.1	0729.1	18.7	8.0	8.4	225	55.000
10.0	3.0	2387.1	0727.6	18.7	8.0	8.4	225	54.000
15.0	4.5	2382.1	0726.0	18.7	8.0	8.4	225	54.000
20.0	6.0	2377.1	0724.5	18.6	8.0	8.4	225	53.000
25.0	7.6	2372.1	0723.0	18.3	8.0	8.1	225	53.000
30.0	9.1	2367.1	0721.5	18.3	8.0	8.0	230	52.000
35.0	10.6	2362.1	0719.9	18.2	8.0	8.1	230	47.000
40.0	12.1	2357.1	0718.4	18.2	8.0	8.0	230	42.000
45.0	13.7	2352.1	0716.9	18.1	8.0	8.0	230	42.000
50.0	15.2	2347.1	0715.4	18.0	7.9	8.0	240	43.000
55.0	16.7	2342.1	0713.8	17.8	7.9	7.9	245	36.000
60.0	18.2	2337.1	0712.3	17.1	7.9	8.1	250	34.000
65.0	19.8	2332.1	0710.8	16.8	7.9	8.2	255	33.000
70.0	21.3	2327.1	0709.3	16.5	7.9	8.0	255	27.000
77.0	23.4	2320.1	0707.1	16.1	7.8	7.9	265	22.000
82.0	24.9	2315.1	0705.6	16.0	7.8	7.8	265	19.000
87.0	26.5	2310.1	0704.1	16.0	7.7	7.7	265	19.000

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 18 SEP 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2391.7	0729.0	17.0	7.9	8.2	235	
1.0	0.3	2390.8	0728.7	17.0	7.9	8.2	235	46,000
2.0	0.6	2389.8	0728.4	17.0	7.9	8.3	235	46,000
5.0	1.5	2386.8	0727.5	17.0	7.9	8.3	235	46,000
10.0	3.0	2381.8	0725.9	16.9	7.9	8.3	235	45,000
15.0	4.5	2376.8	0724.4	16.9	7.9	8.2	235	43,000
20.0	6.0	2371.8	0722.9	16.8	7.9	8.2	235	42,000
25.0	7.6	2366.8	0721.4	16.8	7.9	8.2	235	42,000
30.0	9.1	2361.8	0719.9	16.6	7.9	8.2	240	46,000
35.0	10.6	2356.8	0718.3	16.5	7.8	8.1	245	41,000
40.0	12.1	2351.8	0716.8	16.3	7.8	8.3	245	34,000
45.0	13.7	2346.8	0715.3	16.0	7.8	8.4	245	31,000
50.0	15.2	2341.8	0713.8	15.9	7.8	8.4	245	24,000
55.0	16.7	2336.8	0712.2	15.5	7.8	8.5	250	22,000
60.0	18.2	2331.8	0710.7	15.0	7.8	8.7	260	18,000
65.0	19.8	2326.8	0709.2	12.9	7.8	8.8	270	8,000
71.0	21.6	2320.8	0707.4	12.8	7.8	8.8	270	7,000
81.0	24.6	2310.8	0704.3	12.8	7.8	8.8	270	6,000

WATER QUALITY SAMPLING DATE: 25 SEP 73

0.1	0.0	2385.4	0727.0	15.8	7.9	8.4	235	
1.0	0.3	2384.5	0726.7	15.8	7.9	8.4	235	25,000
2.0	0.6	2383.5	0726.4	15.8	7.9	8.4	235	28,000
5.0	1.5	2380.5	0725.5	15.8	7.9	8.4	235	27,000
10.0	3.0	2375.5	0724.0	15.8	7.9	8.4	235	27,000
15.0	4.5	2370.5	0722.5	15.8	7.9	8.4	235	27,000
20.0	6.0	2365.5	0721.0	15.7	7.9	8.4	240	27,000
25.0	7.6	2360.5	0719.4	15.6	7.9	8.4	240	27,000
30.0	9.1	2355.5	0717.9	15.6	7.9	8.4	240	26,000
35.0	10.6	2350.5	0716.4	15.4	7.9	8.4	240	26,000
40.0	12.1	2345.5	0714.9	15.4	7.9	8.5	240	18,000
45.0	13.7	2340.5	0713.3	15.2	7.9	8.5	240	14,000
50.0	15.2	2335.5	0711.8	15.2	7.8	8.5	245	10,000
55.0	16.7	2330.5	0710.3	15.0	7.8	8.6	245	6,600
60.0	18.2	2325.5	0708.8	14.1	7.8	8.6	250	8,200
66.0	20.1	2319.5	0706.9	12.8	7.8	8.7	275	7,000
76.0	23.1	2309.5	0703.9	12.8	7.8	8.7	275	3,000

WATER QUALITY SAMPLING DATE: 03 OCT 73

0.1	0.0	2380.7	0725.6	14.9	8.0	8.4	240	
1.0	0.3	2379.8	0725.3	14.9	8.0	8.4	240	33,000
2.0	0.6	2378.8	0725.0	14.9	8.0	8.4	240	32,000
5.0	1.5	2375.8	0724.1	14.8	8.0	8.4	240	32,000
10.0	3.0	2370.8	0722.6	14.8	8.0	8.4	240	32,000
15.0	4.5	2365.8	0721.1	14.8	8.0	8.4	240	31,000
20.0	6.0	2360.8	0719.5	14.8	8.0	8.4	240	32,000
25.0	7.6	2355.8	0718.0	14.8	8.0	8.4	240	32,000
30.0	9.1	2350.8	0716.5	14.7	8.0	8.4	240	32,000
35.0	10.6	2345.8	0715.0	14.6	8.0	8.4	240	32,000
40.0	12.1	2340.8	0713.4	14.5	7.9	8.4	240	27,000
45.0	13.7	2335.8	0711.9	14.1	7.9	8.4	245	16,000
50.0	15.2	2330.8	0710.4	14.0	7.9	8.4	245	17,000
55.0	16.7	2325.8	0708.9	13.8	7.8	8.3	250	21,000
60.0	18.2	2320.8	0707.3	12.1	7.8	8.4	265	17,000
70.0	21.3	2310.8	0704.3	12.1	7.8	8.4	265	5,000

TABLE 16. STATION NO. 12300110, LAKE KOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 09 OCT 73

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2378.2	0724.8	13.4	8.0	8.4	240	
1.0	0.3	2377.3	0724.6	13.4	8.0	8.4	240	30,000
2.0	0.6	2376.3	0724.2	13.4	8.0	8.4	240	30,000
5.0	1.5	2373.3	0723.3	13.2	8.0	8.4	240	29,000
10.0	3.0	2368.3	0721.8	13.1	8.0	8.4	240	29,000
15.0	4.5	2363.3	0720.3	13.1	8.0	8.4	240	28,000
20.0	6.0	2358.3	0718.8	13.0	8.0	8.4	240	28,000
25.0	7.6	2353.3	0717.2	12.8	8.0	8.4	240	29,000
30.0	9.1	2348.3	0715.7	12.8	7.9	8.3	240	28,000
35.0	10.6	2343.3	0714.2	12.4	7.9	8.3	245	20,000
40.0	12.1	2338.3	0712.7	12.4	8.0	8.3	245	19,000
45.0	13.7	2333.3	0711.1	12.2	8.0	8.5	245	19,000
50.0	15.2	2328.3	0709.6	12.0	8.0	8.6	245	23,000
56.0	17.0	2322.3	0707.8	10.8	7.9	8.7	265	19,000
66.0	20.1	2312.3	0704.7	10.6	7.9	8.7	265	2,500

WATER QUALITY SAMPLING DATE: 15 OCT 73

0.1	0.0	2375.5	0724.0	11.9	8.0	8.5	245	
1.0	0.3	2374.6	0723.7	11.9	8.0	8.5	245	25,000
2.0	0.6	2373.6	0723.4	11.9	8.0	8.5	245	25,000
5.0	1.5	2370.6	0722.5	11.9	8.0	8.4	245	25,000
10.0	3.0	2365.6	0721.0	11.9	7.9	8.4	245	25,000
15.0	4.5	2360.6	0719.5	11.9	7.9	8.4	245	25,000
20.0	6.0	2355.6	0718.0	11.9	7.9	8.4	240	25,000
25.0	7.6	2350.6	0716.4	11.9	7.9	8.4	240	25,000
30.0	9.1	2345.6	0714.9	11.9	7.9	8.3	240	22,000
35.0	10.6	2340.6	0713.4	11.8	7.9	8.3	240	17,000
40.0	12.1	2335.6	0711.9	11.2	7.9	8.3	245	20,000
45.0	13.7	2330.6	0710.3	11.0	7.9	8.3	245	22,000
50.0	15.2	2325.6	0708.8	10.9	7.9	8.4	245	2,200
56.0	17.0	2319.6	0707.0	10.1	7.9	8.4	250	14,000
66.0	20.1	2309.6	0703.9	9.8	7.9	8.5	255	9,000

WATER QUALITY SAMPLING DATE: 23 OCT 73

0.1	0.0	2371.9	0722.9	11.6	8.0	8.5	250	
1.0	0.3	2371.0	0722.7	11.6	8.0	8.5	250	50,000
2.0	0.6	2370.0	0722.4	11.6	8.0	8.5	250	49,000
5.0	1.5	2367.0	0721.4	11.6	8.0	8.5	250	48,000
10.0	3.0	2362.0	0719.9	11.6	8.0	8.5	250	49,000
15.0	4.5	2357.0	0718.4	11.4	7.9	8.5	240	50,000
20.0	6.0	2352.0	0716.9	11.4	7.9	8.4	240	48,000
25.0	7.6	2347.0	0715.3	11.2	7.9	8.5	245	47,000
30.0	9.1	2342.0	0713.8	11.0	7.9	8.6	245	44,000
35.0	10.6	2337.0	0712.3	10.8	7.9	8.7	245	35,000
40.0	12.1	2332.0	0710.8	10.2	7.9	8.8	250	32,000
45.0	13.7	2327.0	0709.2	10.0	7.9	8.9	250	26,000
52.0	15.8	2320.0	0707.1	8.2	7.8	9.1	280	10,000
62.0	18.8	2310.0	0704.1	8.2	7.8	9.1	280	8,400

WATER QUALITY SAMPLING DATE: 30 OCT 73

0.1	0.0	2370.3	0722.4	10.0	7.9	9.8	240	
1.0	0.3	2369.4	0722.2	10.0	7.9	9.8	240	25,000
2.0	0.6	2368.4	0721.9	10.0	7.9	9.8	240	25,000
5.0	1.5	2365.4	0720.9	10.0	7.9	9.8	240	25,000
10.0	3.0	2360.4	0719.4	10.0	7.9	9.8	240	25,000
15.0	4.5	2355.4	0717.9	10.0	7.9	9.9	240	25,000
20.0	6.0	2350.4	0716.4	10.0	7.9	10.0	240	25,000
25.0	7.6	2345.4	0714.8	10.0	7.9	10.0	240	20,000
30.0	9.1	2340.4	0713.3	9.8	7.9	10.0	250	14,000
35.0	10.6	2335.4	0711.8	9.4	7.9	10.0	250	12,000
40.0	12.1	2330.4	0710.3	9.0	7.9	10.0	255	5,600
45.0	13.7	2325.4	0708.7	8.2	7.8	10.1	255	8,800
51.0	15.5	2319.4	0706.9	8.0	7.8	10.1	255	4,000
55.0	16.7	2315.4	0705.7	8.0	7.8	10.1	255	3,300
61.0	18.5	2309.4	0703.9	8.0	7.8	10.1	255	2,300

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 12 NOV 73

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2365.2	0720.9	6.0	7.9	9.2	245	
1.0	0.3	2364.3	0720.6	6.0	7.9	9.2	245	12.500
2.0	0.6	2363.3	0720.3	6.0	7.9	9.2	245	13.000
5.0	1.5	2360.3	0719.4	5.8	7.9	9.5	245	13.000
10.0	3.0	2355.3	0717.9	4.0	7.9	10.0	245	9.600
15.0	4.5	2350.3	0716.3	4.0	7.9	10.1	245	7.900
20.0	6.0	2345.3	0714.8	3.8	7.9	10.1	245	7.400
25.0	7.6	2340.3	0713.3	3.8	7.9	10.3	245	6.800
30.0	9.1	2335.3	0711.8	3.8	7.9	10.4	245	6.600
35.0	10.6	2330.3	0710.2	3.6	7.9	10.5	245	5.800
40.0	12.1	2325.3	0708.7	3.6	7.9	10.5	245	3.800
45.0	13.7	2320.3	0707.2	3.6	7.9	10.6	245	3.800
50.0	15.2	2315.3	0705.7	3.4	7.9	10.6	245	3.500
55.0	16.7	2310.3	0704.1	3.4	7.9	10.6	245	3.300

WATER QUALITY SAMPLING DATE: 04 DEC 73

0.1	0.0	2365.0	0720.8	1.0	8.0	10.8	255	
1.0	0.3	2364.1	0720.5	1.0	8.0	10.8	255	3.700
2.0	0.6	2363.1	0720.2	1.0	8.0	10.8	255	3.700
5.0	1.5	2360.1	0719.3	1.0	8.0	10.8	255	3.600
10.0	3.0	2355.1	0717.8	1.0	8.0	10.8	255	3.600
15.0	4.5	2350.1	0716.3	1.0	8.0	10.8	255	3.500
20.0	6.0	2345.1	0714.8	1.0	8.0	10.8	255	3.500
25.0	7.6	2340.1	0713.2	1.0	8.0	10.7	255	3.400
30.0	9.1	2335.1	0711.7	1.0	8.0	10.7	255	3.000
35.0	10.6	2330.1	0710.2	1.8	8.0	10.5	245	2.600
40.0	12.1	2325.1	0708.7	1.8	8.0	10.5	245	2.500
47.0	14.3	2318.1	0706.5	2.8	8.0	10.2	240	4.000
57.0	17.3	2308.1	0703.5	2.8	8.0	10.4	240	4.500

WATER QUALITY SAMPLING DATE: 12 JUN 74

0.0	0.0	2368.9	0722.0	16.3	8.5	10.3	190	
0.8	0.2	2368.1	0721.8	15.9	8.5	10.3	185	0.010
1.0	0.3	2367.9	0721.7	14.9	8.4	9.8	185	0.010
2.0	0.6	2366.9	0721.4	12.0	8.3	10.1	175	0.000
4.3	1.3	2364.6	0720.7	11.1	8.2	10.2	180	0.000
5.0	1.5	2363.9	0720.5	11.1	8.2	10.2	185	0.000
10.0	3.0	2358.9	0719.0	10.5	8.2	10.3	175	0.000
15.0	4.5	2353.9	0717.4	10.3	8.2	10.5	175	0.000
20.0	6.0	2348.9	0715.9	10.2	8.2	10.6	175	0.000
25.0	7.6	2343.9	0714.4	10.0	8.2	10.5	175	0.000
30.0	9.1	2338.9	0712.9	10.0	8.2	10.5	170	0.000
35.0	10.6	2333.9	0711.3	10.0	8.2	10.4	170	0.000
40.0	12.1	2328.9	0709.8	10.0	8.2	10.4	170	0.000
45.0	13.7	2323.9	0708.3	10.0	8.2	10.4	170	0.000
49.0	14.9	2319.9	0707.1	10.0	8.2	10.4	170	0.000
59.0	17.9	2309.9	0704.0	10.0	8.2	10.4	170	0.000

WATER QUALITY SAMPLING DATE: 25 JUN 74

0.0	0.0	2428.2	0740.1	21.0	8.6	8.8	170	
0.9	0.2	2427.3	0739.8	20.8	8.6	8.8	170	0.010
2.3	0.7	2425.9	0739.4	20.5	8.6	9.0	165	0.004
5.1	1.5	2423.1	0738.5	18.8	8.4	9.4	165	0.000
10.0	3.0	2418.2	0737.0	13.7	8.2	9.4	150	0.000
15.0	4.5	2413.2	0735.5	12.2	8.2	9.4	150	0.000
20.0	6.0	2408.2	0734.0	11.8	8.2	9.4	150	0.000
25.0	7.6	2403.2	0732.5	11.2	8.1	9.3	145	0.000
30.0	9.1	2398.2	0730.9	11.0	8.0	9.4	145	0.000
35.0	10.6	2393.2	0729.4	10.6	8.0	9.5	145	0.000
40.0	12.1	2388.2	0727.9	10.6	8.0	9.5	145	0.000
45.0	13.7	2383.2	0726.4	10.6	8.0	9.5	145	0.000
50.0	15.2	2378.2	0724.8	10.6	8.0	9.5	145	0.000
55.0	16.7	2373.2	0723.3	10.6	8.1	9.5	145	0.000
60.0	18.2	2368.2	0721.8	10.6	8.2	9.5	145	0.000
65.0	19.8	2363.2	0720.3	10.5	8.2	9.5	145	0.000
70.0	21.3	2358.2	0718.8	10.5	8.3	9.6	145	0.000
75.0	22.8	2353.2	0717.2	10.5	8.3	9.6	145	0.000
80.0	24.3	2348.2	0715.7	10.5	8.4	9.6	145	0.000
85.0	25.9	2343.2	0714.2	10.5	8.5	9.6	145	0.000
90.0	27.4	2338.2	0712.7	10.5	8.6	9.7	145	0.000
96.0	29.2	2332.2	0710.8	10.5	8.6	9.7	145	0.000
106.0	32.3	2322.2	0707.8	10.5	8.7	9.7	145	0.000



TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 09 JUL 74

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2445.9	0745.5	16.1	8.1		170	
0.3	0.0	2445.6	0745.4	16.1	8.1	8.8	170	
1.0	0.3	2444.9	0745.2	16.0	8.1	8.8	170	
2.6	0.7	2443.3	0744.7	16.0	8.1	8.8	170	3.800
5.0	1.5	2440.9	0743.9	16.0	8.1		170	3.800
9.8	2.9	2436.1	0742.5	15.5	8.1	8.3	170	3.800
15.0	4.5	2430.9	0740.9	14.8	8.1		165	4.100
20.0	6.0	2425.9	0739.4	14.2	8.1		165	0.620
25.0	7.6	2420.9	0737.9	13.0	8.1		160	0.390
30.0	9.1	2415.9	0736.3	12.2	8.1		160	0.010
40.0	12.1	2405.9	0733.3	11.9	8.1		160	0.000
50.0	15.2	2395.9	0730.2	11.1	8.1		160	0.000
60.0	18.2	2385.9	0727.2	11.0	8.1		160	0.000
70.0	21.3	2375.9	0724.1	11.0	8.0		160	0.000
80.0	24.3	2365.9	0721.1	10.9	7.9		160	0.000
90.0	27.4	2355.9	0718.0	10.9	7.9		160	0.000
100.0	30.4	2345.9	0715.0	10.9	7.9		160	0.000
108.0	32.9	2337.9	0712.6	10.9	8.0	9.4	160	0.000
118.0	35.9	2327.9	0709.5	10.9	8.0		160	0.000

WATER QUALITY SAMPLING DATE: 23 JUL 74

0.0	0.0	2458.5	0749.3	19.4	8.4	9.2	170	
1.1	0.3	2457.4	0749.0	19.4	8.4	9.4	170	12.000
2.0	0.6	2456.5	0748.7	19.4	8.4	9.4	170	12.000
5.0	1.5	2453.5	0747.8	18.8	8.4	8.8	170	11.000
10.0	3.0	2448.5	0746.3	18.0	8.4	9.1	170	11.000
16.1	4.9	2442.4	0744.4	17.0	8.3	8.6	170	8.500
20.0	6.0	2438.5	0743.2	16.0	8.2	8.7	170	7.300
25.0	7.6	2433.5	0741.7	15.3	8.1	8.3	165	1.700
30.0	9.1	2428.5	0740.2	13.6	8.1	8.4	165	1.100
35.0	10.6	2423.5	0738.6	13.4	8.1	8.4	165	0.710
40.0	12.1	2418.5	0737.1	13.2	8.2	8.8	165	0.330
45.0	13.7	2413.5	0735.6	12.6	8.2	9.3	165	0.100
50.0	15.2	2408.5	0734.1	12.4	8.2	9.4	165	0.040
55.0	16.7	2403.5	0732.6	12.4	8.2	9.4	165	0.040
60.0	18.2	2398.5	0731.0	12.2	8.1	9.5	170	0.020
65.0	19.8	2393.5	0729.5	12.2	8.0	9.5	170	0.020
70.0	21.3	2388.5	0728.0	12.2	8.0	9.5	170	0.020
75.0	22.8	2383.5	0726.5	12.0	8.0	9.5	170	0.020
80.0	24.3	2378.5	0724.9	12.0	8.0	9.5	170	0.020
85.0	25.9	2373.5	0723.4	11.6	8.0	9.6	170	0.010
90.0	27.4	2368.5	0721.9	11.4	8.0	9.7	170	0.010
95.0	28.9	2363.5	0720.4	11.4	8.0	9.7	170	0.007
102.0	31.0	2356.5	0718.2	11.2	8.0	9.7	160	0.007
112.0	34.1	2346.5	0715.2	11.0	8.0	9.7	160	0.000

WATER QUALITY SAMPLING DATE: 06 AUG 74

0.0	0.0	2458.2	0749.2	20.6	8.3	8.2	175	
1.0	0.3	2457.2	0748.9	20.6	8.3	8.2	175	33.000
2.0	0.6	2456.2	0748.6	20.6	8.3	8.2	175	33.000
5.0	1.5	2453.2	0747.7	20.6	8.3	8.2	175	33.000
10.0	3.0	2448.2	0746.2	20.3	8.3	8.2	170	30.000
15.0	4.5	2443.2	0744.7	19.9	8.3	8.1	175	27.000
20.0	6.0	2438.2	0743.1	19.5	8.3	8.2	170	33.000
26.4	8.0	2431.8	0741.2	17.1	8.2	8.2	170	37.000
30.0	9.1	2428.2	0740.1	16.0	8.1	7.8	170	41.000
40.0	12.1	2418.2	0737.0	13.8	8.0	8.3	170	15.000
50.0	15.2	2408.2	0734.0	13.2	8.0	8.4	165	7.300
60.0	18.2	2398.2	0730.9	13.0	8.0	8.5	165	5.300
70.0	21.3	2388.2	0727.9	13.0	8.0	8.7	160	2.600
80.0	24.3	2378.2	0724.8	12.0	8.0	8.9	160	1.700
90.0	27.4	2368.2	0721.8	11.8	8.0	8.9	160	0.390
100.0	30.4	2358.2	0718.7	11.4	8.0	9.0	165	0.280
108.0	32.3	2352.2	0716.9	11.4	8.0	8.9	165	0.160
118.0	35.3	2342.2	0713.9	11.4	8.0	9.0	165	0.160

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 20 AUG 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2458.9	0749.4	17.4	8.4	8.2	135	
1.0	0.3	2457.9	0749.1	17.4	8.4	8.1	135	32.000
2.2	0.6	2456.7	0748.8	17.4	8.4	8.1	135	30.000
5.0	1.5	2453.9	0747.9	17.4	8.4	8.1	135	27.000
10.0	3.0	2448.9	0746.4	17.2	8.4	8.3	135	20.000
15.0	4.5	2443.9	0744.9	17.0	8.3	8.3	135	14.000
20.0	6.0	2438.9	0743.3	17.0	8.3	8.1	135	18.000
25.0	7.6	2433.9	0741.8	17.0	8.3	8.1	135	21.000
30.6	9.3	2428.3	0740.1	16.4	8.2	7.9	135	27.000
35.0	10.6	2423.9	0738.8	16.0	8.2	7.8	140	27.000
40.0	12.1	2418.9	0737.3	15.5	8.2	7.7	140	27.000
45.0	13.7	2413.9	0735.7	15.0	8.2	7.7	140	25.000
50.0	15.2	2408.9	0734.2	15.0	8.2	7.8	140	23.000
60.0	18.2	2398.9	0731.2	14.3	8.1	7.5	145	17.000
70.0	21.3	2388.9	0728.1	13.5	8.1	7.3	145	17.000
80.0	24.3	2378.9	0725.1	13.0	8.1	7.4	145	13.000
90.0	27.4	2368.9	0722.0	13.0	8.1	7.4	140	13.000
100.0	30.4	2358.9	0719.0	12.0	8.2	8.1	135	2.800
110.0	33.5	2348.9	0715.9	11.6	8.2	8.1	130	2.800
119.0	36.2	2339.9	0713.2	11.6	8.2	8.0	130	2.800
129.0	39.3	2329.9	0710.1	11.5	8.2	8.0	130	2.800

WATER QUALITY SAMPLING DATE: 04 SEP 74

0.0	0.0	2458.6	0749.3	17.9	7.9	8.2	175	
1.0	0.3	2457.6	0749.0	17.9	7.9	8.3	175	57.000
2.0	0.6	2456.6	0748.7	17.9	7.9	8.5	175	57.000
5.0	1.5	2453.6	0747.8	17.8	7.9	8.4	175	57.000
10.0	3.0	2448.6	0746.3	17.7	7.9	8.4	175	57.000
15.0	4.5	2443.6	0744.8	17.7	7.9	8.7	175	57.000
20.0	6.0	2438.6	0743.2	17.5	7.9	8.6	175	57.000
25.0	7.6	2433.6	0741.7	17.3	7.9	8.7	175	55.000
30.0	9.1	2428.6	0740.2	16.1	7.7	7.6	175	52.000
35.0	10.6	2423.6	0738.7	15.0	7.6	7.8	180	50.000
40.0	12.1	2418.6	0737.1	14.7	7.5	6.2	185	39.000
45.0	13.7	2413.6	0735.6	14.0	7.8	7.7	195	48.000
50.0	15.2	2408.6	0734.1	13.8	7.8	7.8	195	24.000
60.0	18.2	2398.6	0731.0	13.0	7.7	7.7	190	5.300
70.0	21.3	2388.6	0728.0	12.7	7.7	7.6	185	19.000
80.0	24.3	2378.6	0724.9	12.0	7.7	7.8	170	27.000
90.0	27.4	2368.6	0721.9	11.6	7.8	8.2	165	13.000
100.0	30.4	2358.6	0718.9	11.4	7.8	8.2	165	5.800
112.0	34.1	2346.6	0715.2	11.2	7.8	8.3	165	2.300
122.0	37.1	2336.6	0712.1	11.2	7.8	8.2	165	2.100

WATER QUALITY SAMPLING DATE: 17 SEP 74

0.0	0.0	2457.8	0749.1	16.8	8.3	8.6	180	
1.4	0.4	2456.4	0748.7	16.7	8.3	8.6	180	
2.0	0.6	2455.8	0748.5	16.5	8.3	8.6	180	50.000
5.0	1.5	2452.8	0747.6	16.5	8.3	8.6	180	50.000
10.0	3.0	2447.8	0746.1	16.4	8.3	8.7	180	50.000
15.0	4.5	2442.8	0744.5	16.4	8.3	8.6	180	48.000
20.0	6.0	2437.8	0743.0	16.4	8.3	8.6	180	48.000
25.0	7.6	2432.8	0741.5	16.2	8.3	8.5	180	45.000
30.0	9.1	2427.8	0740.0	16.0	8.3	8.4	180	48.000
35.4	10.7	2422.4	0738.3	15.9	8.1	7.8	180	45.000
40.0	12.1	2417.8	0736.9	15.1	8.1	6.9	190	37.000
45.0	13.7	2412.8	0735.4	15.0	8.1	7.0	190	28.000
50.0	15.2	2407.8	0733.9	14.1	8.0	6.9	215	33.000
60.0	18.2	2397.8	0730.8	13.9	8.0	6.9	215	39.000
70.0	21.3	2387.8	0727.8	13.1	8.0	7.1	205	39.000
80.0	24.3	2377.8	0724.7	12.8	8.0	7.2	190	30.000
90.0	27.4	2367.8	0721.7	11.8	8.0	7.6	170	12.000
100.0	30.4	2357.8	0718.6	11.5	8.0	7.9	170	9.800
110.0	33.5	2347.8	0715.6	11.3	8.0	7.8	170	6.300
122.0	37.1	2335.8	0711.9	11.2	8.0	7.8	170	4.900
132.0	40.2	2325.8	0708.9	11.2	8.0	7.7	170	4.700

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 02 OCT 74

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2452.6	0747.5	14.4	8.2	8.7	185	
1.0	0.3	2451.6	0747.2	14.4	8.2	8.7	185	37.000
2.0	0.6	2450.6	0746.9	14.4	8.2	8.7	185	37.000
5.0	1.5	2447.6	0746.0	14.4	8.2	8.3	185	37.000
10.0	3.0	2442.6	0744.5	14.4	8.2	8.4	185	37.000
15.0	4.5	2437.6	0742.9	14.4	8.2	8.4	185	37.000
20.0	6.0	2432.6	0741.4	14.4	8.2	8.3	185	37.000
25.0	7.6	2427.6	0739.9	14.4	8.1	8.2	185	37.000
30.0	9.1	2422.6	0738.4	14.4	8.1	8.3	185	37.000
35.0	10.6	2417.6	0736.8	14.4	8.2	8.4	185	37.000
40.0	12.1	2412.6	0735.3	14.4	8.2	8.3	185	37.000
50.0	15.2	2402.6	0732.3	14.0	8.0	7.7	200	28.000
60.0	18.2	2392.6	0729.2	13.5	8.0	7.1	215	9.200
70.0	21.3	2382.6	0726.2	13.0	8.0	7.5	215	21.000
80.0	24.3	2372.6	0723.1	12.6	8.0	7.4	210	27.000
90.0	27.4	2362.6	0720.1	12.2	7.9	7.3	210	21.000
100.0	30.4	2352.6	0717.0	12.0	7.9	7.1	200	20.000
110.0	33.5	2342.6	0714.0	11.3	7.9	6.8	175	11.000
119.0	36.2	2333.6	0711.2	11.0	7.9	6.5	170	0.330
129.0	39.3	2323.6	0708.2	11.0	7.9	6.4	170	0.190

WATER QUALITY SAMPLING DATE: 17 OCT 74

0.0	0.0	2439.9	0743.7	12.6	8.1	9.0	195	
1.0	0.3	2438.9	0743.4	12.6	8.1	9.0	195	27.000
2.7	0.8	2437.2	0742.8	12.6	8.1	9.1	195	27.000
5.0	1.5	2434.9	0742.1	12.6	8.1	9.1	195	25.000
10.0	3.0	2429.9	0740.6	12.6	8.1	9.1	195	25.000
15.0	4.5	2424.9	0739.1	12.6	8.0	9.2	195	25.000
20.0	6.0	2419.9	0737.6	12.6	8.0	9.1	195	25.000
25.2	7.6	2414.7	0736.0	12.6	8.0	9.0	195	25.000
30.0	9.1	2409.9	0734.5	12.6	8.0	9.1	195	25.000
35.0	10.6	2404.9	0733.0	12.6	8.0	9.0	195	25.000
40.0	12.1	2399.9	0731.5	12.6	8.0	9.3	195	24.000
50.0	15.2	2389.9	0728.4	12.4	8.0	8.8	195	27.000
60.0	18.2	2379.9	0725.4	12.4	8.0	8.8	195	25.000
70.0	21.3	2369.9	0722.3	12.2	8.0	8.8	195	24.000
80.0	24.3	2359.9	0719.3	12.2	8.0	8.8	200	23.000
90.0	27.4	2349.9	0716.2	12.0	8.0	8.8	210	7.300
100.0	30.4	2339.9	0713.2	11.2	8.0	8.4	220	0.010
104.0	31.6	2335.9	0712.0	11.0	8.0	8.4	225	4.500
114.0	34.7	2325.9	0708.9	11.0	8.0	8.5	225	2.600

WATER QUALITY SAMPLING DATE: 31 OCT 74

0.0	0.0	2427.5	0739.9	11.1	8.0	8.8	210	
1.0	0.3	2426.5	0739.6	11.1	8.0	8.8	210	35.000
2.0	0.6	2425.5	0739.3	11.1	8.0	8.8	210	35.000
5.0	1.5	2422.5	0738.4	11.1	8.0	8.8	210	35.000
10.0	3.0	2417.5	0736.8	11.1	8.0	8.8	210	35.000
15.0	4.5	2412.5	0735.3	11.1	8.0	8.8	210	35.000
20.0	6.0	2407.5	0733.8	11.1	8.0	8.8	210	35.000
25.0	7.6	2402.5	0732.3	11.1	8.0	8.8	210	32.000
30.0	9.1	2397.5	0730.7	11.1	8.0	8.8	210	32.000
35.0	10.6	2392.5	0729.2	11.1	8.0	9.2	210	32.000
40.0	12.1	2387.5	0727.7	11.1	8.0	8.7	210	32.000
45.0	13.7	2382.5	0726.2	11.1	8.0	8.7	210	32.000
50.0	15.2	2377.5	0724.6	11.0	8.0	8.7	210	32.000
60.0	18.2	2367.5	0721.6	11.0	8.0	8.7	210	32.000
70.0	21.3	2357.5	0718.5	11.0	8.0	8.6	210	29.000
80.0	24.3	2347.5	0715.5	10.8	8.0	8.6	220	18.000
90.0	27.4	2337.5	0712.4	10.0	7.9	8.1	230	13.000
98.0	28.6	2333.5	0711.2	9.5	7.9	8.6	235	7.300
104.0	31.6	2323.5	0708.2	9.5	7.9	8.6	235	8.500

WATER QUALITY SAMPLING DATE: 06 JUN 75

0.1	0.0	2351.1	0716.6	9.0	8.2	11.0	170	
1.0	0.3	2350.2	0716.3	9.0	8.2	11.0	170	0.000
2.0	0.6	2349.2	0716.0	8.6	8.2	11.0	170	0.000
5.0	1.5	2346.2	0715.1	8.2	8.2	10.9	175	0.000
10.0	3.0	2341.2	0713.6	8.2	8.2	10.9	175	0.000
15.0	4.5	2336.2	0712.0	8.2	8.2	10.9	175	0.000
20.0	6.0	2331.2	0710.5	8.2	8.2	10.9	175	0.000
26.0	7.9	2325.2	0708.7	8.2	8.2	10.9	175	0.000
36.0	10.9	2315.2	0705.6	8.2	8.2	10.9	175	0.000

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 27 JUN 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2405.5	0733.1	12.0	8.1	10.0	195	
1.0	0.3	2404.6	0732.9	12.0	8.1	10.0	195	0.050
2.0	0.6	2403.6	0732.6	12.0	8.1	10.0	195	0.050
5.0	1.5	2400.6	0731.7	12.0	8.1	10.0	195	0.040
10.0	3.0	2395.6	0730.1	12.0	8.1	10.0	195	0.030
15.0	4.5	2390.6	0728.6	11.9	8.1	10.0	195	0.010
20.0	6.0	2385.6	0727.1	11.9	8.1	10.0	195	0.010
25.0	7.6	2380.6	0725.6	11.8	8.1	10.0	195	0.010
30.0	9.1	2375.6	0724.0	11.8	8.1	9.9	195	0.002
40.0	12.1	2365.6	0721.0	11.5	8.1	9.9	195	0.001
50.0	15.2	2355.6	0717.9	11.5	8.1	10.0	195	0.000
60.0	18.2	2345.6	0714.9	11.2	8.1	10.0	190	0.000
70.0	21.3	2335.6	0711.8	10.9	8.1	10.2	190	0.000
80.0	24.3	2325.6	0708.8	10.9	8.1	10.2	190	0.000

WATER QUALITY SAMPLING DATE: 17 JUL 75

0.1	0.0	2433.7	0741.8	18.8	8.2	8.8	205	
1.0	0.3	2432.8	0741.5	18.8	8.2	8.8	205	
2.0	0.6	2431.8	0741.2	18.8	8.2	8.8	205	21.000
5.0	1.5	2428.8	0740.3	18.8	8.2	8.8	205	21.000
10.0	3.0	2423.8	0738.7	18.2	8.2	8.9	205	21.000
15.0	4.5	2418.8	0737.2	18.0	8.2	8.9	205	21.000
20.0	6.0	2413.8	0735.7	17.8	8.2	8.9	195	18.000
25.0	7.6	2408.8	0734.2	17.0	8.2	9.0	195	11.000
30.0	9.1	2403.8	0732.6	16.4	8.2	9.0	175	8.500
40.0	12.1	2393.8	0729.6	15.2	8.1	9.2	195	3.100
50.0	15.2	2383.8	0726.5	14.7	8.1	9.3	200	0.100
60.0	18.2	2373.8	0723.5	14.2	8.1	9.5	200	0.100
70.0	21.3	2363.8	0720.4	13.8	8.1	9.6	200	0.001

WATER QUALITY SAMPLING DATE: 31 JUL 75

0.1	0.0	2442.1	0744.3	19.8	8.5	8.6	200	
1.0	0.3	2441.2	0744.0	19.8	8.5	8.6	200	23.000
2.0	0.6	2440.2	0743.7	19.8	8.5	8.6	200	23.000
5.0	1.5	2437.2	0742.8	19.8	8.5	8.6	200	23.000
10.0	3.0	2432.2	0741.3	19.8	8.5	8.6	200	23.000
15.0	4.5	2427.2	0739.8	19.6	8.5	8.7	205	23.000
20.0	6.0	2422.2	0738.2	19.4	8.4	8.6	205	23.000
25.0	7.6	2417.2	0736.7	18.8	8.4	8.6	205	23.000
30.0	9.1	2412.2	0735.2	18.0	8.3	8.6	205	23.000
35.0	10.6	2407.2	0733.7	16.2	8.3	8.5	210	23.000
40.0	12.1	2402.2	0732.1	15.6	8.3	8.8	215	19.000
45.0	13.7	2397.2	0730.6	14.8	8.2	8.8	215	15.000
50.0	15.2	2392.2	0729.1	14.2	8.2	8.8	215	9.200
55.0	16.7	2387.2	0727.6	14.0	8.2	8.8	205	9.200
60.0	18.2	2382.2	0726.0	12.6	8.2	8.8	205	3.400
65.0	19.8	2377.2	0724.5	10.6	8.1	9.6	185	1.100
75.0	22.8	2367.2	0721.5	10.2	8.1	9.7	190	0.460
85.0	25.9	2357.2	0718.4	10.0	8.1	9.6	190	0.330
95.0	28.9	2347.2	0715.4	10.0	8.1	9.1	195	0.390
105.0	32.0	2337.2	0712.3	9.8	8.1	8.9	195	0.330

WATER QUALITY SAMPLING DATE: 15 AUG 75

0.1	0.0	2448.0	0746.1	19.2	8.3	8.5	205	
1.0	0.3	2447.1	0745.8	19.1	8.3	8.5	205	41.000
2.0	0.6	2446.1	0745.5	19.1	8.3	8.5	205	41.000
5.0	1.5	2443.1	0744.6	19.0	8.3	8.5	205	41.000
10.0	3.0	2438.1	0743.1	19.0	8.3	8.6	205	41.000
15.0	4.5	2433.1	0741.6	19.0	8.2	8.7	205	41.000
20.0	6.0	2428.1	0740.0	19.0	8.2	8.7	205	41.000
25.0	7.6	2423.1	0738.5	18.3	8.1	8.7	205	41.000
30.0	9.1	2418.1	0737.0	17.2	8.0	8.4	220	33.000
35.0	10.6	2413.1	0735.5	15.8	8.0	8.3	225	23.000
40.0	12.1	2408.1	0733.9	15.0	7.9	8.3	230	19.000
45.0	13.7	2403.1	0732.4	14.8	7.9	8.5	220	14.000
50.0	15.2	2398.1	0730.9	13.8	7.8	8.3	220	6.300
55.0	16.7	2393.1	0729.4	13.2	7.8	8.1	210	4.900
60.0	18.2	2388.1	0727.8	12.0	7.8	9.1	190	4.500
70.0	21.3	2378.1	0724.8	11.0	7.7	9.3	185	2.100
80.0	24.3	2368.1	0721.7	11.0	7.7	9.2	185	2.300
90.0	27.4	2358.1	0718.7	11.0	7.7	8.9	185	3.800
99.0	30.1	2349.1	0716.0	11.0	7.7	8.2	190	3.800
109.0	33.2	2339.1	0712.9	11.0	7.7	8.1	190	3.800

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 27 AUG 75

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2451.5	0747.2	18.0	8.2	8.6	220	
1.0	0.3	2450.6	0746.9	18.0	8.2	8.6	220	33.000
2.0	0.6	2449.6	0746.6	18.0	8.2	8.6	220	32.000
5.0	1.5	2446.6	0745.7	18.0	8.2	8.6	220	32.000
10.0	3.0	2441.6	0744.2	18.0	8.2	8.6	220	32.000
15.0	4.5	2436.6	0742.6	17.8	8.2	8.8	220	33.000
20.0	6.0	2431.6	0741.1	17.8	8.2	8.8	220	35.000
25.0	7.6	2426.6	0739.6	17.6	8.2	8.6	225	37.000
30.0	9.1	2421.6	0738.1	17.4	8.2	8.6	225	41.000
40.0	12.1	2411.6	0735.0	16.4	8.2	8.5	250	33.000
50.0	15.2	2401.6	0732.0	15.6	8.2	8.4	250	30.000
60.0	18.2	2391.6	0728.9	15.4	8.1	8.3	250	28.000
70.0	21.3	2381.6	0725.9	13.0	8.0	8.1	215	17.000
80.0	24.3	2371.6	0722.8	11.4	8.0	8.4	205	8.500
90.0	27.4	2361.6	0719.8	10.8	8.0	8.4	200	5.800
103.0	31.3	2348.6	0715.8	10.6	8.0	8.0	200	5.800
113.0	34.4	2338.6	0712.8	10.6	8.0	8.0	200	6.300

WATER QUALITY SAMPLING DATE: 12 SEP 75

0.0	0.0	2454.6	0748.1	16.8	8.3	9.0	225	
1.0	0.3	2453.6	0747.8	16.8	8.3	9.0	225	39.000
2.0	0.6	2452.6	0747.5	16.8	8.3	9.0	225	39.000
5.0	1.5	2449.6	0746.6	16.8	8.3	9.0	225	39.000
10.0	3.0	2444.6	0745.1	16.8	8.3	9.0	225	39.000
15.0	4.5	2439.6	0743.6	16.7	8.3	8.9	225	39.000
20.0	6.0	2434.6	0742.0	16.6	8.3	8.8	225	39.000
25.0	7.6	2429.6	0740.5	16.4	8.3	8.8	225	39.000
30.0	9.1	2424.6	0739.0	16.3	8.3	8.7	225	39.000
35.0	10.6	2419.6	0737.5	16.3	8.3	8.6	225	39.000
40.0	12.1	2414.6	0735.9	16.0	8.3	8.4	230	24.000
45.0	13.7	2409.6	0734.4	15.2	8.3	8.3	235	24.000
50.0	15.2	2404.6	0732.9	15.0	8.3	8.3	235	27.000
55.0	16.7	2399.6	0731.4	14.4	8.4	8.5	240	33.000
60.0	18.2	2394.6	0729.8	14.0	8.4	8.6	245	33.000
65.0	19.8	2389.6	0728.3	13.0	8.4	8.6	245	27.000
75.0	22.8	2379.6	0725.3	12.7	8.4	8.6	245	21.000
85.0	25.9	2369.6	0722.2	12.1	8.3	8.2	235	18.000
94.0	28.6	2360.6	0719.5	11.3	8.2	8.1	210	19.000
104.0	31.6	2350.6	0716.4	11.0	8.2	8.1	205	19.000

WATER QUALITY SAMPLING DATE: 26 SEP 75

0.0	0.0	2453.8	0747.9	15.6	8.3	9.1	230	
1.0	0.3	2452.8	0747.6	15.6	8.3	9.1	230	55.000
2.0	0.6	2451.8	0747.3	15.6	8.3	9.0	230	55.000
5.0	1.5	2448.8	0746.4	15.6	8.3	9.0	230	55.000
10.0	3.0	2443.8	0744.8	15.4	8.3	9.0	230	52.000
15.0	4.5	2438.8	0743.3	15.4	8.3	8.9	225	52.000
20.0	6.0	2433.8	0741.8	15.4	8.4	8.8	225	52.000
30.0	9.1	2423.8	0738.7	15.4	8.4	8.7	225	57.000
40.0	12.1	2413.8	0735.7	15.4	8.4	8.7	225	57.000
50.0	15.2	2403.8	0732.6	15.0	8.4	8.5	235	57.000
60.0	18.2	2393.8	0729.6	14.6	8.3	8.0	235	43.000
70.0	21.3	2383.8	0726.5	14.2	8.3	8.1	245	43.000
80.0	24.3	2373.8	0723.5	13.8	8.3	8.1	250	43.000
90.0	27.4	2363.8	0720.4	13.2	8.3	7.8	255	41.000
97.0	29.5	2356.8	0718.3	13.0	8.3	7.9	255	35.000
107.0	32.6	2346.8	0715.3	13.0	8.3	7.9	255	35.000

WATER QUALITY SAMPLING DATE: 08 OCT 75

0.0	0.0	2451.6	0747.2	14.4	8.2	9.0	235	
1.0	0.3	2450.6	0746.9	14.4	8.2	9.0	235	39.000
2.0	0.6	2449.6	0746.6	14.4	8.2	9.0	235	39.000
5.0	1.5	2446.6	0745.7	14.4	8.2	9.0	235	39.000
10.0	3.0	2441.6	0744.1	14.4	8.2	9.0	235	39.000
15.0	4.5	2436.6	0742.6	14.4	8.2	8.9	235	39.000
20.0	6.0	2431.6	0741.1	14.4	8.2	8.9	230	39.000
25.0	7.6	2426.6	0739.6	14.4	8.2	8.9	230	39.000
30.0	9.1	2421.6	0738.1	14.4	8.2	8.9	230	39.000
35.0	10.6	2416.6	0736.5	14.4	8.2	8.9	230	39.000
40.0	12.1	2411.6	0735.0	14.4	8.2	8.9	230	39.000
45.0	13.7	2406.6	0733.5	14.4	8.2	8.9	230	39.000
55.0	16.7	2396.6	0730.4	14.2	8.3	8.8	230	33.000
65.0	19.8	2386.6	0727.4	14.2	8.4	8.8	230	33.000
75.0	22.8	2376.6	0724.3	14.2	8.4	8.7	230	28.000
85.0	25.9	2366.6	0721.3	14.0	8.4	8.7	240	21.000
95.0	28.9	2356.6	0718.2	13.2	8.3	8.6	255	6.300

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 29 OCT 75

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2446.2	0745.6	11.2	8.3	9.2	230	
1.0	0.3	2445.2	0745.3	11.2	8.3	9.2	230	33.000
2.0	0.6	2444.2	0745.0	11.2	8.3	9.2	230	33.000
5.0	1.5	2441.2	0744.0	11.2	8.3	9.2	230	33.000
10.0	3.0	2436.2	0742.5	11.2	8.3	9.2	230	33.000
15.0	4.5	2431.2	0741.0	11.2	8.3	9.2	230	33.000
20.0	6.0	2426.2	0739.5	11.2	8.3	9.2	230	32.000
25.0	7.6	2421.2	0737.9	11.2	8.3	9.2	230	32.000
30.0	9.1	2416.2	0736.4	11.2	8.3	9.2	230	32.000
35.0	10.6	2411.2	0734.9	11.2	8.3	9.2	230	32.000
40.0	12.1	2406.2	0733.4	11.2	8.3	9.2	230	32.000
45.0	13.7	2401.2	0731.8	11.2	8.3	9.2	230	32.000
50.0	15.2	2396.2	0730.3	11.2	8.3	9.2	230	32.000
60.0	18.2	2386.2	0727.3	11.2	8.3	9.2	230	32.000
70.0	21.3	2376.2	0724.2	11.0	8.4	9.2	230	30.000
80.0	24.3	2366.2	0721.2	11.0	8.4	9.2	230	28.000
91.0	27.7	2355.2	0717.8	11.0	8.4	9.2	230	28.000
101.0	30.7	2345.2	0714.8	11.0	8.4	9.2	230	28.000

WATER QUALITY SAMPLING DATE: 25 JUN 76

0.0	0.0	2435.5	0742.3	12.4	8.4	9.6	180	
1.0	0.3	2434.5	0742.0	12.4	8.4	9.6	180	7.900
2.0	0.6	2433.5	0741.7	12.4	8.4	9.6	180	7.900
5.0	1.5	2430.5	0740.8	12.4	8.4	9.6	180	7.900
10.0	3.0	2425.5	0739.2	12.4	8.4	9.6	180	7.900
15.0	4.5	2420.5	0737.7	12.4	8.4	9.6	180	7.300
20.0	6.0	2415.5	0736.2	12.4	8.4	9.6	175	7.300
25.0	7.6	2410.5	0734.7	12.4	8.4	9.6	175	8.500
35.0	10.6	2400.5	0731.6	12.2	8.4	9.6	175	6.300
45.0	13.7	2390.5	0728.6	12.0	8.4	9.6	170	3.400
55.0	16.7	2380.5	0725.5	11.8	8.4	9.7	170	2.300
65.0	19.8	2370.5	0722.5	11.8	8.4	9.7	170	1.700
75.0	22.8	2360.5	0719.4	10.8	8.4	9.8	165	0.280
85.0	25.9	2350.5	0716.4	10.8	8.4	9.8	160	0.160

WATER QUALITY SAMPLING DATE: 08 JUL 76

0.1	0.0	2451.1	0747.0	17.8	8.9	10.7	180	7.900
1.0	0.3	2450.2	0746.8	17.8	8.9	10.7	180	7.900
2.0	0.6	2449.2	0746.5	17.8	8.9	10.7	180	7.900
5.0	1.5	2446.2	0745.6	17.8	8.9	10.7	180	7.900
10.0	3.0	2441.2	0744.0	17.8	8.9	10.7	180	6.800
15.0	4.5	2436.2	0742.5	13.9	8.9	10.5	175	4.900
20.0	6.0	2431.2	0741.0	12.9	8.7	10.3	170	7.900
25.0	7.6	2426.2	0739.5	12.4	8.7	10.0	165	13.000
35.0	10.6	2416.2	0736.4	11.8	8.7	9.8	155	11.000
45.0	13.7	2406.2	0733.4	11.4	8.7	9.8	155	0.810
55.0	16.7	2396.2	0730.3	11.2	8.7	9.8	160	0.160
65.0	19.8	2386.2	0727.3	11.2	8.7	9.8	165	0.280
75.0	22.8	2376.2	0724.2	10.9	8.7	9.8	165	0.710
85.0	25.9	2366.2	0721.2	10.4	8.6	9.8	165	1.200
95.0	28.9	2356.2	0718.1	10.1	8.6	9.6	170	1.200

WATER QUALITY SAMPLING DATE: 28 JUL 76

0.1	0.0	2458.8	0749.4	20.0	8.6	8.4	195	
1.0	0.3	2457.9	0749.1	19.6	8.6	8.8	195	28.000
2.0	0.6	2456.9	0748.8	18.8	8.7	9.0	195	27.000
5.0	1.5	2453.9	0747.9	18.6	8.7	9.0	195	25.000
10.0	3.0	2448.9	0746.4	18.4	8.7	9.1	195	25.000
15.0	4.5	2443.9	0744.9	18.2	8.7	9.0	195	25.000
20.0	6.0	2438.9	0743.3	18.2	8.7	9.0	195	27.000
25.0	7.6	2433.9	0741.8	18.0	8.7	8.8	190	27.000
30.0	9.1	2428.9	0740.3	18.0	8.6	8.6	190	27.000
35.0	10.6	2423.9	0738.8	17.5	8.6	8.6	195	27.000
45.0	13.7	2413.9	0735.7	16.6	8.6	8.6	190	27.000
55.0	16.7	2403.9	0732.7	15.2	8.5	8.7	185	9.800
65.0	19.8	2393.9	0729.6	14.0	8.4	8.6	180	8.500
75.0	22.8	2383.9	0726.6	13.0	8.4	8.8	175	7.900
85.0	25.9	2373.9	0723.5	12.4	8.3	8.8	175	6.300
95.0	28.9	2363.9	0720.5	11.4	8.2	9.2	175	2.800
105.0	32.0	2353.9	0717.4	11.0	8.2	8.8	170	2.600

TABLE 16. STATION NO. 12300110, LAKE KNOCCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 10 AUG 76

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2458.8	0749.4	18.8	8.6	8.7	190	
1.0	0.3	2457.9	0749.1	18.8	8.6	8.7	190	27.000
2.0	0.6	2456.9	0748.8	18.8	8.6	8.7	190	27.000
5.0	1.5	2453.9	0747.9	18.8	8.6	8.7	190	25.000
10.0	3.0	2448.9	0746.4	18.8	8.6	8.7	190	25.000
15.0	4.5	2443.9	0744.9	18.7	8.6	8.7	190	25.000
20.0	6.0	2438.9	0743.3	18.6	8.6	8.6	190	24.000
25.0	7.6	2433.9	0741.8	18.3	8.6	8.6	190	13.000
30.0	9.1	2428.9	0740.3	18.1	8.6	8.6	190	9.800
35.0	10.6	2423.9	0738.8	18.0	8.5	8.6	190	7.300
40.0	12.1	2418.9	0737.2	17.9	8.5	8.6	190	6.800
50.0	15.2	2408.9	0734.2	17.5	8.5	8.7	190	4.100
60.0	18.2	2398.9	0731.2	16.4	8.4	8.7	185	1.700
70.0	21.3	2388.9	0728.1	15.1	8.4	8.8	185	0.390
80.0	24.3	2378.9	0725.1	14.8	8.3	8.8	185	0.010
90.0	27.4	2368.9	0722.0	13.3	8.3	8.7	185	0.000
100.0	30.4	2358.9	0719.0	13.4	8.3	8.4	185	0.000
110.0	33.5	2348.9	0715.9	13.3	8.2	8.3	185	0.030

WATER QUALITY SAMPLING DATE: 02 SEP 76

0.0	0.0	2458.5	0749.3	17.6	8.4	8.8	190	
1.0	0.3	2457.5	0749.0	17.6	8.4	8.8	190	37.000
2.0	0.6	2456.5	0748.7	17.6	8.4	8.8	190	37.000
5.0	1.5	2453.5	0747.8	17.5	8.4	8.8	190	37.000
10.0	3.0	2448.5	0746.3	17.5	8.4	8.8	190	32.000
15.0	4.5	2443.5	0744.7	17.4	8.4	8.8	190	30.000
20.0	6.0	2438.5	0743.2	17.3	8.4	8.6	190	30.000
25.0	7.6	2433.5	0741.7	17.2	8.4	8.5	190	27.000
30.0	9.1	2428.5	0740.2	17.0	8.4	8.3	190	27.000
35.0	10.6	2423.5	0738.6	17.0	8.3	8.2	190	30.000
40.0	12.1	2418.5	0737.1	16.9	8.3	8.0	190	30.000
50.0	15.2	2408.5	0734.1	16.5	8.3	8.0	190	24.000
60.0	18.2	2398.5	0731.0	16.0	8.2	7.9	190	16.000
70.0	21.3	2388.5	0728.0	14.9	8.2	8.2	190	11.000
80.0	24.3	2378.5	0724.9	14.3	8.2	8.3	190	9.800
93.0	28.3	2365.5	0721.0	14.0	8.2	8.5	195	7.300
103.0	31.3	2355.5	0717.9	14.0	8.2	8.4	195	6.800

WATER QUALITY SAMPLING DATE: 15 SEP 76

0.0	0.0	2458.8	0749.4	16.8	8.3	8.5	185	
1.0	0.3	2457.8	0749.1	16.8	8.3	8.5	185	45.000
2.0	0.6	2456.9	0748.8	16.8	8.3	8.5	185	45.000
5.0	1.5	2453.8	0747.9	16.8	8.3	8.5	185	43.000
10.0	3.0	2448.8	0746.3	16.8	8.3	8.5	185	43.000
15.0	4.5	2443.8	0744.8	16.6	8.3	8.6	185	45.000
20.0	6.0	2438.8	0743.3	16.6	8.3	8.7	185	45.000
25.0	7.6	2433.8	0741.8	16.4	8.3	8.6	185	41.000
30.0	9.1	2428.8	0740.2	16.4	8.3	8.5	185	41.000
35.0	10.6	2423.8	0738.7	16.4	8.3	8.5	185	41.000
40.0	12.1	2418.8	0737.2	16.4	8.3	8.5	185	43.000
50.0	15.2	2408.8	0734.2	16.2	8.2	8.5	185	43.000
60.0	18.2	2398.8	0731.1	16.2	8.2	8.5	185	41.000
70.0	21.3	2388.8	0728.1	15.8	8.2	8.4	185	33.000
80.0	24.3	2378.8	0725.0	15.0	8.1	8.4	185	14.000
90.0	27.4	2368.8	0722.0	14.2	8.1	8.4	185	6.800
99.0	30.4	2359.8	0719.2	14.0	8.1	8.4	185	3.400
109.0	33.2	2349.8	0716.2	14.0	8.1	8.4	185	2.600

TABLE 16. STATION NO. 12300110, LAKE KODCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 28 SEP 76

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.0	0.0	2457.3	0748.9	16.8	8.5	9.1	190	
1.0	0.3	2456.3	0748.6	16.8	8.5	9.1	190	45.000
2.0	0.6	2455.3	0748.3	16.8	8.5	9.0	190	45.000
5.0	1.5	2452.3	0747.4	16.8	8.5	9.1	190	45.000
10.0	3.0	2447.3	0745.9	16.8	8.5	9.0	190	45.000
15.0	4.5	2442.3	0744.4	16.8	8.5	8.9	190	45.000
20.0	6.0	2437.3	0742.8	16.8	8.4	8.9	190	45.000
25.0	7.6	2432.3	0741.3	16.8	8.4	8.8	190	45.000
30.0	9.1	2427.3	0739.8	16.6	8.4	8.7	190	45.000
35.0	10.6	2422.3	0738.3	16.4	8.4	8.5	190	45.000
40.0	12.1	2417.3	0736.7	16.2	8.3	8.4	195	43.000
45.0	13.7	2412.3	0735.2	16.0	8.3	8.3	195	41.000
50.0	15.2	2407.3	0733.7	15.6	8.3	8.4	195	39.000
60.0	18.2	2397.3	0730.6	15.0	8.3	8.2	195	33.000
70.0	21.3	2387.3	0727.6	15.0	8.3	8.4	210	32.000
80.0	24.3	2377.3	0724.6	14.8	8.3	8.4	210	32.000
90.0	27.4	2367.3	0721.5	14.6	8.2	8.4	210	27.000
100.0	30.4	2357.3	0718.5	14.0	8.2	8.4	215	15.000
110.0	33.5	2347.3	0715.4	13.2	8.2	8.4	215	1.100
117.0	35.6	2340.3	0713.3	13.0	8.2	8.5	225	1.700
127.0	38.7	2330.3	0710.2	13.0	8.2	8.5	225	0.810

WATER QUALITY SAMPLING DATE: 13 OCT 76

0.0	0.0	2453.6	0747.8	15.0	8.4	8.8	195	
1.0	0.3	2452.6	0747.5	15.0	8.4	8.8	195	39.000
2.0	0.6	2451.6	0747.2	15.0	8.4	8.8	195	39.000
5.0	1.5	2448.6	0746.3	15.0	8.4	8.8	195	39.000
10.0	3.0	2443.6	0744.8	15.0	8.4	8.8	195	39.000
15.0	4.5	2438.6	0743.3	15.0	8.4	8.8	195	39.000
20.0	6.0	2433.6	0741.7	15.0	8.4	8.8	195	39.000
25.0	7.6	2428.6	0740.2	15.0	8.4	8.8	195	39.000
30.0	9.1	2423.6	0738.7	15.0	8.4	8.9	195	37.000
35.0	10.6	2418.6	0737.2	15.0	8.4	9.0	195	37.000
40.0	12.1	2413.6	0735.6	15.0	8.4	8.9	195	37.000
50.0	15.2	2403.6	0732.6	15.0	8.4	8.9	195	37.000
60.0	18.2	2393.6	0729.5	15.0	8.4	8.8	195	37.000
70.0	21.3	2383.6	0726.5	15.0	8.4	8.8	195	30.000
80.0	24.3	2373.6	0723.4	14.9	8.4	8.8	195	27.000
92.0	28.0	2361.6	0719.8	14.8	8.4	8.8	195	17.000
102.0	31.0	2351.6	0716.7	14.8	8.3	8.8	195	8.500

WATER QUALITY SAMPLING DATE: 27 OCT 76

1.0	0.3	2445.4	0745.3	12.9	8.4	9.5	200	19.000
2.0	0.6	2444.4	0745.0	12.9	8.4	9.5	200	19.000
5.0	1.5	2441.4	0744.1	12.9	8.4	9.5	200	19.000
10.0	3.0	2436.4	0742.6	13.0	8.4	9.5	200	19.000
15.0	4.5	2431.4	0741.1	12.8	8.4	9.5	200	19.000
20.0	6.0	2426.4	0739.5	12.9	8.4	9.6	200	19.000
25.0	7.6	2421.4	0738.0	12.9	8.4	9.5	200	19.000
30.0	9.1	2416.4	0736.5	12.8	8.4	9.7	200	18.000
35.0	10.6	2411.4	0735.0	12.8	8.4	9.5	200	17.000
45.0	13.7	2401.4	0731.9	12.8	8.4	9.7	200	17.000
55.0	16.7	2391.4	0728.9	12.5	8.4	9.6	200	17.000
65.0	19.8	2381.4	0725.8	12.5	8.4	9.4	200	17.000
75.0	22.8	2371.4	0722.8	12.5	8.4	9.5	200	17.000
85.0	25.9	2361.4	0719.7	12.5	8.4	9.6	200	17.000
95.0	28.9	2351.4	0716.7	12.5	8.4	9.4	200	17.000

WATER QUALITY SAMPLING DATE: 28 JUN 77

0.1	0.0	2413.0	0735.4	18.8	8.6	9.5	210	
1.5	0.4	2411.6	0735.0	18.8	8.6	9.5	210	23.000
5.0	1.5	2408.1	0734.0	18.8	8.6	9.4	210	20.000
10.0	3.0	2403.1	0732.4	18.8	8.6	9.4	210	19.000
15.0	4.5	2398.1	0730.9	18.5	8.6	9.4	210	17.000
20.0	6.0	2393.1	0729.4	18.4	8.6	9.4	210	19.000
25.0	7.6	2388.1	0727.9	18.1	8.5	9.5	210	13.000
30.0	9.1	2383.1	0726.3	17.9	8.5	9.5	210	11.000
35.0	10.6	2378.1	0724.8	17.8	8.5	9.5	210	11.000
40.0	12.1	2373.1	0723.3	17.0	8.5	9.5	205	16.000
45.0	13.7	2368.1	0721.8	16.5	8.5	9.5	205	16.000
55.0	16.7	2358.1	0718.7	15.4	8.3	9.4	200	5.300
65.0	19.8	2348.1	0715.7	14.9	8.3	9.4	195	2.100
75.0	22.8	2338.1	0712.6	13.9	8.2	9.4	200	2.600
80.0	24.3	2333.1	0711.1	12.7	8.1	9.5	205	2.300
93.0	28.3	2320.1	0707.1	10.5	8.0	9.3	215	0.620
103.0	31.3	2310.1	0704.1	10.4	8.0	9.2	215	0.620



TABLE 16. STATION NO. 12300110, LAKE KOOCANUISA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 12 JUL 77

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2414.1	0735.8	18.2	8.6	9.2	210	
1.5	0.4	2412.7	0735.3	18.2	8.6	9.2	210	32.000
5.0	1.5	2409.2	0734.3	18.1	8.6	9.2	210	30.000
10.0	3.0	2404.2	0732.8	18.0	8.6	9.2	210	28.000
15.0	4.5	2399.2	0731.2	18.0	8.6	9.2	210	27.000
20.0	6.0	2394.2	0729.7	17.8	8.5	9.2	210	27.000
25.0	7.6	2389.2	0728.2	17.5	8.5	9.2	210	25.000
30.0	9.1	2384.2	0726.7	17.3	8.5	9.2	210	24.000
35.0	10.6	2379.2	0725.1	17.0	8.5	9.2	215	30.000
40.0	12.1	2374.2	0723.6	16.9	8.5	9.2	215	32.000
45.0	13.7	2369.2	0722.1	16.1	8.5	9.2	225	32.000
50.0	15.2	2364.2	0720.6	15.4	8.4	9.4	225	32.000
55.0	16.7	2359.2	0719.0	15.2	8.4	9.3	230	27.000
60.0	18.2	2354.2	0717.5	14.9	8.3	9.3	220	24.000
65.0	19.8	2349.2	0716.0	13.2	8.2	9.0	215	20.000
70.0	21.3	2344.2	0714.5	11.3	8.1	8.9	215	18.000
75.0	22.8	2339.2	0712.9	11.0	8.1	8.9	220	18.000
80.0	25.2	2331.2	0710.5	10.3	8.0	8.6	220	18.000
93.0	28.3	2321.2	0707.5	10.3	8.0	8.2	220	18.000

WATER QUALITY SAMPLING DATE: 26 JUL 77

0.1	0.0	2411.7	0735.1	20.4	8.6	8.7	225	
1.5	0.4	2410.3	0734.6	20.4	8.6	8.8	225	32.000
3.0	0.9	2408.8	0734.2	20.4	8.6	9.0	225	32.000
5.0	1.5	2406.8	0733.6	20.4	8.6	9.0	225	32.000
10.0	3.0	2401.8	0732.0	20.3	8.6	9.0	220	32.000
15.0	4.5	2396.8	0730.5	20.1	8.6	9.0	220	32.000
20.0	6.0	2391.8	0729.0	18.8	8.6	9.0	220	30.000
25.0	7.6	2386.8	0727.5	18.1	8.5	8.9	225	28.000
30.0	9.1	2381.8	0726.0	18.0	8.5	8.9	225	27.000
35.0	10.6	2376.8	0724.4	17.7	8.5	8.7	230	27.000
40.0	12.1	2371.8	0722.9	17.2	8.4	8.4	230	25.000
45.0	13.7	2366.8	0721.4	16.8	8.4	8.6	230	27.000
50.0	15.2	2361.8	0719.9	16.4	8.4	8.6	240	27.000
55.0	16.7	2356.8	0718.3	16.2	8.4	8.4	240	27.000
60.0	18.2	2351.8	0716.8	15.9	8.3	8.4	240	27.000
65.0	19.8	2346.8	0715.3	13.1	8.0	7.7	230	27.000
70.0	21.3	2341.8	0713.8	11.9	8.0	7.6	225	28.000
75.0	22.8	2336.8	0712.2	11.1	7.9	7.5	225	27.000
80.0	25.2	2328.8	0709.8	10.3	7.9	7.4	225	27.000
93.0	28.3	2318.8	0706.7	10.2	7.8	7.2	235	19.000

WATER QUALITY SAMPLING DATE: 18 AUG 77

0.1	0.0	2409.2	0734.3	20.5	8.5	8.6	235	
1.5	0.4	2407.8	0733.9	20.4	8.5	8.6	235	33.000
3.0	0.9	2406.3	0733.4	20.1	8.5	8.6	240	28.000
5.0	1.5	2404.3	0732.8	19.8	8.5	8.7	240	28.000
10.0	3.0	2399.3	0731.3	19.6	8.5	8.9	240	28.000
15.0	4.5	2394.3	0729.8	18.9	8.5	8.9	240	21.000
20.0	6.0	2389.3	0728.2	18.4	8.5	8.9	240	21.000
25.0	7.6	2384.3	0726.7	18.0	8.4	8.6	245	24.000
30.0	9.1	2379.3	0725.2	17.5	8.3	8.2	250	25.000
35.0	10.6	2374.3	0723.7	17.1	8.3	8.1	255	33.000
40.0	12.1	2369.3	0722.1	17.0	8.3	7.9	255	30.000
45.0	13.7	2364.3	0720.6	17.0	8.2	7.9	250	30.000
50.0	15.2	2359.3	0719.0	16.9	8.2	7.7	250	33.000
55.0	16.7	2354.3	0717.6	16.3	8.1	7.5	245	27.000
60.0	18.2	2349.3	0716.0	16.0	8.0	7.1	240	30.000
65.0	19.8	2344.3	0714.5	15.3	7.9	6.9	240	27.000
70.0	21.3	2339.3	0713.0	14.6	7.9	7.0	235	37.000
75.0	22.8	2334.3	0711.5	13.2	7.8	6.3	235	37.000
80.0	24.3	2329.3	0709.9	11.9	7.9	6.6	235	21.000
90.0	27.4	2319.3	0706.9	11.1	7.7	6.3	240	25.000

TABLE 16. STATION NO. 12300110, LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 30 AUG 77

## WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2410.2	0734.6	18.4	8.6	8.5	240	20.000
3.0	0.9	2407.3	0733.7	18.4	8.6	8.5	240	18.000
7.0	2.1	2403.3	0732.5	18.4	8.6	8.5	240	17.000
10.0	3.0	2400.3	0731.6	18.4	8.6	8.5	240	15.000
13.0	3.9	2397.3	0730.7	18.4	8.6	8.4	240	13.000
16.0	4.8	2394.3	0729.7	18.4	8.6	8.4	240	11.000
20.0	6.0	2390.3	0728.5	18.4	8.6	8.4	240	12.000
23.0	7.0	2387.3	0727.6	18.4	8.6	8.4	240	14.000
26.0	7.9	2384.3	0726.7	18.4	8.6	8.4	240	15.000
30.0	9.1	2380.3	0725.5	18.4	8.6	8.4	240	15.000
33.0	10.0	2377.3	0724.6	18.4	8.6	8.4	240	15.000
36.0	10.9	2374.3	0723.7	18.2	8.6	8.4	245	15.000
39.0	11.8	2371.3	0722.7	18.2	8.6	8.4	245	15.000
43.0	13.1	2367.3	0721.5	18.2	8.6	8.4	245	15.000
46.0	14.0	2364.3	0720.6	18.2	8.6	8.4	245	15.000
49.0	14.9	2361.3	0719.7	18.0	8.5	8.4	250	13.000
52.0	15.8	2358.3	0718.8	18.0	8.5	8.4	250	8.500
56.0	17.0	2354.3	0717.6	18.0	8.5	8.4	250	7.300
59.0	17.9	2351.3	0716.6	18.0	8.5	8.4	250	6.800
62.0	18.8	2348.3	0715.7	18.0	8.5	8.4	250	5.800
66.0	20.1	2344.3	0714.5	17.8	8.4	8.4	250	6.300
69.0	21.0	2341.3	0713.6	17.8	8.4	8.5	250	5.800
72.0	21.9	2338.3	0712.7	17.2	8.4	8.5	255	1.200
75.0	22.8	2335.3	0711.8	16.8	8.4	8.5	255	0.620
79.0	24.0	2331.3	0710.5	16.2	8.4	8.5	260	0.390
82.0	24.9	2328.3	0709.6	16.0	8.3	8.4	260	0.280
85.0	25.9	2325.3	0708.7	16.0	8.3	8.3	255	0.160
89.0	27.1	2321.3	0707.5	15.8	8.2	8.3	255	0.130
92.0	28.0	2318.3	0706.6	15.4	8.2	8.2	255	0.230
95.0	28.9	2315.3	0705.7	14.8	8.2	7.8	260	0.390

WATER QUALITY SAMPLING DATE: 13 SEP 77

0.1	0.0	2412.8	0735.4	17.2	8.7	8.8	245	
1.5	0.4	2411.4	0735.0	17.2	8.7	8.8	245	32.000
3.0	0.9	2409.9	0734.5	17.2	8.7	8.8	245	30.000
5.0	1.5	2407.9	0733.9	17.2	8.7	8.9	245	30.000
10.0	3.0	2402.9	0732.4	17.2	8.7	8.9	245	32.000
15.0	4.5	2397.9	0730.8	17.0	8.6	8.9	245	32.000
20.0	6.0	2392.9	0729.3	17.0	8.6	8.9	245	32.000
25.0	7.6	2387.9	0727.8	17.0	8.6	8.9	245	30.000
30.0	9.1	2382.9	0726.3	17.0	8.6	8.8	245	32.000
35.0	10.6	2377.9	0724.7	17.0	8.6	8.8	245	27.000
40.0	12.1	2372.9	0723.2	17.0	8.6	8.8	245	21.000
45.0	13.7	2367.9	0721.7	16.6	8.6	8.9	245	23.000
50.0	15.2	2362.9	0720.2	16.2	8.6	8.9	245	23.000
55.0	16.7	2357.9	0718.7	15.4	8.5	9.2	250	13.000
60.0	18.2	2352.9	0717.1	14.4	8.4	9.1	255	1.300
65.0	19.8	2347.9	0715.6	14.2	8.4	9.0	255	0.920
70.0	21.3	2342.9	0714.1	14.2	8.4	9.0	255	0.810
75.0	22.8	2337.9	0712.6	14.0	8.2	8.8	245	0.620
80.0	24.3	2332.9	0711.0	12.0	8.0	7.2	245	4.500
84.0	25.6	2328.9	0709.8	10.4	7.9	6.0	245	6.800
94.0	28.6	2318.9	0706.8	10.4	7.9	6.0	245	7.300

WATER QUALITY SAMPLING DATE: 29 SEP 77

0.1	0.0	2412.1	0735.2	15.0	8.6	9.0	245	
1.5	0.4	2410.7	0734.8	15.0	8.6	9.0	245	32.000
3.0	0.9	2409.2	0734.3	15.0	8.6	9.0	245	32.000
5.0	1.5	2407.2	0733.7	15.0	8.6	9.0	245	32.000
10.0	3.0	2402.2	0732.2	15.0	8.6	9.0	245	32.000
15.0	4.5	2397.2	0730.6	15.0	8.6	9.0	245	32.000
20.0	6.0	2392.2	0729.1	15.0	8.6	9.0	245	32.000
25.0	7.6	2387.2	0727.6	15.0	8.6	9.0	245	32.000
30.0	9.1	2382.2	0726.1	15.0	8.6	9.0	245	32.000
35.0	10.6	2377.2	0724.5	15.0	8.6	9.0	245	32.000
40.0	12.1	2372.2	0723.0	15.0	8.6	9.0	245	32.000
45.0	13.7	2367.2	0721.5	15.0	8.6	9.0	245	32.000
50.0	15.2	2362.2	0720.0	15.0	8.6	9.0	245	33.000
55.0	16.7	2357.2	0718.4	15.0	8.6	9.1	245	33.000
60.0	18.2	2352.2	0716.9	14.8	8.6	9.2	245	25.000
65.0	19.8	2347.2	0715.4	14.4	8.6	9.2	250	30.000
70.0	21.3	2342.2	0713.9	14.0	8.6	9.4	250	27.000
75.0	22.8	2337.2	0712.4	12.8	8.6	9.8	255	23.000
83.0	25.2	2329.2	0709.9	12.6	8.6	9.8	260	12.000
93.0	28.3	2319.2	0706.9	12.6	8.6	9.7	260	7.300

TABLE 16. STATION NO. 12300110, LAKE KOCANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 29 JUN 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2441.7	0744.2	17.3	8.4	9.1	215	
1.5	0.4	2440.3	0743.8	17.2	8.4	9.1	220	35.000
3.0	0.9	2438.0	0743.3	17.0	8.4	9.1	220	35.000
5.0	1.5	2436.8	0742.7	16.8	8.4	9.1	215	35.000
10.0	3.0	2431.9	0741.2	16.3	8.4	9.1	215	28.000
15.0	4.5	2426.8	0739.7	16.0	8.4	9.2	210	27.000
20.0	6.0	2421.8	0738.1	14.9	8.4	9.3	210	23.000
25.0	7.6	2416.8	0736.6	14.6	8.4	9.4	210	27.000
30.0	9.1	2411.8	0735.1	14.3	8.3	9.5	205	24.000
35.0	10.6	2406.8	0733.6	14.3	8.3	9.6	205	18.000
40.0	12.1	2401.8	0732.0	14.0	8.3	9.7	200	13.000
45.0	13.7	2396.8	0730.5	13.7	8.3	9.7	195	5.300
50.0	15.2	2391.8	0729.0	13.1	8.2	9.7	200	2.600
55.0	16.7	2386.8	0727.5	12.4	8.2	9.8	195	0.160
65.0	19.8	2376.8	0724.4	11.9	8.2	9.9	190	0.040
75.0	22.9	2366.8	0721.4	11.6	8.2	9.9	190	0.001
85.0	25.9	2356.8	0718.3	11.3	8.2	9.9	195	0.001
95.0	28.9	2346.8	0715.3	11.0	8.2	9.9	205	0.007
105.0	32.0	2336.8	0712.2	10.8	8.2	9.9	205	0.070
115.0	35.0	2326.8	0709.2	9.8	8.2	9.8	215	0.100
125.0	38.1	2316.8	0706.1	8.8	8.1	9.8	220	0.040

WATER QUALITY SAMPLING DATE: 13 JUL 78

0.1	0.0	2452.4	0747.5	18.0	8.4	8.9	215	
1.5	0.4	2451.0	0747.0	17.8	8.4	9.0	215	2.300
3.0	0.9	2449.5	0746.6	17.6	8.4	9.0	215	2.100
5.0	1.5	2447.5	0746.0	17.4	8.4	9.0	215	2.300
10.0	3.0	2442.5	0744.5	17.2	8.4	9.0	220	8.500
15.0	4.5	2437.5	0742.9	16.8	8.4	9.0	215	9.800
20.0	6.0	2432.5	0741.4	16.4	8.3	9.0	210	11.000
25.0	7.6	2427.5	0739.9	16.0	8.3	9.1	205	11.000
30.0	9.1	2422.5	0738.4	15.5	8.3	9.1	205	8.500
35.0	10.6	2417.5	0736.8	15.3	8.2	9.2	200	3.800
40.0	12.1	2412.5	0735.3	14.5	8.2	9.3	200	3.400
45.0	13.7	2407.5	0733.8	14.0	8.2	9.4	195	1.500
50.0	15.2	2402.5	0732.3	14.0	8.2	9.5	195	0.920
60.0	18.2	2392.5	0729.2	13.2	8.2	9.6	190	0.460
70.0	21.3	2382.5	0726.2	12.8	8.2	9.7	185	0.280
80.0	24.3	2372.5	0723.1	12.4	8.2	9.7	185	0.230
90.0	27.4	2362.5	0720.1	11.6	8.2	9.7	195	0.280
100.0	30.4	2352.5	0717.0	10.4	8.2	9.8	200	0.330
110.0	33.5	2342.5	0714.0	10.0	8.2	9.8	210	0.530
125.0	38.1	2327.5	0709.4	8.8	8.1	9.7	220	0.810
135.0	41.1	2317.5	0706.4	9.0	8.1	9.7	220	0.810

WATER QUALITY SAMPLING DATE: 27 JUL 78

0.1	0.0	2458.2	0749.2	20.1			210	
1.5	0.4	2456.8	0748.8	20.1	8.5	8.8	210	23.000
3.0	0.9	2455.3	0748.3	20.1	8.5	8.8	210	23.000
5.0	1.5	2453.3	0747.7	20.3	8.5	8.8	205	23.000
10.0	3.0	2448.3	0746.2	19.7	8.5	8.8	210	23.000
15.0	4.5	2443.3	0744.7	18.3	8.3	8.7	210	11.000
20.0	6.0	2438.3	0743.1	17.9	8.3	8.6	210	11.000
25.0	7.6	2433.3	0741.6	16.9	8.2	8.6	205	14.000
30.0	9.1	2428.3	0740.1	16.3	8.2	8.5	205	17.000
35.0	10.6	2423.3	0738.6	16.1	8.1	8.5	205	16.000
40.0	12.1	2418.3	0737.0	15.9	8.1	8.5	205	14.000
45.0	13.7	2413.3	0735.5	15.8	8.1	8.5	205	12.000
50.0	15.2	2408.3	0734.0	15.3	8.1	8.5	200	12.000
55.0	16.7	2403.3	0732.5	15.0	8.1	8.5	205	13.000
60.0	18.2	2398.3	0731.0	14.5	8.1	8.6	200	7.900
70.0	21.3	2388.3	0727.9	13.8	8.1	8.7	200	1.900
80.0	24.3	2378.3	0724.9	13.1	8.1	8.9	205	1.700
90.0	27.4	2368.3	0721.8	11.2	8.1	9.1	200	0.810
100.0	30.4	2358.3	0718.8	10.6	8.1	9.1	200	1.200
115.0	35.0	2343.3	0714.2	9.8	8.0	9.0	210	1.100
130.0	39.6	2328.3	0709.6	9.3	8.0	9.0	215	1.300
140.0	42.6	2318.3	0706.6	9.0	8.0	9.0	225	0.910

WATER QUALITY SAMPLING DATE: 10 AUG 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2459.1	0749.2	22.7	8.6	8.5	210	
1.5	0.4	2456.7	0748.8	22.4	8.6	8.6	210	35.000
3.0	0.9	2455.2	0748.3	22.0	8.6	8.7	215	32.000
5.0	1.5	2453.2	0747.7	22.0	8.6	8.7	215	27.000
10.0	3.0	2448.2	0746.2	21.7	8.6	8.9	215	14.000
15.0	4.5	2443.2	0744.6	20.6	8.6	8.8	210	12.000
20.0	6.0	2438.2	0743.1	19.7	8.5	8.2	215	12.000
25.0	7.6	2433.2	0741.6	18.8	8.3	8.1	210	15.000
30.0	9.1	2428.2	0740.1	18.2	8.3	8.0	215	21.000
35.0	10.6	2423.2	0738.5	17.8	8.3	8.0	215	23.000
40.0	12.1	2418.2	0737.0	17.2	8.2	8.0	230	35.000
45.0	13.7	2413.2	0735.5	16.3	8.0	8.1	235	37.000
50.0	15.2	2408.2	0734.0	15.8	8.2	8.1	200	35.000
55.0	16.7	2403.2	0732.4	14.7	8.0	8.3	225	27.000
60.0	18.2	2398.2	0730.9	13.7	8.0	8.5	200	20.000
65.0	19.8	2393.2	0729.4	13.2	8.0	8.6	205	18.000
70.0	21.3	2388.2	0727.9	12.2	8.1	9.0	200	12.000
80.0	24.3	2378.2	0724.8	11.3	8.1	9.1	195	11.000
90.0	27.4	2368.2	0721.8	11.0	8.1	9.1	200	5.300
100.0	30.4	2358.2	0718.7	10.2	8.1	9.2	210	4.100
110.0	33.5	2348.2	0715.7	9.6	8.1	9.2	215	3.100
120.0	36.5	2338.2	0712.6	9.2	8.0	9.2	225	3.800
128.0	39.0	2330.2	0710.2	9.2	8.0	9.2	225	3.100
138.0	42.0	2320.2	0707.1	9.2	8.0	9.3	225	3.100

WATER QUALITY SAMPLING DATE: 31 AUG 78

0.1	0.0	2458.3	0749.2	18.4	8.5	8.7	225	
1.5	0.4	2456.9	0748.8	18.4	8.5	8.7	225	25.000
3.0	0.9	2455.4	0748.4	18.4	8.5	8.7	225	24.000
5.0	1.5	2453.4	0747.7	18.4	8.5	8.6	225	24.000
10.0	3.0	2448.4	0746.2	18.2	8.5	8.6	220	24.000
15.0	4.5	2443.4	0744.7	18.0	8.4	8.5	220	21.000
20.0	6.0	2438.4	0743.2	17.9	8.4	8.3	215	21.000
25.0	7.6	2433.4	0741.7	17.7	8.4	8.2	215	16.000
30.0	9.1	2428.4	0740.1	17.7	8.4	8.2	215	16.000
35.0	10.6	2423.4	0738.6	17.5	8.4	8.0	215	16.000
40.0	12.1	2418.4	0737.1	17.1	8.3	7.9	230	18.000
45.0	13.7	2413.4	0735.6	16.3	8.2	7.7	240	19.000
50.0	15.2	2408.4	0734.0	15.3	8.2	7.5	245	20.000
55.0	16.7	2403.4	0732.5	14.8	8.1	7.4	245	16.000
60.0	18.2	2398.4	0731.0	14.5	8.1	7.4	250	13.000
65.0	19.8	2393.4	0729.5	13.8	8.1	7.4	240	13.000
70.0	21.3	2388.4	0727.9	13.2	8.1	8.0	215	13.000
75.0	22.8	2383.4	0726.4	12.1	8.1	8.3	200	21.000
85.0	25.9	2373.4	0723.4	11.3	8.1	8.4	205	23.000
95.0	28.9	2363.4	0720.3	10.8	8.1	8.4	205	20.000
105.0	32.0	2353.4	0717.3	10.4	8.1	8.5	215	18.000
115.0	35.0	2343.4	0714.2	9.8	8.1	8.8	215	13.000
127.0	38.7	2331.4	0710.6	9.3	8.0	9.0	225	11.000
137.0	41.7	2321.4	0707.5	9.3	8.0	9.2	225	11.000

WATER QUALITY SAMPLING DATE: 14 SEP 78

0.1	0.0	2457.5	0749.0	16.1	8.5	8.5	215	
1.5	0.4	2456.1	0748.6	16.1	8.5	8.5	215	9.200
3.0	0.9	2454.6	0748.1	16.1	8.5	8.5	215	9.200
5.0	1.5	2452.6	0747.5	16.1	8.5	8.5	215	9.200
10.0	3.0	2447.6	0746.0	16.0	8.5	8.5	215	9.200
15.0	4.5	2442.6	0744.5	16.0	8.4	8.5	215	9.200
20.0	6.0	2437.6	0742.9	16.0	8.4	8.5	215	7.900
25.0	7.6	2432.6	0741.4	16.0	8.4	8.5	215	7.900
30.0	9.1	2427.6	0739.9	16.0	8.4	8.5	215	16.000
35.0	10.6	2422.6	0738.4	16.0	8.4	8.5	215	25.000
40.0	12.1	2417.6	0736.8	15.9	8.4	8.3	215	30.000
45.0	13.7	2412.6	0735.3	15.0	8.3	8.3	215	32.000
50.0	15.2	2407.6	0733.8	15.5	8.3	8.2	225	32.000
55.0	16.7	2402.6	0732.3	14.9	8.2	8.2	235	32.000
60.0	18.2	2397.6	0730.7	14.4	8.2	8.0	235	27.000
70.0	21.3	2387.6	0727.7	13.7	8.2	8.0	245	13.000
80.0	24.3	2377.6	0724.6	12.3	8.1	7.8	185	17.000
90.0	27.4	2367.6	0721.6	11.5	8.1	7.8	205	25.000
100.0	30.4	2357.6	0718.5	11.5	8.1	7.9	195	30.000
115.0	35.0	2347.6	0714.0	8.5	8.0	7.9	205	30.000
127.0	38.7	2330.6	0710.3	9.0	7.9	8.2	210	27.000
137.0	41.7	2320.6	0707.3	8.8	7.9	8.2	220	21.000

TABLE 16. STATION NO. 12300110, LAKE KOOCHANUSA AT INTERNATIONAL BOUNDARY

WATER QUALITY SAMPLING DATE: 28 SEP 78

WATER COLUMN PROFILE DATA

DEPTH FROM SURFACE (FT)	DEPTH FROM SURFACE (M)	LAKE ELEVATION (FT AMSL)	LAKE ELEVATION (M AMSL)	WATER TEMPERATURE (DEG C)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	CONDUCTANCE AT 25C (MICROMHOS)	LIGHT TRANSMISSIBILITY (PERCENT)
0.1	0.0	2455.8	0748.5	15.2	8.5	9.0	235	
1.5	0.4	2454.4	0748.1	15.2	8.5	9.0	235	
3.0	0.9	2452.0	0747.6	15.2	8.5	9.0	235	32.000
5.0	1.5	2450.9	0747.0	15.2	8.5	9.0	235	32.000
10.0	3.0	2445.0	0745.5	15.2	8.5	9.0	235	32.000
15.0	4.5	2440.0	0743.9	15.1	8.5	9.0	235	32.000
20.0	6.0	2435.0	0742.4	15.1	8.5	9.0	235	32.000
25.0	7.6	2430.9	0740.9	15.1	8.5	9.0	235	32.000
30.0	9.1	2425.0	0739.4	15.1	8.5	9.0	235	32.000
35.0	10.6	2420.0	0737.8	15.1	8.5	9.0	235	32.000
40.0	12.1	2415.0	0736.3	15.1	8.5	9.0	235	32.000
45.0	13.7	2410.0	0734.8	15.1	8.4	9.0	235	32.000
50.0	15.2	2405.0	0733.3	15.0	8.4	8.9	235	32.000
60.0	18.2	2395.0	0730.2	14.9	8.4	8.9	235	32.000
70.0	21.3	2385.0	0727.2	14.3	8.4	8.9	240	32.000
80.0	24.3	2375.0	0724.1	13.8	8.4	8.9	245	9.800
90.0	27.4	2365.0	0721.1	13.4	8.4	8.8	245	4.900
95.0	28.9	2360.0	0719.6	13.0	8.3	8.5	250	2.600
100.0	30.4	2355.0	0718.0	11.0	8.1	8.2	215	2.100
105.0	32.0	2350.0	0716.5	10.1	8.1	7.4	220	17.000
115.0	35.0	2340.0	0713.5	9.1	8.1	7.0	235	24.000
127.0	38.7	2328.0	0709.8	8.8	8.0	6.6	240	21.000
137.0	41.7	2318.9	0706.8	8.8	8.0	6.3	240	15.000

WATER QUALITY SAMPLING DATE: 11 OCT 78

0.1	0.0	2452.5	0747.5	14.3	8.4	9.1	210	
1.5	0.4	2451.1	0747.0	14.3	8.4	9.1	210	
3.0	0.9	2449.6	0746.6	14.3	8.4	9.1	210	37.000
5.0	1.5	2447.6	0746.0	14.3	8.4	9.1	210	37.000
10.0	3.0	2442.6	0744.5	14.3	8.4	9.1	210	37.000
15.0	4.5	2437.6	0742.9	14.3	8.4	9.0	210	37.000
20.0	6.0	2432.6	0741.4	14.3	8.4	9.0	210	37.000
25.0	7.6	2427.6	0739.9	14.3	8.4	9.0	210	37.000
30.0	9.1	2422.6	0738.4	14.3	8.4	9.0	215	37.000
35.0	10.6	2417.6	0736.8	14.3	8.4	8.9	215	35.000
40.0	12.1	2412.6	0735.3	14.3	8.4	8.9	220	35.000
45.0	13.7	2407.6	0733.8	14.2	8.3	8.9	220	33.000
50.0	15.2	2402.6	0732.3	14.1	8.3	8.9	220	33.000
60.0	18.2	2392.6	0729.2	14.1	8.3	8.9	220	30.000
70.0	21.3	2382.6	0726.2	14.0	8.3	8.9	220	23.000
80.0	24.3	2372.6	0723.1	14.0	8.3	8.9	220	9.200
90.0	27.4	2362.6	0720.1	13.9	8.3	8.8	220	9.800
100.0	30.4	2352.6	0717.0	13.9	8.3	8.8	225	24.000
110.0	33.5	2342.6	0714.0	13.4	8.3	8.7	230	24.000
115.0	35.0	2337.6	0712.5	12.4	8.3	8.6	230	4.100
124.0	37.7	2328.6	0709.7	11.6	8.3	8.4	240	2.100
134.0	40.8	2318.6	0706.7	11.6	8.2	8.4	240	1.700

WATER QUALITY SAMPLING DATE: 24 OCT 78.

0.1	0.0	2450.3	0746.8	12.0	8.5	9.5	210	
1.5	0.4	2448.9	0746.4	12.0	8.5	9.5	210	
3.0	0.9	2447.0	0745.9	12.0	8.5	9.5	210	32.000
5.0	1.5	2445.0	0745.3	12.0	8.5	9.5	210	32.000
10.0	3.0	2440.0	0743.8	12.0	8.5	9.5	210	32.000
15.0	4.5	2435.0	0742.3	12.0	8.5	9.5	210	32.000
20.0	6.0	2430.0	0740.7	12.0	8.5	9.5	210	32.000
25.0	7.6	2425.0	0739.2	12.0	8.5	9.5	210	32.000
30.0	9.1	2420.0	0737.7	12.0	8.5	9.5	210	32.000
35.0	10.6	2415.0	0736.2	12.0	8.5	9.5	210	32.000
40.0	12.1	2410.0	0734.6	12.0	8.5	9.5	210	32.000
45.0	13.7	2405.0	0733.1	12.0	8.5	9.5	210	32.000
50.0	15.2	2400.0	0731.6	12.0	8.5	9.5	210	32.000
60.0	18.2	2390.0	0728.5	11.9	8.5	9.4	210	32.000
70.0	21.3	2380.0	0725.5	11.9	8.4	9.4	210	32.000
80.0	24.3	2370.0	0722.4	11.9	8.4	9.3	210	28.000
90.0	27.4	2360.0	0719.4	11.8	8.4	9.3	210	28.000
100.0	30.4	2350.0	0716.4	11.8	8.4	9.3	210	28.000
110.0	33.5	2340.0	0713.3	11.0	8.3	9.2	220	24.000
121.0	36.8	2329.0	0710.0	10.3	8.3	9.2	225	4.900
131.0	39.6	2319.0	0706.9	10.3	8.3	9.2	225	3.800

TABLE 17. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION 0200100

00003 DEPTH FROM SURFACE FEET	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO	00003 DEPTH FROM SURFACE FEET	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO		
WATER QUALITY SAMPLING DATE - 26 JULY 1972					WATER QUALITY SAMPLING DATE - 23 JULY 1974						
3	0.9	18.6	8.2	8.9	210	1	0.3	19.4	--	7.9	--
25	7.6	15.4	8.1	8.7	200	3	0.9	19.4	8.3	7.9	155
55	17	12.8	8.0	8.9	200	10	3.0	18.5	--	7.8	--
75	23	11.1	7.9	8.8	220	20	6.1	16.5	--	7.6	--
85	26	11.1	8.0	8.7	220	30	9.1	14.2	--	6.9	--
WATER QUALITY SAMPLING DATE - 23 JULY 1973					WATER QUALITY SAMPLING DATE - 16 AUGUST 1973						
3	0.9	18.5	8.3	8.6	260	40	12	13.8	--	7.2	--
30	9.1	17.0	8.0	8.6	250	50	15	12.8	--	7.9	--
65	20	14.0	8.1	8.3	250	58	18	12.6	8.0	8.0	155
85	26	11.0	8.0	8.5	230	60	18	12.6	--	8.0	--
95	29	10.5	8.1	7.7	230	70	21	12.5	--	8.0	--
WATER QUALITY SAMPLING DATE - 16 AUGUST 1973					WATER QUALITY SAMPLING DATE - 19 AUGUST 1974						
3	0.9	20.0	8.2	7.0	240	80	24	12.4	--	8.0	--
35	11	19.0	8.1	6.9	250	90	27	12.0	--	8.0	--
75	23	14.0	7.9	6.0	270	100	30	11.6	--	8.0	--
95	29	12.0	7.8	5.7	238	112	34	11.3	8.0	7.9	128
108	33	12.0	7.9	5.6	240	115	35	11.3	--	7.9	--
WATER QUALITY SAMPLING DATE - 03 OCTOBER 1973					WATER QUALITY SAMPLING DATE - 24 SEPTEMBER 1974						
1	0.3	15.6	--	8.4	--	1	0.3	16.4	--	8.3	--
10	3.0	15.5	8.3	8.4	250	3	0.9	16.4	8.4	8.3	220
20	6.1	15.5	--	8.2	--	10	3.0	16.3	--	8.4	--
30	9.1	15.4	--	8.1	--	20	6.1	16.2	--	8.3	--
35	11	15.4	8.3	8.0	255	30	9.1	16.1	--	8.1	--
40	12	15.4	--	7.9	--	40	12	14.4	--	6.8	--
50	15	15.0	--	8.0	--	50	15	13.7	--	7.0	--
60	18	13.2	--	8.4	--	60	18	13.4	--	6.8	--
65	20	12.8	8.2	8.0	300	66	20	13.2	8.1	7.0	270
70	21	12.8	--	8.4	--	70	21	13.1	--	7.1	--
74	23	12.8	--	8.0	--	80	24	12.2	--	7.2	--
WATER QUALITY SAMPLING DATE - 22 MAY 1974					WATER QUALITY SAMPLING DATE - 22 OCTOBER 1974						
1	0.3	9.8	--	10.0	--	90	27	11.6	--	7.4	--
3	0.9	9.8	8.1	10.0	280	100	30	11.3	--	7.3	--
5	1.5	9.8	--	10.0	--	128	39	10.9	8.1	6.9	210
10	3.0	9.8	--	9.9	--	135	41	10.9	--	6.9	--
15	4.6	9.8	--	9.7	--	WATER QUALITY SAMPLING DATE - 22 OCTOBER 1974					
20	6.1	9.7	--	9.4	--						
23	7.0	9.7	8.1	9.6	270						
WATER QUALITY SAMPLING DATE - 26 JUNE 1974					WATER QUALITY SAMPLING DATE - 22 OCTOBER 1974						
0	0.0	16.8	--	8.3	--						
3	0.9	16.8	8.6	8.3	200						
10	3.0	16.3	--	8.4	--						
20	6.1	12.0	--	8.7	--						
30	9.1	11.1	--	8.7	--						
40	12	10.9	8.3	8.7	190						
50	15	10.8	--	8.7	--						
60	18	10.7	--	8.7	--						
70	21	10.7	--	8.7	--						
80	24	10.6	8.4	8.7	--						
83	25	10.8	--	8.8	--						

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch

TABLE 17. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION 0200100

00003 DEPTH FROM SURFACE FEET	00010 DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO	00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 21 JULY 1975						WATER QUALITY SAMPLING DATE - 27 SEPTEMBER 1977					
1.2	0.4	19.4	8.8	8.9	189	3.28	1.0	15.2	8.6	8.7	255
16.4	5.0	18.9	8.5	8.9	188	9.84	3.0	15.2	8.5	8.8	260
32.8	10	18.6	8.4	8.8	184	19.7	6.0	15.2	8.7	8.8	260
49.2	15	18.4	8.1	8.8	179	29.5	9.0	15.2	8.7	8.8	260
82	25	11.2	8.3	8.7	189	39.4	12	15.2	8.8	8.8	260
						45.9	14	15.2	--	8.8	260
						49.2	15	15.2	9.0	8.8	260
						59.1	18	15.0	9.0	9.0	260
3.28	1.0	17.6	8.1	--	199	68.9	21	14.5	8.7	9.0	265
16.4	5.0	17.6	8.1	--	199	78.7	24	13.5	8.7	9.3	270
39.4	12	17.5	8.1	--	199	88.6	27	12.7	8.6	9.4	275
75.5	23	14.0	7.8	--	197						
98.4	30	10.5	7.7	--	191						
WATER QUALITY SAMPLING DATE - 26 AUGUST 1975						WATER QUALITY SAMPLING DATE - 01 NOVEMBER 1977					
						3.28	1.0	10.5	8.3	10.0	245
0	0.0	12.0	--	10.0	245	9.84	3.0	11.0	--	10.0	250
3.28	1.0	12.0	8.3	10.0	245	19.7	6.0	10.5	--	9.5	250
6.56	2.0	12.0	--	10.1	245	29.5	9.0	10.5	--	9.5	250
13.1	4.0	12.0	--	10.1	245	39.4	12	10.5	--	10.0	255
19.7	6.0	12.0	--	10.0	245	45.9	14	10.5	8.3	10.0	255
26.2	8.0	12.0	--	10.2	245	49.2	15	10.5	--	10.0	255
32.8	10	11.5	8.2	10.2	245	59.1	18	10.0	--	10.0	260
39.4	12	11.5	--	10.2	245	68.9	21	9.5	--	10.2	270
45.9	14	11.5	--	10.3	245	78.7	24	9.0	--	10.2	280
52.5	16	11.0	--	10.3	240	82	25	9.0	8.3	10.2	280
59.1	18	10.5	--	10.3	240	88.6	27	9.0	--	10.2	285
65.6	20	10.0	8.3	10.6	240						
72.2	22	10.0	--	10.6	235						
WATER QUALITY SAMPLING DATE - 02 JUNE 1977						WATER QUALITY SAMPLING DATE - 06 JUNE 1978					
						3.28	1.0	17.0	8.5	11.4	200
0	0.0	12.0	--	10.0	245	13.1	4.0	14.5	8.2	10.7	200
3.28	1.0	12.0	8.3	10.0	245	23.0	7.0	12.5	8.0	10.4	200
6.56	2.0	12.0	--	10.1	245	32.8	10	11.0	7.9	10.4	200
13.1	4.0	12.0	--	10.1	245	42.7	13	11.0	7.9	10.4	200
19.7	6.0	12.0	--	10.0	245	52.5	16	10.5	7.9	10.6	205
26.2	8.0	12.0	--	10.2	245	62.3	19	8.5	8.0	10.7	210
32.8	10	11.5	8.2	10.2	245	72.2	22	8.5	8.0	10.6	210
39.4	12	11.5	--	10.2	245	82.0	25	8.5	7.9	10.6	210
45.9	14	11.5	--	10.3	245	91.9	28	8.5	7.9	10.2	210
52.5	16	11.0	--	10.3	240						
59.1	18	10.5	--	10.3	240						
65.6	20	10.0	8.3	10.6	240						
72.2	22	10.0	--	10.6	235						
WATER QUALITY SAMPLING DATE - 05 JULY 1977						WATER QUALITY SAMPLING DATE - 05 JULY 1978					
						3.28	1.0	18.5	8.2	7.9	225
1	0.3	17.5	--	7.8	--	9.84	3.0	17.5	--	8.1	230
3.28	1.0	17.5	8.2	7.8	215	19.7	6.0	15.0	--	8.5	230
10	3.0	17.4	--	7.8	--	29.5	9.0	14.0	--	8.6	215
20	6.1	17.4	--	7.7	--	39.4	12	13.5	--	8.7	200
30	9.1	17.3	--	7.7	--	49.2	15	13.0	--	8.8	200
40	12	17.1	--	7.8	--	59.1	18	12.5	--	8.8	200
50	15	16.4	--	7.6	--	68.9	21	12.5	8.2	8.8	200
52.5	16	16.3	8.2	7.6	213	78.7	24	12.0	--	8.8	205
60	18	16.0	--	7.6	--	88.6	27	11.0	--	8.9	215
70	21	15.4	--	7.4	--	98.4	30	10.0	--	8.9	220
80	24	14.8	--	7.5	--	115	35	9.0	--	8.7	235
90	27	13.6	--	7.5	--	138	42	8.0	8.2	7.9	260
100	30	10.5	--	6.8	--						
102	31	9.6	7.9	6.8	232						
107	33	9.6	--	6.5	--						
WATER QUALITY SAMPLING DATE - 26 JULY 1977						WATER QUALITY SAMPLING DATE - 02 AUGUST 1978					
						1.00	0.3	--	8.2	--	--
1	0.3	20.1	--	8.5	--	3.28	1.0	20.0	8.3	8.0	220
3.28	1.0	20.1	8.4	8.5	217	13.1	4.0	19.5	8.3	8.0	220
5	1.5	20.0	--	8.6	--	23.0	7.0	18.5	8.2	7.9	220
10	3.0	20.0	--	8.6	--	32.8	10	18.0	8.2	8.0	220
20	6.1	18.6	--	8.8	--	42.7	13	15.0	8.0	7.6	220
30	9.1	17.8	--	8.7	--	52.5	16	14.5	8.0	7.8	220
40	12	17.3	--	8.4	--	62.3	19	13.5	8.0	7.8	215
45.9	14	16.8	8.3	8.3	222	72.2	22	12.5	8.1	8.3	210
50	15	16.3	--	8.1	--	82.0	25	11.5	8.1	8.6	210
60	18	16.0	--	8.2	--	98.4	30	10.5	8.1	8.7	220
70	21	12.8	--	7.4	--	115	35	10.0	8.1	8.5	230
80	24	10.4	--	7.5	--	131	40	9.0	8.1	8.2	240
90	27	9.7	--	6.8	--	148	45	8.5	8.0	7.5	250
91.9	28	9.6	8.1	6.6	239						
95	29	9.6	--	6.6	--						

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch

TABLE 17. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION 0200100

00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 13 SEPTEMBER 1978					
3.28	1.0	17.0	8.1	8.4	230
9.84	3.0	17.0	8.1	8.4	230
19.7	6.0	17.0	8.0	8.4	230
29.5	9.0	17.0	8.0	8.4	230
39.4	12	17.0	7.9	8.2	230
49.2	15	16.5	7.8	8.0	240
59.1	18	15.5	7.7	7.7	240
68.9	21	15.0	7.7	7.5	250
78.7	24	13.5	7.6	7.6	250
88.6	27	13.0	7.6	7.8	220
98.4	30	11.0	7.6	8.0	215
108	33	10.5	7.6	7.9	220
118	36	10.0	7.6	7.7	225
128	39	9.5	7.6	7.0	230
138	42	9.0	7.6	6.9	240

WATER QUALITY SAMPLING DATE - 11 OCTOBER 1978

3.28	1.0	14.5	7.9	9.2	245
9.84	3.0	14.0	7.8	9.2	245
19.7	6.0	14.0	7.8	9.2	245
29.5	9.0	14.0	7.8	9.2	245
39.4	12	14.0	7.6	9.2	245
49.2	15	14.0	8.3	9.1	245
59.1	18	14.0	8.3	9.1	245
68.9	21	14.0	8.3	9.1	245
78.7	24	14.0	8.3	9.1	245
88.6	27	14.0	8.3	9.1	240
98.4	30	14.0	8.3	9.1	250
108	33	13.5	8.3	9.1	245
118	36	13.0	8.3	8.8	250
128	39	11.5	8.1	8.3	265
135	41	11.5	8.1	8.3	265

WATER QUALITY SAMPLING DATE - 15 NOVEMBER 1978

3.28	1.0	8.5	8.3	11.1	290
9.84	3.0	8.5	--	11.2	310
19.7	6.0	8.5	--	11.2	330
29.5	9.0	8.5	--	10.9	340
39.4	12	8.5	--	11.0	340
49.2	15	8.5	--	11.0	340
59.1	18	8.0	8.3	10.9	345
68.9	21	8.0	--	10.9	350
85.3	26	7.5	--	10.9	360
102	31	6.0	--	11.2	365
118	36	6.0	8.3	10.6	340

TABLE 18. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION 0200101

00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 24 JULY 1974					
1	0.3	19.6	--	8.2	--
3	0.9	19.6	8.4	8.2	200
10	3.0	18.0	--	8.5	--
20	6.1	15.6	--	8.2	--
30	9.1	13.5	--	7.9	--
33	10	13.5	8.2	7.9	220
40	12	12.6	--	7.8	--
50	15	12.4	--	7.6	--
60	18	12.3	--	6.2	--
66	20	10.8	8.0	6.2	230
69	21	10.8	--	6.2	--

WATER QUALITY SAMPLING DATE - 20 AUGUST 1974

1	0.3	17.4	--	--	--
3	0.9	17.4	8.3	--	200
10	3.0	17.2	--	--	--
20	6.1	17.0	--	--	--
30	9.1	16.1	8.4	--	209
40	12	15.4	--	--	--
50	15	14.0	--	--	--
59	18	12.2	8.0	--	220
64	20	12.2	--	--	--

WATER QUALITY SAMPLING DATE - 23 SEPTEMBER 1974

1	0.3	16.0	8.2	8.4	217
3	0.9	16.0	8.4	8.4	223
10	3.0	16.0	--	8.4	--
20	6.1	16.0	--	8.3	--
30	9.1	15.6	--	7.6	--
40	12	14.6	--	7.6	--
42	13	14.6	8.2	7.6	265
50	15	13.0	--	7.5	--
60	18	12.1	--	7.6	--
70	21	12.1	--	7.4	--
82	25	12.1	8.2	7.8	273
84	26	12.0	--	7.8	--

WATER QUALITY SAMPLING DATE - 21 OCTOBER 1974

1	0.3	11.8	--	8.4	--
3	0.9	11.7	8.4	8.4	243
10	3.1	11.7	--	8.5	--
20	6.1	11.7	--	8.6	--
22.5	6.8	11.0	8.4	8.8	240
30	9.1	11.2	--	9.0	--
40	12	9.0	--	7.8	--
42.6	13	8.8	8.2	7.9	305
52	16	8.6	--	8.0	--

WATER QUALITY SAMPLING DATE - 22 JULY 1975

3.28	1.0	19.6	8.9	--	160
16.4	5.0	19.1	8.9	--	155
29.9	9.1	16.8	8.4	--	153
45.9	14	13.8	8.3	--	152

WATER QUALITY SAMPLING DATE - 06 JULY 1977

1	0.3	15.0	--	9.1	--
3.28	1.0	15.0	8.3	9.0	212
5	1.5	15.0	--	8.8	--
10	3.1	14.9	--	8.9	--
15	4.6	14.7	--	8.7	--
16.4	5.0	14.6	8.2	8.6	217
20	6.1	14.5	--	8.3	--
25	7.6	14.2	--	8.5	--
30	9.1	14.0	--	8.6	--
32.8	10	13.2	8.2	8.7	262
35	11	13.2	--	8.7	--
37	11	13.1	--	8.7	--

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch



LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION 0200101

00003 DEPTH FROM SURFACE FEET	00010 DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO	00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 27 JULY 1977						WATER QUALITY SAMPLING DATE - 01 AUGUST 1978					
1	0.3	19.7	--	8.7	--	3.28		20.0	8.0	--	190
3.28	1.0	19.7	8.3	8.7	245	16.4		19.5	8.0	--	190
5	1.5	19.7	--	8.7	--	26.2		17.0	7.9	--	210
10	3.1	19.7	--	8.6	--	36.1		16.5	7.9	--	205
14.4	4.4	19.7	8.3	8.0	256	42.7		16.0	7.8	--	200
15	4.6	19.7	--	8.0	--	45.9		15.0	7.8	--	200
20	6.1	19.7	--	8.0	--	55.8		14.5	7.8	--	195
25	7.6	19.7	--	8.3	--	65.6		13.5	7.8	--	190
28.9	8.8	19.7	8.3	8.0	292	75.5		12.5	7.8	--	200
30	9.1	19.7	--	8.0	--	82.0		12.5	7.8	--	200
						85.3		12.5	7.8	--	200
WATER QUALITY SAMPLING DATE - 31 AUGUST 1977						WATER QUALITY SAMPLING DATE - 12 SEPTEMBER 1978					
3.28	1.0	12.4	8.2	9.5	191						
6.56	2.0	12.4	8.2	9.5	195	3.28	1.0	17.5	8.1	8.4	235
9.84	3.0	12.2	8.2	9.5	198	16.4	5.0	17.5	8.1	8.4	235
13.1	4.0	12.2	8.2	9.5	200	26.2	8.0	17.5	8.1	8.3	235
16.4	5.0	12.2	8.2	9.5	200	36.1	11	17.0	8.1	8.3	240
19.7	6.0	12.2	8.2	9.5	200	45.9	14	16.5	8.0	8.2	250
23.0	7.0	12.2	8.2	9.5	200	55.8	17	15.0	7.9	7.7	270
26.2	8.0	12.2	8.2	9.5	201	65.6	20	14.0	7.8	7.4	270
29.5	9.0	12.2	8.2	9.5	223	68.9	21	14.0	7.9	7.6	270
32.8	10	12.2	8.2	9.4	210	75.5	23	14.0	8.0	8.3	280
WATER QUALITY SAMPLING DATE - 26 SEPTEMBER 1977						WATER QUALITY SAMPLING DATE - 12 OCTOBER 1978					
36.1	11	11.0	8.2	11.2	225	3.28	1.0	13.0	8.3	9.5	240
32.8	10	10.7	8.2	11.1	225	16.4	5.0	13.0	--	9.5	240
23.0	7.0	10.5	8.2	10.7	235	26.2	8.0	13.0	--	9.5	240
19.7	--	10.6	8.2	10.8	240	32.8	10	13.0	8.3	9.5	240
13.1	4.0	9.5	8.1	8.9	270	36.1	11	13.0	--	9.5	240
3.28	1.0	10.0	8.1	8.9	270	45.9	14	12.5	--	9.5	245
						55.8	17	10.5	--	9.5	260
						65.6	20	10.5	8.2	9.4	260
WATER QUALITY SAMPLING DATE - 07 OCTOBER 1977						1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch					
3.28	1.0	15.0	8.2	8.6	250						
13.1	4.0	15.0	8.2	8.7	248						
23.0	7.0	15.0	8.2	8.8	240						
32.8	10	15.0	8.2	8.7	244						
42.7	13	15.0	8.2	8.5	248						
52.5	16	14.0	8.1	8.9	260						
62.3	19	12.5	8.0	8.8	299						
72.2	22	11.0	8.1	8.7	300						
WATER QUALITY SAMPLING DATE - 31 OCTOBER 1977						II-433					
0	0.0	5.5	--	11.2	325						
3.28	1.0	5.5	8.2	11.3	320						
6.56	2.0	5.5	--	11.3	320	20	6.1	18.0	--	9.0	--
16.4	5.0	5.5	--	11.3	320	30	9.1	15.2	--	8.6	--
23.0	7.0	5.5	8.2	11.2	325	32	9.8	15.2	8.2	8.6	200
26.2	8.0	5.5	--	11.3	320	40	12	13.5	--	8.3	--
						50	15	12.3	--	7.9	--
						59	18	12.0	8.1	8.0	200
						60	18	12.1	--	8.0	--
						64	20	12.0	--	8.0	--
WATER QUALITY SAMPLING DATE - 04 JULY 1978						WATER QUALITY SAMPLING DATE - 21 AUGUST 1974					
3.28		16.0	8.2	8.0	200	1	0.3	17.7	--	8.1	--
13.1		14.5	--	8.2	185	3	0.9	17.7	8.3	8.1	200
23.0		13.5	--	8.3	170	10	3.0	17.5	--	8.2	--
32.8		12.5	8.1	8.3	170	20	6.1	17.4	--	8.4	--
42.7		12.5	--	8.3	175	30	9.1	16.0	--	8.2	--
52.5		12.5	--	8.2	180	31	9.4	16.0	8.2	8.2	220
62.3		11.5	--	8.2	190	40	12	14.4	--	8.0	--
68.9		11.5	8.1	8.3	185	50	15	12.4	--	8.1	--
						62	19	12.2	8.0	8.5	240
						64	20	12.2	--	8.5	--
WATER QUALITY SAMPLING DATE - 25 SEPTEMBER 1974											
						0	0.0	15.6	--	9.3	--
						3	0.9	15.6	8.4	9.3	240
						10	3.0	15.6	--	9.5	--
						20	6.1	15.6	--	9.5	--
						30	9.1	15.1	--	9.4	--
						33	10	15.1	8.3	9.4	250
						40	12	13.5	--	9.0	--
						50	15	12.1	--	8.4	--
						61	19	11.7	8.2	8.0	280
						65	20	11.7	--	8.0	--

TABLE 19. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT RIVER MILE 294  
STATION 0200169

00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 23 OCTOBER 1974					
1	0.3	9.4	--	10.0	--
3	0.9	9.4	8.4	10.0	290
10	3.0	9.4	--	10.0	--
20	6.1	9.1	--	9.6	--
30	9.1	8.3	--	9.2	--
36	11	8.0	8.2	9.6	325
42	13	8.0	--	9.6	--
WATER QUALITY SAMPLING DATE - 04 JULY 1978					
3.28	1.0	13.0	8.1	8.4	175
9.84	3.0	12.5	--	8.3	175
19.7	6.0	12.5	--	8.3	175
29.5	9.0	12.0	--	8.3	175
39.4	12	12.0	--	8.4	175
49.2	15	12.0	8.1	8.4	170
WATER QUALITY SAMPLING DATE - 01 AUGUST 1978					
3.28	1.0	21.0	8.1	--	190
16.4	5.0	20.5	8.1	--	200
26.2	8.0	17.5	7.9	--	210
32.8	10	16.0	7.9	--	210
36.1	11	16.5	7.9	--	210
45.9	14	14.5	7.8	--	200
55.8	17	14.0	7.8	--	200
62.3	19	14.0	7.8	--	200
65.6	20	14.0	7.8	--	200
WATER QUALITY SAMPLING DATE - 12 SEPTEMBER 1978					
3.28	1.0	17.5	8.1	8.3	240
9.84	3.0	17.0	8.1	8.3	240
19.7	6.0	17.0	8.1	8.3	240
29.5	9.0	17.0	8.1	8.3	245
39.4	12	15.5	8.1	8.1	260
49.2	15	15.0	7.9	7.8	265
59.1	18	14.5	7.8	7.3	275
WATER QUALITY SAMPLING DATE - 12 OCTOBER 1978					
3.28	1.0	12.5	8.3	9.6	250
9.84	3.0	12.5	--	9.6	250
19.7	6.0	12.5	--	9.6	260
29.5	9.0	12.5	8.3	9.6	260
39.4	12	12.0	--	9.7	260
49.2	15	10.0	--	9.7	270
59.1	18	9.5	8.2	9.9	280

TABLE 20. 1/CANADIAN WATER COLUMN PROFILE DATA  
LAKE KOOCANUSA AT NORTH END  
STATION 0200187

00003 DEPTH FROM SURFACE FEET	DEPTH FROM SURFACE METERS	00010 WATER TEMP CELSIUS	00400 PH UNITS	00300 DO MG/L	00095 COND AT 25C MICROMHO
WATER QUALITY SAMPLING DATE - 27 AUGUST 1974					
0	0	13.8	8.2	8.4	262
1	0.3	13.8	--	8.4	--
5	1.5	13.8	--	8.4	--
10	3.0	13.6	--	8.3	--
15	4.6	13.5	--	8.2	--
20	6.1	13.5	--	8.2	--
25	7.6	13.4	--	8.2	--
26	7.9	13.4	8.2	8.3	260
29.5	9.0	13.4	--	8.3	--
WATER QUALITY SAMPLING DATE - 26 SEPTEMBER 1974					
1	0.3	11.7	--	8.7	--
3	0.9	11.7	8.4	8.7	300
5	1.5	11.4	--	8.7	--
10	3.0	11.0	--	8.5	--
15	4.6	11.0	--	8.5	--
20	6.1	11.0	--	8.4	--
25	7.6	11.0	--	8.4	--
26	7.9	11.0	8.4	8.4	302
29	8.8	11.0	--	8.4	--
WATER QUALITY SAMPLING DATE - 03 AUGUST 1978					
3.28	1.0	16.5	8.1	9.0	245
9.84	3.0	16.0	8.1	9.0	245
16.4	5.0	16.0	8.1	9.0	245
23	7.0	16.0	8.0	9.0	245
WATER QUALITY SAMPLING DATE - 14 SEPTEMBER 1978					
3.28	1.0	11.5	8.0	9.8	260
6.56	2.0	11.5	8.0	9.8	260
9.84	3.0	11.5	8.0	9.8	260
13.1	4.0	11.5	8.0	9.9	260
16.4	5.0	11.5	8.0	9.9	260
19.7	6.0	11.5	8.0	9.9	260
23.0	7.0	11.5	8.0	9.8	260
26.2	8.0	11.5	8.0	9.8	260

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
731017	2374.76	723.83	11.1	----	----	14.2	14.3	14.2	14.2	14.2	14.3	10.8
731018	2374.33	723.70	11.7	----	----	----	14.2	14.2	14.2	14.2	14.2	10.8
731019	2373.86	723.55	11.1	----	----	----	14.1	14.1	14.1	14.1	14.1	10.8
731023	2372.09	723.01	11.1	----	----	----	13.9	13.9	13.9	13.8	13.5	11.0
731024	2371.61	722.87	11.7	----	----	----	13.9	13.9	13.8	13.6	13.4	11.2
731025	2371.33	722.78	11.1	----	----	----	13.8	13.8	13.7	13.7	13.2	11.2
731026	2371.17	722.73	10.0	----	----	----	13.6	13.6	13.6	13.2	12.8	11.2
731029	2370.60	722.56	10.6	----	----	----	13.2	13.2	13.2	13.1	12.3	11.3
731030	2370.45	722.51	10.6	----	----	----	13.1	13.1	13.1	13.0	12.3	11.3
731031	2370.24	722.45	9.4	----	----	----	12.9	12.9	12.9	12.9	12.2	11.3
731101	2370.11	722.41	8.9	----	----	----	12.8	12.8	12.7	12.7	12.2	11.2
731102	2369.86	722.33	9.4	----	----	----	12.6	12.6	12.6	12.6	12.6	11.1
731105	2368.61	721.95	8.3	----	----	----	12.1	12.1	12.1	12.1	12.2	10.9
731106	2368.12	721.80	7.8	----	----	----	11.9	11.9	11.8	11.8	11.9	11.2
731107	2367.52	721.62	5.6	----	----	----	11.7	11.7	11.7	11.7	11.8	11.1
731108	2367.02	721.47	7.8	----	----	----	11.6	11.6	11.6	11.6	11.7	11.1
731109	2366.54	721.32	7.8	----	----	----	11.5	11.5	11.4	11.4	11.5	11.1
731112	2365.36	720.96	8.9	----	----	----	11.3	11.3	11.3	11.3	11.3	11.0
731113	2365.30	720.94	7.8	----	----	----	11.2	11.2	11.2	11.2	11.2	11.0
731114	2365.46	720.99	7.8	----	----	----	11.1	11.2	11.1	11.1	11.1	10.9
731119	2366.48	721.30	6.1	----	----	----	10.4	10.5	10.4	10.4	10.3	10.4
731120	2366.66	721.36	6.7	----	----	----	10.3	10.3	10.3	10.3	10.1	10.2
731121	2366.42	721.28	6.1	----	----	----	10.2	10.2	10.2	10.2	10.1	10.0
731126	2364.87	720.81	6.1	----	----	----	9.6	9.7	9.6	9.6	9.2	8.9
731127	2364.39	720.67	6.1	----	----	----	9.4	9.4	9.4	9.4	8.6	8.7
731128	2364.21	720.61	7.2	----	----	----	9.4	9.4	9.3	9.3	8.4	8.6
731129	2364.42	720.68	6.1	----	----	----	9.3	9.4	9.3	9.3	7.9	8.4
731130	2364.59	720.73	6.7	----	----	----	9.2	9.3	9.2	9.2	8.2	8.3
731203	2365.04	720.86	6.1	----	----	----	9.1	9.1	9.0	8.5	7.6	8.2
731204	2365.17	720.90	5.0	----	----	----	8.8	8.8	8.4	8.2	7.6	8.1
731205	2365.34	720.96	4.4	----	----	----	8.6	8.5	8.3	8.0	7.6	8.1
731206	2365.41	720.98	5.0	----	----	----	8.3	8.3	8.1	7.7	7.5	8.1
731207	2365.50	721.00	5.0	----	----	----	8.1	8.1	8.1	8.1	7.6	8.1
731210	2365.87	721.12	3.3	----	----	----	7.7	7.7	7.7	7.4	7.4	7.9
731211	2365.91	721.13	3.9	----	----	----	7.6	7.6	7.6	7.4	7.4	7.9
731212	2365.97	721.15	3.9	----	----	----	7.5	7.6	7.5	7.5	7.4	7.8
731213	2366.08	721.18	3.9	----	----	----	7.4	7.5	7.4	7.4	7.3	7.7
731214	2366.21	721.22	4.4	----	----	----	7.4	7.4	7.4	7.3	7.3	7.6
731217	2366.58	721.33	4.4	----	----	----	7.3	7.3	7.3	7.3	6.9	7.3
731218	2366.77	721.39	4.4	----	----	----	7.3	7.3	7.3	7.2	6.7	7.3
731219	2366.89	721.43	3.9	----	----	----	7.2	7.2	7.2	7.2	6.7	7.2
731220	2367.00	721.46	3.9	----	----	----	7.2	7.2	7.1	7.1	7.0	7.2
731221	2367.10	721.49	3.9	----	----	----	7.2	7.2	7.1	7.1	6.7	7.2
731226	2367.61	721.65	3.3	----	----	----	6.7	6.8	6.7	6.6	6.4	7.0
731227	2367.76	721.69	3.3	----	----	----	6.6	6.7	6.6	6.6	6.5	7.0
731228	2367.81	721.71	2.8	----	----	----	6.6	6.6	6.5	6.5	6.6	7.1
740102	2367.71	721.68	2.2	----	----	----	6.0	6.0	6.0	6.0	6.1	6.8
740104	2367.55	721.63	0.6	----	----	----	5.7	5.7	5.7	5.7	5.8	6.6
740107	2364.85	720.81	-1.1	----	----	----	5.2	5.3	5.3	5.3	5.3	6.2
740108	2363.86	720.50	-1.1	----	----	----	5.2	5.2	5.2	5.2	5.3	6.1
740109	2362.96	720.23	0.0	----	----	----	5.1	5.1	5.1	5.1	5.1	6.0
740110	2362.02	719.94	0.6	----	----	----	4.9	4.9	4.9	4.8	4.9	5.9
740111	2361.00	719.63	-5.6	----	----	----	4.8	4.8	4.8	4.8	4.9	5.8
740115	2357.46	718.55	2.8	----	----	----	4.6	4.6	4.5	4.5	4.6	5.5
740116	2357.34	718.52	2.8	----	----	----	4.6	4.6	4.5	4.5	4.6	5.5
740117	2358.24	718.79	2.2	----	----	----	4.5	4.6	4.5	4.4	4.6	5.4
740121	2360.60	719.51	0.6	----	----	----	4.4	4.4	4.4	4.4	4.4	5.4
740122	2360.87	719.59	-1.1	----	----	----	4.4	4.5	4.4	4.4	4.5	5.4
740123	2361.11	719.67	1.7	----	----	----	4.4	4.4	4.4	4.4	4.5	5.4
740125	2361.61	719.82	1.7	----	----	----	4.3	4.4	4.3	4.3	4.4	5.3
740128	2362.74	720.16	2.2	----	----	----	4.2	4.3	4.2	4.2	4.3	5.2
740131	2360.32	719.43	0.6	----	----	----	4.0	4.1	4.1	4.0	4.1	5.1
740201	2359.31	719.12	1.1	----	----	----	3.7	3.8	3.9	3.9	4.1	5.0
740204	2356.30	718.20	2.2	----	----	----	3.9	3.9	3.9	3.9	4.0	4.9
740205	2355.35	717.91	-0.6	----	----	----	3.7	3.8	3.8	3.7	3.9	4.9
740207	2353.14	717.24	-1.7	----	----	----	2.3	2.8	2.9	2.9	3.3	4.9
740208	2352.41	717.01	0.0	----	----	----	2.7	2.9	2.8	3.3	3.6	4.9
740211	2348.76	715.90	-2.8	----	----	----	2.7	3.0	3.1	3.1	3.6	4.9
740212	2347.73	715.59	-1.1	----	----	----	----	2.8	2.9	3.2	3.8	4.9
740213	2346.58	715.24	0.0	----	----	----	----	2.7	2.7	2.8	3.7	4.8
740214	2345.48	714.90	0.0	----	----	----	----	2.8	3.1	3.3	3.5	4.8
740215	2344.31	714.55	-0.6	----	----	----	----	2.6	3.1	3.1	3.3	4.8
740219	2339.50	713.08	0.6	----	----	----	----	2.4	2.8	2.9	3.1	4.8
740220	2338.29	712.71	-2.2	----	----	----	----	2.8	2.9	2.9	3.1	4.7
740221	2336.91	712.29	-2.2	----	----	----	----	2.7	2.6	2.7	3.1	4.7
740222	2335.86	711.97	0.0	----	----	----	----	2.7	2.7	2.7	3.4	4.7
740224	2333.05	711.11	-1.1	----	----	----	----	2.6	2.7	2.8	3.0	4.7
740225	2331.75	710.72	-0.6	----	----	----	----	2.5	2.6	2.6	2.8	4.6
740226	2330.46	710.32	-0.6	----	----	----	----	2.4	2.5	2.5	2.7	4.6
740227	2329.08	709.90	0.0	----	----	----	----	2.5	2.4	2.4	2.9	4.6
740228	2327.84	709.53	-1.7	----	----	----	----	2.0	2.2	2.5	2.7	4.6
740301	2326.48	709.11	0.0	----	----	----	----	2.6	2.4	2.4	2.7	4.5
740304	2322.51	707.90	-0.6	----	----	----	----	----	2.4	2.4	2.7	4.4
740305	2321.20	707.50	0.6	----	----	----	----	----	2.4	2.5	2.7	4.3
740306	2320.10	707.17	-1.1	----	----	----	----	----	2.6	2.6	2.7	4.3
740307	2319.01	706.83	-3.3	----	----	----	----	----	2.5	2.5	2.7	4.3
740308	2317.97	706.52	-1.1	----	----	----	----	----	2.4	2.4	2.6	4.3
740311	2314.57	705.48	0.0	----	----	----	----	----	2.4	2.4	2.6	4.1
740312	2313.46	705.14	0.6	----	----	----	----	----	2.3	2.4	2.4	4.1
740313	2312.34	704.80	0.0	----	----	----	----	----	2.4	2.3	2.4	4.1
740314	2311.22	704.46	-0.6	----	----	----	----	----	2.3	2.3	2.5	4.1
740315	2310.11	704.12	-1.1	----	----	----	----	----	2.1	2.1	2.4	4.1

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
740318	2307.13	703.21	0.6	----	----	----	----	----	2.4	2.4	2.6	4.0
740319	2306.36	702.98	0.0	----	----	----	----	----	2.4	2.4	2.4	3.9
740320	2305.98	702.86	-3.3	----	----	----	----	----	2.1	2.4	2.6	4.0
740321	2305.66	702.77	0.6	----	----	----	----	----	2.5	2.4	2.6	4.0
740322	2305.48	702.71	-2.2	----	----	----	----	----	2.3	2.4	2.6	4.0
740325	2305.39	702.68	0.0	----	----	----	----	----	2.4	2.4	2.7	4.1
740326	2305.33	702.66	2.2	----	----	----	----	----	2.7	2.6	2.7	4.1
740329	2305.53	702.73	1.1	----	----	----	----	----	2.7	2.7	2.8	4.1
740401	2306.03	702.88	0.6	----	----	----	----	----	2.5	2.7	2.9	4.1
740403	2305.92	702.84	1.1	----	----	----	----	----	2.8	2.8	2.9	4.2
740404	2305.76	702.80	0.6	----	----	----	----	----	2.8	2.8	2.9	4.2
740405	2305.61	702.75	1.7	----	----	----	----	----	3.1	2.9	3.0	4.2
740408	2305.43	702.70	1.1	----	----	----	----	----	3.0	2.9	3.1	4.2
740409	2305.51	702.72	2.2	----	----	----	----	----	3.2	3.1	3.2	4.2
740410	2305.56	702.73	2.2	----	----	----	----	----	3.3	3.2	3.1	4.2
740411	2305.49	702.71	2.8	----	----	----	----	----	3.3	3.2	3.2	4.2
740412	2305.51	702.72	1.7	----	----	----	----	----	3.3	3.3	3.3	4.3
740415	2305.73	702.79	1.1	----	----	----	----	----	3.2	3.4	3.6	4.4
740416	2305.78	702.80	2.8	----	----	----	----	----	3.7	3.6	3.4	4.4
740417	2305.74	702.79	1.7	----	----	----	----	----	3.7	3.6	3.6	4.4
740418	2305.53	702.73	4.4	----	----	----	----	----	4.4	4.2	4.1	4.4
740419	2305.37	702.68	4.4	----	----	----	----	----	4.4	3.9	3.7	4.4
740422	2305.57	702.74	3.9	----	----	----	----	----	4.1	3.9	3.6	4.4
740423	2305.66	702.77	4.4	----	----	----	----	----	4.5	3.7	3.7	4.5
740424	2305.74	702.79	5.6	----	----	----	----	----	5.2	4.8	3.7	4.5
740425	2306.08	702.89	6.7	----	----	----	----	----	6.5	5.6	3.9	4.6
740426	2306.70	703.08	5.0	----	----	----	----	----	5.7	5.4	4.0	4.6
740429	2307.55	703.34	6.1	----	----	----	----	----	6.1	5.7	4.8	4.6
740430	2307.28	703.26	7.2	----	----	----	----	----	6.3	6.1	5.6	4.7
740501	2307.00	703.17	6.1	----	----	----	----	----	7.3	6.7	5.7	4.8
740502	2307.02	703.18	5.6	----	----	----	----	----	6.8	6.3	5.0	4.9
740503	2307.00	703.17	7.8	----	----	----	----	----	7.8	6.7	6.3	5.0
740506	2307.34	703.28	10.0	----	----	----	----	----	9.1	8.3	7.3	5.6
740507	2308.51	703.63	----	----	----	----	----	----	8.5	8.2	7.2	5.4
740508	2310.93	704.37	----	----	----	----	----	----	8.5	7.9	7.2	5.3
740509	2314.27	705.39	----	----	----	----	----	----	8.4	8.1	7.6	5.4
740510	2317.55	706.39	----	----	----	----	----	----	7.8	7.7	7.1	5.5
740513	2324.02	708.36	----	----	----	----	----	8.2	8.2	8.1	7.6	5.4
740514	2325.37	708.77	----	----	----	----	----	9.0	8.2	8.2	7.6	5.4
740515	2326.21	709.03	----	----	----	----	----	8.3	8.2	8.0	7.6	5.6
740516	2326.80	709.21	----	----	----	----	----	8.6	8.2	8.0	7.6	5.7
740520	2328.00	709.57	----	----	----	----	----	11.2	9.1	9.0	8.6	5.7
740521	2328.18	709.63	13.3	----	----	----	----	12.2	9.1	8.8	8.4	5.7
740522	2328.31	709.67	13.9	----	----	----	----	11.6	9.1	9.1	8.1	5.9
740523	2328.63	709.77	11.1	----	----	----	----	10.4	9.2	8.9	7.7	6.0
740524	2329.19	709.94	9.4	----	----	----	----	10.2	8.9	8.6	7.8	6.2
740528	2336.15	712.06	10.6	----	----	----	----	8.7	8.4	8.2	7.9	6.4
740529	2338.99	712.92	11.7	----	----	----	----	12.7	10.5	8.4	8.1	6.9
740530	2341.42	713.66	10.6	----	----	----	----	12.1	11.1	8.7	8.2	6.6
740531	2343.41	714.27	17.8	----	----	----	----	14.1	10.9	10.6	8.9	6.7
740603	2348.46	715.81	10.0	----	----	----	10.7	9.6	8.9	8.7	8.0	7.1
740604	2350.95	716.57	10.0	----	----	----	9.9	9.2	9.0	8.8	8.0	7.2
740605	2354.02	717.51	8.3	----	----	----	9.2	9.1	8.8	8.7	8.1	7.2
740606	2356.85	718.37	8.3	----	----	----	9.6	9.5	9.3	8.9	8.1	7.3
740607	2359.23	719.09	8.3	----	----	----	9.5	9.4	9.1	8.8	8.2	7.3
740610	2364.90	720.82	12.2	----	----	----	10.4	10.0	9.6	9.0	8.4	7.3
740611	2366.79	721.40	15.0	----	----	----	10.7	10.4	10.0	8.8	8.8	7.5
740612	2368.96	722.06	16.1	----	----	----	10.8	10.4	9.9	9.0	8.7	7.5
740613	2372.07	723.01	17.8	----	----	----	10.6	10.2	9.4	9.0	8.7	7.4
740614	2376.19	724.26	13.9	----	----	14.1	10.4	10.1	9.3	9.2	8.7	7.6
740617	2390.65	728.67	17.8	----	----	14.4	13.2	10.7	9.7	9.1	8.8	7.7
740618	2396.12	730.34	19.4	----	----	13.3	12.3	10.1	9.4	9.1	8.8	7.7
740619	2401.69	732.04	19.4	----	19.7	13.3	10.6	9.6	9.3	9.1	8.8	7.7
740620	2407.04	733.67	18.9	----	18.7	13.6	12.5	10.5	9.6	9.2	9.0	7.8
740621	2412.02	735.18	19.4	----	16.7	12.4	10.3	9.8	9.3	9.2	8.8	7.8
740624	2424.64	739.03	21.7	----	17.9	12.4	10.1	10.0	9.7	9.4	9.1	7.8
740625	2428.27	740.14	18.9	----	15.1	10.6	9.9	9.8	9.7	9.2	9.2	7.9
740626	2431.42	741.10	15.6	----	11.2	10.3	10.1	9.8	9.4	9.3	9.0	7.9
740627	2434.36	741.99	17.2	----	11.5	10.4	10.1	10.0	9.8	9.6	9.3	8.2
740628	2436.47	742.64	15.6	----	10.7	10.5	10.0	9.9	9.8	9.4	9.1	8.2
740701	2438.97	743.40	12.8	----	10.4	10.1	10.1	10.0	9.9	9.9	9.5	8.3
740702	2439.57	743.58	12.8	----	10.6	10.2	10.2	10.1	9.9	9.8	9.3	8.1
740703	2440.31	743.81	15.0	----	11.2	10.6	10.3	10.2	9.4	9.8	8.9	7.9
740708	2445.10	745.27	16.1	----	15.6	11.4	10.9	10.7	10.2	9.8	9.3	8.2
740709	2445.94	745.52	17.2	----	15.4	11.5	11.1	10.8	10.1	10.0	9.4	8.4
740710	2446.70	745.75	19.4	----	13.9	11.6	11.2	10.8	10.3	9.9	9.5	8.3
740711	2447.54	746.01	13.9	----	13.1	11.6	10.8	10.4	10.0	9.8	9.6	8.4
740712	2448.60	746.33	14.4	----	11.7	11.2	10.6	10.3	10.1	9.9	9.7	8.4
740715	2450.71	746.98	17.8	18.2	13.2	11.8	11.3	10.9	10.7	10.2	9.7	8.4
740716	2451.38	747.18	16.1	16.7	11.8	11.4	10.9	10.7	10.4	9.9	9.7	8.5
740717	2452.47	747.51	17.8	17.7	11.7	11.1	10.8	10.6	10.3	10.1	9.6	8.4
740718	2453.73	747.90	18.9	19.0	11.7	11.0	10.8	10.7	10.4	10.2	9.7	8.3
740719	2454.92	748.26	21.7	21.2	12.6	11.6	11.2	10.9	10.7	10.6	9.8	8.3
740722	2458.10	749.23	18.9	17.8	11.9	11.7	11.2	11.0	10.7	10.2	9.8	8.4
740723	2458.55	749.37	17.8	17.3	12.0	11.7	11.3	11.1	10.7	10.3	9.9	8.6
740724	2458.68	749.41	18.3	15.4	11.9	11.6	11.3	11.0	10.6	10.2	10.0	8.7
740725	2458.99	749.50	17.2	14.6	12.0	11.8	11.3	10.9	10.6	10.2	9.8	8.7
740726	2459.02	749.51	16.1	13.6	11.9	11.7	11.1	10.8	10.4	10.1	9.7	8.5
740729	2458.79	749.44	18.9	19.6	12.4	11.8	11.6	11.3	10.9	10.6	9.8	8.4
740730	2459.07	749.52	20.6	20.0	12.6	12.2	11.6	11.2	10.8	10.3	9.7	8.6
740731	2459.03	749.51	20.0	21.8	12.8	12.4	11.6	11.2	10.7	10.3	9.7	8.6
740801	2458.64	749.39	20.6	22.0	12.7	12.1	11.3	11.1	10.7	10.3	9.8	8.6
740802	2458.77	749.43	19.4	21.9	12.9	12.2	11.6	11.2	10.9	10.7	10.4	8.6

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
740805	2458.51	749.35	20.0	19.4	12.8	12.1	11.4	11.1	10.7	10.4	9.7	8.6
740806	2458.25	749.27	17.8	18.4	12.6	11.8	11.4	11.2	10.9	10.4	9.8	8.6
740807	2458.37	749.31	17.2	17.8	12.4	11.9	11.3	11.2	10.8	10.4	9.7	8.6
740808	2458.71	749.41	16.7	18.3	12.3	11.8	11.4	11.2	10.8	10.3	9.4	8.6
740809	2458.63	749.39	17.2	18.6	12.3	12.0	11.3	10.8	10.4	9.9	9.7	8.6
740812	2458.71	749.41	17.8	18.4	13.4	12.5	11.6	11.3	10.9	10.5	9.6	8.6
740813	2458.81	749.45	16.7	18.3	18.2	12.8	11.8	11.3	10.8	10.4	9.7	8.6
740814	2458.85	749.46	16.7	18.7	14.9	12.6	11.8	11.3	10.9	10.3	9.6	8.6
740815	2458.95	749.49	15.6	17.9	15.6	13.2	12.1	11.3	10.8	10.4	9.7	8.6
740816	2458.97	749.49	16.7	17.3	15.2	12.5	11.6	11.2	10.6	10.2	9.7	8.6
740819	2458.96	749.49	16.7	16.6	12.9	11.8	11.4	11.2	10.9	10.4	9.7	8.6
740820	2458.97	749.49	16.1	17.5	12.4	11.7	11.4	11.1	10.7	10.3	9.6	8.6
740821	2458.92	749.48	15.0	16.7	13.2	12.1	11.7	11.2	10.8	10.4	9.9	8.6
740823	2458.98	749.50	17.2	17.6	12.9	12.1	11.6	11.2	10.8	10.3	9.6	8.6
740827	2459.04	749.52	15.0	17.2	14.0	12.2	11.7	11.4	10.8	10.3	9.6	8.6
740828	2459.03	749.51	16.7	18.3	14.4	12.4	11.6	11.1	10.7	10.3	9.8	8.6
740829	2459.00	749.50	17.2	19.6	14.1	12.3	11.6	11.2	10.7	10.2	9.5	8.6
740830	2459.00	749.50	17.2	19.6	14.7	12.4	11.6	11.2	10.8	10.4	9.7	8.6
740831	2458.96	749.49	17.2	19.4	14.5	12.1	11.6	11.2	10.9	10.4	9.7	8.6
740901	2459.00	749.50	16.1	18.8	15.9	13.1	11.9	11.4	10.9	10.5	9.5	8.6
740902	2459.01	749.51	15.6	18.7	14.8	12.6	11.6	11.1	10.7	10.4	9.7	8.6
740903	2459.01	749.51	15.6	18.6	14.4	12.2	11.6	11.2	10.7	10.3	9.8	8.7
740904	2458.60	749.38	16.7	18.3	14.5	12.2	11.6	11.1	10.8	10.3	9.6	8.6
740905	2458.17	749.25	16.7	18.2	13.7	12.2	11.4	11.1	10.7	10.2	9.7	8.6
740906	2457.68	749.10	16.7	18.4	12.9	12.1	11.4	11.1	10.6	10.2	9.8	8.6
740909	2457.14	748.94	15.6	17.4	13.1	12.2	11.6	11.2	10.8	10.4	9.8	8.7
740910	2457.21	748.96	15.6	17.3	12.5	11.9	11.4	11.1	10.7	10.3	9.6	8.6
740911	2457.36	749.00	13.9	16.7	13.3	12.3	11.5	11.3	10.9	10.6	9.8	8.6
740913	2457.40	749.02	13.9	16.7	13.4	13.1	11.8	11.3	11.0	10.6	9.8	8.6
740916	2457.76	749.13	14.4	16.5	13.8	13.0	11.8	11.3	10.9	10.4	9.8	8.6
740917	2457.88	749.16	13.9	19.4	13.8	12.4	11.4	11.1	10.6	10.2	9.7	8.7
740918	2457.89	749.16	14.4	16.6	13.6	12.2	11.4	11.1	10.7	10.3	9.9	8.6
740920	2457.95	749.18	15.0	17.1	14.9	12.9	11.6	11.2	10.7	10.2	9.7	8.7
740923	2457.71	749.11	15.0	16.9	16.0	12.4	11.6	11.3	10.8	10.4	9.6	8.7
740925	2456.65	748.79	15.6	16.7	14.8	12.5	11.6	11.2	10.6	10.3	9.6	8.7
740926	2456.01	748.59	13.9	16.8	13.6	12.2	11.6	11.1	10.8	10.3	9.8	8.7
740928	2454.73	748.20	13.3	15.9	14.2	12.0	11.2	10.9	10.7	10.4	9.8	8.6
741001	2452.90	747.64	12.8	15.3	13.9	12.3	11.6	11.3	10.9	10.4	9.8	8.6
741002	2452.65	747.57	13.3	15.1	13.3	12.1	11.6	11.3	10.7	10.2	9.6	8.7
741003	2451.57	747.24	12.8	14.8	12.1	11.7	11.4	11.1	10.6	10.1	9.5	8.7
741004	2451.14	747.11	11.7	14.2	12.4	12.1	11.4	11.1	10.7	10.2	9.7	8.7
741008	2447.53	746.01	9.4	----	12.7	11.9	11.6	11.1	10.9	10.3	9.7	8.7
741009	2446.70	745.75	9.4	----	13.0	12.2	11.9	11.3	10.8	10.4	9.8	8.7
741014	2442.59	744.50	9.4	----	12.9	12.5	11.7	11.2	10.8	10.4	9.7	8.7
741015	2441.69	744.23	10.6	----	12.8	12.0	11.7	11.2	10.7	10.2	9.7	8.7
741016	2440.85	743.97	10.0	----	12.6	12.0	11.4	11.1	10.8	10.2	9.8	8.7
741017	2439.99	743.71	8.9	----	12.5	12.0	11.3	11.1	10.7	10.2	9.7	8.7
741018	2439.19	743.47	10.0	----	12.4	11.7	11.3	11.2	10.7	10.3	9.7	8.7
741022	2435.69	742.40	8.3	----	12.1	12.0	11.7	11.4	10.9	10.4	9.8	8.7
741023	2434.80	742.13	8.3	----	12.0	12.0	11.6	11.3	10.8	10.2	9.4	8.7
741024	2433.92	741.86	9.4	----	12.0	12.0	11.8	11.3	10.8	10.2	9.7	8.7
741025	2433.02	741.58	8.9	----	11.9	11.9	11.8	11.5	11.1	10.4	9.6	8.7
741029	2429.41	740.48	8.9	----	11.7	11.6	11.6	11.2	10.6	10.1	9.8	8.7
741030	2428.49	740.20	8.9	----	11.7	11.6	11.6	11.1	10.7	10.1	9.8	8.7
741031	2427.58	739.93	8.3	----	11.5	11.5	11.5	11.0	10.7	10.4	9.8	8.7
741101	2426.65	739.64	9.4	----	11.4	11.4	11.4	11.4	11.1	10.5	9.9	8.7
741104	2423.77	738.77	8.9	----	11.2	11.2	11.2	11.3	11.2	10.7	9.9	8.7
741105	2423.14	738.57	8.3	----	11.2	11.2	11.2	11.2	11.1	10.2	9.9	8.8
741106	2422.53	738.39	8.3	----	11.1	11.1	11.1	11.1	10.8	10.1	9.9	8.9
741107	2421.99	738.22	8.9	----	11.0	11.0	11.0	11.0	10.7	10.1	10.0	8.9
741108	2421.41	738.05	7.8	----	10.9	10.9	10.9	10.9	10.6	10.1	10.0	9.1
741111	2419.75	737.54	7.8	----	10.6	10.6	10.6	10.7	10.6	10.2	10.1	9.1
741112	2418.92	737.29	7.8	----	10.6	10.6	10.6	10.6	10.5	10.3	10.1	8.9
741113	2418.02	737.01	7.8	----	10.4	10.4	10.4	10.5	10.4	10.3	10.0	8.9
741115	2416.15	736.44	7.2	----	10.3	10.3	10.3	10.4	10.3	10.1	10.3	8.8
741118	2413.23	735.55	7.2	----	10.2	10.2	10.2	10.2	10.2	9.9	10.2	8.9
741119	2412.26	735.26	7.2	----	10.1	10.1	10.1	10.2	10.1	9.9	10.1	8.9
741120	2411.28	734.96	7.8	----	10.1	10.1	10.1	10.1	10.1	9.8	10.1	9.1
741121	2410.33	734.67	7.8	----	10.1	10.1	10.1	10.1	10.0	9.8	10.1	9.2
741122	2409.49	734.41	7.2	----	10.0	10.0	10.0	10.0	10.0	9.8	10.1	9.3
741125	2407.71	733.87	7.2	----	9.8	9.8	9.8	9.9	9.8	9.6	9.8	9.3
741126	2407.16	733.70	6.1	----	9.8	9.8	9.8	9.8	9.7	9.4	9.7	9.4
741127	2406.86	733.61	6.1	----	9.7	9.7	9.7	9.7	9.7	9.4	9.7	9.4
741129	2406.12	733.39	6.1	----	9.5	9.5	9.5	9.6	9.5	9.2	9.6	9.4
741203	2404.49	732.89	6.1	----	9.2	9.2	9.2	9.3	9.2	8.9	9.3	9.2
741204	2403.93	732.72	5.6	----	9.2	9.2	9.2	9.2	9.2	8.9	9.3	9.2
741205	2403.38	732.55	6.1	----	9.1	9.1	9.1	9.2	9.1	8.9	9.2	9.1
741206	2402.83	732.38	5.0	----	9.1	9.1	9.1	9.1	9.1	8.8	9.2	9.1
741209	2401.17	731.88	5.6	----	8.8	8.9	8.9	8.9	8.9	8.6	8.8	8.8
741210	2400.60	731.70	5.6	----	8.7	8.8	8.8	8.8	8.8	8.6	8.8	8.8
741211	2400.02	731.53	6.1	----	8.7	8.8	8.8	8.8	8.8	8.4	8.7	8.7
741212	2399.45	731.35	5.0	----	8.6	8.6	8.6	8.6	8.6	8.1	8.4	8.7
741213	2398.89	731.18	5.6	----	8.6	8.6	8.6	8.6	8.3	8.1	8.4	8.6
741216	2396.73	730.52	5.0	----	8.2	8.2	8.2	8.2	8.2	7.9	7.9	8.2
741217	2395.93	730.28	4.4	----	8.1	8.1	8.2	8.2	8.2	7.8	7.7	8.0
741218	2395.25	730.07	5.0	----	8.1	8.1	8.1	8.1	8.1	7.7	7.6	8.1
741220	2393.72	729.61	4.4	----	7.9	7.9	7.9	7.9	7.9	7.6	7.6	7.6
741223	2391.56	728.95	2.2	----	7.5	7.5	7.6	7.6	7.6	7.2	7.2	7.4
741224	2390.76	728.70	3.9	----	7.4	7.4	7.4	7.4	7.4	7.2	7.2	7.4
741226	2389.13	728.21	3.9	----	7.3	7.3	7.3	7.3	7.3	6.9	7.3	7.4
741227	2388.71	728.08	4.4	----	7.2	7.2	7.2	7.2	7.2	6.9	7.3	7.4
741230	2387.28	727.64	2.8	----	6.9	6.9	6.9	6.9	6.9	6.6	7.0	7.3

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
741231	2386.79	727.49	2.2	----	----	6.8	6.8	6.8	6.8	6.5	6.9	7.3
750102	2385.80	727.19	2.8	----	----	6.6	6.6	6.7	6.7	6.3	6.7	7.3
750103	2385.28	727.03	2.8	----	----	6.6	6.6	6.6	6.6	6.3	6.7	7.3
750106	2383.88	726.61	3.3	----	----	6.4	6.4	6.5	6.5	6.2	6.6	7.1
750107	2383.42	726.47	3.3	----	----	6.4	6.4	6.4	6.4	6.1	6.4	7.1
750108	2382.75	726.26	3.9	----	----	6.3	6.3	6.3	6.3	5.9	6.4	7.0
750109	2382.01	726.04	2.2	----	----	6.2	6.2	6.3	6.3	5.9	6.3	6.9
750110	2381.35	725.84	2.2	----	----	6.2	6.2	6.3	6.2	5.9	6.3	6.9
750113	2379.13	725.16	2.2	----	----	5.9	5.9	5.9	5.9	5.6	6.0	6.7
750115	2377.47	724.65	2.8	----	----	5.7	5.7	5.8	5.8	5.4	5.8	6.5
750116	2376.61	724.39	2.2	----	----	5.6	5.6	5.7	5.7	5.3	5.7	6.4
750117	2375.65	724.10	2.2	----	----	5.5	5.6	5.6	5.6	5.2	5.6	6.4
750120	2373.02	723.30	2.8	----	----	5.5	5.5	5.5	5.5	5.2	5.6	6.2
750122	2370.97	722.67	2.2	----	----	5.4	5.4	5.4	5.4	5.1	5.4	6.2
750123	2369.90	722.35	2.2	----	----	5.4	5.4	5.4	5.4	5.1	5.4	6.2
750124	2368.81	722.01	2.2	----	----	5.3	5.3	5.3	5.3	4.9	5.3	6.1
750127	2365.53	721.01	1.1	----	----	5.0	5.1	4.9	4.9	4.6	5.1	5.9
750128	2364.10	720.58	0.0	----	----	4.9	4.9	4.9	4.9	4.5	4.9	5.8
750129	2362.58	720.11	1.1	----	----	4.8	4.8	4.8	4.8	4.4	4.8	5.8
750130	2361.06	719.65	-2.8	----	----	4.6	4.7	4.7	4.7	4.3	4.7	5.7
750131	2359.61	719.21	0.6	----	----	4.6	4.6	4.6	4.6	4.3	4.7	5.6
750203	2354.37	717.61	0.0	----	----	4.1	4.1	4.1	4.1	3.7	4.2	5.2
750204	2352.51	717.05	0.6	----	----	4.1	4.1	4.1	4.1	3.7	4.2	5.2
750205	2350.78	716.52	-1.1	----	----	4.1	4.1	4.1	4.1	3.6	4.1	5.1
750206	2348.75	715.90	-3.9	----	----	3.4	3.7	3.7	3.7	3.3	3.9	5.1
750207	2347.15	715.41	-1.7	----	----	----	1.9	1.9	1.9	1.6	2.2	4.7
750210	2341.79	713.78	-6.7	----	----	----	1.3	1.3	1.3	1.0	2.4	4.6
750211	2340.10	713.26	-2.2	----	----	----	1.2	1.3	1.3	1.1	1.7	4.6
750212	2338.35	712.73	-2.8	----	----	----	1.1	1.1	1.1	1.0	2.0	4.6
750213	2336.57	712.19	-2.8	----	----	----	1.1	1.1	1.1	0.7	2.4	4.5
750214	2334.77	711.64	-2.8	----	----	----	1.0	1.0	1.0	0.7	2.1	4.6
750217	2329.97	710.17	-6.1	----	----	----	1.1	1.1	1.1	0.7	2.6	4.6
750218	2328.40	709.70	-2.2	----	----	----	1.1	1.1	1.1	1.0	2.3	4.6
750219	2327.10	709.30	-2.8	----	----	----	1.2	1.2	1.2	1.1	2.4	4.6
750220	2325.90	708.93	-2.8	----	----	----	1.0	1.2	1.2	1.2	1.9	4.6
750221	2324.51	708.51	-6.1	----	----	----	----	1.2	0.9	2.2	2.2	4.4
750224	2320.10	707.17	-3.3	----	----	----	----	1.4	1.6	2.5	2.5	4.4
750225	2318.75	706.75	-5.6	----	----	----	----	1.4	1.1	2.9	2.9	4.4
750226	2317.41	706.35	-4.4	----	----	----	----	1.6	1.2	2.7	2.7	4.4
750227	2315.98	705.91	-5.6	----	----	----	----	1.7	1.3	2.7	2.7	4.3
750228	2314.70	705.52	-2.2	----	----	----	----	1.6	1.3	2.6	2.6	4.3
750303	2311.07	704.41	-1.7	----	----	----	----	1.8	1.4	1.9	1.9	4.2
750304	2309.88	704.05	-5.6	----	----	----	----	1.8	1.3	2.0	2.0	4.2
750305	2308.68	703.69	-2.8	----	----	----	----	1.8	1.4	1.9	1.9	4.1
750306	2307.44	703.31	-6.7	----	----	----	----	1.8	1.4	2.0	2.0	4.1
750307	2306.17	702.92	-6.1	----	----	----	----	1.8	1.4	2.1	2.1	4.0
750310	2302.13	701.69	-2.2	----	----	----	----	1.7	1.3	2.1	2.1	3.8
750311	2300.76	701.27	-3.3	----	----	----	----	1.3	1.3	2.1	2.1	3.8
750312	2299.33	700.84	-5.6	----	----	----	----	----	1.3	1.9	1.9	3.8
750314	2296.74	700.05	-2.2	----	----	----	----	----	1.3	2.0	2.0	3.7
750317	2294.60	699.39	-2.8	----	----	----	----	----	1.3	1.9	1.9	3.7
750318	2293.87	699.17	-1.7	----	----	----	----	----	1.4	2.0	2.0	3.7
750319	2293.13	698.95	-2.2	----	----	----	----	----	1.4	2.0	2.0	3.7
750321	2291.65	698.49	-2.2	----	----	----	----	----	1.5	1.9	1.9	3.6
750324	2290.30	698.08	-2.8	----	----	----	----	----	1.7	1.8	1.8	3.5
750325	2289.76	697.92	-3.9	----	----	----	----	----	1.6	1.9	1.9	3.5
750326	2289.42	697.82	-4.4	----	----	----	----	----	1.7	1.8	1.8	3.5
750327	2289.12	697.72	-6.1	----	----	----	----	----	1.7	1.8	1.8	3.4
750328	2288.77	697.62	-3.9	----	----	----	----	----	1.8	1.9	1.9	3.5
750331	2287.03	697.09	-3.3	----	----	----	----	----	1.9	2.0	2.0	3.4
750401	2287.51	697.23	-7.8	----	----	----	----	----	1.8	2.1	2.1	3.4
750402	2287.18	697.13	-2.8	----	----	----	----	----	1.8	2.4	2.4	3.4
750403	2286.83	697.03	-2.2	----	----	----	----	----	2.1	2.2	2.2	3.5
750404	2286.56	696.94	-3.9	----	----	----	----	----	2.1	2.6	2.6	3.4
750407	2286.47	696.92	-2.2	----	----	----	----	----	2.1	2.6	2.6	3.4
750408	2286.45	696.91	-2.2	----	----	----	----	----	2.2	2.3	2.3	3.5
750409	2286.50	696.93	-2.2	----	----	----	----	----	2.2	2.7	2.7	3.4
750411	2286.54	696.94	-3.9	----	----	----	----	----	2.2	2.7	2.7	3.6
750414	2286.78	697.01	1.1	----	----	----	----	----	2.6	3.1	3.1	3.8
750415	2286.89	697.04	1.1	----	----	----	----	----	2.3	2.8	2.8	3.8
750416	2286.88	697.04	1.7	----	----	----	----	----	2.3	2.8	2.8	3.8
750417	2286.91	697.05	0.6	----	----	----	----	----	2.4	2.9	2.9	3.9
750418	2286.89	697.04	1.7	----	----	----	----	----	2.4	2.9	2.9	3.9
750421	2286.65	696.97	0.6	----	----	----	----	----	2.7	3.2	3.2	4.1
750422	2286.60	696.96	0.0	----	----	----	----	----	2.6	3.3	3.3	4.1
750423	2286.60	696.96	2.8	----	----	----	----	----	2.7	3.3	3.3	4.2
750424	2286.63	696.96	1.1	----	----	----	----	----	2.7	3.3	3.3	4.2
750428	2287.02	697.08	2.2	----	----	----	----	----	3.2	3.6	3.6	4.3
750429	2287.16	697.13	1.7	----	----	----	----	----	3.2	3.7	3.7	4.3
750430	2287.13	697.12	3.3	----	----	----	----	----	3.8	4.1	4.1	4.4
750501	2286.96	697.07	4.4	----	----	----	----	----	4.6	4.2	4.2	4.4
750502	2286.80	697.02	3.9	----	----	----	----	----	3.5	3.9	3.9	4.4
750505	2287.42	697.21	3.9	----	----	----	----	----	3.9	3.9	3.9	4.6
750506	2287.52	697.24	3.3	----	----	----	----	----	3.9	4.1	4.1	4.6
750507	2287.46	697.22	3.9	----	----	----	----	----	4.1	4.4	4.4	4.6
750508	2287.46	697.22	6.7	----	----	----	----	----	5.5	5.7	5.7	4.7
750509	2287.62	697.27	6.7	----	----	----	----	----	6.8	5.6	5.6	4.9
750512	2289.65	697.89	7.8	----	----	----	----	----	7.4	4.8	4.8	4.9
750513	2290.95	698.28	10.6	----	----	----	----	----	6.9	5.0	5.0	4.9
750514	2293.26	698.99	9.4	----	----	----	----	----	7.2	5.3	5.3	5.0
750515	2295.96	699.81	12.2	----	----	----	----	----	7.3	5.7	5.7	5.0
750516	2299.10	700.77	15.0	----	----	----	----	----	7.6	6.2	6.2	4.9

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
750519	2309.50	703.94	7.2	----	----	----	----	----	8.7	7.7	5.2	5.0
750520	2312.50	704.85	7.8	----	----	----	----	----	9.6	9.1	7.8	5.1
750521	2314.77	705.54	16.1	----	----	----	----	----	9.7	9.2	9.6	5.1
750522	2316.62	706.11	11.7	----	----	----	----	----	10.6	9.5	5.6	5.0
750523	2318.31	706.62	8.9	----	----	----	----	----	10.0	9.2	6.5	5.1
750527	2324.92	708.64	10.0	----	----	----	----	----	9.3	8.8	7.5	5.2
750528	2326.23	709.03	10.0	----	----	----	----	11.0	10.4	8.9	8.2	5.3
750529	2327.54	709.43	9.4	----	----	----	----	11.4	10.6	9.1	5.9	5.3
750530	2329.21	709.94	12.8	----	----	----	----	13.5	10.0	9.2	6.7	5.4
750602	2336.65	712.21	15.0	----	----	----	----	10.3	9.8	9.2	8.9	5.4
750603	2339.96	713.22	11.7	----	----	----	----	10.4	9.7	9.1	7.5	5.5
750604	2343.60	714.33	9.4	----	----	----	----	9.9	9.7	9.0	7.9	5.6
750605	2347.43	715.50	10.6	----	----	----	----	10.1	9.7	9.1	8.1	5.6
750609	2361.81	719.88	14.4	----	----	----	12.6	11.3	10.6	9.3	7.7	5.6
750610	2364.30	720.64	17.2	----	----	----	12.4	11.3	9.9	8.8	8.6	5.7
750611	2366.55	721.32	15.6	----	----	----	11.6	11.6	9.9	9.2	8.6	5.7
750612	2368.85	722.03	13.9	----	----	----	11.2	10.5	10.0	9.2	8.6	5.7
750613	2371.40	722.80	11.7	----	----	----	10.9	10.5	9.8	9.2	8.7	5.7
750616	2380.16	725.47	10.0	----	----	10.8	10.2	10.1	9.7	8.8	8.7	5.7
750623	2396.84	730.56	15.0	----	----	11.8	11.1	10.9	10.7	10.0	9.1	5.9
750624	2398.97	731.21	18.3	----	----	11.7	11.2	10.9	10.7	9.5	8.6	5.9
750625	2401.07	731.85	13.9	----	14.3	11.8	11.1	10.9	10.6	9.7	8.9	5.9
750626	2403.42	732.56	11.7	----	13.4	11.9	11.0	10.8	10.1	9.0	8.8	5.9
750627	2405.60	733.23	10.6	----	12.2	11.4	10.8	10.6	10.1	9.4	9.3	6.0
750630	2410.33	734.67	12.2	----	12.9	10.9	10.7	10.3	10.1	9.6	9.5	6.1
750701	2411.40	734.99	13.9	----	14.6	12.4	10.9	10.8	10.6	9.9	9.3	6.1
750702	2412.42	735.31	16.1	----	15.7	13.3	11.1	10.9	10.6	9.7	8.7	6.0
750707	2420.40	737.74	18.9	----	13.6	12.1	11.3	11.0	10.5	9.6	9.2	6.2
750708	2422.23	738.30	18.3	----	18.2	12.8	11.2	10.7	10.3	9.3	8.9	6.2
750709	2424.00	738.84	20.6	----	17.5	11.8	11.3	10.9	10.2	9.4	8.6	6.2
750710	2425.55	739.31	22.2	----	16.2	12.2	11.3	10.9	10.4	9.5	9.1	6.2
750711	2427.00	739.75	23.3	----	15.6	12.1	11.2	10.9	10.3	9.3	8.8	6.2
750714	2430.82	740.91	17.8	----	13.8	11.7	11.2	10.8	10.5	9.4	8.7	6.3
750715	2431.94	741.26	17.2	----	13.6	11.7	11.2	10.7	10.3	9.3	8.6	6.3
750716	2432.90	741.55	16.1	----	13.9	11.7	11.2	10.8	10.2	9.1	8.7	6.3
750718	2434.75	742.11	14.4	----	12.4	11.6	10.9	10.6	10.3	9.3	9.0	6.3
750721	2436.86	742.75	16.7	----	13.3	12.0	11.2	10.8	10.3	9.3	8.7	6.4
750722	2437.44	742.93	17.2	----	13.7	12.2	11.4	11.1	10.2	9.2	8.2	6.3
750723	2438.01	743.11	17.2	----	13.3	12.1	11.3	10.9	10.2	9.3	8.6	6.4
750724	2438.55	743.27	19.4	----	13.7	12.1	11.3	10.7	10.2	9.3	8.7	6.4
750725	2439.05	743.42	18.9	----	14.6	12.8	11.4	10.9	10.3	9.5	9.0	6.4
750728	2440.56	743.88	18.9	----	14.0	12.7	11.4	10.9	10.4	9.5	9.0	6.4
750729	2441.07	744.04	17.8	----	14.5	12.8	11.4	10.8	10.3	9.4	8.9	6.3
750811	2446.97	745.84	16.7	----	14.7	13.1	11.6	10.9	10.3	9.5	9.3	6.6
750812	2447.30	745.94	16.1	----	14.4	12.8	11.2	10.7	10.1	9.4	8.8	6.6
750813	2447.74	746.07	17.8	----	16.4	14.0	12.1	11.2	10.3	9.4	8.3	6.6
750815	2448.30	746.24	18.3	----	18.2	13.6	11.2	10.8	10.3	9.4	8.8	6.6
750818	2448.93	746.43	17.2	----	14.9	12.2	11.2	10.7	10.2	9.4	9.1	6.6
750819	2449.17	746.51	17.2	----	14.7	12.3	11.2	10.8	10.3	9.4	8.9	6.6
750820	2449.45	746.59	15.6	----	15.1	12.3	11.2	10.7	10.2	9.3	9.1	6.6
750821	2449.70	746.67	18.3	----	14.3	12.3	11.1	10.7	10.2	9.3	9.3	6.6
750822	2449.98	746.75	17.2	----	14.1	12.5	11.3	10.7	10.3	9.5	9.3	6.6
750826	2451.30	747.16	15.6	17.1	17.0	14.2	11.7	10.9	10.4	9.7	8.8	6.6
750827	2451.63	747.26	16.1	17.8	17.7	14.3	11.6	11.2	10.6	9.7	9.2	6.6
750828	2451.85	747.32	16.7	18.3	17.4	13.9	11.4	10.8	10.3	9.3	8.8	6.7
750829	2452.20	747.43	15.6	18.1	15.4	13.8	11.4	10.8	10.3	9.5	9.1	6.7
750902	2453.68	747.88	15.6	16.7	14.5	12.6	11.4	10.8	10.2	9.3	9.1	6.6
750903	2453.98	747.97	13.9	16.4	15.1	12.8	11.5	11.1	10.5	9.6	9.3	6.7
750904	2454.31	748.07	14.4	16.4	14.5	13.0	11.5	11.1	10.6	9.6	8.7	6.6
750905	2454.55	748.15	16.1	16.7	15.0	13.1	11.6	11.0	10.5	9.4	8.9	6.7
750908	2455.28	748.37	16.1	17.5	14.8	13.1	11.6	11.1	10.5	9.4	9.1	6.7
750909	2455.47	748.43	16.1	18.2	15.1	13.6	11.8	11.1	10.5	9.6	8.8	6.7
750910	2455.34	748.39	15.6	16.9	15.1	13.4	11.8	11.1	10.4	9.4	9.3	6.8
750912	2454.64	748.17	15.6	17.6	16.9	14.8	12.2	10.9	10.4	9.6	9.4	6.9
750915	2454.22	748.05	16.7	18.6	16.1	13.8	12.2	11.3	10.6	9.6	9.4	6.8
750916	2454.11	748.01	16.1	17.9	15.7	13.5	11.8	11.1	10.4	9.6	9.4	6.8
750917	2454.11	748.01	14.4	16.0	14.9	12.9	11.4	10.8	10.4	9.7	9.6	6.8
750918	2454.11	748.01	13.9	15.7	15.3	13.2	11.4	11.1	10.6	9.8	9.5	6.8
750919	2454.14	748.02	13.3	15.7	14.2	12.8	11.4	11.1	10.7	9.8	9.6	6.9
750922	2454.07	748.00	15.0	16.7	15.9	14.8	12.3	11.4	10.9	9.8	9.4	6.9
750925	2453.89	747.95	15.0	16.6	15.7	13.6	12.4	11.3	10.6	9.7	9.7	6.9
750926	2453.84	747.93	14.4	16.7	15.1	13.4	12.0	11.1	10.7	9.8	9.7	6.9
750928	2453.51	747.83	13.9	15.9	14.9	13.1	12.1	11.4	10.8	9.8	9.6	6.9
750929	2453.32	747.77	9.4	12.3	12.1	12.1	12.1	11.5	10.6	10.6	10.5	6.9
751001	2452.93	747.65	12.8	15.8	15.4	14.0	12.6	11.7	11.1	10.0	9.8	6.9
751003	2452.46	747.51	13.9	15.9	15.6	14.9	12.6	12.1	11.1	9.9	9.7	6.9
751006	2451.85	747.32	12.8	15.3	14.2	13.2	12.6	11.6	10.8	9.8	9.8	7.0
751007	2451.80	747.31	12.2	15.1	14.6	13.4	12.4	11.2	10.9	10.1	10.0	7.0
751008	2451.60	747.25	12.2	14.9	14.8	13.9	12.7	12.1	11.3	10.2	9.9	7.1
751009	2451.45	747.20	11.7	14.7	14.7	13.3	12.3	11.4	10.8	9.8	9.9	7.1
751010	2451.20	747.13	12.2	14.6	14.6	13.6	12.7	12.1	11.3	10.3	10.1	7.2

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
751014	2450.49	746.91	11.1	14.1	14.2	14.2	12.8	12.1	11.1	10.1	9.9	7.2
751015	2450.26	746.84	11.7	14.0	14.1	14.1	12.9	12.1	11.3	10.1	9.9	7.2
751016	2450.06	746.78	11.7	14.0	13.9	13.7	12.6	11.8	11.2	10.3	10.1	7.2
751017	2449.92	746.74	11.1	-----	13.9	13.2	12.7	12.1	11.4	10.4	10.1	7.2
751020	2449.39	746.57	10.6	-----	13.4	13.0	12.3	11.8	11.3	10.4	10.1	7.3
751021	2449.19	746.51	10.6	-----	13.2	12.9	12.3	11.7	11.2	10.3	10.2	7.3
751022	2449.03	746.46	10.6	-----	13.0	12.7	12.3	11.9	11.4	10.5	10.1	7.3
751028	2446.68	745.75	8.9	-----	12.2	12.2	12.2	11.5	11.5	10.6	10.6	7.4
751029	2446.23	745.61	9.4	-----	12.1	12.1	12.1	12.1	11.5	10.6	10.5	7.4
751030	2445.77	745.47	9.4	-----	12.1	12.1	12.0	12.1	11.8	10.5	10.4	7.4
751103	2443.89	744.90	10.0	-----	11.8	11.8	11.7	11.8	11.6	10.5	10.7	7.6
751104	2443.76	744.86	9.4	-----	11.8	11.8	11.7	11.8	11.7	10.6	10.6	7.7
751105	2443.43	744.76	8.9	-----	11.8	11.8	11.7	11.8	11.7	10.7	10.5	7.7
751106	2443.15	744.67	8.9	-----	11.7	11.7	11.7	11.7	11.7	10.5	10.4	7.7
751107	2442.87	744.59	9.4	-----	11.7	11.7	11.6	11.7	11.3	10.5	10.7	7.8
751110	2441.88	744.29	7.8	-----	11.2	11.2	11.2	11.2	11.2	10.6	10.8	7.8
751111	2441.45	744.15	7.8	-----	11.1	11.1	11.1	11.1	11.1	10.5	11.1	7.8
751112	2440.97	744.01	7.2	-----	11.0	11.0	11.0	11.1	10.9	10.4	11.0	7.9
751113	2440.64	743.91	7.8	-----	11.0	10.9	10.9	10.9	10.9	10.3	10.9	7.9
751114	2440.24	743.79	8.9	-----	10.9	10.9	10.8	10.9	10.8	10.3	10.9	7.9
751117	2438.98	743.40	7.2	-----	10.7	10.7	10.7	10.7	10.7	10.1	10.7	8.1
751119	2438.06	743.12	7.2	-----	10.6	10.6	10.5	10.6	10.5	9.9	10.6	8.1
751120	2437.51	742.95	6.7	-----	10.4	10.4	10.4	10.4	10.4	9.8	10.5	8.1
751121	2436.85	742.75	6.1	-----	10.4	10.3	10.3	10.3	10.3	9.7	10.4	8.2
751124	2434.94	742.17	7.2	-----	10.1	10.1	10.1	10.1	10.1	9.5	10.1	8.4
751125	2434.33	741.98	5.6	-----	10.1	10.1	10.0	10.0	10.0	9.4	10.1	8.5
751126	2433.68	741.79	6.7	-----	10.0	9.9	9.9	9.9	9.9	9.4	10.1	8.5
751128	2432.23	741.34	6.1	-----	9.8	9.8	9.8	9.8	9.7	9.2	9.8	8.6
751201	2429.84	740.62	6.1	-----	9.4	9.3	9.3	9.4	9.3	8.7	9.4	8.6
751202	2429.25	740.44	6.1	-----	9.3	9.3	9.3	9.3	9.3	8.7	9.3	8.7
751203	2428.82	740.30	7.2	-----	9.3	9.3	9.3	9.3	9.2	8.6	9.3	8.6
751204	2428.75	740.28	7.2	-----	9.3	9.2	9.2	9.3	9.2	8.4	9.1	8.6
751208	2429.08	740.38	5.6	-----	8.8	8.7	8.7	8.8	8.6	7.9	8.6	8.5
751209	2429.01	740.36	6.1	-----	8.8	8.8	8.7	8.8	8.7	8.1	8.5	8.5
751212	2428.05	740.07	5.0	-----	8.5	8.4	8.4	8.5	8.4	7.8	8.3	8.3
751215	2425.70	739.35	4.4	-----	8.2	8.1	8.1	8.2	8.1	7.5	8.2	8.2
751216	2424.80	739.08	3.9	-----	8.1	8.0	8.1	8.1	8.0	7.4	8.1	8.1
751217	2423.90	738.80	3.9	-----	7.9	7.9	7.8	7.9	7.8	7.3	7.9	8.1
751219	2422.13	738.27	4.4	-----	7.8	7.7	7.7	7.7	7.7	7.1	7.8	8.0
751222	2421.08	737.95	4.4	-----	7.6	7.6	7.5	7.6	7.5	6.9	7.6	7.7
751223	2420.16	737.66	3.9	-----	7.5	7.4	7.4	7.4	7.4	6.8	7.5	7.7
751224	2419.10	737.34	4.4	-----	7.5	7.4	7.4	7.4	7.4	6.8	7.5	7.7
751229	2413.91	735.76	4.4	-----	7.1	7.1	7.1	7.2	7.0	6.0	6.7	7.2
751230	2412.83	735.43	3.9	-----	7.1	7.0	7.0	7.1	6.7	5.8	6.6	7.1
751231	2411.86	735.13	4.4	-----	6.8	6.8	6.8	6.8	6.8	6.2	6.3	6.9
760102	2409.57	734.44	2.2	-----	6.5	6.4	6.4	6.5	6.4	5.8	6.2	6.8
760105	2405.78	733.28	1.7	-----	6.2	6.1	6.1	6.2	6.1	5.5	6.1	6.7
760106	2404.78	732.98	3.3	-----	6.2	6.2	6.2	6.2	6.1	5.5	6.0	6.6
760107	2403.86	732.70	2.8	-----	6.1	6.0	6.0	6.1	6.0	5.4	6.0	6.6
760108	2402.57	732.30	2.2	-----	5.9	5.9	5.9	6.0	5.9	5.3	6.0	6.6
760109	2401.20	731.89	2.8	-----	5.9	5.9	5.9	5.9	5.9	5.3	5.9	6.6
760112	2397.46	730.75	2.8	-----	5.7	5.7	5.7	5.7	5.7	5.1	5.7	6.4
760113	2396.18	730.36	1.7	-----	5.7	5.7	5.7	5.7	5.6	5.7	5.7	6.2
760114	2394.83	729.94	1.1	-----	5.6	5.6	5.6	5.7	5.6	4.9	5.7	6.3
760115	2393.41	729.51	1.1	-----	5.6	5.5	5.5	5.6	5.6	4.9	5.6	6.3
760116	2393.02	729.39	3.9	-----	5.5	5.5	5.5	5.5	5.5	4.8	5.6	6.2
760119	2387.90	727.83	1.7	-----	5.3	5.3	5.3	5.3	5.3	4.4	5.1	5.9
760120	2387.17	727.61	1.7	-----	5.2	5.2	5.2	5.2	5.1	4.2	4.9	5.8
760121	2385.90	727.22	0.6	-----	5.1	5.1	5.2	5.2	4.8	4.1	4.8	5.7
760122	2384.40	726.77	2.2	-----	5.0	4.9	4.9	4.9	4.8	4.1	4.6	5.6
760123	2382.97	726.33	1.1	-----	4.7	4.7	4.7	4.6	4.4	3.8	4.5	5.4
760126	2378.43	724.95	1.1	-----	4.3	4.4	4.4	4.4	4.4	3.8	4.3	5.2
760128	2374.43	723.73	1.7	-----	4.4	4.4	4.4	4.4	4.3	3.7	4.2	5.2
760129	2373.84	723.55	1.1	-----	4.3	4.3	4.3	4.3	4.3	3.7	4.2	5.1
760130	2372.27	723.07	1.1	-----	4.1	4.2	4.2	4.2	4.2	3.4	4.1	5.1
760131	2370.84	722.63	-2.2	-----	3.6	3.7	3.7	3.7	3.7	3.1	3.9	4.8
760202	2368.13	721.81	1.1	-----	3.9	4.1	4.1	4.0	4.0	3.4	4.1	5.0
760203	2366.86	721.42	1.1	-----	3.9	3.9	3.9	3.9	3.9	3.3	4.0	4.9
760204	2365.45	720.99	0.6	-----	3.8	3.8	3.8	3.7	3.7	3.2	3.9	4.8
760205	2363.90	720.52	-2.2	-----	3.4	3.6	3.6	3.6	3.6	3.1	3.9	4.8
760206	2362.40	720.06	-2.2	-----	3.6	3.7	3.7	3.7	3.7	3.1	3.9	4.8
760209	2358.22	718.79	1.7	-----	3.7	3.8	3.8	3.7	3.7	3.1	3.9	4.7
760210	2357.02	718.42	1.1	-----	3.7	3.7	3.7	3.7	3.6	3.0	3.7	4.7
760211	2355.80	718.05	1.1	-----	3.6	3.7	3.7	3.6	3.6	3.0	3.8	4.7
760212	2354.60	717.68	1.1	-----	3.5	3.6	3.6	3.6	3.6	2.9	3.7	4.6
760213	2353.54	717.36	0.0	-----	3.6	3.6	3.6	3.6	3.6	2.9	3.7	4.6
760217	2349.84	716.23	1.7	-----	3.3	3.3	3.3	3.2	3.2	2.6	3.4	4.4
760218	2348.85	715.93	1.1	-----	3.2	3.3	3.3	3.2	3.2	2.6	3.3	4.3
760219	2347.90	715.64	0.6	-----	3.3	3.3	3.3	3.2	3.2	2.6	3.3	4.3
760220	2347.17	715.42	1.1	-----	3.3	3.3	3.3	3.3	3.3	2.6	3.4	4.3
760223	2344.80	714.70	1.1	-----	3.3	3.3	3.2	3.2	3.2	2.6	3.2	4.3
760224	2344.03	714.46	1.1	-----	3.1	3.1	3.1	3.1	3.1	2.4	3.2	4.3
760225	2343.28	714.23	0.6	-----	3.0	3.0	2.9	2.9	2.9	2.3	3.1	4.4
760226	2342.56	714.01	-1.1	-----	2.9	2.9	2.9	2.9	2.9	2.2	3.1	4.4
760227	2341.80	713.78	0.0	-----	2.8	2.8	2.8	2.8	2.8	2.1	3.1	4.4
760301	2339.70	713.14	-1.1	-----	2.7	2.7	2.7	2.7	2.6	2.0	2.7	3.9
760302	2338.84	712.88	-2.2	-----	2.2	2.2	2.2	2.2	2.2	1.6	2.7	3.8
760305	2334.91	711.68	-3.9	-----	1.6	1.6	1.6	1.6	1.6	1.1	2.4	3.7
760308	2330.95	710.47	-3.9	-----	1.7	1.7	1.7	1.7	1.6	0.9	1.8	3.6
760309	2329.42	710.01	0.0	-----	1.4	1.4	1.4	1.4	1.4	0.8	2.2	3.5
760310	2327.80	709.51	0.0	-----	1.4	1.4	1.4	1.4	1.3	0.8	2.2	3.5
760311	2326.32	709.06	-1.7	-----	1.4	1.4	1.4	1.4	1.4	0.8	1.6	3.2



TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELFVATION (FEET)	ELEVATION (METERS)	TEMPERATURE (DEG. C)										
			SURFACE	(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94	
760315	2321.80	707.68	---	---	---	---	---	---	---	1.5	0.8	2.1	3.3
760316	2320.70	707.35	-2.8	---	---	---	---	---	---	1.6	1.0	2.0	3.3
760317	2319.80	707.08	0.0	---	---	---	---	---	---	1.7	1.1	2.2	3.3
760318	2318.97	706.82	-1.1	---	---	---	---	---	---	1.9	1.4	2.3	3.3
760319	2318.10	706.56	-0.6	---	---	---	---	---	---	2.0	1.3	2.1	3.2
760322	2316.23	705.99	0.0	---	---	---	---	---	---	2.0	1.4	2.2	3.3
760323	2315.61	705.80	0.0	---	---	---	---	---	---	2.1	---	2.2	3.4
760324	2315.04	705.62	-1.1	---	---	---	---	---	---	2.0	---	2.2	3.4
760325	2314.56	705.48	0.6	---	---	---	---	---	---	2.1	1.6	2.2	3.4
760326	2314.30	705.40	0.6	---	---	---	---	---	---	2.1	1.4	2.2	3.4
760329	2313.40	705.12	0.6	---	---	---	---	---	---	2.2	1.5	2.3	3.4
760330	2313.15	705.05	0.0	---	---	---	---	---	---	2.2	1.5	2.3	3.5
760331	2312.45	704.83	0.6	---	---	---	---	---	---	2.2	1.6	2.3	3.3
760401	2311.55	704.56	1.1	---	---	---	---	---	---	2.2	1.6	2.3	3.3
760402	2310.60	704.27	0.6	---	---	---	---	---	---	2.2	1.6	2.3	3.3
760405	2307.99	703.48	0.6	---	---	---	---	---	---	2.4	1.7	2.5	3.4
760406	2307.58	703.35	1.1	---	---	---	---	---	---	2.4	1.8	2.6	3.5
760407	2307.33	703.27	2.2	---	---	---	---	---	---	2.6	1.9	2.7	3.6
760408	2307.50	703.33	2.2	---	---	---	---	---	---	2.6	2.1	2.8	3.7
760409	2307.71	703.39	3.3	---	---	---	---	---	---	2.8	2.2	2.9	3.7
760412	2309.04	703.80	2.8	---	---	---	---	---	---	3.1	2.3	3.1	3.8
760413	2310.03	704.10	2.8	---	---	---	---	---	---	3.2	2.4	3.2	3.9
760414	2311.16	704.44	2.8	---	---	---	---	---	---	3.2	2.6	3.3	4.0
760415	2312.18	704.75	2.8	---	---	---	---	---	---	3.2	2.6	3.3	4.0
760416	2312.95	704.99	2.2	---	---	---	---	---	---	3.4	2.7	3.3	4.1
760419	2315.61	705.80	2.2	---	---	---	---	---	---	3.4	2.6	3.4	4.2
760420	2316.40	706.04	1.1	---	---	---	---	---	---	3.3	2.7	3.4	4.2
760421	2316.97	706.21	2.2	---	---	---	---	---	---	3.4	2.7	3.5	4.3
760422	2317.68	706.43	2.8	---	---	---	---	---	---	3.4	2.7	3.6	4.3
760423	2318.24	706.60	2.8	---	---	---	---	---	---	3.8	2.8	3.6	4.4
760426	2319.95	707.12	2.8	---	---	---	---	---	---	4.0	3.3	4.1	4.4
760427	2320.42	707.26	3.3	---	---	---	---	---	---	3.9	3.3	4.0	4.4
760428	2321.01	707.44	2.2	---	---	---	---	---	---	4.0	3.3	4.1	4.4
760429	2321.50	707.59	2.8	---	---	---	---	---	---	4.2	3.5	4.2	4.6
760430	2322.01	707.75	5.6	---	---	---	---	---	---	4.2	3.5	4.2	4.6
760503	2324.50	708.51	7.8	---	---	---	---	---	---	4.8	3.6	4.3	4.7
760504	2326.10	709.00	5.6	---	---	---	---	6.6	4.8	4.8	3.6	4.2	4.7
760505	2328.10	709.60	8.9	---	---	---	---	8.6	5.8	4.1	4.1	4.2	4.7
760506	2330.40	710.31	8.9	---	---	---	---	7.4	5.7	3.8	4.2	4.2	4.7
760507	2332.99	711.10	9.4	---	---	---	---	6.8	5.5	3.7	4.2	4.2	4.7
760510	2342.69	714.05	13.3	---	---	---	---	7.3	6.8	5.3	4.3	4.3	4.7
760511	2346.81	715.31	7.2	---	---	---	---	7.5	7.1	4.8	4.3	4.3	4.7
760512	2351.79	716.83	7.8	---	---	---	7.3	7.1	6.2	3.7	4.1	4.1	4.6
760513	2355.99	718.11	8.3	---	---	---	8.0	7.3	7.1	6.1	4.4	4.4	4.7
760514	2359.55	719.19	7.2	---	---	---	7.8	7.8	7.4	5.7	4.3	4.3	4.7
760517	2368.91	722.04	10.6	---	---	---	9.9	9.1	7.6	4.1	4.5	4.5	4.8
760518	2371.51	722.84	8.9	---	---	---	9.3	9.0	7.8	5.7	4.3	4.3	4.8
760519	2373.98	723.59	9.4	---	---	---	9.4	9.2	8.2	6.4	5.1	4.8	4.8
760520	2376.11	724.24	9.4	---	---	10.7	9.1	8.7	8.2	5.6	4.7	4.7	4.8
760521	2378.47	724.96	8.9	---	---	9.2	8.8	8.8	7.9	5.8	4.8	4.8	4.8
760524	2385.00	726.95	17.8	---	---	14.5	10.7	9.6	8.6	5.7	4.5	4.5	4.9
760525	2387.68	727.76	11.7	---	---	12.1	9.8	9.3	8.3	5.2	4.6	4.6	4.8
760526	2390.31	728.57	11.1	---	---	11.4	9.0	8.6	8.1	6.6	4.9	4.9	4.9
760527	2392.60	729.26	11.7	---	---	9.9	9.4	9.0	8.6	7.3	4.9	4.9	4.9
760528	2394.05	729.83	9.4	---	---	10.1	9.6	8.9	8.2	5.1	4.7	4.7	4.9
760531	2401.20	731.89	8.9	---	---	10.4	10.1	9.4	9.1	8.7	5.8	4.7	5.0
760601	2402.80	732.37	8.9	---	---	10.4	9.7	9.2	8.9	8.5	6.7	5.0	5.0
760602	2404.40	732.86	10.0	---	---	10.5	9.6	9.3	9.1	8.8	6.6	4.8	5.0
760603	2405.55	733.21	8.3	---	---	9.9	9.5	9.1	8.9	8.7	7.0	4.8	5.1
760604	2406.55	733.52	10.6	---	---	10.4	9.5	9.1	8.9	8.7	6.9	4.9	5.1
760607	2409.30	734.35	12.2	---	---	12.6	11.9	11.6	10.1	9.4	8.2	5.1	5.1
760608	2410.20	734.63	13.9	---	---	13.8	13.1	11.7	9.8	9.0	7.3	5.2	5.1
760609	2411.05	734.89	16.1	---	---	13.6	12.4	10.2	9.4	9.0	7.2	5.1	5.1
760610	2412.25	735.25	12.2	---	---	13.1	11.9	9.8	9.2	8.7	7.4	5.2	5.1
760611	2413.90	735.76	11.7	---	---	11.8	10.7	9.9	9.3	8.9	6.8	5.1	5.1
760614	2418.90	737.28	10.0	---	---	10.1	9.6	9.2	9.1	8.8	7.7	5.0	5.2
760615	2420.17	737.67	11.1	---	---	10.2	9.9	9.2	9.1	8.6	7.4	5.0	5.2
760617	2422.80	738.47	11.7	---	---	12.0	10.4	9.3	9.2	8.8	8.0	5.3	5.2
760618	2424.23	738.91	15.0	---	---	11.7	10.6	9.5	9.2	8.9	7.7	5.6	5.2
760621	2429.42	740.49	13.3	---	---	13.6	11.2	9.9	9.2	8.8	7.9	6.1	5.2
760622	2431.13	741.01	16.1	---	---	14.1	11.3	9.9	9.4	8.9	7.4	5.6	5.2
760623	2432.67	741.48	12.8	---	---	11.2	10.1	9.3	9.1	8.4	7.0	5.3	5.2
760624	2434.14	741.93	12.2	---	---	10.6	9.9	9.2	9.0	8.6	7.5	5.7	5.3
760625	2435.51	742.34	9.4	---	---	10.3	9.8	9.0	8.9	8.7	7.6	5.7	5.3
760629	2440.03	743.72	13.3	---	---	10.8	10.7	10.2	9.8	9.3	7.8	5.4	5.3
760630	2441.10	744.05	15.6	---	---	12.3	11.3	10.3	9.9	9.0	7.8	5.6	5.3
760701	2442.50	744.47	13.9	---	---	11.9	11.1	9.9	9.2	8.7	7.8	5.4	5.3
760702	2444.30	745.02	12.2	---	---	11.3	10.2	9.5	9.2	8.9	7.7	5.7	5.3
760705	2448.32	746.25	15.6	---	---	11.6	11.0	9.9	9.4	8.9	7.7	5.4	5.3
760706	2449.51	746.61	16.7	---	---	11.4	10.3	9.7	9.4	8.9	7.6	5.9	5.3
760707	2450.51	746.92	17.8	18.9	11.9	10.9	9.9	9.5	9.2	7.9	6.9	5.9	5.3
760708	2451.20	747.13	17.8	18.4	11.5	11.1	10.2	9.8	9.3	8.2	6.2	5.4	5.4
760712	2453.91	747.95	17.8	19.2	11.8	11.2	10.3	9.6	9.1	7.7	6.3	5.5	5.5
760713	2454.55	748.15	14.4	15.2	11.7	11.2	10.1	9.6	9.1	7.8	6.3	5.4	5.4
760715	2455.91	748.56	16.7	15.6	11.8	11.2	10.4	10.1	9.4	8.4	7.2	5.4	5.4
760716	2456.30	748.68	18.3	18.6	12.1	11.6	10.7	10.2	9.9	8.0	7.1	5.6	5.7
760719	2456.53	748.75	16.7	17.2	11.9	11.6	10.8	10.3	9.8	8.3	7.0	5.7	5.7
760720	0.00	0.00	16.1	17.3	12.0	11.5	10.7	10.2	9.6	8.4	7.6	5.7	5.7
760721	0.00	0.00	17.2	15.1	12.1	11.5	10.8	10.2	9.6	8.1	7.9	5.7	5.7
760722	2457.47	749.04	14.4	15.4	12.1	11.7	10.9	10.1	9.7	8.3	7.6	5.7	5.7
760723	2457.93	749.18	16.7	16.5	12.1	11.6	10.5	9.9	9.4	8.1	7.4	5.7	5.7
760726	2458.60	749.38	16.1	14.6	12.3	11.7	11.0	10.4	9.7	8.6	7.9	5.7	5.7

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

TEMPERATURE (DEG. C)												
DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
760727	2458.78	749.44	12.8	12.6	12.1	11.5	11.1	10.7	9.9	8.0	7.4	5.7
760728	2458.91	749.48	12.8	13.1	12.4	11.8	11.1	10.6	9.3	8.3	7.2	5.7
760729	2459.00	749.50	14.4	15.2	12.6	12.1	11.2	10.1	9.7	8.4	8.3	5.7
760730	2458.97	749.49	15.0	15.6	13.7	12.4	11.7	11.0	10.2	8.9	8.2	5.8
760802	2458.87	749.46	17.8	17.6	15.7	13.7	11.9	11.1	10.3	8.4	8.2	5.8
760803	2458.88	749.47	18.9	19.3	15.4	12.6	11.4	10.8	9.8	8.9	8.1	5.8
760804	2458.88	749.47	16.7	17.3	15.2	12.3	11.4	11.1	10.2	8.8	8.2	5.8
760805	2459.05	749.52	17.2	17.3	15.5	12.4	11.4	11.0	10.4	8.9	8.5	5.9
760806	2459.10	749.53	17.8	18.6	15.6	12.2	11.3	11.0	10.5	8.8	8.4	5.9
760808	2458.83	749.45	17.2	18.6	14.9	12.1	11.4	10.9	10.1	8.7	6.6	6.1
760809	2458.85	749.46	16.7	18.1	12.8	12.1	11.6	11.1	10.3	9.2	6.3	6.0
760810	2458.96	749.49	16.1	17.6	12.8	12.2	11.6	11.1	10.3	9.0	6.1	6.0
760811	2458.91	749.48	17.2	18.2	13.7	12.3	11.8	11.3	10.4	9.1	6.4	6.1
760812	2458.94	749.48	20.0	20.1	14.4	12.9	11.8	11.4	10.3	9.3	6.3	6.1
760813	2458.88	749.47	18.3	19.6	15.1	13.4	12.3	11.6	11.1	9.2	6.3	6.1
760814	2458.85	749.46	18.3	20.1	15.6	14.3	11.7	11.6	11.1	9.2	6.3	6.1
760816	2458.65	749.40	16.1	18.2	16.2	14.2	12.2	11.3	10.8	9.4	6.6	6.2
760817	2458.65	749.40	15.0	17.3	15.6	12.8	11.9	11.5	10.9	9.8	6.8	6.2
760818	2458.85	749.46	15.0	17.3	14.2	12.4	11.9	11.6	11.1	9.4	6.8	6.2
760819	2458.88	749.47	16.1	16.9	14.7	12.8	12.1	11.8	10.9	9.3	6.7	6.2
760820	2458.80	749.44	15.0	16.1	13.9	12.9	12.1	11.6	11.2	9.8	6.8	6.2
760823	2458.80	749.44	17.8	18.4	14.9	13.9	12.9	12.1	11.3	9.8	6.7	6.4
760824	2458.80	749.44	16.7	17.9	15.2	14.1	13.1	12.0	11.1	10.1	6.9	6.4
760825	2458.80	749.44	17.8	19.1	15.5	14.3	13.2	12.0	11.4	9.8	7.0	6.4
760827	2458.90	749.47	15.0	16.6	15.3	14.3	13.0	11.9	11.2	9.8	7.2	6.4
760830	2458.80	749.44	16.7	17.7	15.4	13.3	12.8	12.2	11.6	9.9	7.1	6.5
760901	2458.59	749.38	17.8	18.7	15.6	14.3	13.2	12.7	11.9	10.2	7.4	6.6
760902	2458.53	749.36	16.1	17.6	15.6	14.3	13.2	12.6	11.6	10.4	7.4	6.6
760903	2458.49	749.35	16.7	17.3	15.1	14.0	13.2	12.9	11.8	10.1	7.1	6.6
760907	2458.40	749.32	13.3	15.2	14.5	13.9	13.3	12.4	11.9	10.5	7.3	6.7
760908	2458.41	749.32	12.8	15.1	14.4	13.7	13.1	12.6	11.8	10.3	7.3	6.7
760909	2458.46	749.34	12.8	15.4	14.4	13.8	12.9	12.5	11.6	10.0	7.2	6.7
760910	2458.48	749.34	13.9	15.6	15.1	14.7	13.5	13.2	12.2	10.4	7.7	6.9
760913	2458.69	749.41	13.3	16.0	15.5	14.3	13.4	12.6	11.8	10.3	7.2	6.8
760914	2458.73	749.42	14.4	16.4	15.3	14.2	13.4	12.7	11.8	10.2	7.4	6.9
760915	2458.80	749.44	13.9	16.3	15.4	14.1	13.3	12.3	11.5	10.1	6.7	6.8
760916	2458.80	749.44	14.4	16.6	15.9	15.1	13.8	13.3	12.1	10.2	7.8	6.9
760917	2458.80	749.44	15.6	16.9	16.0	15.5	13.8	12.9	12.0	10.6	7.6	6.9
760920	2458.70	749.41	13.9	16.9	16.1	15.4	14.1	13.3	12.4	10.7	7.8	6.9
760921	2458.50	749.35	15.0	16.9	16.1	15.4	14.2	13.2	11.9	10.5	7.7	6.9
760922	2458.30	749.29	15.0	17.1	16.1	15.6	13.8	12.9	12.1	10.6	7.8	7.0
760923	2458.00	749.20	15.0	16.9	16.2	15.6	13.6	13.1	12.2	10.3	7.3	7.0
760924	2457.80	749.14	14.4	16.5	15.9	15.1	13.5	12.9	11.9	10.6	7.9	6.8
760927	2457.36	749.00	14.4	16.9	15.8	15.1	13.4	13.1	12.4	10.9	8.1	7.1
760928	2457.30	748.99	15.6	16.9	15.9	15.3	13.5	12.9	12.4	10.9	7.6	7.1
760929	2457.16	748.94	15.0	16.9	15.8	15.3	13.3	12.9	12.4	10.8	7.8	7.1
760930	2457.10	748.92	15.0	16.7	15.8	14.2	13.2	12.8	12.5	10.8	7.9	7.1
761001	2456.99	748.89	14.4	16.4	15.7	13.8	13.2	12.9	12.3	10.6	7.9	7.1
761004	2456.24	748.66	11.7	15.6	15.4	13.7	13.2	13.2	12.9	11.7	8.2	7.2
761005	2455.95	748.57	12.8	15.3	15.2	13.8	13.3	13.0	12.4	10.2	8.0	7.1
761006	2455.78	748.52	12.2	15.2	14.4	13.7	13.2	12.9	12.5	10.8	8.2	7.2
761007	2455.61	748.47	12.2	14.8	14.1	13.6	13.2	13.1	12.7	11.6	8.2	7.2
761008	2455.15	748.33	12.8	14.6	14.5	13.8	13.6	13.4	13.1	11.5	7.9	7.1
761012	2454.05	747.99	12.2	14.3	14.3	13.8	13.3	12.9	12.4	11.1	8.3	7.3
761013	2453.66	747.88	11.1	14.2	14.2	14.2	13.4	13.1	12.7	11.3	8.2	7.3
761014	2453.30	747.77	11.7	14.2	14.1	13.7	13.3	12.9	12.5	11.4	8.3	7.3
761018	2451.55	747.23	8.9	13.7	13.7	13.7	13.6	13.7	13.1	11.7	8.4	7.3
761019	2451.09	747.09	8.9	13.5	13.6	13.6	13.4	13.6	13.1	11.5	8.4	7.3
761020	2450.51	746.92	10.0	13.4	13.4	13.4	13.4	13.4	13.4	11.6	8.6	7.3
761021	2449.90	746.73	10.0	13.1	13.4	13.4	13.3	13.4	13.3	11.8	8.7	7.3
761022	2449.40	746.58	10.0	---	13.3	13.3	13.2	13.3	13.3	11.1	8.8	7.4
761025	2447.60	746.03	10.6	---	13.1	13.1	13.1	13.1	13.1	12.3	8.4	7.4
761026	2446.94	745.83	10.0	---	13.1	13.0	12.9	13.0	13.0	12.1	8.8	7.5
761027	2446.44	745.67	11.1	---	13.0	12.9	12.9	12.9	12.9	12.1	8.7	7.5
761029	2445.28	745.32	10.0	---	12.9	12.9	12.8	12.9	12.8	12.0	8.7	7.6
761101	2443.20	744.69	10.6	---	12.7	12.7	12.6	12.7	12.6	11.8	8.9	7.6
761102	2442.90	744.60	8.9	---	12.6	12.6	12.5	12.6	12.6	11.8	8.9	7.7
761104	2441.95	744.31	9.4	---	12.4	12.4	12.4	12.4	12.4	11.7	9.1	7.7
761105	2441.51	744.17	10.0	---	12.4	12.4	12.3	12.4	12.3	11.6	9.0	7.7
761108	2439.55	743.57	10.0	---	12.2	12.2	12.2	12.2	12.2	11.4	9.4	7.7
761109	2438.88	743.37	9.4	---	12.2	12.1	12.1	12.2	12.1	11.3	9.3	7.7
761110	2438.19	743.16	9.4	---	12.1	12.1	12.0	12.1	12.1	11.3	9.3	7.8
761111	2437.47	742.94	8.9	---	12.0	12.0	11.9	12.0	11.9	11.2	9.4	7.8
761112	2436.70	742.71	9.4	---	11.9	11.9	11.9	11.9	11.9	11.2	9.4	7.9
761115	2436.05	742.51	7.2	---	11.6	11.6	11.5	11.6	11.6	10.8	9.0	8.1
761116	2435.38	742.30	8.3	---	11.4	11.3	11.3	11.4	11.3	10.6	8.5	8.0
761117	2435.20	742.25	7.8	---	11.4	11.4	11.4	11.4	11.4	10.7	9.0	8.1
761118	2434.78	742.12	7.8	---	11.4	11.4	11.3	11.4	11.3	10.6	8.6	8.1
761119	2434.27	741.97	7.2	---	11.3	11.3	11.3	11.3	11.2	10.6	8.7	8.0
761122	2433.41	741.70	7.2	---	11.0	11.1	10.9	11.0	10.9	10.2	8.3	8.1
761123	2432.68	741.48	8.3	---	10.9	10.9	10.8	10.9	10.8	9.9	8.2	8.1
761124	2432.20	741.33	8.3	---	10.8	10.8	10.7	10.8	10.7	10.0	8.2	8.1
761126	2431.70	741.18	6.1	---	10.6	10.6	10.6	10.6	10.6	9.8	8.0	8.3
761129	2430.30	740.76	6.7	---	10.2	10.2	10.1	10.2	10.1	9.4	7.7	8.4
761130	2429.00	740.36	6.7	---	10.1	10.1	10.0	10.1	10.0	9.3	7.7	8.7
761203	2427.80	739.99	6.7	---	9.8	9.8	9.8	9.8	9.8	9.1	7.6	8.3
761206	2426.70	739.66	5.0	---	9.6	9.7	9.6	9.7	9.6	8.9	7.3	8.4
761207	2426.27	739.53	6.1	---	9.6	9.6	9.5	9.6	9.5	8.8	7.2	8.5
761208	2425.86	739.40	6.7	---	9.6	9.6	9.4	9.6	9.4	8.8	7.2	8.6
761209	2425.36	739.25	6.7	---	9.5	9.5	9.4	9.5	9.4	8.7	7.1	8.4
761210	2424.84	739.09	6.7	---	9.4	9.4	9.3	9.4	9.4	8.7	6.9	8.5
761213	2423.73	738.75	5.0	---	9.2	9.2	9.1	9.2	9.1	8.4	6.7	8.6
761214	2423.30	738.62	6.1	---	9.1	9.1	9.0	9.1	9.0	8.1	6.5	8.5

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)									
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94	
761215	2422.76	738.46	5.0	---	8.9	8.9	8.9	8.9	8.9	8.9	8.0	6.3	8.5
761220	2419.29	737.40	4.4	---	8.4	8.4	8.4	8.4	8.4	8.4	7.5	5.6	8.1
761221	2419.04	737.32	4.4	---	8.3	8.3	8.3	8.3	8.3	8.3	7.3	5.4	8.0
761222	2418.46	737.15	4.4	---	8.2	8.2	8.2	8.2	8.2	8.2	7.4	5.3	7.9
761223	2417.85	736.96	5.0	---	8.1	8.1	8.1	8.1	8.1	8.1	7.1	5.3	7.9
761227	2414.86	736.05	4.4	---	7.8	7.8	7.7	7.7	7.7	7.7	7.0	5.2	7.8
761228	2414.11	735.82	4.4	---	7.7	7.7	7.6	7.6	7.6	7.6	6.9	5.1	7.7
761230	2412.60	735.36	4.4	---	7.5	7.6	7.4	7.4	7.6	7.5	6.8	5.1	7.6
770103	2409.13	734.30	3.3	---	7.1	7.1	7.1	7.1	7.1	7.1	6.3	4.8	7.5
770104	2408.15	734.00	2.8	---	6.9	6.9	6.9	6.9	6.9	6.9	6.2	4.6	7.4
770105	2407.25	733.73	1.7	---	6.8	6.9	6.8	6.8	6.9	6.8	6.1	4.6	7.3
770106	2406.32	733.45	2.2	---	6.7	6.8	6.7	6.8	6.7	6.7	6.0	4.4	7.3
770107	2405.40	733.17	1.7	---	6.7	6.7	6.6	6.6	6.7	6.7	5.9	4.4	7.2
770110	2402.53	732.29	2.8	---	6.4	6.4	6.4	6.4	6.4	6.4	5.7	4.1	7.1
770111	2401.52	731.98	0.0	---	6.2	6.3	6.3	6.3	6.4	6.3	5.6	4.3	7.0
770113	2400.25	731.60	2.2	---	6.1	6.2	6.2	6.2	6.2	6.3	5.5	3.9	6.9
770117	2398.53	731.07	3.3	---	---	6.1	6.0	6.1	6.0	6.0	5.3	3.7	6.7
770118	2397.71	730.82	3.9	---	---	6.1	6.0	6.1	6.0	6.0	5.3	3.7	6.7
770119	2397.41	730.73	3.3	---	---	6.0	6.0	6.1	6.0	6.0	5.3	3.7	6.7
770120	2397.34	730.71	2.8	---	---	6.1	6.1	6.1	6.0	6.0	5.3	3.7	6.7
770121	2397.32	730.70	2.8	---	---	6.0	5.9	6.0	5.9	5.9	5.2	3.7	6.7
770125	2396.90	730.58	2.2	---	---	5.7	5.6	5.5	5.4	5.4	4.7	3.0	6.2
770126	2396.36	730.41	1.7	---	---	5.6	5.5	5.5	5.3	5.3	4.6	3.0	6.1
770127	2395.70	730.21	1.1	---	---	5.3	5.3	5.3	5.2	5.2	4.4	2.9	6.0
770128	2395.06	730.01	1.1	---	---	5.2	5.2	5.2	5.2	5.2	4.4	2.8	6.0
770131	2394.39	729.81	1.1	---	---	5.1	5.1	5.1	5.1	5.1	4.3	2.8	5.9
770201	2393.96	729.68	0.6	---	---	5.1	5.1	5.1	5.1	5.1	4.3	2.8	5.8
770202	2393.55	729.55	1.7	---	---	5.0	4.9	5.0	5.0	5.0	4.3	2.7	5.8
770204	2392.34	729.19	1.7	---	---	4.9	4.9	4.9	4.9	4.9	4.2	2.6	5.8
770207	2390.64	728.67	1.7	---	---	4.8	4.8	4.8	4.8	4.8	4.1	2.6	5.7
770209	2388.84	728.12	2.2	---	---	4.7	4.7	4.8	4.7	4.7	4.0	2.4	5.6
770210	2387.83	727.81	1.7	---	---	4.7	4.7	4.8	4.7	4.7	4.0	2.4	5.6
770211	2386.75	727.48	3.3	---	---	4.7	4.7	4.8	4.7	4.7	4.0	2.4	5.6
770214	2386.06	727.27	1.7	---	---	4.7	4.6	4.7	4.7	4.7	4.0	2.4	8.3
770215	2384.96	726.94	1.1	---	---	4.7	4.6	4.7	4.7	4.7	3.9	2.3	5.4
770217	2383.27	726.42	1.7	---	---	4.7	4.6	4.7	4.6	4.6	3.9	2.2	5.4
770222	2383.20	726.40	3.3	---	---	4.8	4.7	4.6	4.6	4.6	3.6	1.9	5.1
770223	2383.04	726.35	3.9	---	---	4.6	4.6	4.4	4.3	4.3	3.6	1.8	4.9
770225	2381.58	725.91	1.7	---	---	4.4	4.3	4.2	4.0	4.0	3.3	1.6	4.7
770228	2381.57	725.90	2.2	---	---	4.0	3.9	4.1	4.0	4.0	3.1	1.4	4.8
770301	2381.36	725.84	1.1	---	---	4.2	4.1	4.2	3.8	3.8	2.8	1.2	4.7
770302	2380.59	725.60	1.7	---	---	4.1	3.8	3.8	3.6	3.6	2.7	1.2	4.6
770303	2379.58	725.30	0.6	---	---	4.0	3.9	4.1	4.0	4.0	3.1	1.4	4.8
770307	2378.20	724.88	2.8	---	---	4.1	4.0	3.8	3.6	3.6	2.8	1.1	4.4
770308	2377.82	724.76	2.2	---	---	3.6	3.6	3.4	3.2	3.2	2.4	0.9	4.2
770309	2377.60	724.69	2.8	---	---	3.7	3.6	3.6	3.4	3.4	2.5	0.9	4.3
770310	2376.82	724.45	1.1	---	---	3.4	3.3	3.4	3.3	3.3	2.6	1.0	4.1
770314	2374.95	723.88	0.0	---	---	---	3.6	3.6	3.6	3.6	2.8	1.1	4.2
770315	2374.45	723.73	1.7	---	---	---	3.6	3.7	3.6	3.6	2.7	0.9	4.2
770316	2373.90	723.56	1.7	---	---	---	3.7	3.8	3.8	3.8	3.0	0.9	4.2
770317	2373.60	723.47	1.1	---	---	---	3.6	3.7	3.7	3.7	3.1	1.2	4.3
770321	2372.82	723.24	1.7	---	---	---	3.7	3.7	3.7	3.7	3.1	1.0	4.3
770322	2372.05	723.00	---	---	---	---	---	---	---	---	---	---	---
770323	2371.37	722.79	1.1	---	---	---	3.7	3.8	3.8	3.8	3.1	1.0	4.2
770324	2370.65	722.57	3.3	---	---	---	3.4	4.1	3.9	3.9	3.2	1.2	4.1
770325	2369.91	722.35	1.1	---	---	---	3.8	3.8	3.7	3.7	2.7	1.1	4.2
770328	2369.16	722.12	1.7	---	---	---	3.4	3.4	3.3	3.3	2.5	0.9	4.2
770329	2368.00	721.77	0.6	---	---	---	3.3	3.4	3.4	3.4	2.6	1.0	4.1
770330	2367.41	721.59	1.7	---	---	---	3.6	3.7	3.6	3.6	2.9	1.2	4.1
770331	2366.58	721.33	2.2	---	---	---	3.7	3.7	3.7	3.7	2.8	1.1	4.2
770401	2365.87	721.12	1.1	---	---	---	3.6	3.7	3.6	3.6	2.9	1.1	4.2
770404	2364.09	720.57	3.3	---	---	---	4.1	3.9	3.9	3.9	3.2	1.2	4.2
770405	2363.28	720.33	3.3	---	---	---	4.3	4.3	4.1	4.1	3.0	1.3	4.1
770411	2360.81	719.57	3.3	---	---	---	4.1	4.0	3.7	3.7	2.8	1.0	4.2
770414	2359.00	719.02	2.8	---	---	---	3.7	3.7	3.7	3.7	2.8	1.1	4.2
770418	2358.99	719.02	2.2	---	---	---	3.4	3.6	3.5	3.5	2.7	1.2	4.3
770419	2359.10	719.05	1.7	---	---	---	3.4	3.4	3.4	3.4	2.6	1.2	4.3
770421	2359.19	719.08	2.8	---	---	---	3.6	3.7	3.7	3.7	3.0	1.3	4.3
770422	2358.92	719.00	3.9	---	---	---	3.9	3.8	3.6	3.6	2.9	1.2	4.3
770425	2358.98	719.02	7.2	---	---	---	7.3	6.8	5.7	5.7	3.9	1.8	4.4
770426	2358.66	718.92	8.3	---	---	---	7.5	6.4	5.9	5.9	3.7	1.9	4.4
770428	2358.84	718.97	8.3	---	---	---	7.5	6.1	4.7	4.7	3.7	1.5	4.4
770429	2358.96	719.01	8.3	---	---	---	8.4	5.7	5.2	5.2	4.3	1.7	4.3
770502	2360.66	719.53	11.1	---	---	---	9.7	6.4	5.7	5.7	4.3	1.6	4.5
770503	2361.05	719.65	8.9	---	---	---	9.2	7.9	5.8	5.8	3.9	1.5	4.4
770506	2361.77	719.87	3.9	---	---	---	5.5	5.3	4.7	4.7	3.6	1.9	4.4
770509	2363.28	720.33	8.3	---	---	---	6.6	6.3	6.1	6.1	4.8	2.3	4.6
770510	2364.11	720.58	8.9	---	---	---	8.1	6.6	6.2	6.2	4.9	1.9	4.6
770511	2365.25	720.93	8.3	---	---	---	7.5	7.2	6.6	6.6	5.1	2.1	4.6
770512	2366.75	721.39	6.7	---	---	---	7.6	7.3	7.1	7.1	5.6	1.9	4.6
770513	2368.23	721.84	8.9	---	---	---	7.7	7.1	6.4	6.4	4.4	1.8	4.6
770516	2371.72	722.90	5.6	---	---	---	6.8	6.8	6.6	6.6	4.5	1.8	4.6
770517	2372.54	723.15	7.2	---	---	---	7.2	7.0	6.8	6.8	5.2	2.0	4.6
770519	2373.89	723.56	7.8	---	---	---	8.7	8.0	7.6	7.6	5.8	2.2	4.6
770520	2374.60	723.78	9.4	---	---	---	9.2	8.8	8.1	8.1	5.7	2.0	4.6
770523	2376.60	724.39	8.9	---	---	---	9.1	8.5	7.8	7.8	6.9	4.7	4.7
770525	2378.25	724.89	8.9	---	---	---	10.0	8.8	8.7	8.4	6.5	2.2	4.7
770526	2379.23	725.19	9.4	---	---	---	10.2	9.9	8.9	8.2	4.7	1.9	4.7
770527	2380.15	725.47	9.4	---	---	---	10.3	9.6	8.7	7.1	4.2	2.1	4.7
770531	2383.36	726.45	9.4	---	---	---	8.6	8.3	8.3	7.8	6.6	2.7	4.8
770601	2384.05	726.66	12.2	---	---	---	11.2	8.9	8.8	8.3	6.7	2.3	4.8
770603	2385.70	727.16	11.1	---	---	---	10.8	9.3	9.1	8.3	5.2	2.4	4.7

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

TEMPERATURE (DEG. C)

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
770606	2389.15	728.21	16.1	----	----	14.3	11.1	10.4	8.1	4.6	2.2	4.8
770607	2390.05	728.49	16.1	----	----	15.6	11.3	10.6	9.4	6.9	2.8	4.8
770608	2391.54	728.94	15.6	----	----	14.5	11.7	9.9	8.7	5.9	2.6	4.8
770609	2393.68	729.59	13.3	----	----	13.8	10.8	9.8	9.0	5.2	2.3	4.8
770613	2400.35	731.63	16.1	----	15.6	14.1	11.3	10.3	9.1	6.6	2.6	4.9
770614	2401.47	731.97	16.1	----	16.2	14.1	12.9	10.9	9.3	6.1	2.6	4.9
770615	2402.53	732.29	15.6	----	16.6	14.7	12.9	10.6	9.2	6.6	2.4	4.9
770616	2403.43	732.57	15.0	----	16.1	13.9	12.1	10.4	8.8	6.2	2.4	4.9
770620	2408.16	734.01	18.9	----	20.2	13.9	11.2	10.4	9.3	6.4	4.7	5.0
770621	2408.04	733.97	17.8	----	16.7	13.1	10.8	10.4	9.6	6.9	4.8	5.0
770622	2408.91	734.24	17.2	----	14.9	12.1	10.7	10.2	8.5	5.9	4.8	5.0
770623	2409.76	734.49	15.0	----	14.4	11.8	10.8	10.3	8.7	6.6	4.9	5.1
770624	2410.52	734.73	16.1	----	14.2	11.8	10.9	10.1	8.6	6.1	4.8	5.1
770627	2412.58	735.35	13.9	----	13.3	11.9	11.4	10.6	8.8	6.4	4.9	5.1
770628	2413.14	735.53	13.9	----	13.0	11.8	11.2	9.9	8.2	5.7	4.8	5.1
770629	2413.37	735.60	13.3	----	13.2	12.2	11.6	10.7	8.3	5.4	4.6	5.0
770630	2413.59	735.66	13.3	----	13.7	12.3	11.6	11.2	9.3	7.4	4.9	5.0
770701	2413.61	735.67	17.2	----	15.4	14.9	12.5	11.4	8.5	5.3	4.7	5.1
770705	2414.67	735.99	12.8	----	13.9	13.2	11.6	10.3	9.0	6.8	4.8	5.1
770706	2414.99	736.09	13.9	----	14.7	14.0	11.6	10.3	8.9	6.2	4.9	5.1
770707	2414.97	736.08	13.3	----	14.8	12.2	10.9	10.2	8.8	6.1	4.8	5.1
770712	2414.22	735.85	16.7	----	17.3	16.1	13.5	11.1	9.2	6.2	4.8	5.1
770714	2413.91	735.76	14.4	----	16.6	15.4	12.5	10.8	8.6	5.4	4.8	5.2
770715	2413.78	735.72	17.2	----	17.2	16.2	12.3	10.8	9.3	6.6	5.0	5.2
770718	2413.83	735.74	15.6	----	16.0	14.6	12.0	10.6	8.3	6.2	5.0	5.2
770719	2413.80	735.73	15.6	----	15.4	14.4	11.4	10.1	8.5	6.3	5.1	5.2
770720	2413.67	735.69	15.6	----	16.3	16.1	11.7	11.1	9.0	6.7	5.4	5.2
770721	2413.42	735.61	16.7	----	17.2	16.4	13.9	11.6	9.8	7.4	5.1	5.2
770722	2413.04	735.49	20.6	----	17.6	17.0	13.6	10.9	8.9	7.0	4.9	5.2
770726	2411.88	735.14	18.3	----	18.6	17.0	13.9	11.2	9.6	6.4	4.9	5.1
770727	2411.54	735.04	18.3	----	18.7	16.8	13.9	11.0	9.2	6.3	4.8	5.3
770728	2411.22	734.94	18.3	----	19.5	17.1	15.5	12.1	10.1	6.5	4.3	5.3
770729	2410.83	734.82	17.8	----	18.7	16.3	14.0	11.7	9.8	7.3	5.6	5.3
770801	2410.85	734.83	17.8	----	18.1	16.7	14.7	11.2	9.9	7.7	5.7	5.3
770802	2410.77	734.80	18.3	----	18.3	17.1	14.5	11.4	9.7	7.3	5.7	5.2
770803	2410.65	734.77	18.9	----	19.1	17.4	14.4	11.9	9.9	7.2	5.1	5.3
770804	2410.51	734.72	18.9	----	19.9	19.3	16.2	11.2	9.1	6.6	5.0	5.3
770805	2410.14	734.61	18.3	----	19.8	19.8	16.0	11.4	9.6	6.7	4.9	5.2
770808	2409.70	734.48	18.9	----	20.4	19.0	15.2	10.8	8.8	5.9	5.2	5.3
770809	2409.55	734.43	18.9	----	19.7	18.3	15.3	10.8	9.3	6.4	5.2	5.3
770810	2409.56	734.43	19.4	----	19.8	19.8	15.3	10.4	8.9	6.8	5.3	5.3
770811	2409.53	734.42	18.3	----	20.3	18.3	15.2	11.4	9.6	7.4	5.3	5.3
770812	2409.65	734.46	18.9	----	20.3	18.8	15.2	11.4	9.1	6.9	5.4	5.3
770815	2410.13	734.61	18.9	----	20.6	20.6	17.9	11.3	9.4	6.9	5.1	5.3
770816	2410.16	734.62	19.4	----	20.7	20.2	15.4	11.4	9.3	6.9	5.0	5.3
770817	2409.77	734.50	19.4	----	20.8	20.0	15.3	11.6	9.2	6.6	5.2	5.3
770818	2409.37	734.38	19.4	----	21.1	19.8	14.9	10.3	8.9	6.4	5.2	5.4
770822	2409.02	734.27	20.6	----	21.5	19.8	15.8	11.3	9.6	7.3	5.8	5.4
770823	2408.95	734.25	20.0	----	20.8	19.4	15.7	11.3	9.5	7.1	5.3	5.4
770824	2408.98	734.26	18.9	----	20.0	19.2	14.6	11.6	9.3	6.8	5.3	5.4
770829	2409.95	734.55	16.1	----	17.8	16.9	14.8	11.3	9.3	7.1	5.6	5.4
770830	2410.25	734.64	15.6	----	17.4	16.6	14.8	12.7	10.1	7.8	5.8	5.4
770831	2410.50	734.72	14.4	----	16.7	16.7	15.2	11.9	10.0	7.6	5.3	5.4
770901	2410.78	734.81	14.4	----	17.0	17.0	15.7	12.2	10.1	7.7	5.4	5.4
770902	2411.03	734.88	14.4	----	17.2	17.2	16.4	12.2	9.6	7.1	5.4	5.4
770906	2411.89	735.14	14.4	----	17.7	17.7	14.5	11.8	9.7	7.1	5.6	5.4
770907	2412.08	735.20	15.0	----	17.8	17.3	14.6	11.9	9.5	6.7	5.6	5.4
770908	2412.20	735.24	16.1	----	17.4	16.4	14.2	12.2	10.5	7.8	6.1	5.4
770909	2412.37	735.29	15.0	----	16.8	16.0	14.7	12.5	10.3	7.2	5.7	5.4
770912	2412.84	735.43	14.4	----	16.9	16.9	15.7	13.8	9.6	7.6	5.8	5.5
770913	2412.95	735.47	16.1	----	17.2	17.0	15.4	12.9	9.5	7.4	5.6	5.4
770914	2413.07	735.50	14.4	----	17.2	17.0	15.4	12.3	9.9	7.4	5.4	5.5
770915	2413.21	735.55	14.4	----	16.8	16.8	14.5	12.2	10.1	7.6	5.5	5.5
770916	2413.34	735.59	15.0	----	16.7	16.7	14.1	11.4	9.3	7.0	5.4	5.5
770919	2413.68	735.69	15.6	----	16.6	16.6	16.3	12.9	9.8	7.9	5.9	5.5
770920	2413.49	735.63	15.0	----	16.5	16.5	15.7	12.7	10.0	7.6	5.4	5.5
770921	2413.35	735.59	14.4	----	16.3	16.3	14.2	11.9	9.5	6.8	5.6	5.5
770922	2413.21	735.55	13.9	----	16.2	16.1	14.1	11.6	9.4	7.2	5.9	5.4
770923	2413.07	735.50	12.8	----	15.9	15.1	13.3	12.0	9.3	7.1	5.5	5.4
770926	2413.46	735.62	12.2	----	14.5	13.9	13.2	11.3	9.3	7.3	5.5	5.5
770927	2413.32	735.58	10.6	----	14.5	14.5	14.3	12.7	9.6	7.3	5.7	5.5
770928	2413.03	735.49	12.8	----	14.9	14.9	14.7	13.8	9.8	7.8	5.6	5.6
770929	2412.28	735.26	13.5	----	14.8	14.8	14.8	14.8	11.4	7.6	5.6	5.6
770930	2411.53	735.03	12.8	----	14.8	14.8	14.7	14.0	9.7	7.2	5.8	5.6
771003	2410.87	734.83	11.7	----	14.4	14.4	14.1	12.5	10.0	7.7	5.8	5.6
771004	2410.11	734.60	8.3	----	14.3	14.3	12.8	12.2	9.8	7.4	5.4	5.6
771005	2409.94	734.55	10.6	----	14.2	14.2	14.1	12.6	9.9	7.8	5.8	5.6
771006	2409.53	734.42	11.1	----	14.1	14.1	14.0	14.1	11.8	8.4	6.0	5.6
771007	2408.93	734.24	12.2	----	14.1	14.1	13.9	14.0	10.4	7.3	5.5	5.6
771011	2408.21	734.02	8.9	----	13.3	13.3	13.3	11.9	9.7	7.2	5.8	5.6
771012	2407.87	733.92	9.4	----	13.2	13.2	13.2	11.8	10.2	7.8	5.9	5.6
771013	2407.18	733.71	11.1	----	13.2	13.2	13.1	11.6	9.7	7.7	5.8	5.6
771014	2406.71	733.57	8.9	----	13.1	13.1	12.6	11.1	10.1	7.4	5.6	5.6
771017	2406.23	733.42	10.0	----	12.9	12.9	12.8	11.6	10.1	8.1	5.9	5.6
771018	2405.91	733.32	9.4	----	12.8	12.8	12.8	11.8	9.7	7.7	5.9	5.6
771019	2405.88	733.31	8.3	----	12.7	12.7	12.7	11.4	10.1	7.6	5.9	5.6
771020	2405.06	733.06	10.0	----	12.7	12.6	12.5	11.4	10.2	7.6	6.2	5.7
771021	2404.24	732.81	10.0	----	12.6	12.6	12.5	11.8	10.9	8.6	6.3	5.6
771025	2402.78	732.37	10.0	----	12.1	12.1	11.6	10.9	9.9	8.4	6.6	5.7
771026	2402.46	732.27	8.9	----	11.9	11.9	11.4	10.9	10.2	8.7	7.1	5.7
771027	2402.32	732.23	7.8	----	11.7	11.8	11.7	11.2	10.3	8.2	6.6	5.7
771028	2402.10	732.16	8.3	----	11.7	11.7	11.7	11.6	10.3	8.7	7.1	5.7
771031	2401.76	732.06	7.8	----	11.4	11.4	11.4	10.9	10.0	8.2	7.1	5.7
771101	2400.85	731.78	8.3	----	11.2	11.2	11.2	10.8	9.8	8.4	7.4	5.9

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
771103	2399.17	731.27	6.7	---	---	10.4	10.3	9.9	9.4	8.4	7.8	6.0
771104	2398.23	730.98	7.2	---	---	10.4	10.4	10.4	10.4	9.6	8.8	5.8
771107	2395.80	730.24	7.2	---	---	10.4	10.4	10.4	10.4	9.6	7.7	6.0
771108	2394.86	729.95	6.1	---	---	10.2	10.2	10.3	10.2	9.4	7.7	6.0
771109	2394.25	729.77	6.1	---	---	10.1	10.1	10.2	10.1	9.2	8.1	5.9
771111	2392.17	729.13	6.7	---	---	10.0	9.9	10.0	9.9	9.2	8.0	5.9
771114	2391.37	728.89	7.8	---	---	9.8	9.8	9.8	9.8	9.1	8.1	6.1
771115	2390.89	728.74	6.7	---	---	9.7	9.7	9.8	9.7	8.9	8.2	6.1
771117	2389.87	728.43	6.7	---	---	9.5	9.5	9.6	9.4	8.7	7.7	6.1
771118	2388.90	728.14	5.6	---	---	9.4	9.3	9.4	9.3	8.6	8.2	6.1
771121	2385.53	727.11	-3.3	---	---	8.8	8.8	8.8	8.7	8.1	8.7	6.1
771125	2380.90	725.70	3.9	---	---	8.2	7.2	8.3	8.2	7.5	8.1	6.1
771128	2379.17	725.17	5.0	---	---	8.1	8.2	8.2	8.1	7.3	7.9	6.2
771129	2378.16	724.86	5.0	---	---	8.1	8.1	8.1	8.0	7.3	7.9	6.2
771130	2377.48	724.66	3.9	---	---	7.9	7.9	8.1	7.9	7.2	7.8	6.2
771201	2376.60	724.39	5.0	---	---	7.9	7.8	7.9	7.8	7.1	7.4	6.3
771202	2375.78	724.14	5.0	---	---	7.8	7.7	7.8	7.7	7.0	7.4	6.4
771205	2375.33	724.00	2.8	---	---	7.2	7.3	7.4	7.2	6.6	7.1	6.3
771206	2374.95	723.88	3.3	---	---	7.1	7.1	7.2	7.1	6.4	7.1	6.6
771208	2374.68	723.80	2.8	---	---	6.8	7.1	7.1	7.0	6.3	7.0	6.6
771209	2373.64	723.49	1.7	---	---	---	6.7	6.8	6.7	6.1	6.7	6.8
771212	2372.40	723.11	3.3	---	---	---	6.6	6.6	6.5	5.8	6.6	6.7
771213	2372.18	723.04	3.9	---	---	---	6.6	6.6	6.5	5.8	6.6	6.6
771215	2371.96	722.97	3.3	---	---	---	6.5	6.6	6.5	5.8	6.5	6.7
771216	2372.01	722.99	3.3	---	---	---	6.4	6.5	6.4	5.8	6.5	6.9
771219	2371.75	722.91	1.1	---	---	---	6.2	6.3	6.2	5.6	6.3	6.8
771220	2371.71	722.90	1.7	---	---	---	6.1	6.1	6.1	5.3	6.0	6.4
771221	2371.47	722.82	1.7	---	---	---	6.0	6.1	6.0	5.2	5.9	6.3
771222	2371.40	722.80	1.7	---	---	---	5.9	5.9	5.9	5.2	5.9	6.4
771223	2371.40	722.80	2.2	---	---	---	5.8	5.8	5.8	5.1	5.8	6.3
771227	2370.78	722.61	1.1	---	---	---	5.3	5.4	5.3	4.6	5.3	5.9
771228	2369.90	722.35	1.1	---	---	---	5.3	5.3	5.2	4.6	5.3	5.8
771229	2369.06	722.09	1.1	---	---	---	5.2	5.2	5.2	4.4	5.2	5.8
780103	2366.30	721.25	0.0	---	---	---	4.6	4.7	4.6	3.9	4.6	5.4
780104	2365.46	720.99	0.6	---	---	---	4.4	4.4	4.4	3.7	4.4	5.3
780105	2364.58	720.72	0.6	---	---	---	4.3	4.5	4.4	3.6	4.4	5.2
780106	2363.20	720.30	0.0	---	---	---	4.3	4.4	4.4	3.6	4.3	5.2
780109	2363.06	720.26	-0.6	---	---	---	2.3	2.4	2.3	1.7	3.6	5.1
780110	2362.22	720.00	-3.3	---	---	---	2.3	2.3	2.3	1.9	3.1	4.6
780111	2361.45	719.77	-2.2	---	---	---	1.9	2.2	2.4	1.5	2.7	4.5
780113	2360.65	719.53	-1.7	---	---	---	1.8	1.9	1.9	1.2	2.8	4.5
780116	2359.09	719.05	-1.7	---	---	---	1.6	1.7	1.6	1.1	2.2	4.2
780117	2358.93	719.00	-1.7	---	---	---	1.7	1.8	1.8	1.1	2.2	4.2
780118	2358.11	718.75	-1.7	---	---	---	1.7	1.7	1.9	1.0	1.8	4.0
780120	2356.54	718.27	-2.2	---	---	---	1.6	1.7	1.7	1.1	2.2	3.7
780123	2354.87	717.76	-1.7	---	---	---	1.7	2.1	2.1	1.3	2.2	4.1
780124	2354.74	717.72	-0.6	---	---	---	2.0	2.1	2.2	1.4	2.3	4.0
780125	2353.94	717.48	-0.6	---	---	---	1.8	2.1	2.3	1.5	2.5	4.1
780126	2353.21	717.26	-2.2	---	---	---	2.0	2.2	2.1	1.6	2.3	3.8
780130	2350.64	716.48	-3.3	---	---	---	1.3	1.4	1.3	0.9	1.6	3.7
780131	2349.80	716.22	-5.6	---	---	---	1.1	1.2	1.4	0.7	1.4	3.3
780201	2348.91	715.95	-6.1	---	---	---	0.9	1.1	1.1	0.4	1.6	3.1
780202	2348.07	715.69	-6.1	---	---	---	---	1.1	1.1	0.5	1.4	3.1
780203	2347.10	715.40	-3.9	---	---	---	---	1.3	1.3	0.7	1.4	2.9
780206	2346.09	715.09	-2.2	---	---	---	---	1.3	1.3	0.9	1.7	3.4
780207	2345.37	714.87	-1.1	---	---	---	---	1.4	1.4	0.9	1.7	3.4
780208	2344.69	714.66	-1.1	---	---	---	---	1.5	1.4	0.7	1.7	3.4
780209	2344.07	714.47	-1.1	---	---	---	---	1.4	1.5	0.8	1.8	3.3
780210	2343.34	714.25	-1.1	---	---	---	---	1.5	1.4	0.8	1.6	3.3
780213	2342.45	713.98	-6.7	---	---	---	---	1.3	1.4	0.7	1.4	3.2
780214	2341.74	713.76	-5.6	---	---	---	---	1.2	1.2	0.7	1.6	3.1
780215	2341.15	713.58	-4.4	---	---	---	---	1.3	1.3	0.7	1.5	3.2
780216	2340.41	713.36	-2.8	---	---	---	---	1.4	1.3	0.7	1.5	3.3
780221	2338.10	712.65	-1.7	---	---	---	---	1.3	1.3	0.8	1.7	3.2
780222	2337.32	712.42	-1.7	---	---	---	---	1.4	1.3	0.8	1.7	3.2
780223	2336.61	712.20	-1.7	---	---	---	---	1.5	1.4	0.7	1.5	3.1
780224	2335.88	711.98	-2.2	---	---	---	---	1.5	1.4	0.8	1.7	3.1
780227	2334.87	711.67	-3.9	---	---	---	---	1.6	1.6	0.9	1.9	3.2
780228	2339.01	712.93	-3.9	---	---	---	---	1.6	1.6	1.0	1.8	3.1
780301	2333.08	711.12	-5.0	---	---	---	---	1.6	1.6	0.9	1.7	3.0
780302	2332.17	710.85	-6.7	---	---	---	---	1.6	1.6	0.9	1.6	2.9
780303	2331.82	710.74	-7.8	---	---	---	---	1.4	1.5	0.9	1.7	2.9
780306	2331.22	710.56	-3.3	---	---	---	---	1.6	1.4	0.8	1.6	3.0
780307	2331.06	710.51	-3.3	---	---	---	---	1.2	1.1	0.4	1.6	2.9
780308	2330.92	710.46	-1.1	---	---	---	---	1.3	1.2	0.6	1.6	2.9
780309	2330.76	710.42	-0.6	---	---	---	---	1.3	1.2	0.6	1.6	3.1
780310	2330.65	710.38	-2.8	---	---	---	---	1.4	1.3	0.7	1.6	3.1
780313	2330.28	710.27	-1.7	---	---	---	---	1.6	1.5	0.8	1.6	3.3
780314	2330.15	710.23	-2.8	---	---	---	---	1.7	1.6	0.9	1.7	3.2
780315	2330.02	710.19	-4.4	---	---	---	---	1.7	1.6	0.9	1.7	3.2
780316	2329.90	710.15	-2.8	---	---	---	---	1.7	1.7	1.0	1.8	3.2
780317	2329.74	710.10	-2.8	---	---	---	---	1.8	1.7	1.0	1.8	3.2
780320	2329.60	710.06	-2.2	---	---	---	---	2.0	1.9	1.2	1.9	3.3
780321	2329.60	710.06	0.6	---	---	---	---	2.1	1.9	1.3	2.1	3.3
780322	2329.66	710.08	0.0	---	---	---	---	1.8	2.0	1.3	2.1	3.4
780323	2329.74	710.10	0.0	---	---	---	---	2.1	2.1	1.4	2.1	3.4
780324	2329.83	710.13	1.7	---	---	---	---	2.2	2.2	1.5	2.2	3.5

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	SURFACE	TEMPERATURE (DEG. C)								
				(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
780327	2330.57	710.36	2.2	----	----	----	----	2.4	2.3	1.7	2.1	3.2
780328	2330.93	710.47	1.7	----	----	----	----	2.4	2.4	1.7	2.4	3.2
780329	2331.38	710.60	2.2	----	----	----	----	2.5	2.4	1.7	2.4	3.2
780330	2331.78	710.73	2.8	----	----	----	----	2.6	2.5	1.8	2.6	3.2
780331	2332.41	710.92	2.2	----	----	----	----	2.7	2.5	1.8	2.6	3.2
780403	2334.23	711.47	1.1	----	----	----	----	2.6	2.6	1.9	2.7	3.2
780404	2334.69	711.61	0.0	----	----	----	----	2.3	2.7	2.0	2.7	3.2
780405	2335.06	711.73	1.7	----	----	----	----	2.7	2.7	2.0	2.7	3.2
780406	2335.47	711.85	-0.6	----	----	----	----	2.7	2.8	1.9	2.0	3.1
780410	2336.59	712.19	0.0	----	----	----	----	3.0	2.9	2.2	2.9	3.3
780411	2336.78	712.25	2.2	----	----	----	----	3.0	2.9	2.2	2.9	3.3
780412	2337.25	712.39	0.6	----	----	----	----	2.5	2.5	1.8	2.5	3.3
780413	2337.59	712.50	0.6	----	----	----	----	2.6	2.6	1.9	2.7	3.4
780414	2337.95	712.61	2.2	----	----	----	----	2.8	2.8	2.1	2.8	3.5
780417	2338.88	712.89	1.7	----	----	----	----	3.1	3.1	2.4	3.1	3.7
780418	2339.16	712.98	1.1	----	----	----	----	3.1	3.1	2.4	3.2	3.8
780419	2339.50	713.08	0.0	----	----	----	----	3.2	3.1	2.4	3.2	3.8
780420	2339.83	713.18	3.3	----	----	----	----	3.4	3.3	2.7	3.3	3.9
780421	2340.09	713.26	2.8	----	----	----	----	3.4	3.3	2.7	3.4	3.9
780424	2341.32	713.63	2.2	----	----	----	----	3.4	3.4	2.7	3.5	4.1
780425	2341.68	713.74	2.8	----	----	----	----	3.6	3.5	2.9	3.6	4.1
780426	2342.05	713.86	3.9	----	----	----	----	4.0	3.9	3.2	3.9	4.2
780427	2342.52	714.00	4.4	----	----	----	----	4.6	4.3	3.6	3.8	4.2
780428	2343.12	714.18	4.4	----	----	----	----	4.2	4.0	3.3	3.8	4.2
780501	2347.09	715.39	4.4	----	----	----	----	4.6	4.3	3.1	3.7	4.2
780502	2348.58	715.85	5.6	----	----	----	6.3	5.1	4.3	3.3	3.7	4.2
780503	2350.17	716.33	3.9	----	----	----	5.7	4.2	3.8	3.1	3.6	4.2
780504	2359.89	719.29	2.2	----	----	----	4.2	4.2	3.8	3.1	3.6	4.2
780505	2353.39	717.31	2.8	----	----	----	4.1	4.2	4.1	3.3	3.6	4.3
780508	2356.67	718.31	7.2	----	----	----	6.1	6.0	5.9	4.6	3.6	4.3
780509	2357.57	718.59	6.1	----	----	----	6.5	6.1	5.9	4.6	3.7	4.3
780510	2358.67	718.92	6.7	----	----	----	6.7	6.1	5.4	4.4	3.7	4.3
780511	2359.97	719.32	6.7	----	----	----	7.1	6.3	5.8	4.5	3.9	4.3
780512	2361.40	719.75	5.6	----	----	----	5.6	5.5	4.7	3.3	3.7	4.3
780515	2365.50	721.00	7.2	----	----	----	7.6	5.4	4.6	3.2	3.8	4.3
780516	2367.23	721.53	7.2	----	----	----	7.1	6.3	5.3	3.8	3.8	4.3
780517	2369.06	722.09	7.8	----	----	----	7.6	7.1	6.7	5.3	4.1	4.4
780518	2370.80	722.62	8.3	----	----	----	7.7	7.2	6.0	3.7	3.8	4.3
780519	2372.42	723.11	10.0	----	----	----	9.9	7.3	6.6	5.1	3.9	4.4
780523	2381.40	725.85	7.2	----	----	8.7	7.8	6.8	4.6	3.2	3.8	4.4
780524	2384.21	726.71	7.2	----	----	8.6	7.8	7.3	6.4	4.1	3.8	4.4
780525	2386.08	727.40	7.2	----	----	8.6	8.2	7.7	6.9	4.2	3.9	4.4
780526	2388.35	727.97	7.8	----	----	7.9	7.7	7.4	5.6	3.3	3.8	4.4
780530	2393.57	729.56	7.8	----	----	9.2	9.1	8.5	7.8	5.6	3.8	4.4
780531	2394.82	729.94	9.4	----	----	9.4	8.9	8.4	6.9	3.7	3.8	4.4
780601	2395.85	730.26	10.0	----	----	10.7	9.5	8.8	7.5	3.8	3.8	4.4
780602	2396.86	730.56	11.1	----	----	11.5	10.1	9.1	6.3	3.7	3.9	4.5
780605	2401.25	731.90	16.1	----	17.5	10.8	9.9	8.7	7.2	4.3	3.8	4.4
780606	2404.05	732.75	13.9	----	13.7	10.8	9.1	8.1	7.0	4.6	3.9	4.5
780607	2407.14	733.70	13.3	----	11.6	10.7	9.9	8.2	7.1	4.9	3.9	4.4
780608	2410.11	734.60	12.2	----	10.8	10.4	8.4	7.7	6.8	4.3	3.9	4.5
780609	2412.80	735.42	11.7	----	10.8	10.3	9.6	7.9	6.6	4.6	3.9	4.5
780612	2419.90	737.59	10.0	----	10.1	9.8	8.8	8.1	7.7	4.7	3.8	4.4
780613	2421.36	738.03	12.8	----	13.4	9.6	9.2	9.1	8.2	6.3	4.0	4.5
780614	2422.54	738.39	11.1	----	12.3	11.3	9.7	9.1	7.9	3.7	3.9	4.5
780615	2423.75	738.76	11.7	----	11.4	9.9	8.6	7.7	6.8	4.5	4.1	4.5
780619	2428.36	740.16	11.7	----	11.2	10.7	8.6	7.8	6.6	4.4	4.0	4.5
780620	2429.52	740.52	11.7	----	11.7	11.0	9.7	9.7	8.1	6.4	4.3	4.5
780621	2430.74	740.89	12.8	----	12.6	10.6	8.7	7.3	6.8	5.4	4.1	4.6
780622	2432.10	741.30	13.9	----	11.7	10.2	9.3	8.2	7.7	5.8	4.2	4.6
780623	2433.71	741.79	13.9	----	11.4	10.4	9.9	8.7	7.9	6.1	4.1	4.6
780626	2438.52	743.26	13.3	----	11.3	10.7	9.2	8.6	7.9	5.8	4.1	4.6
780627	2439.67	743.61	13.3	----	11.7	10.4	9.4	8.3	7.8	6.1	4.1	4.6
780628	2440.81	743.96	16.1	----	11.1	10.2	9.7	8.8	7.8	6.2	4.1	4.6
780629	2441.87	744.28	17.2	----	11.2	10.4	9.4	8.9	7.7	4.5	4.0	4.6
780630	2443.04	744.64	16.1	----	12.1	11.0	9.6	8.4	7.5	4.3	4.1	4.6
780703	2445.97	745.53	17.2	----	----	----	----	9.1	7.8	5.4	4.2	4.6
780705	2447.19	745.90	16.7	----	----	----	----	9.8	8.4	6.3	4.3	4.6
780706	2447.71	746.06	16.1	----	----	----	----	9.1	7.8	4.6	4.2	4.6
780707	2448.22	746.22	17.8	----	----	----	10.4	9.0	8.1	5.9	4.2	4.6
780710	2450.77	746.99	17.8	----	----	----	9.9	8.8	7.9	4.6	3.7	4.6
780711	2451.44	747.20	15.0	----	----	----	10.1	9.3	7.7	5.4	3.8	4.6
780712	2452.16	747.42	13.3	----	----	----	10.4	9.3	7.3	4.6	3.7	4.6
780714	2452.97	747.67	15.6	----	----	----	9.9	8.5	7.1	5.2	3.8	4.6
780717	2454.29	748.07	18.3	----	----	----	10.3	9.2	7.8	6.3	3.8	4.6
780718	2454.64	748.17	13.9	----	----	----	10.3	8.7	6.6	4.7	3.7	4.6
780719	2455.00	748.28	13.9	----	----	----	10.2	9.2	8.3	6.4	3.8	4.6
780720	2455.27	748.37	16.7	----	----	----	10.9	9.7	8.1	5.8	3.8	4.7
780721	2455.73	748.51	20.0	----	----	----	10.4	9.8	8.4	6.1	3.9	4.7
780724	2457.34	749.00	18.9	----	----	----	10.6	9.3	7.4	4.6	3.9	4.7
780725	2457.73	749.12	20.0	----	----	----	10.4	9.8	8.4	6.1	3.9	4.7
780726	2458.08	749.22	19.4	----	----	----	9.7	8.7	7.4	4.4	3.9	4.7
780727	2458.27	749.28	20.6	----	----	----	9.6	8.7	7.7	6.0	4.0	4.7
780728	2458.35	749.31	19.4	----	----	----	9.6	8.6	7.6	5.2	3.9	4.7
780731	2458.69	749.41	20.6	----	----	----	11.0	9.1	8.1	6.3	4.1	4.7
780801	2458.71	749.41	21.1	21.2	13.7	12.4	10.6	8.8	7.7	5.1	4.1	4.7
780802	2458.75	749.43	20.6	21.2	15.7	13.0	11.2	9.4	7.9	6.1	3.9	4.7
780803	2458.74	749.42	20.6	21.6	14.2	12.4	10.7	9.1	8.2	6.7	4.0	4.7
780804	2458.72	749.42	20.6	21.8	14.3	12.2	10.1	9.1	8.0	5.0	4.1	4.7
780807	2458.58	749.38	19.4	19.6	12.5	10.7	9.2	8.4	7.2	4.9	4.2	4.8
780808	2458.54	749.36	19.4	19.7	12.6	11.2	9.7	8.7	7.7	5.7	4.3	4.8
780809	2458.50	749.35	20.6	21.8	12.7	12.0	10.8	9.5	8.6	6.7	4.7	4.8
780810	2458.25	749.27	21.1	22.4	13.7	12.4	10.7	9.3	8.1	6.4	4.2	4.8

TABLE 21. LIBBY DAM TEMPERATURE SENSOR DATA  
UPSTREAM FACE OF LIBBY DAM

DATE	ELEVATION (FEET)	ELEVATION (METERS)	TEMPERATURE (DEG. C)									
			SURFACE	(1) 746.76	(2) 731.52	(3) 723.90	(4) 715.67	(5) 708.66	(6) 701.04	(7) 692.81	(8) 685.80	(9) 662.94
780814	2457.90	749.17	15.0	16.3	12.9	11.7	10.1	9.6	8.4	5.6	4.1	4.8
780816	2458.07	749.22	14.4	15.7	14.2	12.1	10.2	8.7	6.7	4.6	4.2	4.8
780817	2458.27	749.28	14.4	15.7	13.1	11.4	10.1	9.3	8.1	6.9	4.6	4.8
780818	2458.26	749.28	14.4	15.9	13.9	12.5	10.5	8.9	7.2	5.1	4.3	4.8
780821	2458.76	749.43	15.6	16.4	14.5	12.1	10.2	9.1	7.7	5.8	4.2	4.8
780822	2458.79	749.44	15.6	16.8	14.7	12.2	10.7	9.8	8.3	6.6	4.3	4.8
780823	2458.68	749.41	15.6	16.5	13.9	12.6	11.3	10.1	8.3	6.2	4.3	4.8
780824	2458.70	749.41	15.6	16.4	14.0	12.3	10.4	9.0	7.6	5.7	4.2	4.8
780825	2458.53	749.36	15.0	16.8	14.1	12.4	10.4	9.3	7.8	5.4	4.2	4.8
780828	2458.76	749.43	15.0	16.7	13.5	11.9	9.9	9.1	8.0	6.4	4.3	4.8
780829	2458.74	749.42	16.1	17.3	14.2	12.5	10.4	9.4	8.3	6.5	4.3	4.8
780831	2458.43	749.33	17.2	18.2	16.2	13.2	10.8	9.6	8.0	6.3	4.2	4.8
780901	2458.25	749.27	16.7	17.6	15.1	12.5	10.2	9.1	8.0	5.6	4.2	4.9
780905	2458.78	749.44	17.2	17.6	14.3	12.1	10.2	9.6	8.4	5.6	4.5	4.9
780906	2458.59	749.38	17.2	17.9	14.8	12.9	10.8	10.0	8.3	6.4	4.3	4.9
780907	2458.35	749.31	17.2	18.0	15.8	12.9	10.8	9.7	8.2	6.1	4.4	4.9
780908	2458.05	749.21	16.7	17.3	14.6	12.3	10.4	9.1	7.6	5.1	4.3	4.9
780911	2457.60	749.08	15.0	16.9	13.9	11.4	10.0	9.5	8.5	6.2	4.3	4.9
780912	2457.66	749.09	15.6	16.6	13.8	12.1	10.4	9.7	8.3	6.7	4.4	4.9
780913	2457.62	749.08	14.4	16.2	14.1	12.6	10.7	9.8	8.4	6.7	4.4	4.9
780914	2457.60	749.08	15.0	16.2	14.1	12.3	10.6	9.6	8.2	6.2	4.3	4.9
780915	2457.68	749.10	15.6	16.2	14.0	12.8	10.7	9.6	8.1	5.7	4.3	4.9
780918	2457.99	749.20	11.1	14.3	13.2	11.4	10.3	9.3	8.3	6.2	4.3	4.9
780919	2457.95	749.18	11.7	14.4	13.8	13.2	11.2	10.4	9.1	6.8	4.4	4.9
780920	2457.83	749.15	11.7	14.2	14.2	13.1	11.1	9.8	8.6	6.7	4.3	4.9
780921	2457.75	749.12	12.8	14.4	14.4	13.2	10.7	9.7	8.2	6.5	4.3	4.9
780922	2457.45	749.03	12.2	14.3	13.4	11.7	10.4	9.4	8.0	6.0	4.4	4.9
780925	2456.98	748.89	13.9	14.4	13.1	11.6	10.5	9.9	8.8	7.1	4.7	5.0
780926	2456.41	748.71	12.8	14.7	13.7	12.3	11.0	9.8	8.3	5.8	4.3	5.0
780927	2456.19	748.65	15.0	15.1	14.4	12.9	10.9	9.6	8.5	6.7	4.9	4.9
780929	2455.68	748.49	12.2	14.4	13.8	12.4	11.1	10.1	8.5	5.6	4.3	5.0
781002	2455.05	748.30	11.1	14.0	12.7	11.2	10.2	9.1	7.9	6.2	4.7	5.0
781003	2454.74	748.20	11.7	13.9	13.3	12.1	10.6	9.9	8.7	6.3	4.6	5.0
781004	2454.53	748.14	10.6	13.7	13.4	11.7	10.3	9.3	8.1	6.6	4.6	5.0
781005	2454.27	748.06	11.1	13.7	13.6	12.3	10.6	9.8	8.6	6.5	4.7	5.0
781006	2454.05	747.99	11.1	13.7	13.6	12.5	11.3	10.2	8.4	6.4	4.6	5.0
781010	2452.80	747.61	12.8	13.7	13.7	12.1	10.4	9.3	8.3	6.3	4.4	5.1
781011	2452.60	747.55	12.2	13.4	12.4	11.1	9.9	9.1	7.7	6.0	4.7	5.0
781012	2452.46	747.51	10.6	13.2	12.1	11.1	10.1	9.2	8.2	6.6	4.9	5.4
781013	2452.27	747.45	9.4	12.7	12.2	11.6	10.4	9.4	8.3	6.1	4.4	5.1
781016	2451.68	747.27	10.0	12.7	12.8	12.8	11.3	10.2	9.0	7.0	4.7	5.1
781018	2451.32	747.16	10.6	12.8	12.8	12.8	12.1	10.2	8.7	6.7	4.8	5.0
781019	2451.21	747.13	9.4	12.8	12.8	12.8	11.7	10.2	8.7	6.8	4.7	5.1
781020	2451.04	747.08	10.6	12.7	12.8	12.7	11.2	9.9	8.5	6.4	4.6	5.1
781023	2450.54	746.92	9.4	12.3	12.4	11.7	10.4	9.2	8.1	6.4	4.9	5.1
781024	2450.37	746.87	10.6	12.3	12.3	11.1	9.8	8.8	8.1	6.3	4.8	5.1
781025	2450.09	746.79	8.3	11.9	12.1	11.1	9.9	9.5	8.8	7.1	5.1	5.1
781026	2449.66	746.66	7.8	---	11.3	10.8	10.2	9.3	8.3	6.2	4.3	5.0
781030	2447.46	745.99	7.8	---	11.4	10.9	10.1	9.1	8.0	6.4	4.9	5.1
781031	2446.93	745.82	6.7	---	11.2	11.2	10.1	9.2	8.1	6.4	4.8	5.1
781101	2446.27	745.62	6.7	---	11.1	10.6	9.7	8.9	8.2	6.8	4.8	5.1
781102	2445.57	745.41	6.7	---	10.9	10.3	9.7	8.9	8.1	6.6	4.7	5.1
781103	2444.98	745.23	8.3	---	10.8	10.2	9.7	9.0	8.3	7.1	5.2	5.1
781106	2443.17	744.68	7.2	---	10.2	10.2	10.2	9.4	8.7	7.1	4.6	5.1
781107	2442.60	744.50	8.3	---	10.2	10.2	10.1	9.2	8.3	6.4	4.7	5.1
781108	2441.84	744.27	8.9	---	10.1	9.6	8.9	8.1	7.2	5.8	4.8	5.1
781109	2441.41	744.14	7.8	---	9.9	9.9	9.4	9.0	8.2	7.0	5.4	5.1
781113	2438.56	743.27	5.0	---	9.4	9.4	9.4	9.4	8.6	6.7	5.4	5.1
781114	2437.74	743.02	3.3	---	9.3	9.3	9.2	9.3	8.7	6.9	5.0	5.1
781115	2437.02	742.80	2.2	---	9.1	9.1	9.1	9.1	8.5	8.1	5.0	5.1
781116	2436.32	742.59	5.6	---	9.0	9.0	9.0	9.1	8.7	6.9	5.2	5.1
781117	2435.84	742.44	5.6	---	8.9	8.9	8.9	8.9	8.6	6.8	5.1	5.1
781120	2433.88	741.85	3.3	---	8.4	8.4	8.4	8.5	8.4	7.7	5.2	5.1
781121	2433.08	741.60	3.9	---	8.4	8.3	8.3	8.4	8.3	7.6	4.8	5.1
781122	2432.21	741.34	3.3	---	8.2	8.2	8.2	8.2	8.2	7.4	4.9	5.2
781127	2428.66	740.26	6.1	---	7.8	7.8	7.7	7.8	7.7	6.0	5.4	5.2
781128	2427.90	740.02	5.0	---	7.7	7.7	7.7	7.7	7.6	6.3	5.4	5.2
781129	2427.07	739.77	4.4	---	7.6	7.6	7.6	7.6	7.3	6.4	5.2	5.2
781130	2426.22	739.51	3.9	---	7.5	7.5	7.4	7.5	7.2	6.4	5.1	5.2
781201	2425.49	739.29	5.0	---	7.4	7.4	7.3	7.4	7.3	6.3	5.5	5.3
781204	2422.80	738.47	5.0	---	7.2	7.2	7.2	7.2	7.2	6.4	5.3	5.2
781205	2421.97	738.22	2.2	---	7.1	7.1	7.1	7.1	7.1	6.2	4.9	5.2
781207	2420.15	737.66	0.6	---	6.9	6.9	6.8	6.9	6.8	6.0	5.1	5.3
781208	2419.15	737.36	0.0	---	6.6	6.7	6.6	6.7	6.6	5.6	4.9	5.2
781211	2417.27	736.78	2.2	---	6.3	6.4	6.3	6.4	6.3	5.6	5.6	5.3
781212	2416.52	736.56	3.9	---	6.3	6.3	6.3	6.3	6.3	5.6	5.1	5.3
781214	2414.58	735.96	2.2	---	6.2	6.2	6.2	6.2	6.2	5.4	5.2	5.3
781215	2413.72	735.70	2.8	---	6.1	6.1	6.1	6.1	6.1	5.4	5.1	5.3
781218	2411.51	735.03	1.7	---	5.8	5.9	5.8	5.9	5.8	5.1	5.1	5.3
781219	2410.58	734.74	2.2	---	5.8	5.9	5.8	5.9	5.8	5.1	5.1	5.3
781220	2409.37	734.38	2.2	---	5.8	5.8	5.8	5.8	5.8	5.1	5.2	5.3
781221	2408.38	734.07	1.7	---	5.7	5.8	5.8	5.8	5.7	5.1	5.2	5.2
781226	2403.77	732.67	-3.9	---	5.3	5.4	5.4	5.4	5.4	4.7	5.0	5.4
781227	2402.99	732.43	-2.2	---	5.3	5.4	5.4	5.4	5.3	4.7	4.9	5.4
781228	2402.05	732.14	-3.3	---	5.1	5.2	5.2	5.2	5.2	4.4	4.7	5.4
781229	2400.98	731.82	-8.3	---	4.8	5.0	5.1	5.1	5.1	4.3	4.6	5.4

TABLE 22. WATER QUALITY DATA

## LAKE KOOCANUSA

## FOREBAY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
72/06/20		0.1	0.1	0.6				3.2
72/06/27		0.1	0.1	0.4				3.2
72/07/05		0.1	0.1	0.4				4.0
72/07/12		0.1	0.1	0.6				5.2
72/07/24		0.1	0.2	1.3				7.8
72/08/01		0.1	0.2	1.6				10.2
72/08/08		0.1	0.5	2.2				11.8
72/08/15		0.1	0.1	1.2				12.6
72/08/22		0.1	0.1	0.1				6.9
72/08/28			0.1	1.3				9.1
72/09/05			0.1	1.3				10.7
72/09/11		0.1	0.1	1.6				12.5
72/09/18		0.1	0.2	2.0				12.1
72/09/25			0.1	1.6	3.4			10.7
72/10/02		0.1	0.5	2.0				10.7
72/10/17			0.1	1.2	3.0			9.8
72/10/24		0.1	0.1	0.6				5.2
72/10/31		0.1	0.1	0.5				4.3
72/11/06		0.1	0.1	0.6				3.4
72/11/14			0.1	0.4	0.1			4.3
72/11/21		0.1	0.2	0.8				4.0
72/11/27		0.1	0.1	0.4				2.9
73/04/17		0.4	0.8	1.3				4.3
73/04/24			0.1	0.4	0.9	1.6		2.7
73/04/30		0.1	0.1	0.5				3.2
73/05/07		0.1	0.1	0.3				3.4
73/05/14		0.1	0.1	0.6				4.0
73/05/21			0.1	0.6	1.2	2.1		3.6
73/06/18			0.1	0.6	1.1	3.0		5.5
73/06/27	2.5		0.1	0.6			6.5	4.4
73/07/02	3.4	0.2	0.9	1.6			8.0	5.5
73/07/09		0.4	1.2	2.3			10.0	6.9
73/07/16	7.0	0.2	0.6	2.5		5.4		7.9
73/07/23	8.1	0.2	1.0	2.7				9.2
73/07/30		0.2	0.9	2.6				10.7

TABLE 22. WATER QUALITY DATA

## LAKE KOOCANUSA

## FOREBAY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
73/08/06		0.2	0.8	2.4				11.0
73/08/13		0.1	0.6	2.1		6.1		11.2
73/08/20		0.1	0.8	2.2				10.8
73/08/28		0.1	0.9	2.8				11.3
73/09/04		0.2	1.2	3.0				11.0
73/09/13	7.1	0.2	0.9	2.7		5.6		10.8
73/09/17		0.2	1.0	2.8				10.1
73/09/24		0.2	0.9	2.3				9.6
73/10/01		0.2	0.9	2.4		5.9		9.6
73/10/10		0.1	0.3	1.3				8.4
73/10/16		0.2	1.0	2.2				9.4
73/10/24		0.1	0.1	1.3				10.2
73/10/29		0.1	0.5	2.3				9.2
73/11/13		0.1	0.2	1.1				8.7
73/11/28		0.2	0.9	1.9		5.3		7.9
73/12/05		0.1	0.7	2.3				11.5
73/12/19		0.1	0.2	1.8				11.6
74/04/10		0.1	0.1	0.7				6.1
74/04/23	3.0		0.1	0.3	1.0	2.0		4.7
74/05/02	1.7	0.1	0.1	0.4				3.3
74/05/08	1.7	0.1	0.1	0.5				3.0
74/05/16	1.1	0.1	0.1	0.1				1.5
74/05/21	1.5		0.1	0.3	0.7	1.2		2.3
74/05/29	1.8	0.1	0.1	0.5				3.2
74/06/14	2.1	0.2	0.5	0.9	1.4	2.2		3.4
74/06/28	2.6	0.1	0.3	0.9	1.5	2.4		4.5
74/07/12	1.0	0.1	0.2	0.5		1.2		1.8
74/07/26	2.0	0.1	0.3	0.8	1.2	1.8		2.9
74/08/09	4.7	0.1	0.6	1.6	2.8	4.6		7.1
74/08/23	6.2	0.2	0.8	1.3	2.7	3.8		9.5
74/09/06	7.0	0.2	0.6	1.7	3.7			10.5
74/09/20	7.6	0.3	0.8	2.0	3.6	6.0		10.5
74/10/04	5.8	0.1	0.6	1.7	3.5	5.5		7.6

TABLE 22. WATER QUALITY DATA

## LAKE KOOCANUSA

## FOREBAY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
74/10/18	5.7	0.2	0.8	1.6	2.9	4.8	9.0	12.5
74/11/01	4.2	0.1	0.6	1.6	2.6	3.6	5.0	5.9
74/11/20	2.9	0.1	0.5	1.0	1.7	2.5	3.7	4.2
75/04/18	2.0	0.1	0.5	1.0	1.5	2.3	4.3	6.1
75/05/06	2.3	0.1	0.3	0.9	1.5	2.3	4.0	4.9
75/05/20		0.1	0.3	0.6	1.0	1.6	2.8	4.0
75/06/04	2.0	0.1	0.2	0.7	1.2	2.1	4.1	5.6
75/06/25	2.4	0.1	0.2	0.8	1.4	2.2	3.5	5.5
75/07/18	5.9	0.1	0.3	1.1	2.0	3.4	5.5	8.5
75/07/29	7.8	0.1	0.6	1.5	2.4	4.1	7.0	9.8
75/08/12	5.0	0.1	0.4	1.6	3.0	4.8	7.6	11.1
75/08/29	7.9	0.1	0.7	2.5	4.8	7.6	11.0	13.9
75/09/10	10.2	0.8	1.6	3.5	5.2	7.5	10.5	14.2
75/09/24	8.2	0.2	1.2	2.8	4.7	7.5	11.3	15.6
75/10/09		0.1	0.6	2.0	4.9	7.9	11.3	13.9
75/10/31	7.0	0.1	0.7	2.0	3.8	6.2	8.9	11.5
76/04/20	2.4	0.1	0.2	0.8	1.4	2.5	4.5	6.6
76/05/06	2.0	0.1	0.2	0.8	1.2	2.0	3.4	5.0
76/05/25	2.3	0.1	0.1	0.5	1.1	2.0	3.6	5.0
76/06/04		0.1		0.6		1.4	2.3	3.4
76/06/22		0.1	0.1	0.4	1.2	2.4	5.0	7.2
76/07/09		0.1	0.2	1.3	2.4	4.0	6.3	8.8
76/07/30	9.9	0.1	0.5	1.6	3.4	6.1	10.1	12.5
76/08/11	6.9	0.1	0.8	2.1	3.7	5.5	9.4	13.4
76/08/31	6.7	0.2	0.6	2.0	3.4	5.6	9.9	13.6
76/09/16	10.2	0.1	0.1	1.5	3.0	5.6	9.0	14.4
76/09/29	10.2	0.1	0.3	2.0	4.3	6.9	10.1	14.8
76/10/14	10.1	0.1	0.2	1.9	4.5	7.2	10.5	13.3
76/10/26	9.6	0.1	0.2	1.1	2.8	6.3	10.3	13.7
77/05/04		0.1	0.3	0.8	2.0	3.8	6.9	10.7
77/05/24	5.5	0.2	0.8	2.1	4.0	6.2	9.4	12.9
77/06/13	4.3	0.1	0.1	1.2	3.0	4.7	6.9	9.7
77/06/29	4.0							

TABLE 22. WATER QUALITY DATA

## LAKE KOOCANUSA

## FOREBAY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
77/07/14	5.2							
77/07/27	5.8							
77/08/16	4.3	0.3	1.3	2.7	3.9	6.1	9.1	12.5
77/08/31	7.8	0.1	0.7	2.2	5.2	8.5	12.7	16.8
77/09/30	9.3	0.2	0.9	3.4	6.3	9.5	13.5	18.1
77/10/12	7.9	0.2	1.2	3.0	4.7	7.4	11.4	15.8
77/10/26	8.5							
78/05/09		0.1	0.3	1.0	2.1	5.5	8.5	12.8
78/05/26		0.2	0.4	1.2	2.1	3.7	6.7	13.4
78/06/14		0.2	0.6	1.8	3.0	4.3	7.8	12.3
78/06/28		0.2	0.9	2.1	3.8	5.3	7.5	11.3
78/07/12		0.2	0.9	1.7	3.2	5.3	8.5	13.3
78/07/26	4.9	0.2	0.8	2.0	2.9	5.5	9.8	15.2
78/08/09	4.3	0.2	0.6	3.6	5.8	9.0	14.0	17.8
78/08/30	6.7	0.2	1.2	3.4	5.2	8.2	14.6	19.2
78/09/13	6.4	0.2	0.8	3.1	5.5	9.0	13.4	18.1
78/09/27	7.3	0.2	1.1	3.0	5.2	7.6	9.1	17.7
78/10/12	7.9							
78/10/25	7.6							



TABLE 23. WATER QUALITY DATA

## LAKE KOOCANUSA

## TEN MILE

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance					
		90%	60%	30%	15%	5%	1% 0.1%
72/06/20		0.1	0.1	0.4			3.0
72/06/27		0.1	0.1	0.2			2.3
72/07/05		0.1	0.2	0.6			4.5
72/07/12		0.1	0.1	0.8			4.2
72/07/18		0.1	0.1	0.5			6.7
72/07/25		0.1	0.2	1.0			7.5
72/08/01		0.1	0.2	2.0			9.5
72/08/08		0.1	0.5	2.2			10.7
72/08/15		0.1	0.4	2.2			12.6
72/08/22		0.1	0.1	0.9			9.4
72/08/29			0.1	0.9	2.9		7.6
72/09/05				1.4			9.4
72/09/11		0.1	0.3	2.0			11.2
72/09/18		0.1	0.1	1.7			10.3
72/09/26			0.4	2.1	4.5		10.0
72/10/02		0.1	0.4	1.4			9.9
72/10/10							
72/10/16			0.1	1.3	3.3		10.5
72/10/24		0.1	0.1	0.5			7.3
72/10/31		0.1	0.2	1.0			6.6
72/11/06			0.1	0.1			5.2
72/11/13					1.0	2.9	5.5
72/11/21		0.1	0.1	0.2			1.3
72/11/27		0.1	0.1	0.3			1.1
73/04/16		0.5	0.7	1.1			2.9
73/04/25			0.1	0.2	0.5	0.8	1.4
73/04/30		0.1	0.1	0.2			1.7
73/05/07		0.1	0.1	0.3			2.0
73/05/14		0.1	0.1	0.2			1.1
73/05/23				0.1	0.3	0.6	1.1
73/06/19			0.1	0.7	1.3	3.6	6.6
73/06/27	3.2	0.1	0.1	0.4			4.7 7.3
73/07/02	3.4	0.1	0.8	1.5			5.3 7.8
73/07/09	5.1	0.5	1.0	2.5			7.6 10.0

TABLE 23. WATER QUALITY DATA

## LAKE KOOCANUSA

## TEN MILE

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance					
		90%	60%	30%	15%	5%	1% 0.1%
74/09/19	8.5	0.4	1.0	2.9	5.0	7.3	11.6 14.6
74/10/03	4.8	0.2	0.4	2.0	2.7	4.7	8.6 11.9
74/10/15	5.5	0.3	0.8	2.0	4.1	6.6	10.3 13.0
74/10/29	5.5	0.3	1.0	2.2	3.7	5.6	7.7 9.5
74/11/10	2.5	0.1	0.6	1.3	2.1	3.3	4.9 6.0
75/04/16	1.7	0.1	0.2	0.6	1.0	1.6	2.9 3.7
75/05/05	1.1	0.1	0.3	0.6	1.1	1.6	2.7 3.7
75/05/21	0.3	0.1	0.1	0.2	0.2	0.4	0.6 0.9
75/06/03	0.8	0.1	0.1	0.4	0.6	0.9	1.7 2.3
75/06/24	2.9	0.1	0.2	0.8	1.3	2.2	3.6 5.4
75/07/14	5.9	0.1	0.6	1.5	2.5	3.8	5.9 8.2
75/07/28		0.2	0.3	1.6	2.8	4.5	7.3 10.0
75/08/11		0.1	0.4	2.1	3.4	5.5	9.1 12.4
75/08/26	6.7	0.1	0.3	1.2	3.2	6.6	10.9 14.3
75/09/09	8.4	0.7	1.3	3.2	4.9	7.4	11.0 15.2
75/09/23	8.4	0.2	1.0	2.9	5.1	8.1	12.5 17.3
75/10/06		0.2	1.0	3.1	5.5	8.5	12.0 15.2
75/10/28	7.6	0.3	1.2	3.3	5.8	8.8	12.5 16.0
76/04/12	2.0	0.3	0.6	1.1	1.7	2.3	3.7 5.5
76/05/04	0.8	0.1	0.2	0.5	0.7	1.0	1.6 2.2
76/05/24	2.9	0.1	0.1	0.6	1.0	2.3	4.1 5.9
76/06/03		0.1	0.1	0.4	0.8	1.3	2.3 3.4
76/06/21		0.1	0.2	0.8	1.4	2.4	4.3 5.3
76/07/06		0.2	0.5	1.5	2.7	4.6	6.5 9.2
76/07/29	5.9	0.1	0.4	1.2	2.6	5.1	8.0 10.2
76/08/09	8.2	0.1	0.4	1.5	3.5	6.7	10.2 13.6
76/08/30	7.8	0.2	0.9	2.0	3.2	5.4	9.4 13.0
76/09/14	6.9	0.1	0.2	1.3	1.6	4.9	8.5 12.3
76/09/27	11.6	0.2	0.7	2.1	4.4	7.3	9.4 14.3
76/10/12	10.7	0.1	0.2	1.3	3.4	6.7	11.3 15.4
76/10/28	8.4	0.1	0.3	1.8	3.9	6.7	10.0 13.7

TABLE 23. WATER QUALITY DATA

## LAKE KOOCANUSA

## TEN MILE

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance					
		90%	60%	30%	15%	5%	1% 0.1%
73/07/17	4.7	0.2	0.6	2.3		5.4	8.0
73/07/23	5.0	0.2	0.8	2.9			9.4
73/07/30	4.4	0.1	0.9	2.3			8.7
73/08/06	3.4	0.1	0.8	2.3			10.4
73/08/14	7.9	0.1	0.6	2.3		5.7	10.3
73/08/20		0.1	1.1	2.8			9.6
73/08/28		0.1	0.9	2.9			11.5
73/09/04		0.3	1.3	3.1			11.1
73/09/14		0.1	0.7	2.0		6.5	9.9
73/09/17		0.2	1.1	3.1			10.5
73/09/24		0.1	0.8	2.8			9.5
73/10/02		0.2	0.7	1.9		5.8	9.3
73/10/10		0.2	0.9	2.1			8.6
73/10/16		0.2	0.8	2.0			8.2
73/10/24		0.1	0.5	1.7			9.1
73/10/29		0.1	0.3	1.5			9.1
73/11/13		0.1	0.5	1.8			7.6
73/11/29		0.2	0.7	2.1		6.9	11.2
73/12/05		0.1	0.4	1.8			12.0
73/12/19		0.1	0.2	1.2			11.1
74/04/10		0.1	0.1	0.4			4.2
74/04/25	1.6		0.1	0.4	0.8	1.3	2.2 3.4
74/05/02	1.0	0.1	0.1	0.2			1.7 2.6
74/05/08	1.2		0.1	0.3			2.0 3.1
74/05/16	0.7	0.1	0.1	0.2			1.6 2.4
74/05/23	1.6		0.1	0.1	0.5	0.9	1.6 2.5
74/05/29	1.8	0.1	0.1	0.3			3.1 4.9
74/06/13	2.2	0.1	0.4	0.6	1.5		3.6 5.5
74/06/27	4.1	0.1	0.2	1.0	1.8	3.0	5.2 7.2
74/07/11	1.1	0.1	0.2	0.6		1.4	2.2 3.1
74/07/25	3.8	0.2	0.6	1.0	1.8	2.8	4.3 5.8
74/08/08	4.3	0.1	0.1	0.5		3.2	5.9 7.7
74/08/22	6.7	0.2	0.9	1.9	3.3	5.4	9.3 12.7
74/09/03	9.4	0.1	0.2	1.6	3.3		10.5 14.5

TABLE 23. WATER QUALITY DATA

## LAKE KOOCANUSA

## TEN MILE

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance					
		90%	60%	30%	15%	5%	1% 0.1%
77/05/10		0.1	0.2	0.7	2.1	4.9	7.3 9.6
77/05/23		0.2	0.5	1.9	4.2	6.7	9.5 12.6
77/06/13	4.7	0.1	0.1	0.9	1.7	3.5	6.0 9.0
77/06/27	2.6						
77/07/11							
77/07/25	6.1						
77/08/25	4.6	0.2	1.1	2.5	3.9	5.9	8.7 12.6
77/08/29	6.1	0.2	0.5	2.0	4.8	7.9	11.3 14.0
77/09/12	8.2	0.6	1.8	3.4	5.5	8.1	12.2 17.2
77/09/28	8.2	0.2	0.9	4.1	6.7	9.1	11.9 14.0
77/10/11	10.4	0.2	1.2	3.6	5.4	7.6	11.5 16.6
77/10/25	8.1						
78/05/08		0.1	0.2	0.3	1.3	2.7	4.8 8.4
78/05/25		0.1	0.3	0.7	1.5	3.0	5.2 9.1
78/06/13		0.1	0.3	0.6	1.5	3.4	5.5 8.7
78/06/27		0.2	0.6	1.5	2.4	4.3	6.7 10.8
78/07/11		0.2	0.9	2.7	4.0	6.1	9.1 13.6
78/07/24	3.7	0.2	0.7	2.1	3.7	5.8	9.4 14.0
78/08/08	6.6	0.2	0.9	2.7	5.5	9.4	12.2 16.8
78/08/29	6.7	0.2	0.9	3.4	6.2	11.1	13.7 18.3
78/09/12	7.9	0.2	0.5	3.2	5.0	7.6	13.1 18.3
78/09/26	7.6	0.2	1.0	3.5	5.4	8.8	13.1 17.6
78/10/10	8.8						
78/10/23	7.3						

TABLE 24. WATER QUALITY DATA

## LAKE KOOCANUSA

## PINKHAM

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	90%		Relative Irradiance			1%	0.1%
		90%	60%	30%	15%	5%		
72/06/21		0.1	0.1	0.2			1.4	
72/06/28				0.6			3.2	
72/07/06		0.1	0.1	1.6			5.9	
72/07/13		0.1	0.1	0.3			6.1	
72/07/19		0.1	0.1	0.6			5.9	
72/07/26		0.1	0.2	1.6			7.8	
72/08/02		0.1	0.1	1.0			8.5	
72/08/09		0.1	0.4	2.0			10.5	
72/08/16		0.1	0.4	1.5			11.4	
72/08/23		0.1	0.1	0.4			8.3	
72/08/30			0.1	1.2	2.1	4.6	10.7	
72/09/12	0.1		0.4	1.7			8.3	
72/09/20			0.6	2.2			9.4	
72/09/27			0.4	1.9	3.4		9.4	
72/10/18			0.1	1.3	2.9		5.9	
72/11/01	0.1		0.2	0.6			3.4	
72/11/15			0.1	0.2	0.2		0.6	
73/05/22				0.1	0.2		0.4	
73/06/20			0.1	0.5	1.0	2.7	4.9	
73/06/28			0.1	0.4		3.5	5.2	
73/07/03	2.8	0.3	0.7	1.4		4.3	6.3	7.7
73/07/10	3.4	0.4	0.8	1.9		6.2	8.7	11.0
73/07/19		0.2	0.6	2.3	3.6		7.8	
73/07/24		0.2	1.1	2.5			7.9	
73/07/31	6.2	0.1	0.9	2.1			8.0	
73/08/07		0.1	0.9	2.2			9.1	
73/08/16		0.1	0.6	2.1	5.1		9.6	
73/08/21		0.1	1.0	2.8			10.2	
73/08/29		0.1	0.7	2.1			9.1	
73/09/05		0.2	0.8	2.5			8.5	
73/09/10	6.1	0.2	0.8	2.3	5.5		9.8	
73/09/18		0.1	0.3	1.1			7.0	
73/09/25		0.1	2.0	0.9			7.0	
73/10/04		0.2	0.6	2.0	5.0		8.3	

24. WATER QUALITY DATA

## LAKE KOOCANUSA

## PINKHAM

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	90%		Relative Irradiance			1%	0.1%
		90%	60%	30%	15%	5%		
76/05/05	0.8	0.1	0.2	0.5	0.8	1.2	1.8	2.7
76/05/26	0.6	0.1	0.1	0.3	0.6	0.9	1.5	2.1
76/06/24		0.1	0.1	0.6	1.1	1.8	3.7	5.5
76/07/07		0.1	0.2	0.7	1.0	1.8	3.8	6.2

TABLE 24. WATER QUALITY DATA

## LAKE KOOCANUSA

## PINKHAM

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	90%		Relative Irradiance			1%	0.1%
		90%	60%	30%	15%	5%		
73/10/09		0.2	0.6	2.1		7.9		
73/10/15		0.2	1.2	2.5		9.7		
73/10/23		0.1	0.1	0.9		8.9		
73/11/12		0.1	0.7	1.6		6.5		
73/11/30		0.2	0.6	1.8		5.8	9.2	
73/12/04		0.1	0.8	1.8			8.4	
74/04/24	0.7		0.1	0.2	0.5	0.9	1.4	2.1
74/05/03	0.5			0.1			0.7	1.2
74/05/17	0.3	0.1	0.1	0.2			0.7	1.1
74/05/22	0.7		0.1	0.2	0.5	0.9	1.5	2.3
74/05/30	0.6	0.1	0.1	0.1			1.0	1.5
74/06/11	0.7	0.1	0.3	0.4		1.0	1.5	2.2
74/07/10	0.9	0.1	0.1	0.4	0.6	1.1	1.7	2.5
74/07/24	3.0	0.1	0.3	0.9	1.5	2.3	3.6	5.2
74/08/07	3.4	0.1	0.1	0.3		3.0	5.4	7.9
74/08/21	4.6	0.3	0.8	1.4	2.5	4.3	7.7	10.7
74/09/05	6.7	0.2	0.8	2.1	3.7		10.5	13.9
74/09/18	7.5	0.4	1.2	2.6	4.1	6.3	10.4	13.3
74/10/01	3.4	0.3	0.6	1.4	2.6	4.3	7.6	10.0
74/10/16	3.1	0.2	0.8	1.5	2.5	4.0	5.8	8.6
74/10/30	4.0	0.2	1.0	2.0	3.4	5.3	8.5	12.2
75/05/07	0.3	0.1	0.1	0.2	0.2	0.3	0.7	0.9
75/05/22	0.3	0.1	0.1	0.2	0.2	0.4	0.6	0.8
75/06/05	0.5	0.1	0.2	0.4	0.5	0.7	1.1	1.6
75/06/26	1.4	0.1	0.2	0.6	1.0	1.6	2.6	3.9
75/07/15	3.7	0.1	0.3	0.7	1.6	3.0	5.3	7.2
75/07/30	4.6	0.1	0.2	0.9	1.9	3.7	6.0	7.2
75/08/14	5.5	0.2	0.5	2.4	4.1	6.5	10.0	14.0
75/08/28	5.2	0.1	0.6	1.5	3.6	5.5	7.3	8.5
75/09/11		0.2	0.8	2.0	3.4	5.2	8.5	12.3
75/09/25	5.8	0.2	0.4	1.7	4.0	6.5	9.4	12.3
75/10/07		0.2	0.9	2.7	5.2	7.9	10.3	13.3
75/10/30	4.7	0.1	0.1	1.0	2.4	4.6	6.7	8.1

TABLE 25. WATER QUALITY DATA

## LAKE KOOCANUSA

## INTERNATIONAL BOUNDARY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
72/06/21		0.1	0.1	0.2				1.2
72/06/28		0.1	0.1	0.5				2.7
72/07/06		0.1	0.2	0.9				4.2
72/07/13		0.1	0.1	0.8				5.8
72/07/19		0.1	0.1	0.6				4.0
72/07/27		0.1	0.2	1.1				6.7
72/08/02		0.1	0.1	1.7				8.5
72/08/09		0.1	0.5	2.4				11.9
72/08/16		0.1	0.4	2.2				12.0
72/08/23		0.1	0.2	1.2				7.2
72/08/31			0.1	1.2	2.1	4.6		10.7
72/09/06		0.1	0.2	1.4				6.8
72/09/12		0.1	0.5	1.9				9.9
72/09/28			0.3	1.4	3.1			5.9
72/10/03		0.1	0.2	1.4				7.6
72/10/19			0.1	1.0	2.7			5.9
73/06/21			0.2	1.2	2.3	6.2	11.4	
73/06/28	4.3		0.1	0.8			4.4	5.5
73/07/03	6.8	0.6	1.2	2.2			6.8	8.7
73/07/10	6.5	0.6	1.2	2.3			7.3	10.6
73/07/18	7.1	0.2	0.8	2.3	3.6		7.9	
73/07/24		0.2	0.9	2.5			8.2	
73/07/31		0.4	1.2	2.7			8.4	
73/08/07	8.8	0.4	1.3	2.7			10.8	
73/08/15	5.8	0.1	0.7	2.4		5.6	10.0	
73/08/21		0.1	0.8	2.2			8.9	
73/08/29		0.1	0.6	1.8			8.5	
73/09/05		0.4	0.9	2.3			9.3	
73/09/12		0.2	0.8	2.5		6.2	10.0	
73/09/18		0.1	0.6	1.6			9.0	
73/09/25		0.1	0.6	1.7			6.9	
73/10/03		0.2	0.6	1.8		4.6	7.3	
73/10/09		0.1	1.1	1.9			7.2	
73/10/15		0.2	0.5	1.5			7.4	

TABLE 25. WATER QUALITY DATA

## LAKE KOOCANUSA

## INTERNATIONAL BOUNDARY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
77/06/28	3.7							
77/07/12	5.5							
77/07/26	6.1							
77/08/18	4.3	0.2	0.1	2.1	3.5	5.1	7.7	10.9
77/08/30		0.2	1.1	1.8	2.7	4.0	5.9	8.3
77/09/13	7.0	0.2	1.6	3.0	4.6	6.7	10.0	13.7
77/09/29	7.3	0.2	0.9	2.4	4.3	6.4	8.4	10.7
78/06/29		0.2	0.9	2.4	3.8	5.8	9.4	12.6
78/07/13		0.2	0.8	1.5	2.4	4.2	7.3	11.6
78/07/27		0.2	1.2	1.8	2.7	4.9	10.1	16.5
78/08/10	6.2	0.2	0.9	2.7	4.4	7.2	10.8	15.1
78/08/31	6.2	0.2	0.8	2.8	4.9	8.0	13.5	18.6
78/09/14	3.7	0.2	0.9	3.3	5.2	8.1	11.9	17.5
78/09/28		0.2	0.8	3.0	5.5	6.1	10.7	15.2
78/10/11	5.6							

TABLE 25. WATER QUALITY DATA

## LAKE KOOCANUSA

## INTERNATIONAL BOUNDARY

## DEPTH OF LIGHT PENETRATION IN METERS

Date	Secchi Disc	Relative Irradiance						
		90%	60%	30%	15%	5%	1%	0.1%
73/10/23		0.2	0.7	1.9				8.8
73/10/30		0.1	0.5	1.4				6.9
73/11/12		0.1	0.1	0.8				3.4
73/12/04		0.1	0.4	0.8				2.9
74/06/12	0.6	0.1	0.2	0.5	0.6		1.3	1.7
74/06/25	0.8	0.1	0.2	0.3	0.5	0.7	1.1	1.6
74/07/09	1.9	0.1	0.1	0.4	0.8		2.1	3.0
74/07/23	2.5	0.1	0.3	0.8	1.4	2.3	3.5	4.9
74/08/06	5.6	0.1	0.1	0.6		3.4	5.8	8.0
74/08/20	4.0	0.2	0.7	1.4	2.3	3.6	6.6	9.3
74/09/04	9.1	0.2	0.8	2.2	4.5		11.3	14.0
74/09/17	8.5	0.4	1.3	2.6	4.4	6.7	10.8	13.8
74/10/02	4.2	0.1	0.2	1.2	2.4	4.0	6.8	8.3
74/10/17	5.3	0.2	0.8	1.5	2.4	4.3	7.7	10.6
74/10/31	6.5	0.1	0.2	1.1	2.4	4.7	7.0	8.4
75/06/06	0.2	0.1	0.1	0.1	0.2	0.2	0.4	0.6
75/06/27	0.9	0.1	0.1	0.3	0.6	1.0	1.7	2.4
75/07/17	2.1	0.1	0.2	0.9	1.6	2.9	5.0	7.0
75/07/31	3.8	0.1	0.2	1.1	2.2	3.8	6.4	9.3
75/08/15	6.6	0.1	0.2	1.7	3.3	5.3	9.0	12.0
75/08/27	5.2	0.1	0.5	1.8	3.8	6.3	9.6	12.6
75/09/12	7.5	0.1	0.3	1.1	2.9	5.5	9.3	12.4
75/09/26	6.7	0.2	1.0	2.3	4.0	6.2	9.8	13.9
75/10/08		0.1	0.6	1.5	3.3	6.1	9.0	11.4
75/10/29	4.1	0.2	0.3	1.2	2.7	5.4	7.8	9.7
76/06/25		0.1	0.1	0.6	1.2	2.5	4.8	6.6
76/07/08		0.1	0.4	1.0	1.6	2.7	4.1	5.0
76/07/28	4.4	0.2	0.9	1.9	3.0	4.7	7.7	11.2
76/08/10	4.1	0.1	0.4	1.3	2.4	4.6	7.6	9.4
76/09/02	4.7	0.1	0.3	0.9	1.7	3.1	5.5	8.6
76/09/15	7.2	0.1	0.1	0.5	2.1	4.4	7.3	11.3
76/09/28	10.7	0.1	0.4	2.1	5.2	8.3	10.4	14.0
76/10/13	6.2	0.1	0.1	1.4	3.0	5.1	8.5	12.3
76/10/27	5.3	0.1	0.2	1.0	2.1	4.1	7.0	9.3

/TYPA/AMBNT/LAKE

112WRD  
0000 CLASS 00

INDEX 1310000 007840  
MILES 0815.00 0223.00  
PARAMETER

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00003 VSAMPL0C	152	80.3614	13024.3	114.124	1.42014	9.25669	310.000	1.00000	75/10/09	78/10/25
00008 LAB IDENT	8	1318.87	696984	834.955	.633006	295.166	2268.00	373.000	73/06/18	74/05/21
00010 WATER TEMP	483	10.8973	23.9551	4.89439	.449139	.222703	22.8000	2.20000	72/06/05	78/10/25
00020 AIR TEMP	129	13.1217	52.0894	7.21730	.550029	.635448	25.0000	2.99E+01	73/10/01	78/10/25
00028 ANALYZE AGENCY	33	80020.0	.409E+04	.000000	.000000	.000000	80020.0	80020.0	78/06/29	78/10/25
00041 WEATHER WMO CODE	96	3.13538	147.760	12.1556	3.87693	1.24063	60.9999	.000000	76/10/14	78/10/25
00080 COLOR PT-CO	72	4.80555	14.8349	3.85162	.801493	.453917	20.0000	.000000	74/06/14	76/09/29
00095 CONDUTVY AT 25C	376	225.774	1503.66	38.7770	1.71752	1.99977	350.000	150.000	72/06/05	78/10/25
00300 DO	265	9.40028	3.05677	1.74836	.185990	.107401	12.8000	1.00000	73/12/19	78/10/25
00310 ROD 5 DAY	104	1.03365	.881481	.938872	.908312	.092064	6.59999	.200000	72/06/27	76/09/29
00340 COD HT LEVEL	32	5.09375	10.2813	3.20644	.629485	.566824	12.0000	.000000	72/06/27	74/05/21
00400 PH SU	382	8.08706	.152774	.390864	.048332	.019998	8.80000	6.99999	72/06/05	78/10/25
00405 CO2	87	2.08965	3.00950	1.73479	.830183	.185989	8.90000	.400000	74/06/14	78/10/25
00410 T ALK CAC03	364	100.724	250.432	15.8251	.157113	.829459	146.000	54.9999	72/06/05	78/10/25
00440 HCO3 ION	87	129.736	414.697	20.3641	.156966	2.18326	165.000	100.000	74/06/14	78/06/28
00445 CO3 ION	87	21.8391	1.03315	1.01644	4.65421	.108973	7.00000	.000000	74/06/14	78/06/28
00515 RESIDUE DISS-105	14	156.429	1563.19	39.5372	.252749	10.5668	220.000	110.000	72/07/24	74/05/21
00530 RESIDUE TOT NFLT	14	2.28571	4.37363	2.09132	.914954	.558930	9.00000	1.00000	72/07/24	74/05/21
00600 TOTAL N	208	.277927	.038323	.195764	.704370	.013574	1.80000	.010000	72/06/05	78/10/12
00603 TOTAL N MUD D WT	1	73.0000					73.0000	73.0000	73/10/01	73/10/01
00605 ORG N	234	.141493	.023285	.152595	1.07846	.009975	1.40000	.000000	72/11/14	78/10/12
00608 NH3+NH4- N DISS	12	.058333	.001361	.036886	.632339	.010648	1.40000	.010000	72/06/27	72/11/14
00610 NH3+NH4- N TOTAL	238	.033193	.004793	.069231	2.08570	.004488	.720001	.000000	72/11/14	78/10/25
00613 NO2-N DISS	278	.002802	.000033	.005762	2.05644	.000346	.050000	.000000	72/06/05	76/09/29
00618 NO3-N DISS	278	.070068	.006251	.079066	1.12841	.004742	.570000	.000000	72/06/05	76/09/29
00625 TOT KJEL N	352	.180222	.026293	.162150	.899724	.008643	1.70000	.000000	72/06/05	78/10/12
00626 ORGAN. N MUD D WT	3	783.333	705834	840.139	1.07252	485.054	1700.00	49.9999	72/10/17	74/05/21
00630 NO2&NO3 N-TOTAL	159	.090505	.006499	.080616	.890734	.006393	.330000	.000000	73/04/17	78/10/25
00631 NO2&NO3 N-DISS	297	.073161	.006357	.079731	1.08980	.004626	.570000	.000000	72/06/05	78/10/12
00660 ORTHOP04 P04	231	.041451	.002491	.049413	1.20413	.003284	.250000	.000000	73/07/16	78/10/25
00665 PHOS-TOT	216	.005585	.000585	.024184	.941920	.001646	1.00000	.000000	74/06/14	78/10/25
00666 PHOS-DIS	211	.034894	.001079	.032856	.945183	.002262	1.40000	.000000	72/06/05	78/10/25
00668 PHOS MUD DRY WGT	4	225.500	2027.67	45.0296	.199688	22.5148	290.000	190.000	72/10/17	74/05/21
00671 PHOS-DIS ORTHO	231	.013775	.000274	.016555	1.20184	.001089	.080000	.000000	73/07/16	78/10/25
00680 T ORG C	218	2.61866	3.66880	1.91520	.747584	.129714	14.0000	.400000	74/06/14	78/10/25
00720 CYANIDE CN-TOT	28	.005000	.000085	.009230	1.84592	.001744	.040000	.000000	72/08/28	74/05/21
00745 SULFIDE	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/10/24	73/11/13
00900 TOT HARD CAC03	91	126.220	619.455	24.8889	.197187	2.60906	170.000	94.0000	74/06/14	78/10/12
00902 NC HARD CAC03	88	20.6136	85.4583	9.24437	.448459	.985453	42.0000	5.00000	74/06/14	78/06/28

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PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00915 CALCIUM CA, DISS	91	34.8791	36.4861	6.04037	.173180	.633203	46.0000	26.0000	74/06/14	78/10/12
00925 MGNSIUM MG, DISS	91	9.67689	5.48147	2.34125	.241943	.245430	15.0000	6.00000	74/06/14	78/10/12
00930 SODIUM NA, DISS	91	2.75384	1.44405	1.20169	.436368	.125971	5.40000	1.10000	74/06/14	78/10/12
00931 SODIUM ADSBTION	91	.112087	.001074	.032774	.292431	.003436	.200000	.100000	74/06/14	78/10/12
00932 PERCENT SODIUM	91	4.29670	1.23325	1.11052	.258458	.116414	7.00000	2.00000	74/06/14	78/10/12
00933 NA+K	1	3.40000					3.40000	3.40000	78/06/29	78/06/29
00935 PTSSIUM K, DISS	91	.637359	.037701	.194167	.304643	.020354	1.20000	.100000	74/06/14	78/10/12
00940 CHLORIDE CL	91	2.55604	1.51780	1.23199	.481992	.129148	5.70000	.500000	74/06/14	78/10/12
00945 SULFATE SO4-TOT	91	21.2417	60.4303	7.77369	.365963	.814904	40.0000	11.0000	74/06/14	78/10/12
00950 FLUORIDE F, DISS	101	.435638	.134118	.366221	.840655	.036440	1.50000	.100000	73/09/13	78/10/12
00955 SILICA DISSOLVED	160	4.72117	1.87919	1.37084	.290359	.108374	8.10000	1.80000	73/07/16	78/10/25
01000 ARSENIC AS, DISS	123	1.35772	4.95294	2.22552	1.63916	.200668	15.0000	.000000	72/06/27	78/10/12
01001 ARSENIC AS, SUSP	78	.269231	.303197	.550633	2.04521	.062347	2.00000	.000000	74/06/14	78/06/28
01002 ARSENIC AS, TOT	85	1.000000	.833334	.912871	.912871	.099015	4.00000	.000000	74/06/14	78/10/12
01003 ARSENIC SEDMG/KG DRY WGT	4	3.77500	.869171	.932293	.246965	.466147	5.00000	3.00000	72/10/17	74/05/21
01005 BARIUM BA, DISS	30	43.3333	11505.7	107.265	2.47534	19.5838	500.000	.000000	72/07/24	74/05/21
01020 BORON B, DISS	2	20.0000	.000000	.000000	.000000	.000000	20.0000	20.0000	72/06/27	72/06/27
01023 B MUD DRY WGT	4	5.30000	8.36001	2.89137	.545541	1.44568	8.00000	1.20000	72/10/17	74/05/21
01025 CADMIUM CD, DISS	32	.312500	.221774	.470929	1.50697	.083249	1.00000	.000000	72/06/27	74/05/21
01028 CD MUD DRY WGT	4	3.25000	20.9167	4.57347	1.40722	2.28674	10.0000	.000000	72/10/17	74/05/21
01029 CHROMIUM CR, DISS	4	7.75000	4.91665	2.21735	.286110	1.10868	9.99999	5.00000	72/10/17	74/05/21
01030 CHROMIUM CR, DISS	32	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/06/27	78/05/21
01040 COPPER CU, DISS	32	2.59375	5.47480	2.33983	.902103	.413627	11.0000	.000000	72/06/27	74/05/21
01044 IRON FE, SUSP	7	75.7143	3795.24	61.6055	.813658	23.2847	170.000	10.0000	78/06/28	78/10/12
01045 IRON FE, TOT	90	118.111	18673.9	136.453	1.15698	14.4044	750.000	.000000	74/06/14	78/10/12
01046 IRON FE, DISS	123	21.5935	425.997	20.6397	.955830	1.86102	120.000	.000000	72/06/27	78/10/12
01049 LEAD PB, DISS	120	1.19167	2.99657	1.73106	1.45264	.158023	15.0000	.000000	72/06/27	78/10/12
01050 LEAD PB, SUSP	88	81.4999	1420.52	37.6898	.462452	4.01775	100.000	.000000	74/06/14	78/10/12
01051 LEAD PB, TOT	91	83.1098	1357.89	36.8496	.443384	3.86289	100.000	.000000	74/06/14	78/10/12
01052 LEAD SEDMG/KG DRY WGT	4	19.2500	48.9166	6.99404	.363327	3.49702	27.0000	10.0000	72/10/17	74/05/21
01053 MN MUD DRY WGT	4	2372.50	.112E+08	3358.54	1.41561	1679.27	7399.98	530.000	72/10/17	74/05/21
01054 MANGNESE MN, SUSP	83	19.8554	903.783	30.0630	1.51410	3.29984	200.000	.000000	74/06/14	78/10/12
01055 MANGNESE MN, DISS	89	31.2584	2820.13	53.1049	1.69890	5.62104	320.000	.000000	74/06/14	78/10/12
01056 MANGNESE MN, DISS	123	49.4553	93887.0	306.410	6.19570	27.6280	3300.00	.000000	72/06/27	78/10/12
01060 MOLY MO, DISS	91	.516483	1.43028	1.19594	2.31555	1.25369	10.0000	.000000	74/06/14	78/10/12
01061 MOLY MO, SUSP	88	.636364	1.42947	1.19560	1.87880	.127452	4.00000	.000000	74/06/14	78/10/12
01062 MOLY MO, TOT	91	.879121	1.99634	1.41292	1.60719	.148114	6.00000	.000000	74/06/14	78/10/12
01065 NICKEL NI, DISS	32	5.31255	6.25705	2.50141	.988212	.442191	12.0000	.000000	72/06/27	74/05/21
01090 ZINC ZN, DISS	123	7.47154	193.645	13.9156	1.86248	1.25473	140.000	.000000	72/06/27	78/10/12
01091 ZINC ZN, SUSP	88	15.8409	1399.54	37.4104	2.36163	3.98796	220.000	.000000	74/06/14	78/10/12

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01092 ZINC ZN, TOT UG/L	91	21.6154	1477.99	38.4447	1.77858	4.03010	220.000	.000000	74/06/14	78/10/12
01093 ZINC SEDMG/KG DRY WGT	4	431.499	507687	712.521	1.65127	356.260	1500.00	54.0000	72/10/17	74/05/21
01105 ALUMINUM AL, TOT UG/L	91	128.461	16806.5	129.640	1.00917	13.5900	800.000	.000000	74/06/14	78/10/12
01106 ALUMINUM AL, DISS UG/L	91	10.3297	89.8901	9.48104	.917846	.993883	40.0000	.000000	74/06/14	78/10/12
01107 ALUMINUM AL, SUSP UG/L	88	121.364	16460.2	128.297	1.05713	13.6765	770.000	.000000	74/06/14	78/10/12
01170 FE MUD DRY WGT MG/KG-FE	4	15000.0	406E+08	6377.02	.425135	3188.51	23999.9	10000.0	72/10/17	74/05/21
01515 ALPHA-D AS U-NAT PC/L	4	.800000	.060000	.244949	.306186	.122475	1.00000	.500000	72/07/24	72/10/17
01516 ALPHA-S AS U-NAT PC/L	4	.125000	.002500	.050000	.400000	.200000	.200000	.100000	72/07/24	72/10/17
03515 BETA-D AS CS137 PC/L	14	2.03571	.259404	.509317	.250191	.136121	3.50000	1.50000	72/07/24	74/05/21
03516 BETA-S AS CS137 PC/L	14	4.78571	.021813	.147694	.308614	.039473	.800000	.400000	72/07/24	74/05/21
09510 RA-226-D PLCHT CT PC/L	2	.100000	.372E-08	.000000	.000000	.000000	.100000	.100000	72/10/17	72/10/17
09511 RA-226-D RADON MT PC/L	12	.045833	.000172	.013114	.286119	.003786	.060000	.030000	72/07/24	74/05/21
31501 TOT COLI MFIMENDO /100ML	32	118.718	68582.0	261.882	2.20591	46.2946	1200.00	.000000	72/06/27	74/05/21
32230 CHLRPHYL A MG/L	138	.001667	.000005	.002219	1.33070	.000189	.012600	.000000	74/06/14	78/05/09
32231 CHLRPHYL B MG/L	138	.000878	.000002	.001437	1.63615	.000122	.010300	.000000	74/06/14	78/05/09
39330 ALDRIN TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39333 ALDRIN DRY WGT UG/L	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39340 GAMMABHC LINDANE TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39343 GBHC-MUD LINDANE DRYUG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39350 CHLRDANE TECHMET TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39351 CDANEDRY TECHMET MUDUG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39360 DDD WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39363 DDD MUD UG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39365 DDE WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39368 DDE MUD UG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39370 DDT WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39373 DDT MUD UG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39380 DIELDRIN TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39383 DIELDRIN SEDUG/KG DRY WGT	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39390 ENDRIN TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39393 ENDRIN SEDUG/KG DRY WGT	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39400 TOXAPHEN TOTUG/L	2	.000000	.000000	.000000	.000000	.000000	.000000	.000000	74/05/21	74/05/21
39403 TOXAPHEN DRY WGT UG/L	1	.000000	.000000	.000000	.000000	.000000	.000000	.000000	74/05/21	74/05/21
39410 HEPTCHLR TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39413 HEPTCHLR SEDUG/KG DRY WGT	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39420 HPCHLREP TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39423 HPCHLREP SEDUG/KG DRY WGT	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39516 PCB8 WHL SMPL UG/L	12	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39519 PCB8 MUD UG/KG	4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/17	74/05/21
39730 2,4-D WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21

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PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
39740 2,4,5-T WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
39760 SILVEX WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/24	74/05/21
60050 ALGAE TOTAL /ML	10	3192.00	5586200	2363.94	.740582	747.543	7000.00	819.999	74/04/23	74/05/21
70300 RESIDUE DISS-180 C MG/L	71	146.451	1129.87	33.6136	.229521	3.98919	202.000	101.000	74/06/14	76/09/29
70301 DISS SOL SUM MG/L	87	142.161	847.430	29.1107	.204773	3.12099	197.000	105.000	74/06/14	78/06/29
70303 DISS SOL TONS PER ACRE-FT	88	.196817	.001758	.041925	.213016	.004469	.270000	.140000	74/06/14	78/06/29
70953 CHLRPHYL A-PHYTO CHFLUG/L	32	1.00040	.364560	.603788	.603545	.106736	2.61000	.309000	78/05/26	78/10/25
70954 CHLRPHYL B-PHYTO CHFLUG/L	32	.086875	.074139	.272286	3.13423	.048134	1.54000	.000000	78/05/26	78/10/25
71845 AMMONIA TOT-NH4 MG/L	2	.040000	.001800	.042426	1.06066	.030000	.070000	.010000	74/06/14	78/06/29
71846 AMMONIA DISS-NH4 MG/L	10	.080000	.002556	.050553	.631907	.015986	.180000	.010000	72/06/27	72/11/14
71851 NITRATE DISS-NO3 MG/L	274	.307039	.123065	.350807	1.14255	.021193	2.50000	.000000	72/06/13	76/09/29
71856 NITRITE DISS-NO2 MG/L	274	.008723	.000334	.018283	2.09602	.001104	.160000	.000000	72/06/13	76/09/29
71887 TOTAL N AS NO3 MG/L	156	1.28974	.009799	.949104	.735889	.075989	7.80000	.040000	73/04/17	78/10/12
71890 MERCURY HG, DISS UG/L	32	.153125	.215474	.464191	3.03146	.082058	2.60000	.000000	72/06/27	74/05/21
71921 MERCURY SEDMG/KG DRY WGT	4	.054500	.000641	.025318	.464551	.012659	.090000	.030000	72/10/17	74/05/21
72020 ELEV FEET AB MSL	487	2388.93	3836.84	61.9422	.025929	2.80687	2859.00	2234.00	72/06/05	78/10/25
80020 U-DISS. EXT. FLR. UG/L	14	.632142	.024157	.155425	.245870	.041539	.850000	.410000	72/07/24	74/05/21
80030 ALPHA-D AS U-NAT UG/L	14	2.80000	.676942	.822765	.293845	.219893	4.40000	1.40000	72/07/24	74/05/21
80040 ALPHA-S AS U-NAT UG/L	14	.414285	.002857	.053454	.129028	.014286	.600000	.400000	72/07/24	74/05/21
80050 BETA-D AS SR-Y-90, PC/L	14	1.63571	.171712	.414381	.253334	.110748	2.80000	1.20000	72/07/24	74/05/21
80060 BETA-S AS SR-Y-90, PC/L	14	.464285	.013242	.115074	.247852	.030755	.700000	.400000	72/07/24	74/05/21

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Table with columns: INDEX, MILES, PARAMETER, NUMBER, MEAN, VARIANCE, STAN DEV, COEF VAR, STAND ER, MAXIMUM, MINIMUM, REG DATE, END DATE. Contains data for various parameters like VSAMPLOC, WATER, AIR, WEATHER, CONDUCTVY, etc.

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Table with columns: INDEX, MILES, PARAMETER, NUMBER, MEAN, VARIANCE, STAN DEV, COEF VAR, STAND ER, MAXIMUM, MINIMUM, REG DATE, END DATE. Contains data for various parameters like CALCIUM, SODIUM, ARSENIC, LEAD, ZINC, etc.

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01093 ZINC SEDMG/KG DRY WGT	4	169.000	150.667	12.2746	.072631	6.13737	186.000	160.000	72/11/13	74/05/23
01105 ALUMINUM AL,TOT UG/L	86	166.930	31902.1	178.612	1.06998	19.2602	1200.00	.000000	74/06/13	78/10/10
01106 ALUMINUM AL,DISS UG/L	84	14.5238	104.590	10.2269	.704149	1.11585	40.0000	.000000	74/06/13	78/10/10
01107 ALUMINUM AL,SURP UG/L	83	156.590	33016.4	181.704	1.16038	19.9446	1200.00	.000000	74/06/13	78/10/10
01170 FE MUD DRY WGT MG/KG-FE	4	16000.0	.400E+08	6324.55	.395285	3162.28	24000.0	10000.0	72/11/13	74/05/23
01515 ALPHA-D AS U-NAT PC/L	4	.724999	.009168	.095748	.132066	.047874	.799999	.599999	72/07/25	72/10/16
01516 ALPHA-S AS U-NAT PC/L	4	.100000	.745E-08	.000086	.000863	.000043	.100000	.100000	72/07/25	72/10/16
03515 BETA-D AS CS137 PC/L	14	1.96428	.094788	.307876	.156737	.082283	2.40000	1.30000	72/07/25	74/05/23
03516 BETA-S AS CS137 PC/L	14	.557142	.061099	.247182	.443661	.066062	1.10000	.400000	72/07/25	74/05/23
09510 RA-226-D PLCHT CT PC/L	2	.100000	.000000	.000000	.000000	.000000	.100000	.100000	72/10/16	72/10/16
09511 RA-226-D RADON MT PC/L	12	.045000	.000173	.013143	.292059	.003794	.070000	.020000	72/07/25	74/05/23
22703 U-NAT DT SOLVED UG/L	2	.400000	.596E-07	.000000	.000000	.000000	.400000	.400000	72/07/25	72/07/25
31501 TOT COLI MFIMENDO /100ML	32	85.3435	26392.8	162.459	1.90359	28.7189	629.999	.000000	72/06/13	74/05/23
32230 CHLRPHYL A MG/L	147	.001400	.000006	.002352	1.68061	.000194	.015000	.000000	74/06/13	78/05/08
32231 CHLRPHYL B MG/L	147	.000707	.000002	.001239	1.75177	.000102	.006200	.000000	74/06/13	78/05/08
39330 ALDRIN TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39333 ALDRIN SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39340 GAMMABHC LINDANE TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39343 GBHC-MUD LINDANE DRYUG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39350 CHLRDANE TECH&MET TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39351 CDANEDRY TECH&MET MUDUG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39360 DDD WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39363 DDD MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39365 DDE WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39368 DDE MID UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39370 DOT WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39373 DOT MID UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39380 DIELDRIN TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39383 DIELDRIN SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39390 ENDRIN TOT UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39393 ENDRIN SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39400 TOXAPHEN TOTUG/L	2	.000000	.000000	.000000	.000000	.000000	.000000	.000000	74/05/23	74/05/23
39403 TOXAPHEN SEDUG/KG DRY WGT	1	.000000	.000000	.000000	.000000	.000000	.000000	.000000	74/05/23	74/05/23
39410 HEPTCHLR TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39413 HEPTCHLR SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39420 HPCHLREP TOTUG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39423 HPCHLREP SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39516 PCBS WHL SMPL UG/L	12	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/16	74/05/23
39519 PCBS MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/06/19	74/05/23
39730 2,4-D WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23

/TYPA/AMBNT/LAKE

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 0000 CLASS 00

INDEX 1310000 007840  
 MILES 0815.00 0236.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
39740 2,4,5-T WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
39760 SILVEX WHL SMPL UG/L	14	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/25	74/05/23
60050 ALGAE TOTAL /ML	9	9733.32	.640E+08	8127.91	.835060	2709.30	22000.0	1200.00	74/04/25	74/05/23
70300 RESIDUE DISS-180 C MG/L	73	134.192	884.555	29.7415	.221634	3.48097	214.000	98.0000	74/06/13	76/09/27
70301 DISS SOL SUM MG/L	85	133.294	787.024	28.0539	.210467	3.04288	208.000	105.000	74/06/13	78/06/27
70303 DISS SOL TONS PER ACRE-FT	85	.183764	.001552	.039396	.214385	.004273	.290000	.130000	74/06/13	78/06/27
70953 CHLRPHYL A-PHYTO CHFLUG/L	32	1.12246	.489319	.699513	.623194	.123658	3.29000	.144000	78/05/25	78/10/23
70954 CHLRPHYL B-PHYTO CHFLUG/L	32	.040875	.004133	.064286	1.57274	.011364	.199000	.000000	78/05/25	78/10/23
71846 AMMONIA DISS-NH4 MG/L	13	.054615	.002077	.045573	.834401	.012640	.130000	.000000	72/06/27	78/05/25
71851 NITRATE DISS-NO3 MG/L	279	.274491	.096402	.310486	1.13113	.018588	2.00000	.000000	72/06/13	76/09/27
71856 NITRITE DISS-NO2 MG/L	279	.010645	.000777	.027867	2.61780	.001668	.360000	.000000	72/06/13	76/09/27
71887 TOTAL N AS NO3 MG/L	156	1.16031	.630488	.794032	.684325	.063573	5.30000	.000000	73/03/14	78/09/26
71890 MERCURY HG,DISS UG/L	34	.235294	.327808	.572545	2.43332	.098191	3.30000	.000000	72/06/27	74/05/23
71921 MERCURY SEDMG/KG DRY WGT	4	.071000	.000311	.017626	.248250	.008813	.090000	.050000	72/11/13	78/05/23
72020 ELEV FEET AB MSL	500	2388.67	4338.14	65.8646	.027574	2.94555	2665.00	2231.00	72/06/06	78/10/23
80020 U-DISS. EXT.FLR. UG/L	12	.584999	.012955	.113820	.191293	.032857	.830000	.449999	72/10/16	74/05/23
80030 ALPHA-D AS U-NAT UG/L	14	2.899999	.844639	.919042	.316912	.245624	4.90000	1.90000	72/07/25	74/05/23
80040 ALPHA-S AS U-NAT UG/L	14	.589999	.118077	.343623	.624771	.091837	1.60000	.400000	72/07/25	74/05/23
80050 BETA-D AS SR-Y-90, PC/L	14	1.58571	.058249	.241348	.152202	.064503	1.90000	1.10000	72/07/25	74/05/23
80060 BETA-S AS SR-Y-90, PC/L	14	.521428	.035660	.188837	.362154	.050469	.900000	.400000	72/07/25	74/05/23

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Table with columns: INDEX, MILES, PARAMETER, NUMBER, MEAN, VARIANCE, STAN DEV, COEF VAR, STAND ER, MAXIMUM, MINIMUM, REG DATE, END DATE. Contains data for parameters like VSAMPLOC, LAB, WATER, AIR, COLOR, CONDUCTVY, etc.

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112WRD  
0000 CLASS 00

Table with columns: INDEX, MILES, PARAMETER, NUMBER, MEAN, VARIANCE, STAN DEV, COEF VAR, STAND ER, MAXIMUM, MINIMUM, REG DATE, END DATE. Contains data for parameters like NC HARD, CALCIUM, MANGSIUM, SODIUM, etc.





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0000 CLASS 00

INDEX	1310000	007840																		
MILES	0815.00	0269.70																		
PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE								
00003	VSAMPLOC	DEPTH	FEET	109	37.3853	1673.49	40.9083	1.09424	3.91831	130.000	1.00000	75/10/08	78/10/24							
00008	LAB	IDENT.	NUMBER	7	1188.14	830297	911.206	.766916	344.403	2270.00	351.000	73/06/21	74/05/24							
00010	WATER	TEMP	CENT	358	13.9384	16.6831	4.08450	.293039	.215870	22.4000	1.00000	72/06/14	78/10/24							
00020	AIR	TEMP	CENT	56	16.9375	32.6289	5.71217	.337251	.763321	24.0000	3.00000	73/12/04	78/10/24							
00028	ANALYZE	AGENCY	CODE	34	80020.0	.397E+04	.000000	.000000	.000000	80020.0	.000000	78/06/29	78/10/24							
00041	WEATHER	WMO CODE	4501	62	6.79028	321.183	17.9216	2.63930	2.27604	60.9999	.000000	76/10/13	78/10/11							
00076	TURB	TRBIDMTR	HACH FTU	1	2.70000					2.70000	2.70000	78/07/13	78/07/13							
00080	COLOR	PT-CO	UNITS	56	5.96428	32.9806	5.74287	.962877	.767424	30.0000	.000000	74/06/12	76/09/28							
00095	CONDUCTVY	AT 25C	MICROMHO	271	208.471	890.478	29.8409	.143142	1.81270	340.000	130.000	72/06/14	78/10/24							
00300	DO		MG/L	186	8.90422	.574409	.757898	.085117	.055572	11.0000	6.00000	74/05/24	78/10/24							
00310	BOD	5 DAY	MG/L	79	.979738	.394462	.628062	.641051	.070662	3.90000	.200000	72/06/28	76/09/28							
00340	COD	HI LEVEL	MG/L	22	6.18182	99.2035	9.96009	1.61119	2.12350	46.0000	.000000	72/06/28	74/05/24							
00400	PH		SU	278	8.19414	.084978	.291511	.035576	.017484	8.90000	7.29999	72/06/14	78/10/24							
00405	CO2		MG/L	67	1.12686	.382608	.618553	.548917	.075568	3.20000	.000000	74/06/12	78/10/24							
00410	T ALK	CAC03	MG/L	270	93.1729	71.6357	8.46379	.090840	.515090	125.000	77.0000	72/06/14	78/10/24							
00440	HCO3 ION	HCO3	MG/L	67	110.343	70.0047	8.36688	.075826	1.02218	138.000	97.0000	74/06/12	78/06/29							
00445	CO3 ION	CO3	MG/L	67	.074627	.161013	.401264	5.37694	.049022	3.00000	.000000	74/06/12	78/06/29							
00515	RESIDUE	DISS-105	C MG/L	11	144.545	667.281	25.8318	.178710	7.78858	180.000	110.000	72/07/27	74/05/24							
00530	RESIDUE	TOT NFLT	MG/L	11	3.18182	16.7636	4.09434	1.24679	1.23449	15.0000	.999999	72/07/27	74/05/24							
00600	TOTAL N	N	MG/L	139	.243305	.052823	.229832	.944627	.019494	1.70000	.010000	72/06/14	78/09/28							
00603	TOTAL N	MUD D WT	MG/KG-N	1	930.000					930.000	.000000	73/09/12	73/09/12							
00605	ORG N	N	MG/L	174	.260684	.339355	.582542	2.23467	.044162	3.90000	.000000	72/06/28	78/09/28							
00608	NH3+NH4-	N DISS	MG/L	11	.038182	.000356	.018878	.494414	.005692	.070000	.000000	72/06/28	72/11/15							
00610	NH3+NH4-	N TOTAL	MG/L	178	.055000	.030011	.173238	3.14979	.012985	1.10000	.000000	73/05/22	78/10/24							
00613	NO2-N	DISS	MG/L	205	.002439	.000025	.005039	2.06611	.000352	.030000	.000000	72/06/14	76/09/28							
00618	NO3-N	DISS	MG/L	205	.035198	.001446	.038020	1.08018	.002655	1.70000	.000000	72/06/14	76/09/28							
00625	TOT KJEL	N	MG/L	251	.279278	.328513	.573160	2.05229	.036178	3.90000	.000000	72/06/14	78/09/28							
00626	ORGAN. N	MUD D WT	MG/KG-N	2	595.000	510050	714.177	1.20030	505.000	1100.00	89.9999	72/10/19	73/06/21							
00630	NO2&NO3	N-TOTAL	MG/L	108	.058611	.003470	.058907	1.00505	.005668	.220000	.000000	73/05/10	78/10/24							
00631	NO2&NO3	N-DISS	MG/L	219	.037606	.001554	.039420	1.04825	.002664	1.80000	.000000	72/06/14	78/10/11							
00660	ORTHOPO4	PO4	MG/L	176	.037447	.001751	.041839	1.11730	.003154	1.80000	.000000	73/07/18	78/10/24							
00665	PHOS-TOT		MG/L P	167	.027335	.001199	.034629	1.26682	.002680	1.70000	.000000	74/06/12	78/10/24							
00668	PHOS-DIS		MG/L P	148	.035678	.002239	.047320	1.32629	.003890	.280000	.000000	72/06/14	78/10/24							
00668	PHOS MUD	DRY WGT	MG/KG-P	3	250.000	165679	407.036	1.62815	235.003	719.999	13.0000	72/10/19	73/09/12							
00671	PHOS-DIS	ORTHO	MG/L P	176	.012477	.000194	.013945	1.11761	.001051	.060000	.000000	73/07/18	78/10/24							
00680	T ORG C	C	MG/L	161	2.40678	3.20781	1.79104	.744161	.141153	10.0000	.400000	74/06/12	78/10/24							
00720	CYANIDE	CN-TOT	MG/L	19	.003158	.000023	.004776	1.51229	.001096	.010000	.000000	72/08/31	74/05/24							
00900	TOT HARD	CAC03	MG/L	70	104.528	123.923	11.1321	.106498	1.33054	140.000	86.0000	74/06/12	78/10/11							
00902	NC HARD	CAC03	MG/L	67	13.7015	39.9097	6.31742	.461075	.771795	28.0000	2.000000	74/06/12	78/06/29							

STORET DATE 80/03/27

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0000 CLASS 00

INDEX	1310000	007840																		
MILES	0815.00	0269.70																		
PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE								
00915	CALCIUM	CA,DISS	MG/L	70	29.4714	9.49960	3.08214	.104581	.368386	39.0000	25.0000	74/06/12	78/10/11							
00925	MGNSTUM	MG,DISS	MG/L	70	7.59995	.980396	.990684	.130880	.118887	11.0000	5.60000	74/06/12	78/10/11							
00930	SODIUM	NA,DISS	MG/L	69	1.74927	.206082	.453962	.259515	.054651	3.50000	1.10000	74/06/12	78/10/11							
00931	SODIUM	ADSBTION	RATIO	70	.099999	.941E-07	.000307	.000309	.000000	1.00000	.000000	74/06/12	78/10/11							
00932	PERCENT	SODIUM	%	70	3.44286	.337271	.580751	.168683	.069413	5.00000	3.00000	74/06/12	78/10/11							
00935	PTSSUM	K,DISS	MG/L	70	.454284	.009476	.097345	.214282	.011635	.700000	.100000	74/06/12	78/10/11							
00940	CHLORIDE	CL	MG/L	70	1.65285	.254718	.504696	.305349	.060323	2.80000	.300000	74/06/12	78/10/11							
00945	SULFATE	SO4-TOT	MG/L	70	15.1100	13.0553	3.61321	.239127	.431862	24.0000	8.00000	74/06/12	78/10/11							
00950	FLUORIDE	F,DISS	MG/L	75	.230665	.027831	.166826	.723240	.019263	1.20000	.100000	73/09/12	78/10/11							
00955	SILICA	DISSOLVED	MG/L	119	3.83355	1.06313	1.03108	.268963	.094519	5.60000	.000000	73/07/18	78/10/24							
01000	ARSENIC	AS,DISS	UG/L	93	1.01075	2.35857	1.53577	1.51943	.159251	10.0000	.000000	72/06/28	78/10/11							
01001	ARSENIC	AS,SUSP	UG/L	61	.557377	.950820	.975100	1.74944	.124849	4.00000	.000000	74/06/12	78/06/29							
01002	ARSENIC	AS,TOT	UG/L	67	1.04477	1.43736	1.19890	1.14752	.146469	5.00000	.000000	74/06/12	78/10/11							
01003	ARSENIC	SEDMG/KG	DRY WGT	3	5.76666	9.16338	3.02711	.524932	1.74770	9.00000	3.00000	72/10/19	73/09/12							
01005	BARIUM	BA,DISS	UG/L	21	14.2857	2285.71	47.8091	3.34664	10.4328	200.000	.000000	72/07/27	74/05/24							
01020	BORON	B,DISS	UG/L	2	5.00000	50.0000	7.07107	1.41421	5.00000	10.0000	.000000	72/06/2								

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0000 CLASS 00

INDEX 1310000 007840  
MILES 0815.00 0269.70

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
01093 ZINC SEDMG/KG DRY WGT	3	140.666	2761.35	52.5485	.373568	30.3389	200.000	100.000	72/10/19	73/09/12
01105 ALUMINUM AL,TOT UG/L	69	264.637	251356	501.354	1.89449	60.3560	3100.00	.000000	74/06/12	78/10/11
01106 ALUMINUM AL,DISS UG/L	70	17.1428	1855.48	43.0753	2.51273	5.14849	360.000	.000000	74/06/12	78/10/11
01107 ALUMINUM AL,SUSP UG/L	66	264.242	261417	511.290	1.93493	62.9354	3100.00	.000000	74/06/12	78/10/11
01145 SELENIUM SE,DISS UG/L	2	.000000	.000000	.000000	.000000	.000000	.000000	.000000	76/09/02	76/09/02
01170 FE MUD DRY WGT MG/KG-FE	3	15766.6	.153E+09	12400.1	.786477	7159.20	29999.9	7300.00	72/10/19	73/09/12
01515 ALPHA-D AS U-NAT PC/L	4	1.07500	.282502	.531509	.494427	.265754	1.70000	.500000	72/07/27	72/10/19
01516 ALPHA-S AS U-NAT PC/L	4	1.00000	.248E-08	.000000	.000000	.000000	1.00000	1.00000	72/07/27	72/10/19
03515 BETA-D AS CS137 PC/L	11	2.26363	1.84856	1.35962	.600635	.409940	6.30000	1.50000	72/07/27	74/05/24
03516 BETA-S AS CS137 PC/L	11	.463636	.044546	.211058	.455224	.063636	1.10000	.400000	72/07/27	74/05/24
09510 RA-226-D PLCHT CT PC/L	2	1.00000	.372E-08	.000000	.000000	.000000	1.00000	1.00000	72/10/19	72/10/19
09511 RA-226-D RADON MT PC/L	9	.051111	.000186	.013642	.266915	.004547	.070000	.030000	72/07/27	74/05/24
22703 U-NAT DTSOLVED UG/L	2	.400000	.000000	.000000	.000000	.000000	.400000	.400000	72/07/27	72/07/27
31501 TOT COLI MFIMENDO /100ML	23	202.738	86427.0	293.985	1.45007	61.3000	1200.00	.000000	72/06/28	74/05/24
32230 CHLRPHYL A MG/L	106	.002723	.000143	.011942	4.38610	.001160	.123000	.000000	74/06/12	77/09/29
32231 CHLRPHYL R MG/L	106	.001265	.000003	.001637	1.29450	.000159	.007100	.000000	74/06/12	77/09/29
39330 ALDRIN TOT UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39333 ALDRIN SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39340 GAMMABHC LINDANE TOT UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39343 GRHC-MUD LINDANE DRYUG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39350 CHLRDANE TECH&MET TOT UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39351 CDANEDRY TECH&MET MUDUG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39360 DDD WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39363 DDD MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39365 DDE WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39368 DDE MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39370 DDT WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39373 DDT MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39380 DIELDRIN TOTUG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39383 DIELDRIN SEDUG/KG DRY WGT	3	1.00000	.830000	1.73205	1.73205	1.00000	3.00000	.000000	72/10/19	73/09/12
39390 ENDRIN TOT UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39393 ENDRIN SFUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39400 TOXAPHEN TOTUG/L	1	.000000	.000000	.000000	.000000	.000000	.000000	.000000	74/05/24	74/05/24
39410 HEPTCHR TOTUG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39413 HEPTCHR SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39420 HPCHLREP TOTUG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39423 HPCHLREP SEDUG/KG DRY WGT	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39516 PCRS WHL SMPL UG/L	9	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	74/05/24
39519 PCRS MUD UG/KG	3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/19	73/09/12
39730 2,4-D WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24

/TYPA/AMBN/LAKE

112WRD  
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INDEX 1310000 007840  
MILES 0815.00 0269.70

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
39740 2,4,5-T WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
39760 SILVEX WHL SMPL UG/L	11	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/07/27	74/05/24
60050 ALGAE TOTAL /ML	1	190.000					190.000	190.000	74/05/24	74/05/24
70300 RESIDUE DISS-180 C MG/L	56	115.482	261.732	16.1781	.140002	2.16189	199.000	92.9999	74/06/12	76/09/28
70301 DISS SOL SUM MG/L	67	114.627	134.288	11.5883	.101096	1.41573	148.000	99.0000	74/06/12	78/06/29
70303 DISS SOL TONS PER ACPE-FT	67	158209	.000439	.020953	.132438	.002560	.270000	.130000	74/06/12	78/06/29
70953 CHLRPHYL A-PHYTO CHFLUG/L	26	.839848	.133816	.365809	.435567	.071741	1.71000	.193000	78/06/29	78/10/24
70954 CHLRPHYL B-PHYTO CHFLUG/L	26	.019269	.000337	.018347	.952130	.003598	.045000	.000000	78/06/29	78/10/24
71846 AMMONIA DISS-NH4 MG/L	9	.050000	.000700	.026458	.529150	.008819	.090000	.000000	72/06/28	72/11/15
71851 NITRATE DISS-NO3 MG/L	203	.154472	.030091	.173468	1.12297	.012175	.750001	.000000	72/06/14	76/09/28
71856 NITRITE DISS-NO2 MG/L	203	.007537	.000253	.015916	2.11170	.001117	.100000	.000000	72/06/14	76/09/28
71887 TOTAL N AS NO3 MG/L	99	1.07908	1.31448	1.14651	1.06288	.115228	7.30000	.040000	73/05/10	78/09/28
71890 MERCURY HG,DISS UG/L	23	.095652	.024980	.158051	1.65236	.032956	.500000	.000000	72/06/28	74/05/24
71921 MERCURY SFDMG/KG DRY WGT	3	.061000	.000133	.011533	.189061	.006658	.073000	.050000	72/10/19	73/09/12
72020 ELEV FEET AB MSL	358	2412.11	1771.20	42.0857	.017448	2.22430	2452.00	2258.00	72/06/14	78/10/24
80020 U-DISS. EXT.FLR. UG/L	9	.564444	.008128	.090156	.159726	.030052	.720000	.450000	72/10/19	74/05/24
80030 ALPHA-D AS U-NAT UG/L	11	2.79090	1.04893	1.02417	.366968	.308800	5.10000	1.40000	72/07/27	74/05/24
80040 ALPHA-S AS U-NAT UG/L	11	.481818	.073636	.271360	.563201	.081818	1.30000	.400000	72/07/27	74/05/24
80050 BETA-D AS SR-Y-90, PC/L	11	1.80909	1.15491	1.07467	.594038	.324025	5.00000	1.20000	72/07/27	74/05/24
80060 BETA-S AS SR-Y-90, PC/L	11	.445454	.022727	.150756	.338433	.045455	.900000	.400000	72/07/27	74/05/24

TABLE 30. LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT  
 USGS STATION NO. 12301919  
 COE/USGS DATA: STORET RETRIEVAL

DATE	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00310 BOD 5 DAY MG/L	00400 PH -- SU	00410 T ALK CaCO <sub>3</sub> MG/L
72/06/05	0215	9.0			215				7.60	88
	0010	12.7			230				7.50	85
72/06/13	0248	8.3			190				7.90	90
	0010	10.5			190				7.80	81
72/06/20	0258	8.9			200				7.80	92
	0010	13.9			200				8.40	85
72/06/27	0260	8.3			190		0.8		7.60	90
	0010	11.4			190		1.3		7.50	84
72/07/05	0258	9.0			200				7.70	94
	0010	16.0			185				8.60	88
72/07/12	0275	9.0			170				7.60	93
	0010	13.9			185				7.90	85
72/07/18	0275	9.2			170				7.50	86
	0010	17.7			180				8.00	83
72/07/24	0290	9.0			175			1.2	7.90	85
	0010	18.0			185			1.3	7.40	82
72/08/01	0265	9.2			183				7.10	85
	0010	15.1			184				7.80	82
72/08/08	0277	9.1			183				7.60	89
	0010	18.2			184				8.50	84
72/08/15	0287	9.4			190				7.30	83
	0010	20.9			190				7.90	80
72/08/22	0269	9.3			190				7.80	80
	0010	21.0			190				8.80	74
72/08/28	0274	9.3			195			0.5	8.30	75
	0010	21.4			190			0.5	8.40	77
72/09/05	0271	9.4			195				7.70	86
	0010	20.0			195				8.80	76
72/09/11	0291	9.1			205				7.40	89
	0010	17.4			195				8.40	76
72/09/18	0280	10.0			195				7.80	80
	0010	16.4			190				8.30	77
72/09/25	0259	10.5			190			3.9	7.70	82
	0010	15.2			195			2.8	8.20	76
72/10/02	0249	11.0			200				7.30	84
	0010	14.8			200				8.00	77
72/10/10	0211	11.7							7.30	86
	0010	14.0							7.80	80
72/10/17	0223	11.0			245			0.6	7.50	95
	0010	13.5			215			0.8	7.80	83
72/10/24	0203	10.2			250				7.30	97
	0010	12.6			210				7.40	85
72/10/31	0194	9.5			245				7.30	99
	0010	11.5			215				7.70	90
72/11/06	0180	8.9			240				7.50	102
	0010	10.4			220				7.30	87
72/11/14	0155	7.9			235			0.9	7.40	121
	0010	9.1			220			1.1	7.80	108
72/11/21	0113	6.8			250				7.50	121
	0010	7.2			225				7.60	110
72/11/27	0100	4.0			265				7.50	126
	0010	5.2			240				7.50	113
73/04/17	0060	3.5			300				7.90	136
	0010	3.8			290				8.00	127
73/04/24	0095	4.0			295			1.0	7.90	146
	0010	6.5			290			2.6	8.40	122
73/04/30	0107	4.1			295				7.60	129
	0010	8.0			305				8.20	127
73/05/07	0111	4.4			295				7.80	127
	0010	8.7			305				8.40	124
73/05/14	0126	4.8			295				7.80	123
	0010	12.8			295				8.40	118
73/05/21	0150	4.9			290			0.5	7.80	127
	0010	10.0			270			1.5	8.30	114
73/05/29	0177	4.8			290				7.60	127
	0010	10.1			235				7.80	106
73/06/04	0194	5.0			295				7.40	126
	0010	10.2			235				7.80	101
73/06/11	0210	5.3			290				7.50	123
	0010	10.2			200				8.00	91
73/06/18	0221	5.7			290			1.4	7.60	122
	0010	10.6			205			2.9	8.20	90
73/06/27	0237	6.2			260				7.40	121
	0010	11.2			200				8.30	90
73/07/02	0248	6.0			295				7.80	55
	0010	11.7			205				8.50	93

TABLE 30. LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT  
 USGS STATION NO. 12301919  
 COE/USGS DATA: STORET RETRIEVAL

DATE	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CNDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00310 BOD 5 DAY MG/L	00400 PH -- SU	00410 T ALK CACO <sub>3</sub> MG/L
73/07/09	0252	6.0			285				7.30	64
	0010	14.0			205				8.20	90
73/07/16	0256	6.2			285		0.4		7.50	125
	0010	15.8			205		0.8		8.20	91
73/07/23	0258	6.2			285				7.90	127
	0010	18.0			205				8.60	109
73/07/30	0261	6.7			285				7.20	122
	0010	21.5			210				8.20	90
73/08/06	0260	6.7			285				7.20	120
	0010	17.3			205				8.10	86
73/08/13	0266	6.8			285		0.2		7.20	122
	0010	21.1			205		0.7		8.20	87
73/08/20	0266	6.6			205				7.20	121
	0010	18.0			--				8.10	90
73/08/28	0260	7.5			--				7.10	123
	0010	17.9			--				8.00	90
73/09/04	0255	9.0			--				7.80	100
	0010	17.7			--				8.00	89
73/09/13	0250	7.6			240		0.3		7.10	106
	0010	17.8			215		0.4		8.00	90
73/09/17	0243	8.0			215				7.10	99
	0010	17.1			215				8.00	88
73/09/24	0235	9.0			205				7.10	95
	0010	16.5			210				7.90	88
73/10/01	0235	9.1	5.5		205		0.5		7.00	90
	0010	15.8	5.5		210		0.5		7.90	88
73/10/10	0230	9.4	0.5-		210				7.10	105
	0010	14.5	0.5-		215				7.80	92
73/10/16	0227	9.1	11.0		210				7.20	96
	0010	14.0	11.0		225				7.80	98
73/10/24	0226	8.8	8.0		220				7.00	98
	0010	13.4	8.0		230				7.80	98
73/10/29	0220	9.1	8.0		210				7.00	102
	0010	12.8	8.0		230				7.80	100
73/11/13	0010	10.8	6.0		225				7.90	101
	0230	7.8	6.0		245				7.40	108
73/11/28	0214	7.2	7.0		240		0.6		7.80	105
	0010	9.0	7.0		235		0.8		7.90	100
73/12/05	0213	7.5	0.5-		245				7.80	105
	0010	8.6	0.5-		235				7.90	101
73/12/19	0220	6.2	0.5		230	9.6	76.8		7.90	104
	0010	7.0	0.5		235	9.6			8.00	98
74/02/15	0025	2.6	3.0-		210	11.4	84.4		8.20	
74/04/03	0158	2.4	8.0		230	12.0	87.0		8.00	109
	0010	2.7	8.0		230	11.6	85.9		8.20	108
74/04/10	0161	2.2	9.5		250	11.8	85.5		8.10	113
	0010	2.2	9.5		245	11.4	82.6		8.30	110
74/04/17	0159	3.0	4.0		255	11.8	87.4		8.40	117
	0010	3.4	4.0		240	21.1	89.6		8.30	110
74/04/23	0163	3.1	20.0		240	11.8	87.4	1.5	7.90	119
	0010	3.7	20.0		230	12.5	95.4	2.8	8.20	111
74/05/02	0163	4.5	10.5		235	11.2	87.5		8.00	117
	0010	7.0	10.5		240	12.8	104.9		8.40	110
74/05/08	0168	4.8	14.5		240	11.1	86.7		8.10	120
	0010	8.5	14.5		240	11.0	94.8		8.40	112
74/05/16	0177	5.0	4.0		250	10.6	82.8		8.10	120
	0010	8.3	4.0		205	10.8	90.8		8.30	103
74/05/21	0183	5.2	16.5		250	9.2	71.9	0.8	7.90	105
	0010	11.0	16.5		220	10.3	92.8	1.6	8.40	121
74/05/29	0193	5.3	12.0		245	9.7	75.8		8.00	117
	0010	11.6	12.0		215	10.8	100.0		8.40	103
74/06/14	0229	6.0	15.0	2	235	8.1	64.8	0.5	7.70	115
	0010	10.7	15.0	2	200	10.6	95.5	1.7	8.40	98
	0005	11.0	15.0		200	11.6	104.5		8.60	98
	0001	12.9	15.0		200	11.5	108.5		8.70	98
74/06/28	0282	6.4		7	220	6.3	50.4	0.7	7.50	108
	0010	14.8		5	205	9.5	93.1	1.1	8.40	95
	0023	12.2			200	9.7	89.8		8.30	95
	0001	16.8			200	9.4	96.9		8.50	95
74/07/12	0300	7.9		5	195	7.7	64.7	0.4	7.80	99
	0010	13.7		10	170	8.9	85.6	0.7	8.20	86
	0004	14.0			175	9.0	86.5		8.20	87
	0000	14.0			175	9.0	86.5		8.20	87

TABLE 30. LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT  
 USGS STATION NO. 12301919  
 COE/USGS DATA: STORET RETRIEVAL

DATE	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00310 BOD 5 DAY MG/L	00400 PH -- SU	00410 T ALK CACO <sub>3</sub> MG/L
74/07/26	0300	7.8		7	195	7.6	63.9	0.2	7.60	101
	0010	13.0		10	165	8.6	81.1	1.2	8.10	85
	0013	12.8			165	8.6	81.1		8.10	85
	0001	16.0			170	8.8	88.0		8.20	85
74/08/09	0300	7.8		20	190	6.2	52.1	0.4	7.80	85
	0030	15.2			165	7.6	74.5		8.00	85
	0010	17.6		4	170	8.5	89.5	0.6	8.40	85
	0001	17.6			175	8.5	89.5		8.40	88
74/08/23	0010	18.0		3	150	8.6	90.5	0.8	8.40	86
	0300	8.0		5	175	5.9	49.6	0.5	7.70	98
	0031	16.2			150	8.7	87.0		8.20	86
	0003	18.0			150	8.5	89.5		8.40	86
74/09/06	0300	8.0		10	190	5.3	44.5	0.3	7.90	87
	0010	18.0		2	165	8.5	89.5	0.4	8.40	86
	0035	16.2			165	8.1	81.0		8.20	85
	0001	18.2			165	8.4	88.4		8.40	85
74/09/20	0290	7.8		5	195	5.1	42.9	0.6	7.70	102
	0010	16.4		2	175	8.5	85.0	0.4	8.30	86
	0035	16.2			175	8.5	85.0		8.30	87
	0001	16.6			175	8.5	87.6		8.30	87
74/10/04	0300	7.9		5	195	3.9	32.8	0.4	7.60	105
	0010	14.0		3	175	8.8	84.6	0.4	8.10	89
	0025	14.0			175	9.2	88.5		8.10	88
	0001	14.0			175	8.8	84.5		8.10	88
74/10/18	0283	7.9		10	210	2.8	23.5	0.7	7.50	110
	0010	12.0		0	190	9.4	87.0	0.7	8.10	90
	0030	12.0			180	9.4	87.0		8.10	86
	0003	12.0			190	9.4	87.0		8.10	86
74/11/01	0272	7.8		3	215	2.4	20.2	0.5	7.50	107
	0010	11.0		0	185	9.0	81.1	0.4	8.00	91
	0020	11.0			185	8.9	80.2		8.00	91
	0001	11.0			185	9.0	81.1		8.00	89
74/11/20	0257	8.0		20	210	0.1	0.8	0.7	7.40	114
	0010	9.9		5	180	8.7	77.0	0.5	8.10	91
	0003	9.9			180	8.7	77.0		8.10	88
	0001	9.9			180	8.7	77.0		8.10	88
75/04/18	0141	2.2		3	270	9.6	69.6	0.8	7.90	133
	0010	2.3		2	260	11.7	84.8	1.3	8.00	129
	0020	2.3			260	11.5	83.3		8.00	124
	0001	2.3			260	11.7	84.8		8.00	124
75/05/06	0142	3.4		3	350	11.4	84.4	3.8	8.20	135
	0010	4.0		4	320	12.4	94.7	4.4	8.30	130
	0013	3.8			320	12.4	94.7		8.30	128
	0001	4.0			320	12.4	94.7		8.30	128
75/05/20	0166	3.9		7	320	10.5	80.2	0.8	8.10	135
	0010	8.6		4	305	10.8	93.1	1.0	8.40	123
	0005	8.9			300	10.7	92.2		8.40	119
	0001	9.0			300	10.7	92.2		8.40	120
75/06/04	0195	4.2		4	310	10.4	79.4	1.3	8.00	132
	0010	9.4		3	285	10.4	89.7	1.1	8.30	113
	0005	9.6			285	10.4	92.0		8.30	111
	0001	9.8			290	10.5	92.9		8.30	113
75/06/25	0245	5.0		7	300	9.0	70.3	0.9	7.80	132
	0010	12.8		9	225	10.3	97.2	1.0	8.30	94
	0015	12.0			225	10.1	93.5		8.30	90
	0001	13.2			225	10.2	96.2		8.30	92
75/07/18	0283	5.8		5	315	9.1	72.8	0.3	8.20	127
	0010	13.6		5	225	9.4	90.4	0.6	8.10	84
	0020	12.9			225	9.4	88.7		8.10	87
	0001	14.8			225	9.4	92.2		8.10	87
75/07/29	0288	5.4		6	305	7.8	60.9	0.8	7.70	131
	0010	16.2		4	205	9.8	98.0	1.4	8.40	88
	0025	14.4			205	9.3	89.4		8.10	84
	0002	17.0			205	9.9	102.1		8.50	101
75/08/12	0292	5.0		5	305	7.4	57.8	1.7	7.80	130
	0010	17.6		4	205	8.9	93.7	1.4	8.30	84
	0030	15.8			205	8.3	83.0		8.10	87
	0002	17.9			205	8.8	92.6		8.30	83
75/08/29	0300	6.0		4	315	6.8	54.4	0.7	7.70	128
	0010	17.8		5	215	8.7	91.6	1.1	8.00	86
	0030	17.8			210	8.6	90.5		8.00	88
	0001	17.8			215	8.7	91.6		8.00	83
75/09/10	0300	6.5		3	315	6.4	52.5	1.3	8.20	128
	0010	16.5		3	215	8.8	90.7	1.1	8.40	85
	0045	15.1			215	7.9	77.5		8.10	84
	0025	16.0			210	8.4	84.0		8.30	82
75/09/24	0300	6.4		2	315	5.1	40.8	0.3	8.30	121
	0010	16.2		3	215	8.8	88.0	0.6	8.20	88
	0020	16.0			215	8.6	86.0		8.20	85
	0001	16.2			215	8.7	87.0		8.20	84
75/10/09	0285	6.3		2	315	5.0	40.0	1.4	8.20	123
	0010	14.2		3	215	8.6	82.7	1.5	8.20	87
	0030	14.2			215	8.6	82.7		8.20	83
	0001	14.2			215	8.6	82.7		8.20	85

TABLE 30. LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT  
 USGS STATION NO. 12301919  
 COE/USGS DATA: STORET RETRIEVAL

DATE	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00310 BOD 5 DAY MG/L	00400 PH -- SU	00410 T ALK CACO <sub>3</sub> MG/L
75/10/31	0300	6.5		5	315	2.3	18.9	0.6	8.20	125
	0010	11.5		4	210	8.7	80.6	0.6	8.20	85
	0025	11.5			210	8.7	80.6		8.20	84
	0001	11.5			210	8.7	80.6		8.20	85
76/04/20	0170	3.2	7.5	4	301	11.4	84.4	1.2	8.10	130
	0010	3.2	7.5	3	282	11.8	87.4	0.8	8.20	122
	0020	3.2	7.5		225	11.8	87.4		8.10	
	0002	3.2	7.5		225	11.8	87.4		8.20	
76/05/06	0184	3.9		2	235	10.8	82.4	1.9	8.10	130
	0010	6.9		2	235	12.1	99.2	6.6	8.40	121
	0015	6.4			230	12.1	96.8		8.40	
	0002	8.0			235	12.1	101.7		8.40	
76/05/25	0248	4.0		2	230	10.8	82.4	0.6	7.80	124
	0010	11.2		2	220	11.3	101.8	1.9	8.40	108
	0020	10.2			215	10.8	95.6		8.30	105
	0005	11.8			220	11.3	104.6		8.40	104
76/06/04	0268	4.1	15.0	1	230	10.6	80.9	0.4	7.90	124
	0010	9.2	15.0	3	190	10.3	88.8	0.3	8.10	98
	0005	9.5	15.0		190	10.4	92.0		8.20	
	0001	10.0	15.0		190	10.5	92.9		8.20	
76/06/22	0010	13.4		1	190	10.4	98.1	0.6	8.50	94
	0281	4.2		1	230	10.6	80.9	0.8	7.90	122
	0020	13.3			190	10.4	98.1		8.40	
	0001	13.7			190	10.4	100.0		8.50	
76/07/09	0295	4.9		3	225	9.8	76.6	0.6	8.20	126
	0010	16.6		3	185	10.6	109.3	1.3	8.70	94
	0025	14.5			185	10.6	103.9		8.60	
	0001	17.9			185	10.6	111.6		8.70	
76/07/30	0305	5.4		12	255	9.0	70.3	0.7	8.00	121
	0010	16.4		12	190	9.5	95.0	0.8	8.60	89
	0035	15.2			190	9.7	95.1		8.50	
	0001	16.4			190	9.5	95.0		8.60	
76/08/11	0305	6.0		11	293	8.2	65.6	0.7	8.00	121
	0010	18.0		12	185	9.2	96.8	0.8	8.60	88
	0040	14.9			185	8.6	84.3		8.30	
	0001	18.5			185	9.0	95.7		8.50	
76/08/31	0010	18.7		2	180	9.0	95.7	0.6	8.60	90
	0300	6.1		3	289	7.5	60.0	0.4	8.00	114
	0040	16.5			180	8.4	86.6		8.40	86
	0001	19.0			175	8.9	94.7		8.60	87
76/09/16	0304	6.2		3	235	7.2	57.6	0.6	7.90	120
	0010	16.8		4	185	9.5	97.9	0.9	8.50	89
	0050	16.0			180	9.3	93.0		8.40	83
	0001	17.0			185	9.5	97.9		8.50	83
76/09/29	0010	17.0		2	190	9.0	92.8	0.6	8.50	82
	0307	6.2		4	245	6.8	54.4	0.3	7.80	113
	0040	16.3			185	8.8	88.0		8.40	91
	0001	17.1			190	9.0	92.8		8.50	86
76/10/14	0010	14.3	13.0		185	8.5	81.7		8.30	89
	0300	6.5			240	6.0	49.2		7.80	116
	0002	14.3			185	8.5	81.7		8.30	89
76/10/26	0010	13.1			185	8.8	83.0		8.30	84
	0040	13.1	5.0		185	9.0	84.9		8.20	
	0002	13.1			185	8.9	84.0		8.30	88
	0300	6.5			240	6.3	51.6		7.80	117
77/05/04	0212	4.0	10.0		220	12.0	91.6		8.00	104
	0010	7.1	10.0		220	12.4	101.6		8.60	107
	0002	7.7	10.0		225	11.4	95.8		8.60	107
	0023	6.0	10.0		215	12.1	96.8		8.60	107
77/05/24	0230	3.2	14.5		225	10.2	75.6		8.10	110
	0035	7.8			235	11.2	94.1		8.50	109
	0010	8.2	14.5		235	10.8	90.8		8.50	110
	0002	8.4	14.5		235	11.2	94.1		8.50	108
77/06/13	0010	15.0	20.0		265	10.1	99.0		8.50	110
	0250	4.6	20.0		245	9.4	73.4		8.10	123
	0030	12.8			260	10.7	100.9		8.50	112
	0001	16.0	20.0		265	9.7	97.0		8.50	109
77/06/29	0010	13.2	23.0		255	9.8	92.5		8.40	106
	0262	4.8	23.0		235	9.6	75.0		8.00	110
	0002	14.0	23.0		250	9.9	95.2		8.50	104
	0030	12.6	23.2		245	9.2	86.8		8.30	100
77/07/14	0010	17.0	20.0		235	10.0	103.1		8.60	102
	0262	5.0	20.0		235	9.6	75.0		7.90	112
	0002	17.6	20.0		235	9.7	102.1		8.60	100
	0040	15.3	20.0		230	10.0	98.0		8.50	100
77/07/27	0010	19.0	22.0		235	9.8	104.3		8.70	98
	0255	5.0	22.0		240	8.8	68.7		7.90	111
	0002	19.8	22.0		235	9.6	104.3		8.70	99
	0040	16.6	22.0		225	9.4	96.9		8.50	97

TABLE 30. LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT  
 USGS STATION NO. 12301919  
 COE/USGS DATA: STORET RETRIEVAL

DATE	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00310 BOD 5 DAY MG/L	00400 PH -- SU	00410 T ALK CACO <sub>3</sub> MG/L
77/08/16	0258	5.1	23.0		240	8.7	68.0		7.90	110
	0010	20.9			230	8.3	92.2		8.50	100
	0002	21.0			230	8.3	92.2		8.60	100
	0035	20.5	23.0		230	8.6	93.5		8.60	95
77/08/31	0010	17.4	13.0		230	8.5	87.6		8.50	95
	0260	5.2	13.0		240	8.8	68.7		7.80	110
	0002	17.4	13.0		230	8.6	88.7		8.50	94
	0040	16.8	13.0		230	7.8	80.4		8.20	94
77/09/30	0010	15.0	9.0		235	8.8	86.3		8.60	98
	0260	5.2	9.0		240	8.0	62.5		7.80	110
	0002	15.0	9.0		235	8.8	86.3		8.60	96
	0050	15.0	9.0		235	8.7	85.3		8.60	95
77/10/12	0010	13.3	7.0		235	8.8	83.0		8.50	98
	0255	5.3	7.0		245	7.7	60.2		7.80	110
	0002	13.3	7.0		235	8.8	83.0		8.50	98
	0045	13.3			235	8.8	83.0		8.50	98
77/10/26	0010	12.0	7.0		235	9.0	83.3		8.40	98
	0254	5.6	7.0		245	7.8	62.4		7.90	113
	0002	12.0	7.0		235	9.0	83.3		8.40	101
	0045	12.0			235	9.0	83.3		8.40	98
78/05/09	0214	4.9	10.5		300	9.9	77.3		8.10	
	0010	7.0	10.5		272	12.2	100.0		8.40	127
	0002	7.5	10.5		272	12.2	102.5		8.50	127
	0040	6.1			272	11.5	92.0		8.30	127
78/05/26	0010	8.2	16.5		270	11.3	95.0		8.40	110
	0245	4.2	16.5		280	11.6	88.5		8.10	120
	0002	8.6	16.5		270	11.3	97.4		8.50	108
	0040	8.0			270	11.2	94.1		8.30	110
78/06/14	0010	12.5	23.0		260	10.9	102.8		8.60	100
	0277	4.3	23.0		270	11.3	86.3		8.10	120
	0002	13.2	23.0		255	10.9	102.8		8.60	100
	0035	11.2			260	10.9	98.2		8.50	101
78/06/28	0010	14.2	20.0		225	10.0	96.2		8.50	100
	0290	4.4	20.0		270	11.2	85.5		8.00	120
	0002	16.1	20.0		235	9.8	98.0		8.50	100
	0035	11.1			220	10.2	91.9		8.40	89
78/07/12	0010	14.0	23.0		220	9.2	88.5		8.30	91
	0305	4.5	23.0		270	10.3	80.5		7.90	120
	0002	14.2	23.0		220	9.2	88.5		8.30	92
	0040	12.5			210	9.4	87.0		8.30	91
78/07/26	0010	17.0	25.0		215	9.3	95.9		8.60	90
	0308	4.5	25.0		270	10.1	78.9		8.10	120
	0002	19.5	25.0		220	9.4	100.0		8.60	93
	0045	13.0			200	9.5	89.6		8.30	93
78/08/09	0010	22.0	25.0		215	8.9	101.1		8.60	93
	0310	4.6	25.0		270	10.2	79.7		7.90	127
	0002	22.8	25.0		215	9.1	104.6		8.60	93
	0055	13.2			200	9.3	87.7		8.20	87
78/08/30	0010	17.8	19.0		210	9.2	96.8		8.60	86
	0310	4.7	19.0		265	10.2	79.7		7.70	119
	0002	18.0	19.0		210	9.2	89.2		8.60	87
	0060	14.0			200	8.8	84.6		8.00	86
78/09/13	0010	15.0	10.5		195	8.8	86.3		8.40	88
	0307	4.4	10.5		260	9.7	74.0		7.80	120
	0002	15.0	10.5		195	8.8	86.3		8.40	88
	0055	12.9			190	8.4	79.2		7.90	84
78/09/27	0010	14.9	19.5		210	9.2	90.2		8.50	90
	0303	4.8	19.5		255	9.2	71.9		7.90	123
	0002	15.0	19.5		210	9.1	89.2		8.50	91
	0050	14.2	19.5		200	9.1	87.5		8.40	92
78/10/12	0010	12.8	10.0		200	9.2	86.8		8.40	89
	0305	4.9	10.0		265	8.5	66.4		7.70	120
	0002	13.0	10.0		200	9.2	86.8		8.40	89
	0055	11.1	10.0		185	9.0	81.1		8.00	86
78/10/25	0010	11.8	1.0		190	9.2	85.2		8.40	92
	0302	4.9	1.0		250	7.7	60.2		7.70	120
	0002	11.8	1.0		195	9.2	85.2		8.40	93
	0055	11.2	1.0		185	9.2	82.9		8.40	92



TABLE 31. LAKE KOOCANUSA AT TENMILE CREEK, MT  
 USGS STATION NO. 12301830  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/06/06	13 00	0152	10.0			200			7.90		91
	13 30	0010	12.5			200			8.40		86
72/06/13	11 30	0181	10.1			175			8.00		97
	12 00	0010	13.4			175			8.30		85
72/06/20	13 30	0191	9.5			190			7.80		90
	13 45	0010	14.7			200			8.60		83
72/06/27	13 15	0190	9.0			195			7.90	1.7	93
	14 00	0010	12.5			195			7.50	1.3	85
72/07/05	12 30	0202	9.2			195			7.70		94
	12 45	0010	14.2			195			8.40		87
72/07/12	13 00	0205	9.0			175			7.50		92
	13 15	0010	15.1			180			8.50		86
72/07/19	14 15	0218	9.3			180			7.70		91
	14 30	0010	15.5			190			8.20		87
72/07/25	12 45	0220	9.0			178			8.10	1.0	88
	13 15	0010	15.5			188			8.40	0.8	85
72/08/01	11 15	0220	9.6			197			7.40		90
	11 30	0010	17.2			184			7.70		82
72/08/08	10 15	0221	9.5			186			7.60		90
	10 30	0010	18.0			186			8.50		82
72/08/15	10 30	0214	9.9			190			7.50		87
	10 45	0010	19.1			195			8.20		87
72/08/22	10 15	0210	10.0			195			7.70		80
	10 30	0010	20.3			195			8.50		80
72/08/29	10 15	0212	10.2			195			7.30	0.9	83
	10 30	0010	20.2			195			8.20	0.6	77
72/09/05	10 15	0214	10.7			190			7.70		80
	10 30	0010	19.2			195			8.80		78
72/09/11	10 00	0218	10.5			190			7.70		81
	10 15	0010	18.0			195			8.80		88
72/09/18	10 15	0214	11.0			200			7.70		82
	10 30	0010	17.0			145			8.40		78
72/09/26	10 15	0201	11.8			200			7.40	0.9	82
	10 30	0010	15.7			200			8.10	1.0	80
72/10/02	10 00	0188	13.0			230			7.20		80
	10 15	0010	14.8			205			7.90		80
72/10/10	09 45	0095	12.7						7.90		84
72/10/16	11 30	0165	10.2			245			7.50	1.1	98
	12 00	0010	13.0			220			8.00	1.1	84
72/10/24	10 15	0152	9.0			245			7.50		102
	10 45	0010	12.0			215			7.60		87
72/10/31	11 00	0128	8.5			240			7.50		98
	11 15	0010	10.7			210			7.50		89
72/11/06	10 15	0115	7.8			235			7.50		107
	10 30	0010	9.8			215			7.60		92
72/11/13	12 30	0098	6.0			250			7.60	1.1	124
	12 45	0010	7.2			225			7.70	1.2	109
72/11/21	10 15	0076	4.0			280			7.60		142
	10 30	0010	4.0			280			7.60		149
72/11/27	10 45	0059	3.0			280			7.50		138
	11 00	0010	2.5			280			7.50		138
73/03/14	13 00	0062	1.5			270			8.00	1.1	101
	13 30	0010	1.0			270			8.00	1.1	134
73/06/19	10 00	0177	7.8			195			7.70	0.6	91
	10 30	0010	12.7			210			8.60	0.9	92
73/06/27	12 30	0192	7.2			245			7.50		96
	13 00	0010	14.7			210			8.50		92
73/07/02	13 00	0198	8.0			195			7.70		94
	13 30	0010	14.0			205			8.70		92
73/07/09	13 30	0206	8.0			215			7.40		93
	14 00	0010	15.8			205			8.30		91
73/07/17	11 00	0210	8.1			200			7.40	0.6	92
	11 30	0010	19.2			205			8.30	0.8	90
73/07/23	13 30	0190	8.9			170			8.00		92
	14 00	0010	19.9			200			8.60		90
73/07/30	13 00	0204	8.9			190			7.50		88
	13 30	0010	20.4			210			8.30		90
73/08/06	13 00	0218	8.6			145			7.60		96
	13 30	0010	20.0			210			8.30		90
73/08/14	11 30	0218	8.8			185			7.30	0.1	92
	12 00	0010	20.8			205				1.4	
73/04/16	13 00	0045	7.0			270			8.00		134
	13 15	0010	8.0			305			8.70		134
	09 30	0050	7.1			320			8.50		115
73/04/25	10 00	0010	8.6			375			8.00	1.4	
	12 30	0057	7.2			285			8.10	1.2	124
73/04/30	12 45	0010	9.2			285			7.90		126
	13 15	0010	10.4			280			8.20		124
73/05/07	13 30	0062	8.1			275			8.30		120
						255			8.10		118

TABLE 31. LAKE KOOCANUSA AT TENMILE CREEK, MT  
 USGS STATION NO. 12301830  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 ATR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CNDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO -- SATUR PERCENT	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
73/05/14	12 45	0076	5.7			295			7.70		133
	13 00	0010	9.6			245			8.10		111
73/05/23	10 00	0110	6.2			285			7.60	0.4	121
	10 30	0010	12.8			240			8.20	0.7	101
73/05/29	13 15	0128	6.6			285			7.60		103
	13 30	0010	12.6			230			8.50		100
73/06/04	13 00	0143	8.0			190			8.00		90
	13 30	0010	12.8			225			8.60		97
73/06/11	13 30	0165	6.9			275			7.50		110
	14 00	0010	12.8			215			8.70		94
73/08/20	14 30	0216	8.6			185			7.30		90
	15 00	0010	18.8			210			8.20		92
73/08/28	13 00	0210	10.0						7.30		92
	13 30	0010	18.6						8.00		92
73/09/04	13 00	0205	10.0						7.50		89
	13 30	0010	18.0						8.00		94
73/09/14	10 00	0197	10.0			195			7.30	0.3	91
	10 30	0010	17.9			215			8.00	0.4	91
73/09/17	13 30	0197	10.2			190			7.20		89
	14 00	0010	17.0			200			8.00		91
73/09/24	13 00	0191	10.6			200			7.20		90
	13 30	0010	16.6			215			8.00		89

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301R30  
COE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHU	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
73/10/10	11 00	0182	11.2	2.5			220			7.20	93
	11 30	0010	14.7	2.5			225			7.90	92
73/10/16	13 30	0180	11.0	12.9			220			7.20	98
	14 00	0010	14.0	12.9			225			7.90	96
73/10/24	11 30	0178	11.2	10.0			250			7.70	106
	12 00	0010	13.4	10.0			230			7.80	98
73/10/29	13 30	0177	10.2	11.0			255			7.70	111
	14 00	0010	13.0	11.0			230			7.80	97
73/11/13	12 30	0010	10.4	6.5			235			7.90	100
	13 00	0170	9.2	6.5			235			8.00	100
73/11/29	10 30	0170	6.9	5.0			235			8.00	105
	11 00	0010	8.8	5.0			225			8.00	102
73/12/05	12 30	0170	5.8	1.5			230			8.00	103
	13 00	0010	8.2	1.5			230			8.00	100
73/12/19	13 00	0173	5.8	0.5			215	9.7		7.80	107
	13 30	0010	7.2	0.5			220	9.8		8.00	111
74/04/03	14 30	0118	2.7	6.0			265	11.7		8.20	124
	15 00	0010	2.6	6.0			260	11.9		8.30	122
74/04/10	13 30	0114	3.0	10.0			270	12.0		8.20	124
	14 00	0010	3.2	10.0			265	12.2		8.30	119
74/04/17	13 00	0116	4.1	9.5			275	11.9		8.40	120
	13 30	0010	4.1	9.5			260	12.7		8.20	120
74/04/25	10 30	0116	4.3	11.0			265	12.0		8.30	121
	11 00	0010	7.3	11.0			265	11.7		8.40	118
74/05/02	13 30	0117	5.8	13.5			245	10.2		8.20	122
	14 00	0010	9.0	13.5			235	10.6		8.30	113
74/05/08	13 30	0115	5.5	16.0			255	10.7		8.30	119
	14 00	0010	9.8	16.0			230	11.2		8.40	107
74/05/16	12 30	0133	5.8	9.0			245	9.8		8.00	111
	13 00	0010	9.2	9.0			220	11.0		8.30	95
74/05/23	10 00	0140	6.9	8.6			235	8.9		8.00	109
	10 30	0010	9.5	8.0			205	10.6		8.40	100
74/05/29	13 30	0147	6.3	15.0			230	6.8		8.00	108
	14 00	0010	11.5	15.0			210	11.2		8.60	130
74/06/13	10 00	0176	7.8			5	195	9.2		7.80	103
	10 30	0010	12.4			5	195	10.4		8.40	101

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301R30  
COE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHU	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
74/06/13	11 00	0005	12.7				200	10.2		8.50	97
	11 15	0001	12.8				200	10.2		8.50	97
74/06/27	12 30	0230	8.9			3	190	8.8		7.60	101
	13 00	0017	15.0				190	9.0		8.30	110
	13 15	0010	17.0			5	190	9.0		8.50	99
	13 45	0003	18.2				185	9.1		8.50	94
74/07/11	10 45	0250	3.2			7	180	7.8		8.00	87
	11 00	0010	14.8			7	170	9.0		8.50	86
	11 15	0005	14.9				170	8.8		8.50	86
	11 30	0000	14.9				170	8.8		8.50	86
74/07/25	11 30	0260	8.0			8	180	8.0		7.70	93
	12 00	0010	16.8			5	165	8.9		8.40	85
	13 00	0019	13.0				165	8.6		8.20	85
	13 30	0002	18.4				170	9.2		8.40	85
74/08/08	10 45	0260	8.8			20	180	7.0		7.80	94
	11 00	0025	16.9				165	8.3		8.20	85
	11 30	0010	19.5			3	175	8.5		8.50	85
	11 45	0001	19.6			4	175	8.3		8.50	91
74/08/22	13 00	0259	3.6			7	160	6.1		7.70	93
	13 30	0010	17.5			3	150	6.7		8.40	85
	14 00	0031	16.2				150	8.5		8.20	85
	14 30	0003	17.6				150	8.7		8.40	85
74/09/03	11 45	0262	8.7			8	180	4.9		7.50	98
	12 00	0010	17.0			3	170	8.4		8.00	89
	12 30	0035	15.9				165	8.1		7.90	88
	12 45	0001	17.2				170	8.2		8.00	88
74/09/19	11 30	0258	8.5			5	180	3.6		7.60	96
	12 00	0010	16.0			2	175	8.7		8.30	88
	13 00	0038	14.8				180	7.6		8.10	89
	13 15	0001	16.0				175	8.5		8.30	87
74/10/03	11 30	0255	8.5			10	185	2.8		7.60	95
	12 00	0010	14.0			10	175	9.1		8.20	89
	12 15	0025	14.9				175	9.0		8.20	87
	12 30	0001	14.0				175	9.4		8.20	87
74/10/15	13 00	0241	8.6			5	185	2.9		7.50	103
	13 15	0010	12.4			3	180	9.4		8.20	92

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301830  
CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
74/10/15	13 45	0034	12.4				180	9.3		8.20	90
	14 00	0003	12.3				180	9.4		8.20	90
74/10/29	10 45	0230	8.7			8	200	1.6		7.50	104
	11 15	0010	11.4			3	190	8.9		8.00	94
	11 30	0025	11.3				190	8.9		8.00	93
	11 45	0001	11.4				190	8.9		8.00	93
74/11/19	12 30	0214	9.4			3	195	8.9		7.60	100
	13 00	0010	9.6			3	190	8.7		8.10	97
	13 15	0016	9.6				190	8.7		8.10	93
	13 30	0000	9.6				190	8.7		8.10	93
75/04/16	12 45	0090	2.6			3	295	12.3		8.30	139
	13 15	0010	2.6			4	295	12.8		8.40	138
	13 30	0012	2.6				295	12.7		8.40	134
	14 00	0001	2.6				295	12.8		8.40	134
75/05/05	12 15	0085	4.4			4	370	11.2		8.30	139
	12 45	0010	7.2			4	375	10.8		8.30	135
	13 15	0005	7.2				375	10.8		8.30	133
	13 45	0001	7.2				375	10.6		8.30	132
75/05/21	12 15	0112	5.0			2	320	10.0		8.20	139
	12 30	0010	9.6			20	225	9.9		8.10	98
	13 00	0003	9.8				230	9.9		8.10	99
	13 15	0001	9.8				230	9.9		8.10	99
75/06/03	12 30	0132	5.2			0	315	10.4		8.20	135
	13 00	0010	10.6			9	225	10.2		8.30	96
	13 30	0005	12.0				235	10.6		8.40	93
	14 00	0001	12.0				235	10.6		8.40	92
75/06/24	12 30	0165	8.0			8	230	9.5		7.90	97
	12 45	0010	13.0			4	215	10.0		8.30	89
	13 00	0015	12.8				210	10.0		8.30	90
	13 15	0001	14.0				215	9.8		8.30	89
75/07/14	12 45	0210	8.0			10	245	8.5		8.10	88
	13 15	0010	18.0			7	225	8.8		8.40	80
	13 30	0020	14.6				215	8.9		8.40	84
	13 45	0002	20.0				225	8.2		8.40	86
75/07/28	12 30	0250	7.0			4	255	6.8		7.60	84
	13 00	0010	18.8			4	210	9.3		8.40	87

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301830  
CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
75/07/28	13 30	0030	15.2				205	8.8		8.10	79
	13 45	0020	19.0				210	9.2		8.40	83
75/08/11	12 30	0235	6.7			5	280	5.8		7.80	113
	13 00	0010	18.3			4	195	8.8		8.50	85
	13 30	0035	14.2				200	8.3		8.20	82
	14 00	0002	18.5				200	8.8		8.50	82
75/08/26	12 00	0248	6.9			15	275	5.4		7.50	109
	12 15	0010	17.2			5	205	8.8		8.40	85
	12 45	0030	17.0				205	9.0		8.20	84
	13 00	0001	17.4				205	9.0		8.40	83
75/09/09	11 30	0240	7.6			4	275	6.0		8.10	108
	12 00	0010	16.8			2	215	9.0		8.40	85
	12 15	0040	15.4				220	8.7		8.40	84
	12 30	0002	17.0				215	8.8		8.40	84
75/09/23	13 15	0239	8.1			3	250	5.6		8.00	87
	13 30	0010	16.0			2	215	9.0		8.20	83
	13 45	0020	16.0				215	8.9		8.20	84
	14 00	0001	16.0				215	9.0		8.20	85
75/10/06	11 30	0245	8.8			7	225	5.2		8.10	94
	12 00	0010	15.0			5	220	8.8		8.20	88
	13 00	0030	14.8				215	7.4		8.20	83
	13 15	0001	15.0				220	8.4		8.20	86
75/10/28	12 00	0232	9.2			5	220	6.9		8.30	91
	12 15	0010	12.0			5	220	8.9		8.20	90
	12 30	0030	12.0				215	8.8		8.20	88
	12 45	0001	12.0				220	8.9		8.20	87
76/04/12	13 00	0105	3.2	15.5		6	323	11.2		8.30	136
	13 30	0010	4.0	15.5		4	306	12.0		8.40	127
	14 00	0015	4.0	15.5			235	12.0		8.40	
	14 30	0002	4.0	15.5			235	12.0		8.40	
76/05/04	11 30	0127	4.5	8.0		6	315	11.0		8.10	130
	12 30	0010	7.3	8.0		9	282	10.7		8.20	116
	13 00	0005	7.5	8.0			225	10.7		8.20	
	13 30	0001	7.6	8.0			225	10.8		8.20	
76/05/24	12 00	0179	4.8			2	225	11.2		7.80	121
	12 30	0010	11.4			3	200	10.0		8.10	100

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301R30  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DP MG/L	00301 DP SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
76/05/24	12 45	0020	10.0				190	10.2		8.10	97
	13 00	0005	12.0				200	9.9		8.10	98
76/06/03	11 00	0187	4.8	12.0		2	235	10.4		8.00	122
	11 30	0010	11.0	12.0		3	200	10.7		8.40	99
	13 00	0005	11.2	12.0			200	10.7		8.40	
	13 30	0001	11.8	12.0			195	10.7		8.40	
76/06/21	11 30	0225	5.0			1	235	9.8		8.00	131
	12 30	0010	13.2			1	190	10.0		8.40	95
	13 00	0015	12.8				185	10.0		8.40	
	13 30	0001	13.2				190	10.0		8.40	
76/07/06	11 30	0250	5.1			3	225	9.4		8.20	124
	12 00	0010	15.8			4	185	10.3		8.80	94
	13 00	0025	13.4				185	10.3		8.60	
	13 30	0002	15.0				185	10.3		8.80	
76/07/29	12 30	0245	8.5			18	235	8.5		8.00	115
	13 00	0010	18.2			12	195	9.4		8.70	90
	13 30	0030	15.3				185	9.2		8.50	
	14 00	0001	18.4				195	9.2		8.70	
76/08/09	12 00	0248	7.2			18	220	8.2		8.00	107
	12 30	0010	17.9			8	185	9.1		8.60	88
	13 00	0040	15.3				185	8.7		8.40	
	13 30	0001	17.9				185	9.0		8.60	
76/08/30	12 30	0245	8.8			3	200	8.2		8.00	94
	13 00	0010	18.0			3	185	9.0		8.70	84
	13 30	0040	16.6				185	8.6		8.50	85
	14 00	0001	13.6				190	9.2		8.70	86
76/09/14	10 30	0245	8.8			5	190	7.3		8.00	92
	12 30	0010	16.4			2	185	9.0		8.60	82
	13 00	0040	15.8				185	8.2		8.40	83
	13 30	0001	16.8				185	9.0		8.60	78
76/09/27	10 30	0010	16.9			2	190	9.7		8.50	89
	11 00	0245	9.0			3	190	7.9		7.90	85
	13 00	0040	16.5				190	10.0		8.50	90
	13 30	0001	17.2				190	9.6		8.50	90
76/10/12	10 30	0010	14.9				190	8.8		8.50	93
	11 00	0230	10.1	13.0			190	7.5		8.00	94

TABLE 31 LAKE KOOCANUSA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301R30  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DP MG/L	00301 DP SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
76/10/12	12 30	0002	14.9				190	8.8		8.50	91
76/10/28	11 00	0010	13.0	5.0			190	8.7		8.40	91
	11 30	0001	13.0				190	8.8		8.40	92
	12 00	0040	13.0				190	8.8		8.30	
	13 00	0230								8.10	100
77/05/10	12 00	0170	4.1	10.0			230	12.5		8.00	111
	12 15	0010	3.6	10.0			225	11.6		8.50	109
	12 30	0001	9.0	10.0			225	11.6		8.50	105
	12 45	0030	7.2	10.0			245	11.9		8.50	108
77/05/23	12 00	0010	9.6	12.0			245	10.6		8.50	108
	13 00	0185	4.4	12.0			235	11.6		8.20	109
	13 30	0002	9.8	12.0			245	10.5		8.50	106
	14 00	0035	9.4				235	10.3		8.50	107
77/06/14	11 00	0010	14.2	21.0			245	10.3		8.50	105
	12 00	0206	5.4	21.0			245	10.3		8.10	112
	12 15	0002	15.0	21.0			240	10.0		8.50	97
	12 30	0025	13.6	21.0			245	10.3		8.50	97
77/06/27	11 30	0010	17.4	22.0			250	10.1		8.70	110
	12 30	0219	5.6	22.0			240	9.4		8.10	110
	13 00	0002	17.4	22.0			250	10.2		8.70	110
	13 30	0020	15.4				230	9.8		8.60	109
77/07/11	12 00	0010	17.3	25.0			225	9.9		8.60	98
	12 30	0214	5.9	25.0			235	9.8		7.90	112
	13 00	0002	17.4	25.0			235	9.8		8.60	100
	13 30	0040	16.1				225	10.2		8.60	100
77/07/25	11 30	0010	19.6	19.5			230	9.3		8.70	98
	12 00	0218	5.8	19.5			245	8.6		7.90	114
	12 30	0002	10.8	19.5			235	9.0		8.70	98
	13 00	0040	17.0				225	9.3		8.50	95
77/08/15	13 00	0214	6.1	23.0			245	9.9		7.80	94
	13 30	0010	19.1	23.0			220	9.0		8.60	94
	14 00	0002	19.1	23.0			220	9.0		8.60	94
	14 30	0035	19.0				220	9.0		8.60	94
77/08/29	11 30	0010	18.8	15.0			235	8.6		8.60	94
	12 00	0210	5.6	15.0			255	8.8		7.80	114
	12 30	0002	18.8	15.0			235	8.6		8.60	95

TABLE 31 LAKE KOOCANUISA AT TENMILE CREEK,  
MONTANA  
USGS STATION NO. 12301A30  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SUH	00410 T ALK CAC03 MG/L
77/08/29	13 00	0040	18.6				235	8.6		8.60	96
77/09/12	11 30	0010	17.6	14.0			235	8.6		8.80	96
	12 30	0210	6.0	14.0			250	8.2		7.90	112
	12 45	0040	17.2	14.0			235	8.6		8.70	96
	13 00	0002	17.8	14.0			230	8.6		8.80	97
77/09/28	12 30	0215	6.0	9.5			250	8.1		7.90	107
	13 00	0010	15.2	9.5			235	8.9		8.60	97
	13 30	0002	15.2	9.5			240	8.9		8.60	98
	14 00	0040	15.2	9.5			235	9.0		8.60	96
77/10/11	12 00	0010	13.4	6.5			235	9.0		8.50	98
	13 00	0207	6.0	6.5			250	7.8		7.90	110
	13 30	0002	13.4	6.5			235	9.0		8.50	98
	14 00	0050	13.3				235	8.9		8.50	100
77/10/25	11 00	0010	12.2	11.0			240	9.2		8.50	100
	13 00	0203	6.0	11.0			250	7.2		7.80	112
	13 30	0002	12.2	11.0			240	9.2		8.50	100
	14 00	0045	12.2				240	9.2		8.50	100
78/05/08	13 00	0158	4.4	15.0			312	10.5		8.10	126
	13 15	0010	7.8	15.0			285	11.3		8.20	111
	13 30	0002	8.2				285	11.3		8.10	111
	13 45	0025	7.6				285	11.2		8.20	111
78/05/25	11 30	0010	9.6	11.5			250	10.7		8.40	101
	12 00	0187	4.8	11.5			275	10.7		8.10	122
	12 30	0002	10.0	11.5			250	10.7		8.40	100
	13 00	0025	8.6				235	10.6		8.20	98
78/06/13	11 00	0010	13.6	14.5			190	10.2		8.60	100
	11 30	0220	4.9	14.5			275	11.2		8.10	120
	12 00	0002	14.0	14.5			240	10.2		8.70	96
	12 30	0025	12.0				225	10.2		8.50	96
78/06/27	11 00	0010	14.0	21.5			225	10.1		8.60	90
	11 30	0235	5.0	21.5			270	11.3		8.10	120
	12 00	0002	14.4	21.5			230	10.1		8.60	95
	12 30	0030	11.4				205	10.2		8.40	91
78/07/11	11 30	0010	16.0	16.5			225	9.1		8.50	93
	12 00	0250	5.0	16.5			270	10.7		8.00	120
	12 30	0002	17.2	16.5			190	9.2		8.50	93

TABLE 31 LAKE KOOCANUISA AT TENMILE CREEK,  
MONTANA  
130191  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SUH	00410 T ALK CAC03 MG/L
78/07/11	13 00	0040	12.6				200	9.5		8.30	87
78/07/24	10 30	0010	17.8	27.0			210	9.5		8.60	88
	11 00	0253	5.1	27.0			270	11.0		8.00	120
	11 30	0002	18.0	27.0			215	9.5		8.60	88
	12 00	0045	13.2				200	9.6		8.30	85
78/08/08	11 00	0010	20.9	28.0			215	9.0		8.70	90
	11 30	0258	5.1	28.0			270	10.5		8.00	120
	12 00	0002	21.9	28.0			210	9.0		8.70	87
	12 30	0050	13.1				200	9.2		8.20	84
78/08/29	11 30	0010	17.7	21.0			215	9.3		8.60	87
	12 00	0258	5.2	21.0			270	11.0		8.00	119
	12 30	0002	17.9	21.0			215	9.2		8.60	90
	13 00	0055	14.6				210	8.8		8.00	90
78/09/12	11 30	0010	17.2	18.5			205	9.0		8.40	86
	12 00	0255	5.2	18.5			265	10.3		7.80	120
	12 30	0002	17.2	18.5			205	9.0		8.40	88
	13 00	0055	13.7				210	8.8		7.80	91
78/09/26	10 30	0010	14.2	17.0			205	9.1		8.40	92
	11 00	0255	5.2	17.0			265	9.7		7.80	121
	11 30	0002	14.5	17.0			205	9.1		8.50	92
	12 00	0055	13.3	17.0			210	8.8		7.90	92
78/10/10	11 30	0010	14.0	11.5			195	9.2		8.40	92
	12 00	0251	5.3	11.5			260	8.2	12.0	7.90	120
	12 30	0002	14.0	11.5			195	9.3		8.40	93
	13 00	0050	13.8	11.5			200	9.1		8.30	92
78/10/23	11 30	0010	12.0	7.0			200	9.4		8.40	94
	12 00	0245	5.2	7.0			250	8.2		7.90	120
	12 30	0002	12.0	7.0			200	9.4		8.40	93
	13 00	0055	11.9	7.0			200	9.1		8.30	92

TABLE 32. LAKE KOOCANUSA BELOW PINKHAM CREEK, MT  
 USGS STATION NO. 12301610  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/06/07	14 00	0069	11.0			185			7.90		102
	14 30	0010	14.0			190			7.80		98
72/06/14	10 30	0122	10.1			170			8.00		91
	11 00	0010	10.2			170			8.00		90
72/06/21	09 15	0116	9.1			190			7.90		94
	09 30	0010	12.3			195			8.40		89
72/06/28	08 45	0131	9.8			195			7.30	1.1	89
	09 15	0010	12.1			190			7.70	1.0	88
72/07/06	08 45	0122	9.2			200			7.60		94
	09 00	0010	13.3			190			8.20		91
72/07/13	10 00	0161	9.6			180			8.10		90
	10 15	0010	15.5			185			8.70		86
72/07/19	08 00	0162	9.7			180			7.70		93
	08 15	0010	15.8			190			8.40		85
72/07/26	13 15	0125	10.4			187			7.50	0.6	87
	13 30	0010	15.0			186			8.10	0.4	84
72/08/02	08 45	0155	10.5			186			7.00		86
	09 00	0010	17.1			188			7.70		82
72/08/09	08 30	0155	10.6			192			7.60		89
	08 45	0010	19.0			190			8.10		83
72/08/16	09 45	0156	11.0			200			7.20		85
	10 00	0010	19.0			200			7.30		75
72/08/23	08 15	0153	11.0			205			7.80		82
	08 30	0010	19.2			200			8.50		77
72/08/30	10 15	0160	11.4			230			7.90	1.0	85
	10 30	0010	20.2			200			8.50	1.0	77
72/09/06	09 15	0162	12.2			205			7.80		85
	09 30	0010	18.0			210			8.70		80
72/09/12	09 15	0126	12.8			205			7.80		83
	09 30	0010	17.4			215			8.40		83
72/09/21	10 45	0125	13.2			245			8.00		93
	11 00	0010	16.0			215			8.30		85
72/09/27	10 45	0137	13.7			245			7.50	1.2	93
	11 00	0010	15.0			220			8.10	1.3	86
72/10/03	09 00	0111	9.4			245			7.90		108
	09 15	0010	13.8			225			8.00		94
72/10/18	11 00	0092	8.2			255			7.80	1.3	103
	11 30	0010	11.2			225			8.00	1.1	89
72/10/25	09 15	0077	7.0			255			7.70		105
	09 45	0010	8.8			240			7.80		96
72/11/01	09 30	0060	6.3			255			7.50		108
	09 45	0010	6.7			240			7.50		104
72/11/15	10 30	0026	3.2			280			7.70	2.0	139
	10 45	0010	3.2			285			7.70	1.7	139
72/11/22	09 00	0001	2.0			315			7.70		136
72/11/28	09 00	0001	0.0			350			7.70		177
72/12/07	10 00	0001	0.0						7.80		154
72/12/15	14 00	0001	0.0			390			7.80		159
72/12/20	10 00	0001	0.0			350			7.80	1.4	143
72/12/29	13 00	0001	0.0			340			7.60		134
73/01/04	13 00	0001	0.0			365			7.80		144
73/01/11	13 00	0001	0.0			380			7.80		152
73/01/17	13 00	0001	0.0			380			7.70	1.0	148
73/01/26	14 00	0001	0.5			365			7.70		133
73/02/02	14 00	0001	0.0			370			7.70		131
73/02/08	10 00	0001	0.0			375			7.70		140
73/02/15	12 30	0001	0.0			345			7.60		131
73/02/22	10 00	0001	0.0			360			7.20	1.4	133
73/03/02	14 00	0001	1.5			380			7.70		131
73/03/08	09 30	0001	1.0			350			8.10		123
73/03/16	10 30	0001	3.5			330			8.20		134
73/03/22	11 00	0001	5.0			350			8.30		136
73/03/30	09 30	0001	5.0			365			8.20	1.7	136
73/04/05	09 30	0001	7.5			345			8.30		135
73/04/13	09 30	0001	8.0			360			7.80		129
73/04/20	08 30	0001	7.5			325			8.30		134
73/04/26	09 00	0001	8.0			285			8.10	0.8	118
73/05/04	11 00	0001	8.0			260			8.00		110
73/05/10	12 00	0001	8.0			250			8.00		108
73/05/17	12 00	0001	10.0			205			8.00		112
73/05/22	10 00	0045	7.2			170			8.00	1.1	89
	10 30	0010	7.2			170			8.00	0.7	89
73/05/30	10 30	0069	7.1			175			7.90		85
	11 00	0010	9.4			175			8.00		87
73/06/05	12 00	0089	9.1			190			7.90		94
	12 30	0010	11.0			205			8.20		94
73/06/12	08 00	0105	9.1			165			8.10		84
	08 30	0010	12.5			200			8.70		92
73/06/20	10 00	0120	10.0			190			8.20	0.3	89
	10 30	0010	12.2			200			8.60	1.0	88
73/06/28	08 00	0133	9.6			145			8.00		91
	08 30	0100	14.0			205			8.60		94
73/07/03	08 00	0138	9.7			175			7.90		87
	08 30	0010	14.8			185			8.50		87

TABLE 32. LAKE KOOCANUSA BELOW PINKHAM CREEK, MT  
 USGS STATION NO. 12301610  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO3 MG/L
73/07/10	08 30	0145	9.6			185			7.60		78
	09 00	0010	15.1			205			8.30		88
73/07/19	11 00	0121	9.9			190			7.60	0.4	85
	11 30	0010	19.8			200			7.90	0.7	84
73/07/24	08 00	0151	10.0			140			7.60		91
	08 30	0010	18.2			210			8.10		93
73/07/31	08 00	0155	10.1			175			7.50		88
	08 30	0010	19.8			190			8.20		91
73/08/07	08 00	0158	10.2			190			7.60		87
	08 30	0010	18.8			210			8.10		92
73/08/16	11 00	0160	10.5			195			7.60	0.4	89
	11 30	0010	19.1			215			8.10	2.2	90
73/08/21	08 30	0158	10.2						7.20		91
	09 00	0010	18.5						7.80		89
73/08/29	08 30	0150	11.0						7.40		90
	09 00	0010	17.9						7.90		93
73/09/05	08 00	0145	11.0						7.30		89
	08 30	0010	17.7						8.00		96
73/09/10	11 00	0145	12.5						7.50	0.3	90
	11 30	0010	18.0						7.90	0.4	95
73/09/18	09 00	0135	12.0			210			7.20		94
	09 30	0010	17.0			230			7.90		98
73/09/25	08 30	0132	13.2			260			7.70		107
	09 00	0010	15.9			235			7.90		98

TABLE 32 LAKE KOOCANUSA BELOW PINKHAM CREEK  
 MONTANA  
 USGS STATION NO. 12301600  
 COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
73/10/15	12 30	0119	11.3				255			7.80	108
	13 00	0010	12.9				235			7.90	102
73/10/23	12 30	0115	9.2				265			7.70	113
	13 00	0010	12.9				230			8.00	99
73/10/30	08 30	0115	10.2				255			7.80	107
	09 00	0010	11.4				235			7.90	102
73/11/12	12 30	0112	6.0				245			7.90	106
	13 00	0010	8.4				235			7.90	104
73/11/27	12 30	0001	7.0				255			7.80	102
73/11/30	10 30	0110	4.8				225			8.00	100
	11 00	0010	7.0				225			8.00	100
73/12/04	12 30	0110	4.8	2.5			225			8.00	104
	13 00	0010	6.4	2.5			230			8.00	100
73/12/12	10 30	0001	6.0	3.5			240	10.0		8.20	103
73/12/20	13 00	0001	4.0	0.5			245	10.0		8.10	104
73/12/27	15 15	0001	4.0				290	11.1		8.20	106
74/01/04	12 30	0001	1.5	12.0-				11.2		8.10	111
74/01/10	10 30	0001	2.0	13.5-			275	11.7		8.20	114
74/01/17	13 00	0001	3.0	4.0			265	11.1		8.10	110
74/01/24	15 00	0001	2.5	7.0			265	11.5		8.20	108
74/01/31	14 00	0001	1.5	3.0-			280	11.5		8.20	111
74/02/05	15 00	0001	2.0	6.0			290	11.4		8.20	118
74/02/13	11 00	0001	1.0	1.0			280	11.6		8.20	119
74/02/21	14 00	0001	0.5	1.0-			280	12.0		8.10	119
74/02/26	13 00	0001	1.5	5.0			295	11.6		8.10	124
74/03/07	14 30	0001	1.0	0.0			290	11.7		8.00	121
74/03/14	13 30	0001	2.5	4.0			295	11.8		8.00	123
74/03/21	11 30	0001	2.4	1.0			310	10.7		8.20	126
74/03/29	10 00	0001	4.5	7.0			300	11.8		8.10	124
74/04/04	15 00	0001	5.0	9.0			305	12.6		8.10	137
74/04/11	11 00	0001	7.0	9.5			310	12.8		8.60	132
74/04/18	11 30	0001	9.5	13.0			305	12.0		8.80	128
74/04/24	11 00	0052	7.8	17.0			265	10.3		8.40	124
	11 30	0010	8.8	17.0			265	10.4		8.40	122
74/05/03	10 00	0010	7.8	12.5			210	10.7		8.30	117
	10 30	0057	7.8	12.5			210	10.6		8.30	115



TABLE 32 LAKE KOOCANUSA BELOW PINKHAM CREEK  
MONTANA  
USGS STATION NO. 12301600  
CUE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
74/05/09	10 00	0060	8.9	9.5			190	10.3		8.10	100
	10 30	0010	8.0	9.5			200	10.4		8.20	104
74/05/17	09 30	0072	7.2	7.0			200	10.8		8.20	104
	10 00	0010	7.4	7.0			195	10.8		8.10	105
74/05/22	10 30	0076	7.5	15.0			210	10.6		8.20	113
	11 00	0010	7.6	15.0			210	10.6		8.20	111
74/05/30	10 00	0090	9.2	7.5			185	10.7		8.30	99
	10 30	0010	10.5	7.5			215	10.4		8.40	106
74/06/11	11 15	0113	8.8			7	214	10.5		8.30	96
	12 45	0010	10.5			20	216	10.0		8.30	95
	13 15	0005	10.7							8.30	94
	13 30	0001	10.7							8.30	94
74/07/10	10 15	0195	9.3				165	9.2		7.90	91
	10 45	0010	14.3			10	170	9.0		8.20	87
	11 00	0004	14.9				170	8.9		8.20	86
	11 15	0000	15.0				170	8.9		8.20	86
74/07/24	11 30	0201	10.0			20	160	8.8		7.80	89
	11 45	0010	17.4			4	175	8.9		8.40	86
	13 15	0017	16.4				165	9.2		8.40	86
	13 30	0003	17.8				175	8.9		8.40	86
74/08/07	10 30	0203	10.0			7	160	8.5		8.20	88
	10 45	0026	17.6				170	8.9		8.40	85
	11 00	0010	18.8			1	170	8.7		8.40	87
	11 15	0001	19.0				170	8.7		8.50	86
74/08/21	11 30	0208	10.2			7	140	8.0		8.10	87
	12 00	0010	16.6			3	150	6.4		8.30	87
	12 15	0035	16.0				150	6.2		8.30	87
	12 30	0003	16.7				150	8.4		8.30	87
74/09/05	11 00	0202	10.2			8	160	7.4		7.80	88
	11 15	0010	17.2			2	175	8.5		8.10	87
	11 30	0035	17.0				170	8.1		8.00	88
	11 45	0001	17.5				175	8.2		8.10	88
74/09/18	11 00	0196	10.1			5	160	7.3		8.00	90
	11 30	0010	15.8			2	175	8.8		8.30	88
	11 45	0034	15.5				175	8.6		8.30	88
	12 00	0001	15.9				175	8.8		8.30	88

TABLE 32 LAKE KOOCANUSA BELOW PINKHAM CREEK  
MONTANA  
USGS STATION NO. 12301600  
CUE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CU UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
74/10/01	11 30	0194	10.2			5	170	7.1		7.80	92
	11 45	0010	14.0			10	180	8.7		8.10	94
	12 00	0025	14.0				180	8.7		8.10	93
	12 15	0001	13.9				180	8.9		8.10	91
74/10/16	12 45	0185	10.2			5	175	6.7		7.80	92
	13 30	0010	12.0			3	195	8.4		8.00	101
	13 45	0019	12.0				195	8.6		8.00	94
	14 00	0003	12.0				195	8.5		8.00	94
74/10/30	12 15	0167	10.5			3	235	7.8		7.90	112
	12 30	0010	11.4			3	210	8.9		8.00	101
	12 45	0025	11.2				210	8.7		7.90	100
	13 00	0001	11.4			3	210	9.0		8.00	98
74/12/03	15 00	0001	8.0			3	238	10.1		8.00	106
74/12/16	11 00	0001	7.9			5	234	10.5		8.20	103
75/01/02	13 00	0001	4.5			5	252	11.2		8.00	108
75/01/15	10 30	0001	2.0			3	252	11.8		7.80	112
75/01/28	12 00	0001	2.0			0	280	11.8		7.80	119
75/04/02	09 30	0001	2.5			3	371	11.5		7.80	144
75/05/07	12 30	0033	7.4			15	345	10.0		8.20	123
	13 00	0010	7.0			15	350	10.0		8.30	124
	13 30	0002	7.6				350	10.0		8.30	129
	14 00	0000	7.6				350	10.0		8.30	129
75/05/22	11 00	0055	7.1			20	200	10.5		8.20	92
	11 30	0010	7.8			20	200	10.6		8.20	92
	11 45	0003	7.4				200	10.6		8.20	95
	12 00	0001	7.4				200	10.6		8.20	95
75/06/05	10 30	0195	9.4			3	195	10.3		8.20	89
	11 00	0010	10.0			5	210	10.4		8.20	92
	11 30	0004	10.2				215	10.4		8.20	89
	12 00	0001	10.2				215	10.4		8.20	91
75/06/26	10 45	0137	9.5			20	190	10.3		8.00	80
	11 00	0010	11.8			15	200	9.9		8.00	83
	11 15	0005	11.9				200	9.9		8.00	81
	11 30	0001	11.9				200	9.8		8.00	81
75/07/15	13 00	0168	9.2			10	190	10.1		8.30	82
	13 15	0010	18.0			8	210	9.3		8.30	81

TABLE 32 LAKE KOOCANUSA BELOW PINKHAM CREEK  
MONTANA  
USGS STATION NO. 12301600  
CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHU	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
75/07/15	13 30	0020	16.3				205	9.1		8.30	83
	13 45	0001	18.3				205	9.3		8.30	83
75/07/30	12 30	0180	9.0				200	8.6		7.90	84
	13 00	0010	18.8			10	205	9.0		8.50	83
	13 30	0020	18.4			5	200	9.0		8.40	82
	13 45	0002	19.0				205	9.2		8.50	77
75/08/14	13 00	0186	9.5			5	205	7.8		7.80	94
	13 30	0010	20.0			4	200	8.6		8.30	88
	14 00	0040	16.6				210	8.3		8.20	89
	14 30	0001	20.0				200	8.5		8.40	87
75/08/28	10 45	0200	9.1			4	210	7.4		7.80	89
	11 00	0010	17.5			5	215	8.5		8.20	90
	11 15	0030	16.9				220	8.3		8.10	84
	11 30	0001	17.5				215	8.5		8.20	84
75/09/11	13 00	0195	9.4			5	215	7.7		7.90	87
	13 15	0010	16.8			2	225	9.5		8.10	89
	13 30	0035	15.8				230	8.8		8.00	88
	13 45	0001	17.0				225	9.6		8.10	84
75/09/25	10 45	0202	10.0			2	200	7.4		8.30	84
	11 00	0010	15.1			0	220	9.0		8.20	90
	11 15	0020	15.0				220	9.0		8.30	86
	11 30	0001	15.1				220	9.0		8.20	86
75/10/07	11 00	0190	10.0			4	210	7.0		8.20	89
	11 30	0010	14.4			4	225	9.0		8.20	90
	11 45	0030	14.4				225	8.9		8.20	85
	12 00	0001	14.4				225	9.0		8.20	86
75/10/30	10 15	0184	11.0			2	240	7.8		8.30	100
	10 30	0010	11.3			5	235	8.7		8.20	95
	10 45	0025	11.3				235	8.6		8.20	92
	11 00	0001	11.3				235	8.7		8.20	92
75/12/08	11 00	0001	7.0	9.0		7	225	10.8		8.20	97
75/12/23	10 00	0001	5.5	3.0		1	231	10.9	93.0	8.30	96
76/01/06	11 00	0001	3.0	0.5		4	248	12.0	98.0	8.30	107
76/01/20	10 30	0001	2.0	4.0-		4	252	12.0	95.0	8.00	107
76/02/03	10 30	0001	1.0	2.0-		6	280	11.7	90.0	8.20	118
76/03/19	11 00	0001	2.5	5.5		10	350	11.6	93.0	8.30	142

TABLE 32 LAKE KOOCANUSA BELOW PINKHAM CREEK  
MONTANA  
130191  
CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHU	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
76/03/31	10 30	0001	3.0	6.0		7	330	11.6	94.0	8.30	140
76/05/05	11 30	0056	7.2	10.5		5	268	10.8		8.30	117
	12 30	0010	8.4	10.5		0	287	10.6		8.40	122
	13 00	0005	8.4	10.5			235	10.6		8.40	
	13 30	0001	8.4	10.5			235	10.6		8.40	
76/05/26	11 15	0119	8.0			2	165	10.9		8.20	97
	11 45	0010	9.6			3	170	10.1		8.20	90
	13 00	0005	9.7				170	10.1		8.20	87
	13 15	0001	9.7				170	10.1		8.20	87
76/06/24	10 30	0185	7.0			1	200	9.8		8.10	103
	11 00	0010	11.1			1	180	10.0		8.40	89
	11 30	0018	11.0				180	10.0		8.40	
	12 00	0001	11.1				180	10.0		8.40	
76/07/07	11 30	0198	7.0			7	246	9.2		8.30	108
	12 00	0010	13.6			4	175	10.8		8.70	92
	12 30	0015	13.0				180	10.8		8.70	
	13 00	0001	15.6				185	10.8		8.80	

TABLE 33. LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT  
 USGS STATION NO. 12300110  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO — MG/L	00301 DO SATUR PERCENT	00400 PH — SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/06/14	13 00	0055	8.9			175			8.20		101
	13 30	0010	9.1			175			8.10		103
72/06/21	11 15	0063	9.9			195			7.60		89
	11 30	0010	10.2			200			8.20		89
72/06/28	11 30	0066	9.8			140			8.10	2.3	93
	12 00	0010	11.6			200			8.40	1.3	94
72/07/06	11 15	0070	10.0			200			7.70		99
	11 30	0010	14.0			195			8.10		87
72/07/13	12 30	0082	11.2			175			7.40		89
	12 45	0010	15.5			190			7.90		89
72/07/19	11 15	0085	11.6			180			7.90		86
	11 30	0010	13.9			185			8.10		83
72/07/27	10 00	0085	12.0			200			7.40	1.5	88
	10 15	0010	16.5			188			7.50	1.7	82
72/08/02	11 00	0080	15.8			191			8.20		91
	11 15	0010	19.5			191			8.20		86
72/08/09	10 45	0082	14.9			207			8.10		91
	11 00	0010	20.5			193			8.80		89
72/08/16	12 30	0083	13.5			210			7.60		89
	12 45	0010	20.8			200			8.10		84
72/08/23	11 00	0085	15.8			230			8.00		79
	11 15	0010	20.0			200			8.50		77
72/08/31	10 15	0082	15.4			210			7.90	1.6	82
	10 30	0010	20.9			200			8.40	1.7	77
72/09/06	11 15	0080	15.2			240			8.20		87
	11 30	0010	19.2			205			8.60		80
72/09/12	11 15	0081	15.0			245			8.20		91
	11 30	0010	17.7			215			8.30		82
72/09/21	12 45	0064	15.2			225			8.30		98
	13 00	0010	16.0			225			8.50		86
72/09/28	10 30	0069	10.0			240			8.20	1.7	88
	10 45	0010	13.9			200			8.30	2.0	88
72/10/03	11 00	0059	8.0			250			8.00		117
	11 15	0010	14.0			215			8.20		98
72/10/19	11 00	0023	5.7			260			7.60	1.6	104
	11 30	0010	8.9			235			7.80	2.1	100
72/10/25	12 00	0010	5.2			270			7.90		107
72/11/01	11 30	0010	2.5						8.10		116
72/11/07	10 00	0010	4.5			315			7.70		115
72/11/15	16 30	0001	2.5			340			7.70	2.1	125
73/05/10	10 15	0001	8.0			260			8.10		108
73/05/17	10 00	0001	9.5			205			8.00		109
73/05/22	12 30	0001	8.5			225			7.60	0.5	87
73/05/30	07 00	0001	9.0			245			8.10		100
73/06/05	09 30	0021	9.2			205			8.30		95
	10 00	0010	9.2			205			8.30		98
73/06/12	10 00	0040	8.2			165			8.20		86
	10 30	0010	8.3			165			8.20		88
73/06/21	10 30	0053	9.8			145			8.00	0.4	89
	11 00	0010	11.8			200			8.10	1.1	89
73/06/28	10 30	0064	11.0			165			8.00		86
	11 00	0010	14.1			195			8.10		89
73/07/03	10 00	0077	12.0			180			8.10		83
	10 30	0010	15.5			205			8.30		90
73/07/10	11 00	0083	12.8			205			7.80		89
	11 30	0010	16.0			205			8.10		88
73/07/18	11 00	0085	11.0			190			7.50	0.5	88
	11 30	0010	19.0			210			7.90	0.8	92
73/07/24	10 00	0086	12.1			200			7.60		92
	10 30	0010	19.0			210			8.00		90
73/07/31	10 30	0091	11.8			175			7.60		87
	11 00	0010	19.1			140			8.10		91
73/08/07	10 00	0092	12.2			200			7.60		92
	10 30	0010	20.2			210			8.00		92
73/08/15	11 00	0095	13.0			205			7.60	0.6	92
	11 30	0010	21.0			220			8.10	0.9	91
73/08/21	11 30	0094	13.0						7.30		102
	12 00	0010	18.3						7.90		97
73/08/29	10 00	0090	17.0						7.70		108
	10 30	0010	18.8						8.00		99
73/09/05	10 00	0082	15.5						7.60		109
	10 30	0010	18.2						7.90		97
73/09/12	10 00	0077	16.1			265			7.80	0.5	108
	10 30	0010	18.7			225			8.00	0.6	98
73/09/18	11 00	0071	12.8			270			7.80		110
	11 30	0010	16.9			235			7.90		99
73/09/25	10 30	0066	12.8			275			7.80		108
	11 00	0010	15.8			235			7.90		99

TABLE 33 LAKE KUOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
USGS STATION NO. 12300110  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
73/10/15	14 00	0056	10.1				250			7.90	106
	14 30	0010	11.9				245			7.90	106
73/10/23	14 30	0052	8.2				280			7.80	113
	15 00	0010	11.6				250			8.00	105
73/10/30	10 30	0051	8.0				255			7.80	108
	11 00	0010	10.0				240			7.90	105
73/11/12	15 00	0010	4.0				245			7.90	106
	15 30	0045	3.6				245			7.90	109
73/12/04	14 00	0047	2.8	3.0			240			8.00	117
	14 30	0010	1.0	3.0			255			8.00	117
74/05/24	10 00	0001	9.0				255	10.4		8.20	112
74/06/12	10 00	0049	10.0			10	202	10.4		8.20	90
	10 30	0010	10.5			20	203	10.3		8.20	91
	10 45	0004	11.1				180	10.2		8.20	94
74/06/25	11 00	0001	15.9				185	10.3		8.50	94
	12 15	0096	10.5			8	178	9.7		8.60	88
	12 45	0010	13.7			30	178	9.4		8.20	84
	13 30	0005	18.8				165	9.4		8.40	89
	14 00	0001	20.8				170	8.8		8.60	89
74/07/09	10 45	0108	10.9			5	160	9.4		8.00	87
	11 00	0010	15.5			7	170	8.3		8.10	86
	11 30	0003	16.0				170	8.8		8.10	86
	11 45	0000	16.1				170	8.8		8.10	86
74/07/23	12 30	0102	11.2			4	160	9.7		8.00	87
	13 00	0010	18.0			3	170	9.1		8.40	88
	13 30	0005	18.8				170	8.8		8.40	84
	14 00	0001	19.4				170	9.4		8.40	84
74/08/06	10 00	0106	11.4			4	165	8.9		8.00	86
	10 30	0026	17.1				170	8.2		8.20	85
	10 45	0010	20.3			4	170	8.2		8.30	89
	11 00	0002	20.6				175	8.2		8.30	87
74/08/20	12 00	0119	11.6			2	130	8.0		8.20	92
	12 30	0010	17.2			2	135	8.3		8.40	85
	13 00	0031	16.4				135	7.9		8.20	87
	13 30	0002	17.4				135	8.1		8.40	87
74/09/04	11 30	0112	11.2			3	165	8.3		7.80	87

TABLE 33 LAKE KUOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
USGS STATION NO. 12300110  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJ JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
74/09/04	11 45	0010	17.7			2	175	8.4		7.90	87
	12 00	0035	15.0				180	7.8		7.60	89
	12 15	0001	17.9				175	8.3		7.90	87
74/09/17	11 00	0122	11.2			3	170	7.8		8.00	90
	11 15	0010	16.4			2	180	8.7		8.30	90
	11 45	0035	15.9				180	7.8		8.10	90
	12 00	0001	16.7				180	8.6		8.30	90
74/10/02	10 45	0119	11.0			5	170	6.5		7.90	107
	11 15	0010	14.4			3	185	8.4		8.20	94
	11 30	0020	14.4				185	8.3		8.20	93
	11 45	0001	14.4				185	8.7		8.20	93
74/10/17	11 30	0104	11.0			4	225	8.4		8.00	110
	12 00	0010	12.6			3	195	9.1		8.10	98
	13 00	0025	12.6				195	9.0		8.00	97
	13 15	0003	12.6				195	9.1		8.10	97
74/10/31	10 45	0094	9.5			8	235	8.6		7.90	113
	11 00	0010	11.1			0	210	8.8		8.00	102
	11 15	0025	11.1				210	8.8		8.00	98
	11 30	0001	11.1				210	8.8		8.00	96
75/06/06	10 30	0026	8.2			10	175	10.9		8.20	81
	11 00	0010	8.2			15	175	10.9		8.20	82
	11 30	0002	8.8				170	11.0		8.20	93
	12 00	0001	9.0				170	11.0		8.20	96
75/06/27	11 15	0070	10.9			15	190	10.2		8.10	80
	11 30	0010	12.0			15	195	10.0		8.10	80
	11 45	0005	12.0				195	10.0		8.10	79
	12 00	0001	12.0				195	10.0		8.10	79
75/07/17	11 00	0060	14.2			7	200	9.5		8.10	83
	11 15	0010	18.2			5	205	8.9		8.20	84
	11 30	0015	18.0				205	8.9		8.20	81
	11 45	0002	18.8				205	8.8		8.20	82
75/07/31	10 00	0095	10.0			8	195	9.1		8.10	87
	10 30	0010	19.8			8	200	8.6		8.50	86
	11 00	0025	18.8				200	8.6		8.40	83
	11 30	0002	19.8				200	8.6		8.50	82
75/08/15	10 00	0099	11.0			6	190	8.2		7.70	83

TABLE 33 LAKE KUOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
USGS STATION NO. 12300110  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
75/08/15	10 30	0010	19.0			4	180	8.6		8.30	86
	11 00	0035	15.8				185	8.3		8.00	89
	11 30	0001	19.1				205	8.5		8.30	83
75/08/27	11 00	0103	10.6				200	8.0		8.00	85
	11 15	0010	18.0			10	220	8.6		8.20	88
	11 30	0030	17.4				225	8.6		8.20	84
	11 45	0001	18.0				220	8.6		8.20	85
75/09/12	11 00	0094	11.3			3	210	8.0		8.20	89
	11 15	0010	16.8			2	225	9.0		8.30	86
	11 30	0035	16.3				225	8.6		8.30	89
	12 00	0001	16.8				225	9.0		8.30	86
75/09/26	11 00	0097	13.0			1	255	7.9		8.30	94
	11 15	0010	15.4			1	230	9.0		8.30	92
	11 30	0020	15.4				225	8.8		8.40	87
	11 45	0001	15.6				230	9.1		8.30	87
75/10/08	11 00	0085	14.0			2	240	8.7		8.40	98
	11 30	0010	14.4			1	235	9.0		8.20	94
	11 45	0030	14.4				230	8.9		8.20	91
	12 00	0001	14.4				235	9.0		8.20	93
75/10/29	09 45	0091	11.0			2	230	9.2		8.40	98
	10 00	0010	11.2			2	230	9.2		8.30	97
	10 15	0025	11.2				230	9.2		8.30	94
	10 30	0001	11.2				230	9.2		8.30	94
76/06/25	10 30	0075	10.8			1	165	9.8		8.40	89
	11 00	0010	12.4			1	180	9.6		8.40	87
	11 30	0020	12.4				175	9.6		8.40	
	12 00	0001	12.4				180	9.6		8.40	
76/07/08	10 30	0085	10.4			3	165	9.8		8.60	88
	11 00	0010	17.8			3	180	10.7		8.90	93
	11 30	0015	13.9				175	10.5		8.90	
	12 00	0001	17.8				155	10.7		8.90	
76/07/28	13 00	0095	11.4			7	175	9.2		8.20	84
	13 30	0010	18.4			8	195	9.1		8.70	91
	14 00	0030	18.0				190	8.6		8.60	85
	14 30	0001	19.6				195	8.8		8.60	84
76/08/10	11 00	0100	13.4			17	185	8.4		8.30	84

TABLE 33 LAKE KUOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
USGS STATION NO. 12300110  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
76/08/10	11 30	0010	18.8				180	8.7		8.60	87
	12 30	0025	18.3				190	8.7		8.60	
	13 00	0001	18.8				190	8.7		8.60	
76/09/02	10 30	0010	17.5			4	190	8.8		8.40	91
	12 30	0093	14.0			3	195	8.5		8.20	94
	13 00	0025	17.2				190	8.5		8.40	91
	13 30	0001	17.6				190	8.8		8.40	89
76/09/15	11 00	0099	14.0			3	200	8.4		8.10	89
	12 00	0010	16.8			3	185	8.5		8.30	83
	13 00	0040	16.4				185	8.5		8.30	87
	13 30	0001	16.8				185	8.5		8.30	88
76/09/28	10 00	0010	16.8			2	190	9.0		8.50	91
	10 30	0117	13.0			2	175	8.5		8.20	103
	11 00	0040	16.2				195	8.4		8.30	86
	11 30	0001	16.8				190	9.1		8.50	86
76/10/13	10 30	0010	15.0	9.5			195	8.8		8.40	94
	11 00	0092	14.8				195	8.8		8.40	95
	11 30	0002	15.0				195	8.8		8.40	94
	12 00	0035	15.0				195	9.0		8.40	
76/10/27	11 00	0010	13.0	10.0			200	9.4		8.40	91
	11 30	0002	12.9				200	9.5		8.40	93
	12 00	0025	12.9				200	9.5		8.40	
	12 30	0085	12.5				200	9.6		8.40	94
77/06/28	11 00	0010	18.6	24.0			210	9.4		8.60	90
	11 30	0093	10.5	24.0			215	9.3		8.00	90
	12 00	0002	18.8	24.0			210	9.5		8.60	90
	12 30	0025	18.1				210	9.5		8.50	92
77/07/12	11 00	0010	18.0	20.0			210	9.2		8.60	90
	11 30	0083	10.3	20.0			220	8.6		8.00	100
	12 00	0002	18.2	20.0			210	9.2		8.60	90
	12 30	0035	17.0				215	9.2		8.50	92
77/07/26	11 30	0010	20.3	22.5			220	9.0		8.60	94
	12 00	0083	10.3	22.5			225	7.4		7.90	102
	12 30	0002	20.4	22.5			225	8.8		8.60	93
	13 00	0040	17.2				230	8.4		8.40	93
77/08/18	11 30	0080	11.9	23.0			235	6.6		7.70	100

TABLE 33 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
USGS STATION NO. 12300110  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
77/08/18	12 00	0010	19.6	22.0			240	8.9		8.50	98
	12 30	0002	20.4	22.0			235	8.6		8.50	98
	13 00	0030	17.5				250	8.2		8.30	99
77/08/30	11 00	0020	18.4	13.0			240	8.4		8.60	100
	12 30	0092	15.4	16.5			255	8.2		8.20	110
	13 00	0002	18.4	16.5			240	8.5		8.60	100
	13 30	0085	16.0				255	8.3		8.30	103
	14 00	0010	18.4	16.0			240	8.5		8.60	100
77/09/13	11 00	0010	17.2	15.5			245	8.9		8.70	100
	11 30	0084	10.4	15.5			245	6.0		7.90	104
	11 45	0040	17.0				245	8.8		8.60	100
	12 00	0002	17.2	15.5			245	8.8		8.70	100
77/09/29	10 30	0010	15.0	9.0			245	9.0		8.60	100
	11 00	0083	12.6	9.0			260	9.8		8.60	110
	11 30	0002	15.0	9.0			245	9.0		8.60	101
	12 00	0035	15.0				245	9.0		8.60	101
78/06/29	10 30	0010	16.3	23.0			215	9.1		8.40	90
	11 00	0115	9.8	23.0			215	9.8		8.20	90
	11 30	0002	16.8	23.0			220	9.1		8.40	82
	12 00	0040	14.0				200	9.7		8.30	96
78/07/13	10 30	0010	17.2	20.0			220	9.0		8.40	89
	11 00	0125	8.8	20.0			220	9.7		8.10	94
	11 30	0002	17.8				215	9.0		8.40	89
	12 00	0035	15.3				200	9.2		8.20	86
78/07/27	10 30	0010	19.7	24.0			210	8.8		8.50	89
	11 30	0130	9.3	24.0			215	9.0		8.00	100
	12 00	0002	20.1	24.0			210	8.8		8.50	88
	12 30	0050	15.3				200	8.5		8.10	86
78/08/10	10 00	0010	21.7	22.0			215	8.9		8.60	87
	10 30	0128	9.2	22.0			225	9.2		8.00	97
	11 00	0002	22.4	22.0			210	8.6		8.60	89
	11 30	0045	16.3	22.0			235	8.1		8.00	93
78/08/31	10 30	0010	18.2	18.5			220	8.6		8.50	90
	11 00	0127	9.3	18.5			225	9.0		8.00	97
	11 30	0002	18.4	18.5			225	8.7		8.50	90
	12 00	0060	14.5				250	7.4		8.10	96

TABLE 33 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY  
MONTANA  
130191  
COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
78/09/14	10 30	0010	16.0	17.5			215	8.5		8.50	90
	11 00	0127	9.0	17.5			210	8.2		7.90	97
	11 30	0002	16.1	17.5			215	8.5		8.50	96
	12 00	0055	14.9				235	8.2		8.20	93
78/09/28	10 30	0010	15.2	12.0			235	9.0		8.50	96
	11 00	0127	8.8	12.0			240	6.6		8.00	103
	11 30	0002	15.2	12.0			235	9.0		8.50	95
	12 00	0045	15.1	12.0			235	9.0		8.40	97
78/10/11	11 00	0010	14.3	14.5			210	9.1		8.40	100
	11 30	0124	11.6	14.5			240	8.4		8.30	100
	12 00	0002	14.3	14.5			210	9.1		8.40	96
	12 30	0040	14.3	14.5			220	8.9		8.40	93
78/10/24	11 00	0010	12.0	9.5			210	9.5		8.50	97
	11 30	0121	10.3	9.5			225	9.2		8.30	100
	12 00	0002	12.0	9.5			210	9.5		8.50	97
	12 30	0040	12.0	9.5			210	9.5		8.50	96

TABLE 34. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO — MG/L	00400 PH — UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105°C MG/L	00515 RES-FILT 105°C MG/L
720726	3	18.6	—	2.8	5k	210	8.9	8.2	88	—	116
720726	25	15.4	—	6.8	5k	200	8.7	8.1	89	—	112
720726	85	11.1	—	13	5	220	8.7	8.0	92	—	118
720829	3	21.2	—	—	—	270	8.6	8.2	95	—	116
720829	40	18.4	—	—	—	290	8.1	7.9	90	—	—
720829	80	14.6	—	—	—	290	7.3	7.9	100	—	130
730625	3	14.0	—	3.5	5	225	9.6	8.0	92	—	124
730625	36	12.5	—	12	5	200	9.5	8.0	87	—	96
730625	70	12.0	—	14	5	190	9.6	7.9	97	—	112
730723	3	18.5	—	1.0	5	260	8.6	8.3	93	—	132
730723	65	14.0	—	2.0	—	250	8.3	8.1	90	—	142
730723	95	10.5	—	2.8	—	230	7.7	8.1	89	—	134
730816	3	20.0	—	1.0	5	240	7.0	8.2	95	—	128
730816	75	14.0	—	1.5	—	270	6.0	7.9	106	—	146
730816	108	12.0	—	3.3	—	240	5.6	7.9	95	—	124
730827	3	18.7	—	0.6	5	247	8.2	8.2	98	—	138
730827	50	18.0	—	1.0	—	258	7.6	8.2	101	—	140
730827	92	14.2	—	1.0	—	270	5.8	8.2	106	—	146
731003	10	15.6	—	3.5	5	250	8.4	8.3	109	—	156
731003	35	15.4	—	4.0	5	255	8.0	8.1	108	—	154
731003	65	12.8	—	5.0	5	300	8.0	8.2	110	—	176
740522	3	9.8	—	5.9	—	280	10.0	8.2	113	—	156
740522	23	9.7	—	14	5	270	9.6	8.2	114	—	154
740626	3	16.8	—	14	—	184	8.3	8.4	86	—	116
740626	40	10.9	—	100	—	171	8.7	8.3	102	—	108
740626	80	10.8	—	110	—	172	8.8	8.2	107	—	110
740723	3	19.4	—	4.2	5	186	7.9	8.3	89	—	112
740723	58	12.6	—	8.8	—	189	8.0	8.1	88	—	114
740723	112	11.3	—	11	10	192	7.9	8.0	86	—	112
740819	1	17.4	—	0.7	5	198	10.6	8.1	88	—	120
740819	49	15.2	—	1.2	5	201	11.0	8.0	88	—	124
740819	99	12.0	—	3.1	5	204	8.8	8.0	91	—	120
740924	3	16.4	—	0.5	5k	220	8.3	8.2	93	—	114
740924	66	13.2	—	0.6	5k	270	7.0	8.1	108	—	148
740924	128	10.9	—	5.1	5k	210	6.9	8.0	93	—	124
741022	0	12.6	—	0.8	5k	235	7.6	8.1	99	—	132
741022	49	12.2	—	1.0	5k	240	7.5	8.1	199	—	136
741022	95	11.9	—	2.2	5k	250	7.5	8.1	194	—	142
750528	3.28	9.0	—	6.6	15	231	10.4	8.2	96	—	140
750528	16.4	8.2	—	11	10	232	10.4	8.2	99	—	142
750624	3.28	10.7	16	9.0	10	181	10.2	8.2	80	—	106
750624	32.8	10.2	—	15	10	179	10.2	8.2	78	—	106
750624	65.6	10.4	—	18	5	180	9.8	8.2	80	—	110
750721	1.2	19.4	20	1.2	10	189	8.9	8.8	85	—	106
750721	32.8	18.6	—	2.2	—	184	8.8	8.4	74	—	102
750721	82	11.2	—	12	5	189	8.7	8.3	76	—	106
750826	3.28	17.6	14	11	5	199	—	8.1	84	—	114
750826	39.4	17.5	—	12	—	199	—	8.1	84	—	114
750826	98.4	10.5	—	3.5	5	191	—	7.8	58	—	110
750923	3.28	16.0	—	0.7	5	204	8.3	8.2	89	—	124
750923	59.1	14.5	—	1.5	—	219	8.0	8.0	94	—	134
750923	115	10.6	—	2.5	5	200	7.8	8.8	88	—	118
751028	3.28	11.5	4	1.2	5	220	8.9	8.1	92	—	130
751028	49.2	11.6	—	1.4	5k	220	9.0	8.2	94	—	132
751028	91.9	11.4	—	1.5	5k	221	9.0	8.2	95	—	130
751125	3.28	7.5	—	1.1	5	228	—	8.3	96	—	136
751125	48.0	7.5	—	1.1	5k	227	—	8.3	96	—	130
751125	88.6	6.8	—	1.8	5	234	—	8.2	97	—	130
760601	3.28	11.0	—	10	10	197	—	8.5	93	130	118
760601	26.2	11.0	—	12	10	199	—	8.5	89	132	118
760601	52.5	10.1	—	8.0	10	196	—	8.2	88	132	120
760706	3.28	18.0	—	2.6	5	200	10.6	8.5	88	126	122
760706	49.2	12.5	—	2.3	5	210	9.4	8.1	82	120	114
760706	95.1	11.0	—	6.9	5	210	9.4	8.0	83	124	112
760809	3.28	18.4	—	2.0	5	194	8.6	8.4	—	120	116
760809	55.8	16.5	—	—	5	196	8.8	8.3	85	120	118
760809	102	13.7	—	14	10	194	8.6	8.2	83	136	114
760901	3.28	18.3	—	0.9	5	194	8.0	8.2	85	116	112
760901	55.8	16.0	—	1.8	5k	197	8.3	8.2	89	118	114
760901	112	13.5	—	5.2	5k	206	8.0	8.2	87	126	120
761004	3.28	16.0	—	0.5	5	202	8.1	8.4	95	118	114
761004	52.5	16.0	—	0.6	5	202	8.1	8.5	95	116	114
761004	105	15.0	—	4.1	5	219	7.5	8.4	96	140	124
761102	3.28	12.0	—	1.4	5	211	9.7	8.2	92	130	126
761102	54.1	12.0	—	1.7	5	292	9.4	8.1	93	132	130
761102	108	10.5	—	2.6	5	219	9.2	8.0	94	138	136
770602	3.28	12.0	—	2.1	10	232	10.0	8.3	101	146	142
770602	32.8	11.5	—	3.0	15	232	10.2	8.3	100	154	150
770602	65.6	10.0	—	9.0	10	228	10.6	8.3	97	160	150
770705	3.28	17.5	—	2.6	5k	215	7.8	8.3	93	130	126
770705	52.5	16.3	—	2.8	5k	213	7.6	8.2	95	126	120
770705	102	9.6	—	3.8	5k	232	6.8	8.1	95	134	130

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 34. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00400 PH UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105°C MG/L	00515 RES-FILT 105°C MG/L
770726	3.28	20.1	--	0.6	5k	217	8.5	8.4	--	134	132
770726	45.9	16.8	--	1.1	5k	222	8.3	8.3	--	136	134
770726	91.9	9.6	--	1.6	5k	239	6.6	8.1	--	146	144
770830	3.28	18.2	--	2.5	--	235	8.5	8.5	102	154	150
770830	45.9	18.0	--	2.8	--	235	8.4	8.3	102	152	146
770830	91.9	16.0	--	8.7	5k	251	8.4	8.3	106	172	150
770927	3.28	15.2	--	0.9	5k	255	8.7	8.3	104	138	136
770927	45.9	15.2	--	0.9	5k	260	8.8	8.3	104	140	136
770927	88.6	12.7	--	3.2	5k	250	9.4	8.3	108	164	158
771101	3.28	10.5	--	1.9	5k	245	10.0	8.3	109	150	146
771101	45.9	10.5	--	1.9	5k	255	10.0	8.3	109	146	142
771101	82	9.0	--	5.0	5k	280	10.2	8.3	115	172	160
780606	3.28	17.0	--	3.1	8	200	11.4	8.5	101	128	123
780606	91.9	8.5	--	12	23	210	10.2	7.9	105	148	134
780705	3.28	18.5	19	1.4	8	225	7.9	8.2	92	126	124
780705	68.9	12.5	--	5.9	9	200	8.8	8.2	82	122	114
780705	138	8.0	--	14	12	260	7.9	8.2	106	156	138
780802	3.28	20.0	--	0.8	3	220	8.0	8.2	89	126	124
780802	72.2	12.5	--	3.7	4	210	8.3	8.1	86	120	116
780802	148	8.5	--	4.9	6	250	7.5	8.0	102	152	147
780913	3.28	17.0	13	1.1	2	230	8.4	8.1	94	134	132
780913	68.9	15.0	--	1.1	3	250	7.5	7.7	99	140	138
780913	135	9.0	--	1.4	10	240	6.9	7.6	100	138	136
781011	3.28	14.5	--	0.8	1	219	9.2	7.9	98	134	132
781011	65.6	14.0	--	1.1	1	220	9.1	8.3	98	136	133
781011	131	11.5	--	2.5	2	232	8.3	8.1	101	142	137
781115	3.28	8.5	-4	1.9	3	230	11.1	8.3	101	146	144
781115	59.1	8.0	--	1.5	3	230	10.9	8.3	101	146	144
781115	118	6.0	--	2.0	4	240	10.6	8.3	104	148	146

TABLE 35. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION NO. 0200101

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00400 PH UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
720726	3	13.1	--	10	5k	210	8.9	8.0	88	--	114
720726	15	13.0	--	12	5k	210	9.0	8.0	87	--	110
720726	23	13.0	--	10	5	210	9.1	8.3	85	--	114
730724	3	15.0	--	4.2	5	240	9.7	8.2	91	--	138
730724	15	15.0	--	6.2	--	240	9.3	8.3	89	--	132
730724	30	14.2	--	10	--	225	9.4	8.3	89	--	136
730828	3	15.0	--	--	5	310	7.9	8.1	112	--	186
730828	15	14.0	--	--	5k	316	8.2	8.1	110	--	190
730828	26	14.0	--	--	--	318	8.2	8.1	109	--	190
740627	3	11.4	--	86	10	180	9.1	8.4	105	--	100
740627	32	11.4	--	110	10	190	9.1	8.4	109	--	106
740627	56	9.8	--	160	15	200	10.1	8.5	150	--	120
740724	3	19.6	--	1.9	10	200	8.2	8.4	87	--	122
740724	33	13.5	--	11	--	220	7.9	8.2	85	--	108
740724	66	10.8	--	14	5	230	6.2	8.0	84	--	112
740820	3	17.4	--	1.0	5	200	--	8.3	83	--	122
740820	30	17.2	--	1.5	5	209	--	8.4	93	--	128
740820	59	12.2	--	3.0	5	220	--	8.0	95	--	136
740923	3	16.0	--	0.5	5k	223	8.4	8.2	95	--	128
740923	42	14.6	--	0.4	5k	265	7.6	8.0	103	--	152
740923	82	12.1	--	1.4	5k	273	7.8	8.0	104	--	162
741021	3	11.7	--	0.6	5	243	8.4	8.3	102	--	134
741021	22.5	11.5	--	0.6	5k	240	8.8	8.3	102	--	140
741021	42.6	8.8	--	1.3	5	305	7.9	8.2	117	--	178
750722	3.28	19.6	18	1.4	5	160	--	8.9	74	--	114
750722	16.4	19.1	--	1.6	--	155	--	8.9	72	--	116

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.



TABLE 35. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION NO. 0200101

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CNDDUCTVY AT 25C MICROMHO	00300 DO MG/L	00400 PH UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
750722	29.9	16.8	--	11	--	153	--	8.4	71	--	112
750722	45.9	13.8	--	11	5	152	--	8.3	69	--	112
750827	3.28	17.7	14	1.0	5	201	--	8.2	84	--	118
750827	16.4	17.6	--	1.1	--	208	--	8.2	85	--	128
750827	42.5	16.3	--	1.8	--	228	--	8.0	90	--	142
750827	68.9	12.8	--	3.0	5	256	--	8.0	110	--	154
750924	3.28	16.0	--	0.5	5k	209	9.4	8.2	89	--	124
750924	39.4	15.0	--	0.8	--	219	10.0	8.5	92	--	140
750924	75.5	12.0	--	1.5	5k	264	8.7	8.0	114	--	164
760707	3.28	18.5	--	2.6	10	170	11.2	8.6	87	120	114
760707	39.4	12.2	--	14	5	170	9.0	8.3	76	120	98
760707	72.2	10.8	--	9.5	5	170	8.6	8.1	75	124	96
760810	3.28	18.0	--	1.2	5	192	8.9	8.4	87	120	118
760810	42.7	17.0	--	4.6	5	187	9.2	8.3	86	114	112
760810	78.7	12.5	--	82	50	210	9.5	8.3	105	310	132
760907	3.28	17.5	--	1.2	5k	199	8.9	8.4	87	118	116
760907	12.5	17.0	--	1.3	5k	200	9.1	8.4	87	120	118
760907	72.2	12.5	--	6.6	5k	209	8.9	8.2	87	132	130
761007	3.28	15.0	--	0.5	5	210	8.6	8.2	92	124	122
761007	36.1	15.0	--	0.5	5	212	8.6	8.2	92	124	122
761007	72.2	11.0	--	2.3	5	259	8.8	8.1	117	154	152
761103	3.28	10.0	--	0.5	5	223	10.0	7.9	94	132	128
761103	29.5	9.5	--	0.6	5	223	10.5	7.5	94	130	128
761103	52.5	7.0	--	2.2	5	275	10.6	7.5	107	162	158
770706	3.28	15.0	--	6.0	5k	212	9.0	8.1	95	138	126
770706	16.4	14.6	--	5.9	5k	217	8.6	8.1	92	136	128
770706	32.8	13.2	--	3.1	5k	262	8.7	8.2	105	162	158
770727	3.28	19.7	--	4.5	5k	245	8.7	8.3	98	144	134
770727	14.4	19.7	--	3.3	5k	256	8.0	8.3	107	152	142
770727	28.9	19.7	--	6.0	5k	292	8.0	8.3	129	172	164
770831	3.28	12.4	--	27	--	220	9.5	8.2	94	160	132
770831	29.5	12.2	--	28	--	223	9.5	8.2	--	164	136
770831	32.8	12.2	--	--	--	210	9.4	8.2	96	--	--
770926	3.28	11.0	--	4.6	5k	240	11.2	8.3	100	154	146
770926	19.7	10.6	--	4.4	5k	240	10.8	8.2	100	156	144
770926	32.8	9.5	--	2.7	5k	283	8.9	8.1	129	176	172
771031	3.28	5.5	--	5.0	5	320	11.3	8.2	119	188	182
771031	23.0	5.5	--	5.2	5	325	11.2	8.2	119	198	188
780704	3.28	16.0	19	1.7	7	200	8.0	8.2	83	104	102
780704	32.8	12.5	--	14	6	170	8.3	8.1	75	110	94
780704	68.9	11.5	--	11	7	185	8.3	8.1	80	114	102
780801	3.28	21.0	24	0.5	2	190	--	8.0	90	122	120
780801	42.7	16.0	--	1.5	3	200	--	7.8	87	128	125
780801	82.0	12.5	--	5.3	3	200	--	7.8	94	132	124
780912	3.28	17.5	14	0.6	2	235	8.4	8.1	96	128	126
780912	36.1	17.0	--	0.6	2	240	8.3	8.1	96	134	132
780912	68.9	14.0	--	2.8	5	270	7.6	7.9	104	164	159
781012	3.28	13.0	--	1.3	1	240	9.5	8.3	99	130	127
781012	32.8	13.0	--	1.2	1	240	9.5	8.3	99	128	126
781012	65.6	10.5	--	1.4	5	260	9.4	8.2	99	142	139

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 36. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT RIVER MILE 294  
STATION NO. 0200169

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00400 PH UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
730829	3	13.0	16	2.5	10	307	8.7	8.1	108	178	--
730829	12	12.9	--	2.3	--	307	8.6	8.2	109	176	--
730829	20	12.8	--	2.3	--	300	8.8	8.2	109	172	--
740725	3	19.2	18	1.5	10	190	8.0	8.2	88	116	--
740725	32	15.2	--	5.8	--	180	8.6	8.1	81	110	--
740725	59	12.0	--	11	5	183	8.0	8.1	82	112	--
740821	3	17.7	19	0.5	5k	202	8.1	8.1	100	118	--
740821	31	16.0	--	0.8	5k	204	8.2	8.0	87	126	--
740821	62	12.2	--	2.5	5	227	8.5	7.8	87	136	--
740925	3	15.6	10	0.3	5k	217	9.3	8.2	95	128	--
740925	33	15.1	--	0.4	5k	238	9.4	8.2	100	140	--
740925	61	11.7	--	1.3	5k	266	8.0	8.1	108	156	--
741023	3	9.4	-1	0.8	5	277	10.0	8.2	112	160	--
741023	36	8.0	--	2.0	5	328	9.6	8.1	125	188	--
750805	3.28	19.6	--	1.9	5	202	8.2	8.4	83	--	120
750805	17.7	17.8	--	1.2	5	201	7.6	8.4	82	--	122
750805	39.4	15.2	--	3.2	5	212	7.0	8.2	82	--	132
750828	3.28	18.0	--	0.8	5	222	10.0	8.4	90	--	134
750828	30.8	16.0	--	1.8	--	209	8.0	8.6	87	--	132
750828	42.7	13.9	--	0.9	5	237	8.3	8.1	97	--	146
750925	3.28	16.2	--	1.4	5k	214	9.1	8.3	90	--	128
750925	29.9	14.4	--	1.3	--	227	9.2	8.4	95	--	132
750925	52.5	11.8	--	1.5	5k	264	7.1	8.0	104	--	156
751029	3.28	8.3	--	0.7	5	245	9.5	8.1	103	--	148
751029	26.2	7.6	--	1.8	5	266	10.5	8.1	104	--	160
751029	45.9	7.2	--	3.4	5k	268	11.4	8.1	108	--	162
760705	3.28	27	--	--	0.5	--	13	--	1.0	3	--
760705	29.5	22	--	--	0.4	--	11	--	3.7	2	--
760705	52.5	22	5.2	--	0.4	--	11	--	3.7	2	76
760811	3.28	26	6.4	1.6	0.4	--	15	.13	3.0	1	91
760811	32.8	26	--	--	0.3	--	16	--	3.4	1	--
760811	62.3	25	6.9	1.8	0.3	--	15	.11	3.8	1	91
760908	3.28	29	--	--	0.4	--	14	.12	2.8	2	--
760908	31.2	29	--	--	0.4	--	14	.13	4.0	3	--
760908	59.1	30	--	--	0.4	--	19	--	3.4	2	--
761007	3.28	28	--	--	0.5	--	15	--	3.4	2	--
761007	29.5	28	--	--	0.5	--	16	--	3.4	2	--
761007	55.8	32	--	--	0.5	--	23	--	4.4	2	--
761104	3.28	31	--	--	0.5	--	17	--	3.7	1k	--
761104	23.0	32	--	--	0.5	--	20	--	3.9	2	--
761104	39.4	37	--	--	0.6	--	30	--	4.7	2	--
780704	3.28	23	5.9	--	--	--	--	--	3.5	1k	83
780704	49.2	22	5.7	--	--	--	--	--	3.5	1k	77
780801	3.28	25	7.2	--	--	--	--	--	3.7	1k	93
780801	32.8	27	7.8	--	--	--	--	--	4.0	1k	100
780801	62.3	27	7.2	--	--	--	--	--	4.1	1k	97
780912	3.28	30	7.8	--	--	--	--	--	3.2	1k	107
780912	29.5	29	7.7	--	--	--	--	--	3.2	2	105
780912	59.1	32	9.0	--	--	--	--	--	4.2	1k	117
781012	3.28	31	8.6	--	--	--	--	--	2.4	2	114
781012	29.5	32	8.8	--	--	--	--	--	2.7	2	--
781012	59.1	33	9.3	--	--	--	--	--	4.1	2	120

TABLE 37. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT NORTH END  
STATION NO: 02001872

DATE	00003 SAMPLE DEPTH FEET	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00400 PH UNITS	00410 T ALK CACO <sub>3</sub> MG/L	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
740827	0	13.8	15.3	2.5	--	240	8.4	8.1	98	--	146
740827	26	13.4	--	2.8	--	243	8.3	8.0	98	--	148
740926	3	11.7	17.4	1.5	5k	292	8.7	8.2	111	--	174
740926	26	11.0	--	2.0	5	298	8.4	8.2	115	--	178
760812	3.28	14.0	--	21	10	200	9.6	8.3	81	140	130
760812	21.3	14.0	--	23	5	180	9.5	8.3	79	156	124
760812	39.4	14.0	--	20	15	200	9.3	8.2	80	140	126
760909	3.28	10.4	--	29	5k	211	11.2	7.8	93	154	128
760909	26.2	10.1	--	32	5k	245	11.1	7.8	93	158	126
780803	3.28	16.5	--	4.2	5	245	9.0	8.1	91	140	134
780803	23	16.0	--	3.3	6	245	9.0	8.0	91	142	136
780914	3.28	11.5	16	3.3	5	260	9.8	8.0	97	148	142
780914	23	11.5	--	3.9	8	260	9.8	8.0	96	146	139

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 38 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTISSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
73/07/10	12 30	0256								5.9
	13 00	0010								3.8
73/08/13	11 00	0266								6.1
	11 30	0010								3.0
73/09/13	10 30	0250							0.7	6.4
	11 00	0010							0.5	3.7
73/10/01	10 30	0235							0.3	5.6
	11 00	0010							0.4	4.1
73/11/28	10 00	0214							0.6	4.9
	10 30	0010							0.4	4.5
74/04/23	11 00	0163							1.2	4.5
	11 30	0010							1.0	4.0
74/05/21	10 30	0183							1.3	6.2
	11 00	0010							1.2	5.9
74/06/14	10 15	0229	41	12.0	3.9	1.0	3	27	1.0	6.5
	10 45	0010	34	8.9	2.3	0.7	2	17	0.4	6.3
74/06/28	11 00	0282	37	10.0	3.4	0.8	3	23	0.8	7.0
	11 30	0010	32	8.4	2.2	0.6	2	17	0.4	5.8
74/07/12	10 45	0300	34	9.1	1.5	0.7	2	18	0.4	6.7
	11 00	0010	28	7.6	1.2	0.7	1	13	0.2	5.0
74/07/26	10 30	0300	32	8.4	2.0	0.6	1	17	0.4	6.7
	10 45	0010	27	6.5	1.6	0.6	1	12	0.2	4.9
74/08/09	10 15	0300	28	6.0	1.5	0.6	2	11	0.2	4.9
	11 00	0010	28	6.6	1.7	0.6	2	14	0.2	4.6
74/08/23	10 00	0010	27	6.6	1.1	0.5	1	12	0.2	4.2
	11 00	0300	33	8.6	1.5	0.6	2	15	0.4	6.4
74/09/06	11 30	0300	28	6.9	1.3	0.6	2	12	0.2	5.4
	11 45	0010	26	7.1	1.4	0.6	1	11	0.3	4.0
74/09/20	11 15	0290	34	8.0	2.1	0.4	2	14	0.4	7.1
	11 45	0010	27	6.4	1.9	0.6	1	11	0.2	4.0
74/10/04	11 00	0300	33	9.5	1.7	0.7	1	16	1.5	
	11 15	0010	28	8.4	1.4	0.6	1	14	0.5	7.1
74/10/18	13 00	0283	35	8.8	2.0	0.6	1	15	0.4	8.1
	13 15	0010	29	7.5	1.7	0.4	1	13	0.1	4.5
74/11/01	10 45	0272	35	8.9	2.0	0.6	2	15	0.3	7.3
	11 00	0010	33	7.1	1.6	0.6	2	13	0.2	4.5

TABLE 38 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTISSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
74/11/20	11 30	0257	36	7.5	1.7	0.1	2	13	0.3	7.5
	11 45	0010	31	6.7	1.8	0.2	2	12	0.2	4.5
75/04/18	11 30	0141	45	12.0	3.9	0.9	3	30	0.5	5.5
	12 30	0010	42	13.0	3.6	0.9	3	28	0.7	4.8
75/05/06	11 45	0142	46	14.0	5.0	1.0	5	37	1.3	5.4
	12 30	0010	43	13.0	4.1	0.9	4	30	0.9	4.7
75/05/20	12 15	0166	45	14.0	5.3	1.2	6	37	1.3	5.3
	12 30	0010	39	12.0	4.5	1.1	4	33	1.0	6.0
75/06/04	11 30	0195	45	15.0	5.4	1.0	5	37	1.2	5.1
	12 00	0010	37	11.0	3.8	0.9	4	30	0.9	5.8
75/06/25	12 30	0245	43	14.0	4.7	0.9	4	33	1.0	5.3
	12 45	0010	31	8.8	2.5	0.6	2	18	0.4	5.5
75/07/18	12 15	0283	45	13.0	4.7	0.9	5	31	1.1	5.8
	12 30	0010	28	7.6	2.2	0.5	2	16	0.4	5.5
75/07/29	12 30	0288	45	13.0	4.3	0.9	3	33	1.2	6.1
	13 00	0010	28	6.7	1.6	0.5	3	15	0.4	4.7
75/08/12	11 00	0292	44	13.0	5.4	0.9	4	36	1.1	5.8
	11 30	0010	27	6.8	2.3	0.5	1	16	0.3	4.0
75/08/29	11 00	0300	41	14.0	4.6	0.8	4	30	1.0	6.2
	11 15	0010	26	7.9	1.8	0.4	1	14	0.3	4.2
75/09/10	11 15	0300	42	12.0	4.7	0.9	4	30	1.0	5.8
	11 30	0010	29	7.2	1.5	0.5	1	14	0.3	4.0
75/09/24	12 15	0300	42	11.0	4.2	0.7	4	28	0.9	6.4
	12 45	0010	29	7.1	1.8	0.6	2	14	0.3	4.0
75/10/09	10 30	0285	42	12.0	3.9	0.8	3	25	0.7	6.0
	11 00	0010	28	7.2	1.5	0.4	1	14	0.3	3.9
75/10/31	11 00	0300	43	12.0	3.9	0.7	4	28	0.8	6.0
	11 15	0010	29	7.0	1.5	0.3	2	14	0.3	3.9
76/04/20	12 30	0170	41	12.0	4.8	0.8	4	33	0.3	5.6
	13 00	0010	38	11.0	4.0	0.8	3	29	0.3	5.2
76/05/06	11 30	0184	42	12.0	3.9	0.8	5	28	0.3	5.6
	12 30	0010	38	11.0	3.8	0.8	4	26	0.3	5.7
76/05/25	12 15	0248	40	13.0	4.0	0.8	5	30	0.2	6.5
	12 45	0010	34	10.0	2.9	0.7	4	25	0.2	6.2
76/06/04	11 00	0268	40	12.0	3.3	0.6	3	29	0.3	6.5
	12 30	0010	31	9.0	2.0	0.4	1	18	0.2	6.2

TABLE 38 LAKE KOUCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISOLVED MG/L
76/06/22	10 30	0010	29	8.3	1.8	0.6	2	12	0.1	5.5
	12 30	0281	39	13.0	3.5	0.8	4	25	0.3	6.5
76/07/09	11 00	0295	44	12.0	3.8	0.7	4	30	0.3	5.8
	11 30	0010	28	8.0	1.8	0.5	2	18	0.1	4.1
76/07/30	11 00	0305	41	12.0	3.6	0.7	3	27	0.3	6.3
	12 00	0010	29	7.6	1.4	0.5	1	13	0.2	3.3
76/08/11	12 00	0305	41	12.0	3.5	0.7	4	40	0.3	6.1
	12 30	0010	28	7.8	1.4	0.5	2	14	0.1	2.9
76/08/31	11 00	0010	28	7.1	1.6	0.5	1	13	0.1	2.9
	12 30	0300	40	12.0	3.8	0.7	3	28	0.2	5.9
76/09/16	11 00	0304	38	11.0	3.5	0.7	3	24	0.2	6.0
	13 00	0010	28	7.4	1.6	0.4	1	13	0.1	3.1
76/09/29	10 30	0010	28	7.8	1.6	0.5	2	14	0.1	3.1
	11 00	0307	40	11.0	3.5	0.7	3	24	0.3	6.2
76/10/14	11 00	0010	29	7.5	1.5	0.4	2	13	0.1	3.4
	11 30	0300	41	11.0	3.5	0.7	4	24	0.2	6.3
	12 00	0002	28	7.5	1.6	0.4	2	13	0.1	3.3
76/10/26	11 30	0010								3.4
	13 30	0002								3.4
	14 00	0300								6.8
77/05/04	13 00	0212								4.3
	13 30	0010								3.1
	13 45	0002								3.1
77/05/24	12 00	0230								3.8
	13 00	0010								2.9
	13 30	0002								2.9
77/06/13	11 30	0010								2.8
	12 45	0250								2.7
	13 15	0001								4.1
77/06/29	11 00	0010	38	9.9	2.9	0.5	3	23	0.2	2.7
	11 30	0262	37	10.0	2.9	0.6	3	22	0.1	2.4
	12 30	0002	35	9.4	2.7	0.5	3	21	0.1	3.8
77/07/14	11 30	0010								2.6
	12 00	0262								2.1
	12 30	0002								4.1
77/07/27	11 00	0010								1.8
77/07/27	11 30	0255								2.0
	12 00	0002								4.3
	12 00	0002								2.1
77/08/16	09 30	0258	36	9.7	3.0	0.6	3	24	0.2	4.2
	10 00	0010	31	8.1	2.2	0.5	2	20	0.1	2.1
	10 30	0002	32	8.4	2.3	0.5	2	20	0.1	2.1
77/08/31	12 30	0260								2.1
	13 00	0002								5.1
77/09/30	11 00	0010								3.3
	11 30	0260								3.1
	12 00	0002								4.9
77/10/12	10 30	0010	33	9.0	2.0	0.5	2	21	0.1	3.1
	12 00	0255	38	11.0	2.8	0.7	3	24	0.1	3.3
	12 30	0002	34	9.2	2.0	0.5	2	23	0.1	4.9
77/10/26	10 30	0010								3.2
	11 30	0254								3.9
	12 00	0002								5.4
78/05/09	12 30	0214								3.8
	12 45	0010								6.0
	13 00	0002								4.5
78/05/26	11 00	0010								4.5
	11 30	0245								4.0
	12 00	0002								6.0
78/06/14	10 30	0010								3.9
	11 00	0277								4.6
	11 30	0002								6.2
78/06/28	10 30	0010	33	9.0	2.4	0.5	2	18	0.1	4.3
	11 00	0290	42	13.0	4.2	0.7	4	29	0.2	4.6
	12 00	0002	33	8.9	2.3	0.5	2	19	0.1	6.1
78/06/29	13 00	0010	30	8.8	2.9	0.5	2	18	0.1	4.6
78/07/12	11 30	0010								4.7
	12 00	0305								4.5
	12 30	0002								6.2
78/07/26	10 30	0010								4.4
	12 30	0308								3.6
	13 00	0002								6.1
78/08/09	11 00	0010								3.5
78/08/09	11 50	0310								3.3
	12 00	0002								6.2
78/08/30	10 30	0010								3.3
	11 00	0310								3.3
	11 30	0002								6.1
78/09/13	10 30	0010								3.3
	11 00	0307								3.3
	11 30	0002								6.3
78/09/27	10 30	0010								3.4
	11 00	0303								3.2
	11 30	0002								6.0
78/10/12	11 00	0010	29	7.7	1.7	0.4	1	15	0.2	3.2
	11 30	0305	41	12.0	4.0	0.7	3	29	0.2	3.4
	12 00	0002	29	7.7	1.4	0.4	1	18	0.2	6.0
78/10/25	10 30	0010								3.3
	11 00	0302								3.2
	11 30	0002								6.2
										3.3

TABLE 39 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSTIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
73/07/17	11 00	0210								5.3
	11 30	0010								3.0
73/08/14	11 30	0218								5.2
	12 00	0010								3.6
73/09/14	10 00	0197							0.3	4.8
	10 30	0010							0.4	3.8
73/10/02	10 30	0186							0.4	5.4
	11 00	0010							0.4	4.2
73/11/29	10 30	0170							0.6	4.6
	11 00	0010							0.5	4.8
74/04/25	10 30	0116							1.2	6.0
	11 00	0010							1.3	5.1
74/05/23	10 00	0140							0.8	5.8
	10 30	0010							0.5	6.3
74/06/13	10 00	0176	33	8.8	1.5	0.6	2	15	0.4	6.7
	10 30	0010	32	8.8	1.8	0.6	2	17	0.5	5.7
74/06/27	12 30	0234	33	8.5	2.1	0.7	2	16	0.6	6.9
	13 15	0010	32	8.2	2.3	0.7	2	16	0.7	5.7
74/07/11	10 45	0250	32	8.4	1.4	0.6	2	16	0.3	6.2
	11 00	0010	29	7.6	1.3	0.6	2	16	0.3	5.0
74/07/25	11 30	0260	30	7.6	1.9	0.6	1	14	0.3	5.8
	12 00	0010	28	6.5	1.8	0.6	1	13	0.2	4.7
74/08/08	10 45	0260	31	7.3	1.4	0.6	1	13	0.2	5.8
	11 30	0010	29	6.8	1.4	0.6	1	13	0.2	4.7
	11 45	0001	26	6.5	1.5	0.5	1	11	0.2	4.7
74/08/22	13 00	0259	30	7.3	1.2	0.5	1	12	0.3	5.6
	13 30	0010	28	6.6	0.9	0.5	1	12	0.2	4.1
74/09/03	11 45	0262	29	7.1	1.6	0.5	1	12	0.3	5.8
	12 00	0010	26	7.1	1.7	0.5	1	12	0.2	3.9
74/09/19	11 30	0258	33	7.7	1.9	0.6	4	13	0.3	6.3
	12 00	0010	28	7.8	1.8	0.6	4	13	0.2	4.1
74/10/03	11 30	0255	29	7.9	2.3	0.4	1	12	0.2	5.6
	12 00	0010	26	8.2	2.6	0.4	1	13	0.2	4.2
74/10/15	13 00	0241	33	8.6	1.6	0.7	1	13	0.3	6.4
	13 15	0010	29	8.8	1.6	0.5	2	15	0.2	4.4
74/10/29	10 45	0230	36	7.2	1.7	0.3	1	12	0.2	6.6

TABLE 39 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSTIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
74/10/29	11 15	0010	30	7.5	2.6	0.9	2	15	0.1	4.5
74/11/19	12 30	0214	34	8.5	2.2	0.6	2	15	0.1	4.5
	13 00	0010	31	7.9	2.0	0.6	2	14	0.1	4.4
75/04/16	12 45	0090	48	15.0	5.0	1.0	6	35	1.2	5.7
	13 15	0010	48	15.0	5.0	0.9	6	34	1.1	5.6
75/05/05	12 15	0085	49	15.0	6.2	0.9	6	40	1.6	5.7
	12 45	0010	49	13.0	5.1	1.0	4	41	1.5	6.2
75/05/21	12 15	0112	44	14.0	5.7	1.3	5	38	1.3	5.2
	12 30	0010	32	7.8	2.3	0.9	2	19	0.4	5.9
75/06/03	12 30	0132	42	13.0	4.9	1.0	5	37	1.3	5.3
	13 00	0010	30	8.1	2.5	0.7	2	20	0.5	5.8
75/06/24	12 30	0165	32	8.0	2.7	0.6	2	19	0.5	5.7
	12 45	0010	29	7.6	2.4	0.6	2	15	0.4	5.3
75/07/14	12 45	0210	30	7.6	2.0	0.6	2	16	0.4	4.9
	13 15	0010	28	6.5	1.6	0.6	1	15	0.2	10.0
75/07/28	12 30	0250	27	6.4	1.7	0.6	1	13	0.4	5.2
	13 00	0010	28	6.7	1.7	0.5	2	14	0.4	4.6
75/08/11	12 30	0235	38	10.0	4.2	0.8	3	26	0.7	5.9
	13 00	0010	28	6.3	2.2	0.5	1	16	0.3	4.0
75/08/26	12 00	0248	36	10.0	3.1	0.7	3	22	0.6	6.8
	12 15	0010	27	7.6	1.5	0.5	2	14	0.3	4.6
75/09/09	11 30	0240	37	10.0	3.4	0.7	2	22	0.6	6.0
	12 00	0010	28	6.4	1.8	0.4	1	14	0.3	3.9
75/09/23	13 15	0239	31	7.9	2.0	0.6	2	15	0.4	5.3
	13 30	0010	29	7.7	1.6	0.5	2	14	0.3	4.0
75/10/06	11 30	0245	32	7.8	1.9	0.6	2	16	0.4	4.8
	12 00	0010	28	7.2	1.6	0.5	1	15	0.3	3.6
75/10/28	12 00	0232	30	7.3	1.8	0.5	1	14	0.3	4.4
	12 15	0010	30	7.4	1.8	0.4	1	15	0.3	3.6
76/04/12	13 00	0105	42	13.0	4.5	0.8	4	33	0.3	6.0
	13 30	0010	41	12.0	3.5	0.8	4	31	0.3	5.7
76/05/04	11 30	0127	40	12.0	4.3	0.8	4	30	0.3	5.7
	12 30	0010	37	11.0	3.8	0.7	3	27	0.2	5.6
76/05/24	12 00	0179	43	11.0	3.5	0.7	4	29	0.3	6.1
	12 30	0010	35	9.0	2.3	0.6	2	20	0.2	5.9
76/06/03	11 00	0187	39	12.0	3.4	0.6	3	18	0.2	6.5

TABLE 39 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISSOLVED MG/L
76/06/03	11 30	0010	30	9.3	2.0	0.4	2	7	0.2	5.8
76/06/21	11 30	0225	40	12.0	2.4	0.8	3	27	0.2	6.5
	12 30	0010	30	8.1	1.6	0.5	1	15	0.2	5.4
76/07/06	11 30	0250	39	11.0	3.8	0.8	4	29	0.3	5.8
	12 00	0010	29	7.8	1.8	0.5	2	18	0.2	4.2
76/07/29	12 30	0245	39	11.0	3.1	0.7	3	24	0.2	6.1
	13 00	0010	29	7.6	1.5	0.5	1	14	0.1	3.1
76/08/09	12 00	0248	37	9.8	2.7	0.6	2	21	0.2	5.4
	12 30	0010	29	7.7	1.6	0.4	1	13	0.2	2.8
76/08/30	12 30	0245	32	9.1	2.1	0.5	2	16	0.2	4.8
	13 00	0010	29	7.6	1.7	0.4	2	13	0.1	2.9
76/09/14	10 30	0245	31	8.2	1.8	0.5	2	15	0.2	5.0
	12 30	0010	28	7.5	1.5	0.4	1	14	0.1	3.2
76/09/27	10 30	0010	28	7.4	1.6	0.4	1	13	0.1	3.2
	11 00	0245	29	7.9	1.5	0.4	1	13	0.2	4.4
76/10/12	10 30	0010	29	7.4	1.8	0.5	2	100	0.1	3.2
	11 00	0230	30	6.8	1.5	0.4	2	12	0.1	4.3
	12 30	0002	28	7.3	1.6	0.5	2	14	0.1	3.1
76/10/28	11 00	0010								3.3
	11 30	0001								3.3
	13 00	0230								5.2
77/05/10	12 00	0170								3.5
	12 15	0010								2.8
	12 30	0001								2.8
77/05/23	12 00	0010								3.7
	13 00	0185								4.3
	13 30	0002								3.6
77/06/14	11 00	0010								3.6
	12 00	0206								3.7
	12 15	0002								3.6
77/06/27	11 30	0010	35	10.0	2.8	0.5	3	24	0.2	1.7
	12 30	0219	38	11.0	3.3	0.6	3	20	0.2	4.0
	13 00	0002	35	9.8	2.9	0.5	3	18	0.2	1.7
77/07/11	12 00	0010								1.7
	12 30	0214								3.8
	13 00	0002								1.8

TABLE 39 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISSOLVED MG/L
77/07/25	11 30	0010								1.9
	12 00	0218								3.9
	12 30	0002								1.9
77/08/15	13 00	0214								4.3
	13 30	0010								2.8
	14 00	0002								2.8
77/08/29	11 30	0010								4.5
	12 00	0210								4.5
	12 30	0002								2.8
77/09/12	11 30	0010								2.9
	12 30	0210								4.0
	13 00	0002								3.0
77/09/28	12 30	0215								4.6
	13 00	0010							0.0	3.2
	13 30	0002								3.1
77/10/11	12 00	0010	34	9.1	2.4	0.5	2	20	0.1	3.3
	13 00	0207	40	11.0	3.3	0.7	3	23	0.1	4.7
	13 30	0002	33	9.0	2.5	0.5	2	20	0.1	3.3
77/10/25	11 00	0010								3.8
	13 00	0203								5.8
	13 30	0002								3.8
78/05/08	13 00	0158								6.3
	13 15	0010								6.4
	13 30	0002								6.7
78/05/25	11 30	0010								5.0
	12 00	0187								5.0
	12 30	0002								4.8
78/06/13	11 00	0010								4.2
	11 30	0220								6.1
	12 00	0002								4.1
78/06/27	11 00	0010	30	8.8	2.3	0.5	2	17	0.1	4.1
	11 30	0235	44	12.0	3.9	0.7	4	28	0.2	6.0
	12 00	0002	32	9.4	2.3	0.5	2	18	0.1	4.3
78/07/11	11 30	0010								4.0
	12 00	0250								6.0
	12 30	0002								4.0

TABLE 39 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 POTASSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISSOLVED MG/L
78/07/24	10 30	0010								3.6
	11 00	0253								5.7
	11 30	0002								3.6
78/08/08	11 00	0010								3.2
	11 30	0258								5.5
	12 00	0002								3.1
78/08/29	11 30	0010								3.0
	12 00	0258								6.0
	12 30	0002								3.1
78/09/12	11 30	0010								3.0
	12 00	0255								6.2
	12 30	0002								3.1
78/09/26	10 30	0010								3.0
	11 00	0255								6.0
	11 30	0002								2.9
78/10/10	11 30	0010	30	8.1	1.8	0.4	2	15	0.1	2.9
	12 00	0251	40	12.0	3.8	0.7	4	29	0.1	6.0
	12 30	0002	30	8.3	1.8	0.4	2	16	0.1	2.9
78/10/23	11 30	0010								2.9
	12 00	0245								6.0
	12 30	0002								3.0

TABLE 40 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 POTASSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISSOLVED MG/L
73/07/19	11 00	0121								4.6
	11 30	0010								3.9
73/08/16	11 00	0160								4.7
	11 30	0010								3.8
73/09/10	11 00	0145							0.3	4.7
	11 30	0010							0.3	3.9
73/10/04	10 30	0130							0.6	4.8
	11 00	0010							0.4	4.3
73/11/30	10 30	0110							0.6	5.0
	11 00	0010							0.5	4.6
74/04/24	11 00	0052							1.2	6.3
	11 30	0010							1.2	6.3
74/05/22	10 30	0076							0.5	6.2
	11 00	0010							0.6	5.9
74/06/11	11 15	0113	30	7.3	1.6	0.5	1	12	0.3	5.4
	12 45	0010	30	8.0	1.9	0.7	1	14	0.4	5.6
74/07/10	10 15	0195	29	7.4	1.3	0.5	1	13	0.2	5.3
	10 45	0010	28	7.3	1.3	0.6	2	13	0.2	5.0
74/07/24	11 30	0201	29	7.0	1.4	0.7	1	12	0.2	5.0
	11 45	0010	28	7.3	1.4	0.8	1	13	0.2	4.8
74/08/07	10 30	0203	28	7.2	1.0	0.6	1	12	0.2	4.9
	11 00	0010	29	6.6	1.3	0.6	1	14	0.2	4.8
74/08/21	11 30	0208	28	6.9	1.4	0.6	1	11	0.2	4.8
	12 00	0010	28	7.7	1.6	0.5	2	11	0.2	4.4
74/09/05	11 00	0202	29	6.4	1.2	0.5	1	11	0.2	5.0
	11 15	0010	28	7.0	1.6	0.6	2	12	0.2	4.4
74/09/18	11 00	0196	30	6.7	1.5	0.3	2	11	0.3	5.3
	11 30	0010	28	7.2	1.6	0.7	2	13	0.3	4.5
74/10/01	11 30	0194	28	6.4	1.1	0.4	1	11	0.2	5.2
	11 45	0010	30	7.6	1.6	0.6	2	14	0.3	7.4
74/10/16	12 45	0185	30	7.1	1.3	0.6	1	11	0.2	5.1
	13 30	0010	35	8.4	1.9	0.7	2	16	0.2	4.6
74/10/30	12 15	0167	36	9.6	2.7	0.4	2	22	0.2	4.7
	12 30	0010	33	8.1	2.0	0.6	2	16	0.1	4.5
	13 00	0001	32	7.8	2.0	0.6	2	17	0.1	4.5
74/12/03	15 00	0001	35	9.7	2.5	0.4	3	20	0.1	4.4

TABLE 4Q LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
74/12/16	11 00	0001	33	8.5	2.2	0.6	3	17	0.2	4.7
75/01/02	13 00	0001	35	7.9	2.4	0.9	3	20	0.2	4.7
75/01/15	10 30	0001	36	11.0	2.3	0.8	2	21	0.2	4.9
75/01/28	12 00	0001	38	9.7	3.1	0.9	3	24	0.3	5.6
75/04/02	09 30	0001	48	16.0	6.4	0.9	7	46	2.0	6.8
75/05/07	12 30	0033	40	12.0	3.1	0.7	3	27	0.7	5.7
	13 00	0010	41	11.0	3.2	0.8	3	27	0.7	5.8
75/05/22	11 00	0055	28	7.3	1.7	0.5	2	14	0.3	4.7
	11 30	0010	31	7.5	1.7	0.5	2	14	0.3	4.7
75/06/05	10 30	0095	28	7.1	1.7	0.5	2	15	0.3	4.9
	11 00	0010	29	6.8	2.0	0.5	2	16	0.3	4.9
75/06/26	10 45	0137	26	6.1	1.6	0.4	1	12	0.3	4.4
	11 00	0010	27	6.2	1.8	0.5	2	13	0.3	5.0
75/07/15	13 00	0168	27	6.5	1.4	0.4	1	13	0.3	4.1
	13 15	0010	27	6.4	1.5	0.4	1	16	0.3	4.4
75/07/30	12 30	0180	30	6.6	1.6	0.5	2	11	0.4	4.8
	13 00	0010	29	6.5	1.6	0.5	2	10	0.3	4.1
75/08/14	13 00	0186	30	7.5	1.8	0.4	2	16	0.3	4.7
	13 30	0010	28	7.2	1.5	0.3	3	15	0.3	3.3
75/08/28	10 45	0200	27	8.2	2.0	0.4	1	14	0.3	5.2
	11 00	0010	26	8.8	1.8	0.4	1	14	0.3	3.9
75/09/11	13 00	0195	29	7.0	1.5	0.5	2	13	0.3	4.4
	13 15	0010	30	8.0	1.7	0.4	2	16	0.4	3.5
75/09/25	10 45	0202	28	7.1	2.0	0.6	1	13	0.3	4.6
	11 00	0010	33	3.6	1.9	0.6	1	15	0.3	3.8
75/10/07	11 00	0190	29	6.9	1.3	0.4	1	12	0.3	4.3
	11 30	0010	29	7.2	1.4	0.4	2	15	0.3	3.7
75/10/30	10 15	0184	32	9.0	2.0	0.3	2	18	0.3	3.4
	10 30	0010	32	9.1	2.1	0.3	1	16	0.3	3.3
75/12/08	11 00	0001	33	8.6	1.8	0.6	1	20	0.4	3.9
75/12/23	10 00	0001	33	8.8	2.1	0.5	2	19	0.3	3.5
76/01/06	11 00	0001	36	8.8	2.3	0.8	2	26	0.3	3.8
76/01/20	10 30	0001	33	10.0	3.3	0.6	2	23	0.4	3.9
76/02/03	10 30	0001	38	10.0	3.1	0.7	3	26	0.3	4.8
76/03/19	11 00	0001	45	15.0	5.0	0.9	4	41	0.3	5.8
76/03/31	10 30	0001	44	14.0	5.8	0.8	4	34	0.3	5.8

TABLE 4Q LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
76/05/05	11 30	0056	36	12.0	2.9	0.6	2	24	0.3	5.6
	12 30	0010	38	12.0	2.8	0.6	2	25	0.2	5.2
76/05/26	11 15	0119	29	7.8	1.2	0.3	2	12	0.1	5.1
	11 45	0010	28	7.3	1.3	0.4	2	11	0.1	5.4
76/06/24	10 30	0185	32	9.5	2.2	0.6	3	17	0.2	5.8
	11 00	0010	28	7.8	1.4	0.5	2	10	0.1	5.3
76/07/07	11 30	0198	35	10.0	2.6	0.6	3	24	0.2	5.4
	12 00	0010	28	7.4	1.6	0.5	1	15	0.2	3.3



TABLE 41 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORINE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
73/07/18	11 00	0085								4.4
	11 30	0010								4.1
73/08/19	11 00	0095								4.4
	11 30	0010								3.9
73/09/12	10 00	0077							0.5	4.6
	10 30	0010							0.4	4.5
73/10/03	12 30	0060							0.7	5.1
	12 45	0010							0.5	4.6
74/05/24	10 00	0001							1.2	5.6
74/06/12	10 00	0049	29	7.4	1.6	0.4	2	13	0.2	5.4
	10 30	0010	28	7.4	1.8	0.4	2	12	0.2	5.1
74/06/25	12 15	0096	26	6.0	1.1	0.4	1	10	0.5	4.3
	12 45	0010	26	6.0	1.3	0.5	2	9	0.3	4.9
74/07/09	10 45	0108	28	7.4	1.5	0.5	1	13	0.1	4.2
	11 00	0010	27	7.3		0.7	1	13	0.2	4.9
74/07/23	12 30	0102	27	7.1	1.5	0.6	1	15	0.1	4.4
	13 00	0010	28	6.9	1.3	0.7	0	12	0.2	4.7
74/08/06	10 00	0106	28	6.6	1.3	0.4	2	13	0.1	4.5
	10 45	0010	28	7.1	1.2	0.5	2	13	0.2	4.8
74/08/20	12 00	0119	29	7.3	1.5	0.4	2	13	0.1	4.5
	12 30	0010	28	7.5	1.6	0.5	2	12	0.2	4.5
74/09/04	11 30	0112	28	6.6	1.6	0.5	2	11	0.2	4.6
	11 45	0010	26	6.9	1.6	0.6	2	12	0.2	4.4
74/09/17	11 00	0122	30	6.7	1.8	0.3	2	12	0.2	4.6
	11 15	0010	29	7.6	1.9	0.7	2	13	0.2	4.4
74/10/02	10 45	0119	35	11.0	3.5	0.4	3	23	0.2	4.7
	11 15	0010	30	7.6	2.2	0.4	2	15	0.2	4.5
74/10/17	11 30	0104	37	11.0	2.7	0.3	3	22	0.2	4.9
	12 00	0010	31	8.4	2.0	0.1	2	17	0.2	4.8
74/10/31	10 45	0094	37	9.2	2.6	0.7	3	23	0.2	4.6
	11 00	0010	33	7.3	1.9	0.6	2	17	0.2	4.5
75/06/06	10 30	0026	25	5.6	1.3	0.4	1	12	0.2	4.1
	11 00	0010	25	5.9	1.3	0.4	1	13	0.2	4.3
75/06/27	11 15	0070	26	6.1	1.7	0.4	2	14	0.3	4.3
	11 30	0010	26	6.5	1.8	0.5	2	13	0.3	4.4
75/07/17	11 00	0060	29	6.7	1.9	0.4	1	12	0.3	3.7

TABLE 41 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORINE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
75/07/17	11 15	0010	27	7.0	2.0	0.5	1	13	0.3	4.0
75/07/31	10 00	0095	27	6.8	1.2	0.4	1	12	0.3	4.3
	10 30	0010	28	6.7	1.3	0.5	1	13	0.3	3.2
75/08/15	10 00	0099	26	6.5	1.4	0.4	1	14	0.3	4.2
	10 30	0010	28	7.5	1.7	0.5	1	16	0.3	3.3
75/08/27	11 00	0103	25	7.0	1.4	0.4	1	12	0.2	4.4
	11 15	0010	26	7.8	1.6	0.4	1	14	0.3	3.4
75/09/12	11 00	0094	31	8.2	1.8	0.4	2	17	0.4	4.0
	11 15	0010	30	7.7	1.8	0.5	2	15	0.4	3.3
75/09/26	11 00	0097	33	8.5	2.1	0.6	1	22	0.4	4.2
	11 15	0010	30	7.3	1.9	0.5	1	16	0.3	3.5
75/10/08	11 00	0085	35	8.3	1.7	0.5	2	18	0.3	3.7
	11 30	0010	30	7.5	1.5	0.4	2	16	0.4	3.5
75/10/29	09 45	0091	30	8.3	1.8	0.4	2	19	0.3	3.3
	10 00	0010	31	8.5	1.9	0.5	2	18	0.3	3.5
76/06/25	10 30	0075	25	6.8	1.2	0.4	2	9	0.1	4.7
	11 00	0010	26	7.6	1.3	0.5	2	10	0.1	5.0
76/07/08	10 30	0085	26	7.4	1.3	0.4	1	14	0.1	3.4
	11 00	0010	27	7.7	1.6	0.5	2	16	0.1	1.3
76/07/28	13 00	0095	27	6.6	1.2	0.4	1	11	0.1	3.6
	13 30	0010	30	7.2	1.5	0.4	2	12	0.2	2.8
76/08/10	11 00	0100	30	7.1	1.4	0.4	2	13	0.1	3.4
	11 30	0010	30	7.4	1.4	0.5	2	13	0.2	2.7
76/09/02	10 30	0010	29	7.7	1.5	0.5	2	14	0.1	2.9
	12 30	0093	30	8.0	1.8	0.4	2	17	0.1	3.4
76/09/15	11 00	0099	31	8.2	2.0	0.4	2	21	0.2	3.5
	12 00	0010	28	7.4	1.6	0.4	2	13	0.3	3.3
76/09/28	10 00	0010	28	7.4	1.5	0.4	1	13	0.1	3.0
	10 30	0117	34	9.3	2.0	0.4	2	22	0.1	3.6
76/10/13	10 30	0010	29	7.8	1.7	0.4	1	15	0.1	3.3
	11 00	0092	30	8.2	1.7	0.4	2	16	0.1	3.3
	11 30	0002	29	7.9	1.6	0.5	2	14	0.1	3.3
76/10/27	11 00	0010								3.3
	11 30	0002								3.3
	12 30	0085								3.3
77/06/28	11 00	0010	31	8.0	1.8	0.4	2	19	0.1	2.7

TABLE 41 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
77/06/28	11 30	0093								4.3
	12 00	0002	32	8.1	1.8	0.5	2	19	0.1	2.9
77/07/12	11 00	0010	32	8.0	1.8	0.4	2	20	0.1	2.2
	11 30	0083								2.0
	12 00	0002								1.7
77/07/26	11 30	0010								2.4
	12 00	0083								4.3
	12 30	0002								2.4
77/08/18	11 30	0080								4.7
	12 00	0010								3.2
	12 30	0002								3.2
77/08/30	12 30	0092	39	8.7	3.1	0.5	3	24	0.2	3.9
	13 00	0002	34	9.3	2.8	0.5	3	22	0.2	3.4
	13 30	0085								4.0
	14 00	0010								3.3
77/09/13	11 00	0010								3.4
	11 30	0084								5.1
	12 00	0007								3.5
77/09/29	10 30	0010								3.3
	11 00	0083								3.9
	11 30	0002								3.3
78/06/29	10 30	0010	30	7.8	1.8	0.4	2	15	0.1	4.6
	11 00	0115	31	7.9	1.8	0.4	2	15	0.1	5.2
	11 30	0002	30	7.9	1.8	0.5	2	15	0.1	4.6
78/07/13	10 30	0010								4.4
	11 00	0125								5.3
	11 30	0002								4.5
78/07/27	10 30	0010								3.8
	11 30	0130								5.0
	12 00	0007								3.8
78/08/10	10 30	0128								5.6
	11 00	0002								4.1
78/08/31	10 30	0010								3.8
	11 00	0127								5.5
	11 30	0002								3.7
78/09/14	10 30	0010								3.7

TABLE 41 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PTSSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
78/09/14	11 00	0127								5.6
	11 30	0002								3.7
78/09/28	10 30	0010								0.0
	11 00	0127								0.1
	11 30	0002								0.1
78/10/11	11 00	0010	32	8.4	2.2	0.4	2	16	0.1	3.1
	11 30	0124	35	9.0	2.7	0.5	3	20	0.1	4.0
	12 00	0002	32	8.5	2.2	0.4	2	18	0.1	3.1
78/10/24	11 00	0010								3.0
	11 30	0121								3.3
	12 00	0002								3.1

TABLE 42. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

	00003 SAMPLE DEPTH	00915 CALCIUM CA	00925 MGNSIUM MG	00930 SODIUM NA	00935 PTSIUM K	00940 CHLORIDE CL	00945 SULFATE SO <sub>4</sub>	00950 FLUORIDE F	00955 SILICA SIO <sub>2</sub>	00680 CARBON ORG-C	00900 T HARD CACO <sub>3</sub>
DATE	FEET	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
720726	3	--	6.2	0.9	0.3	--	12	0.22	4.4	4	--
720726	25	25	6.2	0.9	0.3	--	9.2	0.22	4.4	7	88
720726	85	28	6.8	1.7	0.5	--	17	0.19	4.5	8	98
720829	3	28	--	1.7	0.4	--	14	--	4.5	10	--
720829	40	--	--	--	--	--	--	--	4.9	8	--
720829	80	31	--	2.9	0.9	--	19	--	4.9	7	--
730625	3	30	7.7	1.8	0.5	--	16	0.35	4.4	3	107
730625	36	28	6.8	1.5	0.4	--	14	0.33	4.1	3	97
730625	70	27	6.5	1.5	0.4	--	12	0.33	4.0	3	94
730723	3	30	--	1.8	0.5	--	16	--	3.9	3	--
730723	65	32	--	1.9	0.5	--	20	--	4.1	2	--
730723	95	29	--	1.5	0.4	--	--	--	4.2	3	--
730816	3	30	--	2.0	0.5	--	17	--	4.1	4	--
730816	75	34	--	2.4	0.5	--	24	--	4.5	3	--
730816	108	30	--	1.6	0.5	--	17	--	4.9	5	--
730827	3	31	9.2	2.1	0.6	--	18	0.37	4.1	5	115
730827	50	31	9.5	2.2	0.6	--	20	0.40	4.2	4	117
730827	92	34	10	2.4	0.6	--	22	--	4.4	4	127
731003	10	34	9.8	2.5	0.6	--	20	0.41	4.1	8	125
731003	35	34	9.5	2.6	0.6	--	20	0.41	4.1	10	124
731003	65	36	11	3.3	0.7	--	27	0.64	4.5	9	135
740522	3	37	11	2.4	0.6	2.2	21	--	6.5	13	139
740522	23	37	11	2.4	0.6	2.1	21	0.38	6.6	13	139
740626	3	28	6.7	1.3	0.6	1.0	10	0.20	4.9	5	97
740626	40	26	5.8	1.2	0.5	0.8	9.4	0.14	4.1	7	89
740626	80	26	5.9	1.0	0.5	0.7	9.4	0.13	4.0	7	89
740723	3	27	6.4	1.2	0.6	1.1	13	0.19	4.4	3	94
740723	58	27	6.7	--	0.5	1.3	13	--	4.2	4	95
740723	112	27	6.8	1.4	0.5	1.2	14	0.15	4.1	1k	96
740819	1	28	6.8	--	0.6	1.3	12	0.15	4.4	1k	98
740819	49	29	7.2	--	0.5	1.5	14	0.14	4.2	1k	102
740819	99	29	7.2	--	0.5	1.3	14	0.13	4.3	1k	102
740924	3	29	7.3	--	0.5	1.4	12	--	4.1	1	102
740924	66	35	9.8	--	0.6	2.5	20	--	4.5	1k	128
740924	128	29	6.9	--	0.6	1.1	11	--	4.6	1k	101
741022	0	31	--	--	0.5	1.6	15	--	4.2	1	--
741022	49	30	--	--	0.5	1.7	15	--	4.2	1	--
741022	95	32	--	--	0.6	1.8	17	--	4.3	1	--
750528	3.28	32	8.5	2.2	0.5	--	17	0.38	5.7	1k	115
750528	16.4	32	8.6	2.3	0.5	--	18	0.40	5.7	1k	115
750624	3.28	26	--	1.4	0.4	--	12	--	4.5	1	--
750624	32.8	26	--	1.4	0.4	--	12	--	4.2	1	--
750624	65.6	26	--	1.3	0.4	--	12	--	4.2	1k	--
750721	1.2	27	6.9	1.5	0.4	--	12	0.26	3.9	--	96
750721	32.8	27	--	1.5	0.4	--	13	--	3.9	1	--
750721	82	28	6.8	1.3	0.4	--	12	0.23	4.0	1k	98
750826	3.28	28	7.2	1.4	0.5	--	15	0.31	4.2	1	99
750826	39.4	28	--	1.4	0.5	--	14	--	4.2	2	--
750826	98.4	28	6.7	1.2	0.4	--	12	0.24	5.1	2	97
750923	3.28	29	--	1.6	0.5	--	16	--	3.8	1	--
750923	59.1	--	--	--	--	--	--	--	4.1	1	--
750923	115	29	--	1.4	0.4	--	14	--	4.7	1	--
751028	3.28	31	--	1.9	0.5	--	18	--	4.0	1	--
751028	49.2	31	--	1.8	0.5	--	19	--	4.0	1	--
751028	91.9	31	--	1.8	0.5	--	19	--	4.0	1	--
751125	3.28	32	8.7	1.9	0.5	--	19	--	4.1	1k	116
751125	48.0	--	8.5	1.9	0.5	--	19	--	4.1	1k	--
751125	88.6	--	8.8	2.0	0.5	--	21	--	4.2	1k	--
760601	3.28	27	--	--	0.5	--	11	--	5.0	1k	--
760601	26.2	27	--	--	0.5	--	11	--	4.9	1k	--
760601	52.5	27	--	--	0.5	--	12	--	4.9	1k	--
760706	3.28	28	--	--	0.4	--	14	--	2.4	1	--
760706	49.2	27	--	--	0.4	--	14	--	3.9	1k	--
760706	95.1	27	--	--	0.4	--	14	--	4.1	1	--
760809	3.28	28	5.9	1.7	0.5	--	13	12	2.9	3	94
760809	55.8	28	--	--	0.5	--	14	--	3.2	2	--
760809	102	27	5.9	1.7	0.5	--	15	12	3.7	2	92
760901	3.28	29	--	--	0.4	--	13	--	3.3	2	--
760901	55.8	30	--	--	0.5	--	15	--	3.6	1k	--
760901	112	31	--	--	0.4	--	16	--	3.9	1k	--
761004	3.28	27	--	--	0.5	--	14	--	3.5	1k	--
761004	52.5	27	--	--	0.4	--	14	--	3.5	1k	--
761004	105	30	--	--	0.5	--	16	--	3.9	1k	--
761102	3.28	28	--	--	0.5	--	15	--	3.7	1k	--
761102	54.1	28	--	--	0.5	--	15	--	3.7	1k	--
761102	108	29	--	--	0.5	--	15	--	3.8	1k	--
770602	3.28	33	--	--	0.4	--	19	--	4.1	3	--
770602	32.8	33	--	--	0.4	--	19	--	4.0	3	--
770602	65.6	32	--	--	0.4	--	19	--	4.0	4	--
770705	3.28	30	8.0	2.1	0.4	--	17	0.12	2.3	1k	108
770705	52.5	29	7.8	2.1	0.4	--	17	0.12	2.9	1k	104
770705	102	30	8.4	2.4	0.5	--	18	0.13	4.3	1k	109
770726	3.28	31	8.0	2.1	0.4	--	17	0.13	2.4	3	110
770726	45.9	32	--	--	0.5	--	18	--	2.9	3	--
770726	91.9	34	--	2.5	0.5	--	18	0.14	4.4	4	--

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 42. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

00003 SAMPLE DEPTH	00915 CALCIUM CA	00925 MGNISIUM MG	00930 SODIUM NA	00935 PTSSIUM K	00940 CHLORIDE CL	00945 SULFATE SO <sub>4</sub>	00950 FLUORIDE F	00955 SILICA SIO <sub>2</sub>	00680 CARBON ORG-C	00900 T HARD CACO <sub>3</sub>	
DATE	FEET	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
770830	3.28	32	--	--	0.5	--	22	--	3.2	2	--
770830	45.9	32	--	--	0.5	--	22	--	3.2	3	--
770830	91.9	34	9.7	3.0	0.5	2.7	24	0.15	3.7	3	125
770927	3.28	32	--	--	0.5	--	22	--	3.3	3	--
770927	45.9	32	--	--	0.4	--	21	--	3.3	3	--
770927	88.6	34	--	--	0.5	--	26	--	3.8	3	--
771101	3.28	33	--	--	0.5	--	23	--	3.1	1	--
771101	45.9	33	--	--	0.5	--	22	--	3.1	1	--
771101	82	35	--	--	0.5	--	25	--	3.6	1	--
780606	3.28	30	7.8	--	--	--	--	5.0	1k	106	--
780606	91.9	32	8.0	--	--	--	--	4.9	1k	112	--
780705	3.28	28	7.7	--	--	--	--	4.0	1k	101	--
780705	68.9	25	6.8	--	--	--	--	3.8	1k	89	--
780705	138	34	8.9	--	--	--	--	5.0	1k	120	--
780802	3.28	27	7.1	--	--	--	--	3.5	1k	96	--
780802	72.2	26	6.9	--	--	--	--	4.0	1k	94	--
780802	148	31	8.4	--	--	--	--	5.0	1k	112	--
780913	3.28	30	7.4	--	--	--	--	3.1	1k	104	--
780913	68.9	31	8.1	--	--	--	--	3.9	1k	111	--
780913	135	32	7.7	--	--	--	--	5.0	1k	111	--
781011	3.28	30	7.4	--	--	--	--	2.9	1k	105	--
781011	65.6	30	7.6	--	--	--	--	2.9	1k	106	--
781011	131	32	7.7	--	--	--	--	3.4	1k	111	--
781115	3.28	28	8.6	--	--	--	--	2.8	1k	106	--
781115	59.1	28	8.8	--	--	--	--	2.8	1k	107	--
781115	118	29	8.7	--	--	--	--	2.7	1k	109	--

TABLE 43. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION NO. 0200101

00003 SAMPLE DEPTH	00915 CALCIUM CA	00925 MGNISIUM MG	00930 SODIUM NA	00935 PTSSIUM K	00940 CHLORIDE CL	00945 SULFATE SO <sub>4</sub>	00950 FLUORIDE F	00955 SILICA SIO <sub>2</sub>	00680 CARBON ORG-C	00900 T HARD CACO <sub>3</sub>	
DATE	FEET	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
720726	3	24	6.4	1.5	0.3	--	17	.16	4.6	4	86
720726	15	23	6.4	1.5	0.3	--	17	.16	4.6	3	84
720726	23	22	6.4	1.5	0.3	--	17	.17	4.6	2	81
730724	3	30	8.3	2.5	0.5	--	21	.68	4.4	3	108
730724	15	30	8.3	2.5	0.5	--	18	.67	4.4	1	108
730724	30	29	8.0	2.5	0.5	--	22	.64	4.3	4	105
730828	3	37	11	4.1	0.7	--	32	.96	4.8	2	138
730828	15	37	11	4.2	0.7	--	32	.85	4.8	2	138
730828	26	37	11	4.2	0.7	--	33	--	4.7	3	138
740627	3	25	5.8	1.0	0.5	0.8	9.4	.15	4.0	2	86
740627	32	26	6.0	1.1	0.5	0.8	9.4	.14	4.0	1	90
740627	56	30	6.9	0.9	0.5	0.5	7.5	.13	3.9	1k	103
740724	3	27	6.7	1.3	0.6	1.2	12	.16	4.4	1	96
740724	33	24	6.3	1.5	0.4	1.5	15	--	3.7	1	86
740724	66	26	6.5	1.5	0.4	1.5	15	.11	3.9	1	91
740820	3	29	7.1	1.7	0.6	1.6	13	.14	4.3	1k	102
740820	30	30	7.6	1.7	0.5	2.0	14	.13	4.0	1k	106
740820	59	31	8.0	2.4	0.5	2.8	17	.13	4.3	1k	110
740923	3	30	--	1.9	0.5	1.8	15	--	4.0	1	--
740923	42	33	--	3.1	0.6	3.1	23	--	4.2	1k	--
740923	82	34	--	3.5	0.6	3.6	26	--	4.4	1	--
741021	3	31	--	2.3	0.6	2.0	18	--	3.8	3	--
741021	22.5	32	--	2.3	0.6	2.0	18	--	3.8	4	--
741021	42.6	38	--	4.0	0.7	3.9	32	--	4.7	1	--
750722	3.28	26	6.6	1.4	0.4	--	13	.26	3.5	1k	92
750722	16.4	26	--	1.4	0.4	--	14	--	3.5	1k	--
750722	29.9	25	--	1.5	0.4	--	16	--	3.8	1k	--
750722	45.9	25	6.5	1.5	0.4	--	15	.29	3.8	1k	89
750827	3.28	29	7.4	1.5	0.5	--	16	.35	3.8	2	103
750827	16.4	--	--	--	--	--	--	--	3.7	1	--
750827	42.5	--	--	--	--	--	--	--	4.5	1	--
750827	68.9	37	9.5	1.3	0.4	--	17	.22	4.5	2	131
750924	3.28	30	--	1.7	0.5	--	16	--	3.6	1	--
750924	39.4	31	--	1.9	0.5	--	20	--	3.5	--	--
750924	75.5	38	--	1.7	0.5	--	21	--	4.1	1	--
760707	3.28	28	6.7	--	0.5	--	13	--	0.5k	1k	97
760707	39.4	23	5.6	--	0.4	--	11	--	3.6	1k	80
760707	72.2	23	--	--	0.4	--	11	--	3.6	1k	--
760810	3.28	29	6.6	1.6	0.4	--	14	.11	2.8	2	100
760810	42.7	26	--	--	0.4	--	14	--	3.3	1k	--
760810	78.7	32	7.3	1.4	0.4	--	13	.14	3.5	8	110
760907	3.28	26	--	--	0.9	--	13	.13	3.3	1	--
760907	12.5	26	--	--	0.4	--	13	.14	3.2	1	--
760907	72.2	27	--	--	0.5	--	17	.14	4.1	1	--
761007	3.28	27	--	--	0.5	--	14	--	3.4	1	--
761007	36.1	27	--	--	0.5	--	15	--	3.4	2	--
761007	72.2	34	--	--	0.5	--	18	--	3.7	2	--
761103	3.28	30	--	--	0.5	--	15	--	3.7	1k	--
761103	29.5	30	--	--	0.5	--	16	--	3.7	1k	--
761103	52.5	35	--	--	0.6	--	27	--	4.5	2	--
770706	3.28	28	8.0	2.3	0.4	--	20	.12	3.7	3	103
770706	16.4	29	9.1	2.3	0.4	--	21	.15	3.9	2	110
770706	32.8	40	11	1.7	0.4	--	20	.16	3.7	2	145

k = less than indicated value.  
1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 44. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT RIVER MILE 294  
STATION NO. 0200169

DATE	00003 SAMPLE DEPTH FEET	00915 CALCIUM CA MG/L	00925 MGNSIUM MG MG/L	00930 SODIUM NA MG/L	00935 PTSSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4 MG/L	00950 FLUORIDE F MG/L	00955 SILICA SIO2 MG/L	00680 CARBON ORG-C MG/L	00900 T HARD CACO3 MG/L
730829	3	36	12	4.4	0.7	--	34	.84	4.9	4	139
730829	12	38	12	4.4	0.7	--	31	.74	4.9	2	144
730829	20	39	12	4.4	0.7	--	34	.74	4.9	4	147
740725	3	26	6.8	1.3	0.5	1.3	14	.16	4.3	2	94
740725	32	25	6.5	1.5	0.4	1.5	15	.12	3.8	1	88
740725	59	25	6.8	1.7	0.4	1.8	15	.11	3.8	2	90
740821	3	29	7.4	1.8	0.5	1.8	15	.13	4.1	1k	103
740821	31	28	7.5	2.1	0.5	2.2	16	.12	3.9	1k	101
740821	62	32	8.7	2.8	0.6	3.0	24	.13	4.5	1k	116
740925	3	30	--	2.2	0.5	1.9	18	--	3.8	1	--
740925	33	32	--	2.8	0.6	2.6	23	--	4.0	3	--
740925	61	35	--	3.4	0.6	3.2	27	--	4.4	1	--
741023	3	35	--	3.3	0.6	3.1	25	--	3.9	4	--
741023	36	40	--	4.3	0.7	4.1	33	--	5.0	2	--
750805	3.28	28	7.3	1.7	0.5	--	17	.35	3.4	1	100
750805	17.7	28	--	2.0	0.5	--	17	--	3.4	1k	--
750805	39.4	29	7.7	2.5	0.5	--	21	.50	4.3	1k	104
750828	3.28	32	8.5	2.0	0.5	--	21	.58	3.5	9	115
750828	30.8	29	--	1.7	0.5	--	18	--	3.0	4	--
750828	42.7	33	9.2	2.2	0.5	--	24	.71	4.4	3	120
750925	3.28	30	--	1.9	0.6	--	17	--	3.4	3	--
750925	29.9	32	--	2.1	0.5	--	21	--	3.5	1	--
750925	52.5	36	--	3.0	0.6	--	26	--	4.5	2	--
751029	3.28	34	--	2.3	0.5	--	25	--	4.1	1k	--
751029	26.2	36	--	2.8	0.6	--	30	--	4.4	1k	--
751029	45.9	36	--	3.0	0.6	--	31	--	4.5	1k	--
760705	3.28	27	--	--	0.5	--	13	--	1.0	3	--
760705	29.5	22	--	--	0.4	--	11	--	3.7	2	--
760705	52.5	22	5.2	--	0.4	--	11	--	3.7	2	76
760811	3.28	26	6.4	1.6	0.4	--	15	.13	3.0	1	91
760811	32.8	26	--	--	0.3	--	16	--	3.4	1	--
760811	62.3	25	6.9	1.8	0.3	--	15	.11	3.8	1	91
760908	3.28	29	--	--	0.4	--	14	.12	2.8	2	--
760908	31.2	29	--	--	0.4	--	14	.14	2.8	2	--
760908	59.1	30	--	--	0.4	--	19	.13	4.0	3	--
761007	3.28	28	--	--	0.5	--	15	--	3.4	2	--
761007	29.5	28	--	--	0.5	--	16	--	3.4	2	--
761007	55.8	32	--	--	0.5	--	23	--	4.4	2	--
761104	3.28	31	--	--	0.5	--	17	--	3.7	1k	--
761104	23.0	32	--	--	0.5	--	20	--	3.9	2	--
761104	39.4	37	--	--	0.6	--	30	--	4.7	2	--
780704	3.28	23	5.9	--	--	--	--	--	3.5	1k	83
780704	49.2	22	5.7	--	--	--	--	--	3.5	1k	77
780801	3.28	25	7.2	--	--	--	--	--	3.7	1k	93
780801	32.8	27	7.8	--	--	--	--	--	4.0	1k	100
780801	62.3	27	7.2	--	--	--	--	--	4.1	1k	97
780912	3.28	30	7.8	--	--	--	--	--	3.2	1k	107
780912	29.5	29	7.7	--	--	--	--	--	3.2	2	105
780912	59.1	32	9.0	--	--	--	--	--	4.2	1k	117
781012	3.28	31	8.6	--	--	--	--	--	2.4	2	114
781012	29.5	32	8.8	--	--	--	--	--	2.7	2	--
781012	59.1	33	9.3	--	--	--	--	--	4.1	2	120

TABLE 45. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT NORTH END  
STATION NO: 02001872

DATE	00003 SAMPLE DEPTH FEET	00915 CALCIUM CA MG/L	00925 MGNSIUM MG MG/L	00930 SODIUM NA MG/L	00935 PTSSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4 MG/L	00950 FLUORIDE F MG/L	00955 SILICA SIO2 MG/L	00680 CARBON ORG-C MG/L	00900 T HARD CACO3 MG/L
740827	0	31	9.3	2.9	0.5	3.2	24	.13	4.3	1	--
740827	26	32	9.3	2.9	0.5	3.3	24	.14	4.4	1	--
740926	3	37	--	3.9	0.6	3.7	30	--	3.9	2	--
740926	26	37	--	4.1	0.6	3.8	32	--	4.5	2	--
760812	3.28	26	7.0	2.2	0.4	--	17	.13	3.8	3	--
760812	21.3	26	--	--	0.4	--	18	--	3.9	3	--
760812	39.4	26	7.2	2.0	0.4	--	16	.12	3.8	2	--
760909	3.28	27	--	--	0.4	--	19	--	4.0	2	--
760909	26.2	28	--	--	0.4	--	19	--	4.0	2	--
780803	3.28	28	8.4	--	--	--	--	--	4.1	1k	105
780803	23	29	8.5	--	--	--	--	--	4.1	1k	107
780914	3.28	32	9.0	--	--	--	--	--	4.0	1k	117
780914	23	32	9.1	--	--	--	--	--	4.0	1k	118

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 46 LAKE KOOCANUSA AT FOREBAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/06/05	14 00	0215	0.55	0.390				0.000	0.16		0.16
	15 00	0010	0.38	0.250				0.000	0.13		0.13
72/06/13	09 00	0248	0.34	0.150				0.000	0.19		0.19
	09 30	0010	0.28	0.150				0.000	0.13		0.13
72/06/20	10 20	0258	0.48	0.330				0.000	0.15		0.15
	10 40	0010	0.31	0.310				0.000	0.00		0.00
72/06/27	10 15	0260	0.36	0.250		0.110		0.000	0.11		0.11
	11 00	0010	0.24	0.240		0.140		0.000	0.00		0.00
72/07/05	09 45	025A	0.22	0.140				0.000	0.08		0.08
	10 00	0010	0.22	0.210				0.000	0.01		0.01
72/07/12	09 45	0275	0.13	0.130				0.000	0.00		0.00
	10 00	0010	0.14	0.140				0.000	0.00		0.00
72/07/18	09 30	0275	0.38	0.310				0.000	0.07		0.07
	09 45	0010	0.17	0.170				0.000	0.00		0.00
72/07/24	12 45	0290	0.18	0.180		0.050		0.000	0.00		0.00
	13 30	0010	0.27	0.270		0.030		0.000	0.00		0.00
72/08/01	14 45	0265	0.23	0.170				0.000	0.06		0.06
	15 00	0010	0.09	0.090				0.000	0.00		0.00
72/08/08	13 30	0277	0.42	0.310				0.000	0.11		0.11
	13 45	0010	0.41	0.390				0.000	0.02		0.02
72/08/15	13 30	0287	0.15	0.090				0.010	0.05		0.06
	13 45	0010	0.17	0.170				0.000	0.00		0.00
72/08/22	13 15	0269	0.27	0.210				0.010	0.05		0.06
	13 30	0010	0.24	0.240				0.000	0.00		0.00
72/08/28	10 45	0274	0.12	0.120		0.010		0.000	0.00		0.00
	11 00	0010	0.04	0.030		0.020		0.000	0.01		0.01
72/09/05	13 15	0271	0.36	0.270				0.000	0.09		0.09
	13 30	0010	0.14	0.140				0.000	0.00		0.00
72/09/11	12 45	0291	0.45	0.350				0.000	0.10		0.10
	13 00	0010	0.20	0.200				0.000	0.00		0.00
72/09/18	13 15	0280	0.16	0.110				0.000	0.05		0.05
	13 30	0010	0.14	0.140				0.000	0.00		0.00
72/09/25	12 30	0259	0.19	0.130		0.070		0.000	0.06		0.06
	12 45	0010	0.30	0.300		0.070		0.000	0.00		0.00
72/10/02	12 30	0249	0.17	0.090				0.000	0.08		0.08
	12 45	0010	0.11	0.100				0.000	0.01		0.01

TABLE 46 LAKE KOOCANUSA AT FOREBAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/10/10	12 15	0211	0.15	0.150				0.000	0.00		0.00
	12 30	0010	0.20	0.190				0.000	0.01		0.01
72/10/17	10 30	0223	0.27	0.180		0.060		0.010	0.08		0.09
	11 00	0010	0.21	0.180		0.040		0.000	0.03		0.03
72/10/24	13 00	0203	0.23	0.160				0.010	0.06		0.07
	13 30	0010	0.18	0.150				0.000	0.03		0.03
72/10/31	12 45	0194	0.05	0.010				0.000	0.04		0.04
	13 00	0010	0.05	0.030				0.000	0.02		0.02
72/11/06	13 00	0180	0.33	0.270				0.000	0.06		0.06
	13 15	0010	0.22	0.200				0.010	0.01		0.02
72/11/14	10 30	0155	0.25	0.240	0.180	0.060	0.060	0.000	0.01		0.01
	10 45	0010	0.26	0.260		0.040		0.000	0.00		0.00
72/11/21	13 00	0113	0.26	0.180				0.000	0.08		0.08
	13 15	0010	0.21	0.130				0.010	0.07		0.08
72/11/27	13 00	0100	0.30	0.210				0.000	0.09		0.09
	13 15	0010	0.22	0.140				0.010	0.07		0.08
73/04/17	12 00	0060	0.32	0.180				0.000	0.07	0.14	0.07
	12 15	0010	0.28	0.150				0.010	0.05	0.13	0.06
73/04/24	09 30	0095	0.30	0.170	0.040		0.130	0.010	0.12	0.13	0.13
	09 45	0010	0.33	0.320	0.280		0.040	0.000	0.01	0.01	0.01
73/04/30	10 30	0107	0.25	0.170				0.000	0.07	0.08	0.07
	10 45	0010	0.35	0.310				0.000	0.01	0.04	0.01
73/05/07	10 30	0111	0.44	0.330				0.010	0.05	0.11	0.06
	10 45	0010	0.16	0.150				0.000	0.01	0.01	0.01
73/05/14	10 15	0126	0.28	0.130				0.010	0.09	0.15	0.10
	10 45	0010	0.17	0.150				0.000	0.00	0.02	0.00
73/05/21	12 30	0150	0.23	0.130	0.130		0.000	0.010	0.09	0.10	0.10
	13 00	0010	0.17	0.120	0.110		0.010	0.000	0.05	0.05	0.05
73/05/29	10 30	0177	0.19	0.100				0.000	0.06	0.09	0.06
	11 00	0010	0.20	0.160				0.000	0.04	0.04	0.04
73/06/04	10 30	0194	0.19	0.100				0.000	0.05	0.09	0.05
	11 00	0010	0.17	0.130				0.000	0.03	0.04	0.03
73/06/11	11 00	0210	0.23	0.070				0.000	0.11	0.16	0.11
	11 30	0010	0.31	0.200				0.010	0.10	0.11	0.11
73/06/18	10 00	0221	0.38	0.220	0.200		0.020	0.000	0.16	0.16	0.16
	10 30	0010	0.29	0.240	0.200		0.040	0.000	0.04	0.05	0.04

TABLE 46 LAKE KOOCANUSA AT FOREBAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/08/29	11 00	0300		0.120	0.120		0.000	0.010	0.20		0.21
	11 15	0010		0.080	0.080		0.000	0.000	0.01		0.01
	11 30	0030		0.190	0.190		0.000	0.000	0.01		0.01
	11 45	0001		0.210	0.210		0.000	0.000	0.01		0.01
75/09/10	11 15	0300		0.120	0.120		0.000	0.010	0.19		0.20
	11 30	0010		0.120	0.120		0.000	0.000	0.01		0.01
	12 00	0045		0.080	0.080		0.000	0.010	0.00		0.01
	12 15	0025		0.120	0.120		0.000	0.000	0.01		0.01
75/09/24	12 15	0300		0.090	0.090		0.000	0.000	0.20		0.20
	12 45	0010		0.080	0.080		0.000	0.000	0.00		0.00
	13 00	0020		0.070	0.070		0.000	0.000	0.00		0.00
	13 15	0001		0.120	0.120		0.000	0.000	0.00		0.00
75/10/09	10 30	0285		0.140	0.130		0.010	0.000	0.20		0.20
	11 00	0010		0.220	0.210		0.010	0.000	0.02		0.02
	11 15	0030		0.110	0.110		0.000	0.000	0.01		0.01
	11 30	0001		0.080	0.070		0.010	0.000	0.01		0.01
75/10/31	11 00	0300		0.030	0.010		0.020	0.000	0.25		0.25
	11 15	0010		0.270	0.270		0.000	0.010	0.04		0.05
	11 30	0025		0.000	0.000		0.000	0.000	0.05		0.05
	11 45	0001		0.000	0.000		0.000	0.000	0.05		0.05
76/04/20	12 30	0170		0.070	0.040		0.030	0.000	0.19		0.19
	13 00	0010		0.000	0.000		0.020	0.000	0.18		0.18
	13 15	0020		0.050	0.030		0.020	0.000	0.18		0.18
	13 30	0002		0.020	0.000		0.020	0.010	0.17		0.18
76/05/06	11 30	0184		0.000	0.000		0.010	0.000	0.19		0.19
	12 30	0010		0.110	0.090		0.020	0.000	0.12		0.12
	13 00	0015		0.030	0.020		0.010	0.000	0.14		0.14
	13 30	0002		0.000	0.000		0.010	0.000	0.11		0.11
76/05/25	12 15	0248		0.130	0.130		0.000	0.010	0.16		0.17
	12 45	0010		0.180	0.160		0.020	0.000	0.01		0.01
	13 00	0020		0.150	0.120		0.030	0.010	0.03		0.04
	13 15	0005		0.150	0.120		0.030	0.010	0.01		0.02
76/06/04	11 00	0268		0.220	0.100		0.120	0.010	0.16		0.17
	12 30	0010		0.050	0.040		0.010	0.010	0.10		0.11
	13 00	0005		0.400	0.390		0.010	0.010	0.11		0.12
	13 30	0001		0.180	0.170		0.010	0.010	0.11		0.12

TABLE 46 LAKE KOOCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
76/06/22	10 30	0010		0.050	0.040		0.010	0.010	0.04		0.05
	12 30	0281		0.130	0.130		0.000	0.010	0.12		0.13
	13 00	0020		0.130	0.120		0.010	0.010	0.04		0.05
	13 30	0001		0.030	0.020		0.010	0.010	0.04		0.05
76/07/09	11 00	0295		0.020	0.020		0.000	0.000	0.21		0.21
	11 30	0010		0.070	0.050		0.020	0.000	0.03		0.03
	12 00	0025		0.070	0.040		0.030	0.000	0.03		0.03
	12 30	0001		0.050	0.030		0.020	0.000	0.00		0.00
76/07/30	11 00	0305		0.110	0.110		0.000	0.000	0.22		0.22
	12 00	0010		0.170	0.170		0.000	0.000	0.01		0.01
	13 00	0035		0.100	0.090		0.010	0.000	0.00		0.00
	13 30	0001		0.260	0.250		0.010	0.000	0.01		0.01
76/08/11	12 00	0305		0.120	0.120		0.000	0.000	0.22		0.22
	12 30	0010		0.090	0.090		0.000	0.000	0.01		0.01
	13 00	0040		0.100	0.090		0.010	0.000	0.01		0.01
	13 30	0001		0.520	0.520		0.000	0.000	0.01		0.01
76/08/31	11 00	0010		0.020	0.020		0.000	0.000	0.01		0.01
	12 30	0300		0.000	0.000		0.000	0.000	0.27		0.27
	13 00	0040		0.000	0.000		0.000	0.000	0.01		0.01
	13 30	0001		0.080	0.080		0.000	0.000	0.00		0.00
76/09/16	11 00	0304		0.000	0.000		0.000	0.000	0.27		0.27
	13 00	0010		0.070	0.070		0.000	0.000	0.00		0.00
	13 30	0050		0.220	0.220		0.000	0.000	0.00		0.00
	14 00	0001		0.450	0.450		0.000	0.000	0.01		0.01
76/09/29	10 30	0010		0.000	0.000		0.000	0.000	0.03		0.03
	11 00	0307		0.430	0.430		0.000	0.000	0.30		0.30
	13 00	0040		0.200	0.200		0.000	0.000	0.57		0.57
	13 30	0001		0.160	0.160		0.000	0.000	0.01		0.01
76/10/14	11 00	0010	0.02	0.000	0.000		0.000	0.000		0.02	0.02
	11 30	0300	0.29	0.000	0.000		0.000	0.000		0.29	0.25
	12 00	0002	0.11	0.090	0.090		0.000	0.000		0.02	0.01
76/10/26	11 30	0010	0.24	0.170	0.170		0.000	0.000		0.07	0.06
	13 30	0002	0.28	0.220	0.220		0.000	0.000		0.06	0.06
	14 00	0300	0.45	0.120	0.120		0.000	0.000		0.33	0.33
77/05/04	13 00	0212	0.67	0.530	0.520		0.010	0.010		0.14	0.14
	13 30	0010	0.25	0.240	0.230		0.010	0.010		0.01	0.01

TABLE 46 LAKE KOOCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060R NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061R NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
77/05/04	13 45	0002	0.03	0.020	0.020		0.000			0.01	
77/05/24	12 00	0230	0.12	0.030	0.030		0.000			0.09	
	13 00	0010	0.20	0.190	0.180		0.010			0.01	
	13 30	0002	0.09	0.080	0.070		0.010			0.01	
77/06/13	11 30	0010	0.07	0.060	0.020		0.040			0.01	
	12 45	0250	0.09	0.010	0.000		0.010			0.08	
	13 15	0001	0.51	0.500	0.490		0.010			0.01	
77/06/29	11 00	0010	0.39	0.350	0.320		0.030			0.04	0.03
	11 30	0262	0.24	0.130	0.120		0.010			0.11	0.11
	12 30	0002	0.39	0.340	0.310		0.030			0.05	0.05
77/07/14	11 30	0010	0.01	0.000	0.000		0.000			0.01	
	12 00	0262	0.11	0.000	0.000		0.000			0.11	
	12 30	0002	0.01	0.000	0.000		0.000			0.01	
77/07/27	11 00	0010	0.16	0.150	0.150		0.000			0.01	
	11 30	0255	0.21	0.100	0.100		0.000			0.11	
	12 00	0002	0.15	0.140	0.140		0.000			0.01	
77/08/16	09 30	0258	0.15	0.020	0.010		0.010			0.13	0.19
	10 00	0010	0.07	0.050	0.040		0.010			0.02	0.02
	10 30	0002	0.01	0.000	0.000		0.010			0.01	0.00
77/08/31	12 30	0260	0.21	0.050	0.050		0.000			0.16	
	13 00	0002	0.14	0.110	0.110		0.000			0.03	
77/09/30	11 00	0010	0.03	0.020	0.020		0.000			0.01	
	11 30	0260	0.18	0.050	0.050		0.000			0.13	
	12 00	0002	0.02	0.000	0.000		0.000			0.02	
77/10/12	10 30	0010	0.12	0.090	0.090		0.000			0.03	0.08
	12 00	0255	0.27	0.070	0.070		0.000			0.20	0.19
	12 30	0002	0.12	0.070	0.070		0.000			0.05	0.07
77/10/26	10 30	0010	0.29	0.260	0.260		0.000			0.03	
	11 30	0254	0.39	0.230	0.200		0.030			0.16	
	12 00	0002	0.27	0.240	0.240		0.000			0.03	
78/05/09	12 30	0214	0.38	0.230	0.220		0.010			0.15	
	12 45	0010	0.35	0.340	0.330		0.010			0.01	
	13 00	0002	0.63	0.590	0.580		0.010			0.04	
78/05/26	11 00	0010	0.22	0.180	0.170		0.010			0.04	
	11 30	0245	0.47	0.320	0.320		0.000			0.15	
	12 00	0002	0.75	0.730	0.730		0.000			0.02	

TABLE 46 LAKE KOOCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060R NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061R NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
78/06/14	10 30	0010	0.22	0.170	0.160		0.010			0.05	
	11 00	0277	0.38	0.200	0.190		0.010			0.18	
	11 30	0002	0.30	0.250	0.240		0.010			0.05	
78/06/28	10 30	0010	0.30	0.180	0.170		0.010			0.12	0.04
	11 00	0290	0.40	0.190	0.180		0.010			0.21	0.23
	12 00	0002	0.31	0.190	0.180		0.010			0.12	0.04
78/06/29	13 00	0010	0.24	0.180	0.170		0.010			0.06	0.01
78/07/12	11 30	0010	0.28	0.240	0.240		0.000			0.04	
	12 00	0305	0.42	0.250	0.250		0.000			0.17	
	12 30	0002	0.30	0.270	0.240		0.030			0.03	
78/07/26	10 30	0010	0.19	0.180	0.180		0.000			0.01	
	12 30	0308	0.59	0.390	0.390		0.000			0.20	
	13 00	0002	0.16	0.140	0.140		0.000			0.02	
78/08/09	11 00	0010	0.22	0.220	0.210		0.010			0.00	
	11 30	0310	0.47	0.250	0.250		0.000			0.22	
	12 00	0002	0.19	0.190	0.180		0.010			0.00	
78/08/30	10 30	0010	0.17	0.170	0.160		0.010			0.00	
	11 00	0310	0.33	0.150	0.140		0.010			0.18	
	11 30	0002	0.32	0.310	0.300		0.010			0.01	
78/09/13	10 30	0010	0.16	0.150						0.01	
	11 00	0307	0.38	0.170						0.21	
	11 30	0002	0.34	0.340	0.340		0.000			0.00	
78/09/27	10 30	0010	0.15	0.140	0.140		0.000			0.01	
	11 00	0303	0.35	0.160	0.160		0.000			0.19	
	11 30	0002	0.13	0.120	0.120		0.000			0.01	
78/10/12	11 00	0010	1.40	1.400	1.400		0.010			0.02	0.00
	11 30	0305	0.91	0.730	0.720		0.010			0.18	0.01
	12 00	0002	0.68	0.660	0.650		0.010			0.02	0.06
78/10/25	10 30	0010					0.010			0.02	
	11 00	0302					0.010			0.18	
	11 30	0002					0.010			0.02	



TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060R NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/06/06	13 00	0152	0.33	0.200				0.000	0.13		0.13
	13 30	0010	0.24	0.220				0.000	0.02		0.02
72/06/13	11 30	0181	0.16	0.050				0.000	0.11		0.11
	12 00	0010	0.14	0.120				0.000	0.02		0.02
72/06/20	13 30	0191	0.30	0.230				0.000	0.07		0.07
	13 45	0010	0.24	0.240				0.000	0.00		0.00
72/06/27	13 15	0190	0.23	0.230		0.100		0.000	0.00		0.00
	14 00	0010	0.23	0.230		0.100		0.000	0.00		0.00
72/07/05	12 30	0202	0.33	0.270				0.000	0.06		0.06
	12 45	0010	0.24	0.240				0.000	0.00		0.00
72/07/12	13 00	0205	0.17	0.150				0.000	0.02		0.02
	13 15	0010	0.25	0.200				0.000	0.05		0.05
72/07/19	14 15	0218	0.35	0.250				0.000	0.10		0.10
	14 30	0010	0.15	0.140				0.000	0.01		0.01
72/07/25	12 45	0220	0.16	0.140		0.020		0.000	0.02		0.02
	13 15	0010	0.14	0.140		0.010		0.000	0.00		0.00
72/08/01	11 15	0220	0.16	0.090				0.010	0.06		0.07
	11 30	0010	0.05	0.050				0.000	0.00		0.00
72/08/08	10 15	0221	0.17	0.110				0.000	0.06		0.06
	10 30	0010	0.37	0.370				0.000	0.00		0.00
72/08/15	10 30	0214	0.19	0.110				0.000	0.08		0.08
	10 45	0010	0.27	0.270				0.000	0.00		0.00
72/08/22	10 15	0210	0.30	0.260				0.010	0.03		0.04
	10 30	0010	0.23	0.220				0.010	0.00		0.01
72/08/29	10 15	0212	0.21	0.170		0.040		0.000	0.04		0.04
	10 30	0010	0.22	0.220		0.020		0.000	0.00		0.00
72/09/05	10 15	0214	0.29	0.180				0.000	0.11		0.11
	10 30	0010	0.21	0.210				0.000	0.00		0.00
72/09/11	10 00	0218	0.31	0.190				0.000	0.12		0.12
	10 15	0010	0.23	0.230				0.000	0.00		0.00
72/09/18	10 15	0214	0.18	0.130				0.000	0.05		0.05
	10 30	0010	0.14	0.140				0.000	0.00		0.00
72/09/26	10 15	0201	0.19	0.160		0.010		0.000	0.03		0.03
	10 30	0010	0.49	0.490		0.010		0.000	0.00		0.00
72/10/02	10 00	0188	0.18	0.100				0.000	0.08		0.08
	10 15	0010	0.16	0.160				0.000	0.00		0.00

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	0060R NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/10/10	09 45	0095	0.31	0.310				0.000	0.00		0.00
72/10/16	11 30	0165	0.18	0.120		0.070		0.000	0.06		0.06
	12 00	0010	0.15	0.130		0.080		0.000	0.02		0.02
72/10/24	10 15	0152	0.21	0.170				0.010	0.03		0.04
	10 45	0010	0.11	0.100				0.000	0.01		0.01
72/10/31	11 00	0128	0.36	0.330				0.000	0.03		0.03
	11 15	0010	0.06	0.050				0.000	0.01		0.01
72/11/06	10 15	0115	0.41	0.380				0.000	0.03		0.03
	10 30	0010	0.17	0.160				0.000	0.01		0.01
72/11/13	12 30	0098	0.19	0.120		0.050		0.000	0.07		0.07
	12 45	0010	0.27	0.230		0.050		0.000	0.04		0.04
72/11/21	10 15	0076	0.34	0.210				0.000	0.13		0.13
	10 30	0010	0.32	0.190				0.000	0.13		0.13
72/11/27	10 45	0059	0.42	0.310				0.000	0.11		0.11
	11 00	0010	0.45	0.200				0.000	0.25		0.25
73/03/14	13 00	0062	0.42	0.190	0.060		0.130	0.000	0.23	0.23	0.23
	13 30	0010	0.32	0.110	0.020		0.090	0.000	0.21	0.21	0.21
73/04/16	13 00	0045	0.26	0.240				0.000	0.01	0.02	0.01
	13 15	0010	0.13	0.130				0.000	0.00	0.00	0.00
73/04/25	09 30	0050	0.26	0.190	0.160		0.030	0.000	0.05	0.07	0.05
	10 00	0010	0.18	0.140	0.120		0.020	0.000	0.04	0.04	0.04
73/04/30	12 30	0057	0.22	0.150				0.000	0.04	0.07	0.04
	12 45	0010	0.17	0.170				0.000	0.00	0.00	0.00
73/05/07	13 15	0010	0.37	0.370				0.000	0.00	0.00	0.00
	13 30	0062	0.21	0.170				0.000	0.03	0.04	0.03
73/05/14	12 45	0076	0.26	0.100				0.010	0.08	0.16	0.09
	13 00	0010	0.25	0.160				0.000	0.06	0.09	0.06
73/05/23	10 00	0110	0.21	0.090	0.090		0.000	0.000	0.08	0.12	0.08
	10 30	0010	0.24	0.200	0.170		0.030	0.000	0.01	0.04	0.01
73/05/29	13 15	0128	0.30	0.140				0.020	0.14	0.16	0.16
	13 30	0010	0.25	0.250				0.000	0.00	0.00	0.00
73/06/04	13 00	0143	0.24	0.130				0.000	0.07	0.11	0.07
	13 30	0010	0.25	0.240				0.000	0.00	0.01	0.00
73/06/11	13 30	0165	0.35	0.190				0.010	0.12	0.16	0.13
	14 00	0010	0.39	0.370				0.010	0.00	0.02	0.00
73/06/19	10 00	0177	0.35	0.210	0.210		0.000	0.000	0.14	0.14	0.14

TABLE 47 LAKE KOCCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/06/19	10 30	0010	0.23	0.220	0.210		0.010	0.010	0.00	0.01	0.01
73/06/27	12 30	0192	0.26	0.130				0.000	0.13	0.13	0.13
	13 00	0010	0.26	0.260				0.000	0.00	0.00	0.00
73/07/02	13 00	0198	0.24	0.130				0.000	0.07	0.11	0.07
	13 30	0010	0.17	0.170				0.000	0.00	0.00	0.00
73/07/09	13 30	0206	0.28	0.140				0.010	0.12	0.14	0.12
	14 00	0010	0.17	0.170				0.000	0.00	0.00	0.00
73/07/17	11 00	0210	0.11	0.010			0.090	0.010	0.09	0.10	0.10
	11 30	0010	0.31	0.310	0.250		0.060	0.000	0.00	0.00	0.00
73/07/23	13 30	0190	0.35	0.220				0.010	0.12	0.13	0.13
	14 00	0010	0.27	0.230				0.000	0.00	0.04	0.00
73/07/30	13 00	0204	0.34	0.200				0.000	0.13	0.14	0.13
	13 30	0010	0.20	0.200				0.000	0.00	0.00	0.00
73/08/06	13 00	0218						0.020	0.10	0.13	0.12
	13 30	0010	0.10	0.100				0.000	0.00	0.00	0.00
73/08/14	11 30	0218	0.99	0.800	0.780		0.020	0.000	0.19	0.19	0.19
	12 00	0010	0.13	0.110	0.090		0.020	0.000	0.01	0.02	0.01
73/08/20	14 30	0216	0.36	0.190				0.000	0.17	0.17	0.17
	15 00	0010	0.20	0.180				0.000	0.02	0.02	0.02
73/08/28	13 00	0210	0.27	0.060				0.000	0.21	0.21	0.21
	13 30	0010	0.14	0.100				0.000	0.04	0.04	0.04
73/09/04	13 00	0205	0.28	0.090				0.000	0.19	0.19	0.19
	13 30	0010	0.19	0.160				0.000	0.02	0.03	0.02
73/09/14	10 00	0197	0.27	0.120	0.080		0.040	0.000	0.13	0.15	0.13
	10 30	0010	0.17	0.160	0.130		0.030	0.000	0.00	0.01	0.00
73/09/17	13 30	0197	0.28	0.100				0.000	0.17	0.18	0.17
	14 00	0010	0.31	0.090				0.000	0.20	0.22	0.20
73/09/24	13 00	0191	0.20	0.050				0.010	0.14	0.15	0.15
	13 30	0010	0.05	0.030				0.010	0.00	0.02	0.01
73/10/02	10 30	0186	0.34	0.170	0.170		0.000	0.000	0.14	0.17	0.14
	11 00	0010	0.20	0.180	0.150		0.030	0.000	0.01	0.02	0.01
73/10/10	11 00	0182	0.15	0.080				0.000	0.08	0.07	0.08
	11 30	0010	0.07	0.050				0.010	0.01	0.02	0.02
73/10/16	13 30	0180	0.41	0.200				0.000	0.19	0.21	0.19
	14 00	0010	0.10	0.070				0.010	0.01	0.03	0.02
73/10/24	11 30	0178	0.28	0.210				0.010	0.02	0.07	0.03

TABLE 47 LAKE KOCCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/10/24	12 00	0010	0.51	0.280				0.000	0.12	0.23	0.12
73/10/29	13 30	0177	0.35	0.270				0.010	0.07	0.08	0.08
	14 00	0010	0.36	0.090				0.010	0.03	0.27	0.04
73/11/13	12 30	0010	0.17	0.120				0.000	0.05	0.05	0.05
	13 00	0170	0.07	0.030				0.010	0.02	0.04	0.03
73/11/29	10 30	0170	0.26	0.180	0.140		0.040	0.010	0.06	0.08	0.07
	11 00	0010	0.26	0.180	0.160		0.020	0.000	0.06	0.08	0.06
73/12/05	12 30	0170	0.38	0.280				0.010	0.07	0.10	0.08
	13 00	0010	0.26	0.150				0.000	0.03	0.11	0.06
73/12/19	13 00	0173	0.33	0.270				0.000	0.04	0.06	0.04
	13 30	0010	0.23	0.160				0.010	0.05	0.07	0.06
74/04/03	14 30	0118	0.37	0.280				0.000	0.03	0.09	0.03
	15 00	0010	0.33	0.230				0.000	0.03	0.10	0.03
74/04/10	13 30	0114	0.44	0.240				0.000	0.20	0.20	0.20
	14 00	0010	0.54	0.410				0.000	0.13	0.13	0.13
74/04/17	13 00	0116	0.27	0.230				0.000	0.04	0.04	0.04
	13 30	0010						0.000	0.08	0.08	0.08
74/04/25	10 30	0116	0.26	0.210	0.090		0.120	0.010	0.03	0.05	0.04
	11 00	0010	0.29	0.240	0.160		0.080	0.010	0.06	0.05	0.07
74/05/02	13 30	0117	0.30	0.250				0.000	0.05	0.05	0.05
	14 00	0010	0.22	0.140				0.000	0.08	0.08	0.08
74/05/08	13 30	0115	1.20	1.100				0.010	0.08	0.09	0.09
	14 00	0010	0.32	0.270				0.010	0.04	0.05	0.05
74/05/16	12 30	0133	0.31	0.240				0.000	0.07	0.07	0.07
	13 00	0010	0.17	0.130				0.000	0.03	0.04	0.03
74/05/23	10 00	0140	0.37	0.220	0.100		0.120	0.010	0.12	0.15	0.13
	10 30	0010	0.28	0.200	0.160		0.040	0.000	0.08	0.08	0.08
74/05/29	13 30	0147	0.58	0.470				0.000	0.12	0.11	0.12
	14 00	0010	0.52	0.500				0.000	0.02	0.02	0.02
74/06/13	10 00	0176		0.320	0.200		0.120	0.010	0.46		0.07
	10 30	0010		0.390	0.320		0.070	0.000	0.03		0.03
	11 00	0005		0.280	0.230		0.050	0.000	0.01		0.01
	11 15	0001		0.280	0.240		0.040	0.000	0.01		0.01
74/06/27	12 30	0234		0.170	0.100		0.070	0.000	0.14		0.14
	13 00	0017		0.200	0.150		0.050	0.000	0.03		0.03
	13 15	0010		0.120	0.110		0.010	0.000	0.00		0.00

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KjEL N MG/L	00605 ORG N N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/06/27	13 45	0003					0.010	0.010	0.00		0.00
74/07/11	10 45	0250		0.190	0.160		0.030	0.000	0.13		0.13
	11 00	0010		0.130	0.010		0.120	0.000	0.00		0.00
	11 15	0005		0.380	0.330		0.050	0.000	0.00		0.00
	11 30	0000		0.300	0.260		0.040	0.000	0.01		0.01
74/07/25	11 30	0260		0.150	0.090		0.060	0.000	0.13		0.13
	12 00	0010		0.190	0.140		0.050	0.000	0.01		0.01
	13 00	0019		0.000	0.000		0.030	0.000	0.01		0.01
	13 30	0002		0.250	0.190		0.060	0.000	0.02		0.02
74/08/08	10 45	0260		0.200	0.160		0.040	0.000	0.13		0.13
	11 00	0025		0.290	0.030		0.260	0.000	0.01		0.01
	11 30	0010		0.280	0.160		0.120	0.000	0.01		0.01
	11 45	0001		0.280	0.020		0.260	0.000	0.00		0.00
74/08/22	13 00	0259		0.090	0.020		0.070	0.000	0.17		0.17
	13 30	0010		0.240	0.060		0.180	0.000	0.01		0.01
	14 00	0031		0.090	0.030		0.060	0.000	0.00		0.00
	14 30	0003		0.150	0.080		0.070	0.000	0.00		0.00
74/09/03	11 45	0262		0.470	0.120		0.350	0.000	0.17		0.17
	12 00	0010		1.100	0.170		0.930	0.000	0.03		0.03
	12 30	0035		0.220	0.160		0.060	0.000	0.00		0.00
	12 45	0001		0.200	0.030		0.170	0.000	0.01		0.01
74/09/19	11 30	0258		0.100	0.000		0.100	0.000	0.20		0.20
	12 00	0010		0.100	0.070		0.030	0.110	0.00		0.01
	13 00	0038		0.130	0.110		0.020	0.000	0.00		0.00
	13 15	0001		0.070	0.020		0.050	0.000	0.00		0.00
74/10/03	11 30	0255		0.120	0.110		0.010	0.010	0.12		0.13
	12 00	0010		0.080	0.070		0.010	0.000	0.00		0.00
	12 15	0025		0.080	0.070		0.010	0.010	0.00		0.00
	12 30	0001		0.260	0.250		0.010	0.000	0.00		0.00
74/10/15	13 00	0241		0.140	0.100		0.040	0.000	0.22		0.22
	13 15	0010		0.360	0.010		0.350	0.000	0.00		0.00
	13 45	0034		0.130	0.020		0.110	0.000	0.06		0.06
	14 00	0003		0.280	0.130		0.150	0.000	0.01		0.01
74/10/29	10 45	0230		0.110	0.010		0.100	0.000	0.23		0.23
	11 15	0010		0.090	0.000		0.100	0.000	0.03		0.03
	11 30	0025		0.100	0.030		0.070	0.010	0.02		0.03

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KjEL N MG/L	00605 ORG N N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/10/29	11 45	0001		0.090	0.010		0.080	0.010	0.02		0.03
74/11/19	12 30	0214		0.040	0.010		0.030	0.000	0.07		0.07
	13 00	0010		0.120	0.070		0.050	0.000	0.07		0.07
	13 15	0016		0.090	0.060		0.030	0.000	0.07		0.07
	13 30	0000		0.160	0.090		0.070	0.000	0.07		0.07
75/04/16	12 45	0090		0.470	0.460		0.010	0.010	0.09		0.10
	13 15	0010		0.370	0.340		0.030	0.010	0.07		0.08
	13 30	0012		0.340	0.320		0.070	0.010	0.07		0.08
	14 00	0001		0.270	0.260		0.010	0.010	0.07		0.08
75/05/05	12 15	0085		0.190	0.120		0.070	0.000	0.05		0.05
	12 45	0010		0.150	0.120		0.030	0.000	0.08		0.08
	13 15	0005		0.220	0.180		0.040	0.000	0.10		0.10
	13 45	0001		0.190	0.150		0.040	0.000	0.08		0.08
75/05/21	12 15	0112		0.170	0.120		0.050	0.000	0.05		0.05
	12 30	0010		0.120	0.120		0.000	0.000	0.14		0.14
	13 00	0003		0.170	0.170		0.000	0.000	0.14		0.14
	13 15	0001		0.140	0.140		0.000	0.000	0.14		0.14
75/06/03	12 30	0132		0.550	0.120		0.430	0.010	0.04		0.05
	13 00	0010		0.920	0.330		0.590	0.010	0.06		0.07
	13 30	0005		2.000	1.400		0.590	0.010	0.10		0.11
	14 00	0001		1.300	0.740		0.560	0.010	0.08		0.09
75/06/24	12 30	0165		0.390	0.390		0.000	0.000	0.10		0.10
	12 45	0010		0.460	0.440		0.020	0.000	0.02		0.02
	13 00	0015		0.160	0.150		0.010	0.000	0.03		0.03
	13 15	0001		0.350	0.330		0.020	0.000	0.03		0.03
75/07/14	12 45	0210		0.300	0.300		0.000	0.000	0.00		0.00
	13 15	0010		0.380	0.380		0.000	0.000	0.21		0.21
	13 30	0020		0.160	0.130		0.030	0.000	0.00		0.00
	13 45	0002		0.220	0.190		0.030	0.000	0.00		0.00
75/07/28	12 30	0250		0.300	0.300		0.000	0.000	0.08		0.08
	13 00	0010		0.470	0.470		0.000	0.010	0.00		0.01
	13 30	0030		0.250	0.250		0.000	0.010	0.01		0.02
	13 45	0020		0.210	0.210		0.000	0.010	0.00		0.01
75/08/11	12 30	0235		0.010	0.010		0.000	0.010	0.21		0.22
	13 00	0010		0.050	0.040		0.010	0.000	0.00		0.00
	13 30	0035		0.010	0.010		0.000	0.000	0.00		0.00

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/08/11	14 00	0002		0.010	0.010		0.000	0.010	0.03		0.04
75/08/26	12 00	0248		0.080	0.080		0.000	0.010	0.18		0.19
	12 15	0010		0.080	0.080		0.000	0.000	0.00		0.00
	12 45	0030		0.120	0.120		0.000	0.010	0.00		0.01
	13 00	0001		0.040	0.040		0.000	0.000	0.00		0.00
75/09/09	11 30	0240		0.300	0.300		0.000	0.010	0.17		0.18
	12 00	0010		0.080	0.080		0.000	0.010	0.00		0.01
	12 15	0040		0.120	0.120		0.000	0.000	0.00		0.00
	12 30	0002		0.120	0.120		0.000	0.000	0.00		0.00
75/09/23	13 15	0239		0.110	0.110		0.000	0.010	0.13		0.14
	13 30	0010		0.080	0.080		0.000	0.000	0.00		0.00
	13 45	0020		0.100	0.100		0.000	0.000	0.00		0.00
	14 00	0001		0.050	0.050		0.000	0.010	0.00		0.01
75/10/06	11 30	0245		0.080	0.060		0.020	0.000	0.13		0.13
	12 00	0010		0.080	0.060		0.020	0.000	0.01		0.01
	13 00	0030		0.110	0.100		0.010	0.000	0.00		0.00
	13 15	0001		0.030	0.020		0.010	0.000	0.00		0.00
75/10/28	12 00	0232		0.170	0.160		0.010	0.000	0.12		0.12
	12 15	0010		0.170	0.160		0.010	0.000	0.03		0.03
	12 30	0030		0.140	0.120		0.020	0.010	0.02		0.03
	12 45	0001		0.210	0.180		0.030	0.000	0.02		0.02
76/04/12	13 00	0105		0.030	0.030		0.000	0.010	0.19		0.20
	13 30	0010		0.130	0.110		0.020	0.010	0.18		0.19
	14 00	0015					0.030	0.010	0.18		0.19
	14 30	0002		0.030	0.000		0.030	0.010	0.17		0.18
76/05/04	11 30	0127		0.040	0.030		0.010	0.000	0.18		0.18
	12 30	0010		0.140	0.130		0.010	0.010	0.15		0.16
	13 00	0005		0.300	0.290		0.010	0.000	0.17		0.17
	13 30	0001		0.050	0.040		0.010	0.000	0.17		0.17
76/05/24	12 00	0179		0.130	0.110		0.020	0.010	0.16		0.17
	12 30	0010		0.180	0.150		0.030	0.030	0.07		0.10
	12 45	0020		0.130	0.110		0.020	0.030	0.10		0.13
	13 00	0005		0.130	0.090		0.040	0.040	0.08		0.12
76/06/03	11 00	0187		0.180	0.180		0.000	0.010	0.16		0.17
	11 30	0010		0.280	0.250		0.030	0.010	0.04		0.05
	13 00	0005		0.280	0.250		0.030	0.010	0.02		0.03

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
76/06/03	13 30	0001		0.330	0.300		0.030	0.010	0.01		0.02
76/06/21	11 30	0225		0.230	0.220		0.010	0.010	0.19		0.20
	12 30	0010		0.180	0.140		0.040	0.010	0.06		0.07
	13 00	0015		0.150	0.110		0.040	0.010	0.08		0.09
	13 30	0001		0.130	0.110		0.020	0.010	0.06		0.07
76/07/06	11 30	0250		0.050	0.050		0.000	0.000	0.21		0.21
	12 00	0010		0.060	0.060		0.000	0.000	0.00		0.00
	13 00	0025		0.110	0.110		0.000	0.000	0.06		0.06
	13 30	0002		0.090	0.090		0.000	0.000	0.00		0.00
76/07/29	12 30	0245		0.450	0.450		0.000	0.000	0.22		0.22
	13 00	0010		0.110	0.110		0.000	0.000	0.00		0.00
	13 30	0030		0.120	0.120		0.000	0.000	0.00		0.00
	14 00	0001		0.160	0.160		0.000	0.000	0.00		0.00
76/08/09	12 00	0248		0.000	0.000		0.000	0.000	0.22		0.22
	12 30	0010		0.000	0.000		0.000	0.000	0.02		0.02
	13 00	0040		0.130	0.120		0.010	0.000	0.01		0.01
	13 30	0001		0.000	0.000		0.000	0.000	0.01		0.01
76/08/30	12 30	0245		0.000	0.000		0.000	0.000	0.21		0.21
	13 00	0010		0.000	0.000		0.000	0.000	0.01		0.01
	13 30	0040		0.000	0.000		0.000	0.000	0.02		0.02
	14 00	0001		0.000	0.000		0.000	0.000	0.01		0.01
76/09/14	10 30	0245		0.000	0.000		0.000	0.000	0.17		0.17
	12 30	0010		0.080	0.080		0.000	0.000	0.00		0.00
	13 00	0040		0.020	0.020		0.000	0.000	0.00		0.00
	13 30	0001		0.000	0.000		0.000	0.000	0.00		0.00
76/09/27	10 30	0010		0.770	0.770		0.000	0.000	0.01		0.01
	11 00	0245		0.240	0.240		0.000	0.000	0.18		0.18
	13 00	0040		2.400	2.400		0.000	0.010	0.03		0.04
	13 30	0001		2.100	2.100		0.000	0.000	0.00		0.00
76/10/12	10 30	0010	0.03	0.000	0.000		0.000			0.03	0.01
	11 00	0230		0.20	0.000		0.000			0.20	0.04
	12 30	0002	0.13	0.120	0.120		0.000			0.01	0.01
76/10/28	11 00	0010	0.05	0.050	0.040		0.010			0.00	0.00
	11 30	0001	0.02	0.000	0.000		0.010			0.02	0.00
	13 00	0230	0.29	0.010	0.000		0.010			0.28	0.00
77/05/10	12 00	0170	0.03	0.000	0.000		0.020			0.03	0.03

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
77/05/10	12 15	0010	0.00	0.000	0.000		0.000			0.00	
	12 30	0001	0.01	0.000	0.000		0.000			0.01	
77/05/23	12 00	0010	0.31	0.300	0.270		0.030			0.01	
	13 00	0185	0.20	0.150	0.110		0.040			0.05	
	13 30	0002	0.11	0.100	0.080		0.020			0.01	
77/06/14	11 00	0010	0.15	0.070	0.040		0.030			0.08	
	12 00	0206	0.04	0.010	0.010		0.000			0.03	
	12 15	0002	0.23	0.160	0.130		0.030			0.07	
77/06/27	11 30	0010	0.19	0.160	0.110		0.050			0.03	0.04
	12 30	0219	0.14	0.050	0.040		0.010			0.09	0.08
	13 00	0002	0.11	0.080	0.040		0.040			0.03	0.02
77/07/11	12 00	0010	0.00	0.000	0.000		0.000			0.00	
	12 30	0214	0.16	0.070	0.070		0.000			0.09	
	13 00	0002	0.00	0.000	0.000		0.000			0.00	
77/07/25	11 30	0010	0.03	0.020	0.020		0.000			0.01	
	12 00	0218	0.10	0.000	0.000		0.000			0.10	
	12 30	0002	0.01	0.000	0.000		0.000			0.01	
77/08/15	13 00	0214	0.54	0.450	0.450		0.000			0.09	
	13 30	0010	0.50	0.500	0.500		0.000			0.00	
	14 00	0002	0.68	0.680	0.680		0.000			0.00	
77/08/29	11 30	0010	0.16	0.150	0.130		0.020			0.01	
	12 00	0210	0.13	0.000	0.000		0.000			0.13	
	12 30	0002	0.01	0.000	0.000		0.010			0.01	
77/09/12	11 30	0010	0.17	0.110	0.110		0.000			0.06	
	12 30	0210	0.40	0.150	0.150		0.000			0.25	
	13 00	0002	0.14	0.080	0.050		0.030			0.06	
77/09/28	12 30	0215	0.16	0.010	0.010		0.000			0.15	
	13 00	0010	0.03	0.020	0.020		0.000			0.01	
	13 30	0002	0.03	0.020	0.020		0.000			0.01	
77/10/11	12 00	0010	0.13	0.050	0.030		0.020			0.08	0.03
	13 00	0207	0.89	0.690	0.670		0.070			0.20	0.18
	13 30	0002	0.28	0.170	0.160		0.010			0.11	0.05
77/10/25	11 00	0010	0.06	0.050	0.050		0.000			0.01	
	13 00	0203	0.36	0.230	0.230		0.000			0.13	
	13 30	0002	0.06	0.050	0.050		0.000			0.01	
78/05/08	13 00	0158	0.34	0.190	0.160		0.030			0.15	

TABLE 47 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
78/05/08	13 15	0010	0.43	0.340	0.290		0.050			0.09	
	13 30	0002	0.38	0.290	0.280		0.010			0.09	
78/05/25	11 30	0010	0.54	0.480	0.470		0.010			0.06	
	12 00	0187	0.31	0.210	0.210		0.000			0.10	
	12 30	0002	0.19	0.140	0.140		0.000			0.05	
	13 00	0025				0.000					
78/06/13	11 00	0010	0.26	0.180	0.150		0.030			0.08	
	11 30	0220	0.26	0.080	0.070		0.010			0.18	
	12 00	0002	0.26	0.210	0.200		0.010			0.05	
78/06/27	11 00	0010	0.27	0.170	0.140		0.030			0.10	0.07
	11 30	0235	0.80	0.600	0.570		0.030			0.20	0.18
	12 00	0002	0.25	0.150	0.140		0.010			0.10	0.08
78/07/11	11 30	0010	0.19	0.160	0.160		0.000			0.03	
	12 00	0250	0.51	0.360	0.360		0.000			0.15	
	12 30	0002	0.36	0.330	0.330		0.000			0.03	
78/07/24	10 30	0010	0.08	0.070	0.070		0.000			0.01	
	11 00	0253	0.42	0.280	0.280		0.000			0.14	
	11 30	0002	0.09	0.090	0.090		0.000			0.00	
78/08/08	11 00	0010	0.12	0.110	0.110		0.000			0.01	
	11 30	0258	0.28	0.120	0.120		0.000			0.16	
	12 00	0002	0.13	0.120	0.120		0.000			0.01	
78/08/29	11 30	0010	0.30	0.300	0.290		0.010			0.00	
	12 00	0258	0.67	0.500	0.490		0.010			0.17	
	12 30	0002	0.12	0.120	0.110		0.010			0.00	
78/09/12	11 30	0010	0.27	0.260	0.260		0.000			0.01	
	12 00	0255	0.39	0.220	0.220		0.000			0.17	
	12 30	0002	0.24	0.240	0.240		0.000			0.00	
78/09/26	10 30	0010	0.25	0.240	0.240		0.000			0.01	
	11 00	0255	0.31	0.140	0.140		0.000			0.17	
	11 30	0002	0.16	0.160	0.160		0.000			0.00	
78/10/10	11 30	0010					0.000			0.01	0.01
	12 00	0251					0.000			0.18	0.20
	12 30	0002					0.000			0.01	0.01
78/10/23	11 30	0010					0.000			0.01	
	12 00	0245					0.010			0.17	
	12 30	0002					0.010			0.01	

TABLE 48 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/06/07	14 00	0069						0.000	0.12		0.12
	14 30	0010						0.010	0.12		0.13
72/06/14	10 30	0122	0.34	0.260				0.000	0.08		0.08
	11 00	0010	0.35	0.280				0.010	0.06		0.07
72/06/21	09 15	0116	0.25	0.130				0.000	0.12		0.12
	09 30	0010	0.69	0.430				0.000	0.27		0.26
72/06/28	08 45	0131	0.27	0.220	0.180	0.040		0.000	0.05		0.05
	09 15	0010	0.22	0.180	0.140	0.040		0.000	0.04		0.04
72/07/06	08 45	0122	0.14	0.090				0.000	0.05		0.05
	09 00	0010	0.11	0.110				0.000	0.00		0.00
72/07/13	10 00	0161	0.12	0.070				0.000	0.05		0.05
	10 15	0010	0.09	0.090				0.000	0.00		0.00
72/07/19	08 00	0162	0.22	0.150				0.000	0.07		0.07
	08 15	0010	0.14	0.130				0.000	0.01		0.01
72/07/26	13 15	0125	0.13	0.120		0.030		0.000	0.01		0.01
	13 30	0010	0.12	0.100		0.030		0.000	0.02		0.02
72/08/02	08 45	0155	0.11	0.070				0.000	0.04		0.04
	09 00	0010	0.03	0.030				0.000	0.00		0.00
72/08/09	08 30	0155	0.16	0.120				0.000	0.04		0.04
	08 45	0010	0.22	0.210				0.000	0.01		0.01
72/08/16	09 45	0156	0.25	0.210				0.000	0.04		0.04
	10 00	0010	0.14	0.140				0.000	0.00		0.00
72/08/23	08 15	0153	0.24	0.210				0.000	0.03		0.03
	08 30	0010	0.12	0.120				0.000	0.00		0.00
72/08/30	10 15	0160	0.17	0.130		0.090		0.010	0.03		0.04
	10 30	0010	0.33	0.080		0.030		0.000	0.02		0.25
72/09/06	09 15	0162	0.57	0.450				0.010	0.11		0.12
	09 30	0010	0.22	0.220				0.000	0.00		0.00
72/09/12	09 15	0126	0.25	0.140				0.000	0.11		0.11
	09 30	0010	0.15	0.150				0.000	0.00		0.00
72/09/21	10 45	0125	0.36	0.320				0.000	0.05		0.04
	11 00	0010	0.32	0.320				0.000	0.00	0.00	0.00
72/09/27	10 45	0137	0.37	0.300		0.070		0.000	0.07		0.07
	11 00	0010	0.23	0.200		0.040		0.000	0.03		0.03
72/10/03	09 00	0111	0.27	0.260				0.000	0.01		0.01
	09 15	0010	0.26	0.250				0.000	0.01		0.01

TABLE 48 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/10/18	11 00	0092	0.23	0.160		0.060		0.000	0.07		0.07
	11 30	0010	0.12	0.120		0.050		0.010	0.00		0.00
72/10/25	09 15	0077	0.26	0.200				0.010	0.05		0.06
	09 45	0010	0.20	0.180				0.010	0.01		0.02
72/11/01	09 30	0060	0.41	0.360				0.000	0.05		0.05
	09 45	0010	0.34	0.300				0.000	0.04		0.04
72/11/15	10 30	0026	0.26	0.160		0.070		0.000	0.10		0.10
	10 45	0010	0.34	0.240		0.080		0.000	0.10		0.10
72/11/22	09 00	0001	0.24	0.130				0.000	0.11		0.11
72/11/28	09 00	0001	0.71	0.460				0.000	0.25		0.25
72/12/07	10 00	0001	0.50	0.320				0.010	0.17		0.18
72/12/15	14 00	0001	0.53	0.240				0.020	0.27		0.29
72/12/20	10 00	0001	0.63	0.460	0.330	0.130	0.130	0.000	0.17		0.17
72/12/29	13 00	0001	0.34	0.200				0.000	0.14		0.14
73/01/04	13 00	0001	0.51	0.300				0.010	0.20		0.21
73/01/11	13 00	0001	0.36	0.140				0.000	0.22		0.22
73/01/17	13 00	0001	0.53	0.320	0.120	0.200	0.200	0.000	0.21		0.21
73/01/26	14 00	0001	0.52	0.350				0.010	0.16		0.17
73/02/02	14 00	0001	0.44	0.270				0.000	0.17		0.17
73/02/08	10 00	0001	0.39	0.160				0.000	0.23		0.23
73/02/15	12 30	0001		0.280				0.010	0.20		0.21
73/02/22	10 00	0001	0.47	0.260	0.190		0.070	0.010	0.18	0.21	0.19
73/03/02	14 00	0001	0.57	0.350				0.010	0.20	0.22	0.21
73/03/08	09 30	0001	0.41	0.220				0.010	0.14	0.19	0.15
73/03/16	10 30	0001	0.40	0.280				0.020	0.10	0.12	0.12
73/03/22	11 00	0001	0.22	0.100				0.020	0.08	0.12	0.10
73/03/30	09 30	0001	0.18	0.100	0.080		0.020	0.000	0.06	0.08	0.06
73/04/05	09 30	0001	0.25	0.210				0.010	0.03	0.04	0.04
73/04/13	09 30	0001	0.22	0.200				0.010	0.00	0.02	0.01
73/04/20	08 30	0001	0.19	0.150				0.000	0.02	0.04	0.02
73/04/26	09 00	0001	0.09	0.070	0.040		0.030	0.000	0.02	0.02	0.02
73/05/04	11 00	0001	0.36	0.320				0.000	0.04	0.04	0.04
73/05/10	12 00	0001	0.35	0.200				0.000	0.15	0.15	0.15
73/05/17	12 00	0001	1.60	1.400				0.010	0.18	0.19	0.19
73/05/22	10 00	0045	0.36	0.180	0.100		0.080	0.000	0.17	0.18	0.17
	10 30	0010	0.41	0.250	0.190		0.060	0.000	0.16	0.16	0.16

TABLE 48 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/05/30	10 30	0069	0.17	0.090				0.000	0.08	0.08	0.08
	11 00	0010	0.21	0.130				0.000	0.08	0.08	0.08
73/06/05	12 00	0089	0.22	0.130				0.000	0.04	0.09	0.04
	12 30	0010	0.29	0.250				0.000	0.02	0.04	0.02
73/06/12	08 00	0105	0.27	0.190				0.010	0.03	0.08	0.04
	08 30	0010	0.23	0.220				0.020	0.00	0.01	0.01
73/06/20	10 00	0120	0.23	0.180	0.160		0.020	0.000	0.05	0.05	0.05
	10 30	0010	0.70	0.680	0.620		0.060	0.000	0.01	0.02	0.01
73/06/28	08 00	0133	0.16	0.120				0.010	0.03	0.04	0.04
	08 30	0010	0.17	0.150				0.010	0.00	0.02	0.01
73/07/03	08 00	0138	0.20	0.160				0.000	0.03	0.04	0.03
	08 30	0010	0.11	0.100				0.000	0.01	0.01	0.01
73/07/10	08 30	0145	0.34	0.220				0.000	0.07	0.12	0.07
	09 00	0010	0.16	0.150				0.000	0.00	0.01	0.00
73/07/19	11 00	0121	0.18	0.040	0.030		0.010	0.000	0.10	0.14	0.10
	11 30	0010	0.15	0.100	0.090		0.010	0.000	0.00	0.05	0.00
73/07/24	08 00	0151	0.30	0.170				0.000	0.09	0.13	0.09
	08 30	0010	0.16	0.140				0.000	0.01	0.02	0.01
73/07/31	08 00	0155	0.24	0.120				0.000	0.12	0.12	0.12
	08 30	0010	0.27	0.250				0.000	0.02	0.02	0.02
73/08/07	08 00	0158						0.000	0.06	0.11	0.06
	08 30	0010						0.000	0.03	0.01	0.03
73/08/16	11 00	0160	0.34	0.230	0.230		0.000	0.000	0.17	0.11	0.17
	11 30	0010	0.30	0.260	0.250		0.010	0.000	0.01	0.04	0.01
73/08/21	08 30	0158	0.30	0.150				0.000	0.15	0.15	0.15
	09 00	0010	0.16	0.150				0.000	0.01	0.01	0.01
73/08/29	08 30	0150	0.52	0.210				0.010	0.30	0.31	0.31
	09 00	0010	0.36	0.350				0.000	0.01	0.01	0.01
73/09/05	08 00	0145	0.34	0.120				0.000	0.15	0.22	0.15
	08 30	0010	0.23	0.110				0.000	0.11	0.12	0.11
73/09/10	11 00	0145	0.26	0.110	0.100		0.010	0.010	0.14	0.15	0.15
	11 30	0010	0.29	0.250	0.190		0.060	0.000	0.00	0.04	0.00
73/09/18	09 00	0135	0.37	0.210				0.000	0.16	0.16	0.16
	09 30	0010	0.15	0.150				0.000	0.00	0.00	0.00
73/09/25	08 30	0132	0.22	0.190				0.010	0.02	0.03	0.03
	09 00	0010	0.16	0.140				0.010	0.01	0.02	0.02

TABLE 48 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORFI RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/10/04	10 30	0130	0.29	0.260	0.230		0.030	0.010	0.02	0.03	0.03
	11 00	0010	0.25	0.240	0.200		0.040	0.010	0.00	0.01	0.01
73/10/09	12 00	0122	0.10	0.060				0.010	0.05	0.04	0.06
	12 30	0010	0.16	0.130				0.000	0.01	0.03	0.01
73/10/15	12 30	0119	0.30	0.270				0.000	0.03	0.03	0.03
	13 00	0010	0.18	0.160				0.000	0.03	0.02	0.03
73/10/23	12 30	0115	0.26	0.210				0.000	0.05	0.05	0.05
	13 00	0010	0.23	0.210				0.000	0.02	0.02	0.02
73/10/30	08 30	0115						0.010	0.02	0.03	0.03
	09 00	0010	0.13	0.090				0.030	0.00	0.04	0.03
73/11/12	12 30	0112	0.37	0.310				0.000	0.04	0.06	0.04
	13 00	0010	0.23	0.190				0.000	0.03	0.04	0.03
73/11/27	12 30	0001	0.16	0.080				0.010	0.05	0.08	0.06
73/11/30	10 30	0110	0.24	0.140	0.110		0.030	0.010	0.06	0.10	0.07
	11 00	0010	0.26	0.150	0.140		0.010	0.020	0.09	0.11	0.11
73/12/04	12 30	0110	0.18	0.100				0.000	0.06	0.08	0.06
	13 00	0010	0.14	0.060				0.000	0.06	0.08	0.06
73/12/12	10 30	0001	0.33	0.200				0.000	0.13	0.13	0.13
73/12/20	13 00	0001	0.27	0.210				0.010	0.05	0.06	0.06
73/12/27	15 15	0001	0.17	0.090				0.000	0.08	0.08	0.08
74/01/04	12 30	0001	0.24	0.110				0.000	0.13	0.13	0.13
74/01/10	10 30	0001	0.67	0.390				0.000	0.09	0.28	0.09
74/01/17	13 00	0001	0.22	0.070				0.000	0.13	0.15	0.13
74/01/24	15 00	0001						0.010	0.07	0.09	0.08
74/01/31	14 00	0001	0.54	0.350				0.010	0.10	0.19	0.11
74/02/05	15 00	0001	0.36	0.150				0.000	0.19	0.21	0.19
74/02/13	11 00	0001	0.42	0.160				0.020	0.17	0.26	0.19
74/02/21	14 00	0001	0.24	0.060				0.000	0.18	0.18	0.18
74/02/26	13 00	0001	0.52	0.270				0.000	0.23	0.25	0.23
74/03/07	14 30	0001	0.41	0.240				0.000	0.17	0.17	0.17
74/03/14	13 30	0001	0.21	0.050				0.000	0.16	0.16	0.16
74/03/21	11 30	0001	0.34	0.250				0.000	0.08	0.09	0.08
74/03/29	10 00	0001	0.38	0.290				0.010	0.07	0.09	0.08
74/04/04	15 00	0001	0.41	0.370				0.010	0.01	0.04	0.02
74/04/11	11 00	0001	0.51	0.430				0.000	0.08	0.08	0.08
74/04/18	11 30	0001	0.35	0.270				0.000	0.04	0.08	0.04

TABLE 48 LAKE KOUCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/04/24	11 00	0052	0.40	0.310	0.200		0.110	0.020	0.07	0.09	0.09
	11 30	0010	0.46	0.410	0.330		0.080	0.010	0.04	0.05	0.05
74/05/03	10 00	0010	0.26	0.110				0.010	0.14	0.15	0.15
	10 30	0057	0.23	0.100				0.000	0.13	0.13	0.13
74/05/09	10 00	0060	0.30	0.200				0.000	0.10	0.10	0.10
	10 30	0010	0.36	0.240				0.000	0.12	0.12	0.12
74/05/17	09 30	0072						0.000	0.14		0.14
	10 00	0010	0.37	0.230				0.000	0.14	0.14	0.14
74/05/22	10 30	0076	0.29	0.170	0.070		0.100	0.010	0.12	0.12	0.13
	11 00	0010	0.31	0.170	0.090		0.080	0.020	0.12	0.14	0.14
74/05/30	10 00	0090	0.30	0.160				0.000	0.15	0.14	0.15
	10 30	0010	0.24	0.130				0.000	0.12	0.11	0.12
74/06/11	11 15	0113		0.240	0.230		0.010	0.020	0.05		0.07
	12 45	0010		0.300	0.280		0.020	0.010	0.07		0.08
	13 15	0005		0.250	0.230		0.020	0.010	0.06		0.07
	13 30	0001		0.280	0.250		0.030	0.000	0.06		0.06
74/07/10	10 15	0195		0.180	0.150		0.030	0.000	0.00		0.00
	10 45	0010		0.130	0.010		0.120	0.000	0.00		0.00
	11 00	0004		0.190	0.150		0.040	0.000	0.02		0.02
	11 15	0000		0.190	0.080		0.110	0.000	0.05		0.05
74/07/24	11 30	0201		0.090	0.060		0.030	0.000	0.05		0.05
	11 45	0010		0.090	0.070		0.020	0.000	0.00		0.00
	13 15	0017		0.130	0.050		0.080	0.000	0.01		0.01
	13 30	0003		0.100	0.080		0.020	0.000	0.00		0.00
74/08/07	10 30	0203		0.360	0.290		0.070	0.000	0.07		0.07
	10 45	0026		0.140	0.060		0.080	0.000	0.01		0.01
	11 00	0010		0.190	0.090		0.100	0.000	0.03		0.03
	11 15	0001		0.240	0.160		0.080	0.000	0.01		0.01
74/08/21	11 30	0208		0.140	0.010		0.130	0.000	0.12		0.12
	12 00	0010		0.140	0.030		0.110	0.000	0.01		0.01
	12 15	0035		0.120	0.030		0.090	0.000	0.00		0.00
	12 30	0003		0.180	0.080		0.100	0.000	0.00		0.00
74/09/05	11 00	0202		0.180	0.060		0.120	0.000	0.11		0.11
	11 15	0010		0.140	0.100		0.080	0.010	0.00		0.00
	11 30	0035		0.160	0.100		0.060	0.000	0.00		0.00
	11 45	0001		0.230	0.170		0.060	0.000	0.00		0.00

TABLE 48 LAKE KOUCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N MG/L	00608 NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/09/18	11 00	0196		0.270	0.170		0.100	0.000	0.09		0.09
	11 30	0010		0.270	0.030		0.240	0.000	0.01		0.01
	11 45	0034		0.190	0.160		0.030	0.000	0.00		0.00
	12 00	0001		0.120	0.030		0.090	0.010	0.00		0.00
74/10/01	11 30	0194		0.060	0.030		0.030	0.000	0.30		0.30
	11 45	0010		0.080	0.040		0.040	0.010	0.50		0.51
	12 00	0025		0.050	0.000		0.080	0.000	0.01		0.01
	12 15	0001		0.060	0.020		0.040	0.000	0.31		0.31
74/10/16	12 45	0185		0.170	0.100		0.070	0.000	0.10		0.10
	13 30	0010		0.210	0.140		0.070	0.000	0.01		0.01
	13 45	0019		0.060	0.000		0.060	0.000	0.04		0.04
	14 00	0003		0.100	0.000		0.100	0.000	0.03		0.03
74/10/30	12 15	0167		0.120	0.020		0.100	0.010	0.01		0.02
	12 30	0010		0.100	0.010		0.090	0.000	0.03		0.03
	12 45	0025		0.170	0.040		0.130	0.000	0.02		0.02
74/12/03	15 00	0001		0.170	0.140		0.030	0.000	0.05		0.05
74/12/16	11 00	0001		0.090	0.020		0.070	0.000	0.06		0.06
75/01/02	13 00	0001		0.260	0.200		0.060	0.000	0.08		0.08
75/01/15	10 30	0001		1.500	1.500		0.040	0.000	0.12		0.12
75/01/28	12 00	0001		0.190	0.170		0.020	0.010	0.13		0.14
75/04/02	09 30	0001		0.080	0.020		0.060	0.000	0.14		0.14
75/05/07	12 30	0033		0.240	0.190		0.050	0.000	0.13		0.13
	13 00	0010		0.250	0.110		0.140	0.000	0.18		0.18
	13 30	0002		0.250	0.180		0.070	0.000	0.12		0.12
	14 00	0000		0.270	0.230		0.040	0.000	0.13		0.13
75/05/22	11 00	0055		0.090	0.090		0.000	0.000	0.15		0.15
	11 30	0010		0.120	0.090		0.030	0.000	0.14		0.14
	11 45	0003		0.180	0.160		0.020	0.000	0.14		0.14
	12 00	0001		0.140	0.130		0.010	0.000	0.14		0.14
75/06/05	10 30	0095		3.000	1.900		1.100	0.000	0.08		0.08
	11 00	0010		4.200	3.100		1.100	0.000	0.08		0.08
	11 30	0004		4.200	3.100		1.100	0.000	0.08		0.08
	12 00	0001		4.500	3.500		1.000	0.000	0.08		0.08
75/06/26	10 45	0137		0.160	0.120		0.040	0.010	0.02		0.03
	11 00	0010		0.090	0.050		0.040	0.010	0.04		0.05
	11 15	0005		0.120	0.070		0.050	0.010	0.06		0.07



TABLE 48 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 UPG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/06/26	11 30	0001		0.100	0.060		0.040	0.010	0.07		0.06
75/07/15	13 00	0168		0.340	0.070		0.270	0.010	0.05		0.06
	13 15	0010		0.160	0.130		0.030	0.010	0.00		0.01
	13 30	0020		0.130	0.100		0.030	0.000	0.02		0.02
	13 45	0001		0.120	0.080		0.040	0.000	0.00		0.00
75/07/30	12 30	0180		0.160	0.160		0.000	0.000	0.05		0.05
	13 00	0010		0.120	0.120		0.000	0.000	0.00		0.00
	13 30	0020		0.160	0.160		0.000	0.000	0.00		0.00
	13 45	0002		0.160	0.130		0.030	0.000	0.00		0.00
75/08/14	13 00	0186		0.300	0.300		0.000	0.010	0.13		0.14
	13 30	0010		0.120	0.120		0.000	0.000	0.00		0.00
	14 00	0040		0.120	0.120		0.000	0.000	0.01		0.01
	14 30	0001		0.080	0.080		0.000	0.000	0.00		0.00
75/08/28	10 45	0200		0.210	0.210		0.000	0.010	0.14		0.15
	11 00	0010		0.100	0.100		0.000	0.010	0.01		0.02
	11 15	0030		0.040	0.040		0.000	0.010	0.00		0.01
	11 30	0001		0.080	0.080		0.000	0.010	0.00		0.01
75/09/11	13 00	0195		0.120	0.120		0.000	0.010	0.11		0.12
	13 15	0010		0.210	0.210		0.000	0.000	0.00		0.00
	13 30	0035		0.330	0.330		0.000	0.000	0.00		0.00
	13 45	0001		0.200	0.200		0.000	0.000	0.00		0.00
75/09/25	10 45	0202		0.120	0.120		0.000	0.010	0.12		0.13
	11 00	0010		0.160	0.160		0.000	0.010	0.00		0.01
	11 15	0020		0.200	0.200		0.000	0.010	0.00		0.01
	11 30	0001		0.140	0.140		0.000	0.010	0.01		0.02
75/10/07	11 00	0190		0.080	0.080		0.000	0.000	0.13		0.13
	11 30	0010		0.150	0.150		0.000	0.000	0.01		0.01
	11 45	0030		0.140	0.120		0.020	0.000	0.00		0.00
	12 00	0001		0.080	0.080		0.000	0.000	0.01		0.01
75/10/30	10 15	0184		0.280	0.280		0.000	0.010	0.06		0.07
	10 30	0010		0.220	0.180		0.040	0.010	0.04		0.05
	10 45	0025		0.170	0.170		0.000	0.010	0.04		0.05
	11 00	0001		0.220	0.200		0.020	0.010	0.04		0.05
75/12/08	11 00	0001		0.040	0.010		0.030	0.000	0.04		0.08
75/12/23	10 00	0001		0.100	0.100		0.000	0.000	0.06		0.06
76/01/06	11 00	0001		0.240	0.200		0.040	0.000	0.10		0.10

TABLE 48 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 UPG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
76/01/20	10 30	0001		0.210	0.180		0.030	0.000	0.17		0.17
76/02/03	10 30	0001		0.220	0.220		0.000	0.000	0.14		0.18
76/03/19	11 00	0001		0.220	0.180		0.040	0.000	0.14		0.19
76/03/31	10 30	0001		0.050	0.030		0.020	0.000	0.20		0.20
76/05/05	11 30	0056		0.150	0.140		0.010	0.000	0.14		0.14
	12 30	0010		0.030	0.030		0.000	0.000	0.13		0.13
	13 00	0005		0.000	0.000		0.000	0.000	0.13		0.13
	13 30	0001		0.000	0.000		0.000	0.000	0.13		0.13
76/05/26	11 15	0119		0.150	0.130		0.020	0.010	0.13		0.14
	11 45	0010		0.180	0.160		0.020	0.010	0.14		0.15
	13 00	0005		0.130	0.120		0.010	0.010	0.14		0.15
	13 15	0001		0.250	0.200		0.050	0.010	0.13		0.14
76/06/24	10 30	0185		0.130	0.130		0.000	0.010	0.15		0.16
	11 00	0010		0.050	0.040		0.010	0.010	0.07		0.08
	11 30	0018		0.100	0.100		0.000	0.010	0.08		0.09
	12 00	0001		0.080	0.080		0.000	0.010	0.08		0.09
76/07/07	11 30	0198		0.080	0.080		0.000	0.000	0.20		0.20
	12 00	0010		0.020	0.020		0.000	0.000	0.00		0.00
	12 30	0015		0.070	0.070		0.000	0.000	0.00		0.00
	13 00	0001		0.170	0.070		0.000	0.000	0.00		0.00

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/06/14	13 00	0055	0.35	0.280				0.000	0.07		0.07
	13 30	0010	0.19	0.120				0.000	0.07		0.07
72/06/21	11 15	0063	0.20	0.100				0.000	0.10		0.10
	11 30	0010	0.17	0.080				0.000	0.09		0.09
72/06/28	11 30	0066	0.64	0.640	0.570	0.070		0.000	0.00		0.00
	12 00	0010	0.25	0.230	0.190	0.040		0.000	0.02		0.02
72/07/06	11 15	0070	0.19	0.140				0.000	0.05		0.05
	11 30	0010	0.23	0.230				0.000	0.00		0.00
72/07/13	12 30	0082	0.11	0.070				0.000	0.04		0.04
	12 45	0010	0.08	0.080				0.000	0.00		0.00
72/07/19	11 15	0085	0.15	0.110				0.000	0.04		0.04
	11 30	0010	0.16	0.130				0.000	0.03		0.03
72/07/27	10 00	0085	0.23	0.180		0.040		0.000	0.05		0.05
	10 15	0010	0.27	0.260		0.030		0.000	0.01		0.01
72/08/02	11 00	0080	0.10	0.070				0.000	0.03		0.03
	11 15	0010	0.16	0.150				0.000	0.01		0.01
72/08/09	10 45	0082	0.19	0.170				0.000	0.02		0.02
	11 00	0010	0.05	0.050				0.000	0.00		0.00
72/08/16	12 30	0083	0.13	0.090				0.000	0.04		0.04
	12 45	0010	0.14	0.140				0.000	0.00		0.00
72/08/23	11 00	0085	0.22	0.200				0.000	0.02		0.02
	11 15	0010	0.18	0.170				0.000	0.01		0.01
72/08/31	10 15	0082	0.27	0.250		0.000		0.000	0.02		0.02
	10 30	0010	0.35	0.350		0.040		0.000	0.00		0.00
72/09/06	11 15	0080	0.21	0.140				0.000	0.07		0.07
	11 30	0010	0.18	0.170				0.000	0.01		0.01
72/09/12	11 15	0081	0.18	0.140				0.000	0.04		0.04
	11 30	0010	0.25	0.250				0.000	0.00		0.00
72/09/21	12 45	0064	0.39	0.350				0.000	0.04		0.04
	13 00	0010	0.35	0.350				0.000	0.00		0.00
72/09/28	10 30	0069	0.51	0.480		0.030		0.000	0.03		0.03
	10 45	0010	0.59	0.560		0.040		0.000	0.03		0.03
72/10/03	11 00	0059	0.12	0.110				0.000	0.01		0.01
	11 15	0010	0.26	0.260				0.000	0.00		0.00
72/10/19	11 00	0023	0.29	0.200		0.050		0.010	0.08		0.09
	11 30	0010	0.30	0.240		0.060		0.010	0.05		0.06

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N MG/L	0060A NH3+NH4-N DISS MG/L	00610 NH3+NH4-N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/10/25	12 00	0010	0.19	0.110				0.010	0.07		0.08
72/11/01	11 30	0010	0.31	0.230				0.000	0.08		0.08
72/11/07	10 00	0010	0.44	0.330				0.000	0.11		0.11
72/11/15	16 30	0001	0.22	0.140		0.020		0.000	0.08		0.08
73/05/10	10 15	0001	0.42	0.290				0.000	0.11	0.13	0.11
73/05/17	10 00	0001	1.70	1.500			0.050	0.010	0.15	0.16	0.16
73/05/22	12 30	0001	0.36	0.230	0.180			0.000	0.13	0.13	0.13
73/05/30	07 00	0001	0.22	0.150				0.010	0.06	0.07	0.07
73/06/05	09 30	0021	0.17	0.100				0.000	0.03	0.07	0.03
	10 00	0010	0.26	0.190				0.000	0.04	0.07	0.04
73/06/12	10 00	0040	0.17	0.090				0.000	0.02	0.08	0.02
	10 30	0010	0.17	0.100				0.000	0.01	0.07	0.01
73/06/21	10 30	0053	0.18	0.100	0.090		0.010	0.010	0.07	0.08	0.08
	11 00	0010	0.29	0.230	0.170		0.060	0.000	0.06	0.06	0.06
73/06/28	10 30	0064	0.11	0.070				0.000	0.04	0.04	0.04
	11 00	0010	0.37	0.320				0.010	0.01	0.05	0.02
73/07/03	10 00	0077	0.13	0.100				0.000	0.02	0.03	0.02
	10 30	0010	0.14	0.130				0.000	0.01	0.01	0.01
73/07/10	11 00	0083	0.20	0.160				0.000	0.04	0.04	0.04
	11 30	0010	0.17	0.150				0.010	0.01	0.02	0.02
73/07/18	11 00	0085	0.27	0.190	0.140		0.050	0.000	0.08	0.08	0.08
	11 30	0010	0.21	0.170	0.150		0.020	0.010	0.03	0.04	0.04
73/07/24	10 00	0086	0.21	0.120				0.010	0.03	0.09	0.04
	10 30	0010	0.24	0.200				0.000	0.03	0.04	0.03
73/07/31	10 30	0091	0.25	0.140				0.000	0.11	0.11	0.11
	11 00	0010	0.13	0.120				0.000	0.01	0.01	0.01
73/08/07	10 00	0092						0.000	0.12	0.12	0.12
	10 30	0010						0.000	0.00	0.00	0.00
73/08/15	11 00	0095	0.21	0.080	0.060		0.020	0.000	0.09	0.13	0.09
	11 30	0010	0.08	0.040	0.020		0.020	0.000	0.00	0.04	0.00
73/08/21	11 30	0094	0.34	0.190				0.000	0.15	0.15	0.15
	12 00	0010	0.27	0.250				0.000	0.02	0.02	0.02
73/08/29	10 00	0090	0.17	0.150				0.000	0.02	0.02	0.02
	10 30	0010	0.14	0.100				0.000	0.00	0.04	0.00
73/09/05	10 00	0082						0.000	0.02	0.02	0.02
	10 30	0010	0.10	0.090				0.000	0.00	0.01	0.00

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL MG/L	00605 ORG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/09/12	10 00	0077	0.13	0.110	0.080		0.030	0.000	0.00	0.02	0.00
	10 30	0010	0.11	0.080	0.070		0.010	0.000	0.00	0.03	0.00
73/09/18	11 00	0071	0.10	0.090				0.000	0.01	0.01	0.01
	11 30	0010	0.04	0.040				0.000	0.00	0.00	0.00
73/09/25	10 30	0066	0.22	0.190				0.010	0.02	0.03	0.03
	11 00	0010	0.21	0.180				0.010	0.01	0.03	0.02
73/10/03	12 30	0060	0.23	0.190	0.150		0.040	0.000	0.04	0.04	0.04
	12 45	0010	0.11	0.090	0.050		0.040	0.000	0.02	0.02	0.02
73/10/09	14 00	0056	0.24	0.160				0.000	0.02	0.08	0.02
	14 30	0010	0.33	0.270				0.000	0.03	0.06	0.03
73/10/15	14 00	0056	0.25	0.210				0.000	0.09	0.04	0.09
	14 30	0010	0.29	0.210				0.000	0.05	0.08	0.05
73/10/23	14 30	0052	0.44	0.310				0.010	0.10	0.13	0.11
	15 00	0010	0.42	0.210				0.010	0.02	0.21	0.03
73/10/30	10 30	0051	0.29	0.110				0.030	0.15	0.18	0.18
	11 00	0010	0.24	0.170				0.030	0.04	0.07	0.07
73/11/12	15 00	0010	0.26	0.180				0.000	0.08	0.08	0.08
	15 30	0045	0.28	0.200				0.000	0.07	0.08	0.07
73/12/04	14 00	0047	0.24	0.110				0.000	0.10	0.13	0.10
	14 30	0010	0.26	0.120				0.000	0.13	0.14	0.13
74/05/24	10 00	0001	0.24	0.160	0.110		0.050	0.000	0.08	0.08	0.08
74/06/12	10 00	0049		1.300	1.300		0.010	0.000	0.07		0.07
	10 30	0010		0.300	0.290		0.010	0.000	0.08		0.08
	10 45	0004		0.300	0.250		0.050	0.000	0.08		0.08
	11 00	0001		0.220	0.210		0.010	0.000	0.08		0.08
74/06/25	12 15	0096		0.310	0.280		0.030	0.000	0.03		0.03
	12 45	0010		0.810	0.790		0.020	0.000	0.01		0.01
	13 30	0005		0.310	0.290		0.020	0.000	0.01		0.01
	14 00	0001		0.550	0.080		0.470	0.000	0.01		0.01
74/07/09	10 45	0108		0.170	0.120		0.050	0.000	0.04		0.04
	11 00	0010		0.250	0.220		0.030	0.000	0.03		0.03
	11 30	0003		0.290	0.240		0.050	0.000	0.03		0.03
	11 45	0000		0.200	0.140		0.060	0.000	0.03		0.03
74/07/23	12 30	0102		0.060	0.040		0.020	0.000	0.01		0.01
	13 00	0010		0.080	0.060		0.020	0.000	0.00		0.00
	13 30	0005		0.120	0.000		0.130	0.000	0.01		0.01

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL MG/L	00605 ORG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/07/23	14 00	0001		0.090	0.020		0.070	0.000	0.01		0.01
74/08/06	10 00	0106		0.140	0.140		0.000	0.000	0.02		0.02
	10 30	0026		0.130	0.130		0.000	0.000	0.01		0.01
	10 45	0010		0.320	0.300		0.020	0.000	0.00		0.00
	11 00	0002		0.100	0.090		0.010	0.000	0.00		0.00
74/08/20	12 00	0119		0.420	0.080		0.340	0.000	0.03		0.03
	12 30	0010		0.560	0.090		0.470	0.000	0.00		0.00
	13 00	0031		0.340	0.090		0.250	0.000	0.04		0.04
	13 30	0002		0.600	0.460		0.140	0.000	0.10		0.10
74/09/04	11 30	0112		0.300	0.060		0.240	0.000	0.08		0.08
	11 45	0010		0.240	0.210		0.030	0.000	0.03		0.03
	12 00	0035		0.440	0.420		0.020	0.000	0.02		0.02
	12 15	0001		0.150	0.100		0.050	0.000	0.01		0.01
74/09/17	11 00	0122		0.200	0.160		0.040	0.000	0.09		0.09
	11 15	0010		0.200	0.170		0.030	0.000	0.01		0.01
	11 45	0035		0.250	0.000		0.290	0.000	0.00		0.00
	12 00	0001		0.140	0.000		0.150	0.000	0.00		0.00
74/10/02	10 45	0119		0.080	0.010		0.070	0.000	0.03		0.03
	11 15	0010		0.250	0.030		0.220	0.000	0.00		0.00
	11 30	0020		0.090	0.030		0.060	0.020	0.00		0.00
	11 45	0001		0.170	0.150		0.020	0.000	0.00		0.00
74/10/17	11 30	0104		0.180	0.060		0.120	0.000	0.00		0.00
	12 00	0010		0.160	0.030		0.130	0.000	0.00		0.00
	13 00	0025		0.130	0.080		0.050	0.000	0.00		0.00
	13 15	0003		0.100	0.020		0.080	0.000	0.00		0.00
74/10/31	10 45	0094		0.250	0.150		0.100	0.000	0.03		0.03
	11 00	0010		0.160	0.080		0.080	0.000	0.01		0.01
	11 15	0025		0.140	0.040		0.100	0.000	0.00		0.00
	11 30	0001		0.100	0.030		0.070	0.010	0.00		0.00
75/06/06	10 30	0026		3.500	2.400		1.100	0.000	0.08		0.08
	11 00	0010		3.200	2.100		1.100	0.000	0.08		0.08
	11 30	0002		3.100	2.000		1.100	0.010	0.04		0.05
	12 00	0001		3.200	2.100		1.100	0.010	0.07		0.08
75/06/27	11 15	0070		0.060	0.030		0.030	0.010	0.02		0.03
	11 30	0010		0.080	0.050		0.030	0.010	0.01		0.02
	11 45	0005		0.050	0.020		0.030	0.010	0.05		0.06

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/06/27	12 00	0001		0.090	0.060		0.030	0.010	0.06		0.07
75/07/17	11 00	0060		0.130	0.130		0.000	0.010	0.03		0.04
	11 15	0010		0.220	0.220		0.000	0.010	0.00		0.01
	11 30	0015		0.300	0.300		0.000	0.010	0.00		0.01
	11 45	0002		0.300	0.300		0.000	0.000	0.00		0.00
75/07/31	10 00	0095		0.250	0.250		0.000	0.010	0.06		0.07
	10 30	0010		0.120	0.090		0.030	0.000	0.00		0.00
	11 00	0025		0.140	0.110		0.030	0.000	0.00		0.00
	11 30	0002		0.080	0.080		0.000	0.000	0.00		0.00
75/08/15	10 00	0099		0.160	0.160		0.000	0.010	0.09		0.10
	10 30	0010		0.160	0.160		0.000	0.010	0.00		0.01
	11 00	0035		0.160	0.160		0.000	0.010	0.04		0.05
	11 30	0001		0.160	0.160		0.000	0.010	0.01		0.02
75/08/27	11 00	0103		0.120	0.120		0.000	0.010	0.10		0.11
	11 15	0010		0.120	0.120		0.000	0.000	0.00		0.00
	11 30	0030		0.080	0.080		0.000	0.000	0.00		0.00
	11 45	0001		0.080	0.080		0.000	0.000	0.00		0.00
75/09/12	11 00	0094		0.080	0.080		0.000	0.000	0.09		0.09
	11 15	0010		0.020	0.020		0.000	0.000	0.01		0.01
	11 30	0035		0.060	0.060		0.000	0.000	0.03		0.03
	12 00	0001		0.020	0.020		0.000	0.000	0.00		0.00
75/09/26	11 00	0097		0.100	0.100		0.000	0.010	0.04		0.05
	11 15	0010		0.250	0.250		0.000	0.000	0.00		0.00
	11 30	0020		0.170	0.170		0.000	0.000	0.00		0.00
	11 45	0001		0.010	0.010		0.000	0.000	0.00		0.00
75/10/08	11 00	0085		0.130	0.120		0.010	0.010	0.01		0.02
	11 30	0010		0.120	0.110		0.010	0.000	0.01		0.01
	11 45	0030		0.420	0.410		0.010	0.000	0.01		0.01
	12 00	0001		0.090	0.080		0.010	0.000	0.01		0.01
75/10/29	09 45	0091		0.000	0.000		0.000	0.010	0.03		0.04
	10 00	0010		0.160	0.120		0.040	0.010	0.02		0.03
	10 15	0025		0.050				0.010	0.02		0.03
	10 30	0001		0.110	0.070		0.040	0.010	0.02		0.03
76/06/25	10 30	0075		0.130	0.120		0.010	0.010	0.08		0.09
	11 00	0010		0.130	0.110		0.020	0.010	0.06		0.07
	11 30	0020		0.130	0.110		0.020	0.010	0.07		0.08

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
76/06/25	12 00	0001		0.080	0.070		0.010	0.010	0.07		0.08
76/07/08	10 30	0085		0.150	0.150		0.000	0.000	0.07		0.07
	11 00	0010		0.020	0.020		0.000	0.000	0.00		0.00
	11 30	0015		0.020	0.020		0.000	0.000	0.00		0.00
	12 00	0001		0.080	0.080		0.000	0.000	0.00		0.00
76/07/28	13 00	0095		0.130	0.130		0.000	0.000	0.11		0.11
	13 30	0010		0.160	0.160		0.000	0.000	0.01		0.01
	14 00	0030		0.210	0.210		0.000	0.000	0.01		0.01
	14 30	0001		0.220	0.220		0.000	0.000	0.01		0.01
76/08/10	11 00	0100		0.090	0.080		0.010	0.000	0.11		0.11
	11 30	0010		0.090	0.080		0.010	0.000	0.17		0.17
	12 30	0025		0.100	0.100		0.000	0.000	0.01		0.01
	13 00	0001		0.110	0.110		0.000	0.000	0.02		0.02
76/09/02	10 30	0010		0.000	0.000		0.000	0.000	0.02		0.02
	12 30	0093		0.010	0.010		0.000	0.000	0.06		0.06
	13 00	0025		0.180	0.180		0.000	0.000	0.04		0.04
	13 30	0001		0.000	0.000		0.000	0.000	0.12		0.12
76/09/15	11 00	0099		0.220	0.220		0.000	0.000	0.06		0.06
	12 00	0010		0.000	0.000		0.000	0.000	0.01		0.01
	13 00	0040		0.050	0.050		0.000	0.000	0.00		0.00
	13 30	0001		0.020	0.020		0.000	0.000	0.00		0.00
76/09/28	10 00	0010		3.900	3.900		0.000	0.000	0.00		0.00
	10 30	0117		3.300	3.300		0.000	0.010	0.03		0.04
	11 00	0040		3.700	3.700		0.010	0.010	0.00		0.00
	11 30	0001		1.200	1.200		0.000	0.000	0.00		0.00
76/10/13	10 30	0010	0.03	0.030	0.030		0.000			0.00	0.00
	11 00	0092	0.02	0.020	0.020		0.000			0.00	0.00
	11 30	0002	0.47	0.470	0.470		0.000			0.00	0.00
76/10/27	11 00	0010	0.08	0.080	0.080		0.000			0.00	0.00
	11 30	0002	0.20	0.200	0.200		0.000			0.00	0.00
	12 30	0085	0.03	0.030	0.030		0.000			0.00	0.00
77/06/28	11 00	0010	0.16	0.140	0.100		0.040			0.02	0.02
	11 30	0093	0.12	0.000	0.000		0.000			0.12	0.11
	12 00	0002	0.19	0.180	0.130		0.050			0.01	0.02
77/07/12	11 00	0010	0.04	0.030	0.020		0.010			0.01	0.01
	11 30	0083	0.24	0.090	0.080		0.010			0.15	0.15

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KjEL MG/L	00605 ORG N MG/L	0060A NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
77/07/12	12 00	0002	0.01	0.000	0.000		0.010			0.01	
77/07/26	11 30	0010	0.19	0.180	0.180		0.000			0.01	
	12 00	0083	0.33	0.140	0.140		0.000			0.19	
	12 30	0002	0.01	0.000	0.000		0.000			0.01	
77/08/18	11 30	0080	0.17	0.010	0.010		0.000			0.16	
	12 00	0010	0.05	0.040	0.040		0.000			0.01	
	12 30	0002	0.25	0.250	0.250		0.000			0.00	
77/08/30	12 30	0092	0.11	0.050	0.040		0.010			0.06	0.03
	13 00	0002	0.10	0.080	0.070		0.010			0.02	0.02
	13 30	0085	0.30	0.220	0.200		0.020			0.08	
	14 00	0010	0.01	0.000	0.000		0.010			0.01	
77/09/13	11 00	0010	0.02	0.020	0.020		0.000			0.00	
	11 30	0084	0.63	0.420	0.420		0.000			0.21	
	12 00	0002	0.05	0.050	0.050		0.000			0.00	
77/09/29	10 30	0010	0.08	0.030	0.020		0.010			0.05	
	11 00	0083	0.03	0.020	0.010		0.010			0.01	
	11 30	0002	0.04	0.030	0.030		0.000			0.01	
78/06/29	10 30	0010	0.46	0.430	0.430		0.000			0.03	0.06
	11 00	0115	0.41	0.290	0.290		0.000			0.12	0.14
	11 30	0002	0.04	0.000	0.000		0.010			0.04	0.06
78/07/13	10 30	0010	0.27	0.220	0.220		0.000			0.05	
	11 00	0125	0.38	0.240	0.240		0.000			0.14	
	11 30	0002	0.30	0.260	0.260		0.000			0.04	
78/07/27	10 30	0010	0.13	0.110	0.100		0.010			0.02	
	11 30	0130	0.27	0.170	0.110		0.010			0.15	
	12 00	0002	0.13	0.110	0.100		0.010			0.02	
78/08/10	10 00	0010	0.17	0.150	0.130		0.020			0.02	
	10 30	0128	0.33	0.150	0.130		0.020			0.18	
	11 00	0002	0.18	0.160	0.140		0.020			0.02	
78/08/31	10 30	0010	0.06	0.060	0.050		0.010			0.00	
	11 00	0127	0.23	0.060	0.050		0.010			0.17	
	11 30	0002	0.13	0.130	0.120		0.010			0.00	
78/09/14	10 30	0010	0.15	0.140	0.140		0.000			0.01	
	11 00	0127	0.30	0.110	0.110		0.000			0.19	
	11 30	0002	0.17	0.160	0.160		0.000			0.01	
78/09/28	10 30	0010	1.40	1.400	1.400		0.000			0.02	

TABLE 49 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00600 TOTAL N MG/L	00625 TOT KjEL MG/L	00605 ORG N MG/L	0060A NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	0061A NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
78/09/28	11 00	0127	0.44	0.220	0.220		0.000			0.22	
	11 30	0002	1.50	1.500	1.500		0.010			0.02	
78/10/11	11 00	0010					0.000			0.01	0.01
	11 30	0124					0.010			0.07	0.08
	12 00	0002					0.000			0.01	0.01
78/10/24	11 00	0010					0.010			0.02	
	11 30	0121					0.010			0.02	
	12 00	0002					0.010			0.01	

TABLE 50 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/06/05	14 00	0215		0.030	
	15 00	0010		0.060	
72/06/13	09 00	0248		0.070	
	09 30	0010		0.070	
72/06/20	10 20	0258		0.070	
	10 40	0010		0.040	
72/06/27	10 15	0260		0.050	
	11 00	0010		0.040	
72/07/05	09 45	0258		0.030	
	10 00	0010		0.010	
72/07/12	09 45	0275		0.060	
	10 00	0010		0.010	
72/07/18	09 30	0275		0.050	
	09 45	0010		0.020	
72/07/24	12 45	0290		0.030	
	13 30	0010		0.030	
72/08/01	14 45	0265		0.010	
	15 00	0010		0.000	
72/08/08	13 30	0277		0.040	
	13 45	0010		0.030	
72/08/15	13 30	0287		0.030	
	13 45	0010		0.010	
72/08/22	13 15	0269		0.040	
	13 30	0010		0.020	
72/08/28	10 45	0274		0.010	
	11 00	0010		0.010	
72/09/05	13 15	0271		0.050	
	13 30	0010		0.020	
72/09/11	12 45	0291		0.060	
	13 00	0010		0.020	
72/09/18	13 15	0280		0.060	
	13 30	0010		0.030	
72/09/25	12 30	0259		0.040	
	12 45	0010		0.040	
72/10/02	12 30	0249		0.020	
	12 45	0010		0.010	

TABLE 50 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/10/10	12 15	0211		0.020	
	12 30	0010		0.030	
72/10/17	10 30	0223		0.040	
	11 00	0010		0.030	
72/10/24	13 00	0203		0.040	
	13 30	0010		0.030	
72/10/31	12 45	0194		0.040	
	13 00	0010		0.030	
72/11/06	13 00	0180		0.030	
	13 15	0010		0.020	
72/11/14	10 30	0155		0.070	
	10 45	0010		0.040	
72/11/21	13 00	0113		0.050	
	13 15	0010		0.050	
72/11/27	13 00	0100		0.040	
	13 15	0010		0.050	
73/04/17	12 00	0060		0.100	
	12 15	0010		0.140	
73/04/24	09 30	0095		0.100	
	09 45	0010		0.060	
73/04/30	10 30	0107		0.110	
	10 45	0010		0.040	
73/05/07	10 30	0111		0.110	
	10 45	0010		0.040	
73/05/14	10 15	0126		0.100	
	10 45	0010		0.030	
73/05/21	12 30	0150		0.090	
	13 00	0010		0.050	
73/05/29	10 30	0177		0.110	
	11 00	0010		0.080	
73/06/04	10 30	0194		0.080	
	11 00	0010		0.030	
73/06/11	11 00	0210		0.080	
	11 30	0010		0.040	
73/06/18	10 00	0221		0.070	
	10 30	0010		0.030	

TABLE 50 LAKE KOCANUSA AT FURBERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CHEMICAL DATA: STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-PTS MG/L P	PHOS-PTS MG/L P
73/06/27	10 00	0237		0.060	
	10 30	0010		0.020	
73/07/02	10 30	0248		0.080	
	11 00	0010		0.020	
73/07/09	10 30	0252		0.080	
	11 00	0010		0.010	
73/07/16	12 30	0256		0.050	0.050
	13 00	0010		0.010	0.010
73/07/23	10 30	0258		0.060	
	11 00	0010		0.000	
73/07/30	10 00	0261		0.080	
	10 30	0010		0.020	
73/08/06	10 30	0260		0.060	
	11 00	0010		0.000	
73/08/13	11 00	0266		0.070	0.070
	11 30	0010		0.010	0.010
73/08/20	11 30	0266		0.000	
	12 00	0010		0.090	
73/08/28	10 30	0260		0.070	
	11 00	0010		0.000	
73/09/04	10 30	0255		0.080	
	11 00	0010		0.000	
73/09/13	10 30	0250		0.030	0.060
	11 00	0010		0.050	0.000
73/09/17	10 30	0243		0.100	
	11 00	0010		0.000	
73/09/24	10 30	0235		0.080	
	11 00	0010		0.000	
73/10/01	10 30	0235		0.000	0.050
	11 00	0010		0.050	0.030
73/10/10	09 30	0230		0.060	
	10 00	0010		0.050	
73/10/16	12 00	0227		0.080	
	12 30	0010		0.070	
73/10/24	09 30	0226		0.030	
	10 00	0010		0.000	

TABLE 50 LAKE KOCANUSA AT FURBERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CHEMICAL DATA: STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-PTS MG/L P	PHOS-PTS MG/L P
73/10/29	10 30	0220		0.080	
	11 00	0010		0.080	
73/11/13	10 00	0010		0.060	
	10 30	0230		0.080	
73/11/28	10 00	0214		0.060	0.050
	10 30	0010		0.050	0.000
73/12/05	09 30	0213		0.070	
	09 45	0010		0.060	
73/12/19	10 30	0220		0.050	
	11 00	0010		0.070	
74/04/03	12 30	0158		0.030	
	13 00	0010		0.000	
74/04/10	11 00	0161		0.070	
	11 30	0010		0.070	
74/04/17	10 30	0159		0.040	
	11 00	0010		0.030	
74/04/23	11 00	0163		0.110	0.040
	11 30	0010		0.110	0.000
74/05/02	10 30	0163		0.120	
	11 00	0010		0.070	
74/05/08	10 30	0168		0.130	
	11 00	0010		0.050	
74/05/16	11 00	0177		0.100	
	11 30	0010		0.040	
74/05/21	10 30	0183		0.110	0.080
	11 00	0010		0.050	0.020
74/05/29	11 00	0193		0.090	
	11 30	0010		0.030	
74/06/14	10 15	0229	0.100		0.050
	10 45	0010	0.050		0.030
	11 00	0005	0.040		0.020
	11 15	0001	0.040		0.020
74/06/28	11 00	0282			0.050
	11 30	0010	0.060		0.020
	12 00	0023			0.020
	12 30	0001			0.010

TABLE 50 LAKE KOUCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
74/07/12	10 45	0300	0.070		0.040
	11 00	0010	0.040		0.000
	11 15	0004	0.030		0.000
	11 30	0000	0.040		0.010
74/07/26	10 30	0300	0.090		0.000
	10 45	0010	0.040		0.010
	11 15	0013	0.040		0.010
	11 30	0001	0.020		0.010
74/08/09	10 15	0300	0.060		0.010
	10 45	0030	0.020		0.000
	11 00	0010	0.010		0.000
	11 15	0001	0.010		0.000
74/08/23	10 00	0010	0.010		0.000
	11 00	0300	0.070		0.030
	11 30	0031	0.020		0.000
	12 00	0003	0.010		0.000
74/09/06	11 30	0300	0.080		0.000
	11 45	0010	0.090		0.030
	12 00	0035	0.020		0.000
	12 15	0001	0.020		0.000
74/09/20	11 15	0290	0.080		0.050
	11 45	0010	0.010		0.010
	12 45	0035	0.010		0.010
	13 00	0001	0.040		0.010
74/10/04	11 00	0300	0.080		0.000
	11 15	0010	0.010		0.010
	11 30	0025	0.010		0.010
	11 45	0001	0.010		0.000
74/10/18	13 00	0283	0.080		0.060
	13 15	0010	0.000		0.010
	13 30	0030	0.000		0.010
	13 45	0003	0.000		0.010
74/11/01	10 45	0272	0.070		0.050
	11 00	0010	0.000		0.010
	11 15	0020	0.010		0.000
	11 30	0001	0.010		0.010

TABLE 50 LAKE KOUCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
74/11/20	11 30	0257	0.080		0.040
	11 45	0010	0.030		0.010
	13 00	0003	0.020		0.010
	13 15	0001	0.020		0.000
75/04/18	11 30	0141	0.040		0.010
	12 30	0010	0.030		0.000
	13 00	0020	0.020		0.000
	13 30	0001	0.030		0.000
75/05/06	11 45	0142	0.100		0.050
	12 30	0010	0.060		0.030
	13 00	0013	0.080		0.040
	13 30	0001	0.060		0.040
75/05/20	12 15	0166	0.040		0.020
	12 30	0010	0.040		0.010
	13 00	0005	0.050		0.010
	13 15	0001	0.050		0.010
75/06/04	11 30	0195	0.060		0.040
	12 00	0010	0.060		0.030
	12 30	0005	0.050		0.040
	13 00	0001	0.050		0.040
75/06/25	12 30	0245	0.060		0.050
	12 45	0010	0.000		0.010
	13 00	0015	0.020		
	13 15	0001	0.010		
75/07/18	12 15	0283	0.060		0.030
	12 30	0010	0.040		0.010
	12 45	0020	0.040		0.010
	13 00	0001	0.040		0.010
75/07/29	12 30	0288	0.080		0.070
	13 00	0010	0.060		0.000
	13 30	0025	0.050		0.010
	13 45	0002	0.050		0.010
75/08/12	11 00	0292	0.050		0.060
	11 30	0010	0.030		0.010
	12 00	0030	0.010		0.010
	12 30	0002	0.030		0.010



TABLE 50 LAKE KOUKANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301918

CDF/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT	PHOS-DIS	PHOS-DIS
			MG/L P	MG/L P	MG/L P
75/08/29	11 00	0300	0.050		0.040
	11 15	0010	0.010		0.010
	11 30	0030	0.010		0.010
	11 45	0001	0.010		0.010
75/09/10	11 15	0300	0.070		0.050
	11 30	0010	0.020		0.010
	12 00	0045	0.040		0.030
	12 15	0025	0.030		0.020
75/09/24	12 15	0300	0.070		0.040
	12 45	0010	0.030		0.010
	13 00	0020	0.030		0.010
	13 15	0001	0.040		0.010
75/10/09	10 30	0285	0.070		0.030
	11 00	0010	0.040		0.010
	11 15	0030	0.040		0.010
	11 30	0001	0.040		0.010
75/10/31	11 00	0300	0.080		0.050
	11 15	0010	0.050		0.020
	11 30	0025	0.050		0.040
	11 45	0001	0.050		0.030
76/04/20	12 30	0170	0.030		0.000
	13 00	0010	0.040		0.010
	13 15	0020	0.040		0.010
	13 30	0002	0.040		0.010
76/05/06	11 30	0184	0.040		0.010
	12 30	0010	0.040		0.000
	13 00	0015	0.030		0.010
	13 30	0002	0.030		0.000
76/05/25	12 15	0248	0.050		0.030
	12 45	0010	0.030		0.010
	13 00	0020	0.030		0.010
	13 15	0005	0.020		0.010
76/06/04	11 00	0268	0.040		0.030
	12 30	0010	0.030		0.010
	13 00	0005	0.030		0.010
	13 30	0001	0.030		0.010

TABLE 50 LAKE KOUKANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301918

CDF/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT	PHOS-DIS	PHOS-DIS
			MG/L P	MG/L P	MG/L P
76/06/22	10 30	0010	0.020		0.010
	12 30	0281	0.030		0.010
	13 00	0020	0.020		0.010
	13 30	0001	0.010		0.010
76/07/09	11 00	0295	0.030		0.040
	11 30	0010	0.020		0.010
	12 00	0025	0.010		0.010
	12 30	0001	0.010		0.000
76/07/30	11 00	0305	0.040		0.010
	12 00	0010	0.010		0.000
	13 00	0035	0.020		0.000
	13 30	0001	0.010		0.000
76/08/11	12 00	0305	0.030		0.020
	12 30	0010	0.000		0.000
	13 00	0040	0.000		0.000
	13 30	0001	0.000		0.000
76/08/31	11 00	0010	0.000		0.000
	12 30	0300	0.030		0.010
	13 00	0040	0.010		0.000
	13 30	0001	0.000		0.010
76/09/16	11 00	0304	0.020		0.040
	13 00	0010	0.000		0.010
	13 30	0050	0.000		0.000
	14 00	0001	0.000		0.000
76/09/29	10 30	0010	0.000		0.010
	11 00	0307	0.030		0.030
	13 00	0040	0.000		0.030
	13 30	0001	0.000		0.000
76/10/14	11 00	0010	0.000	0.000	0.000
	11 30	0300	0.070	0.050	0.020
	12 00	0002	0.030	0.030	0.000
76/10/26	11 30	0010	0.010	0.000	0.000
	13 30	0002	0.000	0.000	0.000
	14 00	0300	0.040	0.030	0.020
77/05/04	13 00	0212	0.010	0.000	0.040
	13 30	0010	0.030	0.000	0.030

TABLE 50 LAKE KOUCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
77/05/08	13 45	0002	0.010	0.000	0.030
77/05/28	12 00	0230	0.000	0.000	0.010
	13 00	0010	0.010	0.000	0.010
	13 30	0002	0.000	0.000	0.010
77/06/13	11 30	0010	0.000	0.000	0.020
	12 45	0250	0.000	0.000	0.000
	13 15	0001	0.000	0.000	0.020
77/06/29	11 00	0010	0.000	0.000	0.000
	11 30	0262	0.010	0.010	0.010
	12 30	0002	0.000	0.000	0.000
77/07/14	11 30	0010	0.000	0.000	0.000
	12 00	0262	0.020	0.000	0.010
	12 30	0002	0.000	0.000	0.000
77/07/27	11 00	0010	0.000	0.000	0.000
	11 30	0255	0.010	0.010	0.010
	12 00	0002	0.000	0.000	0.000
77/08/16	09 30	0258	0.030	0.000	0.010
	10 00	0010	0.000	0.030	0.010
	10 30	0002	0.000	0.010	0.000
77/08/31	12 30	0260	0.010	0.030	0.010
	13 00	0002	0.010	0.030	0.010
77/09/30	11 00	0010	0.000	0.000	0.000
	11 30	0260	0.020	0.020	0.000
	12 00	0002	0.000	0.000	0.000
77/10/12	10 30	0010	0.040	0.000	0.010
	12 00	0255	0.040	0.010	0.010
	12 30	0002	0.010	0.020	0.000
77/10/26	10 30	0010	0.010	0.000	0.000
	11 30	0254	0.020	0.020	0.010
	12 00	0002	0.010	0.000	0.000
78/05/09	12 30	0214	0.010	0.008	0.006
	12 45	0010	0.006	0.000	0.000
	13 00	0002	0.004	0.000	0.000
78/05/26	11 00	0010	0.000	0.000	0.000
	11 30	0245	0.025	0.018	0.005
	12 00	0002	0.000	0.000	0.000

TABLE 50 LAKE KOUCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
78/06/14	10 30	0010	0.012	0.012	0.002
	11 00	0277	0.015	0.015	0.007
	11 30	0002	0.013	0.012	0.000
78/06/28	10 30	0010	0.003	0.001	0.001
	11 00	0290	0.003	0.008	0.005
	12 00	0002	0.002	0.002	0.001
78/06/29	13 00	0010	0.005	0.005	0.002
78/07/12	11 30	0010	0.008	0.001	0.000
	12 00	0305	0.014	0.009	0.009
	12 30	0002	0.001	0.001	0.000
78/07/26	10 30	0010	0.002	0.000	0.000
	12 30	0308	0.014	0.010	0.010
	13 00	0002	0.002	0.000	0.000
78/08/09	11 00	0010	0.003	0.000	0.000
	11 30	0310	0.012	0.012	0.009
	12 00	0002	0.003	0.000	0.000
78/08/30	10 30	0010	0.002	0.001	0.001
	11 00	0310	0.012	0.010	0.010
	11 30	0002	0.002	0.001	0.001
78/09/13	10 30	0010	0.006	0.003	0.000
	11 00	0307	0.015	0.014	0.011
	11 30	0002	0.003	0.001	0.001
78/09/27	10 30	0010	0.001	0.000	0.000
	11 00	0303	0.015	0.012	0.012
	11 30	0002	0.002	0.000	0.000
78/10/12	11 00	0010	0.000	0.000	0.000
	11 30	0305	0.015	0.012	0.012
	12 00	0002	0.001	0.000	0.000
78/10/25	10 30	0010	0.003	0.000	0.000
	11 00	0302	0.017	0.014	0.007
	11 30	0002	0.005	0.000	0.000

TABLE 51 LAKE KODJANUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHU MG/L P
72/06/06	13 00	0152		0.040	
	13 30	0010		0.040	
72/06/13	11 30	0181		0.070	
	12 00	0010		0.060	
72/06/20	13 30	0191		0.050	
	13 45	0010		0.020	
72/06/27	13 15	0190		0.040	
	14 00	0010		0.040	
72/07/05	12 30	0202		0.020	
	12 45	0010		0.010	
72/07/12	13 00	0205		0.050	
	13 15	0010		0.030	
72/07/19	14 15	0218		0.030	
	14 30	0010		0.030	
72/07/25	12 45	0220		0.030	
	13 15	0010		0.010	
72/08/01	11 15	0220		0.020	
	11 30	0010		0.000	
72/08/08	10 15	0221		0.040	
	10 30	0010		0.020	
72/08/15	10 30	0214		0.030	
	10 45	0010		0.020	
72/08/22	10 15	0210		0.030	
	10 30	0010		0.010	
72/08/29	10 15	0212		0.020	
	10 30	0010		0.010	
72/09/05	10 15	0214		0.000	
	10 30	0010		0.010	
72/09/11	10 00	0218		0.030	
	10 15	0010		0.010	
72/09/18	10 15	0214		0.040	
	10 30	0010		0.030	
72/09/26	10 15	0201		0.030	
	10 30	0010		0.020	
72/10/02	10 00	0188		0.010	
	10 15	0010		0.010	

TABLE 51 LAKE KODJANUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHU MG/L P
72/10/10	09 45	0095		0.020	
72/10/16	11 30	0165		0.040	
	12 00	0010		0.020	
72/10/24	10 15	0152		0.020	
	10 45	0010		0.030	
72/10/31	11 00	0128		0.040	
	11 15	0010		0.020	
72/11/06	10 15	0115		0.030	
	10 30	0010		0.020	
72/11/13	12 30	0098		0.050	
	12 45	0010		0.050	
72/11/21	10 15	0076		0.020	
	10 30	0010		0.030	
72/11/27	10 45	0059		0.060	
	11 00	0010		0.060	
73/03/14	13 00	0062		0.190	
	13 30	0010		0.310	
73/04/16	13 00	0045		0.050	
	13 15	0010		0.020	
73/04/25	09 30	0050		0.120	
	10 00	0010		0.060	
73/04/30	12 30	0057		0.050	
	12 45	0010		0.050	
73/05/07	13 15	0010		0.040	
	13 30	0062		0.060	
73/05/14	12 45	0076		0.060	
	13 00	0010		0.050	
73/05/23	10 00	0110		0.060	
	10 30	0010		0.050	
73/05/29	13 15	0128		0.040	
	13 30	0010		0.030	
73/06/04	13 00	0143		0.020	
	13 30	0010		0.030	
73/06/11	13 30	0165		0.040	
	14 00	0010		0.020	
73/06/19	10 00	0177		0.030	

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
73/06/19	10 30	0010		0.010	
73/06/27	12 30	0192		0.040	
	13 00	0010		0.020	
73/07/02	13 00	0198		0.030	
	13 30	0010		0.020	
73/07/09	13 30	0206		0.030	
	14 00	0010		0.010	
73/07/17	11 00	0210		0.030	0.030
	11 30	0010		0.010	0.010
73/07/23	13 30	0190		0.030	
	14 00	0010		0.010	
73/07/30	13 00	0204		0.040	
	13 30	0010		0.020	
73/08/06	13 00	0218		0.040	
	13 30	0010		0.010	
73/08/14	11 30	0218		0.050	0.030
	12 00	0010		0.020	0.010
73/08/20	14 30	0216		0.020	
	15 00	0010		0.000	
73/08/28	13 00	0210		0.000	
	13 30	0010		0.000	
73/09/04	13 00	0205		0.060	
	13 30	0010		0.040	
73/09/14	10 00	0197		0.030	0.020
	10 30	0010		0.030	0.010
73/09/17	13 30	0197		0.020	
	14 00	0010		0.000	
73/09/24	13 00	0191		0.050	
	13 30	0010		0.050	
73/10/02	10 30	0186		0.100	0.090
	11 00	0010		0.080	0.070
73/10/10	11 00	0182		0.070	
	11 30	0010		0.050	
73/10/16	13 30	0180		0.070	
	14 00	0010		0.050	
73/10/24	11 30	0178		0.040	

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
73/10/24	12 00	0010		0.030	
73/10/29	13 30	0177		0.070	
	14 00	0010		0.060	
73/11/13	12 30	0010		0.060	
	13 00	0170		0.050	
73/11/29	10 30	0170		0.100	0.050
	11 00	0010		0.050	0.050
73/12/05	12 30	0170		0.060	
	13 00	0010		0.060	
73/12/19	13 00	0173		0.070	
	13 30	0010		0.050	
74/04/03	14 30	0118		0.120	
	15 00	0010		0.060	
74/04/10	13 30	0114		0.120	
	14 00	0010		0.100	
74/04/17	13 00	0116		0.110	
	13 30	0010		0.150	
74/04/25	10 30	0116		0.130	0.080
	11 00	0010		0.050	0.010
74/05/02	13 30	0117		0.110	
	14 00	0010		0.050	
74/05/08	13 30	0115		0.120	
	14 00	0010		0.050	
74/05/16	12 30	0133		0.090	
	13 00	0010		0.040	
74/05/23	10 00	0140		0.070	0.040
	10 30	0010		0.050	0.030
74/05/29	13 30	0147		0.070	
	14 00	0010		0.030	
74/06/13	10 00	0176	0.150		0.150
	10 30	0010	0.130		0.130
	11 00	0005	0.120		0.080
	11 15	0001	0.060		0.070
74/06/27	12 30	0234	0.110		0.010
	13 00	0017	0.030		0.000
	13 15	0010	0.020		0.000

TABLE 51 LAKE KOGONUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
74/06/27	13 45	0003			0.000
74/07/11	10 45	0250	0.070		0.020
	11 00	0010	0.040		0.000
	11 15	0005	0.040		0.010
	11 30	0000	0.040		0.010
74/07/25	11 30	0260	0.060		0.030
	12 00	0010	0.020		0.010
	13 00	0019	0.030		0.010
	13 30	0002	0.020		0.010
74/08/08	10 45	0260	0.070		0.010
	11 00	0025	0.050		0.010
	11 30	0010	0.030		0.000
	11 45	0001	0.030		0.000
74/08/22	13 00	0259	0.060		0.010
	13 30	0010	0.010		0.000
	14 00	0031	0.010		0.000
	14 30	0003	0.000		0.000
74/09/03	11 45	0262	0.060		0.010
	12 00	0010	0.000		0.000
	12 30	0035	0.000		0.010
	12 45	0001	0.000		0.000
74/09/19	11 30	0258	0.060		0.010
	12 00	0010	0.040		0.000
	13 00	0038	0.020		0.010
	13 15	0001	0.020		0.000
74/10/03	11 30	0255	0.070		0.010
	12 00	0010	0.020		0.000
	12 15	0025	0.010		0.000
	12 30	0001	0.010		0.000
74/10/15	13 00	0241	0.050		0.030
	13 15	0010	0.000		0.010
	13 45	0034	0.010		0.010
	14 00	0003	0.000		0.010
74/10/29	10 45	0230	0.080		0.010
	11 15	0010	0.020		0.000
	11 30	0025	0.010		0.000

TABLE 51 LAKE KOGONUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
74/10/29	11 45	0001	0.010		0.000
74/11/19	12 30	0214	0.020		0.000
	13 00	0010	0.020		0.000
	13 15	0016	0.020		0.000
	13 30	0000	0.020		0.000
75/04/16	12 45	0090	0.080		0.050
	13 15	0010	0.080		0.050
	13 30	0012	0.080		0.050
	14 00	0001	0.080		0.050
75/05/05	12 15	0085	0.090		0.070
	12 45	0010	0.100		0.070
	13 15	0005	0.090		0.070
	13 45	0001	0.100		0.070
75/05/21	12 15	0112	0.050		0.040
	12 30	0010	0.130		0.040
	13 00	0003	0.120		0.040
	13 15	0001	0.110		0.040
75/06/03	12 30	0132	0.060		0.040
	13 00	0010	0.060		0.030
	13 30	0005	0.060		0.010
	14 00	0001	0.060		0.010
75/06/24	12 30	0165	0.050		0.020
	12 45	0010	0.030		0.010
	13 00	0015	0.030		0.010
	13 15	0001	0.050		0.010
75/07/14	12 45	0210	0.060		0.010
	13 15	0010	0.030		0.000
	13 30	0020	0.030		0.010
	13 45	0002	0.020		0.010
75/07/28	12 30	0250	0.050		0.050
	13 00	0010	0.010		0.020
	13 30	0030	0.030		0.030
	13 45	0020	0.020		0.010
75/08/11	12 30	0235	0.030		0.040
	13 00	0010	0.030		0.010
	13 30	0035	0.030		0.010

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORE1 RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
75/08/11	14 00	0002	0.020		0.030
75/08/26	12 00	0248	0.050		0.030
	12 15	0010	0.010		0.010
	12 45	0030	0.010		0.010
	13 00	0001	0.010		0.010
75/09/09	11 30	0240	0.080		0.020
	12 00	0010	0.040		0.010
	12 15	0040	0.060		0.010
	12 30	0002	0.030		0.000
75/09/23	13 15	0239	0.050		0.060
	13 30	0010	0.030		0.040
	13 45	0020	0.040		0.030
	14 00	0001	0.030		0.030
75/10/06	11 30	0245	0.070		0.030
	12 00	0010	0.030		0.010
	13 00	0030	0.030		0.010
	13 15	0001	0.030		0.010
75/10/28	12 00	0232	0.080		0.040
	12 15	0010	0.060		0.020
	12 30	0030	0.050		0.020
	12 45	0001	0.050		0.020
76/04/12	13 00	0105	0.030		0.010
	13 30	0010	0.030		0.010
	14 00	0015	0.040		0.010
	14 30	0002	0.050		0.010
76/05/04	11 30	0127	0.050		0.000
	12 30	0010	0.070		0.010
	13 00	0005	0.090		0.010
	13 30	0001	0.040		0.010
76/05/24	12 00	0179	0.040		0.020
	12 30	0010	0.020		0.010
	12 45	0020	0.030		0.010
	13 00	0005	0.020		0.010
76/06/03	11 00	0187	0.040		0.020
	11 30	0010	0.020		0.000
	13 00	0005	0.020		0.000

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORE1 RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
76/06/03	13 30	0001	0.020		0.000
76/06/21	11 30	0225	0.040		0.010
	12 30	0010	0.020		0.010
	13 00	0015	0.020		0.010
	13 30	0001	0.020		0.010
76/07/06	11 30	0250	0.050		0.010
	12 00	0010	0.010		0.000
	13 00	0025	0.010		0.010
	13 30	0002	0.010		0.000
76/07/29	12 30	0245	0.040		0.010
	13 00	0010	0.010		0.000
	13 30	0030	0.010		0.000
	14 00	0001	0.010		0.000
76/08/09	12 00	0248	0.050		0.010
	12 30	0010	0.010		0.000
	13 00	0040	0.020		0.010
	13 30	0001	0.000		0.010
76/08/30	12 30	0245	0.010		0.030
	13 00	0010	0.000		0.000
	13 30	0040	0.000		0.010
	14 00	0001	0.000		0.000
76/09/14	10 30	0245	0.010		0.010
	12 30	0010	0.000		0.010
	13 00	0040	0.000		0.010
	13 30	0001	0.000		0.010
76/09/27	10 30	0010	0.000		0.000
	11 00	0245	0.010		0.010
	13 00	0040	0.000		0.000
	13 30	0001	0.000		0.000
76/10/12	10 30	0010	0.020	0.020	0.030
	11 00	0230	0.050	0.050	0.000
	12 30	0002	0.020	0.000	0.000
76/10/28	11 00	0010	0.010	0.000	0.000
	11 30	0001	0.020	0.010	0.000
	13 00	0230	0.030	0.030	0.030
77/05/10	12 00	0170	0.000	0.000	0.050

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
77/05/10	12 15	0010	0.000	0.000	0.050
	12 30	0001	0.000	0.000	0.050
77/05/23	12 00	0010	0.010	0.000	0.010
	13 00	0185	0.010	0.000	0.010
	13 30	0002	0.000	0.000	0.010
77/06/14	11 00	0010	0.050	0.010	0.030
	12 00	0206	0.000	0.000	0.000
	12 15	0002	0.010	0.020	0.000
77/06/27	11 30	0010	0.020	0.010	0.010
	12 30	0219	0.010	0.000	0.010
	13 00	0002	0.020	0.000	0.010
77/07/11	12 00	0010	0.000	0.020	0.000
	12 30	0214	0.000	0.030	0.010
	13 00	0002	0.000	0.020	0.000
77/07/25	11 30	0010	0.000	0.000	0.010
	12 00	0218	0.010	0.010	0.030
	12 30	0002	0.010	0.010	0.000
77/08/15	13 00	0214	0.010	0.000	0.010
	13 30	0010	0.000	0.000	0.010
	14 00	0002	0.000	0.000	0.010
77/08/29	11 30	0010	0.000	0.020	0.010
	12 00	0210	0.010	0.010	0.020
	12 30	0002	0.000	0.000	0.010
77/09/12	11 30	0010	0.000	0.000	0.010
	12 30	0210	0.000	0.000	0.010
	13 00	0002	0.000	0.000	0.010
77/09/28	12 30	0215	0.010	0.010	0.000
	13 00	0010	0.000	0.000	0.000
	13 30	0002	0.000	0.000	0.000
77/10/11	12 00	0010	0.010	0.000	0.020
	13 00	0207	0.020	0.010	0.010
	13 30	0002	0.000	0.000	0.010
77/10/25	11 00	0010	0.010	0.000	0.010
	13 00	0203	0.020	0.000	0.020
	13 30	0002	0.010	0.000	0.010
78/05/08	13 00	015A	0.005	0.005	0.004

TABLE 51 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
78/05/08	13 15	0010	0.005	0.003	0.002
	13 30	0002	0.004	0.002	0.001
78/05/25	11 30	0010	0.010	0.000	0.000
	12 00	0187	0.010	0.000	0.000
	12 30	0002	0.000	0.000	0.000
78/06/13	11 00	0010	0.013	0.013	0.002
	11 30	0220	0.016	0.023	0.004
	12 00	0002	0.013	0.016	0.002
78/06/27	11 00	0010	0.007	0.000	0.000
	11 30	0235	0.009	0.004	0.003
	12 00	0002	0.004	0.001	0.000
78/07/11	11 30	0010	0.002	0.001	0.001
	12 00	0250	0.006	0.005	0.005
	12 30	0002	0.001	0.000	0.000
78/07/24	10 30	0010	0.002	0.000	0.000
	11 00	0253	0.006	0.006	0.006
	11 30	0002	0.000	0.000	0.000
78/08/08	11 00	0010	0.001	0.000	0.000
	11 30	025A	0.005	0.005	0.005
	12 00	0002	0.002	0.000	0.000
78/08/29	11 30	0010	0.004	0.000	0.000
	12 00	025A	0.009	0.008	0.006
	12 30	0002	0.005	0.005	0.001
78/09/12	11 30	0010	0.002	0.000	0.000
	12 00	0255	0.010	0.009	0.007
	12 30	0002	0.001	0.001	0.000
78/09/26	10 30	0010	0.001	0.000	0.000
	11 00	0255	0.010	0.010	0.005
	11 30	0002	0.000	0.000	0.000
78/10/10	11 30	0010	0.004	0.000	0.000
	12 00	0251	0.033	0.009	0.009
	12 30	0002	0.003	0.000	0.000
78/10/23	11 30	0010	0.003	0.001	0.000
	12 00	0245	0.012	0.010	0.007
	12 30	0002	0.002	0.000	0.000

TABLE 52 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
72/06/07	14 00	0069		0.060	
	14 30	0010		0.050	
72/06/14	10 30	0122		0.020	
	11 00	0010		0.020	
72/06/21	09 15	0116		0.060	
	09 30	0010		0.050	
72/06/28	08 45	0151		0.080	
	09 15	0010		0.080	
72/07/06	08 45	0122		0.030	
	09 00	0010		0.010	
72/07/13	10 00	0161		0.020	
	10 15	0010		0.020	
72/07/19	08 00	0162		0.040	
	08 15	0010		0.020	
72/07/26	13 15	0125		0.020	
	13 30	0010		0.020	
72/08/02	08 45	0155		0.030	
	09 00	0010		0.020	
72/08/09	08 30	0155		0.010	
	08 45	0010		0.000	
72/08/16	09 45	0156		0.020	
	10 00	0010		0.010	
72/08/23	08 15	0153		0.040	
	08 30	0010		0.030	
72/08/30	10 15	0160		0.040	
	10 30	0010		0.020	
72/09/06	09 15	0162		0.040	
	09 30	0010		0.020	
72/09/12	09 15	0126		0.040	
	09 30	0010		0.030	
72/09/21	10 45	0125		0.030	
	11 00	0010		0.030	
72/09/27	10 45	0137		0.020	
	11 00	0010		0.050	
72/10/03	09 06	0111		0.040	
	09 15	0010		0.020	

TABLE 52 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
72/10/18	11 00	0092		0.060	
	11 30	0010		0.050	
72/10/25	09 15	0077		0.050	
	09 45	0010		0.040	
72/11/01	09 30	0060		0.040	
	09 45	0010		0.020	
72/11/15	10 30	0026		0.050	
	10 45	0010		0.040	
72/11/22	09 00	0001		0.110	
72/11/28	09 00	0001		0.150	
72/12/07	10 00	0001		0.090	
72/12/15	14 00	0001		0.120	
72/12/20	10 00	0001		0.320	
72/12/29	13 00	0001		0.220	
73/01/04	13 00	0001		0.140	
73/01/11	13 00	0001		0.120	
73/01/17	13 00	0001		0.200	
73/01/26	14 00	0001		0.220	
73/02/02	14 00	0001		0.240	
73/02/08	10 00	0001		0.360	
73/02/15	12 30	0001		0.260	
73/02/22	10 00	0001		0.270	
73/03/02	14 00	0001		0.160	
73/03/08	09 30	0001		0.160	
73/03/16	10 30	0001		0.070	
73/03/22	11 00	0001		0.060	
73/03/30	09 30	0001		0.010	
73/04/05	09 30	0001		0.010	
73/04/13	09 30	0001		0.040	
73/04/20	08 30	0001		0.030	
73/04/26	09 00	0001		0.080	
73/05/04	11 00	0001		0.080	
73/05/10	12 00	0001		0.050	
73/05/17	12 00	0001		0.130	
73/05/22	10 00	0045		0.020	
	10 30	0010		0.020	



TABLE 52 LAKE KOUCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
73/05/30	10 30	0069		0.030	
	11 00	0010		0.020	
73/06/05	12 00	0089		0.020	
	12 30	0010		0.010	
73/06/12	08 00	0105		0.040	
	08 30	0010		0.030	
73/06/20	10 00	0120		0.030	
	10 30	0010		0.020	
73/06/28	08 00	0133		0.040	
	08 30	0010		0.020	
73/07/03	08 00	0138		0.050	
	08 30	0010		0.030	
73/07/10	08 30	0145		0.050	
	09 00	0010		0.020	
73/07/19	11 00	0121		0.020	0.020
	11 30	0010		0.000	0.000
73/07/24	08 00	0151		0.050	
	08 30	0010		0.020	
73/07/31	08 00	0155		0.040	
	08 30	0010		0.030	
73/08/07	08 00	0158		0.030	
	08 30	0010		0.030	
73/08/16	11 00	0160		0.040	0.040
	11 30	0010		0.020	0.020
73/08/21	08 30	0158		0.010	
	09 00	0010		0.000	
73/08/29	08 30	0150		0.030	
	09 00	0010		0.020	
73/09/05	08 00	0145		0.070	
	08 30	0010		0.040	
73/09/10	11 00	0145		0.050	0.050
	11 30	0010		0.020	0.040
73/09/18	09 00	0135		0.100	
	09 30	0010		0.070	
73/09/25	08 30	0132		0.050	
	09 00	0010		0.050	

TABLE 52 LAKE KOUCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
73/10/04	10 30	0130		0.030	0.050
	11 00	0010		0.030	0.050
73/10/09	12 00	0122		0.050	
	12 30	0010		0.050	
73/10/15	12 30	0119		0.060	
	13 00	0010		0.050	
73/10/23	12 30	0115		0.100	
	13 00	0010		0.060	
73/10/30	08 30	0115		0.270	
	09 00	0010		0.200	
73/11/12	12 30	0112		0.180	
	13 00	0010		0.120	
73/11/27	12 30	0001		0.050	
73/11/30	10 30	0110		0.100	0.050
	11 00	0010		0.090	0.040
73/12/04	12 30	0110		0.060	
	13 00	0010		0.040	
73/12/12	10 30	0001		0.070	
73/12/20	13 00	0001		0.050	
73/12/27	15 15	0001		0.090	
74/01/04	12 30	0001		0.060	
74/01/10	10 30	0001		0.060	
74/01/17	13 00	0001		0.020	
74/01/24	15 00	0001		0.040	
74/01/31	14 00	0001		0.050	
74/02/05	15 00	0001		0.070	
74/02/13	11 00	0001		0.070	
74/02/21	14 00	0001		0.080	
74/02/26	13 00	0001		0.080	
74/03/07	14 30	0001		0.110	
74/03/14	13 30	0001		0.150	
74/03/21	11 30	0001		0.180	
74/03/29	10 00	0001		0.130	
74/04/04	15 00	0001		0.070	
74/04/11	11 00	0001		0.040	
74/04/18	11 30	0001		0.060	

TABLE 52 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
74/04/24	11 00	0052		0.060	0.040
	11 30	0010		0.060	0.040
74/05/03	10 00	0010		0.050	
	10 30	0057		0.040	
74/05/09	10 00	0060		0.070	
	10 30	0010		0.070	
74/05/17	09 30	0072		0.060	
	10 00	0010		0.060	
74/05/22	10 30	0076		0.110	0.070
	11 00	0010		0.170	0.070
74/05/30	10 00	0090		0.030	
	10 30	0010		0.030	
74/06/11	11 15	0113	0.020		0.020
	12 45	0010	0.070		0.020
	13 15	0005	0.080		0.030
	13 30	0001	0.060		0.020
74/07/10	10 15	0195	0.120		0.000
	10 45	0010	0.070		0.000
	11 00	0004	0.060		0.000
	11 15	0000	0.050		0.000
74/07/24	11 30	0201	0.060		0.010
	11 45	0010	0.020		0.010
	13 15	0017	0.020		0.020
	13 30	0003	0.040		0.030
74/08/07	10 30	0203	0.060		0.010
	10 45	0026	0.010		0.010
	11 00	0010	0.020		0.010
	11 15	0001	0.010		0.000
74/08/21	11 30	0208	0.040		0.010
	12 00	0010	0.010		0.000
	12 15	0035	0.000		0.010
	12 30	0003	0.010		0.000
74/09/05	11 00	0202	0.070		0.000
	11 15	0010	0.030		0.000
	11 30	0035	0.030		0.010
	11 45	0001	0.030		0.010

TABLE 52 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
74/09/18	11 00	0196	0.040		0.010
	11 30	0010	0.000		0.000
	11 45	0034	0.000		0.000
	12 00	0001	0.000		0.000
74/10/01	11 30	0194	0.060		0.030
	11 45	0010	0.060		0.000
	12 00	0025	0.010		0.030
	12 15	0001	0.020		0.020
74/10/16	12 45	0185	0.040		0.010
	13 30	0010	0.020		0.000
	13 45	0019	0.010		0.000
	14 00	0003	0.020		0.000
74/10/30	12 15	0167	0.010		0.010
	12 30	0010	0.000		0.010
	12 45	0025	0.000		0.010
74/12/03	15 00	0001	0.010		0.000
74/12/16	11 00	0001	0.040		0.040
75/01/02	13 00	0001	0.050		0.010
75/01/15	10 30	0001	0.010		0.000
75/01/28	12 00	0001	0.040		0.010
75/04/02	09 30	0001	0.150		0.080
75/05/07	12 30	0033	0.120		0.020
	13 00	0010	0.120		0.010
	13 30	0002	0.100		0.010
	14 00	0000	0.070		0.010
75/05/22	11 00	0055	0.180		0.030
	11 30	0010	0.050		0.030
	11 45	0003	0.090		0.020
	12 00	0001	0.100		0.030
75/06/05	10 30	0095	0.100		0.040
	11 00	0010	0.090		0.040
	11 30	0004	0.100		0.050
	12 00	0001	0.100		0.040
75/06/26	10 45	0137	0.050		0.030
	11 00	0010	0.020		0.010
	11 15	0005	0.020		0.020

TABLE 52 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
75/06/26	11 30	0001	0.030		0.030
75/07/15	13 00	0168	0.130		0.030
	13 15	0010	0.040		0.010
	13 30	0020	0.060		0.020
	13 45	0001	0.040		0.010
75/07/30	12 30	0180	0.120		0.030
	13 00	0010	0.030		0.000
	13 30	0020	0.020		0.000
	13 45	0002	0.010		0.000
75/08/14	13 00	0186	0.030		0.050
	13 30	0010	0.030		0.020
	14 00	0040	0.000		0.040
	14 30	0001	0.030		0.020
75/08/28	10 45	0200	0.050		0.040
	11 00	0010	0.020		0.010
	11 15	0030	0.010		0.010
	11 30	0001	0.020		0.010
75/09/11	13 00	0195	0.060		0.040
	13 15	0010	0.050		0.020
	13 30	0035	0.050		0.030
	13 45	0001	0.040		0.020
75/09/25	10 45	0202	0.070		0.030
	11 00	0010	0.020		0.020
	11 15	0020	0.030		0.020
	11 30	0001	0.020		0.020
75/10/07	11 00	0190	0.070		0.040
	11 30	0010	0.030		0.020
	11 45	0030	0.050		0.010
	12 00	0001	0.040		0.010
75/10/30	10 15	0184	0.060		0.030
	10 30	0010	0.050		0.020
	10 45	0025	0.070		0.020
	11 00	0001	0.050		0.020
75/12/08	11 00	0001	0.050		0.040
75/12/23	10 00	0001	0.050		0.030
76/01/06	11 00	0001	0.060		0.020

TABLE 52 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
76/01/20	10 30	0001	0.040		0.030
76/02/03	10 30	0001	0.040		0.010
76/03/19	11 00	0001	0.060		0.000
76/03/31	10 30	0001	0.050		0.000
76/05/05	11 30	0056	0.030		0.010
	12 30	0010	0.030		0.000
	13 00	0005	0.030		0.000
	13 30	0001	0.030		0.000
76/05/26	11 15	0119	0.050		0.010
	11 45	0010	0.040		0.010
	13 00	0005	0.040		0.010
	13 15	0001	0.040		0.010
76/06/24	10 30	0185	0.060		0.010
	11 00	0010	0.040		0.010
	11 30	0018	0.030		0.010
	12 00	0001	0.030		0.000
76/07/07	11 30	0198	0.010		0.030
	12 00	0010	0.020		0.000
	12 30	0015	0.000		0.030
	13 00	0001	0.000		0.020

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
72/06/14	13 00	0055		0.010	
	13 30	0010		0.020	
72/06/21	11 15	0063		0.120	
	11 30	0010		0.080	
72/06/28	11 30	0066		0.090	
	12 00	0010		0.090	
72/07/06	11 15	0070		0.040	
	11 30	0010		0.010	
72/07/13	12 30	0082		0.020	
	12 45	0010		0.020	
72/07/19	11 15	0085		0.030	
	11 30	0010		0.020	
72/07/27	10 00	0085		0.020	
	10 15	0010		0.030	
72/08/02	11 00	0080		0.020	
	11 15	0010		0.020	
72/08/09	10 45	0082		0.030	
	11 00	0010		0.000	
72/08/16	12 30	0083		0.040	
	12 45	0010		0.020	
72/08/23	11 00	0085		0.040	
	11 15	0010		0.020	
72/08/31	10 15	0082		0.050	
	10 30	0010		0.020	
72/09/06	11 15	0080		0.040	
	11 30	0010		0.020	
72/09/12	11 15	0081		0.030	
	11 30	0010		0.030	
72/09/21	12 45	0064		0.040	
	13 00	0010		0.030	
72/09/28	10 30	0069		0.020	
	10 45	0010		0.020	
72/10/03	11 00	0059		0.040	
	11 15	0010		0.000	
72/10/19	11 00	0023		0.070	
	11 30	0010		0.060	

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
72/10/25	12 00	0010		0.090	
72/11/01	11 30	0010		0.040	
72/11/07	10 00	0010		0.060	
72/11/15	16 30	0001		0.120	
73/05/10	10 15	0001		0.070	
73/05/17	10 00	0001		0.080	
73/05/22	12 30	0001		0.040	
73/05/30	07 00	0001		0.030	
73/06/05	09 30	0021		0.010	
	10 00	0010		0.010	
73/06/12	10 00	0040		0.030	
	10 30	0010		0.030	
73/06/21	10 30	0053		0.040	
	11 00	0010		0.030	
73/06/28	10 30	0064		0.040	
	11 00	0010		0.060	
73/07/03	10 00	0077		0.040	
	10 30	0010		0.030	
73/07/10	11 00	0083		0.050	
	11 30	0010		0.030	
73/07/18	11 00	0085		0.040	0.030
	11 30	0010		0.040	0.010
73/07/24	10 00	0086		0.070	
	10 30	0010		0.030	
73/07/31	10 30	0091		0.050	
	11 00	0010		0.040	
73/08/07	10 00	0092		0.060	
	10 30	0010		0.040	
73/08/15	11 00	0095		0.070	0.050
	11 30	0010		0.040	0.010
73/08/21	11 30	0094		0.030	
	12 00	0010		0.000	
73/08/29	10 00	0090		0.120	
	10 30	0010		0.020	
73/09/05	10 00	0082		0.150	
	10 30	0010		0.040	

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
73/09/12	10 00	0077		0.060	0.060
	10 30	0010		0.000	0.040
73/09/18	11 00	0071		0.060	
	11 30	0010		0.070	
73/09/25	10 30	0066		0.050	
	11 00	0010		0.040	
73/10/03	12 30	0060		0.080	0.020
	12 45	0010		0.090	0.020
73/10/09	14 00	0056		0.050	
	14 30	0010		0.060	
73/10/15	14 00	0056		0.070	
	14 30	0010		0.070	
73/10/23	14 30	0052		0.120	
	15 00	0010		0.080	
73/10/30	10 30	0051		0.250	
	11 00	0010		0.200	
73/11/12	15 00	0010		0.260	
	15 30	0045		0.280	
73/12/04	14 00	0047		0.050	
	14 30	0010		0.060	
74/05/24	10 00	0001		0.060	0.020
74/06/12	10 00	0049	0.080		0.020
	10 30	0010	0.070		0.020
	10 45	0004	0.060		0.020
	11 00	0001	0.050		0.020
74/06/25	12 15	0096	0.160		0.010
	12 45	0010	0.110		0.000
	13 30	0005	0.070		0.010
	14 00	0001	0.030		0.000
74/07/09	10 45	0108	0.040		0.010
	11 00	0010	0.020		0.010
	11 30	0003	0.040		0.010
	11 45	0000	0.030		0.010
74/07/23	12 30	0102	0.030		0.010
	13 00	0010	0.030		0.000
	13 30	0005	0.030		0.020

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
74/07/23	14 00	0001	0.030		0.010
74/08/06	10 00	0106	0.030		0.000
	10 30	0026	0.010		0.000
	10 45	0010	0.010		0.000
	11 00	0002	0.010		0.000
74/08/20	12 00	0119	0.060		0.000
	12 30	0010	0.040		0.000
	13 00	0031	0.060		0.010
	13 30	0002	0.170		0.010
74/09/04	11 30	0112	0.070		0.010
	11 45	0010	0.060		0.000
	12 00	0035	0.050		0.000
	12 15	0001	0.020		0.000
74/09/17	11 00	0122	0.050		0.000
	11 15	0010	0.010		0.000
	11 45	0035	0.010		0.000
	12 00	0001	0.010		0.000
74/10/02	10 45	0119	0.030		0.000
	11 15	0010	0.010		0.000
	11 30	0020	0.010		0.000
	11 45	0001	0.010		0.000
74/10/17	11 30	0104	0.020		0.000
	12 00	0010	0.010		0.010
	13 00	0025	0.010		0.010
	13 15	0003	0.010		0.000
74/10/31	10 45	0094	0.000		0.010
	11 00	0010	0.000		0.010
	11 15	0025	0.000		0.000
	11 30	0001	0.000		0.000
75/06/06	10 30	0026	0.160		0.030
	11 00	0010	0.150		0.040
	11 30	0002	0.140		0.020
	12 00	0001	0.140		0.050
75/06/27	11 15	0070	0.050		0.020
	11 30	0010	0.030		0.020
	11 45	0005	0.030		0.030

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHG MG/L P
75/06/27	12 00	0001	0.030		0.030
75/07/17	11 00	0060	0.110		0.010
	11 15	0010	0.060		0.010
	11 30	0015	0.040		0.020
	11 45	0002	0.050		0.010
75/07/31	10 00	0095	0.040		0.040
	10 30	0010	0.010		0.010
	11 00	0025	0.010		0.010
	11 30	0002	0.010		0.010
75/08/15	10 00	0099	0.020		0.040
	10 30	0010	0.030		0.040
	11 00	0035	0.060		0.050
	11 30	0001	0.000		0.020
75/08/27	11 00	0103	0.030		0.030
	11 15	0010	0.000		0.020
	11 30	0030	0.000		0.020
	11 45	0001	0.000		0.020
75/09/12	11 00	0094	0.090		0.060
	11 15	0010	0.060		0.020
	11 30	0035	0.050		0.030
	12 00	0001	0.050		0.020
75/09/26	11 00	0097	0.070		0.050
	11 15	0010	0.040		0.020
	11 30	0020	0.040		0.020
	11 45	0001	0.040		0.020
75/10/08	11 00	0085	0.050		0.030
	11 30	0010	0.050		0.020
	11 45	0030	0.050		0.020
	12 00	0001	0.050		0.020
75/10/29	09 45	0091	0.040		0.040
	10 00	0010	0.040		0.040
	10 15	0025	0.120		0.040
	10 30	0001	0.100		0.050
76/06/25	10 30	0075	0.030		0.010
	11 00	0010	0.030		0.010
	11 30	0020	0.030		0.010

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHG MG/L P
76/06/25	12 00	0001	0.030		0.010
76/07/08	10 30	0085	0.000		0.000
	11 00	0010	0.000		0.020
	11 30	0015	0.000		0.010
	12 00	0001	0.000		0.000
76/07/28	13 00	0095	0.010		0.050
	13 30	0010	0.010		0.030
	14 00	0030	0.010		0.020
	14 30	0001	0.000		0.030
76/08/10	11 00	0100	0.040		0.000
	11 30	0010	0.030		0.000
	12 30	0025	0.000		0.000
	13 00	0001	0.000		0.000
76/09/02	10 30	0010	0.000		0.010
	12 30	0093	0.000		0.010
	13 00	0025	0.010		0.020
	13 30	0001	0.000		0.020
76/09/15	11 00	0099	0.010		0.020
	12 00	0010	0.000		0.020
	13 00	0040	0.010		0.020
	13 30	0001	0.000		0.000
76/09/28	10 00	0010	0.000		0.000
	10 30	0117	0.010		0.010
	11 00	0040	0.000		0.000
	11 30	0001	0.000		0.000
76/10/13	10 30	0010	0.050	0.010	0.000
	11 00	0092	0.020	0.010	0.000
	11 30	0002	0.020	0.010	0.000
76/10/27	11 00	0010	0.010	0.010	0.000
	11 30	0002	0.010	0.010	0.000
	12 30	0085	0.010	0.000	0.000
77/06/28	11 00	0010	0.010	0.000	0.010
	11 30	0093	0.020	0.000	0.010
	12 00	0002	0.010	0.000	0.020
77/07/12	11 00	0010	0.020	0.010	0.010
	11 30	0083	0.020	0.010	0.010

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
77/07/12	12 00	0002	0.010	0.000	0.010
77/07/26	11 30	0010	0.000	0.000	0.010
	12 00	0083	0.010	0.010	0.020
	12 30	0002	0.000	0.010	0.010
77/08/18	11 30	0080	0.010	0.000	0.010
	12 00	0010	0.010	0.000	0.000
	12 30	0002	0.010	0.000	0.010
77/08/30	12 30	0092	0.020	0.000	0.010
	13 00	0002	0.020	0.000	0.010
	13 30	0085	0.020	0.010	0.010
	14 00	0010	0.020	0.000	0.010
77/09/13	11 00	0010	0.000	0.000	0.010
	11 30	0084	0.010	0.000	0.010
	12 00	0002	0.000	0.000	0.000
77/09/29	10 30	0010	0.000	0.000	0.000
	11 00	0083	0.000	0.000	0.010
	11 30	0002	0.000	0.000	0.000
78/06/29	10 30	0010	0.004	0.002	0.001
	11 00	0115	0.013	0.005	0.005
	11 30	0002	0.023	0.001	0.001
78/07/13	10 30	0010	0.003	0.001	0.000
	11 00	0125	0.013	0.008	0.006
	11 30	0002	0.004	0.000	0.000
78/07/27	10 30	0010	0.002	0.000	0.000
	11 30	0130	0.012	0.009	0.009
	12 00	0002	0.003	0.000	0.000
78/08/10	10 00	0010	0.001	0.001	0.000
	10 30	0128	0.009	0.008	0.008
	11 00	0002	0.001	0.000	0.000
78/08/31	10 30	0010	0.006	0.001	0.000
	11 00	0127	0.010	0.010	0.004
	11 30	0002	0.000	0.000	0.000
78/09/14	10 30	0010	0.006	0.000	0.000
	11 00	0127	0.014	0.013	0.010
	11 30	0002	0.003	0.003	0.000
78/09/28	10 30	0010	0.002	0.008	0.000

TABLE 53 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00665	00666	00671
			PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
78/09/28	11 00	0127	0.015	0.015	0.010
	11 30	0002	0.002	0.001	0.000
78/10/11	11 00	0010	0.002	0.000	0.000
	11 30	0124	0.006	0.002	0.002
	12 00	0002	0.000	0.000	0.000
78/10/24	11 00	0010	0.004	0.000	0.000
	11 30	0121	0.005	0.002	0.000
	12 00	0002	0.002	0.000	0.000

TABLE 54. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P
720726	3	.15	.15	.09	.060	.005k	.02k	.02k	.010	.007
720726	25	.15	.15	.09	.060	.005k	.02k	.02k	.014	.009
720726	85	.14	.07	.07	.010k	.005k	.07	.07	.010	.007
720829	3	.02k	.01k	.01k	.010k	.005k	.02k	.02k	.009	.003k
720829	40	.10	.07	.05	.020	.005k	.03	.03	.027	.024
720829	80	.07	.02	.01k	.020	.008	.04	.05	.046	.038
730625	3	.20	.13	.13	.010k	.005k	.07	.07	.050	.040
730625	36	.16	.08	.08	.010k	.005k	.08	.08	.057	.038
730625	70	.11	.03	.03	.010k	.005k	.08	.08	.063	.037
730723	3	.07	.07	.07	.010k	.005k	.02k	.02k	.027	.020
730723	65	.16	.13	.05	.080	.005k	.03	.03	.061	.052
730723	95	.21	.12	.07	.050	.006	.08	.09	.054	.045
730816	3	.10	.10	.08	.020	.005k	.02k	.02k	.028	.020
730816	75	.13	.08	.07	.010	.005k	.05	.05	.048	.040
730816	108	.25	.11	.11	.010k	.005k	.14	.14	.069	.059
730827	3	.10	.10	.10	.010k	.005k	.02k	.02k	.032	.025
730827	50	.08	.08	.08	.010k	.005k	.02k	.02k	.045	.038
730827	92	.21	.12	.08	.040	.005k	.09	.09	.091	.084
731003	10	.07	.07	.07	.010k	.005k	.02k	.02k	.050	.039
731003	35	.04	.04	.04	.010k	.005k	.02k	.02k	.046	.039
731003	65	.12	.06	.06	.010k	.005	.05	.06	.058	.037
740522	3	.15	.05	.04	.010	.005k	.10	.10	.051	.029
740522	23	.11	.02	.02	.005k	.005k	.09	.09	.103	.031
740626	3	.23	.23	.22	.012	.005k	.02k	.02k	.030	.007
740626	40	.22	.16	.15	.008	.005k	.06	.06	.111	.016
740626	80	.26	.19	.18	.006	.005k	.07	.07	.122	.017
740723	3	.07	.07	.06	.011	.005k	.02k	.02k	.014	.004
740723	58	---	---	---	.019	.005k	.04	.04	.019	.010
740723	112	.10	.05	.03	.021	.005k	.05	.05	.020	.010
740819	1	.07	.07	.07	.005k	.005k	.02k	.02k	.004	.003k
740819	49	.07	.05	.05	.005k	.005k	.02	.02	.008	.003
740819	99	.16	.09	.09	.005k	.005k	.07	.07	.017	.011
740924	3	.16	.16	.15	.007	.005k	.02k	.02k	.006	.003k
740924	66	.14	.09	.08	.005	.005k	.05	.05	.009	.005
740924	128	.24	.07	.07	.005k	.005k	.17	.17	.035	.027
741022	0	.12	.10	.09	.008	.005k	.02	.02	.006	.003k
741022	49	.08	.08	.07	.008	.005k	.02k	.02	.007	.003k
741022	95	.10	.10	.09	.012	.005k	.02k	.02k	.010	.003k
750528	3.28	---	.27	.26	.011	---	.12	---	.116	.083
750528	16.4	---	.17	.16	.012	---	.13	---	.123	.087
750624	3.28	.20	.13	.05	.012	.005k	.07	.07	.069	.043
750624	32.8	.16	.09	.08	.006	.005k	.07	.07	.246	.064
750624	65.6	.13	.06	.12	.007	.005k	.07	.07	.093	.056
750721	1.2	.06	.06	.05	.011	.005k	.02k	.02k	.027	.017
750721	32.8	.07	.05	.03	.023	.005k	.02	.02	.034	.026
750721	82	.09	.02	.01	.015	.005k	.07	.07	.043	.028
750826	3.28	.02k	.01k	.01k	.010	.005k	.02k	.02k	.035	.028
750826	39.4	.04	.04	.03	.012	.005k	.02k	.02k	.036	.028
750826	98.4	.17	.03	.02	.006	.005k	.14	.14	.058	.049
750923	3.28	---	.30	.30	.005k	---	.02k	---	.040	.036
750923	59.1	---	.09	.07	.021	---	.04	---	.057	.053
750923	115	---	.15	.13	.015	---	.16	---	.061	.055
751028	3.28	.07	.05	.04	.009	.005	.02	.02	.044	.038
751028	49.2	.09	.06	.05	.009	.006	.02	.03	.044	.039
751028	91.9	.18	.15	.14	.012	.006	.02	.03	.044	.038
751125	3.28	.18	.12	.11	.005	.005k	.06	.06	.048	.041
751125	48.0	.13	.07	.06	.009	.005k	.06	.06	.048	.041
751125	88.6	.19	.13	.12	.014	.005k	.06	.06	.053	.046
760601	3.28	.22	.10	.09	.011	---	---	.12	.022	.006
760601	26.2	.25	.13	.12	.010	---	---	.12	.020	.006
760601	52.5	.27	.15	.14	.011	---	---	.12	.022	.006
760706	3.28	.16	.16	.15	.005	---	---	.02k	.005	.003k
760706	49.2	.17	.11	.10	.009	---	---	.06	.012	.003k
760706	95.1	.21	.13	.12	.010	---	---	.08	.014	.005
760809	3.28	.05	.05	.04	.010	---	---	.02k	.006	.003k
760809	55.8	.06	.03	.02	.014	---	---	.03	.014	.005
760809	102	.29	.21	.19	.015	---	---	.08	.037	.015
760901	3.28	.02k	.01	.01k	.006	---	---	.02k	.005	.003k
760901	55.8	.08	.06	.04	.016	---	---	.02	.006	.003k
760901	112	.29	.23	.21	.022	---	---	.06	.012	.005
761004	3.28	.08	.08	.08	.005k	---	---	.02k	.004	.003k
761004	52.5	.08	.08	.07	.006	---	---	.02k	.010	.003k
761004	105	.13	.09	.08	.005	---	---	.04	.010	.003k
761102	3.28	.13	.10	.09	.005	---	---	.03	.006	.003k
761102	54.1	.11	.08	.07	.006	---	---	.03	.007	.003k
761102	108	.12	.09	.08	.009	---	---	.03	.009	.003k
770602	3.28	.18	.08	.07	.012	---	---	.10	.009	.003k
770602	32.8	.16	.06	.05	.011	---	---	.10	.010	.003k
770602	65.6	.14	.03	.03	.005	---	---	.11	.017	.005
770705	3.28	.13	.13	.12	.008	---	---	.02k	.006	.003k
770705	52.5	.21	.16	.14	.017	---	---	.05	.007	.003k
770705	102	.24	.07	.07	.005	---	---	.17	.013	.008
770726	3.28	.18	.18	.18	.005k	---	---	.02k	.007	.003k
770726	45.9	.18	.15	.13	.016	---	---	.03	.006	.003k
770726	91.9	.31	.12	.12	.005k	---	---	.19	.014	.008

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.



TABLE 54. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION NO. 0200100

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P
770830	3.28	.09	.09	.08	.009	--	--	.02k	.007	.003k
770830	45.9	.10	.10	.09	.007	--	--	.02k	.008	.003k
770830	91.9	.19	.13	.11	.016	--	--	.06	.016	.004
770927	3.28	.07	.07	.05	.018	--	--	.02k	.011	.003k
770927	45.9	.05	.05	.04	.012	--	--	.02k	.005	.003k
770927	88.6	.02	.02	.01k	.018	--	--	.02k	.009	.003k
771101	3.28	.11	.11	.10	.009	--	--	.02k	.006	.003k
771101	45.9	.05	.05	.04	.009	--	--	.02k	.006	.003k
771101	82	.10	.07	.05	.016	--	--	.03	.013	.003k
780606	3.28	.19	.16	.15	.014	--	--	.03	.016	.003k
780606	91.9	.24	.08	.08	.005	--	--	.16	.020	.006
780705	3.28	.20	.15	.11	.036	--	--	.05	.010	.003k
780705	68.9	.55	.47	.46	.013	--	--	.08	.011	.003
780705	138	.28	.10	.10	.005	--	--	.18	.027	.009
780802	3.28	.07	.07	.06	.010	--	--	.02k	.006	.003k
780802	72.2	.09	.01k	.01k	.005k	--	--	.09	.008	.003k
780802	148	.30	.10	.10	.005k	--	--	.20	.019	.011
780913	3.28	.13	.13	.12	.008	--	--	.02k	.007	.003k
780913	68.9	.16	.09	.08	.008	--	--	.07	.007	.003k
780913	135	.29	.09	.09	.005	--	--	.20	.018	.013
781011	3.28	.12	.12	.12	.005k	--	--	.02k	.005	.003k
781011	65.6	.49	.49	.48	.006	--	--	.02k	.005	.003k
781011	131	.18	.13	.12	.007	--	--	.05	.009	.003k
781115	3.28	.07	.07	.06	.009	--	--	.02k	.006	.003k
781115	59.1	.13	.13	.12	.010	--	--	.02k	.007	.003k
781115	118	.06	.04	.03	.012	--	--	.02	.008	.003k

TABLE 55. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION NO. 0200101

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P
720726	3	.22	.14	.08	.060	.005k	.08	.08	.065	.050
720726	15	.16	.05	.01	.040	.005k	.11	.11	.064	.056
720726	23	.86	.09	.07	.020	.005k	.77	.77	.051	.051
730724	3	.10	.06	.06	.010k	.005k	.04	.04	.112	.081
730724	15	.11	.06	.06	.010k	.005k	.05	.05	.115	.086
730724	30	.11	.06	.06	.010k	.005k	.05	.05	.118	.089
730828	3	.18	.18	.15	.030	.005k	.02k	.02k	.245	.199
730828	15	.12	.09	.08	.010	.005k	.03	.03	.238	.202
730828	26	.10	.08	.07	.010	.005k	.02	.02	.245	.201
740627	3	.27	.21	.20	.010	.005k	.06	.06	.090	.017
740627	32	.26	.20	.19	.011	.005k	.06	.06	.130	.018
740627	56	.37	.30	.28	.018	.005k	.07	.07	.266	.019
740724	3	.06	.06	.05	.007	.005k	.02k	.02k	.012	.003k
740724	33	.05	.01k	.01k	.005k	.005k	.04	.04	.015	.005
740724	66	.07	.02	.01	.014	.005k	.05	.05	.019	.008
740820	3	.02	.01k	.01	.006	.005k	.02k	.02k	.008	.003k
740820	30	.13	.13	.12	.006	.005k	.02k	.02k	.015	.003k
740820	59	.16	.07	.07	.005k	.005k	.09	.09	.014	.005
740923	3	.12	.12	.12	.005k	.005k	.02k	.02k	.007	.003k
740923	42	.10	.10	.09	.005	.005k	.02k	.02k	.007	.003k
740923	82	.19	.14	.12	.016	.005k	.05	.05	.012	.006
741021	3	.03	.03	.02	.008	.005k	.02k	.02k	.011	.003k
741021	22.5	.15	.15	.14	.007	.005k	.02k	.02k	.008	.003k
741021	42.6	.12	.08	.07	.014	.005k	.04	.04	.012	.003
750722	3.28	.02	.02	.01	.011	.005k	.02k	.02k	.027	.014
750722	16.4	.10	.10	.09	.012	.005k	.02k	.02k	.030	.019
750722	29.9	.08	.02	.01k	.022	.005k	.06	.06	.083	.066
750722	45.9	.09	.03	.01	.024	.005k	.06	.06	.091	.072
750827	3.28	.02	.02	.02	.005	.005k	.02k	.02k	.047	.034
750827	16.4	.01	.01	.01k	.008	.005k	.02k	.02k	.063	.044
750827	42.5	.06	.03	.01	.022	.005k	.03	.03	.123	.108
750827	68.9	.07	.07	.06	.009	.005k	.02k	.02k	.024	.013
750924	3.28	--	.22	.21	.012	--	.02k	--	.040	.032
750924	39.4	--	.10	.05	.046	--	.02k	--	.050	.042
750924	75.5	--	.12	.07	.052	--	.04	--	.040	.029
760707	39.4	.16	.09	.08	.012	--	--	.07	.019	.003
760707	72.2	.10	.03	.02	.009	--	--	.07	.021	.003
760810	42.7	.17	.14	.12	.019	--	--	.03	.014	.007
760810	78.7	.53	.43	.41	.018	--	--	.10	.205	.013
760907	12.5	.13	.13	.12	.008	--	--	.02k	.006	.003k
760907	72.2	.12	.06	.05	.006	--	--	.06	.010	.003k
761007	36.1	.02	.02	.01	.008	--	--	.02k	.006	.003k
761007	72.2	.08	.03	.02	.009	--	--	.05	.009	.003k
760707	3.28	.23	.23	.22	.010	--	--	.02k	.031	.003k
760810	3.28	.05	.03	.021	.003	--	--	.02k	.016	.003
760907	3.28	.09	.09	.08	.007	--	--	.02k	.005	.003k
761007	3.28	.04	.04	.03	.008	--	--	.02k	.006	.003k
761103	3.28	.14	.14	.12	.015	--	--	.02k	.005	.003k
761103	29.5	.16	.16	.15	.013	--	--	.02k	.007	.003k
761103	52.5	.23	.17	.15	.017	--	--	.06	.059	.045
770706	3.28	.20	.20	.18	.017	--	--	.02k	.011	.003k
770706	16.4	.15	.09	.08	.014	--	--	.06	.013	.003k
770706	32.8	.14	.10	.08	.017	--	--	.04	.007	.003k
770727	3.28	.10	.08	.03	.051	--	--	.02	.011	.003k

k = less than indicated value.  
1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 55. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION NO. 0200101

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P
770727	14.4	.07	.03	.01k	.026	--	--	.04	.008	.003k
770727	28.9	.07	.02	.01k	.016	--	--	.05	.010	.003k
770831	3.28	.12	.03	.02	.008	--	--	.09	.024	.003
770831	29.5	--	.01	.01k	.008	--	--	--	.022	.003
770831	32.8	--	--	--	--	--	--	.09	--	--
770926	3.28	.25	.25	.25	.005	--	--	.02k	.039	.003k
770926	19.7	.02k	.01k	.01k	.005	--	--	.02k	.012	.003k
770926	32.8	.15	.08	.07	.011	--	--	.07	.009	.003k
771031	3.28	.26	.17	.17	.005	--	--	.09	.018	.005
771031	23.0	.17	.08	.07	.006	--	--	.09	.017	.005
780704	3.28	.12	.08	.06	.017	--	--	.04	.012	.003k
780704	32.8	.14	.09	.09	.005	--	--	.05	.015	.003k
780704	68.9	.18	.11	.09	.017	--	--	.07	.015	.004
780801	3.28	.15	.15	.14	.008	--	--	.02k	.005	.003k
780801	42.7	.11	.07	.06	.010	--	--	.04	.006	.003k
780801	82.0	.22	.09	.09	.005k	--	--	.13	.018	.008
780912	3.28	.10	.10	.09	.009	--	--	.02k	.007	.003k
780912	36.1	.11	.11	.10	.009	--	--	.02k	.008	.003k
780912	68.9	.16	.09	.07	.021	--	--	.07	.010	.004
781012	3.28	.24	.24	.24	.005k	--	--	.02k	.006	.003k
781012	32.8	.22	.22	.22	.005	--	--	.02k	.008	.003k
781012	65.6	.16	.11	.10	.008	--	--	.05	.010	.003

TABLE 56. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT RIVER MILE 294  
STATION NO. 0200169

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N MG/L	00625 KJEL - N MG/L	00605 ORG - N MG/L	00610 NH <sub>3</sub> - N MG/L	00613 NO <sub>2</sub> - N MG/L	00618 NO <sub>3</sub> - N MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P
730829	3	.11	.08	.08	.010k	.005k	.03	.03	.238	.203
730829	12	.13	.10	.09	.010	.005k	.03	.03	.224	.191
730829	20	.13	.10	.10	.010k	.005k	.03	.03	.223	.189
740725	3	.07	.07	.06	.015	.005k	.02k	.02k	.015	.003k
740725	32	.07	.05	.04	.005	.005k	.02	.02	.013	.003k
740725	59	.06	.01	.01k	.007	.005k	.05	.05	.017	.006
740821	3	.30	.30	.29	.005	.005k	.02k	.02k	.009	.003k
740821	31	.14	.14	.13	.007	.005k	.02k	.02k	.009	.003k
740821	62	.14	.14	.13	.007	.005k	.05	.04	.013	.005
740925	3	.07	.07	.07	.005k	.005k	.02k	.02k	.006	.003k
740925	33	.07	.07	.06	.005	.005k	.02k	.02k	.007	.003k
740925	61	.09	.04	.03	.007	.005k	.05	.05	.012	.004
741023	3	.04	.04	.04	.005k	.005k	.02k	.02k	.011	.003k
741023	36	.12	.07	.06	.012	.005k	.05	.05	.014	.003
750805	3.28	.14	.14	.12	.016	.005k	.02k	.02k	.076	.050
750805	17.7	.14	.14	.12	.019	.005k	.02k	.02k	.067	.053
750805	39.4	.12	.08	.06	.015	.005k	.04	.04	.126	.109
750828	3.28	.16	.13	.10	.025	.005k	.03	.03	.106	.095
750828	30.8	.69	.66	.63	.031	.005k	.03	.03	.088	.039
750828	42.7	.18	.13	.10	.027	.005k	.05	.05	.143	.126
750925	3.28	--	.36	.27	.087	--	.02k	--	.049	.022
750925	29.9	--	.32	.22	.102	--	.02k	--	.067	.046
750925	52.5	--	.27	.09	.185	--	.06	--	.110	.084
751029	3.28	.28	.24	.17	.073	.005k	.04	.04	.068	.043
751029	26.2	.30	.24	.16	.077	.005k	.06	.06	.064	.046
751029	45.9	.23	.16	.10	.055	.005k	.07	.07	.065	.046
760705	3.28	.11	.11	.10	.007	--	--	.02k	.009	.003k
760705	29.5	.19	.11	.10	.008	--	--	.08	.027	.006
760705	52.5	.33	.25	.24	.008	--	--	.08	.031	.005
760811	3.28	.09	.09	.07	.018	--	--	.02k	.008	.003k
760811	32.8	.10	.07	.05	.024	--	--	.03	.015	.008
760811	62.3	.11	.04	.02	.018	--	--	.07	.033	.016
760908	3.28	.11	.11	.10	.008	--	--	.02k	.009	.003k
760908	31.2	.14	.14	.13	.008	--	--	.02k	.007	.003k
760908	59.1	.14	.09	.08	.009	--	--	.06	.010	.003
761007	3.28	.13	.13	.12	.012	--	--	.02k	.011	.003k
761007	29.5	.04	.04	.03	.009	--	--	.02k	.007	.003k
761007	55.8	.11	.04	.02	.016	--	--	.07	.017	.009
761104	3.28	.12	.12	.10	.024	--	--	.02k	.019	.005
761104	23.0	.08	.06	.04	.016	--	--	.02	.014	.008
761104	39.4	.13	.06	.04	.018	--	--	.07	.037	.026
780704	3.28	.11	.06	.05	.007	--	--	.05	.015	.003
780704	49.2	.18	.12	.11	.007	--	--	.06	.019	.003
780801	3.28	.10	.10	.09	.011	--	--	.02k	.004	.003k
780801	32.8	.12	.08	.07	.007	--	--	.04	.005	.003k
780801	62.3	.15	.10	.07	.026	--	--	.05	.008	.004
780912	3.28	.12	.12	.11	.011	--	--	.02k	.009	.003k
780912	29.5	.10	.10	.09	.011	--	--	.02k	.008	.003k
780912	59.1	.11	.06	.05	.013	--	--	.05	.012	.003k
781012	3.28	.15	.15	.14	.006	--	--	.02k	.007	.003k
781012	29.5	.12	.12	.12	.005k	--	--	.02k	.009	.003k
781012	59.1	.23	.18	.17	.006	--	--	.05	.010	.003

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 57. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT NORTH END  
STATION NO: 02001872

DATE	00003 SAMPLE DEPTH FEET	00600 TOTAL-N -- MG/L	00625 KJEL-N -- MG/L	00605 ORG-N -- MG/L	00610 NH <sub>3</sub> -N -- MG/L	00613 NO <sub>2</sub> -N -- MG/L	00618 NO <sub>3</sub> -N -- MG/L	00631 NO <sub>2</sub> + NO <sub>3</sub> -N -- MG/L	00665 PHOS-TOT -- MG/L-P	00617 PHOS-DIS ORTHO MG/L-P
740827	0	.16	.11	.11	.005k	.005k	.05	.05	.009	.003k
740827	26	.09	.04	.04	.005k	.005k	.05	.05	.010	.003
740926	3	.09	.07	.07	.005k	.005k	.02	.02	.009	.003k
740926	26	.11	.07	.07	.005k	.005k	.04	.04	.010	.003
760812	3.28	.13	.07	.07	.005k	--	--	.06	.022	.003
760812	21.3	.13	.07	.07	.005k	--	--	.06	.026	.003
760812	39.4	.25	.19	.19	.005k	--	--	.06	.020	.003
760909	3.28	.07	.01k	.01k	.005k	--	--	.07	.022	.003k
760909	26.2	.10	.03	.02	.008	--	--	.07	.024	.003k
780803	3.28	.06	.01k	.01k	.005k	--	--	.06	.009	.003
780803	23	.07	.01	.01	.005k	--	--	.06	.010	.003k
780914	3.28	.11	.05	.05	.005k	--	--	.06	.008	.003k
780914	23	.12	.06	.06	.005k	--	--	.06	.009	.003k

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARTUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/06/27	10 15	0260			1				20	1		0
	11 00	0010			1				20	0		0
72/07/24	12 45	0290			2		0			1		0
	13 30	0010			0		0			1		0
72/08/28	10 45	0274			0		0			1		0
	11 00	0010			15		0			0		0
72/09/25	12 30	0259			13		0			1		0
	12 45	0010			11		0			1		0
72/10/17	10 30	0223			1		0			1		0
	11 00	0010			0		0			1		0
72/11/14	10 30	0155			0		0			0		0
	10 45	0010			0		200			0		0
73/04/24	09 30	0095			0		0			0		0
	09 45	0010			0		0			0		0
73/05/21	12 30	0150			0		0			1		0
	13 00	0010			2		100			0		0
73/06/18	10 00	0221			0		0			0		0
	10 30	0010			0		0			0		0
73/07/16	12 30	0256			1		200			0		0
	13 00	0010			3		0			0		0
73/08/13	11 00	0266			8		0			0		0
	11 30	0010			2		0			0		0
73/09/13	10 30	0250			0		0			1		0
	11 00	0010			2		0			0		0
73/10/01	10 30	0235			2		0			0		0
	11 00	0010			4		100			0		0
73/11/28	10 00	0214			0		0			0		0
	10 30	0010			2		0			0		0
74/04/23	11 00	0163			3		500			0		0
	11 30	0010			2		200			0		0
74/05/21	10 30	0183			4		0			0		0
	11 00	0010			1		0			0		0
74/06/14	10 15	0229	10	0	1	1				0		0
	10 45	0010	20	0	1	1				0		0
74/06/28	11 00	0282	10	200	1	1				0		0
	11 30	0010	40	400	1	2				0		0

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARTUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
74/07/12	10 45	0300	30	400	3	2						
	11 00	0010	30	500	2	2						
74/07/26	10 30	0300	0	300	3	2						
	10 45	0010	0	400	1	0						
74/08/09	10 15	0300	0	400	1	1						
	11 00	0010	0	100	1	0						
74/08/23	10 00	0010	0	200	0	1						
	11 00	0300	10	500	1	2						
74/09/06	11 30	0300	30	800	0	1						
	11 45	0010	10	100	0	0						
74/09/20	11 15	0290	10	300	1	0						
	11 45	0010	20	300	0	2						
74/10/04	11 00	0300	10	200	1	1						
	11 15	0010	10	100	0	1						
74/10/18	13 00	0283	0	200	2	2						
	13 15	0010	0	100	1	1						
74/11/01	10 45	0272	10	200	0	2						
	11 00	0010	10	200	0	2						
74/11/20	11 30	0257	10	300	5	4						
	11 45	0010	10	200	3	3						
75/04/18	11 30	0141	20	100 K	2	1						
	12 30	0010	10	100 K	2	2						
75/05/06	11 45	0142	10 K	100 K	3	3						
	12 30	0010	10 K	300	3	3						
75/05/20	12 15	0166	10 K	100 K	1	1						
	12 30	0010	20		1	1						
75/06/04	11 30	0195	10	120	2	1						
	12 00	0010	20	180	1	0						
75/06/25	12 30	0245	10	190	3	3						
	12 45	0010	10	110	1	1						
75/07/18	12 15	0283	0	60	0	2						
	12 30	0010	30	60	0	1						
75/07/29	12 30	0288	10	70	1	1						
	13 00	0010	20	80	0	1						
75/08/12	11 00	0292	10	80	1	1						
	11 30	0010	10	80	0	0						

TABLE 58 LAKE KOUCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINIUM AL, DISS UG/L	01105 ALUMINIUM AL, TOT UG/L	01000 ARSENIC AS, DISS UG/L	01002 ARSENIC AS, TOT UG/L	01005 BARIUM BA, DISS UG/L	01010 BERYLLIUM BE, DISS UG/L	01020 BORON B, DISS UG/L	01025 CADMIUM CD, DISS UG/L	01027 CADMIUM CD, TOT UG/L	01030 CHROMIUM CR, DISS UG/L
75/08/29	11 00	0300	0	50	4	3						
	11 15	0010	0	60	1	1						
75/09/10	11 15	0300	0	50	1	1						
	11 30	0010	0	50	0	0						
75/09/24	12 15	0300	10	80	1	1						
	12 45	0010	20	60	1	1						
75/10/09	10 30	0285	0	120	1	0						
	11 00	0010	10	60	2	1						
75/10/31	11 00	0300	0	120	1	2						
	11 15	0010	0	60	1	1						
76/04/20	12 30	0170	0	130	1	2						
	13 00	0010	10	90	2	2						
76/05/06	11 30	0184	10	130	0	1						
	12 30	0010	0	140	0	1						
76/05/25	12 15	0248	10	70	0	1						
	12 45	0010	20	80	0	0						
76/06/04	11 00	0268	20	10	0	0						
	12 30	0010	30	30	0	0						
76/06/22	10 30	0010	20	80	0	0						
	12 30	0281	10	60	0	0						
76/07/09	11 00	0295	0	60	0	0						
	11 30	0010	0	60	0	0						
76/07/30	11 00	0305	0	90	1	1						
	12 00	0010	20	40	1	1						
76/08/11	12 00	0305	20	70	1	1						
	12 30	0010	20	40	0	1						
76/08/31	11 00	0010	20	40	1	0						
	12 30	0300	0	70	1	1						
76/09/16	11 00	0304	20	30	1	0						
	13 00	0010	20	100	1	0						
76/09/29	10 30	0010	10	70	1	1						
	11 00	0307	0	70	1	1						
76/10/14	11 00	0010	0	30	1							
	11 30	0300	0	60	1							
	12 00	0002	0	20	1							
77/06/29	11 00	0010	10	50	1	0						

TABLE 58 LAKE KOUCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA: STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINIUM AL, DISS UG/L	01105 ALUMINIUM AL, TOT UG/L	01000 ARSENIC AS, DISS UG/L	01002 ARSENIC AS, TOT UG/L	01005 BARIUM BA, DISS UG/L	01010 BERYLLIUM BE, DISS UG/L	01020 BORON B, DISS UG/L	01025 CADMIUM CD, DISS UG/L	01027 CADMIUM CD, TOT UG/L	01030 CHROMIUM CR, DISS UG/L
77/06/29	11 30	0262	0	30	0	0						
	12 30	0002	0	50	0	0						
77/08/16	09 30	0258	10	30	0	0						
	10 00	0010	10	50	0	0						
	10 30	0002	20	50	0	0						
77/10/12	10 30	0010	20	80	1							
	12 00	0255	10	120	1							
	12 30	0002	20	40	0							
78/06/28	10 30	0010	20	80	1	1						
	11 00	0290	0	100	1	1						
	12 00	0002	20	150	1	1						
78/06/29	13 00	0010	0	70	1	0						
78/10/12	11 00	0010	10	60	0	0						
	11 30	0305	0	50	1	1						
	12 00	0002	0	60	1	0						

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
72/06/27	10 15	0260					1		20		2	
	11 00	0010					0		30		1	
72/07/24	12 45	0290					2		30		0	
	13 30	0010					1		40		1	
72/08/28	10 45	0274					3		20		2	
	11 00	0010					2		20		4	
72/09/25	12 30	0259					3		30		1	
	12 45	0010					1		30		3	
72/10/17	10 30	0223					4		20		3	
	11 00	0010					3		10		2	
72/11/14	10 30	0155					3		60		1	
	10 45	0010					3		40		1	
73/04/24	09 30	0095					1		9		3	
	09 45	0010					1		20		3	
73/05/21	12 30	0150					3		9		2	
	13 00	0010					3		9		0	
73/06/18	10 00	0221					5		20		2	
	10 30	0010					4		9		1	
73/07/16	12 30	0256					0		0		3	
	13 00	0010					1		0		3	
73/08/13	11 00	0266					2		100		0	
	11 30	0010					2		30		0	
73/09/13	10 30	0250					3		10		2	
	11 00	0010					2		10		0	
73/10/01	10 30	0235					0		30		3	
	11 00	0010					0		10		3	
73/11/28	10 00	0214					1		10		1	
	10 30	0010					1		30		1	
74/04/23	11 00	0163					7		120		0	
	11 30	0010					11		50		0	
74/05/21	10 30	0183					7		10		0	
	11 00	0010					3		20		0	
74/06/14	10 15	0229							20	370	0	100 K
	10 45	0010							30	170	0	100 K
74/06/28	11 00	0282							80	140	0	100 K
	11 30	0010							50	100	2	100 K

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
75/08/29	11 00	0300							10	10	2	100 K
	11 15	0010							10	10	1	100 K
75/09/10	11 15	0300							0	0	1	100 K
	11 30	0010							0	0	1	100 K
75/09/24	12 15	0300							10	0	0	100 K
	12 45	0010							10	0	0	100 K
75/10/09	10 30	0285							0	40	1	100 K
	11 00	0010							0	0	1	0
75/10/31	11 00	0300							0	90	0	0
	11 15	0010							0	0	1	0
76/04/20	12 30	0170							10	290	0	100 K
	13 00	0010							20	130	1	100 K
76/05/06	11 30	0184							10	210	1	100 K
	12 30	0010							0	150	0	100 K
76/05/25	12 15	0248							20	270	2	2
	12 45	0010							10	750	3	3
76/06/04	11 00	0268							10	90	1	2
	12 30	0010							30	100	0	2
76/06/22	10 30	0010							10	90	0	0
	12 30	0281							10	100	2	0
76/07/09	11 00	0295							0	90	2	100 K
	11 30	0010							0	30	2	100 K
76/07/30	11 00	0305							10	80	0	100 K
	12 00	0010							20	10	0	100 K
76/08/11	12 00	0305							0	70	1	100 K
	12 30	0010							0	10	1	100 K
76/08/31	11 00	0010							20	0	4	100 K
	12 30	0300							10		0	100 K
76/09/16	11 00	0304							10	30	0	100 K
	13 00	0010							10	10	0	100 K
76/09/29	10 30	0010							0	0	0	100 K
	11 00	0307							10	20	0	100 K
76/10/14	11 00	0010							10	0		100 K
	11 30	0300							10	70		100 K
	12 00	0002							10	10		100 K
77/06/29	11 00	0010							30	40	1	100 K

TABLE 58 LAKE KOOCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX=VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
74/07/12	10 45	0300							20	270	1	100 K
	11 00	0010							20	450	1	100 K
74/07/26	10 30	0300							20	240	1	100 K
	10 45	0010							20	290	1	100 K
74/08/09	10 15	0300							40	620	0	100 K
	11 00	0010							20	40	0	100 K
74/08/23	10 00	0010							20	80	1	100 K
	11 00	0300							50	210	2	100 K
74/09/06	11 30	0300							40	480	0	100 K
	11 45	0010							20	50	2	100 K
74/09/20	11 15	0290							50	220	3	100 K
	11 45	0010							20	50	2	100 K
74/10/04	11 00	0300							20	250	3	100 K
	11 15	0010							20	70	2	100 K
74/10/18	13 00	0283							10	260	0	100
	13 15	0010							10	120	0	100 K
74/11/01	10 45	0272							30	270	0	100 K
	11 00	0010							20	50	0	100 K
74/11/20	11 30	0257							80	250	3	100 K
	11 45	0010							40	130	2	100 K
75/04/18	11 30	0141							10	180	4	100 K
	12 30	0010							10	110	1	100 K
75/05/06	11 45	0142							0	0	0	100 K
	12 30	0010							10	0	0	100 K
75/05/20	12 15	0166							10	110	1	100 K
	12 30	0010							30	290	0	100 K
75/06/04	11 30	0195							30	100	1	100 K
	12 00	0010							40	210	1	100 K
75/06/25	12 30	0245							0	70	0	100 K
	12 45	0010							10	100	1	100 K
75/07/18	12 15	0283							10	10	0	100 K
	12 30	0010							20	0	0	100 K
75/07/29	12 30	0288							0	90	0	100 K
	13 00	0010							10	20	0	100 K
75/08/12	11 00	0292							10	30	2	100 K
	11 30	0010							0	10	2	100 K

TABLE 58 LAKE KOOCANUSA AT FURERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX=VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
77/06/29	11 30	0262							20	50	1	100 K
	12 30	0002							30	50	0	100 K
77/08/16	09 30	0258							20	60	0	100 K
	10 00	0010							10	30	0	100 K
	10 30	0002							40	50	2	100 K
77/10/12	10 30	0010							40	40	0	100 K
	12 00	0255							40	190	0	100 K
	12 30	0002							50	40	0	100 K
78/06/28	10 30	0010							60	130	0	4
	11 00	0290							50	200	1	5
	12 00	0002							70	240	5	12
78/06/29	13 00	0010							0	50	15	23
78/10/12	11 00	0010							20	40	0	3
	11 30	0305							30	40	3	3
	12 00	0002							50	110	0	4

TABLE 58 LAKE KOOCANUSA AT FORERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
72/06/27	10 15	0260		0.0		0.0				3		
	11 00	0010		0.0		0.0				4		
72/07/24	12 45	0290		0.0		0.0				3		
	13 30	0010		0.0		0.0				2		
72/08/28	10 45	0274		0.0		0.3				2		
	11 00	0010		0.0		0.2				2		
72/09/25	12 30	0259		80.0		0.1				0		
	12 45	0010		0.0		2.6				0		
72/10/17	10 30	0223		0.0		0.1				12		
	11 00	0010		24.0		0.1				6		
72/11/14	10 30	0155		50.0		0.0				0		
	10 45	0010		50.0		0.0				4		
73/04/24	09 30	0095		290.0		0.0				1		
	09 45	0010		0.0		0.0				1		
73/05/21	12 30	0150		10.0		0.6				2		
	13 00	0010		0.0		0.1				3		
73/06/18	10 00	0221		0.0		0.1				4		
	10 30	0010		0.0		0.2				8		
73/07/16	12 30	0256		10.0		0.2				1		
	13 00	0010		0.0		0.2				0		
73/08/13	11 00	0266		10.0		0.1				4		
	11 30	0010		0.0		0.0				3		
73/09/13	10 30	0250		0.0		0.0				1		
	11 00	0010		0.0		0.0				2		
73/10/01	10 30	0235		0.0		0.0				1		
	11 00	0010		0.0		0.0				1		
73/11/28	10 00	0214		10.0		0.0				0		
	10 30	0010		0.0		0.0				1		
74/04/23	11 00	0163		640.0		0.0				2		
	11 30	0010		3300.0		0.0				4		
74/05/21	10 30	0183		490.0		0.0				2		
	11 00	0010		60.0		0.0				2		
74/06/14	10 15	0229		0.0	10.0			2	0			
	10 45	0010		0.0	0.0			1	0			
74/06/28	11 00	0282		0.0	200.0			0	0			
	11 30	0010		0.0	10.0			0	0			

TABLE 58 LAKE KOOCANUSA AT FORERAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
74/07/12	10 45	0300		0.0	0.0			0	0			
	11 00	0010		0.0	10.0			0	0			
74/07/26	10 30	0300		0.0	10.0			0	0			
	10 45	0010		0.0	0.0			0	0			
74/08/09	10 15	0300		0.0	0.0			0	0			
	11 00	0010		0.0	0.0			0	0			
74/08/23	10 00	0010		0.0	0.0			1	0			
	11 00	0300		0.0	0.0			0	0			
74/09/06	11 30	0300		0.0	0.0			1	1			
	11 45	0010		0.0	0.0			0	0			
74/09/20	11 15	0290		0.0	10.0			0	0			
	11 45	0010		0.0	0.0			0	0			
74/10/04	11 00	0300		0.0	10.0			0	1			
	11 15	0010		0.0	0.0			0	0			
74/10/18	13 00	0283		20.0	40.0			0	0			
	13 15	0010		30.0	110.0			0	0			
74/11/01	10 45	0272		0.0	20.0			0	0			
	11 00	0010		0.0	0.0			0	0			
74/11/20	11 30	0257		240.0	320.0			0	0			
	11 45	0010		0.0	20.0			0	0			
75/04/18	11 30	0141		160.0	220.0			0	0			
	12 30	0010		30.0	100.0			0	0			
75/05/06	11 45	0142		70.0	130.0			0	0			
	12 30	0010		0.0	40.0			1	2			
75/05/20	12 15	0166		80.0	120.0			1	1			
	12 30	0010		5.0	40.0			1	1			
75/06/04	11 30	0195		60.0	140.0			0	2			
	12 00	0010		0.0	20.0			0	2			
75/06/25	12 30	0245		5.0	30.0			0	1			
	12 45	0010		0.0	10.0			1	0			
75/07/18	12 15	0283		0.0	40.0			0	1			
	12 30	0010		0.0	0.0			1	1			
75/07/29	12 30	0288		0.0				1	0			
	13 00	0010		0.0				1	0			
75/08/12	11 00	0292		0.0	40.0			1	1			
	11 30	0010		0.0	0.0			0	0			



TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
75/08/29	11 00	0300		0.0	20.0			1	0			
	11 15	0010		0.0	0.0			1	0			
75/09/10	11 15	0300		10.0	10.0			0	1			
	11 30	0010		0.0	10.0			0	1			
75/09/24	12 15	0300		0.0	20.0			1	1			
	12 45	0010		0.0	10.0			1	1			
75/10/09	10 30	0285		10.0	10.0			1	1			
	11 00	0010		10.0	10.0			1	1			
75/10/31	11 00	0300		0.0	50.0			2	2			
	11 15	0010		0.0	20.0			2	2			
76/04/20	12 30	0170		80.0	110.0			1	0			
	13 00	0010		50.0	70.0			1	0			
76/05/06	11 30	0184		10.0	90.0			0	0			
	12 30	0010		50.0	70.0			0	1			
76/05/25	12 15	0248		0.0	20.0			0	0			
	12 45	0010		0.0	10.0			0	0			
76/06/04	11 00	0268		0.0	10.0			1	1			
	12 30	0010		0.0	0.0			0	1			
76/06/22	10 30	0010		2.0	4.0			1	1			
	12 30	0281		2.0	10.0			1	1			
76/07/09	11 00	0295		10.0	10.0			0	0			
	11 30	0010		0.0	0.0			0	0			
76/07/30	11 00	0305		0.0	20.0			0	1			
	12 00	0010		0.0	10.0			0	1			
76/08/11	12 00	0305		0.0	20.0			0	0			
	12 30	0010		0.0	0.0			0	0			
76/08/31	11 00	0010		0.0	0.0			1	0			
	12 30	0300		0.0	20.0			0	1			
76/09/16	11 00	0304		0.0	20.0			0	2			
	13 00	0010		0.0	10.0			0	2			
76/09/29	10 30	0010		10.0	10.0			0	0			
	11 00	0307		0.0	30.0			0	1			
76/10/14	11 00	0010		0.0	10.0			0	0			
	11 30	0300		0.0	20.0			1	0			
	12 00	0002		0.0	0.0			0	0			
77/06/29	11 00	0010		4.0	0.0			0	0			

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
77/06/29	11 30	0262		10.0	60.0			0	1			
	12 30	0002		0.0	4.0			0	1			
77/08/16	09 30	0258		0.0	40.0			0	0			
	10 00	0010		0.0	0.0			0	0			
	10 30	0002		0.0	8.0			0	0			
77/10/12	10 30	0010		0.0	0.0			0	4			
	12 00	0255		40.0	120.0			0	4			
	12 30	0002		0.0	10.0			0	3			
78/06/28	10 30	0010		0.0	0.0			3	6			
	11 00	0290		30.0	30.0			2	6			
	12 00	0002		0.0	20.0			2	6			
78/06/29	13 00	0010		1.0	0.0			10	0			
78/10/12	11 00	0010		10.0	10.0			0	2			
	11 30	0305		10.0	30.0			0	2			
	12 00	0002		10.0	10.0			0	4			

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/06/27	10 15	0260		7	
	11 00	0010		0	
72/07/24	12 45	0290		0	
	13 30	0010		0	
72/08/28	10 45	0270		0	
	11 00	0010		0	
72/09/25	12 30	0259		0	
	12 45	0010		10	
72/10/17	10 30	0223		10	
	11 00	0010		10	
72/11/14	10 30	0155		20	
	10 45	0010		20	
73/04/24	09 30	0095		20	
	09 45	0010		10	
73/05/21	12 30	0150		10	
	13 00	0010		10	
73/06/18	10 00	0221		20	
	10 30	0010		10	
73/07/16	12 30	0256		20	
	13 00	0010		10	
73/08/13	11 00	0266		10	
	11 30	0010		10	
73/09/13	10 30	0250		10	
	11 00	0010		0	
73/10/01	10 30	0235		20	
	11 00	0010		10	
73/11/28	10 00	0214		0	
	10 30	0010		0	
74/04/23	11 00	0163		30	
	11 30	0010		20	
74/05/21	10 30	0183		0	
	11 00	0010		0	
74/06/14	10 15	0229		10	20
	10 45	0010		20	20
74/06/28	11 00	0282		10	20
	11 30	0010		10	20

TABLE 58 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
74/07/12	10 45	0300		10	0
	11 00	0010		10	10
74/07/26	10 30	0300		0	70
	10 45	0010		0	0
74/08/09	10 15	0300		20	30
	11 00	0010		20	20
74/08/23	10 00	0010		10	10
	11 00	0300		10	0
74/09/06	11 30	0300		0	200
	11 45	0010		0	40
74/09/20	11 15	0290		10	10
	11 45	0010		10	10
74/10/04	11 00	0300		10	70
	11 15	0010		10	20
74/10/18	13 00	0283		10	20
	13 15	0010		100	130
74/11/01	10 45	0272		20	30
	11 00	0010		10	90
74/11/20	11 30	0257		0	20
	11 45	0010		0	20
75/04/18	11 30	0141		0	20
	12 30	0010		0	0
75/05/06	11 45	0142		0	0
	12 30	0010		0	220
75/05/20	12 15	0166		0	0
	12 30	0010		2	6
75/06/04	11 30	0195		0	8
	12 00	0010		0	10
75/06/25	12 30	0245		10	20
	12 45	0010		0	20
75/07/18	12 15	0283		20	10
	12 30	0010		8	50
75/07/29	12 30	0288		10	10
	13 00	0010		0	10
75/08/12	11 00	0292		10	10
	11 30	0010		10	10

TABLE 58 LAKE KOOCANUSA AT FURRAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
75/08/29	11 00	0300		0	30
	11 15	0010		0	10
75/09/10	11 15	0300		10	0
	11 30	0010		0	7
75/09/24	12 15	0300		10	20
	12 45	0010		10	10
75/10/09	10 30	0285		20	10
	11 00	0010		10	10
75/10/31	11 00	0300		0	0
	11 15	0010		0	0
76/04/20	12 30	0170		10	170
	13 00	0010		10	10
76/05/06	11 30	0184		0	40
	12 30	0010		0	40
76/05/25	12 15	0248		10	20
	12 45	0010		0	50
76/06/04	11 00	0268		0	0
	12 30	0010		10	10
76/06/22	10 30	0010		1	4
	12 30	0281		10	10
76/07/09	11 00	0295		0	0
	11 30	0010		0	0
76/07/30	11 00	0305		0	0
	12 00	0010		0	0
76/08/11	12 00	0305		0	10
	12 30	0010		0	10
76/08/31	11 00	0010		0	0
	12 30	0300		0	10
76/09/16	11 00	0304		0	0
	13 00	0010		0	0
76/09/29	10 30	0010		0	0
	11 00	0307		0	20
76/10/14	11 00	0010		0	0
	11 30	0300		0	0
	12 00	0002		0	0
77/06/29	11 00	0010		0	6

TABLE 58 LAKE KOOCANUSA AT FURRAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
77/06/29	11 30	0262		0	6
	12 30	0002		0	20
77/08/16	09 30	0258		0	20
	10 00	0010		0	10
	10 30	0002		0	20
77/10/12	10 30	0010		10	0
	12 00	0255		10	0
	12 30	0002		8	10
78/06/28	10 30	0010		10	10
	11 00	0290		10	10
	12 00	0002		10	20
78/06/29	13 00	0010		3 K	20
78/10/12	11 00	0010		10	10
	11 30	0305		10	10
	12 00	0002		10	10

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/06/27	13 15	0190			0				20	0		0
	14 00	0010			1				10	0		0
72/07/25	12 45	0220			0		0			0		0
	13 15	0010			0		0			0		0
72/08/29	10 15	0212			0		0			1		0
	10 30	0010			3		0			1		0
72/09/26	10 15	0201			1		0			1		0
	10 30	0010			3		0			1		0
72/10/16	11 30	0165			3		0			1		0
	12 00	0010			1		0			1		0
72/11/13	12 30	0098			0		0			1		0
	12 45	0010			2		0			0		0
73/03/14	13 00	0062			3		0			1		0
	13 30	0010			1		0			0		0
73/04/25	09 30	0050			0		0			0		0
	10 00	0010			0		0			0		0
73/05/23	10 00	0110			2		0			0		0
	10 30	0010			2		0			0		0
73/06/19	10 00	0177			0		0			0		0
	10 30	0010			2		0			0		0
73/07/17	11 00	0210			1		0			0		0
	11 30	0010			0		0			0		0
73/08/14	11 30	0218			2		0			1		0
	12 00	0010			4		0			1		0
73/09/14	10 00	0197			3		0			1		0
	10 30	0010			0		0			1		0
73/10/02	10 30	0186			0		0			0		0
	11 00	0010			1		0			0		0
73/11/29	10 30	0170			3		0			0		0
	11 00	0010			3		0			0		0
74/04/25	10 30	0116			2		200			0		20
	11 00	0010			1		400			0		20
74/05/23	10 00	0140			1		0			0		0
	10 30	0010			1		0			0		0
74/06/13	10 00	0176	30	300	1	1						
	10 30	0010	30	200	1	1						

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
74/06/27	12 30	0234	30	500	1	1						
	13 15	0010	40	400	1	1						
74/07/11	10 45	0250	20	500	2	3						
	11 00	0010	30	400	2	2						
74/07/25	11 30	0260	0	300	3	2						
	12 00	0010	10	400	2	2						
74/08/08	10 45	0260	20	200	6	2						
	11 30	0010	0	100	2	1						
	11 45	0001			1	1						
74/08/22	13 00	0259	10	500	1	3						
	13 30	0010	10	400	0	1						
74/09/03	11 45	0262	10	600	1	2						
	12 00	0010	10	300	1	0						
74/09/19	11 30	0258	10	0	1	1						
	12 00	0010	10	300	1	0						
74/10/03	11 30	0255	10	300	1	2						
	12 00	0010	0	200	1	1						
74/10/15	13 00	0241	0	400	2	4						
	13 15	0010	0	100	1	2						
74/10/29	10 45	0230	10	300	1	1						
	11 15	0010	10	100	0	0						
74/11/19	12 30	0214	0	400	1	0						
	13 00	0010	0	400	1	1						
75/04/16	12 45	0090	30	200	2	2						
	13 15	0010	10 K	100 K	2	2						
75/05/05	12 15	0085	10		1							
	12 45	0010	10	200	1	1						
75/05/21	12 15	0112	10 K	200	1	1						
	12 30	0010	30	1200	1	2						
75/06/03	12 30	0132	10 K	10	2	2						
	13 00	0010	20	20	2	2						
75/06/24	12 30	0165	20	260	1	1						
	12 45	0010	20	120	0	1						
75/07/14	12 45	0210	30	170	1	1						
	13 15	0010	30	70	1	0						
75/07/28	12 30	0250	20	150	1	1						

TABLE 59 LAKE MOONANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
75/07/28	13 00	0010	20	70	1	1						
75/08/11	12 30	0235	10	100	0	1						
	13 00	0010	20	80	0	0						
75/08/26	12 00	0248	10	80	1	1						
	12 15	0010	10	60	0	1						
75/09/09	11 30	0249	0	40	0	1						
	12 00	0010	10	50	0	0						
75/09/23	13 15	0239	10	100	0	0						
	13 30	0010	0	60	0	0						
75/10/06	11 30	0245	20	200	1	1						
	12 00	0010	20	80	1	8						
75/10/28	12 00	0232	20	150	1	1						
	12 15	0010	40	60	0	1						
76/04/12	13 00	0105	10	90	1	1						
	13 30	0010	10	90	1	1						
76/05/04	11 30	0127	0	170	1	1						
	12 30	0010	10	260	0	1						
76/05/24	12 00	0179	10	80	0	0						
	12 30	0010	30	80	0	0						
76/06/03	11 00	0187	20	20	0	0						
	11 30	0010	30	30	0	0						
76/06/21	11 30	0225	10	50	0	0						
	12 30	0010	10	60	0	0						
76/07/06	11 30	0250	20	80	1	1						
	12 00	0010	20	70	1	1						
76/07/29	12 30	0245	10	80	1	1						
	13 00	0010	20	40	1	0						
76/08/09	12 00	0248	0	80	0	0						
	12 30	0010	10	60	0	0						
76/08/30	12 30	0245	20	70	0	0						
	13 00	0010	20	50	1	1						
76/09/14	10 30	0245	10	180	1	1						
	12 30	0010	10	150	0	0						
76/09/27	10 30	0010	10	40	1	0						
	11 00	0245	10	130	7	7						
76/10/12	10 30	0010		40	1							

TABLE 59 LAKE MOONANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
76/10/12	11 00	0230		140	0							
	12 30	0002		30	1							
77/06/27	11 30	0010	10	80	1	0						
	12 30	0219	0	70	0	0						
	13 00	0002	0	110	1	0						
77/10/11	12 00	0010	20	40	0	0						
	13 00	0207	20	40	0	0						
	13 30	0002	40	30	0	0						
78/06/27	11 00	0010	20	9	1	1						
	11 30	0235	0	7	1	1						
	12 00	0002	20	100	1	1						
78/10/10	11 30	0010	20	50	0	0						
	12 00	0251	10	70	0	0						
	12 30	0002	20	60	0	0						

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COF/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
72/06/27	13 15	0190					2		20		2	
	14 00	0010					1		30		2	
72/07/25	12 45	0220					2		30		3	
	13 15	0010					1		40		0	
72/08/29	10 15	0212					2		50		2	
	10 30	0010					2		10		2	
72/09/26	10 15	0201					2		30		1	
	10 30	0010					3		50		3	
72/10/16	11 30	0165					1		30		3	
	12 00	0010					1		50		2	
72/11/13	12 30	0098					5		40		1	
	12 45	0010					5		60		1	
73/03/14	13 00	0062					5		30		0	
	13 30	0010					3		30		0	
73/04/25	09 30	0050					3		30		3	
	10 00	0010					3		40		3	
73/05/23	10 00	0110					6		9		1	
	10 30	0010					5		20		1	
73/06/19	10 00	0177					4		18		3	
	10 30	0010					5		9		4	
73/07/17	11 00	0210					1		20		4	
	11 30	0010					1		0		1	
73/08/14	11 30	0218					2		30		1	
	12 00	0010					1		10		2	
73/09/14	10 00	0197					2		20		3	
	10 30	0010					2		10		2	
73/10/02	10 30	0186					1		10		2	
	11 00	0010					1		10		4	
73/11/29	10 30	0170					2		30		0	
	11 00	0010					2		20		0	
74/04/25	10 30	0116					3		190		0	
	11 00	0010					2		10		0	
74/05/23	10 00	0140					1		20		1	
	10 30	0010					68		20		1	
74/06/13	10 00	0176							20	190	4	100 K
	10 30	0010							20	200	2	100 K

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COF/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
74/06/27	12 30	0234							20	220	4	100 K
	13 15	0010							20	90	2	100 K
74/07/11	10 45	0250							20	340	0	100 K
	11 00	0010							20	300	1	100 K
74/07/25	11 30	0260							20	530	0	100 K
	12 00	0010							20	200	0	100 K
74/08/08	10 45	0260							80	430	0	100 K
	11 30	0010							20	50	0	100 K
74/08/22	13 00	0259							30	390	2	100 K
	13 30	0010							20	40	2	100 K
74/09/03	11 45	0262							40	400	1	100 K
	12 00	0010							20	80	0	100 K
74/09/19	11 30	0258							20	500	4	100 K
	12 00	0010							10	60	3	100 K
74/10/03	11 30	0255							20	530	2	100 K
	12 00	0010							20	160	2	100 K
74/10/15	13 00	0241							20	490		100 K
	13 15	0010							10	50		100 K
74/10/29	10 45	0230							40	370	0	100 K
	11 15	0010							0	50	0	100 K
74/11/19	12 30	0214							10	260	0	100 K
	13 00	0010							10	140	0	100 K
75/04/16	12 45	0090							10	120	2	100 K
	13 15	0010							0	120	2	100 K
75/05/05	12 15	0085							10		0	
	12 45	0010							20	250	1	100
75/05/21	12 15	0112							10	220	1	100 K
	12 30	0010							20	2000	2	100 K
75/06/03	12 30	0132							20	230	2	100 K
	13 00	0010							30	430	2	100 K
75/06/24	12 30	0165							10	350	0	100 K
	12 45	0010							20	100	2	100 K
75/07/14	12 45	0210							10	270	1	100 K
	13 15	0010							0	140	2	100
75/07/28	12 30	0250							10	150	0	100 K
	13 00	0010							10	30	1	100 K

TABLE 59 LAKE KOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CDF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PH,DISS UG/L	01051 LEAD PH,TOT UG/L
75/08/11	12 30	0235							0	10	1	100 K
	13 00	0010							20	20	1	100 K
75/08/26	12 00	0248							20	100	0	100 K
	12 15	0010							20	70	0	100 K
75/09/09	11 30	0240							20	30	0	100 K
	12 00	0010							10	0	1	100
75/09/23	13 15	0239							20	60	0	100 K
	13 30	0010							10	30	0	100 K
75/10/06	11 30	0245							0	310	0	100 K
	12 00	0010							10	0	0	100 K
75/10/28	12 00	0232							10	150	0	100 K
	12 15	0010							0	0	0	100 K
76/04/12	13 00	0105							30	200	0	100 K
	13 30	0010							10	160	0	100 K
76/05/04	11 30	0127							10	230	0	100 K
	12 30	0010							30	390	0	100 K
76/05/24	12 00	0179							10	140	0	2
	12 30	0010							20	90	0	2
76/06/03	11 00	0187							20	110	1	2
	11 30	0010							40	100	1	1
76/06/21	11 30	0225							0	130	1	4
	12 30	0010							10	80	3	3
76/07/06	11 30	0250							10	90	0	100 K
	12 00	0010							10	60	4	100 K
76/07/29	12 30	0245							10	100	0	100 K
	13 00	0010							0	60	0	100 K
76/08/09	12 00	0248							20	90	0	100 K
	12 30	0010							10	10	0	100 K
76/08/30	12 30	0245							20	120	3	100 K
	13 00	0010							20	130	2	100 K
76/09/14	10 30	0245							0	120	1	100 K
	12 30	0010							0	10	2	100 K
76/09/27	10 30	0010							10	10	0	100 K
	11 00	0245							20	200	0	100 K
76/10/12	10 30	0010							20	160		100 K
	11 00	0230							20	280		100 K

TABLE 59 LAKE KOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CDF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PH,DISS UG/L	01051 LEAD PH,TOT UG/L
76/10/12	12 30	0002							10	170		100 K
77/06/27	11 30	0010							30	20	1	100 K
	12 30	0219							30	60	2	100 K
	13 00	0002							30	30	2	100 K
77/10/11	12 00	0010							10	0	0	100 K
	13 00	0207							10	90	0	100 K
	13 30	0002							10	0	0	100 K
78/06/27	11 00	0010							50	150	1	4
	11 30	0235							50	180	0	5
	12 00	0002							110	200	2	5
78/10/10	11 30	0010							20	50	0	6
	12 00	0251							30	90	0	2
	12 30	0002							20	100	0	2

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71A90 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DTSS UG/L
72/06/27	13 15	0190		10.0		0.0				5		
	14 00	0010				0.1				3		
72/07/25	12 45	0220		10.0		0.1				3		
	13 15	0010		0.0		0.0				3		
72/08/29	10 15	0212		50.0		0.5				3		
	10 30	0010		0.0		0.5				2		
72/09/26	10 15	0201		20.0		0.1				0		
	10 30	0010		0.0		0.1				0		
72/10/16	11 30	0165		8.0		0.3				8		
	12 00	0010		0.0		0.2				6		
72/11/13	12 30	0098		110.0		0.0				4		
	12 45	0010		80.0		0.1				5		
73/03/14	13 00	0062		70.0		0.0				1		
	13 30	0010		40.0		0.0				1		
73/04/25	09 30	0050		30.0		0.0				2		
	10 00	0010		20.0		0.0				2		
73/05/23	10 00	0110		20.0		0.6				13		
	10 30	0010		0.0		0.6				11		
73/06/19	10 00	0177		0.0		0.2				5		
	10 30	0010		0.0		0.3				8		
73/07/17	11 00	0210		20.0		0.0				1		
	11 30	0010		0.0		0.0				0		
73/08/14	11 30	0218		30.0		0.1				3		
	12 00	0010		10.0		0.1				0		
73/09/14	10 00	0197		0.0		0.0				1		
	10 30	0010		0.0		3.3				0		
73/10/02	10 30	0186		8.0		0.4				0		
	11 00	0010		8.0		0.0				0		
73/11/29	10 30	0170		0.0		0.1				1		
	11 00	0010		0.0		0.3				4		
74/04/25	10 30	0116		60.0		0.0				1		
	11 00	0010		30.0		0.0				1		
74/05/23	10 00	0140		10.0		0.0				0		
	10 30	0010		120.0		0.0				0		
74/06/13	10 00	0176		10.0	30.0			0	0			
	10 30	0010		0.0	30.0			0	0			

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71A90 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DTSS UG/L
74/06/27	12 30	0234		20.0	2100.0			0	2			
	13 15	0010		0.0	0.0			0	1			
74/07/11	10 45	0250		20.0	20.0			0	0			
	11 00	0010		0.0	0.0			0	0			
74/07/25	11 30	0260		0.0	20.0			0	0			
	12 00	0010		0.0	0.0			0	0			
74/08/08	10 45	0260		0.0	0.0			0	0			
	11 30	0010		0.0	0.0			1	0			
74/08/22	13 00	0259		0.0	10.0			1	0			
	13 30	0010		0.0	0.0			1	0			
74/09/03	11 45	0262		0.0	40.0			0	1			
	12 00	0010		0.0	0.0			1	1			
74/09/19	11 30	0258		0.0	30.0			1	1			
	12 00	0010		0.0	0.0			1	1			
74/10/03	11 30	0255		0.0	10.0			0	1			
	12 00	0010		0.0	0.0			0	1			
74/10/15	13 00	0241		10.0	30.0			0	0			
	13 15	0010		0.0	0.0			0	0			
74/10/29	10 45	0230		20.0	80.0			0	0			
	11 15	0010		0.0	20.0			0	0			
74/11/19	12 30	0214		0.0	10.0			0	0			
	13 00	0010		0.0	0.0			0	0			
75/04/16	12 45	0099		90.0	140.0			1	0			
	13 15	0010		80.0	130.0			1	2			
75/05/05	12 15	0085		20.0				0				
	12 45	0010		5.0	50.0			0	2			
75/05/21	12 15	0112		20.0	70.0			2	1			
	12 30	0010		20.0	90.0			1	1			
75/06/03	12 30	0132		10.0	20.0			1	0			
	13 00	0010		0.0	8.0			1	0			
75/06/24	12 30	0165		0.0				0	0			
	12 45	0010		0.0				0	1			
75/07/14	12 45	0210		0.0	30.0			1	1			
	13 15	0010		0.0	10.0			1	1			
75/07/28	12 30	0250		0.0	10.0			0	1			
	13 00	0010		0.0	0.0			0	1			



TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L
75/08/11	12 30	0235		0.0	20.0			0	0			
	13 00	0010		0.0	0.0			1	0			
75/08/26	12 00	0248		10.0	0.0			0	1			
	12 15	0010		0.0	0.0			0	1			
75/09/09	11 30	0240		0.0	30.0			1	1			
	12 00	0010		0.0	10.0			0	1			
75/09/23	13 15	0239		0.0	10.0			1	1			
	13 30	0010		0.0	5.0			0	2			
75/10/06	11 30	0245		10.0	30.0			1	1			
	12 00	0010		10.0	10.0			1	1			
75/10/28	12 00	0232		0.0	0.0			1	0			
	12 15	0010		0.0	0.0			0	0			
76/04/12	13 00	0105		110.0	120.0			0	2			
	13 30	0010		80.0	110.0			0	1			
76/05/04	11 30	0127		50.0	80.0			0	1			
	12 30	0010		30.0	50.0			0	1			
76/05/24	12 00	0179		0.0	20.0			0	0			
	12 30	0010		0.0	0.0			0	1			
76/06/03	11 00	0187		0.0	10.0			1	1			
	11 30	0010		0.0	0.0			0	0			
76/06/21	11 30	0225		0.0	10.0			0	1			
	12 30	0010		0.0	0.0			0	1			
76/07/06	11 30	0250		0.0	20.0			1	0			
	12 00	0010		0.0	0.0			0	0			
76/07/29	12 30	0245		0.0	10.0			1	2			
	13 00	0010		0.0	10.0			0	0			
76/08/09	12 00	0248		0.0	10.0			0	0			
	12 30	0010		0.0	0.0			0	0			
76/08/30	12 30	0245		0.0	10.0			0	1			
	13 00	0010		0.0	0.0			1	0			
76/09/14	10 30	0245		0.0	30.0			0	0			
	12 30	0010		0.0	0.0			0	0			
76/09/27	10 30	0010		0.0	0.0			0	4			
	11 00	0245		0.0	0.0			0	0			
76/10/12	10 30	0010		0.0	0.0				0			
	11 00	0230		10.0	20.0				0			

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L
76/10/12	12 30	0002		0.0	10.0					0		
77/06/27	11 30	0010		0.0	0.0			0	1			
	12 30	0219		0.0	30.0			0	1			
	13 00	0002		0.0	0.0			0	1			
77/10/11	12 00	0010		10.0	8.0			1	9			
	13 00	0207		0.0	40.0			1	7			
	13 30	0002		0.0	4.0			1	8			
78/06/27	11 00	0010		0.0	0.0			2	4			
	11 30	0235		0.0	50.0			2	3			
	12 00	0002		0.0	0.0			1	6			
78/10/10	11 30	0010		0.0	0.0			0	3			
	12 00	0251		0.0	20.0			0	4			
	12 30	0002		0.0	0.0			0	4			

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/06/27	13 15	0190		10	
	14 00	0010		0	
72/07/25	12 45	0220		0	
	13 15	0010		0	
72/08/29	10 15	0212		0	
	10 30	0010		0	
72/09/26	10 15	0201		10	
	10 30	0010		0	
72/10/16	11 30	0165		20	
	12 00	0010		20	
72/11/13	12 30	0098		10	
	12 45	0010		0	
73/03/14	13 00	0062		20	
	13 30	0010		20	
73/04/25	09 30	0050		10	
	10 00	0010		10	
73/05/23	10 00	0110		10	
	10 30	0010		0	
73/06/19	10 00	0177		10	
	10 30	0010		10	
73/07/17	11 00	0210		10	
	11 30	0010		10	
73/08/14	11 30	0218		10	
	12 00	0010		10	
73/09/14	10 00	0197		0	
	10 30	0010		0	
73/10/02	10 30	0186		20	
	11 00	0010		10	
73/11/29	10 30	0170		0	
	11 00	0010		0	
74/04/25	10 30	0116		80	
	11 00	0010		40	
74/05/23	10 00	0140		10	
	10 30	0010		0	
74/06/13	10 00	0176		20	60
	10 30	0010		10	20

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
74/06/27	12 30	0234		10	40
	13 15	0010		10	30
74/07/11	10 45	0250		0	10
	11 00	0010		0	0
74/07/25	11 30	0260		0	0
	12 00	0010		0	60
74/08/08	10 45	0260		10	10
	11 30	0010		20	0
74/08/22	13 00	0259		20	20
	13 30	0010		10	20
74/09/03	11 45	0262		10	20
	12 00	0010		0	150
74/09/19	11 30	0258		0	10
	12 00	0010		0	10
74/10/03	11 30	0255		20	10
	12 00	0010		20	50
74/10/15	13 00	0241		20	10
	13 15	0010		0	10
74/10/29	10 45	0230		30	20
	11 15	0010		30	20
74/11/19	12 30	0214		10	50
	13 00	0010		10	50
75/04/16	12 45	0090		20	20
	13 15	0010		10	50
75/05/05	12 15	0085		0	0
	12 45	0010		0	0
75/05/21	12 15	0112		0	40
	12 30	0010		0	40
75/06/03	12 30	0132		0	0
	13 00	0010		0	30
75/06/24	12 30	0165		0	20
	12 45	0010		0	20
75/07/14	12 45	0210		0	20
	13 15	0010		0	0
75/07/28	12 30	0250		8	20
	13 00	0010		0	10

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
75/08/11	12 30	0235		20	20
	13 00	0010		10	20
75/08/26	12 00	0248		10	20
	12 15	0010		0	20
75/09/09	11 30	0240		10	10
	12 00	0010		10	7
75/09/23	13 15	0239		0	10
	13 30	0010		0	20
75/10/06	11 30	0245		10	10
	12 00	0010		10	10
75/10/28	12 00	0232		7	3
	12 15	0010		10	0
76/04/12	13 00	0105		10	20
	13 30	0010		10	30
76/05/04	11 30	0127		0	10
	12 30	0010		0	10
76/05/24	12 00	0179		10	20
	12 30	0010		10	0
76/06/03	11 00	0187		0	20
	11 30	0010		0	0
76/06/21	11 30	0225		10	8
	12 30	0010		10	10
76/07/06	11 30	0250		10	0
	12 00	0010		0	0
76/07/29	12 30	0245		0	0
	13 00	0010		0	0
76/08/09	12 00	0248		0	0
	12 30	0010		0	0
76/08/30	12 30	0245		10	0
	13 00	0010		0	0
76/09/14	10 30	0245		10	10
	12 30	0010		10	0
76/09/27	10 30	0010		0	0
	11 00	0245		0	8
76/10/12	10 30	0010		10	0
	11 00	0230		10	10

TABLE 59 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
76/10/12	12 30	0002		0	0
77/06/27	11 30	0010		0	50
	12 30	0219		0	10
	13 00	0002		0	10
77/10/11	12 00	0010		0	0
	13 00	0207		10	0
	13 30	0002		0	0
78/06/27	11 00	0010		10	10
	11 30	0235		10	10
	12 00	0002		10	10
78/10/10	11 30	0010		0	10
	12 00	0251		10	20
	12 30	0002		10	10

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RUBYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/06/28	08 45	0131			2				0	2		0
	09 15	0010			0				0	0		0
72/07/26	13 15	0125			0		100			0		0
	13 30	0010			1		0			0		0
72/08/30	10 15	0160			2					0		0
	10 30	0010			2					0		0
72/09/27	10 45	0137			10					0		0
	11 00	0010			1					0		0
72/10/18	11 00	0092			0					0		0
	11 30	0010			0					1		0
72/11/15	10 30	0026			2					0		0
	10 45	0010			1					0		0
72/12/20	10 00	0001			3					0		0
73/01/17	13 00	0001			3					1		0
73/02/22	10 00	0001			3					0		10
73/03/30	09 30	0001			0		200			0		0
73/04/26	09 00	0001			0		0			0		0
73/05/22	10 00	0045			1		0			0		0
	10 30	0010			0		0			0		0
73/06/20	10 00	0120			3		0			1		0
	10 30	0010			3		0			0		0
73/07/19	11 00	0121			6		100			0		0
	11 30	0010			4		200			0		0
73/08/16	11 00	0160			1		0			0		0
	11 30	0010			4		0			0		0
73/09/10	11 00	0145			24		0			0		0
	11 30	0010			5		0			0		10
73/10/04	10 30	0130			4		0			0		0
	11 00	0010			0		0			0		0
73/11/30	10 30	0110			4		0			0		0
	11 00	0010			5		100			0		0
74/04/24	11 00	0052			6		400			0		0
	11 30	0010			1		200			0		30
74/05/22	10 30	0076			1		0			0		0
	11 00	0010			1		0			0		0
74/06/11	11 15	0113	60	500	1	2				0		0

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RUBYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
74/06/11	12 45	0010	120	500	1	1						
74/07/10	10 15	0195	20	900	3	4						
	10 45	0010	30	500	3	4						
74/07/24	11 30	0201	10	900	2	3						
	11 45	0010	30	200	4	2						
74/08/07	10 30	0203	0	400	4	4						
	11 00	0010	0	100	1	1						
74/08/21	11 30	0208	10	600	1	1						
	12 00	0010	10	200	0	0						
74/09/05	11 00	0202	20	400	1	1						
	11 15	0010	20	200	1	1						
74/09/18	11 00	0196	20	300	2	1						
	11 30	0010	20	200	1	0						
74/10/01	11 30	0194	10	500	2	2						
	11 45	0010	10	200	1	2						
74/10/16	12 45	0185	20	400	2	2						
	13 30	0010	20	300	1	1						
74/10/30	12 15	0167	0	200	0	0						
	12 30	0010	10	200	0	0						
	13 00	0001			0	0						
74/12/03	15 00	0001	0	300	2	2						
74/12/16	11 00	0001	0	200	2	1						
75/01/02	13 00	0001	0	200	0	0						
75/01/15	10 30	0001	0	1000	1	1						
75/01/28	12 00	0001	0	600	2	2						
75/04/02	09 30	0001	10 K	300	3	3						
75/05/07	12 30	0033	30	1200	1	3						
	13 00	0010	20	1200	1	2						
75/05/22	11 00	0055	30	1200	0	1						
	11 30	0010	30	1200	0	1						
75/06/05	10 30	0095	30	930	1	1						
	11 00	0010	40	710	0	1						
75/06/26	10 45	0137	20	820	1	2						
	11 00	0010	10	160	1	0						
75/07/15	13 00	0168	10	220	0	1						
	13 15	0010	10	90	0	1						

TABLE 60 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINIUM AL,DISS UG/L	01105 ALUMINIUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 MARIUM RA,DISS UG/L	01010 BERYLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
75/07/30	12 30	0180	40	220	1	1						
	13 00	0010	0	100	0	1						
75/08/14	13 00	0186	20	100	0	0						
	13 30	0010	20	50	0	0						
75/08/28	10 45	0200	0	100	3	1						
	11 00	0010	0	50	1	2						
75/09/11	13 00	0195	0	100	0	0						
	13 15	0010	0	60	0	0						
75/09/25	10 45	0202	10	90	0	4						
	11 00	0010	10	70	1	1						
75/10/07	11 00	0190	10	260	1	1						
	11 30	0010	20	60	1	1						
75/10/30	10 15	0184	10	130	2	2						
	10 30	0010	10	70	3	3						
75/12/08	11 00	0001	20	120	0	1						
75/12/23	10 00	0001	10	110	1	1						
76/01/06	11 00	0001	0	210	1	1						
76/01/20	10 30	0001	0	120	0	0						
76/02/03	10 30	0001	0	110	1	1						
76/03/19	11 00	0001	0	280	1	1						
76/03/31	10 30	0001	0	240	0	0						
76/05/05	11 30	0056	10	360	0	1						
	12 30	0010	20	240	0	1						
76/05/26	11 15	0119	30	420	0	0						
	11 45	0010	30	200	0	0						
76/06/24	10 30	0185	20	120	0	0						
	11 00	0010	20	90	0	0						
76/07/07	11 30	0198	20	110	1	1						
	12 00	0010	10	80	1	1						

TABLE 60 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM CR,DISS UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
72/06/28	08 45	0131					2		20			2
	09 15	0010					1		20			1
72/07/26	13 15	0125					1		70			2
	13 30	0010					1		80			2
72/08/30	10 15	0160					1		50			2
	10 30	0010					1		20			2
72/09/27	10 45	0137					1		30			2
	11 00	0010					1		30			2
72/10/18	11 00	0092					1		30			2
	11 30	0010					4		10			4
72/11/15	10 30	0026					4		20			0
	10 45	0010					8		30			0
72/12/20	10 00	0001					2		30			1
73/01/17	13 00	0001					1		30			2
73/02/22	10 00	0001					3		50			5
73/03/30	09 30	0001					0		0			0
73/04/26	09 00	0001					1		30			1
73/05/22	10 00	0045					4		30			1
	10 30	0010					4		30			2
73/06/20	10 00	0120					4		20			4
	10 30	0010					5		0			4
73/07/19	11 00	0121					1		10			1
	11 30	0010					1		10			0
73/08/16	11 00	0160					4		50			1
	11 30	0010					1		10			1
73/09/10	11 00	0145					4		10			4
	11 30	0010					6		20			2
73/10/04	10 30	0130					3		20			1
	11 00	0010					1		10			1
73/11/30	10 30	0110					0		30			2
	11 00	0010					0		30			2
74/04/24	11 00	0052					6		50			1
	11 30	0010					2		30			0
74/05/22	10 30	0076					3		10			2
	11 00	0010					4		20			1
74/06/11	11 15	0113							0	940	2	100 K

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
74/06/11	12 45	0010							60		2	100 K
74/07/10	10 15	0195							20	1100	1	100 K
	10 45	0010							20	400	3	100 K
74/07/24	11 30	0201							50	1100	1	100 K
	11 45	0010							10	200	1	100 K
74/08/07	10 30	0203							20	650	0	100 K
	11 00	0010							20	70	0	100 K
74/08/21	11 30	0208							20	560	2	100 K
	12 00	0010							10	70	2	100 K
74/09/05	11 00	0202							20	520	0	100 K
	11 15	0010							20	30	0	100 K
74/09/18	11 00	0196							90	460	0	100 K
	11 30	0010							50	80	0	100 K
74/10/01	11 30	0194							160	400	0	100 K
	11 45	0010							10	90	0	100 K
74/10/16	12 45	0185							40	270	2	100 K
	13 30	0010							20	80	1	100 K
74/10/30	12 15	0167							40	230	0	100 K
	12 30	0010							20	50	1	100 K
	13 00	0001							0			
74/12/03	15 00	0001							10	100	2	100 K
74/12/16	11 00	0001							0	150	1	100 K
75/01/02	13 00	0001							30	120	0	100 K
75/01/15	10 30	0001							10	220	2	100 K
75/01/28	12 00	0001							10	210	1	100 K
75/04/02	09 30	0001							10	560	0	100 K
75/05/07	12 30	0033							10	0	0	100 K
	13 00	0010							10	0	0	100 K
75/05/22	11 00	0055							40	1700	2	100 K
	11 30	0010							30	1700	2	100 K
75/06/05	10 30	0095							30	1300	1	100 K
	11 00	0010							110	940	2	100 K
75/06/26	10 45	0137							20	970	0	100 K
	11 00	0010							120	150	2	100 K
75/07/15	13 00	0168							0	370	0	100
	13 15	0010							0	30	0	100 K

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
75/07/30	12 30	0180							10	210	0	100 K
	13 00	0010							0	0	4	100 K
75/08/14	13 00	0186							10	120	0	100 K
	13 30	0010							0	0	0	100 K
75/08/28	10 45	0200							20	100	0	100 K
	11 00	0010							10	20	1	100 K
75/09/11	13 00	0195							10	30	0	100 K
	13 15	0010							20	0	1	100 K
75/09/25	10 45	0202							10	90	0	100 K
	11 00	0010							10	0	0	100 K
75/10/07	11 00	0190							10	280	1	100 K
	11 30	0010							0	0	1	0
75/10/30	10 15	0184							0	100	1	100 K
	10 30	0010							0	0	2	100 K
75/12/08	11 00	0001							0	150	1	100 K
75/12/23	10 00	0001							0	100	1	100 K
76/01/06	11 00	0001							0	230	0	100 K
76/01/20	10 30	0001							20	120	2	100 K
76/02/03	10 30	0001							20	190	1	100 K
76/03/19	11 00	0001							40	620	2	100 K
76/03/31	10 30	0001							10	480	1	100 K
76/05/05	11 30	0056							20	620	1	100 K
	12 30	0010							0	410	0	100 K
76/05/26	11 15	0119							40	810	1	3
	11 45	0010							30	320	1	1
76/06/24	10 30	0185							10	200	1	1
	11 00	0010							10	130	1	1
76/07/07	11 30	0198							20	180	2	100 K
	12 00	0010							40	80	2	100 K

TABLE 60 LAKE KOUKANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
72/06/28	08 45	0131		20.0		0.0				2		
	09 15	0010				10.0				2		
72/07/26	13 15	0125		0.0		0.0				4		
	13 30	0010		0.0		0.0				3		
72/08/30	10 15	0160		60.0		0.5				2		
	10 30	0010		10.0		0.5				2		
72/09/27	10 45	0137		10.0		0.2				0		
	11 00	0010		0.0		0.1				0		
72/10/18	11 00	0092		50.0		0.1				4		
	11 30	0010		20.0		0.1				8		
72/11/15	10 30	0026		140.0		0.0				0		
	10 45	0010		140.0		0.0				3		
72/12/20	10 00	0001		70.0		0.0				0		
73/01/17	13 00	0001		30.0		0.2				0		
73/02/22	10 00	0001		20.0		0.0				2		
73/03/30	09 30	0001		40.0		0.0				0		
73/04/26	09 00	0001		20.0		0.1				3		
73/05/22	10 00	0045		0.0		0.1				2		
	10 30	0010		20.0		0.1				3		
73/06/20	10 00	0120		0.0		0.0				0		
	10 30	0010		0.0		0.2				7		
73/07/19	11 00	0121		10.0		0.0				2		
	11 30	0010		0.0		0.0				2		
73/08/16	11 00	0160		20.0		0.0				2		
	11 30	0010		10.0		0.0				2		
73/09/10	11 00	0145		0.0		0.0				0		
	11 30	0010		0.0		0.0				0		
73/10/04	10 30	0130		8.0		0.0				0		
	11 00	0010		0.0		0.0				0		
73/11/30	10 30	0110		20.0		0.0				0		
	11 00	0010		0.0		0.0				0		
74/04/24	11 00	0052		2000.0		0.0				2		
	11 30	0010		70.0		0.0				1		
74/05/22	10 30	0076		40.0		0.0				4		
	11 00	0010		40.0		0.0				1		
74/06/11	11 15	0113		40.0	40.0			0	0			

TABLE 60 LAKE KOUKANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DTSS UG/L	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L
74/06/11	12 45	0010		30.0	30.0			0	0			
74/07/10	10 15	0195		0.0	20.0			0	0			
	10 45	0010		10.0	10.0			0	0			
74/07/24	11 30	0201		0.0	40.0			0	0			
	11 45	0010		0.0	0.0			0	0			
74/08/07	10 30	0203		0.0	20.0			0	0			
	11 00	0010		0.0	0.0			0	0			
74/08/21	11 30	0208		0.0	10.0			0	0			
	12 00	0010		0.0	0.0			0	0			
74/09/05	11 00	0202		10.0	20.0			0	0			
	11 15	0010		0.0	0.0			0	3			
74/09/18	11 00	0196		0.0	0.0			0	1			
	11 30	0010		0.0	0.0			1	1			
74/10/01	11 30	0194		0.0	0.0			0	0			
	11 45	0010		0.0	0.0			1	0			
74/10/16	12 45	0185		10.0 K	10.0			0	0			
	13 30	0010		0.0	0.0			0	0			
74/10/30	12 15	0167		0.0	30.0			0	0			
	12 30	0010		0.0	0.0			0	0			
74/12/03	15 00	0001		0.0	10.0 K			0	1			
74/12/16	11 00	0001		0.0	30.0			0	0			
75/01/02	13 00	0001		0.0	20.0			1	1			
75/01/15	10 30	0001		0.0	10.0			0	1			
75/01/28	12 00	0001		20.0	40.0			1	2			
75/04/02	09 30	0001		110.0	110.0			0	0			
75/05/07	12 30	0033		50.0	100.0			1	3			
	13 00	0010		50.0	90.0			1	2			
75/05/22	11 00	0055		10.0	70.0			0	0			
	11 30	0010		10.0	60.0			0	0			
75/06/05	10 30	0095		0.0	30.0			0	1			
	11 00	0010		0.0	10.0			0	1			
75/06/26	10 45	0137		0.0	30.0			0	1			
	11 00	0010		5.0	0.0			0	0			
75/07/15	13 00	0168		0.0	20.0			0	1			
	13 15	0010		0.0	0.0			0	0			
75/07/30	12 30	0180		10.0				0	0			

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DISS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L
75/07/30	13 00	0010		0.0				0	0			
75/08/14	13 00	0186		0.0	20.0			0	0			
	13 30	0010		0.0	0.0			0	0			
75/08/28	10 45	0200		0.0	0.0			0	0			
	11 00	0010		0.0	0.0			1	0			
75/09/11	13 00	0195		0.0	0.0			0	1			
	13 15	0010		0.0	0.0			0	1			
75/09/25	10 45	0202		0.0	10.0			0	0			
	11 00	0010		10.0	10.0			1	1			
75/10/07	11 00	0190		10.0	10.0			0	1			
	11 30	0010		10.0	10.0			0	1			
75/10/30	10 15	0184		0.0	0.0			2	2			
	10 30	0010		10.0	0.0			2	2			
75/12/08	11 00	0001		0.0	20.0			0	1			
75/12/23	10 00	0001		0.0	20.0			0	1			
76/01/06	11 00	0001		20.0	30.0			2	2			
76/01/20	10 30	0001		20.0	30.0			0	0			
76/02/03	10 30	0001		50.0	60.0			0	0			
76/03/19	11 00	0001		120.0	140.0			1	1			
76/03/31	10 30	0001		120.0	120.0			1	1			
76/05/05	11 30	0056		10.0	40.0			0	1			
	12 30	0010		10.0	40.0			0	1			
76/05/26	11 15	0119		10.0	20.0			0	0			
	11 45	0010		0.0	10.0			0	0			
76/06/24	10 30	0185		1.0	10.0			1	1			
	11 00	0010		1.0	7.0			1	1			
76/07/07	11 30	0198		10.0	20.0			0	0			
	12 00	0010		0.0	0.0			0	1			

TABLE 60 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/06/28	08 45	0131		0	
	09 15	0010		7	
72/07/26	13 15	0125		0	
	13 30	0010		10	
72/08/30	10 15	0160		10	
	10 30	0010		0	
72/09/27	10 45	0137		10	
	11 00	0010		0	
72/10/18	11 00	0092		10	
	11 30	0010		10	
72/11/15	10 30	0026		20	
	10 45	0010		10	
72/12/20	10 00	0001		40	
73/01/17	13 00	0001		10	
73/02/22	10 00	0001		20	
73/03/30	09 30	0001		20	
73/04/26	09 00	0001		20	
73/05/22	10 00	0045		10	
	10 30	0010		10	
73/06/20	10 00	0120		10	
	10 30	0010		10	
73/07/19	11 00	0121		10	
	11 30	0010		10	
73/08/16	11 00	0160		20	
	11 30	0010		10	
73/09/10	11 00	0145		0	
	11 30	0010		0	
73/10/04	10 30	0130		20	
	11 00	0010		20	
73/11/30	10 30	0110		20	
	11 00	0010		20	
74/04/24	11 00	0052		30	
	11 30	0010		20	
74/05/22	10 30	0076		20	
	11 00	0010		40	
74/06/11	11 15	0113		20	30



TABLE 60 LAKE KNOCCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
74/06/11	12 45	0010		30	130
74/07/10	10 15	0195		20	40
	10 45	0010		10	30
74/07/24	11 30	0201		0	20
	11 45	0010		0	20
74/08/07	10 30	0203		0	0
	11 00	0010		0	10
74/08/21	11 30	0208		20	10
	12 00	0010		10	70
74/09/05	11 00	0202		10	20
	11 15	0010		0	20
74/09/18	11 00	0196		20	10
	11 30	0010		20	20
74/10/01	11 30	0194		0	10
	11 45	0010		20	10
74/10/16	12 45	0185		10	20
	13 30	0010		10	170
74/10/30	12 15	0167		50	50
	12 30	0010		60	40
74/12/03	15 00	0001		10	10
74/12/16	11 00	0001		0	30
75/01/02	13 00	0001		0	20
75/01/15	10 30	0001		7	30
75/01/28	12 00	0001		20	30
75/04/02	09 30	0001		10	20
75/05/07	12 30	0033		0	10
	13 00	0010		4	0
75/05/22	11 00	0055		2	30
	11 30	0010		6	30
75/06/05	10 30	0095		0	20
	11 00	0010		0	20
75/06/26	10 45	0137		10	20
	11 00	0010		4	20
75/07/15	13 00	0168		0	10
	13 15	0010		0	10
75/07/30	12 30	0180		0	10

TABLE 60 LAKE KNOCCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
75/07/30	13 00	0010		0	8
75/08/14	13 00	0186		0	10
	13 30	0010		0	0
75/08/28	10 45	0200		0	0
	11 00	0010		10	20
75/09/11	13 00	0195		0	0
	13 15	0010		0	0
75/09/25	10 45	0202		10	10
	11 00	0010		10	10
75/10/07	11 00	0199		10	10
	11 30	0010		10	10
75/10/30	10 15	0184		4	0
	10 30	0010		10	1
75/12/08	11 00	0001		0	0
75/12/23	10 00	0001		0	0
76/01/06	11 00	0001		0	30
76/01/20	10 30	0001		0	0
76/02/03	10 30	0001		10	20
76/03/19	11 00	0001		0	20
76/03/31	10 30	0001		10	10
76/05/05	11 30	0056		10	30
	12 30	0010		10	50
76/05/26	11 15	0119		10	10
	11 45	0010		10	0
76/06/24	10 30	0185		10	20
	11 00	0010		8	10
76/07/07	11 30	0198		0	0
	12 00	0010		10	0

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/06/28	11 30	0066			0				10	1		0
	12 00	0010			3				0	1		0
72/07/27	10 00	0085			0		0			1		0
	10 15	0010			0		0			0		0
72/08/31	10 15	0082			8		0			1		0
	10 30	0010			10		0			0		0
72/09/28	10 30	0069			0		0			1		0
	10 45	0010			3		0			0		0
72/10/19	11 00	0023			0		0			1		0
	11 30	0010			0		0			1		0
72/11/15	16 30	0001			2		0			0		0
73/05/22	12 30	0001			0		0			1		0
73/06/21	10 30	0053			0		0			0		0
	11 00	0010			1		0			0		0
73/07/18	11 00	0085			1		100			1		0
	11 30	0010			2		200			1		0
73/08/15	11 00	0095			4		0			1		0
	11 30	0010			2		0			0		0
73/09/12	10 00	0077			2		0			0		0
	10 30	0010			3		0			0		0
73/10/03	12 30	0060			4		0			0		0
	12 45	0010			0		0			0		0
74/05/24	10 00	0001			1		0			0		0
74/06/12	10 00	0049	360	500	0	2				0		0
	10 30	0010	60	600	1	0						
74/06/25	12 15	0096	20	3100	1	4						
	12 45	0010	20	1300	1	2						
74/07/09	10 45	0108	30	900	2	3						
	11 00	0010	40		4	3						
74/07/23	12 30	0102	0	400	1	1						
	13 00	0010	30	200	1	1						
74/08/06	10 00	0106	10	200	2	1						
	10 45	0010	0	200	2	5						
74/08/20	12 00	0119	0	300	0	0						
	12 30	0010	10	100	0	0						
74/09/04	11 30	0112	10	200	0	1						

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
74/09/04	11 45	0010	0	0	1	0						
74/09/17	11 00	0122	10	200	1	1						
	11 15	0010	10	0	1	1						
74/10/02	10 45	0119	10	400	1	1						
	11 15	0010	10	100	0	1						
74/10/17	11 30	0104	20	200	2	1						
	12 00	0010	20	300	1	1						
74/10/31	10 45	0094	0	100	0	0						
	11 00	0010	10	200	0	0						
75/06/06	10 30	0026	30	1900	1	2						
	11 00	0010	10	2000	1	2						
75/06/27	11 15	0070	20	400	2	1						
	11 30	0010	20	210	1	4						
75/07/17	11 00	0060	20	230	0	0						
	11 15	0010	20	70	1	0						
75/07/31	10 00	0095	30	190	0	3						
	10 30	0010	30	70	1	0						
75/08/15	10 00	0099	10	180	0	0						
	10 30	0010	10	80	0	0						
75/08/27	11 00	0103	0	80	1	1						
	11 15	0010	0	20	1	1						
75/09/12	11 00	0094	20	90	1	1						
	11 15	0010	10	70	1	1						
75/09/26	11 00	0097	20	70	1	1						
	11 15	0010	10	60	1	1						
75/10/08	11 00	0085	10	80	1	1						
	11 30	0010	10	100	1	1						
75/10/29	09 45	0091	20	70	1	5						
	10 00	0010	10	80	1	3						
76/06/25	10 30	0075	20	120	0	2						
	11 00	0010	20	90	0	0						
76/07/08	10 30	0085	0	100	1	1						
	11 00	0010	10	90	1	1						
76/07/28	13 00	0095	10	130	0	1						
	13 30	0010	10	100	1	1						
76/08/10	11 00	0100	20	220	0	1						

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
76/08/10	11 30	0010	10	60	0	1						
76/09/02	10 30	0010	10	280	0	1						
	12 30	0093	10	290	0	1						
76/09/15	11 00	0099	0	150	1	1						
	12 00	0010	20	110	0	0						
76/09/28	10 00	0010	0	30	0	0						
	10 30	0117	10	110	1	1						
76/10/13	10 30	0010	0	40	0							
	11 00	0092	0	50	0							
	11 30	0002	0	30	1							
77/06/28	11 00	0010	0	50	0	0						
	11 30	0093	0	60	0	0						
	12 00	0002	20	50	0	0						
77/08/30	12 30	0092	0	120	0	1						
	13 00	0002	0	90	1	0						
78/06/29	10 30	0010	10	40	0	0						
	11 00	0115	0	110	0	0						
	11 30	0002	20	40	1	0						
78/10/11	11 00	0010	0	40	0	0						
	11 30	0124	0	80	0	0						
	12 00	0002	10	40	1	0						

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 CORAL CORAL,DISS UG/L	01037 CORAL CORAL,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
72/06/28	11 30	0066					2		20		1	
	12 00	0010					2		20		2	
72/07/27	10 00	0085					1		20		2	
	10 15	0010					1		20		2	
72/08/31	10 15	0082					1		30		2	
	10 30	0010					1		20		1	
72/09/28	10 30	0069					1		20		2	
	10 45	0010					1		10		1	
72/10/19	11 00	0023					1		60		3	
	11 30	0010					1		30		3	
72/11/15	16 30	0001					4		30		0	
73/05/22	12 30	0001					5		50		3	
73/06/21	10 30	0053					2		50		4	
	11 00	0010					3		60		2	
73/07/18	11 00	0085					0		10		1	
	11 30	0010					1		10		1	
73/08/15	11 00	0095					2		0		1	
	11 30	0010					1		10		0	
73/09/12	10 00	0077					4		20		4	
	10 30	0010					2		10		3	
73/10/03	12 30	0060					1		10		0	
	12 45	0010					1		0		5	
74/05/24	10 00	0001					0		40		0	
74/06/12	10 00	0049							90	1000	1	100 K
	10 30	0010							60	970	0	100 K
74/06/25	12 15	0096							20	4600	4	100 K
	12 45	0010							20	1800	4	100 K
74/07/09	10 45	0108							20	820	2	100 K
	11 00	0010							20	270	2	100 K
74/07/23	12 30	0102							50	410	4	100 K
	13 00	0010							40	180	1	100 K
74/08/06	10 00	0106							20	300	0	100 K
	10 45	0010							10	80	0	100 K
74/08/20	12 00	0119							10	160	1	100 K
	12 30	0010							0	60	1	100 K
74/09/04	11 30	0112							20	250	0	100 K

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFI RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
74/09/04	11 45	0010							20	50	2	100 K
74/09/17	11 00	0122							40	220	0	100 K
	11 15	0010							20	50	0	100 K
74/10/02	10 45	0119							20	80	2	100 K
	11 15	0010							20	80	2	100 K
74/10/17	11 30	0104							20	160	0	100 K
	12 00	0010							10	100	0	100 K
74/10/31	10 45	0094							10	90	0	100 K
	11 00	0010							10	40	1	100 K
75/06/06	10 30	0026							20	3600	2	100 K
	11 00	0010							30	3700	3	100 K
75/06/27	11 15	0070							10	460	2	100 K
	11 30	0010							10	240	1	100 K
75/07/17	11 00	0060							30	250	0	100 K
	11 15	0010							20	70	0	100 K
75/07/31	10 00	0095							30	160	0	100 K
	10 30	0010							10	0	2	100 K
75/08/15	10 00	0099							0	90	0	100 K
	10 30	0010							0	0	0	100 K
75/08/27	11 00	0103							30	70	1	100 K
	11 15	0010							10	0	0	100 K
75/09/12	11 00	0094							20	20	0	100 K
	11 15	0010							100	50	1	100 K
75/09/26	11 00	0097							0	0	0	100 K
	11 15	0010							0	0	0	100 K
75/10/08	11 00	0085							0	10	0	0
	11 30	0010							0	40	0	100 K
75/10/29	09 45	0091							0	0	1	0
	10 00	0010							10	220	2	2
76/06/25	10 30	0075							10	130	2	0
	11 00	0010							0	150	2	100 K
76/07/08	10 30	0085							20	100	2	100 K
	11 00	0010							20	160	1	100 K
76/07/28	13 00	0095							10	40	2	100 K
	13 30	0010							10	330	0	100 K
76/08/10	11 00	0100										

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFI RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01049 LEAD PB,DISS UG/L	01051 LEAD PB,TOT UG/L
76/08/10	11 30	0010							10	40	1	100 K
76/09/02	10 30	0010							20	80	0	100 K
	12 30	0093							20	110	0	100 K
76/09/15	11 00	0099							20	150	0	100 K
	12 00	0010							20	10	0	100 K
76/09/28	10 00	0010							0	0	0	100 K
	10 30	0117							20	150	1	100 K
76/10/13	10 30	0010							10	60		100 K
	11 00	0092							0	40		100 K
	11 30	0002							10	360		100 K
77/06/28	11 00	0010							30	20	14	100 K
	11 30	0093							50	100	4	100 K
	12 00	0002							20	10	1	100 K
77/08/30	12 30	0092							10	260	1	100 K
	13 00	0002							10	210	6	100 K
78/06/29	10 30	0010							20	170	2	3
	11 00	0115							30	340	5	6
	11 30	0002							20	130	1	20
78/10/11	11 00	0010							20	50	3	6
	11 30	0124							30	220	3	3
	12 00	0002							20	40	2	3

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DISS UG/L
72/06/28	11 30	0066		10.0		0.0				1		
	12 00	0010		10.0		0.0				2		
72/07/27	10 00	0085		0.0		0.0				3		
	10 15	0010		0.0		0.0				2		
72/08/31	10 15	0082		0.0		0.5				2		
	10 30	0010		10.0		0.5				2		
72/09/28	10 30	0069		0.0		0.2				0		
	10 45	0010		20.0		0.1				0		
72/10/19	11 00	0023		90.0		0.2				10		
	11 30	0010		40.0		0.2				6		
72/11/15	16 30	0001		20.0		0.0				1		
73/05/22	12 30	0001		50.0		0.0				5		
73/06/21	10 30	0053		0.0		0.0				2		
	11 00	0010		0.0		0.0				2		
73/07/18	11 00	0085		0.0		0.2				2		
	11 30	0010		0.0		0.0				2		
73/08/15	11 00	0095		0.0		0.0				0		
	11 30	0010		0.0		0.0				1		
73/09/12	10 00	0077		20.0		0.0				0		
	10 30	0010		10.0		0.0				0		
73/10/03	12 30	0060		16.0		0.0				0		
	12 45	0010		8.0		0.3				0		
74/05/24	10 00	0001		10.0		0.0				0		
74/06/12	10 00	0049		90.0	230.0			0	0			
	10 30	0010		20.0	90.0			1	0			
74/06/25	12 15	0096		90.0	100.0			0	0			
	12 45	0010		20.0	30.0			0	1			
74/07/09	10 45	0108		0.0	4100.0			0	0			
	11 00	0010		0.0	0.0			0	0			
74/07/23	12 30	0102		0.0	0.0			0	0			
	13 00	0010		0.0	60.0			0	0			
74/08/06	10 00	0106		0.0	0.0			0	0			
	10 45	0010		0.0	0.0			0	0			
74/08/20	12 00	0119		0.0	0.0			0	0			
	12 30	0010		0.0	0.0			0	0			
74/09/04	11 30	0112		0.0	0.0			0	0			

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DISS UG/L
74/09/04	11 45	0010		0.0	0.0			0	0			
74/09/17	11 00	0122		0.0	0.0			1	1			
	11 15	0010		0.0	0.0			0	1			
74/10/02	10 45	0119		0.0	0.0			0	0			
	11 15	0010		0.0	0.0			0	0			
74/10/17	11 30	0104		10.0	20.0			1	0			
	12 00	0010		0.0	0.0			0	0			
74/10/31	10 45	0094		20.0	50.0			0	0			
	11 00	0010		30.0	20.0			0	0			
75/06/06	10 30	0026		0.0	110.0			0	1			
	11 00	0010		0.0	110.0			0	1			
75/06/27	11 15	0070		5.0	10.0			0	0			
	11 30	0010		5.0	10.0			0	0			
75/07/17	11 00	0060		0.0	20.0			2	2			
	11 15	0010		0.0	10.0			0	0			
75/07/31	10 00	0095		10.0	10.0			0	0			
	10 30	0010		10.0	0.0			0	0			
75/08/15	10 00	0099		0.0	0.0			0	0			
	10 30	0010		0.0	0.0			0	1			
75/08/27	11 00	0103		0.0	0.0			0	1			
	11 15	0010		0.0	0.0			0	0			
75/09/12	11 00	0094		0.0	10.0			0	1			
	11 15	0010		0.0	0.0			0	1			
75/09/26	11 00	0097		10.0	10.0			1	1			
	11 15	0010		20.0	20.0			1	1			
75/10/08	11 00	0085		10.0	10.0			0	1			
	11 30	0010		10.0	10.0			1	1			
75/10/29	09 45	0091		0.0	0.0			0	0			
	10 00	0010		0.0	0.0			0	2			
76/06/25	10 30	0075		3.0	10.0			1	1			
	11 00	0010		3.0	10.0			1	1			
76/07/08	10 30	0085		0.0	10.0			0	0			
	11 00	0010		10.0	10.0			0	0			
76/07/28	13 00	0095		0.0	0.0			0	0			
	13 30	0010		0.0	0.0			0	1			
76/08/10	11 00	0100		0.0	10.0			1	0			

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFI RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01130 LITHIUM LI,DISS UG/L	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L
76/08/10	11 30	0010		0.0	0.0			1	0			
76/09/02	10 30	0010		0.0	0.0			0	0			
	12 30	0093		0.0	10.0			0	0			
76/09/15	11 00	0099		0.0	20.0			0	1			
	12 00	0010		0.0	0.0			0	0			
76/09/28	10 00	0010		10.0	0.0			0	0			
	10 30	0117		0.0	20.0			1	0			
76/10/13	10 30	0010		0.0	0.0			0	0			
	11 00	0092		0.0	0.0			0	0			
	11 30	0002		0.0	10.0			0	0			
77/06/28	11 00	0010		0.0	4.0			0	0			
	11 30	0093		0.0	8.0			0	1			
	12 00	0002		0.0	0.0			0	1			
77/08/30	12 30	0092		0.0	0.0			0	0			
	13 00	0002		0.0	0.0			0	1			
78/06/29	10 30	0010		0.0	0.0			0	4			
	11 00	0115		0.0	0.0			0	5			
	11 30	0002		0.0	10.0			0	4			
78/10/11	11 00	0010		0.0	0.0			0	3			
	11 30	0124		0.0	10.0			0	3			
	12 00	0002		0.0	0.0			0	3			

TABLE 61 LAKE KOOCANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

COE/USGS DATA:STORFI RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/06/28	11 30	0066		20	
	12 00	0010		10	
72/07/27	10 00	0085		0	
	10 15	0010		0	
72/08/31	10 15	0082		0	
	10 30	0010		0	
72/09/28	10 30	0069		10	
	10 45	0010		0	
72/10/19	11 00	0023		40	
	11 30	0010		20	
72/11/15	16 30	0001		20	
73/05/22	12 30	0001		10	
73/06/21	10 30	0053		20	
	11 00	0010		10	
73/07/18	11 00	0085		20	
	11 30	0010		20	
73/08/15	11 00	0095		10	
	11 30	0010		10	
73/09/12	10 00	0077		0	
	10 30	0010		0	
73/10/03	12 30	0060		10	
	12 45	0010		10	
74/05/24	10 00	0901		30	
74/06/12	10 00	0049		20	30
	10 30	0010		20	20
74/06/25	12 15	0096		10	40
	12 45	0010		0	30
74/07/09	10 45	0108		0	40
	11 00	0010		0	20
74/07/23	12 30	0102		0	10
	13 00	0010		0	0
74/08/06	10 00	0106		0	10
	10 45	0010		0	0
74/08/20	12 00	0119		0	30
	12 30	0010		0	10
74/09/04	11 30	0112		20	10

TABLE 61 LAKE KOUKANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

CDF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
74/09/04	11 45	0010		0	10
74/09/17	11 00	0122		10	20
	11 15	0010		10	10
74/10/02	10 45	0119		20	10
	11 15	0010		20	10
74/10/17	11 30	0104		10	1200
	12 00	0010		30	40
74/10/31	10 45	0094		10	20
	11 00	0010		10	20
75/06/06	10 30	0026		0	40
	11 00	0010		0	30
75/06/27	11 15	0070		0	20
	11 30	0010		0	30
75/07/17	11 00	0060		8	20
	11 15	0010		20	10
75/07/31	10 00	0095		0	10
	10 30	0010		0	10
75/08/15	10 00	0099		10	0
	10 30	0010		0	0
75/08/27	11 00	0103		0	40
	11 15	0010		0	40
75/09/12	11 00	0094		20	40
	11 15	0010		0	7
75/09/26	11 00	0097		10	10
	11 15	0010		10	10
75/10/08	11 00	0085		10	10
	11 30	0010		10	10
75/10/29	09 45	0091		2	0
	10 00	0010		0	0
76/06/25	10 30	0075		10	10
	11 00	0010		6	40
76/07/08	10 30	0085		0	10
	11 00	0010		0	10
76/07/28	13 00	0095		0	0
	13 30	0010		0	0
76/08/10	11 00	0100		0	10

TABLE 61 LAKE KOUKANUSA AT INTERNATIONAL  
USGS STATION NO. 12300110

CDF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01085 VANADIUM V,DISS UG/L	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
76/08/10	11 30	0010		0	10
76/09/02	10 30	0010		0	0
	12 30	0093		0	10
76/09/15	11 00	0090		10	10
	12 00	0010		10	0
76/09/28	10 00	0010		0	0
	10 30	0117		0	10
76/10/13	10 30	0010		0	10
	11 00	0092		0	10
	11 30	0002		0	0
77/06/28	11 00	0010		2	10
	11 30	0093		0	10
	12 00	0002		0	6
77/08/30	12 30	0092		0	20
	13 00	0002		0	20
78/06/29	10 30	0010		0	60
	11 00	0115		0	40
	11 30	0002		0	10
78/10/11	11 00	0010		10	0
	11 30	0124		10	10
	12 00	0002		0	10

TABLE 62. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION 0200100

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, DISS UG/L	01042 COPPER CU, TOT UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN-TOT UG/L
720726	3	5k	2	--	80	3k	--	10k	--	20	--
720726	25	5k	1k	--	100	3k	--	10k	--	5k	--
720726	85	5k	1k	--	260	3k	--	10k	--	5	--
720829	3	--	--	--	40k	--	--	10k	--	--	--
720829	40	--	--	--	40k	--	--	10k	--	--	--
720829	80	--	--	--	40k	--	--	10k	--	--	--
730625	3	5k	2	--	130	1	--	10k	--	20	--
730625	36	5k	1k	--	370	1	--	10k	--	20	--
730625	70	5k	1	--	260	1	--	10k	--	5k	--
730723	3	--	--	--	40k	--	--	10k	--	--	--
730723	65	--	--	--	140	--	--	10k	--	--	--
730723	95	--	--	--	130	--	--	10k	--	--	--
730816	3	--	--	--	40k	--	--	10k	--	--	--
730816	75	--	--	--	140	--	--	10k	--	--	--
730816	108	--	--	--	140	--	--	10k	--	--	--
730827	3	5k	1k	--	40k	1k	--	10k	--	5k	--
730827	50	5k	1k	--	--	1k	--	10k	--	5	--
730827	92	5k	1k	--	80	1	--	10k	--	5k	--
731003	10	5k	1	--	40k	1	--	10k	--	5k	--
731003	35	5k	1	--	40k	1k	--	10	--	5k	--
731003	65	5k	1k	--	130	2	--	20	--	8	--
740522	3	--	--	--	400	--	--	20k	--	--	--
740522	23	5k	2	--	800	1k	--	20k	--	12	--
740626	3	5k	3	--	500	1k	--	20k	--	5k	--
740626	40	5k	1k	--	4200	1k	--	20k	--	5k	--
740626	80	5k	1k	--	4300	1k	--	20k	--	5k	--
740723	3	5k	1	--	200	1k	--	20k	--	5k	--
740723	58	5k	--	--	400	--	--	20k	--	5k	--
740723	112	5k	6	--	400	3	--	20k	--	--	--
740819	1	5k	5k	--	100	1k	--	20k	--	--	--
740819	49	5k	1k	--	100	1k	--	20k	--	--	--
740819	99	5k	9	--	200	1k	--	20k	--	--	--
740924	3	--	--	--	100	--	--	20k	--	--	--
740924	66	--	--	--	200	--	--	20k	--	--	--
740924	128	--	--	--	400	--	--	20k	--	--	--
741022	0	--	--	--	100k	--	--	20k	--	--	--
741022	49	--	--	--	100k	--	--	20k	--	--	--
741022	95	--	--	--	100	--	--	20k	--	--	--
750528	3.28	5k	1k	--	400	1k	--	20k	--	9	--
750528	16.4	5k	1k	--	500	1k	--	20k	--	27	--
750624	3.28	--	--	--	300	--	--	20k	--	--	--
750624	32.8	--	--	--	500	--	--	20k	--	--	--
750624	65.6	--	--	--	700	--	--	20k	--	--	--
750721	1.2	5k	1k	--	300	1k	--	20k	--	5k	--
750721	32.8	5k	--	--	300	--	--	20k	--	--	--
750721	82	5k	1k	--	400	1k	--	20k	--	5k	--
750826	3.28	5k	4	--	100k	1k	--	20k	--	5k	--
750826	39.4	6	--	--	200	--	--	20k	--	--	--
750826	98.4	5k	1k	--	200	1k	--	20k	--	5k	--
750923	3.28	--	--	--	100k	--	--	20k	--	--	--
750923	59.1	--	--	--	100k	--	--	20k	--	--	--
750923	115	--	--	--	100	--	--	20k	--	--	--
751028	3.28	--	--	--	100	--	--	20k	--	--	--
751028	49.2	--	--	--	100	--	--	20k	--	--	--
751028	91.9	--	--	--	100	--	--	20k	--	--	--
751125	3.28	--	--	--	200	--	--	--	--	--	--
751125	48.0	--	--	--	100	--	--	--	--	--	--
751125	88.6	--	--	--	--	--	--	--	--	--	--
760601	3.28	--	--	--	--	--	--	--	--	--	--
760601	26.2	--	--	--	--	--	--	--	--	--	--
760601	52.5	--	--	--	--	--	--	--	--	--	--
760706	3.28	--	--	--	--	--	--	20k	--	--	--
760706	49.2	--	--	--	--	--	--	20k	--	--	--
760706	95.1	--	--	--	--	--	--	20k	--	--	--
760809	3.28	5k	--	--	100k	--	--	--	--	--	--
760809	55.8	--	--	--	--	--	--	20k	--	--	--
760809	102	5k	--	--	300	--	--	--	--	--	--
760901	3.28	--	--	--	--	--	--	20k	--	--	--
760901	55.8	--	--	--	--	--	--	20k	--	--	--
760901	112	--	--	--	--	--	--	20k	--	--	--
761004	3.28	--	--	--	--	--	--	20k	--	--	--
761004	52.5	--	--	--	--	--	--	20k	--	--	--
761004	105	--	--	--	--	--	--	20k	--	--	--
761102	3.28	--	--	--	--	--	--	20k	--	--	--
761102	54.1	--	--	--	--	--	--	20k	--	--	--
761102	108	--	--	--	--	--	--	20k	--	--	--
770602	3.28	--	--	--	--	--	--	20k	--	--	--
770602	32.8	--	--	--	--	--	--	20k	--	--	--
770602	65.6	--	--	--	--	--	--	20k	--	--	--
770705	3.28	5k	1k	--	200	1k	--	20k	--	5k	--
770705	52.5	5k	1k	--	300	1k	--	20k	--	5k	--
770705	102	5k	1k	--	200	1k	--	20k	--	5k	--
770726	3.28	--	1k	1k	100	1k	1k	20k	20k	5k	5k
770726	45.9	--	--	--	--	--	--	--	--	--	--
770726	91.9	--	1k	1k	200	1k	1k	--	20	5k	5k
770830	3.28	--	1k	1k	100k	1k	1k	20k	20k	5k	5k
770830	45.9	--	1k	1k	100k	1k	1k	20k	20k	5k	5k

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.



TABLE 62. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT INTERNATIONAL BORDER  
STATION 0200100

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, DISS UG/L	01042 COPPER CU, TOT UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN-TOT UG/L
770830	91.9	--	1k	2	300	1k	1k	--	30	--	24
770927	3.28	--	--	--	--	--	--	20k	--	--	--
770927	45.9	--	--	--	--	--	--	20k	--	--	--
770927	88.6	--	--	--	--	--	--	20k	--	--	--
771101	3.28	--	--	--	--	--	--	20k	--	--	--
771101	45.9	--	--	--	--	--	--	20k	--	--	--
771101	82	--	--	--	--	--	--	20k	--	--	--
780606	3.28	--	--	--	--	--	--	--	--	--	--
780606	91.9	--	--	--	--	--	--	--	--	--	--
780705	3.28	--	--	--	--	--	--	--	--	--	--
780705	68.9	--	--	--	--	--	--	--	--	--	--
780705	138	--	--	--	--	--	--	--	--	--	--
780802	3.28	--	1k	1k	100	1k	1k	20k	20k	5k	5k
780802	72.2	--	1k	1k	200	1k	1k	20k	20k	5k	5k
780802	148	--	1k	1k	300	1k	1k	20k	20k	5k	5k
780913	3.28	--	--	--	--	--	--	--	--	--	--
780913	68.9	--	--	--	--	--	--	--	--	--	--
780913	135	--	--	--	--	--	--	--	--	--	--
781011	3.28	--	1k	1k	100k	1k	1k	20k	20k	5k	5k
781011	65.6	--	1k	1k	100	1k	1k	20k	20k	5k	5k
781011	131	--	1k	1k	200	1k	1k	20k	20k	5k	5k
781115	3.28	--	--	--	--	--	--	--	--	--	--
781115	59.1	--	--	--	--	--	--	--	--	--	--
781115	118	--	--	--	--	--	--	--	--	--	--

TABLE 63. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION 0200101

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, DISS UG/L	01042 COPPER CU, TOT UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN-TOT UG/L
720726	3	5k	3	--	280	3k	--	10	--	5	--
720726	15	5k	10	--	260	3k	--	10k	--	5	--
720726	23	5k	2	--	260	3k	--	10k	--	6	--
730724	3	5	1k	--	100	1k	--	10	--	6	--
730724	15	5k	1k	--	300	1k	--	10k	--	6	--
730724	30	5k	1k	--	40k	1	--	10	--	10	--
730828	3	5	1k	--	120	1k	--	10k	--	6	--
730828	15	5	1k	--	120	1k	--	10k	--	5	--
730828	26	5	1k	--	100	1k	--	10k	--	8	--
740627	3	5k	1k	--	3300	1k	--	20k	--	5k	--
740627	32	5k	1k	--	4100	1k	--	20k	--	5k	--
740627	56	5k	1k	--	6300	1k	--	20k	--	5k	--
740724	3	5k	1k	--	100k	1k	--	20k	--	5k	--
740724	33	5k	--	--	300	--	--	20k	--	--	--
740724	66	5k	1	--	400	1k	--	20k	--	5k	--
740820	3	5k	1k	--	100	1k	--	20k	--	7	7
740820	30	5k	1k	--	100k	1k	--	20k	--	7	7
740820	59	5k	1	--	200	2	--	20k	--	5k	7
740923	3	--	--	--	100	--	--	20k	--	--	--
740923	42	--	--	--	100	--	--	20k	--	--	--
740923	82	--	--	--	200	--	--	20k	--	--	--
741021	3	--	--	--	100k	--	--	20k	--	--	--
741021	22.5	--	--	--	100	--	--	20k	--	--	--
741021	42.6	--	--	--	100	--	--	20k	--	--	--
750722	3.28	5k	1k	--	200	1k	--	20k	--	5k	--
750722	16.4	5k	--	--	200	--	--	20k	--	--	--
750722	29.9	5k	--	--	400	--	--	20k	--	--	--
750722	45.9	5k	1	--	500	1k	--	20k	--	5k	--
750827	3.28	5k	1k	--	100	1k	--	20k	--	5k	--
750827	16.4	7	--	--	100	--	--	20k	--	--	--
750827	42.5	5k	--	--	200	--	--	20k	--	--	--
750827	68.9	5k	1k	--	300	1k	--	20k	--	5k	--
750924	3.28	--	--	--	200	--	--	20k	--	--	--
750924	39.4	--	--	--	100	--	--	20k	--	--	--
750924	75.5	--	--	--	200	--	--	20k	--	--	--
760707	3.28	--	--	--	--	--	--	--	--	--	--
760707	39.4	--	--	--	--	--	--	--	--	--	--
760707	72.2	--	--	--	--	--	--	20k	--	--	--
760810	3.28	5k	1k	--	100k	1	--	20k	--	5k	--
760810	42.7	--	--	--	--	--	--	20k	--	--	--
760810	78.7	5k	1k	--	5200	1k	--	20k	--	5k	--
760907	3.28	--	--	--	--	--	--	20k	--	--	--
760907	12.5	--	--	--	--	--	--	20k	--	--	--
760907	72.2	--	--	--	--	--	--	20k	--	--	--
761007	3.28	--	--	--	--	--	--	20k	--	--	--
761007	36.1	--	--	--	--	--	--	20k	--	--	--
761007	72.2	--	--	--	--	--	--	20k	--	--	--
761103	3.28	--	--	--	--	--	--	20k	--	--	--
761103	29.5	--	--	--	--	--	--	20k	--	--	--
761103	52.5	--	--	--	--	--	--	20k	--	--	--
770706	3.28	5k	1k	--	200	1k	--	20k	--	5k	--
770706	16.4	5k	1k	--	100	1k	--	20k	--	5k	--
770706	32.8	5k	1k	--	100	1k	--	20k	--	5k	--

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 63. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT CONFLUENCE OF ELK RIVER  
STATION 0200101

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, DISS UG/L	01042 COPPER CU, TOT UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN, TOT UG/L
770727	3.28	5k	1k	--	400	1k	--	20k	--	5k	--
770727	14.4	--	--	--	--	--	--	20k	--	--	--
770727	28.9	5k	1k	--	400	1k	--	20k	--	5k	--
770831	3.28	--	1k	4	1200	1k	1	20k	30	5k	5k
770831	29.5	--	1	4	1200	1k	4	20k	20	5k	5k
770831	32.8	--	--	--	--	--	--	--	--	--	--
770926	3.28	--	--	--	--	--	--	20k	--	--	--
770926	19.7	--	--	--	--	--	--	20k	--	--	--
770926	32.8	--	--	--	--	--	--	20k	--	--	--
771031	3.28	--	--	--	--	--	--	20	--	--	--
771031	23.0	--	--	--	--	--	--	20	--	--	--
780704	3.28	--	--	--	--	--	--	--	--	--	--
780704	32.8	--	--	--	--	--	--	--	--	--	--
780704	68.9	--	--	--	--	--	--	--	--	--	--
780801	3.28	--	--	2	100k	1k	1k	20k	20k	--	13
780801	42.7	--	1k	1k	200	1k	1k	20k	20k	--	7
780801	82.0	--	1k	1k	200	1k	1k	20k	20k	--	6
780912	3.28	--	--	--	--	--	--	--	--	--	--
780912	36.1	--	--	--	--	--	--	--	--	--	--
780912	68.9	--	--	--	--	--	--	--	--	--	--
781012	3.28	--	1k	1k	100	1k	1k	20k	20k	5k	5k
781012	32.8	--	1k	1k	200	1k	1k	20k	20k	5k	5k
781012	65.6	--	1k	1k	200	1k	1k	20k	20k	--	8

TABLE 64. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT RIVER MILE 294  
STATION NO. 0200169

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, TOT UG/L	01042 COPPER CU, DISS UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN, TOT UG/L
730829	3	5k	1k	--	140	1k	--	10k	--	5	--
730829	12	5k	1k	--	160	1k	--	10k	--	7	--
730829	20	6	1k	--	140	1k	--	10k	--	9	--
740725	3	5k	1k	--	100k	1	--	20k	--	5k	--
740725	32	5k	1k	--	200	1k	--	20k	--	5k	--
740725	59	5k	1k	--	300	1k	--	20k	--	5k	--
740821	3	5k	1k	--	100	1k	--	20k	--	5k	5k
740821	31	5k	1k	--	100	1	--	20k	--	5k	5k
740821	62	5k	2	--	200	1	--	20k	--	7	7
740925	3	--	--	--	100k	--	--	20k	--	--	--
740925	33	--	--	--	100k	--	--	20k	--	--	--
740925	61	--	--	--	200	--	--	20k	--	--	--
741023	3	--	--	--	100k	--	--	20k	--	--	--
741023	36	--	--	--	100	--	--	20	--	--	--
750805	3.28	5k	1k	--	100k	1k	--	20k	--	5k	--
750805	17.7	5k	--	--	100k	--	--	20k	--	--	--
750805	39.4	5k	1k	--	100	1k	--	20k	--	5	--
750828	3.28	5k	1k	--	200	1k	--	20k	--	5k	--
750828	30.8	5	--	--	100	--	--	20k	--	--	--
750828	42.7	5k	1k	--	200	1k	--	20k	--	6	--
750925	3.28	--	--	--	100	--	--	20k	--	--	--
750925	29.9	--	--	--	100	--	--	20k	--	--	--
750925	52.5	--	--	--	300	--	--	40	--	--	--
751029	3.28	--	--	--	100	--	--	20k	--	--	--
751029	26.2	--	--	--	100	--	--	20	--	--	--
751029	45.9	--	--	--	200	--	--	30	--	--	--
760705	3.28	--	--	--	--	--	--	20k	--	--	--
760705	29.5	--	--	--	--	--	--	20k	--	--	--
760705	52.5	--	--	--	--	--	--	--	--	--	--
760811	3.28	5k	1k	--	100k	1k	--	20k	--	5k	--
760811	32.8	--	--	--	--	--	--	20k	--	--	--
760811	62.3	5k	1k	--	500	1k	--	20k	--	5k	--
760908	3.28	--	--	--	--	--	--	20k	--	--	--
760908	31.2	--	--	--	--	--	--	20k	--	--	--
760908	59.1	--	--	--	--	--	--	20k	--	--	--
761007	3.28	--	--	--	--	--	--	20k	--	--	--
761007	29.5	--	--	--	--	--	--	20k	--	--	--
761007	55.8	--	--	--	--	--	--	20	--	--	--
761104	3.28	--	--	--	--	--	--	20k	--	--	--
761104	23.0	--	--	--	--	--	--	20k	--	--	--
761104	39.4	--	--	--	--	--	--	20k	--	--	--
780704	3.28	--	--	--	--	--	--	--	--	--	--
780704	49.2	--	--	--	--	--	--	--	--	--	--
780801	3.28	--	--	1k	100k	1k	1k	20k	20k	5k	5k
780801	32.8	--	--	1k	100	1k	1k	20k	20k	--	6
780801	62.3	--	--	1k	200	1k	1k	20k	20k	--	6
780912	3.28	--	--	--	--	--	--	--	--	--	--
780912	29.5	--	--	--	--	--	--	--	--	--	--
780912	59.1	--	--	--	--	--	--	--	--	--	--
781012	3.28	--	--	1k	100	1k	1k	20k	20k	5k	5k
781012	29.5	--	--	1k	200	1k	1k	--	20	5k	5k
781012	59.1	--	--	1k	200	1k	1k	--	20	--	9

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 65. 1/CANADIAN WATER QUALITY DATA  
LAKE KOOCANUSA AT NORTH END  
STATION NO: 02001872

DATE	00003 SAMPLE DEPTH FEET	01000 ARSENIC AS, DISS UG/L	01040 COPPER CU, DISS UG/L	01042 COPPER CU, TOT UG/L	01045 IRON FE, TOT UG/L	01049 LEAD PB, DISS UG/L	01051 LEAD PB, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01090 ZINC ZN, DISS UG/L	01092 ZINC ZN, TOT UG/L
740827	0	5k	1k	--	200	1k	1k	20k	--	8	11
740827	26	5k	1k	--	200	1k	1k	20k	--	10	10
740926	3	--	--	--	200	--	--	20	--	--	--
740926	26	--	--	--	200	--	--	20	--	--	--
760812	3.28	5k	1k	--	800	1k	--	20k	--	5k	--
760812	21.3	--	--	--	--	--	--	20k	--	--	--
760812	39.4	5k	1k	--	800	1k	--	20k	--	5k	--
760909	3.28	--	--	--	--	--	--	20k	--	--	--
760909	26.2	--	--	--	--	--	--	20	--	--	--
780803	3.28	--	1k	1k	300	--	1	20k	20k	--	11
780803	23	--	1k	1k	300	1k	1k	20k	20k	--	9
780914	3.28	--	--	--	--	--	--	--	--	--	--
780914	23	--	--	--	--	--	--	--	--	--	--

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 66 LAKE KOOCANUSA AT FOREBAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
74/06/14	10 15	0229	4.6	143	0	150	35	1.8	169	167
	10 45	0010	0.8	125	0	120	19	1.9	134	133
	11 00	0005						2.5		
	11 15	0001						2.5		
74/06/28	11 00	0282	6.9	137	0	130	21	1.7	159	154
	11 30	0010	0.7	116	0	110	19	2.1	136	126
	12 00	0023						2.7		
	12 30	0001						3.4		
74/07/12	10 45	0300	3.1	124	0	120	21	2.7	133	134
	11 00	0010	1.1	109	0	100	12	2.4	108	111
	11 15	0004						2.6		
	11 30	0000						2.5		
74/07/26	10 30	0300	5.1	127	0	110	10	3.5	138	131
	10 45	0010	1.4	107	0	94	6	2.2	110	106
	11 15	0013						2.4		
	11 30	0001						2.5		
74/08/09	10 15	0300	2.7	105	0	95	9	2.4	107	107
	10 45	0030						3.1		
	11 00	0010	0.7	109	0	97	8	2.0	107	111
	11 15	0001						3.0		
74/08/23	10 00	0010	0.7	106	1	95	6	2.7	108	106
	11 00	0300	4.1	127	0	120	14	2.9	133	131
	11 30	0031						4.1		
	12 00	0003						3.7		
74/09/06	11 30	0300	2.2	109	0	98	9	8.8	106	110
	11 45	0010	0.7	106	1	94	6	6.2	104	105
	12 00	0035						4.4		
	12 15	0001						4.4		
74/09/20	11 15	0290	4.1	129	0	120	12	2.0	125	132
	11 45	0010	0.9	108	0	94	5	2.4	101	106
	12 45	0035						3.5		
	13 00	0001						1.3		
74/10/04	11 00	0300	5.1	128	0	120	17	3.5	137	
	11 15	0010	1.4	108	0	100	16	3.1	109	115
	11 30	0025						2.2		
	11 45	0001						6.8		

TABLE 66 LAKE KOOCANUSA AT FOREBAY OF LIBRY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
74/10/18	13 00	0283	6.8	134	0	120	14	5.5	137	139
	13 15	0010	1.4	110	0	100	13	4.0	108	112
	13 30	0030						2.1		
	13 45	0003						4.3		
74/11/01	10 45	0272	6.6	130	0	120	17	4.9	139	136
	11 00	0010	1.8	111	0	110	21	4.0	112	117
	11 15	0020						5.8		
	11 30	0001						3.6		
74/11/20	11 30	0257	8.9	139	0	120	7	4.0		138
	11 45	0010	1.4	111	0	110	14	4.2	113	113
	13 00	0003						2.7		
	13 15	0001						3.4		
75/04/18	11 30	0141	3.3	162	0	160	29	2.2	186	182
	12 30	0010	2.5	157	0	160	30	4.4	179	174
	13 00	0020						3.8		
	13 30	0001						2.6		
75/05/06	11 45	0142	1.7	165	0	170	37	2.3	202	197
	12 30	0010	1.3	159	0	160	30	3.2	184	179
	13 00	0013						7.2		
	13 30	0001						2.3		
75/05/20	12 15	0166	2.1	165	0	170	35	5.6	201	197
	12 30	0010	1.0	150	0	150	24	2.7	180	175
	13 00	0005						3.8		
	13 15	0001						4.7		
75/06/04	11 30	0195	2.6	161	0	170	42	2.2	198	195
	12 00	0010	1.1	138	0	140	25	3.6	169	161
	12 30	0005						2.6		
	13 00	0001						3.8		
75/06/25	12 30	0245	4.1	161	0	170	33	14.0	190	186
	12 45	0010	0.9	114	0	110	20	2.4	128	125
	13 00	0015						5.1		
	13 15	0001						3.9		
75/07/18	12 15	0283	1.6	155	0	170	39	11.0	186	183
	12 30	0010	1.3	103	0	100	17	2.6	113	113
	12 45	0020						2.1		
	13 00	0001						1.9		

TABLE 66 LAKE MOCCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00495 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/07/29	12 30	0288	5.1	160	0	170	35	1.5	176	186
	13 00	0010	0.7	107	0	98	10	1.9	110	112
	13 30	0025						1.6		
	13 45	0002						1.8		
75/08/12	11 00	0292	4.0	159	0	160	33	2.3	179	190
	11 30	0010	0.8	103	0	95	11	3.3	102	109
	12 00	0030						1.6		
	12 30	0002						1.4		
75/08/29	11 00	0300	5.0	156	0	160	32	1.7	183	179
	11 15	0010	1.7	105	0	97	11	1.9	110	108
	11 30	0030						4.7		
	11 45	0001						1.7		
75/09/10	11 15	0300	1.6	156	0	150	26	2.5	186	178
	11 30	0010	0.7	104	0	100	17	2.5	108	109
	12 00	0045						2.6		
	12 15	0025						1.7		
75/09/24	12 15	0300	1.2	148	0	150	29	1.8	186	171
	12 45	0010	1.1	107	0	100	14	1.6	119	112
	13 00	0020						2.0		
	13 15	0001						1.9		
75/10/09	10 30	0285	1.5	150	0	150	31	1.6	174	169
	11 00	0010	1.1	106	0	100	13	2.3	113	109
	11 15	0030						1.2		
	11 30	0001						1.1		
75/10/31	11 00	0300	1.5	152	0	160	32	4.8	182	175
	11 15	0010	1.1	104	0	100	16	2.6	110	110
	11 30	0025						10.0		
	11 45	0001						2.9		
76/04/20	12 30	0170	2.0	158	0	150	22	5.4	180	180
	13 00	0010	1.5	149	0	140	18	14.0	169	165
	13 15	0020						2.0		
	13 30	0002						1.5		
76/05/06	11 30	0184	2.0	158	0	150	25	2.0	185	176
	12 30	0010	0.9	147	0	140	20	3.3	171	163
	13 00	0015						2.8		
	13 30	0002						2.5		

TABLE 66 LAKE MOCCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00495 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
76/05/25	12 15	0248	3.8	151	0	150	30	2.9	178	175
	12 45	0010	0.8	132	0	130	18	4.5	150	148
	13 00	0020						2.9		
	13 15	0005						2.1		
76/06/04	11 00	0268	3.0	151	0	150	25	1.9	197	170
	12 30	0010	1.5	119	0	110	17	2.8	156	127
	13 00	0005						2.8		
	13 30	0001						2.1		
76/06/22	10 30	0010	0.6	114	0	110	13	2.7	131	116
	12 30	0281	3.0	149	0	150	29	1.5	185	166
	13 00	0020						5.4		
	13 30	0001						2.5		
76/07/09	11 00	0295	1.5	153	0	160	34	2.3	195	177
	11 30	0010	0.4	103	6	100	8	3.9	129	119
	12 00	0025						3.2		
	12 30	0001						3.6		
76/07/30	11 00	0305	2.4	148	0	150	30	2.3	161	168
	12 00	0010	0.4	109	0	100	14	1.9	102	110
	13 00	0035						8.7		
	13 30	0001						2.3		
76/08/11	12 00	0305	2.4	147	0	150	31	1.5	182	181
	12 30	0010	0.4	107	0	100	14	1.9	116	109
	13 00	0040						1.8		
76/08/31	11 00	0010	0.4	110	0	99	9	3.9	104	108
	12 30	0300	2.2	139	0	150	35	1.3	158	164
	13 00	0040						1.6		
	13 30	0001						2.8		
76/09/16	11 00	0304	2.9	146	0	140	20	1.5	165	160
	13 00	0010	0.5	108	0	100	12	1.2	114	108
	13 30	0050						1.9		
	14 00	0001						1.1		
76/09/29	10 30	0010	0.5	100	0	100	20	1.2	107	106
	11 00	0307	3.5	138	0	150	32	1.6	176	159
	13 00	0040						1.2		
	13 30	0001						1.4		
76/10/14	11 00	0010	0.9	109	0	100	14	1.1		110

TABLE 66 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
76/10/14	11 30	0300	3.8	148	0	150	26	2.1		164
	12 00	0002	0.9	109	0	100	11	1.2		109
76/10/26	11 30	0010						0.8		
	13 30	0002						0.8		
	14 00	0300						1.5		
77/05/04	13 00	0212						1.0		
	13 30	0010						1.5		
	13 45	0002						1.4		
77/05/24	12 00	0230						1.1		
	13 00	0010						1.0		
	13 30	0002						0.8		
77/06/13	11 30	0010						2.1		
	12 45	0250						0.8		
	13 15	0001						1.0		
77/06/29	11 00	0010	0.8	130	0	140	29	1.4		144
	11 30	0262	2.1	130	0	130	27	0.9		144
	12 30	0002	0.6	120	0	130	28	1.4		134
77/07/14	11 30	0010						1.1		
	12 00	0262						0.8		
	12 30	0002						1.1		
77/07/27	11 00	0010						1.3		
	11 30	0255						0.7		
	12 00	0002						1.1		
77/08/16	09 30	0258	2.8	140	0	130	15	0.9		151
	10 00	0010	0.6	120	2	110	9	1.9		128
	10 30	0002	0.5	110	7	110	13	1.1		129
77/08/31	12 30	0260						0.8		
	13 00	0002						1.8		
77/09/30	11 00	0010						0.6		
	11 30	0260						1.0		
	12 00	0002						0.7		
77/10/12	10 30	0010	0.6	120	0	120	21	1.9		131
	12 00	0255	3.6	140	0	140	25	0.9		155
	12 30	0002	0.6	120	0	120	24	1.1		134
77/10/26	10 30	0010						0.9		
	11 30	0254						0.8		

TABLE 66 LAKE KOOCANUSA AT FOREBAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
77/10/26	12 00	0002						0.4		
78/05/09	12 30	0214						2.0		
	12 45	0010						1.5		
	13 00	0002						1.7		
78/05/26	11 00	0010						2.0		
	11 30	0245						0.8		
	12 00	0002						2.1		
78/06/14	10 30	0010						2.6		
	11 00	0277						1.3		
	11 30	0002						2.8		
78/06/28	10 30	0010	0.6	120	1	120	19	2.0		130
	11 00	0290	2.4	150	0	160	35	1.2		174
	12 00	0002	0.6	120	1	120	19	1.8		131
78/06/29	13 00	0010				110	21	2.0		121
78/07/12	11 30	0010						2.3		
	12 00	0305						1.7		
	12 30	0002						2.0		
78/07/26	10 30	0010						1.6		
	12 30	0308						0.9		
	13 00	0002						1.5		
78/08/09	11 00	0010						2.8		
	11 30	0310						1.4		
	12 00	0002						2.3		
78/08/30	10 30	0010						1.7		
	11 00	0310						1.2		
	11 30	0002						1.7		
78/09/13	10 30	0010						1.9		
	11 00	0307						1.5		
	11 30	0002						2.0		
78/09/27	10 30	0010						2.1		
	11 00	0303						1.6		
	11 30	0002						1.7		
78/10/12	11 00	0010				100		1.3		
	11 30	0305				150		1.9		
	12 00	0002				100		1.7		
78/10/25	10 30	0010						1.3		

TABLE 66 LAKE KOCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
78/10/25	11 00	0302							1.5	
	11 30	0002							1.7	

TABLE 67 LAKE KOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
74/06/13	10 00	0176	3.2	125	0	120	16	1.8	121	132
	10 30	0010	0.8	123	0	120	15	2.2	117	130
	11 00	0005						1.7		
	11 15	0001						2.0		
74/06/27	12 30	0234	4.9	123	0	120	17		113	131
	13 00	0017						2.1		
	13 15	0010	0.6	121	0	110	14	4.2	123	127
	13 45	0003						7.4		
74/07/11	10 45	0250	1.9	120	0	110	16	2.1	130	126
	11 00	0010	0.6	107	1	100	14	2.0	115	116
	11 15	0005						2.7		
	11 30	0000						3.3		
74/07/25	11 30	0260	3.7	117	0	110	10	2.7	124	119
	12 00	0010	0.7	110	0	97	6	3.2	111	110
	13 00	0019						3.4		
	13 30	0002						3.5		
74/08/08	10 45	0260	3.0	117	0	110	12	4.9	116	119
	11 00	0025						2.1		
	11 30	0010	0.5	107	0	100	13	2.1	104	110
	11 45	0001	0.6	111	0	92	1	4.1	105	106
74/08/22	13 00	0259	3.7	117	0	110	9	2.2	120	117
	13 30	0010	0.7	108	0	97	9	5.5	108	107
	14 00	0031						2.0		
	14 30	0003						4.4		
74/09/03	11 45	0262	6.1	120	0	100	3	2.9	124	118
	12 00	0010	1.7	109	0	94	5	2.5	116	106
	12 30	0035						3.8		
	12 45	0001						2.9		
74/09/19	11 30	0258	4.9	121	0	110	15	2.3	115	127
	12 00	0010	0.9	108	0	100	13	1.3	98	112
	13 00	0038						1.3		
	13 15	0001						5.3		
74/10/03	11 30	0255	4.7	116	0	110	10	4.8	120	116
	12 00	0010	1.1	109	0	99	9	1.4	116	109
	12 15	0025						3.7		
	12 30	0001						1.9		
74/10/15	13 00	0241	6.4	126	0	120	14	5.2	123	128
	13 15	0010	1.1	112	0	110	17	1.5	113	116
	13 45	0034						3.4		
	14 00	0003						2.4		
74/10/29	10 45	0230	6.4	127	0	120	15	4.5	133	129
	11 15	0010	1.8	115	0	110	11	2.7	121	119
	11 30	0025						3.4		
	11 45	0001						5.3		
74/11/19	12 30	0214	4.9	122	0	120	20	2.4	126	127
	13 00	0010	1.5	118	0	110	13	2.3	120	120
	13 15	0016						1.9		
	13 30	0000						1.6		
75/04/16	12 45	0090	1.4	170	0	180	42	1.8	200	202
	13 15	0010	1.1	168	0	180	44	2.2	193	199
	13 30	0012						1.8		
	14 00	0001						4.0		
75/05/05	12 15	0065	1.4	170	0	180	45	1.8	214	208
	12 45	0010	1.3	164	0	180	41		211	202
	13 15	0005						7.9		
	13 45	0001						2.9		
75/05/21	12 15	0112	1.7	169	0	170	29	1.2	200	198
	12 30	0010	1.5	120	0	110	14	2.9	137	130
	13 00	0003						3.6		
	13 15	0001						7.8		
75/06/03	12 30	0132	1.7	164	0	160	24	2.3	193	190
	13 00	0010	0.9	117	0	110	12	3.1	130	128
	13 30	0005						3.1		
	14 00	0001						2.9		
75/06/24	12 30	0165	2.4	118	0	110	16	3.3	134	129
	12 45	0010	0.9	109	0	100	14	2.5	117	116
	13 00	0015						2.8		
	13 15	0001						2.9		
75/07/14	12 45	0210	1.4	107	0	110	18	1.9	124	116
	13 15	0010	0.6	97	0	97	17	2.7	118	112
	13 30	0020						2.7		
	13 45	0002						2.8		

TABLE 67 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HC03 ION HC03 MG/L	00445 CO3 ION CO3 MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/07/28	12 30	0250	4.1	103	0	94	9	2.0	112	107
	13 00	0010	0.7	106	0	98	11	1.8	103	110
	13 30	0030						1.4		
	13 45	0020						2.1		
75/08/11	12 30	0235	3.5	136	0	140	23	2.2	154	158
	13 00	0010	0.5	104	0	96	11	2.0	101	110
	13 30	0035						2.4		
	14 00	0002						4.4		
75/08/26	12 00	0248	6.7	133	0	130	22	2.1	152	148
	12 15	0010	0.7	104	0	99	13	2.4	108	108
	12 45	0030						1.4		
	13 00	0001						5.5		
75/09/09	11 30	0240	1.7	132	0	130	25	2.9	157	148
	12 00	0010	0.7	104	0	96	11	3.8	112	107
	12 15	0040						1.7		
	12 30	0002						3.8		
75/09/23	13 15	0239	1.7	106	0	110	23	2.6	126	117
	13 30	0010	1.0	101	0	100	21	4.9	113	109
	13 45	0020						2.1		
	14 00	0001						2.9		
75/10/06	11 30	0245	1.5	115	0	110	18	3.4	125	123
	12 00	0010	1.1	107	0	100	12	3.6	114	110
	13 00	0030						2.0		
	13 15	0001						2.5		
75/10/28	12 00	0232	0.9	111	0	110	14	2.1	125	115
	12 15	0010	1.1	110	0	110	15	1.6	122	114
	12 30	0030						1.4		
	12 45	0001						0.9		
76/04/12	13 00	0105	1.3	166	0	160	22	2.0	189	187
	13 30	0010	1.0	155	0	150	25	1.6	175	175
	14 00	0015						3.3		
	14 30	0002						2.0		
76/05/04	11 30	0127	2.0	159	0	150	19	2.8	168	176
	12 30	0010	1.4	142	0	140	21	2.8	157	159
	13 00	0005						1.5		
76/05/24	12 00	0179	3.8	148	0	150	31	1.6	155	171

TABLE 67 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HC03 ION HC03 MG/L	00445 CO3 ION CO3 MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
76/05/24	12 30	0010	1.6	122	0	120	24	2.5	123	136
	12 45	0020						2.2		
	13 00	0005						6.9		
76/06/03	11 00	0187	2.4	149	0	150	25	1.9	202	157
	11 30	0010	0.8	121	0	110	14	4.1	139	116
	13 00	0005						7.9		
	13 30	0001						2.8		
76/06/21	11 30	0225	2.6	160	0	150	18	2.1	185	172
	12 30	0010	0.7	116	0	110	13	3.2	131	120
	13 00	0015						2.0		
	13 30	0001						1.9		
76/07/06	11 30	0250	1.5	151	0	140	19	11.0	182	169
	12 00	0010	0.3	115	0	100	10	2.5	123	120
	13 00	0025						8.1		
	13 30	0002						2.9		
76/07/29	12 30	0245	2.2	140	0	140	28	1.7	148	157
	13 00	0010	0.4	116	0	100	13	2.0	100	111
	13 30	0030						1.9		
	14 00	0001						2.1		
76/08/09	12 00	0248	2.1	131	0	130	25	17.0	148	145
	12 30	0010	0.4	107	0	100	16	3.3	114	109
	13 00	0040						3.8		
	13 30	0001						1.8		
76/08/30	12 30	0245	1.8	114	0	120	24	1.6	135	124
	13 00	0010	0.3	102	0	100	20	1.9	116	107
	13 30	0040						5.6		
	14 00	0001						1.7		
76/09/14	10 30	0245	1.8	112	0	110	19	1.5	139	120
	12 30	0010	0.4	98	1	100	19	1.4	120	105
	13 00	0040						4.9		
	13 30	0001						1.7		
76/09/27	10 30	0010	0.6	109	0	100	11	1.5	107	108
	11 00	0245	2.1	104	0	110	20	1.5	113	109
	13 00	0040						1.5		
	13 30	0001						1.5		
76/10/12	10 30	0010	0.6	113	0	100	10	1.0		199



TABLE 67 LAKE KOCARUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 10M MG/L	00445 CO3 10M MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C C	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
76/10/12	11 00	0230	1.5	115	0	100	9	1.7		114
	12 30	0002	0.6	111	0	100	9	1.5		111
76/10/28	11 30	0010						1.5		
	11 30	0001						1.6		
	13 00	0230						1.5		
77/05/10	12 00	0170						1.0		
	12 15	0010						0.7		
	12 30	0001						1.3		
77/05/23	12 00	0010						1.1		
	13 00	0185						0.9		
	13 30	0002						1.0		
77/06/14	11 00	0010						1.3		
	12 00	0206						0.9		
	12 15	0002						1.2		
77/06/27	11 30	0010	0.4	130	0	130	22	1.6		101
	12 30	0219	1.8	140	0	140	25	1.0		150
	13 00	0002	0.4	130	0	130	21	1.5		135
77/07/11	12 00	0010						1.0		
	12 30	0214						0.2		
	13 00	0002						1.0		
77/07/25	11 30	0010						0.9		
	12 00	0218						2.0		
	12 30	0002						1.0		
77/08/15	13 00	0214						0.9		
	13 30	0010						1.0		
	14 00	0002						1.1		
77/08/29	11 30	0010						0.8		
	12 00	0210						0.9		
	12 30	0002						0.7		
77/09/12	11 30	0010						0.7		
	12 30	0210						0.9		
	13 00	0002						1.3		
77/09/28	12 30	0215						0.9		
	13 00	0010						0.8		
	13 30	0002						0.8		
77/10/11	12 00	0010	0.6	120	0	120	24	5.4		131

TABLE 67 LAKE KOCARUSA AT TENMILE CREEK, MI.  
USGS STATION NO. 12301830

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 10M MG/L	00445 CO3 10M MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C C	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
77/10/11	13 00	0207	2.8	140	0	150	30	0.9		156
	13 30	0002	0.6	120	0	120	21			130
77/10/25	11 00	0010						1.0		
	13 00	0203						2.2		
	13 30	0002						0.5		
78/05/08	13 00	0158						1.5		
	13 15	0010						2.4		
	13 30	0002						2.7		
78/05/25	11 30	0010						2.4		
	12 00	0187						1.6		
	12 30	0002						2.2		
78/06/13	11 00	0010						2.5		
	11 30	0220						1.6		
	12 00	0002						2.5		
78/06/27	11 00	0010	0.4	110	0	110	21	1.9		120
	11 30	0235	1.9	150	0	160	36	1.2		173
	12 00	0002	0.5	110	3	120	23	1.9		126
78/07/11	11 30	0010						2.5		
	12 00	0250						2.0		
	12 30	0002						2.2		
78/07/24	10 30	0010						1.8		
	11 00	0253						1.6		
	11 30	0002						1.5		
78/08/08	11 00	0010						1.7		
	11 30	0258						1.3		
	12 00	0002						1.5		
78/08/29	11 30	0010						1.7		
	12 00	0258						1.4		
	12 30	0002						1.7		
78/09/12	11 30	0010						1.8		
	12 00	0255						1.6		
	12 30	0002						1.8		
78/09/26	10 30	0010						1.8		
	11 00	0255						1.7		
78/10/10	11 30	0010				110		1.4		
	12 00	0251				150		2.8		

TABLE 67 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
78/10/10	12 30	0002				110		1.5		
78/10/23	11 30	0010						2.2		
	12 00	0245						2.3		
	12 30	0002						1.8		

TABLE 68 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT  
USGS STATION NO. 12301600

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
74/06/11	11 15	0113	0.9	117	0	110	9	2.5	120	116
	12 45	0010	0.9	116	0	110	13	2.9	128	120
	13 15	0005						2.3		
	13 30	0001						2.4		
74/07/10	10 15	0195	2.2	111	0	100	12	2.2	116	113
	10 45	0010	1.1	106	0	100	13	2.3	110	109
	11 00	0004						2.8		
	11 15	0000						3.1		
74/07/24	11 30	0201	2.8	110	0	100	11	2.5	111	111
	11 45	0010	0.7	105	1	100	12	2.4	113	110
	13 15	0017						1.7		
	13 30	0003						1.9		
74/08/07	10 30	0203	1.1	108	0	100	11	2.6	105	109
	11 00	0010	0.7	107	0	100	12	3.1	114	111
	11 15	0001						3.4		
74/08/21	11 30	0208	1.4	110	0	98	8	2.7	113	109
	12 00	0010	0.9	109	0	100	12	1.6	115	109
	12 15	0035						1.5		
	12 30	0003						2.3		
74/09/05	11 00	0202	2.8	110	0	99	9	4.1	103	109
	11 15	0010	1.4	109	0	99	9	2.1	103	109
	11 30	0035						2.4		
	11 45	0001						3.4		
74/09/18	11 00	0196	1.8	110	0	100	12		111	112
	11 30	0010	0.9	111	0	100	9	1.3	112	112
	11 45	0034						3.8		
	12 00	0001						6.4		
74/10/01	11 30	0194	2.8	112	0	96	4	4.6	109	110
	11 45	0010	1.5	115	0	110	12	1.5	115	122
	12 00	0025						1.6		
	12 15	0001						2.8		
74/10/16	12 45	0185	2.8	112	0	100	12	1.8	116	112
	13 30	0010	2.0	123	0	120	21	4.2	130	129
	13 45	0019						3.3		
	14 00	0003						1.7		
74/10/30	12 15	0167	2.8	137	0	130	17	4.8	127	146
74/10/30	12 30	0010	2.0	123	0	120	15	7.8	104	127
	12 45	0025						3.2		
	13 00	0001	1.9	120	0	110	14	5.4	101	124
74/12/03	15 00	0001	2.1	129	0	130	22	2.2	143	139
74/12/16	11 00	0001	1.3	126	0	120	14	3.2	133	132
75/01/02	13 00	0001	2.1	132	0	120	12	22.0	142	140
75/01/15	10 30	0001	3.5	137	0	140	23	5.0	145	147
75/01/28	12 00	0001	3.7	145	0	130	16	6.3	161	156
75/04/02	09 30	0001	4.4	175	0	190	42	3.4	219	220
75/05/07	12 30	0033	1.5	150	0	150	26	10.0	169	167
	13 00	0010	1.2	151	0	150	24	13.0	169	168
	13 30	0002						2.1		
	14 00	0000						4.4		
75/05/22	11 00	0055	1.1	112	0	100	8	3.2	117	114
	11 30	0010	1.1	112	0	110	16	2.7	113	117
	11 45	0003						4.5		
	12 00	0001						3.2		
75/06/05	10 30	0095	1.1	109	0	99	10	3.2	113	113
	11 00	0010	1.1	112	0	100	9	5.3	119	117
	11 30	0004						3.6		
	12 00	0001						2.7		
75/06/26	10 45	0137	1.6	98		90	10	2.3	103	101
	11 00	0010	1.6	101	0	93	10	2.2	106	106
	11 15	0005						2.0		
	11 30	0001						4.8		
75/07/15	13 00	0168	0.8	100	0	94	12	1.8	103	104
	13 15	0010	0.8	99	0	94	13	1.8	110	106
	13 30	0020						3.4		
	13 45	0001						1.8		
75/07/30	12 30	0180	2.1	102	0	100	18	1.3	111	107
	13 00	0010	0.5	101	0	99	16	1.3	108	103
	13 30	0020						1.3		
	13 45	0002						1.2		
75/08/14	13 00	0186	2.9	114	0	110	12	4.3	117	119
	13 30	0010	0.9	107	0	100	12	1.4	109	111
	14 00	0040						1.2		

TABLE 68 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT  
USGS STATION NO. 12301600

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE C MG/L	70301 DISS SOL SUM MG/L
75/08/14	14 30	0001						1.7		
75/08/28	10 45	0200	2.8	109	0	100	12	2.6	120	113
	11 00	0010	1.1	110	0	100	11	1.9	110	111
	11 15	0030						4.3		
	11 30	0001						1.5		
75/09/11	13 00	0195	2.1	106	0	100	14	1.6	112	110
	13 15	0010	1.4	108	0	110	19	2.1	115	115
	13 30	0035						1.7		
	13 45	0001						5.3		
75/09/25	10 45	0202	0.8	102	0	99	15	1.7	121	108
	11 00	0010	1.1	110	0	97	7	1.2	125	114
	11 15	0020						2.5		
	11 30	0001						1.9		
75/10/07	11 00	0190	1.1	108	0	100	12	5.0	111	109
	11 30	0010	1.1	110	0	100	12	5.0	114	113
	11 45	0030						2.0		
	12 00	0001						4.1		
75/10/30	10 15	0184	1.0	122	0	120	17	2.1	127	127
	10 30	0010	1.2	116	0	120	22	9.3	122	122
	10 45	0025						1.4		
	11 00	0001						1.9		
75/12/08	11 00	0001	1.2	118	0	120	21	9.0	133	128
75/12/23	10 00	0001	0.9	117	0	120	23	5.7	119	127
76/01/06	11 00	0001	1.0	130	0	130	20	3.2	135	144
76/01/20	10 30	0001	2.1	130	0	120	17	1.6	135	142
76/02/03	10 30	0001	1.5	144	0	140	18	4.8	158	158
76/03/19	11 00	0001	1.4	173	0	170	32	1.5	191	203
76/03/31	10 30	0001	1.4	171	0	170	27	2.0	201	194
76/05/05	11 30	0056	1.1	143	0	140	22	3.0	161	155
	12 30	0010	0.9	149	0	140	22	2.7	165	160
	13 00	0005						4.9		
	13 30	0001						3.1		
76/05/26	11 15	0119	1.2	118	0	100	8	3.3	128	116
	11 45	0010	1.1	110	0	100	10	8.8	133	119
	13 00	0005						2.4		
	13 15	0001						4.9		
76/06/24	10 30	0185	1.6	126	0	120	16	2.3	142	133
	11 00	0010	0.7	108	0	100	13	3.3	122	109
	11 30	0018						2.2		
	12 00	0001						1.8		
76/07/07	11 30	0198	1.1	132	0	130	20	4.1	155	147
	12 00	0010	0.4	112	0	100	9	2.3	119	113
	12 30	0015						2.8		
	13 00	0001						1.7		

TABLE 69 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE C MG/L	70301 DISS SOL SUM MG/L
74/06/12	10 00	0049	1.1	110	0	100	13	2.1	105	114
	10 30	0010	1.1	111	0	100	9		112	112
	10 45	0004						1.5		
74/06/25	12 15	0096	0.4	105	1	90	2	4.1	100	102
	12 45	0010	1.0	103	0	90	5	3.1	99	101
	13 30	0005						3.2		
	14 00	0001						4.0		
74/07/09	10 45	0108	1.7	106	0	100	13	1.4	93	108
	11 00	0010	1.4	107	0	97	10	2.3	97	108
	11 30	0003						2.0		
	11 45	0000						2.1		
74/07/23	12 30	0102	1.7	106	0	97	10	1.2	103	109
	13 00	0010	0.7	107	0	98	11	2.0	105	107
	14 00	0001						3.4		
74/08/06	10 00	0106	1.7	105	0	97	11	1.3	111	108
	10 30	0026						1.9		
	10 45	0010	0.9	108	0	99	11	2.3	111	110
	11 00	0002						2.2		
74/08/20	12 00	0119	1.1	112	0	100	11	1.7	119	113
	12 30	0010	0.7	109	0	100	11	1.7	199	110
	13 00	0031						1.7		
	13 30	0002						1.5		
74/09/04	11 30	0112	2.7	108	0	97	9	7.2	118	108
	11 45	0010	2.2	110	0	93	3	2.1	121	108
	12 00	0035						3.3		
	12 15	0001						4.0		
74/09/17	11 00	0122	1.8	110	0	100	12	1.7	109	112
	11 15	0010	0.9	112	0	100	12	4.0	114	114
	11 45	0035						1.3		
	12 00	0001						4.7		
74/10/02	10 45	0119	2.6	130	0	130	26		145	145
	11 15	0010	1.2	115	0	110	12	6.5	123	118
	11 30	0020						2.8		
	11 45	0001						4.2		
74/10/17	11 30	0104	2.1	134	0	140	28	2.1	143	147
	12 00	0010	1.5	120	0	110	14	4.8	124	125

TABLE 69 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
74/10/17	13 00	0025						3.2		
	13 15	0003						6.8		
74/10/31	10 45	0094	2.8	138	0	130	17	4.0	147	148
	11 00	0010	2.0	124	0	110	11	5.6	125	128
	11 15	0025						3.3		
	11 30	0001						2.5		
75/06/06	10 30	0026	1.0	99	0	86	4	9.0	103	99
	11 00	0010	1.0	100	0	87	5	3.6	98	101
	11 30	0002						4.1		
	12 00	0001						6.1		
75/06/27	11 15	0070	1.2	97	0	90	10	3.1	101	102
	11 30	0010	1.2	98	0	92	11	3.8	107	103
	11 45	0005						2.2		
	12 00	0001						1.6		
75/07/17	11 00	0060	1.3	101	0	100	17	0.8	106	105
	11 15	0010	1.0	103	0	96	12	1.7	112	106
	11 30	0015						1.6		
	11 45	0002						2.0		
75/07/31	10 00	0095	1.3	106	0	95	8	3.1	105	106
	10 30	0010	0.5	105	0	98	11	3.1	100	106
	11 00	0025						1.3		
	11 30	0002						2.6		
75/08/15	10 00	0099	3.2	101	0	92	9	1.3	104	104
	10 30	0010	0.8	105	0	100	15	1.3	111	111
	11 00	0035						1.6		
	11 30	0001						1.2		
75/08/27	11 00	0103	1.7	104	0	91	6	1.8	110	103
	11 15	0010	1.1	107	0	97	9	1.1	113	107
	11 30	0030						1.5		
	11 45	0001						2.1		
75/09/12	11 00	0094	1.1	109	0	110	22	4.2	121	119
	11 15	0010	0.8	105	0	110	21	3.6	116	113
	11 30	0035						2.5		
	12 00	0001						2.0		
75/09/26	11 00	0097	0.9	114	0	120	24	1.8	130	129
	11 15	0010	0.9	112	0	110	13	1.3	113	116

TABLE 69 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/09/26	11 30	0020						2.2		
	11 45	0001						5.8		
75/10/08	11 00	0085	0.8	120	0	120	23	1.3	125	129
	11 30	0010	1.2	114	0	110	12	8.3	120	117
	11 45	0030						1.2		
	12 00	0001						0.8		
75/10/29	09 45	0091	0.8	119	0	110	11	1.1	118	124
	10 00	0010	0.9	118	0	110	16	1.3	119	124
	10 15	0025						1.0		
	10 30	0001						1.6		
76/06/25	10 30	0075	0.7	108	0	90	2	1.4	109	102
	11 00	0010	0.7	106	0	96	9	2.5	120	105
	12 00	0001						1.7		
76/07/08	10 30	0085	0.4	107	0	95	8	10.0	114	107
	11 00	0010	0.2	107	3	99	6	5.9	118	112
	11 30	0015						2.3		
	12 00	0001						2.7		
76/07/28	13 00	0095	1.0	102	0	95	11	3.2	100	102
	13 30	0010	0.4	111	0	100	14	6.0	109	111
	14 00	0030						9.6		
	14 30	0001						3.0		
76/08/10	11 00	0100	0.8	102	0	100	20	6.4	119	108
	11 30	0010	0.4	106	0	110	18	1.6	110	110
	12 30	0025						1.5		
	13 00	0001						1.5		
76/09/02	10 30	0010	0.7	111	0	100	13	0.9	120	113
	12 30	0093	1.2	115	0	110	14	0.9	126	120
	13 00	0025						1.0		
	13 30	0001						1.3		
76/09/15	11 00	0099	1.4	109	0	110	22	1.0	126	123
	12 00	0010	0.8	101	0	100	18	1.0	115	106
	13 00	0040						3.9		
	13 30	0001						0.9		
76/09/28	10 00	0010	0.6	111	0	100	9	1.6	101	109
	10 30	0117	1.3	126	0	120	20	1.1	125	136
	11 00	0040						4.7		

TABLE 69 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405	00440	00445	00900	00902	00680	70300	70301
			CO2 MG/L	HCO3 ION MG/L	CO3 ION MG/L	TOT HARD MG/L	NC HARD MG/L	T ORG C MG/L	RESIDUE DISS-180 MG/L	DISS SOL SUM MG/L
76/09/28	11 30	0001						3.1		
76/10/13	10 30	0010	0.7	114	0	100	11	1.3		115
	11 00	0092	0.7	116	0	110	14	0.8		118
	11 30	0002	0.7	114	0	110	11	1.5		115
76/10/27	11 00	0010						0.5		
	11 30	0002						0.4		
	12 30	0085						1.1		
77/06/28	11 00	0010	0.4	110	0	110	20	3.2		119
	11 30	0093	1.8	110	0	110	23	0.5		123
	12 00	0002	0.4	110	0	110	23	1.2		121
77/07/12	11 00	0010						0.9		
	11 30	0083						0.9		
	12 00	0002						0.5		
77/07/26	12 00	0083						0.9		
	12 30	0002						1.0		
77/08/18	11 30	0080						1.1		
	12 00	0010						0.8		
	12 30	0002						1.5		
77/08/30	12 30	0092	1.3	130	0	130	27	0.8		146
	13 00	0092	0.5	120	1	120	23	1.4		135
	13 30	0085						1.9		
	14 00	0010						3.5		
77/09/13	11 00	0010						1.2		
	11 30	0084						0.9		
	12 00	0002						0.8		
77/09/24	10 30	0010						0.7		
	11 00	0083						0.7		
	11 30	0002						1.2		
78/06/29	10 30	0010	0.7	110	0	110	17	1.6		116
	11 00	0115	1.1	110	0	110	20	2.7		118
	11 30	0002	0.6	100	0	110	25	4.6		111
78/07/13	10 30	0010						2.3		
	11 00	0125						2.1		
	11 30	0002						2.3		
78/07/27	10 30	0010						4.9		
	11 30	0130						1.7		

TABLE 69 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00405	00440	00445	00900	00902	00680	70300	70301
			CO2 MG/L	HCO3 ION MG/L	CO3 ION MG/L	TOT HARD MG/L	NC HARD MG/L	T ORG C MG/L	RESIDUE DISS-180 MG/L	DISS SOL SUM MG/L
78/07/27	12 00	0002						2.1		
78/08/10	10 00	0010						1.7		
	10 30	0128						1.8		
	11 00	0002						1.5		
78/08/31	10 30	0010						1.6		
	11 00	0127						1.8		
	11 30	0092						1.5		
78/09/14	10 30	0010						2.1		
	11 00	0127						2.3		
	11 30	0002						1.4		
78/09/28	10 30	0010						1.5		
	11 00	0127						1.8		
	11 30	0002						1.4		
78/10/11	11 00	0010				110		1.8		
	11 30	0124				120		1.5		
	12 00	0002				120		1.3		
78/10/24	11 00	0010						1.3		
	11 30	0121						1.4		
	12 00	0002						1.2		

TABLE 70 LAKE KOOCANUSA AT FOREBAY NEAR LIRBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01515 ALPHA-D AS U-NAT PC/L	01516 ALPHA-S AS U-NAT PC/L	03515 BETA-D AS CS137 PC/L	03516 BETA-S AS CS137 PC/L	09510 RA-226-D PLCHT CT PC/L	09511 RA-226-D RADON MT PC/L	00030 ALPHA-D AS U-NAT UG/L	00040 ALPHA-S AS U-NAT UG/L	00020 U-DISS. EXT. FLR. UG/L	00050 BETA-D AS SR-Y-90, PC/L
72/07/24	12 45	0290	0.7	0.2	2.2	0.8		0.05	2.100	0.600	0.580	1.800
	13 30	0010	0.5	0.1 K	2.3	0.4 K		0.06	1.400	0.400 K	0.520	1.800
72/10/17	10 30	0223	1.0	0.1 K	2.0	0.4 K	0.1 K		2.900	0.400 K	0.490	1.600
	11 00	0010	1.0	0.1 K	1.8	0.4 K	0.1 K		2.900	0.400 K	0.410	1.400
73/04/24	09 30	0095			2.3	0.6		0.03	3.000	0.400	0.840	1.900
	09 45	0010			1.9	0.5		0.06	4.400	0.400 K	0.850	1.500
73/06/18	10 00	0221			2.2	0.4 K		0.06	3.400	0.400 K	0.730	1.800
	10 30	0010			1.8	0.4 K		0.05	2.500	0.400 K	0.530	1.500
73/08/13	11 00	0266			1.5	0.4 K		0.03	3.300 K	0.400 K	0.850	1.200
	11 30	0010			1.5	0.4 K		0.03	2.100 K	0.400 K	0.550	1.200
73/10/01	10 30	0235			1.7	0.4 K		0.05	2.100	0.400 K	0.520	1.300
	11 00	0010			1.6	0.4 K		0.03	2.200	0.400 K	0.520	1.300
74/05/21	10 30	0183			3.5	0.4 K		0.04	4.100	0.400 K	0.830	2.800
	11 00	0010			2.2	0.6		0.06	2.800	0.400 K	0.630	1.800

TABLE 70 LAKE KOOCANUSA AT FOREBAY NEAR LIRBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00060 BETA-S AS SR-Y-90, PC/L	00668 PHOS MUD DRY WGT MG/KG-P	00626 ORGAN. N MUD D WT MG/KG-N	00603 TOTAL N MUD D WT MG/KG-N	01003 ARSENIC SEDMG/KG DRY WGT	01023 R MUD DRY WGT MG/KG-R	01028 CD MUD DRY WGT MG/KG-CD	01029 CHROMIUM SEDMG/KG DRY WGT	01170 FF MUD DRY WGT MG/KG-FE	01052 LEAD SEDMG/KG DRY WGT
72/07/24	12 45	0290	0.700									
	13 30	0010	0.400 K									
72/10/17	10 30	0223	0.400 K									
	11 00	0010	0.400 K									
	13 00	0233		190.0	50.00		3.10	1.20	1.00	10.00	23999.95	27.00
73/04/24	09 30	0095	0.700									
	09 45	0010	0.500									
73/06/18	10 00	0221	0.400 K									
	10 30	0010	0.400 K									
	13 00	0231		200.0	600.00		3.00	6.00	2.00	7.00	10000.00	10.00
73/08/13	11 00	0266	0.400 K									
	11 30	0010	0.400 K									
73/10/01	10 30	0235	0.400 K									
	11 00	0010	0.400 K									
	13 00	0245		222.0		73.00	5.00	6.00	0.00	0.00	15000.00	20.00
74/05/21	10 30	0183	0.400 K									
	11 00	0010	0.600									
	12 00	0193		290.0	1700.00		4.00	8.00	10.00 K	5.00	11000.00	20.00

TABLE 70 LAKE KOOCANUSA AT FOREBAY NEAR LIRBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01503 ALPHA DISOLVFD PC/L	71921 MERCURY SEDMG/KG DRY WGT	01093 ZINC SEDMG/KG DRY WGT
72/10/17	13 00	0233		0.0	1500.00
73/06/18	13 00	0231		0.1	54.00
73/10/01	13 00	0245		0.0	78.00
74/05/21	12 00	0193		0.1	94.00

TABLE 71 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01515 ALPHA-D AS U-NAT PC/L	01516 ALPHA-S AS U-NAT PC/L	03515 BETA-D AS CS137 PC/L	03516 BETA-S AS CS137 PC/L	09510 RA-226-D PLCHT CT PC/L	09511 RA-226-D RADON MT PC/L	00030 ALPHA-D AS U-NAT UG/L	00040 ALPHA-S AS U-NAT UG/L	00020 U-DISS. EXT. FLR. UG/L	00050 BETA-D AS SR-Y-90, PC/L
72/07/25	12 45	0220	0.8	0.1 K	2.3	0.4 K		0.04	2.400	0.400 K		1.800
	13 15	0010	0.6	0.1 K	2.4	0.4 K		0.05	1.900	0.400 K		1.900
72/10/16	11 30	0165	0.7	0.1 K	2.2	0.4 K	0.1 K		2.200	0.400 K	0.550	1.800
	12 00	0010	0.8	0.1 K	2.0	0.4 K	0.1 K		2.500	0.400 K	0.450	1.600
73/04/25	09 30	0050			1.3	0.8		0.07	4.100	0.900	0.700	1.100
	10 00	0010			2.2	1.0		0.06	4.900	0.800	0.830	1.800
73/06/19	10 00	0177			1.7	0.6		0.05	2.800	0.400	0.460	1.400
	10 30	0010			1.7	0.4 K		0.03	3.700	0.400 K	0.550	1.400
73/08/14	11 30	0218			1.8	0.4 K		0.04	2.100 K	0.400 K	0.500	1.400
	12 00	0010			1.7	0.4 K		0.02	2.100 K	0.400 K	0.600	1.300
73/10/02	10 30	0186			1.8	0.4		0.04	3.800	0.400 K	0.550	1.500
	11 00	0010			2.2	0.4 K		0.04	3.200	0.400 K	0.570	1.800
	10 00	0140			2.2	1.1		0.05	2.000	1.600	0.670	1.800
	10 30	0010			2.0	0.7		0.05	2.900	0.400 K	0.670	1.600

TABLE 71 LAKE KOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00060 BETA-S AS SR-Y-90, PC/L	0066R PHOS MUD DRY WGT MG/KG-P	00626 ORGAN. N MUD D WT MG/KG-N	00603 TOTAL N MUD D WT MG/KG-N	01003 ARSENIC SEDMG/KG DRY WGT	01023 R MUD DRY WGT MG/KG-R	0102R CD MUD DRY WGT MG/KG-CD	01029 CHROMIUM SEDMG/KG DRY WGT	01170 FE MUD DRY WGT MG/KG-FE	0105P LEAD SEDMG/KG DRY WGT
72/07/25	12 45	0220	0.400 K									
	13 15	0010	0.400 K									
72/10/16	11 30	0165	0.400 K									
	12 00	0010	0.400 K									
72/11/13	14 00	010R		14.0	860.00		7.00	13.00	7.00	11.00	17999.96	44.00
73/04/25	09 30	0050	0.700									
	10 00	0010	0.900									
73/06/19	10 00	0177	0.600									
	10 30	0010	0.400 K									
	13 00	0187		40.0	1400.00		6.00	8.00	3.00	11.00	10000.00	60.00
73/08/14	11 30	021R	0.400 K									
	12 00	0010	0.400 K									
73/10/02	10 30	0186	0.400 K									
	11 00	0010	0.400 K									
	13 00	0196		129.0		0.00	8.00	5.00	0.00	20.00	24000.00	35.00
74/05/23	10 00	0140	0.900									
	10 30	0010	0.600									
	11 30	0150		160.0	920.00		7.00	9.00	10.00 K	6.00	12000.00	50.00

TABLE 71 LAKE KOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01503 ALPHA DISOLVFD PC/L	71021 MERCURY SEDMG/KG DRY WGT	01093 ZINC SEDMG/KG DRY WGT
72/11/13	14 00	010R		0.1	160.00
73/06/19	13 00	0187		0.1	160.00
73/10/02	13 00	0196		0.1	186.00
74/05/23	11 30	0150		0.1	170.00

TABLE 72 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01515 ALPHA-D AS U-NAT PC/L	01516 ALPHA-S AS U-NAT PC/L	03515 BETA-D AS CS137 PC/L	03516 BETA-S AS CS137 PC/L	09510 RA-226-D PLCHT CI PC/L	09511 RA-226-D RADUM MI PC/L	R0030 ALPHA-D AS U-NAT UG/L	R0040 ALPHA-S AS U-NAT UG/L	R0020 U-DISS. EXT. FLR. UG/L	R0050 BETA-D AS SR-Y-90, PC/L
72/07/26	13 15	0125	0.5	0.1 K	1.9	0.4 K			0.07	1.600	0.400 K	1.500
	13 30	0010	0.4 K	0.1 K	1.7	0.4 K			0.04	1.100 K	0.400 K	1.300
72/10/18	11 00	0092	1.6	0.1 K	2.5	0.4 K	0.1 K			4.700	0.400 K	2.000
	11 30	0010	1.8	0.1 K	2.2	0.4 K	0.1 K			5.300	0.400 K	1.800
73/06/20	10 00	0120			1.2	0.4 K		0.03	3.400	0.400 K	0.420	1.000
	10 30	0010			1.5	0.4 K		0.04	1.800 K	0.400 K	0.550	1.000
73/08/16	11 00	0160			1.7	0.4 K		0.03	2.200	0.400 K	0.610	1.300
	11 30	0010			1.8	0.5		0.04	3.200	0.400 K	0.570	1.400
73/09/10	11 00	0145			1.9	0.4 K		0.04	3.800	0.400 K	0.630	1.600
	11 30	0010			1.8	0.4 K		0.03	1.700 K	0.400 K	0.600	1.400
74/05/22	10 30	0076			2.5	0.6		0.07	2.900	0.400	0.620	2.000
	11 00	0010			2.2	0.9		0.05	3.500	0.400	0.600	1.800

TABLE 72 LAKE KOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	00060 BETA-S AS SR-Y-90, PC/L	0066R PHOS MUD DRY WGT MG/KG-P	00626 ORGAN. N MUD D WT MG/KG-N	00603 TOTAL N MUD D WT MG/KG-N	01003 ARSENIC SEDMG/KG DRY WGT	01023 R MUD DRY WGT MG/KG-R	0102R CD MUD DRY WGT MG/KG-CD	01029 CHROMIUM SEDMG/KG DRY WGT	01170 FE MUD DRY WGT MG/KG-FE	0105P LEAD SEDMG/KG DRY WGT
72/07/26	13 15	0125	0.400 K									
	13 30	0010	0.400 K									
72/10/18	11 00	0092	0.400 K									
	11 30	0010	0.400 K									
	13 00	0102		140.0	120.00		7.00	19.00	4.00	0.00	40999.92	79.00
73/06/20	10 00	0120	0.400 K									
	10 30	0010	0.400 K									
	13 00	0130		170.0	1100.00		3.00	5.00	2.00	9.00	14000.00	60.00
73/08/16	11 00	0160	0.400 K									
	11 30	0010	0.400 K									
73/09/10	11 00	0145	0.400 K									
	11 30	0010	0.400 K									
	13 30	0155		162.0		890.00	7.00	6.00	2.00	6.00	8500.00	50.00
74/05/22	10 30	0076	0.600									
	11 00	0010	0.800									
	11 30	0086		44.0	750.00		6.00	9.00	10.00 K	6.00	9800.00	40.00

TABLE 72 LAKE KOOCANUSA BELOW PTNKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01503 ALPHA DISOLVED PC/L	71921 MERCURY SEDMG/KG DRY WGT	01093 ZINC SEDMG/KG DRY WGT
72/10/18	13 00	0102		0.1	340.00
73/06/20	13 00	0130		0.1	120.00
73/09/10	13 30	0155		0.2	116.00
74/05/22	11 30	0086		0.0	130.00

TABLE 73 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01515 ALPHA-D AS U-NAT PC/L	01516 ALPHA-S AS U-NAT PC/L	03515 HFIA-D AS CS137 PC/L	03516 HFIA-S AS CS137 PC/L	09510 PA-226-D PLCHT CT PC/L	09511 RA-226-D RADON MT PC/L	80030 ALPHA-D AS U-NAT UG/L	80040 ALPHA-S AS U-NAT UG/L	80020 U-DISS. EXT. FLR. UG/L	80050 HFIA-D AS SR-Y-90, PC/L
72/07/27	10 00	0085	0.8	0.1 K	1.8	0.4 K		0.07	2.300	0.400 K		1.400
	10 15	0010	0.5	0.1 K	1.8	0.4 K		0.06	1.400	0.400 K		1.500
72/10/19	11 00	0023	1.3	0.1 K	2.0	0.4	0.1 K		4.000	0.400 K	0.580	1.600
	11 30	0010	1.7	0.1 K	2.3	0.4 K	0.1 K		5.100	0.400 K	0.560	1.800
73/06/21	10 30	0053			1.5	0.4 K		0.05	2.200	0.400 K	0.470	1.200
	11 00	0010			1.6	0.4 K		0.05	2.900	0.400 K	0.460	1.300
73/08/15	11 00	0095			1.9	0.4 K		0.07	2.600	0.400 K	0.610	1.500
	11 30	0010			1.7	0.4 K		0.03	3.200	0.400 K	0.450	1.400
73/09/12	10 00	0077			2.2	0.4 K		0.05	2.800	0.400 K	0.720	1.800
	10 30	0010			1.8	0.4 K		0.04	2.100 K	0.400 K	0.600	1.400
74/05/24	10 00	0001			6.3	1.1		0.04	2.100	1.300	0.630	5.000

TABLE 73 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	80060 HFIA-S AS SR-Y-90, PC/L	00668 PHOS MUD DRY WGT MG/KG-P	00626 ORGAN. N MUD D WT MG/KG-N	00603 TOTAL N MUD D WT MG/KG-N	01003 ARSENIC SEDMG/KG DRY WGT	01023 R MUD DRY WGT MG/KG-R	01028 CD MUD DRY WGT MG/KG-CD	01029 CHROMIUM SEDMG/KG DRY WGT	01170 FE MUD DRY WGT MG/KG-FE	01052 LEAD SEDMG/KG DRY WGT
72/07/27	10 00	0085	0.400 K									
	10 15	0010	0.400 K									
72/10/19	11 00	0023	0.400 K									
	11 30	0010	0.400 K									
	13 00	0033		720.0	90.00		5.30	10.00	2.00	0.00	29999.94	45.00
73/06/21	10 30	0053	0.400 K									
	11 00	0010	0.400 K									
	13 30	0063		13.0	1100.00		3.00	10.00	2.00	8.00	10000.00	40.00
73/08/15	11 00	0095	0.400 K									
	11 30	0010	0.400 K									
73/09/12	10 00	0077	0.400 K									
	10 30	0010	0.400 K									
	12 00	0087		17.0		930.00X	9.00	11.00	2.00	66.00	7300.00	45.00
74/05/24	10 00	0001	0.900									

TABLE 73 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	01503 ALPHA DISOLVED PC/L	71921 MERCURY SEDMG/KG DRY WGT	01093 ZINC SEDMG/KG DRY WGT
72/10/19	13 00	0033		0.1	200.00
73/06/21	13 30	0063		0.1	100.00
73/09/12	12 00	0087		0.1	122.00



TABLE 74 LAKE KOUCANUSA AT FORERAY OF LITBY DAM, MT.  
USGS STATION NO. 12301919

CDF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDD /100ML	31503 TOT COLI MFDLEDD /100ML	31516 FEC COLI MFM-FCCR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
72/06/27	10 15	0260	0F					
	11 00	0010	13F					
72/07/24	12 45	0290	0F					
	13 30	0010	0F					
72/08/28	10 45	0274	280F					
	11 00	0010	400F					
72/09/25	12 30	0259	60F					
	12 45	0010	220F					
72/10/17	10 30	0223	89F					
	11 00	0010	100F					
72/11/14	10 30	0155	6F					
	10 45	0010	2F					
73/04/24	09 30	0095	0F					
	09 45	0010	0F					
73/05/21	12 30	0150	0F					
	13 00	0010	0F					
73/06/18	10 00	0221	0F					
	10 30	0010	0F					
73/07/16	12 30	0256	98F					
	13 00	0010	880F					
73/08/13	11 00	0266	110F					
	11 30	0010	1200F					
73/09/13	10 30	0250	90F					
	11 00	0010	140F					
73/10/16	12 00	0227	0F					
	12 30	0010	27					
73/11/28	10 00	0214	20					
	10 30	0010	3					
74/04/23	11 00	0163	1					
	11 30	0010	0					
74/05/21	10 30	0183	0					
	11 00	0010	0					
74/06/14	10 45	0010					0.005	0.002
	11 00	0005					0.001	0.002
	11 15	0001					0.000	0.000
74/06/28	11 30	0010					0.000	0.000

TABLE 74 LAKE KOUCANUSA AT FORERAY OF LITBY DAM, MT.  
USGS STATION NO. 12301919

CDF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDD /100ML	31503 TOT COLI MFDLEDD /100ML	31516 FEC COLI MFM-FCCR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
74/06/28	12 00	0023					0.001	0.001
	12 30	0001					0.001	0.000
74/07/12	11 00	0010					0.000	0.001
	11 15	0004					0.001	0.000
	11 30	0000					0.000	0.000
74/07/26	11 15	0013					0.001	0.000
	11 30	0001					0.001	0.001
74/08/09	10 45	0030					0.000	0.000
	11 00	0010					0.000	0.000
	11 15	0001					0.000	0.000
74/08/23	10 00	0010					0.000	0.000
	11 30	0031					0.001	0.000
	12 00	0003					0.000	0.000
74/09/06	11 30	0300					0.000	0.000
	11 45	0010					0.001	0.001
	12 00	0035					0.001	0.001
74/09/20	11 45	0010					0.001	0.001
	12 45	0035					0.001	0.001
	13 00	0001					0.001	0.001
74/10/04	11 15	0010					0.001	0.001
	11 30	0025					0.001	0.001
	11 45	0001					0.001	0.001
74/10/18	13 15	0010					0.001	0.000
	13 30	0030					0.000	0.000
	13 45	0003					0.001	0.000
74/11/01	11 00	0010					0.001	0.001
	11 15	0020					0.001	0.001
	11 30	0001					0.001	0.001
74/11/20	11 45	0010					0.002	0.002
	13 00	0003					0.000	0.000
	13 15	0001					0.000	0.000
75/04/18	12 30	0010					0.000	0.000
	13 00	0020					0.008	0.002
	13 30	0001					0.008	0.003
75/05/06	12 30	0010					0.005	0.002
	13 00	0013					0.004	0.001

TABLE 74 LAKE KOOCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
75/05/06	13 30	0001					0.004	0.001
75/05/20	12 30	0010					0.002	0.003
	13 00	0005					0.003	0.001
	13 15	0001					0.003	0.001
75/06/04	12 00	0010					0.001	0.001
	12 30	0005					0.002	0.001
	13 00	0001					0.001	0.001
75/06/25	13 00	0015					0.001	0.001
	13 15	0001					0.001	0.001
75/07/18	12 30	0010					0.002	0.003
	12 45	0020					0.001	0.002
	13 00	0001					0.001	0.002
75/07/29	13 00	0010					0.002	0.003
	13 30	0025					0.002	0.003
	13 45	0002					0.003	0.003
75/08/12	11 30	0010					0.001	0.001
	12 00	0030					0.002	0.003
	12 30	0002					0.001	0.001
75/08/29	11 15	0010					0.000	0.001
	11 30	0030					0.001	0.002
	11 45	0001					0.001	0.001
75/09/10	11 30	0010					0.001	0.002
	12 00	0045					0.002	0.002
	12 15	0025					0.002	0.002
75/09/24	12 45	0010					0.001	0.001
	13 00	0020					0.000	0.000
	13 15	0001					0.001	0.000
75/10/09	11 00	0010					0.001	0.001
	11 15	0030					0.002	0.003
	11 30	0001					0.002	0.003
75/10/31	11 15	0010					0.006	0.009
	11 30	0025					0.000	0.000
	11 45	0001					0.002	0.002
76/05/06	12 30	0010					0.006	0.000
	13 00	0015					0.005	0.000
	13 30	0002					0.004	0.000

TABLE 74 LAKE KOOCANUSA AT FORERAY OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
76/05/25	12 45	0010					0.006	0.000
	13 00	0020					0.006	0.000
	13 15	0005					0.005	0.000
76/06/04	12 30	0010					0.000	0.000
	13 00	0005					0.000	0.000
	13 30	0001					0.000	0.000
76/06/22	10 30	0010					0.000	0.000
	13 00	0020					0.011	0.000
	13 30	0001					0.000	0.000
76/07/09	11 30	0010					0.000	0.000
	12 00	0025					0.000	0.000
	12 30	0001					0.000	0.000
76/07/30	12 00	0010					0.004	0.002
	13 00	0035					0.000	0.000
	13 30	0001					0.003	0.000
76/08/11	12 30	0010					0.003	0.001
	13 00	0040					0.000	0.000
	13 30	0001					0.004	0.002
76/08/31	11 00	0010					0.000	0.000
	13 00	0040					0.002	0.001
	13 30	0001					0.010	0.005
76/09/16	13 00	0010					0.000	0.000
	13 30	0050					0.000	0.000
	14 00	0001					0.013	0.010
76/09/29	10 30	0010					0.002	0.001
	13 00	0040					0.004	0.003
	13 30	0001					0.004	0.002
76/10/14	11 00	0010					0.000	0.000
	11 30	0300					0.000	0.000
	12 00	0002					0.000	0.000
76/10/26	11 30	0010					0.000	0.000
	12 00	0040					0.000	0.000
	13 30	0002					0.000	0.000
77/05/04	13 30	0010					0.003	0.000
	13 45	0002					0.001	0.000
	14 00	0023					0.001	0.000

TABLE 74 LAKE KOOCANUSA AT FURBER OF LIBBY DAM, MT.  
USGS STATION NO. 12301919

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFMENDU /100ML	TOT COLI MFDLENDU /100ML	FEC COLI MFM-FCRR /100ML	MHAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
77/05/24	12 15	0035					0.000	0.000
	13 00	0010					0.001	0.000
	13 30	0002					0.000	0.000
77/06/29	12 30	0002					0.002	0.001
	13 00	0030					0.002	0.000
77/07/14	11 30	0010					0.000	0.000
	12 30	0002					0.000	0.000
	13 00	0040					0.000	0.000
77/08/16	10 00	0010					0.000	0.000
	10 30	0002					0.000	0.000
	11 00	0035					0.000	0.000
77/08/31	11 00	0010					0.000	0.000
	13 00	0002					0.000	0.000
	13 30	0040					0.000	0.000
77/09/30	11 00	0010					0.000	0.000
	12 00	0002					0.000	0.000
	12 30	0050					0.000	0.000
77/10/12	10 30	0010					0.001	0.000
	12 30	0002					0.002	0.001
	13 00	0045					0.001	0.000
77/10/26	10 30	0010					0.001	0.000
	12 00	0002					0.000	0.000
	12 30	0045					0.001	0.000
78/05/09	12 45	0010					0.003	0.000
	13 00	0002					0.002	0.000
	13 15	0040					0.002	0.000

TABLE 75 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFMENDU /100ML	TOT COLI MFDLENDU /100ML	FEC COLI MFM-FCRR /100ML	MHAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
72/06/27	13 15	0190	0F					
	14 00	0010	53F					
72/07/25	12 45	0220	0F					
	13 15	0010	0F					
72/08/29	10 15	0212	370F					
	10 30	0010	2F					
72/09/26	10 15	0201	80F					
	10 30	0010	25F					
72/10/16	11 30	0165	110F					
	12 00	0010	35F					
72/11/13	12 30	0098	0F					
	12 45	0010	8F					
73/03/14	13 00	0062	100F					
	13 30	0010	0F					
73/04/25	09 30	0050	2F					
	10 00	0010	0F					
73/05/23	10 00	0110	5F					
	10 30	0010	7F					
73/06/19	10 00	0177	23F					
	10 30	0010	100F					
73/07/17	11 00	0210	130F					
	11 30	0010	630F					
73/08/14	11 30	0218	560F					
	12 00	0010	370F					
73/10/16	13 30	0180	7					
	14 00	0010	5					
73/11/29	10 30	0170	4					
	11 00	0010	21					
74/04/25	10 30	0116	8					
	11 00	0010	1					
74/05/23	10 00	0140	0					
	10 30	0010	75					
74/06/13	11 15	0001					0.001	0.001
74/06/27	13 00	0017					0.001	0.001
	13 15	0010					0.001	0.000
	13 45	0003					0.000	0.000

TABLE 75 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFIMENDO /100ML	TOT COLI MFDLEND0 /100ML	FEC COLI MFM-FCBR /100ML	MBAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
74/07/11	11 00	0010					0.001	0.000
	11 15	0005					0.001	0.000
	11 30	0000					0.001	0.000
74/07/25	12 00	0010					0.001	0.000
	13 00	0019					0.001	0.000
	13 30	0002					0.001	0.001
74/08/08	11 00	0025					0.004	0.006
	11 30	0010					0.000	0.000
	11 45	0001					0.000	0.000
74/08/22	13 30	0010					0.001	0.000
	14 00	0031					0.001	0.000
	14 30	0003					0.000	0.000
74/09/03	12 00	0010					0.000	0.000
	12 30	0035					0.000	0.000
	12 45	0001					0.000	0.001
74/09/19	12 00	0010					0.001	0.001
	13 00	0038					0.001	0.001
	13 15	0001					0.001	0.002
74/10/03	12 00	0010					0.001	0.002
	12 15	0025					0.001	0.000
	12 30	0001					0.001	0.001
74/10/15	13 15	0010					0.001	0.000
	13 45	0034					0.001	0.001
	14 00	0003					0.001	0.000
74/10/29	11 15	0010					0.001	0.001
	11 30	0025					0.001	0.001
	11 45	0001					0.001	0.001
74/11/19	13 00	0010					0.001	0.001
	13 15	0016					0.000	0.000
	13 30	0000					0.001	0.001
75/04/16	13 15	0010					0.015	0.004
	13 30	0012					0.014	0.005
	14 00	0001					0.015	0.004
75/05/05	12 45	0010					0.002	0.000
	13 15	0005					0.002	0.000
	13 45	0001					0.003	0.001

TABLE 75 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFIMENDO /100ML	TOT COLI MFDLEND0 /100ML	FEC COLI MFM-FCBR /100ML	MBAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
75/05/21	12 30	0010					0.001	0.001
	13 00	0003					0.000	0.001
	13 15	0001					0.000	0.000
75/06/03	13 00	0010					0.001	0.000
	13 30	0005					0.003	0.001
	14 00	0001					0.001	0.000
75/06/24	12 45	0010					0.001	0.000
	13 00	0015					0.002	0.002
	13 15	0001					0.003	0.000
75/07/14	13 15	0010					0.001	0.002
	13 30	0020					0.003	0.004
	13 45	0002					0.002	0.002
75/07/28	13 00	0010					0.003	0.003
	13 30	0030					0.002	0.002
	13 45	0020					0.003	0.005
75/08/11	13 00	0010					0.002	0.003
	13 30	0035					0.000	0.001
	14 00	0002					0.001	0.002
75/08/26	12 15	0010					0.001	0.001
	12 45	0030					0.002	0.002
	13 00	0001					0.000	0.001
75/09/09	12 00	0010					0.001	0.001
	12 15	0040					0.001	0.001
	12 30	0002					0.000	0.001
75/09/23	13 30	0010					0.001	0.001
	13 45	0020					0.001	0.001
	14 00	0001					0.001	0.002
75/10/06	12 00	0010					0.003	0.003
	13 00	0030					0.003	0.003
	13 15	0001					0.002	0.002
75/10/28	12 15	0010					0.001	0.000
	12 45	0001					0.001	0.001
76/04/12	13 30	0010					0.000	0.000
	14 00	0015					0.003	0.000
	14 30	0002					0.000	0.000
76/05/04	12 30	0010					0.000	0.000

TABLE 75 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFTMENDU /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCAR /100ML	38260 MHAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL H MG/L
76/05/04	13 00	0005					0.002	0.000
	13 30	0001					0.001	0.000
76/05/24	12 30	0010					0.000	0.000
	12 45	0020					0.000	0.000
	13 00	0005					0.000	0.000
76/06/03	11 30	0010					0.000	0.000
	13 00	0005					0.000	0.000
	13 30	0001					0.000	0.000
76/06/21	12 30	0010					0.000	0.000
	13 00	0015					0.000	0.000
	13 30	0001					0.000	0.000
76/07/06	12 00	0010					0.000	0.000
	13 00	0025					0.002	0.000
	13 30	0002					0.000	0.000
76/07/29	13 00	0010					0.000	0.000
	13 30	0030					0.000	0.000
	14 00	0001					0.000	0.000
76/08/09	12 30	0010					0.004	0.001
	13 00	0040					0.000	0.000
	13 30	0001					0.007	0.006
76/08/30	13 00	0010					0.001	0.000
	13 30	0040					0.000	0.000
	14 00	0001					0.001	0.000
76/09/14	12 30	0010					0.002	0.001
	13 00	0040					0.002	0.000
	13 30	0001					0.003	0.001
76/09/27	10 30	0010					0.002	0.001
	13 00	0040					0.000	0.000
	13 30	0001					0.001	0.000
76/10/12	10 30	0010					0.000	0.000
	11 00	0230					0.000	0.000
	12 30	0002					0.000	0.000
76/10/28	11 00	0010					0.000	0.000
	11 30	0001					0.000	0.000
	12 00	0040					0.001	0.000
77/05/10	12 15	0010					0.000	0.000

TABLE 75 LAKE KOOCANUSA AT TENMILE CREEK, MT.  
USGS STATION NO. 12301830

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFTMENDU /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCAR /100ML	38260 MHAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL H MG/L
77/05/10	12 30	0001					0.001	0.000
	12 45	0030					0.001	0.000
77/05/23	12 00	0010					0.000	0.000
	13 30	0002					0.000	0.000
	14 00	0035					0.001	0.000
77/06/14	11 00	0010					0.003	0.001
	12 15	0002					0.002	0.000
	12 30	0025					0.005	0.000
77/06/27	11 30	0010					0.005	0.000
	13 00	0002					0.003	0.000
	13 30	0020					0.009	0.006
77/07/11	12 00	0010					0.000	0.000
	13 00	0002					0.000	0.000
	13 30	0040					0.000	0.000
77/08/15	13 30	0010					0.001	0.000
	14 00	0002					0.000	0.000
	14 30	0035					0.000	0.000
77/08/29	11 30	0010					0.000	0.000
	12 30	0002					0.000	0.000
	13 00	0040					0.000	0.000
77/09/12	11 30	0010					0.000	0.000
	12 45	0040					0.000	0.000
	13 00	0002					0.001	0.000
77/09/28	13 00	0010					0.000	0.000
	13 30	0002					0.000	0.000
	14 00	0040					0.000	0.000
77/10/11	12 00	0010					0.001	0.000
	13 30	0002					0.001	0.000
	14 00	0050					0.002	0.001
77/10/25	11 00	0010					0.000	0.000
	13 30	0002					0.001	0.000
	14 00	0045					0.001	0.000
78/05/08	13 00	0158					0.003	0.000
	13 15	0010					0.001	0.000
	13 30	0002					0.004	0.000

TABLE 76 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFIMENDO /100ML	TOT COLI MFDLEND0 /100ML	FEC COLI MFM-FCRR /100ML	MBAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
72/06/28	08 45	0131	0F					
	09 15	0010	40F					
72/07/26	13 15	0125	15F					
	13 30	0010	49F					
72/08/30	10 15	0160	100F					
	10 30	0010	270F					
72/09/27	10 45	0137	57F					
	11 00	0010	58F					
72/10/18	11 00	0092	28F					
	11 30	0010	18F					
72/11/15	10 30	0026	110F					
	10 45	0010	80F					
72/12/20	10 00	0001	430F					
73/01/17	13 00	0001	150F					
73/02/22	10 00	0001	130F					
73/03/30	09 30	0001	130F					
73/04/26	09 00	0001	100F					
73/05/22	10 00	0045	130F					
	10 30	0010	62F					
73/06/20	10 00	0120	32F					
	10 30	0010	430F					
73/07/19	11 00	0121	1700F					
	11 30	0010	310F					
73/08/16	11 00	0160	410F					
	11 30	0010	290F					
73/09/10	11 00	0145	30F					
	11 30	0010	190F					
73/10/15	12 30	0119	37					
	13 00	0010	12					
73/11/30	10 30	0110	40					
	11 00	0010	110					
74/04/24	11 00	0052	22					
	11 30	0010	160					
74/05/22	10 30	0076	34					
	11 00	0010	22					
74/06/11	12 45	0010				0.001	0.002	

TABLE 76 LAKE KOOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	38260	32230	32231
			TOT COLI MFIMENDO /100ML	TOT COLI MFDLEND0 /100ML	FEC COLI MFM-FCRR /100ML	MBAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
74/06/11	13 15	0005					0.001	0.004
	13 30	0001					0.000	0.003
74/07/10	10 45	0010					0.001	0.002
	11 00	0004					0.002	0.001
	11 15	0000					0.000	0.000
74/07/24	11 45	0010					0.001	0.003
	13 15	0017					0.001	0.000
	13 30	0003					0.000	0.001
74/08/07	10 45	0026					0.000	0.000
	11 00	0010					0.000	0.000
	11 15	0001					0.001	0.000
74/08/21	12 00	0010					0.001	0.001
	12 15	0035					0.001	0.001
	12 30	0003					0.001	0.000
74/09/05	11 15	0010					0.001	0.000
	11 30	0035					0.001	0.000
	11 45	0001					0.001	0.000
74/09/18	11 30	0010					0.000	0.000
	11 45	0034					0.001	0.001
	12 00	0001					0.000	0.000
74/10/01	11 45	0010					0.001	0.001
	12 00	0025					0.001	0.000
	12 15	0001					0.001	0.001
74/10/16	13 30	0010					0.000	0.000
	13 45	0019					0.001	0.002
	14 00	0003					0.001	0.001
74/10/30	12 30	0010					0.001	0.000
	12 45	0025					0.001	0.000
	13 00	0001					0.001	0.000
74/12/03	15 00	0001					0.001	0.000
74/12/16	11 00	0001					0.000	0.001
75/01/02	13 00	0001					0.000	0.001
75/01/15	10 30	0001					0.001	0.002
75/01/28	12 00	0001					0.000	0.000
75/04/02	09 30	0001					0.001	0.000
75/05/07	13 00	0010					0.007	0.002

TABLE 76 LAKE KODOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	34260	32230	32231
			TOT COLI MFMENDO /100ML	TOT COLI MFDLENDU /100ML	FEC COLI MFM-FCRR /100ML	MHAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
75/05/07	13 30	0002					0.001	0.001
	14 00	0000					0.006	0.000
75/05/22	11 30	0010					0.000	0.000
	11 45	0003					0.000	0.001
	12 00	0001					0.001	0.001
75/06/05	11 00	0010					0.003	0.004
	11 30	0004					0.001	0.001
	12 00	0001					0.001	0.001
75/06/26	11 00	0010					0.000	0.000
	11 15	0005					0.001	0.001
	11 30	0001					0.002	0.001
75/07/15	13 15	0010					0.001	0.002
	13 30	0020					0.003	0.004
	13 45	0001					0.000	0.000
75/07/30	13 00	0010					0.002	0.001
	13 30	0020					0.002	0.002
	13 45	0002					0.002	0.004
75/08/14	13 30	0010					0.001	0.001
	14 00	0040					0.002	0.004
	14 30	0001					0.001	0.001
75/08/28	11 00	0010					0.001	0.001
	11 15	0030					0.000	0.001
	11 30	0001					0.001	0.002
75/09/11	13 15	0010					0.002	0.003
	13 30	0035					0.002	0.002
	13 45	0001					0.003	0.002
75/09/25	11 00	0010					0.001	0.001
	11 15	0020					0.002	0.002
	11 30	0001					0.001	0.001
75/10/07	11 30	0010					0.002	0.002
	11 45	0030					0.002	0.003
	12 00	0001					0.002	0.002
75/10/30	10 30	0010					0.003	0.004
	10 45	0025					0.008	0.012
	11 00	0001					0.000	0.000
75/12/08	11 00	0001					0.002	0.001

TABLE 76 LAKE KODOCANUSA BELOW PINKHAM CREEK, MT.  
USGS STATION NO. 12301600

CUF/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501	31503	31616	34260	32230	32231
			TOT COLI MFMENDO /100ML	TOT COLI MFDLENDU /100ML	FEC COLI MFM-FCRR /100ML	MHAS MG/L	CHLRPHYL A MG/L	CHLRPHYL B MG/L
75/12/23	10 00	0001					0.003	0.002
76/01/06	11 00	0001					0.004	0.005
76/01/20	10 30	0001					0.001	0.001
76/03/19	11 00	0001					0.002	0.000
76/03/31	10 30	0001					0.001	0.001
76/05/05	12 30	0010					0.002	0.000
	13 00	0005					0.000	0.000
	13 30	0001					0.000	0.000
76/05/26	11 45	0010					0.000	0.000
	13 00	0005					0.000	0.000
	13 15	0001					0.000	0.000
76/06/24	11 00	0010					0.000	0.000
	11 30	0018					0.000	0.000
	12 00	0001					0.000	0.000
76/07/07	12 00	0010					0.002	0.000
	12 30	0015					0.004	0.000
	13 00	0001					0.000	0.000

TABLE 77 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFIENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
72/06/28	11 30	0066	OF					
	12 00	0010	47F					
72/07/27	10 00	0085	687F					
	10 15	0010	300F					
72/08/31	10 15	0082	2F					
	10 30	0010	14F					
72/09/28	10 30	0069	28F					
	10 45	0010	22F					
72/10/19	11 00	0023	92F					
	11 30	0010	18F					
72/11/15	16 30	0001	130F					
73/05/22	12 30	0001	270F					
73/06/21	10 30	0053	83F					
	11 00	0010	5F					
73/07/18	11 00	0085	250F					
	11 30	0010	680F					
73/08/15	11 00	0095	380F					
	11 30	0010	170F					
73/09/12	10 00	0077	90F					
	10 30	0010	1200F					
73/10/15	14 00	0056	20					
	14 30	0010	5					
74/05/24	10 00	0001	170					
74/06/12	10 30	0010					0.001	0.001
	10 45	0004					0.005	0.007
	11 00	0001					0.001	0.003
74/06/25	12 45	0010					0.001	0.001
	13 30	0005					0.000	0.000
	14 00	0001					0.001	0.000
74/07/09	11 00	0010					0.001	0.000
	11 30	0003					0.003	0.002
	11 45	0000					0.003	0.003
74/07/23	13 00	0010					0.001	0.000
	13 30	0005					0.001	0.001
	14 00	0001					0.002	0.002
74/08/06	10 30	0026					0.000	0.000

TABLE 77 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFIENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MBAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
74/08/06	10 45	0010					0.000	0.000
	11 00	0002					0.000	0.000
74/08/20	12 30	0010					0.001	0.000
	13 00	0031					0.001	0.001
	13 30	0002					0.001	0.001
74/09/04	11 45	0010					0.001	0.001
	12 00	0035					0.001	0.001
	12 15	0001					0.000	0.001
74/09/17	11 15	0010					0.000	0.000
	11 45	0035					0.001	0.001
	12 00	0001					0.000	0.000
74/10/02	11 15	0010					0.001	0.001
	11 30	0020					0.001	0.001
	11 45	0001					0.001	0.000
74/10/17	12 00	0010					0.002	0.002
	13 00	0025					0.001	0.001
	13 15	0003					0.001	0.002
74/10/31	11 00	0010					0.001	0.000
	11 15	0025					0.001	0.001
	11 30	0001					0.001	0.001
75/06/06	11 00	0010					0.001	0.001
	11 30	0002					0.000	0.000
	12 00	0001					0.001	0.001
75/06/27	11 30	0010					0.003	0.001
	11 45	0005					0.002	0.002
	12 00	0001					0.003	0.003
75/07/17	11 15	0010					0.003	0.004
	11 30	0015					0.000	0.000
	11 45	0002					0.003	0.004
75/07/31	10 30	0010					0.003	0.002
	11 00	0025					0.003	0.004
	11 30	0002					0.002	0.002
75/08/15	10 30	0010					0.002	0.003
	11 00	0035					0.003	0.004
	11 30	0001					0.002	0.003
75/08/27	11 15	0010					0.001	0.001



TABLE 77 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

CUF/USGS DATA:STOKET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MRAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
75/08/27	11 30	0030					0.001	0.001
	11 45	0001					0.002	0.003
75/09/12	11 30	0035					0.003	0.005
	12 00	0001					0.004	0.005
75/09/26	11 15	0010					0.002	0.001
	11 30	0020					0.002	0.001
	11 45	0001					0.002	0.002
75/10/08	11 30	0010					0.002	0.001
	11 45	0030					0.002	0.002
	12 00	0001					0.002	0.003
75/10/29	10 15	0025					0.005	0.007
	10 30	0001					0.001	0.001
76/06/25	11 00	0010					0.000	0.000
	11 30	0020					0.000	0.000
	12 00	0001					0.000	0.000
76/07/08	11 00	0010					0.000	0.000
	11 30	0015					0.009	0.004
	12 00	0001					0.007	0.003
76/07/28	13 30	0010					0.000	0.000
	14 00	0030					0.000	0.000
	14 30	0001					0.000	0.000
76/08/10	11 30	0010					0.000	0.000
	12 30	0025					0.000	0.000
	13 00	0001					0.010	0.005
76/09/02	10 30	0010					0.005	0.003
	13 00	0025					0.000	0.000
	13 30	0001					0.001	0.000
76/09/15	12 00	0010					0.125	0.005
	13 00	0040					0.003	0.000
	13 30	0001					0.000	0.000
76/09/28	10 00	0010					0.006	0.005
	11 00	0040					0.002	0.000
	11 30	0001					0.000	0.000
76/10/13	10 30	0010					0.000	0.000
	11 30	0002					0.000	0.000
	12 00	0035					0.002	0.000

TABLE 77 LAKE KOOCANUSA AT INTERNATIONAL BOUNDARY, MT.  
USGS STATION NO. 12300110

CUF/USGS DATA:STOKET RETRIEVAL

DATE FROM TO	TIME OF DAY	DEPTH FEET	31501 TOT COLI MFMENDO /100ML	31503 TOT COLI MFDLENDU /100ML	31616 FEC COLI MFM-FCRR /100ML	38260 MRAS MG/L	32230 CHLRPHYL A MG/L	32231 CHLRPHYL B MG/L
76/10/27	11 00	0010					0.000	0.000
	11 30	0002					0.000	0.000
	12 00	0025					0.000	0.000
77/06/28	11 00	0010					0.003	0.001
	12 00	0002					0.002	0.001
	12 30	0025					0.002	0.001
77/07/12	11 00	0010					0.000	0.000
	12 00	0002					0.000	0.000
	12 30	0035					0.000	0.000
77/08/18	12 00	0010					0.000	0.000
	12 30	0002					0.000	0.000
	13 00	0030					0.001	0.000
77/08/30	11 00	0020					0.000	0.000
	13 00	0002					0.001	0.000
	14 00	0010					0.001	0.000
77/09/13	11 00	0010					0.005	0.002
	11 45	0040					0.004	0.000
	12 00	0002					0.007	0.000
77/09/29	10 30	0010					0.000	0.000
	11 30	0002					0.000	0.000
	12 00	0035					0.000	0.000

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	1.0	.0	5.5	4.0	8.5	3.0	12.0	10.0
2	0	0	.0	.0	1.0	.5	5.0	3.0	8.0	5.0	12.0	9.5
3	0	0	.0	.0	1.0	.0	5.0	1.5	8.5	5.0	11.5	9.5
4	0	0	.0	.0	1.0	.0	4.0	2.0	8.5	5.5	11.5	9.0
5	0	0	.0	.0	1.0	.0	4.5	3.0	7.5	6.0	12.5	9.0
6	0	0	.0	.0	1.5	.5	6.0	4.0	7.0	5.5	12.5	9.0
7	0	0	.0	.0	1.0	.0	6.5	4.5	8.5	5.0	12.0	10.0
8	0	0	.0	.0	2.0	.0	4.5	3.0	7.5	6.5	11.0	10.0
9	0	0	.0	.0	2.5	1.0	4.5	2.5	7.0	6.0	10.5	10.0
10	0	0	.0	.0	4.0	2.0	4.5	2.0	8.0	6.0	12.0	9.5
11	0	0	.0	.0	3.0	1.5	5.0	3.0	8.0	6.0	11.5	9.5
12	0	0	.0	.0	3.0	1.5	4.5	3.0	9.0	7.5	10.0	9.0
13	0	0	.0	.0	2.5	2.0	5.0	3.0	9.5	8.5	10.0	8.5
14	0	0	.0	.0	2.0	1.5	4.5	3.5	9.5	9.0	12.0	9.0
15	0	0	.0	.0	3.0	1.5	7.0	4.0	9.5	9.0	13.5	9.5
16	0	0	.0	.0	3.0	2.0	6.5	4.0	9.5	9.5	13.0	10.5
17	0	0	.5	.0	3.5	1.0	4.0	3.0	10.0	9.5	12.5	10.0
18	0	0	.5	.0	3.0	1.5	5.5	2.5	9.5	9.0	13.0	9.0
19	0	0	1.0	.5	2.5	2.0	7.0	3.0	10.0	9.5	12.0	9.0
20	0	0	1.0	.5	2.5	2.0	8.5	4.5	10.0	9.5	11.5	9.0
21	0	0	1.0	.5	3.0	1.5	7.0	5.5	9.5	9.0	11.0	9.5
22	0	0	1.0	.5	4.0	2.0	7.0	3.5	9.0	9.0	11.5	8.5
23	0	0	1.0	.5	4.0	3.5	8.0	3.0	9.0	9.0	11.5	9.5
24	0	0	1.0	.5	4.0	2.5	7.0	4.5	9.0	8.0	11.0	8.0
25	0	0	1.0	.5	3.0	2.0	8.0	5.0	9.0	8.0	11.0	9.0
26	0	0	1.0	.5	2.5	1.5	9.5	5.0	9.5	8.5	10.0	8.5
27	0	0	1.0	.5	3.0	2.0	10.5	5.5	12.0	9.0	10.0	9.0
28	0	0	1.0	.5	3.5	1.5	10.5	6.0	13.0	9.5	14.5	9.0
29	0	0	1.5	1.0	4.0	1.5	8.0	6.0	12.5	10.0	15.0	10.5
30	0	0	---	---	5.0	2.0	6.5	4.0	13.0	10.0	15.0	11.0
31	0	0	---	---	6.0	3.0	---	---	12.0	10.0	---	---
MONTH	0	0	1.5	.0	6.0	.0	10.5	1.5	13.0	3.0	15.0	8.0

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	10.5	17.5	13.5	15.5	11.0	10.0	7.5	3.5	3.0	1.5	0
2	13.0	10.0	17.0	13.5	16.0	11.0	10.0	8.0	5.0	3.5	.5	0
3	15.5	10.0	18.0	12.0	16.0	11.0	10.0	7.5	5.0	4.5	.0	0
4	16.5	11.0	19.0	12.5	16.5	11.5	9.5	7.0	5.5	5.0	.0	0
5	---	---	19.5	13.5	15.0	11.5	8.5	5.5	6.0	5.5	.0	0
6	---	---	20.0	14.0	13.5	11.5	8.0	5.5	5.5	4.5	.0	0
7	---	---	21.0	15.5	13.0	10.0	8.0	5.5	5.0	4.0	.0	0
8	15.0	12.0	21.0	15.5	13.0	10.5	9.5	6.5	4.5	4.0	.0	0
9	13.0	11.0	21.0	16.0	13.5	11.0	9.5	7.5	4.5	3.0	.0	0
10	12.5	9.5	21.0	15.5	12.5	9.0	9.5	5.0	4.0	3.5	.0	0
11	11.5	10.0	19.5	14.5	11.5	8.5	6.0	5.0	4.0	3.0	.0	0
12	11.0	10.0	19.0	15.5	11.5	10.0	6.0	5.0	3.0	2.0	.0	0
13	12.0	9.5	18.5	14.5	11.5	9.0	6.0	5.0	2.5	1.5	.0	0
14	13.5	10.0	18.0	14.5	13.0	9.5	7.0	5.0	3.0	2.0	.0	0
15	14.5	10.0	18.0	14.0	13.0	10.0	6.0	4.0	3.0	3.0	.0	0
16	13.0	10.5	18.0	13.5	12.0	10.0	6.0	4.0	3.5	3.0	.0	0
17	14.0	9.5	17.5	13.0	12.0	10.0	6.0	4.0	3.5	3.0	.0	0
18	13.0	10.0	17.5	12.0	11.5	9.5	6.0	5.0	3.0	3.0	.0	0
19	12.0	9.0	17.5	13.0	12.0	10.0	6.0	5.0	3.0	2.5	.0	0
20	11.0	9.0	19.0	14.0	11.0	9.0	6.0	5.5	2.5	2.0	.0	0
21	11.0	10.0	17.0	13.5	10.0	9.5	6.5	5.5	2.5	2.0	.0	0
22	11.5	10.5	16.0	13.0	10.0	8.5	6.0	4.5	2.0	2.0	.0	0
23	14.5	9.5	17.5	12.5	9.5	8.0	6.5	5.5	2.5	2.0	.0	0
24	14.5	11.5	17.0	12.5	9.0	7.0	6.0	4.0	2.5	2.0	.0	0
25	17.0	11.5	18.0	13.0	8.0	7.0	5.5	4.0	2.5	1.5	.0	0
26	17.5	11.5	19.0	13.5	8.0	6.5	5.5	5.0	2.5	1.5	.0	0
27	18.0	12.5	19.5	14.0	7.0	6.0	5.0	4.0	2.0	1.0	.0	0
28	18.5	12.5	19.5	14.0	7.0	5.5	4.5	4.0	1.0	.5	.0	0
29	18.5	12.5	19.5	14.0	7.5	5.0	4.0	2.5	.5	.5	.0	0
30	18.5	12.5	18.0	14.0	8.5	6.0	3.0	2.0	.5	.0	.0	0
31	18.5	13.5	16.0	12.0	---	---	3.5	2.5	---	---	.0	0
MONTH	18.5	9.0	21.0	12.0	16.5	5.0	10.0	2.0	6.0	.0	1.5	0
YEAR	21.0	.0										

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	0	2.0	1.0	6.0	3.0	10.0	4.0	10.5	7.0
2	0	0	.0	0	2.0	1.0	7.5	3.0	10.0	6.0	9.5	7.0
3	0	0	.0	0	2.5	.5	7.5	3.0	9.0	6.0	9.0	6.5
4	0	0	.0	0	3.0	1.0	8.0	4.0	8.5	7.0	10.5	6.5
5	0	0	.0	0	3.0	1.0	7.0	5.0	11.0	6.5	11.0	7.5
6	0	0	.0	0	3.0	.5	6.0	4.0	10.0	7.0	10.5	8.0
7	0	0	.0	0	4.0	1.0	6.5	2.0	9.5	7.0	10.0	8.5
8	0	0	.0	0	3.0	1.0	8.0	2.5	9.0	7.0	8.5	7.5
9	0	0	.0	0	3.5	2.0	8.0	4.5	8.0	5.5	9.5	6.5
10	0	0	.0	0	3.0	2.0	10.0	4.5	7.0	5.5	10.0	6.0
11	0	0	.0	0	3.0	1.5	9.0	5.0	10.5	5.0	11.0	5.5
12	0	0	.0	0	3.0	2.0	8.5	7.0	11.0	5.5	10.5	7.0
13	0	0	.0	0	4.0	2.0	8.0	6.0	12.5	7.0	11.0	8.5
14	0	0	.0	0	3.0	1.5	7.0	4.0	13.0	7.5	10.5	8.0
15	0	0	.0	0	4.0	1.5	5.5	3.0	12.5	7.5	10.0	8.0
16	0	0	.0	0	4.5	2.0	6.5	4.5	11.5	7.5	9.5	7.0
17	0	0	.0	0	5.0	3.0	7.0	5.0	11.0	7.0	11.0	7.5
18	0	0	.5	0	4.0	2.0	8.0	4.5	10.0	6.5	10.0	7.5
19	0	0	.5	0	4.5	2.0	8.0	4.0	10.0	6.5	11.5	7.5
20	0	0	.5	0	6.0	3.0	8.0	5.0	9.0	6.0	13.0	8.0
21	0	0	.5	0	6.0	4.0	10.0	4.5	9.5	5.0	14.0	9.0
22	0	0	.5	0	5.5	3.0	8.5	7.0	11.0	5.5	16.0	10.0
23	0	0	.5	0	6.0	3.5	8.0	7.0	10.0	7.0	13.5	11.0
24	0	0	.5	0	6.5	2.5	8.0	6.0	9.0	7.5	11.5	9.5
25	0	0	.5	0	6.0	3.0	9.5	6.5	7.5	6.0	11.5	9.0
26	0	0	.5	0	5.5	4.0	10.5	6.0	7.0	5.5	13.0	9.0
27	0	0	.5	0	5.0	3.0	9.5	7.0	8.0	5.5	15.0	9.5
28	0	0	1.0	0	5.0	3.0	8.5	6.5	11.0	6.0	15.5	10.0
29	0	0	---	---	6.0	2.0	7.5	5.0	11.5	6.5	16.0	10.5
30	0	0	---	---	4.5	2.5	7.5	5.0	11.5	7.5	14.0	9.0
31	0	0	---	---	5.0	2.5	---	---	12.0	8.5	---	---
MONTH	0	0	1.0	0	6.5	.5	10.5	2.0	13.0	4.0	16.0	5.5

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.5	9.5	21.5	14.5	14.0	11.0	11.0	9.0	5.5	4.0	3.0	2.5
2	13.5	7.5	21.5	15.5	15.0	9.5	10.0	7.5	4.0	1.0	2.5	2.0
3	16.5	9.5	21.5	15.0	15.0	11.0	8.5	6.5	1.5	.5	2.5	2.0
4	17.0	11.0	21.5	16.0	16.0	11.0	9.0	6.0	1.0	.5	2.0	1.5
5	15.5	11.5	19.5	16.0	16.5	11.5	9.0	6.5	.5	.5	1.5	.0
6	15.0	11.0	17.5	13.0	17.0	12.0	9.0	8.0	.5	.5	1.0	.0
7	15.0	9.5	17.5	12.5	16.0	14.0	9.0	8.0	.5	.5	2.0	1.0
8	14.5	10.0	19.5	13.5	16.5	12.0	8.5	6.5	1.0	.5	2.0	1.0
9	17.5	10.0	20.5	13.5	16.5	12.0	7.0	5.0	2.0	.5	1.0	.0
10	18.0	11.0	19.5	15.0	17.0	12.0	6.5	5.0	3.0	2.0	.0	.0
11	17.5	12.0	20.5	15.0	17.5	12.0	7.0	5.0	4.5	3.0	1.0	.0
12	17.5	10.5	21.0	15.0	16.5	12.5	7.0	7.0	4.0	3.5	1.5	1.0
13	18.0	11.0	19.0	15.0	15.0	11.5	8.0	7.0	4.0	3.5	2.0	1.5
14	19.0	12.0	20.0	14.0	12.0	9.5	8.5	7.5	3.5	3.5	2.0	1.5
15	19.0	12.0	20.0	14.0	12.0	7.5	8.5	7.5	3.5	2.0	2.0	1.5
16	19.0	12.5	18.5	13.5	12.0	7.5	9.0	7.0	3.5	2.5	2.5	2.0
17	20.0	13.5	18.5	13.0	12.0	8.0	8.5	6.5	3.0	2.0	2.5	2.5
18	20.0	13.0	17.5	11.5	11.5	10.0	9.0	7.0	2.0	1.0	2.5	1.5
19	20.5	13.5	17.0	11.0	11.5	10.5	8.5	6.5	1.0	1.0	1.5	1.0
20	19.0	14.0	18.0	12.0	12.0	10.5	8.0	7.0	1.0	1.0	1.0	.5
21	16.0	13.5	17.5	12.5	12.0	10.5	8.5	7.5	1.0	1.0	2.0	1.0
22	17.5	12.0	17.0	13.5	12.0	10.0	9.5	8.0	1.0	1.0	2.0	2.0
23	18.0	11.5	18.5	13.5	12.0	11.0	9.0	8.0	1.0	1.0	2.0	2.0
24	18.0	11.0	17.0	13.0	12.0	10.0	8.0	8.0	1.0	1.0	2.0	1.0
25	17.0	12.0	17.5	12.0	11.5	9.0	8.0	7.0	1.0	1.0	1.0	1.0
26	19.5	13.0	17.0	12.0	10.5	8.0	7.0	5.5	1.0	1.0	1.0	.5
27	20.0	13.5	17.0	12.5	13.0	9.0	6.5	6.0	1.5	1.0	.5	.0
28	20.0	14.0	16.0	12.0	13.0	9.5	7.0	6.5	3.0	1.5	.0	.0
29	20.0	13.5	15.5	13.0	13.0	9.5	7.0	6.5	3.0	2.5	.0	.0
30	20.5	14.5	15.0	12.5	12.0	10.0	7.0	6.0	3.0	2.5	.0	.0
31	21.0	14.5	13.0	12.0	---	---	6.0	5.5	---	---	.0	.0
MONTH	21.0	7.5	21.5	11.0	17.5	7.5	11.0	5.0	5.5	.5	3.0	.0
YEAR	21.5	.0										

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.0	.0	.5	.0	3.0	1.5	4.0	3.0	7.0	6.0	9.5	6.0
2	.0	.0	1.0	.0	4.0	1.5	5.0	3.0	6.5	5.0	9.5	7.0
3	.0	.0	1.0	.5	3.0	1.0	4.5	4.0	8.5	5.0	9.0	7.0
4	.0	.0	1.5	1.0	1.5	.5	5.0	3.5	9.5	6.5	8.0	6.5
5	.0	.0	1.5	.0	2.5	1.0	6.0	3.5	9.5	7.0	8.5	6.5
6	.0	.0	1.0	.0	2.0	.0	5.5	4.5	9.5	7.5	7.0	6.0
7	.0	.0	.5	.0	.5	.0	5.0	3.5	9.0	7.5	7.0	6.0
8	.0	.0	1.0	.0	1.0	.0	7.0	3.0	8.5	6.0	8.0	6.0
9	.0	.0	1.5	.0	1.5	.0	6.5	4.5	8.0	7.0	9.0	6.0
10	.0	.0	1.0	.0	2.5	.0	7.0	4.5	7.5	6.5	10.0	6.5
11	.0	.0	1.5	.0	2.5	.5	6.5	5.0	7.0	6.0	10.5	6.5
12	.0	.0	1.0	.0	3.5	.5	5.5	4.0	7.0	6.0	10.0	7.0
13	.0	.0	1.5	.5	3.0	1.0	7.5	4.0	7.0	6.5	10.0	6.5
14	.0	.0	2.0	.5	2.5	.5	8.5	4.0	7.0	6.0	9.0	5.5
15	.0	.0	1.5	.5	2.0	1.0	9.0	4.5	7.0	6.0	9.5	6.5
16	.0	.0	1.5	1.0	3.0	1.0	8.0	5.0	7.0	5.5	9.0	7.0
17	.0	.0	2.0	1.0	3.5	2.0	8.0	4.0	7.0	6.0	8.5	8.0
18	.0	.0	2.0	1.0	3.0	2.0	7.0	5.0	7.0	6.5	9.5	8.0
19	.0	.0	1.0	.5	3.0	.5	7.5	5.0	10.0	6.0	9.0	7.5
20	.0	.0	1.0	.0	2.5	.0	6.5	5.0	9.5	6.5	8.5	8.0
21	.0	.0	.5	.0	2.0	1.0	6.0	4.0	9.5	7.0	9.5	8.0
22	.0	.0	2.0	.5	4.0	1.0	7.5	4.5	10.5	7.0	10.5	8.0
23	.0	.0	1.5	.0	4.0	1.0	8.5	5.5	10.0	7.0	12.0	9.0
24	.0	.0	1.5	.0	4.0	2.0	10.0	6.5	8.0	7.0	11.5	8.5
25	.5	.0	1.0	.0	5.5	2.5	9.0	7.0	8.0	7.0	11.0	8.5
26	1.0	.5	2.0	.5	6.5	4.5	7.5	6.0	9.0	7.0	11.0	9.0
27	1.0	.5	2.5	1.0	6.5	4.0	6.0	5.5	8.5	6.5	10.0	8.5
28	.5	.5	2.5	1.0	6.0	4.5	6.0	5.0	9.5	6.5	10.0	8.5
29	1.0	.5	---	---	4.5	3.5	7.5	5.5	8.5	6.5	10.0	8.5
30	1.0	.0	---	---	4.0	3.0	7.5	6.5	8.0	6.5	12.0	9.0
31	.0	.0	---	---	5.0	3.0	---	---	9.0	6.5	---	---
MONTH	1.0	.0	2.5	.0	6.5	.0	10.0	3.0	10.5	5.0	12.0	5.5

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	9.5	19.0	16.0	17.0	13.0	11.0	9.0	5.0	4.0	1.5	1.0
2	11.5	9.5	19.0	16.0	17.0	12.0	11.0	9.5	5.5	4.5	1.0	.5
3	11.5	10.0	19.0	16.0	17.0	12.0	11.0	8.0	4.5	3.5	2.0	1.0
4	11.0	10.0	19.0	16.0	16.0	13.0	10.5	8.0	4.5	2.5	2.0	2.0
5	10.0	9.5	19.5	16.0	17.0	13.5	9.5	8.0	3.0	2.0	2.0	2.0
6	11.5	9.5	19.5	16.5	17.5	13.0	8.5	6.0	4.0	3.0	2.5	2.0
7	12.0	10.0	18.0	15.5	16.5	13.0	9.0	6.5	5.0	4.0	2.5	2.5
8	12.5	10.5	17.5	15.0	16.5	13.0	9.0	6.5	5.0	4.0	2.5	2.0
9	11.5	10.5	16.0	14.0	15.5	13.5	9.0	6.5	4.5	4.0	2.0	2.0
10	12.5	10.5	16.0	14.0	13.5	12.5	10.0	7.5	4.0	4.0	2.5	2.0
11	12.5	11.5	15.5	13.5	12.5	11.5	9.5	7.5	4.0	2.5	3.0	2.5
12	12.0	10.5	16.0	14.0	13.5	10.5	9.5	7.5	3.5	2.5	3.0	2.5
13	14.0	11.0	16.5	14.0	13.5	9.5	9.5	7.0	3.5	3.5	2.5	2.0
14	15.0	12.0	16.5	14.0	13.5	10.5	8.5	6.0	3.5	3.5	2.0	2.0
15	15.0	13.0	16.0	12.5	14.5	11.0	7.5	6.0	3.5	3.0	2.0	1.5
16	14.5	12.5	16.5	13.5	14.5	11.0	9.5	6.5	3.5	2.5	2.0	1.5
17	14.0	12.5	18.0	14.5	14.5	11.5	9.5	6.5	2.5	2.0	2.0	1.5
18	16.5	13.0	18.0	15.0	14.0	11.5	9.0	6.5	3.5	2.5	1.5	1.0
19	16.5	14.0	16.0	15.0	14.5	12.0	8.0	6.0	3.5	3.0	1.5	1.0
20	17.0	14.0	17.0	15.5	14.0	11.0	7.0	5.0	4.0	3.5	2.0	1.5
21	16.5	13.5	17.5	15.5	13.5	10.5	8.0	6.0	5.0	4.0	2.5	2.0
22	16.0	14.0	17.5	15.0	13.5	10.5	7.0	5.0	5.0	3.5	2.0	1.0
23	16.5	13.0	17.0	15.0	13.5	10.5	6.0	4.0	3.5	3.0	1.0	.5
24	17.0	13.5	17.0	15.0	13.0	10.0	5.5	4.0	4.0	3.0	.5	.5
25	18.0	13.5	18.0	15.0	14.0	10.0	5.0	3.5	4.0	3.0	.5	.5
26	17.5	14.0	18.5	16.0	13.0	10.5	6.0	4.0	3.0	2.0	.5	.5
27	17.5	14.5	18.5	16.0	10.5	9.0	6.0	5.0	2.0	1.5	1.5	.5
28	18.5	14.5	19.0	16.0	11.0	9.5	7.0	6.0	1.5	1.0	1.0	.5
29	18.5	15.0	19.0	16.0	11.0	8.5	6.5	5.0	1.0	1.0	.5	.5
30	19.0	15.5	18.5	15.0	10.5	8.0	6.0	4.0	1.5	1.0	.5	.5
31	19.5	16.0	17.0	14.5	---	---	5.0	4.0	---	---	.5	.0
MONTH	19.5	9.5	19.5	12.5	17.5	8.0	11.0	3.5	5.5	1.0	3.0	.0
YEAR	19.5	.0										

TABLE 7A. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR FUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	.0	.0	3.5	.5	7.5	6.0	11.0	8.0
2	0	0	.0	.0	.0	.0	2.5	.5	8.0	6.5	11.0	8.0
3	0	0	.0	.0	1.0	.0	3.0	1.5	8.0	7.0	9.0	8.0
4	0	0	.0	.0	1.5	.5	3.5	1.5	7.5	6.5	9.0	8.0
5	0	0	.0	.0	1.5	.5	3.5	1.0	6.5	6.0	9.0	8.0
6	0	0	.0	.0	.5	.0	4.5	2.0	6.5	6.0	10.0	8.0
7	0	0	.0	.0	.5	.0	4.0	2.5	8.5	6.5	10.0	8.0
8	0	0	.0	.0	.0	.0	3.5	2.5	9.5	7.0	9.0	8.0
9	0	0	.0	.0	1.0	.0	4.5	2.5	9.5	7.5	10.0	8.0
10	0	0	.0	.0	2.0	.5	5.5	2.5	10.5	7.0	10.5	8.0
11	0	0	.0	.0	2.5	1.0	7.0	2.5	9.0	7.0	10.5	9.0
12	0	0	.0	.0	2.0	.5	8.0	3.5	10.0	7.0	11.0	8.5
13	0	0	.0	.0	2.0	.5	7.5	4.5	11.0	7.0	11.0	9.5
14	0	0	.0	.0	2.0	.5	7.5	5.0	11.0	7.5	9.5	8.0
15	0	0	.0	.0	2.5	.5	8.0	4.5	10.5	8.5	9.0	8.5
16	0	0	.5	.0	3.0	2.0	7.0	4.5	8.5	7.5	9.0	8.5
17	0	0	.5	.5	2.5	1.0	8.0	5.0	9.0	7.0	9.5	8.0
18	0	0	.5	.5	3.0	2.0	7.0	4.0	9.0	7.5	9.5	8.5
19	0	0	.5	.5	4.0	2.0	6.0	5.0	7.5	6.5	9.5	8.5
20	0	0	.5	.0	3.0	2.0	6.0	4.0	7.5	6.5	9.0	8.0
21	0	0	.0	.0	2.5	1.5	7.5	3.5	9.5	6.5	9.5	8.5
22	0	0	.0	.0	3.5	1.5	7.0	4.5	9.5	7.5	10.5	8.5
23	0	0	.0	.0	3.5	2.0	6.5	5.5	8.0	7.5	11.0	9.0
24	0	0	.0	.0	3.5	1.5	6.5	4.5	8.0	7.0	11.0	9.5
25	0	0	.0	.0	2.5	1.0	6.0	5.0	7.0	5.5	11.0	9.5
26	0	0	.0	.0	1.5	.0	7.5	4.5	8.0	6.0	10.0	8.5
27	0	0	.0	.0	.5	.0	7.5	5.5	9.5	6.5	9.5	8.5
28	0	0	.0	.0	.0	.0	5.5	4.5	11.5	7.5	9.0	8.0
29	0	0	---	---	2.0	.0	6.0	4.5	11.5	8.5	10.0	8.0
30	0	0	---	---	2.5	1.5	7.5	5.5	11.5	8.5	12.0	8.5
31	0	0	---	---	2.0	.5	---	---	11.0	8.5	---	---
MONTH	0	0	.5	.0	4.0	.0	8.0	.5	11.5	5.5	12.0	8.0

TABLE 7A. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR FUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	10.5	16.5	13.5	11.5	10.0	11.5	8.0	5.5	5.0	.5	.0
2	14.5	11.0	16.0	13.5	12.5	10.0	11.0	8.5	5.5	5.5	.5	.0
3	15.0	12.5	15.0	13.0	12.5	10.0	11.0	9.5	6.5	5.5	.5	.0
4	15.5	13.0	18.0	13.0	14.0	10.0	11.5	10.0	7.0	6.0	1.0	.5
5	15.5	13.0	18.0	14.0	15.0	10.0	10.0	9.0	6.5	5.5	1.0	.5
6	15.5	13.0	18.0	14.0	15.5	11.0	10.0	10.0	5.5	5.5	.5	.5
7	15.0	13.5	17.5	14.0	16.0	11.0	10.0	9.0	5.5	5.0	.5	.5
8	16.5	13.0	18.0	14.0	16.0	12.0	9.0	8.0	5.0	3.0	1.0	.5
9	17.5	14.0	17.5	13.0	16.0	11.5	8.5	7.0	3.0	3.0	1.5	1.0
10	18.0	15.0	17.5	14.0	15.5	11.5	8.0	7.5	3.0	2.0	1.5	1.5
11	18.5	15.5	17.5	14.5	15.0	11.0	9.0	8.0	2.0	1.0	1.5	1.0
12	18.0	16.0	18.0	14.0	14.0	10.0	9.0	8.0	2.0	1.0	1.0	1.0
13	17.0	15.0	18.0	14.0	14.5	10.0	8.5	7.0	1.5	1.0	1.0	.5
14	18.0	14.5	18.5	14.0	15.0	10.5	7.0	6.5	3.0	1.5	.5	.5
15	18.0	15.0	18.5	14.0	16.0	11.0	8.5	7.0	4.0	3.0	.5	.0
16	15.5	13.5	17.0	14.5	14.5	12.5	7.5	6.5	3.5	2.5	.0	.0
17	15.5	13.5	15.5	14.5	12.5	11.5	9.0	7.5	3.0	2.5	.0	.0
18	15.0	12.5	14.5	13.0	12.0	10.0	8.5	8.0	2.5	1.0	.0	.0
19	15.5	13.0	15.5	13.5	11.0	9.0	8.0	7.5	1.0	.5	.0	.0
20	17.0	13.5	16.0	13.0	11.5	8.5	7.5	7.5	.5	.5	.0	.0
21	16.5	14.0	16.5	13.0	12.5	9.0	7.5	6.5	.5	.5	.0	.0
22	17.0	14.0	15.5	13.5	13.0	9.5	6.5	5.5	.5	.5	.0	.0
23	17.5	14.0	18.0	13.0	13.0	10.0	6.0	5.5	1.0	.5	.0	.0
24	18.0	14.5	13.0	11.5	13.5	10.0	6.0	5.0	1.5	1.0	.0	.0
25	18.5	15.5	13.5	11.5	13.5	10.0	5.0	4.5	1.0	.0	.5	.0
26	19.0	16.0	15.5	12.0	13.0	10.0	5.0	4.5	.5	.0	1.0	.5
27	19.5	16.0	16.0	12.0	12.5	9.0	5.5	4.5	.5	.0	1.0	1.0
28	19.5	16.5	16.0	13.0	13.0	10.0	5.5	4.5	.5	.0	1.0	.0
29	19.5	17.0	13.0	11.5	12.5	9.5	4.5	4.5	.0	.0	1.0	.5
30	17.5	15.0	12.0	10.5	12.0	8.5	5.5	4.5	.0	.0	1.0	1.0
31	15.5	13.5	13.0	11.0	---	---	5.5	4.5	---	---	1.0	.0
MONTH	19.5	10.5	18.5	10.5	16.0	8.5	11.5	4.5	7.0	.0	1.5	.0
YEAR	19.5	.0										

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.0	.0	.0	.0	1.0	.5	5.0	4.0	9.0	6.0	8.0	6.5
2	.0	.0	.0	.0	.5	.5	4.0	3.0	8.5	6.0	8.5	6.5
3	.0	.0	.0	.0	.5	.5	6.0	3.5	8.5	6.5	8.0	6.5
4	.0	.0	.0	.0	.5	.5	6.5	4.0	8.0	6.0	9.0	6.0
5	.0	.0	.0	.0	.5	.5	7.0	4.0	6.0	6.0	11.0	6.5
6	.0	.0	.0	.0	.5	.5	7.0	3.0	7.5	6.0	10.0	8.0
7	.0	.0	.0	.0	.5	.5	7.0	4.0	8.0	6.5	11.5	8.0
8	.0	.0	.0	.0	.5	.5	6.0	3.5	8.0	7.0	13.0	9.0
9	.0	.0	.0	.0	2.0	.5	6.0	3.5	8.0	7.0	12.5	10.0
10	.0	.0	.0	.0	2.0	2.0	5.5	3.0	8.0	7.0	11.0	8.5
11	.0	.0	.0	.0	2.0	1.5	5.5	3.5	8.0	7.0	11.0	8.0
12	.0	.0	.0	.0	1.5	.5	5.5	4.0	8.0	6.0	10.0	9.0
13	.0	.0	.5	.0	1.0	.5	5.0	4.0	8.0	6.0	9.0	7.5
14	.0	.0	.5	.5	1.5	1.0	4.0	3.5	8.0	7.0	11.0	7.5
15	.0	.0	1.0	.5	1.5	1.0	4.0	3.5	8.0	6.0	10.5	9.0
16	.0	.0	1.0	.5	3.0	1.5	3.5	3.0	9.0	6.0	11.5	9.0
17	.5	.0	1.0	1.0	4.0	2.5	3.5	3.0	9.0	7.0	13.0	9.5
18	.5	.5	1.5	.5	4.0	3.0	4.0	3.5	8.5	6.0	13.5	9.5
19	.5	.0	1.5	1.0	4.0	2.0	4.0	3.5	9.0	6.0	12.5	10.0
20	.0	.0	1.5	1.0	3.5	2.0	4.0	3.5	9.0	6.0	12.0	9.5
21	.0	.0	1.5	1.0	2.0	1.5	4.0	3.5	9.0	5.5	11.5	9.5
22	.0	.0	2.0	1.0	3.0	2.0	5.0	3.5	9.5	6.5	9.5	9.0
23	.0	.0	2.0	1.0	4.0	2.0	5.0	4.0	9.5	8.0	9.5	8.5
24	.0	.0	2.0	1.5	3.0	2.0	6.0	4.5	9.5	7.5	11.0	8.5
25	.0	.0	2.0	2.0	4.0	2.5	6.0	5.0	8.5	7.5	9.5	8.0
26	.0	.0	2.0	1.5	4.0	2.5	5.5	4.0	8.0	6.0	11.0	7.5
27	.0	.0	2.0	1.5	3.5	2.0	6.0	4.0	10.5	6.5	13.5	9.0
28	.0	.0	1.5	1.0	4.0	2.5	5.5	4.0	10.5	7.5	14.5	10.0
29	.0	.0	1.5	1.0	4.5	3.0	7.0	4.0	8.5	6.5	15.0	11.0
30	.0	.0	---	---	6.0	4.0	8.5	5.0	8.5	6.5	14.5	12.0
31	.0	.0	---	---	6.0	4.0	---	---	8.5	7.0	---	---
MONTH	.5	.0	2.0	.0	6.0	.5	8.5	3.0	10.5	5.5	15.0	6.0

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	11.0	19.0	16.0	18.0	13.0	14.0	11.5	7.5	6.5	3.0	2.5
2	13.0	9.0	18.5	16.0	17.5	13.5	14.0	13.0	7.0	6.0	3.0	3.0
3	13.0	10.0	19.5	15.5	16.5	12.5	13.0	11.0	6.0	5.0	3.0	3.0
4	13.0	11.0	19.0	16.5	17.0	12.5	11.0	9.0	6.5	5.0	3.0	3.0
5	15.0	10.5	18.5	16.0	16.5	12.5	10.0	8.0	7.0	6.5	3.0	2.5
6	15.0	11.5	20.5	15.5	15.5	13.5	10.0	8.0	6.5	6.5	2.5	2.5
7	14.0	12.5	20.0	16.0	14.0	11.5	9.0	7.5	7.0	6.5	3.5	2.5
8	13.0	11.5	18.0	16.0	13.5	10.0	9.5	8.0	7.0	6.5	4.0	3.5
9	13.5	11.5	16.0	14.5	13.5	9.5	10.5	8.0	6.5	6.0	4.0	3.0
10	15.5	11.5	18.5	14.5	14.0	9.5	10.0	9.0	6.0	6.0	3.0	2.5
11	16.5	12.5	19.5	15.0	13.0	10.5	11.0	9.0	6.0	5.5	3.5	3.0
12	15.5	13.0	19.0	15.0	12.0	11.0	11.0	9.0	5.5	5.0	3.5	3.0
13	17.0	12.0	18.0	15.5	13.0	10.0	11.5	9.0	5.0	4.0	3.0	2.5
14	17.0	12.5	18.0	16.0	13.5	10.0	11.0	8.5	4.0	3.5	2.5	2.5
15	17.5	12.5	16.5	15.0	14.0	10.5	9.0	7.0	4.0	3.5	3.0	2.5
16	18.0	13.5	16.0	14.0	13.5	11.0	8.0	6.0	4.5	4.0	3.5	3.0
17	18.5	14.5	15.5	12.0	13.0	12.0	7.5	7.0	5.5	4.5	3.5	2.5
18	17.5	15.0	15.0	12.5	15.0	12.5	7.0	5.0	5.5	5.0	2.5	2.5
19	17.5	14.5	14.0	12.5	14.5	12.0	6.0	5.0	5.0	4.5	2.5	2.0
20	17.0	14.5	16.0	12.5	14.0	11.0	6.0	5.0	4.5	3.5	2.0	2.0
21	16.5	14.0	16.5	12.0	14.0	11.0	6.0	5.0	3.5	3.0	2.0	2.0
22	18.0	14.0	17.0	13.0	14.0	11.0	5.5	5.0	3.5	3.0	2.0	2.0
23	19.0	14.0	16.5	14.5	14.5	12.0	6.0	5.0	3.5	3.0	2.0	2.0
24	18.0	15.5	17.5	13.5	15.0	12.0	6.0	4.5	4.0	3.5	2.0	1.5
25	19.5	14.0	16.0	14.0	14.5	12.0	7.0	6.0	4.0	3.5	1.5	1.5
26	20.5	15.5	14.5	12.5	14.0	11.5	7.0	6.0	3.5	3.0	2.0	1.5
27	19.5	15.0	13.5	12.0	13.5	10.5	7.0	6.0	3.0	2.5	2.0	2.0
28	19.5	14.0	15.0	11.5	13.5	10.5	7.0	5.5	2.5	2.5	2.0	1.0
29	18.0	15.0	16.0	12.5	14.5	11.0	7.5	7.0	2.5	2.5	1.0	1.0
30	15.5	14.5	17.0	12.5	15.0	11.5	7.0	5.5	2.5	2.5	1.0	1.0
31	19.5	14.5	17.5	12.5	---	---	6.5	6.0	---	---	1.0	.5
MONTH	20.5	9.0	20.5	11.5	18.0	9.5	14.0	4.5	7.5	2.5	4.0	.5
YEAR	20.5	.0										

TABLE 7A. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.5	.5	---	---	4.0	3.0	8.0	4.5	12.5	8.0	14.0	11.0
2	.5	.5	---	---	4.0	3.5	7.0	4.0	11.0	9.0	13.5	11.5
3	.5	.5	---	---	4.0	2.5	8.5	4.5	9.0	7.5	12.0	10.0
4	.5	.5	---	---	4.0	2.5	10.5	6.0	9.0	7.5	11.5	10.5
5	.5	.5	---	---	3.5	2.5	11.5	6.5	8.0	7.0	15.5	10.5
6	.5	.5	---	---	5.0	3.0	11.5	7.0	7.0	5.0	14.5	12.0
7	.5	.5	---	---	5.0	4.0	11.5	7.0	11.5	6.0	15.0	12.5
8	.5	.5	---	---	4.5	3.5	11.5	7.5	11.5	8.5	16.0	12.5
9	.5	.5	---	---	5.0	3.5	12.0	8.5	13.0	8.5	16.5	12.0
10	.5	.5	---	---	5.0	3.5	10.0	7.5	11.5	8.0	15.0	12.0
11	.5	.5	---	---	4.0	2.5	9.5	7.5	8.0	7.0	14.0	12.0
12	.5	.5	---	---	4.0	3.0	11.5	6.0	8.0	5.5	15.5	12.0
13	.5	.5	---	---	4.5	3.5	10.5	8.0	9.5	7.0	15.5	13.0
14	.5	.5	---	---	4.0	3.0	10.0	7.0	9.0	7.0	16.5	12.5
15	.5	.5	---	---	4.5	2.5	9.0	6.0	8.5	6.5	15.0	13.5
16	.5	.5	3.0	2.5	4.5	3.5	10.0	7.5	8.0	5.5	17.0	13.0
17	.5	.5	3.0	2.5	4.5	3.0	10.5	6.0	8.0	6.5	19.5	13.0
18	.5	.5	3.5	2.0	5.0	3.0	8.5	5.5	7.5	6.0	20.5	14.0
19	.5	.5	3.0	2.0	4.5	3.5	8.5	5.5	10.0	5.5	21.0	14.5
20	.5	.5	3.0	2.0	5.5	2.5	10.0	6.0	11.0	6.0	19.0	15.5
21	---	---	3.5	2.5	4.5	3.5	9.5	6.5	9.0	7.0	20.0	14.0
22	---	---	3.5	3.0	6.5	4.0	13.5	8.0	11.0	6.5	20.0	14.5
23	---	---	3.5	3.0	6.0	4.5	14.5	9.0	10.0	7.0	20.5	14.5
24	---	---	4.0	3.0	6.5	5.0	15.0	9.5	9.0	7.0	21.5	14.5
25	---	---	3.5	2.5	6.0	4.0	15.0	9.5	9.0	5.5	22.0	15.5
26	---	---	3.5	2.5	7.0	5.0	13.0	10.0	9.5	6.0	22.0	16.0
27	---	---	3.5	2.5	6.5	4.5	12.5	8.0	11.5	8.0	21.5	15.5
28	---	---	3.5	2.0	5.5	4.5	12.0	8.0	10.5	8.5	20.5	15.0
29	---	---	---	---	6.0	4.0	11.0	8.5	10.5	8.5	20.5	15.5
30	---	---	---	---	7.5	3.5	13.0	8.0	12.5	7.5	21.5	14.0
31	---	---	---	---	6.5	5.0	---	---	13.0	10.5	---	---
MONTH	.5	.5	4.0	2.0	7.5	2.5	15.0	4.0	13.0	5.0	22.0	10.0

TABLE 7B. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.5	15.5	24.0	17.0	17.0	14.0	12.0	11.0	5.5	5.0	1.5	1.5
2	20.0	16.0	25.0	17.5	16.0	14.5	12.5	11.0	5.0	4.5	2.0	1.5
3	18.0	14.5	22.0	18.5	17.0	15.5	12.0	10.0	5.0	4.0	2.0	2.0
4	17.5	14.0	19.0	17.5	16.5	15.5	11.0	9.5	4.5	4.0	2.0	2.0
5	17.5	14.5	22.5	16.0	18.5	15.0	10.5	9.0	4.0	4.0	2.0	1.5
6	16.0	14.0	20.5	16.5	18.0	14.0	10.0	8.5	4.5	4.0	1.5	1.5
7	21.0	14.0	23.5	16.5	16.5	14.5	9.5	9.5	4.5	4.0	1.5	1.5
8	21.0	15.0	22.5	17.0	17.5	14.0	9.5	8.5	4.0	3.0	1.5	1.5
9	19.0	16.0	20.0	17.5	17.0	13.5	9.5	8.5	3.0	2.5	1.5	1.5
10	18.0	15.5	23.0	16.0	17.5	13.5	8.5	7.0	3.5	3.0	1.5	1.5
11	18.0	14.5	24.0	16.5	16.0	14.0	8.0	6.0	4.5	3.5	1.5	1.0
12	20.0	15.5	22.0	17.0	17.0	13.0	8.5	6.5	5.0	4.5	1.5	1.0
13	18.0	15.5	23.5	18.5	18.0	13.5	10.0	8.0	5.0	5.0	1.5	1.0
14	18.0	14.0	21.0	18.0	17.0	14.5	9.0	7.5	5.0	4.5	1.5	1.0
15	22.0	15.0	22.0	15.5	17.0	14.5	8.0	6.5	4.5	4.0	1.5	1.5
16	21.5	16.5	23.0	16.5	16.0	14.5	8.5	7.0	4.0	3.5	1.5	1.5
17	20.0	17.5	24.0	17.0	15.0	14.0	8.0	6.5	3.5	3.0	1.5	1.0
18	20.5	16.0	24.5	18.0	14.5	13.0	7.5	6.0	3.0	2.0	1.0	.5
19	19.0	16.0	24.5	18.5	14.5	13.5	8.0	6.5	2.0	2.0	1.0	.5
20	21.5	15.0	24.5	18.0	14.5	13.5	7.5	5.5	2.0	2.0	1.0	.5
21	22.0	16.5	23.0	18.5	14.5	13.0	6.5	5.0	2.0	2.0	1.0	1.0
22	20.5	17.5	22.5	18.5	14.0	11.5	6.5	5.0	2.0	2.0	1.0	1.0
23	25.0	17.5	19.5	18.0	16.0	12.0	6.5	5.5	2.0	2.0	1.0	1.0
24	22.5	18.5	19.0	17.5	13.5	13.0	6.5	5.5	2.0	2.0	1.0	.5
25	21.0	18.0	17.5	16.0	13.5	12.5	6.5	5.5	2.0	1.5	.5	.5
26	19.5	17.5	17.0	15.5	13.5	12.5	6.0	5.5	1.5	1.0	.5	.5
27	23.5	17.0	18.0	16.0	13.0	11.0	5.5	4.0	1.0	1.0	.5	.5
28	21.0	17.5	17.0	15.5	12.0	12.0	5.0	4.5	1.0	1.0	.5	.5
29	19.5	17.0	16.5	15.0	12.0	12.0	5.5	5.0	1.5	1.0	.5	.5
30	20.5	15.5	17.0	14.5	12.0	11.5	5.5	5.0	1.5	1.5	.5	.5
31	22.0	17.0	14.5	14.5	---	---	5.5	5.0	---	---	.5	.5
MONTH	25.0	14.0	25.0	14.5	18.5	11.0	12.5	4.0	5.5	1.0	2.0	.5
YEAR	25.0	.5										

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.5	.5	.0	.0	2.0	1.5	4.5	4.0	9.5	7.5	12.0	7.5
2	.5	.5	.0	.0	1.5	1.0	4.5	4.0	9.5	7.5	13.0	8.5
3	.5	.5	.0	.0	1.0	1.0	5.5	4.5	8.0	7.0	13.5	9.0
4	.5	.5	.0	.0	1.5	1.0	6.5	4.0	7.0	6.0	13.0	9.0
5	.5	.5	.0	.0	1.0	1.0	6.5	5.5	7.0	5.5	13.0	9.5
6	.5	.0	.0	.0	1.0	1.0	6.0	4.5	9.0	6.0	12.0	9.5
7	.0	.0	.0	.0	2.0	1.0	6.5	4.0	9.5	6.0	11.5	9.0
8	.0	.0	.0	.0	3.5	2.0	7.0	5.0	10.0	6.0	11.5	10.0
9	.0	.0	.0	.0	3.5	1.5	8.5	4.5	10.0	8.0	11.0	10.5
10	.0	.0	.0	.0	3.5	1.5	8.5	5.5	8.5	7.0	10.5	9.5
11	.0	.0	.0	.0	3.5	2.5	8.0	6.5	8.0	7.0	10.0	9.5
12	.0	.0	.0	.0	3.0	2.5	7.0	4.5	7.5	7.0	10.5	9.0
13	.0	.0	.0	.0	3.0	2.5	7.5	4.5	7.5	7.0	10.0	9.5
14	.0	.0	.0	.0	4.5	2.5	7.0	5.5	8.5	7.0	10.0	9.0
15	.0	.0	.0	.0	5.0	2.0	8.0	5.0	8.0	7.5	10.0	9.5
16	.0	.0	.0	.0	4.0	3.0	7.5	6.5	8.5	7.0	9.5	9.0
17	.0	.0	.0	.0	5.0	3.0	6.5	5.5	10.0	8.0	11.0	8.5
18	.0	.0	.0	.0	6.0	4.0	9.0	5.0	10.5	7.5	13.0	8.5
19	.0	.0	.0	.0	5.0	3.5	10.0	6.0	11.0	7.5	13.0	9.0
20	.0	.0	.5	.0	6.0	3.0	9.0	7.0	11.0	8.0	13.0	8.5
21	.0	.0	.5	.0	6.0	3.5	7.5	6.0	10.5	8.5	13.0	9.5
22	.0	.0	1.5	.5	6.0	3.5	6.5	5.5	10.0	8.5	14.0	9.5
23	.0	.0	1.5	1.0	7.0	4.0	7.0	5.5	9.5	7.5	13.0	10.0
24	.0	.0	1.5	1.0	6.0	4.5	8.0	5.0	7.5	7.0	13.0	10.0
25	.0	.0	1.5	1.0	4.5	4.0	10.0	6.5	8.0	7.0	12.5	10.0
26	.0	.0	2.0	1.0	4.5	4.0	10.5	8.0	8.0	7.0	13.0	10.0
27	.0	.0	2.5	1.5	4.5	4.0	10.0	8.0	9.0	7.5	15.0	10.0
28	.0	.0	2.5	2.0	4.5	4.0	9.0	8.0	10.0	8.0	16.0	10.5
29	.0	.0	---	---	5.0	4.0	8.0	7.0	9.5	8.0	14.0	12.0
30	.0	.0	---	---	5.0	4.5	9.0	6.5	9.5	7.5	13.5	11.0
31	.0	.0	---	---	4.5	4.0	---	---	10.0	7.5	---	---
MONTH	.5	.0	2.5	.0	7.0	1.0	10.5	4.0	11.0	5.5	16.0	7.5

TABLE 78. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301300 TOBACCO RIVER NEAR EUREKA, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 485337 LONGITUDE 1150513 DRAINAGE AREA 440.00 DATUM 2518.85 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.5	11.0	19.0	13.5	13.0	12.0	11.2	7.9	5.0	2.2	1.5	.6
2	15.5	11.5	19.0	14.0	16.0	11.0	10.9	6.2	5.3	2.0	.7	.1
3	15.0	11.5	20.0	13.5	17.0	12.0	8.7	6.6	6.1	5.1	.9	.1
4	14.5	11.0	20.0	14.0	17.0	12.0	10.1	5.4	6.6	4.0	1.7	.6
5	14.5	11.0	20.5	14.5	16.0	13.0	9.7	5.4	3.7	1.8	.4	.0
6	13.5	11.0	19.0	14.5	14.0	13.0	9.4	5.3	4.2	2.2	.4	.0
7	13.5	11.0	20.5	14.0	15.0	13.0	9.9	5.4	6.1	4.0	.4	.0
8	14.0	10.5	21.0	15.0	14.0	12.0	10.5	6.1	6.3	4.6	.2	.0
9	15.5	11.5	20.0	15.0	16.0	11.0	10.9	6.1	4.1	.5	.3	.0
10	14.5	11.5	20.0	15.0	14.5	12.0	9.6	8.1	.9	.1	.3	.0
11	12.0	10.0	18.5	14.0	12.5	10.5	9.1	7.4	1.0	.1	.2	.0
12	15.0	10.0	17.0	14.0	12.5	11.0	8.7	5.0	.5	.1	.3	.0
13	17.0	11.0	16.5	13.0	12.0	10.0	7.6	3.8	.7	.1	.2	.0
14	17.5	12.0	15.5	12.5	12.0	10.5	7.7	3.6	.6	.1	.1	.0
15	18.0	12.5	14.0	13.0	12.0	10.5	7.6	4.0	.6	.3	.2	.0
16	15.0	13.5	14.5	12.0	10.5	9.0	8.2	4.6	.4	.2	.2	.0
17	15.0	12.5	14.5	12.0	10.5	7.0	8.9	5.2	1.5	.3	.2	.0
18	13.0	12.0	14.0	12.0	9.5	6.0	8.2	5.1	.7	.1	.2	.0
19	16.0	10.0	14.0	12.0	10.5	7.0	8.8	4.9	.2	.0	.2	.0
20	17.0	11.0	13.0	11.0	10.0	7.5	8.5	5.5	.5	.0	.2	.0
21	17.0	11.5	13.5	11.0	10.2	9.6	7.9	5.7	.1	.0	.1	.0
22	18.0	12.0	13.0	11.0	11.8	8.2	6.4	3.7	.1	.0	.2	.0
23	18.5	12.5	13.5	11.0	10.8	9.2	7.7	5.2	.2	.0	.2	.0
24	19.0	13.0	13.0	10.0	13.6	8.2	7.7	5.5	.3	.0	.2	.0
25	19.0	13.0	13.0	10.5	14.4	8.7	6.3	3.7	.5	.0	.1	.0
26	17.0	13.0	13.0	10.0	14.0	8.8	5.9	2.9	.8	.1	.1	.0
27	18.5	14.0	14.0	9.0	12.7	9.4	5.9	4.8	1.4	.8	.1	.0
28	19.0	13.0	14.0	10.0	10.6	8.2	6.5	5.1	1.9	.8	.1	.0
29	19.5	13.5	16.0	10.5	12.6	8.5	7.1	5.5	1.0	.3	.0	.0
30	18.5	13.5	15.0	11.0	10.9	7.5	6.1	4.3	1.3	.4	.0	.0
31	19.0	14.0	14.5	12.5	---	---	4.8	2.3	---	---	.0	.0
MONTH	19.5	10.0	21.0	9.0	17.0	6.0	11.2	2.3	6.6	.0	1.7	.0
YEAR	21.0	.0										



TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12301300 TOBACCO RIVER NEAR EUREKA, MT.				STREAM		SOURCE AGENCY USGS				
LATITUDE 485337		LONGITUDE 1150513		DRAINAGE AREA 440.00		DATUM 2518.85		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	95	80	176	408	618	1980	701	241	123	151	148	121
2	90	65	177	472	593	1770	641	246	123	158	151	110
3	85	70	172	503	619	1500	589	231	122	158	153	80
4	80	75	165	475	683	1360	553	222	117	156	161	70
5	85	80	165	458	763	1330	535	216	116	153	168	60
6	89	85	195	514	817	1340	523	202	126	153	168	50
7	87	90	197	651	785	1370	572	191	135	151	161	45
8	85	95	202	634	751	1310	537	173	123	151	153	40
9	83	92	206	567	769	1320	524	175	133	148	148	35
10	80	87	225	510	791	1380	491	172	131	168	148	40
11	80	82	268	476	815	1570	467	169	125	168	144	50
12	75	82	308	457	886	1400	457	166	121	166	139	60
13	70	85	335	462	1040	1170	628	159	121	166	132	70
14	65	85	371	438	1320	998	623	161	119	163	141	75
15	75	87	395	420	1630	895	555	164	114	161	139	80
16	85	103	443	432	1690	938	505	191	111	158	136	90
17	90	102	579	421	1610	986	471	176	122	153	136	100
18	80	99	752	391	1490	911	448	169	117	151	134	110
19	85	98	808	370	1290	825	431	165	119	148	134	112
20	89	111	749	365	1250	776	409	169	125	146	132	116
21	101	108	674	378	1320	853	395	164	119	146	130	148
22	102	103	623	388	1510	855	388	170	127	144	127	201
23	99	100	659	370	1520	836	372	166	142	158	127	181
24	95	98	729	369	1290	824	347	160	138	158	127	184
25	90	95	670	394	1140	794	333	155	148	151	121	166
26	80	94	597	415	1010	829	316	148	147	171	125	168
27	70	102	524	450	933	778	302	142	146	168	104	174
28	60	143	471	537	992	745	285	139	145	168	98	166
29	70	184	443	680	1180	747	275	134	144	156	110	144
30	80	---	415	702	1390	735	265	127	143	148	121	125
31	90	---	401	---	1730	---	257	124	---	151	---	125
TOTAL	2590	2780	13094	14107	34225	33125	14195	5387	3832	4846	4116	3296
MEAN	83.5	89.9	422	470	1104	1104	458	174	128	156	137	106
MAX	102	184	808	702	1730	1980	701	246	148	171	168	201
MIN	60	65	165	365	593	735	257	124	111	144	98	35
CAL YR 1972 TOTAL		135593	MEAN 370		MAY 1980		MIN 35					

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12301300 TOBACCO RIVER NEAR EUREKA, MT.				STREAM		SOURCE AGENCY USGS				
LATITUDE 485337		LONGITUDE 1150513		DRAINAGE AREA 440.00		DATUM 2518.85		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	125	96	123	127	279	599	289	79	102	81	106	145
2	130	90	123	125	268	581	279	78	87	81	97	144
3	166	92	116	127	279	532	259	74	83	81	91	137
4	120	92	114	136	310	492	242	72	81	81	85	128
5	110	90	110	158	345	480	230	72	78	79	93	115
6	100	85	106	179	392	518	224	78	76	79	94	117
7	90	80	108	161	436	613	215	78	76	83	93	125
8	80	75	106	158	460	671	201	76	76	81	94	126
9	70	80	108	156	444	790	195	73	74	79	99	102
10	60	90	110	161	408	671	190	72	72	79	134	102
11	70	95	110	179	370	563	176	72	70	81	175	118
12	80	90	106	218	349	496	168	71	68	87	391	118
13	90	85	102	268	349	480	168	69	66	90	358	115
14	100	81	100	303	404	559	161	69	66	85	298	113
15	110	81	100	293	527	622	153	63	68	85	250	108
16	120	83	100	265	698	545	146	61	69	85	234	121
17	130	83	106	255	885	484	136	60	69	81	215	165
18	140	83	106	255	1010	440	130	61	69	79	189	162
19	136	81	104	230	990	408	123	60	76	79	176	152
20	130	83	104	215	925	384	121	58	98	78	173	136
21	119	83	112	209	743	373	123	57	112	79	160	141
22	108	85	119	221	631	384	125	57	108	81	153	136
23	108	83	125	262	595	424	119	57	100	83	147	132
24	106	83	123	307	608	432	114	60	102	90	141	128
25	106	94	127	314	730	408	108	64	96	92	138	128
26	105	116	141	314	712	384	104	60	92	93	135	120
27	100	119	146	338	599	356	100	61	88	91	130	116
28	90	112	139	366	523	338	94	68	87	90	134	105
29	80	---	130	352	492	321	88	71	87	118	143	100
30	85	---	127	317	476	303	88	71	83	121	149	85
31	95	---	127	---	541	---	85	83	---	111	---	80
TOTAL	3259	2490	3578	6969	16787	14651	4954	2105	2479	2683	4875	3820
MEAN	105	88.9	115	232	502	488	160	67.9	82.6	86.5	163	123
MAX	166	119	146	366	1010	790	289	83	112	121	391	165
MIN	60	75	100	125	268	303	85	57	66	78	85	80
CAL YR 1973 TOTAL		68650	MEAN 188		MAY 1010		MIN 57					

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12301300 TOBACCO RIVER NEAR EUREKA, MT.				440.00		STREAM		SOURCE AGENCY USGS			
LATITUDE 485337	LONGITUDE 1150513	DRAINAGE AREA		DRAINAGE AREA		DATUM 2518.85		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.75	194	140	332	1240	963	1010	241	125	93	93	92
2	70	200	140	317	1240	995	953	225	121	84	91	86
3	65	194	135	313	1030	1190	878	222	118	86	91	92
4	60	192	130	305	943	1340	821	212	118	86	89	91
5	55	186	135	298	995	1270	807	203	116	87	87	92
6	65	172	132	324	1170	1120	793	197	118	86	91	91
7	75	163	118	358	1390	1070	750	197	112	86	95	91
8	70	163	121	369	1420	995	720	194	107	86	97	89
9	65	163	121	399	1350	958	691	194	116	86	95	88
10	60	155	130	419	1160	1010	672	197	152	86	95	90
11	80	155	130	469	1020	1120	788	216	155	84	93	91
12	100	150	132	516	918	1420	784	209	137	82	101	91
13	130	155	147	495	844	1690	681	197	128	82	105	89
14	180	155	140	469	779	1810	626	189	121	82	103	88
15	250	147	135	512	720	1840	608	206	116	80	100	84
16	565	147	140	595	672	2100	586	203	114	79	98	85
17	913	147	178	644	630	2270	540	186	112	77	94	90
18	745	145	186	676	621	2300	508	175	109	77	100	83
19	586	135	192	691	621	2170	500	172	107	75	99	85
20	500	120	161	730	595	2160	473	175	103	77	104	87
21	365	105	189	720	590	2050	443	166	103	75	117	95
22	317	110	166	658	617	1790	415	158	101	77	135	97
23	302	105	158	662	695	1750	387	150	99	75	130	72
24	305	105	180	788	775	1770	361	145	105	75	117	76
25	302	110	169	1100	821	1690	340	140	97	75	110	91
26	274	115	183	1460	953	1550	320	135	93	89	101	88
27	251	125	203	1520	1160	1330	302	130	91	93	98	94
28	238	135	270	1430	1160	1150	291	125	89	93	74	83
29	228	---	358	1200	1080	1060	277	123	89	93	84	72
30	212	---	361	1120	1030	995	267	121	89	93	92	82
31	189	---	351	---	1020	---	254	121	---	93	---	69
TOTAL	7692	4148	5431	19889	29259	44926	17846	5524	3361	2592	2979	2694
MEAN	248	148	175	663	944	1498	576	178	112	83.6	99.3	86.9
MAX	913	200	361	1520	1420	2300	1010	241	155	93	135	97
MIN	55	105	118	298	590	958	254	121	89	75	74	69

CAL YR 1974 TOTAL 146341 MEAN 401 MAX 2300 MIN 55

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12301300 TOBACCO RIVER NEAR EUREKA, MT.				440.00		STREAM		SOURCE AGENCY USGS			
LATITUDE 485337	LONGITUDE 1150513	DRAINAGE AREA		DRAINAGE AREA		DATUM 2518.85		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	83	70	84	75	268	905	429	189	152	99	140	130
2	79	70	112	82	279	995	442	163	145	99	138	198
3	84	70	156	84	319	1190	476	152	145	96	156	278
4	84	65	125	82	403	1150	503	142	152	106	186	423
5	82	55	111	75	407	1100	489	135	147	109	198	556
6	87	50	89	84	390	1120	454	114	140	116	196	428
7	84	65	100	87	407	1090	433	109	140	131	189	319
8	86	60	90	85	503	952	403	107	135	149	182	296
9	76	65	87	79	615	854	369	99	130	136	174	309
10	72	75	88	83	688	766	338	95	125	127	164	316
11	65	85	85	95	793	777	309	91	121	129	150	294
12	70	84	81	106	854	821	286	89	118	124	153	260
13	75	93	85	118	899	905	275	86	116	121	145	217
14	80	91	81	133	971	888	261	84	114	120	147	198
15	85	85	81	139	1140	832	251	82	109	127	150	212
16	84	84	83	137	1400	871	248	84	109	121	154	192
17	84	84	84	143	1300	843	235	91	128	119	157	175
18	92	83	88	150	1210	771	228	99	128	117	134	176
19	91	82	103	156	1250	739	212	97	123	117	112	187
20	95	82	104	168	1030	713	203	91	121	124	103	184
21	90	75	93	174	815	663	192	87	114	125	115	173
22	90	78	93	187	734	638	183	82	112	128	131	163
23	90	80	89	202	708	629	175	89	118	129	133	161
24	89	83	89	219	734	658	163	155	114	125	141	164
25	86	80	88	238	683	739	152	147	112	122	125	166
26	85	75	79	272	601	687	150	132	109	129	128	165
27	80	78	74	338	550	605	142	125	107	124	115	167
28	75	81	78	357	525	555	137	116	105	123	108	156
29	75	---	88	301	596	494	140	142	103	121	100	154
30	70	---	89	272	682	450	166	145	101	122	90	163
31	65	---	79	---	821	---	180	142	---	151	---	153
TOTAL	2533	2128	2856	4721	22575	24400	8624	3561	3693	3786	4314	7133
MEAN	81.7	76.0	92.1	157	728	813	278	115	123	122	144	230
MAX	95	93	156	357	1400	1190	503	189	152	151	198	556
MIN	65	50	74	75	268	450	137	82	101	96	90	130

CAL YR 1975 TOTAL 90324 MEAN 247 MAX 1400 MIN 50

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12301300 TOBACCO RIVER NEAR FUREKA, MT.				DRAINAGE AREA		440.00		STREAM		SOURCE AGENCY USGS	
LATITUDE 485337		LONGITUDE 1150513		DRAINAGE AREA		440.00		DATUM 2518.85		STATE 30		COUNTY 053	
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976													
MEAN VALUES													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	134	122	80	179	488	787	651	178	174	112	120	93	
2	153	122	70	180	642	723	593	174	165	120	124	93	
3	145	115	75	154	857	661	548	179	162	127	117	93	
4	158	70	80	164	1030	625	526	178	154	122	111	90	
5	155	60	90	196	1060	585	505	186	149	121	109	76	
6	144	80	110	237	1130	571	480	184	149	122	107	90	
7	141	120	113	299	1160	565	469	202	149	118	105	91	
8	133	135	108	400	1280	587	501	222	144	118	104	95	
9	144	133	107	540	1480	686	496	238	140	115	103	94	
10	131	115	111	599	1600	756	442	217	135	114	103	87	
11	131	113	116	692	2040	721	409	202	132	112	101	90	
12	129	121	95	854	1820	675	410	192	133	109	99	84	
13	120	125	110	1060	1350	652	426	182	131	109	94	82	
14	125	127	104	1060	1310	619	381	181	128	107	84	80	
15	135	125	100	859	1210	588	350	197	124	108	92	83	
16	130	119	104	710	1070	667	328	255	121	106	100	87	
17	134	115	116	607	1040	752	310	276	120	109	103	85	
18	144	114	131	529	986	787	295	251	121	105	105	83	
19	130	112	131	481	918	751	280	228	117	104	107	73	
20	120	110	122	449	1000	719	271	229	114	103	97	57	
21	120	109	113	443	941	701	268	215	111	103	83	65	
22	128	109	110	415	859	691	252	204	109	104	96	73	
23	145	113	114	389	869	727	237	211	106	106	94	81	
24	139	117	116	375	1110	688	226	205	108	104	98	78	
25	136	122	116	398	1170	677	224	200	105	110	117	76	
26	127	117	117	409	985	640	211	220	125	109	86	82	
27	137	113	113	388	863	597	198	214	123	107	66	87	
28	132	111	112	384	1010	571	188	205	120	106	88	76	
29	131	109	111	384	973	577	182	196	117	105	93	74	
30	128	---	116	407	858	622	198	187	114	103	94	75	
31	124	---	136	---	838	---	193	179	---	103	---	69	
TOTAL	4183	3273	3347	14241	33947	19968	11048	6387	3920	3421	3000	2542	
MEAN	135	113	108	475	1095	666	356	206	131	110	100	82.0	
MAX	158	135	136	1060	2040	787	651	276	174	127	124	95	
MIN	120	60	70	154	488	565	182	174	106	103	66	57	
CAL YR 1976	TOTAL 109277	MEAN 299			MAX 2040	MIN 57							

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12301300 TOBACCO RIVER NEAR FUREKA, MT.				DRAINAGE AREA		440.00		STREAM		SOURCE AGENCY USGS	
LATITUDE 485337		LONGITUDE 1150513		DRAINAGE AREA		440.00		DATUM 2518.85		STATE 30		COUNTY 053	
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977													
MEAN VALUES													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	60	58	74	75	338	285	100	60	54	67	79	95	
2	54	60	74	70	411	321	91	57	51	63	90	94	
3	57	62	72	73	575	318	89	53	53	60	98	112	
4	56	60	69	75	526	317	89	56	61	58	94	109	
5	50	58	71	84	433	355	96	53	47	57	88	108	
6	60	58	71	95	359	373	91	52	80	57	85	112	
7	70	59	77	110	325	391	90	53	72	58	86	116	
8	76	59	86	135	324	415	82	51	72	63	80	97	
9	82	60	89	178	331	406	78	45	68	65	79	84	
10	84	62	90	187	408	349	79	46	63	61	81	75	
11	84	68	83	165	558	314	81	44	61	59	82	90	
12	84	74	81	151	548	288	80	43	58	58	80	100	
13	82	93	79	150	481	271	100	46	57	61	81	124	
14	76	88	75	153	451	254	102	59	55	79	86	144	
15	69	85	72	145	420	240	88	61	53	79	87	144	
16	68	82	72	140	391	237	79	55	52	79	85	136	
17	68	82	71	155	363	228	75	51	58	78	85	119	
18	74	78	70	154	336	206	74	47	59	77	81	114	
19	84	79	71	141	312	192	73	44	60	76	60	108	
20	77	77	64	133	293	180	71	42	60	75	50	104	
21	74	78	74	128	288	175	67	42	59	74	40	70	
22	76	80	71	124	300	163	65	43	57	74	50	75	
23	74	80	74	138	310	153	60	43	56	74	65	80	
24	74	79	80	172	370	143	57	42	59	74	80	70	
25	72	75	79	246	362	134	63	48	62	78	90	65	
26	71	74	81	331	341	127	76	50	59	78	122	60	
27	66	73	80	358	337	132	86	49	60	79	118	62	
28	62	70	80	341	311	122	83	49	60	77	111	62	
29	60	---	76	325	292	105	73	55	70	77	115	65	
30	58	---	71	316	276	101	69	55	69	78	103	70	
31	56	---	75	---	271	---	64	54	---	80	---	60	
TOTAL	2158	2011	2352	5048	11641	7295	2471	1548	1855	2173	2531	2924	
MEAN	69.6	71.8	75.9	168	376	243	79.7	49.9	61.8	70.1	84.4	94.3	
MAX	84	93	90	358	575	415	102	61	97	80	122	144	
MIN	50	58	64	70	271	101	57	42	51	57	40	60	
CAL YR 1977	TOTAL 44007	MEAN 121			MAX 575	MIN 40							

TABLE 79. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12301300 TOBACCO RIVER NEAR EUREKA, MT.				STREAM		SOURCE AGENCY USGS					
LATITUDE 485337	LONGITUDE 1150513	DRAINAGE AREA 440.00		DATUM 2518.85	STATE 30	COUNTY 053						
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	50	70	64	831	845	702	621	183	141	129	103	96
2	52	72	62	651	901	721	579	172	132	124	104	93
3	55	74	60	529	933	791	556	163	126	121	104	92
4	65	75	62	457	868	943	544	155	120	121	140	91
5	75	76	64	429	757	1110	547	150	117	119	155	86
6	80	77	66	406	667	1290	503	144	120	117	140	117
7	75	77	69	365	617	1290	471	138	127	116	130	101
8	72	78	72	339	587	1250	450	132	140	114	126	127
9	68	78	83	324	615	1250	476	126	138	114	127	186
10	65	76	83	318	804	1090	474	124	134	114	110	117
11	66	74	84	342	945	956	455	119	139	113	135	101
12	68	70	82	368	848	862	424	117	156	109	115	102
13	70	65	77	346	728	846	388	122	153	108	116	94
14	70	68	75	331	751	889	361	125	151	110	107	86
15	72	70	72	317	1040	843	337	136	148	108	102	94
16	74	72	75	319	1250	779	333	155	151	107	112	89
17	77	74	73	375	1140	709	339	170	147	106	117	83
18	76	73	94	372	1070	693	335	166	143	107	106	82
19	74	72	103	352	1050	720	348	158	142	105	82	86
20	74	72	118	376	1050	696	320	169	141	105	103	84
21	73	72	148	486	1090	708	301	160	137	108	125	87
22	74	72	159	509	1200	724	284	154	140	104	121	84
23	72	75	176	452	1180	744	267	162	143	103	127	88
24	70	76	244	414	1050	749	251	155	146	105	119	82
25	72	70	275	393	970	737	236	149	140	102	110	107
26	72	72	301	428	850	699	233	159	133	101	103	95
27	72	69	337	564	752	665	217	158	131	103	100	85
28	71	69	393	751	746	644	208	153	133	105	101	111
29	71	---	433	852	762	643	198	148	131	113	97	106
30	70	---	526	856	755	650	190	128	129	110	107	170
31	68	---	717	---	717	---	184	130	---	105	---	514
TOTAL	2163	2038	5247	13852	27538	25393	11430	4580	4129	3426	3434	3536
MEAN	69.8	72.8	169	462	888	846	369	148	138	111	114	114
MAX	80	78	717	856	1250	1290	621	183	156	129	155	514
MIN	50	65	60	317	587	643	184	117	117	101	82	82
CAL YR 1978 TOTAL	106766		MEAN 293		MAX 1290	MIN 50						

TABLE 80. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
ELK RIVFR AT PHILLIPS BRIDGE NEAR ELKO, STATION NO. BNK-5

DAILY DISCHARGE, IN CURIC FEET PER SECOND FOR THE YEAR 1972

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	730	640	1000	1770	3390	28700	8610	3920	1980	1670	1390	1080	
2	740	630	950	2320	3510	28500	7660	4090	1930	1860	1420	941	
3	680	630	903	2230	3910	26000	6650	4110	1870	1750	1440	780	
4	630	640	873	2070	4710	22600	6190	3820	1790	1810	1420	620	
5	595	650	846	2000	5070	21000	6020	3570	1710	1780	1530	495	
6	630	655	1150	2450	5120	21100	6100	3490	2110	1710	1700	395	
7	690	645	1210	2660	4740	21300	6600	3230	2180	1650	1420	338	
8	710	645	1090	2470	4370	20400	6580	3300	2020	1650	1590	368	
9	720	650	1010	2260	4160	20300	6620	3260	2000	1790	1300	400	
10	715	655	1100	2050	4100	21800	6390	3210	2010	2090	1400	420	
11	680	640	1460	1980	4330	23800	5660	3100	2010	1890	1380	450	
12	630	645	1540	1890	5520	20300	5410	2980	1860	1900	1360	490	
13	560	645	1670	1810	7710	16100	6660	2870	1840	1790	1260	515	
14	490	645	2120	1770	11200	12700	6770	2690	1790	1890	1260	570	
15	560	645	2100	1780	14800	11600	6360	2690	1760	1900	1430	600	
16	630	645	2380	1810	14900	12100	5930	2660	1730	1890	1190	595	
17	710	645	3200	1780	14200	13400	5540	2570	1650	1840	1220	655	
18	700	645	3500	1640	13400	12800	5500	2460	1760	1850	1230	780	
19	640	660	3700	1600	12900	11500	5790	2410	1610	1780	1200	800	
20	640	680	3510	1570	13400	10500	5230	2390	1680	1790	1170	960	
21	660	700	3070	1660	14500	9790	4920	2410	1640	1700	1160	1140	
22	720	720	2680	1690	16100	9260	4890	2410	1960	1670	1150	1270	
23	670	710	2910	1620	15500	9310	4890	2350	1890	1700	1140	1430	
24	560	695	3040	1680	13500	9420	4880	2670	1850	1780	1140	1600	
25	575	680	2760	1850	12700	9110	4900	2470	1710	1780	1110	1420	
26	560	675	2480	2060	11500	8990	4830	2360	1710	1780	1120	1320	
27	480	675	2110	2310	10700	8600	4690	2260	1680	1770	1060	1290	
28	495	889	2000	3100	11700	8070	4500	2120	1660	1620	951	1220	
29	480	1120	1850	3560	15200	8690	4350	2110	1580	1570	965	1160	
30	580	---	1720	3560	19400	8960	4200	2070	1630	1480	1080	980	
31	640	---	1680	---	24400	---	3940	2020	---	1520	---	860	(YEAR)
TOTAL	19500	19799	61612	63000	320640	466700	177260	88070	54600	54650	38186	25882	1389899.
MEAN	629	683	1987	2100	10343	15557	5718	2841	1820	1763	1273	835	3798
MAX	740	1120	3700	3560	24400	28700	8610	4110	2180	2090	1700	1600	28700
MIN	480	630	846	1570	3390	8070	3940	2020	1580	1480	951	338	338

DAILY DISCHARGE, IN CURIC FEET PER SECOND FOR THE YEAR 1973

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	890	470	860	1190	2400	9710	5200	1640	1210	947	1020	1150	
2	820	480	895	1190	2380	9730	4750	1620	1190	919	980	1200	
3	720	530	880	1200	2660	8800	4050	1590	1130	947	944	1170	
4	680	540	885	1260	3090	8050	3830	1580	1070	925	891	1100	
5	610	540	885	1030	3410	7990	3860	1580	1080	925	786	987	
6	570	540	885	1640	4240	8650	3820	1630	1070	903	769	995	
7	570	490	885	1420	4660	11000	3870	1630	1100	968	772	1130	
8	570	410	885	1340	4850	13500	3490	1570	1120	956	803	1110	
9	640	420	890	1350	4490	17700	3170	1470	1070	964	800	991	
10	550	450	895	1380	3940	18200	3030	1460	1060	903	1010	893	
11	550	490	895	1570	3600	10900	3010	1440	1130	873	1630	1010	
12	600	560	890	1870	3400	7100	2920	1430	1020	867	3290	1050	
13	670	660	860	2170	4040	6900	2830	1400	981	956	2880	1000	
14	750	650	840	2250	5420	7200	2700	1380	1040	984	2210	986	
15	840	620	840	2040	7180	7150	2590	1360	988	959	1890	945	
16	940	630	840	2010	9410	7510	2470	1320	987	939	1790	1030	
17	1020	630	855	2010	12300	6740	2460	1290	975	924	1640	1260	
18	1120	690	890	1930	14800	6100	2430	1260	944	913	1400	1250	
19	1050	710	1010	1820	14300	5730	2370	1250	939	908	1360	1110	
20	910	720	1000	1740	13200	5640	2250	1230	992	907	1260	1030	
21	790	720	1050	1710	10700	6010	2300	1200	1030	930	1230	1060	
22	710	710	1110	1840	9070	6570	2380	1180	1010	974	1180	1060	
23	690	710	1170	2110	8810	7260	2260	1250	1030	934	1150	1030	
24	660	710	1190	2360	8760	7640	2140	1090	1080	994	1100	991	
25	640	710	1270	2350	10100	7290	2050	1030	1020	1060	1090	983	
26	630	730	1450	2280	10200	7010	1940	1100	1030	1020	1070	941	
27	590	740	1360	2700	8830	6680	1900	969	963	977	1030	912	
28	540	770	1270	2940	7660	6180	1820	1020	974	958	1190	859	
29	490	---	1210	2720	7020	5870	1780	1010	950	1170	1390	777	
30	495	---	1170	2550	7270	5600	1710	998	928	1110	1190	751	
31	490	---	1190	---	8610	---	1690	1140	---	1100	---	710	(YEAR)
TOTAL	21795	17030	31205	56370	220800	250410	87070	41117	31111	29814	39825	31471	858018.
MEAN	703	608	1007	1879	7123	8347	2809	1326	1037	962	1328	1915	2351
MAX	1120	770	1450	2940	14800	18200	5200	1640	1210	1170	3290	1260	18200
MIN	490	410	840	1190	2380	5600	1690	969	928	867	769	710	410

LAT. 49 12 54; LONG. 115 06 38  
BRITISH COLUMBIA, AT PHILLIPS BRIDGE, 2 MILES BELOW MOUTH OF WIGWAM RIVER, 5.8 MILES SOUTH OF ELKO.

TABLE 80. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
ELK RIVER AT PHILLIPS BRIDGE NEAR ELKO, STATION NO. 8NK-5

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	513	890	750	1340	8160	10200	11400	3510	1930	1190	796	760	
2	505	1020	739	1320	7690	11100	10600	3430	1850	1180	792	756	
3	493	1060	717	1290	6660	14400	9410	3300	1770	1160	784	782	
4	485	1070	718	1250	6340	16800	8720	3160	1700	1150	775	766	
5	464	1030	715	1200	7010	15900	8750	3080	1650	1160	770	765	
6	447	969	700	1450	9250	14200	8710	3030	1610	1140	676	758	
7	430	878	685	1680	11500	13100	8100	2990	1580	1120	797	749	
8	415	873	680	1610	13700	12100	7680	2910	1560	1100	1020	741	
9	400	902	670	1740	13500	11600	7550	2780	1630	1090	818	745	
10	386	903	670	1880	11600	12100	7370	2750	1840	1070	801	754	
11	374	887	715	2140	9820	13500	7970	2840	1990	1060	783	753	
12	374	876	715	2370	8790	17800	8040	2770	1770	1050	857	751	
13	510	854	715	2380	7940	21800	7030	2860	1680	1020	692	750	
14	700	837	735	2570	7340	24000	6470	2780	1590	995	695	749	
15	2380	823	740	2700	6810	24200	6340	2670	1540	975	747	722	
16	6460	823	735	3090	6250	26200	6340	2500	1490	950	745	719	
17	6460	822	730	3050	5730	27900	6160	2400	1440	930	744	754	
18	5780	811	730	3220	5340	28300	5820	2380	1410	911	741	752	
19	3740	807	735	3610	5100	27200	5870	2370	1380	902	843	742	
20	2550	785	745	3830	4860	25800	5960	2380	1360	894	850	753	
21	1820	748	760	3800	4970	23600	5840	2360	1320	892	1510	822	
22	1680	765	790	3630	5430	21400	5450	2330	1300	876	1680	894	
23	1720	739	799	3850	6550	20900	5130	2280	1270	867	1300	745	
24	1680	734	836	5100	7490	21000	4860	2230	1250	861	1100	691	
25	1820	729	842	7520	8330	20100	4600	2170	1230	853	1030	665	
26	1730	744	884	9180	11700	18500	4400	2110	1220	844	982	727	
27	1650	758	984	8980	15700	15800	4190	2060	1270	832	871	735	
28	1580	737	1330	7590	14800	12900	4010	2000	1260	825	788	744	
29	1160	---	1610	7250	13200	11900	3840	1970	1240	815	723	707	
30	774	---	1550	7050	12000	12400	3760	1920	1210	807	748	685	
31	782	---	1450	---	10700	---	3490	1870	---	800	---	682	(YEAR)
TOTAL	50262	23874	26174	107670	274260	546700	203860	80190	45340	30319	26458	23118	1438225.
MEAN	1621	853	844	3589	8847	18223	6576	2587	1511	978	882	746	3940
MAX	6460	1070	1610	9180	15700	28300	11400	3510	1990	1190	1680	894	28300
MIN	374	729	670	1200	4860	10200	3490	1870	1210	800	676	665	374

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1975

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	651	560	652	664	2260	10700	6150	3120	2430	1050	1280	1110	
2	654	560	722	629	2370	11700	6420	3020	2280	1020	1430	1520	
3	662	550	768	664	2750	13700	7300	2890	2230	1000	2170	3760	
4	660	540	771	676	3220	14300	8220	2750	2100	1190	2630	6500	
5	675	510	771	658	3070	14800	8420	2400	1930	1270	2970	4460	
6	712	500	770	639	2890	15500	8260	2370	1840	1360	2740	2910	
7	748	500	768	652	2990	14500	8180	2260	1730	1380	2460	2350	
8	742	515	761	665	3570	12400	8690	2190	1630	1400	2160	2130	
9	719	530	747	655	4370	10700	8090	2160	1570	1290	1990	3400	
10	590	535	736	648	5010	9710	7290	2020	1490	1260	1800	4060	
11	515	550	726	672	5830	9720	6990	1920	1450	1280	1670	3050	
12	545	565	738	740	6560	10400	6560	1840	1410	1280	1520	2480	
13	580	580	719	780	7390	11200	6210	1750	1370	1250	1440	2020	
14	600	610	728	877	8240	11300	5680	1670	1330	1230	1410	1900	
15	625	630	719	935	9470	10800	5470	1630	1290	1300	1650	1620	
16	640	650	743	1160	11200	10900	5220	1650	1250	1170	1840	1510	
17	660	665	754	1190	11400	10600	4720	1830	1570	1170	1630	1410	
18	685	680	760	1260	11300	10000	4400	1930	1620	1170	1460	1460	
19	695	695	767	1370	10500	9970	4070	1930	1440	1240	1210	1500	
20	710	700	767	1530	8720	12400	3790	1870	1360	1400	1000	1460	
21	715	695	764	1440	7440	11200	3490	1780	1280	1520	978	1290	
22	720	670	763	1530	6830	10800	3290	1680	1260	1280	1150	1220	
23	710	650	761	1660	6730	10400	3170	1820	1220	1100	1220	1180	
24	690	635	756	1720	7010	10100	3020	2270	1190	1140	1230	1210	
25	670	610	752	1760	6450	10800	2840	2170	1150	1160	1090	1250	
26	640	600	725	1970	5920	10500	2790	2080	1130	1150	1040	1200	
27	610	586	673	2830	5730	9340	2730	2000	1110	1100	971	1270	
28	590	586	644	2710	6040	8370	2600	1970	1100	1100	923	1140	
29	580	---	639	2520	6970	7240	2710	2170	1080	1100	1060	1070	
30	565	---	692	2330	8320	6480	2980	2380	1060	1300	1130	1280	
31	560	---	700	---	9980	---	3160	2390	---	1570	---	1110	(YEAR)
TOTAL	20118	16657	22756	37534	200530	330530	162910	65910	44900	38250	47252	63830	1051177.
MEAN	649	595	734	1251	6469	11018	5255	2126	1497	1234	1575	2059	2880
MAX	748	700	771	2830	11400	15500	8690	3120	2430	1570	2970	6500	15500
MIN	515	500	639	629	2260	6480	2600	1630	1060	1000	923	1070	500

LAT. 49 12 54; LONG. 115 06 38  
BRITISH COLUMBIA, AT PHILLIPS BRIDGE, 2 MILES BELOW MOUTH OF WIGWAM RIVER, 5.8 MILES SOUTH OF ELKO.

TABLE 80 \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
 FLK RIVER AT PHILLIPS BRIDGE NEAR FLK, STATION NO. RPK-5  
 DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1976

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(YFAR)
1	956	840	560	877	3110	8010	7720	2750	2640	1420	1270	845	
2	947	828	500	859	4520	7280	7170	2730	2580	1460	1230	835	
3	1070	807	560	903	6010	6700	6630	2830	2500	1500	1130	825	
4	1030	707	500	1040	7470	6200	6350	2750	2440	1440	1050	821	
5	1110	693	560	1270	7790	5930	6180	3160	2330	1390	1040	797	
6	883	745	640	1600	8580	5930	6100	6620	2260	1430	1010	768	
7	802	761	707	2300	9120	5960	6030	5830	2250	1330	988	783	
8	889	796	704	2830	10500	6080	6200	5310	2240	1310	973	879	
9	947	796	664	3650	12100	7720	6040	7720	2200	1280	955	926	
10	998	760	697	4200	13700	8720	5620	6540	2090	1260	932	878	
11	943	742	729	4980	17000	8280	5260	5710	2070	1240	911	822	
12	955	714	693	5790	14000	8110	5250	5140	2070	1210	874	835	
13	885	751	644	6140	12000	7730	5560	4580	2050	1180	835	800	
14	870	753	659	5860	13600	7050	5130	4300	2050	1160	779	782	
15	901	747	647	4660	12000	6600	4920	4240	2020	1150	789	810	
16	998	732	650	3980	10500	6660	4620	4940	1940	1140	859	804	
17	1100	733	692	3410	10200	7340	4420	5210	1890	1150	907	835	
18	1160	721	792	3090	9640	7500	4330	4780	1880	1140	1000	836	
19	1060	712	887	2840	9120	7940	4220	4360	1840	1060	931	834	
20	980	694	828	2660	9900	8270	4130	4820	1810	1080	891	810	
21	939	687	761	2610	9310	8230	3940	4590	1760	1070	816	784	
22	903	690	749	2380	8800	7800	3660	4190	1700	1050	837	778	
23	948	699	788	2320	8980	7630	3470	3860	1630	1050	854	767	
24	846	702	780	2200	10700	7250	3320	3660	1610	1010	871	790	
25	774	704	764	2430	11400	7050	3240	3060	1610	1050	934	768	
26	786	693	737	2380	10200	6370	3080	3700	1570	993	852	784	
27	807	682	722	2270	9270	5820	3000	3540	1500	1000	760	793	
28	898	602	707	2210	10500	5690	2800	3350	1520	976	731	844	
29	902	586	718	2180	10400	6010	2790	3150	1480	1020	761	802	
30	900	---	729	2380	9400	6250	2810	2910	1450	992	820	709	
31	873	---	811	---	8600	---	2900	2770	---	1000	---	640	
TOTAL	29060	21097	21679	85959	308660	213440	146980	133500	59060	36561	27590	25033	1108619.
MEAN	937	727	699	2865	9957	7115	4741	4306	1964	1179	920	808	3029
MAX	1160	840	887	6140	17000	8720	7720	7720	2640	1500	1270	926	17000
MIN	774	586	500	859	3110	5690	2790	2730	1450	976	731	640	540

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1977

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(YFAR)
1	600	658	615	611	4440	3430	1900	1240	1510	1180	868	720	
2	574	668	622	608	4850	4310	1850	1220	1460	1150	1220	709	
3	504	660	617	598	5690	4340	1770	1230	1440	1130	1150	790	
4	619	658	602	619	4870	4160	1730	1170	1430	1020	1020	740	
5	543	646	598	719	4180	4390	1690	1230	1750	1050	959	701	
6	589	643	605	906	3570	4490	1630	1200	1660	1090	924	767	
7	639	631	653	1120	3220	4910	1560	1210	1580	1010	914	700	
8	614	605	787	1370	3350	4570	1490	1220	1560	1010	805	572	
9	636	607	687	1850	3830	5850	1450	1250	1510	1010	761	560	
10	671	611	653	1800	4900	5340	1420	1250	1480	991	814	545	
11	679	640	627	1570	4720	4580	1410	1210	1380	957	784	595	
12	707	675	612	1430	4270	4060	1430	1170	1330	919	807	640	
13	748	744	613	1450	5510	3790	1450	1210	1280	981	821	605	
14	783	704	616	1450	5110	3570	1440	1310	1230	930	881	750	
15	793	651	598	1380	4740	3490	1410	1430	1210	933	868	745	
16	792	653	600	1350	4380	3410	1380	1440	1210	922	826	755	
17	824	659	595	1360	4630	3080	1370	1410	1240	993	801	765	
18	953	659	589	1300	3720	3370	1390	1330	1230	888	761	730	
19	1220	650	590	1230	3410	3200	1400	1270	1200	870	692	700	
20	991	641	584	1170	3100	3080	1410	1260	1210	850	565	675	
21	893	661	587	1130	3170	3000	1380	1250	1190	840	450	655	
22	820	666	604	1120	3330	2910	1340	1310	1180	808	445	640	
23	762	655	611	1320	3530	2790	1270	1380	1170	828	450	610	
24	709	643	624	1070	3460	2650	1240	1520	1170	815	470	585	
25	698	633	628	3070	3980	2550	1270	1700	1200	855	515	560	
26	663	621	624	4170	3970	2430	1330	1660	1190	857	580	530	
27	654	615	631	4230	3900	2360	1460	1610	1160	859	635	560	
28	665	608	621	3970	3660	2270	1370	1540	1140	838	700	600	
29	670	---	599	3940	3530	2170	1330	1730	1200	846	775	635	
30	685	---	594	4030	3580	2040	1300	1740	1210	861	764	655	
31	676	---	608	---	3240	---	1270	1610	---	916	---	565	
TOTAL	22374	18215	19194	52841	129736	107990	45180	42310	39660	29151	23065	20368	550078.
MEAN	722	651	619	1761	4185	3600	1457	1365	1322	940	769	657	1507
MAX	1220	790	787	4230	6720	5850	1900	1740	1750	1180	1220	790	6720
MIN	504	605	584	598	3140	2040	1200	1170	1100	815	445	530	445

LAT. 49 12 54; LONG. 115 06 38  
 BRITISH COLUMBIA, AT PHILLIPS BRIDGE, 2 MILES BELOW MOUTH OF WIGWAM RIVER, 5.8 MILES SOUTH OF FLK.

TABLE 80 \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
ELK RIVER AT PHILLIPS BRIDGE NEAR ELKO, STATION NO. ANK-5

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1978

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	500	435	550	2950	5300	5860	6590	2550	1550	1700	1010	830	
2	450	440	520	2440	5830	6160	6100	2450	1500	1600	962	805	
3	405	458	505	2070	6260	7410	5810	2330	1440	1570	978	800	
4	405	478	505	1880	5660	9890	5580	2220	1410	1510	1440	820	
5	415	495	520	1860	4830	12900	5480	2120	1420	1470	1380	775	
6	435	505	530	1720	4180	16200	5280	2050	1470	1430	1200	740	
7	442	515	575	1600	3840	16500	5230	2010	1490	1390	1230	690	
8	445	515	590	1560	3640	15900	5330	1960	1700	1360	1280	690	
9	450	510	634	1530	4100	15600	5410	1910	1880	1330	1150	720	
10	455	495	636	1550	6030	13700	5590	1890	1770	1290	940	750	
11	460	480	633	1800	6540	11200	5470	1840	1730	1310	900	770	
12	465	470	625	1940	5920	9320	4780	1810	1750	1280	960	760	
13	460	458	617	1810	5240	8530	4480	1790	1800	1250	970	700	
14	458	444	597	1700	5470	8630	4160	1740	1730	1230	960	680	
15	455	450	591	1620	7720	8290	3980	1750	1760	1210	970	695	
16	455	450	586	1580	8270	7610	3850	1760	1940	1190	1020	690	
17	455	465	591	1610	7550	6940	3900	1850	1840	1160	960	700	
18	450	475	646	1560	7440	7020	4280	1810	1740	1140	780	730	
19	450	480	722	1530	7600	7760	4830	1770	1680	1130	710	760	
20	450	480	754	1640	8600	7240	4420	1820	1590	1120	710	745	
21	453	485	903	1860	10200	7190	4050	1780	1550	1120	730	730	
22	458	500	1100	1910	12200	7520	3780	1720	1560	1120	760	710	
23	460	520	1160	1810	12100	7840	3580	1920	1660	1080	970	690	
24	458	545	1380	1740	10200	7890	3400	1860	1730	1090	1090	695	
25	455	586	1450	1700	8540	7590	3260	1750	1670	1080	1120	670	
26	455	571	1660	2020	7230	7370	3120	1650	1640	1130	1040	655	
27	455	568	2020	2780	6370	6970	3010	1590	1600	1040	980	640	
28	455	581	2120	4330	6120	6780	2900	1530	1610	1050	930	580	
29	450	580	2170	5300	6440	6800	2790	1530	1600	1080	890	540	
30	435	---	2560	5230	6200	6830	2680	1450	1600	1050	860	510	
31	435	---	3440	---	5950	---	2600	1440	---	1020	---	470	
TOTAL	13929	14434	31890	64630	211570	275440	135720	57650	49410	38530	29900	21740	940843.
MEAN	449	498	1029	2154	6825	9181	4378	1860	1647	1243	997	701	2582
MAX	500	586	3440	5300	12200	16500	6590	2550	1940	1700	1440	830	16500
MIN	405	435	505	1530	3640	5860	2600	1440	1410	1020	710	470	405

LAT. 49 12 54; LONG. 115 06 38  
BRITISH COLUMBIA, AT PHILLIPS BRIDGE, 2 MILES BELOW MOUTH OF WIGWAM RIVER, 5.8 MILES SOUTH OF ELKO.



TABLE 81. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
BULL RIVER NEAR WARDNER, STATION NO. 8NG-2

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1972

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	235	205	348	721	1410	11800	4000	1970	734	624	473	347	
2	253	203	317	940	1500	10300	3190	2080	687	731	468	308	
3	253	200	264	878	1650	8730	2730	1880	659	763	470	234	
4	237	200	254	831	1960	7510	2710	1680	638	801	495	179	
5	223	203	256	810	2150	7580	2970	1670	631	787	503	240	
6	218	202	382	1150	2150	8240	3240	1640	973	751	498	263	
7	218	201	341	1260	1960	8450	3580	1660	959	731	482	244	
8	219	200	313	1120	1820	7870	3360	1620	841	737	474	233	
9	219	199	305	1030	1730	8110	3350	1620	846	785	464	266	
10	220	198	353	906	1800	9110	2810	1560	831	913	459	295	
11	219	181	453	846	2070	9690	2340	1500	767	859	438	298	
12	217	187	461	784	2710	7080	2460	1450	738	831	431	311	
13	200	206	498	738	3920	5130	3720	1380	693	785	421	307	
14	184	224	603	719	5580	4200	3360	1330	666	752	420	297	
15	160	176	590	711	6680	4080	2900	1270	645	719	418	260	
16	182	222	692	705	6130	5310	2770	1230	639	693	420	279	
17	218	228	944	682	5760	6030	2450	1180	636	668	411	354	
18	228	202	1130	632	5700	5120	3030	1130	616	645	404	375	
19	231	189	1280	624	5400	4280	2960	1080	603	626	402	389	
20	227	228	1230	625	5850	4040	2510	1040	580	609	387	361	
21	225	211	1060	692	6510	4020	2290	995	638	599	375	400	
22	218	201	971	666	6540	3900	2210	956	848	587	378	388	
23	190	199	1090	644	6180	3990	2190	941	738	576	379	377	
24	162	196	1150	686	5250	4090	2400	972	706	576	360	418	
25	153	199	1070	741	4710	3970	2420	913	650	559	365	366	
26	148	177	922	831	4370	3820	2390	885	628	568	366	378	
27	148	190	834	990	4710	3530	2270	866	620	551	333	399	
28	150	322	753	1410	6260	3440	2190	851	596	536	306	396	
29	165	395	691	1540	8590	4560	2170	839	576	504	282	341	
30	178	---	656	1450	9170	4550	2080	819	569	466	367	288	
31	190	---	641	---	11100	---	1930	788	---	482	---	356	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	(YEAR)
TOTAL	6288	6144	20852	26362	141320	182530	84980	39795	20951	20814	12453	10027	572516.
MEAN	203	212	673	879	4559	6084	2741	1284	698	671	415	323	1564
MAX	253	395	1280	1540	11100	11800	4000	2080	973	913	503	418	11800
MIN	148	176	254	624	1410	3440	1930	788	569	466	282	179	148

LAT. 49 29 35; LONG. 115 21 50  
BRITISH COLUMBIA, 800 FT. DOWNSTREAM FROM EAST KOOTENAY POWER COMPANY'S PLANT, 4 MILES EAST-NORTHEAST OF BULL RIVER STATION, SIX MILES ABOVE MOUTH AND SIX MILES NORTH-NORTHEAST OF WARDNER.

TABLE 81. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
BULL RIVER NEAR WARDNER, STATION NO. 8NG-2

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1973

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	323	243	278	375	986	4040	2440	824	556	411	446	416	
2	269	274	297	372	979	3490	2010	825	516	407	414	457	
3	244	276	282	390	1100	2960	1850	803	501	395	368	444	
4	223	268	277	427	1330	2630	2030	800	487	381	368	387	
5	211	272	279	549	1490	2930	2230	802	484	372	358	339	
6	199	228	266	559	1930	3800	1960	809	476	375	346	399	
7	189	190	273	492	2080	6050	1740	749	474	448	342	443	
8	179	175	263	468	2030	6400	1580	699	480	405	365	423	
9	170	169	275	488	1780	5800	1550	677	455	373	386	331	
10	161	171	282	527	1540	4410	1640	667	441	355	506	326	
11	162	177	281	680	1360	3430	1710	659	436	351	901	422	
12	167	186	288	883	1360	3120	1580	645	433	343	1260	415	
13	171	195	277	1010	1660	3340	1470	632	425	366	1040	392	
14	184	203	268	1020	2550	3650	1420	621	412	399	772	365	
15	199	249	261	905	3780	3310	1430	604	398	379	649	358	
16	215	258	263	812	5240	2910	1480	581	383	363	637	395	
17	233	255	288	767	6550	2590	1400	559	372	352	580	442	
18	248	247	272	726	7190	2330	1290	539	366	349	521	426	
19	260	241	279	684	6430	2180	1210	523	366	351	468	404	
20	270	213	255	659	5550	2390	1190	506	412	359	453	392	
21	267	226	277	810	4120	2940	1260	490	458	377	433	391	
22	267	235	308	950	3320	3710	1260	482	480	421	439	378	
23	253	234	330	1060	3480	4400	1120	479	560	465	432	366	
24	258	255	344	1090	3890	4580	1020	482	632	519	410	362	
25	258	269	369	1050	5230	3760	964	478	548	552	396	365	
26	252	275	452	1030	4540	3570	934	458	496	507	367	344	
27	236	282	408	1320	3470	3460	941	447	453	483	371	316	
28	215	279	384	1440	2890	3370	936	436	431	461	427	290	
29	217	---	351	1240	2680	3180	902	430	425	533	444	234	
30	228	---	363	1100	3010	2900	878	427	415	517	418	250	
31	242	---	358	---	3870	---	838	530	---	478	---	229	(YEAR)
TOTAL	6970	6545	9448	23883	97415	107630	44263	18663	13771	12847	15317	11501	368258.
MEAN	225	234	305	796	3142	3588	1428	602	459	414	511	371	1009
MAX	323	282	452	1440	7190	6400	2400	825	632	552	1260	457	7190
MIN	161	169	255	372	979	2180	838	427	366	343	342	229	161

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	206	415	292	537	3890	3850	5800	1960	814	467	315	326	
2	206	412	299	525	3380	4670	5110	1880	741	458	308	306	
3	208	391	280	513	2820	6570	4420	1720	716	455	305	334	
4	212	389	277	497	2640	7530	4510	1650	689	447	298	328	
5	216	371	287	492	3100	6450	4710	1650	667	441	298	311	
6	224	352	272	544	4440	5340	4280	1670	659	436	306	293	
7	226	320	249	610	5500	4730	3900	1540	650	423	348	284	
8	232	337	244	640	7690	4360	3700	1390	644	425	348	278	
9	238	358	272	715	6670	4430	3760	1240	726	422	321	271	
10	242	326	280	820	5020	4780	4040	1240	817	418	310	276	
11	250	326	265	997	3980	5740	4730	1320	805	406	295	289	
12	258	333	272	1080	3450	8670	4240	1400	739	404	316	278	
13	280	325	268	1040	3050	10600	3350	1390	698	401	304	262	
14	348	316	259	1120	2820	10700	3260	1210	670	388	291	266	
15	655	312	257	1290	2620	10700	3790	1130	649	388	290	262	
16	1190	320	274	1500	2370	12600	4200	1070	629	382	284	251	
17	1640	314	395	1440	2150	13700	3390	1080	616	377	277	281	
18	1180	309	429	1520	1990	12800	3120	1110	607	371	294	241	
19	935	314	407	1680	1890	11800	3690	1070	594	369	284	248	
20	763	304	355	1740	1890	11500	3950	1120	585	363	341	264	
21	605	278	390	1660	2150	10700	3490	1090	580	358	674	309	
22	585	315	360	1600	2550	9610	2990	1050	559	353	777	304	
23	562	301	333	1750	3240	9480	2810	1010	546	349	498	240	
24	539	271	367	2460	3640	9940	2610	974	537	345	425	198	
25	525	294	347	3560	3960	9440	2520	952	524	338	394	251	
26	490	294	360	4360	5970	8580	2400	942	530	337	366	259	
27	463	289	396	3840	7370	6770	2230	919	531	336	325	276	
28	448	294	497	3060	6040	5440	2180	889	514	330	284	255	
29	439	---	584	2720	5210	4830	2130	843	501	328	251	216	
30	420	---	577	2800	4590	5180	2150	816	485	329	310	254	
31	371	---	553	---	4010	---	2090	811	---	324	---	217	(YEAR)
TOTAL	15156	9180	10697	47110	120090	241490	109550	38136	19022	11968	10449	8428	641276.
MEAN	489	328	345	1570	3874	8050	3534	1230	634	386	348	272	1757
MAX	1640	415	584	4360	7690	13700	5800	1960	817	467	777	334	13700
MIN	206	271	244	492	1890	3850	2090	811	485	324	251	198	198

LAT. 49 29 35; LONG. 115 21 50  
BRITISH COLUMBIA, 800 FT. DOWNSTREAM FROM EAST KOOTENAY POWER COMPANY'S PLANT, 4 MILES EAST-NORTHEAST OF BULL RIVER  
STATION, SIX MILES ABOVE MOUTH AND SIX MILES NORTH-NORTHEAST OF WARDNER.

TABLE R1. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
BULL RIVER NEAR WARDNER, STATION NO. 8NG-2

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1975

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	270	192	192	193	1100	5150	2350	1510	1420	522	589	600	
2	252	243	254	183	1220	5830	2980	1480	1310	509	672	659	
3	269	234	268	200	1440	6350	4360	1410	1220	515	865	1010	
4	276	217	245	175	1620	6580	5070	1250	1110	630	1240	1620	
5	259	238	228	163	1450	6640	4870	1180	1030	593	1390	1320	
6	267	247	205	182	1390	6710	4600	1120	970	688	1290	1020	
7	265	234	203	208	1470	6100	5040	1060	923	724	1170	915	
8	258	237	211	173	1670	4930	4720	1040	894	685	1040	858	
9	243	309	216	190	2090	4190	4000	983	859	654	952	1040	
10	242	260	241	197	2460	3930	3800	926	821	646	878	1170	
11	377	260	222	213	2980	4470	3630	889	792	653	819	1070	
12	383	248	199	240	3570	5030	3340	867	767	642	779	946	
13	385	235	218	295	3950	5570	3030	848	736	625	744	869	
14	370	213	213	384	4250	5630	2780	830	716	621	740	827	
15	320	237	193	428	4900	5010	2540	823	697	622	953	778	
16	293	220	208	466	5720	5010	2350	852	710	600	995	744	
17	315	236	235	516	5510	4680	2120	1030	809	582	885	743	
18	315	219	211	523	5040	4270	2070	1140	788	615	788	732	
19	300	216	217	608	4310	3850	1770	1050	727	643	695	730	
20	280	224	206	656	3330	3730	1660	979	696	641	655	672	
21	241	217	207	609	2850	3740	1610	917	671	613	633	630	
22	243	156	190	625	2900	4160	1530	890	654	598	708	579	
23	253	232	205	678	3070	4030	1450	1020	625	580	693	612	
24	245	228	212	686	3180	4260	1400	1390	608	568	673	614	
25	237	209	195	699	2760	6030	1380	1230	597	557	597	586	
26	229	206	176	795	2430	4770	1340	1140	589	557	625	583	
27	227	187	159	1200	2350	3590	1320	1070	574	545	552	569	
28	183	221	159	1120	2540	2910	1310	1470	557	545	513	529	
29	251	---	210	1070	3200	2400	1360	1880	542	547	493	524	
30	225	---	196	1050	4030	2210	1740	1620	527	649	486	581	
31	193	---	178	---	4870	---	1670	1500	---	638	---	517	(YEAR)
TOTAL	8466	6375	6472	14725	93650	141800	83190	35394	23939	18807	24112	24647	481577.
MEAN	273	228	209	491	3021	4727	2684	1142	798	607	804	795	1319
MAX	385	309	268	1200	5720	6710	5070	1880	1420	724	1390	1620	6710
MIN	183	156	159	163	1100	2210	1310	823	527	509	486	517	156

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1976

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	415	323	234	329	1560	2940	4990	1430	1110	602	532	336	
2	461	320	228	332	2310	2580	3630	1530	1080	666	480	330	
3	458	317	225	367	3080	2350	3010	1490	1040	731	442	324	
4	468	278	227	431	3720	2160	3150	1440	977	671	425	314	
5	491	275	259	545	3950	2060	3300	2560	934	630	416	302	
6	455	275	274	715	4280	2040	3160	3650	977	601	411	294	
7	400	301	295	900	4470	2100	3520	2480	968	584	403	302	
8	416	327	273	1080	5370	2480	3710	2140	907	562	394	330	
9	454	348	294	1420	6140	3610	3330	2720	865	545	391	323	
10	430	320	278	1740	6680	4240	3040	2380	840	529	362	305	
11	426	321	296	2220	8910	3630	2760	2140	813	520	363	301	
12	410	323	245	2600	6350	3580	2870	1900	827	511	344	296	
13	348	321	274	2530	5120	3210	2970	1740	821	504	332	265	
14	349	323	254	2220	6600	2760	2630	1620	789	495	313	253	
15	441	314	239	1850	5470	2790	2450	1570	762	485	341	289	
16	441	310	270	1530	4550	3300	2410	2080	746	489	383	308	
17	427	302	283	1310	4600	3590	2500	2150	734	479	385	305	
18	427	301	301	1180	4110	3670	2590	1830	835	462	386	299	
19	369	295	317	1080	3770	4300	2510	1650	847	451	354	265	
20	355	268	302	1030	4370	4480	2310	1800	786	443	341	262	
21	336	296	266	974	4080	4050	2110	1720	757	437	306	236	
22	347	266	266	931	3730	3480	1890	1580	734	428	351	236	
23	415	300	302	895	4130	3540	1750	1540	713	425	347	264	
24	352	290	286	924	5740	3430	1800	1450	700	426	350	297	
25	331	282	265	1020	5380	3000	1750	1470	682	423	351	263	
26	332	280	278	970	4300	2510	1750	1770	665	417	312	307	
27	402	265	256	926	3850	2220	1710	1560	649	410	230	313	
28	376	290	249	949	5270	2430	1480	1380	631	406	292	227	
29	384	246	243	964	4770	3190	1410	1270	620	414	317	178	
30	361	---	269	1120	3820	4550	1410	1190	613	395	336	193	
31	339	---	282	---	3300	---	1430	1150	---	422	---	237	(YEAR)
TOTAL	12416	8677	8330	35082	143780	94270	79330	56380	24422	15563	11010	8754	498014.
MEAN	401	299	269	1169	4638	3142	2559	1819	814	502	367	282	1361
MAX	491	348	317	2600	8910	4550	4990	3650	1110	731	532	336	8910
MIN	331	246	225	329	1560	2040	1410	1150	613	395	230	178	178

LAT. 49 29 35; LONG. 115 21 50  
BRITISH COLUMBIA, 800 FT. DOWNSTREAM FROM EAST KOOTENAY POWER COMPANY'S PLANT, 4 MILES EAST-NORTHEAST OF BULL RIVER  
STATION, SIX MILES ABOVE MOUTH AND SIX MILES NORTH-NORTHEAST OF WARDNER.

TABLE 81. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
BULL RIVER NEAR WARDNER, STATION NO. BNG-2

DAILY DISCHARGE, IN CURIC FEET PER SECOND FOR THE YEAR 1977

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	204	209	220	173	2060	1620	919	568	804	615	400	290	
2	170	189	163	168	2320	2750	918	564	747	599	513	303	
3	178	240	206	195	2700	2000	864	571	746	570	466	330	
4	174	191	156	154	2240	1850	804	586	893	547	429	305	
5	174	227	196	249	1780	2080	776	546	1470	533	406	236	
6	174	193	184	329	1470	2550	752	529	1130	519	402	224	
7	175	221	209	409	1300	3390	711	532	960	510	409	210	
8	176	173	281	565	1500	4320	689	518	883	501	338	200	
9	178	225	199	775	1920	3560	688	518	806	497	340	197	
10	184	202	188	670	2550	2590	723	501	741	473	400	193	
11	195	223	203	572	3490	2090	725	481	689	457	377	192	
12	221	221	181	524	2780	1900	770	473	650	454	360	240	
13	228	242	184	545	2170	1840	778	520	619	462	378	280	
14	230	213	207	544	1890	1810	779	560	606	450	393	353	
15	235	202	158	513	1790	1790	745	590	599	434	380	366	
16	233	221	204	494	1710	1790	719	537	586	426	364	361	
17	248	201	163	498	1600	1720	764	502	621	416	347	335	
18	258	205	178	456	1510	1670	795	493	591	426	346	313	
19	313	198	194	425	1350	1640	732	484	575	407	284	283	
20	276	200	160	402	1280	1670	680	484	628	405	226	211	
21	200	201	166	393	1340	1580	644	478	615	394	181	205	
22	238	231	204	397	1550	1520	649	607	595	388	176	210	
23	230	190	159	517	1740	1480	641	652	580	381	176	200	
24	207	202	198	872	2140	1370	637	901	592	381	180	190	
25	237	189	188	1460	2010	1370	637	1300	602	398	208	181	
26	200	187	158	1990	1900	1350	669	1070	596	416	237	176	
27	229	202	212	1940	1720	1240	735	891	578	394	269	198	
28	237	160	159	1750	1530	1110	702	789	576	369	310	230	
29	173	---	182	1690	1430	1050	670	1190	631	369	347	264	
30	196	---	161	1820	1300	982	628	1070	624	390	299	248	
31	174	---	197	---	1290	---	583	898	---	393	---	225	
TOTAL	6535	5758	5818	21489	57360	57682	22526	20403	21333	13974	9941	7749	250568.
MEAN	211	206	188	716	1850	1923	727	658	711	451	331	250	686
MAX	313	242	281	1990	3490	4320	919	1300	1470	615	513	366	4320
MIN	170	160	156	154	1280	982	583	473	575	369	176	176	154

DAILY DISCHARGE, IN CURIC FEET PER SECOND FOR THE YEAR 1978

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	230	195	179	1210	3210	2320	3530	1120	800	687	368	327	
2	230	205	172	1040	3480	2730	3180	1050	773	649	370	305	
3	228	220	172	903	3370	4020	3010	984	720	628	377	273	
4	235	260	173	855	2790	5830	2900	942	690	601	736	268	
5	245	245	185	839	2270	7220	2820	928	693	580	633	264	
6	265	237	198	795	1900	7630	3010	909	698	562	531	250	
7	277	233	208	767	1710	6650	2960	884	673	541	511	235	
8	288	233	225	774	1660	6600	2820	860	795	526	566	220	
9	288	220	231	760	1980	6640	2820	846	919	522	544	238	
10	288	224	208	792	2720	5060	3230	828	926	509	431	265	
11	280	218	214	1010	2910	3800	3080	803	902	555	399	315	
12	264	220	212	1040	2650	3210	2440	786	848	522	330	318	
13	258	205	201	960	2340	3230	2300	776	810	507	285	309	
14	258	197	217	901	2570	3560	2290	755	766	486	270	297	
15	260	203	194	839	3680	3230	2260	776	774	475	330	310	
16	262	210	199	828	3770	2820	2150	877	791	466	385	251	
17	265	210	220	827	3340	2580	2180	946	748	457	431	264	
18	263	211	211	794	3260	3200	2190	911	707	450	388	284	
19	263	205	225	811	3610	3870	2120	894	675	435	295	258	
20	254	214	239	894	4390	3290	1870	921	641	429	302	251	
21	249	201	266	1010	5330	3620	1700	879	616	432	297	267	
22	247	217	332	1020	6010	4040	1620	830	635	422	318	279	
23	234	220	349	975	5220	4100	1630	1020	735	408	359	250	
24	208	222	489	944	4090	3690	1630	1020	766	413	369	294	
25	223	205	530	986	3260	3720	1560	876	805	403	378	253	
26	229	192	649	1260	2690	3760	1470	807	807	394	350	238	
27	226	190	800	1720	2350	3530	1430	762	786	392	346	224	
28	225	188	858	2970	2260	3680	1340	724	773	388	349	210	
29	220	---	943	3470	2500	3950	1250	694	735	397	324	197	
30	208	---	1180	3200	2440	3930	1170	665	694	385	329	183	
31	195	---	1350	---	2350	---	1150	676	---	376	---	170	
TOTAL	7665	6000	11889	35194	96110	125510	69110	26749	22701	14997	11901	8067	435893.
MEAN	247	214	384	1173	3100	4184	2229	863	757	484	397	260	1194
MAX	288	260	1350	3470	6010	7630	3530	1120	926	687	736	327	7630
MIN	195	188	172	760	1660	2320	1150	665	616	376	270	170	170

LAT. 49 29 35; LONG. 115 21 50  
BRITISH COLUMBIA, 800 FT. DOWNSTREAM FROM EAST KOOTENAY POWER COMPANY'S PLANT, 4 MILES EAST-NORTHEAST OF BULL RIVER STATION, SIX MILES ABOVE MOUTH AND SIX MILES NORTH-NORTHEAST OF WARDNER.

/TYPA/AMBNT/STREAM

112WRD  
0000 CLASS 00

INDEX 1310000 007840 36070

MILES 0815.00 0264.00 002.80

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	67	6.43283	27.2189	5.21717	.811023	.637379	15.5000	.000000	72/01/10	76/06/30
00020 AIR TEMP CENT	50	7.62997	104.354	10.2154	1.33885	1.44467	29.0000	-219E+02	72/01/10	76/06/30
00060 STREAM FLOW CFS	17	238.294	55244.0	235.040	.986348	57.0057	879.999	44.9999	72/01/10	73/09/11
00061 STREAM FLOW, INST-CFS	33	432.088	247732	497.727	1.15191	86.6431	2080.00	74.9999	73/10/25	76/06/30
00070 TURB JKSJ	49	15.0815	1504.99	38.7942	2.57230	5.54202	250.000	.999999	72/01/10	76/06/30
00080 COLOR PT-CO	49	8.36735	116.696	10.8026	1.29104	1.54322	50.0000	.000000	72/01/10	76/06/30
00095 CONDUCTVY AT 25C MICROMHO	67	258.089	2800.53	52.9200	.205046	6.46521	360.000	143.0000	72/01/10	76/06/30
00300 DO MG/L	50	11.3259	1.92403	1.38709	.122470	.196164	13.4000	8.09999	72/01/10	76/06/30
00301 DO SATUR PERCENT	35	99.8855	18.9246	4.35024	.043552	.735325	112.000	88.9999	73/08/16	76/06/30
00310 BOD 5 DAY MG/L	23	1.23478	.800559	.894739	.724617	.186566	4.59999	.300000	74/06/26	76/06/30
00400 PH SU	67	8.08501	.068478	.261682	.032366	.031970	8.50000	7.30000	72/01/10	76/06/30
00405 CO2 MG/L	45	2.07999	1.83527	1.35477	.651311	.201950	7.70000	.800000	72/01/10	76/06/30
00410 T ALK CAC03 MG/L	62	132.387	748.410	27.3571	.206645	3.47435	185.000	84.0000	72/01/10	76/06/30
00440 HCO3 ION HCO3 MG/L	45	162.133	1212.36	34.8190	.214755	5.19051	217.000	103.0000	72/01/10	76/06/30
00445 CO3 ION CO3 MG/L	27	.074074	.071225	.266880	3.60288	.051361	1.00000	.000000	73/10/25	76/06/30
00500 RESIDUE TOTAL MG/L	7	181.286	1295.92	35.9988	.198575	13.6063	241.000	148.0000	73/08/16	74/04/18
00600 TOTAL N N MG/L	23	.282174	.016772	.129508	.458966	.027004	.500000	.100000	72/01/10	76/06/30
00605 ORG N N MG/L	48	.237916	.159506	.399382	1.67867	.057646	2.50000	.010000	72/01/10	76/06/30
00608 NH3+NH4- N DISS MG/L	9	.037778	.001044	.032318	.855473	.010773	.090000	.000000	72/01/10	73/01/17
00610 NH3+NH4- N TOTAL MG/L	42	.040000	.001829	.042770	1.06925	.006600	.170000	.000000	72/12/07	76/06/30
00613 NO2-N DISS MG/L	49	.002041	.000021	.004555	2.23197	.000651	.020000	.000000	72/01/10	76/06/30
00618 NO3-N DISS MG/L	49	.063061	.013297	.115311	1.82857	.016473	.810001	.000000	72/01/10	76/06/30
00625 TOT KJEL N MG/L	48	.276666	.155712	.394604	1.42628	.056956	2.50000	.030000	72/01/10	76/06/30
00630 NO2&NO3 N-TOTAL MG/L	15	.094667	.008741	.093493	.987604	.024140	.400000	.000000	73/03/22	74/05/10
00631 NO2&NO3 N-DISS MG/L	49	.065102	.013276	.115220	1.76983	.016460	.810001	.000000	72/01/10	76/06/30
00660 ORTHOPO4 P04 MG/L	49	.033061	.001734	.041640	1.25959	.005949	.180000	.000000	72/01/10	76/06/30
00665 PHOS-TOT MG/L P	49	.049592	.003400	.058308	1.17577	.008330	.300000	.000000	72/01/10	76/06/30
00671 PHOS-DISS ORTHO MG/L	49	.011020	.000193	.013881	1.25959	.001983	.060000	.000000	72/01/10	76/06/30
00680 T ORG C C MG/L	34	5.33235	41.5859	6.44871	1.20936	1.10594	34.0000	.000000	72/01/10	76/06/30
00900 TOT HARD CAC03 MG/L	49	136.038	867.234	29.4488	.216475	4.20698	200.000	83.0000	72/01/10	76/06/30
00902 NC HARD CAC03 MG/L	45	2.51111	13.3465	3.65328	1.45485	.544599	19.0000	.000000	72/01/10	76/06/30
00915 CALCIUM CA, DISS MG/L	49	34.5714	40.7503	6.38360	.184649	.911947	48.0000	22.0000	72/01/10	76/06/30
00925 MGN SIUM MG, DISS MG/L	49	12.1081	11.0242	3.32027	.724218	.474324	21.0000	6.80000	72/01/10	76/06/30
00930 SODIUM NA, DISS MG/L	49	2.51224	.738591	.859413	.342091	.122773	4.20000	.900000	72/01/10	76/06/30
00931 SODIUM NS, DISS RATIO	49	.095918	.000400	.019994	.008446	.002856	1.00000	.000000	72/01/10	76/06/30
00932 PERCENT SODIUM %	49	3.83673	.347799	.589745	1.53710	.084249	5.00000	2.00000	72/01/10	76/06/30
00935 PTI SIUM K, DISS MG/L	49	.816323	1.69973	1.30374	1.59708	.186248	9.60000	.000000	72/01/10	76/06/30
00940 CHLORIDE CL MG/L	49	.940811	.245388	.495367	.526531	.070767	2.30000	.000000	72/01/10	76/06/30
00945 SULFATE SO4-TOT MG/L	49	4.62244	2.43384	1.56008	.337501	.222868	8.30000	.500000	72/01/10	76/06/30

INDEX 1310000 007840 36070

MILES 0815.00 0264.00 002.80

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00950 FLUORIDE F, DISS MG/L	49	1.30612	.046752	.216221	1.65544	.030889	1.40000	.000000	72/01/10	76/06/30
00955 SILICA DTSOLVED MG/L	49	8.09995	1.71126	1.30815	1.61501	1.86879	12.0000	5.80000	72/01/10	76/06/30
01000 ARSENIC AS, DISS UG/L	34	1.44118	10.4964	3.23987	2.24804	.555624	18.0000	.000000	72/01/10	76/06/30
01001 ARSENIC AS, SUSP UG/L	24	.708333	2.30254	1.51741	2.14223	.309740	7.00000	.000000	74/06/26	76/06/30
01002 ARSENIC AS, TOT UG/L	24	1.25000	2.71739	1.64845	1.31876	.336489	7.00000	.000000	74/06/26	76/06/30
01005 BARIUM BA, DISS UG/L	10	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/01/10	74/05/10
01010 BERYLIUM BE, DISS UG/L	10	1.00000	10.0000	3.16228	3.16228	1.00000	10.0000	.000000	72/01/10	74/05/10
01020 BORON B, DISS UG/L	25	22.6800	966.227	31.0842	1.37056	6.21688	140.000	.000000	72/01/10	74/05/10
01025 CADMIUM CD, DISS UG/L	10	.000000	.266667	.516398	1.29099	.163299	1.00000	.000000	72/01/10	74/05/10
01030 CHROMIUM CR, DISS UG/L	10	2.00000	40.0000	6.32456	3.16228	2.00000	20.0000	.000000	72/01/10	74/05/10
01032 CHROMIUM HEX-VAL UG/L	10	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/01/10	74/05/10
01035 COBALT CO, DISS UG/L	10	.700000	.677778	.823273	1.17610	.260347	2.00000	.000000	72/01/10	74/05/10
01040 COPPER CU, DISS UG/L	10	1.40000	1.82222	1.34990	.964213	.426875	4.00000	.000000	72/01/10	74/05/10
01045 IRON FE, TOT UG/L	24	1292.50	6843366	2615.98	2.02397	533.985	11000.0	10.0000	74/06/26	76/06/30
01046 IRON FE, DISS UG/L	33	22.7273	245.455	15.6670	.689349	2.72728	70.0000	.000000	72/01/10	76/06/30
01049 LEAD PB, DISS UG/L	34	1.35294	1.99287	1.41169	1.04332	.242103	5.00000	.000000	72/01/10	76/06/30
01050 LEAD PB, SUSP UG/L	24	90.7083	764.545	27.6508	.304832	5.64419	100.000	.000000	74/06/26	76/06/30
01051 LEAD PB, TOT UG/L	24	91.8333	765.625	27.6699	.301306	5.64810	100.000	1.00000	74/06/26	76/06/30
01054 MANGNESE MN, SUSP UG/L	23	50.8695	9862.84	99.3119	1.95228	20.7079	420.000	.000000	74/06/26	76/06/30
01055 MANGNESE MN UG/L	23	53.9130	9952.17	99.7606	1.85040	20.8015	430.000	.000000	74/06/26	76/06/30
01056 MANGNESE MN, DISS UG/L	34	8.38235	448.122	21.1689	2.52541	3.63044	170.000	.000000	72/01/10	76/06/30
01060 MOLY MO, DISS UG/L	34	.676471	4.64973	2.15632	3.18761	.369806	9.00000	.000000	72/01/10	76/06/30
01061 MOLY MO, SUSP UG/L	24	.250000	.282609	.531610	2.12644	.108514	2.00000	.000000	74/06/26	76/06/30
01062 MOLY MO, TOT UG/L	24	.333333	.318841	.564660	1.69398	.115261	2.00000	.000000	74/06/26	76/06/30
01065 NICKEL NI, DISS UG/L	10	1.40000	2.48889	1.57762	1.12687	.498888	4.00000	.000000	72/01/10	74/05/10
01075 SILVER AG, DISS UG/L	10	.200000	.177778	.421637	2.10818	1.33333	1.00000	.000000	72/01/10	74/05/10
01080 STRONTIUM SR, DISS UG/L	10	72.0000	506.666	22.5092	.312628	7.11805	110.000	40.0000	72/01/10	74/05/10
01085 VANADIUM V, DISS UG/L	10	.260000	.167111	.408797	1.57278	.129271	1.30000	.000000	72/01/10	74/05/10
01090 ZINC ZN UG/L	34	10.8235	153.241	12.3790	1.14371	2.12299	60.0000	.000000	72/01/10	76/06/30
01091 ZINC ZN, SUSP UG/L	23	18.7391	654.929	25.5916	1.36568	5.33621	110.000	.000000	74/06/26	76/06/30
01092 ZINC ZN, TOT UG/L	23	24.9130	855.588	29.2496	1.17407	6.09896	130.000	.000000	74/06/26	76/06/30
01105 ALUMINUM AL, TOT UG/L	24	909.583	2272482	1507.48	1.65732	307.712	6300.00	40.0000	74/06/26	76/06/30
01106 ALUMINUM AL, DISS UG/L	34	7.70588	78.3352	8.85072	1.14857	1.51788	30.0000	.000000	72/01/10	76/06/30
01107 ALUMINUM AL, SUSP UG/L	24	905.416	2272250	1509.06	1.66670	308.035	6300.00	30.0000	74/06/26	76/06/30
01130 LITHIUM LI, DISS UG/L	10	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/01/10	74/05/10
32230 CHLRPHYL A MG/L	23	.001085	.000001	.001062	.978173	.000221	.005000	.000000	74/06/26	76/06/30
32231 CHLRPHYL B MG/L	23	.000843	.000001	.001030	1.22157	.000215	.003700	.000000	74/06/26	76/06/30
38260 MBAS MG/L	24	.012917	.000578	.024043	1.86142	.004908	.100000	.000000	72/01/10	74/05/10
70300 RESIDUE DISS-180 C MG/L	49	149.286	1028.40	32.0686	.214814	4.58123	228.000	88.0000	72/01/10	76/06/30
70301 DISS SOL SUM MG/L	45	147.111	864.480	29.4020	.205449	4.38300	188.000	91.0000	72/01/10	76/06/30
70302 DISS SOL TONS/DAY	49	120.749	13927.3	118.014	.977351	16.8591	562.000	27.2000	72/01/10	76/06/30
70303 DISS SOL TONS PER ACRE-FT	49	.203661	.001892	.043502	.214233	.006215	.310000	.120000	72/01/10	76/06/30
71840 AMMONIA DISS-NH4 MG/L	9	.050000	.001850	.043012	.860233	.014337	.120000	.000000	72/01/10	73/01/17
71851 NITRATE DISS-NO3 MG/L	48	.273750	.270436	.520035	1.89967	.075060	3.60000	.000000	72/04/11	76/06/30
71856 NITRITE DISS-NO2 MG/L	49	.006327	.000211	.014534	2.29724	.002076	.070000	.000000	72/01/10	76/06/30
71887 TOTAL N AS NO3 MG/L	14	1.42857	.355722	.596425	.417498	.				

TABLE 83. TOBACCO RIVER NEAR EUREKA, MONTANA  
USGS STATION NO. 12301300  
COE/USGS DATA: STORET RETRIEVAL

DATE	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM- FLOW, INST-CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/01/10	0.0	3.5	79	1.0	0	320	13.0		8.20		162
72/04/11	4.5	8.0	472	4.0	20	260	11.6		8.40		135
72/07/13	9.5	15.0	662	15.0	10	215	10.4		8.20		107
72/08/16	14.0	13.0	208	3.0	3	245	8.6		7.50		125
72/09/19	9.5	10.0	114	1.0	0	280	9.6		8.30		131
72/10/12	5.0	5.0	166	1.0	5	265	12.0		8.00		136
72/11/07	4.0	1.0	161	1.0	5	280	11.4		7.70		144
72/12/07	0.0	22.0	45	2.0	2	360	11.8		7.80		185
73/01/17	0.0	1.0	130	5.0	9	280	11.8		7.90		153
73/02/15	0.0	6.0	78	2.0	2	315	12.8		7.79		108
73/03/22	3.0	2.0	116	4.0	4	300	12.2		8.20		125
73/04/26	6.5	--	310	--	20	215	--		8.10		111
73/05/17	9.0	29.0	880	35.0	20	175	10.9		7.90		86
73/06/21	13.0	26.0	373	3.0	5	245	9.5		8.30		101
73/07/19	15.0	14.0	123	1.0	4	260	8.8		7.80		129
73/08/16	15.5	11.5	63	1.0	3	250	8.1	89	7.80		139
73/09/11	13.0	13.0	71	1.0	1	280	8.7	91	7.90		147
73/10/25	7.0	6.0	94	1.0	3	292	11.4	103	7.80		147
73/11/25	1.0	2.0-	161	1.0	1	258	12.3	95	8.00		129
73/12/20	1.0	0.5-	127	1.0	5	272	12.4	95	8.00		139
74/01/24	0.0	4.0	309	21.0	20	224	12.6	95	8.10		110
74/02/21	0.0	5.0-	112	3.0	2	290	12.9	97	8.20		149
74/03/29	4.0	8.0	356	30.0	10	267	12.3	103	8.10		130
74/04/18	6.5	12.0	689	31.0	30	237	11.1	98	8.30		124
74/05/10	7.0	10.5	1170	21.0	30	186	11.4	103	8.20		96
74/06/26	9.0	13.0	1590	82.0	7	150	10.2	96	8.00	4.6	85
74/07/24	11.5	12.0	368	2.0	2	265	10.0	100	8.30	0.3	
74/08/19	13.5	21.0	170	1.0	2	235	9.8	103	8.50	0.8	140
74/09/16	14.5	25.0	114	2.0	2	300	10.4	112	8.40	2.0	158
74/10/25	3.5	2.0-	75	1.0	3	318	12.0	99	8.20	1.1	174
74/11/14	3.5	1.0	103	1.0	0	309	12.6	104	8.30	0.7	166
74/12/16	2.0	2.5	84	1.0	3	317	12.9	102	8.30	1.1	168
75/01/15	0.0	3.0-	85	1.0	3	315	13.1	99	7.90	0.9	172
75/02/18	0.5	5.0	84	1.0	8	311	12.9	98	8.00	1.1	167
75/03/24	2.5	7.0	87	1.0	3	323	12.8	103	8.20	1.1	178
75/05/15	9.5	20.0	1140	55.0	40	148	10.2	98	8.10	1.8	88
75/06/02	8.0	16.5	977	20.0	10	149	10.4	96	8.10	1.0	86
75/06/12	8.5	18.0	843	10.0	5	172	10.8	101	8.10	0.5	93
75/07/07	13.5	23.0	442	2.0	4	196	9.9	104	8.30	1.2	104
75/07/30	15.0	18.0	175	3.0	7	238	9.8	107	8.40	1.0	126
75/10/01	8.0	0.0	99	1.0	1	277	10.9	101	8.20	1.2	153
75/11/20	0.5	5.0-	99	1.0	7	289	13.3	101	8.30	0.5	153
75/12/23	0.0	2.0-	161	4.0	2	230	13.1	98	8.30	0.8	133
76/01/20	0.0	2.5-	128	1.0	5	281	13.4	100	8.30	0.6	151
76/02/18	1.0	2.0	114	2.0	3	279	13.0	100	8.50		150
76/04/09	3.5	9.5	531	75.0	25	221	11.8	98	8.30	2.6	125
76/05/11	7.0	10.0	2080	250.0	50	143	11.1	100	8.20	1.5	84
76/05/21	5.5	10.0	964	25.0	4	175	11.6	100	8.30	1.1	100
76/06/30	13.0	27.5	629	2.0	1	193	10.1	105	8.40	0.9	103

TABLE 84. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	TIME OF DAY	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00060 STREAM- FLOW CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SAT PERCENT	00025 BAR. PRES. MM OF HG	00400 PH -- UNITS
720106	1000	0.5	2	630	1.3	5k	339	13.4	--	--	8.0
720201	1005	0.0	-15	640	0.9	5k	195	12.2	--	--	7.3
720313	0950	1.5	4	1670	14	5k	307	14.3	--	--	7.6
720412	0955	4.5	6	1890	5.7	5k	297	10.8	--	--	8.2
720509	1145	7.5	--	4160	12	5	260	9.8	--	--	8.4
720620	1130	8.5	--	10500	62	10	210	11.6	--	--	--
720717	0945	10.0	--	5540	16	5k	240	--	--	--	8.0
720824	1410	13.5	--	2670	6.0	5k	300	11.6	--	--	8.1
720926	1200	5.5	--	1710	4.1	5	290	12.0	--	--	8.2
721010	1210	4.5	--	2090	14	5	270	12.2	--	--	8.3
721108	1345	3.5	--	1590	6.2	5	310	12.9	--	--	8.3
721204	1220	0.5	--	620	2.4	5k	350	15.3	--	--	8.1
730103	1215	0.0	--	720	3.1	5	350	13.4	87	782	8.0
730131	1210	0.0	--	490	1.2	5k	380	14.5	98	767	8.1
730306	1315	1.0	8	885	2.8	5k	370	12.9	90	766	8.3
730409	1200	5.0	15	1350	3.8	5	370	12.8	109	689	8.3
730503	1230	5.5	12	2660	11	5	300	12.0	106	684	8.2
730704	1330	12.0	27	3830	4.7	5	295	9.7	99	683	8.2
730731	0930	12.5	16	1690	1.3	5k	300	9.2	93	688	8.3
730919	1430	9.8	11	939	1.0	5	335	11.2	108	697	8.8
731029	1150	5.0	8	1170	6.6	5	327	12.0	100	710	8.6
731114	1220	2.0	5	2210	21	5	255	13.6	106	692	8.3
731213	1145	1.0	4	1000	1.8	5k	330	13.1	102	690	8.6

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 84. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	TIME OF DAY	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00060 STREAM- FLOW CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SAT PERCENT	00025 BAR. PRES. MM OF HG	00400 PH -- UNITS
740130	1245	1.0	-1	774	6.9	5k	322	12.7	97	694	8.4
740221	1245	0.0	-2	748	4.7	5	300	13.7	104	685	8.5
740314	1140	2.0	6	735	2.5	5k	340	12.8	98	702	8.9
740403	1210	4.0	7	1290	9.0	5	340	13.3	109	701	8.4
740514	1110	5.0	8	7340	12	10	261	12.3	102	709	8.4
740703	1200	8.0	23	9410	56	5	238	10.6	96	709	8.5
740918	1315	10.0	21	1410	2.5	5k	321	10.7	102	692	9.0
741024	1140	4.0	4	861	3.3	5	320	11.2	93	690	8.5
741119	1235	2.5	6	843	1.2	5	350	13.3	101	692	8.6
741216	1350	1.0	2	719	0.9	5k	370	15.1	115	694	8.8
750116	1200	0.0	-5	640	0.9	5	370	12.3	90	702	8.5
750303	1400	2.0	7	768	7.4	5k	340	12.1	94	694	9.0
750326	1250	1.5	2	725	1.5	5	350	14.5	112	695	9.0
750424	1020	4.5	11	1720	18	5	340	12.6	108	687	8.6
750505	1030	5.0	6	3070	23	5	285	11.2	97	686	8.4
750520	1135	5.0	14	8720	45	15	227	12.2	105	693	8.2
750605	1245	8.0	23	14800	100	10	188	12.2	115	676	8.2
750703	1200	12.0	28	7300	14	10	250	9.9	--	--	8.6
750731	1405	12.5	19	3160	3.9	5	280	9.6	97	695	8.4
750812	1100	13.0	--	1840	1.6	--	286	--	--	--	8.5
751007	1230	7.8	--	1380	3.9	--	286	--	--	--	8.6
751009	1230	6.0	5	1280	4.6	5k	300	10.2	90	693	8.0
751217	1205	1.0	-6	1410	--	5k	298	11.8	90	704	8.0
760107	1205	1.0	-6	781	--	5k	330	12.4	95	696	8.0
760112	1215	0.0	--	890	1.2	--	320	14.8	--	--	8.4
760303	1350	0.5	-4	620	1.1	5	340	13.1	99	689	8.7
760429	1300	8.0	16	2210	5.9	5	289	10.4	95	699	8.2
760505	1050	9.0	18	7790	48	20	215	10.8	100	--	8.0
760525	1320	7.0	13	11400	46	10	205	10.3	93	691	8.2
760603	0945	5.5	9	6700	10	5	260	10.2	88	693	8.2
760622	0940	8.0	11	7800	12	5k	225	11.1	102	691	8.3
760720	1145	13.5	21	4130	5.7	5	260	9.6	98	695	8.1
761027	1145	5.0	--	1000	0.8	5k	310	--	--	--	8.4
761129	1350	1.0	1	761	--	5k	310	12.2	92	705	8.6
761209	1155	0.5	2	926	--	5k	330	13.2	101	691	8.6
770329	1120	--	--	599	2.1	5k	349	--	--	--	8.4
770426	1125	8.5	17	4170	60	15	263	--	--	--	7.9
770512	1200	11.0	16	6270	37	5	220	--	--	680	8.2
770526	1300	7.0	6	3970	5.0	5	242	10.6	97	687	8.2
770607	1130	15.0	22	4910	10	5	224	--	--	688	8.1
770622	1250	15.0	25	2910	2.7	5k	254	--	--	--	8.1
770725	1125	15.0	17	1270	1.2	5k	290	9.1	99	692	7.6
770818	1140	18.0	23	1330	1.4	5k	290	8.3	96	691	8.1
770907	1230	10.0	17	1580	2.8	5k	285	9.8	95	691	8.0
771012	0955	4.0	1	919	0.7	5k	320	--	--	696	8.3
771212	1130	0.5	--	640	3.9	5k	339	13.9	102	686	8.3
780118	1345	2.0	--	450	1.3	--	342	11.7	94	695	8.2
780301	1100	0.0	--	550	1.5	--	350	13.0	98	689	8.3
780412	1120	6.0	--	1940	7.5	--	263	11.5	100	697	8.2
780503	1045	7.0	--	6260	60	--	212	11.0	99	692	8.1
780515	1145	6.0	--	7720	108	--	207	10.6	93	688	7.9
780608	1130	8.5	--	15900	124	--	199	11.8	110	696	8.2
780619	1200	8.0	--	7760	22	--	213	11.4	105	696	8.3
780718	1200	12.0	--	4280	29	--	246	8.6	96	696	8.4
780817	1245	12.0	--	1850	2.3	--	272	9.8	99	697	8.5
780919	1040	6.0	--	1680	1.1	--	279	11.8	102	701	8.3
781019	1210	6.0	--	1130	0.8	--	305	12.4	109	685	8.4

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 85. 1/CANADIAN WATER QUALITY DATA  
 BULL RIVER, BRITISH COLUMBIA.  
 STATION NO. 0200030

DATE	TIME OF DAY	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00060 STREAM- FLOW CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CNDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SAT PERCENT	00025 BAR PRES MM OF HG	00400 PH -- UNITS
720106	1120	0.0	-2	235	1.2	5k	387	10.1	--	--	8.1
720412	1135	5.0	4	784	1.5	5k	318	9.6	--	--	8.3
720717	0800	8.5	14	2450	3.3	5k	235	--	--	--	8.0
720926	1040	6.0	8	628	2.1	5k	300	12.0	--	--	8.4
730103	1110	0.0	--	244	2.2	5k	360	13.1	--	--	8.1
730409	1045	3.0	10	488	1.5	5k	400	13.0	104	692	8.2
730731	1130	13.0	28	838	0.7	5k	290	9.1	94	692	8.2
731114	1140	2.0	4	772	3.0	5	290	13.6	113	693	8.3
740130	1100	1.0	-2	420	0.9	5k	360	12.8	98	695	8.4
740514	1240	5.0	8	2820	5.9	5	290	11.9	100	703	8.3
740918	1145	9.5	16	607	2.9	5k	310	10.3	97	697	9.0
741119	1115	2.0	6	284	0.4	5k	380	12.6	98	693	8.6
741216	1200	0.5	2	251	0.3	5k	390	14.7	109	695	8.7
750303	1245	1.0	6	268	3.3	5	370	12.3	95	695	8.8
750326	1200	0.0	0	176	0.6	5	400	14.3	106	696	8.8
750424	1130	5.0	11	686	3.9	5	360	12.8	110	687	8.6
750505	1250	4.5	10	1450	5.8	5	327	12.2	104	687	8.6
750520	1050	4.0	15	3330	15	5	277	12.4	103	694	8.2
750605	1115	6.0	22	6640	52	5	224	13.0	116	676	8.3
750623	1430	7.0	14	4030	--	5	214	11.2	88	692	8.2
750703	1100	9.0	25	4360	14	5	230	11.0	--	--	8.5
750731	1300	10.0	21	1670	3.3	5	235	10.6	102	696	8.2
751009	1125	6.0	3	654	1.6	5k	294	10.2	90	694	7.6
751217	1045	1.0	-15	743	4.0	5k	350	11.9	90	705	8.0
760107	1045	1.0	-6	400	0.6	5k	352	12.6	96	698	8.0
760303	1240	0.5	-3	225	2.2	5	401	13.0	99	691	8.6
760429	1130	7.0	12	964	3.8	5	329	10.4	104	700	8.2
760505	1135	7.0	19	3950	31	5	277	11.5	115	621	8.1
760525	1430	6.5	15	5380	17	5k	245	11.2	99	690	8.4
760603	1050	5.5	12	2350	--	5	280	11.2	97	692	8.3
760622	1205	7.0	15	3480	7.8	5k	240	11.8	106	690	8.3
760720	1040	10.5	20	2310	2.2	5	230	10.4	100	694	8.1
761027	1040	5.0	--	410	0.5	5k	330	--	--	--	8.2
761129	1215	1.0	-1	317	--	5k	350	11.9	90	706	8.6
761209	1030	1.0	4	323	--	5k	330	13.6	108	674	8.4
770329	1015	--	--	182	1.7	5k	379	--	--	--	8.4
770426	1020	12.0	13	1990	60	5	265	--	--	--	8.1
770512	1200	4.5	11	2780	19	5	240	--	--	692	8.3
770526	0935	7.0	6	1900	3.0	5	252	11.0	100	687	8.2
770607	1020	12.0	24	3390	22	5	207	10.8	109	694	8.1
770622	1030	13.0	25	1520	2.8	5k	224	9.6	99	692	8.0
770725	1020	15.0	18	637	0.5	5k	273	8.9	96	697	7.6
770818	1000	14.0	15	484	1.4	5k	293	9.4	99	697	8.2
770907	1030	10.0	11	960	6.3	5k	250	11.0	106	697	8.0
771012	1345	4.0	10	454	1.5	5k	318	--	--	695	8.3
771212	1610	0.5	--	240	4.4	--	339	13.7	103	690	8.2
780118	0920	2.0	--	263	1.4	--	352	12.2	95	697	8.2
780301	0900	0.0	--	179	1.8	--	370	12.2	91	691	8.3
780515	1035	6.0	--	3680	34	--	261	11.8	104	687	8.0
780608	1030	8.0	--	6600	92	--	212	12.5	115	696	8.2
780619	1030	6.0	--	3870	27	--	209	11.0	96	696	8.3
780718	1030	11.0	--	2190	2.6	--	216	9.8	114	696	8.4
780919	0940	--	--	675	0.7	--	282	12.2	102	700	8.3

K = less than the given value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.



TABLE 86 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

CDF/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
72/01/10	15 00	40	15.0	3.6	0.7	1	6	0.0	9.4
72/04/11	15 00	37	11.0	2.4	0.7	2	6	0.1	12.0
72/07/13	07 30	28	9.4	1.3	0.3	1	4	0.4	6.5
72/08/16	07 00	34	11.0	2.2	0.5	1	4	0.0	7.5
72/09/19	08 00	36	13.0	3.0	0.6	2	7	0.1	8.2
72/10/12	12 35	38	13.0	2.5	0.9	1	3	0.1	8.1
72/11/07	07 40	37	14.0	2.6	0.5	2	7	0.1	8.3
72/12/07	10 00	48	19.0	4.2	0.8	1	8	0.1	10.9
73/01/17	09 45	39	14.0	2.9	1.3	2	5	0.5	6.6
73/02/15	10 15	40	14.0	3.2	0.7	1	7	0.1	8.8
73/03/22	10 00	42	15.0	3.2	0.7	1	8	0.1	8.2
73/04/26	10 45	30	9.4	2.0	0.5	1	5	0.1	9.1
73/05/17	13 00	22	6.9	1.6	0.6	1	4	0.0	6.5
73/06/21	16 00	28	9.1	1.3	0.4	1	6	0.0	6.4
73/07/19	07 00	33	12.0	2.0	0.5	1	5	1.4	7.1
73/08/16	07 00	37	14.0	4.0	0.7	1	3	0.0	7.9
73/09/11	07 00	37	14.0	3.2	0.0	1	5	0.1	7.4
73/10/25	13 00	37	14.0	3.2	0.6	1	6	0.0	8.1
73/11/21	11 45	33	12.0	2.2	0.4	1	5	0.0	7.2
73/12/20	14 30	37	14.0	2.7	0.5	1	6	0.0	7.9
74/01/24	10 30	30	9.3	2.1	0.7	0	5	0.5	9.6
74/02/21	10 30	38	13.0	3.1	0.7	1	5	0.0	8.9
74/03/29	12 45	38	12.0	2.7	0.9	1	5	0.2	9.7
74/04/18	13 45	35	9.7	2.0	0.8	2	5	0.2	12.0
74/05/10	14 00	28	7.7	1.8	0.7	0	4	0.2	9.1
74/06/26	08 00	25	7.1	1.1	0.3	1	3	0.0	5.8
74/08/19	14 30	36	13.0	2.3	0.6	1	5	0.1	7.9
74/09/16	15 00	40	13.0	2.0	0.8	2	5	0.1	8.2
74/10/25	09 15	42	14.0	3.0	0.9	1	4	0.1	9.2
74/11/14	14 15	42	15.0	3.1	0.6	1	5	0.0	8.8
74/12/16	14 00	42	15.0	3.7	0.5	2	5	0.1	8.7
75/01/15	13 30	42	21.0	3.2	1.0	1	5	0.0	8.8
75/02/18	12 30	40	16.0	3.6	0.6	1	5	0.1	8.3
75/03/24	11 00	43	18.0	3.9	1.0	1	6	0.2	7.7
75/05/15	13 45	24	7.1	1.7	1.0	0	2	0.0	8.7
75/06/02	12 30	23	6.8	1.7	0.4	0	3	0.1	6.6

TABLE 86 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

CDF/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
75/06/12	09 30	22	7.7	1.2	0.3	1	3	0.1	5.9
75/07/07	12 00	28	9.4	1.4	0.4	1	4	0.1	6.3
75/07/30	16 00	34	11.0	2.3	0.6	1	1	0.1	7.5
75/10/01	08 00	38	15.0	3.0	0.6	1	5	0.1	7.8
	09 00	38	15.0	3.0	0.6	1	5	0.1	7.8
75/11/20	11 30	39	15.0	2.6	0.6	0	5	0.1	7.4
75/12/23	13 00	35	11.0	2.6	0.5	1	4	0.1	7.8
76/01/20	14 00	36	13.0	3.5	0.7	1	5	0.2	7.8
76/02/18	11 30	36	13.0	2.6	0.8	1	5	0.1	7.6
76/04/09	08 00	32	9.3	2.0	1.2	1	5	0.1	9.4
76/05/11	12 45	22	6.8	1.0	0.6	0	2	0.1	6.6
76/05/21	09 00	27	8.1	0.9	0.3	0	3	0.0	7.3
76/06/30	12 30	26	8.9	1.3	0.3	1	1	0.1	6.5

TABLE 87. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	00915 CALCIUM CA MG/L	00925 MAGNESIUM MG MG/L	00930 SODIUM NA MG/L	00935 POTASSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4 MG/L	00950 FLUORIDE F MG/L	00955 SILICA SiO2 MG/L	00410 T ALK CaCO3 MG/L	00900 T HARD CaCO3 MG/L	00680 CARBON ORG-C MG/L
720106	45	13	2.1	2.7	2.8	25	.28	5.1	145	165	9
720201	50	15	2.4	0.7	1.0	30	.28	5.9	156	185	5
720313	43	11	2.1	0.6	1.8	20	.16	4.9	149	154	1k
720412	45	11	--	0.6	1.3	24	.15	--	188	159	6
720509	38	5.9	1.6	0.6	1.2	16	.18	4.2	133	119	3
720620	31	7.9	--	0.3	1.6	9.2	.34	--	110	110	6
720717	34	9.0	--	0.3	0.6	9.2	.16	--	115	122	3
720824	38	13	1.3	0.1	0.7	17	.18	5.0	130	149	8
720926	42	10	--	0.4	1.0	21	.16	--	122	147	3
721010	38	9.0	--	0.7	0.7	20	.27	--	123	132	12
721108	45	13	--	0.5	1.3	24	.19	--	140	165	3
721204	49	15	--	0.5	--	28	.17	--	156	184	3
730103	50	13	--	0.6	1.2	26	.19	--	152	178	2
730131	49	14	--	0.5	1.4	27	.19	--	147	179	--
730306	49	12	--	0.6	1.8	29	.16	--	133	172	--
730409	48	12	--	0.5	1.7	24	.14	--	148	167	4
730503	38	11	--	0.4	1.3	18	.16	--	120	139	7
730704	38	9.0	--	0.4	0.7	15	.15	--	131	131	4
730731	41	12	--	0.4	1.0	20	.20	--	135	150	3
730919	44	13	--	0.5	0.9	24	.21	--	145	163	9
731029	43	12	--	0.5	1.3	23	.15	--	136	155	10
731114	33	8.7	--	0.5	1.0	15	.12	--	110	118	2
731213	44	13	--	0.5	1.6	22	.17	--	139	163	1k
740130	44	12	2.0	0.5	1.1	22	.12	--	142	159	1
740221	44	12	2.2	0.5	1.4	25	.14	--	142	160	2
740314	46	13	2.4	0.5	1.6	26	.16	--	150	168	1k
740403	46	12	2.3	0.5	1.7	22	.14	5.1	141	164	2
740514	37	11	1.2	0.4	1.0	13	.13	--	148	137	19
740703	32	7.9	0.7	0.4	0.5	7.9	.12	--	112	112	2
740918	44	12	1.6	0.5	0.8	21	.18	4.2	143	159	3
741024	47	12	1.9	0.5	1.3	24	.22	--	147	168	1
741119	46	13	2.0	0.5	1.1	26	.22	4.3	146	170	1k
741216	49	13	--	0.5	1.5	28	.18	4.5	150	176	2
750116	53	14	--	0.5	1.7	31	.19	--	163	190	2
750303	47	13	2.4	0.5	1.8	29	.16	4.8	148	171	1k
750326	48	13	--	0.5	2.0	31	.18	4.7	149	173	1
750424	47	12	--	0.6	2.3	24	.16	4.8	148	166	.1
750505	40	10	--	0.5	1.5	17	.14	4.7	129	142	1k
750520	34	8.1	--	0.4	1.0	12	.14	4.6	110	119	6
750605	29	6.8	--	0.4	0.6	8.8	.12	3.8	112	99	5
750703	32	7.8	--	0.3	0.7	10	.13	3.6	117	113	2
750731	39	9.6	--	0.4	1.0	13	.17	4.1	123	136	1
750812	--	--	--	--	--	--	--	--	135	--	1
751007	--	--	--	--	--	--	--	--	131	--	--
751009	44	11	--	0.5	1.2	22	.19	4.3	134	155	6
751217	44	11	--	0.5	1.3	20	.14	--	132	156	1k
760107	46	12	--	0.5	1.5	21	.20	5.2	132	166	3
760112	--	--	--	--	--	--	--	--	141	--	--
760303	48	14	--	0.5	2.0	28	.18	5.2	149	175	1k
760429	41	11	--	0.5	1.7	19	.15	4.4	--	149	4
760505	33	7.8	--	0.4	1.0	11	.15	4.4	101	114	8
760525	29	7.2	--	0.4	0.7	9.2	.12	4.0	88	101	2
760603	33	8.4	--	0.4	1.0	11	.12	4.1	117	118	1k
760622	32	7.3	--	0.4	0.7	9.2	.12	3.6	100	109	1k
760720	37	8.9	--	0.4	0.8	13	.16	3.6	112	128	1
761027	45	13	--	0.5	1.8	24	.20	3.9	139	166	1k
761129	47	13	--	0.5	1.7	27	.19	5.0	151	171	3
761209	42	12	--	0.5	1.9	27	.19	4.6	140	157	4
770329	48	13	--	0.5	2.4	30	.21	4.2	--	175	1k
770426	29	8.2	--	0.4	1.0	12	.13	4.1	97	107	8
770512	31	8.2	--	0.3	0.9	11	.13	4.0	102	111	4
770526	34	9.1	--	0.4	1.0	13	.14	3.5	107	122	--
770607	33	8.4	--	0.4	0.8	13	.12	3.3	113	118	3
770622	36	9.0	--	0.4	1.0	15	.16	3.3	120	126	2
770725	42	12	--	0.5	1.3	22	.20	3.4	121	153	3
770818	41	12	--	0.5	1.2	20	.22	3.7	130	150	5
770907	40	11	--	0.5	1.1	20	.21	3.7	129	144	2
771012	45	13	--	0.5	1.4	26	.20	3.4	--	165	1k
771212	45	12	--	--	--	--	--	5.0	--	163	1k
780118	50	13	--	--	--	--	.19	5.0	--	181	1k
780301	52	14	--	--	--	--	--	4.9	--	187	1k
780412	41	11	--	--	--	--	--	4.4	--	146	1k
780503	32	7.7	--	--	--	--	.12	4.4	--	111	7
780515	30	7.5	--	--	--	--	.10	4.3	--	106	14
780608	28	7.0	--	--	--	--	--	3.9	--	100	6
780619	30	7.3	--	--	--	--	--	3.7	--	105	1k
780718	37	8.9	--	--	--	--	--	3.7	--	129	5
780817	40	11	--	--	--	--	.17	3.5	--	146	1
780919	41	11	--	--	--	--	.17	3.3	--	147	1k
781019	44	13	--	--	--	--	.18	3.3	--	163	1k

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 88. 1/CANADIAN WATER QUALITY DATA  
 BULL RIVER, BRITISH COLUMBIA  
 STATION NO. 0200030

DATE	00915 CALCIUM CA MG/L	00925 MGNSIUM MG MG/L	00930 SODIUM NA MG/L	00935 PTSSSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4 MG/L	00950 FLUORIDE F MG/L	00955 SILICA SIO2 MG/L	00410 T ALK CACO3 MG/L	00900 T HARD CACO3 MG/L	00680 CARBON ORG-C MG/L
720106	53	15	1.3	0.5	0.8	51	0.18	4.7	143	194	10
720412	51	14	1.1	0.5	0.3	35	0.10	4.5	195	184	3
720717	33	7.9	0.6	0.1	0.4	12	0.10k	3.3	100	115	3
720926	43	10	1.6	0.3	0.6	30	0.10k	4.1	115	149	2
730103	50	14	1.3	0.4	0.7	44	0.12	4.7	140	182	2
730409	55	15	1.2	0.4	0.8	37	0.13	4.6	158	198	4
730731	39	10	0.7	0.3	0.7	23	0.10k	3.4	126	139	2
731114	38	10	0.7	0.3	0.6	22	0.10k	3.6	118	136	1
740130	52	14	1.2	0.4	0.5	35	0.10k	4.7	154	188	1k
740514	47	12	0.7	0.3	0.5	--	0.10k	5.0	128	167	22
740918	44	11	0.9	0.4	0.5k	30	0.10k	3.8	132	156	1
741119	50	14	1.1	0.4	0.7	46	0.15	4.2	137	184	1k
741216	54	14	1.2	0.4	0.9	48	0.10k	4.3	143	194	2
750303	51	15	--	0.4	0.8	53	0.11	4.3	137	187	1k
750326	56	16	1.5	0.4	1.0	58	0.11	4.7	150	205	2
750424	53	13	1.2	0.4	0.7	35	0.12	4.6	159	187	11
750505	49	12	0.9	0.4	0.6	22	0.10k	4.6	150	172	1k
750520	44	9.3	0.9	0.2	0.5k	14	0.10k	4.2	138	147	1k
750605	37	7.4	0.5	0.3	0.5k	9.3	0.10k	3.3	132	122	4
750623	33	7.2	0.5	0.2	0.5k	10	0.10k	3.1	106	113	1k
750703	31	6.6	0.4	0.2	0.5k	8.8	0.10k	2.7	114	105	1k
750731	34	7.8	0.6	0.3	0.5	15	0.10k	3.3	99	116	1
751009	44	11	0.9	0.4	0.5k	28	0.11	4.0	123	154	3
751217	52	14	1.0	0.4	0.6	31	0.10k	4.7	152	186	1k
760107	50	14	1.1	0.4	0.8	36	0.11	4.5	142	182	2
760303	55	16	1.5	--	1.1	51	0.11	4.9	82	203	1
760429	48	12	1.0	--	0.7	27	0.10k	4.5	152	171	4
760505	41	9.1	0.7	--	0.7	12	0.10k	4.0	133	140	1k
760625	38	7.9	0.5	--	0.5k	8.7	0.10k	3.5	130	127	2
760603	40	9.2	0.7	--	0.6	14	0.10k	3.9	126	139	1k
760622	34	7.2	0.5	--	0.5k	10	0.10k	3.2	107	114	1k
760720	31	7.1	0.6	--	0.5k	13	0.10k	2.9	95	107	2
761027	46	13	1.1	--	0.9	36	0.12	4.3	138	168	1k
761129	53	15	1.4	--	0.8	46	0.12	4.7	150	191	3
761209	45	13	1.9	--	0.9	44	0.10	4.3	141	167	2
770329	53	15	1.3	--	1.0	55	0.12	4.4	--	192	1k
770426	38	9.4	0.8	--	0.5	16	0.10k	3.6	122	134	2
770512	36	8.3	0.6	--	0.5	11	0.10k	3.4	116	124	1k
770526	37	8.9	0.6	--	0.5	15	0.10k	3.4	113	128	1k
770607	32	7.3	0.5	--	0.5k	10	0.10k	2.9	95	110	2
770622	32	7.7	0.6	--	0.5k	15	0.10k	2.9	101	112	3
770725	40	11	0.8	--	0.5	27	0.10k	3.6	107	144	3
770818	42	12	1.1	--	0.8	29	0.10	3.8	126	153	2
770907	36	8.7	0.8	--	0.5k	20	0.10k	3.4	110	126	3
771012	44	12	1.0	--	0.6	33	0.10	3.7	--	160	1k
771212	--	--	--	0.4	--	--	--	--	--	--	--
780118	52	14	--	0.3	--	--	0.10k	--	--	180	1k
780301	--	--	--	0.4	--	--	--	--	--	--	--
780515	--	--	--	0.3	--	--	--	--	--	--	1k
780608	--	--	--	0.3	--	--	--	--	--	--	--
780619	31	6.7	--	0.2	--	--	0.10k	--	--	106	1
780718	--	--	--	--	--	--	--	--	--	--	--
780919	--	--	--	0.3	--	--	--	--	--	--	1k

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 89 TOBACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/01/10	15 00	0.35	0.300	0.230	0.070		0.000	0.05		0.05
72/04/11	15 00	0.14	0.130	0.070	0.060		0.000	0.01		0.01
72/07/13	07 30	0.23	0.230	0.210	0.020		0.000	0.00		0.00
72/08/16	07 00	0.10	0.100	0.080	0.020		0.000	0.00		0.00
72/09/19	08 00	0.14	0.110	0.100	0.010		0.000	0.03		0.03
72/10/12	12 35	0.18	0.180	0.170	0.010		0.000	0.00		0.00
72/11/07	07 40	0.27	0.240	0.150	0.090		0.000	0.03		0.03
72/12/07	10 00	0.17	0.060	0.060	0.000	0.000	0.000	0.11		0.11
73/01/17	09 45	0.37	0.270	0.210	0.060	0.060	0.000	0.10		0.10
73/02/15	10 15		0.120	0.110		0.010	0.010	0.09		0.10
73/03/22	10 00	0.50	0.100	0.090		0.010	0.000	0.03	0.40	0.03
73/04/26	10 45	0.21	0.180	0.030		0.150	0.000	0.02	0.03	0.02
73/05/17	13 00	0.48	0.450	0.380		0.070	0.020	0.01	0.03	0.03
73/06/21	16 00	0.42	0.350	0.340		0.010	0.000	0.00	0.07	0.00
73/07/19	07 00	0.14	0.060	0.050		0.010	0.000	0.01	0.08	0.01
73/08/16	07 00	0.14	0.100	0.070		0.030	0.010	0.03	0.04	0.04
73/09/11	07 00					0.030	0.010	0.03	0.04	0.04
73/10/25	13 00	0.21	0.110	0.090		0.020	0.000	0.04	0.10	0.04
73/11/21	11 45	0.32	0.240	0.210		0.030	0.010	0.06	0.08	0.07
73/12/20	14 30	0.25	0.190	0.080		0.110	0.000	0.03	0.06	0.03
74/01/24	10 30	0.47	0.290	0.270		0.020	0.000	0.15	0.18	0.15
74/02/21	10 30	0.22	0.100	0.050		0.050	0.010	0.07	0.12	0.08
74/03/29	12 45	0.50	0.420	0.290		0.130	0.010	0.05	0.08	0.06
74/04/18	13 45	0.39	0.310	0.140		0.170	0.000	0.08	0.08	0.08
74/05/10	14 00	0.29	0.260	0.240		0.020	0.000	0.03	0.03	0.03
74/06/26	08 00		0.380	0.260		0.120	0.000	0.01		0.01
74/08/19	14 30		0.060	0.030		0.030	0.000	0.03		0.03
74/09/16	15 00		0.190	0.150		0.040	0.000	0.04		0.04
74/10/25	09 15		0.270	0.150		0.120	0.000	0.08		0.08
74/11/14	14 15		0.030	0.010		0.020	0.000	0.07		0.07
74/12/16	14 00		0.140	0.080		0.060	0.000	0.08		0.08
75/01/15	13 30		2.500	2.500		0.050	0.010	0.13		0.14
75/02/18	12 30		0.130	0.090		0.040	0.000	0.01		0.01
75/03/24	11 00		0.120	0.110		0.010	0.000	0.06		0.06
75/05/15	13 45		0.440	0.430		0.010	0.000	0.11		0.11
75/06/02	12 30		0.170	0.160		0.010	0.000	0.00		0.00

TABLE 89 TOBACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/06/12	09 30		0.260	0.260		0.000	0.000	0.02		0.02
75/07/07	12 00		0.160	0.160		0.000	0.000	0.01		0.01
75/07/30	16 00		0.120	0.090		0.030	0.000	0.00		0.00
75/10/01	08 00		0.030	0.010		0.020	0.000	0.02		0.02
	09 00		0.030	0.010		0.020	0.000	0.02		0.02
75/11/20	11 30		0.220	0.200		0.020	0.010	0.05		0.06
75/12/23	13 00		0.170	0.170		0.000	0.000	0.07		0.07
76/01/20	14 00		0.220	0.190		0.030	0.000	0.11		0.11
76/02/18	11 30		0.290	0.250		0.040	0.000	0.08		0.08
76/04/09	08 00		0.770	0.730		0.040	0.000	0.08		0.08
76/05/11	12 45		1.400	1.400		0.020	0.000	0.08		0.08
76/05/21	09 00		0.230	0.220		0.010	0.000	0.05		0.05
76/06/30	12 30		0.050	0.040		0.010	0.000	0.02		0.02

TABLE 90 TOBACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
72/01/10	15 00	0.070		0.050
72/04/11	15 00	0.050		0.000
72/07/13	07 30	0.090		0.010
72/08/16	07 00	0.020		0.000
72/09/14	08 00	0.020		0.010
72/10/12	12 35	0.020		0.010
72/11/07	07 40	0.060		0.040
72/12/07	10 00	0.030		0.020
73/01/17	09 45	0.050		0.010
73/02/15	10 15	0.030		0.000
73/03/22	10 00	0.010		0.000
73/04/26	10 45	0.080		0.010
73/05/17	13 00	0.120		0.000
73/06/21	16 00	0.010		0.000
73/07/19	07 00	0.020		0.000
73/08/16	07 00	0.010		0.010
73/09/11	07 00	0.060		0.020
73/10/25	13 00	0.050		0.040
73/11/21	11 45	0.010		0.030
73/12/20	14 30	0.050		0.030
74/01/24	10 30	0.030		0.000
74/02/21	10 30	0.030		0.010
74/03/29	12 45	0.080		0.020
74/04/18	13 45	0.110		0.010
74/05/10	14 00	0.060		0.000
74/06/26	08 00	0.300		0.010
74/08/19	14 30	0.020		0.010
74/09/16	15 00	0.040		0.000
74/10/25	09 15	0.010		0.000
74/11/14	14 15	0.020		0.010
74/12/16	14 00	0.090		0.060
75/01/15	13 30	0.010		0.010
75/02/18	12 30	0.020		0.010
75/03/24	11 00	0.010		0.030
75/05/15	13 45	0.050		0.010
75/06/02	12 30	0.050		0.000

TABLE 90 TOBACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHU MG/L P
75/06/12	09 30	0.030		0.000
75/07/07	12 00	0.010		0.000
75/07/30	16 00	0.000		0.010
75/10/01	08 00	0.020		0.010
	09 00	0.020		0.010
75/11/20	11 30	0.010		0.000
75/12/23	13 00	0.020		0.010
76/01/20	14 00	0.020		0.010
76/02/18	11 30	0.020		0.000
76/04/09	08 00	0.160		0.000
76/05/11	12 45	0.260		0.000
76/05/21	09 00	0.040		0.000
76/06/30	12 30	0.030		0.010

TABLE 91. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> +NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
720106	0.25	0.11	0.09	0.02	0.005k	0.14	.14	.018	.013	176	164
720201	0.17	0.02	0.01	0.01	0.005	0.15	.15	.040	.031	198	180
720313	0.19	0.05	0.05	0.01k	0.005k	0.14	.14	.037	.010	176	174
720412	0.21	0.12	0.04	0.08	0.005k	0.09	.09	.030	.007	186	180
720509	0.31	0.14	0.14	0.01k	0.005k	0.17	.17	.018	.010	194	164
720620	0.25	0.17	0.16	0.01	0.005k	0.08	.08	.018	.008	182	120
720717	0.09	0.07	0.07	0.01k	0.005k	0.02	.02	.031	.005	182	132
720824	0.07	0.07	0.06	0.01	0.005k	0.02k	.02k	.014	.003k	168	154
720926	0.13	0.07	0.06	0.01	0.005k	0.06	.06	.006	.003k	188	184
721010	0.15	0.06	0.04	0.02	0.005k	0.09	.09	.039	.003k	176	166
721108	0.12	0.09	0.09	0.01k	0.005k	0.03	.03	.013	.005k	196	194
721204	0.19	0.09	0.05	0.04	0.005k	0.10	.10	.008	.003k	212	200
730103	0.25	0.11	0.06	0.05	0.005k	0.14	.14	.026	.009	204	198
730131	--	--	--	0.01	0.005k	0.16	.16	.013	.010	208	192
730306	--	--	--	0.01	0.005k	0.08	.08	.014	.008	198	194
730409	--	--	--	0.01k	0.005k	0.04	.04	.015	.004	194	190
730503	--	--	--	0.01	0.005k	0.07	.07	.038	.004	194	164
730704	--	--	--	0.01	0.005k	0.03	.03	.018	.004	160	154
730731	--	--	--	0.01k	0.005k	0.02k	.02k	.007	.003k	170	166
730919	0.05	0.05	0.05	0.01k	0.005k	0.02k	.02k	.005	.003k	184	180
731029	--	--	--	0.01k	0.005k	0.03	.03	.017	.003k	198	172
731114	0.26	0.11	0.10	0.01	0.005k	0.15	.15	.039	.006	190	142
731213	0.29	0.19	0.16	0.03	0.005k	0.10	.10	.010	.004	180	178
740130	0.21	0.08	0.05	0.03	0.005k	0.13	.13	.023	.006	190	180
740221	0.11	0.07	0.03	0.04	0.005k	0.04	.04	.012	.003	186	174
740314	0.04	0.04	0.02	0.02	0.005k	0.02k	.02k	.007	.003k	192	190
740403	0.20	0.18	0.13	0.05	0.005k	0.02	.02	.019	.003k	202	192
740514	0.24	0.11	0.10	0.006	0.005k	0.13	.13	.061	.007	214	158
740703	0.24	0.18	0.17	0.006	0.005k	0.06	.06	.141	.009	274	128
740918	0.13	0.13	0.13	0.005k	0.005k	0.02k	.02k	.009	.003k	184	180
741024	0.02k	0.01k	0.01k	0.005k	0.005k	0.02k	.02k	.009	.003k	196	194
741119	0.06	0.01k	0.01k	0.005	0.005k	0.06	.06	.007	.003k	196	194
741216	0.13	0.05	0.05	0.005k	0.005k	0.08	.08	.007	.003k	198	196
750116	0.21	0.07	0.05	0.020	0.005k	0.14	.14	.009	.005	218	216
750303	0.16	0.02	0.01k	0.018	0.005k	0.14	.14	.020	.007	202	198
750326	0.16	0.08	0.07	0.007	0.005k	0.08	.08	.010	.005	200	198
750424	0.18	0.02	0.01k	0.020	0.005k	0.16	.16	.039	.006	218	190
750505	0.29	0.14	0.13	0.011	0.005k	0.15	.15	.076	.007	234	172
750520	0.29	0.16	0.15	0.008	0.005k	0.13	.13	.185	.013	278	148
750605	0.49	0.40	0.39	0.011	0.005k	0.09	.09	.422	.008	600	114
750703	0.19	0.15	0.14	0.010	0.005k	0.04	.04	.051	.005	170	126
750731	0.14	0.08	0.07	0.005	0.005k	0.06	.06	.011	.003k	164	162
750812	--	--	--	--	--	--	.02k	.006	--	168	162
751007	0.09	0.07	0.06	0.007	--	--	.02	.008	.003k	174	--
751009	0.07	0.04	0.03	0.008	0.005k	0.03	.03	.016	.003k	182	180
751217	0.18	0.04	0.03	0.011	0.005k	0.14	.14	.014	.007	174	172
760107	0.19	0.05	0.04	0.010	0.005k	0.14	.14	.009	.004	184	182
760112	0.16	0.01	0.01k	0.011	--	--	.15	.009	.004	--	--
760303	0.26	0.21	0.20	0.009	0.005k	0.05	.05	.006	.003k	202	198
760429	0.10	0.05	0.04	0.008	0.005k	0.05	.05	.011	.003k	178	170
760505	0.54	0.39	0.37	0.020	0.005k	0.15	.15	.011	.008	358	130
760525	0.32	0.22	0.21	0.010	0.005k	0.10	.10	.011	.009	226	122
760603	0.26	0.19	0.18	0.007	0.005k	0.07	.07	.038	.005	164	136
760622	0.10	0.07	0.06	0.013	0.005k	0.03	.03	.030	.003k	154	122
760720	0.07	0.07	0.06	0.009	0.005k	0.02k	.02k	.016	.003k	152	144
761027	0.19	0.08	0.07	0.009	0.005k	0.11	.11	.005	.003k	188	186
761129	0.21	0.05	0.04	0.015	0.005k	0.16	.16	.009	.003	208	202
761209	0.25	0.07	0.05	0.021	0.005k	0.18	.18	.011	.005	200	194
770329	0.16	0.10	0.09	0.006	0.005k	0.06	.06	.008	.004	214	210
770426	0.69	0.49	0.46	0.029	0.005k	0.20	.20	.157	.010	306	134
770512	0.48	0.31	0.30	0.015	0.005k	0.17	.17	.103	.007	226	128
770526	0.13	0.07	0.06	0.006	0.005k	0.06	.06	.011	.003k	168	154
770607	0.15	0.10	0.09	0.009	0.005k	0.05	.05	.030	.003k	318	144
770622	0.11	0.06	0.05	0.006	0.005k	0.05	.05	.012	.003k	160	156
770725	0.11	0.09	0.08	0.011	0.005k	0.02	.02	.007	.003k	182	178
770818	0.07	0.02	0.01	0.014	0.005k	0.05	.05	.008	.003k	186	182
770907	0.12	0.04	0.03	0.009	0.005k	0.08	.08	.011	.003k	174	170
771012	0.11	0.02	0.02	0.005k	0.005k	0.09	.09	.005	.003k	186	184
771212	0.28	0.05	0.01	0.045	--	--	.23	.015	.006	202	196

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 91. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> +NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
780118	0.33	0.10	0.08	0.024	--	--	.23	.015	.009	212	208
780301	0.24	0.06	0.05	0.009	--	--	.18	.012	.008	218	214
780412	0.27	0.17	0.16	0.007	--	--	.10	.022	.004	182	162
780503	0.67	0.46	0.43	0.027	--	--	.21	.147	.014	266	132
780515	0.78	0.62	0.60	0.019	--	--	.16	.264	.009	414	134
780608	0.50	0.39	0.37	0.018	--	--	.11	.260	.017	440	134
780619	0.24	0.13	0.13	0.005k	--	--	.11	.056	.006	178	126
780718	0.37	0.28	0.25	0.027	--	--	.09	.063	.004	194	150
780817	0.08	0.02	0.02	0.005	--	--	.06	.006	.003k	166	160
780919	0.12	0.07	0.06	0.006	--	--	.05	.006	.004	168	166
781019	0.07	0.03	0.02	0.008	--	--	.04	.004	.003k	178	176

TABLE 92. 1/CANADIAN WATER QUALITY DATA  
BULL RIVER, BRITISH COLUMBIA  
STATION NO. 0200030

DATE	00600 TOTAL-N MG/L	00625 KJEL-N MG/L	00605 ORG-N MG/L	00610 NH <sub>3</sub> -N MG/L	00613 NO <sub>2</sub> -N MG/L	00618 NO <sub>3</sub> -N MG/L	00631 NO <sub>2</sub> +NO <sub>3</sub> -N MG/L	00665 PHOS-TOT MG/L-P	00671 PHOS-DIS ORTHO MG/L-P	00500 RES-TOT 105C MG/L	00515 RES-FILT 105C MG/L
720106	.14	.02	.02	0.01k	.005k	0.12	.12	.019	.004	210	168
720412	.19	.13	.07	0.06	.005k	0.06	.06	.007	.003k	212	210
720717	.10	.05	.03	0.02	.005k	0.05	.05	.003k	.003k	130	128
720926	.17	.05	.05	0.01k	.005k	0.12	.12	.003	.003k	172	170
730103	.18	.07	.01	0.06	.005k	0.11	.11	.006	.003k	216	212
730409	.08	.01	.01k	0.01	.005k	0.07	.07	.004	.003k	218	216
730731	.07	.02	.02	0.01k	.005k	0.05	.05	.003	.003k	164	156
731114	.16	.04	.04	0.01k	.005k	0.12	.12	.006	.003k	172	162
740130	--	--	--	--	--	--	--	.003	.003k	206	204
740514	.18	.06	.05	0.01k	.005k	0.12	.12	.011	.003k	202	182
740918	.07	.05	.05	0.01k	.005k	0.02	.02	.019	.003k	208	184
741119	.07	.01k	.01k	0.01k	.005k	0.07	.07	.003	.003k	220	218
741216	.13	.05	.05	0.01k	.005k	0.08	.08	.005	.003k	222	220
750303	.19	.09	.08	0.01	.005k	0.10	.10	.007	.003k	224	218
750326	.10	.02	.02	0.01k	.005k	0.08	.08	.003	.003k	242	240
750424	.11	.04	.03	0.01	.005k	0.07	.07	.007	.003k	212	206
750505	.13	.04	.03	0.01k	.005k	0.09	.09	.013	.003k	206	192
750520	.21	.04	.03	0.01	.005k	0.17	.17	.028	.003k	198	162
750605	.68	.51	.50	0.01	.005k	0.17	.17	.102	.003k	292	128
750623	.15	.07	.07	0.01k	.005k	0.08	.08	.013	.003k	144	130
750703	.08	.01k	.01k	0.01k	.005k	0.08	.08	.024	.003k	122	116
750731	.15	.10	.10	0.01k	.005k	0.05	.05	.006	.003k	126	124
751009	.05	.01k	.01k	0.01k	.005k	0.05	.05	.003k	.003k	174	172
751217	.26	.14	.08	0.06	.005k	0.12	.12	.005	.003k	204	202
760107	.17	.06	.05	0.01	.005k	0.11	.11	.004	.003k	206	204
760303	.20	.08	.07	0.01	.005k	0.12	.12	--	.003k	254	252
760429	.15	.08	.08	0.01k	.005k	0.07	.07	--	.003k	202	196
760505	.36	.14	.13	0.01	.005k	0.22	.22	--	.003k	268	156
760525	.28	.08	.07	0.01	.005k	0.20	.20	--	.003k	206	138
760603	.16	.02	.02	0.01k	.005k	0.14	.14	--	.003k	164	158
760622	.15	.05	.04	0.01	.005k	0.10	.10	--	.003k	146	134
760720	.06	.01	.01k	0.01	.005k	0.05	.05	--	.003k	126	122
761027	.11	.03	.02	0.01k	.005k	0.08	.08	--	.003k	200	198
761129	.19	.05	.03	0.02	.005k	0.14	.14	--	.003k	228	226
761209	.13	.01	.01	0.01k	.005k	0.12	.12	--	.003k	208	206
770329	.16	.06	.05	0.01	.005k	0.10	.10	--	.003k	246	244
770426	.50	.20	.18	0.02	.005k	0.30	.30	--	.004	276	152
770512	.41	.15	.14	0.01k	.005k	0.26	.26	.023	.003k	166	142
770526	.18	.03	.02	0.01k	.005k	0.15	.15	.008	.003k	152	146
770607	.24	.11	.11	0.01k	.005k	0.13	.13	.029	.003k	158	112
770622	.13	.04	.04	0.01k	.005k	0.09	.09	.009	.003k	136	132
770725	.10	.03	.03	0.01k	.005k	0.07	.07	.004	.003k	174	170
770818	.09	.01	.01k	0.01k	.005k	0.08	.08	.004	.003k	190	186
770907	.11	.01	.01k	0.01k	.005k	0.10	.10	.011	.003k	166	152
771012	.19	.09	.09	0.01k	.005k	0.10	.10	.004	.003k	192	188
771212	.24	.05	.03	0.02	--	--	.19	.007	.003k	218	211
780118	.17	.03	.03	0.01k	--	--	.14	.005	.003k	218	214
780301	.18	.04	.04	0.01k	--	--	.14	.004	.003k	220	216
780515	.37	.17	.17	0.01k	--	--	.20	.047	.003k	218	164
780608	.35	.21	.20	0.01	--	--	.14	.109	.010	276	118
780619	.20	.09	.09	0.01k	--	--	.11	.027	.003k	160	124
780718	.08	.03	.03	0.01k	--	--	.05	.003	.003k	128	124
780919	.12	.06	.06	0.01k	--	--	.06	.008	.003k	166	164

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 93 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORET RETRIFVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINIUM AL,DISS UG/L	01105 ALUMINIUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/01/10	15 00	0		1		0	0.00	10	1		0
72/04/11	15 00	0		3		0	0.00	20	1		0
72/07/13	07 30	2		0		0	0.00	10	0		0
72/08/16	07 00							0			
72/09/19	08 00							10			
72/10/12	12 35	0		18		0	0.00	0	1		0
72/11/07	07 40							0			
72/12/07	10 00							10			
73/01/17	09 45	0		6		0	0.00	20	1		0
73/02/15	10 15							70			
73/03/22	10 00							10			
73/04/26	10 45							30			
73/05/17	13 00	20		0		0	0.00	30	0		0
73/06/21	16 00							0			
73/07/19	07 00	0		0		0	0.00	20	0		0
73/08/16	07 00							0			
73/09/11	07 00							50			
73/10/25	13 00	20		3		0	0.00	0	0		0
73/11/21	11 45							50			
73/12/20	14 30							0			
74/01/24	10 30	20		4		0	0.00	50	0		0
74/02/21	10 30							7			
74/03/29	12 45							10			
74/04/18	13 45							20			
74/05/10	14 00	20		0		0	10.00	140	0		20
74/06/26	08 00	10	4000	3	4						
74/08/19	14 30	0	200	0	0						
74/09/16	15 00	0	100	1	2						
74/10/25	09 15	10	500	1	1						
74/11/14	14 15	0	200	0	0						
74/12/16	14 00	0	100	1	3						
75/01/15	13 30	0	800	1	1						
75/02/18	12 30	10	600	0	0						
75/03/24	11 00	20	2100	2	2						
75/05/15	13 45	20	2400	0	2						
75/06/02	12 30	10	900	1	2						
75/06/12	09 30	10	440	1	1						
75/07/07	12 00	0	140	1	0						
75/07/30	16 00	30	220	1	1						
75/10/01	08 00	0	70	0	0						
	09 00	0	70	0	0						
75/11/20	11 30	0	70	0	1						
75/12/23	13 00	0	40	1	1						
76/01/20	14 00	0	110	0	0						
76/02/18	11 30	10	40	0	0						
76/04/09	08 00	10	1900	0	2						
76/05/11	12 45	20	6300	0	7						
76/05/21	09 00	10	440	0	0						
76/06/30	12 30	10	90	0	0						

TABLE 93 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
72/01/10	15 00	0		2		0		20			0
72/04/11	15 00	0		1		2		30			0
72/07/13	07 30	0		1		1		20			0
72/10/12	12 35	0		2		0		20			0
73/01/17	09 45	0		0		1		20			0
73/05/17	13 00	0		1		3		30			0
73/07/19	07 00	0		0		0		10			0
73/10/25	13 00	0		0		1		30			0
74/01/24	10 30	0		0		4		70			0
74/05/10	14 00	0		0		2		50			0
74/06/26	08 00								6200	100 K	
74/08/19	14 30							20	90	100 K	
74/09/16	15 00							20	120	100 K	
74/10/25	09 15							10	110	100 K	
74/11/14	14 15							30	60	100 K	
74/12/16	14 00							0	330	100 K	
75/01/15	13 30							10	140	100 K	
75/02/18	12 30							10	100	100 K	
75/03/24	11 00							50	1200	100 K	
75/05/15	13 45							50	4300	100 K	
75/06/02	12 30							40	1300	100 K	
75/06/12	09 30							20	740	100 K	
75/07/07	12 00							10	150	100 K	
75/07/30	16 00							10	150	100 K	
75/10/01	08 00							10	60	100 K	
	09 00							10	60	100 K	
75/11/20	11 30							20	120	100 K	
75/12/23	13 00							10	10	100 K	
76/01/20	14 00							30	60	100 K	
76/02/18	11 30							20	20	100 K	
76/04/09	08 00							0	3900	100 K	
76/05/11	12 45							30	11000	100 K	
76/05/21	09 00							30	630	3	
76/06/30	12 30							10	170	1	



TABLE 93 TORACCO RIVER NEAR EURFKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORFT RETRIFVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DTSS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DTSS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L	01085 VANADIUM V,DTSS UG/L
72/01/10	15 00	120.0		0.1		0		4	1.0	100	0
72/04/11	15 00	20.0		0.2		9		4	0.0	80	1
72/07/13	07 30	0.0		0.1		0		2	0.0	60	0
72/10/12	12 35	24.0		0.2		0		1	0.0	80	1
73/01/17	09 45	10.0		0.2		0		0	1.0	70	0
73/05/17	13 00	10.0		0.2		9		0	0.0	50	0
73/07/19	07 00	0.0		0.0		0		2	0.0	80	0
73/10/25	13 00	0.0		0.0		0		0	0.0	50	0
74/01/24	10 30	0.0		0.0		0		1	0.0	90	0
74/05/10	14 00	0.0		0.0		0		0	0.0	110	0
74/06/26	08 00	0.0	200.0			0	0				
74/08/19	14 30	0.0	0.0			0	0				
74/09/16	15 00	0.0	0.0			1	0				
74/10/25	09 15	0.0	0.0			0	0				
74/11/14	14 15	20.0	10.0 K			0	0				
74/12/16	14 00	0.0	30.0			0	0				
75/01/15	13 30	0.0	0.0			0	0				
75/02/18	12 30	0.0	20.0			0	0				
75/03/24	11 00	20.0	10.0			0	2				
75/05/15	13 45	0.0	170.0			0	0				
75/06/02	12 30	10.0	20.0			0	0				
75/06/12	09 30	0.0	30.0			0	1				
75/07/07	12 00	0.0	10.0			0	0				
75/07/30	16 00	0.0				0	0				
75/10/01	08 00	10.0	10.0			1	1				
	09 00	10.0	10.0			1	1				
75/11/20	11 30	20.0	10.0			2	0				
75/12/23	13 00	0.0	10.0			0	1				
76/01/20	14 00	0.0	30.0			0	0				
76/02/18	11 30	0.0	30.0			0	0				
76/04/09	08 00	0.0	160.0			0	1				
76/05/11	12 45	10.0	430.0			0	0				
76/05/21	09 00	0.0	30.0			0	0				
76/06/30	12 30	1.0	20.0			0	1				

TABLE 93 TORACCO RIVER NEAR EURFKA, MT.  
USGS STATION NO. 12301300

COF/USGS DATA:STORFT RETRIFVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DTSS UG/L	01092 ZINC ZN,TOT UG/L
72/01/10	15 00	20	
72/04/11	15 00	20	
72/07/13	07 30	0	
72/10/12	12 35	20	
73/01/17	09 45	20	
73/05/17	13 00	10	
73/07/19	07 00	10	
73/10/25	13 00	20	
74/01/24	10 30	20	
74/05/10	14 00	60	
74/06/26	08 00	10	40
74/08/19	14 30	20	0
74/09/16	15 00	20	10
74/10/25	09 15	30	40
74/11/14	14 15	20	130
74/12/16	14 00	0	30
75/01/15	13 30	10	30
75/02/18	12 30	10	20
75/03/24	11 00	6	80
75/05/15	13 45	2	4
75/06/02	12 30	0	20
75/06/12	09 30	0	0
75/07/07	12 00	0	30
75/07/30	16 00	0	20
75/10/01	08 00	10	10
	09 00	10	10
75/11/20	11 30	10	20
75/12/23	13 00	0	10
76/01/20	14 00	0	
76/02/18	11 30	0	0
76/04/09	08 00	0	10
76/05/11	12 45	10	40
76/05/21	09 00	0	10
76/06/30	12 30	0	9

TABLE 94. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	32730 PHENOL UG/L	01000 ARSENIC AS, DISS UG/L	01042 COPPER CU, TOT UG/L	01040 COPPER CU, DISS UG/L	01045 IRON FE, TOT UG/L	01046 IRON FE, DISS UG/L	01051 LEAD PB, TOT UG/L	01049 LEAD PB, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01090 ZINC ZN, DISS UG/L
720106	2k	5k	--	2	--	20k	--	3	--	10	5k
720201	2k	5k	--	6	--	20k	--	3k	--	10k	5k
720313	2k	5k	--	1	--	60	--	3k	--	10k	5k
720412	2k	5k	--	40	--	40	--	4	--	10k	20
720509	2k	10	--	5	--	40	--	3k	--	10k	20
720620	2k	5k	--	3	--	60	--	3k	--	10k	40
720717	2k	5k	--	4	--	20k	--	3k	--	10	9
720824	2k	5k	--	1	--	40k	--	3k	--	10k	5k
720926	2k	5k	--	2	--	40k	--	3k	--	10k	--
721010	2k	5k	--	1k	--	40k	--	3k	--	10k	5k
721108	2k	5k	--	1k	--	40k	--	3k	--	10k	5k
721204	2k	5k	--	1k	--	40k	--	3k	--	10k	5k
730103	2k	5k	--	1k	--	40k	--	3	--	10k	18
730131	2k	5k	--	1k	--	40k	--	4	--	10k	5k
730306	2k	5k	--	1	--	40	--	1	--	10k	5k
730409	2k	5k	--	1k	--	40k	--	1k	--	10k	5k
730503	2k	5k	--	1	--	40k	--	1	--	10k	5k
730704	2	5k	--	1k	--	40k	--	1k	--	10k	11
730731	2k	5k	--	1k	--	40k	--	1k	--	10k	5k
730919	2k	5k	--	1k	--	40k	--	1	--	10k	5k
731029	3	5k	--	2	--	40k	--	1k	--	10k	5k
731114	2k	5k	--	2	--	40k	--	1k	--	10k	5k
731213	2k	5k	--	2	--	100k	--	1k	--	10k	5k
740130	2k	5k	--	3	400	100k	--	1k	--	10k	5k
740221	3	5k	--	1k	100k	100k	--	1k	--	--	5k
740314	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
740403	2k	5k	--	1k	400	100k	--	1k	--	20k	5k
740514	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
740703	5	5k	--	1	1800	100k	--	1k	--	20k	5k
740918	3	5k	--	1k	200	100k	--	1k	--	20k	5k
741024	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
741119	2k	5k	--	4	100	100k	--	1k	--	20k	5k
741216	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
750116	2k	5k	--	2	100k	100k	--	1	--	20k	5k
750303	4	5k	--	1k	300	100k	--	1k	--	20k	5k
750326	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
750424	2k	5k	--	1k	800	100k	--	1k	--	20k	5k
750505	2k	5k	--	4	1300	100k	--	1k	--	20k	5k
750520	2	5k	--	1k	2800	100k	--	1k	--	20k	5k
750605	4	5k	--	1k	8200	100k	--	1k	--	20k	5k
750703	2k	5k	--	1k	900	100k	--	1k	--	20k	5k
750731	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
751009	2k	5k	--	1k	500	100k	--	1k	--	20k	5k
751217	2k	5k	--	2	100	100k	--	1k	--	20k	5k
760107	2k	5k	--	1k	200	100k	--	1k	--	--	5k
760303	3	5k	--	1k	100k	100k	--	1k	--	20k	5k
760429	2k	5k	--	3	200	100k	--	3	--	20k	5
760505	3	5k	--	1k	2900	100k	--	1	--	20k	5k
760525	3	5k	--	1k	2200	100k	--	1k	--	20k	5k
760603	2k	5k	--	1k	600	100k	--	1k	--	20k	5k
760622	2	5k	--	1k	300	100k	--	1k	--	20k	5k
760720	2k	5k	--	1	400	100k	--	2	--	20k	5k
761027	2k	5k	--	2	100k	100k	--	1k	--	20k	5k
761129	2k	5k	--	1	100	100k	--	4	--	20k	5k
761209	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
770329	--	5k	--	1k	100	100k	--	1k	--	20k	5k
770426	2k	5k	--	3	--	100k	--	1k	--	20k	5
770512	2k	5k	--	5	2000	100k	--	1k	--	20k	5k
770526	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
770607	2k	5k	2	1	300	100k	--	1k	--	20k	5k
770622	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
770725	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
770818	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
770907	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
771012	2k	5k	--	1k	100	100k	--	1	--	20k	5k
780118	2k	--	1k	1k	100k	100k	1k	1k	20k	20k	5k
780301	--	--	1k	1k	100k	100k	1k	1k	20k	20k	5k
780412	--	--	1k	1k	400	--	1k	1k	20k	20k	5k

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 94. 1/CANADIAN WATER QUALITY DATA  
ELK RIVER, BRITISH COLUMBIA  
STATION NO. 0200016

DATE	32730 PHENOL UG/L	01000 ARSENIC AS, DISS UG/L	01042 COPPER CU, TOT UG/L	01040 COPPER CU, DISS UG/L	01045 IRON FE, TOT UG/L	01046 IRON FE, DISS UG/L	01051 LEAD PB, TOT UG/L	01049 LEAD PB, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01090 ZINC ZN, DISS UG/L
780503	2k	--	6	--	2500	--	4	--	70	--	--
780515	2	--	9	--	6000	--	3	--	160	--	--
780608	2	--	8	--	8000	--	3	--	170	--	--
780619	--	5k	3	1k	900	100k	2	1k	30	20k	5k
780718	--	5k	2	1k	1200	100k	1k	1k	40	20k	5k
780817	2	--	3	--	100k	100k	1k	1k	20k	20k	5k
780919	--	--	1k	1k	100k	100k	1k	1k	20k	20k	5k
781019	--	--	1k	1k	100	--	1k	1k	20k	20k	5k

TABLE 95. 1/CANADIAN WATER QUALITY DATA  
BULL RIVER, BRITISH COLUMBIA  
STATION NO. 0200030

DATE	32730 PHENOL UG/L	01000 ARSENIC AS, DISS UG/L	01042 COPPER CU, TOT UG/L	01040 COPPER CU, DISS UG/L	01045 IRON FE, TOT UG/L	01046 IRON FE, DISS UG/L	01051 LEAD PB, TOT UG/L	01049 LEAD PB, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01090 ZINC ZN, DISS UG/L
720106	10	5k	--	2	--	20k	--	3	--	10k	5k
720412	2k	5k	--	10	--	20	--	3k	--	10k	20
720717	2k	5k	--	3	--	20k	--	3k	--	10	30
720926	2k	5k	--	2	--	40	--	3k	--	10k	5k
730103	4	5k	--	1	--	40k	--	3k	--	10k	5
730409	2k	5k	--	9	--	40k	--	1	--	10k	5k
730731	2k	5k	--	1k	--	40k	--	1k	--	10k	5k
731114	2k	5k	--	1k	--	40k	--	1k	--	10k	5k
740130	2k	5k	--	1	100k	100k	--	1k	--	10k	5k
740514	2	5k	--	1k	900	100k	--	1k	--	20k	5k
740918	2	5k	--	1k	500	100k	--	1k	--	20k	5k
741119	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
741216	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
750303	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
750326	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
750424	2k	5k	--	1k	100k	100k	--	1k	--	20k	5k
750505	2	5k	--	1k	300	100k	--	1k	--	20k	5k
750520	2k	5k	--	1k	600	100k	--	1k	--	20k	5k
750605	3	5k	--	1k	2200	100k	--	1k	--	20k	5k
750623	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
750703	2k	5k	--	1k	600	100k	--	1k	--	20k	5k
750731	2k	5k	--	1k	100	100k	--	1k	--	20k	5k
751009	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
751217	2k	5k	--	1k	200	100k	--	1k	--	20k	5k
760107	2k	5k	--	1k	100	100k	--	1k	--	20k	--
760303	--	5k	--	1	100k	100k	--	1k	--	20k	5k
760429	--	5k	--	1k	200	100k	--	1k	--	20k	5k
760505	--	5k	--	1k	2500	100k	--	1k	--	20k	5k
760525	--	5k	--	5	900	100k	--	1k	--	20k	5k
760603	--	5k	--	1k	200	100k	--	1k	--	20k	5k
760622	--	5k	--	1k	100	100k	--	1k	--	20k	5k
760720	--	5k	--	1k	200	100k	--	1k	--	20k	5k
761027	--	5k	--	1	100k	100k	--	1k	--	20k	5k
761129	--	5k	--	1k	200	100k	--	2	--	20k	5k
761209	--	5k	--	1k	100k	100k	--	3	--	20k	5k
770329	--	5k	--	1	100	100k	--	1k	--	20k	5k
770426	--	5k	--	1k	3900	100k	--	1k	--	20k	5k
770512	--	5k	--	2	700	100k	--	1k	--	20k	5k
770526	--	5k	--	1k	100	100k	--	1k	--	20k	5k
770607	--	5k	--	1k	1000	100k	--	1k	--	20k	5k
770622	--	5k	--	1k	100	100k	--	1k	--	20k	5k
770725	--	5k	--	1k	100k	100k	--	1k	--	20k	5k
770818	--	5k	--	1k	100	100k	--	1k	--	20k	5k

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 95. 1/CANADIAN WATER QUALITY DATA  
 BULL RIVER, BRITISH COLUMBIA  
 STATION NO. 0200030

DATE	32730 PHENOL UG/L	01000 ARSENIC AS, DISS UG/L	01042 COPPER CU, TOT UG/L	01040 COPPER CU, DISS UG/L	01045 IRON FE, TOT UG/L	01046 IRON FE, DISS UG/L	01051 LEAD PB, TOT UG/L	01049 LEAD PB, DISS UG/L	01055 MANGNESE MN, TOT UG/L	01056 MANGNESE MN, DISS UG/L	01090 ZINC ZN, DISS UG/L
770907	--	5k	--	1k	200	100k	--	1k	20k	20k	5k
771012	--	5k	--	1k	100	100k	--	1k	--	20k	5k
780118	--	--	1k	--	100k	100k	1k	1k	20k	20k	--
780301	--	--	--	--	--	--	--	--	--	--	--
780515	--	--	--	--	--	--	--	--	--	--	--
780608	--	--	--	--	--	--	--	--	--	--	--
780619	--	--	1l	--	1200	100k	9	1k	20	20k	--
780718	--	--	--	--	--	--	--	--	--	--	--
780919	--	--	1k	--	100k	100k	1k	1k	20k	20k	--

k = less than the indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 96 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
72/01/30	15 00	2.2	217		160	0	2.0	188	183
72/04/15	15 00	1.1	166		140	2	0.0	168	152
72/07/28	07 30	1.3	131		109	1	4.0	106	116
72/08/16	07 00	7.7	152		130	6		150	135
72/09/19	08 00	1.3	160		140	12		168	149
72/10/12	12 35				148		0.0	174	
72/11/07	07 40				150			228	
72/12/07	10 00				200			224	
73/01/17	09 45	3.7	186		150	2	3.0	178	166
73/02/15	10 15				160			200	
73/03/22	10 00	2.2	208		170	0		168	182
73/04/26	10 45	1.8	135		110	3		137	124
73/05/17	13 00	2.1	103		83	0	7.5	134	93
73/06/21	16 00	1.1	136		110	0		114	119
73/07/19	07 00	4.1	157		130	3	1.5	155	139
73/08/16	07 00	5.1	202		150	0		172	168
73/09/11	07 00	3.6	179		150	3		151	156
73/10/25	13 00	4.5	179	0	150	3	10.0	165	158
73/11/21	11 45	2.5	157	0	130	3		133	139
73/12/20	14 30	2.7	170	0	150	6		143	151
74/01/24	10 30	1.7	134		110	3	6.7	126	124
74/02/21	10 30	1.8	182		150	0		160	160
74/03/29	12 45	2.1	165		140	9		154	151
74/04/18	13 45	1.2	151		130	3		142	141
74/05/10	14 00	1.2	117		100	6	5.8	124	110
74/06/26	08 00	1.7	106	0	92	5	3.5	88	95
74/07/24	07 45						14.0		
74/08/19	14 30	0.9	169	1	140	3	3.7	143	150
74/09/16	15 00	1.2	188	1	150	0	1.8	156	165
74/10/25	09 15	2.1	212	0	170	0	34.0	176	182
74/11/14	14 15	1.6	202	0	170	1	2.2	173	176
74/12/16	14 00	1.6	205	0	170	0	1.4	174	178
75/01/15	13 30	4.2	210	0	190	19	5.3	178	186
75/02/18	12 30	3.2	203	0	170	0	6.8	178	187
75/03/24	11 00	2.2	217	0	180	4	2.4	183	188
75/05/15	13 45	1.4	107	0	89	1	10.0	103	98

TABLE 96 TORACCO RIVER NEAR EUREKA, MT.  
USGS STATION NO. 12301300

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CACO3 MG/L	00902 NC HARD CACO3 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/06/02	12 30	1.3	105	0	85	0	5.4	90	93
75/06/12	09 30	1.4	113	0	87	0		97	96
75/07/07	12 00	1.0	127	0	110	3	2.0	107	113
75/07/30	16 00	1.0	153	0	130	5	1.6	142	133
75/10/01	08 00	1.9	187	0	160	3	2.0	159	163
75/10/01	09 00	1.9	187	0	160	3	2.0	159	163
75/11/20	11 30	1.5	186	0	150	0	1.6	150	160
75/12/23	13 00	1.3	162	0	130	0	4.8	138	142
76/01/20	14 00	2.3	184	0	140	0	1.1	153	159
76/02/18	11 30	0.9	183	0	140	0	1.3	155	157
76/04/09	08 00	1.2	152	0	120	0	8.8	133	135
76/05/11	12 45	1.0	103	0	83	0	18.0	100	91
76/05/21	09 00	1.0	122	0	100	1	5.3	109	107
76/06/30	12 30	0.8	126	0	100	0	1.8	109	107

TABLE 97. LOADING OF NITROGEN AND PHOSPHORUS IN THE TOBACCO RIVER, MONTANA

		TOBACCO RIVER NEAR EUREKA USGS STATION NO. 12301300					
YEAR	MONTH	00610	00605	00613	00618	00665	00671
		NH3-N TOTAL (KG/MONTH)	ORG N N (KG/MONTH)	NO2-N DISS (KG/MONTH)	NO3-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHOP (KG/MONTH)
1972	JAN	2133		0	301	436	297
	FEB	1800		0	230	421	202
	MAR	6152		0	638	1761	397
	APR	5195		0	351	1634	40
	MAY	14715		0	505	5516	332
	JUN	16299		0	260	6253	550
	JUL	7347		0	12	2791	294
	AUG	1603		0	39	389	31
	SEP	1302		0	206	188	80
	OCT	1437		0	74	218	128
	NOV	1857		0	440	389	259
	DEC	1414		0	672	226	113
	TOTAL (KG/YEAR)	61255		0	3726	20422	2742
	N =	8	0	8	8	8	8
1973	JAN	2254		7	633	289	63
	FEB	2731		50	538	191	7
	MAR	15284		41	1191	510	15
	APR	10616		15	792	2027	229
	MAY	36463		1249	868	8563	122
	JUN	34463		414	236	3115	0
	JUL	7394		18	292	587	18
	AUG	1888		109	350	237	126
	SEP	1603		79	296	516	210
	OCT	1342		16	253	334	233
	NOV	3481		87	645	249	385
	DEC	2585		20	399	377	266
	TOTAL (KG/YEAR)	120103		2104	6495	16994	1673
	N =	10	0	12	12	12	12

TABLE 97. LOADING OF NITROGEN AND PHOSPHORUS IN THE TOBACCO RIVER, MONTANA

		TOBACCO RIVER NEAR EUREKA USGS STATION NO. 12301300					
YEAR	MONTH	00610	00605	00613	00618	00665	00671
		NH3-N TOTAL (KG/MONTH)	ORG N N (KG/MONTH)	NO2-N DISS (KG/MONTH)	NO3-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHOP (KG/MONTH)
1974	JAN	8058		5	2424	624	94
	FEB	3256		70	948	345	78
	MAR	6117		88	803	1194	219
	APR	18319		30	3309	4769	418
	MAY	19099		0	2227	7103	163
	JUN		33067	0	1568	27332	870
	JUL		8254	0	706	9326	437
	AUG		886	0	382	743	126
	SEP		1080	0	341	285	13
	OCT		918	0	442	113	2
	NOV		290	0	531	209	115
	DEC		2419	0	559	471	314
	TOTAL (KG/YEAR)			193	14241	52515	2849
	N =	5	6	11	11	11	11
1975	JAN		11920	0	1306	125	97
	FEB		2300	0	3468	93	58
	MAR		764	0	1902	94	168
	APR		3164	0	989	352	228
	MAY		19445	0	4494	2676	461
	JUN		12837	0	771	1908	1
	JUL		3070	0	163	173	57
	AUG		607	0	44	44	87
	SEP		282	0	133	133	90
	OCT		635	29	271	157	64
	NOV		1806	86	491	126	20
	DEC		3140	54	1134	295	120
	TOTAL (KG/YEAR)		59969	168	15166	6176	1453
	N =	0	11	10	11	11	11

TABLE 97. LOADING OF NITROGEN AND PHOSPHORUS IN THE TOBACCO RIVER , MONTANA

TOBACCO RIVER NEAR EUREKA  
USGS STATION NO. 12301300

YEAR	MONTH	00610	00605	00613	00618	00665	00671
		NH3-N TOTAL (KG/MONTH)	ORG N N (KG/MONTH)	NO2-N DISS (KG/MONTH)	NO3-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1976	JAN		2041	0	1010	205	95
	FEB		2938	0	683	210	14
	MAR		4702	0	655	791	0
	APR		30918	0	2788	6364	0
	MAY		69031	0	5428	12955	32
	JUN		5160	0	1511	1644	311
	JUL						
	AUG						
	SEP						
	OCT						
	NOV						
	DEC						
TOTAL (KG/YEAR)							
N =		0	5	6	6	6	6
1977	JAN						
	FEB						
	MAR						
	APR						
	MAY						
	JUN						
	JUL						
	AUG						
	SEP						
TOTAL (KG/YEAR)							
N =		0	0	0	0	0	0

TABLE 98. LOADING OF NITROGEN AND PHOSPHORUS IN THE FLK RIVER AT PHILLIPS BRIDGE NEAR ELKO, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NK005  
2/WATER QUALITY - CANADIAN STATION NO. 0200016

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1972	JAN	10721	2913	782	6853	239	1239	931
	FEB	8890	1178	484	7090	242	1886	1138
	MAR	29277	7011	3881	19459	754	5355	1505
	APR	35691	9837	9024	17304	771	4281	1221
	MAY	229005	112795	8786	112989	3923	14284	7376
	JUN	293336	174024	11420	110755	5710	21108	9496
	JUL	52821	38150	4338	14049	2169	11817	2383
	AUG	16572	13541	2155	4487	1078	4020	769
	SEP	14690	7955	1367	6281	668	1268	401
	OCT	18766	7307	2204	9567	669	3908	401
	NOV	13198	7166	1776	4888	467	1166	280
	DEC	13862	3500	2828	7540	317	1070	377
TOTAL (KG/YEAR)		736833	365418	49044	321264	17005	71402	26278
N =		12	12	12	12	12	12	12
1973	JAN	12795	3172	1692	7944	267	1067	503
	FEB	9009	2430	417	5121	208	561	378
	MAR	14770	4366	764	5135	382	1094	508
	APR	23354	7720	1379	7257	690	3298	565
	MAY	78332	29581	5403	32209	2701	17720	2161
	JUN	76636	32938	6128	26374	3064	15025	2451
	JUL	21791	11210	2131	5705	1065	3051	779
	AUG	7781	5168	1006	2012	503	648	302
	SEP	4759	3966	761	1562	381	447	228
	OCT	11140	5032	730	2017	365	973	220
	NOV	24925	10382	1252	12265	487	3094	515
	DEC	21472	11003	2166	8303	385	1084	339
TOTAL (KG/YEAR)		366763	127365	23828	115904	10498	48062	8950
N =		4	4	11	11	11	11	11

TABLE 98. LOADING OF NITROGEN AND PHOSPHORUS IN THE ELK RIVER AT PHILLIPS BRIDGE NEAR ELKO, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NK005  
2/WATER QUALITY - CANADIAN STATION NO. 0200016

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N	ORG N N	NH3-N TOTAL	NO3-N DISS	NO2-N DISS	PHOS-TOT	PHOS-DISS ORTHO
		(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)
1974	JAN	28142	9341	3691	15110	615	2450	680
	FEB	8442	2165	2070	4255	292	929	241
	MAR	6371	3611	2047	1432	320	732	192
	APR	57164	30785	8155	17779	1317	9777	1245
	MAY	159149	73826	6137	76693	3356	44952	4657
	JUN	321066	196247	8027	111441	6689	152998	11149
	JUL	112240	81968	2925	27324	2494	61227	4078
	AUG	35189	29029	1069	7444	981	13381	1117
	SEP	15116	13962	563	2555	555	2107	383
	OCT	7718	3193	371	1570	371	663	223
	NOV	5190	873	324	3489	324	479	194
	DEC	7409	2499	386	4773	283	410	183
TOTAL (KG/YEAR)		763195	447500	35764	273866	17597	290106	21342
N =		9	10	10	10	10	10	10
1975	JAN	9635	2301	882	6515	246	475	242
	FEB	7228	972	762	5706	204	660	257
	MAR	8932	2322	681	6052	278	835	330
	APR	17438	3368	1501	13151	459	3489	545
	MAY	156413	88024	4583	63483	2453	93953	5231
	JUN	308280	240731	8561	59461	4044	232635	5718
	JUL	69444	46715	3309	18743	1993	15507	1727
	AUG	22579	10947	875	8678	806	1198	484
	SEP	15382	6976	692	4511	549	787	330
	OCT	9310	3475	758	4073	468	1260	325
	NOV	14581	3469	1102	9956	578	1533	583
	DEC	26660	4833	1660	20265	781	1715	991
TOTAL (KG/YEAR)		665883	414134	25367	220594	12861	354047	16762
N =		12	12	12	11	11	12	12

TABLE 98. LOADING OF NITROGEN AND PHOSPHORUS IN THE ELK RIVER AT PHILLIPS BRIDGE NEAR ELKO, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NK005  
2/WATER QUALITY - CANADIAN STATION NO. 0200016

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N	ORG N N	NH3-N TOTAL	NO3-N DISS	NO2-N DISS	PHOS-TOT	PHOS-DISS ORTHO
		(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)	(KG/MONTH)
1976	JAN	6969	2880	747	8883	356	619	284
	FEB	9166	6955	500	4035	258	363	173
	MAR	11709	8530	465	2659	265	383	159
	APR	29193	16466	1743	10614	1052	2094	636
	MAY	304442	204809	10539	88893	3776	53026	6148
	JUN	93061	61955	5272	25962	2611	18098	2099
	JUL	29593	21620	3760	8870	1798	7542	1079
	AUG	32992	20444	2940	14127	1633	4299	980
	SEP	19855	9483	1301	10195	723	1420	434
	OCT	15657	6127	810	8856	447	575	268
	NOV	13970	3592	836	9324	338	487	203
	DEC	14700	3167	1177	10352	306	150	287
TOTAL (KG/YEAR)		581309	366028	30088	202770	13564	89057	12750
N =		12	12	12	11	11	11	12
1977	JAN	11956	3507	861	7547	274	189	255
	FEB	8684	3322	526	4744	223	236	196
	MAR	8110	4062	370	3519	235	361	195
	APR	71530	46953	2936	21387	647	15347	1086
	MAY	123833	75404	4379	42777	1587	24861	1901
	JUN	32738	17461	1960	12634	1321	4523	793
	JUL	12054	7803	1082	3145	553	919	332
	AUG	9053	2456	1282	5562	518	893	311
	SEP	11491	2617	796	7903	485	919	291
	OCT	8494	1411	639	6484	357	452	234
	NOV	6469	825	1498			586	261
	DEC	6203	1063	2004			729	317
TOTAL (KG/YEAR)		310616	166883	18334			50016	6169
N =		11	11	11	10	10	11	11



TABLE 98. LOADING OF NITROGEN AND PHOSPHORUS IN THE ELK RIVER AT PHILLIPS BRIDGE NEAR ELKO, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NK005  
 2/WATER QUALITY - CANADIAN STATION NO. 0200016

YEAR	MONTH	00600	00605	00610	0061A	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1978	JAN	6222	2341	877			504	291
	FEB	4976	2036	475			441	283
	MAR	17593	8016	628			1310	475
	APR	62072	39519	2241			10389	1224
	MAY	514730	267111	10552			123417	6038
	JUN	383739	183576	8881			110920	7695
	JUL	152983	69312	6853			19257	1461
	AUG	20711	8973	1258			2246	460
	SEP	14015	6099	705			768	455
	OCT	6721	2418	566			404	296
	NOV							
	DEC							
	TOTAL (KG/YEAR)							
	N =	11	11	11	0	0	11	11

TABLE 99. LOADING OF NITROGEN AND PHOSPHORUS IN THE RULL RIVER NEAR WARDNER, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG002  
 2/WATER QUALITY - CANADIAN STATION NO. 0200030

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1972	JAN	1946	379	225	1761	77	275	60
	FEB	2245	616	465	1426	75	210	54
	MAR	8815	2943	2433	3816	255	508	166
	APR	11775	4273	3628	3921	323	453	195
	MAY	53316	18701	15243	19372	1729	1870	1037
	JUN	59666	19800	15334	23933	2233	1980	1340
	JUL	22926	6963	4453	11510	1040	668	624
	AUG	15026	4230	1298	9493	487	293	292
	SEP	9228	2250	904	6074	256	177	154
	OCT	9168	1767	1484	5917	255	211	153
	NOV	5485	770	1247	3468	152	148	91
	DEC	4416	373	1313	2731	123	138	74
	TOTAL (KG/YEAR)	203412	63068	48026	93422	7005	6931	4240
	N =	4	4	4	4	4	4	4
1973	JAN	2831	171	903	1781	85	97	51
	FEB	2168	160	604	1476	80	82	48
	MAR	2403	231	508	1840	116	104	69
	APR	4663	636	604	4003	292	229	175
	MAY	18228	3225	2384	15003	1192	869	715
	JUN	19510	4194	2634	15316	1317	897	790
	JUL	7750	1998	1083	5751	542	342	325
	AUG	3744	1035	457	2709	228	155	137
	SEP	3685	969	337	2716	168	145	101
	OCT	4278	1090	314	3188	157	164	94
	NOV	5923	1489	375	4434	187	217	112
	DEC	4551	1174	281	3377	141	135	84
	TOTAL (KG/YEAR)	79734	16373	10483	61595	4506	3436	2703
	N =	4	4	4	4	4	4	4

TABLE 99. LOADING OF NITROGEN AND PHOSPHORUS IN THE RULL RIVER NEAR WARDNER, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG002  
2/WATER QUALITY - CANADIAN STATION NO. 0200030

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1974	JAN	6068	1617	371	4450	185	128	111
	FEB	3708	1012	225	2696	112	93	67
	MAR	4367	1226	262	3141	131	173	79
	APR	19449	5615	1153	13833	576	1061	346
	MAY	48636	14643	2875	33994	1469	3264	882
	JUN	84841	29546	5128	55295	2955	7750	1773
	JUL	32740	13403	2039	19337	1340	3975	804
	AUG	9117	4666	596	4451	467	1566	280
	SEP	3485	2263	243	1222	233	842	140
	OCT	2178	954	146	1223	146	352	88
	NOV	2134	427	128	1707	128	115	77
	DEC	2572	927	108	1635	103	98	62
	TOTAL (KG/YEAR)	219294	76301	13274	142984	7846	19418	4708
	N =	4	4	4	4	4	5	5
1975	JAN	3171	1275	143	1817	104	120	62
	FEB	2740	1136	137	1485	78	102	47
	MAR	2311	803	120	1425	79	81	48
	APR	4002	1021	286	2680	180	258	108
	MAY	58605	22574	2042	33740	1146	7904	687
	JUN	139986	96211	2700	43951	1735	20115	1041
	JUL	11362	8381	1415	14208	1018	3618	611
	AUG	11822	6829	433	4330	433	459	260
	SEP	5667	2523	293	2929	293	240	176
	OCT	3897	897	517	2673	230	151	138
	NOV	9661	2732	1948	5092	295	238	177
	DEC	14096	4281	2943	6833	302	285	181
	TOTAL (KG/YEAR)	267320	148662	12978	121164	5892	33570	3535
	N =	11	11	11	11	11	11	11

TABLE 99. LOADING OF NITROGEN AND PHOSPHORUS IN THE RULL RIVER NEAR WARDNER, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG002  
2/WATER QUALITY - CANADIAN STATION NO. 0200030

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1976	JAN	5414	1652	329	3403	152	133	91
	FEB	4057	1360	259	2485	106	117	64
	MAR	3797	1483	235	2166	102	136	61
	APR	14720	7023	557	7511	429	675	258
	MAY	108001	33008	2407	71522	1759	3180	1055
	JUN	35620	7383	1906	26029	1153	2362	692
	JUL	16764	3630	2070	12554	971	2191	582
	AUG	10070	1738	1374	7974	690	1730	414
	SEP	5280	937	522	4005	299	820	179
	OCT	3971	716	292	2918	190	567	114
	NOV	4308	687	457	3054	135	433	81
	DEC	3197	328	165	2598	107	370	64
	TOTAL (KG/YEAR)	215201	59945	10573	146218	6093	12715	3656
	N =	11	11	11	11	11	1	11
1977	JAN	2351	384	86	1807	80	296	48
	FEB	2145	485	79	1518	70	277	42
	MAR	2260	649	84	1469	71	296	43
	APR	22260	7902	660	13453	263	1166	196
	MAY	48279	14904	1041	31775	702	2565	441
	JUN	24175	8703	706	14903	706	2158	423
	JUL	5919	1768	281	4151	276	290	165
	AUG	4839	616	397	4224	250	300	150
	SEP	6643	1459	346	5184	261	480	157
	OCT	6473	2693	236	3419	171	164	103
	NOV	5405	1406	383			136	73
	DEC	4466	611	402			125	57
	TOTAL (KG/YEAR)	135215	41580	4700			8254	1897
	N =	11	11	11	10	10	9	11

TABLE 99. LOADING OF NITROGEN AND PHOSPHORUS IN THE BULL RIVER NEAR WARDNER, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG002  
 2/WATER QUALITY - CANADIAN STATION NO. 0200030

YEAR	MONTH	00600	00605	00610	0061A	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1978	JAN	3406	574	145			98	56
	FEB	2591	535	73			64	44
	MAR	6767	2211	145			463	87
	APP	26096	10694	431			2742	258
	MAY	84396	40139	1578			13433	1018
	JUN	82735	43295	2837			19902	1933
	JUL	18599	7651	846			1509	507
	AUG	6392	2830	327			341	196
	SEP	6535	3235	278			428	167
	OCT							
	NOV							
	DEC							
	TOTAL (KG/YEAR) N =	7	7	7	0	0	7	7

TABLE 100. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
KOOTENAY RIVER AT WARDNER, STATION NO. 08NG005

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1971

DAY	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1670	2360	1600	1620	7490	34000	20900	13600	5870	3180	2400	2010	
2	1540	2350	1510	1550	8200	31900	21000	13600	6210	3100	2450	1850	
3	1300	2180	1480	1540	9820	33900	21000	13700	6100	3010	2470	1770	
4	1190	1980	1550	1540	13100	35400	20000	13600	5720	2980	2610	1750	
5	1080	1780	1540	1540	17400	36600	18200	12700	5260	3100	2450	1790	
6	1180	1590	1540	1590	19700	38000	17900	11700	4990	3340	2340	1880	
7	1320	1350	1540	1760	20300	39000	17000	11300	5040	3510	2350	1560	
8	1540	1230	1520	1900	19800	39000	15400	11100	6050	3600	2330	1210	
9	1630	1300	1540	2080	20700	39500	14400	10500	5620	3570	2280	1130	
10	1580	1400	1540	2380	22700	34500	15300	10400	5100	3390	2440	1280	
11	1380	1620	1550	2470	23000	28800	15700	9720	4860	3320	2520	1180	
12	1320	1730	1570	2420	25700	26800	21400	9500	4820	3150	2550	1210	
13	1310	1930	1580	2240	31100	27400	19200	9180	4880	3080	2570	1240	
14	1320	1950	1570	2270	37300	29900	17700	8690	4630	3170	2570	1300	
15	1350	2040	1550	2400	31200	30000	17800	8320	4350	3410	2520	1510	
16	1620	2220	1510	2660	24300	26100	19200	7780	4090	3300	2420	1470	
17	1800	2150	1510	2750	20000	22700	20500	7380	3950	3080	2340	1540	
18	1880	1900	1490	2660	17100	21000	21200	6910	3810	2950	2280	1560	
19	1960	1930	1470	2580	15200	20400	20600	6510	3660	2890	2240	1680	
20	2000	1870	1490	2840	14500	21300	21600	6230	3550	3010	2240	1990	
21	1900	1760	1500	3270	14000	24300	22100	6100	3480	2950	2240	1650	
22	1790	1750	1500	4130	13800	28400	21900	6050	3420	2840	2240	1790	
23	1770	1730	1450	4990	14600	33300	21200	6120	3340	2810	2230	1800	
24	1770	1770	1470	6290	17600	39100	20800	6370	3250	2810	2170	1760	
25	780	1780	1470	7720	22600	38000	19800	5920	3170	2750	2150	1760	
26	1790	1770	1530	8260	28400	35200	17200	5330	3150	2780	2140	1620	
27	1790	1710	1540	8500	32800	30100	15300	5310	3130	2780	2110	1630	
28	1810	1650	1510	8140	39600	24600	14700	5240	3170	2780	2100	1440	
29	1890	---	1520	7520	40400	21600	14500	5100	3230	2490	2090	1350	
30	2010	---	1550	7190	36400	20600	13700	5100	3230	2240	2080	1440	
31	2170	---	1600	---	35600	---	13100	5350	---	2240	---	1580	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	(YEAR)
TOTAL	49440	50780	47290	108800	694410	911400	570300	264410	131130	93610	69920	48730	3040220.
MEAN	1595	1814	1525	3627	22400	30380	18397	8529	4371	3020	2331	1572	8329
MAX	2170	2360	1600	8500	40400	39500	22100	13700	6210	3600	2610	2010	40400
MIN	780	1230	1450	1540	7490	20400	13100	5100	3130	2240	2080	1130	780

LAT. 49 25 13; LONG. 115 25 10  
BRITISH COLUMBIA, AT HIGHWAY BRIDGE.

TABLE 101. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
KOOTENAY RIVER AT FORT STEELE, STATION NO. 08NG065

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1972

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1380	990	1210	1730	3100	45500	22400	16100	5520	3620	2700	1470	
2	1350	1070	1160	1900	3120	50400	23300	15500	5270	3640	2720	1540	
3	1320	1090	1090	1970	3340	52700	19900	15000	4970	3780	2750	1400	
4	1300	1070	1030	1930	3580	49100	20500	14500	4740	3930	2720	1050	
5	1280	1070	1050	1910	4090	47100	21300	13000	4360	3980	2680	980	
6	1290	1080	1150	2010	4690	45000	24000	13100	4740	3820	2620	950	
7	1290	1090	1170	2180	4870	48100	25400	12500	4590	3710	2620	955	
8	1300	1110	1160	2240	4820	48400	24700	11800	4380	3750	2620	960	
9	1310	1130	1120	2150	4860	50400	25400	11400	4210	3480	2620	950	
10	1290	1100	1210	2030	5050	52200	22900	11000	4130	3420	2540	950	
11	1240	1100	1380	1950	5430	50300	18200	10500	4090	3330	2430	980	
12	1180	1100	1480	1950	6460	49300	18000	10000	4080	3280	2160	1040	
13	1070	1100	1530	1920	8520	45000	17800	9430	4080	3250	2210	1100	
14	1010	1100	1600	1840	12000	34300	14100	9260	4040	3200	2240	1250	
15	970	1060	1640	1880	16900	28900	18200	8820	4040	3310	2220	1500	
16	990	1060	1730	1890	18900	32800	18700	8680	4080	3620	2240	1700	
17	1030	1140	1920	1960	18300	43800	19200	8340	4060	3540	2220	1850	
18	1080	1070	2020	1870	17900	36700	21000	8040	4020	3620	2210	2000	
19	1090	1040	2140	1810	17100	30900	20000	7860	3980	3590	2210	2080	
20	1090	1100	2240	1770	17000	28200	16900	7600	3960	3550	2160	2130	
21	1080	1120	2230	1820	20400	28200	15400	7270	3940	3600	2130	2130	
22	1070	1060	2180	1890	23800	32400	16400	7020	3910	3350	2100	2090	
23	1050	1030	2150	1890	24800	27200	16800	6970	3890	3110	2070	2060	
24	950	1020	2210	1880	23500	27300	17000	6850	3840	3110	2010	2040	
25	910	1010	2170	1950	20600	28700	16900	6670	3800	3030	1970	1930	
26	910	1020	2100	2030	18300	29200	16800	6470	3750	2990	1940	1920	
27	910	1030	1940	2160	17900	29700	16600	6420	3710	2960	1870	1930	
28	915	1090	1840	2410	22000	30200	17200	6350	3550	2940	1800	1780	
29	920	1250	1810	2880	29800	30700	18100	6180	3420	2920	1600	1630	
30	935	---	1720	3090	37300	31400	17200	6110	3330	2890	1540	1480	
31	950	---	1670	---	42200	---	16700	5920	---	2860	---	1420	(YEAR)
TOTAL	34460	31300	51050	60890	460630	1164100	597000	294660	124480	105180	67920	47245	3038915.
MEAN	1112	1079	1647	2030	14859	38803	19258	9505	4149	3393	2264	1524	8303
MAX	1380	1250	2240	3090	42200	52700	25400	16100	5520	3980	2750	2130	52700
MIN	910	990	1030	1730	3100	27200	14100	5920	3330	2860	1540	950	910

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1973

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1370	1390	1420	1490	2630	20200	19100	6960	4390	3130	2930	2120	
2	1350	1380	1420	1490	2540	19200	16700	7010	4240	3070	2750	2130	
3	1300	1380	1420	1500	2590	16600	14000	6990	4000	3000	2510	2090	
4	1270	1410	1390	1520	2780	14700	13400	6930	3810	2880	2260	2050	
5	1180	1400	1370	1560	3000	14300	15400	6880	3680	2750	2070	1910	
6	1100	1280	1350	1660	3380	16700	16900	6970	3580	2690	2030	1870	
7	1010	1070	1350	1680	3970	23100	15900	6960	3590	2710	1900	1930	
8	940	990	1360	1600	4180	26800	13700	6220	3700	2790	1920	1980	
9	910	960	1370	1600	4190	25200	12000	5770	3810	2700	2020	1860	
10	900	950	1380	1620	4010	21100	11800	5640	3740	2620	2260	1630	
11	903	990	1410	1670	3750	17700	12700	5680	3700	2560	2640	1680	
12	935	1030	1350	1800	3590	15200	13300	5760	3680	2510	2890	1870	
13	975	1080	1330	1990	3650	14800	11900	5570	3650	2440	3000	1950	
14	1040	1130	1300	2090	4330	17600	11100	5440	3500	2550	2850	1940	
15	1130	1180	1300	2120	6430	19000	11100	5290	3280	2630	2690	1880	
16	1220	1270	1330	2060	11300	16700	11400	5130	3080	2540	2620	1890	
17	1320	1310	1450	2060	18800	14600	11800	4970	2960	2480	2560	1900	
18	1400	1310	1500	2040	23700	13200	11000	4810	2830	2420	2420	1900	
19	1480	1290	1460	2000	24500	12300	10000	4570	2770	2380	2220	1830	
20	1530	1250	1440	1950	22400	12200	9570	4260	2790	2370	2040	1780	
21	1540	1230	1470	1930	19200	14200	9810	4030	2910	2400	2020	1760	
22	1520	1230	1520	1970	15200	18800	11000	3910	2980	2640	2040	1770	
23	1440	1230	1560	2110	13600	24600	10600	3870	3180	3010	2070	1780	
24	1460	1250	1560	2230	13800	29000	9390	3870	3410	3220	2010	1760	
25	1490	1270	1540	2310	18000	29400	8420	3870	3560	3340	1990	1740	
26	1470	1300	1600	2320	22700	26300	7840	3930	3440	3280	1920	1700	
27	1360	3330	1630	2410	19600	24500	7490	3760	3230	3110	1970	1670	
28	1350	1360	1570	2680	15900	23500	7400	3580	3060	2940	1990	1650	
29	1350	---	1530	2800	13900	22800	7350	3460	2980	2930	2120	1260	
30	1350	---	1500	2710	13800	21100	7160	3370	3050	3070	2130	1100	
31	1360	---	1500	---	16500	---	7000	3730	---	3040	---	1070	(YEAR)
TOTAL	38953	36250	44680	58970	337920	585400	356230	159190	102580	86200	68840	55450	1930663.
MEAN	1257	1295	1441	1966	10901	19513	11491	5135	3419	2781	2295	1789	5289
MAX	1540	3330	1630	2800	24500	29400	19100	7010	4390	3340	3000	2130	29400
MIN	900	950	1300	1490	2540	12200	7000	3370	2770	2370	1900	1070	900

LAT. 49 36 50; LONG. 115 38 05  
BRITISH COLUMBIA AT NO. 95 AND NO. 93 HIGHWAY CROSSING (CORRECTED), 0.2 MILES BELOW MOUTH OF ST. MARY RIVER.

TABLE 101. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
KOOTENAY RIVER AT FORT STEELF, STATION NO. 08NG065

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1030	1660	1470	1680	7980	14400	29400	12900	5380	2960	1930	1460	
2	1030	1660	1450	1650	8690	14400	29200	12400	5220	2880	1910	1520	
3	1040	1660	1470	1630	8100	18700	26300	12000	4940	2870	1890	1540	
4	1060	1690	1440	1620	7430	22700	24600	11500	4740	2880	1840	1580	
5	1080	1680	1430	1610	7350	22900	25700	11100	4630	2820	1780	1660	
6	1120	1640	1430	1610	8580	20700	24600	11100	4460	2740	1760	1650	
7	1130	1620	1370	1670	10800	18600	22700	11000	4350	2650	1800	1650	
8	1160	1550	1340	1730	14300	17100	21500	9780	4290	2600	1850	1600	
9	1190	1560	1350	1770	15600	16700	21200	8700	4200	2550	1830	1550	
10	1210	1560	1380	1820	14000	17100	22400	7900	4440	2500	1810	1540	
11	1250	1550	1420	1950	12000	19100	22600	7870	4870	2460	1770	1560	
12	1290	1550	1490	2110	10600	26600	22600	8040	4750	2390	1770	1580	
13	1400	1540	1560	2180	9480	36700	20000	8400	4410	2350	1790	1550	
14	1740	1550	1540	2200	8730	41600	17700	8060	4180	2310	1750	1520	
15	2150	1550	1490	2300	8160	44100	18100	7460	3970	2290	1700	1490	
16	2610	1530	1460	2490	7690	48500	22400	6970	3870	2260	1660	1470	
17	2680	1540	1500	2700	7200	58200	22900	6540	3780	2230	1660	1490	
18	2520	1540	1580	2790	6930	63100	19900	6430	3720	2210	1670	1510	
19	2260	1540	1600	2980	6710	64400	20100	6410	3670	2180	1700	1440	
20	2000	1500	1540	3250	6460	62300	23400	6460	3610	2130	1730	1430	
21	1870	1450	1490	3360	6390	60700	22400	6450	3530	2130	1910	1500	
22	1790	1450	1480	3370	6740	59300	19800	6590	3450	2110	2150	1570	
23	1810	1440	1450	3430	7680	56000	18000	6390	3380	2110	2170	1380	
24	1870	1440	1410	3560	9280	54400	17100	6160	3320	2090	2020	1300	
25	1900	1440	1440	4280	10500	54100	15800	6040	3250	2060	1940	1300	
26	1970	1440	1450	5820	13200	51500	15100	5970	3210	2030	1870	1250	
27	1930	1450	1480	7540	20900	46100	14000	5900	3230	2010	1760	1190	
28	1900	1460	1540	7750	22000	38900	13200	5800	3230	2000	1600	1160	
29	1820	---	1650	7430	19100	32100	13000	5650	3120	1990	1450	1110	
30	1790	---	1690	7290	17200	28600	13100	5420	3030	1960	1380	1070	
31	1650	---	1690	---	15800	---	13300	5330	---	1940	---	1030	(YEAR)
TOTAL	51250	43240	46080	95560	335620	1129600	632100	246720	120230	72690	53850	44650	2871590.
MEAN	1653	1544	1486	3185	10826	37653	20390	7959	4008	2345	1795	1440	7867
MAX	2680	1690	1690	7750	22000	64400	29400	12900	5380	2960	2170	1660	64400
MIN	1030	1440	1340	1610	6390	14400	13000	5330	3030	1940	1380	1030	1030

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1975

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1000	1270	1290	1280	2560	16100	12300	9290	8340	3190	2850	1850	
2	962	1260	1350	1240	2560	18600	13000	8870	7860	3130	2790	1950	
3	970	1260	1450	1250	2690	21300	16500	9210	7450	3080	2800	2430	
4	980	1270	1500	1260	2860	23300	22100	8480	7020	3220	2930	3470	
5	990	1260	1410	1260	2940	23600	24700	7820	6630	3540	3150	3880	
6	995	1250	1470	1250	2990	24300	25200	7480	6300	3660	3310	3310	
7	1000	1230	1390	1260	3040	24100	24300	7250	6010	3940	3470	2980	
8	1010	1240	1320	1280	3140	21400	24600	6980	5800	3830	3410	2820	
9	1020	1250	1320	1310	3500	18800	22100	7160	5640	3610	3290	2900	
10	1030	1260	1350	1320	4200	17100	20900	6670	5430	3450	3140	3290	
11	950	1280	1350	1330	5110	17600	20200	6230	5260	3440	2980	3090	
12	800	1280	1320	1360	6350	20000	19900	5870	5070	3410	2900	2410	
13	840	1280	1310	1420	8020	22500	19000	5660	4880	3320	2880	2200	
14	930	1310	1300	1510	9140	23900	17800	5510	4740	3180	2850	2060	
15	1020	1340	1310	1590	10300	23800	16800	5400	4610	3140	2990	2240	
16	1170	1350	1320	1620	12700	23400	15600	5390	4550	3080	3180	2260	
17	1380	1350	1340	1660	14200	22600	15100	5680	4820	3060	3110	2210	
18	1450	1350	1340	1690	13300	20700	13800	6270	5070	3130	2890	2100	
19	1500	1360	1370	1720	12000	19600	12500	6770	4750	3440	2480	2200	
20	1570	1370	1380	1810	10300	19000	11200	6610	4410	3580	2090	2300	
21	1580	1360	1360	1830	9040	19500	10500	6540	4160	3450	1840	2310	
22	1550	1320	1330	1810	8620	21500	10100	6310	4040	3260	1860	2220	
23	1540	1290	1330	1790	8870	21900	9520	6920	3940	3100	2130	2150	
24	1550	1310	1330	1840	9160	20800	8990	7580	3850	2980	2540	2170	
25	1530	1320	1310	1870	8840	22100	8720	7240	3820	2910	2590	2200	
26	1520	1290	1260	1930	8110	24100	8710	6880	3710	2960	2540	2260	
27	1410	1260	1240	2070	7670	22600	8560	6650	3600	2910	2370	2420	
28	1340	1260	1220	2430	7510	18400	8600	6420	3470	2860	2050	2280	
29	1340	---	1220	2560	8050	15400	9210	7520	3370	2810	1760	2240	
30	1300	---	1280	2570	9770	13300	9720	9310	3280	2880	1770	2260	
31	1260	---	1300	---	12700	---	9920	8940	---	2900	---	2230	(YEAR)
TOTAL	37487	36230	41370	49120	230240	621300	470150	218910	151880	100450	80940	76690	2114767.
MEAN	1209	1294	1335	1637	7427	20710	15166	7062	5063	3240	2698	2474	5794
MAX	1580	1370	1500	2570	14200	24300	25200	9310	8340	3940	3470	3880	25200
MIN	800	1230	1220	1240	2560	13300	8560	5390	3280	2810	1760	1850	800

LAT. 49 36 50; LONG. 115 38 05  
BRITISH COLUMBIA AT NO. 95 AND NO. 93 HIGHWAY CROSSING (CORRECTED), 0.2 MILES BELOW MOUTH OF ST. MARY RIVER.

TABLE 101. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
KOOTENAY RIVER AT FORT STEELE, STATION NO. 08NG065

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1976

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	2390	1620	1420	1590	3740	16000	29100	12500	8340	4480	2570	1670	
2	2330	1620	1250	1590	4880	14000	28800	12700	8160	4440	2580	1730	
3	1880	1620	1210	1580	6760	13200	23700	13600	8270	4810	2510	1740	
4	1910	1540	1210	1600	8960	12200	20500	13200	7810	5140	2440	1760	
5	1940	1500	1260	1630	10500	11300	21300	13000	7290	4690	2420	1720	
6	1980	1460	1350	1680	12400	10800	22100	15000	7390	4390	2400	1650	
7	1900	1460	1450	1850	13500	10900	22900	14000	8820	4130	2360	1650	
8	1820	1500	1490	2140	15800	13000	25100	12800	8720	3960	2330	1700	
9	1790	1590	1530	2420	19100	13300	25200	12000	7870	3350	2310	1820	
10	1800	1670	1580	2880	21900	23600	23500	12100	7420	3760	2260	1830	
11	1870	1710	1590	3490	28200	23600	21700	11800	7180	3670	2170	1740	
12	1890	1720	1490	4660	27200	22200	20600	11100	6950	3600	2050	1750	
13	1890	1700	1460	5560	22400	20600	21000	10600	7750	3460	1870	1730	
14	1700	1670	1410	5620	22600	18300	20400	10300	7720	3360	1730	1590	
15	1680	1660	1400	5260	22900	16900	19100	10200	7190	3270	1650	1590	
16	1770	1650	1390	4770	20000	17700	17900	10400	6740	3170	1720	1660	
17	1950	1640	1410	4280	19200	20500	18600	12200	6410	3120	2030	1760	
18	2050	1620	1540	3960	19200	21500	19800	12400	6310	3060	2300	1780	
19	1980	1600	1630	3680	17600	23500	20000	11000	6510	2990	2250	1760	
20	1820	1580	1510	3490	17500	26500	19000	10400	6270	2960	2030	1640	
21	1700	1560	1570	3320	18600	25800	17700	10500	5970	2930	1810	1480	
22	1590	1540	1500	3210	17300	23200	16500	9910	5670	2890	1720	1500	
23	1630	1550	1530	3090	17500	21800	14700	9320	5490	2870	1770	1540	
24	1620	1590	1550	3020	19800	21600	14000	9220	5410	2790	1890	1540	
25	1630	1600	1550	3060	22000	20500	14500	9630	5270	2750	2070	1520	
26	1650	1580	1510	3090	20700	18200	14500	11300	5140	2730	2030	1660	
27	1660	1530	1510	3020	18500	15800	14300	12400	4980	2670	1820	1740	
28	1720	1510	1520	3020	20400	14900	13100	10800	4850	2630	1360	1630	
29	1730	1410	1500	3070	24100	16400	11600	9760	4710	2610	1440	1480	
30	1720	---	1550	3240	21200	21900	12100	9200	4550	2630	1530	1390	
31	1690	---	1550	---	18300	---	12700	8700	---	2570	---	1290	(YEAR)
TOTAL	56680	46000	45420	94870	552740	549700	596000	352040	201160	105880	61420	51040	2712950.
MEAN	1828	1586	1465	3162	17830	18323	19226	11356	6705	3415	2047	1646	7412
MAX	2390	1720	1630	5620	28200	26500	29100	15000	8820	5140	2580	1830	29100
MIN	1590	1410	1210	1580	3740	10800	11600	8700	4550	2570	1360	1290	1210

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1977

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	1160	1210	1200	1160	6360	7360	7670	5900	5640	3610	2230	1810	
2	1010	1200	1210	1160	6820	11600	7290	5610	5250	3490	2310	1780	
3	970	1280	1210	1150	7750	15500	7300	5440	5000	3390	2340	1760	
4	945	1290	1190	1160	7950	12400	6740	5510	4980	3290	2290	1770	
5	945	1280	1180	1170	7220	11200	6260	5410	5390	3140	2220	1630	
6	945	1280	1190	1230	6380	12100	6010	5110	6240	3060	2160	1620	
7	950	1290	1220	1320	6570	18400	5810	4960	6020	3010	2140	1510	
8	955	1300	1290	1460	5540	27700	5460	4900	5470	2940	2120	1330	
9	970	1280	1300	1760	6540	30000	5300	4750	5180	2940	1930	1320	
10	1000	1290	1290	2120	8600	24300	5550	4680	4860	2870	1860	1280	
11	1060	1310	1240	2120	11300	19000	5970	4590	4510	2780	1980	1280	
12	1200	1330	1210	1940	13400	16700	6070	4430	4270	2690	2050	1440	
13	1280	1360	1210	1810	11700	15700	6590	4470	4100	2630	2040	1680	
14	1320	1350	1210	1830	9740	15500	6930	5340	3930	2620	2030	1860	
15	1380	1310	1190	1800	8570	15100	6810	5920	3980	2580	2020	1920	
16	1420	1290	1190	1750	8000	14700	6580	5510	4260	2530	1970	1950	
17	1450	1280	1180	1730	7550	14400	6470	5000	4260	2480	1910	1850	
18	1540	1280	1160	1690	7260	14000	7080	4660	4300	2430	1850	1760	
19	1620	1270	1150	1630	6930	14000	7500	4480	4280	2400	1690	1650	
20	1660	1250	1150	1570	6540	14500	6800	4490	4280	2360	1280	1510	
21	1640	1250	1140	1510	6480	14900	6080	4440	4700	2310	1010	1440	
22	1570	1250	1150	1490	6850	14000	5730	4410	4720	2270	981	1470	
23	1490	1270	1180	1500	7520	13700	5840	4810	4520	2240	985	1400	
24	1430	1280	1200	1670	8940	12600	5940	5100	4330	2270	1010	1250	
25	1400	1240	1200	2360	10200	11500	5970	7200	4210	2290	1160	1190	
26	1370	1230	1180	4160	9750	11800	5990	8880	4100	2420	1320	1160	
27	1350	1230	1210	6080	9400	11300	6160	7660	3970	2430	1540	1200	
28	1340	1210	1200	6150	8830	10200	6190	6670	3850	2330	1760	1260	
29	1340	---	1160	5920	8120	9100	6050	6320	3800	2250	1970	1550	
30	1300	---	1150	6130	7560	8360	6630	6790	3720	2250	1900	1390	
31	1220	---	1150	---	7080	---	6520	6250	---	2250	---	1240	(YEAR)
TOTAL	39230	35690	37090	68530	250550	441620	197290	169690	138120	82550	54056	47260	1561676.
MEAN	1265	1275	1196	2284	8082	14721	6364	5474	4604	2663	1802	1525	4279
MAX	1660	1360	1300	6150	13400	30000	7670	8880	6240	3610	2340	1950	30000
MIN	945	1200	1140	1150	5540	7360	5300	4410	3720	2240	981	1160	945

LAT. 49 36 50; LONG. 115 38 05  
BRITISH COLUMBIA AT NO. 95 AND NO. 93 HIGHWAY CROSSING (CORRECTED), 0.2 MILES BELOW MOUTH OF ST. MARY RIVER.

TABLE 101. \*\*\*\* WATER SUPPLY OF CANADA \*\*\*\*  
KOOTENAY RIVER AT FORT STEELE, STATION NO. 08NG065

DAILY DISCHARGE, IN CUBIC FEET PER SECOND FOR THE YEAR 1978

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(YEAR)
1	1280	1060	1070	2590	8290	9300	27300	7790	4340	5340	2540	2080	
2	1280	1040	1030	2490	8650	9620	20800	7460	5480	5220	2510	2060	
3	1270	1120	998	2370	9320	12900	23100	7040	5800	4930	2540	2020	
4	1290	1190	993	2270	9070	21300	21600	6670	5510	4660	2740	1990	
5	1430	1220	1020	2160	8030	29900	20900	6480	5280	4450	2900	1910	
6	1470	1280	1080	2140	7120	35000	20700	6500	5270	4220	2700	1790	
7	1560	1290	1110	2070	6440	35600	21700	6360	5310	4080	2620	1540	
8	1590	1290	1140	2050	6120	33900	22400	6070	5230	3920	2750	1380	
9	1610	1300	1170	2050	6200	34000	22700	6010	5650	3780	3100	1490	
10	1620	1270	1180	2070	7130	33300	22300	5930	6080	3670	2950	1570	
11	1620	1250	1170	2130	7860	27300	20800	5850	6220	3770	2210	1760	
12	1580	1210	1180	2210	7940	22300	18300	5640	6260	3980	1790	1860	
13	1510	1140	1180	2270	7620	20000	15600	5500	5850	3830	1710	1850	
14	1470	1110	1160	2230	7510	20600	14900	5700	5400	3640	1680	1700	
15	1450	1100	1110	2180	8320	20500	15000	5480	5160	3540	1710	1790	
16	1450	1120	1110	2120	9110	18500	15100	5300	5220	3460	1820	1700	
17	1440	1160	1110	2120	9540	16500	15600	5980	5200	3370	2140	1780	
18	1420	1190	1140	2130	9920	16100	14800	6030	4860	3290	2430	1790	
19	1410	1180	1180	2100	10800	20700	13300	5610	4520	3200	1930	1710	
20	1410	1190	1210	2150	13100	21400	11600	5910	4260	3140	1560	1670	
21	1380	1180	1250	2370	17400	20900	10700	5810	4090	3090	1480	1660	
22	1340	1180	1330	2540	22000	23400	10100	5580	4020	3080	1570	1730	
23	1340	1180	1370	2580	22600	26900	9930	5250	4300	3000	1610	1770	
24	1290	1190	1530	2530	19800	25900	10300	5220	4890	2980	1810	1760	
25	1280	1190	1690	2520	16500	24900	10400	5380	4880	2960	2120	1610	
26	1320	1160	1780	2610	13900	24600	10000	5340	5190	2930	2240	1500	
27	1300	1120	1860	3120	11800	23200	9750	5200	5370	2860	2210	1540	
28	1300	1110	1930	4700	10700	23100	9700	4880	5600	2780	2170	1420	
29	1290	1110	2020	7390	10600	25600	9230	4580	6070	2730	2130	1250	
30	1200	---	2140	8170	10300	28500	8550	4380	5690	2690	2130	1140	
31	1140	---	2430	---	9670	---	8100	4290	---	2600	---	1040	
TOTAL	43340	34130	41671	82430	333360	705720	489260	179220	157000	111190	65800	51860	2294981.
MEAN	1398	1177	1344	2748	10754	23524	15783	5781	5233	3587	2193	1673	6270
MAX	1620	1300	2430	8170	22600	35600	27300	7790	6260	5340	3100	2080	35600
MIN	1140	1040	993	2050	6120	9300	8100	4290	4020	2600	1480	1040	993

LAT. 49 36 50; LONG. 115 38 05  
BRITISH COLUMBIA AT NO. 95 AND NO. 93 HIGHWAY CROSSING (CORRECTED), 0.2 MILES BELOW MOUTH OF ST. MARY RIVER.



TABLE 102. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710618 - 781019  
 STATION NO. 0200038

DATE	TIME OF DAY	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00060 STREAM- FLOW CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CNDUCTVY AT 25C MICROMHO.	00300 DO MG/L	00301 DO SAT PERCENT	00025 BAR PRES MM OF HG	00400 PH -- UNITS
720106	1230	1.0	4	1290	2.0	--	392	9.2	--	--	7.7
720201	1215	0.0	-17	490	2.4	--	130	7.3	--	--	8.1
720313	--	4.5	5	1530	13	5	370	10.3	--	--	8.0
720412	1230	5.5	6	1950	10	5k	320	9.2	--	--	7.9
720509	0930	8.5	9	4860	8	10	240	9.8	--	--	8.2
720620	0925	9.5	16	28200	49	5	195	10.8	--	--	7.9
720712	0645	11.0	10	19200	13	5k	180	--	--	--	7.8
720824	1010	13.0	--	6850	12	5k	200	10.7	--	--	8.0
720925	0935	6.0	5	3800	5.4	5	300	11.0	--	--	7.9
721010	1000	7.0	-1	3420	12	10	270	10.1	--	--	8.0
721108	1055	4.0	--	2620	5.8	15	310	8.9	--	--	8.1
721204	1015	0.5	--	1050	6.3	5	330	13.4	--	--	7.1
730103	0950	0.0	--	1300	2.8	10	390	11.5	75	785	7.3
730131	1010	0.0	--	1360	2.1	20	390	12.2	82	771	7.5
730214	1140	0.0	-4	1130	3.7	15	415	11.5	78	771	7.2
730306	1000	0.5	-1	1350	8.3	15	400	11.0	75	771	7.9
730409	0930	5.0	7	1600	6.5	15	390	10.9	91	695	7.6
730503	0905	7.0	6	2590	4.8	5	330	9.0	80	692	7.9
730704	1130	11.0	24	13400	24	5	215	9.2	90	690	7.8
730731	1220	14.5	27	7000	5.0	5	260	8.9	97	695	8.2
730919	1200	9.0	11	2770	2.5	5	330	10.8	101	703	8.3
731029	1000	5.0	4	2930	3.8	10	320	9.7	81	713	8.2
731114	0940	1.0	4	2850	9.5	5	300	13.2	102	697	7.9
731213	0940	0.3	2	1950	4.5	10	375	11.5	88	692	8.0
740130	0945	1.0	-4	1790	4.1	10	362	11.5	84	697	8.0
740221	0930	0.0	-7	1450	6.4	10	435	11.4	88	706	7.8
740314	0945	2.5	4	1540	10	15	420	10.8	84	706	8.0
740403	0930	4.5	8	1630	6.5	5	410	10.8	90	703	7.7
740514	1015	6.2	9	8730	7.8	5	250	10.7	93	711	8.0
740703	0920	9.0	15	26300	72	10	187	9.6	86	718	8.2
740918	1045	10.5	13	3720	2.2	5k	283	9.3	90	700	8.7
741024	0920	5.0	-2	2090	2.8	5	330	9.6	81	695	8.3
741119	1020	1.5	5	1700	2.1	5	380	12.2	95	695	8.4
741216	1040	2.0	2	1470	7.6	10	375	--	--	699	8.3
750116	0940	0.0	--	1170	2.8	10	425	11.2	82	706	8.0
750303	1030	2.0	9	1450	4.6	40	405	11.5	90	697	8.3
750326	1010	2.0	-6	1260	5.0	20	415	12.5	97	699	8.4
750424	1240	8.0	14	1840	8.0	5	375	10.8	101	688	8.1
750505	1350	8.0	10	2940	9.7	10	315	10.0	94	689	8.0
750520	1015	6.0	14	10300	15	10	197	11.0	96	696	7.7
750605	1030	8.0	18	23600	60	10	154	11.2	106	679	8.1
750623	1400	10.0	15	21900	--	10	150	9.1	101	694	7.8
750703	0940	12.0	21	16500	17	5	183	9.3	--	--	8.2
750717	1100	13.0	--	15100	--	--	175	--	--	--	7.9
750731	1130	12.5	16	9920	12	5	210	9.0	91	698	8.0
750917	1000	11.8	--	4820	--	--	257	--	--	--	8.2
751009	0950	7.0	1	3610	3.8	5k	258	9.0	80	697	7.8
751029	1130	4.0	--	2810	--	--	287	--	--	--	8.0
751117	1540	2.8	--	3110	--	--	269	--	--	--	8.3
751216	0950	0.0	--	2260	--	--	309	--	--	--	8.0
751217	0930	0.0	--	2210	5.5	15	321	11.6	85	708	8.0
760106	0940	1.0	-8	1980	--	10	331	12.4	97	685	7.4
760126	1000	0.0	--	1650	--	--	361	--	--	--	8.3
760303	1200	0.5	-9	1210	6.6	20	380	10.1	85	693	8.2
760315	1500	2.5	--	1400	--	--	370	--	--	--	8.3
760429	1010	7.0	6	3070	7.8	5	266	9.0	80	703	7.8
760505	1200	9.0	19	10600	46	15	198	9.1	114	680	7.8
760525	1505	9.0	15	22000	--	5	160	10.6	100	692	8.1
760603	1115	7.5	13	13200	12	5	215	10.0	90	694	8.0
760622	1225	9.0	18	23200	42	5k	188	10.2	96	692	8.2
760720	0930	12.3	20	19000	36	5	180	9.3	94	696	7.9
760824	1630	--	--	9220	--	5	210	--	--	--	8.2
761027	0915	6.0	1	2670	3.4	10	330	10.5	91	701	8.0
761129	1115	2.0	-2	1440	--	5	345	11.8	89	708	8.3
761209	0915	1.0	3	1820	--	10	360	12.1	93	691	8.3
770329	0950	--	--	1160	5.1	20	396	--	--	--	8.0
770426	0930	12.0	13	4160	18	10	275	--	--	--	7.8
770512	1200	7.0	7	13400	66	5	195	9.8	88	694	8.2
770526	0855	8.0	6	9750	11	5	203	9.6	90	689	8.1
770607	0930	13.5	18	18400	28	5	182	9.5	99	696	8.0

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 102. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710618 - 781019  
 STATION NO. 0200038

DATE	TIME OF DAY	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00060 STREAM-FLOW CFS	00070 TURB JTKN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTIVITY AT 25C MICROMHO	00300 DO MG/L	00301 DO SAT PERCENT	00025 BAR PRES MM OF HG	00400 PH UNITS
770622	0940	14.0	22	14000	27	5k	170	8.3	88	694	7.8
770725	0930	17.0	18	5970	5.5	5k	224	8.0	91	688	7.3
770818	0910	15.0	14	4660	12	5	238	8.5	91	700	7.9
770907	0900	11.5	8	6020	14	5k	224	8.7	86	700	8.1
771012	1310	6.0	14	2690	5.0	10	290	--	--	630	8.2
771212	1500	0.0	--	1440	5.2	--	341	11.4	86	690	8.0
780228	1040	1.0	--	1420	3.8	--	350	11.4	87	699	8.0
780301	0940	0.0	--	1070	6.5	--	384	3.4	25	693	8.1
780412	0900	7.0	--	2210	14	--	300	9.9	88	699	7.9
780503	0910	8.0	--	9320	25	--	202	9.7	80	695	8.0
780515	0925	8.0	--	8320	11	--	206	11.4	107	689	7.8
780608	0920	8.0	--	33900	140	--	155	10.6	97	699	8.2
780619	0930	9.0	--	20700	36	--	180	10.0	92	702	8.2
780718	0945	13.0	--	14800	22	--	174	7.9	90	698	8.2
780817	1030	12.0	--	5980	5.2	--	232	8.9	88	697	8.2
780919	0900	7.0	--	4520	2.6	--	248	10.4	92	703	8.2
781019	0920	6.0	--	3200	2.6	--	271	11.4	100	693	8.2

TABLE 103. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710608 - 781019  
 STATION NO. 0200038

DATE	00915 CALCIUM CA MG/L	00925 MGNESIUM MG/L	00930 SODIUM NA MG/L	00935 PTSSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO <sub>4</sub> MG/L	00950 FLUORIDE F MG/L	00955 SILICA SIO <sub>2</sub> MG/L	00410 T ALK CACO <sub>3</sub> MG/L	00900 T HARD CACO <sub>3</sub> MG/L	00680 CARBON ORG-C MG/L
720106	44	14	7.8	1.1	8.5	55	1.68	7.2	112	167	6
720201	47	16	9.1	1.3	11	60	2.25	8.8	127	183	5
720313	45	15	9.7	1.3	11	65	2.58	7.6	101	172	1k
720412	39	14	6.7	1.1	6.0	55	1.50	6.9	90	154	6
720509	30	9.0	4.3	0.8	4.0	32	1.00	6.9	92	112	2
720620	24	7.1	2.6	0.3	1.4	14	0.62	4.9	80	89	2
720717	23	6.0	1.9	0.2	1.7	14	0.12	4.2	67	82	4
720824	30	8.8	1.2	0.1	0.6	24	0.48	4.9	84	111	6
720925	34	9.8	4.3	0.6	5.3	37	1.22	6.2	87	127	5
721010	33	9.0	4.7	0.7	6.5	36	1.10	6.1	96	120	13
721108	37	14	6.3	0.6	8.1	45	1.11	7.0	100	149	6
721204	44	14	6.9	0.9	8.2	54	2.60	8.2	109	170	4
730103	44	14	8.2	1.1	8.1	56	2.70	8.4	111	168	4
730131	46	16	8.7	1.0	12	57	2.85	8.1	109	181	4
730214	50	15	8.6	1.1	10	59	2.80	9.0	117	185	3
730306	41	14	8.7	1.1	11	60	3.45	7.9	99	161	6
730409	43	14	8.7	1.0	10	61	3.50	7.8	105	164	6
730503	35	12	5.9	1.0	6.1	46	1.78	7.1	85	137	7
730704	27	8.0	2.1	0.4	1.9	21	0.45	4.5	91	100	3
730731	30	8.8	3.1	0.5	3.9	26	0.23	4.0	92	111	1
730919	38	12	5.2	0.7	5.3	43	1.04	5.1	109	146	9
731029	35	10	6.1	0.8	6.9	38	1.42	6.0	91	131	7
731114	32	10	5.5	0.8	6.5	43	1.48	5.8	86	124	4
731213	42	15	6.7	1.0	6.9	55	2.40	6.7	111	167	1
740130	40	13	7.5	0.9	9.4	49	1.70	7.2	105	155	2
740221	44	14	9.4	1.3	12	60	4.80	9.8	103	168	4
740314	48	14	10	1.3	13	63	3.70	8.9	113	178	6
740403	45	14	8.6	1.1	10	73	3.45	9.0	93	170	2
740514	29	9.9	3.4	0.6	3.2	25	0.94	7.6	90	114	17
740703	24	6.4	1.6	0.5	1.6	15	0.10k	4.1	87	86	2
740918	35	11	4.2	0.6	4.0	31	0.19	4.8	108	130	2
741024	41	13	6.8	0.7	7.7	42	0.25	5.4	119	156	2
741119	43	14	6.1	0.7	6.5	47	0.74	6.1	118	163	1k
741216	44	14	7.7	0.9	8.9	51	3.40	8.1	113	168	4
750116	52	16	9.3	1.0	10	68	3.62	8.7	122	194	5
750303	48	15	12	1.1	15	65	4.43	9.1	115	182	1k
750326	49	15	11	1.1	14	68	4.00	8.7	117	183	6
750424	43	14	8.5	1.1	8.7	64	3.68	8.5	100	163	1k
750505	36	12	6.6	0.9	7.8	47	2.45	7.9	90	138	1k
750520	26	6.9	3.1	0.5	3.2	23	0.67	6.1	72	92	2
750605	21	5.5	2.1	0.4	1.7	15	0.30	4.7	71	75	3
750623	20	5.4	1.7	0.4	1.7	14	0.34	4.2	61	73	2
750703	24	6.6	2.2	0.4	2.5	18	0.40	4.5	76	86	2
750717	--	--	--	--	--	--	0.36	--	--	--	--
750731	26	7.2	2.2	0.5	2.0	22	0.62	4.4	74	94	1k
750917	34	10	--	--	--	--	0.35	--	--	128	--

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 103. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710608 - 781019  
 STATION NO. 0200038

DATE	00915 CALCIUM CA MG/L	00925 MAGNESIUM MG MG/L	00930 SODIUM NA MG/L	00935 POTASSIUM K MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO <sub>4</sub> MG/L	00950 FLUORIDE F MG/L	00955 SILICA SiO <sub>2</sub> MG/L	00410 T ALK CaCO <sub>3</sub> MG/L	00900 T HARD CaCO <sub>3</sub> MG/L	00680 CARBON ORG-C MG/L
751009	34	10	3.2	0.6	3.2	35	1.03	5.6	93	126	3
751029	36	11	--	--	--	--	0.31	--	--	136	--
751117	34	10	--	--	--	--	0.24	--	--	126	--
751216	37	12	--	--	--	--	0.38	--	--	140	--
751217	39	12	7.3	0.8	9.1	44	0.37	6.7	100	147	--
760106	39	12	6.6	0.8	6.7	46	0.50	6.3	104	150	3
760126	43	14	--	--	--	--	0.39	--	--	162	--
760303	45	15	9.8	0.9	12	54	0.39	6.5	121	172	4
760315	42	14	--	--	--	--	0.43	--	--	160	--
760429	33	11	3.9	0.7	3.8	40	0.19	6.0	93	128	2
760505	26	7.5	3.0	0.6	2.9	21	0.14	5.9	82	96	1
760525	23	6.2	2.0	0.4	2.0	14	0.12	5.0	92	86	1
760603	27	7.3	2.7	0.5	3.1	18	0.12	5.1	116	97	1
760622	22	5.7	1.7	0.4	1.5	12	0.10k	4.1	75	78	2
760720	21	5.6	1.8	0.4	1.7	13	0.10	3.5	68	76	2
760824	27	7.6	2.9	0.4	3.4	20	0.17	4.5	86	98	3
761027	38	12	6.2	0.6	7.9	40	0.20	5.2	107	146	2
761129	41	13	6.9	0.7	8.3	48	0.32	6.0	97	157	1k
761209	43	13	7.4	0.8	9.3	48	0.29	5.8	115	164	3
770329	45	15	11	0.9	15	59	0.39	5.8	119	174	4
770426	32	10	7.0	0.7	9.2	38	0.21	5.6	84	123	4
770512	25	7.1	2.7	0.4	3.4	17	0.10	4.3	81	91	4
770526	26	7.6	2.1	0.4	2.4	19	0.11	4.5	78	96	1k
770607	25	6.5	2.4	0.4	2.4	16	0.10k	4.3	78	89	2
770622	24	6.3	2.3	0.3	2.1	14	0.10	3.3	77	85	5
770725	30	9.0	3.0	0.4	3.1	22	0.14	3.7	72	112	2
770818	30	9.5	4.0	0.5	3.6	24	0.16	3.8	95	115	4
770907	28	8.2	2.8	0.4	2.6	23	0.17	3.9	96	105	2
771012	36	11	5.8	0.6	5.9	36	0.21	4.6	107	135	3
771212	37	12	8.4	0.8	8.6	--	0.41	6.1	--	141	2
780118	42	13	11	0.7	11	--	0.34	5.9	--	159	3
780301	45	15	13	0.9	13	--	0.38	5.9	--	174	3
780412	37	12	8.1	0.7	8.2	--	0.33	5.8	--	140	2
780503	26	7.4	3.9	0.6	3.8	--	0.10	5.9	--	96	7
780515	26	7.6	3.9	0.5	3.8	--	0.11	5.7	--	97	2
780608	21	5.3	1.5	0.4	0.9	--	0.10k	4.1	--	75	3
780619	23	6.2	2.1	0.4	2.1	--	0.10k	4.6	--	82	1
780718	23	6.0	2.6	0.5	2.1	--	0.10k	3.8	--	82	1k
780817	30	9.1	4.8	0.5	4.6	--	0.14	4.3	--	111	2
780919	33	9.8	4.7	0.4	4.5	--	0.14	4.5	--	123	1
781019	36	11	4.7	0.6	5.0	--	0.16	4.7	--	137	1k

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 104. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514.  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710608 - 781019  
 STATION NO. 0200038

	00600 TOTAL-N	00625 KJEL-N	00605 ORG-N	00610 NH <sub>3</sub> -N	00613 NO <sub>2</sub> -N	00618 NO <sub>3</sub> -N	00631 NO <sub>2</sub> + NO <sub>3</sub> -N	00665 PHOS-TOT	00671 PHOS-DIS ORTHO	00500 RES-TOT 105C	00515 RES-FILT 105C
DATE	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L-P	MG/L-P	MG/L	MG/L
720106	0.48	0.24	0.11	0.13	0.005	0.24	0.24	0.362	0.337	196	106
720201	0.53	0.30	0.16	0.14	0.006	0.22	0.23	0.258	0.228	280	258
720313	0.57	0.35	0.16	0.19	0.010	0.21	0.22	0.464	0.051	254	242
720412	0.43	0.27	0.19	0.08	0.005	0.16	0.16	0.273	0.037	228	214
720509	0.36	0.18	0.12	0.06	0.005k	0.18	0.18	0.256	0.066	172	164
720620	0.16	0.08	0.07	0.01	0.005k	0.08	0.08	0.086	0.033	240	98
720717	0.15	0.06	0.04	0.02	0.005k	0.09	0.09	0.028	0.012	146	92
720824	0.16	0.06	0.05	0.01	0.007	0.09	0.10	0.062	0.035	146	130
720925	4.77	0.07	0.06	0.10	0.008	4.70	4.71	0.294	0.153	174	158
721010	1.86	0.15	0.09	0.06	0.008	1.70	1.71	0.246	0.071	230	168
721108	0.28	0.15	0.11	0.04	0.005k	0.13	0.13	0.147	0.058	204	200
721204	0.53	0.33	0.10	0.23	0.005k	0.20	0.20	0.430	0.329	228	214
730103	0.49	0.30	0.05	0.25	0.005k	0.19	0.19	0.396	0.337	232	228
730131	1.01	0.76	0.16	0.60	0.005k	0.25	0.25	0.830	0.685	246	230
730214	0.69	0.45	0.05	0.40	--	--	0.24	1.00	0.775	242	238
730306	0.60	0.42	0.12	0.30	0.005	0.17	0.18	0.809	0.275	248	238
730409	0.23	0.10	0.08	0.02	0.005k	0.13	0.13	0.410	0.072	248	242
730503	0.25	0.16	0.16	0.01k	0.005k	0.09	0.09	0.640	0.355	188	182
730704	--	--	--	0.02	0.005k	0.09	0.09	0.098	0.055	162	134
730731	--	--	--	0.06	0.005k	0.09	0.09	0.044	0.021	166	164
730919	0.32	0.19	0.08	0.11	0.011	0.12	0.13	0.169	0.100	208	192
731029	--	--	--	0.05	0.005k	0.11	0.11	0.448	0.340	188	172
731114	0.45	0.32	0.22	0.10	0.005k	0.13	0.13	0.985	0.395	188	168
731213	1.01	0.84	0.22	0.62	0.005k	0.17	0.17	0.291	0.118	226	214
740130	0.28	0.10	0.05	0.05	0.005k	0.18	0.18	0.196	0.042	214	208
740221	0.33	0.17	0.13	0.04	0.005k	0.16	0.16	1.66	1.06	246	236
740314	0.70	0.51	0.15	0.36	0.005k	0.19	0.19	1.29	0.514	262	244
740403	0.60	0.41	0.09	0.32	0.006	0.18	0.19	0.212	0.010	240	234
740514	0.29	0.13	0.10	0.03	0.005k	0.16	0.16	0.336	0.208	188	146
740703	0.25	0.18	0.17	0.008	0.005k	0.07	0.07	0.108	0.010	--	98
740918	0.19	0.13	0.13	0.005k	0.005k	0.06	0.06	0.013	0.004	202	164
741024	0.18	0.10	0.09	0.005	0.005k	0.08	0.08	0.018	0.004	211	206
741119	0.15	0.03	0.01k	0.026	0.005k	0.12	0.12	0.052	0.021	210	206
741216	0.30	0.16	0.10	0.058	0.005k	0.14	0.14	0.506	0.227	234	226
750116	0.31	0.16	0.06	0.099	0.005k	0.15	0.15	0.522	0.295	264	262
750303	0.33	0.18	0.08	0.104	0.005k	0.15	0.15	0.767	0.486	262	258
750326	0.39	0.25	0.18	0.070	0.005k	0.14	0.14	0.600	0.259	256	254
750424	0.27	0.13	0.10	0.034	0.005k	0.14	0.14	0.510	0.127	232	224
750505	0.27	0.14	0.07	0.071	0.005k	0.13	0.13	0.398	0.083	206	194
750520	0.31	0.11	0.09	0.020	0.005k	0.20	0.20	0.210	0.136	172	126
750605	0.17	0.02	0.01	0.015	0.005k	0.15	0.15	0.262	0.045	362	90
750623	0.23	0.16	0.15	0.006	0.005k	0.07	0.07	0.144	0.075	156	96
750703	0.15	0.08	0.07	0.009	0.005k	0.07	0.07	0.132	0.074	170	110
750717	--	--	--	--	--	--	--	0.173	--	160	111
750731	0.27	0.21	0.19	0.016	0.005k	0.06	0.06	0.109	0.029	130	128
750917	--	--	--	--	--	--	--	0.129	--	164	--
751009	0.11	0.02	0.01k	0.020	0.005k	0.09	0.09	0.578	0.463	160	156
751029	--	--	--	--	--	--	--	0.217	--	182	--
751117	--	--	--	--	--	--	--	0.075	--	170	--
751216	--	--	--	--	--	--	--	0.111	--	210	--
751217	0.31	0.20	0.15	0.051	0.005k	0.16	0.16	0.106	0.055	198	194
760106	--	--	--	0.054	0.005k	0.16	0.16	0.055	0.019	202	194
760126	--	--	--	--	--	--	--	0.039	--	236	--
760303	0.39	0.21	0.15	0.057	0.005k	0.18	0.18	0.066	0.013	246	240
760315	--	--	--	--	--	--	--	0.075	--	244	--
760429	0.28	0.14	0.12	0.015	0.005k	0.14	0.14	0.039	0.009	176	166
760505	0.39	0.19	0.17	0.021	0.005k	0.20	0.20	0.132	0.009	248	122
760525	0.27	0.12	0.11	0.012	0.005k	0.15	0.15	0.076	0.012	214	100
760603	0.28	0.15	0.14	0.010	0.005k	0.13	0.13	0.030	0.005	164	128
760622	0.16	0.07	0.06	0.013	0.005k	0.09	0.09	0.053	0.003k	216	98
760720	0.11	0.05	0.04	0.013	0.005k	0.06	0.06	0.043	0.003	182	98
760824	0.15	0.07	0.06	0.009	0.005k	0.08	0.08	0.020	0.008	140	128
761027	0.20	0.08	0.06	0.016	0.005k	0.12	0.12	0.020	0.004	202	198

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 104. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710608 - 781019  
 STATION NO. 0200038

DATE	00600	00625	00605	00610	00613	00618	00631	00665	00671	00500	00515
	TOTAL-N MG/L	KJEL-N MG/L	ORG-N MG/L	NH <sub>3</sub> -N MG/L	NO <sub>2</sub> -N MG/L	NO <sub>3</sub> -N MG/L	NO <sub>2</sub> + NO <sub>3</sub> -N MG/L	PHOS-TOT MG/L-P	PHOS-DIS ORTHO MG/L-P	RES-TOT 105C MG/L	RES-FILT 105C MG/L
761129	0.26	0.09	0.03	0.057	0.005k	0.17	0.17	0.028	0.009	216	210
761209	0.27	0.11	0.05	0.059	0.005k	0.16	0.16	0.069	0.010	230	222
770329	0.35	0.18	0.14	0.042	0.005	0.16	0.17	0.035	0.008	260	246
770426	0.37	0.21	0.18	0.029	0.005k	0.16	0.16	0.145	0.030	192	164
770512	0.50	0.28	0.27	0.012	0.005k	0.22	0.22	0.102	0.006	276	112
770526	0.24	0.07	0.06	0.007	0.005k	0.17	0.17	0.015	0.004	158	118
770607	0.23	0.10	0.09	0.007	0.005k	0.13	0.13	0.071	0.008	160	120
770622	0.15	0.06	0.06	0.005	0.005k	0.09	0.09	0.036	0.005	164	106
770725	0.08	0.01k	0.01k	0.005	0.005k	0.08	0.08	0.012	0.003k	148	142
770818	0.13	0.05	0.05	0.005k	0.005k	0.08	0.08	0.019	0.003k	166	150
770907	0.16	0.07	0.06	0.006	0.005k	0.09	0.09	0.089	0.061	158	138
771012	0.15	0.08	0.08	0.005	0.005k	0.07	0.07	0.027	0.007	190	174
771212	0.26	0.09	0.06	0.029	--	--	0.17	0.027	0.008	226	215
780118	0.22	0.05	0.04	0.006	--	--	0.17	0.026	0.008	222	216
780301	0.24	0.08	0.07	0.011	--	--	0.16	0.049	0.007	242	234
780412	0.33	0.19	0.19	0.005k	--	--	0.14	0.053	0.007	208	190
780503	0.50	0.27	0.27	0.005k	--	--	0.23	0.060	0.004	176	130
780515	0.35	0.17	0.17	0.005k	--	--	0.18	0.029	0.005	152	134
780608	0.38	0.27	0.26	0.012	--	--	0.11	0.150	0.012	468	98
780619	0.14	0.05	0.05	0.005k	--	--	0.09	0.067	0.003	210	118
780718	0.12	0.06	0.06	0.005	--	--	0.06	0.024	0.003k	152	108
780817	0.20	0.13	0.13	0.005k	--	--	0.07	0.014	0.003k	160	136
780919	0.14	0.07	0.07	0.005k	--	--	0.07	0.011	0.004	162	156
781019	--	0.01k	0.01k	0.005k	--	--	--	0.011	0.005	172	168

TABLE 105. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710618 - 781019  
 STATION NO. 0200038

DATE	32730	01000	01042	01040	01045	01046	01051	01049	01055	01056	01090
	PHENOL MG/L	ARSENIC AS, DISS MG/L	COPPER CU, TOT MG/L	COPPER CU, DISS MG/L	IRON FE, TOT MG/L	IRON FE, DISS MG/L	LEAD PB, TOT MG/L	LEAD PB, DISS MG/L	MANGNESE MN, TOT MG/L	MANGNESE MN, DISS MG/L	ZINC ZN, DISS MG/L
720106	1k	5k	--	4	--	20	--	4	--	40	60
720201	8	7	--	7	--	100	--	3	--	60	100
720313	4	5	--	4	--	560	--	5	--	100	150
720412	2k	5k	--	30	--	40	--	3k	--	90	100
720509	2k	5	--	5	--	280	--	3k	--	60	110
720620	2k	5k	--	3	--	60	--	4	--	10	5k
720717	2k	5k	--	4	--	50	--	3k	--	20	10
720824	2k	5k	--	1	--	40	--	3k	--	20	30
720925	2k	9	--	1	--	50	--	3k	--	40	50
721010	3	5k	--	1	--	40	--	3k	--	30	60
721108	2k	5k	--	1k	--	40	--	3k	--	40	30
721204	2k	5k	--	1k	--	110	--	3k	--	60	40
730103	5	5k	4	4	200	90	5	3k	60	60	50
730131	2k	5k	2	1k	380	120	2	1k	70	50	60
730214	2k	5k	6	3	350	90	4	1k	70	70	50
730306	3	5k	3	2	1310	350	12	1	80	80	50
730409	2k	5k	3	3	1130	210	15	1k	100	90	90
730503	2	5k	9	9	660	40k	11	2	60	60	80
730704	3	5k	6	1k	1120	50	3	2	30	10	10
730731	2k	5k	1k	1k	320	40k	1k	1k	20	10	20
730919	2k	5k	1	1k	260	40k	7	1	30	30	30
731029	33	5k	1	1	390	60	5	1k	30	30	30
731114	5	5k	2	1	1450	100k	3	1k	70	60	50
731213	2	5k	2	2	600	100k	5	1k	60	50	50
740130	2k	5k	1	1	500	100k	3	1k	60	60	30
740221	11	5k	5	1	1200	100k	10	1k	80	70	50
740314	2	5k	6	1k	1600	200	8	1k	90	80	50
740403	8	5k	3	1k	1500	100k	3	1k	150	150	100
740514	12	5k	1	1k	1000	100	15	2	30	30	60
740703	2k	5k	1k	1k	2800	100k	--	1k	70	20k	5k
740918	3	5k	1k	1k	200	100k	1k	1k	20	20	12
741024	4	5k	1k	1k	200	100	1k	1k	40	30	14
741119	3	5k	1k	1k	200	100k	1k	1k	30	20	20
741216	2k	7	4	1	1100	10	10	1k	60	40	100
750116	7	13	1	1	500	100k	1	1	70	70	90
750303	14	6	3	--	900	400	10	1k	60	60	70
750326	6	5k	1	1	800	200	6	1k	80	70	--
750424	3	5k	2	1k	1200	100k	13	1k	90	90	90
750505	4	5k	3	2	1300	100k	5	1k	100	100	100
750520	3	5k	4	2	1600	100k	10	1k	40	20k	40
750605	4	5k	2	1k	5200	100k	12	1k	100	20k	5k

k = less than indicated value.  
 1/Data provided by British Columbia Ministry of the Environment, Waste Management Branch.

TABLE 105. 1/CANADIAN WATER QUALITY DATA  
 KOOTENAY RIVER AT WARDNER 680814 - 710514  
 STATION NO. 0200017  
 KOOTENAY RIVER AT PICTURE VALLEY 710618 - 781019  
 STATION NO. 0200038

DATE	32730 PHENOL MG/L	01000 ARSENIC AS, DISS MG/L	01042 COPPER CU, TOT MG/L	01040 COPPER CU, DISS MG/L	01045 IRON FE, TOT MG/L	01046 IRON FE, DISS MG/L	01051 LEAD PB, TOT MG/L	01049 LEAD PB, DISS MG/L	01055 MANGNESE MN, TOT MG/L	01056 MANGNESE MN, DISS MG/L	01090 ZINC ZN, DISS MG/L
750623	2	5k	1k	1k	1100	100	3	1k	30	20k	20
750703	2k	5k	1k	1k	1400	100k	2	1k	30	20k	30
750717	--	--	--	--	--	100k	--	1k	--	--	--
750731	2k	5k	1k	1k	700	100	6	1k	30	30	20
750917	--	--	--	--	--	100	--	3	--	30	--
751009	2k	5k	1	1k	600	100k	6	1k	30	30	26
751029	--	--	5	--	600	--	--	1k	--	30	--
751117	--	--	--	--	500	--	--	1k	--	40	--
751216	--	--	3	--	900	--	--	4	--	40	--
751217	2k	5k	3	1k	1100	100	6	1	40	30	60
760106	3	5k	1k	1k	500	100	1k	1k	50	50	70
760126	--	--	1k	1k	300	--	--	1k	--	70	--
760303	5	5k	1k	1k	500	100k	3	1k	50	50	--
760315	--	--	1	--	700	100	--	2	90	--	--
760429	2k	5k	1	1k	800	100k	6	1	60	60	80
760505	3	5k	6	1	3800	100k	13	6	80	20	19
760525	4	5k	1	1	2300	100k	1	1k	50	20	11
760603	3	5k	4	4	1000	100k	2	2	30	20	16
760622	2k	5k	3	3	1700	100k	4	1k	50	20k	6
760720	2k	5k	3	2	1600	100k	5	1	30	20k	7
760824	2	5k	3	1k	400	100k	4	1k	20	20k	10
761027	2k	5k	1k	1k	100	100k	1k	1k	40	30	40
761129	2	5k	1k	1k	400	100k	3	1k	70	60	26
761209	2k	5k	1k	1k	600	100k	5	--	50	50	70
770329	--	5k	1k	1k	400	100k	1k	1k	60	60	50
770426	2k	5k	2	2	2600	100	15	1	70	40	24
770512	2k	5k	4	1k	3100	100k	12	1k	80	20	5k
770526	2k	5k	1k	1k	700	100	2	1k	20	20k	10
770607	2k	5k	2	--	1700	100k	6	1k	40	20k	5k
770622	2k	5k	1	1k	1200	100k	5	1k	30	20	5
770725	3	5k	1	1	400	100	2	1k	20k	20k	7
770818	2k	5k	1k	1k	500	100k	1k	1k	20k	20k	5k
770907	2k	5k	2	--	600	100k	1	1	20	20k	22
771012	2k	5k	1k	1k	500	100k	6	1k	30	30	18
771212	--	--	1k	1k	400	--	1k	--	40	--	--
780118	9	--	3	--	200	--	1k	--	40	--	--
780301	--	--	1	--	600	--	3	--	80	--	--
780412	--	--	2	--	1400	--	17	--	80	--	--
780503	2	--	4	--	1900	--	12	--	60	--	--
780515	2k	--	3	--	900	--	5	--	50	--	--
780608	4	--	7	--	10000	--	8	--	160	--	--
780619	--	5k	10	7	2000	100	11	1	40	20k	50
780718	--	--	2	--	900	--	2	--	40	--	--
780817	4	--	1k	1k	500	--	1k	1k	20	--	--
780919	--	--	1k	1k	200	--	1k	1k	20k	20k	--
781019	--	--	1k	1k	300	--	2	--	40	--	--

k = less than indicated value.

1/Data provided by British Columbia Ministry of the Environment, Waste Mangement Branch.

TABLE 106. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAY RIVER AT FORT STEELE, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG065 - FORT STEELE, B.C.  
 2/WATER QUALITY - CANADIAN STATION NO. 0200038 - PICTURE VALLEY, B.C.

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N (KG/MONTH)	ORG N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHOP (KG/MONTH)
1972	JAN	42464	10708	11249	19665	450	27546	25294
	FEB	41640	12255	12031	16588	564	25152	12830
	MAR	67429	20809	20454	24916	1091	51633	6928
	APR	64210	25618	12398	25045	798	42108	6645
	MAY	337140	118687	50470	167866	5636	229612	62572
	JUN	558639	221170	55997	281473	14243	325311	108199
	JUL	223067	68200	25279	128563	7509	61286	26005
	AUG	173667	33967	10580	124252	4617	40161	21662
	SEP	954943	17390	20477	915996	2309	64175	33323
	OCT	450957	23700	15161	412096	1363	58098	19517
	NOV	68039	17686	15741	34611	831	38403	22514
	DEC	58933	8906	27496	22530	578	47664	38235
	TOTAL (KG/YEAR)		3041130	579096	277334	2173601	39990	1011149
N =		12	12	12	12	12	12	12
1973	JAN	71328	9988	40387	20953	477	58296	48589
	FEB	65861	8021	37531	18990	444	81533	57104
	MAR	52882	11538	23258	17308	547	74979	24257
	APR	36271	16006	3459	16766	721	73118	26418
	MAY	221357	123720	10664	74452	4134	399627	221698
	JUN	399781	192745	24540	128923	7162	363134	202081
	JUL	253638	103475	29898	79453	4358	70783	38553
	AUG	118577	39264	28487	38127	2561	29927	16262
	SEP	80826	22280	25215	29017	2089	41929	25606
	OCT	80820	31221	14698	23911	1463	76270	55468
	NOV	87901	35733	27565	22188	842	131597	58121
	DEC	119704	27526	69500	22678	678	47299	18609
	TOTAL (KG/YEAR)		1588945	621517	335292	491765	25878	1488493
N =		9	9	12	11	11	12	12

1/STREAM FLOW - CANADIAN STATION NO. 08NG065 - FORT STEELE, B.C.  
 2/WATER QUALITY - CANADIAN STATION NO. 0200038 - PICTURE VALLEY, B.C.

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N (KG/MONTH)	ORG N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHOP (KG/MONTH)
1974	JAN	58573	11746	24578	22249	627	27900	7895
	FEB	34782	10838	6120	17824	529	118779	71253
	MAR	70429	14875	34614	20680	593	119880	51654
	APR	110171	22056	46740	40109	1305	62311	21931
	MAY	250140	88767	37068	123234	4158	246200	140312
	JUN	723630	412858	40041	266832	13821	484328	188995
	JUL	373166	253517	11784	106378	7734	146350	14951
	AUG	131361	89586	3851	38999	3019	34216	3088
	SEP	57096	38472	1539	18224	1471	6078	1314
	OCT	32403	17553	999	13453	889	3134	800
	NOV	23113	4616	3139	14843	659	10530	4390
	DEC	30626	9099	6270	15072	546	47737	22085
	TOTAL (KG/YEAR)		1895488	973983	217147	697940	35350	1307443
N =		10	10	10	10	10	10	10
1975	JAN	29259	6148	8747	13667	459	49957	28163
	FEB	28941	6493	9042	13298	443	60268	37060
	MAR	36478	13409	8619	14641	506	68362	36594
	APR	36248	14216	5636	16717	601	62903	18951
	MAY	157417	40872	17203	99025	2817	148166	61571
	JUN	308697	123030	15897	163506	7602	298061	95618
	JUL	223307	131270	13243	76365	5752	169824	66392
	AUG	126307	81162	9029	35576	2678	61751	65241
	SEP	63014	28616	6880	29299	1858	63812	112040
	OCT	34562	7052	5748	23913	1229	102240	100799
	NOV	47832	16566	7191	25118	990	23024	49195
	DEC	64461	26289	9246	29096	938	17937	14701
	TOTAL (KG/YEAR)		1156522	495124	116501	540221	25874	1126306
N =		12	12	12	12	12	17	12

TABLE 106. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAY RIVER AT FORT STEELE, B.C.

1/STREAM FLOW - CANADIAN STATION NO. 08NG065 - FORT STEELE, B.C.  
 2/WATER QUALITY - CANADIAN STATION NO. 0200038 - PICTURE VALLEY, B.C.

YEAR	MONTH	00600 TOTAL N N (KG/MONTH)	00605 ORG N N (KG/MONTH)	00610 NH3-N TOTAL (KG/MONTH)	00618 NO3-N DISS (KG/MONTH)	00613 NO2-N DISS (KG/MONTH)	00665 PHOS-TOT (KG/MONTH)	00671 PHOS-DISS ORTHO (KG/MONTH)
1976	JAN	51517	20804	7550	22675	693	6825	2634
	FEB	43150	16884	6315	19587	563	6027	1666
	MAR	40441	15880	5227	18947	556	7642	1340
	APR	70636	29421	5586	34576	1161	11403	2289
	MAY	428429	182391	20814	227111	6763	127603	14083
	JUN	279980	123083	15913	143446	6726	60698	5633
	JUL	183161	67639	18751	100938	7292	65642	4636
	AUG	120527	46758	8813	64411	4307	22897	5617
	SEP	91583	29534	5559	45833	2461	9845	3293
	OCT	61555	15487	3855	29075	1295	5197	1257
	NOV	39080	6525	5823	22199	751	3688	1018
	DEC	34276	6737	7189	20134	624	7701	1216
	TOTAL (KG/YEAR)	1444336	561144	111396	748932	33193	335167	44682
	N =	11	11	12	12	12	14	12
1977	JAN	28651	7873	5083	15359	480	5463	892
	FEB	27864	9186	4242	13973	437	4205	766
	MAR	30898	11736	3994	14521	454	3582	755
	APR	62901	29713	5173	27600	838	19293	3829
	MAY	232699	107788	7230	117458	3065	44956	4859
	JUN	189770	68139	6099	111965	5403	45657	6027
	JUL	52157	11197	2414	39791	2414	8691	1682
	AUG	54807	19528	2179	34249	2076	14707	7223
	SEP	53748	21784	1936	28694	1690	24308	15622
	OCT	32675	15503	1451	13823	1010	6390	2247
	NOV	22597	9149	2382			3571	998
	DEC	19325	6676	2845			3105	921
	TOTAL (KG/YEAR)	808092	318270	45029			183929	45820
	N =	11	11	11	10	10	11	11

1/STREAM FLOW - CANADIAN STATION NO. 08NG065 - FORT STEELE, B.C.  
 2/WATER QUALITY - CANADIAN STATION NO. 0200038 - PICTURE VALLEY, B.C.

YEAR	MONTH	00600 TOTAL N N (KG/MONTH)	00605 ORG N N (KG/MONTH)	00610 NH3-N TOTAL (KG/MONTH)	00618 NO3-N DISS (KG/MONTH)	00613 NO2-N DISS (KG/MONTH)	00665 PHOS-TOT (KG/MONTH)	00671 PHOS-DISS ORTHO (KG/MONTH)
1978	JAN	12709	4730	1003			2927	842
	FEB	15471	4816	749			3315	594
	MAR	28211	12122	872			5163	714
	APR	78573	43289	1062			11182	1186
	MAY	315243	171731	5392			51424	5237
	JUN	425127	246276	13730			175250	11827
	JUL	163016	73147	5986			82747	3592
	AUG	80082	49380	2193			10567	1354
	SEP	56368	29320	1921			4433	1496
	OCT		5678	1360			2993	1317
	NOV							
	DEC							
	TOTAL (KG/YEAR)				0	0	11	11
	N =	10	11	11	0	0	11	11



TABLE 107. TURBIDITY DETERMINATIONS FOR THE KOOTENAI RIVER BELOW LIBBY DAM, 1978 JACKSON TURBIDITY UNITS

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						4	3	2	1	1	1	1
2						4	3	1	1	1	1	1
3					7	6	2	2	1	1	1	2
4					6	5	2	1	1	1	1	1
5					4	5	2	1	1	1	1	1
6					4	7	2	1	1	1	1	1
7					4	6	2	3	1	1	1	1
8					4	8	2	2	1	1	1	1
9					4	5	2	2	1	1	2	1
10					5	3	2	1	1	1	2	1
11					12	2	2	1	1	1	1	1
12					9	4	2	2	1	1	1	1
13					6	4	2	2	1	1	1	1
14					6	4	2	2	1	1	1	1
15					11	4	2	2	2	1	1	1
16					15	3	2	2	1	1	1	1
17					11	4	2	2	1	1	1	1
18					9	3	2	2	1	1	1	1
19					9	3	2	1	1	1	1	1
20					9	3	2	2	1	1	2	1
21					9	2	2	2	1	1	2	1
22					10	3	2	2	1	1	2	1
23					10	7	1	1	1	2	2	1
24					8	2	1	1	1	2	2	1
25					6	3	2	1	2	2	1	1
26					7	4	2	2	1	1	1	1
27					5	2	2	1	2	1	2	1
28					5	2	2	1	1	1	1	1
29					5	2	1	2	1	1	2	2
30					4	3	1	1	1	1	1	2
31					6		1	1		1		1

TABLE 107. TURBIDITY DETERMINATIONS FOR THE KOOTENAI RIVER BELOW LIBBY DAM, 1973 FORMAZIN TURBIDITY UNITS (00076)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5	9	2	2	4	6	9	4	4	2	2	3
2	5	7	2	2	3	8	8	6	3	2	3	3
3	6	6	2	3	2	8	8	4	1	3	3	2
4	6	6	3	2	2	8	8	4	4	4	2	2
5	6	4	2	4	2	9	12	5	3	5	3	2
6	6	5	2	3	2	9	8	5	2	3	2	3
7	7	5	2	3	2	8	9	4	2	3	2	1
8	7	6	3	2	5	16	8	5	2	3	2	1
9	7	6	4	3	2	13	2	4	2	2	3	2
10	7	6	2	2	2	8	8	4	2	6	2	2
11	6	6	3	2	2	7	9	5	2	2	2	2
12	8	4	2	2	2	7	8	5	3	2	2	3
13	8	5	2	2	2	7	7	7	2	1	2	2
14	6	5	2	2	2	7	8	6	3	2	2	1
15	6	4	2	2	3	6	7	5	3	2	2	2
16	6	4	2	2	22	5	6	8	2	2	2	2
17	13	4	2	4	17	7	6	6	2	2	3	2
18	10	4	2	5	2	7	6	7	2	2	4	2
19	11	4	2	2	2	8	6	5	6	1	3	1
20	8	4	3	2	2	8	5	4	4	2	3	1
21	8	2	2	2	2	6	6	4	2	3	3	2
22	6	3	2	3	2	7	5	4	3	3	3	1
23	7	3	3	2	2	9	5	4	3	3	3	2
24	8	4	3	2	3	7	5	5	3	3	3	2
25	8	3	3	3	4	8	5	3	3	3	3	2
26	8	2	3	2	3	7	5	3	2	8	3	2
27	8	2	4	2	4	7	5	4	2	3	3	1
28	7	4	4	2	4	8	5	4	2	2	2	2
29	6		4	3	5	7	5	4	2	4	3	1
30	7		4	3	8	7	5	5	3	3	2	1
31	8		4		6		5	4		3		1
Mean	7	5	3	2	4	8	7	5	3	3	3	2

TABLE 107. TURBIDITY DETERMINATIONS FOR THE KOOTENAI RIVER BELOW LIBBY DAM, 1972 FORMAZIN TURBIDITY UNITS (00076)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2	1	17	30	5	28	34	6	4	2	4	6
2	2	2	17	25	3	29	33	5	3	2	4	7
3		2	11	22	4	26	33	5	2	2	4	6
4		2	8	22	4	25	31	5	4	2	4	6
5		2	8	23	2	25	31	4	4	2	4	6
6		2	9	18	3	32	31	5	2	2	3	4
7		2	10	16	4	36	31	6	4	2	4	5
8	2	2	9	17	4	35	30	4	2	2	4	8
9	3	2	9	15	4	36	29	4	4	4	5	4
10		1	9	13	4	43	28	4	2	6	5	4
11		2	13	13	5	46	34	4	2	5	4	4
12		2	20	13	5	55	30	4	3	5	4	4
13		2	15	12	6	54	32	4	2	5	4	4
14		2	18	11	7	56	31	4	2	4	3	4
15	2	2	16	11	7	49	27	4	4	4	4	4
16	2	3	20	11	7	57	24	4	6	3	4	4
17	2	3	20	6	7	58	25	4	4	3	4	4
18	2	3	25	5	9	60	22	3	2	3	4	4
19	2	3	25	6	22	62	25	3	4	3	4	4
20	1	5	27	4	22	58	21	4	3	3	4	4
21	3	3	29	5	34	60	18	2	3	4	4	4
22	2	3	30	6	45	58	19	3	4	3	5	5
23	3	2	31	5	48	56	18	4	2	4	4	5
24	2	3	33	4	41	48	15	4	3	3	5	6
25	2	3	30	4	38	49	17	3	2	4	6	5
26	3	3	25	4	35	42	19	4	2	4	6	5
27	3	3	22	4	32	37	19	2	2	3	5	4
28	3	4	23	4	32	41	18	4	2	3	4	7
29	3	17	22	4	31	40	15	3	2	3	5	6
30	3		27	5	32	27	13	4	2	6	8	7
31	3		29		32		11	3		6		7
Mean		3	20	11	17	45	25	4	3	3	4	5

TABLE 107. TURBIDITY DETERMINATIONS FOR THE KOOTENAI RIVER BELOW LIBBY DAM, 1974 FORMAZIN TURBIDITY UNITS (00076)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1	2	2	2	2	8	11	17	1
2	1	2	2	2	2	8	14	10	2
3	1	2	2	2	3	7	10	8	2
4	1	2	2	2	3	7	11	9	4
5	1	2	2	2	2	6	20	13	4
6	1	2	2	2	2	6	12	10	6
7	1	2	2	2	3	6	12	15	6
8	2	2	2	2	2	5	9	9	4
9	1	2	2	2	4	5	11	9	6
10	1	2	2	2	5	5	12	13	2
11	2	2	2	2	5	5	15	5	6
12	1	2	2	2	6	5	16	6	2
13	2	2	2	3	5	6	21	3	1
14	2	2	2	2	6	8	21	3	1
15	1	2	2	2	7	7	19	5	1
16	6	1	2	2	6	6	21	3	1
17	3	2	2	2	6	6	18	5	2
18	5	1	2	2	5	6	18	5	2
19	1	2	2	2	5	7	19	6	1
20	4	2	2	2	5	7	16	7	2
21	2	2	2	2	5	5	19	5	1
22	5	2	3	2	5	6	19	5	1
23	2	2	3	2	5	6	21	4	2
24	2	2	2	2	5	6	22	5	2
25	2	2	2	2	5	6	19	4	3
26	3	2	2	2	5	8	22	5	5
27	2	2	2	2	7	7	18	4	6
28	2	2	2	2	9	6	19	3	5
29	3	2	2	2	9	7	24	3	8
30	2	2	3	7	13	22	22	3	4
31	2		2		7		18	2	
Mean	2	2	2	2	5	7	17	7	3

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	9.0	8.0	9.5	9.0
2							---	---	9.0	8.5	9.5	9.5
3							---	---	9.5	9.0	10.0	9.5
4							---	---	10.5	9.5	10.0	9.5
5							---	---	11.0	10.5	10.0	9.5
6							---	---	10.5	10.5	10.0	9.5
7							---	---	10.5	10.5	10.0	10.0
8							---	---	10.5	10.5	10.0	10.0
9							---	---	10.5	10.0	10.0	10.0
10							---	---	10.0	9.5	10.5	10.0
11							---	---	10.0	9.0	10.0	10.0
12							---	---	10.0	9.0	10.0	10.0
13							---	---	10.0	9.0	10.5	10.0
14							---	---	10.0	9.0	11.0	10.0
15							---	---	10.0	9.0	10.5	10.0
16							---	---	11.0	9.5	10.5	10.0
17							---	---	11.5	11.0	10.5	10.5
18							8.0	6.5	11.0	10.5	10.5	10.0
19							8.5	7.0	11.0	10.5	10.5	10.0
20							8.0	6.5	11.0	10.5	10.5	10.0
21							8.0	6.5	10.5	10.0	10.5	10.0
22							8.0	6.5	10.0	9.5	10.5	10.0
23							8.0	6.5	9.5	9.0	10.0	10.0
24							8.5	7.0	9.5	9.0	10.5	10.0
25							8.5	8.0	9.0	9.0	10.0	10.0
26							8.5	7.0	9.5	9.0	10.0	10.0
27							9.5	7.0	10.0	9.5	10.0	10.0
28							8.5	8.0	10.0	9.0	10.5	10.0
29							8.5	8.0	9.5	9.0	10.5	10.0
30							8.5	8.0	9.5	9.0	10.5	10.0
31							---	---	9.5	9.0	---	---
MONTH							9.5	6.5	11.5	8.0	11.0	9.0

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.5	10.0	11.5	11.0	12.0	11.5	14.4	13.9	11.1	10.6	4.4	4.4
2	10.5	10.0	11.5	11.0	12.0	12.0	14.4	14.4	10.6	10.6	4.4	3.3
3	10.5	10.0	11.5	11.0	12.0	11.5	14.4	14.4	10.6	10.6	3.3	2.8
4	10.5	10.0	11.5	11.0	13.0	12.0	14.4	14.4	10.6	10.6	2.8	2.2
5	10.5	10.0	11.5	11.0	12.0	12.0	14.4	14.4	10.6	10.0	2.2	1.1
6	10.5	10.5	11.5	11.5	12.0	12.0	14.4	14.4	10.0	10.0	1.1	.6
7	---	---	11.5	11.5	12.0	12.0	14.4	14.4	10.0	10.0	.6	.0
8	---	---	11.5	11.0	12.0	12.0	14.4	14.4	10.0	10.0	---	---
9	---	---	11.5	11.0	12.0	12.0	14.4	14.4	10.0	9.4	---	---
10	---	---	11.5	11.5	12.0	12.0	14.4	14.4	9.4	9.4	---	---
11	---	---	11.5	11.5	12.0	12.0	14.4	14.4	9.4	8.9	---	---
12	---	---	11.5	11.5	12.0	12.0	14.4	13.9	9.4	8.9	---	---
13	---	---	11.5	11.5	13.0	12.0	13.9	13.9	9.4	8.9	---	---
14	11.0	10.5	12.0	11.5	13.0	13.0	13.9	13.9	8.9	8.9	---	---
15	11.0	10.5	12.0	11.5	13.0	13.0	13.9	13.3	8.9	8.9	---	---
16	11.0	10.5	12.0	11.5	13.5	13.0	13.3	13.3	8.9	8.3	---	---
17	10.5	10.0	12.0	11.5	13.5	13.0	13.3	13.3	8.9	8.3	---	---
18	11.0	10.5	13.0	11.5	13.5	13.0	13.3	13.3	8.9	8.3	---	---
19	11.0	10.5	13.0	11.5	13.5	13.0	13.3	12.8	8.3	8.3	---	---
20	10.5	10.5	13.0	12.0	13.5	13.0	12.8	12.8	8.3	7.8	---	---
21	10.5	10.5	13.0	12.0	14.0	13.5	12.8	12.8	7.8	7.2	---	---
22	11.0	10.5	12.0	11.5	13.5	13.5	12.8	12.2	7.8	7.2	---	---
23	11.0	10.5	12.0	11.5	13.5	13.5	12.8	12.2	7.2	6.7	---	---
24	11.0	10.5	13.0	11.5	14.0	13.5	12.2	12.2	6.7	6.1	---	---
25	11.0	10.5	13.0	11.5	14.0	13.5	12.2	12.2	6.7	5.6	---	---
26	11.5	11.0	13.0	11.5	14.0	14.0	12.2	11.7	5.6	5.6	---	---
27	11.5	11.0	13.0	11.5	14.5	14.0	11.7	11.7	5.6	5.6	---	---
28	11.0	10.5	13.0	12.0	14.5	14.0	11.7	11.1	5.6	5.0	---	---
29	11.5	11.0	13.0	12.0	14.0	14.0	11.7	11.1	5.0	4.4	---	---
30	11.5	11.0	12.0	12.0	14.0	14.0	11.1	11.1	4.4	4.4	---	---
31	11.0	11.0	12.0	11.5	---	---	11.1	11.1	---	---	---	---
MONTH	11.5	10.0	13.0	11.0	14.5	11.5	14.4	11.1	11.1	4.4	4.4	.0
YEAR	14.5	.0										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	10.0	8.3	12.2	10.0
2							---	---	10.0	8.3	11.7	10.0
3							---	---	10.0	8.3	11.1	10.0
4							---	---	9.4	8.9	12.2	10.0
5							---	---	10.0	8.3	12.2	10.0
6							---	---	10.0	8.9	11.7	10.6
7							---	---	9.4	8.3	11.1	10.6
8							---	---	9.4	8.3	11.1	10.6
9							---	---	8.9	7.8	11.7	10.0
10							---	---	9.4	8.3	11.1	10.0
11							---	---	10.6	8.3	12.2	10.0
12							---	---	11.7	9.4	11.7	10.6
13							---	---	12.2	10.0	11.7	10.6
14							6.1	3.9	11.7	10.0	11.1	10.6
15							5.6	4.4	12.2	10.0	11.1	10.6
16							5.0	4.4	12.2	10.0	10.6	10.0
17							5.6	4.4	11.7	10.0	11.7	10.0
18							5.6	3.9	11.7	9.4	10.6	10.0
19							5.6	3.9	11.7	10.0	11.7	10.0
20							6.1	4.4	11.1	10.0	11.1	10.0
21							7.2	5.6	11.7	8.9	11.7	10.0
22							7.2	6.1	12.2	10.0	11.1	10.6
23							7.2	6.1	11.7	10.0	10.6	10.6
24							7.2	6.1	11.1	10.6	10.6	10.0
25							8.9	7.2	10.6	10.0	10.6	10.6
26							9.4	7.8	10.6	9.4	11.1	10.6
27							9.4	7.8	11.1	9.4	11.1	10.6
28							8.3	5.6	11.7	10.0	11.7	10.6
29							7.8	5.6	12.8	10.0	12.2	10.6
30							8.3	7.8	12.2	10.6	12.2	10.6
31							---	---	11.7	10.6	---	---
MONTH							9.4	3.9	12.8	7.8	12.2	10.0

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.2	10.6	12.2	11.1	12.2	11.7	13.9	13.9	13.3	13.3		
2	12.8	10.0	12.2	11.1	12.2	12.2	13.9	13.9	13.3	12.8		
3	13.3	10.6	12.2	11.1	12.2	12.2	13.9	13.9	13.3	12.8		
4	12.8	10.6	12.2	11.1	12.2	12.2	13.9	13.9	13.3	13.3		
5	13.9	11.1	12.2	11.1	12.2	11.7	14.4	13.9	13.3	12.8		
6	12.2	11.1	11.7	11.1	12.2	12.2	14.4	13.9	12.8	12.8		
7	12.2	10.6	12.2	11.1	12.2	11.7	14.4	13.9	12.8	12.8		
8	12.2	10.6	12.2	11.1	12.8	12.2	14.4	13.9	12.8	12.8		
9	12.8	10.6	12.2	11.1	12.8	12.2	14.4	14.4	12.8	12.8		
10	11.7	10.6	12.2	11.1	12.2	12.2	14.4	14.4	12.8	12.2		
11	11.1	10.6	12.2	11.7	12.8	12.2	14.4	14.4	12.2	12.2		
12	11.1	10.6	12.2	11.1	12.8	12.8	14.4	14.4	---	---		
13	11.1	10.6	11.7	11.1	12.8	12.8	14.4	14.4	---	---		
14	11.1	10.6	12.2	11.1	12.8	12.8	14.4	14.4	---	---		
15	11.1	10.6	11.7	11.1	12.8	12.8	14.4	14.4	---	---		
16	11.1	10.6	11.7	11.1	13.3	12.8	14.4	14.4	---	---		
17	11.1	10.6	12.8	11.1	12.8	12.8	14.4	14.4	---	---		
18	11.1	11.1	11.7	11.1	13.3	12.8	14.4	14.4	---	---		
19	11.1	11.1	11.7	11.1	13.3	12.8	14.4	14.4	---	---		
20	11.1	11.1	11.7	11.7	13.3	13.3	14.4	14.4	---	---		
21	11.1	11.1	11.7	11.7	13.3	13.3	14.4	14.4	---	---		
22	11.1	11.1	11.7	11.7	13.3	13.3	14.4	14.4	---	---		
23	11.7	11.1	11.7	11.7	13.3	13.3	14.4	14.4	---	---		
24	11.7	10.6	11.7	11.7	13.3	13.3	14.4	13.9	---	---		
25	11.7	11.1	11.7	11.7	13.9	13.3	13.9	13.9	---	---		
26	11.7	11.1	11.7	11.7	13.9	13.9	13.9	13.9	---	---		
27	12.2	11.1	11.7	11.7	13.9	13.3	13.9	13.9	---	---		
28	12.2	11.1	11.7	11.7	13.9	13.9	13.9	13.3	---	---		
29	12.2	10.6	11.7	11.7	13.9	13.9	13.3	13.3	---	---		
30	11.7	11.1	11.7	11.7	13.9	13.9	13.3	13.3	---	---		
31	12.2	11.1	12.2	11.7	---	---	13.3	13.3	---	---		
MONTH	13.9	10.0	12.8	11.1	13.9	11.7	14.4	13.3	13.3	12.2		
YEAR	14.4	3.9										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1									---	---	7.8	7.8
2									---	---	8.3	7.8
3									---	---	8.3	7.8
4									---	---	8.3	7.8
5									---	---	8.3	7.8
6									---	---	8.3	8.3
7									---	---	8.3	8.3
8									---	---	8.3	8.3
9									---	---	8.3	8.3
10									---	---	8.3	8.3
11									---	---	8.3	8.3
12									---	---	8.3	8.3
13									---	---	8.9	8.3
14									---	---	8.9	8.3
15									---	---	8.9	8.3
16									---	---	8.9	8.3
17									---	---	8.9	8.3
18									---	---	8.9	8.3
19									---	---	8.9	8.3
20									---	7.8	8.9	8.9
21									7.8	7.8	8.9	8.9
22									8.3	7.8	9.4	8.9
23									7.8	7.8	9.4	8.9
24									7.8	7.8	9.4	9.4
25									7.8	7.8	9.4	8.9
26									7.8	7.8	9.4	8.9
27									7.8	7.8	9.4	8.3
28									7.8	7.8	9.4	8.9
29									7.8	7.8	9.4	8.9
30									7.8	7.8	9.4	8.9
31									7.8	7.8	---	---
MONTH									8.3	7.8	9.4	7.8

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.4	8.9	14.4	10.6	17.2	17.2	14.4	13.3	10.6	10.6		
2	9.4	9.4	14.4	11.1	17.2	16.7	13.3	12.8	11.1	10.6		
3	10.0	9.4	16.7	11.1	17.2	16.1	12.8	11.7	11.1	10.6		
4	10.0	9.4	16.1	10.0	16.1	15.6	11.7	11.7	10.6	10.6		
5	10.0	9.4	15.6	11.7	15.6	15.0	11.7	11.1	10.6	10.0		
6	10.0	9.4	15.6	14.4	15.0	15.0	11.7	11.1	10.0	10.0		
7	10.0	9.4	15.0	13.9	15.0	13.9	11.7	11.7	10.0	10.0		
8	10.6	8.3	13.9	13.3	15.0	14.4	11.7	11.7	10.0	10.0		
9	8.9	8.3	13.9	13.3	15.0	15.0	11.7	11.7	10.0	10.0		
10	8.9	8.3	14.4	12.8	15.0	15.0	12.2	11.7	---	---		
11	9.4	8.9	15.0	14.4	15.0	15.0	12.2	12.2	---	---		
12	9.4	8.9	15.6	15.0	15.0	15.0	12.2	12.2	---	---		
13	9.4	8.9	16.7	15.6	15.6	15.0	12.2	11.7	---	---		
14	10.0	9.4	16.7	16.1	15.6	15.0	11.7	11.7	---	---		
15	9.4	8.9	16.1	15.0	16.1	15.6	11.7	11.7	10.0	---		
16	9.4	8.9	15.6	14.4	16.1	15.6	11.7	11.1	---	---		
17	10.0	8.9	15.0	13.9	16.1	15.0	11.7	11.7	---	---		
18	10.6	9.4	14.4	13.9	15.6	15.0	11.7	11.1	---	---		
19	10.6	10.0	14.4	13.9	15.6	15.0	11.7	11.1	---	---		
20	10.6	10.0	13.9	13.3	16.1	15.6	11.7	11.1	---	---		
21	10.6	10.0	14.4	13.3	16.7	16.1	11.7	11.1	---	---		
22	10.0	9.4	14.4	13.9	---	---	11.7	11.1	---	---		
23	10.0	10.0	15.0	14.4	---	---	11.7	11.1	---	---		
24	10.0	9.4	14.4	13.9	---	---	11.1	11.1	---	---		
25	11.1	9.4	14.4	13.9	---	---	11.1	11.1	---	---		
26	12.8	11.1	13.9	13.9	15.0	12.8	11.1	10.0	---	---		
27	12.8	11.7	14.4	13.9	13.3	12.2	11.1	11.1	---	---		
28	12.2	10.6	15.6	14.4	13.3	12.8	11.1	10.6	---	---		
29	12.8	11.7	16.1	15.6	12.8	12.2	11.1	10.6	---	---		
30	12.8	11.1	16.7	16.1	13.3	12.8	11.1	10.6	---	---		
31	13.9	11.1	17.2	16.7	---	---	11.1	10.6	---	---		
MONTH	13.9	8.3	17.2	10.0	17.2	12.2	14.4	10.0	11.1	10.0		
YEAR	17.2	7.8										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DFG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	5.6	5.0	8.3	7.8
2							---	---	5.6	5.6	8.9	8.3
3							3.9	3.3	5.6	5.6	8.9	8.3
4							3.9	3.3	5.6	5.6	8.9	8.3
5							3.9	3.3	5.6	5.6	8.3	8.3
6							4.4	3.3	5.6	5.6	8.9	8.3
7							4.4	3.3	5.6	5.6	8.9	8.3
8							3.9	3.9	6.1	5.6	9.4	8.3
9							3.9	3.3	6.7	6.1	9.4	8.9
10							4.4	3.3	7.2	6.7	8.9	8.9
11							4.4	3.9	7.8	7.2	8.9	8.9
12							5.0	3.9	7.8	7.2	9.4	8.9
13							5.0	3.9	7.2	6.7	9.4	8.9
14							4.4	3.9	7.2	6.7	9.4	8.9
15							4.4	4.4	7.2	6.7	9.4	8.9
16							4.4	4.4	7.2	6.7	9.4	8.9
17							5.0	4.4	7.2	6.7	9.4	9.4
18							5.0	4.4	7.8	7.2	9.4	8.9
19							5.0	4.4	7.8	7.2	9.4	9.4
20							5.0	4.4	7.2	6.7	9.4	9.4
21							5.0	4.4	7.8	6.7	9.4	9.4
22							5.0	4.4	8.9	7.8	9.4	9.4
23							5.0	4.4	8.9	7.8	9.4	9.4
24							5.0	4.4	7.8	7.2	10.0	9.4
25							5.0	4.4	7.2	7.2	10.0	9.4
26							5.0	4.4	7.8	7.2	10.0	9.4
27							5.6	5.0	7.8	7.8	9.4	9.4
28							5.0	5.0	8.3	7.8	---	---
29							5.0	5.0	8.9	8.3	---	---
30							5.6	5.0	8.9	7.8	---	---
31							---	---	8.3	7.8	---	---
MONTH							5.6	3.3	8.9	5.0	10.0	7.8

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.3	10.0	18.3	17.2	10.6	10.6	11.0	11.0	11.5	11.5		
2	16.1	13.3	19.4	18.3	11.1	10.6	11.0	11.0	11.5	11.5		
3	16.7	15.6	19.4	17.8	11.1	10.6	11.0	11.0	11.5	11.5		
4	17.8	16.7	17.8	17.2	11.1	10.6	11.0	11.0	11.5	11.5		
5	17.2	16.7	17.8	16.7	11.1	10.6	11.0	11.0	11.5	11.5		
6	16.7	16.1	17.8	16.7	11.1	10.6	11.0	11.0	11.5	11.5		
7	16.7	15.6	17.8	16.7	11.1	10.6	11.0	11.0	12.0	11.5		
8	18.9	15.6	19.4	17.2	11.1	11.1	11.0	11.0	12.0	12.0		
9	18.9	18.3	18.9	16.7	11.1	11.1	11.0	11.0	12.0	12.0		
10	19.4	18.3	17.2	16.1	11.1	11.1	11.0	11.0	12.0	12.0		
11	19.4	18.3	17.2	16.1	11.1	11.1	11.0	11.0	12.0	12.0		
12	18.3	17.8	17.2	16.7	11.1	10.6	11.0	11.0	12.0	12.0		
13	17.8	16.7	17.2	16.7	13.3	10.6	11.0	11.0	12.0	12.0		
14	16.7	16.7	17.8	16.7	14.4	11.7	11.0	11.0	12.0	12.0		
15	16.7	15.6	---	---	11.7	11.1	11.0	11.0	12.0	12.0		
16	15.6	15.6	---	---	11.1	11.1	11.0	11.0	---	---		
17	15.6	15.0	---	---	11.1	10.6	11.0	11.0	---	---		
18	15.0	14.4	---	---	11.1	10.6	11.0	11.0	---	---		
19	15.0	14.4	15.6	12.2	11.1	11.1	11.0	11.0	---	---		
20	14.4	14.4	17.8	15.6	11.1	11.1	11.0	11.0	---	---		
21	15.0	14.4	17.8	12.8	11.1	11.1	11.0	11.0	---	---		
22	15.6	15.0	12.8	11.7	11.1	11.1	11.5	11.0	---	---		
23	16.1	15.6	11.7	10.6	11.1	11.1	11.5	11.0	---	---		
24	17.2	15.6	14.4	10.6	11.1	11.1	11.0	11.0	---	---		
25	17.2	16.7	14.4	11.1	11.1	11.1	11.5	11.0	---	---		
26	17.8	16.7	11.1	11.1	11.1	11.1	11.5	11.5	---	---		
27	17.2	16.7	11.1	11.1	11.1	11.1	11.5	11.5	---	---		
28	17.8	16.7	11.1	10.0	11.1	11.1	11.5	11.5	---	---		
29	17.8	16.7	10.0	10.0	11.1	11.1	11.5	11.5	---	---		
30	17.8	16.7	10.6	10.0	11.1	11.1	11.5	11.5	---	---		
31	17.2	16.7	10.6	10.6	---	---	11.5	11.5	---	---		
MONTH	19.4	10.0	19.4	10.0	14.4	10.6	11.5	11.0	12.0	11.5		
YEAR	19.4	3.3										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1									---	---	6.5	6.0
2									---	---	6.5	6.0
3									---	---	6.5	5.5
4									---	---	6.5	6.0
5									---	---	7.0	6.5
6									---	---	7.5	6.5
7									---	---	6.5	6.5
8									---	---	7.0	6.5
9									---	---	7.0	6.5
10									---	---	7.0	6.5
11									---	---	6.5	6.5
12									---	---	6.5	6.5
13									---	---	7.0	6.5
14									---	---	7.5	7.0
15									7.0	5.5	8.5	7.0
16									7.0	6.0	7.0	7.0
17									6.5	5.5	7.5	7.0
18									6.0	5.0	7.5	7.0
19									6.5	5.5	7.5	6.5
20									6.5	5.5	7.5	7.0
21									7.0	5.5	7.5	7.5
22									6.5	6.0	7.5	7.0
23									6.5	6.0	7.0	6.5
24									6.5	6.5	7.5	7.0
25									6.5	6.0	7.5	7.0
26									6.5	5.5	8.5	7.0
27									7.5	6.5	8.5	6.5
28									7.5	6.0	7.5	7.0
29									7.0	6.0	7.5	7.5
30									7.0	6.5	8.5	7.5
31									6.5	6.0	---	---
MONTH									7.5	5.0	8.5	5.5

TABLE 108. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.5	7.5	---	---	11.0	11.0	11.0	11.0				
2	7.5	7.0	---	---	11.0	11.0	11.0	11.0				
3	7.5	7.5	---	---	11.0	10.5	11.0	11.0				
4	8.5	7.5	9.5	9.0	11.5	11.0	11.5	11.0				
5	7.5	7.5	9.0	9.0	11.5	11.5	11.0	10.5				
6	8.5	7.0	9.0	9.0	11.5	11.5	11.0	10.5				
7	7.5	7.0	9.0	9.0	11.5	11.5	11.0	11.0				
8	7.5	7.5	9.0	9.0	11.5	11.0	11.0	11.0				
9	7.5	7.0	9.0	9.0	11.5	11.0	11.0	11.0				
10	7.5	7.0	9.5	9.0	11.0	11.0	11.0	11.0				
11	7.5	7.0	9.5	9.0	11.5	11.0	11.0	11.0				
12	7.5	7.5	9.5	9.5	11.5	11.5	11.0	11.0				
13	7.5	7.5	9.5	9.5	12.0	11.5	11.5	11.0				
14	7.5	7.5	9.5	9.5	---	---	11.5	11.5				
15	8.5	7.5	9.5	9.5	---	---	11.5	11.5				
16	9.0	8.5	10.0	9.5	---	---	11.5	11.5				
17	8.5	7.5	10.5	10.0	11.0	10.5	11.5	---				
18	8.5	7.5	10.5	10.0	10.5	10.0	11.5	---				
19	9.0	8.5	10.5	10.0	10.5	10.5	11.5	---				
20	9.0	8.5	10.5	10.0	10.5	10.5	11.5	---				
21	8.5	8.5	10.5	10.5	11.0	10.5	---	---				
22	9.0	8.5	10.5	10.5	11.0	11.0	---	---				
23	9.0	8.5	10.5	10.5	11.0	11.0	---	---				
24	9.0	8.5	10.5	10.5	11.0	11.0	---	---				
25	9.0	8.5	10.5	10.5	11.0	11.0	---	11.5				
26	9.0	8.5	10.5	10.5	11.0	11.0	---	11.5				
27	9.0	8.5	10.5	10.5	11.0	11.0	---	11.5				
28	9.5	9.0	10.5	10.5	11.0	11.0	---	11.0				
29	---	---	11.0	10.5	11.0	11.0	---	---				
30	---	---	11.0	11.0	11.5	11.0	---	---				
31	---	---	11.0	11.0	---	---	---	---				
MONTH	9.5	7.0	11.0	9.0	12.0	10.0	11.5	10.5				
YEAR	12.0	5.0										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 109. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12305000 KOOTENAI RIVER AT LEONIA IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 483704 LONGITUDE 1160247 DRAINAGE AREA 11740.00 DATUM 1790.25 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	15.2	14.4	12.6	12.1	10.4	10.1		
2			---	---	15.8	14.7	12.4	11.5	10.4	9.8		
3			---	---	16.9	14.6	12.0	11.4	10.5	9.3		
4			---	---	16.6	14.8	11.9	11.1	10.4	9.7		
5			---	---	16.0	14.3	11.9	11.2	10.1	9.2		
6			---	---	14.9	14.4	11.9	11.1	10.0	9.1		
7			---	---	15.2	14.8	11.9	11.3	10.7	10.3		
8			---	---	15.5	14.5	11.9	11.3	10.4	9.1		
9			---	---	15.3	13.7	11.9	11.1	9.1	8.1		
10			---	---	15.5	14.4	11.9	11.0	8.6	7.9		
11			---	---	14.5	13.7	10.9	10.4	8.5	7.8		
12			---	---	14.3	13.6	10.2	9.6	8.6	8.2		
13			---	---	14.2	13.9	9.7	9.0	9.0	8.4		
14			---	---	14.5	14.0	9.7	9.1	8.8	8.2		
15			---	---	14.6	13.6	9.8	9.3	9.2	8.3		
16			---	---	13.7	12.4	10.1	9.6	9.1	8.8		
17			---	---	13.0	11.6	11.5	10.4	9.1	8.5		
18			---	---	12.4	10.9	12.3	11.2	8.9	7.5		
19			---	---	12.8	11.4	12.3	11.3	8.2	7.7		
20			---	---	13.0	12.7	13.0	11.2	8.4	7.5		
21			---	---	13.1	12.7	13.4	12.5	8.1	7.1		
22			---	---	13.1	12.5	12.8	12.1	---	---		
23			---	---	12.7	12.3	13.0	11.7	---	---		
24			---	---	13.2	12.5	12.3	11.2	---	---		
25			---	---	13.3	12.5	11.6	10.5	---	---		
26			---	---	13.4	12.6	11.2	10.0	---	---		
27			---	---	13.5	13.0	11.1	10.8	---	---		
28			---	---	13.4	12.6	11.7	10.7	---	---		
29			15.4	14.5	13.0	12.6	11.6	11.0	---	---		
30			15.1	14.0	13.0	12.2	11.2	10.8	---	---		
31			15.0	14.6	---	---	10.7	9.9	---	---		
MONTH			15.4	14.0	16.9	10.9	13.4	9.0	10.7	7.1		
YEAR	16.9	7.1										

TABLE 110. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.8	7.8	---	---	12.1	8.5						
2	16.1	8.3	---	---	12.6	8.4						
3	17.1	11.8	---	---	14.6	9.2						
4	16.9	9.8	---	---	17.3	10.5						
5	16.7	14.7	---	---	20.4	12.0						
6	17.6	13.6	---	---	21.8	16.5						
7	17.2	9.0	---	---	18.5	10.4						
8	17.8	8.8	---	---	12.9	7.0						
9	18.8	14.0	---	---	10.5	5.4						
10	19.9	17.4	---	---	9.2	2.6						
11	19.9	13.3	---	---	---							
12	20.4	16.6	---	---	---	.2						
13	20.7	13.7	---	---	---							
14	19.8	13.2	---	---	---							
15	19.2	15.3	---	---	---							
16	17.9	14.5	---	---	---							
17	18.5	9.6	---	---	---							
18	18.8	12.0	---	---	---							
19	19.3	11.6	---	---	---							
20	18.8	16.2	---	---	---							
21	18.6	11.4	---	---	---							
22	19.1	10.6	---	---	---							
23	18.4	13.9	20.9	18.4	---							
24	18.3	13.8	18.7	17.1	---							
25	---	---	20.9	17.0	---							
26	---	---	19.9	17.4	---							
27	---	---	21.2	17.0	---							
28	---	---	20.1	16.5	---							
29	---	---	17.9	12.4	---							
30	---	---	14.0	10.5	---							
31	---	---	11.7	10.0	---							
MONTH	20.7	7.8	21.2	10.0	21.8	.2						
YEAR	21.8	-2.7										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 110. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	6.9	4.7	11.5	6.7
2							---	---	7.4	3.7	10.3	8.0
3							---	---	8.9	3.5	9.7	7.9
4							---	---	10.6	4.0	9.2	7.5
5							---	---	11.0	4.9	9.3	7.1
6							---	---	9.8	6.0	8.7	7.1
7							---	---	8.5	5.9	9.2	7.3
8							---	---	9.0	5.2	9.6	7.4
9							---	---	6.9	5.0	11.2	7.8
10							---	---	7.8	5.0	12.0	8.3
11							---	---	6.2	4.5	12.4	9.1
12							---	---	6.9	4.7	12.4	9.5
13							---	---	6.6	4.6	12.2	9.4
14							---	---	6.4	4.9	12.1	9.4
15							---	---	6.7	4.8	12.1	9.8
16							---	---	6.9	5.1	12.3	10.2
17							---	---	7.1	5.3	12.7	10.5
18							---	---	6.8	5.5	12.7	10.9
19							---	---	11.2	5.9	12.6	11.4
20							---	---	11.7	6.5	12.2	11.5
21							---	---	11.8	7.7	12.5	11.4
22							---	---	13.3	7.5	12.7	11.4
23							7.4	5.2	9.3	8.2	13.2	12.2
24							10.8	4.5	8.8	7.8	13.5	12.6
25							7.9	5.1	9.6	7.3	14.0	13.5
26							6.7	4.6	11.6	7.3	14.0	13.2
27							5.2	3.9	11.5	7.1	13.6	12.6
28							7.2	4.2	11.4	6.5	12.9	12.4
29							7.9	3.8	10.8	7.2	13.3	12.2
30							8.3	4.5	8.2	7.3	13.6	12.4
31							---	---	10.3	7.0	---	---
MONTH							10.8	3.8	13.3	3.5	14.0	6.7

TABLE 110. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.7	12.9	17.7	15.8	17.4	14.8	16.2	9.0	12.3	10.6	9.4	7.8
2	13.5	13.0	17.8	16.7	17.3	15.2	17.4	14.0	---	---	---	---
3	13.8	13.1	18.1	15.2	17.0	14.6	16.2	12.0	---	---	---	---
4	13.8	13.3	18.9	15.3	17.0	15.2	15.6	11.3	---	---	---	---
5	13.9	13.1	19.1	16.6	16.1	13.8	15.2	11.0	---	---	---	---
6	13.7	12.8	18.5	17.7	16.5	14.5	15.4	10.3	---	---	---	---
7	14.2	12.8	18.2	17.2	15.6	14.1	14.6	10.4	---	---	---	---
8	14.3	13.2	17.8	16.8	15.6	14.0	14.8	11.6	---	---	---	---
9	14.5	13.5	18.0	16.5	15.3	13.5	14.6	11.4	---	---	11.5	10.8
10	14.2	12.9	16.6	15.8	15.0	12.8	14.5	9.6	---	---	11.2	10.6
11	13.6	12.0	16.9	15.8	14.8	12.2	15.2	9.1	---	---	12.9	10.3
12	14.2	12.1	16.2	14.8	14.8	11.6	13.8	10.7	---	---	11.3	9.7
13	14.7	12.1	17.2	15.2	14.4	11.8	14.3	8.8	---	---	10.6	9.9
14	15.2	13.0	17.3	15.5	15.3	11.8	14.4	9.0	---	---	10.0	9.4
15	15.3	13.8	17.6	16.0	15.2	11.9	13.6	10.0	---	---	9.9	9.4
16	15.4	13.8	18.2	15.9	16.0	11.9	13.4	8.3	---	---	10.0	9.6
17	14.8	13.8	18.3	16.2	16.3	12.9	14.3	7.7	---	---	12.0	9.1
18	15.4	13.6	16.9	15.9	16.6	13.3	14.0	9.6	---	---	9.7	8.8
19	16.0	14.2	16.8	14.6	16.6	13.8	13.8	10.3	---	---	10.1	9.0
20	17.5	14.6	16.1	14.0	16.7	13.5	13.6	10.9	9.7	9.1	9.8	8.9
21	18.5	16.0	16.9	13.9	16.6	13.3	12.9	9.2	9.9	8.4	10.5	9.2
22	18.6	17.0	16.1	13.6	16.3	12.9	13.6	7.5	9.4	8.5	9.2	8.1
23	17.7	15.5	15.5	13.0	16.1	13.5	12.9	7.4	8.5	8.2	9.1	6.1
24	15.5	14.0	16.2	12.9	16.5	13.0	13.2	9.3	8.4	8.3	8.3	5.7
25	15.3	13.6	17.2	13.6	16.9	13.4	13.7	9.5	9.2	8.1	8.9	5.2
26	15.9	13.8	17.1	14.7	16.1	13.5	13.5	9.6	9.3	6.0	8.8	6.6
27	16.2	14.9	17.0	14.3	14.1	12.8	13.0	10.3	9.3	6.5	9.2	6.5
28	16.4	15.0	17.1	14.5	14.2	11.4	12.3	10.3	9.4	5.6	9.6	6.9
29	16.2	15.1	17.1	14.2	13.9	10.4	13.1	9.9	10.1	6.2	9.9	4.9
30	17.4	15.4	17.3	14.4	13.0	9.4	13.4	9.9	9.9	5.0	9.2	6.5
31	17.4	15.6	17.1	14.9	---	---	13.0	7.5	---	---	---	---
MONTH	18.6	12.0	19.1	12.9	17.4	9.4	17.4	7.4	12.3	5.0	12.9	4.9
YEAR	19.1	3.5										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR



TABLE 110. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
1	---	---			---	---	8.8	2.6				
2	---	---			---	---	6.5	3.5				
3	---	---			---	---	8.3	3.0				
4	---	---			---	---	8.2	2.3				
5	---	---			---	---	10.1	4.2				
6	---	---			---	---	11.4	3.7				
7	---	---			---	---	10.2	4.9				
8	---	---			---	---	7.7	5.8				
9	---	---			---	---	8.2	6.0				
10	---	---			---	---	---	---				
11	---	---			---	---	---	---				
12	---	---			---	---	---	---				
13	---	---			---	---	---	---				
14	---	---			---	---	---	---				
15	---	---			---	---	---	---				
16	---	---			---	---	---	---				
17	---	---			---	---	---	---				
18	---	---			5.9	5.0	---	---				
19	---	---			8.7	4.7	---	---				
20	8.1	6.3			7.5	4.2	---	---				
21	6.6	5.3			7.0	3.9	---	---				
22	6.8	5.6			6.9	4.4	---	---				
23	7.5	6.0			7.4	3.4	---	---				
24	7.6	6.3			9.2	2.5	---	---				
25	7.4	6.6			6.9	2.7	---	---				
26	7.4	4.3			8.0	2.7	---	---				
27	6.3	2.3			8.6	.9	---	---				
28	---	---			7.2	1.6	---	---				
29	---	---			8.3	3.5	---	---				
30	---	---			8.1	1.8	---	---				
31	---	---			6.5	2.5	---	---				
MONTH	8.1	2.3			9.2	.9	11.4	2.3				

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	0	0	.0	.0	5.0	4.4	8.3	7.8	10.0	9.4
2	0	0	0	0	.0	.0	5.6	5.0	8.3	7.8	10.0	9.4
3	0	0	0	0	.0	.0	6.1	5.0	8.3	7.8	10.0	9.4
4	0	0	0	0	.0	.0	6.1	6.1	8.9	7.8	10.0	9.4
5	0	0	0	0	.0	.0	6.1	5.6	8.9	8.9	9.4	9.4
6	0	0	0	0	.0	.0	5.6	5.0	8.9	8.9	10.6	9.4
7	0	0	0	0	.0	.0	5.0	5.0	8.9	8.3	10.6	10.6
8	0	0	0	0	1.1	.0	5.0	5.0	8.3	7.8	10.6	10.0
9	0	0	0	0	1.7	1.1	5.6	5.0	8.3	7.8	10.6	10.0
10	0	0	0	0	1.7	1.7	5.6	5.0	8.3	8.3	10.0	10.0
11	0	0	0	0	1.7	1.7	5.0	5.0	8.3	8.3	10.6	10.0
12	0	0	0	0	2.8	1.7	5.0	5.0	8.9	8.3	10.6	10.0
13	0	0	0	0	3.3	2.8	5.0	5.0	9.4	8.9	10.6	10.0
14	0	0	0	0	3.3	3.3	5.0	5.0	9.4	8.9	10.0	10.0
15	0	0	0	0	3.3	3.3	5.6	5.0	8.9	8.3	10.6	10.0
16	0	0	0	0	3.9	3.3	5.6	5.6	8.9	8.3	11.7	10.6
17	0	0	0	0	4.4	3.9	5.6	5.6	8.3	8.3	11.7	11.1
18	0	0	0	0	5.0	4.4	6.1	5.6	8.3	8.3	11.1	11.1
19	0	0	0	0	5.0	5.0	6.1	5.6	8.3	8.3	11.1	11.1
20	0	0	0	0	5.0	4.4	6.7	5.6	9.4	8.3	11.1	11.1
21	0	0	0	0	4.4	4.4	6.7	6.1	9.4	9.4	11.1	11.1
22	0	0	0	0	4.4	4.4	7.2	6.7	9.4	8.9	11.1	11.1
23	0	0	0	0	4.4	4.4	7.8	7.2	8.9	8.9	11.1	11.1
24	0	0	0	0	4.4	4.4	7.8	7.2	8.9	8.3	11.1	11.1
25	0	0	0	0	5.0	4.4	7.8	7.2	8.3	8.3	11.1	10.6
26	0	0	0	0	5.0	4.4	7.8	7.2	8.3	8.3	10.6	10.6
27	0	0	0	0	4.4	3.9	8.3	7.8	8.9	8.3	11.1	11.1
28	0	0	0	0	4.4	3.9	7.8	7.8	9.4	8.3	11.1	11.1
29	0	0	0	0	4.4	3.9	8.3	7.8	10.0	9.4	11.7	11.1
30	0	0	---	---	4.4	3.9	8.3	7.8	10.0	9.4	13.3	11.7
31	0	0	---	---	4.4	4.4	---	---	10.0	9.4	---	---
MONTH	0	0	0	0	5.0	.0	8.3	4.4	10.0	7.8	13.3	9.4

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.3	12.8	13.9	13.3	17.8	17.2	13.9	13.3	9.4	9.4	2.8	2.8
2	13.3	12.8	13.3	13.3	17.2	16.7	13.9	13.9	9.4	8.9	2.8	2.8
3	12.8	12.2	13.3	12.8	16.7	16.1	13.9	13.9	8.9	8.9	2.8	2.2
4	12.2	12.2	13.3	12.8	16.1	15.6	13.9	13.9	8.9	8.9	2.2	1.7
5	12.8	12.2	13.9	12.8	15.6	14.4	13.9	13.9	8.9	8.9	1.7	1.7
6	13.3	12.8	13.9	13.3	14.4	13.9	13.9	13.9	8.9	8.9	1.7	1.1
7	13.3	13.3	14.4	13.9	14.4	13.9	13.9	13.9	8.9	8.9	1.1	.6
8	13.9	13.3	15.0	14.4	14.4	13.9	13.9	13.9	8.9	8.9	.6	.6
9	13.9	13.9	15.6	15.0	13.9	13.9	13.9	13.9	8.9	8.9	.6	.6
10	14.4	14.4	15.6	15.6	13.9	12.8	13.9	13.3	8.9	8.3	.6	.0
11	14.4	13.9	15.6	15.0	12.8	12.8	13.3	13.3	8.3	8.3	.0	.0
12	14.4	14.4	15.0	15.0	12.8	12.8	13.3	12.8	8.3	7.8	.0	.0
13	14.4	14.4	15.0	15.0	13.3	12.8	12.8	12.8	7.8	7.8	.0	.0
14	14.4	14.4	15.0	15.0	12.8	12.8	12.8	12.8	7.8	7.8	.0	.0
15	14.4	14.4	15.0	15.0	12.8	12.8	12.8	12.8	7.8	7.8	.0	.0
16	14.4	13.9	15.0	15.0	13.	12.8	12.8	12.8	7.8	7.8	.0	.0
17	13.9	12.8	15.0	14.4	13.	13.3	12.8	12.2	7.8	7.8	.0	.0
18	13.3	12.8	14.4	14.4	13.3	13.3	12.2	12.2	7.8	7.2	.0	.0
19	12.8	12.8	14.4	14.4	13.3	13.3	12.2	12.2	7.2	7.2	.0	.0
20	12.8	12.2	15.6	14.4	13.3	13.3	12.2	12.2	7.2	7.2	.0	.0
21	12.2	11.7	15.6	14.4	13.3	12.8	12.2	12.2	7.2	6.7	.0	.0
22	11.7	11.1	14.4	14.4	12.8	12.8	12.2	12.2	6.7	6.7	.0	.0
23	11.7	11.1	15.0	14.4	12.8	12.8	12.2	12.2	6.7	6.1	.0	.0
24	12.2	11.7	15.6	14.4	12.8	12.8	12.2	11.7	6.1	6.1	.0	.0
25	12.8	12.2	15.6	14.4	12.8	11.7	11.7	11.1	6.1	5.6	.0	.0
26	12.8	12.8	17.2	15.6	12.8	12.2	11.1	10.6	5.6	5.0	.0	.0
27	13.3	12.8	17.8	16.7	13.3	12.8	10.6	10.6	5.0	4.4	.0	.0
28	13.9	13.3	17.8	16.7	13.3	13.3	10.6	10.0	4.4	3.9	.0	.0
29	13.9	13.9	17.8	16.7	13.3	13.3	10.0	10.0	3.9	3.3	.0	.0
30	13.9	13.3	17.2	16.7	13.3	13.3	10.0	9.4	3.3	2.8	.0	.0
31	13.9	13.3	17.2	16.7	---	---	9.4	9.4	---	---	.0	.0
MONTH	14.4	11.1	17.8	12.8	17.8	11.7	13.9	9.4	9.4	2.8	2.8	.0
YEAR	17.8	.0										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.0	.0	0	0	.0	.0	---	5.6	10.0	8.3	10.6	10.0
2	.6	.0	0	0	.0	.0	---	---	8.9	7.8	11.1	10.6
3	.6	.6	0	0	.0	.0	---	---	8.9	7.8	11.1	11.1
4	.6	.6	0	0	.0	.0	---	---	7.8	7.2	11.7	11.1
5	.6	.6	0	0	.0	.0	---	---	8.3	7.2	11.1	11.1
6	.6	.6	0	0	1.1	.0	---	---	8.9	8.3	11.1	11.1
7	.6	.6	0	0	2.2	1.1	---	---	8.9	8.3	11.7	11.1
8	.6	.6	0	0	2.8	2.2	---	---	8.9	8.3	12.2	11.7
9	.6	.6	0	0	3.3	2.8	---	---	8.3	8.3	12.8	11.7
10	.6	.6	0	0	3.3	3.3	---	---	8.3	8.3	12.8	12.8
11	.6	.0	0	0	4.4	3.3	---	---	8.9	7.8	12.8	12.2
12	.0	.0	0	0	4.4	3.9	---	6.7	8.3	7.8	12.2	11.7
13	.0	.0	0	0	5.0	4.4	---	6.7	8.9	7.8	12.2	11.7
14	.0	.0	0	0	4.4	4.4	---	7.2	8.9	8.3	11.7	11.7
15	.0	.0	0	0	5.0	4.4	---	7.8	10.0	8.9	11.7	11.7
16	.0	.0	0	0	5.0	4.4	---	7.8	10.6	10.0	12.2	11.7
17	.0	.0	0	0	5.0	4.4	---	7.2	10.6	10.0	12.8	12.2
18	.0	.0	0	0	5.0	4.4	---	6.1	10.6	10.0	12.8	12.2
19	.0	.0	0	0	5.0	4.4	---	4.4	10.0	9.4	12.8	12.8
20	.0	.0	0	0	5.0	4.4	---	3.9	10.0	9.4	12.8	12.8
21	.0	.0	0	0	6.1	5.0	---	4.4	9.4	8.9	13.3	13.3
22	.0	.0	0	0	5.6	5.0	---	6.7	9.4	8.9	13.9	13.3
23	.0	.0	0	0	6.1	5.0	---	7.2	9.4	8.9	13.9	13.3
24	.0	.0	0	0	6.7	5.6	---	7.2	8.9	8.9	15.0	13.9
25	.0	.0	0	0	6.1	5.6	---	7.8	9.4	8.9	16.1	15.0
26	.0	.0	0	0	6.1	5.6	10.0	8.3	9.4	9.4	16.7	16.1
27	.0	.0	0	0	7.2	6.1	9.4	8.3	9.4	9.4	16.7	15.6
28	.0	.0	0	0	7.8	6.7	8.9	8.3	9.4	8.9	15.6	15.6
29	.0	.0	---	---	8.3	6.7	9.4	8.3	8.9	8.9	15.6	15.0
30	.0	.0	---	---	7.2	6.7	9.4	8.3	9.4	8.9	16.1	15.6
31	.0	.0	---	---	7.2	5.6	---	---	10.0	10.0	---	---
MONTH	.6	.0	0	0	8.3	.0	10.0	3.9	10.6	7.2	16.7	10.0

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.1	15.6	17.8	17.2			13.3	13.3	8.3	7.8	4.4	3.9
2	16.7	16.1	18.3	17.8			13.3	12.8	7.8	7.8	4.4	3.9
3	17.8	16.1	18.9	18.3			12.8	12.2	7.8	6.7	4.4	3.9
4	17.8	16.7	18.9	18.9			12.2	11.7	6.7	6.1	4.4	4.4
5	18.3	17.2	18.9	18.3			11.7	11.7	6.1	5.0	4.4	3.9
6	17.8	17.2	18.3	18.3			11.7	11.7	5.0	4.4	3.9	3.3
7	18.3	17.8	18.3	18.3			11.7	10.6	4.4	4.4	3.9	3.3
8	18.9	17.8	18.3	18.3			10.6	10.6	4.4	4.4	3.9	3.3
9	19.4	17.8	18.3	18.3			10.6	10.6	4.4	4.4	3.3	3.3
10	20.0	18.3	18.3	18.3			10.6	10.6	4.4	4.4	3.3	2.8
11	19.4	18.3	18.3	18.3			10.6	10.6	4.4	4.4	2.8	2.8
12	20.0	18.9	18.3	17.8			10.6	10.6	5.6	4.4	2.8	2.2
13	20.0	19.4	17.8	17.8			10.6	10.6	5.6	5.6	2.2	2.2
14	19.4	19.4	17.8	17.8			10.6	10.6	5.6	5.0	2.2	2.2
15	19.4	17.8	17.8	17.8			10.6	10.6	5.0	4.4	2.2	2.2
16	17.8	17.2	17.8	17.2			10.6	10.6	4.4	4.4	2.2	2.2
17	17.8	16.7	17.2	17.2			10.6	10.6	4.4	4.4	2.2	1.7
18	16.7	16.1	17.2	17.2			10.6	10.6	4.4	3.9	2.2	1.7
19	17.2	16.1	17.2	16.7			11.1	10.6	3.9	3.3	2.8	2.2
20	17.2	16.7	16.7	15.6			11.1	10.6	3.9	3.3	2.8	2.8
21	17.2	17.2	15.6	14.4			11.1	10.6	3.9	3.3	2.8	2.8
22	17.2	16.7	14.4	14.4			10.6	10.6	3.3	3.3	2.8	2.8
23	16.7	16.7	14.4	14.4			10.6	10.6	3.3	2.2	3.3	3.3
24	16.7	16.1	---	---			10.6	10.6	2.2	1.7	3.3	3.3
25	16.7	16.7	---	---			10.6	10.0	3.3	2.2	3.3	2.8
26	17.8	16.7	---	---			10.0	10.0	3.9	3.3	2.8	2.8
27	17.8	17.2	---	---			10.0	9.4	3.3	3.3	2.8	2.8
28	17.8	17.2	---	---			9.4	9.4	3.3	3.3	2.8	2.8
29	17.2	17.2	---	---			9.4	8.9	3.9	3.3	2.8	2.8
30	17.2	17.2	---	---			8.9	8.3	3.9	3.9	2.8	2.8
31	17.2	17.2	---	---			8.3	8.3	---	---	2.8	2.2
MONTH	20.0	15.6	18.9	14.4			13.3	8.3	8.3	1.7	4.4	1.7
YEAR	20.0	.0										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	1	2.2	1.7	3.3	2.8	1.1	1.1	4.4	4.4	7.2	6.7	8.3
2	1.7	1.7	2.8	2.8	1.1	.6	4.4	4.4	6.7	6.7	8.9	8.3
3	1.7	1.1	3.3	2.8	.6	.0	4.4	4.4	6.7	6.1	8.9	8.3
4	1.1	.6	3.3	3.3	.6	.6	5.0	4.4	6.7	6.1	8.9	8.9
5	.6	.6	3.3	3.3	.6	.6	5.0	4.4	7.8	6.7	8.9	8.3
6	.6	.0	3.3	3.3	.6	.6	5.6	5.6	8.3	6.7	8.3	8.3
7	.0	.0	2.8	2.8	.6	.6	5.6	5.6	8.3	7.8	8.3	8.3
8	.0	.0	2.8	2.8	1.1	.6	6.1	5.6	7.8	7.2	8.3	8.3
9	1.1	.0	2.8	2.2	.6	.6	6.1	6.1	7.2	7.2	8.9	8.3
10	1.7	1.1	2.8	2.2	.6	.0	6.7	6.1	7.2	7.2	9.4	8.9
11	1.7	1.7	2.8	2.8	.6	.6	6.7	6.1	7.2	6.7	10.0	9.4
12	1.7	1.7	2.8	2.8	1.7	1.1	6.7	6.1	6.7	6.7	10.6	10.0
13	1.7	1.7	2.2	2.2	1.7	1.7	6.7	6.1	6.7	6.7	10.6	10.6
14	1.7	1.1	2.2	2.2	1.7	1.7	6.7	6.1	6.7	6.7	10.6	10.6
15	2.8	1.7	2.2	2.2	2.2	2.2	7.2	6.1	7.2	6.7	11.1	10.6
16	3.3	1.7	2.2	2.2	2.2	2.2	7.8	6.7	7.2	7.2	11.1	10.6
17	2.2	1.7	2.2	2.2	2.2	1.7	7.8	7.2	7.2	7.2	11.7	11.1
18	1.7	1.7	2.2	2.2	2.2	2.2	7.8	7.2	7.2	7.2	11.7	11.7
19	1.7	1.7	1.7	1.7	2.8	2.8	7.8	7.8	7.8	7.2	11.7	11.7
20	1.7	1.7	1.7	1.7	3.3	2.8	7.8	7.2	8.3	7.8	12.2	12.2
21	1.7	1.7	1.7	1.7	3.9	3.3	7.2	7.2	9.4	8.3	12.2	12.2
22	2.2	1.7	1.7	1.7	3.9	3.3	7.2	6.7	9.4	9.4	12.2	12.2
23	2.2	1.7	1.7	1.1	3.9	3.3	6.7	6.7	10.0	9.4	13.3	12.2
24	1.7	1.7	1.7	1.1	4.4	3.9	7.2	6.7	10.0	9.4	13.3	12.8
25	1.7	1.7	1.1	1.1	4.4	4.4	7.8	7.2	9.4	8.3	13.9	13.3
26	2.2	1.7	1.1	1.1	5.0	3.9	7.8	7.2	8.3	7.8	13.9	13.9
27	2.8	2.2	1.1	1.1	4.4	3.9	7.2	6.1	8.9	8.3	13.9	13.3
28	3.3	2.8	1.1	1.1	4.4	4.4	6.1	6.1	8.9	8.3	13.3	12.8
29	3.3	3.3	---	---	5.0	4.4	6.1	6.1	8.9	8.3	12.8	12.2
30	3.3	3.3	---	---	5.6	5.0	6.7	6.1	8.9	8.3	12.8	12.2
31	3.9	3.3	---	---	5.0	4.4	---	---	8.9	8.3	---	---
MONTH	3.9	.0	3.3	1.1	5.6	.0	7.8	4.4	10.0	6.1	13.9	8.3

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	1	13.3	12.8	17.2	15.6	16.7	16.1	12.2	11.7	10.0	10.0	5.6
2	13.3	12.8	16.7	15.6	17.2	16.7	11.7	11.7	10.0	10.0	5.0	5.0
3	12.8	12.8	16.7	16.7	17.2	16.7	11.7	11.7	10.0	10.0	5.0	5.0
4	13.3	12.8	17.2	16.1	16.7	16.7	11.7	11.7	10.0	10.0	5.0	5.0
5	13.3	13.3	18.3	16.1	16.7	16.1	11.7	11.7	10.0	10.0	5.0	5.0
6	13.3	13.3	18.3	17.8	16.7	15.6	11.7	11.1	10.0	9.4	5.0	5.0
7	13.3	13.3	18.3	17.2	16.1	15.6	11.1	10.6	9.4	8.9	5.6	5.0
8	13.3	13.3	17.8	17.2	16.1	15.6	10.6	10.6	8.9	8.3	5.6	5.6
9	13.9	13.3	17.2	17.2	15.6	15.0	10.6	10.6	8.3	8.3	5.6	5.6
10	13.3	12.8	17.2	16.7	15.6	15.0	10.6	10.6	8.3	8.3	5.6	5.6
11	13.3	12.8	16.7	16.1	15.0	14.4	11.1	10.6	8.3	7.8	5.6	5.0
12	12.8	12.2	15.6	15.6	15.0	14.4	11.1	11.1	7.8	7.8	5.0	5.0
13	12.8	12.2	15.6	15.6	15.0	14.4	11.1	11.1	7.8	7.8	5.0	5.0
14	12.8	12.8	16.1	15.6	14.4	13.9	11.1	11.1	8.3	7.8	5.0	5.0
15	13.3	12.8	17.2	16.1	13.9	13.3	11.1	11.1	8.3	8.3	5.0	4.4
16	13.9	13.3	17.2	16.7	13.9	13.3	11.1	11.1	8.3	8.3	4.4	4.4
17	14.4	13.9	17.8	17.2	14.4	13.9	11.1	11.1	8.3	8.3	4.4	4.4
18	14.4	14.4	17.8	17.2	13.9	13.3	11.1	11.1	8.3	8.3	4.4	4.4
19	14.4	14.4	17.8	17.2	14.4	13.3	11.1	11.1	8.3	8.3	4.4	4.4
20	14.4	14.4	17.8	17.2	14.4	13.9	11.1	10.6	8.3	7.2	5.0	5.0
21	15.6	14.4	17.2	16.7	15.0	14.4	10.6	10.6	7.2	7.2	5.0	4.4
22	16.7	15.0	17.2	16.7	14.4	14.4	10.6	10.6	7.2	7.2	4.4	4.4
23	17.2	16.7	16.7	16.7	14.4	14.4	10.6	10.6	7.2	7.2	4.4	4.4
24	17.2	15.0	16.7	16.7	14.4	13.9	10.6	10.0	7.2	6.7	4.4	3.9
25	15.0	14.4	16.7	16.1	14.4	14.4	10.0	10.0	6.7	6.1	3.9	3.3
26	14.4	14.4	17.2	16.7	14.4	14.4	10.0	10.0	6.1	6.1	3.3	3.3
27	15.6	14.4	17.2	16.7	14.4	13.9	10.0	10.0	6.1	6.1	3.3	3.3
28	15.6	15.6	16.7	16.7	13.9	12.8	10.0	10.0	6.1	6.1	3.3	3.3
29	15.6	15.0	16.7	16.7	12.8	12.8	10.0	10.0	6.1	5.6	3.3	3.3
30	15.6	15.6	16.7	16.7	12.8	12.2	10.0	10.0	5.6	5.6	3.3	2.8
31	16.7	15.6	16.7	16.1	---	---	10.0	10.0	---	---	2.8	2.8
MONTH	17.2	12.2	18.3	15.6	17.2	12.2	12.2	10.0	10.0	5.6	5.6	2.8
YEAR	18.3	.0										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.8	2.8	2.8	2.2	2.2	1.7	---	---	8.9	8.9	11.1	11.1
2	2.8	2.8	2.2	2.2	2.2	1.7	---	---	9.4	8.9	11.1	10.6
3	2.8	2.8	2.2	2.2	2.2	2.2	---	---	9.4	9.4	10.6	10.6
4	2.8	2.8	2.2	2.2	2.8	2.2	---	---	9.4	9.4	10.6	10.0
5	2.8	2.8	2.2	2.2	2.8	2.2	---	---	9.4	9.4	10.0	10.0
6	2.8	2.8	2.2	2.2	2.2	1.7	---	---	9.4	8.9	10.6	10.0
7	2.8	2.8	2.2	1.7	2.2	1.7	---	---	8.9	8.9	11.1	10.6
8	2.8	2.8	1.7	1.7	1.7	1.7	---	---	8.9	8.9	11.1	11.1
9	2.8	2.8	2.2	1.7	1.7	1.7	5.0	---	9.4	8.9	11.1	11.1
10	2.8	2.8	1.7	.6	2.2	1.7	---	---	9.4	9.4	11.1	11.1
11	3.3	2.8	.6	.6	2.2	1.7	---	---	10.0	9.4	11.1	10.6
12	2.8	2.8	1.1	.6	2.2	2.2	---	---	10.0	10.0	11.7	11.1
13	2.8	2.2	1.7	1.1	2.8	2.2	---	---	10.0	9.4	12.2	11.7
14	2.2	1.7	2.2	1.7	2.2	2.2	---	---	10.0	9.4	12.2	12.2
15	2.2	1.7	2.2	2.2	2.2	2.2	---	---	10.0	10.0	11.7	11.7
16	2.8	2.2	2.2	2.2	2.8	2.2	---	---	10.0	10.0	11.7	11.7
17	2.8	2.8	2.2	2.2	2.2	2.2	---	---	10.0	9.4	11.7	11.7
18	2.8	2.8	2.2	2.2	2.8	2.2	11.7	11.1	9.4	9.4	11.7	11.7
19	2.8	2.8	2.2	1.7	2.8	2.8	11.7	10.6	10.0	9.4	11.7	11.7
20	3.9	2.8	2.2	1.7	2.8	2.8	11.1	10.6	9.4	8.9	11.7	11.7
21	3.9	3.9	2.2	1.7	2.8	2.8	11.1	10.0	8.9	8.9	12.2	11.7
22	3.9	3.3	2.2	1.7	3.3	2.8	10.0	9.4	9.4	8.9	12.2	12.2
23	3.3	3.3	2.2	1.7	3.3	3.3	10.0	9.4	10.0	9.4	12.2	12.2
24	3.3	3.3	1.7	1.7	3.3	3.3	9.4	9.4	10.0	10.0	12.2	12.2
25	3.9	3.3	2.2	1.7	3.3	3.3	9.4	9.4	10.0	9.4	12.8	12.2
26	3.9	3.9	2.8	2.2	3.3	3.3	9.4	9.4	9.4	8.9	12.8	12.8
27	3.9	3.9	2.2	1.7	3.9	3.3	9.4	9.4	8.9	8.9	12.8	12.8
28	3.9	3.3	1.7	1.7	3.9	2.8	9.4	9.4	9.4	8.9	12.8	12.8
29	3.3	2.8	---	---	4.4	2.2	9.4	9.4	10.6	9.4	12.8	12.2
30	2.8	2.8	---	---	3.9	2.2	9.4	8.9	11.1	10.0	12.2	12.2
31	2.8	2.8	---	---	---	1.7	---	---	11.1	11.1	---	---
MONTH	3.9	1.7	2.8	.6	4.4	1.7	11.7	8.9	11.1	8.9	12.8	10.0

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.8	12.2	22.8	21.7	16.1	15.0	12.0	11.5	7.5	7.5	6.0	5.5
2	13.3	12.8	22.8	22.2	15.6	15.6	11.5	11.5	7.5	7.5	5.5	5.5
3	13.9	12.8	22.8	22.2	15.6	15.6	11.5	11.5	8.5	7.5	5.5	5.0
4	15.0	13.9	23.3	22.2	15.6	14.4	11.5	11.5	8.5	8.5	5.5	5.5
5	16.7	15.0	22.8	22.2	15.0	14.4	11.5	11.5	9.0	8.5	5.5	4.0
6	17.2	16.7	22.2	22.2	14.4	13.9	11.5	11.0	9.0	9.0	4.0	3.5
7	18.9	17.2	22.2	21.7	14.4	14.4	11.0	11.0	9.0	8.5	3.5	2.5
8	20.0	18.9	21.7	21.1	15.0	14.4	11.0	10.5	8.5	7.5	2.5	2.5
9	20.6	19.4	21.1	20.6	15.0	14.4	10.5	10.5	7.5	7.5	2.5	2.5
10	21.1	20.0	21.1	20.6	15.0	14.4	10.0	9.5	7.5	7.0	4.0	2.5
11	21.7	20.6	21.1	20.6	15.0	14.4	9.5	9.5	7.0	7.0	4.5	4.0
12	21.1	21.1	21.1	20.6	15.0	13.9	9.5	9.5	7.0	7.0	4.5	4.5
13	21.1	21.1	21.7	20.6	13.9	12.8	9.5	9.5	7.0	6.0	4.5	4.5
14	22.8	21.1	22.2	21.1	13.3	12.8	9.5	9.5	6.0	6.0	4.5	4.5
15	21.7	21.7	22.2	21.1	13.3	13.3	10.0	9.5	6.0	6.0	4.5	4.5
16	21.7	21.7	21.7	21.1	13.3	13.3	10.0	10.0	6.5	6.0	4.5	4.5
17	21.7	21.1	21.1	20.6	13.9	13.3	10.0	10.0	6.5	6.5	4.5	4.5
18	20.6	20.6	20.6	20.6	14.4	13.9	10.0	10.0	6.5	6.0	4.5	4.5
19	20.6	20.0	21.1	20.6	13.9	13.3	10.0	9.5	6.0	6.0	4.5	4.5
20	20.6	20.6	21.1	20.6	13.3	12.8	9.5	9.5	6.0	6.0	4.5	4.5
21	21.1	20.0	21.1	20.6	12.8	12.8	9.5	9.5	6.0	6.0	4.5	4.5
22	21.1	20.0	21.1	20.6	12.8	12.2	9.5	9.5	6.0	6.0	4.5	4.5
23	21.1	20.0	20.6	20.0	12.8	12.2	9.5	9.0	6.0	6.0	4.5	4.0
24	21.7	20.0	20.0	18.3	12.8	12.8	9.0	9.0	6.5	6.0	4.0	4.0
25	22.2	20.6	18.3	17.2	12.8	12.8	9.0	8.5	6.5	6.5	5.0	4.0
26	21.7	21.1	17.2	16.7	12.8	12.8	8.5	7.5	7.0	6.5	5.0	5.0
27	23.3	21.7	17.2	16.1	12.8	12.8	7.5	7.0	6.5	6.5	5.0	5.0
28	22.8	21.7	17.2	16.7	12.8	12.8	7.0	7.0	6.5	6.5	5.0	5.0
29	22.2	21.7	17.2	17.2	12.8	12.8	7.5	7.0	6.5	6.0	5.0	5.0
30	22.2	21.7	17.2	16.1	12.8	12.2	7.5	7.5	6.0	6.0	5.0	5.0
31	22.2	21.7	16.1	15.6	---	---	7.5	7.5	---	---	5.0	5.0
MONTH	23.3	12.2	23.3	15.6	16.1	12.2	12.0	7.0	9.0	6.0	6.0	2.5
YEAR	23.3	.6										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	1	5.0	4.5	4.0	4.0	4.0	3.5	6.0	5.5	10.0	9.5	12.0
2	5.0	4.5	4.0	3.5	3.5	3.5	6.0	6.0	10.0	9.5	12.0	12.0
3	4.5	4.0	3.5	3.5	3.5	3.5	6.0	6.0	10.5	10.0	12.0	12.0
4	4.0	4.0	4.0	4.0	3.5	2.0	6.0	6.0	10.5	10.5	12.0	12.0
5	4.0	4.0	4.0	3.5	2.5	2.0	6.0	6.0	10.5	10.5	12.0	12.0
6	4.0	4.0	3.5	2.5	2.5	2.5	6.5	6.0	10.5	10.0	12.0	12.0
7	4.0	4.0	2.5	2.5	2.5	2.5	7.0	6.5	10.0	10.0	12.0	12.0
8	4.0	4.0	2.5	2.5	3.5	2.5	7.0	7.0	10.0	10.0	12.5	12.0
9	4.0	4.0	3.5	2.5	3.5	3.5	7.5	7.0	10.5	10.0	13.5	12.5
10	4.5	4.5	3.5	3.5	3.5	3.5	7.5	7.5	10.5	10.5	13.5	13.5
11	4.5	4.5	3.5	3.5	3.5	3.5	8.5	7.5	10.5	10.5	14.0	13.5
12	4.5	4.5	3.5	3.5	3.5	3.5	7.5	7.5	10.5	10.0	14.0	14.0
13	4.5	4.5	3.5	3.5	3.5	3.5	7.5	7.5	10.0	10.0	14.0	13.5
14	4.5	4.5	4.0	4.0	3.5	3.5	7.5	7.5	10.0	10.0	13.5	13.5
15	4.5	4.5	4.0	4.0	3.5	3.5	7.5	7.0	10.5	10.0	13.5	13.5
16	4.5	4.0	4.5	4.0	4.0	3.5	7.0	7.0	10.5	10.5	13.5	13.5
17	4.5	4.5	4.5	4.5	4.0	4.0	7.0	7.0	10.5	10.5	13.5	13.5
18	4.5	4.5	4.5	4.0	4.0	4.0	7.0	7.0	11.0	10.5	14.0	13.5
19	4.5	4.5	4.0	4.0	4.5	4.0	7.0	7.0	11.5	11.0	14.0	14.0
20	4.5	4.5	4.0	4.0	4.5	4.5	7.0	7.0	11.5	11.5	14.0	14.0
21	4.5	4.0	4.0	3.5	4.5	4.5	7.5	7.0	11.5	11.5	14.5	14.0
22	4.0	4.0	3.5	3.5	5.0	5.0	7.5	7.5	11.5	11.5	14.5	14.5
23	4.0	4.0	3.5	3.5	5.0	4.5	8.5	7.5	11.5	11.5	14.5	14.5
24	4.0	4.0	3.5	3.5	4.5	4.5	8.5	8.5	11.5	11.5	14.5	14.5
25	4.0	4.0	3.5	3.5	4.5	4.5	8.5	8.5	12.0	11.5	14.5	14.5
26	4.0	4.0	3.5	3.5	5.0	4.5	8.5	8.5	12.0	12.0	14.5	14.0
27	3.5	3.5	3.5	3.5	5.0	5.0	9.0	8.5	12.0	12.0	14.0	14.0
28	3.5	3.5	3.5	3.5	5.5	5.0	9.0	9.0	12.0	11.5	14.5	14.0
29	4.0	3.5	3.5	3.5	5.5	5.0	9.5	9.0	11.5	11.5	14.5	14.5
30	4.0	4.0	---	---	5.5	5.0	10.0	9.5	12.0	11.5	14.5	14.5
31	4.0	4.0	---	---	5.5	5.5	---	---	12.0	12.0	---	---
MONTH	5.0	3.5	4.5	2.5	5.5	2.0	10.0	5.5	12.0	9.5	14.5	12.0

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	1	15.5	14.5	14.5	14.0	14.5	14.5	14.5	14.5	11.5	11.5	8.0
2	16.0	15.5	14.0	13.5	15.0	14.5	14.5	14.5	11.5	11.5	8.0	8.0
3	16.0	16.0	14.0	13.5	15.0	15.0	14.5	14.0	11.5	11.5	8.0	8.0
4	16.0	16.0	14.0	14.0	15.0	15.0	14.0	14.0	11.5	11.0	8.0	8.0
5	16.0	16.0	14.0	14.0	15.0	15.0	14.0	13.5	11.0	11.0	8.0	7.0
6	16.0	16.0	14.0	14.0	15.0	15.0	13.5	13.0	11.0	11.0	7.0	7.0
7	16.0	16.0	14.0	14.0	15.0	15.0	13.0	13.0	11.0	11.0	7.0	7.0
8	16.0	16.0	14.0	14.0	15.0	15.0	13.0	13.0	11.0	11.0	7.0	6.5
9	16.0	15.5	14.0	13.5	15.0	14.5	13.0	12.0	11.0	10.5	6.5	6.5
10	15.5	14.5	13.5	12.5	14.5	14.0	12.0	12.0	10.5	10.5	6.5	6.5
11	14.5	14.0	12.5	12.5	14.0	14.0	12.0	12.0	10.5	10.5	6.5	6.5
12	14.0	14.0	13.5	12.5	14.0	14.0	12.0	12.0	10.5	10.5	7.0	7.0
13	14.0	14.0	13.5	13.5	14.0	14.0	12.0	12.0	10.5	10.0	7.0	7.0
14	14.0	14.0	13.5	13.5	14.0	14.0	12.0	12.0	10.0	10.0	7.0	7.0
15	14.0	14.0	13.5	13.5	14.5	14.0	12.0	12.0	10.0	10.0	7.0	6.5
16	14.0	14.0	13.5	13.5	14.5	14.5	12.0	12.0	10.0	9.5	6.5	6.5
17	14.5	14.0	13.5	12.5	14.5	14.5	12.0	12.0	9.5	9.0	6.5	6.5
18	14.5	14.5	12.5	12.5	14.5	14.5	12.0	12.0	9.0	8.5	6.5	6.5
19	14.5	14.0	12.5	12.5	14.5	14.5	12.0	12.0	9.0	8.5	6.5	6.5
20	14.0	14.0	12.5	12.5	14.5	14.5	12.0	11.5	9.0	9.0	6.5	6.5
21	14.0	14.0	12.5	12.5	14.5	14.5	11.5	11.5	9.0	9.0	6.5	6.5
22	14.0	14.0	12.5	12.5	14.5	14.5	11.5	11.5	9.0	9.0	6.5	6.5
23	14.0	14.0	14.0	12.5	14.5	14.5	11.5	11.5	9.0	8.5	6.5	6.0
24	14.0	14.0	14.0	14.0	14.5	14.5	11.5	11.5	8.5	8.0	6.0	6.0
25	14.5	14.0	14.5	14.0	14.5	14.5	11.5	11.0	8.0	8.0	6.0	6.0
26	15.0	14.5	14.5	14.5	14.5	14.5	11.0	11.0	8.0	8.0	6.0	6.0
27	15.0	15.0	14.5	14.5	14.5	14.5	11.5	11.0	8.0	8.0	6.0	6.0
28	15.0	15.0	14.5	14.5	14.5	14.5	11.5	11.5	8.0	8.0	6.0	6.0
29	15.0	15.0	14.5	14.0	14.5	14.5	11.5	11.5	8.0	7.0	6.0	6.0
30	15.0	15.0	14.0	14.0	14.5	14.5	11.5	11.5	7.0	6.5	6.0	6.0
31	15.0	14.5	14.5	14.0	---	---	11.5	11.5	---	---	6.0	6.0
MONTH	16.0	14.0	14.5	12.5	15.0	14.0	14.5	11.0	11.5	6.5	8.0	6.0
YEAR	16.0	2.0										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.0	6.0	2.0	2.0	5.5	5.5	8.0	8.0	11.0	11.0	12.0	11.5
2	6.0	5.5	2.0	1.5	6.0	6.0	8.5	8.0	11.0	10.5	13.0	12.0
3	5.5	5.0	1.5	1.5	6.0	5.5	8.5	8.0	11.5	10.5	13.0	13.0
4	5.0	5.0	1.5	1.0	5.5	5.5	8.0	8.0	11.5	10.5	13.0	13.0
5	5.0	5.0	2.0	1.5	6.0	5.5	10.0	8.0	10.5	10.0	14.0	13.0
6	5.0	5.0	2.0	2.0	6.0	6.0	9.0	8.5	10.0	10.0	15.0	13.5
7	5.0	5.0	2.0	2.0	6.5	6.5	9.5	9.0	10.0	9.5	15.0	14.5
8	5.0	5.0	3.0	2.0	6.5	6.5	9.5	9.5	10.0	9.5	15.0	15.0
9	5.0	5.0	3.0	3.0	6.5	6.5	10.0	9.5	10.0	10.0	15.5	15.0
10	5.0	5.0	3.5	3.5	6.5	6.5	---	---	10.0	10.0	16.5	15.0
11	5.0	5.0	3.5	3.5	6.5	6.5	---	---	11.0	10.0	16.5	16.0
12	5.0	5.0	3.5	3.5	6.5	6.0	---	---	12.0	11.0	16.5	16.5
13	5.0	5.0	3.5	3.5	6.0	6.0	10.5	10.0	13.0	12.0	17.0	16.5
14	4.5	4.5	4.0	3.5	6.0	6.0	10.5	10.0	13.0	12.0	18.5	17.0
15	4.5	4.5	4.5	4.5	6.0	6.0	10.0	10.0	12.0	11.0	18.0	17.0
16	4.5	4.5	4.5	4.5	6.0	6.0	10.0	9.0	11.5	11.0	17.0	17.0
17	4.5	4.5	4.5	4.5	6.5	6.0	---	---	12.0	11.5	18.0	16.5
18	4.5	4.5	4.5	4.5	6.5	6.5	---	---	11.5	11.5	18.0	16.5
19	4.5	4.5	4.5	4.5	7.0	6.5	---	---	11.5	11.5	18.5	17.0
20	4.5	4.0	5.0	5.0	7.0	7.0	---	---	11.5	11.5	18.0	17.0
21	4.5	4.0	5.0	5.0	7.0	7.0	---	---	11.5	11.5	18.5	18.0
22	4.5	4.5	5.0	5.0	7.0	7.0	---	---	11.5	11.5	19.0	18.0
23	4.0	4.0	5.5	5.0	7.0	7.0	---	---	11.5	11.5	19.5	18.5
24	4.0	4.0	5.5	5.0	7.0	7.0	---	---	12.0	11.5	20.0	19.0
25	4.0	3.5	5.5	5.5	7.0	7.0	---	---	13.0	12.0	20.5	19.0
26	3.5	3.0	5.5	5.5	7.0	7.0	12.0	11.5	12.0	12.0	20.5	20.0
27	3.0	3.0	5.5	5.5	7.0	7.0	13.5	12.0	12.0	11.5	21.0	20.0
28	3.0	3.0	5.5	5.5	---	---	12.0	11.5	11.5	11.5	20.5	20.0
29	2.0	2.0	---	---	7.0	7.0	11.5	11.0	11.5	11.0	20.0	20.0
30	2.0	2.0	---	---	8.0	8.0	11.0	11.0	12.0	11.0	20.0	20.0
31	2.0	2.0	---	---	8.0	8.0	---	---	12.0	11.5	---	---
MONTH	6.0	2.0	5.5	1.0	8.0	5.5	13.5	8.0	13.0	9.5	21.0	11.5

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20.0	19.5	20.0	19.0	16.0	15.5	11.0	10.5	7.0	7.0	5.5	5.5
2	19.5	18.5	20.0	19.5	16.0	15.5	11.0	11.0	7.0	7.0	5.5	5.5
3	18.5	17.0	19.5	19.5	16.0	15.5	11.0	11.0	7.0	7.0	5.5	5.0
4	17.0	16.5	20.0	19.5	15.5	15.5	11.0	10.5	8.0	7.0	5.5	5.0
5	16.5	16.5	20.5	20.0	16.0	15.5	10.5	10.5	8.0	7.0	5.5	5.5
6	16.5	16.0	20.5	20.0	16.0	15.5	10.5	10.0	8.0	7.0	5.5	5.5
7	17.0	16.5	20.0	20.0	15.5	15.5	10.0	10.0	8.0	8.0	5.5	5.0
8	16.5	16.5	20.5	20.0	15.5	15.0	10.0	9.5	8.0	8.0	5.0	4.0
9	17.0	16.5	20.5	20.5	16.0	15.0	9.5	9.5	8.0	8.0	4.0	3.5
10	17.0	16.5	21.0	20.5	16.0	15.5	10.0	9.5	8.0	8.0	4.0	3.5
11	16.5	16.5	21.0	20.5	16.5	16.0	10.0	10.0	8.0	7.0	3.5	3.0
12	16.5	16.5	21.5	20.5	16.5	16.0	10.0	9.5	8.0	7.0	3.5	3.0
13	16.5	16.5	21.5	21.0	16.5	16.0	10.0	9.5	8.0	8.0	3.5	3.5
14	17.0	16.5	21.5	21.0	16.0	15.5	9.5	9.5	8.0	8.0	4.0	3.5
15	17.0	16.5	21.5	20.5	15.5	15.5	9.5	9.5	8.0	8.0	4.0	4.0
16	18.0	17.0	21.0	20.5	15.5	15.0	10.0	9.5	7.0	7.0	4.0	4.0
17	18.5	18.0	21.0	20.5	15.0	15.0	10.0	10.0	7.0	6.5	4.5	4.0
18	18.5	18.0	21.0	20.5	15.0	14.0	10.0	9.5	6.5	6.5	4.5	4.0
19	19.0	18.5	21.0	20.5	14.5	14.0	9.5	9.5	6.5	6.0	4.5	4.5
20	19.0	18.5	20.5	20.0	14.0	13.5	9.5	9.0	6.5	6.5	4.5	4.0
21	19.0	18.5	20.5	20.0	14.0	13.5	9.0	9.0	6.5	6.0	4.0	4.0
22	18.5	18.0	20.5	20.0	13.5	13.0	9.0	8.5	6.0	5.5	4.0	4.0
23	18.5	18.0	20.5	19.5	13.0	13.0	8.5	8.0	5.5	5.5	4.0	3.5
24	19.0	18.5	19.5	19.5	13.0	13.0	8.0	8.0	5.5	5.5	3.5	3.0
25	19.5	19.0	19.5	19.0	13.0	13.0	8.0	8.0	5.5	5.5	3.0	2.0
26	19.5	19.5	19.0	19.0	13.0	13.0	8.0	7.0	6.0	5.5	2.0	1.5
27	19.5	19.0	19.0	18.5	13.0	12.0	7.0	7.0	6.0	6.0	1.5	1.5
28	19.0	19.0	18.0	17.0	12.0	11.5	7.0	7.0	6.0	6.0	1.5	1.5
29	19.0	19.0	17.0	16.5	11.5	11.0	7.0	7.0	6.0	6.0	1.5	1.0
30	19.5	19.0	16.5	16.0	11.0	10.5	7.0	7.0	6.0	5.5	2.0	1.5
31	19.0	19.0	16.0	16.0	---	---	7.0	6.5	---	---	3.0	2.0
MONTH	20.0	16.0	21.5	16.0	16.5	10.5	11.0	6.5	8.0	5.5	5.5	1.0
YEAR	21.5	1.0										

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	3.5	3.0	3.5	3.5	4.5	4.5	6.5	6.5	9.5	9.5	11.0	11.0
2	3.5	3.0	3.5	3.0	4.5	4.5	6.5	6.5	9.5	9.5	11.0	11.0
3	3.0	3.0	3.0	2.0	4.5	3.5	6.5	6.0	9.5	9.5	11.0	11.0
4	3.0	1.5	2.0	2.0	3.5	3.5	6.5	6.0	9.5	9.5	11.5	11.0
5	1.5	1.0	2.0	2.0	4.0	3.5	6.0	6.0	9.5	9.5	13.5	11.5
6	2.0	1.0	3.5	2.0	4.0	3.5	6.5	6.0	9.5	9.0	13.5	13.5
7	3.0	2.0	3.5	3.5	4.5	3.5	6.5	6.5	9.0	9.0	13.5	13.5
8	3.0	3.0	4.0	3.5	4.0	3.0	6.5	6.5	9.0	9.0	13.5	13.5
9	3.5	3.0	4.0	4.0	4.0	3.5	7.0	6.5	9.5	9.0	13.5	13.5
10	3.5	3.5	4.0	4.0	4.5	3.5	7.0	7.0	9.5	9.5	14.0	13.5
11	3.5	3.0	4.0	4.0	5.0	4.0	7.0	7.0	10.0	9.5	14.0	14.0
12	3.0	3.0	4.0	4.0	5.5	4.5	7.0	7.0	10.0	10.0	14.0	13.5
13	3.5	3.0	4.5	4.0	5.5	5.0	8.0	7.0	10.0	9.5	13.5	13.0
14	3.0	3.0	4.0	4.0	5.5	5.0	8.5	8.5	9.5	9.5	13.0	13.0
15	3.0	3.0	4.0	3.5	6.0	5.0	9.0	8.5	9.5	9.5	13.0	13.0
16	3.0	3.0	3.5	3.0	---	---	8.5	8.5	10.0	10.0	13.0	13.0
17	3.0	3.0	3.5	3.5	---	---	8.5	8.0	10.0	10.0	13.0	13.0
18	3.0	3.0	5.0	4.5	---	---	9.5	8.0	10.0	10.0	13.0	13.0
19	3.0	3.0	4.5	4.0	---	---	11.0	8.5	10.0	10.0	13.0	13.0
20	3.5	3.0	5.0	4.5	---	---	10.5	9.5	10.5	10.0	13.5	13.0
21	3.0	3.0	4.5	4.5	---	---	9.5	9.5	11.5	10.5	14.0	13.5
22	3.0	3.0	4.5	4.5	---	---	10.0	9.0	11.5	11.5	14.5	14.0
23	3.5	3.5	5.0	4.5	---	---	10.0	9.5	11.5	11.5	15.0	14.5
24	3.5	3.0	5.0	4.5	---	---	10.5	9.5	11.5	11.5	15.5	15.5
25	3.0	3.0	4.5	4.5	6.5	6.5	10.0	9.5	11.5	11.0	16.5	16.0
26	3.0	3.0	5.0	4.5	7.0	6.5	10.0	9.5	11.0	10.5	16.5	16.5
27	3.5	3.5	5.0	4.5	6.5	6.5	9.5	9.5	10.5	10.5	17.0	17.0
28	4.0	3.5	4.5	4.5	7.0	6.5	9.5	9.5	10.5	10.5	17.0	17.0
29	4.0	4.0	---	---	6.5	6.5	10.0	9.5	10.5	10.5	17.0	17.0
30	4.0	4.0	---	---	6.5	6.5	10.0	9.5	10.5	10.5	18.0	17.0
31	4.0	3.5	---	---	6.5	6.5	---	---	11.0	10.5	---	---
MONTH	4.0	1.0	5.0	2.0	7.0	3.0	11.0	6.0	11.5	9.0	18.0	11.0

TABLE 111. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	18.0	20.0	19.5	18.0	18.0	13.0	13.0	9.0	9.0	5.0	5.0
2	18.5	18.5	19.5	19.5	18.0	17.0	13.0	13.0	9.0	8.5	5.0	5.0
3	18.5	18.0	19.5	19.5	17.0	17.0	13.0	13.0	8.5	8.0	5.0	5.0
4	18.0	18.0	19.5	19.5	17.0	17.0	13.0	13.0	8.0	8.0	5.0	4.5
5	18.0	18.0	20.0	19.5	18.0	17.0	13.0	12.0	8.0	8.0	4.5	4.5
6	18.0	18.0	20.5	20.0	18.0	18.0	12.0	12.0	8.0	8.0	4.5	4.5
7	18.0	17.0	20.5	20.5	18.0	17.0	12.0	12.0	8.0	7.0	4.5	4.5
8	18.0	17.0	20.5	20.5	18.0	18.0	12.0	12.0	7.0	7.0	4.5	4.0
9	18.0	18.0	20.5	20.5	18.0	17.0	12.0	11.5	7.0	7.0	4.0	4.0
10	18.0	18.0	20.5	20.0	17.0	16.5	11.5	11.5	7.0	7.0	4.0	4.0
11	18.5	18.0	20.0	20.0	16.5	16.5	11.5	11.5	7.0	6.5	4.0	4.0
12	18.5	18.5	20.0	19.5	16.5	16.0	11.5	11.5	6.5	6.0	4.0	4.0
13	18.5	18.5	19.5	19.0	16.0	16.0	11.5	11.5	6.0	6.0	4.0	4.0
14	18.5	18.0	19.0	19.0	16.0	16.0	11.5	11.5	6.0	6.0	4.0	4.0
15	18.5	18.0	19.0	19.0	16.0	15.5	11.5	11.0	6.0	6.0	4.0	4.0
16	18.5	18.5	19.0	18.5	15.5	15.5	11.0	10.5	6.0	5.5	4.0	4.0
17	18.5	18.5	18.5	18.0	15.5	15.0	10.5	10.5	5.5	5.0	4.0	4.0
18	18.5	18.5	18.5	18.0	15.0	14.5	10.5	10.5	5.0	5.0	4.0	4.0
19	18.5	18.5	18.0	18.0	14.5	14.5	10.5	10.5	5.0	5.0	4.0	4.0
20	18.5	18.5	18.0	18.0	14.5	14.5	10.5	10.5	5.0	5.0	4.0	4.0
21	18.5	18.5	18.0	18.0	14.5	14.0	10.5	10.0	5.0	4.5	4.0	4.0
22	18.5	18.5	18.0	18.0	14.0	13.5	10.0	10.0	4.5	4.5	4.0	4.0
23	19.0	18.5	18.0	18.0	13.5	13.5	10.0	10.0	4.5	4.5	4.0	4.0
24	19.5	19.0	18.0	18.0	13.0	13.0	10.0	10.0	4.5	4.5	4.0	4.0
25	19.5	19.5	18.0	18.0	13.0	13.0	10.0	9.5	4.5	4.5	4.0	4.0
26	20.5	19.5	18.0	18.0	13.0	13.0	9.5	9.0	4.5	4.5	4.0	4.0
27	21.0	20.5	18.0	18.0	13.0	13.0	9.0	9.0	4.5	4.5	4.5	4.5
28	21.0	21.0	18.0	18.0	13.5	13.0	9.0	9.0	4.5	4.5	4.0	4.0
29	21.0	20.5	18.0	18.0	13.5	13.5	9.0	9.0	5.0	4.5	4.0	4.0
30	20.5	20.5	18.0	18.0	13.5	13.0	9.0	9.0	5.0	4.5	4.0	3.5
31	20.5	20.0	18.0	18.0	---	---	9.0	9.0	---	---	3.5	3.0
MONTH	21.0	17.0	20.5	18.0	18.0	13.0	13.0	9.0	9.0	4.5	5.0	3.0
YEAR	21.0	1.0										



TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	13.0	20.5	15.5	18.5	13.0	12.0	8.5	4.0	3.0	1.5	.5
2	14.0	11.5	19.0	16.5	18.0	12.5	13.0	9.5	4.5	4.0	2.0	.5
3	15.5	11.0	20.0	15.0	18.5	13.0	13.0	9.5	5.5	4.5	.5	.5
4	16.5	12.0	21.0	15.0	18.5	13.0	12.5	9.5	6.0	5.0	.5	.5
5	18.0	13.5	21.0	16.0	16.5	14.0	10.5	7.5	6.0	5.5	.5	.0
6	18.0	15.0	22.0	16.5	15.0	14.0	9.5	6.0	5.5	4.0	.0	.0
7	19.0	16.0	23.0	17.0	16.0	12.0	10.0	6.5	4.5	4.0	.0	.0
8	18.0	15.0	24.0	18.0	16.0	12.0	11.0	7.0	5.0	4.0	.0	.0
9	16.5	15.0	23.5	18.0	17.0	14.0	11.5	8.5	4.5	3.0	.0	.0
10	15.0	12.0	23.0	17.5	16.0	11.0	11.0	6.5	4.0	3.0	.0	.0
11	15.0	13.5	22.0	16.5	15.0	10.5	7.5	5.5	4.5	4.0	.0	.0
12	15.0	13.5	22.0	18.0	14.0	13.0	7.0	6.5	4.0	3.0	.0	.0
13	17.5	14.0	21.0	17.0	16.0	12.0	7.0	6.5	3.0	2.0	.0	.0
14	17.5	14.0	21.0	16.0	17.0	12.0	8.5	6.0	3.0	2.5	.0	.0
15	18.0	14.0	20.0	17.0	16.0	12.5	8.5	6.0	3.0	3.0	.0	.0
16	18.0	14.0	20.5	16.0	15.0	13.0	8.5	6.0	4.0	3.0	.0	.0
17	18.0	14.0	18.5	16.0	15.0	12.0	8.0	7.0	4.0	4.0	.0	.0
18	17.0	13.5	20.0	14.0	16.0	12.0	8.0	6.5	4.0	3.5	.0	.0
19	13.5	12.0	20.0	16.0	15.5	13.5	7.5	6.5	3.5	3.0	.0	.0
20	13.0	11.5	22.0	16.5	13.5	11.0	7.5	7.0	3.0	3.0	.0	.0
21	13.0	11.0	21.0	16.5	13.0	11.5	8.0	6.5	3.0	3.0	.0	.0
22	15.0	12.5	19.0	16.0	12.0	10.5	7.5	6.0	3.0	2.5	.0	.0
23	17.5	13.0	18.0	14.5	11.0	10.0	7.5	6.5	2.5	2.0	.0	.0
24	16.0	14.0	20.5	14.5	11.0	9.5	7.0	6.0	2.5	2.0	.0	.0
25	19.5	13.0	21.0	16.0	11.0	9.0	7.0	5.5	2.5	1.5	.0	.0
26	20.0	15.0	22.0	16.0	10.5	8.5	6.5	6.0	2.5	1.5	.5	.0
27	20.5	15.5	22.0	16.5	10.0	8.5	6.0	5.5	2.0	.5	1.0	.5
28	21.0	15.5	22.5	17.0	9.0	8.0	5.5	5.0	.5	.5	1.5	1.0
29	21.0	16.0	22.0	16.5	9.5	6.5	5.0	4.0	.5	.5	1.5	.5
30	22.0	16.0	20.5	16.0	11.5	7.0	4.0	2.5	.5	.5	.5	.0
31	20.0	17.5	19.0	14.0	---	---	3.5	2.5	---	---	.0	.0
MONTH	22.0	11.0	24.0	14.0	18.5	6.5	13.0	2.5	6.0	.5	2.0	.0
YEAR	24.0	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	3.0	2.5	6.0	3.5	8.0	4.0	14.0	11.0
2	0	0	.0	.0	3.0	2.0	6.0	3.5	9.5	6.0	13.0	10.5
3	0	0	.0	.0	3.0	1.5	8.0	4.0	9.5	7.5	12.5	9.0
4	0	0	.0	.0	3.0	2.0	9.0	5.0	9.5	8.0	14.0	9.0
5	0	0	.0	.0	3.0	2.0	8.0	6.0	11.0	7.5	14.5	11.5
6	0	0	.0	.0	4.0	1.5	6.0	4.5	10.5	8.5	14.5	12.0
7	0	0	.0	.0	5.0	3.0	6.5	2.0	10.0	8.0	15.0	13.0
8	0	0	.0	.0	5.0	2.0	7.5	3.0	9.5	8.5	13.5	11.0
9	0	0	.0	.0	5.0	3.0	8.5	5.0	9.0	6.5	12.0	10.0
10	0	0	.0	.0	4.0	3.0	10.5	5.5	9.0	7.5	13.0	9.5
11	0	0	.0	.0	3.5	2.5	9.5	6.5	11.0	7.0	14.5	10.0
12	0	0	.0	.0	3.0	2.5	9.5	7.0	12.0	7.5	14.0	11.5
13	0	0	.0	.0	5.0	3.0	9.5	6.5	13.5	9.0	15.0	12.5
14	0	0	.0	.0	4.5	3.5	8.5	6.0	13.5	10.0	14.0	12.0
15	0	0	.0	.0	4.5	3.0	7.5	4.5	14.0	11.0	12.5	10.5
16	0	0	.0	.0	5.0	2.5	7.5	5.5	14.0	11.0	12.0	9.5
17	0	0	.5	.0	6.0	4.0	8.0	5.5	13.0	10.0	13.5	10.0
18	0	0	1.0	.0	5.0	2.5	7.5	5.5	13.0	10.0	12.5	9.5
19	0	0	1.0	.0	4.5	2.0	8.5	4.5	13.0	10.0	15.0	9.5
20	0	0	1.5	.0	5.5	3.0	9.0	6.5	13.0	9.5	18.0	12.0
21	0	0	1.0	.0	7.0	4.5	11.0	6.5	12.0	8.0	20.0	14.0
22	0	0	1.5	.5	6.0	4.5	12.0	9.0	13.0	9.5	21.0	15.5
23	0	0	2.0	.5	7.0	5.0	11.0	8.0	13.0	11.0	20.0	16.5
24	0	0	2.0	.5	7.0	3.0	8.5	7.0	13.0	11.0	18.5	15.5
25	0	0	2.0	1.0	7.0	3.5	10.0	7.0	11.0	10.0	17.0	15.0
26	0	0	2.5	1.0	6.0	4.5	10.0	7.0	10.0	8.0	19.0	15.0
27	0	0	2.5	1.0	5.0	3.0	10.0	7.5	12.0	8.0	20.0	15.5
28	0	0	3.0	1.0	5.0	3.0	8.5	7.0	15.0	11.0	21.0	16.0
29	0	0	---	---	6.0	3.0	8.0	5.5	15.5	10.5	20.5	16.0
30	0	0	---	---	5.0	3.0	7.5	5.5	16.0	12.0	19.0	14.5
31	0	0	---	---	5.0	3.0	---	---	15.5	14.0	---	---
MONTH	0	0	3.0	.0	7.0	1.5	12.0	2.0	16.0	4.0	21.0	9.0

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	14.0	25.0	17.0	16.5	12.5	13.5	9.5	6.0	5.0	4.0	3.5
2	18.0	12.0	25.0	17.0	18.0	11.0	11.0	8.0	5.0	2.0	4.0	3.5
3	21.0	14.0	25.0	17.0	18.5	12.5	10.0	6.0	2.5	1.0	4.0	3.0
4	22.0	16.0	24.5	17.0	20.0	12.5	10.0	6.0	2.0	1.0	3.5	2.5
5	21.5	16.0	21.0	18.0	20.5	13.5	10.0	6.0	1.0	1.0	2.5	1.5
6	18.0	15.0	19.5	15.0	21.0	14.0	9.5	7.5	1.0	1.0	2.0	1.0
7	19.5	13.0	22.0	14.0	19.5	16.5	9.5	8.0	1.0	1.0	2.5	2.0
8	21.0	14.0	21.0	15.0	20.5	15.0	9.0	6.0	2.0	1.0	2.5	1.5
9	22.0	15.0	24.0	15.0	20.0	14.0	8.0	4.5	2.5	1.5	1.5	1.0
10	23.5	15.5	24.0	18.0	21.0	14.0	7.0	4.5	4.0	2.5	1.0	1.0
11	21.5	16.0	25.0	18.0	21.0	14.5	6.5	5.0	4.0	4.0	1.5	1.0
12	21.5	14.5	25.0	17.0	19.0	14.0	8.0	6.5	4.5	4.0	3.0	1.5
13	23.0	15.3	22.0	17.5	17.5	12.5	8.0	7.5	4.5	4.0	4.0	3.0
14	24.0	16.0	23.5	16.0	14.0	10.0	10.5	7.0	4.5	4.0	3.0	3.0
15	24.0	16.5	23.0	16.0	13.5	8.0	10.0	8.0	4.0	3.0	3.5	3.0
16	24.0	17.0	21.5	15.0	14.0	8.0	10.5	7.0	4.0	3.0	4.0	3.0
17	23.5	17.5	21.5	15.0	14.0	8.0	10.0	6.5	4.0	3.0	4.0	3.5
18	24.0	16.0	20.5	13.0	13.5	11.0	10.0	6.5	3.0	2.0	3.5	3.0
19	25.0	17.0	20.5	12.5	13.5	12.0	8.5	6.5	3.0	2.0	3.0	3.0
20	23.0	18.0	22.0	14.0	14.0	12.0	8.0	7.0	2.5	2.0	3.0	2.5
21	21.5	17.5	21.0	14.5	14.0	12.0	9.0	7.5	2.5	2.0	3.5	2.5
22	21.0	15.5	21.0	16.0	13.0	11.0	10.5	8.5	2.5	2.0	4.0	3.5
23	22.0	15.0	22.0	15.5	14.0	12.0	9.5	9.0	2.5	1.0	4.0	3.5
24	22.0	14.0	19.5	16.0	13.0	11.0	9.0	8.0	2.0	1.5	3.5	2.5
25	21.5	15.5	19.5	12.5	13.0	10.0	8.5	7.5	2.0	1.5	2.5	2.0
26	22.0	17.0	20.0	13.0	12.5	9.0	8.0	5.5	2.5	2.0	2.0	1.0
27	23.0	16.0	19.0	14.0	14.0	9.0	7.0	5.5	2.0	1.5	2.0	1.5
28	24.0	17.0	18.5	13.5	15.0	10.0	7.0	6.0	4.0	2.0	2.0	1.5
29	24.0	16.5	19.0	14.5	14.5	9.5	7.5	6.0	4.0	3.5	1.5	1.0
30	24.0	17.0	19.0	14.0	13.5	10.5	7.5	6.5	4.0	3.5	1.0	.5
31	24.0	16.0	17.0	14.5	---	---	7.0	6.0	---	---	.5	.5
MONTH	25.0	12.0	25.0	12.5	21.0	8.0	13.5	4.5	6.0	1.0	4.0	.5
YEAR	25.0	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.5	.0	2.5	.5	3.5	2.5	4.0	3.0	7.5	6.5	10.5	8.0
2	.0	.0	2.5	2.0	4.0	3.0	4.5	3.5	7.0	5.0	11.0	9.0
3	.0	.0	2.5	2.5	4.0	2.0	5.0	4.0	8.0	5.5	11.0	9.0
4	.0	.0	3.0	2.5	3.0	2.0	5.0	4.0	9.0	6.0	10.0	8.0
5	.0	.0	3.0	2.5	3.5	3.0	5.0	4.0	9.0	7.0	9.5	7.5
6	.0	.0	3.0	2.0	3.5	1.5	6.5	5.0	9.0	7.5	9.5	8.0
7	.0	.0	2.0	1.0	2.0	.5	6.0	4.5	8.5	7.0	9.0	8.0
8	.0	.0	2.0	1.5	3.0	1.0	5.0	4.0	8.5	6.0	10.0	8.0
9	.0	.0	2.0	1.0	3.5	.5	5.5	5.0	8.5	6.0	11.0	8.0
10	.0	.0	2.5	1.0	4.0	1.5	6.0	5.0	8.0	6.5	11.5	8.5
11	.0	.0	2.5	1.0	4.5	3.0	6.0	5.0	7.5	6.0	12.0	9.0
12	.0	.0	2.5	1.0	5.0	3.0	5.5	4.5	7.5	6.5	12.0	9.0
13	.0	.0	2.5	2.0	4.5	3.5	6.0	4.5	7.5	6.0	12.5	9.0
14	.0	.0	3.0	2.0	4.5	2.0	6.5	4.0	8.0	6.5	12.5	9.0
15	.0	.0	3.0	2.0	3.5	2.0	7.0	5.0	8.0	6.5	13.0	9.5
16	1.0	.0	3.0	2.5	3.5	2.0	7.0	6.0	7.5	6.0	13.0	10.0
17	2.0	1.0	3.0	2.5	4.5	3.5	6.5	4.5	7.0	6.0	13.0	10.0
18	2.0	2.0	3.0	2.5	3.5	2.0	6.5	5.0	7.5	6.5	13.0	10.0
19	2.5	2.0	3.0	2.0	3.5	2.5	7.0	5.5	9.5	7.0	13.5	10.0
20	2.5	1.5	3.0	1.5	2.5	.5	7.0	5.0	9.5	8.0	13.5	11.0
21	1.5	1.0	2.0	1.0	2.0	1.5	7.0	5.0	9.5	8.5	14.0	10.0
22	1.5	1.0	3.0	1.5	3.0	.5	6.5	5.0	11.5	9.0	14.0	11.5
23	2.5	1.5	2.5	1.0	3.5	1.0	8.0	6.0	11.5	9.0	15.5	12.5
24	2.0	2.0	2.0	1.0	4.0	3.0	8.5	7.0	10.0	8.0	16.0	13.0
25	2.0	2.0	2.0	1.0	4.5	3.0	8.0	6.0	9.5	8.0	16.0	12.5
26	2.0	2.0	4.0	2.0	6.5	4.0	7.0	6.0	9.5	8.0	15.5	12.5
27	2.0	2.0	4.0	2.5	6.0	4.5	6.0	5.5	10.0	7.0	14.5	12.5
28	2.0	2.0	3.5	2.0	5.5	4.5	6.5	5.5	10.0	7.0	15.0	12.0
29	2.0	2.0	---	---	4.5	4.0	7.5	6.0	9.5	7.5	15.5	12.5
30	2.0	1.0	---	---	4.0	3.0	7.5	6.5	9.5	8.0	16.5	13.0
31	1.0	.5	---	---	4.5	3.0	---	---	10.0	8.0	---	---
MONTH	2.5	.0	4.0	.5	6.5	.5	8.5	3.0	11.5	5.0	16.5	7.5

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.0	14.0	21.5	16.5	17.0	12.5	12.0	8.0	6.0	5.0	3.0	2.0
2	15.5	13.5	20.0	17.0	16.5	10.5	10.0	8.5	7.0	5.5	2.5	2.0
3	15.0	13.0	20.5	16.5	17.0	10.5	10.0	6.0	5.5	4.5	2.5	2.0
4	15.0	13.5	22.0	16.0	16.0	11.5	8.5	6.0	5.5	5.0	3.0	2.5
5	14.0	12.5	21.5	16.5	16.5	12.0	8.0	6.0	5.5	5.0	3.5	2.5
6	16.0	12.0	20.0	17.0	17.5	12.5	7.0	4.0	5.5	4.5	3.5	2.5
7	16.5	14.0	18.0	14.0	17.0	12.0	8.0	4.0	6.5	5.5	3.5	3.0
8	15.5	13.5	16.5	14.0	15.0	12.5	9.0	5.0	6.5	5.5	3.5	3.0
9	14.5	13.5	17.0	12.0	14.0	12.5	9.0	5.5	5.5	4.5	3.0	2.5
10	16.0	14.0	16.0	13.0	14.5	12.0	9.5	6.5	5.0	4.5	3.0	2.5
11	15.5	14.5	18.0	13.0	13.5	11.5	10.0	6.5	4.5	4.0	3.5	3.0
12	15.5	12.5	17.0	13.5	13.0	9.0	9.0	6.0	4.0	3.5	3.5	2.0
13	18.0	13.5	17.0	14.0	13.5	8.0	9.5	6.0	4.5	4.0	2.5	2.0
14	20.0	15.0	17.0	13.5	14.5	9.0	9.0	5.5	5.0	4.5	2.5	1.5
15	19.5	17.0	17.0	13.0	14.5	10.0	7.5	5.5	5.5	4.5	1.5	1.0
16	19.0	15.0	18.5	12.5	14.5	9.5	8.5	5.0	5.0	4.5	2.0	1.5
17	18.5	15.5	19.5	13.5	15.0	10.0	9.0	5.5	4.5	4.0	3.0	2.0
18	20.0	16.0	17.0	14.0	14.5	10.0	9.0	6.0	5.0	4.5	2.0	1.5
19	20.0	17.0	17.5	15.0	15.0	11.0	8.0	5.0	5.0	4.5	2.0	1.5
20	20.0	16.5	19.0	14.5	14.5	10.0	8.0	5.0	5.0	5.0	2.5	2.0
21	19.0	15.0	19.0	13.5	14.0	9.0	8.0	6.5	5.5	5.0	3.5	2.5
22	18.5	15.0	17.5	13.0	14.0	8.5	6.5	6.5	5.5	4.0	2.5	1.5
23	19.5	15.0	17.0	14.0	14.0	9.0	6.0	3.5	4.0	4.0	1.5	.5
24	19.5	15.0	18.0	13.0	14.0	9.5	6.0	3.5	4.5	4.0	.5	.5
25	19.5	15.0	19.5	14.0	14.5	9.5	6.0	3.5	4.5	4.0	1.0	.5
26	20.0	14.5	20.0	14.0	13.0	10.5	6.0	4.0	4.0	3.0	.5	.5
27	20.0	15.0	20.5	14.5	11.5	9.5	5.5	4.5	3.5	3.0	1.0	.5
28	21.0	15.5	20.0	14.5	13.0	10.0	6.0	4.0	3.0	1.5	1.0	.5
29	21.0	16.0	20.0	14.5	12.0	8.0	6.5	4.0	3.0	2.5	.5	.5
30	21.5	16.5	19.5	14.5	11.5	7.0	6.0	4.0	3.5	2.5	.5	.0
31	21.5	17.0	17.0	14.0	---	---	5.5	3.5	---	---	.0	.0
MONTH	21.5	12.0	22.0	12.0	17.5	7.0	12.0	3.5	7.0	1.5	3.5	.0
YEAR	22.0	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	4.5	2.5	5.5	1.0	7.5	5.5	12.0	8.5
2	0	0	.0	.0	4.5	3.0	4.5	2.0	8.0	6.0	12.0	8.5
3	0	0	.0	.0	4.0	2.5	6.5	3.5	8.0	7.0	10.5	8.5
4	0	0	.0	.0	3.0	1.0	5.5	4.5	7.0	6.0	11.0	8.5
5	0	0	.0	.0	2.5	1.5	7.0	3.0	7.0	6.0	11.0	9.5
6	0	0	.0	.0	2.5	.5	8.5	4.5	7.0	6.0	12.5	9.0
7	0	0	.0	.0	3.0	.5	7.0	5.5	8.0	6.5	12.5	9.5
8	0	0	.0	.0	2.5	1.5	6.0	5.0	8.0	6.5	11.5	9.0
9	0	0	.0	.0	2.5	1.0	6.0	4.0	8.0	6.5	11.5	9.0
10	0	0	.0	.0	4.0	2.0	8.0	3.5	8.5	6.5	12.5	9.0
11	0	0	.0	.0	4.5	2.5	10.0	4.5	8.5	6.5	12.5	10.5
12	0	0	.0	.0	3.5	1.5	10.0	5.5	8.5	6.5	13.5	10.5
13	0	0	.0	.0	4.0	2.5	9.5	6.0	9.0	6.0	13.0	10.5
14	0	0	.0	.0	4.0	2.5	8.5	5.5	9.0	6.5	11.5	9.5
15	0	0	.0	.0	4.5	2.0	8.0	6.0	9.5	8.0	12.0	10.5
16	0	0	.0	.0	5.0	4.0	7.5	6.0	8.5	7.0	11.0	10.0
17	0	0	.0	.0	5.0	3.5	7.5	6.0	9.5	7.0	11.0	10.5
18	0	0	.0	.0	5.5	4.5	7.0	4.5	9.5	7.5	11.0	10.5
19	0	0	.0	.0	6.5	4.0	7.0	5.5	8.0	6.5	11.0	10.5
20	0	0	.0	.0	5.5	4.5	7.0	5.0	8.5	6.5	11.0	10.0
21	0	0	.0	.0	5.0	2.5	7.0	4.5	10.0	6.5	11.0	10.0
22	0	0	.0	.0	6.0	3.0	7.0	5.0	10.0	7.5	14.0	10.5
23	0	0	.5	.0	6.0	3.0	7.0	6.0	9.0	8.0	14.0	12.0
24	0	0	2.0	.5	6.5	4.0	7.0	5.0	8.0	6.5	14.0	12.5
25	0	0	1.0	.0	5.5	3.0	6.0	6.0	7.5	6.0	13.5	12.0
26	0	0	.5	.0	3.0	1.0	8.0	5.5	8.5	6.0	12.0	10.0
27	0	0	1.5	.0	2.5	1.0	8.0	6.5	10.0	7.5	12.0	11.0
28	0	0	2.5	1.5	2.5	1.0	6.5	5.5	11.0	8.0	12.0	10.0
29	0	0	---	---	5.5	1.5	6.5	5.0	11.5	8.5	14.0	10.0
30	0	0	---	---	5.5	4.0	7.0	5.5	11.5	9.0	15.0	11.0
31	0	0	---	---	4.5	2.5	---	---	11.5	8.5	---	---
MONTH	0	0	2.5	.0	6.5	.5	10.0	1.0	11.5	5.5	15.0	8.5

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	13.0	21.0	15.0	14.5	11.5	13.5	9.0	5.5	4.5	1.0	1.0
2	18.0	14.0	19.0	16.0	14.0	12.0	12.5	8.0	5.5	5.5	1.0	.5
3	18.5	15.5	20.5	14.5	15.0	11.0	11.5	10.0	7.5	5.5	2.5	.5
4	19.0	16.5	22.5	15.5	16.5	11.0	12.5	11.0	7.5	6.5	3.0	2.5
5	19.0	16.0	23.0	17.0	18.0	12.0	12.0	9.5	6.5	5.0	2.5	2.0
6	19.0	16.0	22.0	16.5	18.5	12.5	11.5	10.5	5.5	5.0	2.0	1.0
7	18.0	17.0	21.0	16.0	19.0	13.0	10.5	9.0	5.5	5.0	2.0	1.0
8	20.0	16.0	20.5	16.5	19.0	14.0	9.0	8.0	4.5	3.5	2.5	2.0
9	21.0	16.5	20.5	14.0	18.5	13.5	8.5	8.0	4.0	3.0	3.5	2.5
10	21.5	17.0	20.5	15.5	18.5	13.0	8.5	8.0	3.0	1.5	3.5	2.5
11	21.5	18.0	20.5	15.0	18.5	14.0	10.0	8.0	2.0	.5	2.5	1.5
12	20.5	17.5	21.5	15.5	17.5	12.5	10.0	9.5	2.0	1.0	1.5	1.0
13	18.5	16.0	21.5	16.0	17.0	12.0	10.0	8.5	1.5	.5	1.0	.5
14	20.5	15.5	22.0	17.0	17.5	12.0	8.5	7.0	2.5	1.5	.5	.5
15	20.0	17.5	21.5	16.5	18.0	12.5	9.5	7.5	4.0	2.5	.5	.5
16	19.0	15.0	19.5	16.0	16.5	14.0	8.5	7.0	3.5	2.5	.5	.0
17	18.0	15.5	17.0	16.0	14.5	12.5	10.0	8.0	2.5	2.0	.0	.0
18	20.0	14.5	16.0	14.0	14.0	11.5	10.0	8.5	2.0	1.0	.0	.0
19	19.5	15.0	17.0	14.5	14.0	10.0	8.5	7.5	1.0	.5	.0	.0
20	21.0	15.5	19.0	14.0	14.5	9.5	8.0	7.0	.5	.5	.0	.0
21	21.5	16.0	19.0	14.0	15.0	10.0	7.5	6.5	.5	.5	.0	.0
22	21.5	16.5	18.0	15.0	15.5	10.5	7.5	6.0	.5	.5	.0	.0
23	22.0	16.5	15.0	14.0	16.0	11.0	6.0	5.0	1.5	.5	1.0	.0
24	22.5	17.0	15.5	13.5	16.0	11.0	5.0	4.0	2.5	1.5	1.5	1.0
25	23.0	17.5	16.5	13.5	15.5	11.5	4.5	4.0	2.0	1.0	2.0	1.5
26	24.0	17.5	18.0	14.0	15.0	10.5	5.0	4.5	1.5	1.0	2.0	1.5
27	24.5	18.0	20.0	14.0	14.0	10.0	5.5	4.5	1.5	1.0	2.0	1.5
28	24.0	18.5	18.5	15.0	14.5	10.5	5.0	4.0	1.0	1.0	1.5	1.0
29	22.0	19.0	15.0	13.5	14.0	10.0	4.5	4.5	1.0	1.0	1.5	1.0
30	19.5	17.5	14.0	13.0	15.5	9.5	5.5	4.5	1.0	1.0	2.0	1.5
31	19.0	16.5	16.0	13.0	---	---	5.5	4.5	---	---	2.0	.0
MONTH	24.5	13.0	23.0	13.0	19.0	9.5	13.5	4.0	7.5	.5	3.5	.0
YEAR	24.5	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	.0	.0	1.0	.5	1.0	.5	6.5	5.0	10.5	7.5	11.0	9.0
2	.0	.0	.5	.5	1.0	.5	5.5	4.5	10.0	7.5	11.0	8.5
3	.0	.0	.5	.0	1.0	1.0	7.0	4.0	8.5	7.0	11.0	9.0
4	.0	.0	.0	.0	1.0	1.0	7.5	5.0	8.5	7.0	10.5	8.0
5	.0	.0	.0	.0	1.0	1.0	7.5	5.0	7.5	7.0	12.0	9.0
6	.0	.0	.0	.0	1.0	1.0	7.0	5.0	9.5	6.5	12.0	10.0
7	.0	.0	.0	.0	2.5	1.0	7.5	5.5	10.0	7.5	12.5	10.5
8	.0	.0	.0	.0	3.5	1.0	7.0	4.5	10.0	7.5	13.5	11.0
9	.0	.0	.0	.0	4.0	2.5	6.5	5.0	10.0	7.5	13.5	11.5
10	.0	.0	.0	.0	4.0	3.5	6.0	4.0	9.5	7.5	13.5	10.0
11	.5	.0	.0	.0	4.5	2.5	6.5	5.0	9.0	7.0	13.0	9.0
12	.5	.0	1.0	.0	2.5	1.0	6.5	6.0	9.0	6.0	12.0	11.0
13	.0	.0	1.5	1.0	4.5	1.5	6.0	5.5	9.0	7.5	11.0	9.0
14	.0	.0	2.5	1.5	5.0	2.0	5.5	4.0	10.0	8.0	12.0	9.0
15	.0	.0	2.0	1.0	4.5	1.5	5.0	4.5	9.0	6.5	12.0	11.0
16	1.5	.0	1.5	1.0	6.0	2.5	5.0	4.0	10.5	7.0	11.0	10.0
17	2.0	1.5	1.5	1.5	6.5	4.5	5.0	4.5	10.5	8.0	12.0	10.0
18	2.0	1.0	2.0	1.0	5.5	4.5	5.5	5.0	9.5	6.5	13.5	10.0
19	1.0	.0	2.5	1.5	5.5	3.5	6.0	4.0	10.5	7.0	14.0	11.5
20	.0	.0	3.0	1.0	3.5	2.5	6.0	5.0	10.0	8.5	14.0	12.0
21	.0	.0	2.0	.5	4.5	2.5	6.0	4.5	10.5	7.0	13.0	11.0
22	.0	.0	2.5	.5	4.5	3.0	6.0	5.0	11.0	8.5	11.0	11.0
23	.0	.0	3.0	1.5	5.5	3.5	7.5	5.0	11.0	10.0	11.5	10.5
24	.0	.0	3.5	2.5	4.5	3.0	8.0	6.0	11.0	9.5	12.5	10.0
25	.0	.0	4.0	3.0	5.0	3.5	7.5	6.5	10.0	8.5	12.0	10.0
26	.0	.0	2.5	2.0	5.0	3.5	6.5	5.5	10.0	7.0	13.0	9.5
27	1.0	.0	2.0	1.5	5.5	3.0	6.0	5.0	12.0	9.0	15.0	10.0
28	1.5	.5	2.0	1.0	5.5	3.5	6.0	5.5	12.0	9.5	16.0	12.0
29	1.5	1.0	2.0	.5	7.0	4.0	8.5	5.5	10.0	8.0	17.0	13.0
30	1.5	.5	---	---	8.0	5.0	10.0	7.0	10.0	9.0	17.5	15.0
31	1.5	.5	---	---	6.5	5.0	---	---	11.0	9.0	---	---
MONTH	2.0	.0	4.0	.0	8.0	.5	10.0	4.0	12.0	6.0	17.5	8.0

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	14.0	20.5	18.0	20.5	15.0	15.0	11.5	8.0	5.5	1.5	1.0
2	16.0	11.5	22.0	17.5	19.5	15.5	14.5	13.0	7.0	5.0	2.0	1.5
3	16.5	13.0	22.0	18.0	19.0	14.0	13.0	10.5	6.0	5.0	1.5	1.5
4	16.5	14.5	20.5	17.5	18.5	14.0	11.0	7.5	6.5	6.0	1.5	1.5
5	18.0	13.5	21.0	17.5	18.5	13.5	9.5	8.0	7.0	6.5	1.5	1.0
6	18.5	15.0	22.0	17.5	17.5	14.0	9.5	8.0	6.5	6.5	1.5	1.0
7	18.0	16.0	20.5	18.0	14.0	11.0	9.5	8.0	8.0	6.5	1.5	1.0
8	16.5	14.5	18.5	16.5	14.5	9.5	10.0	8.0	7.0	6.0	2.0	1.0
9	16.0	14.0	17.5	15.5	15.0	9.5	11.0	7.0	6.0	6.0	2.0	1.5
10	16.0	13.0	19.0	16.0	15.5	10.0	10.0	8.5	6.0	5.5	1.5	1.0
11	18.5	14.0	20.5	16.0	14.0	11.5	11.5	8.5	5.5	5.0	1.5	.5
12	18.0	15.5	21.0	16.0	13.5	12.5	11.5	8.5	5.0	3.5	1.0	.0
13	17.5	13.5	21.0	17.0	15.0	10.5	11.5	8.5	3.5	2.0	.0	.0
14	18.0	14.0	19.5	17.5	15.5	10.5	10.5	8.0	2.5	2.0	.0	.0
15	19.5	14.5	18.5	16.5	16.0	11.0	9.0	6.5	3.0	2.0	.0	.0
16	21.0	15.5	16.5	15.0	16.0	11.5	8.0	5.5	3.5	2.5	.0	.0
17	21.0	16.0	16.0	12.5	15.0	14.0	7.5	6.0	5.0	3.5	.0	.0
18	19.5	16.5	16.5	14.0	15.5	14.0	6.5	3.5	5.0	4.5	.0	.0
19	21.0	16.0	15.5	13.0	16.0	11.5	6.0	3.0	4.5	2.5	.0	.0
20	19.0	16.5	16.5	14.0	15.5	10.5	6.0	3.0	3.0	1.0	.0	.0
21	18.5	16.0	19.0	13.0	15.5	11.0	5.5	3.0	1.5	1.0	.0	.0
22	20.0	15.5	20.0	14.5	16.5	12.0	6.5	4.0	2.0	1.5	.0	.0
23	21.5	16.0	19.5	17.0	16.0	12.5	7.0	6.0	2.0	1.5	.0	.0
24	20.5	17.0	20.0	15.0	16.5	12.5	6.5	5.0	2.5	2.0	.0	.0
25	21.0	15.0	18.0	16.0	17.0	13.5	7.5	6.5	3.0	2.5	.0	.0
26	22.0	17.0	16.5	13.5	16.0	12.5	7.0	5.5	3.0	1.5	.0	.0
27	21.0	16.5	14.0	12.0	15.5	11.5	8.0	6.0	1.5	1.0	.0	.0
28	21.0	15.0	18.5	12.5	15.0	11.0	7.0	5.0	1.0	1.0	.0	.0
29	19.0	16.0	18.5	14.0	15.5	11.5	8.0	6.0	1.0	1.0	.0	.0
30	19.0	15.5	20.0	14.5	15.5	11.5	6.5	4.5	1.0	1.0	.0	.0
31	22.0	16.0	20.5	14.5	---	---	5.5	4.0	---	---	.0	.0
MONTH	22.0	11.5	22.0	12.0	20.5	9.5	15.0	3.0	8.0	1.0	2.0	.0
YEAR	22.0	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	2.5	1.0	7.0	4.5	12.0	8.5	18.0	13.0
2	0	0	.0	.0	3.0	2.0	6.0	2.5	12.0	10.0	16.0	13.0
3	0	0	.0	.0	4.0	2.0	8.5	2.5	10.0	8.0	14.5	12.0
4	0	0	.0	.0	4.0	1.0	10.5	4.5	9.5	7.0	14.5	13.0
5	0	0	.0	.0	4.0	2.0	11.5	5.5	9.0	6.5	18.5	12.5
6	0	0	.0	.0	5.5	2.0	12.5	6.5	8.0	5.5	18.5	15.0
7	0	0	.0	.0	5.0	4.5	12.5	6.5	11.5	6.0	19.5	16.0
8	0	0	.0	.0	5.0	4.0	11.5	7.0	13.0	9.0	19.0	15.5
9	0	0	.0	.0	4.5	3.5	9.5	7.5	12.0	10.0	18.0	14.0
10	0	0	.0	.0	4.5	2.5	7.5	6.0	11.5	9.0	17.0	13.5
11	0	0	.0	.0	4.0	1.0	8.5	6.0	9.0	7.5	16.5	14.0
12	0	0	.0	.0	4.0	2.0	10.0	5.0	9.5	7.0	16.5	13.5
13	0	0	.5	.0	4.5	3.0	9.0	7.5	11.0	8.5	17.0	13.0
14	0	0	1.0	.0	3.5	2.0	9.5	6.5	11.0	9.0	18.0	13.5
15	0	0	1.5	.0	4.5	2.0	8.0	6.0	9.5	7.5	18.0	14.0
16	0	0	2.5	1.0	4.0	2.5	9.5	7.0	9.0	7.0	18.0	13.0
17	0	0	2.0	1.5	4.0	3.0	8.5	5.0	9.0	8.5	20.5	13.0
18	0	0	2.5	2.0	4.0	1.0	7.5	4.5	9.5	7.5	21.5	14.5
19	0	0	2.5	1.0	2.5	1.0	6.5	4.0	10.0	8.0	22.0	15.5
20	0	0	3.0	1.0	3.0	.5	8.5	5.0	12.0	8.0	20.5	17.0
21	0	0	3.0	2.0	4.0	2.5	8.5	6.0	11.5	10.0	20.0	15.0
22	0	0	3.5	2.5	6.5	2.0	12.0	6.5	13.0	9.0	21.5	16.0
23	0	0	3.5	2.5	6.0	3.0	13.0	8.0	13.0	10.0	22.0	15.5
24	0	0	3.5	2.0	6.5	4.0	13.0	9.0	10.0	8.5	23.0	16.0
25	0	0	2.5	1.0	7.0	3.0	11.5	9.0	12.0	8.0	24.0	17.5
26	0	0	2.5	2.0	6.5	5.0	11.0	8.5	11.5	9.0	23.0	17.0
27	0	0	2.5	1.5	6.0	4.5	10.0	7.0	12.5	9.0	22.0	16.5
28	0	0	2.0	1.0	4.5	3.5	10.5	7.0	11.5	8.0	21.0	16.0
29	0	0	---	---	5.0	2.5	10.5	8.0	11.0	8.5	20.5	15.5
30	0	0	---	---	7.5	2.5	11.5	7.5	13.0	7.5	22.5	14.5
31	0	0	---	---	5.5	4.5	---	---	16.0	12.0	---	---
MONTH	0	0	3.5	.0	7.5	.5	13.0	2.5	16.0	5.5	24.0	12.0

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.5	16.0	24.0	16.0	17.0	11.0	9.5	8.0	5.0	4.0	.0	.0
2	20.5	15.5	25.0	17.5	15.0	12.0	10.5	7.5	5.0	5.0	1.0	.0
3	18.0	14.5	24.5	18.5	18.0	14.0	9.5	6.0	5.0	3.0	2.0	1.0
4	16.5	14.0	21.0	19.0	15.5	14.5	8.5	5.0	4.0	2.5	2.0	.5
5	18.5	13.5	22.0	17.0	20.0	14.5	7.0	5.0	4.0	3.0	.5	.0
6	16.5	14.5	22.0	16.0	18.5	12.0	8.5	5.5	3.5	2.5	.0	.0
7	22.0	12.5	23.5	16.0	17.5	12.5	9.5	8.0	4.0	3.0	.0	.0
8	21.5	15.0	21.5	16.5	15.5	13.0	8.0	7.0	3.0	1.0	.0	.0
9	20.5	16.5	20.0	16.0	16.5	10.5	9.0	7.0	1.5	1.0	.0	.0
10	20.0	15.5	23.0	15.5	16.5	10.5	7.5	4.5	3.5	1.5	.0	.0
11	19.0	14.0	23.5	15.0	14.5	11.5	7.0	4.0	3.5	3.0	.0	.0
12	21.0	15.5	24.0	16.0	16.0	10.0	7.5	4.0	4.0	2.5	.0	.0
13	18.5	16.0	24.5	19.0	17.0	11.0	8.5	7.0	3.5	3.0	1.0	.0
14	19.5	14.0	22.0	19.0	15.0	11.5	9.0	6.5	4.0	3.0	1.5	1.0
15	23.0	15.0	23.5	16.0	16.5	11.5	8.5	5.5	3.0	2.0	2.0	1.5
16	22.0	16.5	24.0	16.0	14.0	11.5	9.0	5.5	2.0	1.5	2.0	1.5
17	20.5	17.0	24.0	16.5	13.0	11.5	8.0	5.0	1.5	1.5	1.5	.5
18	20.0	15.5	24.5	16.5	13.5	10.0	7.5	4.5	1.5	.0	.5	.5
19	19.5	14.5	24.0	17.0	12.5	11.0	7.5	5.5	.0	.0	.5	.0
20	21.0	14.0	23.5	16.5	13.0	11.5	8.0	5.0	.0	.0	.0	.0
21	23.0	16.5	22.5	17.0	13.5	10.5	6.5	4.0	.0	.0	.0	.0
22	25.5	18.0	21.0	17.0	12.5	9.0	6.5	4.0	.0	.0	.0	.0
23	26.0	18.0	19.5	16.0	12.0	8.0	6.5	4.5	.0	.0	.0	.0
24	22.5	18.0	18.0	15.5	12.0	10.5	6.0	4.0	.0	.0	.0	.0
25	21.0	19.0	16.5	13.5	11.0	9.0	7.0	6.0	.0	.0	.0	.0
26	19.5	18.0	15.5	13.5	10.5	9.0	8.0	6.0	.0	.0	.0	.0
27	24.0	17.5	15.5	13.0	10.0	7.0	6.0	3.5	.0	.0	.0	.0
28	22.0	18.0	15.0	12.5	10.0	9.0	6.5	5.0	.0	.0	.0	.0
29	20.0	16.0	16.0	13.0	10.0	9.0	6.5	6.0	.0	.0	.0	.0
30	22.0	14.5	15.0	13.0	10.0	8.5	6.5	5.0	.0	.0	.0	.0
31	22.0	16.0	16.5	12.0	---	---	6.0	4.5	---	---	.0	.0
MONTH	26.0	12.5	25.0	12.0	20.0	7.0	10.5	3.5	5.0	.0	2.0	.0
YEAR	26.0	.0										

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	.0	.5	.0					0	0
2	0	0	.0	.0	.0	.0					---	---
3	0	0	.0	.0	.0	.0					---	---
4	0	0	.0	.0	.0	.0					---	---
5	0	0	.0	.0	.0	.0					---	---
6	0	0	.5	.0	2.0	.0					---	---
7	0	0	.5	.5	2.0	1.0					---	---
8	0	0	.5	.5	2.0	2.0					---	---
9	0	0	.5	.5	3.5	2.0					---	---
10	0	0	.5	.5	3.0	1.5					---	---
11	0	0	.5	.0	2.5	1.5					---	---
12	0	0	.0	.0	2.5	2.0					---	---
13	0	0	.0	.0	3.0	2.5					---	---
14	0	0	.0	.0	2.5	2.0					---	---
15	0	0	.0	.0	3.0	.5					---	---
16	0	0	.0	.0	---	---					---	---
17	0	0	.0	.0	---	---					---	---
18	0	0	.5	.0	---	---					---	---
19	0	0	1.0	.5	---	---					---	---
20	0	0	1.5	.5	---	---					---	---
21	0	0	2.0	1.0	---	---					---	---
22	0	0	2.0	1.0	---	---					---	---
23	0	0	2.0	1.5	---	---					---	---
24	0	0	2.0	1.5	---	---					---	---
25	0	0	2.0	1.5	---	---					---	---
26	0	0	1.5	1.5	---	---					---	---
27	0	0	2.0	1.5	---	---					---	---
28	0	0	2.0	.5	---	---					---	---
29	0	0	---	---	---	---					---	---
30	0	0	---	---	---	---					---	---
31	0	0	---	---	---	---					---	---
MONTH	0	0	2.0	.0	3.5	.0					0	0

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	0	0	---	---	12.4	8.4	3.5	.6	.3	.1
2	---	---	---	---	---	---	12.1	7.1	3.0	.6	.6	.3
3	---	---	---	---	---	---	9.8	7.2	5.1	3.0	.5	.2
4	---	---	---	---	---	---	11.1	6.1	6.2	4.5	1.0	.1
5	---	---	---	---	---	---	10.8	5.9	4.2	2.2	.1	.1
6	---	---	---	---	---	---	10.7	5.9	3.4	1.6	.1	.1
7	---	---	---	---	---	---	11.0	6.5	6.0	3.4	.1	.1
8	---	---	---	---	---	---	11.7	7.1	6.5	5.0	.1	.1
9	---	---	---	---	---	---	11.8	7.0	4.7	1.3	.1	.1
10	---	---	---	---	---	---	10.1	8.3	1.0	.0	.1	.1
11	---	---	---	---	---	---	10.8	8.2	.0	.0	.1	.1
12	---	---	---	---	---	---	9.9	6.2	.0	.0	.1	.1
13	---	---	---	---	13.8	13.2	8.4	4.3	.0	.0	.1	.1
14	---	---	---	---	15.3	11.3	8.3	4.0	.0	.0	.0	.0
15	---	---	---	---	14.6	12.3	8.5	4.2	.0	.0	.0	.0
16	---	---	---	---	13.6	9.9	8.8	5.3	.0	.0	.0	.0
17	---	---	---	---	12.5	8.2	9.9	5.7	.1	.0	.0	.0
18	---	---	---	---	10.8	7.0	9.3	5.5	.1	.1	.0	.0
19	---	---	---	---	12.5	7.0	9.1	5.2	.1	.1	.0	.0
20	---	---	---	---	11.7	6.8	8.9	5.5	.1	.1	.0	.0
21	---	---	---	---	10.7	8.5	10.2	6.2	.1	.1	.0	.0
22	---	---	---	---	11.3	8.7	6.8	3.6	.1	.1	.0	.0
23	---	---	---	---	12.1	10.1	7.2	4.1	.1	.1	.0	.0
24	---	---	---	---	15.0	10.2	7.9	5.0	.1	.1	.0	.0
25	---	---	---	---	16.0	11.5	6.0	2.9	.1	.1	.0	.0
26	---	---	---	---	15.9	10.5	5.2	1.9	.2	.1	.0	.0
27	---	---	---	---	14.2	11.7	5.7	3.6	.3	.1	.0	.0
28	---	---	---	---	11.8	9.5	6.7	4.4	.7	.1	.0	.0
29	---	---	---	---	12.6	8.2	7.1	4.5	.2	.1	.0	.0
30	---	---	---	---	11.7	8.1	4.7	2.6	.1	.1	.0	.0
31	---	---	---	---	---	---	3.7	1.2	---	---	.0	.0
MONTH	0	0	0	0	16.0	6.8	12.4	1.2	6.5	.0	1.0	.0
YEAR	16.0	.0										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

TABLE 112. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

TEMPERATURE (DEG. C) OF WATER, CALENDAR YEAR JANUARY 1979 TO DECEMBER 1979

DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0	0	.0	0	.5	.0	4.8	2.8	8.4	6.3	13.3	10.0
2	0	0	.0	0	.0	.0	5.5	2.5	9.4	6.0	15.4	11.1
3	0	0	.0	0	.3	.0	4.7	2.6	8.8	6.8	15.1	11.7
4	0	0	.0	0	1.4	.1	6.0	3.6	8.7	7.2	14.5	12.2
5	0	0	.0	0	3.5	1.4	8.3	3.7	7.4	6.3	13.1	11.3
6	0	0	.0	0	3.0	1.5	7.0	4.8	7.1	5.9	11.2	9.0
7	0	0	.0	0	2.9	1.4	8.0	5.2	8.0	5.5	11.9	9.3
8	0	0	.0	0	1.6	.4	7.0	4.6	7.8	6.3	13.0	9.5
9	0	0	.0	0	2.9	.3	6.5	5.4	9.6	5.8	16.2	11.2
10	0	0	.0	0	3.6	.5	5.8	4.7	9.4	6.8	15.3	12.3
11	0	0	.0	0	4.2	1.1	6.0	3.4	10.5	6.8	17.6	12.4
12	0	0	.0	0	4.9	2.7	6.6	4.3	9.5	7.4	17.7	13.7
13	0	0	.0	0	3.8	1.0	7.6	5.2	10.7	7.6	16.2	13.3
14	0	0	.0	0	4.0	1.2	7.0	5.2	10.9	6.9	14.4	11.0
15	0	0	.0	0	4.3	1.4	6.3	4.8	10.4	7.8	14.5	10.0
16	0	0	.0	0	3.9	3.2	7.7	5.2	9.9	7.7	15.5	10.5
17	0	0	.0	0	4.4	3.1	8.9	6.7	9.5	6.2	14.2	12.3
18	0	0	.1	0	4.5	2.1	6.9	5.2	10.9	7.4	17.8	12.5
19	0	0	.2	0	4.5	3.0	7.3	5.0	11.1	7.4	16.5	14.6
20	0	0	.3	0	4.8	1.8	6.7	4.9	11.3	7.4	16.4	13.1
21	0	0	.1	0	4.8	1.8	7.6	4.2	12.5	8.6	16.3	11.3
22	0	0	.1	0	5.1	2.3	7.1	5.3	12.7	8.6	17.7	12.3
23	0	0	.0	0	5.6	2.4	6.3	5.6	12.5	8.9	18.7	12.9
24	0	0	.7	0	6.7	3.1	7.5	5.3	12.5	9.7	19.1	13.4
25	0	0	.4	0	5.9	3.9	9.1	5.6	12.8	8.6	19.8	13.7
26	0	0	.3	0	4.4	3.2	10.2	6.5	12.5	9.3	21.0	15.1
27	0	0	.4	0	3.0	1.6	10.2	6.5	12.4	9.5	21.9	17.0
28	0	0	.6	0	3.8	.8	10.1	7.0	11.5	7.9	21.8	15.9
29	0	0	---	---	5.8	3.1	9.6	6.9	10.7	7.5	20.7	16.1
30	0	0	---	---	5.3	3.6	9.2	6.4	10.8	8.4	19.3	16.9
31	0	0	---	---	5.9	3.0	---	---	12.5	9.2	---	---
MONTH	0	0	.7	0	6.7	.0	10.2	2.5	12.8	5.5	21.9	9.0

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12303000 KOOTENAI RIVER AT LIBBY, MT.				STREAM		SOURCE AGENCY USGS				
LATITUDE 482403		LONGITUDE 1153308		DRAINAGE AREA 10240.00		DATUM 2041.54		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2790	2700	7560	4160	11000	29800	29700	27200	8580	33200	27200	8220
2	2860	2900	6750	4950	11400	29800	29300	33300	7950	33400	26300	4610
3	3040	3100	6250	5630	11900	29000	28700	33900	7800	34000	25900	4720
4	3200	3300	5750	6200	11800	29000	28100	29800	6550	34500	27900	4610
5	3100	3400	5500	6500	12600	29900	26400	20300	7170	35500	30500	3910
6	3000	3300	6330	6080	14600	30900	16000	17100	7980	35500	32900	3000
7	2900	3200	6430	6050	16000	31500	10900	16000	8070	34200	33300	2980
8	2910	3100	6280	9810	16600	32000	4300	17600	8280	31800	31900	2700
9	2860	3000	6150	9840	12500	32500	4680	20700	9210	30400	30600	2400
10	2820	2900	6250	9750	17600	32900	4720	18800	9300	30600	29600	2500
11	2770	2750	7050	9630	17500	33200	4360	16000	9150	32300	30400	2600
12	2510	2790	7560	9470	17200	34100	4080	15200	13800	35000	29600	2400
13	2400	3040	8100	9300	19400	35900	5650	14900	26000	37600	28600	2400
14	2300	3190	9000	9060	22800	36000	14800	13900	32800	34400	28700	2400
15	2300	3330	9330	8880	25500	36400	28100	13100	32100	32200	26400	2600
16	2400	3590	10200	8790	27500	36200	26100	16300	31200	33200	25600	2600
17	2460	4060	12100	8610	30000	36000	24200	17600	29900	33500	24200	2700
18	2560	4040	13500	7740	30300	36000	19200	11300	32200	31800	22800	2800
19	2560	3780	13500	5800	29100	36100	20000	4320	32400	32200	22200	2900
20	2640	3440	13100	6700	28000	36000	32400	4880	32800	32200	21800	3200
21	3220	3840	10400	6100	29000	36200	26100	4850	32600	31100	21700	3600
22	3780	3960	7000	7500	29600	35600	21600	4880	23700	30800	21200	3850
23	3690	3940	6850	8940	29200	35600	20900	4880	10900	30700	21100	3760
24	3370	3840	6400	8070	28400	35800	21400	4660	24200	30700	20400	3800
25	2900	3720	6100	7440	27700	34900	27100	4640	32000	31000	20100	3770
26	2700	3610	5650	7350	27100	34600	25100	4540	31500	30800	20100	3840
27	2500	3720	5230	7680	26400	33100	23700	4540	32000	30500	19300	4370
28	2300	5800	4760	9090	26900	30000	27000	4830	30900	30300	17700	6710
29	2200	8250	4620	10200	27800	30100	33100	6000	31200	30000	17100	6420
30	2300	---	4850	10700	28400	29500	32900	5880	31900	29500	13500	6340
31	2500	---	4880	---	29600	---	32600	7170	---	28600	---	6210
TOTAL	85840	105590	233430	236020	693400	998600	653190	419070	634140	1001500	748600	118920
MEAN	2769	3641	7530	7867	22370	33290	21070	13520	21140	32310	24950	3836
MAX	3780	8250	13500	10700	30300	36400	33100	33900	32800	37600	33300	8220
MIN	2200	2700	4620	4160	11000	29000	4080	4320	6550	28600	13500	2400

CAL YR 1972 TOTAL 5928300 MEAN 16200 MAX 37600 MIN 2200

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12303000 KOOTENAI RIVER AT LIBBY, MT.				STREAM		SOURCE AGENCY USGS				
LATITUDE 482403		LONGITUDE 1153308		DRAINAGE AREA 10240.00		DATUM 2041.54		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6200	3440	3240	3910	3560	3640	2860	4300	19400	10400	7920	3000
2	6090	3560	3490	3900	3480	3380	2790	4360	19400	10600	8420	2930
3	5830	4830	3470	3890	3550	3100	2710	4330	19400	10700	10700	2960
4	5780	5530	3430	3910	3630	2770	2750	4310	22000	10800	10600	3020
5	5140	4820	3420	3940	3740	3110	2740	4350	24800	11700	10700	2980
6	2870	3190	3400	4050	3840	3180	2700	4340	24500	10900	11400	2940
7	2700	3120	3400	4060	3960	3620	2670	4360	23000	10700	10700	2940
8	2500	3090	3380	4050	4040	3640	2630	4380	19500	10800	10600	2930
9	2300	3150	3430	4060	3960	3970	2960	4450	19400	11500	10700	2870
10	2700	3130	3710	4070	3810	3380	5290	4460	19400	11100	11200	2840
11	3000	3130	3760	4120	3600	3170	6730	4450	19600	10800	12500	2820
12	2500	3160	3740	4270	3490	3150	6510	4460	19700	10700	13500	2780
13	2400	3150	3730	4490	3470	3070	9350	4460	19600	10700	10900	2710
14	2640	3140	3750	4720	3730	3170	15200	4450	19800	10700	6470	2820
15	2900	3140	3760	4760	4150	3200	10200	5930	20000	10700	6270	2960
16	3200	3140	3750	4780	4610	3100	8130	7910	20100	10700	5590	3120
17	3500	3150	3760	4530	5360	3030	8150	8200	20100	10700	3330	3330
18	3700	3140	3740	3380	5440	3410	8120	11000	21200	10700	3150	3530
19	3600	3120	3720	3380	5180	4680	8320	15000	22400	10600	3060	3400
20	3440	3120	3730	3350	4870	4660	8340	15000	17600	10600	5440	3310
21	3390	3130	3740	3320	4230	4930	8350	14800	13600	10600	9080	3270
22	3270	3130	3750	3320	3890	6370	8360	16700	20800	10600	8780	3210
23	3310	3140	3790	3370	3720	8640	6450	19400	21000	11700	8720	3150
24	3380	3150	3810	3410	3470	8780	4400	19200	20800	10800	8720	3130
25	3460	3160	3790	3410	4030	8760	4430	19400	19800	7630	8690	3120
26	3350	3200	3640	3450	3670	9380	4520	19500	19800	7890	9080	3080
27	3300	3240	3530	3610	3420	9080	4370	19400	20100	7890	9500	3060
28	3340	3260	3870	3740	3270	8330	4280	19500	15600	7860	4490	3040
29	3380	---	3890	3710	3200	5480	4250	19500	10500	7950	3120	3020
30	3430	---	3930	3660	3300	2920	4260	19200	10300	7980	3080	3000
31	3460	---	3920	---	3580	---	4250	19300	---	7890	---	2980
TOTAL	110020	94660	113470	116620	121250	141100	177070	330400	583200	314890	246410	94250
MEAN	3549	3381	3660	3887	3911	4703	5712	10660	19440	10160	8214	3040
MAX	6200	5530	3930	4780	5440	9380	15200	19500	24800	11700	13500	3530
MIN	2300	3090	3240	3320	3200	2770	2630	4300	10300	7630	3060	2710

CAL YR 1973 TOTAL 2443340 MEAN 6694 MAX 24800 MIN 2300



TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12303000 KOOTENAI RIVER AT LIBBY, MT.				DRAINAGE AREA		STREAM		SOURCE AGENCY USGS			
LATITUDE 482403	LONGITUDE 1153308			10240.00		DATUM 2041.54		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2930	18600	18500	7220	31500	18600	39300	16700	8630	9850	23700	11000
2	2910	18300	18400	8280	31500	19000	36400	18500	8570	18700	23800	11000
3	2870	18000	18300	9140	29700	20000	30700	16600	13600	23400	23900	12500
4	6590	17900	18200	8840	27000	20700	27300	21800	18800	27100	20400	13800
5	15100	17800	17800	8660	25600	20200	22400	26100	18800	26700	16100	13800
6	15100	18000	15000	8040	25400	19700	16600	16600	18900	26400	16000	13800
7	15100	18300	14900	7800	22900	19200	16500	9730	16200	26400	16000	13700
8	15200	18700	15200	7750	17800	19000	16900	12200	8570	24900	15900	13600
9	15300	19000	15200	7830	17000	19000	18400	15200	6040	23500	15900	13800
10	15200	18800	15300	8690	15600	12300	18200	13800	6220	23600	15700	13900
11	15200	18700	15100	10200	14500	19600	17700	13800	6220	23600	17000	13900
12	15400	18000	15200	10300	14000	20200	16900	12800	6220	23600	23300	13800
13	15400	18100	15200	10300	13500	20800	19000	11500	6220	23700	23200	14600
14	15700	18700	15300	10200	14500	21000	18500	11700	6190	23800	22700	16100
15	19900	18400	14800	10500	17800	20900	15400	12300	5890	23700	23400	16000
16	19800	18800	13900	12300	17500	21500	14200	11900	2600	23800	22700	16000
17	14800	18700	14200	15000	17400	21300	8570	11900	6090	23800	21900	16000
18	9750	18600	14100	15600	17400	20800	5990	11900	6120	24000	21900	15900
19	7950	18500	11300	15100	17200	20300	6070	11700	6120	23900	22600	15900
20	7050	18800	8510	15200	17200	20200	6090	11500	6120	23800	23800	16000
21	5930	18800	7860	15200	17100	19600	8510	10900	6140	23700	23700	15900
22	5300	18800	5570	15000	17200	19200	13000	10200	8900	23800	21100	16000
23	5050	18800	5290	15200	17600	18900	14200	10200	14500	23800	16500	16000
24	4930	18800	5240	16300	18000	18900	20300	10200	18800	23700	16400	16000
25	4520	18600	5170	20200	18600	20600	21500	10200	20700	23000	16500	16000
26	4410	18600	5170	25000	19700	24800	26700	10200	21500	24100	13600	13200
27	4150	18400	5440	28400	20500	29800	22500	10200	20900	23700	10700	10700
28	5370	18500	6140	30700	20300	35000	22500	10200	21900	23300	10700	10600
29	13100	---	7020	29900	19700	39400	15700	9930	21800	23300	10800	10600
30	17900	---	7400	30400	19800	39500	16100	9570	20400	23900	10900	10700
31	18800	---	7340	---	19200	---	31500	9140	---	23900	---	10600
TOTAL	336710	518000	372050	433250	612700	660000	583630	399170	357660	728450	560800	431400
MEAN	10860	18500	12000	14440	19760	22000	18830	12880	11920	23500	18690	13920
MAX	19900	19000	18500	30700	31500	39500	39300	26100	21900	27100	23900	16100
MIN	2870	17800	5170	7220	13500	12300	5990	9140	2600	9850	10700	10600
CAL YR 1974 TOTAL 5993820 MEAN 16420 MAX 39500 MIN 2600												

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12303000 KOOTENAI RIVER AT LIBBY, MT.				DRAINAGE AREA		STREAM		SOURCE AGENCY USGS			
LATITUDE 482403	LONGITUDE 1153308			10240.00		DATUM 2041.54		STATE 30 COUNTY 053				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10700	25900	15600	5590	10800	9340	4220	2650	4900	11500	16000	16000
2	10700	25900	15600	5740	10400	9400	4520	2590	4870	10700	16100	14500
3	10700	25600	15600	5740	9800	9850	4850	2570	4730	10600	16600	18100
4	10700	26200	15900	4900	10100	9250	4940	2520	4350	10700	16700	19500
5	10600	26100	16000	3090	11000	9160	4820	2430	4230	10700	16300	16100
6	10600	25400	16000	3070	12500	9330	4820	2600	4420	10700	14600	13200
7	12400	23700	16000	3030	12900	8990	4870	2650	4500	11100	16200	12300
8	13900	23800	15900	2990	13200	8360	4590	2690	4530	10800	16200	11600
9	13500	23700	15900	2980	13700	7910	4740	2650	4730	10600	16200	14100
10	13500	23400	15800	2980	14400	7700	4500	2590	17600	11100	16500	17000
11	13500	24100	16000	3030	15100	7750	4370	2610	17500	10700	16200	19400
12	13500	24200	15900	3080	15400	7950	5440	2620	13200	10700	15800	21800
13	14400	24300	15200	3140	13200	7490	4360	2770	10400	10800	15800	22900
14	15500	23600	10900	3510	10200	6310	4420	2560	10300	10200	15900	23500
15	15500	21200	9400	4550	10900	6190	4480	2670	10400	10600	16000	23400
16	15500	21200	9340	5140	11700	5960	4180	2500	9190	10700	16200	23200
17	15600	21400	9420	5780	11100	5590	4030	2510	7690	10600	18000	23100
18	15700	16700	9710	6330	10800	5300	4010	3350	7890	10400	18000	23400
19	15900	17200	9710	6980	10600	5250	3960	3550	7880	10600	18000	22900
20	17400	19100	9730	7530	9430	5530	3890	3450	7750	10700	17900	11800
21	18900	18900	8660	7560	8550	5460	3910	3310	7750	11000	17900	11600
22	18800	18900	7520	7190	8280	5110	3910	3460	7640	10300	17900	15800
23	19000	19000	7430	6970	8160	5090	3120	3600	7630	12100	18200	26500
24	18900	18700	7350	7090	8030	5060	2890	3630	7780	15900	20500	26400
25	18900	17600	6350	7500	7700	4820	2870	4380	7970	15900	20700	26200
26	18800	17800	5580	8090	7260	4420	2870	4350	8170	16000	20900	26300
27	20700	17400	5600	8530	7080	4560	2760	3970	9340	15900	20800	26300
28	22800	15400	5500	8950	7310	4470	2620	3760	10500	15800	20700	26300
29	23000	---	5660	9870	7690	4330	2690	3700	10400	15800	20500	26100
30	22900	---	5610	10800	8430	4200	2740	4810	10500	15800	19600	26100
31	23800	---	5670	---	9180	---	2660	4900	---	15900	---	26100
TOTAL	496300	606400	344540	171730	324900	200130	123050	98400	248740	374900	526900	631500
MEAN	16010	21660	11110	5724	10480	6671	3969	3174	8291	12090	17560	20370
MAX	23800	26200	16000	10800	15400	9850	5440	4900	17600	16000	20900	26500
MIN	10600	15400	5500	2980	7080	4200	2620	2430	4230	10200	14600	11600
CAL YR 1975 TOTAL 4147490 MEAN 11360 MAX 26500 MIN 2430												

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12303000 KOOTENAI RIVER AT LIRBY, MT.				STREAM			SOURCE AGENCY USGS									
LATITUDE 482403	LONGITUDE 1153308	DRAINAGE AREA		10240.00	DATUM 2041.54	STATE 30	COUNTY 053										
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976																	
MEAN VALUES																	
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					
1	26200	23300	12200	14300	4990	5120	5760	16000	14400	11800	17700	12300					
2	26100	23100	13900	14200	5640	6870	5340	19600	14000	14100	15300	10400					
3	26100	23100	18300	13800	6320	8010	6290	19600	14100	14400	15200	10500					
4	26100	23200	18200	13800	6620	7370	6570	19400	11200	14200	15300	10500					
5	25800	23100	18200	12700	6590	4970	6540	19600	11200	14500	15500	10500					
6	25900	23300	18300	10200	6520	5040	8600	22900	11200	11600	20300	12500					
7	26200	21500	18400	8780	6720	7720	15300	30100	14000	13000	20400	12800					
8	26300	20300	19000	9230	7370	8100	18500	25100	11800	19300	20400	12800					
9	26500	20200	21300	11400	8360	10700	19000	21000	11200	13000	20400	12700					
10	26500	20200	21600	12600	8930	9140	20100	23800	11100	12300	20600	13200					
11	26400	20300	19400	12700	10200	8190	19800	23100	8190	11800	20800	10900					
12	26300	19000	15800	13300	9230	5190	16900	20000	7800	13600	20900	10400					
13	26400	16200	15200	13400	8510	4920	15100	19400	10800	15800	6910	12300					
14	26500	16200	15100	12900	8480	5890	14900	19300	8930	16100	5180	12800					
15	26500	16100	15100	12300	8130	5540	15400	19400	11100	15800	12600	13900					
16	26500	16000	14500	8360	7400	5970	21500	19400	9110	15700	12400	14300					
17	26400	16000	14500	5990	7720	6750	26100	17700	11700	16000	13500	10500					
18	26600	16000	13500	5690	7190	6370	26100	17600	11100	16100	14800	18800					
19	22900	15000	12700	5370	6870	5040	23100	17600	11100	16200	14700	19300					
20	19500	13200	10700	5240	7050	5270	19600	19400	12900	19900	9480	16100					
21	27000	13300	10700	5220	6670	6240	19300	18500	13400	20100	8770	16000					
22	26600	13100	10600	4940	5540	5740	13900	18300	14400	17900	14000	15600					
23	26600	13400	9750	4720	5810	5640	9840	16700	14500	17900	15000	17500					
24	26700	13500	8410	4650	6540	5540	13800	16700	14500	20300	15700	18000					
25	26700	13400	8040	4720	6270	5370	18000	16000	14300	20300	9340	18200					
26	26400	13300	7860	4720	5760	3970	17400	15100	8780	20400	9340	18200					
27	26500	13100	7170	4700	5540	4130	15800	15400	9600	17700	9250	18300					
28	26700	12600	6820	4700	5840	5370	17300	19300	9600	17500	14300	17800					
29	26600	12300	6800	4600	5240	5270	17600	18500	7800	19900	31800	17900					
30	26100	---	7250	4700	5140	5540	19100	16400	10100	20000	17900	17900					
31	23300	---	14100	---	5020	---	15600	17400	---	20100	---	18100					
TOTAL	804900	503300	423800	264000	212210	184980	488140	598300	343910	507300	457770	451000					
MEAN	25960	17360	13670	8800	6845	6166	15750	19300	11460	16360	15260	14550					
MAX	27000	23300	21600	14300	10200	10700	26100	30100	14500	20400	31800	19300					
MIN	19500	12300	6800	4650	4990	3970	5340	15100	7800	11600	5180	10400					
CAL YR 1976 TOTAL	5239610											MEAN	14320	MAX	31800	MIN	3970

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12303000 KOOTENAI RIVER AT LIRBY, MT.				STREAM			SOURCE AGENCY USGS									
LATITUDE 482403	LONGITUDE 1153308	DRAINAGE AREA		10240.00	DATUM 2041.54	STATE 30	COUNTY 053										
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977																	
MEAN VALUES																	
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					
1	18000	9360	13200	13000	5080	3590	10700	8560	4160	9590	19900	16200					
2	18000	9430	13600	13400	10400	3830	6140	9450	4150	7470	19900	17200					
3	20500	9490	19000	7620	14700	3650	3650	9410	4170	11700	20900	5680					
4	18200	19200	13400	11500	15900	3660	3200	15200	4240	16800	20900	5420					
5	18200	10300	3430	13100	14400	3910	3200	15500	4360	12100	12700	10000					
6	20200	9720	3380	13300	13000	6300	6490	12000	4750	13200	20600	7860					
7	17600	14100	5060	13200	6390	4040	11300	5280	7850	15700	19500	4890					
8	20000	14500	7840	13300	4150	4200	10500	8900	5150	8000	14900	10800					
9	20200	18900	8830	5880	4470	3910	11900	7900	5370	5300	20100	18400					
10	20200	19300	19200	4300	4680	3640	10900	7210	4400	7080	20300	7140					
11	16900	19200	16900	11800	4800	3540	11900	4560	4160	9960	20300	4760					
12	16400	4560	6390	13200	4440	3440	11900	4140	4130	15000	7200	8470					
13	13900	3430	3470	13300	4240	3470	11800	4120	4120	14700	4490	7830					
14	15600	13100	9660	8600	4200	3400	12100	4110	4110	13900	12400	7190					
15	7170	19300	11000	7390	4140	5480	11300	5830	4220	5680	11800	5420					
16	5090	18900	6990	4010	4040	3400	9860	14300	4490	4250	12500	9640					
17	14200	4960	7290	4020	8010	3280	6940	14800	4430	9540	13500	5310					
18	13100	3420	7290	4070	4450	3240	7700	14700	4220	5190	20200	5020					
19	5290	3400	4070	4020	3990	3240	10900	7860	13100	19600	19600	4850					
20	4700	3380	3490	3960	3900	3240	14500	6330	9430	20300	19900	6040					
21	3330	3390	11700	6780	3920	3320	14700	4130	9440	10100	19900	5540					
22	3300	3640	13200	7650	3960	3320	14700	7180	9410	13800	19900	4650					
23	3280	13000	12900	4570	4000	3330	14700	8570	5670	6720	19900	4620					
24	9600	14100	13000	3800	3960	3300	13500	7860	5040	13800	19800	4530					
25	10100	5740	10600	11500	3750	3660	12600	7250	4210	11300	20000	4450					
26	13600	3400	5760	13200	3740	3760	15300	6640	7790	7970	19000	4430					
27	13700	3360	4500	12700	3730	3330	15500	4180	8780	8090	5060	12400					
28	13600	3500	11600	13300	3610	6210	15500	4150	17200	8660	11500	14100					
29	5450	---	17600	13500	3530	9990	15600	5500	20300	6730	18900	14200					
30	3250	---	11800	6560	3460	10800	8960	4360	20400	4370	13600	14200					
31	7720	---	13200	---	3420	---	5030	4180	---	12400	---	6520					
TOTAL	390380	278080	309350	276530	180460	127480	335270	247200	208010	322500	499150	257780					
MEAN	12590	9931	9979	9218	5821	4249	10820	7974	6934	10400	16640	8315					
MAX	20500	19300	19200	13500	15900	10800	15500	20400	20400	20300	20900	18400					
MIN	3250	3360	3380	3800	3420	3240	3200	4110	4110	4250	4490	4430					
CAL YR 1977 TOTAL	3432190											MEAN	9403	MAX	20900	MIN	3200

TABLE 113. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12303000 KOOTENAI RIVER AT LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1153308 DRAINAGE AREA 10240.00 DATUM 2041.54 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4280	13100	12800	7430	5780	5610	18200	11700	11900	14400	20400	21900
2	12400	13200	8690	6670	6110	6240	16300	11400	4660	14400	19800	21900
3	14100	13300	5400	6050	6290	7250	18500	11400	4160	14500	20400	21800
4	14100	5810	4350	5570	6000	7670	19000	11700	4050	14500	20600	21400
5	14200	4200	4300	5280	5610	7980	19000	11400	8250	12600	20600	21800
6	12900	10100	4310	4950	5290	9710	19800	11500	14300	14500	20700	22000
7	4510	11300	4300	4690	5110	11000	20600	11400	14300	11700	20600	22200
8	4420	11000	4380	4500	4940	12000	15600	10800	14400	14500	20800	22300
9	12400	11100	4440	4390	5060	13900	10300	13500	14500	14500	20800	22600
10	14000	11100	4360	4310	6200	10000	14600	15100	14400	14500	20800	8000
11	14100	5910	4360	4380	6610	5660	15400	15100	8490	11000	20800	11500
12	13800	4240	4380	4420	5970	8430	15300	12400	9590	10500	20800	22500
13	13500	9850	4380	4360	5260	11900	15400	4620	9570	11000	20900	22400
14	5930	9000	4360	4330	5940	12100	15400	6670	9680	9900	21000	19700
15	4370	11400	4370	4290	7100	12000	12900	8680	10600	10300	21100	21800
16	11900	11300	4360	4330	6820	9690	9380	4600	4810	11900	17600	22000
17	13500	9020	4380	4320	6320	6090	14500	8570	4080	9170	17600	18100
18	13400	5990	3630	4270	6130	5530	15600	9640	6130	8030	14500	14900
19	13600	4290	3660	4210	6020	10400	15600	5220	9770	9210	20900	21600
20	13400	9740	3860	4240	6110	10400	9500	4130	9730	8900	21000	21800
21	5800	11300	4020	4340	6330	6000	5070	8580	11600	10100	21000	21800
22	4200	11400	4190	4350	6800	5430	4290	10300	14400	9850	20800	21400
23	11500	11300	4440	4290	6080	5360	4250	10200	14400	6870	16300	21400
24	12500	12100	5120	4240	6280	5240	5200	10200	14500	12000	14600	21200
25	13100	6030	5270	4210	6150	5170	8230	9670	14500	14500	21300	21100
26	13200	4210	5240	4300	5890	8790	9840	7490	14500	14600	21400	20900
27	13200	10600	5540	4800	5760	11800	10700	5540	14400	17800	21500	16600
28	5790	12600	6040	5440	5880	9680	14500	7520	14400	18000	21600	20800
29	4260	---	6310	5540	6080	14600	12200	11100	14400	18200	21600	20900
30	11600	---	6590	5440	5850	14500	9720	11600	14400	18100	21800	20900
31	13000	---	7730	---	6960	---	11900	10200	---	19100	---	20900
TOTAL	332960	264490	159560	143940	186730	270130	406780	301930	328870	399130	603600	630100
MEAN	10740	9446	5147	4798	6024	9004	13120	9740	10960	12880	20120	20330
MAX	14200	13300	12800	7430	7100	14600	20600	15100	14500	19100	21800	22600
MIN	4200	4200	3630	4210	4940	5170	4250	4130	4050	6870	14500	8000

CAL YR 1978 TOTAL 4028220 MEAN 11040 MAX 22600 MIN 3630

TABLE 114. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12305000 KOOTENAI RIVER AT LEONIA IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 483704 LONGITUDE 1160247 DRAINAGE AREA 11740.00 DATUM 1790.25 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										12600	20500	17500
2										8170	20600	19300
3										11600	21800	8290
4										19500	21600	7010
5										10300	15900	10300
6										12900	18900	9890
7										16200	20600	6410
8										10400	18400	8370
9										7950	17600	18900
10										6040	20800	11600
11										10800	20800	6020
12										13000	11700	9220
13										15300	5390	8100
14										15100	10600	10800
15										9340	12800	7710
16										4770	13300	10200
17										8270	13200	8850
18										7530	20700	6880
19										9690	20400	6430
20										20600	19900	6160
21										14400	20300	8050
22										10400	20200	5970
23										11000	20300	5930
24										10400	20200	5720
25										13700	20400	5440
26										9390	21100	5440
27										8000	8850	9570
28										9340	8800	14800
29										9170	20600	15000
30										5050	14100	15000
31										9320	---	10500
TOTAL										340230	520340	299360
MEAN										10980	17340	9657
MAX										20600	21800	19300
MIN										4770	5390	5440

TABLE 114. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12305000 KOOTENAI RIVER AT LEONIA IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 483704 LONGITUDE 1160247 DRAINAGE AREA 11740.00 DATUM 1790.25 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5100	13700	13400	14200	11900	10800	19500	12500	11600	14900	20000	22000
2	9290	13900	12200	12300	12800	11300	17800	12400	10500	14900	19300	22000
3	19400	13900	6160	10800	13300	13400	20300	12300	5800	14900	20200	22100
4	14900	9900	5460	9890	12500	14700	20800	12500	5200	15000	20900	21400
5	15100	5070	5080	9390	11200	15600	20800	12200	6600	13600	20900	21800
6	15600	8080	5000	8850	10400	16900	21300	12300	12500	14500	20700	21900
7	7660	12200	4980	8290	9890	18600	22500	12100	13800	12300	20500	22100
8	5480	11900	5060	7850	9670	17300	17500	11800	14600	14900	20700	22200
9	9590	11800	5300	7570	10100	20400	14800	13000	14800	14900	20700	22600
10	14800	11900	5210	7440	13200	17400	14400	15700	15000	14900	20600	11900
11	14900	8990	5170	7710	14300	11500	17500	15700	13000	11600	20500	9390
12	14700	5060	5170	7920	13000	10900	17100	14600	9600	11100	20600	21800
13	14300	7750	5190	7660	11400	15800	17100	7710	10400	11600	20700	22500
14	10200	9520	5150	7460	12500	16200	16900	6750	10400	10400	20700	21000
15	5350	12200	5130	7280	17200	15800	15500	7950	11400	10800	20800	21000
16	9420	12000	5150	7300	17700	14200	12400	7680	7270	12400	17500	22100
17	14100	9560	5170	7440	15900	11100	13500	7080	4800	9870	17500	21600
18	14200	9580	4760	7230	15100	8850	17100	10400	5210	9290	15000	12000
19	14300	5040	4540	7120	14700	11600	17100	8440	10400	9020	20900	21700
20	14200	7710	4870	7390	15000	14500	13600	4980	10500	9640	21000	21900
21	9880	11900	5220	7830	15800	10400	7900	6900	11200	10900	21100	22000
22	5130	12000	5660	7800	16800	8770	5630	10700	14900	10500	21000	21700
23	9020	12100	6220	7550	15000	8370	5500	11000	15000	7640	16800	21500
24	13300	12600	7920	7230	13500	8170	5400	11000	15100	12400	14600	21500
25	13800	9840	8700	7150	12900	7920	8800	11500	15000	14100	21600	21100
26	13900	5020	8720	7590	11900	9370	10200	9200	15000	15400	21600	21000
27	13800	8220	9490	9290	11200	14500	11500	8300	15000	18100	21700	16800
28	9820	13300	10300	11300	11300	12700	15300	6400	15000	18100	21800	20400
29	5120	---	11000	11900	11700	15300	13200	9300	14900	18000	21800	20700
30	9030	---	12200	11800	11200	16600	12000	11800	14900	17700	21900	20800
31	13700	---	15100	---	12100	---	11700	11800	---	18700	---	20600
TOTAL	359090	284740	218680	260530	405160	398950	454630	325990	349380	412060	603600	633090
MEAN	11580	10170	7054	8684	13070	13300	14670	10520	11650	13290	20120	20420
MAX	19400	13900	15100	14200	17700	20400	22500	15700	15100	18700	21900	22600
MIN	5100	5020	4540	7120	9670	7920	5400	4980	4800	7640	14600	9390

CAL YR 1978 TOTAL 4705900 MEAN 12890 MAX 22600 MIN 4540

TABLE 114. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12305000 KOOTENAI RIVER AT LEONIA IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 483704 LONGITUDE 1160247 DRAINAGE AREA 11740.00 DATUM 1790.25 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										12600	20500	17500
2										8170	20600	19300
3										11600	21800	8290
4										19500	21600	7010
5										10300	15900	10300
6										12900	18900	9890
7										16200	20600	6410
8										10400	18400	8370
9										7950	17600	18900
10										6040	20800	11600
11										10800	20800	6020
12										13000	11700	9220
13										15300	5390	8100
14										15100	10600	10800
15										9340	12800	7710
16										4770	13300	10200
17										8270	13200	8850
18										7530	20700	6880
19										9690	20400	6430
20										20600	19900	6160
21										14400	20300	8050
22										10400	20200	5970
23										11000	20300	5930
24										10400	20200	5720
25										13700	20400	5440
26										9390	21100	5440
27										8000	8850	9570
28										9340	8800	14800
29										9170	20600	15000
30										5050	14100	15000
31										9320	---	10500
TOTAL										340230	520340	299360
MEAN										10980	17340	9657
MAX										20600	21800	19300
MIN										4770	5390	5440

TABLE 114. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12305000 KOOTENAI RIVER AT LEONIA IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 483704 LONGITUDE 1160247 DRAINAGE AREA 11740.00 DATUM 1790.25 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5100	13700	13400	14200	11900	10800	19500	12500	11600	14900	20000	22000
2	9290	13900	12200	12300	12800	11300	17800	12400	10500	14900	19300	22000
3	19400	13900	6160	10800	13300	13400	20300	12300	5800	14900	20200	22100
4	14900	9900	5460	9890	12500	14700	20800	12500	5200	15000	20900	21400
5	15100	5070	5080	9390	11200	15600	20800	12200	6600	13600	20900	21800
6	15600	8080	5000	8850	10400	16900	21300	12300	12500	14500	20700	21900
7	7660	12200	4980	8290	9890	18600	22500	12100	13800	12300	20500	22100
8	5480	11900	5060	7850	9670	17300	17500	11800	14600	14900	20700	22200
9	9590	11800	5300	7570	10100	20400	14800	13000	14800	14900	20700	22600
10	14800	11900	5210	7440	13200	17400	14400	15700	15000	14900	20600	11900
11	14900	8990	5170	7710	14300	11500	17500	15700	13000	11600	20500	9390
12	14700	5060	5170	7920	13000	10900	17100	14600	9600	11100	20600	21800
13	14300	7750	5190	7660	11400	15800	17100	7710	10400	11600	20700	22500
14	10200	9520	5150	7460	12500	16200	16900	6750	10400	10400	20700	21000
15	5350	12200	5130	7280	17200	15800	15500	7950	11400	10800	20800	21000
16	9420	12000	5150	7300	17700	14200	12400	7680	7270	12400	17500	22100
17	14100	9560	5170	7440	15900	11100	13500	7080	4800	9870	17500	21600
18	14200	9580	4760	7230	15100	8850	17100	10400	5210	9290	15000	12000
19	14300	5040	4540	7120	14700	11600	17100	8440	10400	9020	20900	21700
20	14200	7710	4870	7390	15000	14500	13600	4980	10500	9640	21000	21900
21	9880	11900	5220	7830	15800	10400	7900	6900	11200	10900	21100	22000
22	5130	12000	5660	7800	16800	8770	5630	10700	14900	10500	21000	21700
23	9020	12100	6220	7550	15000	8370	5500	11000	15000	7640	16800	21500
24	13300	12600	7920	7230	13500	8170	5400	11000	15100	12400	14600	21500
25	13800	9840	8700	7150	12900	7920	8800	11500	15000	14100	21600	21100
26	13900	5020	8720	7590	11900	9370	10200	9200	15000	15400	21600	21000
27	13800	8220	9490	9290	11200	14500	11500	8300	15000	18100	21700	16800
28	9820	13300	10300	11300	11300	12700	15300	6400	15000	18100	21800	20400
29	5120	---	11000	11900	11700	15300	13200	9300	14900	18000	21800	20700
30	9030	---	12200	11800	11200	16600	12000	11800	14900	17700	21900	20800
31	13700	---	15100	---	12100	---	11700	11800	---	18700	---	20600
TOTAL	359090	284740	218680	260530	405160	398950	454630	325990	349380	412060	603600	633090
MEAN	11580	10170	7054	8684	13070	13300	14670	10520	11650	13290	20120	20420
MAX	19400	13900	15100	14200	17700	20400	22500	15700	15100	18700	21900	22600
MIN	5100	5020	4540	7120	9670	7920	5400	4980	4800	7640	14600	9390

CAL YR 1978 TOTAL 4705900 MEAN 12890 MAX 22600 MIN 4540

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2250	2460	17300	9490	17300	56200	37300	34300	7510	32800	28100	12300
2	2300	2630	13500	9590	17800	53900	36600	31200	8020	33100	26800	8120
3	2500	2830	11000	10900	18900	51000	35500	36100	7730	33600	26000	5400
4	2700	3160	9430	11400	20200	47800	34300	36200	7290	34100	25800	5200
5	2850	3520	8610	11800	22200	46800	34400	26500	6340	34600	28200	4500
6	2900	3670	9090	12500	25000	47400	25300	20400	7330	35200	31100	3800
7	2950	3290	10200	13500	27300	48200	18500	17700	7640	34700	33300	3500
8	2800	3230	9520	15200	27700	48300	11900	17100	7750	33100	33000	3400
9	2700	3410	9060	17100	26800	48300	9280	21000	8160	31000	32000	3450
10	2500	3480	8890	16600	26000	48700	9070	21200	8740	30400	30400	3500
11	2400	3620	10300	16000	29800	48500	8480	18100	8800	31200	30000	3700
12	2300	3730	12300	15600	31400	47500	8140	17100	8670	33200	30200	3910
13	2300	3890	13500	15200	34900	47600	9390	15500	17400	36000	29500	4000
14	2300	4000	16600	14700	42100	46700	13900	14900	30900	35700	28800	3900
15	2350	4050	17500	14100	49400	46400	27800	13300	32600	33400	28000	3950
16	2400	4050	17800	14100	52500	46400	31700	14800	32400	31800	26400	4000
17	2500	4970	27100	13800	54600	46300	30000	17800	30600	33500	25400	4100
18	2700	5400	26800	13300	56700	45600	24900	16800	31500	32500	23800	4250
19	3000	5410	27300	11800	53300	45000	18600	7740	32700	31700	22800	4300
20	3300	5270	25700	10600	51100	44400	34900	5270	32900	32200	22000	4300
21	3550	4930	23500	10500	51400	44900	33200	6010	33200	31600	21600	4300
22	3550	5330	18200	10700	52400	44900	30000	5600	32800	30900	21400	4400
23	3350	5300	16300	11600	51900	44500	25400	5630	15500	30500	21100	4500
24	3000	5220	16300	12900	49700	44700	23700	5650	15000	30500	20800	4600
25	2700	4980	15200	12300	46400	43800	28800	5460	28900	30600	19500	4600
26	2400	4810	13700	11900	44100	43500	29500	5450	31500	30700	19800	4500
27	2300	4990	12400	12000	42900	43100	27700	5220	32300	30600	20100	4700
28	2150	7370	11300	13200	44400	39200	26300	5180	31600	30500	18600	5800
29	2050	14500	10300	15500	48000	38400	34500	5570	31400	30300	17100	6600
30	1950	---	9870	17900	49400	37600	35900	6040	31300	29900	16800	7000
31	1900	---	9780	---	53900	---	35600	6400	---	29100	---	6900
TOTAL	80900	133900	453350	394880	1219500	1385600	792560	465220	618480	999000	758400	151480
MEAN	2610	4617	14620	13160	39340	46190	25570	15010	20620	32230	25280	4886
MAX	3550	14500	27300	17100	56700	56200	37300	36200	33200	36000	33300	12300
MIN	1900	2460	8610	9490	17300	37600	8140	5180	6340	29100	16800	3400

CAL YR 1972 TOTAL 7453270 MEAN 20360 MAX 56700 MIN 1900

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM		SOURCE AGENCY USGS				
LATITUDE 485443		LONGITUDE 1162459		DRAINAGE AREA 13400.00		DATUM 1700.00		STATE 16 COUNTY 021				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6800	4630	4450	5420	8720	11600	4990	4410	20000	10400	8800	6160
2	6600	4550	4550	5470	8430	10900	4590	4480	19900	10500	8580	5860
3	6200	4710	4550	5440	8540	9920	4380	4480	19900	10700	10300	5310
4	5700	5770	4480	5450	9020	9020	4150	4380	20000	10800	11600	5430
5	5400	6210	4340	5330	9700	8810	4150	4510	25100	10800	11400	4960
6	3500	5330	4340	5730	10300	9210	4360	4780	25300	11900	11400	4870
7	2600	3940	4290	5980	11700	10300	4230	4610	25200	10900	12100	5080
8	2550	3820	4290	5910	12300	11000	4090	4480	21100	11100	11400	5610
9	2550	3750	4170	5860	12100	12300	3920	4400	19700	11000	11700	5000
10	2600	4000	4340	5900	11400	10700	4930	4370	19600	11700	12800	4720
11	2650	4040	4920	5980	10600	9320	7550	4510	19600	11200	15800	5130
12	2800	3840	5120	6370	9890	8670	7880	4490	20100	10900	21300	5000
13	3000	3820	4850	6900	9800	8310	7930	4410	20100	10900	19900	5090
14	3300	3720	4710	7920	11000	7990	13700	4360	20100	11000	13000	5080
15	3600	3740	4590	8310	13600	7810	15700	4340	20300	11200	10000	5050
16	4400	3780	4680	8250	17900	7430	10100	6690	20700	10900	10700	6630
17	4800	3820	4640	8260	22800	7110	9350	7210	20600	11000	8350	9620
18	5000	3840	4920	8110	25200	6800	9080	7920	20700	10900	6310	9450
19	4900	3920	4870	7110	24500	7560	9150	12900	23300	10900	5420	8210
20	4800	3840	4840	6730	22600	8220	9220	14400	22800	11000	4910	7510
21	4700	3920	4850	6690	18800	8120	9190	14300	13100	11100	10600	7260
22	4600	4000	4920	6500	15600	8780	9130	14200	19400	11400	11700	7120
23	4500	3940	5090	6830	14300	10800	9070	18400	21000	11300	11000	6790
24	4500	4020	5130	7310	13700	11900	6010	19300	22700	12500	11000	6560
25	4500	4040	5200	7740	15100	11900	5050	19300	20900	10300	11100	6630
26	4550	4160	5240	7860	14700	12200	5310	19800	20500	8630	11000	6280
27	4600	4390	5410	8010	12700	12200	5180	19800	20600	8740	12500	6330
28	4650	4430	5360	9020	11400	11800	4980	19600	20700	8570	10400	5830
29	4700	---	5510	9390	10700	9730	4800	19900	12100	8990	6730	5700
30	4750	---	5530	9130	10600	6450	4720	19800	10500	8830	6190	5300
31	4760	---	5400	---	11100	---	4530	19600	---	8920	---	5000
TOTAL	134560	117970	149580	208910	418800	286860	211420	320130	605600	329180	327990	188570
MEAN	4341	4213	4825	6964	13511	9562	6820	10330	20190	10620	10930	6083
MAX	6800	6210	5530	9390	25200	12300	15700	19900	25300	12500	21300	9620
MIN	2550	3720	4170	5330	8430	6450	3920	4340	10500	8570	4910	4720
CAL YR 1973 TOTAL	3299570		MEAN 9040		MAX 25300		MIN 2550					

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER		12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM		SOURCE AGENCY USGS				
LATITUDE 485443		LONGITUDE 1162459		DRAINAGE AREA 13400.00		DATUM 1700.00		STATE 16 COUNTY 021				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4590	23400	21500	14700	48800	36200	47700	31400	9580	17800	25000	11600
2	4550	23200	21500	14200	49000	36600	46900	19300	9120	11400	24900	11500
3	4500	22700	21300	15400	46500	40500	40000	20300	9120	20900	25000	11600
4	4700	22500	21100	15000	42900	44300	34800	18900	17300	26100	25000	13800
5	14900	22300	21000	14600	42200	44300	33300	26100	19200	27800	17800	14200
6	20800	22000	19400	14300	44300	41300	24000	26300	19500	27600	16600	14200
7	19800	22000	17500	14200	47700	39100	22100	16700	19400	27400	16700	14200
8	19000	22100	17400	14100	44700	37400	21500	11900	13700	27400	16800	14000
9	18700	22600	17500	14200	42700	37000	23200	15400	7730	24900	16600	14000
10	18700	22400	17800	14500	38900	34100	24000	16000	7020	24700	16400	14200
11	19300	22200	17600	16800	34000	36400	23000	15300	7000	24700	16200	14300
12	19700	22000	17500	18700	30400	39600	22700	15300	6940	24700	21100	14200
13	19100	21300	17800	18800	27900	45800	21200	13800	6670	24800	24900	14200
14	19400	21100	17800	18200	25700	47000	24700	13000	6610	25000	24200	15800
15	27100	21500	18000	18300	27500	47400	20400	13400	6610	24800	24400	16500
16	52900	21600	17000	19800	27800	48600	19300	13500	5700	24900	24600	16500
17	54100	21700	18100	22700	26800	49100	15000	13200	4570	24900	23500	16500
18	38500	21500	19700	25200	26200	47300	9580	13000	6470	24900	23100	16500
19	26100	21500	18800	26200	25800	44500	9230	12800	6510	25100	23400	16500
20	21100	21400	14400	26500	25300	42300	9220	12600	6460	24900	25100	16600
21	17200	21600	12500	26700	25200	39900	8690	12400	6480	24900	27500	16900
22	14500	21600	11000	25700	26100	37400	12500	11500	6440	24900	30300	17600
23	13400	21500	8940	25600	28300	36500	21100	11200	10300	24900	22200	17400
24	12500	21400	8560	28600	30400	35300	27000	11100	15600	24900	18900	17000
25	12100	21400	8430	35100	31900	33900	21500	11100	20300	24800	18100	17000
26	11600	21300	8340	41600	35800	35400	26300	11100	21200	24400	17900	16800
27	11200	21200	8800	44700	41600	38400	31800	11000	22100	25100	12900	13400
28	10700	21200	10500	47500	42300	41600	24100	10900	21300	24800	11700	11500
29	12400	---	14000	45800	41100	47400	24700	10900	22600	24300	11600	11200
30	20500	---	15500	45700	39600	47900	16600	10500	22400	24900	11600	11200
31	23100	---	15500	---	38300	---	23400	10200	---	25100	---	11200
TOTAL	586740	612200	494770	723400	1105700	1232500	729520	460100	363930	757700	614000	452100
MEAN	18930	21860	15960	24110	35670	41080	23530	14840	12130	24440	20470	14580
MAX	54100	23400	21500	47500	49000	49100	47700	31400	22600	27800	30300	17600
MIN	4500	21100	8340	14100	25200	33900	8690	10200	4570	11400	11600	11200
CAL YR 1974 TOTAL	8132660		MEAN 22280		MAX 54100		MIN 4500					

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM			SOURCE AGENCY USGS				
LATITUDE 485443	LONGITUDE 1162459	DRAINAGE AREA		13400.00	DATUM	1700.00	STATE 16	COUNTY 021				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11400	26900	17000	6820	17900	31300	8670	3790	5870	10400	16300	18400
2	11300	28000	17400	6610	18000	32300	9320	3730	5670	10800	16400	17000
3	11200	27700	17800	6730	18200	35000	10200	3640	5590	10200	17500	22700
4	11200	27800	18300	6930	20200	33400	10600	3510	5420	10400	18800	38200
5	10900	27900	18600	5760	20200	31400	10300	3420	5060	10700	18600	38500
6	11000	27800	18500	4390	20700	32000	9720	3420	4970	10700	17800	29800
7	11100	26300	18500	4300	21800	30600	9720	3500	4970	10900	16300	22800
8	12700	25600	18500	4160	23300	26900	9050	3570	5100	11200	17700	19400
9	12700	25600	18300	4140	25600	24100	8850	3550	5120	10700	17500	18300
10	12900	25600	18400	4060	28600	22200	8460	3560	9730	10600	17700	22600
11	12800	25500	18400	4040	31800	22300	7800	3420	16100	11300	17400	23700
12	12600	26300	18500	4210	33700	23200	8220	3440	17100	10800	16900	27100
13	12600	26700	18500	4520	34200	24300	7960	3640	11600	10600	16500	27900
14	15500	26800	16400	5060	30900	22200	7190	3270	10400	10700	16600	28100
15	15900	25200	11800	5950	32700	20200	7480	3530	10400	10200	17700	28300
16	15900	23600	11000	7150	36300	19400	6980	3280	10300	10700	19200	27300
17	15900	23500	11000	8130	36000	18000	6530	3330	8420	10600	19300	26600
18	15900	23100	11300	9180	34000	16400	6350	3470	8230	10500	19900	26300
19	16000	19100	11700	10100	35300	15900	6160	4980	8290	10500	19200	26700
20	16000	17900	11700	11500	30500	15400	5970	4390	8180	10700	19000	22900
21	19500	20500	11700	12400	26100	15700	5840	4080	8040	10900	18800	15100
22	19900	20500	10100	12300	24300	14700	5760	3920	7890	11200	19000	14000
23	19700	20600	9190	12000	24200	13900	5070	4600	7820	10100	19000	22700
24	19700	20700	9040	12300	24800	14400	4190	4980	7760	14100	20800	28100
25	19600	19900	8920	12800	22500	14100	4130	5140	7850	15600	22200	28700
26	18800	19200	7720	14300	20000	12500	4050	5400	8060	16000	22500	28900
27	19300	19400	6950	15900	18900	11600	3950	5330	8100	15800	22200	29000
28	23600	18100	6760	17100	19400	10800	3690	4590	9850	15800	21900	28800
29	24000	---	6700	17100	21600	10100	3740	4710	10100	15700	21400	28700
30	23700	---	6870	17500	25400	9160	3800	5000	9980	16000	21300	28700
31	24500	---	6860	---	29300	---	3810	5810	---	16400	---	28900
TOTAL	497800	665800	412410	267440	806400	623460	213560	126000	251970	370800	565400	793500
MEAN	16060	23780	13300	8915	26010	20780	6889	4065	8399	11960	18850	25600
MAX	24500	28000	18600	17500	36300	35000	10600	5810	17100	16400	22500	38500
MIN	10900	17900	6700	4040	17900	9160	3690	3270	4970	10100	16300	14000
CAL YR 1975 TOTAL	5594540	MEAN	15330	MAX	38500	MIN	3270					

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM			SOURCE AGENCY USGS				
LATITUDE 485443	LONGITUDE 1162459	DRAINAGE AREA		13400.00	DATUM	1700.00	STATE 16	COUNTY 021				
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28600	26100	13500	16100	11900	12200	9500	14000	16200	10500	21300	16100
2	28700	25900	13200	16900	14600	11500	9070	18200	14400	11800	16600	11800
3	28800	25800	17000	16600	17800	13900	8750	20100	14400	14300	15900	11300
4	28800	25600	19600	16600	20700	12700	8630	19700	14700	14200	15800	11100
5	28800	25300	19800	17300	21600	12200	8740	19500	11400	14200	15800	11000
6	28500	25300	20000	15600	21600	10000	8620	19900	11300	12600	18600	11700
7	28800	25600	20200	15500	23100	11000	12800	27400	11600	11600	21500	13300
8	28800	23100	20300	16100	27000	14600	21500	29200	13200	17000	21400	13500
9	29000	22500	21800	19700	31500	16400	21400	23500	11500	16900	21600	13300
10	29100	22400	23600	22000	34000	19900	21600	22800	11200	12500	21600	13800
11	29000	22400	24100	23900	39900	15500	22100	23900	11400	11700	21600	13500
12	29000	22600	19500	26600	37500	14400	21400	22600	8060	12000	21600	11000
13	28900	19800	17400	28800	32400	11000	16900	19800	8000	14900	16200	10800
14	29100	18300	16800	27400	30900	9690	16300	19600	10900	16200	5740	13100
15	29300	18200	16600	25100	28700	10800	15900	19700	9590	16100	6230	13700
16	29300	18100	16400	22600	25500	12000	19300	19900	10900	16000	17500	14700
17	29500	18100	15900	16500	24700	15000	25300	19000	9570	15800	9360	14300
18	29500	18000	15800	13300	23000	14900	27600	18000	11500	16000	15300	15200
19	29900	17700	15200	12200	21200	13700	27000	17900	11100	16100	15700	20000
20	21200	15500	13700	11400	21100	11900	21000	19000	11000	18800	15200	18100
21	26400	14600	12200	11200	20400	10900	19800	19100	14300	20100	9180	16900
22	29500	14500	12100	10800	18500	11300	17800	18600	13900	18100	9630	16500
23	29500	14400	11700	10100	17800	11100	11200	18800	14200	17600	17500	16100
24	29400	14600	11000	9690	19700	10400	9320	16400	14200	19600	15500	19000
25	29400	15100	10300	9970	20100	10200	17900	16900	14200	20500	13400	19200
26	29300	15000	9660	10400	18200	9660	16600	16300	11900	20500	10200	19500
27	29200	14700	9330	10100	16300	7780	18400	16000	9360	18500	9780	19500
28	29400	14300	8350	9940	17500	7650	15000	19200	9480	17900	9880	19600
29	29600	13800	8130	10000	16300	9140	17100	20000	9410	20200	21500	18900
30	29500	---	8040	10500	14100	9420	18400	17000	9110	20900	31700	18900
31	27600	---	11100	---	13100	---	18200	17400	---	21200	---	18900
TOTAL	891400	567300	472310	482900	700700	360840	523130	609400	351980	504300	482800	474300
MEAN	28750	19560	15240	16100	22600	12030	16880	19660	11730	16270	16090	15300
MAX	29900	26100	24100	28800	39900	19900	27600	29200	16200	21200	31700	20000
MIN	21200	13800	8040	9690	11900	7650	8620	14000	8000	10500	5740	10800
CAL YR 1976 TOTAL	6421360	MEAN	17540	MAX	39900	MIN	5740					

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM	SOURCE AGENCY USGS						
LATITUDE 485443	LONGITUDE 1162459	DRAINAGE AREA	13400.00	DATUM	1700.00	STATE 16	COUNTY 021					
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18900	9760	6200	14000	12000	6230	11000	4630	4620	16400	19100	16900
2	18800	10200	15400	13800	12100	6430	10600	9320	4550	7640	20700	17200
3	20700	10300	19700	14000	20800	6480	5560	9710	4550	8600	21800	12100
4	21500	15000	20600	6830	23200	6400	4060	9110	4820	19100	21900	6450
5	19200	16900	12000	12900	22800	6900	4080	15300	5120	10500	20400	6990
6	19500	10800	4360	13900	20500	6870	3970	14900	4910	12700	14600	10800
7	20600	11400	4230	14500	17500	8910	8320	10500	5800	15500	21400	7870
8	18900	15900	7900	15000	9560	7580	11400	4500	8060	15000	19700	5380
9	21200	20000	9030	15500	9100	7820	10500	9490	4450	7920	15100	16500
10	21300	21600	15200	6910	9870	6840	11700	6840	5920	4880	20800	15400
11	20800	22000	20700	6290	10600	6400	11100	7120	4640	8630	20800	5190
12	18300	16400	17700	14600	10300	6160	12000	4350	4560	11100	16100	7200
13	12600	4390	5080	15400	9240	6060	11700	4370	4560	15100	4080	9730
14	15500	5450	4880	15600	8790	6010	12100	4550	4310	15000	6700	10700
15	15400	20300	12000	9920	8520	5900	11800	4480	4830	13300	12700	7280
16	5910	22500	12100	8250	8190	7470	11400	7700	4910	4480	12700	7710
17	6840	17900	7710	5780	8110	5580	9850	14200	5350	5940	12700	11300
18	16200	4850	8000	5670	11900	5410	5650	14100	4880	10100	19700	6390
19	10900	4670	7460	5570	7760	5210	9300	13200	4900	5860	20200	5920
20	6080	4650	4320	5450	7310	5090	13200	10700	8870	19200	19500	5660
21	4880	4640	4580	5260	7260	5130	14300	3890	9290	18600	19900	7470
22	4100	4270	14100	8780	7490	4710	14400	4440	9220	6070	19400	5270
23	4070	6290	14300	9420	7460	4690	14400	7360	9160	15100	20000	5760
24	4950	16200	14200	6550	7490	4570	14300	8470	5680	5790	20100	4930
25	9800	16600	14300	8470	7310	4480	13300	7430	4860	16100	20100	4770
26	12000	4970	9810	19000	6940	5000	12800	7340	4860	10500	20800	4720
27	14500	4620	7180	20000	6810	4660	15600	6560	8650	7630	13200	5350
28	14700	4470	4740	19800	6510	4340	15500	4230	11900	9230	4650	14200
29	14500	---	17500	20000	6330	8020	15200	5030	19900	8970	18900	14400
30	3750	---	13600	19900	6180	10700	15100	5950	20900	4570	16200	14700
31	3820	---	13600	---	6130	---	7610	4580	---	5510	---	13600
TOTAL	420200	327050	342480	357050	324060	186050	341800	244350	209030	335020	514330	287840
MEAN	13550	11680	11050	11900	10450	6202	11030	7882	6968	10810	17140	9285
MAX	21500	22500	20700	20000	23200	10700	15600	15300	20900	19200	21900	17200
MIN	3750	4270	4230	5260	6130	4340	3970	3890	4310	4480	4080	4720

CAL YR 1977 TOTAL 3889260 MEAN 10660 MAX 23200 MIN 3750

TABLE 115. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12318500 KOOTENAI RIVER NR COPELAND, ID				STREAM	SOURCE AGENCY USGS						
LATITUDE 485443	LONGITUDE 1162459	DRAINAGE AREA	13400.00	DATUM	1700.00	STATE 16	COUNTY 021					
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2580	13400	13400	18600	16900	15700	18800	12700	11600	14800	19400	22500
2	4060	13600	13500	15600	18100	15000	19000	12600	10800	14800	19200	22400
3	16800	13700	7170	13500	19400	17300	20600	12400	5500	14900	19900	22500
4	17000	13300	6050	12100	18900	19500	21400	12300	5220	14900	21100	22000
5	14300	4400	4920	11000	17100	21100	21500	12300	5430	14700	21500	22000
6	14300	4970	4770	10400	15200	22100	21400	12300	12800	13300	21000	22100
7	10300	12200	4710	9700	13900	24000	22600	12300	14800	12900	20900	22300
8	3820	11500	4720	9020	13400	22500	19500	12000	14700	14100	20800	22500
9	5500	11500	4950	8660	13700	24300	18000	11400	15000	14800	21100	22800
10	14300	11700	4860	8350	18000	23600	12900	15500	14900	14700	21100	18900
11	14200	11100	4510	8670	20600	17100	16500	15800	13000	12600	20900	8740
12	14300	4580	4460	9110	19400	13600	17600	15800	9480	11100	20900	17000
13	14100	5070	4480	8920	17200	16800	17400	10800	10300	11600	21000	22500
14	12900	11600	4260	8710	17400	19300	17100	5730	10300	10900	21000	22600
15	3810	9870	4170	8420	23300	18800	16700	7480	10500	11200	21000	20100
16	5160	11800	4210	8350	26900	18100	13900	9820	9830	11500	19500	22200
17	13700	11500	4090	8310	24600	15000	10600	5730	5460	12100	16600	22300
18	13700	9680	4110	8270	23000	11300	17100	10200	5350	9820	16800	13800
19	13600	4670	3350	8080	22100	11600	17300	10400	8890	8850	19000	20300
20	13800	5040	3790	8360	22300	16300	16800	5400	10100	9630	21200	22100
21	13200	11800	4250	8990	23300	14300	9720	5380	10300	9640	21400	22200
22	3940	12000	4770	9180	25000	10800	6200	10300	13700	10900	21400	22000
23	5150	12100	5270	8860	23400	10400	5770	11000	14900	9360	18500	21800
24	13400	12400	6870	8500	20400	9790	5610	11000	14900	10200	15100	22000
25	12800	12700	8880	8380	19200	9220	7280	11800	14900	12700	19900	21600
26	13600	4990	9190	8770	17500	9320	8960	9190	14900	15400	21700	21500
27	13600	5350	10000	10700	16000	15200	11300	8260	14800	17400	21900	18600
28	13200	13100	11200	14200	15600	14900	14100	6070	14800	17800	22000	19800
29	4390	---	12800	16500	16200	14400	13900	9320	14700	17800	22000	21200
30	5280	---	14100	16900	15900	17300	13300	11900	14700	17700	22100	21200
31	13300	---	17800	---	15300	---	10600	11900	---	17900	---	21200
TOTAL	334090	279620	215610	313110	589200	488630	463440	329080	346560	410200	609900	644740
MEAN	10780	9986	6955	10440	19010	16290	14950	10620	11550	13230	20330	20800
MAX	17000	13700	17800	18600	26900	24300	22600	15800	15000	17900	22100	22800
MIN	2580	4400	3350	8080	13400	9220	5610	5380	5220	8850	15100	8740

CAL YR 1978 TOTAL 5024180 MEAN 13760 MAX 26900 MIN 2580



TABLE 116. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12322000 KOOTENAI RIVER AT PORTHILL IDAHO				STREAM			SOURCE AGENCY USGS				
LATITUDE 490000	LONGITUDE 1163010	DRAINAGE AREA 13700.00	DATUM 1700.00	STATE 16	COUNTY 021							
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2900	3150	17200	10000	17800	60200	38500	34500	7580	33000	28300	12600
2	2980	3080	13800	10100	18400	57900	37700	31800	8040	33200	27000	8340
3	3070	2980	11400	11400	19600	54900	36600	36000	7800	33700	26100	5520
4	3200	3280	9820	11900	21000	51700	35300	36300	7340	34200	25800	5330
5	3290	3610	8910	12300	23300	50500	35300	27100	6440	34700	28100	4540
6	3490	3760	9360	13200	26100	51100	26400	21100	7360	35300	31000	3850
7	3560	3350	10400	14200	28300	51500	20000	18200	7670	34800	33300	3570
8	3570	3310	9790	15800	28800	51800	13100	17400	7810	33300	33200	3430
9	3520	3480	9340	17500	28000	51800	10700	21100	8200	31300	32200	3500
10	3440	3580	9190	17200	27600	51700	10100	21300	8800	30600	30600	3600
11	3360	3720	10600	16600	31200	51200	9380	18400	8850	31300	30100	3760
12	3290	3820	12600	16200	33500	49900	9500	17400	8730	33200	30400	3920
13	3150	3970	13900	15700	37500	49900	10800	15800	17200	35800	29700	4050
14	2930	4050	17000	15200	45000	48700	14800	15100	30200	35800	28900	3950
15	2750	4120	18000	14600	52100	48500	28100	13600	32200	33700	28200	4010
16	2800	4490	18400	14600	55300	48900	31800	15100	32500	32000	26600	4020
17	2830	5020	22600	14300	57700	48300	30700	17900	30800	33500	25600	4120
18	2980	5500	27200	13800	59800	47400	27600	17000	31700	32700	24000	4310
19	3130	5520	27700	12300	56500	46800	19500	8250	32700	31800	22900	4370
20	3480	5410	26400	11100	55000	46200	35000	5780	33000	32300	22100	4390
21	3780	5060	24300	10900	55300	46500	33300	6280	33700	31800	21700	4420
22	4330	5450	19100	11100	56100	46500	30900	5860	33000	31100	21500	4500
23	4940	5410	17300	11900	55800	46100	26100	5850	16600	30600	21200	4730
24	4840	5300	16900	13200	53300	46100	24300	5850	15800	30600	20900	4710
25	4460	5100	15900	12700	49600	45400	29100	5650	28300	30700	19500	4720
26	3930	4950	14400	12300	47300	45300	29700	5640	31300	30800	19800	4600
27	3260	5140	13000	12500	46400	44600	28100	5380	32400	30700	20300	4810
28	2870	7630	11900	13800	48200	40900	26700	5330	31800	30600	18800	5780
29	2660	14800	10900	15900	52000	40000	34400	5700	31600	30400	17200	6610
30	2770	---	10400	17400	53700	38900	35800	6080	31400	30000	17100	7110
31	2950	---	10300	---	58800	---	35800	6510	---	29300	---	7000
TOTAL	104510	138040	468010	409700	1299000	1459200	815080	473260	620820	1002800	762100	154170
MEAN	3371	4760	15100	13660	41900	48640	26290	15270	20690	32350	25400	4973
MAX	4940	14800	27700	17500	59800	60200	38500	36300	33700	35800	33300	12600
MIN	2660	2980	8910	10000	17800	38900	9380	5330	6440	29300	17100	3430
CAL YR 1972 TOTAL	7706690	MEAN 21060	MAX 60200	MIN 2660								
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6940	4760	4600	5590	9570	13200	5450	4490	20000	10500	9040	6550
2	6690	4660	4670	5640	9370	12400	4980	4550	19900	10600	8780	6230
3	6310	4800	4700	5620	9630	11300	4730	4530	19900	10800	10500	5700
4	5840	5810	4640	5620	10300	10500	4490	4440	20000	10900	11700	5780
5	5450	6260	4500	5510	11100	10500	4400	4550	25000	10900	11500	5290
6	3610	5440	4510	5900	11900	11000	4620	4770	25100	11900	11500	5230
7	2720	4090	4450	6190	13200	12300	4520	4680	25100	11100	12200	5430
8	2620	3930	4450	6110	13700	12700	4380	4560	21100	11200	11500	5910
9	2610	3860	4290	6070	13300	13700	4200	4460	19900	11100	11800	5270
10	2690	4090	4480	6130	12500	11900	5140	4440	19700	11800	13200	5060
11	2730	4160	5020	6260	11600	10500	7640	4570	19700	11300	17300	5460
12	2840	3910	5300	6780	11000	9820	7980	4550	20200	11000	22600	5320
13	3090	3900	5020	7420	11300	9590	8090	4440	20100	11100	20800	5400
14	3390	3810	4860	8520	13000	9080	13700	4390	20100	11300	13900	5380
15	3710	3840	4720	8960	16200	8770	15600	4380	20300	11300	10900	5350
16	4480	3880	4820	8830	21200	8370	10400	6720	20700	11000	11300	6940
17	4860	3910	4780	8760	26200	8060	9540	7200	20600	11100	8890	9960
18	5080	3930	5090	8640	28600	7590	9230	7910	20700	11000	6880	9800
19	5040	4020	5040	7630	27900	8280	9280	12800	23300	11000	5910	8580
20	4910	3940	5000	7140	25500	8910	9350	14300	22800	11100	5440	7900
21	4780	4020	5010	7150	21200	8870	9280	14300	13500	11300	11000	7620
22	4690	4120	5080	7050	17800	9500	9240	14200	19700	11700	12000	7440
23	4620	4040	5260	7480	16400	11400	9200	18300	20900	11500	11400	7100
24	4610	4140	5310	7960	16300	12400	6170	19200	22800	12900	11400	6860
25	4590	4160	5390	8410	17800	12400	5200	19300	21000	10700	11500	6920
26	4650	4260	5440	8650	16600	12700	5380	19800	20600	9020	11300	6580
27	4760	4520	5620	8950	14400	12700	5250	19800	20700	9010	12900	6620
28	4770	4560	5570	9830	13000	12300	5020	19600	20800	8850	10800	6130
29	4820	---	5700	10200	12400	10200	4880	19900	12400	9390	7200	5990
30	4870	---	5740	9980	12400	6980	4790	19800	10800	9130	6590	5620
31	4880	---	5580	---	12900	---	4550	19600	---	9150	---	5300
TOTAL	137650	120820	154640	222980	478270	317920	216680	320530	607400	334650	341730	198720
MEAN	4440	4315	4988	7433	15430	10600	6990	10340	20250	10800	11390	6410
MAX	6940	6260	5740	10200	28600	13700	15600	19900	25100	12900	22600	9960
MIN	2610	3810	4290	5510	9370	6980	4200	4380	10800	8850	5440	5060
CAL YR 1973 TOTAL	3451990	MEAN 9458	MAX 28600	MIN 2610								

TABLE 116. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12322000 KOOTENAI RIVER AT PORTHILL IDAHO STREAM SOURCE AGENCY USGS  
 LATITUDE 490000 LONGITUDE 1163010 DRAINAGE AREA 13700.00 DATUM 1700.00 STATE 16 COUNTY 021

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4870	23800	21700	15300	50700	39400	49600	31000	9780	17900	25000	11800
2	4820	23700	21700	14800	50600	40400	48600	20400	9230	11900	25000	11700
3	4760	23200	21500	15900	48300	44200	42000	20600	9190	20700	25100	11700
4	4960	22900	21400	15500	45000	49000	37100	19300	17100	25800	25100	13900
5	15100	22700	21300	15100	44600	48000	35300	26100	19000	27600	18100	14300
6	20700	22500	19700	14900	47100	45300	26200	26300	19500	27600	16900	14300
7	19900	22400	18000	14800	50600	42800	24100	17500	19400	27500	16800	14300
8	19100	22500	17700	14600	48100	41100	23200	12600	13900	27500	16900	14200
9	18900	22900	17800	14700	46200	40600	25200	15700	8150	25100	16700	14200
10	18900	22800	18100	15100	41900	38100	25500	16300	7240	24900	16500	14300
11	19600	22600	17900	17300	36800	41300	24800	15700	7140	24800	16300	14400
12	20000	22400	17800	19100	32800	47600	24200	15700	7060	24800	21100	14300
13	19400	21700	18100	19400	30000	50700	22600	14200	6800	24800	24600	14300
14	19900	21400	18100	18900	27600	52000	25900	13400	6700	25000	24200	15900
15	28300	21800	18300	19000	29000	53100	21700	13700	6710	24900	24500	16500
16	53700	21900	17400	20500	29100	54400	20600	13700	5820	25000	24700	16600
17	55000	22000	18600	23300	28200	54700	16100	13500	4740	25000	23600	16600
18	41000	21800	20200	25800	27600	52700	10800	13200	6540	24900	23200	16600
19	28200	21700	19400	27000	27100	49900	10500	13000	6620	25100	23500	16600
20	22700	21600	15100	27400	26700	47100	10100	12800	6580	25000	25100	16700
21	18500	21900	13200	27500	26700	44300	9510	12600	6600	25000	28000	17100
22	15700	21900	11600	26600	27900	41900	13200	11700	6560	24900	30700	17800
23	14400	21700	9530	26600	30600	40900	21500	11400	10300	25000	22900	17600
24	13400	21700	9060	29700	33000	39300	27200	11300	15500	24900	19600	17200
25	12800	21700	8910	36400	34900	37500	22000	11300	20100	24900	18500	17200
26	12200	21500	8820	42500	39500	38400	26800	11300	21100	24500	18100	17000
27	11900	21400	9290	45900	44600	40700	32000	11200	22100	25100	13300	13600
28	11300	21500	11100	48700	45400	43600	24700	11100	21400	24900	12000	11800
29	12800	---	14400	47400	44300	49200	25200	11100	22600	24400	11800	11400
30	20500	---	15900	47800	42800	49800	17300	10700	22500	24900	11800	11300
31	23400	---	16100	---	41200	---	23700	10400	---	25100	---	11300
TOTAL	606710	621000	507710	747500	1178900	1358000	767210	468800	365960	759400	619600	456500
MEAN	19570	22700	16380	24920	38030	45270	24750	15120	12200	24500	20650	14730
MAX	55000	23800	21700	48700	50700	54700	49600	31000	22600	27600	30700	17800
MIN	4760	21400	8820	14600	26700	37500	9510	10400	4740	11900	11800	11300

CAL YR 1974 TOTAL 8457890 MEAN 23170 MAX 55000 MIN 4740

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11500	26900	17200	7000	18400	34800	10000	4020	6150	10500	16600	18900
2	11400	27900	17500	6750	18600	36300	10700	3930	5840	10800	16700	17900
3	11300	27700	18000	6830	19000	38900	11600	3810	5740	10300	18000	24200
4	11300	27900	18400	7000	20800	37000	11900	3680	5570	10600	19400	39700
5	11100	28000	18800	5930	20800	35200	11400	3620	5260	10800	19200	39100
6	11200	27900	18800	4560	21400	35500	10800	3570	5170	10900	18400	32400
7	11300	26500	18800	4440	22500	33700	10600	3620	5140	11000	16900	24200
8	12800	25800	18700	4350	24200	29700	9880	3670	5220	11400	18100	20500
9	12800	25800	18500	4290	26700	26800	9630	3650	5210	10900	17900	19500
10	13000	25700	18600	4160	30000	24900	9160	3690	4740	10800	18100	23300
11	12900	25600	18600	4160	33500	25200	8440	3540	15900	11500	17700	24400
12	12800	26400	18600	4360	35600	26200	8800	3560	17100	11000	17200	27600
13	12700	26800	18800	4700	36500	27300	8500	3750	11800	10800	16800	27800
14	15500	26900	16700	5240	33700	25000	7700	3370	10600	10900	17000	28600
15	15900	25400	12200	6150	36300	22900	8000	3630	10500	10400	19000	28800
16	16000	23900	11300	7310	39800	21900	7480	3340	10300	10900	19900	27900
17	16000	23700	11300	8320	39300	20300	7070	3460	8510	10800	20000	27100
18	16000	23200	11500	9390	37200	18700	6820	3540	8340	10700	20400	26800
19	16100	19500	11800	10400	37900	18200	6580	5030	8410	10700	19700	27100
20	16100	18100	11800	11700	32800	17700	6370	4500	8310	11000	19500	23700
21	19600	20500	11800	12500	28800	18000	6200	4150	8170	11100	19300	16000
22	20000	20600	10400	12600	26900	16800	6100	4010	7980	11400	19500	14500
23	19800	20700	9450	12400	26900	15700	5350	4730	7880	10400	19500	22600
24	19800	20800	9260	12700	27200	16700	4490	5280	7820	14300	21200	27900
25	19700	20000	9040	13100	24500	16200	4410	5380	7900	15700	22500	29100
26	18900	19400	7990	14700	22000	14400	4310	5580	8120	16100	22900	29300
27	19500	19600	7200	16400	21000	13400	4190	5500	8200	16000	22500	29300
28	23600	18200	7000	17500	21700	12400	3890	4770	9900	16000	22200	29100
29	23900	---	6890	17600	24300	11500	3880	4960	10100	15900	21700	29100
30	23800	---	7080	18000	28600	10500	4070	5350	10100	16200	21600	29100
31	24600	---	7020	---	32700	---	4020	6120	---	16700	---	29200
TOTAL	500900	669400	419030	274540	869600	701800	232340	130810	254980	376500	579400	814700
MEAN	16160	23910	13520	9151	28050	23390	7495	4220	8499	12150	19310	26280
MAX	24600	28000	18800	18000	39800	38900	11900	6120	17100	16700	22900	39700
MIN	11100	18100	6890	4160	18400	10500	3880	3340	5140	10300	16600	14500

CAL YR 1975 TOTAL 5824000 MEAN 15960 MAX 39800 MIN 3340

TABLE 116. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12322000 KOOTENAI RIVER AT PORTHILL IDAHO				STREAM	SOURCE AGENCY USGS						
LATITUDE 490000	LONGITUDE 1163010	DRAINAGE AREA	13700.00	DATUM 1700.00	STATE 16	COUNTY 021						
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28900	26500	13700	15900	13000	14100	10600	14300	16700	10600	21400	16800
2	29000	26200	13400	16900	15900	13200	10000	18500	15000	11900	16800	12200
3	29100	26000	17000	16700	19200	15400	9670	20300	14800	14300	16200	11500
4	29100	25800	19500	16800	22300	14100	9540	19900	15100	14300	16000	11200
5	29100	25500	19900	17500	23300	13600	9600	19700	11900	14300	15900	11100
6	28800	25500	20100	15900	23500	11500	9440	20200	11600	12700	18700	11800
7	29100	25700	20300	16000	25600	12800	13600	27500	11800	11800	21400	13300
8	29100	23400	20400	16500	30000	16700	22600	29100	13400	17000	21400	13600
9	29300	22800	21900	20100	34900	18600	21700	24000	11900	16700	21700	13400
10	29400	22600	23600	22400	37700	21800	22100	23200	11600	12800	21700	13900
11	29200	22600	24100	24600	44400	17400	22500	24100	11700	11800	21700	13600
12	29300	22700	19800	27300	41000	16200	21900	22900	8370	12100	21700	11200
13	29200	20100	17800	29400	36600	12700	17500	20300	8200	14900	16400	10900
14	29300	18700	17000	28200	34600	11300	16900	20100	11000	16200	5900	13100
15	29500	18500	16800	26000	31900	12500	16400	20200	9840	16200	6570	13800
16	29500	18300	16600	23400	28900	14100	19800	20400	11100	16100	17400	14700
17	29800	18300	16100	17500	28100	16900	25500	19500	9870	15900	9550	14400
18	29800	18200	16000	14100	25900	16600	27700	18500	11700	16000	15400	15400
19	30100	17900	15400	12800	24000	15500	27200	18300	11300	16200	15700	19700
20	21800	15800	13900	12000	24200	13500	21400	19600	11200	18800	15300	18100
21	26800	14900	12500	11700	22800	12400	20300	19500	14400	20000	9440	17100
22	29300	14700	12300	11300	21200	13000	18200	19000	14100	18100	9740	16600
23	29700	14600	11900	10600	20900	12600	11600	19300	14300	17700	17400	16200
24	29600	14800	11200	10300	22700	11800	9840	16900	14400	19600	15500	19000
25	29600	15200	10500	10500	23100	11500	18200	17800	14400	20500	13500	19200
26	29500	15100	9900	10900	20600	10800	16700	17200	12100	20500	10500	19500
27	29400	14900	9540	10700	19000	8960	18600	16600	9730	18600	9920	19500
28	29600	14500	8580	10600	20500	8880	15300	19800	9660	18100	9990	19600
29	29800	14000	8340	10700	18500	10400	17400	20400	9600	20300	21300	19000
30	29800	---	8260	11400	16400	10600	18700	17600	9330	20900	30800	18900
31	27900	---	11200	---	15200	---	18500	18000	---	21300	---	18900
TOTAL	899400	573800	477520	498700	785800	409440	538990	622700	360100	506200	484910	477200
MEAN	29010	19790	15400	16620	25350	13650	17390	20090	12000	16330	16160	15390
MAX	30100	26500	24100	29400	44400	21800	27700	29100	16700	21300	30800	19700
MIN	21800	14000	8260	10300	13000	8880	9440	14300	8200	10600	5900	10900
CAL YR 1976 TOTAL	6634760		MEAN 18130		MAX 44400		MIN 5900					
DISCHARGE, IN CURIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SFP	OCT	NOV	DEC
1	19000	9670	6270	14000	13800	6910	11100	4940	4710	16400	19000	17100
2	18900	10200	15200	13900	14500	7180	10700	9360	4640	8100	20800	17300
3	20700	10300	19600	14100	22400	7090	5830	9750	4630	8820	21900	12300
4	21400	14900	20400	7220	24400	7340	4320	9190	4880	19000	22000	6990
5	19400	16500	12400	12900	23900	7830	4330	15100	5200	10500	20600	7230
6	19600	11100	4920	13900	21600	7700	4140	14900	4950	12900	15100	10800
7	20600	11500	4450	14600	18700	9600	8410	10700	5840	15500	21400	8060
8	19100	15800	7980	15300	11100	9040	11400	4800	8000	15000	19700	5620
9	21200	19900	9030	15900	10500	8560	10600	9480	4540	8210	15500	16400
10	21300	21400	15100	7670	11100	7570	11700	6940	5960	5080	20900	15200
11	20800	22000	20300	6900	11900	7110	11300	7190	4680	8720	20900	5570
12	18500	16600	17800	14600	11300	6810	12100	4470	4610	11100	16300	7370
13	12800	5160	5610	15600	10300	6650	11800	4470	4620	15000	4780	9710
14	15700	5740	5200	15900	9850	6560	12200	4640	4370	15000	7090	10800
15	15400	20000	11900	10500	9550	6400	11900	4550	4840	13400	12600	7500
16	6340	22200	12100	8740	9160	7840	11600	7690	4950	4780	12800	7990
17	7050	18000	7960	6290	9060	6010	10000	13900	5430	6090	12700	11400
18	16000	5460	8140	6060	12700	5780	5920	14000	4950	10000	19600	6690
19	11000	4890	7590	5880	8720	5550	9390	13200	4960	6020	20000	6180
20	6450	4770	4550	5730	8290	5420	13100	10800	8900	19000	19500	5870
21	5040	4760	4760	5560	8260	5420	14300	4120	9310	18300	20000	7620
22	4260	4390	13900	9020	8440	5020	14400	4580	9260	6500	19900	5420
23	4230	6370	14200	9920	8390	4990	14500	7360	9220	15200	20100	5920
24	5080	15900	14300	7660	8430	4870	14400	8520	5820	6110	20200	5090
25	9700	16500	14000	9960	8050	4750	13500	7550	4980	16000	20200	4960
26	12000	5350	10000	20000	7740	5270	12900	7440	4980	10600	20900	4880
27	14400	4810	7530	20900	7600	4870	15600	6730	8680	7840	13400	5480
28	14700	4570	4940	21100	7220	4570	15500	4460	12000	9310	5300	14100
29	14500	---	17300	21300	7020	8090	15300	5180	19700	9100	18900	14400
30	4040	---	13300	21200	6810	10700	15100	6000	20800	4840	16100	14700
31	3940	---	14000	---	6790	---	7960	4720	---	5760	---	13600
TOTAL	423130	328740	345130	372310	357580	201500	345300	246730	210410	338180	518170	292250
MEAN	13650	11740	11130	12410	11530	6717	11140	7959	7014	10910	17270	9427
MAX	21400	22200	20400	21300	24400	10700	15600	15100	20800	19000	22000	17300
MIN	3940	4390	4450	5560	6790	4570	4140	4120	4370	4780	4780	4880
CAL YR 1977 TOTAL	3979430		MEAN 10900		MAX 24400		MIN 3940					

TABLE 116. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12322000 KOOTENAI RIVER AT PORTHILL IDAHO					STREAM	SOURCE AGENCY USGS					
LATITUDE 490000	LONGITUDE 1163010	DRAINAGE AREA 13700.00			DATUM 1700.00	STATE 16	COUNTY 021					
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2920	13400	13300	19200	18700	17500	19300	12800	11900	15000	19400	22600
2	4310	13600	13600	16400	20100	17200	19400	12800	10900	15000	19200	22500
3	16700	13800	7400	14300	21400	19900	21100	12600	5750	15100	20000	22600
4	17000	13300	6280	12800	20500	22200	21800	12400	5360	15100	21500	22100
5	14400	4710	5050	11700	18600	24100	21900	12400	5560	14900	21700	22100
6	14400	5190	4890	11000	16600	24800	21800	12400	12800	13600	21300	22200
7	10400	12200	4830	10300	15400	26400	23000	12400	14700	13000	21100	22400
8	4160	11500	4840	9600	15000	24900	20000	12100	15000	14200	21000	22600
9	5690	11600	5060	9230	15900	26400	18800	11600	15200	14800	21300	22900
10	14200	11800	4960	8940	20700	25200	13600	15500	15100	14800	21300	19100
11	14200	11200	4620	9320	22800	18900	16800	15900	13300	12800	21000	9490
12	14300	4870	4590	9750	21300	15200	18000	15900	9920	11400	21000	16900
13	14200	5260	4620	9550	19200	18400	17800	11100	10500	11800	21100	22200
14	13000	11600	4340	9330	20500	20800	17500	6120	10600	11100	21100	22600
15	4170	9950	4270	9000	26300	20300	17000	7610	10800	11400	21100	20300
16	5430	11800	4330	8940	29300	19500	14400	9880	10000	11700	19700	22200
17	13700	11600	4200	8850	27300	16400	11100	5940	5820	12200	16900	22300
18	13700	9840	4220	8780	25800	12800	17300	10200	5580	10000	16900	14200
19	13700	4880	3490	8650	25100	12800	17600	10400	8990	8940	19200	20300
20	13900	5240	3930	9070	25500	17200	17100	5700	10200	9870	21000	22000
21	13300	11800	4380	9680	26800	15400	10300	5560	10500	9710	21500	22200
22	4300	11900	4930	9810	28200	12000	6720	10300	13900	10900	21500	22000
23	5380	12100	5460	9500	25800	11400	6160	11200	15000	9470	18700	21900
24	13300	12400	7140	9110	22800	10700	5940	11100	15100	10300	15400	22100
25	12800	12700	9130	9020	21300	10100	7510	11900	15000	12700	19800	21700
26	13700	5270	9570	9640	19300	10100	9110	9340	15000	15400	21600	21600
27	13700	5560	10500	12000	17800	15700	11500	8460	14900	17400	21900	18800
28	13300	13000	11700	15700	17600	15400	14200	6280	14900	17800	22100	20100
29	4740	---	13400	17900	18200	15100	14000	9370	14800	17900	22100	21100
30	5520	---	14800	18500	17600	17600	13600	11900	14900	17800	22200	21200
31	13200	---	18700	---	17000	---	10900	12000	---	18000	---	21300
TOTAL	337720	282070	222530	335570	658400	534400	475240	333160	351980	414090	613600	647590
MEAN	10890	10070	7178	11190	21240	17810	15330	10750	11730	13360	20450	20890
MAX	17000	13800	18700	19200	29300	26400	23000	15900	15200	18000	22200	22900
MIN	2920	4710	3490	8650	15000	10100	5940	5560	5360	8940	15400	9490

CAL YR 1978 TOTAL 5206350 MEAN 14260 MAX 29300 MIN 2920

TABLE 117. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER	12302055 FISHER RIVER NEAR LIBBY, MT.					STREAM	SOURCE AGENCY USGS					
LATITUDE 482120	LONGITUDE 1151850	DRAINAGE AREA 838.00			DATUM 2134.10	STATE 30	COUNTY 053					
DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972												
MEAN VALUES												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	170	190	2000	1500	1520	3150	762	270	153	148	141	133
2	160	180	1480	1640	1480	2780	687	286	151	146	143	143
3	140	170	1210	1630	1530	2350	637	291	150	143	151	124
4	150	180	1030	1570	1680	2060	606	269	148	141	156	86
5	160	190	983	1540	1970	1970	589	250	146	141	167	85
6	170	200	1420	1880	2210	1940	579	240	145	141	172	80
7	180	210	1490	2260	2190	1950	601	235	147	141	161	75
8	190	220	1390	2170	2060	1930	582	230	145	141	156	70
9	190	210	1330	1970	2070	1940	554	224	151	138	153	65
10	180	190	1420	1770	2050	1930	524	216	153	141	151	70
11	170	200	1900	1630	2060	1920	483	212	148	158	148	80
12	160	200	2100	1530	2210	1780	467	209	155	156	143	90
13	140	210	2250	1460	2760	1550	489	204	167	151	141	100
14	130	220	2620	1360	3420	1340	523	201	157	148	141	110
15	150	240	2720	1300	3960	1250	468	199	152	148	138	120
16	170	280	3080	1300	4060	1290	432	220	146	146	138	150
17	180	350	4040	1260	3910	1270	416	227	143	143	138	200
18	170	330	4820	1170	3620	1170	403	214	142	143	138	250
19	160	310	4740	1100	3110	1090	462	201	141	141	141	300
20	180	300	4360	1060	2920	1000	408	194	146	141	138	350
21	200	290	3800	1050	2980	1070	376	190	145	141	136	400
22	220	300	3340	1060	3040	1030	356	187	158	141	133	450
23	210	320	3200	1020	2910	1030	343	194	167	141	131	500
24	190	350	3180	1020	2590	1000	330	187	168	146	131	450
25	170	389	2930	1050	2300	914	322	179	168	143	131	446
26	160	363	2540	1090	2050	901	312	173	166	153	133	396
27	150	429	2230	1140	1900	858	301	170	160	161	131	396
28	170	1410	1960	1340	2070	807	290	166	156	158	115	348
29	180	2630	1770	1580	2410	841	280	161	153	156	128	300
30	190	---	1600	1630	2750	813	273	156	150	148	143	249
31	200	---	1510	---	3090	---	264	153	---	143	---	249
TOTAL	5340	11061	74443	43080	78880	44924	14119	6508	4577	4527	4267	6865
MEAN	172	381	2401	1436	2545	1497	455	210	153	146	142	221
MAX	220	2630	4820	2260	4060	3150	762	291	168	161	172	500
MIN	130	170	983	1020	1480	807	264	153	141	138	115	65

CAL YR 1972 TOTAL 298591 MEAN 816 MAX 4820 MIN 65

TABLE 117. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	217	238	231	238	500	592	217	90	70	90	121	221
2	224	210	296	231	475	525	204	88	72	88	115	217
3	175	195	280	228	495	475	195	86	70	88	108	210
4	133	195	256	228	550	423	189	84	68	88	108	207
5	130	189	242	238	622	410	180	82	66	88	112	194
6	120	195	228	277	664	423	177	88	65	88	112	187
7	110	151	221	284	712	515	169	90	63	88	110	184
8	100	138	217	280	747	545	164	86	63	90	104	206
9	95	175	214	280	733	634	158	82	63	88	113	194
10	90	252	221	284	664	495	153	79	63	88	173	190
11	100	324	238	300	610	423	148	79	63	90	414	202
12	120	288	228	356	556	392	141	77	63	91	846	202
13	150	245	217	432	550	374	136	75	62	97	654	196
14	250	214	210	490	658	401	131	75	62	99	453	194
15	350	183	204	500	874	432	128	72	65	96	362	189
16	450	167	204	490	1170	383	126	70	68	94	367	211
17	550	158	210	562	1300	352	124	70	70	94	396	442
18	610	156	210	545	1320	332	121	68	70	94	322	502
19	525	153	204	495	1200	304	119	70	72	93	278	451
20	428	151	201	460	1100	288	115	70	84	93	247	410
21	369	148	207	441	866	288	115	68	92	94	229	384
22	296	146	217	437	726	296	113	66	94	94	212	365
23	320	151	228	460	677	304	110	66	92	95	194	347
24	332	151	238	475	670	300	106	66	94	98	186	327
25	300	153	242	475	733	284	106	68	106	107	179	321
26	249	180	252	485	670	332	102	68	100	112	174	292
27	224	195	256	535	592	312	100	66	96	109	165	285
28	224	198	252	592	525	280	98	66	94	107	173	273
29	245	---	249	574	495	263	96	65	94	123	232	256
30	296	---	245	535	505	238	96	65	92	136	237	243
31	324	---	242	---	562	---	94	66	---	125	---	223
TOTAL	8106	5299	7160	12207	22521	11615	4231	2311	2296	3025	7496	8325
MEAN	261	189	231	407	726	387	136	74.5	76.5	97.6	250	269
MAX	610	324	296	592	1320	634	217	90	106	136	846	502
MIN	90	138	201	228	475	238	94	65	62	88	104	184

CAL YR 1973 TOTAL 94592 MEAN 259 MAX 1320 MIN 62

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	164	648	347	1740	2860	1810	787	255	147	120	109	133
2	150	614	356	1630	2890	1830	730	245	142	119	109	128
3	140	576	347	1530	2520	2110	677	238	142	120	109	128
4	130	571	334	1450	2280	2330	671	232	139	118	109	127
5	130	545	364	1380	2350	2260	683	225	139	120	109	126
6	120	513	381	1420	2780	1980	648	219	134	119	110	126
7	120	478	330	1500	3190	1870	598	210	131	119	118	127
8	110	474	343	1510	3400	1830	571	204	129	119	127	124
9	100	450	314	1560	3330	1790	545	207	131	119	128	122
10	110	431	330	1610	2880	1820	534	198	147	119	131	121
11	90	417	326	1800	2400	1900	545	195	149	118	131	130
12	110	412	334	1960	2110	2100	534	192	144	117	130	142
13	150	412	377	1830	1880	2290	483	189	139	116	146	137
14	250	399	381	1740	1650	2370	459	201	136	115	142	130
15	1500	390	385	1770	1500	2350	459	229	134	112	131	124
16	7280	381	394	1930	1350	2480	459	213	131	112	126	122
17	6550	377	488	2050	1240	2390	431	195	126	111	123	127
18	4220	368	654	2110	1200	2230	417	183	124	111	126	133
19	3240	377	742	2170	1130	2050	421	177	124	111	136	128
20	2590	364	742	2310	1050	1960	421	174	121	112	151	129
21	1960	334	736	2280	1020	1740	399	169	119	112	212	120
22	1580	347	712	2130	1080	1530	368	166	119	111	272	120
23	1360	326	671	2110	1220	1440	351	169	119	110	234	120
24	1190	314	648	2450	1370	1420	334	171	116	111	192	110
25	1130	310	625	3530	1540	1320	318	166	116	111	176	110
26	1020	318	643	3830	1940	1190	302	160	116	111	175	120
27	891	330	800	3400	2290	995	291	155	131	112	162	120
28	834	326	1100	3050	2260	876	280	152	129	112	152	110
29	800	---	1600	2710	2090	820	273	149	124	111	145	100
30	755	---	1760	2570	2020	787	269	149	121	109	139	95
31	671	---	1800	---	1950	---	266	147	---	109	---	90
TOTAL	39445	11802	19364	63060	62770	53868	14524	5934	3919	3546	4360	3779
MEAN	1272	422	625	2102	2025	1796	469	191	131	114	145	122
MAX	7280	648	1800	3830	3400	2480	787	255	149	120	272	142
MIN	90	310	314	1380	1020	787	266	147	116	109	109	90

CAL YR 1974 TOTAL 286371 MEAN 785 MAX 7280 MIN 90

TABLE 117. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	95	110	176	198	1220	2220	637	212	161	115	190	171
2	100	130	209	192	1240	2270	678	203	156	114	183	547
3	110	140	271	199	1360	2370	740	198	151	114	400	1590
4	120	140	319	196	1580	2140	767	190	144	136	516	2880
5	120	130	313	191	1590	2010	740	184	139	170	433	2880
6	120	120	295	190	1520	2030	696	176	130	151	360	1520
7	120	110	277	197	1500	1890	690	166	130	198	326	1080
8	110	100	279	205	1670	1700	660	163	128	207	292	876
9	100	90	266	204	1930	1520	591	161	126	184	263	843
10	90	100	257	197	2210	1370	547	158	123	171	246	817
11	75	120	250	203	2570	1320	510	156	121	166	233	760
12	60	150	237	227	2760	1370	478	151	117	166	217	692
13	90	170	234	280	2710	1440	453	151	117	164	205	586
14	110	200	225	358	2740	1470	424	156	117	161	200	506
15	120	190	219	458	3100	1410	410	149	115	159	218	521
16	130	180	218	520	3480	1310	386	146	113	166	333	392
17	140	170	219	597	3200	1180	350	153	121	158	295	348
18	150	180	223	649	2980	1070	324	158	146	153	264	422
19	160	190	243	715	3020	1070	308	171	139	160	239	395
20	170	170	249	780	2540	1160	295	166	132	174	230	372
21	160	150	236	822	2090	1130	284	156	128	181	204	339
22	150	140	235	880	1880	1040	273	151	126	189	212	324
23	150	150	228	966	1750	990	262	151	121	183	216	310
24	160	160	226	1050	1680	942	255	187	119	172	210	300
25	170	150	225	1120	1550	1070	245	184	117	166	237	297
26	170	140	210	1230	1390	950	236	171	115	174	226	298
27	160	150	192	1410	1280	822	230	158	115	171	215	342
28	140	164	178	1470	1280	760	224	156	115	165	197	311
29	130	---	215	1380	1410	715	221	161	117	161	186	294
30	110	---	207	1290	1700	666	233	161	117	159	152	322
31	100	---	205	---	2060	---	224	161	---	185	---	317
TOTAL	3890	4094	7336	18374	62990	41405	13371	5165	3816	5093	7698	21652
MEAN	125	146	237	612	2032	1380	431	167	127	164	257	698
MAX	170	200	319	1470	3480	2370	767	212	161	207	516	2880
MIN	60	90	176	190	1220	666	221	146	113	114	152	171

CAL YR 1975 TOTAL 194884 MEAN 534 MAX 3480 MIN 60

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	231	316	249	539	1200	996	613	216	150	123	128	126
2	234	313	191	596	1500	935	543	218	145	132	136	122
3	301	305	201	598	1900	879	511	211	142	138	127	119
4	311	231	241	634	2120	835	508	205	141	134	126	117
5	333	202	212	732	2140	793	509	218	137	131	124	116
6	302	239	240	942	2060	789	487	222	137	132	123	115
7	284	271	248	1290	2120	831	484	218	143	132	121	115
8	274	305	234	1700	2370	918	496	220	141	133	121	121
9	271	314	236	2150	2850	1040	507	215	139	134	119	134
10	265	287	243	2320	3180	1070	452	216	135	132	119	131
11	274	274	286	2390	3700	968	411	207	134	130	119	125
12	267	300	258	2780	3070	926	400	196	134	128	117	119
13	250	328	272	3070	2430	882	411	193	132	127	117	114
14	242	345	258	2880	2510	778	377	189	131	125	115	119
15	289	330	253	2550	2260	737	350	193	129	123	113	125
16	325	314	262	2180	1970	820	334	210	128	123	118	127
17	399	310	284	1870	1870	1080	323	218	134	123	121	126
18	457	307	335	1630	1710	1010	317	201	133	123	132	119
19	473	295	376	1460	1550	922	310	189	130	123	132	110
20	452	282	381	1350	1550	900	298	190	127	125	122	105
21	438	266	382	1340	1460	857	284	221	126	123	121	100
22	416	264	378	1230	1350	761	266	197	124	123	120	95
23	429	266	389	1150	1390	725	248	187	124	122	118	100
24	379	267	384	1100	1630	680	247	182	127	121	119	100
25	383	284	397	1130	1650	633	267	181	127	124	155	117
26	358	282	389	1140	1430	583	255	182	128	125	160	124
27	359	273	380	1110	1290	531	239	180	127	124	120	150
28	356	273	377	1090	1380	522	226	173	126	121	125	146
29	341	257	372	1060	1270	537	218	164	126	119	142	124
30	333	---	377	1080	1130	581	226	159	125	118	132	118
31	324	---	436	---	1070	---	225	154	---	118	---	107
TOTAL	10350	8300	9521	45091	59110	24519	11342	6125	3982	3909	3762	3686
MEAN	334	286	307	1503	1907	817	366	198	133	126	125	119
MAX	473	345	436	3070	3700	1080	613	222	150	138	160	150
MIN	231	202	191	539	1070	522	218	154	124	118	113	95

CAL YR 1976 TOTAL 189697 MEAN 518 MAX 3700 MIN 95

TABLE 117. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	75	90	130	133	642	286	107	80	91	113	104	216
2	35	90	126	131	713	339	102	76	87	107	135	227
3	45	90	124	128	766	319	100	72	84	103	170	529
4	55	95	122	130	683	307	101	81	89	99	145	518
5	65	95	120	137	569	358	104	97	100	97	131	416
6	70	95	122	147	483	349	102	87	117	96	124	361
7	75	100	132	172	425	357	100	82	110	94	123	334
8	80	100	172	246	423	377	96	78	102	94	124	269
9	85	100	179	377	544	328	94	76	96	100	117	233
10	90	100	165	405	624	275	96	74	94	105	115	217
11	95	110	151	361	698	249	95	71	92	102	113	271
12	100	125	144	325	612	233	92	69	89	97	110	368
13	105	152	140	309	550	224	89	68	87	98	110	412
14	110	148	137	310	533	212	89	67	85	95	117	536
15	110	137	135	293	529	203	87	67	84	93	134	633
16	115	133	131	290	505	195	83	67	86	91	132	644
17	115	131	129	325	477	186	80	64	110	90	129	565
18	120	138	126	309	475	176	86	62	110	89	124	499
19	120	139	131	296	432	168	93	60	98	88	111	430
20	115	132	123	277	401	164	89	59	96	86	70	332
21	115	131	129	261	389	162	87	59	98	86	45	293
22	110	134	129	253	395	153	88	59	97	86	70	325
23	110	135	136	275	398	146	81	61	94	84	120	312
24	105	133	141	380	401	138	75	62	97	84	192	262
25	105	130	140	590	377	131	82	66	101	88	201	214
26	100	130	135	784	361	126	105	69	103	95	240	221
27	100	128	145	766	352	122	109	75	101	93	374	221
28	95	126	152	671	329	118	99	82	101	92	304	214
29	95	---	141	638	312	115	92	88	109	91	257	227
30	95	---	134	609	288	109	87	90	114	96	249	240
31	90	---	132	---	269	---	83	90	---	102	---	223
TOTAL	2900	3347	4253	10328	14955	6625	2873	2258	2922	2934	4490	10762
MEAN	93.5	120	137	344	482	221	92.7	72.8	97.4	94.6	150	347
MAX	120	152	179	784	766	377	109	97	117	113	374	644
MIN	35	90	120	128	269	109	75	59	84	84	45	214

CAL YR 1977 TOTAL 68647 MEAN 188 MAX 784 MIN 35

DISCHARGE, IN CURIC FEET PER SECOND, CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978  
 MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	175	120	158	2520	1330	986	427	163	145	123	107	119
2	120	125	131	2120	1400	1020	404	157	143	120	106	113
3	140	130	110	1780	1460	1100	394	156	137	119	110	111
4	160	140	130	1520	1360	1200	408	153	132	119	147	114
5	190	150	150	1360	1190	1270	412	148	130	118	175	112
6	220	152	158	1230	1050	1330	383	141	135	117	149	119
7	250	151	154	1080	957	1270	350	138	149	117	139	88
8	230	152	155	978	902	1170	351	135	155	116	137	80
9	210	150	168	898	915	1110	366	132	150	115	145	170
10	190	149	179	839	1460	981	377	132	147	115	136	222
11	170	147	187	856	1690	840	369	128	144	112	113	243
12	175	130	193	873	1450	768	351	127	153	111	158	211
13	180	111	197	843	1270	727	343	143	164	111	158	214
14	185	105	198	815	1480	717	328	145	158	111	154	267
15	190	120	193	779	1980	682	308	149	152	111	134	256
16	195	130	195	767	2040	629	290	201	159	111	155	244
17	198	140	201	784	1820	606	279	195	159	111	144	321
18	198	143	238	768	1750	600	279	177	152	111	148	336
19	190	141	341	737	1660	606	269	170	148	110	134	198
20	183	139	443	745	1640	564	254	169	144	109	127	154
21	166	139	536	822	1690	541	240	175	142	109	168	156
22	161	140	606	833	1830	533	230	170	142	108	203	161
23	153	142	794	802	1590	546	221	169	138	107	201	213
24	145	152	1130	764	1420	533	211	163	135	108	168	169
25	135	154	1330	733	1320	503	202	157	135	109	145	256
26	140	155	1320	783	1210	482	194	153	132	107	132	346
27	147	156	1450	1070	1110	468	193	148	129	107	123	458
28	151	163	1680	1340	1130	442	187	143	127	107	119	646
29	144	---	1850	1390	1200	463	180	139	126	110	122	635
30	130	---	2010	1360	1100	455	174	135	125	112	116	610
31	125	---	2520	---	1030	---	168	138	---	109	---	628
TOTAL	5346	3926	19145	32189	43434	23142	9142	4749	4287	3480	4273	7970
MEAN	172	140	618	1073	1401	771	295	153	143	112	142	257
MAX	250	163	2520	2520	2040	1330	427	201	164	123	203	646
MIN	120	105	110	733	902	442	168	127	125	107	106	80

CAL YR 1978 TOTAL 161083 MEAN 441 MAX 2520 MIN 80

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	JANUARY			FEBRUARY			MARCH		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	2500	2	14	2400	3	19	4400	16	190	
2	2600	2	14	2600	2	14	4500	12	146	
3	2800	3	23	2800	3	23	4400	8	95	
4	3000	5	41	3000	2	16	4200	6	68	
5	2900	7	55	3100	3	25	4000	8	86	
6	2700	5	36	3000	2	16	4200	8	91	
7	2600	3	21	2900	4	31	4200	7	79	
8	2600	1	7.0	2800	4	30	4200	11	125	
9	2600	5	35	2700	3	22	4200	8	91	
10	2600	5	35	2600	4	28	4100	10	111	
11	2500	4	27	2500	4	27	4200	18	204	
12	2300	3	19	2500	4	27	4400	21	249	
13	2200	3	18	2700	4	29	4600	15	186	
14	2100	2	11	2900	5	39	4700	19	241	
15	2100	2	11	3000	4	32	5200	21	295	
16	2100	3	17	3200	5	43	5300	27	386	
17	2200	4	24	3500	6	57	5800	26	407	
18	2300	2	12	3500	4	38	6000	33	535	
19	2300	5	31	3300	6	53	6300	31	527	
20	2400	2	13	3000	5	41	6600	29	517	
21	2900	4	31	3400	5	46	4700	32	406	
22	3500	5	47	3500	5	47	2000	33	178	
23	3400	3	28	3500	4	38	2100	30	170	
24	3100	3	25	3300	3	27	2100	25	142	
25	2600	2	14	3100	4	33	2200	24	143	
26	2500	4	27	3100	3	25	2200	19	113	
27	2300	2	12	3100	4	33	2200	17	101	
28	2000	1	5.4	3700	8	80	2200	19	113	
29	1900	5	26	3900	18	190	2200	20	119	
30	2000	2	11	---	---	---	2600	30	211	
31	2200	3	18	---	---	---	2600	33	232	
TOTAL	77800	---	708.4	88600	---	1129	122600	---	6557	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	APRIL			MAY			JUNE		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	2200	40	238	8600	7	163	25300	17	1160	
2	2600	28	197	8700	9	211	25800	19	1320	
3	3100	23	193	9000	8	194	25800	17	1180	
4	3900	19	200	8900	10	240	26300	16	1140	
5	4000	19	205	9200	10	248	27500	17	1260	
6	2700	17	124	11300	16	488	28800	21	1630	
7	2400	21	136	13000	24	842	28800	28	2180	
8	6600	30	535	13400	18	651	29500	28	2230	
9	6900	19	354	9400	7	178	29800	34	2740	
10	7100	16	307	14600	19	749	30000	35	2840	
11	7300	14	276	14600	20	788	30500	37	3050	
12	7200	12	233	14000	13	491	31300	43	3630	
13	7100	13	249	14600	11	434	33300	43	3870	
14	6900	11	205	18000	16	778	34300	45	4170	
15	6700	10	181	19200	21	1090	34500	42	3910	
16	6700	9	163	20600	31	1720	34500	42	3910	
17	6700	6	109	25000	30	2030	34800	43	4040	
18	6000	8	130	25500	27	1860	34800	39	3660	
19	4200	10	113	24800	23	1540	35000	36	3400	
20	5100	8	110	23500	23	1460	34800	32	3010	
21	4500	8	97	25300	33	2250	34300	36	3330	
22	5900	13	207	25800	46	3200	34100	31	2850	
23	6900	9	168	25800	41	2860	34100	30	2760	
24	6500	8	140	25500	29	2000	34500	24	2240	
25	5900	6	96	25300	30	2050	33500	21	1900	
26	5700	8	123	25000	26	1760	33500	19	1720	
27	6000	9	146	24500	20	1320	31500	20	1700	
28	7400	6	120	24800	20	1340	29000	18	1410	
29	7800	11	232	24500	18	1190	28300	16	1220	
30	8100	10	219	24300	20	1310	28000	18	1360	
31	---	---	---	25000	21	1420	---	---	---	
TOTAL	170100	---	5806	581700	---	36855	936200	---	74820	



TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	JULY			AUGUST			SEPTEMBER		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	28000	21	1590	26800	5	362	8400	3	68	
2	27800	21	1580	32900	6	533	7700	3	62	
3	27500	14	1040	33500	6	543	7600	3	62	
4	26800	11	796	29400	5	397	6300	3	51	
5	25500	13	895	19600	6	318	7000	3	57	
6	15100	13	530	16200	3	131	7800	3	63	
7	10000	15	405	15400	4	166	7900	3	64	
8	3400	11	101	17300	3	140	8100	4	87	
9	3900	12	126	20400	2	110	9000	3	73	
10	3900	16	168	18400	2	99	9100	4	98	
11	3600	18	175	15700	3	127	8900	2	48	
12	3400	13	119	14900	2	80	13600	3	110	
13	4900	19	251	14600	2	79	25800	4	279	
14	14000	14	529	13600	2	73	32600	7	616	
15	26500	12	859	12800	3	104	31900	8	689	
16	24300	10	656	16000	3	130	31000	12	1000	
17	23000	10	621	17300	2	93	29700	5	401	
18	18600	9	452	11000	3	89	32000	4	346	
19	19300	11	573	4000	1	11	32200	10	869	
20	31000	10	837	4600	4	50	32600	8	704	
21	24000	7	454	4600	3	37	32400	8	700	
22	21100	7	399	4600	4	50	23500	8	508	
23	20400	5	275	4600	3	37	10700	4	116	
24	20900	7	395	4400	3	36	24000	5	324	
25	26600	4	287	4400	2	24	31800	6	515	
26	24500	7	463	4300	2	23	31300	4	338	
27	23500	8	508	4300	3	35	31800	4	343	
28	26600	9	646	4600	4	50	30700	4	332	
29	32500	10	878	5800	2	31	31000	4	335	
30	32500	6	527	5700	3	46	31700	5	428	
31	32200	5	435	6800	3	55	---	---	---	
TOTAL	625300	---	17570	408500	---	4059	628100	---	9686	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	OCTOBER			NOVEMBER			DECEMBER		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	33000	4	356	27000	8	583	8000	9	194	
2	33200	4	359	26100	4	282	4400	12	143	
3	33800	3	274	25700	4	278	4500	8	97	
4	34300	5	463	27700	7	524	4500	8	97	
5	35300	2	191	30300	4	327	3800	11	113	
6	35300	2	191	32600	6	528	2900	5	39	
7	34000	5	459	33100	3	268	2900	4	31	
8	31600	4	341	31700	3	257	2300	7	43	
9	30200	9	734	30400	6	492	2300	5	31	
10	30400	9	739	29400	3	238	2400	3	19	
11	32100	8	693	30200	3	245	2500	12	81	
12	34800	13	1220	29400	5	397	2300	8	50	
13	37400	11	1110	28400	4	307	2200	5	30	
14	34200	9	831	28500	3	231	2200	3	18	
15	32000	7	605	26200	4	283	2400	6	39	
16	33000	10	891	25400	4	274	2400	6	39	
17	33300	6	539	24000	4	259	2400	1	6.5	
18	31600	2	171	22600	4	244	2400	6	39	
19	32000	4	346	22000	2	119	2300	4	25	
20	32000	2	173	21600	4	233	2400	5	32	
21	30900	7	584	21500	5	290	2400	4	26	
22	30600	2	165	21000	5	284	3200	10	86	
23	30500	4	329	20900	4	226	3000	19	154	
24	30500	3	247	20200	5	273	3100	12	100	
25	30800	4	333	19900	2	107	3100	15	126	
26	30600	7	578	19900	4	215	3300	13	116	
27	30300	2	164	19100	4	206	3800	10	103	
28	30100	2	163	17500	3	142	6200	13	218	
29	29800	6	483	16900	3	137	6000	17	275	
30	29300	8	633	13300	8	287	6000	14	227	
31	28400	6	460	---	---	---	5800	15	235	
TOTAL	995300	---	14825	742500	---	8536	107400	---	2832.5	
YEAR	5484100		183383.9							

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	5900	6	96	3100	6	50	2900	2	16
2	5800	4	63	3200	6	52	3100	1	8.4
3	5600	4	60	4500	3	36	3100	2	17
4	5600	6	91	5200	3	42	3100	1	8.4
5	4900	6	79	4500	3	36	3100	8	67
6	2700	6	44	2900	3	23	3100	2	17
7	2200	5	30	2900	3	23	3100	1	8.4
8	2300	6	37	2900	3	23	3100	2	17
9	2200	7	42	2900	5	39	3100	3	25
10	2600	6	42	2800	4	30	3400	1	9.2
11	2800	6	45	2600	4	28	3400	3	28
12	2300	5	31	2700	2	15	3400	3	28
13	2200	5	30	2800	2	15	3400	5	46
14	2200	6	36	2800	5	38	3400	4	37
15	2200	5	30	2900	2	16	3500	3	28
16	2300	4	25	2900	2	16	3400	2	18
17	2200	10	59	2900	2	16	3400	2	18
18	2200	6	36	2900	2	16	3400	1	9.2
19	2300	12	75	2900	1	7.8	3400	6	55
20	2800	7	53	2900	1	7.8	3400	4	37
21	2800	7	53	2900	2	16	3400	5	46
22	2800	6	45	2900	2	16	3400	1	9.2
23	2800	6	45	2900	1	7.8	3500	4	38
24	2900	5	39	2900	1	7.8	3500	4	38
25	3000	6	49	2900	1	7.8	3400	5	46
26	3000	3	24	2900	1	7.8	3300	4	36
27	3000	5	41	3000	1	8.1	3200	5	43
28	3000	8	65	3000	2	16	3500	4	38
29	3000	8	65	---	---	---	3500	4	38
30	3000	5	41	---	---	---	3600	4	39
31	3000	4	32	---	---	---	3600	3	29
TOTAL	95600	---	1503	86600	---	616.9	103100	---	897.8

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3600	1	9.7	2800	5	38	2800	9	68
2	3600	6	58	2800	2	15	2600	8	56
3	3600	4	39	2800	4	30	2400	8	52
4	3600	4	39	2800	3	23	2100	12	68
5	3600	4	39	2800	4	30	2500	9	61
6	3600	3	29	2800	2	15	2600	8	56
7	3600	3	29	2900	4	31	2900	7	55
8	3600	3	29	2900	5	39	2800	14	106
9	3600	5	49	2900	2	16	3000	11	89
10	3600	3	29	2800	2	15	2600	6	42
11	3700	4	40	2700	2	15	2500	7	47
12	3700	4	40	2700	2	15	2600	9	63
13	3800	3	31	2600	1	7.0	2500	7	47
14	4000	2	22	2700	2	15	2600	10	70
15	4000	3	32	2800	18	136	2600	8	56
16	4000	2	22	2900	60	470	2500	9	61
17	3700	8	80	3400	24	220	2500	7	47
18	2600	12	84	3500	5	47	2900	8	63
19	2600	5	35	3400	2	18	4200	11	125
20	2700	4	29	3200	3	26	4200	12	136
21	2700	4	29	2900	5	39	4500	8	97
22	2700	5	36	2800	1	7.6	5900	8	127
23	2700	5	36	2700	4	29	8200	9	199
24	2700	4	29	2500	5	34	8300	10	224
25	2700	9	66	2900	6	47	8300	8	179
26	2700	11	80	2700	2	15	8900	10	240
27	2800	4	30	2500	5	34	8600	10	232
28	2900	3	23	2500	4	27	7900	8	171
29	2900	4	31	2500	7	47	5100	7	96
30	2900	4	31	2500	12	81	2600	10	70
31	---	---	---	2700	9	66	---	---	---
TOTAL	98500	---	1155.7	87400	---	1647.6	123700	---	3003

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	JULY			AUGUST			SEPTEMBER		
		MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	2500	5	34	4200	1	11	19300	2	104	
2	2500	4	27	4200	1	11	19300	2	104	
3	2400	6	39	4200	1	11	19300	2	104	
4	2500	5	34	4200	1	11	21900	8	473	
5	2500	8	54	4200	1	11	24700	16	1070	
6	2400	9	58	4200	1	11	24400	11	725	
7	2400	9	58	4200	1	11	22900	3	185	
8	2400	5	32	4300	1	12	19400	2	105	
9	2700	7	51	4300	2	23	19300	5	261	
10	5100	6	83	4300	2	23	19300	2	104	
11	6500	8	140	4300	2	23	19500	2	105	
12	6300	6	102	4300	2	23	19600	2	106	
13	9200	9	224	4400	2	24	19500	2	105	
14	15000	10	405	4300	2	23	19700	3	160	
15	10000	6	162	5800	1	16	19900	4	215	
16	7900	2	43	7800	1	21	20000	3	162	
17	8000	7	151	8100	1	22	20000	5	270	
18	7900	5	107	10900	1	29	21100	4	228	
19	8100	5	109	14900	5	201	22300	16	963	
20	8200	4	89	14900	1	40	17500	2	95	
21	8200	3	66	14700	2	79	13500	4	146	
22	8200	7	155	16600	1	45	20700	2	112	
23	6300	5	85	19300	1	52	20900	5	282	
24	4200	2	23	19100	1	52	20700	3	168	
25	4300	4	46	19300	1	52	19600	5	265	
26	4400	4	48	19400	2	105	19700	8	426	
27	4200	5	57	19300	1	52	20000	17	918	
28	4100	4	44	19400	2	105	15500	3	126	
29	4100	8	89	19400	1	52	10400	1	28	
30	4100	5	55	19100	7	361	10200	10	275	
31	4100	5	55	19200	3	156	---	---	---	
TOTAL	170700	---	2725	326800	---	1668	580100	---	8390	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	OCTOBER			NOVEMBER			DECEMBER		
		MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	10300	8	222	7740	6	125	2670	7	50	
2	10500	9	255	8250	6	134	2600	4	28	
3	10600	10	286	10500	4	113	2640	7	50	
4	10700	11	318	10400	2	56	2710	9	66	
5	11600	7	219	10500	3	85	2690	9	65	
6	10700	4	116	11200	3	91	2660	10	72	
7	10600	5	143	10500	6	170	2660	3	22	
8	10700	6	173	10400	7	197	2620	4	28	
9	11400	4	123	10500	13	369	2580	6	42	
10	11000	10	297	10900	2	59	2550	8	55	
11	10700	10	289	11900	2	64	2520	6	41	
12	10600	6	172	12200	4	132	2480	5	33	
13	10600	6	172	9900	3	80	2420	6	39	
14	10600	8	229	5790	4	63	2530	4	27	
15	10600	8	229	5730	5	77	2680	7	51	
16	10600	9	258	5040	3	41	2800	5	38	
17	10600	6	172	2740	8	59	2670	7	50	
18	10600	11	315	2670	10	72	2780	5	38	
19	10500	8	227	2640	14	100	2780	6	45	
20	10500	10	284	5100	6	83	2690	9	65	
21	10500	7	198	8740	8	189	2690	4	29	
22	10500	9	255	8460	6	137	2660	5	36	
23	11700	10	316	8430	10	228	2630	3	21	
24	10600	13	372	8440	8	182	2640	6	43	
25	7470	10	202	8420	5	114	2640	6	43	
26	7720	7	146	8820	3	71	2640	1	7.1	
27	7730	5	104	9520	6	154	2630	1	7.1	
28	7700	7	146	4230	6	69	2630	8	57	
29	7700	7	146	2770	6	45	2640	3	21	
30	7780	8	168	2720	4	29	2640	8	57	
31	7700	7	146	---	---	---	2650	4	29	
TOTAL	311100	---	6698	235150	---	3388	81820	---	1255.2	
YEAR	2300570		32948.2							

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2680	1	7.2	17600	2	95	18000	4	194
2	2680	3	22	17400	6	282	18000	3	146
3	2660	5	36	17100	8	369	17800	3	144
4	6390	6	104	17000	3	138	17700	3	143
5	14900	5	201	17000	5	230	16700	2	90
6	14900	2	80	17200	4	186	14300	2	77
7	14900	2	80	17600	4	190	14500	4	157
8	15000	2	81	18000	5	243	14700	2	79
9	15100	2	82	18300	4	198	14800	3	120
10	15000	2	81	18200	5	246	14800	2	80
11	15100	5	204	18100	3	147	14600	4	158
12	15200	1	41	17400	3	141	14700	3	119
13	15200	1	41	20000	3	162	14600	4	158
14	15300	4	165	18100	2	98	14700	3	119
15	14400	6	233	17900	2	97	13900	3	113
16	8900	13	312	18300	1	49	13200	2	71
17	4970	8	107	18200	1	49	13200	2	71
18	3420	9	83	18100	1	49	12700	3	103
19	3090	9	75	18000	1	49	9130	3	74
20	3160	9	77	18400	2	99	7090	3	57
21	2990	2	16	18500	2	100	6180	5	83
22	2930	3	24	18400	1	50	4240	5	57
23	3010	8	65	18500	1	50	4210	3	34
24	3140	2	17	18400	2	99	4210	3	34
25	2820	1	7.6	18300	1	49	4170	3	34
26	2880	4	31	18200	2	98	4110	2	22
27	2810	4	30	18000	1	49	4070	3	33
28	4120	4	44	18100	1	49	4220	4	46
29	11900	5	161	---	---	---	4380	2	24
30	16800	7	318	---	---	---	4570	7	86
31	17800	5	240	---	---	---	4550	4	49
TOTAL	274150	---	3065.8	504300	---	3661	338030	---	2775

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4660	4	50	27000	6	437	15300	6	248
2	6210	2	34	27000	9	656	15300	6	248
3	6740	3	55	25500	10	689	15400	3	125
4	6690	2	36	23400	6	379	15500	7	293
5	6480	3	52	21700	8	469	15700	8	339
6	5800	1	16	20400	5	275	15900	4	172
7	5580	2	30	16100	8	348	15800	5	213
8	5490	2	30	11400	5	154	15700	6	254
9	5530	2	30	10900	7	206	15000	5	203
10	6610	2	36	10700	10	289	9440	4	102
11	7290	1	20	10500	10	284	15600	6	253
12	7370	2	40	10600	9	258	15500	5	209
13	7500	4	81	10500	7	198	15500	8	335
14	7580	3	61	12500	6	203	15800	4	171
15	8070	5	109	15400	8	333	15700	3	127
16	9700	4	105	15400	9	374	15800	2	85
17	12000	1	32	15500	8	335	15700	4	170
18	12300	2	66	15500	10	419	15600	3	126
19	11700	2	63	15500	8	335	15500	6	251
20	11600	2	63	15500	7	293	15600	8	337
21	11600	2	63	15500	6	251	15700	5	212
22	11700	1	32	15400	7	291	15700	5	212
23	12000	2	65	15400	9	374	15400	7	291
24	12600	2	68	15500	9	377	15400	7	291
25	15800	2	85	15700	7	297	18000	8	389
26	19200	3	156	15700	7	297	22900	12	742
27	23700	4	256	15800	8	341	28100	11	835
28	26200	6	424	16000	8	346	33200	11	986
29	26200	6	424	15700	7	297	36400	14	1380
30	26700	6	433	15900	8	343	36400	20	1970
31	---	---	---	15600	9	379	---	---	---
TOTAL	340600	---	3015	503200	---	10527	542540	---	11569

TABLE 11A. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY.

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	36100	28	2730	16300	9	396	8410	3	68
2	32900	13	1150	18100	7	342	8410	4	91
3	28000	13	983	16200	5	219	14500	4	157
4	25200	10	680	21500	5	290	18300	5	247
5	18900	13	663	25800	5	348	18400	8	397
6	14600	10	394	16300	5	220	18500	7	350
7	14300	9	347	9410	7	178	14800	8	320
8	13700	7	259	12500	6	203	7530	3	61
9	15500	7	293	14400	6	233	5800	10	157
10	16500	8	356	13400	6	217	5920	3	48
11	16100	9	391	13400	1	36	5920	8	128
12	15400	11	457	12000	3	97	5920	2	32
13	17900	14	677	11100	3	90	5920	3	48
14	16700	15	676	11400	2	62	5920	2	32
15	14000	15	567	11700	3	95	4860	2	26
16	12000	16	518	11500	2	62	2990	2	16
17	6660	13	234	11500	2	62	5830	2	31
18	4900	14	185	11500	2	62	5830	2	31
19	4900	15	198	11300	3	92	5830	2	31
20	4940	19	253	11200	2	60	5830	2	31
21	7260	25	490	10400	2	56	5800	3	47
22	14000	18	680	9930	2	54	9600	3	78
23	13700	12	444	9930	2	54	14600	2	79
24	19800	16	855	9760	8	211	18600	3	151
25	21000	13	737	9760	2	53	19900	3	161
26	26200	9	637	9760	2	53	20700	3	168
27	22100	7	418	9760	2	53	20100	4	217
28	22100	11	656	9830	6	159	21100	3	171
29	15300	17	702	9500	2	51	20900	2	113
30	15700	16	678	9280	3	75	18900	3	153
31	31100	13	1090	8760	1	24	---	---	---
TOTAL	537460	---	19398	387180	---	4207	345620	---	3640

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	9700	2	52	22600	6	366	10600	6	172
2	18600	2	100	22700	12	735	10700	3	87
3	22800	2	123	22900	14	866	12400	2	67
4	25800	2	139	18700	10	505	13300	6	215
5	25500	2	138	15400	17	707	13300	6	215
6	25300	2	137	15400	14	582	13300	4	144
7	25400	1	69	15300	20	826	13200	4	143
8	23500	2	127	15200	33	1350	13200	5	178
9	22600	5	305	15200	13	534	13400	4	145
10	22800	2	123	15100	18	734	13500	9	328
11	22600	2	122	17100	8	369	13400	3	109
12	22600	2	122	22200	3	180	13400	8	289
13	22800	2	123	22100	7	418	13900	9	338
14	22700	2	123	21800	5	294	15400	4	166
15	22700	1	61	22300	4	241	15400	7	291
16	22800	2	123	21500	4	232	15400	9	374
17	22800	2	123	20900	6	339	15300	2	83
18	22900	2	124	20900	5	282	15300	2	83
19	22800	4	246	21600	3	175	15300	4	165
20	22700	3	184	22600	4	244	15300	2	83
21	22700	2	123	22300	5	301	15200	4	164
22	22700	2	123	19000	5	256	15200	6	246
23	22700	6	368	15500	2	167	15300	2	83
24	22600	3	183	15500	10	418	15300	2	83
25	22000	2	119	15700	3	127	15300	4	165
26	23000	6	373	12300	6	199	11900	18	578
27	22600	9	549	10300	8	222	10200	4	110
28	22200	5	300	10300	3	83	10200	1	28
29	22400	6	363	10500	9	255	10200	1	28
30	22800	6	369	10600	13	372	10300	3	83
31	22800	9	554	---	---	---	10300	3	83
TOTAL	697900	---	6088	533500	---	12379	414400	---	5326
YEAR	5418880	---	85650.8						

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	FEBRUARY		MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
					MARCH				
		JANUARY							
1	10400	8	225	24600	9	598	14900	6	241
2	10400	2	56	24500	11	728	14900	7	282
3	10300	2	56	24400	5	329	14800	4	160
4	10200	3	83	24800	8	536	15000	5	202
5	10200	2	55	24800	28	1870	15000	6	243
6	10200	2	55	23800	9	578	15100	4	163
7	12300	2	66	22500	7	425	15100	10	408
8	13200	2	71	22700	4	245	15000	8	324
9	13000	2	70	22500	5	304	15000	11	445
10	13000	2	70	22400	5	302	14900	11	443
11	13000	5	175	23000	5	310	15100	8	326
12	13000	4	140	23000	4	248	15100	5	204
13	14100	2	76	23000	11	683	14000	6	227
14	14800	9	360	21900	5	296	9880	7	187
15	14900	6	241	20100	4	217	8810	5	119
16	14900	3	121	20200	5	273	8790	9	214
17	15000	4	162	20400	5	275	8940	6	145
18	14900	3	121	16000	9	389	9130	3	74
19	14900	4	161	15900	2	86	9070	6	147
20	16700	11	496	18200	2	98	9050	11	269
21	17900	5	242	18000	3	146	7710	26	541
22	17800	4	192	18100	5	244	6870	5	93
23	18000	5	243	18100	10	489	6850	3	55
24	17900	2	97	17700	5	239	6610	8	143
25	17900	3	145	16800	2	91	5520	13	194
26	17800	4	192	17000	5	229	5000	11	148
27	20200	7	382	16200	4	175	5050	5	68
28	21800	9	530	14800	4	160	4960	4	54
29	21800	4	235	---	---	---	5030	7	95
30	21900	3	177	---	---	---	5020	13	176
31	23000	5	310	---	---	---	5100	6	83
TOTAL	475400	---	5605	575400	---	10563	321290	---	6473

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MAY		MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
					JUNE				
		APRIL							
1	5010	3	41	8810	6	143	5100	9	124
2	5160	4	56	8060	11	239	5010	24	325
3	5150	6	83	7380	5	100	5040	5	68
4	3890	7	74	7400	3	60	5100	6	83
5	2630	13	92	8560	7	162	5160	7	98
6	2610	4	28	10100	4	109	5220	16	226
7	2540	3	21	10300	6	167	5260	8	114
8	2470	2	13	10300	6	167	5250	3	43
9	2480	8	54	10400	6	168	5180	8	112
10	2510	6	41	10600	7	200	5220	3	42
11	2550	4	28	10700	7	202	5230	10	141
12	2550	4	28	10600	9	258	5250	25	354
13	2510	10	68	7600	9	185	4090	12	133
14	2920	5	39	5260	8	114	3090	19	159
15	3660	10	99	5090	6	82	3170	5	43
16	4100	3	33	5150	2	28	3190	8	69
17	4560	1	12	5370	5	72	3200	5	43
18	5020	3	41	5480	4	59	3690	5	50
19	5580	4	60	5250	9	128	3640	2	20
20	6070	13	213	5180	10	140	3790	10	102
21	5900	19	303	5120	14	194	3760	8	81
22	5440	7	103	5190	26	364	3550	3	29
23	5200	8	112	5310	16	229	3600	5	49
24	5250	4	57	5260	30	426	3650	7	69
25	5600	3	45	5220	12	169	3210	13	113
26	5960	6	97	5120	13	180	2990	17	137
27	6080	3	49	5170	26	363	3330	10	90
28	6570	5	89	5320	9	129	3330	10	90
29	7750	6	126	5310	9	129	3260	26	229
30	8720	3	71	5210	12	169	3210	7	61
31	---	---	---	5180	8	112	---	---	---
TOTAL	136440	---	2176	215000	---	5247	123770	---	3297

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KONTENAJ RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3260	8	70	2330	1	6.3	4380	2	24
2	3500	10	94	2290	3	19	4370	2	24
3	3750	6	61	2280	7	43	4180	6	68
4	3790	5	51	2230	2	12	3940	4	43
5	3710	7	70	2150	2	12	3830	4	41
6	3770	21	214	2300	2	13	4020	3	33
7	3830	49	714	2400	2	13	4150	2	22
8	3600	12	117	2440	2	13	4180	10	113
9	3850	32	333	2410	2	13	5680	7	107
10	3680	25	248	2350	2	13	17400	8	376
11	3600	20	194	2380	2	13	16700	6	271
12	4720	11	140	2390	2	13	12100	8	261
13	3680	22	219	2200	2	12	9900	2	53
14	3780	7	71	2230	6	36	9940	6	161
15	3860	13	135	2120	2	11	10000	4	108
16	3590	5	48	2100	8	45	8320	5	112
17	3500	3	28	2120	6	34	7310	4	79
18	3520	1	9.5	3290	4	36	7230	1	20
19	3500	2	19	3070	2	17	7230	5	98
20	3450	7	65	3070	3	25	7300	1	20
21	3480	28	263	2960	2	16	7200	5	97
22	3500	11	104	3030	3	25	7260	2	39
23	2730	28	206	3180	10	86	7260	2	39
24	2500	4	27	3370	6	55	7450	2	40
25	2490	4	27	3890	11	116	7530	2	41
26	2520	5	34	3890	9	95	7740	2	42
27	2410	17	111	3430	3	28	9100	4	98
28	2280	4	25	3320	5	45	10100	5	136
29	2360	9	57	3440	3	28	9990	1	27
30	2390	2	13	4380	3	35	10100	2	55
31	2330	1	6.3	4380	2	24	---	---	---
TOTAL	102930	---	3773.8	87460	---	952.3	235890	---	2648

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11400	6	185	15400	1	42	15500	2	84
2	10500	2	57	15600	1	42	13200	3	107
3	10400	4	112	15400	9	374	14000	13	491
4	10300	6	167	15200	23	944	12000	6	194
5	10300	6	167	15100	6	245	10300	3	83
6	10300	7	195	13600	31	1140	10300	6	167
7	10500	6	170	15300	9	372	10300	2	56
8	10300	5	139	15500	11	460	10000	2	54
9	10200	8	220	15600	14	590	12700	2	69
10	10600	8	229	15900	7	301	15200	1	41
11	10300	32	890	15500	3	126	18100	7	342
12	10300	29	806	15200	5	205	20300	8	438
13	10400	3	84	15400	2	83	21600	2	117
14	9600	5	130	15300	3	124	22100	3	179
15	10100	5	136	15400	3	125	22000	12	713
16	10200	4	110	15600	1	42	22000	6	356
17	10200	6	165	17400	4	188	21900	4	237
18	10000	4	108	17500	18	850	22100	12	716
19	10100	14	382	17500	19	898	20400	27	1530
20	10200	4	110	17500	8	378	11000	3	89
21	10500	1	28	17500	14	661	11000	2	59
22	9640	2	52	17600	6	285	17100	4	185
23	11900	5	161	18000	8	389	25000	12	810
24	15300	6	248	20000	3	162	24900	4	269
25	15200	8	328	20100	12	651	24700	3	200
26	15400	6	249	20200	12	654	24900	3	202
27	15300	5	207	20200	25	1360	24800	2	134
28	15300	5	207	20000	4	216	24800	2	134
29	15300	2	83	19900	1	54	24600	2	133
30	15300	2	83	18800	2	102	24500	3	198
31	15300	7	289	---	---	---	24600	7	465
TOTAL	360640	---	6497	507200	---	12063	575900	---	8852
YEAR	3717320	---	68147.1						

TABLE 118. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12301933 KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482403 LONGITUDE 1151911 DRAINAGE AREA 8985.00 DATUM 2100.00 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	24700	8	534	22000			11700		
2	24600	3	199	21800			14000		
3	24600	7	465	21800			17700		
4	24500	6	397	22000			17600		
5	24200	8	523	22000			17600		
6	24400	9	593	22000			17600		
7	24600	5	332	20200			17800		
8	24800	7	469	19300			18500		
9	25000	6	405	19300			20500		
10	24900	9	605	19300			20600		
11	24900	12	807	19300			18000		
12	24800	8	536	17800			15000		
13	24900	7	471	15400			14400		
14	24900	4	269	15300			14300		
15	24900	4	269	15300			14300		
16	24800	3	201	15300			13600		
17	24500	7	463	15300			13600		
18	24700	3	200	15300			12500		
19	20300	4	219	13900			11500		
20	19300	3	156	12700			10000		
21	25100	6	407	12700			9990		
22	24700	8	534	12600			9760		
23	24600	8	531	12900			9040		
24	24900	7	471	12900			8060		
25	24800	1	67	12700			7320		
26	24600	5	332	12600			7220		
27	24700	5	333	12500			6320		
28	24900	2	134	12100			6180		
29	24800	5	335	11800			6200		
30	24200	4	261	---			7350		
31	21900	4	237	---			12900		
TOTAL	753500	---	11755	478100			401140		

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2250	1	6.1	2460	1	6.6	17300	60	2800
2	2300	4	25	2630	1	7.1	13500	31	1130
3	2500	2	14	2830	5	38	11000	33	980
4	2700	2	15	3160	8	68	9430	27	687
5	2850	2	15	3520	2	19	8610	29	674
6	2900	2	16	3670	2	20	9090	24	589
7	2950	2	16	3290	4	36	10200	22	606
8	2800	1	7.6	3230	7	61	9520	19	488
9	2700	2	15	3410	9	83	9060	20	489
10	2500	2	14	3480	6	56	8890	26	624
11	2400	2	13	3620	8	78	10300	22	612
12	2300	1	6.2	3730	6	60	12300	18	598
13	2300	2	12	3890	8	84	13500	22	802
14	2300	2	12	4000	7	76	16600	35	1570
15	2350	1	6.3	4050	5	55	17500	40	1890
16	2400	1	6.5	4450	7	84	17800	40	1920
17	2500	1	6.8	4970	5	67	22100	51	3040
18	2700	2	15	5400	2	29	26800	82	5930
19	3000	2	16	5410	7	102	27300	133	9800
20	3300	2	18	5270	8	114	25700	100	6940
21	3550	3	29	4930	5	67	23500	77	4890
22	3550	3	29	5330	5	72	18200	52	2560
23	3350	4	36	5300	7	100	16300	55	2420
24	3000	4	32	5220	6	85	16300	36	1580
25	2700	2	15	4980	8	108	15200	23	944
26	2400	2	13	4810	4	52	13700	21	777
27	2300	2	12	4990	3	40	12400	18	603
28	2150	3	17	7370	4	80	11300	21	641
29	2050	2	11	14500	---	---	10300	13	362
30	1950	3	16	---	---	---	9870	12	320
31	1900	1	5.1	---	---	---	9780	19	502
TOTAL	80900	---	470.6	133900	---	1747.7	453350	---	57768



TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KNOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	APRIL			MAY			JUNE		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	9490	23	589	17300	14	654	56200	118	17900	
2	9590	30	777	17800	11	529	53900	114	16600	
3	10900	15	441	18900	13	663	51000	89	12300	
4	11400	11	339	20200	17	927	47800	96	12400	
5	11800	21	669	22200	20	1200	46800	64	8090	
6	12500	38	1280	25000	20	1350	47400	50	6400	
7	13500	26	948	27300	20	1470	48200	49	6380	
8	15200	22	903	27700	21	1570	48300	46	6000	
9	17100	18	831	26800	21	2320	48300	44	5740	
10	16600	15	672	26000	23	1610	48700	60	7890	
11	16000	13	562	29800	30	2410	48500	42	5500	
12	15600	12	505	31400	38	3220	47500	37	4750	
13	15200	12	492	34900	60	5650	47600	44	5650	
14	14700	12	476	42100	112	12700	46700	61	7690	
15	14100	16	609	49400	138	18400	46400	58	7270	
16	14100	13	495	52500	201	28500	46400	66	8270	
17	13800	13	484	54600	172	25400	46300	52	6500	
18	13300	14	503	56700	148	22700	45600	46	5660	
19	11800	14	446	53300	122	17600	45000	42	5100	
20	10600	16	458	51100	90	12400	44400	47	5630	
21	10500	19	539	51400	78	10800	44900	39	4730	
22	10700	14	404	52400	80	11300	44900	40	4850	
23	11600	14	438	51900	77	10800	44500	38	4570	
24	12900	13	453	49700	65	8720	44700	31	3740	
25	12300	12	399	46400	65	8140	43800	41	4850	
26	11900	17	546	44100	54	6430	43500	36	4230	
27	12000	20	648	42900	46	5330	43100	36	4190	
28	13200	13	463	44400	41	4920	39200	35	3700	
29	15500	14	586	48000	48	6220	38400	28	2900	
30	17000	14	643	49400	53	7070	37600	22	2230	
31	---	---	---	53900	71	10300	---	---	---	
TOTAL	394880	---	17598	1219500	---	251303	1385600	---	201710	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	JULY			AUGUST			SEPTEMBER		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	37300	25	2520	34300	35	3240	7510	5	101	
2	36600	26	2570	31200	18	1520	8020	4	87	
3	35500	28	2680	36100	24	2340	7730	4	83	
4	34300	28	2590	36200	23	2250	7290	4	79	
5	34400	21	1950	26500	11	787	6340	5	86	
6	25300	25	1710	20400	12	661	7330	5	99	
7	18500	39	1950	17700	10	478	7640	5	103	
8	11900	21	675	17100	8	369	7750	4	84	
9	9280	24	601	21000	9	510	8160	7	154	
10	9070	32	784	21200	4	229	8740	9	212	
11	8480	14	321	18100	5	244	8800	9	214	
12	8140	17	374	17100	5	231	8670	9	211	
13	9390	12	304	15500	3	126	17400	18	846	
14	13900	25	938	14900	4	161	30900	30	2500	
15	27800	52	3900	13300	9	323	32600	39	3430	
16	31700	44	3770	14800	10	400	32400	37	3240	
17	30000	29	2350	17800	7	336	30600	25	2070	
18	26900	25	1820	16800	6	272	31500	15	1280	
19	18600	19	954	7740	5	104	32700	19	1680	
20	34900	24	2260	5270	6	85	32900	31	2750	
21	33200	39	3500	6010	8	130	33200	37	3320	
22	30000	21	1700	5600	6	91	32800	30	2660	
23	25400	14	960	5630	5	76	15500	16	670	
24	23700	12	768	5650	4	61	15000	23	932	
25	28800	24	1870	5460	4	59	28900	22	1720	
26	29500	16	1270	5450	4	59	31500	21	1790	
27	27700	15	1120	5220	4	56	32300	18	1570	
28	26300	20	1420	5180	5	70	31600	23	1960	
29	34500	23	2140	5570	4	60	31400	16	1360	
30	35900	11	1070	6040	6	98	31300	19	1610	
31	35600	17	1630	6400	7	121	---	---	---	
TOTAL	792560	---	52469	465220	---	15547	618480	---	36901	

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	32800	8	708	28100	8	607	12300	8	266
2	33100	15	1340	26800	7	507	8120	9	197
3	33600	20	1810	26000	8	562	5400	10	146
4	34100	19	1750	25800	9	627	5200	9	126
5	34600	18	1680	28200	17	1290	4500	6	73
6	35200	20	1900	31100	17	1430	3800	5	51
7	34700	21	1970	33300	23	2070	3500	4	38
8	33100	27	2410	33000	20	1780	3400	4	37
9	31000	14	1170	32000	15	1300	3450	4	37
10	30400	13	1070	30400	10	821	3500	4	38
11	31200	19	1600	30000	13	1050	3700	4	40
12	33200	18	1610	30200	8	652	3910	4	42
13	36000	20	1940	29500	9	717	4000	2	22
14	35700	35	3370	28800	14	1090	3900	4	42
15	33400	23	2070	28000	12	907	3950	8	85
16	31800	13	1120	26400	11	784	4000	16	173
17	33500	18	1630	25400	6	411	4100	4	44
18	32500	23	2020	23800	7	450	4250	2	23
19	31700	17	1460	22800	11	677	4300	3	35
20	32200	13	1130	22000	20	1190	4300	4	46
21	31600	19	1620	21600	15	875	4300	4	46
22	30900	14	1170	21400	10	578	4400	4	48
23	30500	16	1320	21100	9	513	4500	5	61
24	30500	15	1240	20800	8	449	4600	7	87
25	30600	16	1320	19500	8	421	4600	4	50
26	30700	22	1820	19800	7	374	4500	5	61
27	30600	13	1070	20100	5	271	4700	5	63
28	30500	9	741	18600	7	352	5800	6	94
29	30300	11	900	17100	6	277	6600	4	71
30	29900	10	807	16800	6	272	7000	7	132
31	29100	10	786	---	---	---	6900	8	149
TOTAL	999000	---	46552	758400	---	23304	151480	---	2423
YEAR	7453270		707793.3						

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6800	8	147	4630	10	125	4450	10	120
2	6600	6	107	4550	12	147	4550	5	61
3	6200	6	100	4710	16	203	4550	5	61
4	5700	4	62	5770	7	109	4480	4	48
5	5400	3	44	6210	8	134	4340	3	35
6	3500	3	28	5330	6	86	4340	3	35
7	2600	3	21	3940	2	21	4290	4	46
8	2550	3	21	3820	3	31	4290	4	46
9	2550	4	28	3750	3	30	4170	4	45
10	2600	3	21	4000	3	32	4340	4	47
11	2650	3	21	4040	2	22	4920	3	40
12	2800	3	23	3840	5	52	5120	3	41
13	3000	3	24	3820	2	21	4850	2	26
14	3300	3	27	3720	4	40	4710	4	51
15	3600	5	49	3740	15	151	4590	4	50
16	4400	8	95	3780	10	102	4680	5	63
17	4800	9	117	3820	8	83	4640	3	38
18	5000	10	135	3840	8	83	4920	2	27
19	4900	12	159	3920	6	64	4870	2	26
20	4800	9	117	3840	7	73	4840	4	52
21	4700	8	102	3920	8	85	4850	2	26
22	4600	10	124	4000	7	76	4920	3	40
23	4500	8	97	3940	2	21	5090	4	55
24	4500	7	85	4020	1	11	5130	3	42
25	4500	6	73	4040	2	22	5200	3	42
26	4550	8	98	4160	1	11	5240	3	42
27	4600	8	99	4390	2	24	5410	3	44
28	4650	5	63	4430	3	36	5360	4	58
29	4700	6	76	---	---	---	5510	4	60
30	4750	9	115	---	---	---	5530	4	60
31	4760	5	64	---	---	---	5400	4	58
TOTAL	134560	---	2342	117970	---	1895	149580	---	1485

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	5420	4	59	8720	7	165	11600	12	376
2	5470	5	74	8430	8	182	10900	11	324
3	5440	6	88	8540	10	231	9920	3	80
4	5450	6	88	9020	17	414	9020	1	24
5	5330	6	86	9700	10	262	8810	1	24
6	5730	7	108	10300	22	612	9210	1	25
7	5980	5	81	11700	18	569	10300	2	56
8	5910	4	64	12300	11	365	11000	4	119
9	5860	2	32	12100	11	359	12300	8	266
10	5900	2	32	11400	10	308	10700	5	144
11	5980	5	81	10600	16	458	9320	4	101
12	6370	5	86	9890	4	107	8670	5	117
13	6900	8	149	9800	7	185	8310	5	112
14	7920	8	171	11000	9	267	7990	8	173
15	8310	6	135	13600	6	220	7810	11	232
16	8250	7	156	17900	18	870	7430	6	120
17	8260	9	201	22800	35	2150	7110	4	77
18	8110	7	153	25200	31	2110	6800	4	73
19	7110	5	96	24500	30	1980	7560	7	143
20	6730	10	182	22600	20	1220	8220	7	155
21	6690	17	307	18800	22	1120	8120	7	153
22	6500	13	228	15600	9	379	8780	4	95
23	6830	6	111	14300	6	232	10800	6	175
24	7310	5	99	13700	8	296	11900	14	450
25	7740	17	355	15100	9	367	11900	8	257
26	7860	7	149	14700	24	953	12200	18	593
27	8010	13	281	12700	16	549	12200	12	395
28	9020	21	511	11400	6	185	11800	18	573
29	9390	19	482	10700	7	202	9730	9	236
30	9130	7	173	10600	15	429	6450	6	104
31	---	---	---	11100	9	270	---	---	---
TOTAL	208910	---	4818	418800	---	18016	286860	---	5772

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4990	9	121	4410	6	71	20000	6	324
2	4590	8	99	4480	10	121	19900	4	215
3	4380	9	106	4480	3	36	19900	2	107
4	4150	6	67	4380	5	59	20000	6	324
5	4150	9	101	4510	3	37	25100	11	745
6	4360	4	47	4780	7	90	25300	9	615
7	4230	7	80	4610	8	100	25200	3	204
8	4090	3	33	4480	4	48	21100	6	342
9	3920	2	21	4400	2	24	19700	4	213
10	4930	2	27	4370	2	24	19600	7	370
11	7550	7	143	4510	1	12	19600	5	265
12	7880	7	149	4490	2	24	20100	6	326
13	7930	7	150	4410	1	12	20100	3	163
14	13700	11	407	4360	2	24	20100	7	380
15	15700	19	805	4340	4	47	20300	8	438
16	10100	8	218	6690	2	36	20700	8	447
17	9350	3	76	7210	2	39	20600	3	167
18	9080	2	49	7920	2	43	20700	2	112
19	9150	2	49	12900	3	104	23300	6	377
20	9220	4	100	14400	8	311	22800	3	185
21	9190	6	149	14300	7	270	13100	2	71
22	9130	15	370	14200	3	115	19400	7	367
23	9070	8	196	18400	8	397	21000	6	340
24	6010	4	65	19300	12	625	22700	3	184
25	5050	1	14	19300	9	469	20900	3	169
26	5310	2	29	19800	8	428	20500	5	277
27	5180	6	84	19800	4	214	20600	5	278
28	4980	2	27	19600	6	318	20700	2	112
29	4800	4	52	19900	9	484	12100	3	98
30	4720	6	76	19800	6	321	10500	3	85
31	4530	4	49	19600	5	265	---	---	---
TOTAL	211420	---	3959	320130	---	5168	605600	---	8300

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	10400	4	112	8800	8	190	6160	13	216
2	10500	2	57	8580	6	139	5860	8	127
3	10700	2	58	10300	6	167	5310	7	100
4	10800	2	58	11600	7	219	5430	5	73
5	10800	1	29	11400	5	154	4960	9	121
6	11900	2	64	11400	6	185	4870	13	171
7	10900	4	118	12100	6	196	5080	13	178
8	11100	4	120	11400	4	123	5610	13	197
9	11000	2	59	11700	6	190	5000	11	149
10	11700	1	32	12800	4	138	4720	9	115
11	11200	2	60	15800	9	384	5130	9	125
12	10900	1	29	21300	12	690	5000	5	68
13	10900	3	88	19900	17	913	5090	6	82
14	11200	1	30	13000	14	491	5080	4	55
15	11200	2	60	10000	11	297	5050	8	109
16	10900	1	29	10700	9	260	6630	5	90
17	11000	1	30	8350	7	158	9620	3	78
18	10900	2	59	6310	8	136	9450	7	179
19	10900	1	29	5420	7	102	8210	8	177
20	11000	2	59	4910	6	80	7510	10	203
21	11100	5	150	10600	6	172	7260	4	78
22	11400	2	62	11700	5	158	7120	3	58
23	11300	3	92	11000	6	178	6790	3	55
24	12500	1	34	11000	2	59	6560	4	71
25	10300	2	56	11100	6	180	6630	2	36
26	8630	1	23	11000	4	119	6280	4	68
27	8740	1	24	12500	5	169	6330	2	34
28	8570	1	23	10400	7	197	5830	4	63
29	8990	1	24	6730	5	91	5700	2	31
30	8830	1	24	6190	2	33	5300	5	72
31	8920	3	72	---	---	---	5000	2	27
TOTAL	329180	---	1764	327990	---	6568	188570	---	3206

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4590	2	25	23400	57	3600	21500	22	1280
2	4550	3	37	23200	38	2380	21500	23	1340
3	4500	3	36	22700	38	2330	21300	15	863
4	4700	4	51	22500	38	2310	21100	10	570
5	14900	2	80	22300	41	2470	21000	21	1190
6	20800	2	112	22000	85	5050	19400	19	995
7	19800	3	160	22000	40	2380	17500	15	709
8	19000	4	205	22100	57	3400	17400	14	658
9	18700	2	101	22600	78	4760	17500	12	567
10	18700	5	252	22400	59	3570	17800	11	529
11	19300	5	261	22200	34	2040	17600	12	570
12	19700	5	266	22000	26	1540	17500	13	614
13	19100	2	103	21300	30	1730	17800	17	817
14	19400	2	105	21100	31	1770	17800	19	913
15	27100	5	366	21500	19	1100	18000	35	1700
16	52900	155	22100	21600	8	467	17000	14	643
17	54100	530	77400	21700	15	879	18100	19	929
18	38500	63	6550	21500	28	1630	19700	25	1330
19	26100	80	5640	21500	25	1450	18800	30	1520
20	21100	75	4270	21400	20	1160	14400	17	661
21	17200	70	3250	21600	22	1280	12500	20	675
22	14500	65	2540	21600	28	1630	11000	14	416
23	13400	59	2130	21500	17	987	8940	14	338
24	12500	53	1790	21400	21	1210	8560	14	324
25	12100	48	1570	21400	17	982	8430	13	296
26	11600	42	1320	21300	21	1210	8340	12	270
27	11200	37	1120	21200	17	973	8800	10	238
28	10700	31	896	21200	20	1140	10500	15	425
29	12400	69	2310	---	---	---	14000	30	1130
30	20500	102	5650	---	---	---	15500	57	2390
31	23100	88	5490	---	---	---	15500	70	2930
TOTAL	586740	---	146186	612200	---	55428	494770	---	27830

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	14700	41	1630	48800	157	20700	36200	44	4300
2	14200	32	1230	49000	177	23400	36600	35	3460
3	15400	34	1410	46500	130	16300	40500	38	4160
4	15000	28	1130	42900	101	11700	44300	71	8490
5	14600	21	828	42200	72	8200	44300	92	11000
6	14300	17	656	44300	87	10400	41300	51	5690
7	14200	18	690	47700	125	16100	39100	50	5280
8	14100	19	723	44700	128	15400	37400	30	3030
9	14200	28	1070	42700	115	13300	37000	43	4300
10	14500	20	783	38900	95	9980	34100	40	3680
11	16800	31	1410	34000	64	5880	36400	31	3050
12	18700	32	1620	30400	48	3940	39600	99	10600
13	18800	30	1520	27900	40	3010	45800	115	14200
14	18200	28	1380	25700	35	2430	47000	98	12400
15	18300	25	1240	27500	31	2300	47400	93	11900
16	19800	26	1390	27800	34	2550	48600	97	12700
17	22700	29	1780	26800	29	2100	49100	108	14300
18	25200	52	3540	26200	24	1700	47300	77	9830
19	26200	49	3470	25800	24	1670	44500	92	11100
20	26500	46	3290	25300	22	1500	42300	70	7990
21	26700	55	3960	25200	23	1560	39900	51	5490
22	25700	47	3260	26100	25	1760	37400	39	3940
23	25600	43	2970	28300	26	1990	36500	14	1380
24	28600	58	4080	30400	24	1970	35300	14	1330
25	35100	112	10600	31900	41	3530	33900	32	2930
26	41600	218	24500	35800	87	8410	35400	42	4010
27	44700	265	32000	41600	117	13100	38400	34	3530
28	47500	235	30100	42300	91	10400	41600	39	4380
29	45800	142	17600	41100	68	7550	47400	40	5120
30	45700	125	15400	39600	53	5670	47900	70	9050
31	---	---	---	38300	41	4240	---	---	---
TOTAL	723400	---	175660	1105700	---	232740	1232500	---	202620

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	47700	53	6830	31400	49	4150	9580	4	103
2	46900	58	7340	19300	15	782	9120	5	123
3	40000	40	4320	20300	11	603	9120	4	98
4	34800	28	2630	18900	9	459	17300	11	514
5	33300	25	2250	26100	14	987	19200	17	881
6	24000	27	1750	26300	18	1280	19500	10	527
7	22100	23	1370	16700	13	586	19400	8	419
8	21500	20	1160	11900	13	418	13700	4	148
9	23200	12	752	15400	11	457	7730	4	83
10	24000	14	907	16000	11	475	7020	6	114
11	23000	10	621	15300	12	496	7000	7	132
12	22700	16	981	15300	13	537	6940	2	37
13	21200	14	801	13800	18	671	6670	4	72
14	24700	20	1330	13000	6	211	6610	3	54
15	20400	18	991	13400	10	362	6610	4	71
16	19300	13	677	13500	12	437	5700	2	31
17	15000	20	810	13200	10	356	4570	4	49
18	9580	26	673	13000	6	211	6470	26	454
19	9230	20	498	12800	7	242	6510	48	844
20	9220	11	274	12600	8	272	6460	3	52
21	8690	17	399	12400	7	234	6480	1	17
22	12500	19	641	11500	7	217	6440	2	35
23	21100	28	1600	11200	7	212	10300	3	83
24	27000	44	3210	11100	7	210	15600	5	211
25	21500	33	1920	11100	6	180	20300	8	438
26	26300	28	1990	11100	6	180	21200	8	458
27	31800	40	3430	11000	6	178	22100	14	835
28	24100	40	2600	10900	6	177	21300	13	748
29	24700	27	1800	10900	5	147	22600	12	732
30	16600	17	762	10500	5	142	22400	11	665
31	23400	24	1520	10200	5	138	---	---	---
TOTAL	729520	---	56837	460100	---	16007	363930	---	9028

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	NOVEMBER			DECEMBER		
				MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER									
1	17800	12	577	25000	10	675	11600	3	94
2	11400	6	185	24900	9	605	11500	1	31
3	20900	11	621	25000	8	540	11600	1	31
4	26100	18	1270	25000	10	675	13800	2	75
5	27800	21	1580	17800	6	288	14200	1	38
6	27600	16	1190	16600	5	224	14200	3	115
7	27400	14	1040	16700	8	361	14200	3	115
8	27400	14	1040	16800	8	363	14000	1	38
9	24900	13	874	16600	8	359	14000	2	76
10	24700	16	1070	16400	8	354	14200	1	38
11	24700	15	1000	16200	9	394	14300	2	77
12	24700	13	867	21100	12	684	14200	2	77
13	24800	12	804	24900	12	807	14200	2	77
14	25000	12	810	24200	13	849	15800	6	256
15	24800	14	937	24400	13	856	16500	9	401
16	24900	13	874	24600	13	863	16500	7	312
17	24900	13	874	23500	12	761	16500	8	356
18	24900	12	807	23100	12	748	16500	6	267
19	25100	11	745	23400	12	758	16500	7	312
20	24900	---	---	25100	15	1020	16600	9	403
21	24900	---	---	27500	21	1560	16900	11	502
22	24900	---	---	30300	24	1960	17600	10	475
23	24900	---	---	22200	12	719	17400	11	517
24	24900	---	---	18900	8	408	17000	7	321
25	24800	8	536	18100	6	293	17000	5	229
26	24400	7	461	17900	7	338	16800	2	91
27	25100	8	542	12900	5	174	13400	2	72
28	24800	9	603	11700	4	126	11500	2	62
29	24300	8	525	11600	3	94	11200	4	121
30	24900	9	605	11600	3	94	11200	4	121
31	25100	10	678	---	---	---	11200	6	181
TOTAL	757700	---	21115	614000	---	17950	452100	---	5881
YEAR	8132660	---	967282	---	---	---	---	---	---

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	FEBRUARY			MARCH		
				MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY									
1	11400	3	92	26900	---	---	17000	8	367
2	11300	3	92	28000	---	---	17400	6	282
3	11200	2	60	27700	---	---	17800	9	433
4	11200	2	60	27800	---	---	18300	7	346
5	10900	1	29	27900	---	---	18600	6	301
6	11000	1	30	27800	---	---	18500	5	250
7	11100	3	90	26300	---	---	18500	5	250
8	12700	2	69	25600	---	---	18500	4	200
9	12700	3	103	25600	---	---	18300	6	296
10	12900	2	70	25600	---	---	18400	6	298
11	12800	1	35	25500	---	---	18400	7	348
12	12600	3	102	26300	---	---	18500	5	250
13	12600	12	408	26700	---	---	18500	7	350
14	15500	9	377	26800	---	---	16400	6	266
15	15900	7	301	25200	---	---	11800	8	255
16	15900	7	301	23600	---	---	11000	10	297
17	15900	9	386	23500	---	---	11000	10	297
18	15900	6	258	23100	5	312	11300	7	214
19	16000	11	475	19100	5	258	11700	8	253
20	16000	---	---	17900	7	338	11700	11	347
21	19500	---	---	20500	6	332	11700	9	284
22	19900	---	---	20500	6	332	10100	7	191
23	19700	---	---	20600	5	278	9190	9	223
24	19700	---	---	20700	7	391	9040	9	220
25	19600	---	---	19900	6	322	8920	11	265
26	18800	---	---	19200	7	363	7720	9	188
27	19300	---	---	19400	5	262	6950	9	169
28	23600	---	---	18100	7	342	6760	5	91
29	24000	---	---	---	---	---	6700	11	199
30	23700	---	---	---	---	---	6870	26	482
31	24500	---	---	---	---	---	6860	11	204
TOTAL	497800	---	3338	665800	---	3530	412410	---	8416

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	APRIL			MAY			JUNE		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	6820	5	92	17900	20	967	31300	18	1520	
2	6610	5	89	18000	18	875	32300	21	1830	
3	6730	3	55	18200	16	786	35000	24	2270	
4	6930	3	56	20200	24	1310	33400	29	2620	
5	5760	4	62	20200	22	1200	31400	36	3050	
6	4390	6	71	20700	21	1170	32000	29	2510	
7	4300	6	70	21800	25	1470	30600	26	2150	
8	4160	6	67	23300	28	1760	26900	21	1530	
9	4140	7	78	25600	34	2350	24100	16	1040	
10	4060	8	88	28600	44	3400	22200	13	779	
11	4040	4	44	31800	70	6010	22300	11	662	
12	4210	7	80	33700	88	8010	23200	11	689	
13	4520	7	85	34200	81	7480	24300	12	787	
14	5060	7	96	30900	46	3840	22200	11	659	
15	5950	7	112	32700	53	4680	20200	12	654	
16	7150	7	135	36300	82	8040	19400	10	524	
17	8130	8	176	36000	82	7970	18000	11	535	
18	9180	10	248	34000	51	4680	16400	15	664	
19	10100	12	327	35300	40	3810	15900	10	429	
20	11500	16	497	30500	49	4040	15400	7	291	
21	12400	15	502	26100	37	2610	15700	8	339	
22	12300	11	365	24300	22	1440	14700	---	---	
23	12000	12	389	24200	16	1050	13900	---	---	
24	12300	12	399	24800	15	1000	14400	---	---	
25	12800	20	691	22500	13	790	14100	---	---	
26	14300	27	1040	20000	10	540	12500	---	---	
27	15900	32	1370	18900	9	459	11600	6	188	
28	17100	33	1520	19400	8	419	10800	6	175	
29	17100	19	877	21600	9	525	10100	6	164	
30	17500	20	945	25400	12	823	9160	6	148	
31	---	---	---	29300	17	1340	---	---	---	
TOTAL	267440	---	10626	806400	---	84844	623460	---	26207	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	JULY			AUGUST			SEPTEMBER		
		MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	8670	7	164	3790	6	61	5870	2	32	
2	9320	6	151	3730	7	70	5670	2	31	
3	10200	8	220	3640	4	39	5590	1	15	
4	10600	9	258	3510	6	57	5420	1	15	
5	10300	6	167	3420	7	65	5060	1	14	
6	9720	7	184	3420	4	37	4970	1	13	
7	9720	7	184	3500	3	28	4970	1	13	
8	9050	6	147	3570	4	39	5100	1	14	
9	8850	5	119	3550	4	38	5120	1	14	
10	8460	4	91	3560	3	29	9730	7	184	
11	7800	5	105	3420	5	46	16100	17	739	
12	8220	5	111	3440	5	46	17100	14	646	
13	7960	4	86	3640	5	49	11600	3	94	
14	7190	4	78	3270	5	44	10400	5	140	
15	7480	5	101	3530	5	48	10400	5	140	
16	6980	4	75	3280	5	44	10300	4	111	
17	6530	4	71	3330	5	45	8420	3	68	
18	6350	5	86	3470	6	56	8230	1	22	
19	6160	4	67	4980	5	67	8290	2	45	
20	5970	3	48	4390	4	47	8180	2	44	
21	5840	5	79	4080	3	33	8040	2	43	
22	5760	1	16	3920	3	32	7890	3	64	
23	5070	2	27	4600	4	50	7820	2	42	
24	4190	2	23	4980	4	54	7760	1	21	
25	4130	3	33	5140	2	28	7850	2	42	
26	4050	4	44	5400	2	29	8060	3	65	
27	3950	3	32	5330	2	29	8100	2	44	
28	3690	4	40	4590	4	50	9850	2	53	
29	3740	9	91	4710	4	51	10100	1	27	
30	3800	4	41	5000	2	27	9980	1	27	
31	3810	9	93	5810	1	16	---	---	---	
TOTAL	213560	---	3032	126000	---	1354	251970	---	2822	

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	10400	2	56	16300	7	308	18400	54	2680
2	10800	2	58	16400	6	266	17000	398	18300
3	10200	3	83	17500	8	378	22700	441	27000
4	10400	3	84	18800	8	406	38200	556	57300
5	10700	2	58	18600	9	452	38500	583	60600
6	10700	3	87	17800	10	481	29800	292	23500
7	10900	2	59	16300	8	352	22800	101	6220
8	11200	3	91	17700	8	382	19400	38	1990
9	10700	2	58	17500	8	378	18300	29	1430
10	10600	4	114	17700	8	382	22600	24	1460
11	11300	5	153	17400	11	517	23700	30	1920
12	10800	3	87	16900	7	319	27100	42	3070
13	10600	3	86	16500	7	312	27200	28	2060
14	10700	3	87	16600	6	269	28100	22	1670
15	10200	4	110	17700	8	382	28300	27	2060
16	10700	4	116	19200	9	467	27300	21	1550
17	10600	3	86	19300	8	417	26600	17	1220
18	10500	4	113	19900	9	484	26300	16	1140
19	10500	5	142	19200	8	415	26700	20	1440
20	10700	3	87	19000	6	308	22900	21	1300
21	10900	1	29	18800	7	355	15100	11	448
22	11200	1	30	19000	7	359	14000	6	227
23	10100	2	55	19000	7	359	22700	13	797
24	14100	4	152	20800	10	562	28100	22	1670
25	15600	5	211	22200	12	719	28700	24	1860
26	16000	4	173	22500	13	790	28900	24	1870
27	15800	4	171	22200	9	539	29000	25	1960
28	15800	4	171	21900	8	473	28800	25	1940
29	15700	6	254	21400	8	462	28700	24	1860
30	16000	7	302	21300	7	403	28700	25	1940
31	16400	5	221	---	---	---	28900	26	2030
TOTAL	370800	---	3584	565400	---	12696	793500	---	234512
YEAR	5594540	---	394961						

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	28600	19	1470	26100	6	423	13500	8	292
2	28700	19	1470	25900	9	629	13200	5	178
3	28800	19	1480	25800	7	488	17000	6	275
4	28800	19	1480	25600	10	691	19600	9	476
5	28800	18	1400	25300	7	478	19800	10	535
6	28500	17	1310	25300	7	478	20000	13	702
7	28800	22	1710	25600	11	760	20200	9	491
8	28800	15	1170	23100	14	873	20300	7	384
9	29000	15	1170	22500	11	668	21800	10	589
10	29100	16	1260	22400	10	605	23600	17	1080
11	29000	20	1570	22400	10	605	24100	19	1240
12	29000	25	1960	22600	9	549	19500	12	632
13	28900	39	3000	19800	8	428	17400	7	329
14	29100	19	1490	18300	7	346	16800	9	408
15	29300	16	1270	18200	6	295	16600	7	314
16	29300	17	1340	18100	7	342	16400	7	310
17	29500	16	1270	18100	10	489	15900	7	301
18	29500	15	1190	18000	12	583	15800	10	427
19	29900	14	1130	17700	10	478	15200	11	451
20	21200	13	744	15500	5	209	13700	11	407
21	26400	16	1140	14600	7	276	12200	8	264
22	29500	20	1590	14500	5	196	12100	9	294
23	29500	19	1510	14400	6	233	11700	8	253
24	29400	15	1190	14600	8	315	11000	12	356
25	29400	11	873	15100	7	285	10300	18	501
26	29300	12	949	15000	8	324	9660	14	365
27	29200	14	1100	14700	6	238	9330	8	202
28	29400	17	1350	14300	6	232	8350	6	135
29	29600	18	1440	13800	5	186	8130	7	154
30	29500	16	1270	---	---	---	8040	8	174
31	27600	9	671	---	---	---	11100	6	180
TOTAL	891400	---	42007	567300	---	12702	472310	---	12699



TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	APRIL			MAY			JUNE		
		MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	16100	9	391	11900	7	225	12200	8	264	
2	16900	14	639	14600	9	355	11500	7	217	
3	16600	14	627	17800	13	625	13900	8	300	
4	16600	11	493	20700	15	838	12700	10	343	
5	17300	11	514	21600	16	933	12200	9	296	
6	15600	11	463	21600	17	991	10000	9	243	
7	15500	11	460	23100	16	998	11000	9	267	
8	16100	14	609	27000	25	1820	14600	12	473	
9	19700	22	1170	31500	51	4340	16400	12	531	
10	22000	35	2080	34000	79	7250	19900	15	806	
11	23900	43	2770	39900	111	12000	15500	11	460	
12	26600	47	3380	37500	167	16900	14400	8	311	
13	28800	57	4430	32400	123	10800	11000	8	238	
14	27400	58	4290	30900	75	6260	9690	7	183	
15	25100	48	3250	28700	50	3870	10800	7	204	
16	22600	33	2010	25500	39	2690	12000	7	227	
17	16500	19	846	24700	36	2400	15000	8	324	
18	13300	10	359	23000	26	1610	14900	6	241	
19	12200	14	461	21200	21	1200	13700	4	148	
20	11400	23	708	21100	22	1250	11900	8	257	
21	11200	13	393	20400	16	881	10900	5	147	
22	10800	9	262	18500	16	799	11300	5	153	
23	10100	9	245	17800	19	913	11100	5	150	
24	9690	7	183	19700	14	745	10400	4	112	
25	9970	7	188	20100	13	706	10200	5	138	
26	10400	9	253	18200	14	688	9660	5	130	
27	10100	10	273	16300	14	616	7780	3	63	
28	9940	14	376	17500	17	803	7650	3	62	
29	10000	7	189	16300	12	528	9140	8	197	
30	10500	7	198	14100	7	266	9420	10	254	
31	---	---	---	13100	7	248	---	---	---	
TOTAL	462900	---	32510	700700	---	84548	360840	---	7739	

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	JULY			AUGUST			SEPTEMBER		
		MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	9500	7	180	14000	6	227	16200	3	131	
2	9070	18	441	18200	7	344	14400	2	78	
3	8750	17	402	20100	6	326	14400	2	78	
4	8630	9	210	19700	5	266	14700	4	159	
5	8740	9	212	19500	7	369	11400	5	154	
6	8620	11	256	19900	8	430	11300	4	122	
7	12800	11	380	27400	13	962	11600	3	94	
8	21500	16	929	29200	15	1180	13200	3	107	
9	21400	14	809	23500	10	634	11500	3	93	
10	21600	9	525	22800	7	431	11200	3	91	
11	22100	8	477	23900	7	452	11400	4	123	
12	21400	10	578	22600	6	366	8060	3	65	
13	16900	6	274	19800	5	267	8000	2	43	
14	16300	2	88	19600	5	265	10900	3	88	
15	15900	3	129	19700	6	319	9590	4	104	
16	19300	8	417	19900	6	322	10900	6	177	
17	25300	11	751	19000	6	308	9570	4	103	
18	27600	15	1120	18000	5	243	11500	4	124	
19	27000	16	1170	17900	4	193	11100	5	150	
20	21000	9	510	19000	5	256	11000	6	178	
21	19800	8	428	19100	7	361	14300	8	309	
22	17800	9	433	18600	5	251	13900	7	263	
23	11200	7	212	18800	5	254	14200	6	230	
24	9320	5	126	16400	5	221	14200	7	268	
25	17900	7	338	16900	5	228	14200	6	230	
26	16600	6	269	16300	6	264	11900	6	193	
27	18400	7	348	16000	5	216	9360	3	76	
28	15000	5	202	19200	2	104	9480	2	51	
29	17100	7	323	20000	4	216	9410	3	76	
30	18400	7	348	17000	3	138	9110	4	98	
31	18200	7	344	17400	2	94	---	---	---	
TOTAL	523130	---	13229	609400	---	10507	351980	---	4056	

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	10500	2	57	21300	10	575	16100	15	652
2	11800	5	159	16600	7	314	11800	7	223
3	14300	7	270	15900	5	215	11300	6	183
4	14200	6	230	15800	4	171	11100	5	150
5	14200	6	230	15800	4	171	11000	5	148
6	12600	5	170	18600	6	301	11700	5	158
7	11600	4	125	21500	11	639	13300	8	287
8	17000	6	275	21400	11	636	13500	7	255
9	16900	10	456	21600	10	583	13300	6	215
10	12500	6	202	21600	9	525	13800	6	224
11	11700	5	158	21600	11	642	13500	---	---
12	12000	5	162	21600	11	642	11000	---	---
13	14900	7	282	16200	8	350	10800	---	---
14	16200	8	350	5740	5	77	13100	4	141
15	16100	9	391	6230	13	219	13700	5	185
16	16000	7	302	17500	7	331	14700	5	198
17	15800	8	341	9360	4	101	14300	5	193
18	16000	7	302	15300	8	330	15200	6	246
19	16100	7	304	15700	9	382	20000	12	648
20	18800	8	406	15200	8	328	18100	12	586
21	20100	10	543	9180	4	99	16900	9	411
22	18100	10	489	9630	4	104	16500	8	356
23	17600	9	428	17500	9	425	16100	11	478
24	19600	8	423	15500	6	251	19000	10	513
25	20500	10	553	13400	6	217	19200	10	518
26	20500	9	498	10200	7	193	19500	12	632
27	18500	8	400	9780	6	158	19500	11	579
28	17900	7	338	9880	6	160	19600	10	529
29	20200	8	436	21500	14	813	18900	6	306
30	20900	9	508	31700	44	3770	18900	6	306
31	21200	10	572	---	---	---	18900	6	306
TOTAL	504300	---	10360	482800	---	13722	474300	---	9626
YEAR	6421360		253705						

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
8	18900	5	255	15900	5	215	7900	10	213
9	21200	8	458	20000	3	162	9030	8	195
10	21300	6	345	21600	5	292	15200	11	451
11	20800	9	505	22000	5	297	20700	16	894
12	18300	5	247	16400	7	310	17700	8	382
13	12600	3	102	4390	2	24	5080	2	27
14	15500	5	209	5450	2	29	4880	3	40
15	15400	5	208	20300	4	219	12000	8	259
16	5910	2	32	22500	6	364	12100	3	98
17	6840	2	37	17900	7	338	7710	2	42
18	16200	7	306	4850	6	79	8000	1	22
19	10900	9	265	4670	4	50	7460	3	60
20	6080	5	82	4650	2	25	4320	5	58
21	4880	5	66	4640	2	25	4580	3	37
22	4100	4	44	4270	4	46	14100	13	495
23	4070	4	44	6290	9	153	14300	12	463
24	4950	4	53	16200	15	656	14200	12	460
25	9800	7	185	16600	12	538	14300	10	386
26	12000	7	227	4990	4	54	9810	5	132
27	14500	9	352	4620	1	12	7180	3	58
28	14700	10	397	4470	1	12	4740	6	77
29	14500	8	313	---	---	---	17500	21	992
30	3750	7	71	---	---	---	13600	14	514
31	3820	4	41	---	---	---	13600	11	404
TOTAL	420200	---	7698	327950	---	5336	342480	---	8174

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	14000	11	416	12000	7	227	6230	4	67
2	13800	9	335	12100	8	261	6430	5	87
3	14000	8	302	20800	18	1010	6480	5	87
4	6830	5	92	23200	27	1690	6400	5	86
5	12900	7	244	22800	21	1290	6900	3	56
6	13900	8	300	20500	16	886	6870	3	56
7	14500	9	352	17500	11	520	8910	5	120
8	15000	10	405	9560	4	103	7580	8	164
9	15500	11	460	9100	4	98	7820	7	148
10	6910	4	75	9870	4	107	6840	4	74
11	6290	5	85	10600	5	143	6400	5	86
12	14600	12	473	10300	6	167	6160	5	83
13	15400	12	499	9240	5	125	6060	4	65
14	15600	9	379	8790	3	71	6010	3	49
15	9920	4	107	8520	3	69	5900	4	64
16	8250	3	67	8190	3	66	7470	9	182
17	5780	3	47	8110	4	88	5580	10	151
18	5670	2	31	11900	8	257	5410	2	29
19	5570	2	30	7760	4	84	5210	4	56
20	5450	3	44	7310	4	79	5090	5	69
21	5260	2	28	7260	6	118	5130	4	55
22	8780	3	71	7490	5	101	4710	6	76
23	9420	4	102	7460	5	101	4690	5	63
24	6550	3	53	7490	3	61	4570	4	49
25	8470	---	---	7310	3	59	4480	4	48
26	19000	22	1130	6940	3	56	5000	4	54
27	20000	19	1030	6810	3	55	4660	4	50
28	19800	21	1120	6510	3	53	4340	3	35
29	20000	16	864	6330	4	68	8020	5	108
30	19900	13	698	6180	4	67	10700	11	318
31	---	---	---	6130	4	66	---	---	---
TOTAL	357050	---	9839	324060	---	8146	186050	---	2635

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11000	13	386	4630	4	50	4620	6	75
2	10600	9	258	9320	5	126	4550	12	147
3	5560	6	90	9710	8	210	4550	6	74
4	4060	6	66	9110	23	566	4820	6	78
5	4080	4	44	15300	15	620	5120	5	69
6	3970	5	54	14900	11	443	4910	7	93
7	8320	9	202	10500	6	170	5800	4	63
8	11400	14	431	4500	5	61	8060	4	87
9	10500	10	283	9490	6	154	4450	3	36
10	11700	12	379	6840	4	74	5920	3	48
11	11100	9	270	7120	4	77	4640	4	50
12	12000	12	389	4350	3	35	4560	3	37
13	11700	10	316	4370	4	47	4560	3	37
14	12100	10	327	4550	5	61	4310	3	35
15	11800	10	319	4480	5	60	4830	4	52
16	11400	8	246	7700	9	187	4910	3	40
17	9850	4	106	14200	12	460	5350	3	43
18	5650	6	92	14100	11	419	4880	3	40
19	9300	9	226	13200	10	356	4900	2	26
20	13200	15	535	10700	6	173	8870	4	96
21	14300	14	541	3890	5	53	9290	5	125
22	14400	14	544	4440	6	72	9220	5	124
23	14400	13	505	7360	5	99	9160	4	99
24	14300	9	347	8470	8	183	5680	2	31
25	13300	11	395	7430	6	120	4860	2	26
26	12800	10	346	7340	5	99	4860	3	39
27	15600	11	463	6560	6	106	8650	3	70
28	15500	11	460	4230	5	57	11900	5	161
29	15200	17	698	5030	6	81	19900	13	698
30	15100	13	530	5950	9	145	20900	10	564
31	7610	4	82	4580	5	62	---	---	---
TOTAL	341800	---	9930	244350	---	5426	209030	---	3163

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	18600	31	1560	16900	14	639	15700	11	466
2	15600	33	1390	18100	15	733	15000	9	364
3	13500	31	1130	19400	21	1100	17300	10	467
4	12100	33	1080	18900	20	1020	19500	11	579
5	11000	18	535	17100	14	646	21100	12	684
6	10400	12	337	15200	10	410	22100	13	776
7	9700	11	288	13900	7	263	24000	13	842
8	9020	9	219	13400	7	253	22500	16	972
9	8660	9	210	13700	7	259	24300	23	1510
10	8350	9	203	18000	13	632	23600	18	1150
11	8670	12	281	20600	20	1110	17100	9	416
12	9110	9	221	19400	17	890	13600	5	184
13	8920	7	169	17200	13	604	16800	9	408
14	8710	6	141	17400	11	517	19300	11	573
15	8420	6	136	23300	14	881	18800	10	508
16	8350	8	180	26900	37	2690	18100	11	538
17	8310	8	179	24600	40	2640	15000	4	162
18	8270	6	134	23000	25	1550	11300	6	183
19	8080	9	196	22100	21	1250	11600	12	376
20	8360	11	248	22300	18	1080	16300	14	616
21	8990	10	243	23300	23	1450	14300	9	347
22	9180	11	273	25000	30	2030	10800	4	117
23	8860	10	239	23400	22	1390	10400	5	140
24	8500	7	161	20400	16	881	9790	2	53
25	8380	6	136	19200	14	726	9220	5	124
26	8770	5	118	17500	10	472	9320	5	126
27	10700	9	260	16000	11	475	15200	7	287
28	14200	19	728	15600	11	463	14900	6	241
29	16500	32	1430	16200	9	394	14400	6	233
30	16900	16	730	15900	7	301	17300	8	374
31	---	---	---	15300	8	330	---	---	---
TOTAL	313110	---	13155	589200	---	28099	488630	---	13816

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	18800	11	558	12700	7	240	11600	6	188
2	19000	12	616	12600	7	238	10800	5	146
3	20600	9	501	12400	5	167	5500	3	45
4	21400	9	520	12300	6	199	5220	3	42
5	21500	12	697	12300	6	199	5430	2	29
6	21400	12	693	12300	5	166	12800	4	138
7	22600	11	671	12300	6	199	14800	6	240
8	19500	12	632	12000	4	130	14700	8	318
9	18000	7	340	11400	6	185	15000	7	283
10	12900	6	209	15500	11	460	14900	6	241
11	16500	12	535	15800	13	555	13000	5	175
12	17600	9	428	15800	10	427	9480	4	102
13	17400	7	329	10800	6	175	10300	4	111
14	17100	9	416	5730	4	62	10300	4	111
15	16700	8	363	7480	4	81	10500	5	142
16	13900	6	225	9820	6	159	9830	3	80
17	10600	6	172	5730	5	77	5460	4	59
18	17100	9	416	10200	6	165	5350	4	58
19	17300	11	514	10400	5	140	8890	4	96
20	16800	10	454	5400	4	58	10100	4	109
21	9720	4	105	5380	3	44	10300	3	83
22	6200	5	84	10300	5	139	13700	6	222
23	5770	9	140	11000	5	148	14900	7	282
24	5610	4	61	11000	7	208	14900	8	322
25	7280	3	59	11800	6	191	14900	6	241
26	8960	5	121	9190	4	99	14900	5	201
27	11300	6	183	8260	3	67	14800	6	240
28	14100	7	266	6070	4	66	14800	8	320
29	13900	8	300	9320	6	151	14700	7	278
30	13300	5	180	11900	6	193	14700	5	198
31	10600	5	143	11900	6	193	---	---	---
TOTAL	463440	---	10929	329080	---	5581	346560	---	5100

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1977 TO DECEMBER 1977

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	16400	8	354	19100	14	722	16900	6	274
2	7640	5	103	20700	9	503	17200	11	511
3	8600	5	116	21800	19	1120	12100	6	196
4	19100	9	464	21900	12	710	6450	4	70
5	10500	3	85	20400	12	661	6990	5	94
6	12700	4	137	14600	7	276	10800	7	204
7	15500	5	209	21400	8	462	7870	5	106
8	15000	6	243	19700	5	266	5380	4	58
9	7920	3	64	15100	13	530	16500	6	267
10	4880	4	53	20800	8	449	15400	6	249
11	8630	2	47	20800	10	562	5190	4	56
12	11100	3	90	16100	13	565	7200	7	136
13	15100	7	285	4080	7	77	9730	7	184
14	15000	6	243	6700	10	181	10700	19	549
15	13300	4	144	12700	10	343	7280	17	334
16	4480	2	24	12700	5	171	7710	16	333
17	5940	2	32	12700	8	274	11300	17	519
18	10100	3	82	19700	8	426	6390	12	207
19	5860	2	32	20200	8	436	5920	13	208
20	19200	6	311	19500	7	369	5660	5	76
21	18600	8	402	19900	6	322	7470	5	101
22	6070	5	82	19800	6	321	5270	7	100
23	15100	6	245	20000	8	432	5760	8	124
24	5790	5	78	20100	4	217	4930	8	106
25	16100	11	478	20100	4	217	4770	4	52
26	10500	6	170	20800	6	337	4720	3	38
27	7630	3	62	13200	7	249	5350	4	58
28	9230	4	100	4650	7	88	14200	9	345
29	8970	4	97	18900	10	510	14400	8	311
30	4570	5	62	16200	5	219	14700	6	238
31	5510	10	149	---	---	---	13600	5	184
TOTAL	335020	---	5043	514330	---	12015	287840	---	6288
YFAR	3889260		83693						

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2580	4	28	13400	5	181	13400	8	289
2	4060	3	33	13600	7	257	13500	11	401
3	16800	6	272	13700	6	222	7170	6	116
4	17000	7	321	13300	5	180	6050	4	65
5	14300	8	309	4400	5	59	4920	3	40
6	14300	12	463	4070	5	67	4770	2	26
7	10300	7	195	12200	5	165	4710	3	38
8	3820	5	52	11500	8	248	4720	3	38
9	5500	4	59	11500	9	279	4950	3	40
10	14300	2	77	11700	3	95	4860	4	52
11	14200	4	153	11100	1	30	4510	4	49
12	14300	5	193	4580	4	49	4460	5	60
13	14100	6	228	5070	4	55	4480	3	36
14	12900	7	244	11600	6	188	4260	4	46
15	3810	3	31	9870	4	107	4170	4	45
16	5160	2	28	11800	5	159	4210	5	57
17	13700	6	222	11500	6	166	4090	5	55
18	13700	7	259	9680	4	105	4110	3	33
19	13600	6	220	4670	5	63	3350	4	36
20	13800	4	149	5040	6	82	3790	3	31
21	13200	6	214	11800	7	223	4250	4	46
22	3940	8	85	12000	8	259	4770	6	77
23	5150	13	181	12100	8	261	5270	7	100
24	13400	6	217	12400	9	301	6870	9	167
25	12800	5	173	12700	8	274	8880	12	288
26	13600	5	184	4990	5	67	9190	13	323
27	13600	6	220	5350	3	43	10000	12	324
28	13200	7	249	13100	4	141	11200	14	423
29	4390	7	83	---	---	---	12800	13	449
30	5280	5	71	---	---	---	14100	14	533
31	13300	7	251	---	---	---	17800	23	1110
TOTAL	334090	---	5464	279620	---	4346	215610	---	5393

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	170	2	.92	190	3	1.5	2000	200	1130
2	160	2	.86	180	3	1.5	1680	90	396
3	140	2	.76	170	3	1.0	1210	91	297
4	150	2	.81	180	3	1.5	1030	48	133
5	160	2	.86	190	3	1.5	983	49	130
6	170	2	.92	200	3	1.6	1020	122	468
7	180	2	.97	210	5	2.0	1090	82	330
8	190	2	1.0	220	4	2.0	1390	51	141
9	190	3	1.5	210	7	4.0	1330	50	180
10	180	3	1.5	190	4	2.1	1420	98	376
11	170	2	.92	200	4	2.2	1900	200	1070
12	160	2	.86	200	4	2.2	2100	190	1080
13	140	2	.76	210	9	5.1	2250	218	1320
14	130	1	.35	220	8	4.8	2620	302	2140
15	150	1	.41	240	10	6.5	2720	291	2140
16	170	2	.92	280	17	13	3080	415	3450
17	180	2	.97	350	23	22	4040	450	4270
18	170	2	.92	330	11	9.8	4820	938	12200
19	160	2	.86	310	42	35	4740	588	7530
20	180	4	1.9	300	44	36	4360	410	4830
21	200	16	8.6	290	34	27	3800	270	2770
22	220	22	13	300	56	45	3340	191	1720
23	210	9	5.1	320	39	34	3200	160	1380
24	190	4	2.1	350	24	23	3180	130	1190
25	170	2	.92	389	13	14	2930	120	1020
26	160	2	.86	363	9	8.8	2540	111	761
27	150	1	.41	429	96	131	2230	92	550
28	170	1	.46	1410	626	2460	1960	71	376
29	180	2	.97	2630	783	5560	1770	65	311
30	190	3	1.5	---	---	---	1600	54	233
31	200	2	1.1	---	---	---	1510	47	192
TOTAL	5340	---	53.99	11061	---	8459.7	74443	---	59168

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1500	46	186	1520	35	144	3150	211	1790
2	1640	57	252	1480	34	136	2780	127	653
3	1630	49	216	1530	37	153	2350	93	580
4	1570	36	153	1680	57	259	2060	72	400
5	1540	45	187	1970	88	468	1970	60	310
6	1880	68	345	2210	107	638	1940	59	309
7	2260	67	409	2190	94	556	1950	65	342
8	2170	64	375	2060	67	373	1930	56	292
9	1970	47	250	2070	52	291	1940	62	325
10	1770	37	177	2050	56	310	1930	63	328
11	1630	29	128	2060	53	295	1920	62	321
12	1530	27	112	2210	91	543	1780	48	231
13	1460	24	95	2760	258	1920	1550	42	176
14	1360	22	81	3420	415	3830	1340	38	137
15	1300	27	95	3960	485	5190	1250	34	115
16	1300	24	84	4060	347	3800	1290	38	132
17	1260	29	99	3910	272	2870	1270	20	90
18	1170	23	73	3620	186	1820	1170	27	85
19	1100	21	62	3110	134	1130	1090	33	47
20	1060	19	54	2920	112	883	1000	23	62
21	1050	24	68	2980	114	917	1070	26	75
22	1060	25	72	3040	112	919	1030	24	67
23	1020	13	36	2910	98	770	1030	22	61
24	1020	16	44	2590	86	601	1000	18	49
25	1950	14	40	2300	74	460	914	18	40
26	1090	18	53	2050	64	354	901	17	41
27	1140	22	68	1900	55	282	858	16	37
28	1340	37	134	2070	83	460	807	17	37
29	1580	62	264	2410	123	800	841	20	45
30	1630	49	216	2750	185	1370	813	20	44
31	---	---	---	3090	243	2030	---	---	---
TOTAL	43080	---	4428	78880	---	34576	44928	---	7403

TABLE 119. UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12318500 KOOTENAI RIVER NR COPELAND, ID STREAM SOURCE AGENCY USGS  
 LATITUDE 485443 LONGITUDE 1162459 DRAINAGE AREA 13400.00 DATUM 1700.00 STATE 16 COUNTY 021

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1978 TO DECEMBER 1978

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	14800	4	160	19400	22	1150	22500	29	1760
2	14800	4	160	19200	24	1240	22400	33	2000
3	14900	4	161	19900	18	967	22500	34	2070
4	14900	4	161	21100	37	2110	22000	33	1960
5	14700	4	159	21500	32	1860	22000	31	1840
6	13300	3	108	21000	31	1760	22100	31	1850
7	12900	4	139	20900	30	1690	22300	27	1630
8	14100	3	114	20800	26	1460	22500	28	1700
9	14800	6	240	21100	25	1420	22800	29	1790
10	14700	6	238	21100	28	1600	18900	31	1580
11	12600	3	102	20900	12	677	8740	27	637
12	11100	1	30	20900	30	1690	17000	34	1560
13	11600	2	63	21000	12	680	22500	19	1150
14	10900	4	118	21000	10	567	22600	9	549
15	11200	3	91	21000	17	964	20100	21	1140
16	11500	2	62	19500	24	1260	22200	26	1560
17	12100	4	131	16600	23	1030	22300	14	843
18	9820	3	80	16800	20	907	13800	18	671
19	8850	3	72	19000	16	821	20300	20	1100
20	9830	3	80	21200	28	1600	22100	29	1730
21	9640	2	52	21400	23	1330	22200	31	1860
22	10900	5	147	21400	25	1440	22000	7	416
23	9360	19	480	18500	36	1800	21800	9	530
24	10200	16	441	15100	27	1100	22000	6	356
25	12700	21	720	19900	29	1560	21600	6	350
26	15400	17	707	21700	24	1410	21500	6	348
27	17400	17	799	21900	26	1540	18600	10	502
28	17800	22	1060	22000	20	1190	19800	7	374
29	17800	13	625	22000	21	1250	21200	6	343
30	17700	21	1000	22100	29	1730	21200	6	343
31	17900	21	1010	---	---	---	21200	3	458
TOTAL	410200	---	9510	609900	---	39803	644740	---	35000
YEAR	5024180		176196						

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LTBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 48°12'0" LONGITUDE 115°18'50" DRAINAGE AREA R3A.00 DATUM 2134.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	762	19	39	270	3	2.2	153	10	4.1
2	687	17	32	286	11	8.5	151	3	1.2
3	637	12	21	291	5	3.9	150	4	1.6
4	606	11	18	269	5	3.6	148	3	1.2
5	589	12	19	250	3	2.0	146	3	1.2
6	579	12	19	240	4	2.6	145	4	1.6
7	601	14	23	235	12	7.6	147	3	1.2
8	582	15	24	230	10	6.2	145	4	1.6
9	554	11	16	224	10	6.0	151	4	1.6
10	524	8	11	216	7	4.1	153	3	1.2
11	483	9	12	212	8	4.6	148	3	1.2
12	467	10	13	209	4	2.3	155	4	1.7
13	489	12	16	204	3	1.7	167	10	4.5
14	523	13	18	201	2	1.1	157	10	4.2
15	468	13	16	199	3	1.6	152	4	1.6
16	432	11	13	220	4	2.4	146	4	1.6
17	416	7	7.9	227	3	1.8	143	3	1.2
18	403	6	6.5	214	9	5.2	142	3	1.2
19	462	8	10	201	6	3.3	141	9	3.4
20	408	5	5.5	194	3	1.6	146	3	1.2
21	376	5	5.1	190	7	3.6	145	2	.78
22	356	6	5.8	187	3	1.5	158	5	2.1
23	343	6	5.6	194	4	2.1	167	12	5.4
24	330	5	4.5	187	3	1.5	168	12	5.4
25	322	4	3.5	179	2	.97	168	6	2.7
26	312	4	3.4	173	10	4.7	166	6	2.7
27	301	4	3.3	170	2	.92	160	10	4.3
28	290	2	1.6	166	2	.90	156	4	1.7
29	280	3	2.3	161	4	1.7	153	8	3.3
30	273	2	1.5	156	3	1.3	150	5	2.0
31	264	4	2.9	153	5	2.1	---	---	---
TOTAL	14119	---	379.4	6508	---	93.59	4577	---	68.68

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1972 TO DECEMBER 1972

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	148	1	.40	141	6	2.3	133	19	6.8
2	146	8	3.2	143	12	4.6	143	24	9.3
3	143	2	.77	151	2	.82	124	28	9.4
4	141	3	1.1	156	2	.84	86	12	2.8
5	141	12	4.6	167	3	1.4	85	18	4.1
6	141	2	.76	172	5	2.3	80	9	1.9
7	141	6	2.3	161	8	3.5	75	10	2.0
8	141	3	1.1	156	2	.84	70	9	1.7
9	138	5	1.9	153	2	.83	65	11	1.9
10	141	6	2.3	151	5	2.0	70	12	2.3
11	158	10	4.3	148	1	.40	80	16	3.5
12	156	35	15	143	2	.77	90	13	3.2
13	151	29	12	141	2	.76	100	10	2.7
14	148	6	2.4	141	2	.76	110	10	3.0
15	148	5	2.0	138	3	1.1	120	13	4.2
16	146	4	1.6	138	10	3.7	150	11	4.5
17	143	11	4.2	138	5	1.9	200	9	4.9
18	143	3	1.2	138	2	.75	250	11	7.4
19	141	6	2.3	141	4	1.5	300	14	11
20	141	11	4.2	138	8	3.0	350	12	11
21	141	2	.76	136	11	4.0	400	18	19
22	141	3	1.1	133	3	1.1	450	67	81
23	141	3	1.1	131	5	1.8	500	41	55
24	146	1	.39	131	2	.71	450	82	100
25	143	2	.77	131	2	.71	446	80	96
26	153	6	2.5	133	10	3.6	396	56	60
27	161	1	.43	131	6	2.1	396	51	55
28	158	2	.85	115	2	.62	348	21	20
29	156	2	.84	128	1	.35	300	27	22
30	148	3	1.2	143	7	2.7	249	12	8.1
31	143	1	.39	---	---	---	249	5	3.4
TOTAL	4527	---	77.96	4267	---	51.76	6865	---	617.1
YEAR	298591	---	115577.18						



TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STRFAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA R3R.00 DATUM 2130.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	217	5	2.9	238	3	1.9	231	13	8.5
2	224	8	4.8	210	3	1.7	296	47	38
3	175	10	4.7	195	2	1.1	280	28	21
4	133	10	3.6	195	3	1.6	256	13	9.0
5	130	2	.70	189	1	.51	242	10	12
6	120	1	.32	195	2	1.1	228	9	5.5
7	110	1	.30	151	1	.41	221	12	7.2
8	100	5	1.4	138	2	.75	217	13	7.6
9	95	1	.26	175	2	.95	210	11	6.0
10	90	2	.49	252	1	.68	221	13	7.8
11	100	2	.54	324	2	1.7	238	17	11
12	120	4	1.3	288	2	1.0	228	12	7.4
13	150	9	3.6	245	4	2.6	217	14	8.2
14	250	20	14	214	1	.58	210	13	7.0
15	350	10	9.5	183	3	1.5	204	9	5.0
16	450	16	19	167	11	5.0	204	10	5.5
17	550	35	52	158	5	2.1	210	10	5.7
18	610	15	25	156	3	1.3	210	6	3.0
19	525	19	27	153	2	.83	204	4	2.2
20	428	17	20	151	3	1.2	201	4	2.2
21	369	8	8.0	148	2	.80	207	8	4.5
22	296	8	6.4	146	2	.79	217	15	8.8
23	320	13	11	151	5	2.0	228	13	8.0
24	332	8	7.2	151	3	1.2	238	9	5.8
25	300	13	11	153	11	4.5	242	9	5.0
26	249	6	4.0	180	25	12	252	8	5.0
27	224	8	4.8	195	19	10	256	10	6.0
28	224	5	3.0	198	16	8.6	252	9	6.1
29	245	6	4.0	---	---	---	249	7	4.7
30	296	6	4.8	---	---	---	245	9	6.0
31	324	8	7.0	---	---	---	242	6	3.0
TOTAL	8106	---	262.61	5299	---	69.00	7160	---	247.0

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	238	11	7.1	500	14	19	592	17	27
2	231	6	3.7	475	12	15	525	7	0.9
3	228	7	4.3	495	12	16	475	10	13
4	228	14	8.6	550	22	33	423	11	13
5	238	10	6.4	622	47	79	410	7	7.7
6	277	12	9.0	664	55	99	423	6	6.0
7	284	12	9.2	712	68	131	515	13	18
8	280	13	9.8	747	60	129	545	15	22
9	280	24	18	733	51	101	630	49	82
10	284	14	11	664	34	61	495	10	19
11	300	19	15	610	23	38	423	5	5.7
12	356	52	50	556	20	30	392	6	6.0
13	432	74	86	550	19	28	370	6	6.1
14	490	71	94	658	45	80	401	8	8.7
15	500	48	65	874	198	467	432	11	13
16	490	44	58	1170	392	1240	383	3	3.1
17	562	84	127	1300	312	1100	352	4	3.8
18	545	31	46	1320	211	752	332	5	4.5
19	495	22	29	1200	129	418	304	4	3.3
20	460	14	17	1100	79	235	288	10	7.8
21	441	9	11	866	47	110	288	4	3.1
22	437	14	17	726	28	55	296	5	4.0
23	460	36	45	677	25	46	304	3	2.5
24	475	30	38	670	26	47	300	9	7.3
25	475	19	24	733	33	65	284	4	3.1
26	485	27	35	670	26	47	332	2	1.8
27	535	26	38	592	15	20	312	5	4.2
28	592	39	62	525	17	24	280	4	3.0
29	574	28	43	495	13	17	263	4	2.8
30	535	21	30	505	18	25	238	2	1.3
31	---	---	---	562	30	59	---	---	---
TOTAL	12207	---	1017.1	22521	---	5590	11615	---	314.0

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LTBRY, MT.  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STREAM SOURCE AGENCY USGS  
 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	217	2	1.2	90	1	.24	70	1	.19
2	204	4	2.2	88	2	.48	72	2	.39
3	195	6	3.2	86	2	.46	70	2	.38
4	189	4	2.0	84	4	.91	68	1	.18
5	180	5	2.4	82	2	.48	66	2	.36
6	177	6	2.9	88	1	.28	65	2	.35
7	169	4	1.8	90	8	1.9	63	1	.17
8	164	5	2.2	86	5	1.2	63	3	.51
9	158	7	3.0	82	5	1.1	63	1	.17
10	153	13	5.4	79	1	.21	63	3	.51
11	148	9	3.6	79	1	.21	63	2	.34
12	141	7	2.7	77	1	.21	63	1	.17
13	136	6	2.2	75	4	.81	62	2	.33
14	131	9	3.2	75	2	.41	62	1	.17
15	128	9	3.1	72	2	.39	65	1	.18
16	126	11	3.7	70	3	.57	68	1	.18
17	124	18	6.0	70	8	1.5	70	1	.19
18	121	11	3.6	68	1	.18	70	6	1.1
19	119	7	2.2	70	1	.19	72	1	.19
20	115	6	1.9	70	2	.38	84	2	.45
21	115	7	2.2	68	1	.18	92	1	.25
22	113	2	.61	66	2	.36	94	2	.51
23	110	8	2.4	66	2	.36	92	2	.50
24	106	2	.57	66	1	.18	94	1	.25
25	106	4	1.1	68	1	.18	106	1	.29
26	102	6	1.7	68	2	.37	100	2	.54
27	100	8	2.2	66	1	.18	96	2	.52
28	98	11	2.9	66	3	.53	94	2	.51
29	96	10	2.6	65	6	1.1	94	2	.51
30	96	6	1.6	65	10	1.8	92	1	.25
31	94	8	2.0	66	3	.53	---	---	---
TOTAL	4231	---	78.38	2311	---	17.80	2296	---	10.64

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1973 TO DECEMBER 1973

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	90	6	1.5	121	3	.98	221	7	4.2
2	88	5	1.2	115	4	1.2	217	5	2.9
3	88	5	1.2	108	5	1.5	210	5	2.8
4	88	7	1.7	108	4	1.2	207	7	3.9
5	88	7	1.7	112	5	1.5	194	7	3.7
6	88	4	.95	112	4	1.2	187	4	2.0
7	88	4	.95	110	7	2.1	184	4	2.0
8	90	2	.49	104	4	1.1	206	3	1.7
9	88	6	1.4	113	4	1.2	194	6	3.1
10	88	9	2.1	173	21	12	190	4	2.1
11	90	5	1.2	414	73	89	202	11	6.0
12	91	5	1.2	846	192	439	202	1	.55
13	97	5	1.3	654	55	97	196	5	2.6
14	99	6	1.6	453	18	22	194	3	1.6
15	96	7	1.8	362	13	13	189	9	4.6
16	94	3	.76	367	12	12	211	10	5.7
17	94	7	1.8	396	13	14	442	46	58
18	94	7	1.8	322	7	6.1	502	34	46
19	93	6	1.5	278	5	3.8	451	18	22
20	93	12	3.0	247	7	4.7	410	10	11
21	94	13	3.3	229	5	3.1	384	9	9.3
22	94	5	1.3	212	4	2.3	365	10	9.9
23	95	6	1.5	194	3	1.6	347	8	7.5
24	98	5	1.3	186	4	2.0	327	6	5.3
25	107	6	1.7	179	2	.97	321	5	4.3
26	112	10	3.0	174	10	4.7	292	4	3.2
27	109	2	.59	165	5	2.2	285	6	4.6
28	107	8	2.3	173	7	3.3	273	4	2.9
29	123	2	.66	232	12	7.5	256	3	2.1
30	136	7	2.6	237	6	3.8	243	2	1.3
31	125	5	1.7	---	---	---	223	4	2.4
TOTAL	3025	---	49.10	7496	---	756.05	8325	---	239.25
YEAR	94502	---	8650.93	---	---	---	---	---	---

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	160	5	2.2	648	74	129	347	33	31
2	150	2	.8	614	86	143	356	36	35
3	140	3	1.1	576	68	106	347	28	26
4	130	2	.7	571	72	111	334	20	18
5	130	3	1.1	545	66	97	364	27	27
6	120	3	1.0	513	58	80	381	42	43
7	120	2	.7	478	48	62	330	33	29
8	110	2	.6	474	45	58	343	35	32
9	100	1	.3	450	41	50	314	23	19
10	110	3	.9	431	42	49	330	26	23
11	90	2	.5	417	38	41	326	24	21
12	110	1	.3	412	37	41	339	29	26
13	150	3	1.2	412	34	38	377	43	44
14	250	150	101	399	30	32	381	35	36
15	1500	1760	7130	390	26	27	385	36	37
16	7280	4640	91200	381	38	39	394	39	41
17	6550	3320	62700	377	35	36	488	128	169
18	4220	1680	19100	368	28	28	654	225	397
19	3240	985	8620	377	25	25	742	221	443
20	2590	730	5100	364	26	26	742	129	258
21	1960	490	2590	334	27	24	736	109	217
22	1580	329	1400	347	28	26	712	98	188
23	1360	267	980	326	22	19	671	75	136
24	1190	223	716	314	20	17	648	72	126
25	1130	207	632	310	19	16	625	61	103
26	1020	189	521	318	19	16	643	89	155
27	891	160	385	330	20	18	800	157	339
28	834	127	286	326	21	18	1100	347	1110
29	800	137	296	---	---	---	1600	646	2790
30	755	124	253	---	---	---	1760	393	1870
31	671	89	161	---	---	---	1800	325	1580
TOTAL	39445	---	202182.4	11802	---	1372	19364	---	10369

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1740	214	1010	2860	303	2340	1810	97	878
2	1630	167	735	2890	276	2150	1830	143	707
3	1530	191	789	2520	200	1360	2110	232	1320
4	1450	127	497	2280	192	1180	2330	262	1650
5	1380	117	436	2350	229	1450	2260	206	1260
6	1420	119	456	2780	295	2210	1980	149	797
7	1500	127	514	3190	457	3940	1870	132	666
8	1510	124	506	3400	590	5020	1830	120	593
9	1560	126	531	3330	434	3900	1790	111	536
10	1610	147	639	2880	304	2360	1820	117	575
11	1800	230	1120	2400	215	1390	1900	183	939
12	1960	256	1350	2110	184	1050	2100	291	1650
13	1830	173	855	1880	169	858	2290	376	2320
14	1740	151	709	1650	138	615	2370	378	2420
15	1770	193	922	1500	121	490	2350	321	2040
16	1930	426	2220	1350	95	346	2480	499	3340
17	2050	228	1260	1240	85	285	2390	396	2560
18	2110	219	1250	1200	85	275	2230	303	1820
19	2170	248	1450	1130	77	235	2050	243	1350
20	2310	274	1710	1050	69	196	1960	218	1150
21	2280	247	1520	1020	71	196	1740	173	813
22	2130	204	1170	1080	73	213	1530	159	657
23	2110	179	1020	1220	97	320	1440	143	556
24	2450	375	2480	1370	120	444	1420	146	560
25	3530	1050	10000	1540	191	794	1320	125	886
26	3830	817	8450	1940	315	1650	1190	118	366
27	3400	508	4660	2290	392	2420	995	92	247
28	3050	475	3910	2260	259	1580	876	81	192
29	2710	332	2430	2090	173	976	820	82	182
30	2570	264	1830	2020	141	769	787	73	155
31	---	---	---	1950	117	616	---	---	---
TOTAL	63060	---	56429	62770	---	42028	53868	---	32341

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 50 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	787	82	174	255	6	4.1	147	14	5.6
2	730	62	122	245	6	4.0	142	12	4.6
3	677	64	117	238	3	1.9	142	9	3.5
4	671	51	92	232	5	3.1	139	11	4.1
5	683	43	79	225	7	4.3	139	13	4.9
6	648	41	72	219	3	1.8	134	14	5.1
7	598	48	78	210	4	2.3	131	11	3.9
8	571	42	65	204	6	3.3	129	10	3.5
9	545	42	62	207	8	4.5	131	13	4.6
10	534	42	61	198	6	3.2	147	19	7.5
11	545	34	50	195	5	2.6	149	19	7.6
12	534	33	48	192	8	4.1	148	15	5.8
13	483	28	37	189	6	3.1	139	15	5.6
14	459	36	45	201	8	4.3	136	12	4.4
15	459	31	38	229	9	5.6	134	8	2.9
16	459	22	27	213	11	6.3	131	7	2.5
17	431	25	29	195	8	4.2	126	7	2.4
18	417	25	28	183	5	2.5	124	8	2.7
19	421	31	35	177	5	2.4	124	7	2.3
20	421	23	26	174	6	2.8	121	8	2.6
21	399	23	25	169	8	3.7	119	9	2.9
22	368	16	16	166	8	3.6	119	3	0.6
23	351	22	21	169	10	4.6	119	2	0.4
24	334	18	16	171	11	5.1	116	2	0.3
25	318	16	14	166	11	4.9	116	2	0.3
26	302	16	13	160	10	4.3	116	5	1.6
27	291	15	12	155	12	5.0	131	3	1.1
28	280	14	11	152	10	4.1	129	4	1.4
29	273	7	5.2	149	4	1.6	124	2	0.7
30	269	9	6.5	149	9	3.6	121	2	0.65
31	266	8	5.7	147	11	4.4	---	---	---
TOTAL	14524	---	1430.4	5934	---	115.3	3919	---	97.28

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1974 TO DECEMBER 1974

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	120	3	.97	109	5	1.5	133	9	3.2
2	119	4	1.3	109	27	7.9	128	6	2.1
3	120	3	.97	109	1	.20	128	5	1.7
4	118	7	2.2	109	1	.20	127	5	1.7
5	120	5	1.6	109	2	.50	126	5	1.7
6	119	6	1.9	110	2	.50	126	5	1.7
7	119	6	1.9	118	1	.32	127	2	0.69
8	119	3	.96	127	3	1.0	124	6	2.0
9	119	2	.64	128	3	1.0	122	5	1.6
10	119	4	1.3	131	2	.71	121	5	1.6
11	118	7	2.2	131	6	2.1	130	9	3.2
12	117	4	1.3	130	5	1.8	142	7	2.7
13	116	6	1.9	146	6	2.4	137	6	2.2
14	115	4	1.2	142	5	1.9	130	8	1.4
15	112	5	1.5	131	3	1.3	124	10	3.3
16	112	4	1.2	126	3	1.0	122	5	1.6
17	111	5	1.5	123	1	.33	127	5	1.7
18	111	5	1.5	126	3	1.0	133	4	1.4
19	111	6	1.8	136	4	1.5	128	5	1.7
20	112	4	1.2	151	10	4.1	129	6	2.1
21	112	5	1.5	212	36	21	120	7	2.3
22	111	2	.60	272	82	60	120	10	6.2
23	110	4	1.2	234	26	16	120	8	2.6
24	111	6	1.8	192	10	5.2	110	4	1.2
25	111	9	2.7	176	6	2.9	110	8	2.4
26	111	6	1.8	175	8	3.8	120	3	.97
27	112	5	1.5	162	8	3.5	120	2	0.65
28	112	6	1.8	152	8	3.3	110	5	1.5
29	111	9	2.7	145	6	2.3	100	4	1.1
30	109	12	3.5	139	4	1.5	95	7	1.8
31	109	5	1.5	---	---	---	90	3	.72
TOTAL	3546	---	49.64	4360	---	150.92	3779	---	60.74
YEAR	286371	---	346625.68					---	

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBBY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	95	1	.26	110	41	12	176	17	8.1
2	100	2	.54	130	35	12	209	62	35
3	110	2	.59	140	12	4.5	271	119	87
4	120	3	.97	140	49	19	319	41	35
5	120	6	1.9	130	6	2.1	313	71	60
6	120	2	.65	120	3	.97	295	45	36
7	120	2	.65	110	4	1.2	277	36	27
8	110	5	1.5	100	2	.54	279	33	25
9	100	2	.54	90	1	.24	266	26	19
10	90	9	2.2	100	3	.81	257	22	15
11	75	3	.61	120	8	2.6	250	22	15
12	60	4	.65	150	5	2.0	237	23	15
13	90	12	2.9	170	9	4.1	234	17	11
14	110	2	.59	200	12	6.5	225	12	7.3
15	120	2	.65	190	12	6.2	219	11	6.5
16	130	2	.70	180	12	5.8	218	15	8.8
17	140	2	.76	170	12	5.5	219	19	11
18	150	9	3.6	180	16	7.8	223	15	9.0
19	160	35	15	190	26	13	243	23	15
20	170	32	15	170	31	14	249	32	22
21	160	11	4.8	150	12	4.9	236	17	11
22	150	10	4.1	140	12	4.5	235	18	11
23	150	26	11	150	22	8.9	228	16	9.8
24	160	42	18	160	48	21	226	13	7.9
25	170	62	28	150	62	33	225	12	7.3
26	170	70	32	140	20	7.6	210	11	6.2
27	160	12	5.2	150	13	5.3	192	12	6.2
28	140	6	2.3	164	16	7.1	178	10	4.8
29	130	5	1.8	---	---	---	215	19	11
30	110	8	2.4	---	---	---	207	12	6.7
31	100	12	3.2	---	---	---	205	10	5.5
TOTAL	3890	---	163.06	4094	---	213.16	7336	---	555.1

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	198	5	2.7	1220	76	250	2220	209	1250
2	192	9	4.7	1240	82	275	2270	254	1560
3	199	2	1.1	1360	93	341	2370	204	1310
4	196	4	2.1	1580	123	525	2140	110	636
5	191	5	2.6	1590	132	567	2010	118	640
6	190	2	1.0	1520	120	492	2030	142	778
7	197	7	3.7	1500	85	344	1890	108	551
8	205	4	2.2	1670	140	631	1700	89	409
9	204	6	3.3	1930	259	1350	1520	74	304
10	197	6	3.2	2210	350	2090	1370	63	233
11	203	6	3.3	2570	434	3010	1320	74	264
12	227	15	9.2	2760	282	2100	1370	84	311
13	280	33	25	2710	242	1770	1440	94	365
14	358	88	85	2740	270	2000	1470	97	385
15	458	162	200	3100	510	4270	1410	73	278
16	520	161	226	3480	629	5910	1310	53	187
17	597	211	340	3200	318	2750	1180	51	162
18	649	183	321	2980	231	1860	1070	54	156
19	715	214	413	3020	231	1880	1070	53	153
20	780	232	489	2540	181	1240	1160	49	153
21	822	157	348	2090	121	683	1130	43	131
22	880	169	402	1880	96	487	1040	38	107
23	966	208	543	1750	86	406	990	38	102
24	1050	184	522	1640	82	372	942	49	125
25	1120	169	511	1550	73	306	1070	80	231
26	1230	187	621	1390	63	236	950	45	115
27	1410	239	910	1280	62	214	822	40	89
28	1470	176	699	1280	68	235	760	33	68
29	1380	103	384	1410	122	464	715	14	27
30	1290	77	268	1700	233	1070	666	26	47
31	---	---	---	2060	239	1330	---	---	---
TOTAL	18374	---	7346.1	62990	---	39458	41405	---	11127

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LITBY, MT. STREAM SOURCE AGENCY USES  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2139.10 STATE 30 COUNTY 053

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	637	20	34	212	17	0.7	161	10	4.3
2	678	33	60	203	8	4.0	156	4	1.7
3	740	51	102	198	6	3.2	151	6	2.8
4	767	46	95	190	5	2.6	144	2	.78
5	740	41	82	184	3	1.5	130	2	.75
6	696	41	77	176	4	1.0	130	3	1.1
7	690	48	89	166	3	1.3	130	2	.70
8	660	33	59	163	6	2.6	128	3	1.0
9	591	25	40	161	20	8.7	126	3	1.0
10	547	30	44	158	6	2.6	123	1	.33
11	510	29	40	156	5	2.1	121	6	2.0
12	478	19	25	151	3	1.2	117	5	1.6
13	453	15	18	151	6	2.4	117	1	.32
14	424	11	13	156	11	4.6	117	5	1.6
15	410	10	11	149	9	3.6	115	4	1.2
16	386	11	11	146	5	2.0	113	4	1.2
17	350	12	11	133	7	2.9	121	2	.65
18	324	8	7.0	158	7	3.0	146	8	3.2
19	308	8	6.7	171	8	3.7	130	0	.0
20	295	7	5.6	166	8	1.8	132	2	.71
21	284	5	3.8	156	5	2.1	128	3	1.0
22	273	8	5.9	151	8	1.6	126	3	1.0
23	262	5	3.5	151	6	2.4	121	2	.65
24	255	6	4.1	187	6	3.0	119	2	.64
25	245	2	1.3	184	10	5.0	117	2	.63
26	236	2	1.3	171	7	3.2	115	2	.62
27	230	2	1.2	158	9	3.9	115	3	.93
28	224	2	1.2	156	6	2.5	115	2	.62
29	221	3	1.8	161	10	4.3	117	4	1.3
30	233	4	2.5	161	10	4.3	117	2	.63
31	224	10	6.0	161	7	3.0	---	---	---
TOTAL	13371	---	862.9	5165	---	101.0	3816	---	37.46

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1975 TO DECEMBER 1975

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	115	1	.31	190	4	2.1	171	6	2.8
2	114	2	.62	183	3	1.5	547	193	427
3	114	3	.92	400	52	59	1590	1190	5110
4	136	3	1.1	516	9	13	2880	920	7150
5	170	9	4.1	433	26	30	2880	870	6770
6	151	6	2.4	360	18	17	1520	245	1210
7	198	10	5.3	326	11	9.7	1860	150	437
8	207	10	5.6	292	9	7.1	876	115	272
9	184	7	3.5	263	1	.71	843	48	223
10	171	4	1.8	246	1	.66	817	80	176
11	166	5	2.2	233	3	1.9	760	65	133
12	166	6	2.7	217	3	1.8	692	50	93
13	164	7	3.1	205	2	1.1	586	37	59
14	161	2	.87	200	2	1.1	506	25	30
15	159	4	1.7	218	9	5.4	521	26	37
16	166	3	1.3	333	25	22	392	22	23
17	158	3	1.3	295	10	8.0	348	29	27
18	153	4	1.7	264	4	2.4	422	27	31
19	160	9	3.9	239	4	2.6	395	25	27
20	174	4	1.9	230	2	1.2	372	42	42
21	181	10	4.9	204	2	1.1	339	32	29
22	189	6	3.1	212	2	1.1	324	19	17
23	183	8	4.0	216	3	1.7	310	17	14
24	172	5	2.3	210	2	1.1	300	16	13
25	166	4	1.8	237	4	2.6	297	15	12
26	174	8	3.8	226	3	1.8	298	16	13
27	171	6	2.8	215	2	1.2	342	20	18
28	165	7	3.1	197	1	.53	311	18	15
29	161	2	.87	186	2	1.0	294	14	11
30	159	2	.86	152	3	1.2	322	16	14
31	185	3	1.5	---	---	---	317	12	10
TOTAL	5093	---	75.35	7698	---	202.10	21652	---	22449.8
YEAR	194884	---	82591.53						

TABLE 120 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY

STATION NUMBER 12302055 FISHER RIVER NEAR LIBRY, MT. STREAM SOURCE AGENCY USGS  
 LATITUDE 482120 LONGITUDE 1151850 DRAINAGE AREA 838.00 DATUM 2134.10 STATE 30 COUNTY 053

## SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), CALENDAR YEAR JANUARY 1976 TO DECEMBER 1976

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	JANUARY		FEBRUARY		MARCH	
			SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)
1	231	8	5.0	316			240	
2	234	11	6.9	313			191	
3	301	10	8.1	305			201	
4	311	9	7.6	231			241	
5	333	26	23	202			212	
6	302	22	18	239			240	
7	284	19	15	271			248	
8	270	13	9.6	305			230	
9	271	10	7.3	314			236	
10	265	10	7.2	287			243	
11	270	14	10	274			286	
12	267	11	7.9	300			258	
13	250	10	6.8	328			272	
14	242	8	5.2	345			258	
15	289	15	12	330			253	
16	325	42	37	314			262	
17	399	67	72	310			288	
18	457	67	83	307			335	
19	473	61	78	295			376	
20	452	38	46	282			381	
21	438	23	27	266			382	
22	416	19	21	264			378	
23	429	20	23	266			389	
24	379	11	11	267			388	
25	383	10	10	284			397	
26	358	8	7.7	282			389	
27	359	21	20	273			380	
28	356	20	19	273			377	
29	341	13	12	257			372	
30	333	15	13	---			377	
31	324	17	15	---			436	
TOTAL	10350	---	644.3	8300			9521	

TABLE 121 12301933

4R 24 03.0 115 19 11.0 2  
KOOTENAI RIVER RL LIBBY DAM, NEA  
30053 MONTANA

130191

/TYPA/AMBN/STREAM

112WRD  
0000 CLASS 00

INDEX 1310000 007840  
MILES 0815.00 0221.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
00010 WATER TEMP CENT	305	7.86024	16.7577	4.09362	.520800	.234400	18.5000	.300000	72/03/20	78/12/14
00020 AIR TEMP CENT	225	9.32879	105.378	10.2654	1.10040	.684358	35.0000	-.269E+02	72/03/20	78/12/14
00028 ANALYZE AGENCY CODE	12	80020.0	.595E+04	.000000	.000000	.000000	80020.0	80020.0	78/06/30	78/12/14
00041 WEATHER WMO CODE	52	12.3460	571.642	23.9090	1.93657	3.31558	72.9999	.000000	76/10/01	78/12/14
00060 STREAM FLOW CFS	80	12345.4	.127E+09	11313.1	916383	1264.85	37399.9	1850.00	72/03/20	73/09/28
00061 STREAM FLOW, INST=CFS	145	11968.9	.452E+08	6729.85	.562280	558.884	30099.9	2110.00	73/10/04	78/12/14
00070 TURB JKSJN JTU	172	5.16838	50.1163	7.07929	1.36973	.539791	50.0000	.999999	72/03/20	76/09/16
00080 COLOR PT-CO UNITS	171	7.64327	89.0426	9.43624	1.23458	.721607	60.0000	.000000	72/03/20	76/09/02
00095 CONDUCTVY AT 25C MICROMHO	305	254.057	2672.89	51.7000	.203498	2.96034	385.000	175.000	72/03/20	78/12/14
00300 DO MG/L	225	13.2079	5.78310	2.40481	.182074	.160320	18.3000	7.70000	72/03/20	78/12/14
00301 DO SATUR PERCENT	154	114.707	399.405	19.9851	.174228	1.61045	149.000	75.0000	73/08/03	78/12/14
00310 BOD 5 DAY MG/L	57	.959641	.388167	.623031	.649233	.082522	3.69999	.200000	74/06/10	76/09/16
00400 PH SU	304	7.96437	.097063	.311550	.039118	.017869	8.50000	7.19999	72/03/20	78/12/14
00405 CO2 MG/L	175	2.78193	5.67951	2.38317	.856660	.180151	16.2000	.600000	72/03/20	78/06/30
00410 T ALK CAC03 MG/L	302	105.350	287.631	16.9597	.160984	.975920	148.000	75.0000	72/03/20	78/12/14
00435 T ACIDITY CAC03 MG/L	1	.000000	.000000	.000000	.000000	.000000	.000000	.000000	73/02/16	73/02/16
00440 HCO3 ION HCO3 MG/L	174	128.546	406.589	20.1641	.156863	1.52863	181.000	92.0000	72/03/27	78/06/30
00445 CO3 ION CO3 MG/L	91	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/10/20	78/06/30
00500 RESIDUE TOTAL MG/L	47	153.319	179.348	13.3921	.087348	1.95343	189.000	126.000	73/07/05	74/05/30
00600 TOTAL N N MG/L	165	.299874	.051871	.227753	.759497	.017731	2.30000	.010000	72/03/20	78/12/14
00605 ORG N N MG/L	222	.154681	.041679	.204155	.131984	.013702	2.20000	.000000	72/03/20	78/12/14
00607 ORG N N MG/L	1	.100000	.000000	.000000	.000000	.000000	.100000	.100000	73/02/16	73/02/16
00608 NH3+NH4- N DISS MG/L	48	.055833	.001387	.037236	.666923	.005375	.130000	.010000	72/03/20	73/02/16
00610 NH3+NH4- N TOTAL MG/L	191	.026911	.001086	.032949	1.22440	.002384	.160000	.000000	72/11/17	78/12/14
00613 NO2-N N DISS MG/L	172	.004547	.000099	.009949	2.18831	.000759	.060000	.000000	72/03/20	76/09/16
00615 NO2-N TOTAL MG/L	1	.050000	.000000	.000000	.000000	.000000	.050000	.050000	73/02/16	73/02/16
00618 NO3-N N DISS MG/L	172	.113371	.011615	.107774	.950634	.008218	.790001	.000000	72/03/20	76/09/16
00620 NO3-N TOTAL MG/L	1	.160000	.000000	.000000	.000000	.000000	.160000	.160000	73/02/16	73/02/16
00623 KJELD N DISS MG/L	1	.200000	.000000	.000000	.000000	.000000	.200000	.200000	73/02/16	73/02/16
00625 TOT KJEL N MG/L	222	.183599	.041083	.202689	1.10398	.013604	2.20000	.000000	72/03/20	78/12/14
00630 NO2&NO3 N-TOTAL MG/L	121	.096776	.003632	.060264	.622711	.005479	.380000	.000000	73/02/16	78/12/14
00631 NO2&NO3 N-DISS MG/L	179	.116087	.011097	.105342	.907437	.790001	.000000	.000000	72/03/20	78/10/03
00660 ORTHOPO4 P04 MG/L	228	.100639	.015144	.123063	1.22282	.008150	.610001	.000000	72/01/05	78/12/14
00665 PHOS-TOT MG/L P	225	.006613	.003169	.056292	.928717	.003753	.260000	.000000	72/03/20	78/12/14
00666 PHOS-DIS MG/L P	54	.011074	.000610	.024688	2.22936	.003360	.150000	.000000	73/02/16	78/12/14
00669 PHOS-TOT HYDRO MG/L P	1	.030000	.000000	.000000	.000000	.000000	.030000	.030000	73/02/16	73/02/16
00670 PHOS-TOT ORGANIC MG/L P	1	.100000	.000000	.000000	.000000	.000000	.100000	.100000	73/02/16	73/02/16
00671 PHOS-DIS ORTHO MG/L P	228	.033232	.001611	.040136	1.20774	.002658	.200000	.000000	72/01/05	78/12/14
00672 PHOS-DIS HYDRO MG/L P	1	.010000	.000000	.000000	.000000	.000000	.010000	.010000	73/02/16	73/02/16

STORET DATE 80/03/27

TABLE 121 12301933

4R 24 03.0 115 19 11.0 2  
KOOTENAI RIVER RL LIBBY DAM, NEA  
30053 MONTANA

130191

/TYPA/AMBN/STREAM

112WRD  
0000 CLASS 00

INDEX 1310000 007840  
MILES 0815.00 0221.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
00673 PHOS-DIS ORGANIC MG/L P	1	.020000	.000000	.000000	.000000	.000000	.020000	.020000	73/02/16	73/02/16
00680 T ORG C C MG/L	224	2.42809	8.23096	2.86896	1.18157	.191691	26.0000	.000000	72/03/20	78/12/14
00900 TOT HARD CAC03 MG/L	178	128.543	583.367	24.1530	.187899	1.81034	180.000	94.0000	72/03/20	78/10/03
00902 NC HARD CAC03 MG/L	175	23.9657	126.402	11.2429	.469123	.849880	98.0000	.000000	72/03/27	78/06/30
00915 CALCIUM CA,DISS MG/L	178	35.4550	35.3383	5.94460	.167666	.445567	49.0000	27.0000	72/03/20	78/10/03
00925 MGNSIUM MG,DISS MG/L	178	9.69545	5.03132	2.24306	.231352	.168124	15.0000	6.30000	72/03/20	78/10/03
00930 SODIUM NA,DISS MG/L	178	2.76343	1.38007	1.17476	.425111	.088052	7.70000	.400000	72/03/20	78/10/03
00931 SODIUM ADSBTION RATIO	178	1.10110	.001705	.041293	.375011	.003095	.300000	.000000	72/03/20	78/10/03
00932 PERCENT SODIUM %	178	4.29213	1.62042	1.27296	.296580	.095412	14.0000	1.00000	72/03/20	78/10/03
00935 PTSSIUM K,DISS MG/L	178	7.14601	.069505	.263639	.368931	.019761	3.00000	.000000	72/03/20	78/10/03
00940 CHLORIDE CL MG/L	178	2.60837	1.41595	1.18973	.456118	.089174	6.60000	.700000	72/03/20	78/10/03
00945 SULFATE SO4-TOT MG/L	178	22.2618	64.4438	8.02769	.360604	.601701	43.0000	9.60000	72/03/20	78/10/03
00950 FLUORIDE F,DISS MG/L	178	.567411	.147633	.384231	.677166	.028799	1.90000	.100000	72/03/20	78/10/03
00955 SILICA DISSOLVED MG/L	223	4.95463	1.37217	1.17140	.236424	.078442	9.09000	.500000	72/03/20	78/12/14
01000 ARSENIC AS,DISS UG/L	178	1.58980	5.87041	2.42289	1.52394	.181603	14.0000	.000000	72/03/20	78/10/03
01001 ARSENIC AS,SUSP UG/L	60	.266667	.266667	.516398	1.93649	.066667	2.00000	.000000	74/06/10	78/06/30
01002 ARSENIC AS,TOT UG/L	61	.885246	.569946	.754948	.852811	.096661	3.00000	.000000	74/06/10	78/10/03
01005 BARIUM BA,DISS UG/L	115	4.40869	419.419	20.4797	4.64530	1.90974	100.000	.000000	72/03/20	74/05/30
01010 BERYLIUM BE,DISS UG/L	115	.173913	1.72387	1.31296	7.54954	.122434	10.0000	.000000	72/03/20	74/05/30
01020 BORON B,DISS UG/L	115	12.0435	92.1122	9.59751	.796905	.894972	50.0000	.000000	72/03/20	74/05/30
01025 CADMIUM CD,DISS UG/L	115	.200000	.178947	.423022	2.11511	.039447	2.00000	.000000	72/03/20	74/05/30
01026 CADMIUM CD,SUSP UG/L	34	5.00000	3.04545	1.74512	3.49025	.299286	10.0000	.000000	73/10/12	74/05/30
01027 CADMIUM CD,TOT UG/L	115	1.02609	6.60457	2.56994	2.50460	.239648	20.0000	.000000	72/03/20	74/05/30
01030 CHROMIUM CR,DISS UG/L	115	.695652	25.8276	5.08209	7.30550	.473907	50.0000	.000000	72/03/20	74/05/30
01032 CHROMIUM HEX-VAL UG/L	115	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/03/20	74/05/30
01035 COBALT CO,DISS UG/L	115	.443478	1.19634	1.09377	2.46635	.101995	10.0000	.000000	72/03/20	74/05/30
01036 COBALT CO,SUSP UG/L	34	3.38235	142.910	11.9545	3.53437	2.05018	50.0000	.000000	73/10/12	74/05/30
01037 COBALT CO,TOTAL UG/L	115	3.33913	159.349	12.6233	3.78043	1.17713	100.000	.000000	72/03/20	74/05/30
01040 COPPER CU,DISS UG/L	115	1.88696	3.99588	1.99897	1.05936	.186405	16.0000	.000000	72/03/20	74/05/30
01041 COPPER CU,SUSP UG/L	34	5.08823	22.2041	4.71217	.926082	.808122	25.0000	.000000	73/10/12	74/05/30
01042 COPPER CU,TOT UG/L	115	12.0261	145.289	12.0536	1.00229	1.12400	90.0000	.000000	72/03/20	74/05/30
01044 IRON FE,SUSP UG/L	2	50.0000	.000000	.000000	.000000	.000000	50.0000	50.0000	78/06/30	78/10/03
01045 IRON FE,TOT UG/L	178	227.809	58835.9	242.561	1.06476	18.1807	1600.00	.000000	72/03/20	78/10/03
01046 IRON FE,DISS UG/L	178	25.6741	612.876	24.7563	.964252	1.85556	250.000	.000000	72/03/20	78/10/03
01049 LEAD PB,DISS UG/L	177	1.45198	2.15819	1.46908	1.01178	.110423	8.00000	.000000	72/03/20	78/10/03
01050 LEAD PB,SUSP UG/L	96	62.4062	2135.36	46.2100	.740471	4.71629	120.000	.000000	73/10/12	78/10/03
01051 LEAD PB,TOT UG/L	178	41.5168	275.80	47.7053						



/TYPA/AMBNT/STREAM

112WRD  
 0000 CLASS 00

INDEX	1310000	007840																		
MILES	0815.00	0221.00																		
PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE								
01060	MOLY	MO,DISS	UG/L	175	.497143	.814647	.902578	1.81553	.068228	9.00000	.000000	72/03/20	78/10/03							
01061	MOLY	MO,SUSP	UG/L	59	.677966	.842782	.918032	1.35410	.119517	4.00000	.000000	74/06/10	78/10/03							
01062	MOLY	MO,TOT	UG/L	63	.920635	1.10650	1.05190	1.14259	.132528	5.00000	.000000	74/06/10	78/10/03							
01065	NICKEL	NI,DISS	UG/L	115	1.93043	3.67932	1.91814	.993640	.178869	9.00000	.000000	72/03/20	74/05/30							
01075	SILVER	AG,DISS	UG/L	115	.243478	.396339	.629554	2.58567	.058706	4.00000	.000000	72/03/20	74/05/30							
01080	STRONTIUM	SR,DISS	UG/L	115	130.869	1090.49	33.0226	.252332	3.07937	200.000	.000000	72/03/20	74/05/30							
01085	VANADIUM	V,DISS	UG/L	115	.229563	.124556	.352926	1.53738	.032910	2.00000	.000000	72/03/20	74/05/30							
01090	ZINC	ZN,DISS	UG/L	178	11.0899	108.207	10.4022	.937994	.779681	60.0000	.000000	72/03/20	74/05/30							
01091	ZINC	ZN,SUSP	UG/L	95	21.8947	1983.60	44.5377	2.03417	4.56947	250.000	.000000	73/10/12	78/10/03							
01092	ZINC	ZN,TOT	UG/L	177	44.9886	6790.69	82.4056	1.83170	6.19399	940.000	.000000	72/03/20	78/10/03							
01105	ALUMINUM	AL,TOT	UG/L	63	165.714	19063.6	138.071	.833188	17.3953	700.000	.000000	74/06/10	78/10/03							
01106	ALUMINUM	AL,DISS	UG/L	176	14.8409	217.940	14.7628	.994737	1.11279	100.000	.000000	72/03/20	78/10/03							
01107	ALUMINUM	AL,SUSP	UG/L	61	155.082	18648.8	136.560	.880570	17.4848	700.000	10.0000	74/06/10	78/10/03							
01130	LITHIUM	LI,DISS	UG/L	115	.434783	4.19527	2.04824	4.71094	.190999	10.0000	.000000	72/03/20	74/05/30							
31501	TOT COLI	MFIMEND0	/100ML	1	110.000					110.000	110.000	73/08/10	73/08/10							
31616	FEC COLI	MFM-FCBR	/100ML	1	.000000					.000000	.000000	73/08/10	73/08/10							
32230	CHLRPHYL	A	MG/L	79	.001087	.000002	.001436	1.32061	.000162	.006700	.000000	74/06/10	78/04/27							
32231	CHLRPHYL	B	MG/L	79	.000877	.000003	.001735	1.97765	.000195	.008900	.000000	74/06/10	78/04/27							
38260	MBAS		MG/L	114	.018596	.003357	.057942	3.11578	.005427	.570000	.000000	72/03/20	74/05/30							
70300	RESIDUE	DISS-180	C MG/L	171	152.292	1123.79	33.5230	.220123	2.56357	236.000	99.0000	72/03/20	76/09/02							
70301	DISS SOL	SUM	MG/L	175	143.440	885.603	29.7591	.207467	2.24958	211.000	55.0000	72/03/27	78/06/30							
70302	DISS SOL	TONS/DAY	MG/L	177	4483.65	9690887	3113.02	.694304	233.989	13700.0	632.000	72/03/20	78/06/30							
70303	DISS SOL	TONS PER	ACRE-FT	177	.286153	.002062	.045407	.220258	.003413	.320000	.130000	72/03/20	78/06/30							
70507	PHOS-T	ORTHO	MG/L P	1	.050000					.050000	.050000	73/02/16	73/02/16							
70951	CHLRPHYL	A-CHRSPE	UG/L	4	4.95750	.023654	.153400	.310236	.076900	.717001	.375000	76/11/09	77/01/27							
70952	CHLRPHYL	B-DHYTO	CHSPUG/L	4	2.48250	.028190	.167900	.676333	.083950	.351000	.000000	76/11/09	77/01/27							
70953	CHLRPHYL	A-PHYTO	CHFLUG/L	15	1.13313	1.58539	1.25912	1.11118	.325104	4.99000	.009000	77/03/31	78/12/14							
70954	CHLRPHYL	B-PHYTO	CHFLUG/L	15	.034533	.003867	.062185	1.80072	.016056	.190000	.000000	77/03/31	78/12/14							
71825	T ACIDITY	AS H	MG/L	1	.000000					.000000	.000000	73/02/16	73/02/16							
71846	AMMONIA	DISS-NH4	MG/L	48	.072291	.002337	.048345	.668750	.006978	.170000	.010000	72/03/20	73/02/16							
71851	NITRATE	DISS-NO3	MG/L	172	.503015	.228871	.478405	.951074	.036478	3.50000	.000000	72/03/20	76/09/16							
71856	NITRITE	DISS-NO2	MG/L	172	.014535	.001085	.032933	2.26579	.002511	.200000	.000000	72/03/20	76/09/16							
71887	TOTAL N	AS NO3	MG/L	119	1.25949	1.04154	1.02056	.810296	.093554	10.0000	.040000	73/02/16	78/12/14							
71890	MERCURY	HG,DISS	UG/L	115	.050433	.004487	.092123	1.82658	.008590	.500000	.000000	72/03/20	74/05/30							
71895	MERCURY	HG,SUSP	UG/L	34	.008824	.001435	.037881	4.29313	.006496	.200000	.000000	73/10/12	74/05/30							
71900	MERCURY	HG,TOTAL	UG/L	115	.073043	.011811	.108677	1.48785	.010134	.600000	.000000	72/03/20	74/05/30							

/TYPA/AMBNT/STREAM

112WRD  
 0000 CLASS 00

INDEX	1310001	007840																		
MILES	0774.10	0204.40																		
PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE								
00010	WATER	TEMP	CENT	38	6.52631	20.4787	4.52534	.693400	.734107	12.1000	.000000	72/01/06	73/07/12							
00020	AIR	TEMP	CENT	19	8.28946	80.5086	8.97266	1.08242	2.05847	26.0000	.299E+01	72/01/06	73/07/12							
00060	STREAM	FLOW	CFS	19	10984.2	1.22E+09	11074.1	1.00819	2540.57	32600.0	2899.99	72/01/06	73/07/12							
00070	TURB	JKSN	JTU	6	12.5000	191.500	13.8384	1.10707	5.64948	30.0000	1.00000	72/01/06	72/06/08							
00080	COLOR	PT=CO	UNITS	6	10.8333	101.767	10.0880	.931195	4.11839	20.0000	.000000	72/01/06	72/06/08							
00095	CNDUCTVY	AT 25C	MICROMHO	35	269.342	3320.62	57.6248	.213947	9.74037	360.000	183.000	72/01/06	73/07/12							
00300	DO		MG/L	19	12.9684	1.20687	1.09858	.084712	.252030	15.2000	10.9000	72/01/06	73/07/12							
00310	BOD	5 DAY	MG/L	19	1.41052	.216560	.465360	.329921	.106761	2.60000	.799999	72/01/06	73/07/12							
00400	PH	SU	SU	21	7.85237	.073645	.271376	.034560	.059219	8.29999	7.19999	72/01/06	73/07/12							
00410	T ALK	CAC03	MG/L	19	107.000	407.003	20.1743	.188546	4.62831	137.000	76.0000	72/01/06	73/07/12							
00600	TOTAL N	N	MG/L	7	.338571	.066981	.258806	.764409	.097820	.879999	.120000	72/01/06	73/07/12							
00605	ORG N	N	MG/L	2	.130000	.003200	.056569	.435144	.040000	.170000	.090000	72/01/06	72/04/12							
00608	NH3+NH4-	N DISS	MG/L	2	.085000	.001250	.035355	.415947	.025000	.110000	.060000	72/01/06	72/04/12							
00613	NO2-N	DISS	MG/L	2	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/01/06	72/04/12							
00618	NO3-N	DISS	MG/L	2	.175000	.031250	.176777	1.01015	.125000	.300000	.050000	72/01/06	72/04/12							
00625	TOT KJEL	N	MG/L	7	.268571	.058848	.242585	.903243	.091688	.799999	.080000	72/01/06	73/07/12							
00630	NO2&NO3	N-TOTAL	MG/L	2	.070000	.000200	.014142	.202032	.010000	.080000	.060000	73/04/18	73/07/12							
00631	NO2&NO3	N-DISS	MG/L	7	.098571	.011114	.105424	1.06952	.039847	.300000	.020000	72/01/06	73/07/12							
00660	ORTHOPO4	PO4	MG/L	7	.180000	.024800	.157488	.874892	.059522	.430000	.030000	72/01/06	73/07/12							
00665	PHOS-TOT		MG/L P	7	.098571	.003014	.054903	.556982	.020751	.170000	.040000	72/01/06	73/07/12							
00666	PHOS-DIS		MG/L P	3	.070000	.003900	.062450	.892144	.036056	.140000	.020000	72/01/06	73/07/12							
00671	PHOS-DIS	ORTHO	MG/L P	7	.058571	.002581	.050803	.867370	.019202	.140000	.010000	72/01/06	73/07/12							
00680	T ORG C	C	MG/L	2	.500000	.500000	.707107	1.41421	.500000	1.00000	.000000	72/01/06	72/04/12							
00900	TOT HARD	CAC03	MG/L	15	133.696	754.607	27.4701	.205467	7.09275	170.000	94.0000	72/01/06	73/07/12							
00915	CALCIUM	CA,DISS	MG/L	15	36.5333	44.2687	6.65347	.182121	1.71792	46.0000	27.0000	72/01/06	73/07/12							
00925	MGNSIUM	MG,DISS	MG/L	15	10.3800	7.45033	2.72953	.262961	.704762	14.0000	6.50000	72/01/06	73/07/12							
00927	MGNSIUM	MG,TOT	MG/L	1	10.0000					10.0000	10.0000	72/04/12	72/04/12							
00930	SODIUM	NA,DISS	MG/L	13	2.97692	2.24028	1.49676	.502787	.415126	5.00000	.700000	72/07/14	73/07/12							
00931	SODIUM	ADSBTTON	RATIO	13	.115384	.003077	.055471	.480746	.015385	.200000	.000000	72/07/14	73/07/12							
00935	PTSSSIUM	K,DISS	MG/L	2	.900000	.953F-06	.000977	.001085	.000691	.900000	.900000	72/01/06	73/07/12							
00940	CHLORIDE	CL	MG																	

/TYPA/AMBNT/STREAM

112WRD  
 0000 CLASS 00

INDEX 1310001 007840  
 MILES 0774.10 0204.40

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01040 COPPER CU,DISS UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	72/01/06	72/04/12
01042 COPPER CU,TOT UG/L	2	10.50000	180.5000	13.4350	1.27953	9.50000	20.0000	.999999	72/01/06	72/04/12
01045 IRON FE,TOT UG/L	2	295.000	130050	360.625	1.22246	255.000	550.000	40.0000	72/01/06	72/04/12
01046 IRON FE,DISS UG/L	6	30.00000	320.0000	17.8885	.596285	7.30297	50.0000	10.0000	72/01/06	72/06/08
01049 LEAD PB,DISS UG/L	2	.000000	.000000	.000000		.000000	.000000	.000000	72/01/06	72/04/12
01051 LEAD PB,TOT UG/L	2	8.49999	40.5002	6.36398	.748704	4.50001	13.0000	4.00000	72/01/06	72/04/12
01090 ZINC ZN,DISS UG/L	6	16.3333	32.6669	5.71549	.349928	2.33334	20.0000	8.00000	72/01/06	72/06/08
01092 ZINC ZN,TOT UG/L	2	35.0000	450.001	21.2132	.606093	15.0000	50.0000	20.0000	72/01/06	72/04/12
01145 SELENIUM SE,DISS UG/L	2	2.00000	2.00000	1.41421	.707107	1.00000	3.00000	1.00000	72/01/06	72/04/12
31501 TOT COLI MFIMENDD /100ML	19	461.628	2239303	1496.43	3.24163	343.304	6600.00	.000000	72/02/09	73/07/12
31616 FEC COLI MFM-FCBR /100ML	20	14.4999	1322.47	36.3658	2.50800	8.13165	153.000	.000000	72/01/06	73/07/12
70300 RESIDUE C MG/L	13	163.923	1029.58	32.0870	.195744	8.89934	212.000	116.000	72/07/14	73/07/12
70302 DISS SOL TONS/DAY	13	4480.76	232E+08	4821.39	1.07602	1337.21	14500.0	1360.00	72/07/14	73/07/12
70303 DISS SOL TONS PER ACRE-FT	13	.223077	.001957	.044233	.198287	.012268	.290000	.160000	72/07/14	73/07/12
70507 PHOS-T ORTHO MG/L P	4	.055000	.002300	.047958	.871970	.023979	.100000	.000000	72/10/27	73/07/12
71846 AMMONIA DISS-NH4 MG/L	2	1.10000	.001800	.042826	.385694	.030000	.140000	.080000	72/01/06	72/04/12
71851 NITRATE DISS-NO3 MG/L	1	1.30000					1.30000	1.30000	72/04/12	72/04/12
71856 NITRITE DISS-NO2 MG/L	2	.000000	.000000	.000000		.000000	.000000	.000000	72/01/06	72/04/12
71887 TOTAL N AS NO3 MG/L	2	2.45000	4.20498	2.05060	.836982	1.45000	3.90000	1.00000	73/04/18	73/07/12
71890 MERCURY HG,DISS UG/L	6	.183333	.005667	.075278	.410606	.030732	.300000	.100000	72/01/06	72/06/08
71900 MERCURY HG,TOTAL UG/L	1	.200000					.200000	.200000	72/01/06	72/01/06

/TYPA/AMBNT/STREAM

112WRD  
 0000 CLASS 00

INDEX 1310001 007840  
 MILES 0774.10 0171.62

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	46	7.68908	20.3669	4.51297	.586933	.665402	19.0000	.000000	72/01/10	78/10/03
00020 AIR TEMP CENT	46	9.84774	65.9871	8.12325	.824885	1.19771	34.0000	-300E+01	72/01/10	78/10/03
00041 WEATHER WMO CODE	26	17.1022	752.481	27.4314	1.59557	5.37974	69.9999	.000000	75/04/10	78/10/03
00060 STREAM FLOW CFS	12	11225.0	107E+09	10344.6	.921569	2986.23	40500.0	2790.00	72/01/10	73/05/31
00061 STREAM FLOW, INST-CFS	38	12288.6	480E+08	6932.93	.564175	1124.67	27199.9	3589.99	72/11/28	78/10/03
00070 TURB JKSN JTU	11	6.27273	92.8182	9.63422	1.53589	2.90483	30.0000	1.00000	72/01/10	73/05/31
00075 TURB HLGE PPM SIO2	1	5.00000					5.00000	5.00000	72/04/11	72/04/11
00080 COLOR PT-CO UNITS	6	16.6667	176.667	13.2916	.797497	5.42628	40.0000	5.00000	72/01/10	72/06/13
00095 CONDUCTVY AT 25C MICROMHM	43	193.091	3019.98	54.9543	.284603	8.38045	314.000	85.9999	72/01/10	78/10/03
00300 DO	11	12.6391	3.03423	1.74190	.137819	.525204	14.5000	9.79999	72/01/10	73/05/31
00301 DO SATUR PERCENT	11	106.363	27.0625	5.20216	.048909	1.56851	114.000	94.9999	72/01/10	73/05/31
00310 BOD 5 DAY MG/L	7	1.77143	.275716	.525087	.296420	.198464	2.50000	.900000	72/01/10	73/01/31
00400 PH SIJ	12	7.25832	.420854	.648733	.089378	.187273	8.49999	6.40000	72/01/10	73/05/31
00405 CO2 MG/L	5	4.55999	23.7831	4.87679	1.06947	2.18097	13.0000	.400000	72/04/11	73/05/31
00410 T ALK CAC03 MG/L	12	90.1667	593.977	24.3716	.270295	7.03549	124.000	60.0000	72/01/10	73/05/31
00440 HCO3 ION HCO3 MG/L	12	109.833	877.971	29.6306	.269778	8.55361	151.000	72.9999	72/01/10	73/05/31
00445 CO3 ION CO3 MG/L	12	.000000	.000000	.000000		.000000	.000000	.000000	72/01/10	73/05/31
00600 TOTAL N N MG/L	11	.540909	.393289	.627064	1.15928	.189067	2.30000	.110000	72/01/10	73/05/31
00605 ORG N N MG/L	11	.158182	.009476	.097347	.615411	.029351	.300000	.000000	72/01/10	73/05/31
00608 NH3+NH4- N DISS MG/L	9	1.40000	.063925	.252834	1.80596	.084278	.810001	.030000	72/01/10	73/01/31
00610 NH3+NH4- N TOTAL MG/L	4	.022500	.000292	.010778	.759035	.008539	.040000	.000000	72/11/28	73/05/31
00613 NO2-N DISS MG/L	1	.000909	.000009	.003015	3.31662	.000909	.010000	.000000	72/01/10	73/05/31
00618 NO3-N DISS MG/L	11	.267273	.338462	.581775	2.17671	.175412	2.00000	.000000	72/01/10	73/05/31
00625 TOT KJEL N MG/L	11	.274545	.055687	.235982	.859536	.071151	.920001	.090000	72/01/10	73/05/31
00630 NO2&NO3 N-TOTAL MG/L	2	.035000	.002450	.049497	1.41421	.035000	.070000	.000000	73/03/29	73/05/31
00631 NO2&NO3 N-DISS MG/L	11	.268182	.337936	.581323	2.16765	.175275	2.00000	.000000	72/01/10	73/05/31
00660 ORTHOPO4 PO4 MG/L	11	.114545	.027627	.166215	1.45118	.050116	.400000	.000000	72/01/10	73/05/31
00665 PHOS-TOT MG/L P	11	.088182	.002816	.053069	.601816	.016001	.180000	.020000	72/01/10	73/05/31
00666 PHOS-DIS MG/L P	11	.073636	.002385	.048841	.663276	.014726	.160000	.020000	72/01/10	73/05/31
00671 PHOS-DIS ORTHO MG/L P	11	.037273	.002902	.053869	1.44525	.016242	.130000	.000000	72/01/10	73/05/31
00680 T ORG C C MG/L	1	1.50000					1.50000	1.50000	72/01/10	72/01/10
00900 TOT HARD CACU3 MG/L	6	110.000	1332.81	36.5077	.331888	14.9042	160.000	74.0000	72/01/10	72/06/13
00902 NC HARD CAC03 MG/L	6	16.1667	178.567	13.3629	.826571	5.45538	36.0000	4.00000	72/01/10	72/06/13
00915 CALCIUM CA,DISS MG/L	6	30.0000	94.4008	9.71601	.323867	3.96654	43.0000	20.0000	72/01/10	72/06/13
00925 MGNSIUM MG,DISS MG/L	6	8.64999	9.96304	3.15443	.364905	1.28861	13.0000	5.50000	72/01/10	72/06/13
00930 SODIUM NA,DISS MG/L	6	2.98333	2.04569	1.43027	.479422	.583907	4.80000	.800000	72/01/10	72/06/13
00931 SODIUM ADSRTION RATIO	6	1.16667	.005667	.075277	.645233	.030732	.200000	.000000	72/01/10	72/06/13
00932 PERCENT SODIUM %	6	5.33333	3.06669	1.75120	.328349	.714923	7.00000	2.00000	72/01/10	72/06/13
00935 PTSSSIUM K,DISS MG/L	6	.950000	.127000	.356371	.375128	.145888	1.60000	.600000	72/01/10	72/06/13



/TYPA/AMBNT/STREAM			112WRD 0000 CLASS 00															
INDEX	1310001	007840																
MILES	0774.10	0132.80	PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE					
00671	PHOS-DIS	ORTHO	MG/L P	6	.036833	.002572	.050717	1.37692	.020705	.130000	.000000	72/01/10	72/06/13					
00680	T ORG C	C	MG/L	28	3.26785	35.0978	5.92434	1.81291	1.11959	33.0000	.900000	72/01/10	78/11/21					
00681	D ORG C	C	MG/L	5	2.66000	.607994	.779740	.293135	.348710	4.00000	2.00000	77/12/20	78/12/19					
00687	BM ORG C	CARBON	GM/KG-C	1	.000000					.000000	.000000	73/08/23	73/08/23					
00689	S ORG C	C	MG/L	5	.320000	.022000	.148325	.463516	.066333	.500000	.100000	77/12/20	78/12/19					
00900	TOT HARD	CAC03	MG/L	74	97.5269	621.133	24.9225	.255545	2.89719	150.000	41.0000	72/01/10	78/12/19					
00902	NC HARD	CAC03	MG/L	74	15.4594	80.1701	8.95378	.579179	1.04085	43.0000	.000000	72/01/10	78/12/19					
00915	CALCIUM	CA,DISS	MG/L	74	27.1216	44.7402	6.68881	.246623	.777559	42.0000	11.0000	72/01/10	78/12/19					
00925	MGNSIUM	MG,DISS	MG/L	74	7.29454	4.43143	2.10509	.288585	.244712	12.0000	3.10000	72/01/10	78/12/19					
00930	SODIUM	NA,DISS	MG/L	74	2.31621	.506287	.711539	.307200	.082715	4.40000	.000000	72/01/10	78/12/19					
00931	SODIUM	ADSBTION	RATIO	74	.104053	.000668	.025853	.248458	.003005	.200000	.000000	72/01/10	78/12/19					
00932	PERCENT	SODIUM	%	74	4.90540	1.75808	1.32593	.270299	.154136	8.00000	2.00000	72/01/10	78/12/19					
00935	PTSIUM	K,DISS	MG/L	74	.671617	.035486	.188376	.280472	.021898	1.60000	.300000	72/01/10	78/12/19					
00940	CHLORIDE	CL	MG/L	74	2.56891	3.52382	1.87718	.730731	.218218	10.0000	.400000	72/01/10	78/12/19					
00945	SULFATE	S04-TOT	MG/L	74	15.0202	30.5731	5.52930	.368123	.642768	31.0000	5.80000	72/01/10	78/12/19					
00950	FLUORIDE	F,DISS	MG/L	74	.260807	.041869	.204620	.784563	.023787	.900000	.000000	72/01/10	78/12/19					
00955	SILICA	DISOLVED	MG/L	68	5.59996	2.59530	1.61099	.287680	.195362	9.90000	2.80000	73/01/31	78/12/19					
01000	ARSENIC	AS,DISS	UG/L	25	.999999	.833336	.912872	.912873	.182574	3.00000	.000000	72/01/10	78/12/19					
01001	ARSENIC	AS,SUSP	UG/L	16	.562500	1.46250	1.20934	2.14993	.302335	4.00000	.000000	73/09/27	78/06/27					
01002	ARSENIC	AS,TOT	UG/L	24	1.250000	1.37609	1.15156	.921249	.235061	4.00000	.000000	72/01/10	78/12/19					
01003	ARSENIC	SEDMG/KG	DRY WGT	1	3.000000					3.00000	3.00000	73/08/23	73/08/23					
01005	BARIIUM	BA,DISS	UG/L	5	70.0000	7000.00	83.6660	1.19523	37.4166	200.000	.000000	77/12/20	78/12/19					
01006	BARIIUM	BA,SUSP	UG/L	5	20.0000	2000.00	44.7214	2.23607	20.0000	100.000	.000000	77/12/20	78/12/19					
01007	BARIIUM	BA,TOT	UG/L	5	60.0000	18000.0	134.164	2.23607	60.0000	300.000	.000000	77/12/20	78/12/19					
01022	BORON	B,TOT	UG/L	1	20.0000					20.0000	20.0000	72/04/11	72/04/11					
01025	CADMIUM	CD,DISS	UG/L	24	1.66667	3.01449	1.73623	1.04174	.354406	6.00000	.000000	72/01/10	78/12/19					
01026	CADMIUM	CD,SUSP	UG/L	19	7.89474	8.98832	2.99805	.379753	.687800	11.0000	.000000	73/09/27	78/12/19					
01027	CADMIUM	CD,TOT	UG/L	25	8.92000	6.99332	2.64449	.276467	.528898	12.0000	1.00000	72/01/10	78/12/19					
01028	CD MUD	DRY WGT	MG/KG-CD	1	.000000					.000000	.000000	73/08/23	73/08/23					
01029	CHROMIUM	SEDMG/KG	DRY WGT	1	9.000000					9.00000	9.00000	73/08/23	73/08/23					
01030	CHROMIUM	CR,DISS	UG/L	25	2.00000	25.0000	5.00000	2.50000	1.00000	20.0000	.000000	72/01/10	78/12/19					
01031	CHROMIUM	CR,SUSP	UG/L	19	3.42105	83.4795	9.13671	2.67073	2.09611	35.0000	.000000	73/09/27	78/12/19					
01034	CHROMIUM	CR,TOT	UG/L	25	4.24000	69.8567	8.35803	1.97123	1.67160	35.0000	.000000	72/01/10	78/12/19					
01035	COBALT	CO,DISS	UG/L	23	.652174	.873518	.934622	1.43309	.194882	3.00000	.000000	73/03/28	78/12/19					
01036	COBALT	CO,SUSP	UG/L	20	36.0500	471.209	21.7074	.602146	4.85391	50.0000	.000000	73/09/27	78/12/19					
01037	COBALT	CO,TOTAL	UG/L	23	34.7826	430.088	20.7386	.596234	4.32429	50.0000	.000000	73/03/28	78/12/19					
01038	CO MUD	DRY WGT	MG/KG-CO	1	5.000000					5.00000	5.00000	73/08/23	73/08/23					
01040	COPPER	CU,DISS	UG/L	29	29.9310	808.85	89.7154	2.99740	16.6597	390.000	.000000	72/01/10	78/12/19					
01041	COPPER	CU,SUSP	UG/L	20	24.4000	2228.56	47.2077	1.93474	10.5560	180.000	.000000	73/09/27	78/12/19					
01042	COPPER	CU,TOT	UG/L	25	53.4000	15698.8	125.295	2.34635	25.0590	450.000	1.00000	72/01/10	78/12/19					

/TYPA/AMBNT/STREAM			112WRD 0000 CLASS 00															
INDEX	1310001	007840																
MILES	0774.10	0132.80	PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE					
01043	COPPER	SEDMG/KG	DRY WGT	1	11.0000					11.0000	11.0000	73/08/23	73/08/23					
01044	IRON	FE,SUSP	UG/L	3	286.666	76133.5	275.923	.962523	159.304	600.000	80.0000	78/06/27	78/12/19					
01045	IRON	FE,TOT	UG/L	24	310.416	53239.2	230.736	.743312	47.0988	920.000	50.0000	72/04/11	78/12/19					
01046	IRON	FE,DISS	UG/L	29	41.7241	950.489	30.8300	.738901	5.72499	160.000	9.99999	72/01/10	78/12/19					
01049	LEAD	PB,DISS	UG/L	29	18.3793	2460.67	49.6051	2.69897	9.21144	270.000	1.00000	72/01/10	78/12/19					
01050	LEAD	PB,SUSP	UG/L	20	80.0500	1910.36	43.7077	.546005	9.77334	200.000	.000000	73/09/27	78/12/19					
01051	LEAD	PB,TOT	UG/L	25	94.7200	4344.20	65.9105	.695846	13.1821	340.000	1.00000	72/01/10	78/12/19					
01052	LEAD	SEDMG/KG	DRY WGT	1	20.0000					20.0000	20.0000	73/08/23	73/08/23					
01053	MN MUD	DRY WGT	MG/KG-MN	1	290.000					290.000	290.000	73/08/23	73/08/23					
01054	MANGNESE	MN,SUSP	UG/L	19	6.84210	56.1403	7.49269	1.09508	1.71894	20.0000	.000000	73/09/27	78/12/19					
01055	MANGNESE	MN	UG/L	23	23.4782	269.171	16.4064	.698794	3.42098	60.0000	.000000	72/04/11	78/12/19					
01056	MANGNESE	MN,DISS	UG/L	23	17.9565	348.771	18.6754	1.04004	3.89409	60.0000	.000000	73/03/28	78/12/19					
01075	SILVER	AG,DISS	UG/L	5	.000000	.000000	.000000	.000000	.000000	.000000	.000000	77/12/20	78/12/19					
01076	SILVER	AG,SUSP	UG/L	5	.200000	.200000	.447214	2.23607	.200000	1.00000	.000000	77/12/20	78/12/19					
01077	SILVER	AG,TOT	UG/L	5	.200000	.200000	.447214	2.23607	.200000	1.00000	.000000	77/12/20	78/12/19					
01082	STRONTIUM	SR,TOT	UG/L	1	70.0000					70.0000	70.0000	72/04/11	72/04/11					
01085	VANADIUM	V,DISS	UG/L	1	.800000					.800000	.800000	72/01/10	72/01/10					
01090	ZINC	ZN,DISS	UG/L	28	31.5357	976.406	31.2475	.990861	5.90522	130.000	.000000	72/01/10	78/12/19					
01091	ZINC	ZN,SUSP	UG/L	20	74.0000	70467.3	265.457	3.58725	59.3579	1200.00	.000000	73/09/27	78/12/19					
01092	ZINC	ZN,TOT	UG/L	25	86.8000	54605.9	232.679	2.69215	46.7358	1200.00	10.0000	72/01/10	78/12/19					
01093	ZINC	SEDMG/KG	DRY WGT	1	66.0000					66.0000	66.0000	73/08/23	73/08/23					
01145	SELENIUM	SE,DISS	UG/L	24	.958333	4.47645	2.11576	2.20775	.431878	7.00000	.000000	72/01/10	78/12/19					
01146	SELENIUM	SE,SUSP	UG/L	20	.400000	2.46316	1.56944	3.92361	.350938	7.00000	.000000	73/09/27	78/12/19					
01147	SELENIUM	SE,TOT	UG/L	23	1.30435	7.49407	2.73753	2.09877	.570815	11.0000	.000000	73/03/28	78/12/19					
01148	SELENIUM	SEDMG/KG	DRY WGT	1	.700000					.700000	.700000	73/08/23	73/08/23					
01170	FE MUD	DRY WGT	MG/KG-FE	1	5600.00					5600.00	5600.00	73/08/23	73/08/23					
31501	TOT COLI	MFIMENDO	/100ML	22	298.407	935935	967.437	3.26388	206.258	4599.99	.000000	72/01/10	76/04/23					
31616	FEC COLI	MFM-FCBR	/100ML	49	20.2243	2543.51	50.4332	2.49369	7.20474	350.000	.000000	72/01/10	77/01/19					
31625	FEC COLI	M-FCAGAD	/100 ML	27	12.9259	143.302	11.9709	.926116	2.30380	46.0000	.999999	76/04/29	78/12/19					
31673	FECSTREP	MFKFAGAR	/100ML	63	72.1267	75588.8	274.934	3.81182	34.6385	2100.00	.							

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PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
39360 DDD WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39363 DDD MUD UG/KG	1	.000000					.000000	.000000	76/01/28	76/01/28
39365 DDE WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39368 DDE MUD UG/KG	1	.000000					.000000	.000000	76/01/28	76/01/28
39370 DDT WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39373 DDT MUD UG/KG	1	.000000					.000000	.000000	76/01/28	76/01/28
39380 DIELDRIN TOTUG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39383 DIELDRIN SEDUG/KG DRY WGT	1	.000000					.000000	.000000	76/01/28	76/01/28
39390 ENDRIN TOT UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39393 ENDRIN SEDUG/KG DRY WGT	1	.000000					.000000	.000000	76/01/28	76/01/28
39398 ETHION WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39400 TOXAPHEN TOTUG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39403 TOXAPHEN SEDUG/KG DRY WGT	1	.000000					.000000	.000000	76/01/28	76/01/28
39410 HEPTCHLR TOTUG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39413 HEPTCHLR SEDUG/KG DRY WGT	1	.000000					.000000	.000000	76/01/28	76/01/28
39420 HPCHLREP TOTUG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39423 HPCHLREP SEDUG/KG DRY WGT	1	.000000					.000000	.000000	76/01/28	76/01/28
39480 MTHXYCLR WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39481 MTHXYCLR MUD DRY UG/KG	1	.000000					.000000	.000000	76/01/28	76/01/28
39504 PCB-1254 TOTUG/L	1	.060000					.060000	.060000	78/07/22	78/02/22
39516 PCBS WHL SMPL UG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	77/11/23	78/11/21
39530 MALATHN WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39540 PARATHN WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39570 DIAZINON WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39600 MPARATHN WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39630 ATRAZINE WHL SMPL UG/L	10	.000000	.000000	.000000		.000000	.000000	.000000	75/11/21	78/08/30
39730 2,4-D WHL SMPL UG/L	9	.000000	.000000	.000000		.000000	.000000	.000000	75/11/21	78/08/30
39740 2,4,5-T WHL SMPL UG/L	9	.000000	.000000	.000000		.000000	.000000	.000000	75/11/21	78/08/30
39760 SILVEX WHL SMPL UG/L	9	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39786 TRITHION WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
39790 MTRTHION WHL SMPL UG/L	14	.000000	.000000	.000000		.000000	.000000	.000000	75/03/18	78/11/21
60050 ALGAE TOTAL /ML	48	1160.66	2051881	1432.44	1.23415	206.755	6899.99	10.0000	73/07/22	78/11/21
70299 RES-SUSP AT 180 C MG/L	1	6.00000					6.00000	6.00000	77/01/19	77/01/19
70300 RESIDUE DISS-180 C MG/L	68	112.559	667.782	25.8415	.229582	3.13374	172.000	58.0000	73/01/31	78/12/19
70301 DISS SOL SUM MG/L	68	110.676	644.697	25.3909	.229416	3.07910	168.000	50.0000	73/01/31	78/12/19
70302 DISS SOL TONS/DAY	68	4220.87	5451114	2334.76	.553146	283.131	9530.00	1120.00	73/01/31	78/12/19
70303 DISS SOL TONS PER ACRE-FT	68	152941	.001221	0.034942	.228448	.004237	.230000	.000000	73/01/31	78/12/19
70331 SUSP SED PARTSIZE %<.062MM	45	90.9331	82.5994	9.08442	.099946	1.35482	100.0000	55.9999	74/05/30	78/06/27
70332 SUSP SED PARTSIZE %<.125MM	43	95.5579	50.7351	7.12286	.074540	1.08623	100.0000	65.9999	74/05/30	78/06/27
70333 SUSP SED PARTSIZE %<.250MM	28	98.4283	15.7292	3.96600	.040293	.749504	99.9998	79.9999	74/05/30	77/11/23

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PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
70334 SUSP SED PARTSIZE %<.500MM	11	97.4543	35.8750	5.98957	.061460	1.80592	99.9998	79.9999	74/06/17	76/03/31
70335 SUSP SED PARTSIZE %<1.00MM	4	96.7498	42.2565	6.50050	.067189	3.25025	99.9998	86.9999	74/12/09	76/02/18
70336 SUSP SED PARTSIZE %<2.00MM	1	99.9998					99.9998	99.9998	74/12/09	74/12/09
70337 SUSP SED PARTSIZE %<.002MM	4	18.0000	54.6667	7.39369	.410761	3.69684	29.0000	13.0000	74/05/30	76/05/26
70338 SUSP SED PARTSIZE %<.004MM	4	26.7500	64.9171	8.05711	.301201	4.02856	35.0000	16.0000	74/05/30	76/05/26
70339 SUSP SED PARTSIZE %<.008MM	4	38.9999	108.665	10.4243	.267289	5.21213	47.9999	24.0000	74/05/30	76/05/26
70340 SUSP SED PARTSIZE %<.016MM	4	55.4999	183.000	13.5277	.243744	6.76387	65.9999	36.0000	74/05/30	76/05/26
70341 SUSP SED PARTSIZE %<.031MM	4	71.9999	266.004	16.3096	.226523	8.15482	84.9999	48.9999	74/05/30	76/05/26
70950 BIOMASS- CHLRATIO PERIUNIT	2	686.500	294145	542.351	.790023	383.500	1070.00	303.000	76/12/28	77/09/13
70955 CHLRPHYL A-PERIPH CHSPUG/L	1	2.29000					2.29000	2.29000	76/12/28	76/12/28
70956 CHLRPHYL B-PERIPH CHSPUG/L	1	.412000					.412000	.412000	76/12/28	76/12/28
70957 CHLRPHYL A-PERIPH CHFLUG/L	6	5.69417	19.9174	4.46289	.783765	1.82197	11.5000	.215000	77/09/13	78/12/19
70958 CHLRPHYL B-PERIPH CHFLUG/L	6	.276333	.211033	.459383	1.66242	1.87542	1.11000	.000000	77/09/13	78/12/19
71846 AMMONIA DISS-NH4 MG/L	6	.076667	.001907	.043666	.569550	.017826	.150000	.030000	72/01/10	72/06/13
71851 NITRATE DISS-NO3 MG/L	4	4.75000	.262500	.512347	1.07863	.256174	1.20000	.000000	72/03/02	72/06/13
71856 NITRITE DISS-NO2 MG/L	6	.000000	.000000	.000000			.000000	.000000	72/01/10	72/06/13
71887 TOTAL N AS NO3 MG/L	60	1.83649	8.12653	2.85071	1.55225	.368025	16.0000	.040000	73/02/22	78/12/19
71890 MERCURY HG, DISS UG/L	29	.231034	.345788	.588034	2.54524	1.09196	3.10000	.000000	72/01/10	78/12/19
71895 MERCURY HG, SUSP UG/L	18	.100000	.065882	.256675	2.56675	.060499	1.10000	.000000	73/09/27	78/12/19
71900 MERCURY HG, TOTAL UG/L	24	.162500	.159836	.399795	2.46028	.081608	2.00000	.050000	72/04/11	78/12/19
71921 MERCURY SEDMG/KG DRY WGT	1	.050000					.050000	.050000	73/08/23	73/08/23
80154 SUSP SED CONC MG/L	52	12.8652	347.492	18.6411	1.44886	2.58506	96.9999	2.00000	74/05/30	78/09/27
80155 SUSP SED DISCHARG TONS/DAY	52	738.385	3390109	1841.22	2.49358	255.332	12600.0	24.0000	74/05/30	78/09/27

TABLE 125 12322000  
49 00 00.0 116 30 10.0 2  
FOOTENAI RIVER AT PORTHILL IDAHO  
16621 IDAHO

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PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
00010 WATER	TEMP	CENT	14	9.34419	33.6613	5.80189	.618257	1.33103	21.0000	2.00000	75/01/21	78/06/01
00020 AIR	TEMP	CENT	14	16.4473	184.495	13.5829	1.24075	3.11613	37.0000	-149E+02	75/01/21	78/06/01
00061 WEATHER	WIND DIR	DEG	13	1.15384	1.30769	1.14354	.991071	.317161	3.00000	.000000	75/02/26	78/06/01
00061 STREAM	FLOW	INST-LEFS	14	15744.1	3767409	5684.94	359102	1298.71	28999.9	5169.99	75/01/21	78/06/01
00095 CONDUCTVY	AT 25C	MICROHMO	13	183.600	3167.00	56.4535	306301	15.6574	235.000	60.4999	75/01/21	78/06/01

STORET DATE 80/03/27

TABLE 126 12302055  
48 21 20.0 115 18 50.0 2  
FISHER RIVER NEAR LIBRY, MT.  
30053 MONTANA  
130191

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112WRD  
0000 CLASS 00

INDEX 1310000 007840 35010  
MILES 0815.00 0218.00 000.80

PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	REG DATE	END DATE
00010 WATER	TEMP	CENT	83	6.61320	32.3054	5.68378	.859459	.623876	20.0000	.000000	72/01/05	76/06/01
00020 AIR	TEMP	CENT	53	9.49994	98.0191	9.90046	1.04216	1.35993	28.0000	-129E+02	72/01/05	76/06/01
00060 STREAM	FLOW	CFS	23	854.084	1228299	1108.29	1.29763	231.094	4419.99	78.9999	72/01/05	73/09/21
00061 STREAM	FLOW,	INST-CFS	39	1275.92	2371361	1539.92	1.20691	246.585	7229.99	91.9999	73/10/19	76/06/01
00070 TURB	JKSN	JTU	53	22.4527	1813.25	42.5822	1.89653	5.84912	260.000	.999999	72/01/05	76/06/01
00080 COLOR	PT-CO	UNITS	54	12.3889	222.016	14.9002	1.20271	2.02766	60.0000	.000000	72/01/05	76/06/01
00095 CONDUCTVY	AT 25C	MICROMHMO	75	160.678	2970.38	54.5012	339195	6.29325	243.000	65.0000	72/01/05	76/06/01
00300 DO		MG/L	54	11.5332	2.39748	1.54838	1.34254	.210708	14.0000	8.69999	72/01/05	76/06/01
00301 DO	SATUR	PERCENT	35	100.314	4.92279	2.21874	.022118	.375035	106.000	93.9999	73/08/10	76/06/01
00310 ROD	5 DAY	MG/L	25	.995994	.592068	.769460	.772555	.153892	4.10000	.300000	74/06/10	76/06/01
00400 PH		SU	72	7.40827	1.36334	1.16766	.182234	.043515	8.40000	6.90000	72/01/05	76/06/01
00405 CO2		MG/L	47	2.13404	6.30312	2.51060	1.17646	.366209	12.0000	.500000	72/03/13	76/06/01
00410 T ALK	CAC03	MG/L	69	79.4491	856.552	29.2669	3.68373	3.52332	130.000	33.0000	72/01/05	76/06/01
00440 HCO3 ION	HCO3	MG/L	48	94.9166	1278.95	35.7623	3.76777	5.16185	159.000	40.0000	72/02/08	76/06/01
00445 CO3 ION	CO3	MG/L	27	.222227	.641025	.800640	3.60288	.154083	4.00000	.000000	73/10/19	76/06/01
00500 RESIDUE	TOTAL	MG/L	7	149.286	3051.92	55.2442	3.70057	20.8803	252.000	90.9999	73/08/10	74/04/22
00600 TOTAL N	N	MG/L	27	.292963	.044314	.210509	.718551	.040512	1.00000	.000000	72/01/05	74/05/09
00605 URG N	N	MG/L	53	.200377	.027315	.165273	.824810	.022702	.720001	.000000	72/01/05	76/06/01
00608 NH3+NH4-	N DISS	MG/L	13	.041538	.001314	.036251	.872699	.010054	1.40000	.010000	72/01/05	73/01/15
00610 NH3+NH4-	N TOTAL	MG/L	43	.051395	.010336	.101667	1.97814	.015504	.580000	.000000	72/12/14	76/06/01
00613 NO2-N	DISS	MG/L	54	.002426	.000027	.005182	2.13608	.000705	.021000	.000000	72/01/05	76/06/01
00618 NO3-N	DISS	MG/L	54	.027222	.001134	.033670	1.23685	.004582	.120000	.000000	72/01/05	76/06/01
00625 TOT KJEL	N	MG/L	53	.239245	.036234	.190352	.795637	.026147	.980001	.000000	72/01/05	76/06/01
00630 NO2&NO3	N-TOTAL	MG/L	15	.047333	.003978	.063072	1.33251	.016285	.230000	.000000	73/03/23	74/05/09
00631 NO2&NO3	N-DISS	MG/L	54	.029259	.001245	.035281	1.20580	.004801	.130000	.000000	72/01/05	76/06/01
00660 ORTHOP04	P04	MG/L	54	.019444	.000583	.024139	1.24145	.003285	.090000	.000000	72/01/05	76/06/01
00665 PHOS-TOT		MG/L P	54	.042407	.003309	.057526	1.35651	.007828	.320000	.000000	72/01/05	76/06/01
00671 PHOS-DIS	ORTH0	MG/L P	54	.006481	.000065	.008046	1.24145	.001095	.030000	.000000	72/01/05	76/06/01
00680 T ORG C	C	MG/L	36	4.59999	16.4120	4.05117	.880691	.675196	20.0000	.000000	72/01/05	76/06/01
00900 TOT HARD	CAC03	MG/L	54	79.5014	842.864	29.0321	3.65178	3.95077	120.000	32.0000	72/01/05	76/06/01
00902 NC HARD	CAC03	MG/L	48	1.04167	2.55142	1.59732	1.53342	.230553	7.00000	.000000	72/02/08	76/06/01
00915 CALCIUM	CA,DISS	MG/L	54	19.8833	45.6994	6.76014	3.39991	.919938	31.0000	8.40000	72/01/05	76/06/01
00925 MGNSIUM	MG,DISS	MG/L	54	7.21107	8.58869	2.93065	4.06409	.398810	12.0000	2.70000	72/01/05	76/06/01
00930 SODIUM	NA,DISS	MG/L	54	2.83333	.577715	.760076	.268263	.103433	5.20000	1.40000	72/01/05	76/06/01
00931 SODIUM	ANSRTION	RATIO	54	.131481	.003330	.057705	4.38883	.007853	.400000	.100000	72/01/05	76/06/01
00932 PERCENT	SODIUM	%	54	7.64813	6.98737	2.64336	3.45622	.359716	22.0000	5.00000	72/01/05	76/06/01
00935 PISSIUM	K,DISS	MG/L	54	.962958	.170304	.412679	4.28553	.056158	3.10000	.599999	72/01/05	76/06/01
00940 CHLORIDE	CL	MG/L	54	859253	260200	510098	593652	.069415	2.70000	1.00000	72/01/05	76/06/01
00945 SULFATE	S04-TOT	MG/L	54	5.45183	2.18089	1.47678	.270879	.200965	9.90000	2.30000	72/01/05	76/06/01

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PARAMETER

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00950 FLUORIDE F, DISS MG/L	54	.118518	.025311	.159094	1.34235	.021650	.900000	.000000	72/01/05	76/06/01
00955 SILICA DISOLVED MG/L	54	10.4999	3.22103	1.79472	1.70927	.244231	15.0000	7.20000	72/01/05	76/06/01
01000 ARSENIC AS, DISS UG/L	35	.971428	2.79328	1.67131	1.72047	.282503	7.00000	.000000	72/01/05	76/06/01
01001 ARSENIC AS, SUSP UG/L	24	.874999	2.37500	1.54110	1.76126	.314576	6.00000	.000000	74/06/10	76/06/01
01002 ARSENIC AS, TOT UG/L	24	1.41667	3.12319	1.76725	1.24747	.360739	6.00000	.000000	74/06/10	76/06/01
01005 BARIUM BA, DISS UG/L	10	60.0000	11555.6	107.497	1.79161	33.9934	300.000	.000000	72/01/05	74/05/09
01010 BERYLIUM BE, DISS UG/L	10	1.00000	10.0000	3.16228	3.16228	1.00000	10.0000	.000000	72/01/05	74/05/09
01020 BORON B, DISS UG/L	29	21.4828	776.830	27.8717	1.29740	5.17564	150.000	.000000	72/01/05	74/05/09
01025 CADMIUM CD, DISS UG/L	10	.200000	.177778	.421637	2.10818	.133333	1.00000	.000000	72/01/05	74/05/09
01030 CHROMIUM CR, DISS UG/L	10	2.20000	39.5111	6.28578	2.85717	1.98774	20.0000	.000000	72/01/05	74/05/09
01032 CHROMIUM HEX=VAL UG/L	10	1.00000	1.00000	3.16228	3.16228	1.00000	1.00000	.000000	72/01/05	74/05/09
01035 COBALT CO, DISS UG/L	10	.500000	.722222	.849837	1.69967	.268742	2.00000	.000000	72/01/05	74/05/09
01040 COPPER CU, DISS UG/L	10	1.70000	1.78889	1.33749	.786762	.422953	4.00000	.000000	72/01/05	74/05/09
01045 IRON FE, TOT UG/L	25	1454.80	4292286	2071.78	1.42410	414.356	7700.00	40.0000	74/06/10	76/06/01
01046 IRON FE, DISS UG/L	35	30.5714	558.489	23.6324	.773023	3.99460	90.0000	.000000	72/01/05	76/06/01
01049 LEAD PB, DISS UG/L	35	1.25714	1.13782	1.06669	.848501	1.80303	4.00000	.000000	72/01/05	76/06/01
01050 LEAD PR, SUSP UG/L	25	86.9199	1057.75	32.5230	.374172	6.50460	100.000	.000000	74/06/10	76/06/01
01051 LEAD PR, TOT UG/L	25	88.0799	1085.49	32.9468	.374056	6.58937	100.000	.000000	74/06/10	76/06/01
01054 MANGNESE MN, SUSP UG/L	25	32.5200	3094.59	55.6291	1.71061	11.1258	200.000	.000000	74/06/10	76/06/01
01055 MANGNESE MN UG/L	25	39.9200	3471.83	58.9222	1.47601	11.7844	220.000	.000000	74/06/10	76/06/01
01056 MANGNESE MN, DISS UG/L	34	6.64706	59.2656	7.69841	1.15817	1.32027	20.0000	.000000	72/01/05	76/06/01
01060 MOLY MO, DISS UG/L	35	.371429	1.53445	1.23873	3.33504	.209384	7.00000	.000000	72/01/05	76/06/01
01061 MOLY MO, SUSP UG/L	24	.375000	.505435	.710939	1.89584	.145120	3.00000	.000000	74/06/10	76/06/01
01062 MOLY MO, TOT UG/L	24	.458333	.693841	.832971	1.81739	.170029	3.00000	.000000	74/06/10	76/06/01
01065 NICKEL NI, DISS UG/L	10	2.00000	3.55556	1.88562	.942809	.596285	5.00000	.000000	72/01/05	74/05/09
01075 SILVER AG, DISS UG/L	10	.000000	.000000	.000000	.000000	.000000	.000000	.000000	72/01/05	74/05/09
01080 STRONTIUM SR, DISS UG/L	10	62.0000	573.333	23.9444	.386200	7.57188	110.000	40.0000	72/01/05	74/05/09
01085 VANADIUM V, DISS UG/L	10	.320000	1.68444	.410420	1.28256	.129786	1.20000	.000000	72/01/05	74/05/09
01090 ZINC ZN, DISS UG/L	35	8.85714	103.596	10.1782	1.14916	1.72043	40.0000	.000000	72/01/05	76/06/01
01091 ZINC ZN, SUSP UG/L	25	17.8800	360.694	18.9919	1.06219	3.79839	70.0000	.000000	74/06/10	76/06/01
01092 ZINC ZN, TOT UG/L	25	23.4800	402.760	20.0689	.854724	4.01378	80.0000	.000000	74/06/10	76/06/01
01105 ALUMINIUM AL, TOT UG/L	25	991.400	1505472	1226.98	1.23737	245.395	4200.00	60.0000	74/06/10	76/06/01
01106 ALUMINIUM AL, DISS UG/L	35	12.5714	396.135	19.9031	1.58320	3.36424	100.000	.000000	72/01/05	76/06/01
01107 ALUMINIUM AL, SUSP UG/L	25	988.800	1508376	1228.16	1.24207	245.632	4200.00	60.0000	74/06/10	76/06/01
01130 LITHIUM LI, DISS UG/L	10	1.00000	10.0000	3.16228	3.16228	1.00000	10.0000	.000000	72/01/05	74/05/09
32230 CHLRPHYL A MG/L	24	.000775	.641E-06	.000801	1.03384	.000164	.002800	.000000	74/06/10	76/06/01
32231 CHLRPHYL R MG/L	24	.001233	.000002	.001402	1.13656	.000286	.004200	.000000	74/06/10	76/06/01
38260 MBAS MG/L	28	.011071	.000684	.026153	2.36223	.004943	.120000	.000000	72/01/05	74/05/09
70300 RESIDUE DTSS=180 C MG/L	54	102.018	1123.92	33.5249	.328617	4.56217	182.000	45.0000	72/01/05	76/06/01
70301 DISS SOL SUM MG/L	48	94.2916	860.142	29.3282	.311037	4.23316	148.000	44.0000	72/02/08	76/06/01

/TYPA/AMBNT/STREAM

112WRD  
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INDEX 1310000 007840 35010

MILES 0815.00 0218.00 000.80

PARAMETER

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
70302 DISS SOL TONS/DAY	54	155.518	23990.7	154.889	.995958	21.0778	636.000	27.7000	72/01/05	76/06/01
70303 DISS SOL TONS PER ACRE=FT	54	.139074	.002129	.046144	.331796	.006279	.250000	.060000	72/01/05	76/06/01
70331 SUSP SED PARTSIZE <.062MM	1	75.9999					75.9999	75.9999	72/03/20	72/03/20
70332 SUSP SED PARTSIZE <.125MM	1	82.9999					82.9999	82.9999	72/03/20	72/03/20
70333 SUSP SED PARTSIZE <.250MM	1	87.9999					87.9999	87.9999	72/03/20	72/03/20
70334 SUSP SED PARTSIZE <.500MM	1	91.9999					91.9999	91.9999	72/03/20	72/03/20
70335 SUSP SED PARTSIZE <1.00MM	1	93.9999					93.9999	93.9999	72/03/20	72/03/20
70336 SUSP SED PARTSIZE <2.00MM	1	99.9999					99.9999	99.9999	72/03/20	72/03/20
70338 SUSP SED PARTSIZE <.004MM	8	21.6250	17.1254	4.13828	.191366	1.46310	29.0000	18.0000	72/02/29	75/12/05
70340 SUSP SED PARTSIZE <.016MM	8	52.2499	30.7907	5.54894	.106200	1.96185	60.9999	45.9999	72/02/29	75/12/05
70342 SUSP SED PARTSIZE <.062MM	8	87.6248	27.7171	5.26470	.060082	1.86135	95.9999	77.9999	72/02/29	75/12/05
70343 SUSP SED PARTSIZE <.125MM	8	94.9998	10.8839	3.29908	.034727	1.16640	98.9999	87.9999	72/02/29	75/12/05
70344 SUSP SED PARTSIZE <.250MM	8	99.1248	.419643	.647798	.006535	.229031	99.9998	97.9999	72/02/29	75/12/05
70345 SUSP SED PARTSIZE <.500MM	6	99.9998	.016406	.128087	.001281	.052291	99.9998	99.9998	72/02/29	75/12/05
71846 AMMONIA DTSS=NH4 MG/L	13	.053846	.002192	.046822	.869553	.012986	.180000	.010000	72/01/05	73/01/15
71851 NITRATE DTSS=NO3 MG/L	52	110577	.022307	1.49357	1.35070	.020712	.530000	.000000	72/03/13	76/06/01
71856 NITRITE DTSS=NO2 MG/L	54	.007593	.000279	.016703	2.19995	.002273	.070000	.000000	72/01/05	74/05/09
71887 TOTAL N AS NO3 MG/L	14	1.46286	1.39891	1.18275	.808524	.316104	4.60000	.000000	73/03/23	74/05/09
71890 MERCURY HG, DISS UG/L	10	.130000	.013444	.115950	.891927	.036667	3.00000	.000000	72/01/05	74/05/09
80154 SUSP SED CONC MG/L	9	1102.33	1758217	1325.98	1.20289	441.992	4329.99	274.000	72/02/29	75/12/05
80155 SUSP SED DISCHARG TONS/DAY	9	14947.7	.727E+09	26974.3	1.80458	8991.42	84499.8	1400.00	72/02/29	75/12/05

TABLE 127. KOOTENAI RIVER BELOW LIBBY DAM, MT  
 USGS STATION NO. 12301933  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF CELSIUS	00010 WATER TEMP CELSIUS	00020 AIR TEMP CENT	00061 STREAM-FLOW, INST-CFS	00070 TURB JIU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- PERCENT	00301 DO SATUR MG/L	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/03/20	1330	5.0	13.0	7250	25.0	40	265	13.8		7.90		99
72/03/27	1030	5.0	0.0	2170	15.0	40	240	13.2		7.90		106
72/04/04	1230	5.5	2.0	4270	15.0	20	280	13.4		7.90		107
72/04/10	1230	5.5	4.0	7730	8.0	10	275	14.6		8.00		105
72/04/17	1100	6.5	8.5	7330	10.0	20	305	14.8		7.80		112
72/04/24	1230	7.5	13.0	1850	6.0	5	295	15.0		8.10		113
72/05/01	1000	7.5	11.0	9550	2.0	10	295	14.6		8.10		116
72/05/08	1015	9.5	11.0	15500	3.0	6	310	13.4		8.30		116
72/05/15	1100	9.5	19.5	21000	8.0	20	260	14.2		8.10		100
72/05/22	1030	9.5	10.0	27100	35.0	40	210	13.8		7.70		88
72/05/30	1300	9.5	27.0	23600	25.0	20	200	14.0		8.00		89
72/06/05	1030	9.6	24.5	27600	25.0	20	205	14.2		8.20		90
72/06/12	0830	9.7	9.0	29900	40.0	40	195	14.0		8.00		87
72/06/19	1030	10.3	13.0	32400	50.0	60	200	13.4		8.00		88
72/06/26	0930	10.5	11.5	32100	35.0	40	195	13.4		7.50		83
72/07/03	0900	9.7	12.0	27000	25.0	40	195	13.6		7.40		90
72/07/10	1100	10.0	18.5	3140	20.0	40	200	13.4		7.70		89
72/07/17	0815	9.8	12.5	24100	20.0	40	190	13.6		7.70		85
72/07/25	0800	10.5	13.0	26600	10.0	20	190	13.0		7.40		86
72/07/31	1100	10.8	24.0	30900	10.0	20	200	13.2		7.60		83
72/08/07	0915	10.7	22.5	15600	8.0	5	195	13.6		7.50		86
72/08/14	1030	11.0	21.5	13400	6.0	5	195	13.4		7.40		82
72/08/21	0830	10.9	17.0	4230	4.0	5	195	13.4		7.70		80
72/08/28	1445	12.1	23.0	4670	4.0F	2	195	15.6		8.40		75
72/09/08	1030	10.7	16.0	7200	2.0	0	195	13.4	7.90		76	
72/09/15	1130	11.8	14.0	30900	2.0	2	190	12.8	8.00		76	
72/09/22	0830	12.3	2.5	31400	5.0	2	195	12.4	8.00		78	
72/09/29	1100	12.4	1.5	30400	1.0	0	200	12.6	7.80		80	
72/10/06	0900	13.4	1.0	35300	1.0	5	205	11.6	7.80		81	
72/10/13	0945	12.8	3.0	37400	3.0	5	220	12.4	7.50		85	
72/10/20	0930	12.0	3.5	32000	2.0	0	235	12.8	7.40		85	
72/10/27	1430	11.2	7.0	30300	2.0	2	240	13.2	7.50		92	
72/11/03	1100	10.4	12.0	25700	6.0	5	240	13.4	7.60		98	
72/11/10	1100	9.0	1.5	29400	4.0	5	240	13.8	7.50		105	
72/11/17	1130	7.5	4.5	24000	3.0	5	255	13.4	7.60		109	
72/11/24	1030	5.7	2.0	20200	4.0	5	255	14.0	7.60		110	
72/12/01	1200	3.7	5.5	4220	6.0	6	295	15.2		7.80		131
72/12/08	1030	1.0	27.0	2600	4.0	6	310	15.2		7.60		148
72/12/15	1100	0.5	15.0	2400	3.0	6	305	15.6		7.70		135
72/12/22	1200	1.5	3.5	3200	4.0	4	345	15.4		7.70		138
72/12/29	1000	0.5	3.0	6000	6.0	8	360	15.0		7.70		138
73/01/05	1000	0.8	8.0	5000	8.0	8	385	15.2		7.50		146
73/01/12	0930	0.5	4.0	2300	9.0	8	345	14.4		7.60		126
73/01/19	1000	1.0	2.5	2800	8.0	7	355	15.6		7.50		129
73/01/26	1030	0.6	5.0	3000	6.0	8	335	15.8		7.70		126
73/02/02	1000	0.5	2.0	3200	6.0	8	325	16.0		7.80		140
73/02/09	1130	0.3	11.0	2900	6.0	7	330	16.0		7.80		138
73/02/16	1000	0.8	4.0	2900	7.0	3	365	16.2		7.50		135
73/02/23	0930	0.7	0.0	2900	3.0	5	360	16.2		7.20		133
73/03/02	1030	0.5	3.5	3100	3.0	3	360	15.8		7.50		134
73/03/09	0830	0.8	1.5	3100	4.0	6	365	15.6		7.90		135
73/03/16	1230	1.8	10.0	3400	4.0	7	355	16.2		8.00		138
73/03/23	1130	2.0	8.5	3500	4.0	6	380	15.6		8.00		137
73/03/30	1300	2.7	8.0	3600	3.0	8	360	15.6		8.00		133
73/04/05	1230	3.1	10.0	3600	3.0	3	340	14.8		8.00		122
73/04/13	1230	4.5	8.0	3800	3.0	4	350	15.8		8.20		112
73/04/20	1100	4.9	11.5	2700	3.0	8	335	16.2		8.30		131
73/04/27	1030	7.7	17.5	2800	3.0	3	325	15.4		8.50		123
73/05/04	1330	8.1	10.5	2800	6.0	2	325	14.9		7.80		125
73/05/11	1500	9.3	11.5	2430	3.0	3	325	16.2		8.50		136
73/05/18	1100	9.7	26.5	3500	1.0	5	340	14.9		8.10		126
73/05/25	0900	9.5	7.0	2900	2.0	8	320	14.9		8.10		120
73/06/01	1000	9.7	16.5	2800	5.0	7	295	15.8		8.20		114
73/06/08	1100	10.0	17.0	2800	8.0	4	280	14.9		7.90		119
73/06/15	1000	9.4	14.5	2600	7.0	7	270	15.2		8.00		105
73/06/22	1130	10.0	24.0	4820	9.0	20	250	14.2		8.20		100
73/06/29	1100	10.5	31.0	4320	6.0	9	245	14.4		7.80		95
73/07/05	1100	10.7	27.0	2500	7.0	7	230	16.4		8.30		94
73/07/13	0930	10.1	26.0	5860	5.0	9	335	14.1		7.70		95
73/07/20	0830	10.0	22.0	8200	4.0	7	230	13.4		7.60		91
73/07/27	1130	10.5	30.0	4200	5.0	7	225	14.0		8.10		91
73/08/03	1000	10.3	25.5	4200	3.0	4	225	14.4	137	8.00		89
73/08/10	1230	10.9	35.0	4300	2.0	6	225	14.8	145	8.10		93



TABLE 127. KOOTENAI RIVER BELOW LIBBY DAM, MT  
 USGS STATION NO. 12301933  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF CELSIUS	00010 WATER TEMP CELSIUS	00020 AIR TEMP CENT	00061 STREAM- FLOW, INST-CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CNDUCTVY AT 25C MICROMHO	00300 DO -- PERCENT	00301 DO SATUR MG/L	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
73/08/17	1100	10.2	22.0	8100	3.0	8	205	13.9	132	8.00		93
73/08/23	1100	10.8	23.5	19300	2.0	4	220	13.2	129	7.90		93
73/08/31	0915	11.0	12.0	19200	2.0	2	210	12.8	125	8.10		90
73/09/05	1445	11.8	32.0	24700	2.0	2	225	13.1	131	7.60		86
73/09/13	0730	11.6	11.0	19500	1.0	3	215	12.8	127	7.40		90
73/09/21	1030	12.5	11.5	13500	2.0	4	215	12.4	125	7.20		86
73/09/28	1000	13.0	9.5	18900	2.0	3	205	12.8	131	7.40		93
73/10/04	1700	13.4	19.0	10700	2.0	3	227	13.1	135	7.40		95
73/10/12	1030	13.3	7.5	10600	1.0	3	244	12.9	132	7.30		94
73/10/19	1030	13.3	1.0-	10500	1.0	2	233	12.9	132	7.50		100
73/10/26	1130	12.4	1.5	7720	2.0	4	247	13.2	133	7.70		103
73/11/02	1030	11.8	3.0-	8250	2.0	6	249	13.3	133	7.90		103
73/11/05	1000	11.3	8.0-	10500	1.0	4	251	13.6	133	7.90		106
73/11/15	1100	10.0	2.0-	5730	3.0	6	252	13.0	124	7.90		105
73/11/20	1100	9.5	0.5-	5100	3.0	2	247	13.4	125	7.60		105
73/11/30	1700	8.1	3.0	2720	3.0	3	261	15.0	136	7.90		105
73/12/07	1430	7.6	3.0	2660	1.0	3	268	15.0	135	7.70		109
73/12/12	0800	7.1	1.0	2480	1.0	3	265	14.0	125	7.80		113
73/12/18	1130	6.8	3.5	2780	1.0	2	244	16.2	143	8.10		107
73/12/27	1015	6.0	6.0-	2630	1.0	2	262	14.4	125	8.00		106
74/01/03	1400	5.3	13.0-	2660	1.0	2	247	16.8	142	8.00		106
74/01/10	1430	4.7	10.5-	15000	2.0	2	253	15.7	133	8.20		105
74/01/19	1330	4.5	4.0	3090	3.0	2	255	16.0	132	8.30		104
74/01/25	1000	4.3	5.0	2820	2.0	5	261	16.0	132	8.30		106
74/01/31	1030	4.0	1.5	17800	1.0	5	259	14.4	118	8.30		106
74/02/07	1515	3.5	4.0	17600	1.0	5	250	16.6	135	8.20		102
74/02/13	1500	3.5	3.0	14900	5.0	8	252	15.3	124	8.20		105
74/02/22	1130	3.3	1.0	19000	4.0	7	253	16.7	136	8.30		105
74/02/27	0800	2.8	1.0-	17500	2.0	3	263	16.1	130	8.20		110
74/03/07	0930	2.5	7.0-	14500	2.0	3	271	16.1	128	8.00		110
74/03/15	0800	2.5	2.0-	14400	2.0	3	267	16.3	129	8.10		111
74/03/22	1500	2.8	5.0	3620	2.0	3	274	17.0	127	8.00		114
74/03/28	1500	3.4	8.0	4260	1.0	2	270	17.7	144	8.10		111
74/04/04	1130	3.4	9.0	6960	2.0	2	271	18.3	149	8.40		109
74/04/11	0800	3.2	5.5	7040	1.0	3	287	16.1	131	8.30		117
74/04/18	0800	3.7	2.0	11900	1.0	3	294	15.8	128	8.40		119
74/04/22	1500	4.3	20.0	12100	1.0	3	301	16.9	140	8.20		118
74/05/03	1430	6.3	22.0	24400	3.0	8	300	16.0	140	8.40		118
74/05/10	0745	6.2	4.5	10500	3.0	8	292	15.2	132	8.20		114
74/05/17	1310	7.9	12.0	15800	5.0	20	259	14.9	137	8.40		108
74/05/20	1430	8.3	21.0	15700	3.0	8	268	15.0	138	8.40		110
74/05/30	1400	8.2	9.0	16300	4.0	6	252	14.6	134	8.30		104
74/06/10	1300	9.5	20.5	5800	3.0	5	220	13.9	130	8.20	1.1	101
74/06/24	1100	9.3	30.0	16300	2.0	6	220	13.6	128	8.00	0.6	98
74/07/08	1000	10.5	19.5	12700	6.0	8	208	13.4	130	8.10	1.5	95
74/07/22	1100	10.5	21.0	11200	17.0	20	190	13.7	133	8.30	0.3	91
74/08/05	1030	14.7	18.0	30100	5.0	4	182	12.2	130	8.10	0.6	85
74/08/19	1030	14.8	19.0	11200	4.0	7	180	11.7	126	8.30	1.2	86
74/08/30	1015	16.4	17.0	9250	1.0	1	187	11.2	123	8.30	0.7	77
74/09/16	1015	16.0	9.0	2110	1.0	2	175	11.3	124	8.30	3.7	89
74/09/26	0930	15.0	15.0	20700	5.0	0	189	12.0	129	8.30	1.1	88
74/10/10	1030	13.0	6.0	22800	4.0	8	186	12.1	125	8.20	1.2	89
74/10/24	1230	12.0	5.0	22800	3.0	3	191	12.9	129	8.10	0.7	89
74/11/15	1015	10.5	2.0	22500	3.0	5	199	13.4	130	8.10	1.0	93
74/12/02	1115	10.0	2.0-	11000	3.0	3	213	13.9	132	8.10	0.7	99
74/12/13	1300	9.0	2.0	13700	2.0	5	232	14.0	131	8.00	1.1	101
75/01/02	1100	7.0	5.0-	10500	3.0	3	229	15.2	136	8.10	0.4	106
75/01/13	1130	5.5	6.0-	15000	1.0	3	233	15.6	133	7.70	0.4	106
75/01/29	0930	5.0	3.5-	22000	5.0	0	229	15.6	132	7.70	0.5	102
75/02/19	1230	2.5	6.0	10200	3.0	10	238	17.2	137	7.90	2.3	106
75/03/06	1045	2.5	3.0-	15200	3.0	5	261	17.0	135	7.80	0.6	114
75/03/19	1130	2.5	9.0	9220	2.0	0	290	16.8	133	7.80	1.0	126
75/04/02	1230	2.5	2.5	5140	2.0	3	294	17.5	139	7.90	1.1	127
75/04/21	1100	3.5	10.0	5920	6.0	0	315	15.2	124	8.00	1.2	130
75/05/01	1130	5.0	15.0	8880	3.0	4	325	16.4	139	8.30	1.8	130
75/05/12	1110	6.0	16.0	10600	3.0	10	318	16.4	141	8.20	1.7	131
75/05/29	1030	7.5	19.0	5440	8.0	4	328	15.0	135	8.20	1.0	131
75/06/09	1030	7.5	17.0	5420	4.0	2	330	15.2	137	8.10	0.7	128
75/06/30	1200	9.0	15.0	3210	6.0	15	306	15.6	144	8.30	1.1	112
75/07/08	0930	18.5	22.0	3600	2.0	10	203	11.0	125	8.40	2.3	85
75/07/29	1630	17.0	26.0	2360	4.0	5	175	11.6	130	8.40	1.8	89
75/08/08	1030	16.0	21.0	2440	1.0	5	186	11.6	128	8.30	1.2	85
75/08/28	1600	9.0	16.5	3320	1.0	5	289	13.9	128	8.00	0.8	108
75/09/10	1530	10.0	22.0	27100	2.0	5	235	13.4	128	8.10	0.6	99
75/10/02	1400	10.5	17.0	10400	4.0	4	219	12.4	120	8.00	0.5	95
75/10/14	1300	10.0	8.0	10400	3.0	5	182	13.1	126	8.10	0.6	94
75/11/04	1130	11.5	18.0	15100	2.0	4	196	9.7	96	8.00	0.6	90

TABLE 127. KOOTENAI RIVER BELOW LIBBY DAM, MT  
 USGS STATION NO. 12301933  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF CELSIUS	00010 WATER TEMP CELSIUS	00020 AIR TEMP CENT	00061 STREAM-FLOW, INST-CFS	00070 TURB JTS	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- PERCENT	00301 DO SATUR MG/L	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK T CACO <sub>3</sub> MG/L
75/11/18	1045	10.5	3.0-	17600	1.0	3	179	10.4	102	8.10	0.2	91
75/12/05	1030	9.5	0.0	10300	2.0	5	220	9.2	87	8.20	0.8	90
75/12/18	1000	8.0	0.0	22000	2.0	3	221	14.4	131	8.30	0.6	94
75/12/30	1300	7.0	0.0	24600	2.0	4	222	14.2	126	8.30	0.5	96
76/01/14	1045	6.0	2.0-	25000	2.0	4	218	14.6	126	8.20	0.5	95
76/01/23	1030	5.0	1.0-	24700	2.0	4	199	15.8	133	8.30	0.6	98
76/02/03	1230	4.0	1.0-	21700	2.0	4	226	14.8	121	8.30	0.4	99
76/02/19	0815	3.0	3.0-	15300	2.0	5	230	13.6	110	8.20	0.4	98
76/03/04	1130	2.0	10.0-	17700	2.0	3	228	14.8	116	8.20	0.3	103
76/03/18	1230	2.5	6.0	12500	2.0	3	255	13.8	110	8.20	1.8	108
76/03/30	1100	4.0	16.5	10300	3.0	5	270	12.4	102	8.20	0.7	116
76/04/19	1100	4.0	11.0	3280	2.0	4	285	12.8	104	8.20	1.6	126
76/05/03	1045	5.0	10.5	3150	3.0	4	297	12.0	101	8.20	1.5	125
76/05/14	0845	6.0	13.0	5450	3.0	5	292	12.2	105	8.20	0.5	125
76/06/01	1030	6.0	12.0	6160	4.0	2	273	12.0	104	8.30	1.4	117
76/06/14	1100	7.5	18.5	8480	3.0	2	255	10.6	96	8.20	1.5	111
76/07/01	1000	7.5	16.0	8010	4.0	2	260	10.3	93	8.10	0.9	110
76/07/15	1300	8.5	24.0	13900	3.0	8	220	10.0	92	8.20	0.6	103
76/08/04	1300	9.5	23.0	18600	3.0	18	213	9.8	93	8.40	0.4	97
76/08/18	1300	10.5	21.0	18700	2.0	16	215	9.5	92	8.20	0.9	89
76/09/02	1630	11.0	25.0	18700	2.0	3	217	8.8	86	8.20	0.5	96
76/09/16	1600	11.0	26.0	9450	1.0		180	8.6	85	8.20	0.4	93
76/10/01	1445	11.5	19.5	9260			195	8.6	85	8.20		94
76/10/19	1500	12.0	14.5	18500			200	8.4	84	8.20		91
76/11/09	0930	12.0	5.0	19100			205	7.7	77	8.00		93
76/11/24	1200	10.5	2.0	14800			200	8.2	80	8.00		
76/12/07	0900	9.5	0.0	20100			217	9.2	87	8.10		96
76/12/22	1215	11.0	2.5	15100			219	9.8	96	8.00		96
77/01/13	0845	6.0	2.0-	11500			225	10.3	89	7.80		100
77/01/27	1030	5.0	1.5-	18900			220	10.8	91	7.90		96
77/02/10	0930	4.5	0.0	18700			230	10.9	91	8.00		123
77/02/24	0930	4.1	4.0	18000			235	10.8	89	8.00		102
77/03/07	0930	3.9	8.0	3400			248	12.1	99	7.90		100
77/03/31	1015	4.0	9.0	18100			258	11.8	97	7.90		109
77/04/12	1030	4.0	14.0	17500			261	11.4	93	8.10		106
77/04/25	0945	5.0	10.5	15200			259	11.8	100	8.20		110
77/05/18	1000	6.0	7.5	3060			263	12.6	109	8.30		110
77/05/31	0930	5.9	14.0	3020			267	12.6	109	8.30		108
77/06/16	0830	7.0	11.0	3060			271	11.8	104	8.20		110
77/06/29	1535	10.5	23.0	13400			260	10.1	98	8.40		108
77/07/19	1200	13.0	19.0	19400			245	9.3	95	8.30		98
77/08/03	1200	15.5	24.0	8830			215	9.8	105	8.50		100
77/08/17	0900	17.0	16.0	19200			242	8.8	98	8.50		99
77/08/31	1530	15.0	21.0	3970			238	9.0	98	8.30		98
77/09/15	1100	14.0	11.5	3880			198	8.8	92	8.10		101
77/09/30	1600	11.5	13.0	19200			243	9.0	98	8.30		106
77/10/14	1030	10.1	6.5	19500			243	8.6	91	8.10		110
77/10/28	1045	8.2	10.0	4110			248	8.8	81	8.20		114
77/11/08	1000	8.9	1.0-	17700			258	8.2	76	8.00		110
77/11/21	1145	8.4	10.0-	19200			260	8.2	75	8.10		106
77/12/05	1100	7.2	2.0-	18400			257	9.2	83	7.90		106
77/12/21	1400	5.5	5.0-	4040			250	10.4	89	8.10		110
78/01/10	1000	2.7	4.0-	18000			251	11.5	91	8.30		108
78/01/23	1045	2.4	2.0	17200			248	9.9	79	8.20		100
78/02/07	0900	1.6	0.5	13100			255	12.3	95	8.10		108
78/02/23	0900	1.6	0.5	13800			254	12.6	97	8.10		109
78/03/07	1000	1.6	1.5	4150			262	13.0	100	8.40		111
78/03/21	1130	2.6	10.0	3090			260	13.0	103	8.50		120
78/04/06	1045	2.6	8.0	3090			257	12.6	100	8.30		115
78/04/27	1030	4.2	10.5	3120			258	13.0	107	8.10		122
78/05/19	1130	7.5	16.5	3090			270	13.4	120	8.30		113
78/05/31	1130	8.0	16.0	7350			273	11.5	105	8.40		120
78/06/16	0900	9.6	13.0	9410			265	10.9	103	8.40		111
78/06/30	0815	10.8	15.0	13100			230	10.4	102	8.30		90
78/07/07	1120	13.0	24.0	19200			227	10.1	103	8.30		100
78/07/31	1135	13.4	24.0	13100			213	9.3	96	8.30		95
78/08/09	1500	14.0	32.0	18700			204	9.2	96	8.40		110
78/08/22	0805	13.6	16.0	7840			205	9.2	95	8.40		97
78/09/05	1400	13.8	20.0	13700			205	8.9	93	8.10		89
78/09/20	0820	12.4	3.5	9350			208	9.2	92	7.80		92
78/10/03	1120	12.2	8.0	13800			208	8.7	85	7.90		90
78/10/18	1030	11.8	10.0	3770			213	9.8	98	8.30		94
78/11/03	0800	10.0	10.0	18900			216	9.3	88	7.90		95
78/11/27	1030	7.6	2.0	20400			232	9.8	88	7.80		99
78/12/14	1450	6.2	1.0-	10700			239	9.9	86	7.80		100

TABLE 128. KOOTENAI RIVER AT LIBBY, MT  
 USGS STATION NO. 12303000  
 COE/USGS DATA: STORET RETRIEVAL

DATE	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00060 STREAM-FLOW CFS	00061 STREAM-FLOW INST-CFS	00070 TURB JKSN JTU	00080 COLOR PT-GO UNITS	00095 CONDUCTIVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO SATUR PERCENT	00400 PH -- SU	00410 T ALK CACO <sub>3</sub> MG/L
72/01/06	1030	0.0	2.0	3000		1.0	0	360	14.0			137
72/02/09	0900	0.0	2.5	3000		2.0	3	345	13.6		8.10	129
72/03/16	1000	4.5	4.0	9990		30.0	20	235	13.0		8.10	90
72/04/12	1000	5.5	0.0	9480		9.0	20	255	13.0		7.80	103
72/05/02	1030	7.5	9.0	11400		3.0	2	280	13.0		7.70	112
72/06/08	1130	10.5	21.0	31400		30.0	20	195	12.8		8.00	88
72/07/14	1030	11.5	22.5	11100				195	12.0		8.00	86
72/08/21	1130	12.1	26.0	4800				200	12.6		8.20	79
72/09/20	0800	11.5	1.5	32600				195	11.8		7.90	76
72/10/27	1130	11.0	4.0	30100				240	12.6		7.20	90
72/11/09	0930	8.9	0.0	30500				240	12.0		7.40	108
72/12/22	1000	2.0	2.0	3860				320	13.2		7.70	133
73/01/15	1030	0.5	3.0	2900				324	14.6		7.60	128
73/02/22	1330	0.5	8.0	3130				360	15.2		7.60	133
73/03/28	1030	2.0	6.0	3860				350	13.6		8.00	132
73/04/18	1200	4.5	8.0	3350				310	14.4		8.30	115
73/05/15	0930	10.0	12.0	4200				270	11.5		8.20	103
73/06/07	0900	11.0	18.0	3630				230	10.9		7.80	93
73/07/12	0900	10.5	19.0	6400				235	12.6		7.90	98

TABLE 129 KOOTENAI RIVER AT LEONIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM FLOW, INST-CFS	00070 TURB JKSN JIU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
72/01/10	10 00	0.0	0.0	2790	1.0	5	308	14.1	104.0	7.80	120
72/02/03	14 30	0.1	3.0-	3370	1.0	5	314	14.5	106.0	6.70	124
72/03/02	08 35	0.8	0.5	10200	20.0	10	156	13.9	104.0	6.40	64
72/04/11	14 05	5.6	11.0	13400		20	195			7.10	84
72/05/01	09 50	6.3	13.0	14400	1.0	20	211	12.7	109.0	6.70	90
72/06/13	09 55	9.5	19.5	40500	30.0	40	156	12.1	112.0	6.60	76
72/07/10	11 25	12.2	19.5	7470	6.0		133	10.7	106.0	7.10	65
72/09/06	13 00	19.0	17.5	8800	2.0		156	10.1	114.0	6.90	96
72/11/28	13 45	4.0	2.0-	17600	3.0		278	13.8	111.0	7.80	120
73/01/31	14 15	0.0	3.0	3590	2.0		293	14.4	106.0	7.90	115
73/03/29	11 20	3.5	12.0	4920	2.0		284	12.9	103.0	8.50	68
73/05/31	10 20	11.5	19.0	7660	1.0		142	9.8	95.0	7.60	60
73/11/30	10 10	6.0	3.0	4540			178				
74/02/05	12 35	3.5	2.0	19700			215				
74/04/08	12 00	5.5		11600			172				
74/05/16	11 15	7.0	9.5	22600			181				
74/06/25	08 30	11.0	20.0	26700			178				
74/07/30	10 30	12.5	34.0	14700			97				
74/10/03	13 20	12.5	15.0	21800			161				
75/01/30	13 35	4.0	0.0	23000			86				
75/04/10	09 32	3.5	3.5	3700			260				
75/05/27	08 24	8.0	12.0	14800			162				
75/06/26	12 40	10.5	13.0	8840			108				
75/08/29	09 03	11.0	9.5	4730			181				
75/10/03	09 05		15.0	11400			216				
75/11/20	09 15	8.5	1.0	19200			142				
76/01/06	10 05	6.0	1.5	27200			209				
76/02/17	10 05	4.0	2.0	17600			174				
76/04/06	09 30	4.0	7.0	12600			214				
76/06/04	10 10	8.0	16.0	8770			171				
76/07/07	09 45	12.0	15.0	22100			145				
76/10/07	10 40	10.5	9.0	8210							
76/11/17		9.0	7.0	6580							
77/01/26	09 30	5.0	0.5-	6800							
77/04/27	09 35	6.0	11.0	10500			210				
77/05/31	09 50	9.7	18.5	5180			172				

TABLE 129 KOOTENAI RIVER AT LEONIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM FLOW, INST-CFS	00070 TURB JKSN JIU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
77/07/21	09 20	14.0	18.0	8670			233				
77/09/07	10 05	15.0	13.5	6550			223				
77/10/04	11 15	11.0	6.5	20600			203				
77/12/07	13 00	5.0	3.5				234				
78/01/16	10 05	2.0	0.5	5330			187				
78/03/09	09 45	4.0	5.5	5330			253				
78/04/05	09 10	5.0	8.0	9290							
78/05/25	09 05	6.5	9.0	12900			125				
78/07/26	11 55	16.0	28.5	6280			195				
78/09/12	09 20	13.5	14.5	10400			199				
78/10/03	11 30	11.5	11.5	15000			203				

TABLE 130 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 1231R500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM FLOW, INST-CFS	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
72/01/10	13 15	0.0	0.5	3000	1.0	3	311	13.7	100.0	7.70	122
72/02/03	10 00	0.0	14.0	2840	2.0	5	281	13.5	98.0	6.80	114
72/03/02	11 15	0.5	4.0	13500	30.0	10	137	13.4	98.0	6.00	54
72/04/11	11 10	5.0	8.0	18000	5.0	20	162	12.3	103.0	6.80	74
72/05/01	13 20	8.5	17.0	17400	3.0	20	180	11.9	117.0	6.80	79
72/06/13	11 35	9.5	17.0	47600	20.0	30	146	11.4	107.0	6.60	64
73/01/31	09 50	0.0	2.0	4940	4.0		261			7.70	109
73/02/22	11 05	0.0	2.0	3850	2.0		277			8.00	118
73/03/28	10 00	5.0	7.0	5230	3.0		261	12.1	101.0	7.30	110
73/04/26	12 15	10.0	22.0	7860	4.0		173	11.5	108.0	8.00	70
73/05/31	14 30	20.0	20.0	10700	3.0		100	10.1	117.0	7.40	46
73/07/10	09 45	17.5	23.0	4840	3.0		150	9.2	102.0	7.70	174
	22 00	18.0	28.5	5620				9.3	104.0		
	24 00	18.0	26.0	5540				9.1	102.0		
73/07/11	02 00	17.5	21.5	5740				9.2	102.0		
	04 00	17.5	17.0	5700				9.2	102.0		
	06 00	17.0	14.5	6600				9.0	99.0		
	08 00	17.0	17.0	7340				9.2	101.0		
73/08/23	10 45	12.5	22.0	17900	4.0		214	10.2	102.0	8.20	94
73/09/27	12 00	12.5	16.0	20600	2.0		211	10.1	96.0	8.00	90
73/10/25	09 30	11.5	7.5	10500	2.0		192	9.8	96.0	8.10	100
73/12/11	09 15	3.0	0.0	5200	1.0		163	12.1	95.0	7.30	82
74/01/28	10 15	3.5	5.0	9720	20.0		130	12.1	97.0	7.10	54
74/02/25	13 30	3.0	3.0	21400	7.0		192	12.0	95.0	7.80	90
74/03/25	10 30	4.0	4.0	8250	5.0		171	12.6	103.0	7.60	80
74/04/23	09 35	6.5	8.0	24800	6.0		136	11.9	103.0	7.60	68
74/05/30	10 00	8.0	9.0	39300	7.0		114	11.7	114.0	7.40	55
74/06/17	10 15	11.5	19.0	49000	20.0		91	10.7	104.0	7.00	38
74/06/24	12 20	13.0	27.0	37100			97				
74/07/22	12 45	18.5	29.5	12600	7.0		125	10.8	121.0	7.30	60
74/08/27	09 30	17.0	18.0	11300			151	9.7	106.0	8.10	80
74/10/01	10 00	12.5	9.0	17700	4.0		160	10.3	103.0	7.80	87
74/11/20	10 00	9.5	6.0	25100	2.0		150	10.9	101.0	7.70	89
74/12/09	10 15	8.4	6.0	14700	1.0		175	11.6	104.0	7.70	92
75/01/20	11 00	5.0	5.0	16200	1.0		183	12.9	107.0	7.50	99
75/02/18	10 20	2.0	0.0	23200	2.0		194	13.4	103.0	7.60	106

TABLE 130 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 1231R500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STRFAM FLOW, INST-CFS	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CACO3 MG/L
75/02/24	12 00	4.0		20600							
75/03/18	10 00	3.0		10100							
75/04/09	10 00	6.0	6.0	4150	2.0		210	13.3	104.0	8.10	105
75/04/24	10 00	5.5	6.0	11300	4.0		169	11.9	101.0	7.70	83
75/05/22	10 30	8.5	14.0	23900	6.0		98	11.5	104.0	7.20	43
75/06/17	09 30	10.5		16700	5.0		90	10.6	101.0	7.40	34
75/06/27	12 15	12.0	19.0	12200			101				
75/07/15	11 00	18.5	17.0	5510	1.0		115	8.7	98.0	7.10	57
75/08/15	10 00	21.0	27.0	4520	1.0		118	8.1	96.0		83
75/09/23	10 00	22.0	26.5	7760	1.0		162	9.9	120.0	7.80	81
75/10/30	11 00	10.0	10.0	16000	1.0		146	11.1	104.0	7.50	80
75/11/21	10 30	6.5	2.0	19000	1.0		199	11.6	100.0	7.50	79
75/12/30	11 20	5.5	3.0	28200	6.0		151	12.4	105.0	7.40	86
76/01/28	10 30	5.0	7.0	28100	1.0		155	13.2	111.0	7.70	86
76/02/18	11 00	5.0	5.5	18000	2.0		148	13.1	109.0	7.40	88
76/03/31	10 20	7.5	8.0	8660	3.0		169	12.2	108.0	7.70	107
76/04/23	11 00	9.0	15.0	9960	5.0		118	12.9	118.0	7.60	70
76/05/26	10 10	12.5	16.0	16600	3.0		72	10.5	104.0	7.70	80
76/06/29	10 30	21.0	24.5	10000	2.0		98	9.6	114.0	7.10	62
76/07/09	12 10	12.0	26.0	23500			184				
76/07/22	10 45	15.5	18.0	11500	6.0		226	10.7	112.0	8.00	100
76/08/18	10 30	16.0	15.0	19100	3.0		207	11.3	120.0	7.70	98
76/08/20	12 10	13.5	26.0	19900			161				
76/09/23	10 15	15.5	17.0	14200	2.0		207	10.4	109.0	7.20	88
76/10/01	11 20	15.0	21.0	9710			130				
76/10/27	10 45	13.5	10.0	17900	3.0		204	10.4	105.0	7.40	90
76/11/29	11 00	8.0	4.0	21700	5.0		156	11.4	101.0	7.30	90
76/12/28	10 40	8.0	2.0	16300	4.0		207	11.4	102.0	7.10	72
77/01/19	10 30	5.5	1.0	11400	4.0		210	12.0	101.0	7.70	98
77/02/23	10 15	6.5	5.0	4680	10.0		194	12.1	104.0	7.60	98
77/03/30	11 00	9.0	9.0	15400	3.0		209	12.4	114.0	7.60	110
77/04/20	10 15	12.0	9.0	5230	1.0		194	11.3	111.0	7.30	76
77/05/25	10 45	12.0	10.0	6700	2.0		137	10.5	103.0	7.50	64
77/06/22	11 00	21.5	22.0	5230	4.0		192	8.7	104.0	7.60	80
77/07/19	11 45	19.4	18.0	11400	7.0		243	9.0	103.0	7.80	90
77/08/16	10 00	25.0	19.0	7400	2.0		215	8.3	105.0	8.10	98

TABLE 130 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM FLOW, INST-CFS	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
77/09/13	10 00	15.5	16.0	4090	1.0		211	9.4	99.0	8.00	82
77/10/03	08 30	10.5	8.5	9760			238				
77/10/27	10 00	8.0	0.5	9170	1.0		235	11.1	99.0	7.40	110
77/11/23	10 30	5.5	2.0-	19600	2.0		230	11.6	98.0	7.80	107
77/12/20	10 45	4.0	4.0	5960	2.0		174	11.9	96.0	7.50	82
78/01/09	12 50	3.5	5.0	4460			231				
78/01/30	10 00	2.0	4.0-	4190	2.0		241	13.2	102.0	7.50	110
78/02/22	10 30	3.0	4.5	12600	2.0		221	8.2	65.0	7.90	98
78/03/28	10 15	6.5	7.5	11200	10.0		138	8.2	71.0	6.60	60
78/04/25	11 00	9.5	19.0	11500	2.0		147	11.8	110.0	6.50	64
78/05/30	10 00	10.0	10.0	14200			125	8.6	81.0	6.60	48
78/06/27	10 00	17.0	20.5	15800			109	9.4	103.0	7.60	76
78/07/27	10 00	18.5	21.5	12500			187	8.3	93.0	8.10	82
78/08/30	10 00	15.5	17.0	13800			202	9.2	97.0	8.30	98
78/09/27	12 00	15.5	19.5	15000			271	9.8	103.0	8.10	90
78/10/26	10 15	10.0	0.5	19000			202	10.5	98.0	8.20	90
78/11/21	10 00	6.0	5.5-	21100			216	12.6	108.0	8.10	98
78/12/19	10 30	4.5	1.0-	20400			229	11.7	97.0	7.70	72

TABLE 131 KOOTENAI RIVER AT PORTHILL IDAHO  
USGS STATION NO. 12320000  
COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00010 WATER TEMP CENT	00020 AIR TEMP CENT	00061 STREAM FLOW, INST-CFS	00070 TURB JKSJN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO MG/L	00301 DO SATUR PERCENT	00400 PH SU	00410 T ALK CAC03 MG/L
75/01/21	11 31	4.1	6.0-	18200			116				
75/02/26	11 00	2.8	5.0-	18400			201				
75/06/30	12 10	12.0	21.0	10200			94				
75/08/19	10 20	20.5	37.0	5170							
75/11/21	11 45	6.0	2.0	19000			146				
76/01/02	12 25	4.5	15.0-	29000			168				
76/02/19	09 50	3.9	3.0	17500			206				
76/04/01	12 05	6.0	6.0	15600			224				
76/05/27	12 00	12.0	20.0	19000			61				
76/07/09	14 55	16.0	27.0	23800			176				
76/08/19	10 35	13.0	24.0	19700			173				
76/10/01		14.5	20.5	10500							
76/12/01		7.0	1.0-	16400							
77/02/01		2.0	0.0	10600							
77/03/31		4.5	7.0	15600							
77/08/11		21.0	26.5	8830							
77/10/03	14 30	11.0	13.5	9670			235				
77/11/29	10 25	6.0	11.0	15700			223				
78/06/01	10 05	11.5	16.5	16700			96				

TABLE 132. FISHER RIVER NEAR LIBBY, MT  
 USGS STATION NO. 12302055  
 COE/USGS DATA: STORET RETRIEVAL

DATE	00010 WATER TEMP CELSIUS	00020 AIR TEMP CELSIUS	00061 STREAM- FLOW, INST-CFS	00070 TURB JKSN JTU	00080 COLOR PT-CO UNITS	00095 CONDUCTVY AT 25C MICROMHO	00300 DO -- MG/L	00301 DO PERCENT SATUR	00400 PH -- SU	00310 BOD 5 DAY MG/L	00410 T ALK CACO <sub>3</sub> MG/L
72/01/05	0.0	3.0	160	1.0	0	239	14.0		7.80		123
72/02/08	0.0	1.5	220	2.0	0	205	13.0		7.80		98
72/02/29	0.0		2610								
72/03/13	3.0	3.0	2220	45.0	30	135	12.2		7.40		57
72/03/20	3.5		4420								
72/04/10	3.5	1.0	1790	10.0	20	125	12.4		8.00		60
72/05/01	6.5	13.0	1510	10.0	40	120			7.00		55
72/06/06	9.2	15.0	2000	20.0	20	80	10.4		7.20		36
72/07/10	12.0	10.0	567	7.0	10	90	9.8		7.80		72
72/08/14	16.5	17.0	198	5.0	5	205	9.0		7.60		93
72/09/22	9.5	10.5	153	2.0	5	228	10.8		8.30		103
72/10/12	6.5	4.0	156	1.0	5	215	11.6		7.90		98
72/11/10	3.0	0.0	151	1.0	5	205	12.4		7.70		112
72/12/14	0.0	13.0	110	1.0	5	210	13.4		7.40		128
73/01/15	0.0	2.0	350	6.0	6	160	13.4		7.90		74
73/02/16	0.0	4.0	169	3.0	1	192	13.6		7.60		100
73/03/23	5.0	6.0	228	7.0	6	205	12.2		8.10		97
73/04/27	9.0	17.5	540	6.0	7	125	10.8		8.20		60
73/05/18	10.5	28.0	1340	25.0	20	70	10.6		7.70		34
73/06/15	11.0	15.0	446	13.0	5	110	10.3		7.90		56
73/07/13	18.0	26.0	133	1.0	3	195	8.9		8.30		89
73/08/10	17.0	24.0	79	1.0	2	220	9.0		8.10		112
73/09/21	12.5	13.0	94	1.0	3	215	10.1		8.20		100
73/10/19	6.5	11.0	92	1.0	3	233	11.7		7.90		115
73/11/20	2.0	0.5	249	2.0	4	145	13.0		7.40		67
73/12/11	1.0	1.0	204	1.0	2	161	13.1		7.20		45
74/01/16	0.0		7230								
74/01/18	2.0		4340								
74/01/25	2.0	5.0	1070	83.0	60	120	12.5		7.90		54
74/02/22	1.0	1.0-	348	11.0	10	178	12.9		8.20		84
74/03/22	0.5	0.0	720	20.0	30	154	12.8		7.90		72
74/03/28	5.0		1140								
74/04/22	6.0	18.5	2130	51.0	40	116	11.2		7.90		53
74/05/09	7.0	20.0	3270	110.0	50	87	11.1		7.70		39
74/06/04	8.5		2410								
74/06/10	10.5	23.5	1840	60.0	20	86	10.4		8.00	0.7	40
74/07/08	13.0	21.0	583	15.0	7	110	9.5		8.10	1.6	58
74/08/05	20.0		226	2.0	1	170	8.7		8.40	0.3	90
74/08/30	17.5	22.0	147	2.0	1	207	8.8		8.40	0.7	110
74/10/24	3.5	2.0-	109	1.0	0	240	12.3		8.20	0.6	122
74/11/18	4.5	4.5	124	2.0	1	200	12.1		8.30	0.9	119
74/12/13	2.0	0.0	139	2.0	10	185	12.8		8.20	1.5	112
75/01/14	0.0	6.0	110	2.0	3	242	13.7		7.80	0.3	126
75/02/19	0.0	5.0	200	9.0	8	187	13.3		8.20	4.1	94
75/03/20	4.5	3.5	252	15.0	10	191	12.2		8.00	0.4	98
75/05/09	6.5	17.0	2010	55.0	45	90	11.2		7.80	1.2	49
75/05/29	9.5	21.0	1430	85.0	20	83	10.0		8.00	1.1	46
75/06/09	9.0	11.0	1560	35.0	8	74	11.4		7.70	1.1	39
75/07/08	18.0	26.5	678	10.0	8	90	9.2		8.10	1.3	48
75/08/07	16.0	18.0	164		5	186	9.3		8.30	1.3	98
75/09/15	14.0	22.0	115	2.0	1	192	9.8		8.40	0.5	112
75/10/02	8.5	4.5	113	2.0	1	221	11.0		8.20	0.7	119
75/11/19	0.5	2.0-	245	4.0	12	158	13.6		8.10	0.5	86
75/12/05	2.0	--	3000	--	--	--	--		--	--	--
75/12/19	0.0	2.0-	391	10.0	4	132	13.8		8.30	0.6	69
76/01/13	0.0	5.0-	236	4.0	5	160	13.6		8.30	0.5	88
76/02/19	1.5	0.5-	296	6.0	7	164	13.3		8.30	0.5	86
76/04/13	5.0	10.0	3120	95.0	40	85	11.8		7.90	1.5	48
76/05/10	7.5	24.0	3240	260.0	45	65	11.1		8.00	1.6	37
76/05/17	8.5	9.5	1890	50.0	8	85	11.1		8.20	0.6	40
76/06/01	9.5	18.5	1010	15.0	2	90	10.6		8.30	0.8	48

TABLE 133 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00015 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
72/03/20	13 30	34	9.5	3.3	1.0	2	25	0.6	8.4
72/03/27	10 30	35	9.5	3.1	0.8	3	26	0.5	9.0
72/04/04	12 30	37	10.0	3.3	0.9	3	27	0.6	8.0
72/04/10	12 30	38	11.0	3.2	0.9	3	28	0.6	8.1
72/04/17	11 00	40	12.0	3.8	1.1	3	28	0.7	8.0
72/04/24	12 30	39	11.0	2.9	0.8	2	26	0.5	7.5
72/05/01	10 00	41	12.0	3.5	0.9	2	28	0.5	7.0
72/05/08	10 15	40	11.0	3.1	0.9	2	27	0.6	6.3
72/05/15	11 00	34	9.9	2.3	1.2	2	21	0.6	6.9
72/05/22	10 30	29	7.0	1.2	0.6	1	13	0.2	6.6
72/05/30	13 00	28	7.1	1.5	0.4	1	11	0.2	6.1
72/06/05	10 30	31	7.1	1.7	0.5	2	16	1.9	5.7
72/06/12	08 30	28	7.0	2.2	0.9	1	11	0.1	5.4
72/06/19	10 30	27	6.6	0.4	0.6	1	10	0.2	5.0
72/06/26	09 30	28	6.8	0.7	0.7	2	10	0.2	5.0
72/07/03	09 00	27	6.4	0.8	0.8	1	11	0.3	4.7
72/07/10	11 00	27	6.4	1.2	0.5	1	11	0.7	4.7
72/07/17	08 15	27	6.5	1.1	0.6	1	11	0.2	4.8
72/07/25	08 00	28	6.4	1.1	0.5	1	13	0.2	4.8
72/07/31	11 00	28	6.7	1.1	0.6	1	11	0.2	4.6
72/08/07	09 15	26	6.7	1.1	0.0	3	12	0.2	5.0
72/08/14	10 30	27	7.5	1.2	0.5	1	19	0.3	4.5
72/08/21	08 30	29	6.9	1.5	0.5	1	12	0.3	4.2
72/08/28	14 45	27	7.3	1.4	0.4	2	15	0.2	4.0
72/09/08	10 30	29	6.8	1.4	0.5	2	14	0.3	4.5
72/09/15	11 30	30	7.2	1.3	0.6	2	12	0.2	4.6
72/09/22	08 30	27	7.0	1.5	0.5	2	13	0.3	4.6
72/09/29	11 00	29	7.5	1.5	0.5	2	14	0.2	4.4
72/10/06	09 00	30	8.0	1.8	0.6	3	16	0.3	4.1
72/10/13	09 45	32	8.2	1.9	0.0	2	20	0.4	4.3
72/10/20	09 30	33	8.7	2.1	0.6	2	19	0.6	4.2
72/10/27	14 30	33	9.3	2.1	0.9	2	19	0.5	4.0
72/11/03	11 00	36	9.4	2.3	0.7	4	22	0.6	4.1
72/11/10	11 00	34	9.5	2.4	0.6	3	21	0.4	4.2
72/11/17	11 30	34	9.4	2.2	0.7	3	24	0.4	4.1
72/11/24	10 30	37	11.0	2.7	0.9	3	22	0.5	5.0

TABLE 133 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00015 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
72/12/01	12 00	43	12.0	3.8	1.0	4	28	0.7	6.0
72/12/08	10 30	43	12.0	3.8	0.4	3	27	0.8	6.3
72/12/15	11 00	44	13.0	3.7	0.9	4	30	0.9	6.9
72/12/22	12 00	46	13.0	4.5	1.0	4	31	0.9	7.0
72/12/29	10 00	42	14.0	4.4	1.0	4	34	1.0	7.3
73/01/05	10 00	48	15.0	4.4	0.9	5	38	1.1	7.5
73/01/12	09 30	46	14.0	4.9	0.9	4	38	1.2	7.2
73/01/19	10 00	46	14.0	4.5	0.9	4	36	1.2	7.2
73/01/26	10 30	46	13.0	4.6	0.9	5	36	1.2	6.9
73/02/02	10 00	49	14.0	3.4	0.8	4	39	1.2	7.2
73/02/09	11 30	47	14.0	4.6	1.0	4	21	1.3	7.5
73/02/16	10 00	46	14.0	4.6	0.8	5	38	1.3	6.9
73/02/23	09 30	48	14.0	4.5	0.9	5	40	1.4	7.0
73/03/02	10 30	47	14.0	4.6	1.0	5	36	1.4	7.8
73/03/09	08 30	49	14.0	5.0	0.9	5	42	1.4	6.9
73/03/16	12 30	48	14.0	5.3	0.9	4	41	1.3	6.9
73/03/23	11 30	49	14.0	5.0	0.7	5	43	1.4	6.9
73/03/30	13 00	48	14.0	5.1	0.9	7	43	1.4	6.7
73/04/05	12 30	47	14.0	5.1	0.9	5	39	1.1	6.2
73/04/13	12 30	45	13.0	5.3	0.9	5	39	1.5	6.4
73/04/20	11 00	45	13.0	4.8	0.8	6	38	1.5	5.8
73/04/27	10 30	44	13.0	5.2	0.9	5	38	1.4	4.8
73/05/04	13 30	45	13.0	4.9	0.9	6	39	0.9	4.5
73/05/11	15 00	44	13.0	4.8	0.9	5	34	1.3	4.6
73/05/18	11 00	42	12.0	4.3	0.8	5	34	1.2	4.3
73/05/25	09 00	41	12.0	3.8	0.8	4	34	1.2	4.5
73/06/01	10 00	40	12.0	3.8	0.9	4	31	1.1	5.5
73/06/08	11 00	40	11.0	2.9	0.7	3	27	1.0	4.6
73/06/15	10 00	36	10.0	3.3	0.7	3	26	0.9	5.1
73/06/22	11 30	34	9.7	2.9	0.8	3	23	0.7	4.8
73/06/29	11 00	33	8.8	2.4	0.6	2	21	0.8	4.9
73/07/05	11 00	32	8.7	2.5	0.7	2	20	0.5	4.4
73/07/13	09 30	32	8.6	2.3	0.6	2	21	0.5	5.0
73/07/20	08 30	31	8.4	2.1	0.6	2	18	0.5	4.8
73/07/27	11 30	33	8.1	2.0	0.6	2	18	0.2	4.7
73/08/03	10 00	29	8.0	2.0	0.5	2	17	0.4	4.7



TABLE 133 KOOTENAI RIVER BFLOW LARRY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PISSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SU4-TUT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
73/08/10	12 30	32	7.9	2.0	0.5	2	17	0.4	3.7
73/08/17	11 00	31	8.1	2.0	0.5	2	18	0.4	0.5
73/08/23	11 00	31	7.8	1.7	0.4	1	16	0.3	4.7
73/08/31	09 15	30	7.4	2.0	1.0	2	15	0.3	4.6
73/09/05	14 45	30	7.6	2.0	1.0	1	15	0.4	4.8
73/09/13	07 30	29	7.3	2.0	0.0	2	15	0.3	4.5
73/09/21	10 30	30	7.7	2.1	0.4	2	13	0.3	4.6
73/09/28	10 00	30	7.8	1.8	0.5	2	14	0.4	4.4
73/10/04	17 00	32	8.1	1.8	0.6	2	16	0.5	4.6
73/10/12	10 30	33	8.3	1.4	0.1	2	17	0.5	4.6
73/10/19	10 30	33	8.5	2.1	0.6	2	18	0.4	5.2
73/10/26	11 30	35	9.4	2.6	0.6	3	19	0.4	4.8
73/11/02	10 30	35	9.6	2.5	0.7	2	21	0.6	4.6
73/11/05	10 00	35	9.4	2.5	0.7	3	20	0.6	4.5
73/11/15	11 00	35	10.0	2.8	0.7	2	22	0.6	4.8
73/11/20	11 00	36	9.4	3.1	0.8	2	20	0.5	4.6
73/11/30	17 00	37	10.0	3.3	0.8	2	23	0.5	4.8
73/12/07	14 30	37	10.0	2.4	0.7	3	31	0.5	4.8
73/12/12	08 00	37	9.9	3.2	0.7	3	23	0.5	5.1
73/12/18	11 30	36	9.9	3.1	0.7	2	22	0.5	5.0
73/12/27	10 15	37	9.7	2.6	0.6	3	23	0.5	4.7
74/01/03	14 00	38	9.9	2.7	0.7	3	21	0.6	4.7
74/01/10	14 30	37	10.0	3.0	0.6	2	21	0.6	5.6
74/01/19	13 30	37	9.9	3.4	0.8	2	22	0.6	5.4
74/01/25	10 00	35	9.8	2.9	0.7	2	21	0.5	4.8
74/01/31	10 30	36	9.7	3.2	0.7	3	20	0.4	4.9
74/02/07	15 15	35	9.4	3.0	0.8	2	21	0.5	4.8
74/02/13	15 00	35	9.5	2.7	0.6	3	21	0.5	4.7
74/02/22	11 30	35	9.4	2.9	0.7	3	21	0.6	5.1
74/02/27	08 00	36	9.9	3.0	0.7	3	22	0.7	4.8
74/03/07	09 30	36	10.0	3.4	0.6	3	23	0.6	5.2
74/03/15	08 00	37	10.0	3.0	0.8	3	24	0.7	5.0
74/03/22	15 00	39	10.0	3.3	0.8	3	24	0.7	5.2
74/03/28	15 00	38	11.0	3.1	0.8	3	24	0.6	4.5
74/04/04	11 30	37	11.0	3.0	0.9	3	26	0.7	5.1
74/04/11	08 00	41	11.0	3.5	0.7	2	26	0.9	5.4

TABLE 133 KOOTENAI RIVER BFLOW LARRY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA,DISS MG/L	00925 MGNSIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 PISSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SU4-TUT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
74/04/18	08 00	40	12.0	3.9	0.9	3	29	0.9	5.9
74/04/22	15 00	41	12.0	3.6	1.0	3	31	1.1	6.2
74/05/03	14 30	40	12.0	3.9	1.0	4	31	1.1	5.3
74/05/10	07 45	40	11.0	3.8	0.8	3	29	1.2	6.0
74/05/17	13 10	36	10.0	2.7	0.8	3	23	0.8	6.5
74/05/20	14 30	36	10.0	3.3	0.8	2	25	0.9	5.8
74/05/30	14 00	34	9.5	2.5	0.7	2	22	1.2	5.4
74/06/10	13 00	33	8.9	1.8	0.7	2	17	0.5	6.6
74/06/24	11 00	32	8.2	1.8	0.6	2	18	0.3	6.2
74/07/08	10 00	29	7.8	1.7	0.4	2	13	0.3	5.7
74/07/22	11 00	30	8.0	1.6	0.7	2	14	0.2	5.5
74/08/05	10 30	28	6.7	1.2	0.6	2	12	0.2	4.8
74/08/19	10 30	28	7.3	1.4	0.5	1	11	0.2	4.6
74/08/30	10 15	28	7.3	1.5	0.5	2	11	0.2	4.0
74/09/16	10 15	29	6.8	1.5	0.7	1	12	0.3	4.2
74/09/26	09 30	29	7.0	1.4	0.0	1	12	0.1	4.5
74/10/10	10 30	29	6.7	1.3	0.4	2	12	0.2	4.5
74/10/24	12 30	28	6.3	1.4	0.4	1	11	0.2	4.7
74/11/15	10 15	30	6.8	1.6	0.8	2	11	0.1	4.5
74/12/02	11 15	32	8.0	1.4	3.0	2	14	0.2	4.8
74/12/13	13 00	35	9.0	2.5	0.6	2	17	0.1	4.5
75/01/02	11 00	27	8.4	2.1	1.0	3	18	0.2	4.7
75/01/13	11 30	34	9.3	2.2	0.9	2	19	0.2	5.0
75/01/29	09 30	33	7.6	1.9	0.6	2	17	0.2	4.9
75/02/19	12 30	35	7.8	2.3	0.5	2	18	0.2	4.4
75/03/06	10 45	37	11.0	2.7	1.2	2	23	0.4	5.1
75/03/19	11 30	46	11.0	2.9	0.9	3	25	0.7	5.6
75/04/02	12 30	42	13.0	3.5	0.9	3	28	0.9	5.2
75/04/21	11 00	44	13.0	3.1	1.1	4	28	0.8	5.1
75/05/01	11 30	41	12.0	4.4	0.7	5	30	0.9	4.7
75/05/12	11 10	42	12.0	4.5	0.9	4	31	0.9	4.5
75/05/29	10 30	40	14.0	4.7	1.0	5	33	1.4	5.3
75/06/09	10 30	41	12.0	4.2	0.9	4	35	1.0	5.4
75/06/30	12 00	39	11.0	3.7	0.8	3	26	0.8	5.5
75/07/08	09 30	31	7.6	2.1	0.5	2	17	0.4	5.4
75/07/29	16 30	30	6.4	1.6	0.5	2	17	0.4	4.7

TABLE 133 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
75/08/08	10 30	28	7.5	2.2	0.5	1	16	0.3	4.7
75/08/28	16 00	36	11.4	3.8	0.7	3	24	0.7	6.2
75/09/10	15 30	33	9.3	3.0	0.7	3	20	0.6	5.6
75/10/02	14 00	31	8.2	2.2	0.6	2	16	0.4	5.4
75/10/14	13 00	31	7.8	2.0	0.6	1	15	0.4	5.1
75/11/04	11 30	29	7.1	1.6	0.5	2	13	0.3	4.5
75/11/18	10 45	29	7.2	1.6	0.4	2	13	0.3	4.0
75/12/05	10 30	30	7.9	1.8	0.5	1	16	0.4	4.2
75/12/18	10 00	33	7.9	1.9	0.6	2	19	0.3	4.0
75/12/30	13 00	33	7.7	2.3	0.6	2	20	0.3	3.9
76/01/14	10 45	31	8.1	2.2	0.7	2	19	0.4	3.8
76/01/23	10 30	32	8.6	2.1	0.6	2	19	0.3	3.7
76/02/03	12 30	31	8.1	2.2	0.6	2	20	0.3	4.0
76/02/19	08 15	32	10.0	2.1	0.6	2	18	0.3	3.7
76/03/04	11 30	34	8.8	2.1	0.7	1	26	0.3	4.1
76/03/16	12 30	39	9.5	2.3	0.7	2	23	0.3	4.6
76/03/30	11 00	36	12.0	3.5	0.7	2	24	0.3	4.9
76/04/19	11 00	39	13.0	3.7	0.8	4	30	0.3	5.3
76/05/03	10 45	39	12.0	3.9	0.8	3	27	0.3	5.3
76/05/14	08 45	39	11.0	4.1	0.8	3	27	0.3	5.6
76/06/01	10 30	39	11.0	3.4	0.7	5	26	0.2	6.5
76/06/14	11 00	39	11.0	3.1	0.8	5	26	0.2	6.5
76/07/01	10 00	34	11.0	2.0	0.7	3	27	0.2	6.4
76/07/15	13 00	32	9.3	2.3	0.6	2	20	0.2	5.5
76/08/04	13 00	34	8.4	2.0	0.5	2	20	0.1	4.8
76/08/18	13 00	32	7.8	1.6	0.5	2	18	0.2	5.2
76/09/02	16 30	31	8.9	1.9	0.5	2	17	0.2	4.3
76/10/01	14 45								4.3
76/10/19	15 00	29	7.4	1.5	0.5	1	14	0.1	4.0
76/11/09	09 30								3.7
76/11/24	12 00								4.0
76/12/07	09 00								3.7
76/12/22	12 15								4.0
77/01/13	08 45	31	8.1	1.8	0.4	2	18	0.2	3.8
77/01/27	10 30								3.9
77/02/10	09 30								3.7

TABLE 133 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLVED MG/L
77/02/24	09 30								3.8
77/03/07	09 30								3.8
77/03/31	10 15								4.0
77/04/12	10 30								4.0
77/04/25	09 45								3.9
77/05/18	10 00								3.3
77/05/31	09 30								3.3
77/06/16	08 30	37	11.0	3.1	0.6	3	22	0.1	3.2
77/06/29	15 35								2.9
77/07/19	12 00								2.9
77/08/03	12 00								2.5
77/08/17	09 00	33	8.9	2.3	0.4	3	20	0.2	2.9
77/08/31	15 30								2.9
77/09/15	11 00								3.4
77/09/30	16 00								3.4
77/10/14	10 30	34	9.7	2.8	0.6	3	20	0.2	3.8
77/10/28	10 45								4.2
77/11/08	10 00								4.3
77/11/21	11 45								4.0
77/12/05	11 00								3.6
77/12/21	14 00								3.8
78/01/10	10 00								3.8
78/01/23	10 45								3.8
78/02/07	09 00								3.0
78/02/23	09 00								3.8
78/03/07	10 00								3.9
78/03/21	11 30								4.2
78/04/06	10 45								5.6
78/04/27	10 30								5.0
78/05/19	11 30								4.1
78/05/31	11 30								4.6
78/06/16	09 00								5.5
78/06/30	08 15	32	9.2	2.6	0.6	3	23	0.1	5.1
78/07/07	11 20								4.7
78/07/31	11 35								4.2
78/08/22	08 05								4.6

TABLE 133 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA,DISS MG/L	00925 MAGNESIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 POTASSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
78/09/05	14 00								4.2
78/09/20	08 20								4.4
78/10/03	11 20	31	8.0	1.9	0.4	2	17	0.1	4.6
78/10/18	10 30								3.6
78/11/03	08 00								5.0
78/11/27	10 30								4.6
78/12/14	14 50								4.5

TABLE 134 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA,DISS MG/L	00925 MAGNESIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 POTASSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
72/01/06	10 30	43	14.0		0.9			1.0	
72/02/09	09 00							1.0	
72/03/16	10 00							0.7	
72/04/12	10 00	35	10.0		0.9			0.5	
72/05/02	10 30							0.5	
72/06/08	11 30							0.2	
72/07/14	10 30	27	6.5	0.7		1	11	0.4	
72/08/21	11 30	29	6.9	1.4		1	13	0.3	
72/09/20	08 00	29	7.1	1.4		2	13	0.2	
72/10/27	11 30	34	8.9	2.2		2	22	0.5	
72/11/09	09 30	34	9.3	2.1		3	20	0.4	
72/12/22	10 00	44	13.0	4.2		6	34	0.6	
73/01/15	10 30	45	13.0	4.4		4	33	1.0	
73/02/22	13 30	46	14.0	4.7		4	39	1.3	
73/03/28	10 30	45	14.0	5.0		5	39	1.3	
73/04/18	12 00	40	12.0	4.5		4	32	1.2	
73/05/15	09 30	34	10.0	3.7		3	26	0.6	
73/06/07	09 00	31	8.5	2.8		3	20	0.7	
73/07/12	09 00	32	8.5	1.6		2	18	0.6	

TABLE 135 KOOTENAI RIVER AT LEONIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA,DISS MG/L	00925 MAGNESIUM MG,DISS MG/L	00930 SODIUM NA,DISS MG/L	00935 POTASSIUM K,DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F,DISS MG/L	00955 SILICA DISOLVED MG/L
72/01/10	10 00	41	12.0	4.3	1.1	4	32	1.3	
72/02/03	14 30	43	13.0	4.8	0.8	5	30	0.5	
72/03/02	08 35	20	5.8	2.7	0.8	2	13	0.2	
72/04/11	14 05	27	7.5	2.9	0.8	2	16	0.3	
72/05/01	09 50	27	8.1	2.4	1.6	2	18	0.4	
72/06/13	09 55	22	5.5	0.8	0.6	1	8	0.2	

TABLE 136 KOOTENAI RIVER NEAR COPFLAND, ID  
USGS STATION NO. 1231R500

CUE/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CAL, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SULF-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLV'D MG/L
72/01/10	13 15	41	12.0	4.0	1.1	4	31	0.4	
72/02/03	10 00	38	12.9	4.4	0.9	4	26	0.8	
72/03/02	11 15	18	4.9	2.4	0.6	2	13	0.3	
72/04/11	11 10	22	6.3	2.5	0.8	1	13	0.3	
72/05/01	13 29	25	6.7	2.3	1.0	1	15	0.3	
72/06/13	11 35	21	4.5	0.8	0.6	0	7	0.3	
73/01/31	09 50	37	10.0	3.4	0.4	4	25	0.7	7.9
73/02/22	11 05	42	11.0	3.4	0.9	3	28	0.9	6.6
73/03/28	10 00	38	11.0	4.2	0.9	3	25	0.9	6.0
73/04/26	12 15	23	6.4	2.8	0.8	2	15	0.5	6.4
73/05/31	14 30	17	4.4	1.6	0.6	1	9	0.3	7.0
73/07/10	09 45	25	6.0	2.2	0.6	1	12	0.5	4.6
73/08/23	10 45	31	7.6	2.0	0.5	2	17	0.5	5.0
73/09/27	12 00	31	7.0	2.0	0.6	1	13	0.5	4.8
73/10/25	09 30	34	8.4	2.4	0.6	2	19	0.4	4.5
73/12/11	09 15	26	7.3	2.0	0.7	2	14	0.4	6.5
74/01/28	10 15	16	4.7	2.7	0.9	2	10	0.1	9.9
74/02/25	13 30	20	5.1	1.0	0.3	1	21	0.5	5.6
74/03/25	10 30	26	7.2	2.4	0.8	2	15	0.4	7.7
74/04/23	09 35	23	6.5	3.5	0.8	2	15	0.9	9.6
74/05/10	10 00	17	4.4	1.8	0.6	1	5	0.2	6.8
74/06/17	10 15	16	5.4	1.7	0.6	1	6	0.2	6.6
74/07/22	12 45	22	5.2	1.7	0.6	1	8	0.1	6.5
74/10/01	10 00	28	6.8	1.4	0.7	2	11	0.1	4.8
74/11/20	10 00	31	7.4	1.6	0.8	1	11	0.1	4.6
74/12/09	10 15	31	7.6	2.2	0.7	2	14	0.2	5.4
75/01/20	11 00	32	8.0	1.5	0.8	2	17	0.2	4.9
75/02/18	10 20	32	9.3	2.4	1.0	2	19	0.2	4.7
75/03/18	10 00	36	11.0	2.7	1.1	2	23	0.5	5.0
75/04/24	10 00	30	7.5	2.7	0.8	3	17	0.4	8.4
75/05/22	16 30	15	4.1	2.0	0.7	1	7	0.2	7.8
75/06/17	09 30	11	5.2	1.0	0.5	1	6	0.2	6.6
75/07/15	11 00	22	4.2	2.2	0.6	2	7	0.2	5.3
75/08/15	10 00	25	6.4	2.2	0.6	1	10	0.2	5.0
75/09/23	10 00	30	8.1	2.5	0.7	4	15	0.9	5.6
75/10/30	11 00	25	7.1	1.8	0.5	3	13	0.3	5.0

TABLE 136 KOOTENAI RIVER NEAR COPFLAND, ID  
USGS STATION NO. 1231R500

CUE/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CAL, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SULF-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISSOLV'D MG/L
75/11/21	10 30	28	6.8	1.6	0.4	1	12	0.3	5.0
75/12/30	11 20	31	7.9	1.9	0.6	1	16	0.3	4.5
76/01/28	10 30	24	7.3	2.1	0.7	2	16	0.3	4.3
76/02/18	11 00	24	8.8	2.0	0.7	2	17	0.4	4.2
76/03/31	10 20	32	9.0	2.8	0.8	4	18	0.2	5.9
76/04/23	11 00	20	6.3	3.0	0.8	1	9	0.2	8.8
76/05/26	10 10	15	3.3	1.3	0.6	2	6	0.1	7.0
76/06/29	10 30	16	4.7	1.0	0.6	2	9	0.1	6.6
76/07/22	10 45	31	8.2	2.2	0.7	3	17	0.2	5.3
76/08/16	10 30	30	8.2	1.6	0.6	4	15	0.1	5.1
76/09/23	10 15	27	7.5	1.6	0.5	2	12	0.2	4.0
76/10/27	10 45	24	6.0	1.6	0.5	3	16	0.2	3.7
76/11/29	11 00	29	7.8	1.6	0.5	8	13	0.1	3.7
76/12/28	10 40	30	9.7	1.9	0.4	5	16	0.1	4.0
77/01/19	10 30	30	7.9	2.0	0.5	7	14	0.1	3.9
77/02/23	10 15	30	4.1	2.2	0.6	3	16	0.3	4.6
77/03/30	11 00	33	9.2	2.7	0.6	7	25	0.2	4.2
77/04/20	10 15	26	7.4	2.2	0.6	19	17	0.3	5.5
77/05/25	10 45	29	5.6	1.9	0.5	4	11	0.1	5.2
77/06/22	11 00	27	7.0	2.5	0.6	7	15	0.1	5.0
77/07/19	11 45	31	8.0	2.9	0.6	10	15	0.1	2.8
77/08/16	10 00	31	8.1	2.3	0.8	3	21	0.1	3.6
77/09/13	10 00	31	8.2	2.6	0.6	2	18	0.1	3.8
77/10/27	10 00	36	11.9	3.7	0.7	3	24	0.2	4.0
77/11/23	10 30	34	9.8	2.4	0.6	3	19	0.1	4.2
77/12/20	10 45	27	7.7	2.3	0.7	2	17	0.1	6.2
78/01/30	10 00	35	10.0	2.4	0.6	3	23	0.1	4.3
78/02/22	10 30	34	9.6	2.5	0.6	3	19	0.1	4.6
78/03/28	10 15	19	5.7	1.8	0.7	1	8	0.0	6.3
78/04/25	11 00	20	5.7	2.0	0.6	2	8	0.1	6.9
78/05/30	10 00	16	4.6	1.4	0.5	1	9	0.1	8.2
78/06/27	10 00	20	5.2	2.2	0.6	1	8	0.1	6.4
78/07/27	10 00	26	7.2	2.1	0.7	2	15	0.1	4.8
78/08/30	10 00	28	7.5	3.2	0.5	2	14	0.1	5.2
78/09/27	12 00	26	7.2	2.1	0.5	2	15	0.1	4.6
78/10/26	10 15	29	7.6	2.2	0.5	2	14	0.1	4.0

TABLE 136 ROUTE 1 RIVER NEAR COPFLAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISULFID MG/L
78/11/21	10 00	29	7.8	2.2	0.5	2	17	0.1	4.0
78/12/19	10 30	31	8.0	2.7	0.6	2	21	0.1	4.5

TABLE 137 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISULFID MG/L
72/01/05	14 00	27	11.0	3.6	1.0	1	7	0.2	12.0
72/02/08	12 00	24	9.9	3.4	0.6	2	6	0.0	12.0
72/03/13	09 30	15	4.7	3.0	1.3	1	5	0.1	15.0
72/04/10	09 30	15	5.0	3.0	1.8	2	5	0.2	14.0
72/05/01	13 30	15	5.0	2.5	0.9	1	4	0.1	14.0
72/06/06	09 30	9	2.9	2.4	0.5	0	3	0.0	6.0
72/07/10	09 00	16	5.0	2.4	0.7	0	5	0.0	14.0
72/08/14	09 30	25	9.1	3.2	0.9	1	5	0.5	9.8
72/09/22	10 45	29	11.0	3.5	0.9	1	5	0.1	11.0
72/10/12	09 50	28	10.0	3.4	1.0	1	5	0.1	11.0
72/11/10	08 45	27	10.0	3.5	0.5	0	6	0.1	11.0
72/12/14	11 30	30	12.0	4.0	1.0	3	5	0.1	12.0
73/01/15	13 45	19	7.1	2.3	0.7	1	5	0.0	9.5
73/02/16	11 30	24	9.2	3.1	0.9	1	10	0.1	11.0
73/03/23	10 00	24	9.2	3.5	1.1	1	8	0.0	11.0
73/04/27	12 00	15	5.2	2.4	0.9	1	7	0.0	9.8
73/05/18	13 30	8	2.7	1.4	0.6	0	3	0.0	7.0
73/06/15	12 00	13	4.4	2.2	0.6	1	4	0.0	8.2
73/07/13	12 30	23	8.3	2.4	1.1	1	8	0.0	10.0
73/08/10	10 00	27	10.0	3.0	1.2	1	8	0.0	11.0
73/09/21	13 00	28	11.0	3.6	1.3	1	7	0.1	11.0
73/10/19	12 15	29	11.0	3.6	1.0	1	7	0.5	7.2
73/11/20	12 30	17	6.3	2.3	0.6	1	5	0.0	9.4
73/12/11	15 30	19	7.2	2.6	0.6	1	4	0.0	11.0
74/01/25	12 30	15	4.5	2.3	1.0	0	5	0.4	11.0
74/02/22	10 00	21	7.9	3.0	1.0	1	6	0.5	11.0
74/03/22	08 00	20	6.2	3.1	1.2	0	6	0.2	15.0
74/04/22	13 30	15	4.3	2.8	1.1	1	6	0.2	13.0
74/05/09	14 00	11	2.9	2.0	0.7	0	4	0.2	11.0
74/06/10	14 30	11	3.0	2.2	0.7	1	6	0.0	9.2
74/07/08	11 30	17	4.9	1.8	0.8	1	8	0.1	8.8
74/08/05	12 30	22	6.9	2.7	0.9	1	5	0.1	9.4
74/08/30	13 15	26	9.6	3.4	3.1	1	6	0.1	9.7
74/10/24	09 45	29	11.0	3.5	0.9	1	6	0.1	11.0
74/11/18	14 30	27	11.0	3.0	0.6	2	6	0.1	11.0
74/12/13	08 00	27	11.0	3.5	0.9	1	6	0.0	10.0

TABLE 137 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA STORE RETRIEVAL

DATE FROM TO	TIME OF DAY	00915 CALCIUM CA, DISS MG/L	00925 MAGNESIUM MG, DISS MG/L	00930 SODIUM NA, DISS MG/L	00935 POTASSIUM K, DISS MG/L	00940 CHLORIDE CL MG/L	00945 SULFATE SO4-TOT MG/L	00950 FLUORIDE F, DISS MG/L	00955 SILICA DISULFID MG/L
75/01/14	10 00	31	11.0	3.8	1.5	0	6	0.0	12.0
75/02/19	08 15	22	7.5	2.8	0.9	1	5	0.1	9.5
75/03/20	11 00	24	8.8	2.6	1.0	1	6	0.2	9.8
75/05/09	10 50	14	4.1	2.6	1.2	1	5	0.0	13.0
75/05/29	13 45	11	3.4	2.4	0.9	1	4	0.1	9.4
75/06/09	08 45	10	3.1	1.7	0.6	1	3	0.1	8.7
75/07/08	13 00	13	3.8	1.9	0.6	1	4	0.1	8.0
75/08/07	10 45	24	8.8	3.2	1.0	2	5	0.1	9.3
75/09/15	14 00	28	11.0	3.3	1.1	1	6	0.1	9.8
75/10/02	09 00	28	11.0	3.2	0.9	1	5	0.1	10.0
75/11/19	10 30	20	7.3	2.5	0.6	0	6	0.1	8.6
75/12/19	13 00	10	6.5	2.3	0.7	1	5	0.1	9.3
76/01/13	10 45	22	8.1	2.6	0.7	1	7	0.2	9.7
76/02/19	11 00	21	8.7	2.1	0.8	1	5	0.1	9.1
76/04/13	11 30	11	4.2	2.3	1.1	1	7	0.1	12.0
76/05/10	12 30	9	3.6	1.5	0.7	0	3	0.1	8.6
76/05/17	10 30	10	3.2	1.6	0.6	0	3	0.0	8.7
76/06/01	12 00	12	4.1	1.6	0.6	0	2	0.1	9.6

TABLE 138 KOOTENAI RIVER BFLOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORFT RETRIFVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJFL MG/L	00605 URG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DTSS MG/L
72/03/20	13 30	1.10	0.310	0.240	0.070		0.000	0.79		0.79
72/03/27	10 30	0.46	0.290	0.210	0.080		0.000	0.17		0.17
72/04/04	12 30	0.35	0.220	0.160	0.060		0.000	0.13		0.13
72/04/10	12 30	0.20	0.110	0.040	0.070		0.000	0.09		0.09
72/04/17	11 00	0.42	0.140	0.080	0.060		0.000	0.28		0.28
72/04/24	12 30	0.22	0.140	0.050	0.090		0.000	0.08		0.08
72/05/01	10 00	0.53	0.090	0.070	0.020		0.000	0.44		0.44
72/05/08	10 15	0.11	0.110	0.060	0.050		0.000	0.00		0.00
72/05/15	11 00	0.28	0.170	0.150	0.020		0.000	0.11		0.11
72/05/22	10 30	0.36	0.190	0.090	0.100		0.000	0.17		0.17
72/05/30	13 00	0.28	0.110	0.020	0.090		0.000	0.17		0.17
72/06/05	10 30				0.110		0.000	0.13		0.13
72/06/12	08 30	0.32	0.150	0.050	0.100		0.000	0.17		0.17
72/06/19	10 30	0.22	0.090	0.070	0.020		0.000	0.13		0.13
72/06/26	09 30	0.26	0.160	0.030	0.130		0.000	0.10		0.10
72/07/03	09 00	0.29	0.200	0.080	0.120		0.000	0.09		0.09
72/07/10	11 00	0.18	0.100	0.040	0.060		0.000	0.08		0.08
72/07/17	08 15	0.10	0.080	0.010	0.070		0.000	0.02		0.02
72/07/25	08 00	0.15	0.120	0.110	0.010		0.000	0.03		0.03
72/07/31	11 00	0.27	0.240	0.210	0.030		0.000	0.03		0.03
72/08/07	09 15	0.88	0.180	0.150	0.030		0.000	0.70		0.70
72/08/14	10 30	0.08	0.040	0.030	0.010		0.000	0.04		0.04
72/08/21	08 30	0.07	0.040	0.020	0.020		0.000	0.03		0.03
72/08/28	14 45	0.20	0.190	0.180	0.010		0.000	0.01		0.01
72/09/08	10 30	0.18	0.140	0.130	0.010		0.000	0.04		0.04
72/09/15	11 30	0.22	0.180	0.170	0.010		0.000	0.04		0.04
72/09/22	08 30	0.37	0.220	0.210	0.010		0.000	0.15		0.15
72/09/29	11 00	0.18	0.170	0.160	0.010		0.000	0.01		0.01
72/10/06	09 00	0.30	0.300	0.290	0.010		0.000	0.00		0.00
72/10/13	09 45	0.51	0.100	0.090	0.010		0.010	0.40		0.41
72/10/20	09 30	0.22	0.170	0.150	0.020		0.010	0.04		0.05
72/10/27	14 30	0.14	0.090	0.070	0.020		0.010	0.04		0.05
72/11/03	11 00	0.17	0.120	0.090	0.030		0.000	0.05		0.05
72/11/10	11 00	0.29	0.210	0.160	0.050		0.000	0.08		0.08
72/11/17	11 30	0.14	0.080	0.020	0.060	0.060	0.000	0.06		0.06
72/11/24	10 30	0.30	0.250	0.190	0.060	0.060	0.000	0.05		0.05

TABLE 138 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORFT RETRIFVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJFL MG/L	00605 URG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DTSS MG/L
72/12/01	12 00	0.22	0.130	0.090	0.040	0.040	0.000	0.09		0.09
72/12/08	10 30	0.31	0.200	0.120	0.080	0.080	0.000	0.11		0.11
72/12/15	11 00	0.47	0.180	0.140	0.040	0.040	0.000	0.29		0.29
72/12/22	12 00	0.49	0.200	0.130	0.070	0.070	0.000	0.29		0.29
72/12/29	10 00	0.72	0.530	0.510	0.020	0.020	0.000	0.19		0.19
73/01/05	10 00	0.59	0.380	0.290	0.090	0.090	0.000	0.21		0.21
73/01/12	09 30	0.33	0.150	0.050	0.100	0.100	0.000	0.18		0.18
73/01/19	10 00	0.44	0.230	0.130	0.100	0.100	0.000	0.21		0.21
73/01/26	10 30	0.61	0.400	0.290	0.110	0.110	0.010	0.20		0.21
73/02/02	10 00	0.58	0.220	0.120	0.100	0.100	0.000	0.36		0.36
73/02/09	11 30	0.39	0.210	0.110	0.100	0.100	0.010	0.17		0.18
73/02/16	10 00	0.49	0.280	0.170	0.100	0.110	0.010	0.20	0.21	0.21
73/02/23	09 30	0.46	0.180	0.040	0.140	0.140	0.000	0.28	0.28	0.28
73/03/02	10 30	0.46	0.220	0.090	0.130	0.130	0.000	0.24	0.24	0.24
73/03/09	08 30	0.60	0.220	0.120	0.100	0.100	0.010	0.37	0.38	0.38
73/03/16	12 30	0.64	0.350	0.260	0.090	0.090	0.000	0.29	0.29	0.29
73/03/23	11 30	0.52	0.270	0.180	0.090	0.020	0.020	0.23	0.25	0.25
73/03/30	13 00	0.53	0.260	0.100	0.160	0.160	0.000	0.27	0.27	0.27
73/04/05	12 30	0.42	0.220	0.140	0.080	0.080	0.000	0.18	0.20	0.18
73/04/13	12 30	0.59	0.460	0.420	0.040	0.040	0.000	0.13	0.13	0.13
73/04/20	11 00	0.29	0.180	0.140	0.040	0.040	0.000	0.11	0.11	0.11
73/04/27	10 30	0.13	0.110	0.070	0.040	0.040	0.000	0.02	0.02	0.02
73/05/04	13 30	0.25	0.250	0.180	0.070	0.070	0.000	0.10	0.00	0.10
73/05/11	15 00	0.25	0.210	0.180	0.030	0.030	0.000	0.00	0.04	0.00
73/05/18	11 00	0.17	0.150	0.130	0.020	0.020	0.000	0.02	0.02	0.02
73/05/25	09 00	0.16	0.140	0.140	0.000	0.010	0.010	0.01	0.02	0.02
73/06/01	10 00	0.16	0.120	0.100	0.020	0.010	0.010	0.00	0.04	0.01
73/06/08	11 00	0.28	0.240	0.240	0.000	0.010	0.010	0.03	0.04	0.04
73/06/15	10 00	0.31	0.200	0.190	0.010	0.010	0.000	0.07	0.11	0.07
73/06/22	11 30	0.30	0.110	0.080	0.030	0.010	0.010	0.08	0.19	0.09
73/06/29	11 00	0.27	0.140	0.130	0.010	0.000	0.000	0.07	0.13	0.07
73/07/05	11 00	0.20	0.150	0.150	0.000	0.000	0.000	0.03	0.05	0.03
73/07/13	09 30	0.33	0.220	0.210	0.010	0.000	0.000	0.10	0.11	0.10
73/07/20	08 30	0.77	0.680	0.660	0.020	0.010	0.010	0.08	0.09	0.09
73/07/27	11 30	0.25	0.130	0.110	0.020	0.000	0.000	0.12	0.12	0.12
73/08/03	10 00	0.34	0.230	0.220	0.010	0.000	0.000	0.10	0.11	0.10

TABLE 138 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
73/08/10	12 30	0.18	0.070	0.050		0.020	0.000	0.11	0.11	0.11
73/08/17	11 00	0.28	0.160	0.150		0.010	0.000	0.12	0.12	0.12
73/08/23	11 00	0.48	0.330	0.320		0.010	0.000	0.11	0.15	0.11
73/08/31	09 15	0.28	0.140	0.090		0.050	0.000	0.14	0.14	0.14
73/09/05	14 45	0.29	0.210	0.160		0.050	0.000	0.08	0.08	0.08
73/09/13	07 30	0.14	0.010	0.000		0.030	0.060	0.07	0.13	0.13
73/09/21	10 30	0.16	0.040	0.020		0.020	0.000	0.11	0.12	0.11
73/09/28	10 00	0.23	0.100	0.090		0.010	0.010	0.07	0.13	0.08
73/10/04	17 00	0.16	0.070	0.050		0.020	0.010	0.08	0.09	0.09
73/10/12	10 30	0.16	0.130	0.120		0.010	0.000	0.03	0.03	0.03
73/10/19	10 30	0.45	0.320	0.310		0.010	0.030	0.05	0.13	0.08
73/10/26	11 30	0.28	0.160	0.150		0.010	0.010	0.09	0.12	0.10
73/11/02	10 30	0.20	0.070	0.060		0.010	0.000	0.12	0.13	0.12
73/11/05	10 00	0.26	0.160	0.140		0.020	0.010	0.06	0.10	0.07
73/11/15	11 00	0.21	0.120	0.110		0.010	0.000	0.07	0.09	0.07
73/11/20	11 00	0.31	0.240	0.230		0.010	0.010	0.06	0.07	0.07
73/11/30	17 00	0.19	0.110	0.100		0.010	0.060	0.02	0.08	0.08
73/12/07	14 30	0.31	0.210	0.200		0.010	0.060	0.02	0.10	0.08
73/12/12	08 00	0.42	0.320	0.310		0.010	0.030	0.05	0.10	0.08
73/12/18	11 30	0.31	0.230	0.190		0.040	0.000	0.08	0.08	0.08
73/12/27	10 15	0.27	0.190	0.180		0.010	0.000	0.08	0.08	0.08
74/01/03	14 00	0.30	0.250	0.240		0.010	0.000	0.03	0.05	0.03
74/01/10	14 30	0.41	0.280	0.270		0.010	0.000	0.10	0.13	0.10
74/01/19	13 30	0.23	0.140	0.050		0.090	0.020	0.06	0.09	0.08
74/01/25	10 00	0.21	0.100	0.030		0.070	0.030	0.05	0.11	0.08
74/01/31	10 30	0.22	0.160	0.120		0.040	0.010	0.04	0.06	0.05
74/02/07	15 15	0.39	0.220	0.180		0.040	0.010	0.06	0.17	0.07
74/02/13	15 00	0.20	0.120	0.060		0.060	0.021	0.06	0.08	0.08
74/02/22	11 30	0.17	0.100	0.010		0.090	0.010	0.00	0.07	0.01
74/02/27	08 00	0.35	0.220	0.160		0.060	0.010	0.05	0.13	0.06
74/03/07	09 30	0.36	0.240	0.230		0.010	0.000	0.11	0.12	0.11
74/03/15	08 00	0.20	0.110	0.020		0.090	0.020	0.06	0.09	0.08
74/03/22	15 00	0.33	0.170	0.090		0.080	0.000	0.15	0.16	0.15
74/03/28	15 00	0.24	0.160	0.110		0.050	0.000	0.05	0.08	0.05
74/04/04	11 30	0.27	0.150	0.060		0.090	0.000	0.12	0.12	0.12
74/04/11	08 00	0.33	0.200	0.180		0.020	0.030	0.09	0.13	0.12

TABLE 138 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
74/04/18	08 00	0.37	0.240	0.140		0.100	0.000	0.07	0.13	0.07
74/04/22	15 00	0.40	0.220	0.160		0.060	0.021	0.11	0.18	0.13
74/05/03	14 30	0.28	0.230	0.160		0.070	0.000	0.05	0.05	0.05
74/05/10	07 45	0.24	0.180	0.090		0.090	0.000	0.05	0.06	0.05
74/05/17	13 10	0.28	0.180	0.150		0.030	0.010	0.07	0.10	0.08
74/05/20	14 30	0.40	0.360	0.330		0.030	0.000	0.03	0.04	0.03
74/05/30	14 00	0.28	0.190	0.130		0.060	0.000	0.08	0.09	0.08
74/06/10	13 00		0.450	0.440		0.010	0.010	0.12		0.13
74/06/24	11 00		0.120	0.090		0.030	0.000	0.10		0.10
74/07/08	10 00		0.120	0.110		0.010	0.010	0.00		0.01
74/07/22	11 00		0.170	0.170		0.000	0.010	0.00		0.00
74/08/05	10 30		0.360	0.300		0.060	0.000	0.03		0.03
74/08/19	10 30		0.050	0.010		0.040	0.000	0.03		0.03
74/08/30	10 15		0.070	0.050		0.020	0.000	0.00		0.00
74/09/16	10 15		0.200	0.140		0.060	0.000	0.24		0.24
74/09/26	09 30		0.200	0.180		0.020	0.000	0.02		0.02
74/10/10	10 30		0.330	0.310		0.020	0.000	0.00		0.00
74/10/24	12 30		0.160	0.110		0.050	0.000	0.00		0.00
74/11/15	10 15		0.050	0.020		0.030	0.000	0.08		0.08
74/12/02	11 15		0.040	0.010		0.030	0.000	0.13		0.13
74/12/13	13 00		0.180	0.130		0.050	0.000	0.07		0.07
75/01/02	11 00		0.210	0.200		0.010	0.000	0.10		0.10
75/01/13	11 30		0.120	0.090		0.030	0.010	0.13		0.14
75/01/29	09 30		0.120	0.120		0.000	0.010	0.11		0.12
75/02/19	12 30		0.000	0.000		0.000	0.010	0.06		0.07
75/03/06	10 45		0.150	0.120		0.030	0.000	0.23		0.23
75/03/19	11 30		0.150	0.140		0.010	0.000	0.13		0.13
75/04/02	12 30		0.060	0.050		0.010	0.000	0.07		0.07
75/04/21	11 00		0.230	0.230		0.000	0.010	0.07		0.08
75/05/01	11 30		0.150	0.150		0.000	0.000	0.05		0.05
75/05/12	11 10		0.240	0.230		0.010	0.000	0.02		0.02
75/05/29	10 30		0.300	0.250		0.050	0.000	0.03		0.03
75/06/09	10 30		0.250	0.230		0.020	0.000	0.03		0.03
75/06/30	12 00		0.040	0.040		0.000	0.000	0.11		0.11
75/07/08	09 30		0.210	0.200		0.010	0.000	0.01		0.01
75/07/29	16 30		0.210	0.180		0.030	0.010	0.00		0.01

TABLE 138 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/08/08	10 30		0.120	0.090		0.030	0.000	0.03		0.03
75/08/28	16 00		0.160	0.160		0.000	0.000	0.16		0.16
75/09/10	15 30		0.380	0.380		0.000	0.000	0.14		0.14
75/10/02	14 00		0.090	0.090		0.000	0.000	0.14		0.14
75/10/14	13 00		0.060	0.060		0.000	0.000	0.09		0.09
75/11/04	11 30		0.110	0.110		0.000	0.000	0.09		0.09
75/11/18	10 45		1.200	1.200		0.040	0.000	0.08		0.08
75/12/05	10 30		0.050	0.050		0.020	0.010	0.09		0.10
75/12/18	10 00		0.130	0.120		0.010	0.000	0.13		0.13
75/12/30	13 00		0.010	0.010		0.000	0.000	0.09		0.09
76/01/14	10 45		0.150	0.140		0.010	0.000	0.31		0.31
76/01/23	10 30		0.110	0.090		0.020	0.000	0.11		0.11
76/02/03	12 30		1.300	1.300		0.000	0.000	0.10		0.10
76/02/19	08 15		0.220	0.200		0.020	0.000	0.10		0.10
76/03/04	11 30		0.050	0.030		0.020	0.000	0.19		0.19
76/03/18	12 30		0.120	0.100		0.020	0.010	0.14		0.15
76/03/30	11 00		0.040	0.040		0.000	0.000	0.22		0.22
76/04/19	11 00		0.040	0.020		0.020	0.010	0.17		0.18
76/05/03	10 45		0.030	0.020		0.010	0.000	0.17		0.17
76/05/14	08 45		0.090	0.050		0.040	0.010	0.22		0.23
76/06/01	10 30		0.150	0.140		0.010	0.010	0.14		0.15
76/06/14	11 00		0.150	0.140		0.010	0.020	0.17		0.19
76/07/01	10 00		0.130	0.130		0.000	0.010	0.15		0.16
76/07/15	13 00		0.020	0.020		0.000	0.000	0.16		0.16
76/08/04	13 00		0.020	0.020		0.000	0.000	0.16		0.16
76/08/18	13 00		0.000	0.000		0.000	0.000	0.18		0.18
76/09/02	16 30		0.210	0.210		0.000	0.000	0.17		0.17
76/09/16	16 00		0.020	0.020		0.000	0.000	0.14		0.14
76/10/01	14 45	0.28	0.130	0.110		0.020			0.15	
76/10/19	15 00	0.25	0.140	0.140		0.000			0.11	0.02
76/11/09	09 30	0.10	0.010	0.010		0.000			0.09	
76/11/24	12 00	0.04	0.000	0.000		0.040			0.04	
76/12/07	09 00	0.08	0.000	0.000		0.000			0.08	
76/12/22	12 15	0.25	0.100	0.100		0.000			0.15	
77/01/13	08 45	0.01	0.000	0.000		0.000			0.01	0.06
77/01/27	10 30	0.18	0.110	0.100		0.010			0.07	

TABLE 138 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
77/02/10	09 30	0.30	0.240	0.240		0.000			0.06	
77/02/24	09 30	0.10	0.020	0.020		0.000			0.08	
77/03/07	09 30	0.14	0.050	0.050		0.000			0.09	
77/03/31	10 15	2.30	2.200	2.200		0.010			0.06	
77/04/12	10 30	0.60	0.540	0.540		0.000			0.06	
77/04/25	09 45	0.05	0.000	0.000		0.010			0.05	
77/05/18	10 00	0.18	0.150	0.150		0.000			0.03	
77/05/31	09 30	0.08	0.050	0.030		0.020			0.03	
77/06/16	08 30	0.07	0.000	0.000		0.000			0.07	0.09
77/06/29	15 35	0.12	0.070	0.070		0.000			0.05	
77/07/19	12 00	0.05	0.000	0.000		0.010			0.05	
77/08/03	12 00	0.18	0.160	0.160		0.000			0.02	
77/08/17	09 00	0.22	0.170	0.160		0.010			0.05	0.05
77/08/31	15 30	0.05	0.000	0.000		0.000			0.05	
77/09/15	11 00	0.38	0.270	0.270		0.000			0.11	
77/09/30	16 00	0.16	0.110	0.110		0.000			0.05	
77/10/14	10 30	0.21	0.100	0.090		0.010			0.11	0.11
77/10/28	10 45	0.27	0.200	0.190		0.010			0.07	
77/11/08	10 00	0.10	0.030	0.030		0.000			0.07	
77/11/21	11 45	0.19	0.090	0.090		0.000			0.10	
77/12/05	11 00	0.30	0.210	0.210		0.000			0.09	
77/12/21	14 00	0.17	0.100	0.100		0.000			0.07	
78/01/10	10 00	0.11	0.000	0.000		0.000			0.11	
78/01/23	10 45	0.06	0.000	0.000		0.000			0.06	
78/02/07	09 00	0.30	0.240	0.230		0.010			0.06	
78/02/23	09 00	0.17	0.100	0.100		0.000			0.07	
78/03/07	10 00	0.05	0.010	0.010		0.000			0.04	
78/03/21	11 30	0.19	0.130	0.130		0.000			0.06	
78/04/06	10 45	0.27	0.120	0.120		0.000			0.15	
78/04/27	10 30	0.32	0.240	0.210		0.030			0.08	
78/05/19	11 30	0.32	0.280	0.270		0.010			0.04	
78/05/31	11 30	0.29	0.240	0.240		0.000			0.05	
78/06/16	09 00	0.26	0.180	0.170		0.010			0.08	
78/06/30	08 15	0.26	0.180	0.180		0.000			0.08	0.10
78/07/07	11 20	0.24	0.090	0.090		0.000			0.15	
78/07/31	11 35	0.28	0.200	0.190		0.010			0.08	



TABLE 138 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
78/08/09	15 00	0.73	0.670	0.670		0.000			0.06	
78/08/22	08 05	0.11	0.060	0.060		0.000			0.05	
78/09/05	14 00	0.42	0.340	0.330		0.010			0.08	
78/09/20	08 20	0.36	0.310	0.300		0.010			0.05	
78/10/03	11 20					0.000			0.07	0.08
78/10/18	10 30					0.010			0.03	
78/11/03	08 00	0.27	0.170	0.170		0.000			0.10	
78/11/27	10 30	0.21	0.130	0.120		0.010			0.08	
78/12/14	14 50	0.15	0.060	0.050		0.010			0.09	

TABLE 139 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/01/06	10 30	0.33	0.280	0.170	0.110		0.000	0.05		0.05
72/04/12	10 00	0.17	0.150	0.090	0.060		0.000	0.30		0.30
72/07/14	10 30	0.12	0.080							0.04
72/10/27	11 30	0.22	0.170							0.05
73/01/15	10 30	0.42	0.230							0.19
73/04/18	12 00	0.88	0.800					0.08		0.04
73/07/12	09 00	0.23	0.170					0.06		0.02

TABLE 140 KOOTENAI RIVER AT LEONTA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/01/10	10 00	0.60	0.360	0.290	0.070		0.000	0.24		0.24
72/02/03	14 30	0.46	0.250	0.200	0.050		0.000	0.21		0.21
72/03/02	08 35	2.30	0.300	0.200	0.100		0.000	2.00		2.00
72/05/01	09 50	0.15	0.090	0.060	0.030		0.000	0.06		0.06
72/06/13	09 55	0.27	0.120	0.090	0.030		0.000	0.15		0.15
72/07/10	11 25	0.11	0.100	0.000	0.100		0.000	0.01		0.01
72/09/06	13 00	0.92	0.920	0.110	0.810		0.000	0.00		0.00
72/11/28	13 45	0.34	0.340	0.300	0.040	0.040	0.000	0.00		0.00
73/01/31	14 15	0.32	0.130	0.100	0.030	0.030	0.000	0.19		0.19
73/03/29	11 20	0.21	0.140	0.140		0.000	0.000	0.08	0.07	0.08
73/05/31	10 20	0.27	0.270	0.250		0.020	0.010	0.00	0.00	0.01

TABLE 141 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 1231R500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJEL MG/L	00605 ORG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/01/10	13 15	0.48	0.270	0.200	0.070		0.000	0.21		0.21
72/02/03	10 00	0.59	0.300	0.230	0.070		0.000	0.29		0.29
72/03/02	11 15	0.58	0.320	0.200	0.120		0.000	0.26		0.26
72/04/11	11 10	0.13	0.060	0.010	0.050		0.000	0.07		0.07
72/05/01	13 20	0.08	0.080	0.050	0.030		0.000	0.00		0.00
72/06/13	11 35	0.28	0.180	0.160	0.020		0.000	1.00		0.10
73/01/31	09 50		0.130							
73/02/22	11 05	0.23	0.070						0.16	
73/03/28	10 00	0.24	0.150						0.09	
73/04/26	12 15	0.22	0.220						0.00	
73/05/31	14 30	0.17	0.160						0.01	
73/07/10	09 45								0.02	
73/08/23	10 45	0.25	0.210						0.04	
73/09/27	12 00	0.30	0.210						0.09	
73/10/25	09 30	0.45	0.190						0.26	
73/12/11	09 15	0.24	0.050						0.19	
74/01/28	10 15	0.58	0.250						0.33	
74/03/25	10 30	0.46	0.370						0.09	
74/04/23	09 35	0.34	0.220							0.12
74/05/30	10 00	0.75	0.640							0.11
74/06/17	10 15	0.45	0.370						0.08	
74/07/22	12 45	0.29	0.290						0.00	
74/10/01	10 00	0.15	0.120						0.03	
74/11/20	10 00	0.16	0.080						0.08	
74/12/09	10 15	0.10	0.010						0.09	
75/01/20	11 00	0.27	0.180						0.09	
75/02/18	10 20	0.18	0.100						0.08	
75/03/18	10 00	0.36	0.170						0.19	
75/04/24	10 00	0.47	0.440						0.03	
75/05/22	10 30	0.38	0.370						0.01	
75/06/17	09 30	0.10	0.080						0.02	
75/07/15	11 00	0.23	0.210						0.02	
75/08/15	10 00	0.31	0.300						0.01	
75/09/23	10 00	0.22	0.140						0.08	
75/10/30	11 00	0.94	0.070						0.87	
75/11/21	10 30	3.60	3.500						0.10	

TABLE 141 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 1231R500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N MG/L	00625 TOT KJEL MG/L	00605 ORG N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/12/30	11 20	0.32	0.220						0.10	
76/01/28	10 30	0.44	0.310						0.13	
76/02/18	11 00	0.15	0.000						0.15	
76/03/31	10 20	0.51	0.210						0.30	
76/04/23	11 00	0.16	0.100						0.06	
76/05/26	10 10	0.17	0.130						0.04	
76/06/29	10 30	0.57	0.550						0.02	
76/07/22	10 45	0.33	0.260						0.07	
76/08/18	10 30	0.36	0.230						0.13	
76/09/23	10 15	0.21	0.110						0.10	
76/10/27	10 45	0.09	0.000						0.09	
76/11/29	11 00	0.27	0.160						0.11	
76/12/28	10 40	0.27	0.160						0.11	
77/01/19	10 30	0.13	0.050						0.08	
77/02/23	10 15	0.14	0.060						0.08	
77/03/30	11 00	0.06	0.020						0.04	
77/04/20	10 15	0.11	0.080						0.03	
77/05/25	10 45	0.01	0.000						0.01	
77/06/22	11 00	0.01	0.000						0.01	
77/07/19	11 45	0.22	0.200						0.02	
77/08/16	10 00	0.17	0.160						0.01	
77/09/13	10 00	0.01	0.000						0.01	
77/10/27	10 00	0.09	0.090						0.00	
77/11/23	10 30					0.000			0.10	
77/12/20	10 45					3.400			0.07	
78/01/30	10 00	1.50	1.400	1.400		0.010			0.08	
78/02/22	10 30	3.60	3.500	3.500		0.010			0.05	
78/03/28	10 15	0.57	0.430	0.420		0.010			0.14	
78/04/25	11 00	0.31	0.280	0.270		0.010			0.03	
78/05/30	10 00					0.030			0.02	
78/06/27	10 00	0.61	0.600	0.600		0.000			0.01	
78/07/27	10 00	0.37	0.350	0.350		0.000			0.02	
78/08/30	10 00	0.11	0.090	0.080		0.010			0.02	
78/09/27	12 00	0.35	0.300	0.300		0.000			0.05	
78/10/26	10 15	0.66	0.650	0.650		0.000			0.01	
78/11/21	10 00	0.38	0.320	0.320		0.000			0.06	

TABLE 141 KOUTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
78/12/19	10 30	0.21	0.120	0.120		0.000			0.09	

TABLE 142 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
72/01/05	14 00	0.26	0.180	0.140	0.040		0.000	0.08		0.08
72/02/08	12 00	0.38	0.330	0.290	0.040		0.000	0.05		0.05
72/03/13	09 30	0.55	0.500	0.360	0.140		0.000	0.05		0.05
72/04/10	09 30	0.44	0.370	0.340	0.030		0.000	0.07		0.07
72/05/01	13 30	0.19	0.190	0.140	0.050		0.000	0.00		0.00
72/06/06	09 30	0.18	0.180	0.140	0.040		0.000	0.00		0.00
72/07/10	09 00	0.05	0.050	0.020	0.030		0.000	0.00		0.00
72/08/14	09 30	0.34	0.330	0.320	0.010		0.000	0.01		0.01
72/09/22	10 45	0.29	0.290	0.270	0.020		0.000	0.00		0.00
72/10/12	09 50	0.11	0.110	0.090	0.020		0.000	0.00		0.00
72/11/10	08 45	0.12	0.120	0.110	0.010		0.000	0.00		0.00
72/12/14	11 30	0.17	0.130	0.110	0.020	0.020	0.000	0.04		0.04
73/01/15	13 45	0.25	0.180	0.090	0.090	0.090	0.000	0.07		0.07
73/02/16	11 30		0.100	0.080		0.020	0.010	0.00		0.00
73/03/23	10 00	0.18	0.170	0.160		0.010	0.010	0.00	0.01	0.00
73/04/27	12 00	0.13	0.130	0.100		0.030	0.000	0.00	0.00	0.00
73/05/18	13 30	0.28	0.260	0.200		0.060	0.010	0.01	0.02	0.02
73/06/15	12 00	0.11	0.100	0.090		0.010	0.000	0.01	0.01	0.01
73/07/13	12 30	0.18	0.180	0.150		0.030	0.000	0.00	0.00	0.00
73/08/10	10 00	0.00	0.000	0.000		0.000	0.000	0.00	0.00	0.00
73/09/21	13 00					0.580	0.000	0.03	0.03	0.03
73/10/19	12 15	0.59	0.460	0.450		0.010	0.000	0.10	0.13	0.10
73/11/20	12 30	0.22	0.140	0.130		0.010	0.010	0.02	0.08	0.03
73/12/11	15 30	0.16	0.110	0.110		0.000	0.000	0.07	0.05	0.07
74/01/25	12 30	0.58	0.350	0.290		0.060	0.020	0.10	0.23	0.12
74/02/22	10 00	0.36	0.280	0.160		0.120	0.000	0.03	0.08	0.03
74/03/22	08 00	1.00	0.980	0.690		0.290	0.021	0.03	0.05	0.05
74/04/22	13 30	0.38	0.370	0.190		0.180	0.000	0.00	0.01	0.00
74/05/09	14 00	0.41	0.400	0.200		0.200	0.000	0.02	0.01	0.02
74/06/10	14 30		0.760	0.720		0.040	0.010	0.12		0.13
74/07/08	11 30		0.400	0.330		0.070	0.000	0.00		0.00
74/08/05	12 30		0.070	0.080		0.070	0.000	0.08		0.08
74/08/30	13 15		0.420	0.400		0.020	0.000	0.00		0.00
74/10/24	09 45		0.170	0.110		0.060	0.000	0.00		0.00
74/11/18	14 30		0.030	0.020		0.010	0.000	0.00		0.00
74/12/13	08 00		0.260	0.200		0.060	0.000	0.01		0.01

TABLE 142 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00600 TOTAL N N MG/L	00625 TOT KJEL N MG/L	00605 ORG N N MG/L	00608 NH3+NH4- N DISS MG/L	00610 NH3+NH4- N TOTAL MG/L	00613 NO2-N DISS MG/L	00618 NO3-N DISS MG/L	00630 NO2&NO3 N-TOTAL MG/L	00631 NO2&NO3 N-DISS MG/L
75/01/14	10 00		0.130	0.120		0.010	0.010	0.02		0.03
75/02/19	08 15		0.140	0.140		0.000	0.010	0.03		0.04
75/03/20	11 00		0.050	0.040		0.010	0.000	0.01		0.01
75/05/09	10 50		0.390	0.380		0.010	0.000	0.02		0.02
75/05/29	13 45		0.400	0.400		0.000	0.000	0.00		0.00
75/06/09	08 45		0.400	0.400		0.000	0.000	0.02		0.02
75/07/08	13 00		0.040	0.040		0.000	0.000	0.00		0.00
75/08/07	10 45		0.080	0.080		0.000	0.000	0.00		0.00
75/09/15	14 00		0.210	0.210		0.000	0.000	0.01		0.01
75/10/02	09 00		0.100	0.100		0.000	0.000	0.01		0.01
75/11/19	10 30		0.080	0.080		0.000	0.010	0.01		0.02
75/12/19	13 00		0.090	0.070		0.020	0.000	0.06		0.06
76/01/13	10 45		0.210	0.180		0.030	0.000	0.03		0.03
76/02/19	11 00		0.110	0.090		0.020	0.000	0.00		0.00
76/04/13	11 30		0.660	0.640		0.020	0.000	0.07		0.07
76/05/10	12 30		0.130	0.110		0.020	0.000	0.11		0.11
76/05/17	10 30		0.230	0.220		0.010	0.010	0.06		0.07
76/06/01	12 00		0.130	0.120		0.010	0.000	0.01		0.01

TABLE 143 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/01/05	12 00			0.130
72/02/08	16 00			0.120
72/03/13	12 00			0.110
72/03/20	13 30	0.110		0.010
72/03/27	10 30	0.120		0.010
72/04/04	12 30	0.090		0.010
72/04/10	12 30	0.070		0.000
72/04/17	11 00	0.080		0.000
72/04/24	12 30	0.060		0.030
72/05/01	10 00	0.090		0.020
72/05/08	10 15	0.070		0.000
72/05/15	11 00	0.110		0.030
72/05/22	10 30	0.190		0.020
72/05/30	13 00	0.100		0.020
72/06/05	10 30	0.050		0.000
72/06/12	08 30	0.130		0.020
72/06/19	10 30	0.110		0.010
72/06/26	09 30	0.150		0.020
72/07/03	09 00	0.060		0.030
72/07/10	11 00	0.120		0.010
72/07/17	08 15	0.080		0.010
72/07/25	08 00	0.050		0.010
72/07/31	11 00	0.050		0.020
72/08/07	09 15	0.030		0.010
72/08/14	10 30	0.070		0.010
72/08/21	08 30	0.050		0.030
72/08/28	14 45	0.030		0.020
72/09/08	10 30	0.030		0.010
72/09/15	11 30	0.040		0.040
72/09/22	08 30	0.050		0.010
72/09/29	11 00	0.050		0.010
72/10/06	09 00	0.030		0.000
72/10/13	09 45	0.060		0.020
72/10/20	09 30	0.040		0.000
72/10/27	14 30	0.040		0.020
72/11/03	11 00	0.050		0.020

TABLE 143 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/11/10	11 00	0.040		0.020
72/11/17	11 30	0.060		0.020
72/11/24	10 30	0.050		0.020
72/12/01	12 00	0.050		0.010
72/12/08	10 30	0.060		0.020
72/12/15	11 00	0.060		0.020
72/12/22	12 00	0.080		0.030
72/12/29	10 00	0.100		0.050
73/01/05	10 00	0.150		0.080
73/01/12	09 30	0.220		0.130
73/01/19	10 00	0.180		0.120
73/01/26	10 30	0.180		0.120
73/02/02	10 00	0.160		0.120
73/02/09	11 30	0.190		0.150
73/02/16	10 00	0.190	0.150	0.140
73/02/23	09 30	0.210		0.160
73/03/02	10 30	0.230		0.180
73/03/09	08 30	0.230		0.190
73/03/16	12 30	0.250		0.200
73/03/23	11 30	0.260		0.190
73/03/30	13 00	0.230		0.170
73/04/05	12 30	0.200		0.150
73/04/13	12 30	0.190		0.170
73/04/20	11 00	0.170		0.110
73/04/27	10 30	0.110		0.060
73/05/04	13 30	0.080		0.030
73/05/11	15 00	0.070		0.040
73/05/18	11 00	0.080		0.040
73/05/25	09 00	0.060		0.040
73/06/01	10 00	0.100		0.040
73/06/08	11 00	0.070		0.030
73/06/15	10 00	0.070		0.040
73/06/22	11 30	0.050		0.070
73/06/29	11 00	0.150		0.030
73/07/05	11 00	0.060		0.050
73/07/13	09 30	0.040		0.030

TABLE 143 KOOTENAI RIVER BELOW LITBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
73/07/20	08 30	0.040		0.030
73/07/27	11 30	0.050		0.030
73/08/03	10 00	0.070		0.000
73/08/10	12 30	0.030		0.020
73/08/17	11 00	0.070		0.030
73/08/23	11 00	0.060		0.030
73/08/31	09 15	0.050		0.030
73/09/05	14 45	0.020		0.020
73/09/13	07 30	0.090		0.030
73/09/21	10 30	0.070		0.050
73/09/28	10 00	0.060		0.050
73/10/04	17 00	0.150		0.050
73/10/12	10 30	0.080		0.050
73/10/19	10 30	0.200		0.100
73/10/26	11 30	0.120		0.050
73/11/02	10 30	0.050		0.050
73/11/05	10 00	0.070		0.060
73/11/15	11 00	0.080		0.060
73/11/20	11 00	0.240		0.060
73/11/30	17 00	0.060		0.060
73/12/07	14 30	0.060		0.060
73/12/12	08 00	0.070		0.060
73/12/18	11 30	0.080		0.050
73/12/27	10 15	0.230		0.070
74/01/03	14 00	0.050		0.040
74/01/10	14 30	0.060		0.030
74/01/19	13 30	0.090		0.080
74/01/25	10 00	0.080		0.040
74/01/31	10 30	0.070		0.040
74/02/07	15 15	0.060		0.030
74/02/13	15 00	0.060		0.040

TABLE 143 KOOTENAI RIVER BELOW LITBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHO MG/L P
74/03/28	15 00	0.090		0.030
74/04/04	11 30	0.040		0.050
74/04/11	08 00	0.060		0.040
74/04/18	08 00	0.080		0.050
74/04/22	15 00	0.100		0.050
74/05/03	14 30	0.110		0.090
74/05/10	07 45	0.110		0.050
74/05/17	13 10	0.120		0.060
74/05/20	14 30	0.060		0.040
74/05/30	14 00	0.090		0.050
74/06/10	13 00	0.090		0.050
74/06/24	11 00	0.050		0.040
74/07/08	10 00	0.030		0.020
74/07/22	11 00	0.070		0.010
74/08/05	10 30	0.070		0.000
74/08/19	10 30	0.020		0.010
74/08/30	10 15	0.030		0.000
74/09/16	10 15	0.010		0.000
74/09/26	09 30	0.020		0.010
74/10/10	10 30	0.040		0.000
74/10/24	12 30	0.010		0.000
74/11/15	10 15	0.040		0.010
74/12/02	11 15	0.040		0.020
74/12/13	13 00	0.010		0.000
75/01/02	11 00	0.030		0.020
75/01/13	11 30	0.020		0.020
75/01/29	09 30	0.020		0.010
75/02/19	12 30	0.010		0.010
75/03/06	10 45	0.010		0.030
75/03/19	11 30	0.040		0.060
75/04/02	12 30	0.030		0.010
75/04/21	11 00	0.050		0.040
75/05/01	11 30	0.010		0.030
75/05/12	11 10	0.040		0.010
75/05/29	10 30	0.040		0.040
75/06/09	10 30	0.040		0.030

TABLE 143 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
75/06/30	12 00	0.040		0.020
75/07/08	09 30	0.030		0.000
75/07/29	16 30	0.070		0.010
75/08/08	10 30	0.030		0.010
75/08/28	16 00	0.040		0.030
75/09/10	15 30	0.060		0.030
75/10/02	14 00	0.060		0.040
75/10/14	13 00	0.070		0.100
75/11/04	11 30	0.060		0.050
75/11/18	10 45	0.040		0.040
75/12/05	10 30	0.040		0.030
75/12/18	10 00	0.030		0.030
75/12/30	13 00	0.050		0.040
76/01/14	10 45	0.070		0.060
76/01/23	10 30	0.080		0.030
76/02/03	12 30	0.040		0.020
76/02/19	08 15	0.050		0.040
76/03/04	11 30	0.030		0.020
76/03/18	12 30	0.040		0.020
76/03/30	11 00	0.060		0.010
76/04/19	11 00	0.040		0.010
76/05/03	10 45	0.020		0.000
76/05/14	08 45	0.020		0.010
76/06/01	10 30	0.040		0.010
76/06/14	11 00	0.030		0.010
76/07/01	10 00	0.030		0.040
76/07/15	13 00	0.040		0.010
76/08/04	13 00	0.020		0.010
76/08/18	13 00	0.030		0.010
76/09/02	16 30	0.030		0.000
76/09/16	16 00	0.000		0.000
76/10/01	14 45	0.000	0.000	0.010
76/10/19	15 00	0.000	0.000	0.000
76/11/09	09 30	0.010	0.000	0.000
76/11/24	12 00	0.020	0.010	0.020
76/12/07	09 00	0.010	0.000	0.000

TABLE 143 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
76/12/22	12 15	0.010	0.000	0.020
77/01/13	08 45	0.020	0.010	0.010
77/01/27	10 30	0.010	0.010	0.020
77/02/10	09 30	0.010	0.010	0.010
77/02/24	09 30	0.020	0.040	0.010
77/03/07	09 30	0.010	0.000	0.020
77/03/31	10 15	0.040	0.000	0.010
77/04/12	10 30	0.010	0.000	0.010
77/04/25	09 45	0.010	0.000	0.010
77/05/18	10 00	0.010	0.000	0.010
77/05/31	09 30	0.010	0.010	0.010
77/06/16	08 30	0.000	0.000	0.010
77/06/29	15 35	0.000	0.000	0.000
77/07/19	12 00	0.000	0.000	0.000
77/08/03	12 00	0.010	0.030	0.010
77/08/17	09 00	0.000	0.000	0.010
77/08/31	15 30	0.000	0.020	0.000
77/09/15	11 00	0.000	0.000	0.010
77/09/30	16 00	0.000	0.000	0.000
77/10/14	10 30	0.010	0.010	0.000
77/10/28	10 45	0.000	0.000	0.010
77/11/08	10 00	0.000	0.010	0.000
77/11/21	11 45	0.020	0.010	0.010
77/12/05	11 00	0.020	0.080	0.000
77/12/21	14 00	0.020	0.000	0.000
78/01/10	10 00	0.020	0.010	0.010
78/01/23	10 45	0.020	0.020	0.010
78/02/07	09 00	0.010	0.010	0.010
78/02/23	09 00	0.020	0.010	0.010
78/03/07	10 00	0.020	0.010	0.000
78/03/21	11 30	0.080	0.070	0.000
78/04/06	10 45	0.030	0.010	0.010
78/04/27	10 30	0.000	0.000	0.010
78/05/19	11 30	0.020	0.016	0.008
78/05/31	11 30	0.033	0.013	0.000
78/06/16	09 00	0.013	0.006	0.001

TABLE 143 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
78/06/30	08 15	0.003	0.000	0.000
78/07/07	11 20	0.002	0.001	0.001
78/07/31	11 35	0.004	0.003	0.001
78/08/09	15 00	0.004	0.001	0.001
78/08/22	08 05	0.003	0.002	0.000
78/09/05	14 00	0.004	0.003	0.000
78/09/20	08 20	0.004	0.002	0.001
78/10/03	11 20	0.002	0.000	0.000
78/10/18	10 30	0.002	0.001	0.000
78/11/03	08 00	0.002	0.002	0.001
78/11/27	10 30	0.008	0.004	0.001
78/12/14	14 50	0.004	0.004	0.002

TABLE 144 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/01/06	10 30	0.170	0.140	0.140
72/04/12	10 00	0.070	0.050	0.020
72/07/14	10 30	0.070	0.020	0.010
72/10/27	11 30	0.050		0.030
73/01/15	10 30	0.170		0.100
73/04/18	12 00	0.120		0.090
73/07/12	09 00	0.040		0.020

TABLE 145 KOOTENAI RIVER AT LEONIA IDAHO  
USGS STATION NO. 12305000

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/01/10	10 00	0.180	0.160	0.130
72/02/03	14 30	0.120	0.110	0.110
72/03/02	08 35	0.110	0.060	0.020
72/05/01	09 50	0.030	0.030	0.000
72/06/13	09 55	0.110	0.070	0.010
72/07/10	11 25	0.040	0.030	0.000
72/09/06	13 00	0.030	0.020	0.000
72/11/28	13 45	0.070	0.030	0.020
73/01/31	14 15	0.120	0.110	0.000
73/03/29	11 20	0.140	0.140	0.120
73/05/31	10 20	0.020	0.050	0.000

TABLE 146 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
72/01/10	13 15	0.110	0.090	0.060
72/02/03	10 00	0.150	0.140	0.130
72/03/02	11 15	0.120	0.050	0.020
72/04/11	11 10	0.050	0.020	0.001
72/05/01	13 20	0.030	0.010	0.010
72/06/13	11 35	0.080	0.070	0.000
73/01/31	09 50	0.120		
73/02/22	11 05	0.110		
73/03/28	10 00	0.120		
73/04/26	12 15	0.050		
73/05/31	14 30	0.020		
73/08/23	10 45	0.070		
73/09/27	12 00	0.040		
73/10/25	09 30	0.070		
73/12/11	09 15	0.040		
74/01/28	10 15	0.050		
74/03/25	10 30	0.030		
74/04/23	09 35	0.050		
74/05/30	10 00	0.060		
74/06/17	10 15	0.200		
74/07/22	12 45	0.030		
74/10/01	10 00	0.020		
74/11/20	10 00	0.040		
74/12/09	10 15	0.020		
75/01/20	11 00	0.020		
75/02/18	10 20	0.010		
75/03/18	10 00	0.030		
75/04/24	10 00	0.100		
75/05/22	10 30	0.010		
75/06/17	09 30	0.010		
75/07/15	11 00	0.010		
75/08/15	10 00	0.010		
75/09/23	10 00	0.030		
75/10/30	11 00	0.060		
75/11/21	10 30	0.050		
75/12/30	11 20	0.050		

TABLE 146 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS ORTHO MG/L P
76/01/28	10 30	0.030		
76/02/18	11 00	0.040		
76/03/31	10 20	0.030		
76/04/23	11 00	0.030		
76/05/26	10 10	0.050		
76/06/29	10 30	0.030		
76/07/22	10 45	0.010		
76/08/18	10 30	0.000		
76/09/23	10 15	0.000		
76/10/27	10 45	0.010		
76/11/29	11 00	0.010		
76/12/28	10 40	0.010		
77/01/19	10 30	0.010		
77/02/23	10 15	0.020		
77/03/30	11 00	0.000		
77/04/20	10 15	0.010		
77/05/25	10 45	0.000		
77/06/22	11 00	0.010		
77/07/19	11 45	0.000		
77/08/16	10 00	0.030		
77/09/13	10 00	0.000		
77/10/27	10 00	0.000		
77/11/23	10 30	0.010	0.010	
77/12/20	10 45	0.000	0.000	
78/01/30	10 00	0.020	0.010	
78/02/22	10 30	0.010	0.010	
78/03/28	10 15	0.020	0.000	
78/04/25	11 00	0.010	0.010	
78/05/30	10 00	0.000	0.000	
78/06/27	10 00	0.020	0.010	
78/07/27	10 00	0.000	0.000	
78/08/30	10 00	0.020	0.010	
78/09/27	12 00	0.010	0.000	
78/10/26	10 15	0.010	0.010	
78/11/21	10 00	0.010	0.010	
78/12/19	10 30	0.010	0.010	



TABLE 147 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHU MG/L P
72/01/05	14 00	0.020		0.010
72/02/08	12 00	0.020		0.000
72/03/13	09 30	0.080		0.000
72/04/10	09 30	0.040		0.010
72/05/01	13 30	0.040		0.010
72/06/06	09 30	0.040		0.000
72/07/10	09 00	0.010		0.000
72/08/14	09 30	0.030		0.010
72/09/22	10 45	0.020		0.010
72/10/12	09 50	0.010		0.010
72/11/10	08 45	0.000		0.010
72/12/14	11 30	0.000		0.000
73/01/15	13 45	0.050		0.010
73/02/16	11 30	0.030		0.000
73/03/23	10 00	0.010		0.000
73/04/27	12 00	0.110		0.000
73/05/18	13 30	0.050		0.000
73/06/15	12 00	0.010		0.000
73/07/13	12 30	0.000		0.000
73/08/10	10 00	0.040		0.010
73/09/21	13 00	0.040		0.030
73/10/19	12 15	0.060		0.010
73/11/20	12 30	0.000		0.030
73/12/11	15 30	0.030		0.020
74/01/25	12 30	0.320		0.010
74/02/22	10 00	0.040		0.000
74/03/22	08 00	0.080		0.010
74/04/22	13 30	0.090		0.020
74/05/09	14 00	0.120		0.000
74/06/10	14 30	0.070		0.010
74/07/08	11 30	0.020		0.010
74/08/05	12 30	0.030		0.000
74/08/30	13 15	0.040		0.000
74/10/24	09 45	0.000		0.000
74/11/18	14 30	0.000		0.000
74/12/13	08 00	0.010		0.000

TABLE 147 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00665	00666	00671
		PHOS-TOT MG/L P	PHOS-DIS MG/L P	PHOS-DIS URTHU MG/L P
75/01/14	10 00	0.000		0.010
75/02/19	08 15	0.020		0.020
75/03/20	11 00	0.020		0.010
75/05/09	10 50	0.120		0.020
75/05/29	13 45	0.030		0.020
75/06/09	08 45	0.010		0.000
75/07/08	13 00	0.020		0.000
75/08/07	10 45	0.010		0.000
75/09/15	14 00	0.020		0.010
75/10/02	09 00	0.010		0.000
75/11/19	10 30	0.000		0.000
75/12/19	13 00	0.000		0.000
76/01/13	10 45	0.000		0.000
76/02/19	11 00	0.010		0.000
76/04/13	11 30	0.220		0.000
76/05/10	12 30	0.150		0.000
76/05/17	10 30	0.050		0.010
76/06/01	12 00	0.040		0.010

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/03/20	13 30	100		1		0	0.00	0	0	1	0
72/03/27	10 30	0		6		0	0.00	20	0	1	0
72/04/04	12 30	0		0		7	0.00	10	0	2	0
72/04/10	12 30	100		6		0	0.00	40	1	1	0
72/04/17	11 00	0		0		100	0.00	20	0	1	0
72/04/24	12 30	0		0		0	0.00	0	0	1	0
72/05/01	10 00	0		0		0	0.00	10	1	1	0
72/05/08	10 15	0		0		0	0.00	10	1	1	0
72/05/15	11 00	0		3		0	0.00	20	0	0	0
72/05/22	10 30	20		10		0	0.00	10	0	1	0
72/05/30	13 00	20		0		0	0.00	10	0	1	0
72/06/05	10 30	20		0		0	0.00	30	0	0	0
72/06/12	08 30	30		0		0	0.00	30	1	2	0
72/06/19	10 30	0		2		0	0.00	9	1	1	0
72/06/26	09 30	60		0		0	10.00	0	0	2	0
72/07/03	09 00	30		10		0	0.00	10	2	2	0
72/07/10	11 00	30		1		0	0.00	20	0	1	0
72/07/17	08 15	2		1		0	0.00	10	0	1	0
72/07/25	08 00	20		0		0	0.00	10	0	1	0
72/07/31	11 00	20		1		0	0.00	10	1	2	0
72/08/07	09 15	10		0		0	0.00	10	1	1	0
72/08/14	10 30	0		2		0	0.00	0	1	1	0
72/08/21	08 30	20		5		0	0.00	10	0	0	0
72/08/28	14 45	10		0		0	0.00	0	0	1	0
72/09/08	10 30	20		0		0	0.00	0	1	1	0
72/09/15	11 30	10		1		0	0.00	10	0	0	0
72/09/22	08 30	10		1		0	0.00	10	1	1	0
72/09/29	11 00	10		0		0	0.00	20	0	1	0
72/10/06	09 00	10		0		0	0.00	50	0	1	0
72/10/13	09 45	0		10		0	0.00	0	1	1	0
72/10/20	09 30	10		0		0	0.00	10	1	1	0
72/10/27	14 30	10		0		0	0.00	10	1	2	0
72/11/03	11 00	0		0		0	10.00	0	0	0	0
72/11/10	11 00	10		3		0	0.00	20	0	1	0
72/11/17	11 30	10		1		0	0.00	10	0	1	0
72/11/24	10 30	10		0		0	0.00	10	0	0	0

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/12/01	12 00	10		0		0	0.00	0	0	0	0
72/12/08	10 30	0		0		0	0.00	10	0	0	0
72/12/15	11 00	0		0		0	0.00	10	0	0	0
72/12/22	12 00	10		0		0	0.00	0	0	0	0
72/12/29	10 00	10		0		0	0.00	30	0	1	0
73/01/05	10 00	10		3		0	0.00	20	0	1	0
73/01/12	09 30	0		4		0	0.00	50	0	1	0
73/01/19	10 00	10		5		0	0.00	0	0	0	0
73/01/26	10 30	20		1		0	0.00	10	0	0	0
73/02/02	10 00	10		2		0	0.00	20	0	0	0
73/02/09	11 30	0		2		0	0.00	10	0	10	0
73/02/16	10 00	20		0		0	0.00	10	0	20	0
73/02/23	09 30	20		0		0	0.00	20	0	10 K	0
73/03/02	10 30	20		1		0	0.00	20	0	10 K	0
73/03/09	08 30	10		3		0	0.00	10	0	1	0
73/03/16	12 30	20		3		0	0.00	20	0	0	0
73/03/23	11 30	10		0		0	0.00	0	0	0	0
73/03/30	13 00	10		2		0	0.00	0	0	0	0
73/04/05	12 30	10		0		0	0.00	10	0	0	0
73/04/13	12 30	10		2		0	0.00	10	0	0	0
73/04/20	11 00	10		1		0	0.00	0	0	0	0
73/04/27	10 30	10		3		0	0.00	10	0	0	0
73/05/04	13 30	10		2		0	0.00	10	0	0	0
73/05/11	15 00	20		0		0	0.00	30	0	0	0
73/05/18	11 00	20		0		0	0.00	20	0	0	0
73/05/25	09 00	20		2		0	0.00	10	0	0	0
73/06/01	10 00	30		2		0	0.00	10	0	0	0
73/06/08	11 00	10		4		0	0.00	0	0	0	0
73/06/15	10 00	20		0		0	0.00	30	0	0	0
73/06/22	11 30	10		0		0	0.00	10	0	1	0
73/06/29	11 00	20		3		0	0.00	20	0	0	0
73/07/05	11 00	10		0		0	0.00	10	0	0	0
73/07/13	09 30	0		2		0	0.00	10	1	1	0
73/07/20	08 30	10		0		0	0.00	20	1	1	0
73/07/27	11 30	20		6		0	0.00	10	0	0	0
73/08/03	10 00	30		0		0	0.00	10	0	0	0

TABLE 148 KOOTENAI RIVER BELOW LTBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORFT RETRIFVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DTSS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
73/08/10	12 30	20		0		100	0.00	10	0	1	0
73/08/17	11 00	30		0		100	0.00	10	1	2	0
73/08/23	11 00	40		8		0	0.00	10	0	0	0
73/08/31	09 15	20		14		0	0.00	10	0	0	0
73/09/05	14 45	20		7		0	0.00	10	0	0	0
73/09/13	07 30	10		0		0	0.00	10	0	0	0
73/09/21	10 30	10		0		0	0.00	10	1	1	0
73/09/28	10 00	0		1		0	0.00	5	0	0	0
73/10/04	17 00	10		4		0	0.00	10	0	0	0
73/10/12	10 30	10		4		100	0.00	10	0	0	0
73/10/19	10 30	10		0		0	0.00	9	0	1	0
73/10/26	11 30	0		0		0	0.00	30	0	0	0
73/11/02	10 30	20		2		0	0.00	7	0	0	0
73/11/05	10 00	20		1		0	0.00	10	0	0	0
73/11/15	11 00	10		0		0	0.00	20	0	0	0
73/11/20	11 00			1		0	0.00	9	0	0	0
73/11/30	17 00	20		0		0	0.00	0	0	1	0
73/12/07	14 30	10		1		0	0.00	7	0	0	0
73/12/12	08 00	10		0		0	0.00	10	0	0	0
73/12/18	11 30	20		0		0	0.00	8	0	0	0
73/12/27	10 15	10		2		0	0.00	5	0	1	0
74/01/03	14 00	10		3		0	0.00	4	0	0	0
74/01/10	14 30	10		2		0	0.00	0	0	0	0
74/01/19	13 30	10		3		0	0.00	5	0	0	0
74/01/25	10 00	10		3		0	0.00	9	0	0	0
74/01/31	10 30	10		1		0	0.00	5	0	0	0
74/02/07	15 15	30		0		0	0.00	10	0	0	0
74/02/13	15 00	20		0		0	0.00	10	1	1	0
74/02/22	11 30	10		9		0	0.00	30	1	1	0
74/02/27	08 00	20		2		0	0.00	20	0	0	0
74/03/07	09 30	10		2		0	0.00	10	0	0	0
74/03/15	08 00	10		10		0	0.00	10	0	0	0
74/03/22	15 00	10		5		0	0.00	10	0	2	0
74/03/28	15 00	20		4		0	0.00	10	1	1	0
74/04/04	11 30	0		1		0	0.00	7	0	0	0
74/04/11	08 00	0		4		0	0.00	10	0	0	0

TABLE 148 KOOTENAI RIVER BFLOW LTBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 RERYLIUM RE,DTSS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
74/04/18	08 00	20		1		0	0.00	20	0	1	0
74/04/22	15 00	20		3		0	0.00	30	0	10	0
74/05/03	14 30	20		2		0	0.00	10	1	1	0
74/05/10	07 45	20		12		100	0.00	20	0	0	20
74/05/17	13 10	20		3		0	0.00	7	0	0	10
74/05/20	14 30	10		0		0	0.00	9	0	0	50
74/05/30	14 00	50		1		0	0.00	10	0	1	0
74/06/10	13 00	50	400	0	1						
74/06/24	11 00	20	300	2	1						
74/07/08	10 00	30	500	3	3						
74/07/22	11 00	0	500	3	2						
74/08/05	10 30	0	200	0	1						
74/08/19	10 30	10	200	0	0						
74/08/30	10 15	30	300	0	1						
74/09/16	10 15	10	100	0	0						
74/09/26	09 30	10	400	1	1						
74/10/10	10 30	20	100	2	2						
74/10/24	12 30	10	200	0	0						
74/11/15	10 15	10	300	2	1						
74/12/02	11 15	20	200	2	2						
74/12/13	13 00	0	200	1	2						
75/01/02	11 00	10	200	1	0						
75/01/13	11 30	50	400	0	1						
75/01/29	09 30	0	300	1	1						
75/02/19	12 30	0	700	0	0						
75/03/06	10 45	20	200	2	3						
75/03/19	11 30	20	100 K	0	1						
75/04/02	12 30	10 K	100 K	3	1						
75/04/21	11 00	10	500	1	1						
75/05/01	11 30	10	100 K	1	1						
75/05/12	11 10	20	100 K	0	2						
75/05/29	10 30	20	100	1	1						
75/06/09	10 30	70	260	1	1						
75/06/30	12 00	30	220	2	1						
75/07/08	09 30	10	120	1	0						
75/07/29	16 30	20	140	0	0						

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINIUM AL,DISS UG/L	01105 ALUMINIUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLIUM RE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
75/08/08	10 30	30	80	0	1						
75/08/28	16 00	0	60	1	1						
75/09/10	15 30	0	150	0	0						
75/10/02	14 00	10	90	0	2						
75/10/14	13 00	10	110	2	2						
75/11/04	11 30	30	90	1	1						
75/11/18	10 45	20	60	1	1						
75/12/05	10 30	10	70	0	0						
75/12/18	10 00	0	80	0	0						
75/12/30	13 00	10	90	1	1						
76/01/14	10 45	0	70	2	2						
76/01/23	10 30	10	60	0	1						
76/02/03	12 30	10	60	1	1						
76/02/19	08 15	20	80	0	0						
76/03/04	11 30	10	110	0	0						
76/03/18	12 30	0	80	1	1						
76/03/30	11 00	0	70	1	1						
76/04/19	11 00	0	120	1	1						
76/05/03	10 45	0	150	0	0						
76/05/14	08 45	10	130	1	1						
76/06/01	10 30	0	70	0	0						
76/06/14	11 00	20	140	0	0						
76/07/01	10 00	20	110	0	0						
76/07/15	13 00	40	130	1	1						
76/08/04	13 00	20	90	1	1						
76/08/18	13 00	20	70	0	1						
76/09/02	16 30	20	260	1	0						
76/10/19	15 00	0	70	0	0						
77/01/13	08 45	10	60	0	0						
77/06/16	08 30	0	0	0	1						
77/08/17	09 00	20	30	0	0						
77/10/14	10 30	10	40	1	1						
78/06/30	08 15	20	70	2	1						
78/10/03	11 20	10	50	1	0						

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
72/03/20	13 30	0		0	1	1	9	20	350	12	0
72/03/27	10 30	0		0	0	7	19	20	620	14	0
72/04/04	12 30	0		0	0	0	40	20	650	28	0
72/04/10	12 30	0		3	3	2	20	50	410	18	0
72/04/17	11 00	0		0	1	1	20	40	380	9	0
72/04/24	12 30	0		1	1	2	8	40	220	12	0
72/05/01	10 00	0		0	0	1	8	20	170	9	0
72/05/08	10 15	0		0	1	1	4	30	700	6	0
72/05/15	11 00	0		1	1	2	6	50	440	9	0
72/05/22	10 30	0		0	0	1	14	20	1200	12	0
72/05/30	13 00	0		0	2	0	5	30	850	6	0
72/06/05	10 30	0		0	0	0	6	40	530	7	0
72/06/12	08 30	0		1	1	1	10	40	1500	8	0
72/06/19	10 30	0		2	2	1	10	70	1600	16	0
72/06/26	09 30	0		10	11	1	40	30	1100	12	0
72/07/03	09 00	0		0	0	2	15	40	780	13	0
72/07/10	11 00	0		0	0	1	9	40	730	18	0
72/07/17	08 15	0		0	0	1	4	30	450	7	0
72/07/25	08 00	0		1	1	3	5	20	310	4	0
72/07/31	11 00	0		1	1	2	11	30	190	6	0
72/08/07	09 15	0		0	0	2	40	60	170	6	10
72/08/14	10 30	0		0	0	1	10	40	90	5	0
72/08/21	08 30	0		0	0	1	5	20	100	7	0
72/08/28	14 45	0		1	1	2	7	20	120	4	10
72/09/08	10 30	0		0	2	3	10	40	160	8	0
72/09/15	11 30	0		0	1	0	3	50	120	2	0
72/09/22	08 30	0		1	1	0	5	10	200	5	0
72/09/29	11 00	0		1	1	3	4	30	40	4	0
72/10/06	09 00	0		0	0	1	9	10	40	11	0
72/10/13	09 45	0		0	0	2	10	20	60	3	0
72/10/20	09 30	0		2	3	4	4	20	200	4	0
72/10/27	14 30	0		2	2	1	9	10	120	4	0
72/11/03	11 00	0		0	0	1	3	90	230	4	0
72/11/10	11 00	0		1	1	3	9	50	90	2	0
72/11/17	11 30	0		1	1	2	50	60	240	2	0
72/11/24	10 30	0		0	0	2	30	20	310	3	0

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX=VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
72/12/01	12 00	0		1	1	16	16	30	400	5	0
72/12/08	10 30	0		0	0	1	16	60	340	2	0
72/12/15	11 00	0		0	1	2	12	9	220	2	0
72/12/22	12 00	0		1	1	1	20	9	270	4	0
72/12/29	10 00	0		0	1	0	10	0	310	4	0
73/01/05	10 00	0		1	1	1	15	9	320	4	0
73/01/12	09 30	0		0	0	1	16	20	320	6	0
73/01/19	10 00	0		0	2	1	12	20	660	7	0
73/01/26	10 30	0		1	1	1	21	30	160	5	0
73/02/02	10 00	0		0	0	1	90	9	180	10	0
73/02/09	11 30	0		0	40	1	30	20	150	100 K	0
73/02/16	10 00	0		1	50	1	30	20	270	200	0
73/02/23	09 30	0		0	100	1	30	50	230	100 K	0
73/03/02	10 30	0		2	2	1	2	50	160	2	0
73/03/09	08 30	0		2	2	0	12	20	200	4	0
73/03/16	12 30	0		0	0	4	8	40	180	4	0
73/03/23	11 30	0		0	4	1	6	40	250	3	0
73/03/30	13 00	0		0	1	1	4	30	220	3	0
73/04/05	12 30	0		1	3	2	15	9	240	2	0
73/04/13	12 30	0		0	1	2	11	9	180	4	0
73/04/20	11 00	0		1	1	3	4	40	130	4	0
73/04/27	10 30	0		1	1	1	7	9	130	3	0
73/05/04	13 30	0		0	1	6	8	20	80	3	0
73/05/11	15 00	0		1	1	2	6	30	70	4	0
73/05/18	11 00	0		0	0	6	10	30	70	2	0
73/05/25	09 00	0		0	1	4	30	40	130	4	0
73/06/01	10 00	0		1	1	1	21	250	290	6	0
73/06/08	11 00	0		1	1	3	40	9	400	71	0
73/06/15	10 00	0		0	0	3	12	9	270	3	0
73/06/22	11 30	0		1	1	4	13	9	350	5	0
73/06/29	11 00	0		1	1	4	10	30	300	6	0
73/07/05	11 00	0		0	1	5	14	30	280	3	0
73/07/13	09 30	0		0	1	1	10	20	300	2	0
73/07/20	08 30	0		0	1	2	4	40	180	2	0
73/07/27	11 30	0		0	0	2	8	40	140	5	0
73/08/03	10 00	0		0	0	3	6	40	140	3	0

TABLE 148 KOOTENAI RIVER BFLOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX=VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CU,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
73/08/10	12 30	0		0	0	1	4	20	20	6	0
73/08/17	11 00	0		2	3	1	6	20	180	200	0
73/08/23	11 00	0		0	0	2	6	10	190	1	0
73/08/31	09 15	0		0	0	1	21	20	130	9	0
73/09/05	14 45	0		0	0	0	15	10	340	7	0
73/09/13	07 30	0		0	0	2	33	0	100	10	0
73/09/21	10 30	0		0	1	2	6	20	70	5	0
73/09/28	10 00	0		0	0	0	3	10	80	7	0
73/10/04	17 00	0		0	0	0	5	60	160	13	0
73/10/12	10 30	0		0	0	1	5	20	140	6	0
73/10/19	10 30	0		0	0	4	6	20	80	6	0
73/10/26	11 30	0		0	0	0	2	0	130	5	0
73/11/02	10 30	0		0	0	1	5	10	80	7	0
73/11/05	10 00	0		0	0	0	2	10	100	3	0
73/11/15	11 00	0		0	0	1	1	10	110	2	0
73/11/20	11 00	0		0	0	2	6	40	160	2	0
73/11/30	17 00	0		0	0	2	3	60	130	9	0
73/12/07	14 30	0		0	0	0	2	30	100	4	0
73/12/12	08 00	0		0	1	0	6	10	80	5	0
73/12/18	11 30	0		1	2	0	7	10	110	8	0
73/12/27	10 15	0		0	0	0	4	10	60	6	0
74/01/03	14 00	0		0	0	4	9	10	90	5	0
74/01/10	14 30	0		0	10	0	4	30	80	1	0
74/01/19	13 30	0		0	0	5	10	10	180	7	0
74/01/25	10 00	0		0	0	7	11	40	170	11	0
74/01/31	10 30	0		0	0	4	10	20	100	12	0
74/02/07	15 15	0		1	1	1	10	10	100	4	0
74/02/13	15 00	0		0	0	1	26	30	210	120	0
74/02/22	11 30	0		0	1	4	5	20	80	7	0
74/02/27	08 00	0		0	1	2	11	30	120	15	0
74/03/07	09 30	0		0	0	3	6	20	90	5	0
74/03/15	08 00	0		1	2	2	3	40	100	35	0
74/03/22	15 00	0		0	0	1	10	40	180	24	0
74/03/28	15 00	0		0	0	2	9	20	200	9	0
74/04/04	11 30	0		0	0	3	5	20	170	9	0
74/04/11	08 00	0		0	0	2	5	30	150	18	10

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
74/04/18	08 00	0		0	0	1	5	40	130	15	0
74/04/22	15 00	0		0	50 K	2	10 K	20	90	100 K	10
74/05/03	14 30	0		0	0	1	13	80	140	40	10
74/05/10	07 45	0		0	50 K	2	10	50	240	100	0
74/05/17	13 10	0		0	0	2	2	80	450	0	0
74/05/20	14 30	0		0	0	0	0	20	210	0	0
74/05/30	14 00	0		0	0	1	11	70	320	9	0
74/06/10	13 00							30	230	100 K	
74/06/24	11 00							30	240	100 K	
74/07/08	10 00							10	390	100 K	
74/07/22	11 00							20	600	100 K	
74/08/05	10 30							10	360	100 K	
74/08/19	10 30							20	160	100 K	
74/08/30	10 15							20	120	100 K	
74/09/16	10 15							20	110	100 K	
74/09/26	09 30							20	140	100 K	
74/10/10	10 30							20	370	100 K	
74/10/24	12 30							10	110	100 K	
74/11/15	10 15							40	180	100 K	
74/12/02	11 15							60	160	100 K	
74/12/13	13 00							40	100	100 K	
75/01/02	11 00							10	80	100 K	
75/01/13	11 30							10	90	100 K	
75/01/29	09 30							0	100	100 K	
75/02/19	12 30							10	140	100 K	
75/03/06	10 45							10	290	100 K	
75/03/19	11 30							10	90	100 K	
75/04/02	12 30							10	90	100 K	
75/04/21	11 00							10	420	100 K	
75/05/01	11 30							0	40	100 K	
75/05/12	11 10							30	290	100 K	
75/05/29	10 30							20	340	100 K	
75/06/09	10 30							10	330	100 K	
75/06/30	12 00							10	220	100 K	
75/07/08	09 30							20	90	100 K	
75/07/29	16 30							0	110	100 K	

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
75/08/08	10 30							0	20	100 K	
75/08/28	16 00							40	70	100 K	
75/09/10	15 30							30	220	100 K	
75/10/02	14 00							20	120	0	
75/10/14	13 00							0	60	100 K	
75/11/04	11 30							0	60	100 K	
75/11/18	10 45							0	0	0	
75/12/05	10 30							0	70	100 K	
75/12/18	10 00							10	60	100 K	
75/12/30	13 00							10	30	100 K	
76/01/14	10 45							0	0	100 K	
76/01/23	10 30							10	40	100 K	
76/02/03	12 30							0	40	100 K	
76/02/19	08 15							0	20	100 K	
76/03/04	11 30							10	90	100 K	
76/03/18	12 30							0	160	100 K	
76/03/30	11 00							0	130	100 K	
76/04/19	11 00							60	340	100 K	
76/05/03	10 45							0	200	100 K	
76/05/14	08 45							20	200	100 K	
76/06/01	10 30							20	160	2	
76/06/14	11 00							20	140	2	
76/07/01	10 00							20	150	2	
76/07/15	13 00							20	140	100 K	
76/08/04	13 00							40	140	100 K	
76/08/18	13 00							10	80	100 K	
76/09/02	16 30							10	170	100 K	
76/10/19	15 00							10	60	100 K	
77/01/13	08 45							10	60	100 K	
77/06/16	08 30							30	20	100 K	
77/08/17	09 00							20	30	100 K	
77/10/14	10 30							70	1200	100 K	
78/06/30	08 15							40	90	5	
78/10/03	11 20							40	90	15	

TABLE 148 KOOTENAI RIVER BELOW LTBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
72/03/20	13 30	10.0	60.0	0.1	0.1	0		5	0.0	160	1
72/03/27	10 30	40.0	60.0	0.1	0.1	0		4	0.0	120	1
72/04/04	12 30	10.0	30.0	0.1	0.2	0		4	0.0	80	2
72/04/10	12 30	30.0	40.0	0.1	0.1	2		7	2.0	140	0
72/04/17	11 00	20.0	20.0	0.2	0.2	9		1	0.0	160	0
72/04/24	12 30	0.0	30.0	0.2	0.2	2		3	0.0	150	0
72/05/01	10 00	10.0	20.0	0.0	0.0	0		6	0.0	170	0
72/05/08	10 15	0.0	30.0	0.2	0.2	1		2	1.0	140	0
72/05/15	11 00	0.0	50.0	0.0	0.0	2		4	0.0	150	1
72/05/22	10 30	10.0	50.0	0.0	0.0	3		2	0.0	90	0
72/05/30	13 00	10.0	60.0	0.2	0.2	0		0	0.0	110	0
72/06/05	10 30	10.0	40.0	0.1	0.1	1		0	0.0	110	1
72/06/12	08 30	0.0	60.0	0.0	0.1	0		2	0.0	0	0
72/06/19	10 30	0.0	60.0	0.0	0.0	0		4	0.0	130	1
72/06/26	09 30	0.0	60.0	0.0	0.1	1		0	0.0	110	0
72/07/03	09 00	0.0	50.0	0.0	0.0	0		3	0.0	90	1
72/07/10	11 00	10.0	30.0	0.1	0.1	0		4	0.0	90	0
72/07/17	08 15	30.0	50.0	0.0	0.0	0		6	0.0	110	0
72/07/25	08 00	0.0	30.0	0.0	0.0	0		3	0.0	80	0
72/07/31	11 00	0.0	20.0	0.2	0.2	0		3	0.0	110	1
72/08/07	09 15	0.0	20.0	0.2	0.2	1		3	0.0	100	0
72/08/14	10 30	0.0	40.0	0.3	0.3	1		4	0.0	50	1
72/08/21	08 30	10.0	20.0	0.0	0.1	0		2	1.0	80	0
72/08/28	14 45	0.0	10.0	0.2	0.3	0		2	0.0	50	0
72/09/08	10 30	10.0	30.0	0.4	0.4	1		4	0.0	90	0
72/09/15	11 30	10.0	30.0	0.2	0.3	0		3	1.0	120	0
72/09/22	08 30	0.0	20.0	0.0	0.2	1		2	0.0	120	0
72/09/29	11 00	0.0	20.0	0.1	0.1	0		8	0.0	150	0
72/10/06	09 00	10.0	30.0	0.1	0.1	0		0	0.0	90	1
72/10/13	09 45	20.0	40.0	0.2	0.2	0		4	1.0	120	1
72/10/20	09 30	30.0	40.0	0.1	0.2	1		0	0.0	130	0
72/10/27	14 30	20.0	30.0	0.2	0.2	0		2	4.0	120	0
72/11/03	11 00	20.0	60.0	0.3	0.3	0		0	0.0	100	0
72/11/10	11 00	30.0	60.0	0.1	0.1	1		9	0.0	120	0
72/11/17	11 30	80.0	110.0	0.0	0.0	1		2	2.0	140	1
						1		0	2.0	160	2

TABLE 148 KOOTENAI RIVER BELOW LTBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
72/12/01	12 00	200.0	220.0	0.0	0.1	0		3	0.0	150	0
72/12/08	10 30	200.0	210.0	0.0	0.0	0		1	0.0	150	1
72/12/15	11 00	220.0	220.0	0.1	0.3	1		0	0.0	160	0
72/12/22	12 00	190.0	200.0	0.0	0.0	0		0	1.0	150	0
72/12/29	10 00	220.0	240.0	0.0	0.0	0		0	0.0	150	0
73/01/05	10 00	120.0	150.0	0.0	0.0	1		2	0.0	170	0
73/01/12	09 30	100.0	110.0	0.0	0.0	1		1	0.0	160	0
73/01/19	10 00	90.0	100.0	0.1	0.1	0		0	1.0	150	0
73/01/26	10 30	80.0	120.0	0.1	0.1	1		0	1.0	150	0
73/02/02	10 00	90.0	100.0	0.2	0.2	1		4	0.0	140	0
73/02/09	11 30	60.0	80.0	0.5	0.6	2		2	0.0	160	0
73/02/16	10 00	40.0	70.0	0.0	0.1	0		1	0.0	170	0
73/02/23	09 30	50.0	80.0	0.0	0.0	0		2	0.0	170	1
73/03/02	10 30	40.0	70.0	0.0	0.0	1		1	0.0	180	0
73/03/09	08 30	30.0	400.0	0.0	0.1	1		2	3.0	160	0
73/03/16	12 30	30.0	50.0	0.1	0.1	0		0	1.0	180	0
73/03/23	11 30	50.0	60.0	0.0	0.0	1		1	0.0	170	1
73/03/30	13 00	60.0	60.0	0.0	0.0	0		0	1.0	170	0
73/04/05	12 30	50.0	70.0	0.1	0.1	0		6	0.0	160	0
73/04/13	12 30	30.0	40.0	0.0	0.0	0		2	0.0	180	0
73/04/20	11 00	30.0	80.0	0.0	0.0	1		2	0.0	180	0
73/04/27	10 30	0.0	30.0	0.1	0.1	1		2	0.0	160	0
73/05/04	13 30	0.0	10.0	0.1	0.1	1		2	0.0	180	1
73/05/11	15 00	0.0	10.0	0.0	0.0	1		2	1.0	160	0
73/05/18	11 00	0.0	10.0	0.2	0.2	1		2	0.0	200	1
73/05/25	09 00	0.0	10.0	0.0	0.4	1		5	1.0	160	1
73/06/01	10 00	0.0	0.0	0.0	0.0	0		7	0.0	150	0
73/06/08	11 00	0.0	20.0	0.0	0.0	0		4	0.0	130	0
73/06/15	10 00	0.0	20.0	0.0	0.0	0		1	0.0	130	1
73/06/22	11 30	0.0	10.0	0.0	0.0	0		2	0.0	130	0
73/06/29	11 00	0.0	10.0	0.0	0.0	0		1	0.0	130	0
73/07/05	11 00	0.0	10.0	0.0	0.0	0		2	0.0	130	0
73/07/13	09 30	0.0	10.0	0.0	0.0	0		1	0.0	110	0
73/07/20	08 30	0.0	20.0	0.0	0.0	0		1	0.0	100	0
73/07/27	11 30	10.0	10.0	0.0	0.1	0		1	0.0	120	0
73/08/03	10 00	0.0	10.0	0.0	0.0	0		1	0.0	120	0

TABLE 148 KOOTENAI RIVER BELOW LTBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
73/08/10	12 30	0.0	0.0	0.0	0.1	0	0	3	0.0	100	1
73/08/17	11 00	0.0	10.0	0.0	0.0	0	0	1	0.0	130	0
73/08/23	11 00	0.0	10.0	0.0	0.0	0	0	5	0.0	120	0
73/08/31	09 15	10.0	20.0	0.0	0.0	1	0	0	0.0	100	0
73/09/05	14 45	0.0	30.0	0.0	0.0	1	0	0	0.0	100	0
73/09/13	07 30	10.0	20.0	0.0	0.0	0	0	0	0.0	110	0
73/09/21	10 30	0.0	30.0	0.0	0.1	0	0	3	0.0	80	0
73/09/28	10 00	10.0	20.0	0.0	0.0	0	0	0	0.0	100	0
73/10/04	17 00	20.0	20.0	0.0	0.1	0	0	1	0.0	120	0
73/10/12	10 30	0.0	20.0	0.0	0.0	0	0	1	0.0	120	0
73/10/19	10 30	0.0	0.0	0.0	0.0	0	0	0	0.0	120	0
73/10/26	11 30	0.0	0.0	0.0	0.0	2	0	0	0.0	110	0
73/11/02	10 30	0.0	0.0	0.0	0.0	1	0	0	0.0	110	0
73/11/05	10 00	0.0	0.0	0.1	0.1	0	0	2	0.0	110	0
73/11/15	11 00	0.0	20.0	0.0	0.1	0	0	0	0.0	140	0
73/11/20	11 00	30.0	100.0	0.0	0.0	0	0	0	0.0	140	0
73/11/30	17 00	0.0	40.0	0.0	0.0	1	0	2	0.0	170	0
73/12/07	14 30	0.0	10.0	0.0	0.0	1	0	2	0.0	170	0
73/12/12	08 00	0.0	10.0	0.0	0.0	1	0	2	0.0	150	0
73/12/18	11 30	0.0	10.0	0.0	0.0	1	0	2	1.0	140	0
73/12/27	10 15	0.0	20.0	0.0	0.0	0	0	0	0.0	150	0
74/01/03	14 00	10.0	10.0	0.0	0.0	0	0	1	0.0	130	0
74/01/10	14 30	0.0	10.0	0.0	0.0	0	0	0	0.0	140	0
74/01/19	13 30	0.0	20.0	0.0	0.0	0	0	1	0.0	150	0
74/01/25	10 00	0.0	20.0	0.0	0.0	1	0	4	0.0	120	0
74/01/31	10 30	0.0	0.0	0.0	0.0	1	0	2	0.0	150	0
74/02/07	15 15	20.0	20.0	0.0	0.0	0	0	3	0.0	120	0
74/02/13	15 00	0.0	10.0	0.0	0.0	1	0	2	0.0	120	0
74/02/22	11 30	0.0	0.0	0.0	0.0	0	0	0	1.0	120	0
74/02/27	08 00	0.0	0.0	0.0	0.0	1	0	0	1.0	120	0
74/03/07	09 30	0.0	0.0	0.0	0.0	0	0	2	0.0	140	0
74/03/15	08 00	10.0	20.0	0.0	0.0	1	0	3	0.0	140	0
74/03/22	15 00	10.0	30.0	0.0	0.0	1	0	2	0.0	150	0
74/03/28	15 00	10.0	40.0	0.0	0.0	0	0	0	0.0	130	0
74/04/04	11 30	20.0	60.0	0.0	0.0	0	0	2	0.0	130	0
74/04/11	08 00	30.0	30.0	0.1	0.1	0	0	0	0.0	160	0

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
74/04/18	08 00	40.0	60.0	0.0	0.0	1	0	0	1.0	120	0
74/04/22	15 00	50.0	50.0	0.0	0.0	0	0	3	0.0	130	0
74/05/03	14 30	0.0	40.0	0.0	0.0	1	0	0	0.0	160	0
74/05/10	07 45	10.0	30.0	0.0	0.0	1	0	0	0.0	170	0
74/05/17	13 10	20.0	30.0	0.0	0.2	0	0	0	0.0	180	0
74/05/20	14 30	0.0	0.0	0.0	0.0	0	0	0	0.0	30	0
74/05/30	14 00	0.0	20.0	0.0	0.0	0	0	1	0.0	90	0
74/06/10	13 00	0.0	0.0	0.0	0.0	2	0	0	0.0	0	0
74/06/24	11 00	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/07/08	10 00	20.0	10.0	0.0	0.0	0	0	0	0.0	0	0
74/07/22	11 00	40.0	60.0	0.0	0.0	0	0	0	0.0	0	0
74/08/05	10 30	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/08/19	10 30	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/08/30	10 15	0.0	0.0	0.0	0.0	0	1	0	0.0	0	0
74/09/16	10 15	0.0	0.0	0.0	0.0	0	1	0	0.0	0	0
74/09/26	09 30	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/10/10	10 30	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/10/24	12 30	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0
74/11/15	10 15	0.0	30.0	0.0	0.0	0	0	0	0.0	0	0
74/12/02	11 15	0.0	50.0	0.0	0.0	0	2	0	0.0	0	0
74/12/13	13 00	0.0	30.0	0.0	0.0	1	0	0	0.0	0	0
75/01/02	11 00	0.0	0.0	0.0	0.0	1	2	0	0.0	0	0
75/01/13	11 30	0.0	20.0	0.0	0.0	0	1	0	0.0	0	0
75/01/29	09 30	0.0	20.0	0.0	0.0	0	0	0	0.0	0	0
75/02/19	12 30	0.0	30.0	0.0	0.0	1	1	0	0.0	0	0
75/03/06	10 45	0.0	0.0	0.0	0.0	0	2	0	0.0	0	0
75/03/19	11 30	10.0	0.0	0.0	0.0	0	0	0	0.0	0	0
75/04/02	12 30	20.0	30.0	0.0	0.0	0	0	0	0.0	0	0
75/04/21	11 00	40.0	110.0	0.0	0.0	1	0	0	0.0	0	0
75/05/01	11 30	2.0	60.0	0.0	0.0	0	3	0	0.0	0	0
75/05/12	11 10	20.0	60.0	0.0	0.0	0	1	0	0.0	0	0
75/05/29	10 30	20.0	20.0	0.0	0.0	0	1	0	0.0	0	0
75/06/09	10 30	0.0	30.0	0.0	0.0	2	1	0	0.0	0	0
75/06/30	12 00	0.0	10.0	0.0	0.0	1	2	0	0.0	0	0
75/07/08	09 30	0.0	20.0	0.0	0.0	1	0	0	0.0	0	0
75/07/29	16 30	0.0	0.0	0.0	0.0	1	2	0	0.0	0	0



TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CDE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MU,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
75/08/08	10 30	0.0	0.0			0	0				
75/08/28	16 00	0.0	10.0			1	0				
75/09/10	15 30	0.0	10.0			0	1				
75/10/02	14 00	10.0	30.0			1	2				
75/10/14	13 00	10.0	70.0			1	1				
75/11/04	11 30	5.0	20.0			0	1				
75/11/18	10 45	10.0	50.0			0	2				
75/12/05	10 30	0.0	20.0			0	2				
75/12/18	10 00	0.0	10.0			1	2				
75/12/30	13 00	0.0	20.0			1	1				
76/01/14	10 45	0.0	10.0			0	0				
76/01/23	10 30	0.0	10.0			0	1				
76/02/03	12 30	0.0	20.0			0	1				
76/02/19	08 15	0.0	30.0			1	1				
76/03/04	11 30	10.0	30.0			0	1				
76/03/18	12 30	30.0	50.0			1	1				
76/03/30	11 00	20.0	40.0			1	1				
76/04/19	11 00	60.0	90.0			0	0				
76/05/03	10 45	50.0	60.0			0	1				
76/05/14	08 45	0.0	50.0			1	1				
76/06/01	10 30	0.0	10.0			0	2				
76/06/14	11 00	0.0	0.0			1	1				
76/07/01	10 00	0.0	10.0			0	1				
76/07/15	13 00	0.0	10.0			0	1				
76/08/04	13 00	0.0	10.0			0	0				
76/08/18	13 00	0.0	0.0			0	1				
76/09/02	16 30	0.0	0.0			0	0				
76/10/19	15 00	0.0	10.0			0	0				
77/01/13	08 45	0.0				0	0				
77/06/16	08 30	0.0	0.0			0	0				
77/08/17	09 00	0.0	4.0			0	0				
77/10/14	10 30	0.0	4.0			0	3				
78/06/30	08 15	0.0	10.0			3	5				
78/10/03	11 20	0.0	0.0			0	4				

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CDE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/03/20	13 30	20	40
72/03/27	10 30	20	60
72/04/04	12 30	30	90
72/04/10	12 30	20	80
72/04/17	11 00	20	40
72/04/24	12 30	20	90
72/05/01	10 00	20	60
72/05/08	10 15	20	120
72/05/15	11 00	8	90
72/05/22	10 30	20	320
72/05/30	13 00	20	50
72/06/05	10 30	60	70
72/06/12	08 30	0	90
72/06/19	10 30	10	90
72/06/26	09 30	0	180
72/07/03	09 00	30	90
72/07/10	11 00	0	150
72/07/17	08 15	0	40
72/07/25	08 00	0	30
72/07/31	11 00	10	30
72/08/07	09 15	0	30
72/08/14	10 30	0	50
72/08/21	08 30	20	130
72/08/28	14 45	0	50
72/09/08	10 30	10	50
72/09/15	11 30	0	20
72/09/22	08 30	0	10
72/09/29	11 00	10	30
72/10/06	09 00	0	30
72/10/13	09 45	20	20
72/10/20	09 30	20	30
72/10/27	14 30	10	90
72/11/03	11 00	30	50
72/11/10	11 00	20	50
72/11/17	11 30	0	60
72/11/24	10 30	0	3

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090	01092
		ZINC ZN,DISS UG/L	ZINC ZN,TOT UG/L
72/12/01	12 00	10	50
72/12/08	10 30	20	40
72/12/15	11 00	10	30
72/12/22	12 00	0	50
72/12/29	10 00	0	50
73/01/05	10 00	20	20
73/01/12	09 30	30	40
73/01/19	10 00	20	40
73/01/26	10 30	20	50
73/02/02	10 00	30	70
73/02/09	11 30	20	30
73/02/16	10 00	20	50
73/02/23	09 30	0	60
73/03/02	10 30	20	40
73/03/09	08 30	20	40
73/03/16	12 30	20	20
73/03/23	11 30	30	30
73/03/30	13 00	20	30
73/04/05	12 30	10	20
73/04/13	12 30	10	20
73/04/20	11 00	20	30
73/04/27	10 30	10	10
73/05/04	13 30	20	20
73/05/11	15 00	20	20
73/05/18	11 00	0	20
73/05/25	09 00	10	20
73/06/01	10 00	0	40
73/06/08	11 00	10	110
73/06/15	10 00	10	20
73/06/22	11 30	10	20
73/06/29	11 00	10	20
73/07/05	11 00	10	20
73/07/13	09 30	10	30
73/07/20	08 30	10	20
73/07/27	11 30	10	20
73/08/03	10 00	0	10

TABLE 148 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090	01092
		ZINC ZN,DISS UG/L	ZINC ZN,TOT UG/L
73/08/10	12 30	10	40
73/08/17	11 00	30	90
73/08/23	11 00	20	20
73/08/31	09 15	20	100
73/09/05	14 45	20	80
73/09/13	07 30	10	50
73/09/21	10 30	0	20
73/09/28	10 00	10	50
73/10/04	17 00	20	20
73/10/12	10 30	20	40
73/10/19	10 30	20	30
73/10/26	11 30	10	10
73/11/02	10 30	30	20
73/11/05	10 00	30	30
73/11/15	11 00	30	30
73/11/20	11 00	20	20
73/11/30	17 00	20	100
73/12/07	14 30	20	20
73/12/12	08 00	20	20
73/12/18	11 30	0	20
73/12/27	10 15	20	30
74/01/03	14 00	10	30
74/01/10	14 30	20	20
74/01/19	13 30	10	10
74/01/25	10 00	10	10
74/01/31	10 30	10	30
74/02/07	15 15	20	20
74/02/13	15 00	10	250
74/02/22	11 30	10	10
74/02/27	08 00	10	20
74/03/07	09 30	20	30
74/03/15	08 00	20	30
74/03/22	15 00	0	130
74/03/28	15 00	20	20
74/04/04	11 30	20	30
74/04/11	08 00	20	30

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12701933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
74/04/18	08 00	10	10
74/04/22	15 00	0	40
74/05/03	14 30	50	300
74/05/10	07 45	10	230
74/05/17	13 10	20	50
74/05/20	14 30	10	30
74/05/30	14 00	10	60
74/06/10	13 00	20	30
74/06/24	11 00	10	20
74/07/08	10 00	0	30
74/07/22	11 00	10	20
74/08/05	10 30	0	20
74/08/19	10 30	10	20
74/08/30	10 15	10	0
74/09/16	10 15	10	10
74/09/26	09 30	0	10
74/10/10	10 30	30	30
74/10/24	12 30	10	20
74/11/15	10 15	20	20
74/12/02	11 15	20	20
74/12/13	13 00	0	20
75/01/02	11 00	10	30
75/01/13	11 30	0	30
75/01/29	09 30	10	30
75/02/19	12 30	6	20
75/03/06	10 45	0	40
75/03/19	11 30	20	20
75/04/02	12 30	10	30
75/04/21	11 00	6	30
75/05/01	11 30	0	0
75/05/12	11 10	0	0
75/05/29	10 30	0	20
75/06/09	10 30	0	20
75/06/30	12 00	10	20
75/07/08	09 30	0	20
75/07/29	16 30	0	20

TABLE 148 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12701933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
75/08/08	10 30	0	20
75/08/28	16 00	0	20
75/09/10	15 30	0	0
75/10/02	14 00	10	10
75/10/14	13 00	10	130
75/11/04	11 30	2	0
75/11/18	10 45	10	0
75/12/05	10 30	0	0
75/12/18	10 00	0	0
75/12/30	13 00	0	10
76/01/14	10 45	0	10
76/01/23	10 30	0	10
76/02/03	12 30	0	10
76/02/19	08 15	0	30
76/03/04	11 30	0	20
76/03/18	12 30	10	10
76/03/30	11 00	10	10
76/04/19	11 00	0	50
76/05/03	10 45	0	50
76/05/14	08 45	10	10
76/06/01	10 30	0	20
76/06/14	11 00	0	20
76/07/01	10 00	0	20
76/07/15	13 00	0	20
76/08/04	13 00	0	0
76/08/18	13 00	0	10
76/09/02	16 30	0	10
76/10/19	15 00	10	0
77/01/13	08 45	10	
77/06/16	08 30	0	10
77/08/17	09 00	2	20
77/10/14	10 30	0	0
78/06/30	08 15	0	10
78/10/03	11 20	10	20

TABLE 148 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
72/01/06	10 30		3			1	1	10	40	4	
72/02/09	09 00							10			
72/03/16	10 00							50			
72/04/12	10 00		0			1	20	50	550	13	
72/05/02	10 30							30			
72/06/08	11 30							30			

TABLE 148 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
72/01/06	10 30			0.2	0.2						
72/02/09	09 00			0.3							
72/03/16	10 00			0.1							
72/04/12	10 00			0.2							
72/05/02	10 30			0.1							
72/06/08	11 30			0.2							

TABLE 148 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/01/06	10 30	20	20
72/02/09	09 00	20	
72/03/16	10 00	10	
72/04/12	10 00	20	50
72/05/02	10 30	20	
72/06/08	11 30	8	

TABLE 148 KOOTENAI RIVER AT LEONIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MU,DISS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
72/01/10	10 00			0.4							0
72/02/03	14 30			0.3							
72/03/02	08 35			0.3							
72/04/11	14 05		70.0		0.2						
72/05/01	09 50			0.1							
72/06/13	09 55			0.2							

TABLE 149 KOOTENAI RIVER AT LIBBY, MT.  
USGS STATION NO. 12303000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINIUM AL,DISS UG/L	01105 ALUMINIUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/01/06	10 30			8	8				0	1 K	2
72/04/12	10 00			5	6				0	0	0

TABLE 150 KOOTENAI RIVER AT LEONTIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/01/10	10 00			0	1 K				1	1 K	0
72/04/11	14 05				0					1	

TABLE 150 KOOTENAI RIVER AT LEONTIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DISS UG/L
72/01/10	10 00		2			0	1 K	30		3	
72/02/03	14 30					1		30			
72/03/02	08 35					1		20			
72/04/11	14 05		0				4		430	6	
72/05/01	09 50					3		20			
72/06/13	09 55					1		20			

TABLE 150 KOOTENAI RIVER AT LEONTIA IDAHO  
USGS STATION NO. 12305000

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/01/10	10 00	10	20
72/02/03	14 30	20	
72/03/02	08 35	10	
72/04/11	14 05		80
72/05/01	09 50	20	

TABLE 151 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/01/10	13 15			0	3				1	1 K	0
72/04/11	11 10			3	0				2	2	0
73/03/28	10 00			3	2				2	10 K	0
73/07/10	09 45			2	0				4	10 K	0
73/08/23	10 45			0	0				1	10 K	0
73/09/27	12 00			0	4				3	10 K	0
73/12/11	09 15			1	4				2	10 K	0
74/03/25	10 30			2					0	10 K	0
74/06/17	10 15			0	1				0	10 K	0
74/12/09	10 15			1	1				0	10 K	10 K
75/03/18	10 00			1	1				0	10 K	0
75/06/17	09 30			2	2				1	10 K	20
75/09/23	10 00			2	2				2	10 K	10
75/12/30	11 20			1	1				1	10 K	0
76/03/31	10 20			0	0				0	10 K	0
76/09/23	10 15			1	1					10 K	0
76/12/28	10 40			1	2				0	10 K	0
77/02/23	10 15			1	1				1	10 K	0
77/06/22	11 00			0	1				1	10 K	0
77/09/13	10 00			0	0				1	10	10
77/12/20	10 45			1	1		0		1	8	0
78/03/28	10 15			1	1		0		5	8	0
78/06/27	10 00			1	1	200			5	4	0
78/09/27	12 00			1	0	100			1	12	0
78/12/19	10 30			0	1	50			6	8	0

TABLE 151 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX=VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CU,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DISS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DTSS UG/L
72/01/10	13 15		1 K			1	1 K	20		1 K	
72/02/03	10 00					2		50			
72/03/02	11 15					2		50			
72/04/11	11 10		0			6	4	60	450	5	
72/05/01	13 20					2		50			
72/06/13	11 35					2		40			
73/03/28	10 00		0	2	20 K	10	10	50	210	100 K	
73/07/10	09 45		0	1	25 K	10	10 K	160	150	50 K	
73/08/23	10 45		10	0	25 K	30	20	80	300	50 K	
73/09/27	12 00		0	0	25	10 K	10 K	40	130	50 K	
73/12/11	09 15		0	1	50 K	5	10	100	170	200	
74/03/25	10 30		0	0	50 K	3	10 K	40	340	340	
74/06/17	10 15		0	0	50 K	1	10 K	50	840	100 K	
74/12/09	10 15		10 K	2	50 K	2	10 K	30	170	100 K	
75/03/18	10 00		35	0	50 K	1	10	30	330	100 K	
75/06/17	09 30		0	0	50 K	3	10	40	280	100 K	
75/09/23	10 00		10	0	50 K	13	10	30	920	100 K	
75/12/30	11 20		0	0	50 K	4	10	30	200	100 K	
76/03/31	10 20		0	2	50 K	3	10	10	250	100 K	
76/09/23	10 15		0	0	50 K	38	220	10	80	100 K	
76/12/28	10 40		0	1	50 K	390	450	30	230	100 K	
77/02/23	10 15		0	0	50 K	14	40	30	590	100	
77/06/22	11 00		10	0	50 K	310	440	50	160	100	
77/09/13	10 00		0	1	50 K	1	10 K	20	50	100 K	
77/12/20	10 45		0	0	0	0	4	30	210	28	
78/03/28	10 15		10	0	0	3	12	50	500	82	
78/06/27	10 00		0	0	3	1	8	10	610	32	
78/09/27	12 00		0	2	0	0	2	10	90	130	
78/12/19	10 30		20	3 K	2	1	4	10	190	100	

TABLE 151 KOOTENAI RIVER NEAR COPELAND, ID  
USGS STATION NO. 12318500

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DTSS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DTSS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DTSS UG/L	01075 SILVER AG,DTSS UG/L	01080 STRONTIUM SR,DTSS UG/L	01085 VANADIUM V,DTSS UG/L
72/01/10	13 15			0.4							
72/02/03	10 00			0.3							1
72/03/02	11 15			3.1							
72/04/11	11 10		50.0	0.4	0.1						
72/05/01	13 20			0.0							
72/06/13	11 35			0.2							
73/03/28	10 00	60.0	60.0	0.1	0.1						
73/07/10	09 45	30.0	30.0	0.0	0.1						
73/08/23	10 45	45.0		0.0	0.1						
73/09/27	12 00	10.0	10.0	0.0	0.1						
73/12/11	09 15	0.0	0.0	0.0	0.1						
74/03/25	10 30	50.0	60.0	0.0	0.0						
74/06/17	10 15	20.0	20.0	0.0	0.0						
74/12/09	10 15	0.0	10.0	0.1 K	0.2						
75/03/18	10 00	50.0	30.0	0.0	0.1						
75/06/17	09 30	0.0	10.0	0.0	0.0						
75/09/23	10 00	10.0	20.0	0.1	0.1						
75/12/30	11 20	0.0	20.0	0.4	0.3						
76/03/31	10 20	30.0	40.0	0.0	0.0						
76/09/23	10 15	10.0	10.0	0.9	2.0						
76/12/28	10 40	20.0	20.0	0.0	0.0						
77/02/23	10 15	30.0	30.0	0.0	0.0						
77/06/22	11 00	8.0	20.0	0.3	0.1						
77/09/13	10 00	0.0	20.0	0.0	0.0						
77/12/20	10 45	10.0	30.0	0.0	0.2						
78/03/28	10 15	20.0	20.0	0.2	0.0			0.0			
78/06/27	10 00	10.0	20.0	0.0	0.1			0.0			
78/09/27	12 00	0.0	10.0	0.0	0.0			0.0			
78/12/19	10 30	0.0	0.0	0.2	0.2			0.0			

TABLE 151 KOUTENAI RIVER NEAR COPFLAND, ID  
USGS STATION NO. 1231A500

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/01/10	13 15	30	10
72/02/03	10 00	20	
72/03/02	11 15	20	
72/04/11	11 10	20	50
72/05/01	13 20	90	
72/06/13	11 35	10	
73/03/28	10 00	20	20
73/07/10	09 45	20	30
73/08/23	10 45	90	90
73/09/27	12 00	60	20
73/12/11	09 15	50	1200
74/03/25	10 30		50
74/06/17	10 15	10	50
74/12/09	10 15	20	70
75/03/18	10 00	30	60
75/06/17	09 30	20	50
75/09/23	10 00	10	10
75/12/30	11 20	10	20
76/03/31	10 20	10	10
76/09/23	10 15	40	50
76/12/28	10 40	130	120
77/02/23	10 15	20	30
77/06/22	11 00	80	90
77/09/13	10 00	30	10
77/12/20	10 45	20	30
78/03/28	10 15	10	40
78/06/27	10 00	10	20
78/09/27	12 00	0	10
78/12/19	10 30	3 K	30

TABLE 152 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

COF/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DISS UG/L	01010 BERYLLIUM BE,DISS UG/L	01020 BORON B,DISS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DISS UG/L
72/01/05	14 00	0		5		0	0.00	10	0		2
72/02/08	12 00							10			
72/03/13	09 30							50			
72/04/10	09 30	100		2		100	0.00	30	0		0
72/05/01	13 30							30			
72/06/06	09 30							20			
72/07/10	09 00	0		2		0	0.00	0	0		0
72/08/14	09 30							30			
72/09/22	10 45							20			
72/10/12	09 50	0		7		0	0.00	7	1		0
72/11/10	08 45							10			
72/12/14	11 30							10			
73/01/15	13 45	10		2		0	0.00	10	0		0
73/02/16	11 30							10			
73/03/23	10 00							30			
73/04/27	12 00							20			
73/05/18	13 30	10		0		0	0.00	20	0		0
73/06/15	12 00							0			
73/07/13	12 30	0		0		300	0.00	10	1		0
73/08/10	10 00							10			
73/09/21	13 00							20			
73/10/19	12 15	0		0		0	0.00	5	0		0
73/11/20	12 30							0			
73/12/11	15 30							6			
74/01/25	12 30	20		0		0	0.00	40	0		0
74/02/22	10 00							5			
74/03/22	08 00							20			
74/04/22	13 30							40			
74/05/09	14 00	20		0		200	10.00	150	0		20
74/06/10	14 30	30	1300	0	2						
74/07/08	11 30	20	800	3	2						
74/08/05	12 30	0	300	5	5						
74/08/30	13 15	10	100	0	1						
74/10/24	09 45	0	200	0	0						
74/11/18	14 30	0	100	0	1						
74/12/13	08 00	0	300	1	1						

TABLE 152 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01106 ALUMINUM AL,DISS UG/L	01105 ALUMINUM AL,TOT UG/L	01000 ARSENIC AS,DISS UG/L	01002 ARSENIC AS,TOT UG/L	01005 BARIUM BA,DTSS UG/L	01010 BERYLLIUM BE,DTSS UG/L	01020 BORON B,DTSS UG/L	01025 CADMIUM CD,DISS UG/L	01027 CADMIUM CD,TOT UG/L	01030 CHROMIUM CR,DTSS UG/L
75/01/14	10 00	0	500	0	0						
75/02/19	08 15	10	2000	0	0						
75/03/20	11 00	20	700	1	1						
75/05/09	10 50	30	3300	0	3						
75/05/29	13 45	20	1300	1	1						
75/06/09	08 45	20	1500	0	1						
75/07/08	13 00	0	530	1	0						
75/08/07	10 45	10	130	1	0						
75/09/15	14 00	0	70	1	5						
75/10/02	09 00	0	60	0	0						
75/11/19	10 30	0	150	0	1						
75/12/19	13 00	0	350	1	1						
76/01/13	10 45	0	150	0	0						
76/02/19	11 00	10	270	0	0						
76/04/13	11 30	40	4200	1	3						
76/05/10	12 30	10	4100	0	6						
76/05/17	10 30	50	1800	0							
76/06/01	12 00	0	580	0	0						

TABLE 152 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01032 CHROMIUM HEX-VAL UG/L	01034 CHROMIUM CR,TOT UG/L	01035 COBALT CO,DISS UG/L	01037 COBALT CO,TOTAL UG/L	01040 COPPER CU,DISS UG/L	01042 COPPER CU,TOT UG/L	01046 IRON FE,DTSS UG/L	01045 IRON FE,TOT UG/L	01051 LEAD PB,TOT UG/L	01130 LITHIUM LI,DTSS UG/L
72/01/05	14 00	1		2		1		10			10
72/04/10	09 30	0		0		2		70			0
72/07/10	09 00	0		0		1		10			0
72/10/12	09 50	0		2		0		20			0
73/01/15	13 45	0		0		0		40			0
73/05/18	13 30	0		0		3		90			0
73/07/13	12 30	0		0		1		10			0
73/10/19	12 15	0		1		2		20			0
74/01/25	12 30	0		0		4		70			0
74/05/09	14 00	0		0		3		50			0
74/06/10	14 30							50	3600	100 K	
74/07/08	11 30							70	890	100 K	
74/08/05	12 30							20	200	100 K	
74/08/30	13 15							10	200	100 K	
74/10/24	09 45							20	70	100 K	
74/11/18	14 30							40	160	100 K	
74/12/13	08 00							10	130	100 K	
75/01/14	10 00							20	140	100 K	
75/02/19	08 15							10	1000	100 K	
75/03/20	11 00							10	1300	100 K	
75/05/09	10 50							50	4600	100 K	
75/05/29	13 45							40	2000	100 K	
75/06/09	08 45							50	1900	100 K	
75/07/08	13 00							20	720	100 K	
75/08/07	10 45							20	130	100	
75/09/15	14 00							0	70	100 K	
75/10/02	09 00							10	40	0	
75/11/19	10 30							0	240	0	
75/12/19	13 00							60	500	100 K	
76/01/13	10 45							20	180	100 K	
76/02/19	11 00							0	350	100 K	
76/04/13	11 30							60	6400	100 K	
76/05/10	12 30							30	7700	100 K	
76/05/17	10 30							40	2900	100 K	
76/06/01	12 00							20	950	2	



TABLE 152 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01056 MANGNESE MN,DISS UG/L	01055 MANGNESE MN UG/L	71890 MERCURY HG,DISS UG/L	71900 MERCURY HG,TOTAL UG/L	01060 MOLY MO,DISS UG/L	01062 MOLY MO,TOT UG/L	01065 NICKEL NI,DISS UG/L	01075 SILVER AG,DISS UG/L	01080 STRONTIUM SR,DISS UG/L	01085 VANADIUM V,DISS UG/L
72/01/05	14 00	8.0		0.3		0		4	0.0	110	0
72/04/10	09 30	10.0		0.3		7		3	0.0	60	1
72/07/10	09 00	13.0		0.0		0		5	0.0	60	1
72/10/12	09 50	0.0		0.1		0		1	0.0	50	1
73/01/15	13 45	20.0		0.1		0		0	0.0	50	0
73/05/18	13 30	10.0		0.2		0		0	0.0	40	0
73/07/13	12 30	0.0		0.1		0		1	0.0	60	0
73/10/19	12 15	0.0		0.2		0		4	0.0	50	0
74/01/25	12 30	20.0		0.0		0		2	0.0	40	0
74/05/09	14 00	10.0		0.0		0		0	0.0	100	0
74/06/10	14 30		60.0			2	0				
74/07/08	11 30	20.0	10.0			0	0				
74/08/05	12 30	0.0	0.0			0	0				
74/08/30	13 15	0.0	0.0			0	0				
74/10/24	09 45	0.0	0.0			0	0				
74/11/18	14 30	0.0	0.0			0	0				
74/12/13	08 00	10.0	10.0			0	0				
75/01/14	10 00	0.0	20.0			1					
75/02/19	08 15	0.0	40.0			1	2				
75/03/20	11 00	0.0	20.0			0	0				
75/05/09	10 50	20.0	130.0			1	0				
75/05/29	13 45	10.0	20.0			0	1				
75/06/09	08 45	0.0	40.0			0	0				
75/07/08	13 00	0.0	20.0			0	0				
75/08/07	10 45	0.0	10.0			0	0				
75/09/15	14 00	0.0	0.0			0	1				
75/10/02	09 00	10.0	10.0			1	2				
75/11/19	10 30	20.0	30.0			0	3				
75/12/19	13 00	10.0	20.0			0	0				
76/01/13	10 45	5.0	8.0			0	0				
76/02/19	11 00	0.0	30.0			0	0				
76/04/13	11 30	10.0	200.0			0	0				
76/05/10	12 30	20.0	220.0			0	1				
76/05/17	10 30	0.0	80.0			0	0				
76/06/01	12 00	0.0	20.0			0	1				

TABLE 152 FISHER RIVER NEAR LIBRY, MT.  
USGS STATION NO. 12302055

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	01090 ZINC ZN,DISS UG/L	01092 ZINC ZN,TOT UG/L
72/01/05	14 00	10	
72/04/10	09 30	20	
72/07/10	09 00	20	
72/10/12	09 50	20	
73/01/15	13 45	10	
73/05/18	13 30	0	
73/07/13	12 30	20	
73/10/19	12 15	40	
74/01/25	12 30	10	
74/05/09	14 00	0	
74/06/10	14 30	20	40
74/07/08	11 30	0	30
74/08/05	12 30	0	20
74/08/30	13 15	20	10
74/10/24	09 45	10	10
74/11/18	14 30	20	40
74/12/13	08 00	8	30
75/01/14	10 00	10	20
75/02/19	08 15	10	20
75/03/20	11 00	30	40
75/05/09	10 50	2	60
75/05/29	13 45	0	20
75/06/09	08 45	0	0
75/07/08	13 00	0	0
75/08/07	10 45	0	10
75/09/15	14 00	0	10
75/10/02	09 00	10	10
75/11/19	10 30	10	0
75/12/19	13 00	0	10
76/01/13	10 45	0	7
76/02/19	11 00	0	20
76/04/13	11 30	0	50
76/05/10	12 30	0	40
76/05/17	10 30	10	80
76/06/01	12 00	0	10

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HC03 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 HC HARD MG/L	00660 T ORG C C	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
72/03/20	13 30	2.4			126		1.0	152	
72/03/27	10 30	2.6	129		136	21	2.5	158	152
72/04/04	12 30	2.7	135		130	25	1.0	172	157
72/04/10	12 30	2.2	135		146	29	1.0	190	160
72/04/17	11 00	3.5	137		156	37	0.5	168	167
72/04/24	12 30	1.8	139		140	29	0.0	170	169
72/05/01	10 00	1.9	147		150	31	2.0	184	172
72/05/08	10 15	1.1	141		150	30	0.0	182	169
72/05/15	11 00	1.6	122		130	26	1.0	154	139
72/05/22	10 30	3.4	107		109	15	2.0	135	113
72/05/30	13 00	1.7	108		99	11	1.0	120	116
72/06/05	10 30	1.1	110		110	16	3.0	130	124
72/06/12	08 30	1.7	106		99	12	0.0	126	109
72/06/19	10 30	1.7	107		95	7	3.0	124	104
72/06/26	09 30	5.1	101		98	15	1.0	104	104
72/07/03	09 00	7.0	116		94	4	0.0	120	107
72/07/10	11 00	3.5	109		94	4	1.0	124	107
72/07/17	08 15	3.3	104		94	9	0.0	126	104
72/07/25	08 00	6.7	105		96	16	2.0	120	107
72/07/31	11 00	4.1	101		97	15	0.0	106	103
72/08/07	09 15	5.3	105		97	11	0.0	132	115
72/08/14	10 30	6.4	100		98	16	0.0	134	111
72/08/21	08 30	3.1	98		100	20	0.0	126	104
72/08/28	14 45	0.6	92		97	22	0.0	124	102
72/09/08	10 30	1.9	93		100	24	2.5	108	105
72/09/15	11 30	1.5	93		100	28	1.0	122	104
72/09/22	08 30	1.5	95		96	18	1.0	126	104
72/09/29	11 00	2.5	97		106	24	0.0	104	107
72/10/06	09 00				110		0.0	116	
72/10/13	09 45	5.3	104		110	28	0.0	136	123
72/10/20	09 30	6.6	103	0	120	34	1.0	140	122
72/10/27	14 30	5.7	112	0	120	29	1.0	148	127
72/11/03	11 00	12.0	119	0	130	31	1.0	150	139
72/11/10	11 00	6.4	126	0	126	19	2.0	162	139
72/11/17	11 30	5.3	133	0	120	15	1.0	164	144
72/11/24	10 30	5.4	134	0	140	28	1.0	176	149

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HC03 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 HC HARD MG/L	00660 T ORG C C	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
72/12/01	12 00	4.0	160	0	160	26	1.0	206	178
72/12/08	10 30	7.2	181	0	160	8	1.5	190	187
72/12/15	11 00	5.3	165	0	160	28	1.5	230	187
72/12/22	12 00	3.4	168	0	170	31	2.0	206	193
72/12/29	10 00	5.4	168	0	180	42	2.0	232	200
73/01/05	10 00	9.0	178	0	186	36	2.5	226	209
73/01/12	09 30	6.2	154	0	170	46	2.5	220	195
73/01/19	10 00	7.9	157		170	44	4.0	236	194
73/01/26	10 30	4.9	154		178	42	2.5	230	192
73/02/02	10 00	4.3	171		180	40	2.0	222	207
73/02/09	11 30	4.3	166		170	37	1.5	222	186
73/02/16	10 00	8.2	165	0	170	37	3.0	197	200
73/02/23	09 30	16.2	162		180	45	2.0	200	204
73/03/02	10 30	8.2	163		180	42	0.5	198	200
73/03/09	08 30	3.3	165		180	45	1.5	210	210
73/03/16	12 30	2.8	168		180	40	2.0	220	208
73/03/23	11 30	2.8	167		180	43	2.0	227	211
73/03/30	13 00	2.7	162		180	45	2.0	220	209
73/04/05	12 30	2.5	149		180	53	1.5	206	194
73/04/13	12 30	1.5	137		170	54	2.0	208	186
73/04/20	11 00	1.3	160		170	35	1.5	218	195
73/04/27	10 30	0.8	150		160	41	2.5	211	187
73/05/04	13 30	3.8	153		166	41	4.0	205	191
73/05/11	15 00	0.9	166		160	27	2.5	201	189
73/05/18	11 00	2.0	154		155	28	2.5	209	180
73/05/25	09 00	1.9	146		152	32	1.5	196	174
73/06/01	10 00	1.5	139		150	35	1.5	183	163
73/06/08	11 00	3.0	145		150	26	2.5	186	162
73/06/15	10 00	2.1	128		130	26	3.0	170	149
73/06/22	11 30	1.3	122		130	25	2.0	161	140
73/06/29	11 00	3.9	116		120	24	2.5	146	132
73/07/05	11 00	1.0	115		120	22	2.5	148	128
73/07/13	09 30	3.9	116		120	20	2.5	129	130
73/07/20	08 30	4.6	111		110	21	2.0	142	123
73/07/27	11 30	1.5	111		120	25	3.0	136	124
73/08/03	10 00	1.8	109		110	16	6.5	136	118

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HC03 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
73/08/10	12 30	1.5	113		110	20	2.0	132	122
73/08/17	11 00	1.9	113		110	18	2.5	128	119
73/08/23	11 00	2.3	113		110	17	2.5	129	120
73/08/31	09 15	1.4	110		110	15	2.0	132	117
73/09/05	14 45	4.2	105		110	20	1.5	139	114
73/09/13	07 30	7.0	110		100	12	1.5	119	115
73/09/21	10 30	11.0	105		110	21	1.5	120	112
73/09/28	10 00	7.2	113		110	14	2.0	129	117
73/10/04	17 00	6.8	106		110	26	2.0	125	119
73/10/12	10 30	9.2	115	0	120	22	1.5	120	125
73/10/19	10 30	6.2	122	0	120	17	1.5	142	131
73/10/26	11 30	4.0	126	0	130	23	2.0	151	137
73/11/02	10 30	2.5	126	0	130	24	3.0	155	139
73/11/05	10 00	2.6	129	0	130	20	2.5	153	140
73/11/15	11 00	2.6	128	0	130	24	2.0	151	142
73/11/20	11 00	5.1	128	0	130	24	3.7	146	140
73/11/30	17 00	2.6	128	0	130	29	1.2	151	146
73/12/07	14 30	4.2	133	0	130	25	2.0	153	156
73/12/12	08 00	3.4	133	0	130	24	2.2	155	149
73/12/18	11 30	1.7	131	0	130	23	1.1	155	145
73/12/27	10 15	2.1	129	0	130	27	2.9	153	146
74/01/03	14 00	2.1	129	0	140	30	1.3	142	144
74/01/10	14 30	1.3	128	0	130	29	1.5	148	144
74/01/19	13 30	1.0	127		130	29	1.0	136	145
74/01/25	10 00	1.0	126		130	23	1.5	148	141
74/01/31	10 30	1.0	129		130	24	1.4	155	142
74/02/07	15 15	1.3	124	0	130	25	1.1	145	139
74/02/13	15 00	1.3	128		130	22	1.5	143	140
74/02/22	11 30	1.0	127		130	22	1.3	151	140
74/02/27	08 00	1.4	134		130	21	1.6	153	146
74/03/07	09 30	2.1	134		130	21	2.8	158	148
74/03/15	08 00	1.6	124		130	32	2.0	147	145
74/03/22	15 00	2.2	139		140	25	1.7	150	155
74/03/28	15 00	1.7	135		140	30	1.5	157	152
74/04/04	11 30	0.8	133		140	29	1.6	165	153
74/04/11	08 00	1.1	143		150	31	1.5	157	162

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

COE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HC03 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
74/04/18	08 00	0.9	145		150	31	2.2	161	168
74/04/22	15 00	1.5	144		150	34	1.6	170	171
74/05/03	14 30	0.9	144		150	31	3.4	169	170
74/05/10	07 45	1.4	141		150	30	3.2	167	165
74/05/17	13 10	0.8	132		130	23	2.7	152	149
74/05/20	14 30	0.9	134		130	21	3.1	143	151
74/05/30	14 00	1.0	127		120	20	3.2	139	140
74/06/10	13 00	1.3	124	0	120	17	2.4	142	132
74/06/24	11 00	1.9	119	0	110	16	2.4	119	128
74/07/08	10 00	1.5	116	0	100	9	2.0	112	117
74/07/22	11 00	0.9	113	0	110	15	2.1	112	117
74/08/05	10 30			0	98	98	3.5	109	55
74/08/19	10 30	0.9	106	0	100	13	3.0	100	107
74/08/30	10 15	0.9	107	0	100	12	4.4	99	107
74/09/16	10 15	0.9	108	0	100	12	1.4	111	110
74/09/26	09 30	0.9	107	0	100	13	1.8	104	108
74/10/10	10 30	1.1	108	0	100	11	2.3	114	109
74/10/24	12 30	1.4	108	0	96	7	3.4	116	106
74/11/15	10 15	1.4	113	0	100	10	11.0	111	113
74/12/02	11 15	1.5	121	0	110	14	8.0	112	125
74/12/13	13 00	2.0	123	0	120	24	3.3	131	132
75/01/02	11 00	1.6	129	0	100	0	26.0	134	129
75/01/13	11 30	4.1	129	0	120	17	3.4	134	137
75/01/29	09 30	4.0	124	0	110	12	2.4	124	129
75/02/19	12 30	2.6	129	0	120	14	5.0	131	134
75/03/06	10 45	3.5	139	0	140	24	3.1	154	152
75/03/19	11 30	3.9	153	0	160	35	0.5	174	172
75/04/02	12 30	3.1	155	0	160	31		174	173
75/04/21	11 00	2.5	158	0	160	34	3.4	180	177
75/05/01	11 30	1.3	159	0	150	21	0.0	179	177
75/05/12	11 10	1.6	160	0	150	23	2.5	190	179
75/05/29	10 30	1.6	160	0	160	26	4.1	182	183
75/06/09	10 30	2.0	156	0	150	24	9.8	182	181
75/06/30	12 00	1.1	136	0	140	31	3.7	165	158
75/07/08	09 30	0.7	104	0	110	23	4.2	118	118
75/07/29	16 30	0.7	108	0	100	13	4.4	112	116

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/08/08	10 30	0.8	104	0	100	16	2.4	111	112
75/08/28	16 00	2.1	132	0	100	27	2.7	150	151
75/09/10	15 30	1.5	121	0	120	21	2.7	138	135
75/10/02	14 00	1.9	116	0	110	16	1.9	132	124
75/10/14	13 00	1.4	114	0	110	16	0.8	117	120
75/11/04	11 30	1.8	110	0	100	11	6.5	116	113
75/11/18	10 45	1.4	111	0	100	11	1.9	112	112
75/12/05	10 30	1.1	110	0	110	17	3.4	121	117
75/12/18	10 00	0.9	114	0	120	21	2.0	123	125
75/12/30	13 00	0.9	117	0	110	18	1.9	125	128
76/01/14	10 45	1.2	116	0	110	16	1.8	123	126
76/01/23	10 30	1.0	120	0	120	17	4.4	129	128
76/02/03	12 30	1.0	121	0	110	12	2.9	124	128
76/02/19	08 15	1.2	120	0	120	23	5.4	127	128
76/03/04	11 30	1.3	126	0	120	18	12.0	136	140
76/03/18	12 30	1.3	132	0	140	28	1.2	143	147
76/03/30	11 00	1.4	142	0	140	23	1.3	156	155
76/04/19	11 00	1.6	154	0	150	25	3.5	171	173
76/05/03	10 45	1.5	152	0	150	22	2.8	168	167
76/05/14	08 45	1.5	152	0	100	18	2.9	167	167
76/06/01	10 30	1.1	143	0	140	25	10.0	173	162
76/06/14	11 00	1.4	135	0	140	32	2.3	171	159
76/07/01	10 00	1.7	130	0	130	20	2.9	159	151
76/07/15	13 00	1.3	125	0	120	16	7.0	139	135
76/08/04	13 00	0.8	118	0	120	23	2.0	126	131
76/08/18	13 00	1.1	109	0	110	23	1.2	117	122
76/09/02	16 30	1.2	117	0	110	14	2.8	122	123
76/09/16	16 00						25.0		
76/10/01	14 45						1.0		
76/10/19	15 00	1.1	111	0	100	12	0.9		113
76/11/09	09 30						0.7		
76/11/24	12 00						1.9		
76/12/07	09 00						0.9		
76/12/22	12 15						7.2		
77/01/13	08 45	3.1	122	0	110	11	1.0		126
77/01/27	10 30						0.0		

TABLE 153 KOOTENAI RIVER BELOW LIBBY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORET RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
77/02/10	09 30						4.8		
77/02/24	09 30						1.0		
77/03/07	09 30						0.8		
77/03/31	10 15						1.3		
77/04/12	10 30						1.1		
77/04/25	09 45						1.0		
77/05/18	10 00						1.1		
77/05/31	09 30						0.9		
77/06/16	08 30	1.5	130	0	140	31	1.1		145
77/06/29	15 35						1.3		
77/07/19	12 00						1.2		
77/08/03	12 00						1.2		
77/08/17	09 00	0.0	120	0	120	21	2.8		130
77/08/31	15 30						1.0		
77/09/15	11 00						2.9		
77/09/30	16 00						0.7		
77/10/14	10 30	1.7	130	0	120	18	0.9		139
77/10/28	10 45						1.2		
77/11/08	10 00						2.0		
77/11/21	11 45						1.5		
77/12/05	11 00						1.3		
77/12/21	14 00						0.9		
78/01/10	10 00						0.7		
78/01/23	10 45						0.9		
78/02/07	09 00						8.6		
78/02/23	09 00						1.0		
78/03/07	10 00						1.4		
78/03/21	11 30						1.0		
78/04/06	10 45						1.0		
78/04/27	10 30						1.1		
78/05/19	11 30						1.9		
78/05/31	11 30						2.3		
78/06/16	09 00						2.2		
78/06/30	08 15	0.9	110	0	120	28	3.6		130
78/07/07	11 20						0.8		
78/07/31	11 35						1.5		

TABLE 153 KOOTENAI RIVER BELOW LIBRY DAM, MT.  
USGS STATION NO. 12301933

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE C MG/L	70301 DISS SOL SUM MG/L
78/08/09	15 00							1.9	
78/08/22	08 05							1.6	
78/09/05	14 00							1.8	
78/09/20	08 20							7.9	
78/10/03	11 20				110			1.5	
78/10/18	10 30							1.8	
78/11/03	08 00							1.6	
78/11/27	10 30							1.7	
78/12/14	14 50							1.3	

TABLE 154 KOOTENAI RIVER AT LIBRY, MT.  
USGS STATION NO. 12303000

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE C MG/L	70301 DISS SOL SUM MG/L
72/01/06	10 30				160			1.0	
72/04/12	10 00				130			0.0	
72/07/14	10 30				94				116
72/08/21	11 30				100				134
72/09/20	08 00				100				126
72/10/27	11 30				121				158
72/11/09	09 30				120				176
72/12/22	10 00				160				180
73/01/15	10 30				170				212
73/02/22	13 30				170				200
73/03/28	10 30				170				210
73/04/18	12 00				150				181
73/05/15	09 30				130				160
73/06/07	09 00				110				139
73/07/12	09 00				120				139

TABLE 155 KOOTENAI RIVER AT LEONTA IDAHO  
USGS STATION NO. 12305000

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD MG/L	00902 NC HARD MG/L	00680 T ORG C MG/L	70300 RESIDUE C MG/L	70301 DISS SOL SUM MG/L
72/01/10	10 00		146	0	150	30	1.5		
72/02/03	14 30		151	0	160	36			
72/03/02	08 35		78	0	74	10			
72/04/11	14 05	13.0	102	0	98	4			
72/05/01	09 50		110	0	100	10			
72/06/13	09 55		93	0	78	7			
72/07/10	11 25		79	0					
72/09/06	13 00		117	0					
72/11/28	13 45	3.7	146	0					
73/01/31	14 15	2.8	140	0					
73/03/29	11 20	0.4	83	0					
73/05/31	10 20	2.9	73	0					

TABLE 156 KOOTENAI RIVER NEAR COPPLAND, ID  
USGS STATION NO. 1231P500

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00005 C02 MG/L	00040 PC03 TOR MG/L	00045 C03 TOR MG/L	00900 TOT HARD CAC03 MG/L	00902 MC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
72/01/10	13 15		149	0	150	28	1.0		
72/02/03	10 00		139	0	100	26			
72/03/02	11 15		66	0	65	10			
72/04/11	11 10		90	0	81	7	3.5		
72/05/01	13 20		96	0	90	11			
72/06/13	11 35		72	0	71	7			
73/01/31	09 50	3.2	155	0	130	21		172	154
73/02/22	11 05	2.3	144	0	156	32		142	148
73/03/28	10 00	11.0	134	0	140	30	2.5	169	155
73/04/26	12 15	1.0	95	0	84	14		79	99
73/05/31	14 30	3.6	86	0	50	13		92	68
73/07/19	09 05	6.0	212	0	87	0		91	157
73/08/23	10 05	1.2	115	0	110	14		133	123
73/09/27	12 00	1.8	110	0	110	20	1.0	140	116
73/10/25	09 30	1.6	122	0	120	21	2.0	135	132
73/12/11	09 15	3.0	100	0	95	13	33.0	109	109
74/01/28	10 15	3.4	66	0	64	10		88	80
74/02/25	13 30	2.0	116	0	63	22		91	78
74/03/25	10 30	3.9	97	0	95	11		117	112
74/04/23	09 35	2.6	85	0	84	16		111	102
74/05/30	10 00	0.1	59	0	61	6		80	75
74/06/17	10 15	7.4	46	0	54	16	3.6	72	59
74/07/22	12 05	5.9	73	0	76	8		84	86
74/08/27	09 30	1.2	98	0					
74/10/01	10 00	2.7	106	0	98	11		103	107
74/11/20	10 00	3.5	109	0	110	21		119	112
74/12/09	10 15	3.0	112	0	110	18	5.6	130	118
75/01/20	11 00	6.1	121	0	110	18		125	126
75/02/18	10 20	5.2	124	0	120	12		141	134
75/03/18	10 00	1.6	128	0	106	35	3.6	160	107
75/04/24	10 00	3.2	101	0	110	27		112	110
75/05/22	10 30	5.4	53	0	54	11		86	64
75/06/17	09 30	2.7	82	0	81	7	3.1	58	50
75/07/15	11 00	6.9	70	0	72	15		75	78
75/08/15	10 00		101	0	89	6		96	101
75/09/23	10 00	2.5	99	0	110	29	2.9	118	115

TABLE 156 KOOTENAI RIVER NEAR COPPLAND, ID  
USGS STATION NO. 1231P500

COE/USGS DATA:STORED RETRIEVAL

DATE FROM TO	TIME OF DAY	00005 C02 MG/L	00040 PC03 TOR MG/L	00045 C03 TOR MG/L	00900 TOT HARD CAC03 MG/L	00902 MC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS=180 C MG/L	70301 DISS SOL SUM MG/L
75/10/30	11 00	5.0	98	0	92	12		115	104
75/11/21	10 30	4.2	96	0	96	19		102	103
75/12/30	11 20	6.7	105	0	110	24	1.4	114	115
76/01/28	10 30	3.4	105	0	100	14		119	113
76/02/18	11 00	6.8	107	0	110	22		114	116
76/03/31	10 20	4.2	138	0	120	13	2.1	141	137
76/04/23	11 00	3.9	85	0	76	0		87	92
76/05/26	10 10	1.6	99	0	51	11		62	60
76/06/29	10 30	2.4	70	0	59	0	2.2	79	78
76/07/22	10 05	2.0	122	0	110	11		124	127
76/08/18	10 30	3.8	120	0	110	13		122	124
76/09/23	10 15	11.0	107	0	98	11	1.8	123	108
76/10/27	10 05	7.0	113	0	97	7		124	113
76/11/29	11 00	8.8	110	0	100	10		121	117
76/12/28	10 40	11.0	86	0	110	43	1.9	133	111
77/01/19	10 30	3.8	120	0	110	12		139	125
77/02/23	10 15	6.8	120	0	110	10	1.0	127	124
77/03/30	11 00	5.2	134	0	120	14		157	105
77/04/20	10 15	7.5	93	0	95	19		121	115
77/05/25	10 05	3.9	78	0	73	0		80	86
77/06/22	11 00	3.9	92	0	96	10	1.3	103	113
77/07/19	11 05	2.8	110	0	110	23		131	125
77/08/16	10 00	1.5	120	0	110	12		124	129
77/09/13	10 00	1.6	100	0	110	26	1.0	119	116
77/10/27	10 00	3.3	130	0	140	29		143	147
77/11/23	10 30	3.3	130	0	130	23	1.1	112	137
77/12/20	10 05	5.1	100	0	99	17		105	112
78/01/30	10 00	6.6	130	0	130	22	0.9	130	142
78/02/22	10 30	2.4	120	0	120	26	1.7	133	132
78/03/28	10 15	20.0	73	0	71	11		74	81
78/04/25	11 00	39.0	78	0	73	9	2.3	80	85
78/05/30	10 00	24.0	59	0	59	11	3.0	67	70
78/06/27	10 00	3.7	93	0	72	0		80	90
78/07/27	10 00	1.3	100	0	95	13	1.7	103	107
78/08/30	10 00	1.0	120	0	100	2	1.6	110	119
78/09/27	12 00	1.4	118	0	100	10		112	114

TABLE 156 KOOTENAI RIVER NEAR COPPLAND, ID  
USGS STATION NO. 1231A500

COE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
78/10/26	10 15	1.1	110	0	100	10	2.8	116	114
78/11/21	10 00	1.5	120	0	100	2	1.9	123	122
78/12/19	10 30	2.8	88	0	110	38		128	114

TABLE 157 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
72/01/05	14 00				110		2.0	136	
72/02/08	12 00				100	1	0.0	132	118
72/03/13	09 30	4.5	122	70	57	0		80	81
72/04/10	09 30	1.1	69		58	1	3.0	68	81
72/05/01	13 30	12.0	74		58	0		106	79
72/06/06	09 30	4.4	44		35	0		62	49
72/07/10	09 00				63		0.0	136	
72/08/14	09 30	4.5	113		100	7		138	111
72/09/22	10 45	1.1	139		118	4		134	131
72/10/12	09 50				111		5.0	156	
72/11/10	08 45				108			182	
72/12/14	11 30	10.0	159		120	0		174	148
73/01/15	13 45				77		2.5	140	
73/02/16	11 30				98			160	
73/03/23	10 00	1.6	118		98	1		107	116
73/04/27	12 00	0.8	73		59	0		87	77
73/05/18	13 30	1.3	40		32	0	4.5	58	44
73/06/15	12 00	1.4	67		51	0		70	66
73/07/13	12 30	0.9	109		92	2	4.5	116	108
73/08/10	10 00	1.7	137		110	0		130	128
73/09/21	13 00	1.4	134		120	5		127	130
73/10/19	12 15	2.8	140	0	120	3	1.0	124	120
73/11/20	12 30	5.2	82	0	68	1		80	82
73/12/11	15 30	9.8	97		77	0		94	93
74/01/25	12 30	1.3	66		56	2	6.0	73	73
74/02/22	10 00	1.0	102		85	1		96	102
74/03/22	08 00	1.8	88		75	3		96	96
74/04/22	13 30	1.3	64		55	3		87	75
74/05/09	14 00	1.5	48		40	0	7.6	72	56
74/06/10	14 30	0.8	47	0	40	1	2.7	56	68
74/07/08	11 30	0.9	72	0	63	4	2.1	66	77
74/08/05	12 30	0.7	107	1	83	0	3.0	97	103
74/08/30	13 15	0.8	129	1	110	0	4.9	115	124
74/10/24	09 45	1.5	149	0	120	0	5.5	135	135
74/11/18	14 30	1.2	145	0	110	0	0.9	127	133
74/12/13	08 00	1.4	137	0	110	0	1.3	118	127

TABLE 157 FISHER RIVER NEAR LIBBY, MT.  
USGS STATION NO. 12302055

CUE/USGS DATA:STORFT RETRIEVAL

DATE FROM TO	TIME OF DAY	00405 CO2 MG/L	00440 HCO3 ION MG/L	00445 CO3 ION MG/L	00900 TOT HARD CAC03 MG/L	00902 NC HARD CAC03 MG/L	00680 T ORG C C MG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
75/01/14	10 00	3.9	154	0	120	0	12.0	140	142
75/02/19	08 15	1.2	115	0	86	0	3.6	103	106
75/03/20	11 00	1.9	119	0	96	0	2.0	111	112
75/05/09	10 50	1.5	60	0	52	3	9.2	77	71
75/05/29	13 45	0.9	56	0	41	0	20.0	64	60
75/06/09	08 45	1.5	48	0	37	0	6.2	54	51
75/07/08	13 00	0.7	58	0	48	1	1.3	53	61
75/08/07	10 45	1.0	119	0	96	0	2.3	105	112
75/09/15	14 00	0.9	129	4	120	3	2.6	126	128
75/10/02	09 00	1.5	145	0	120	0	2.2	130	130
75/11/19	10 30	1.3	105	0	80	0	4.4	97	97
75/12/19	13 00	0.7	84	0	67	0	1.8	79	82
76/01/13	10 45	0.9	107	0	88	1	9.1	108	105
76/02/19	11 00	0.8	105	0	88	2	1.7	90	100
76/03/11	11 30	1.2	58	0	45	0	7.7	67	67
76/04/10	12 30	0.7	45	0	38	1	7.0	45	50
76/05/17	10 30	0.5	49	0	38	0	4.0	60	52
76/06/01	12 00	0.5	59	0	47	0	12.0	65	60

TABLE 158. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAI RIVER, MONTANA

KOOTENAI RIVER BELOW LIBBY DAM  
USGS STATION NO. 12301933

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1972	JAN	121548			66568		31653	24152
	FEB	188141			119757		36650	25522
	MAR	243137	77659		155835	0	38884	20729
	APR	138712	29219		77322	0	31506	4716
	MAY	409635	110434		210417	0	174511	27426
	JUN	572905	112203		304320	0	251933	32300
	JUL	304824	145537		70816	0	101307	23705
	AUG	406854	113928		238012	0	46014	15454
	SEP	389385	310338		100217	0	67954	29501
	OCT	691001	368567		276211	15971	106098	24909
	NOV	412115	204577	106558	115088	280	89907	35110
	DEC	125446	59608	12896	50140	0	20179	7666
	TOTAL (KG/YEAR)	4003702			1784703		996595	271189
	N =	44	39	7	44	41	44	44
1973	JAN	124289	53869	21615	49379	495	39945	24434
	FEB	100873	23163	24110	52577	1023	40493	30862
	MAR	140648	39997	27632	71267	1722	60884	47242
	APR	94749	49539	13997	30615	0	41967	31312
	MAY	42681	31854	6066	5876	651	16260	8248
	JUN	84411	41292	4894	18626	1745	26177	13997
	JUL	143140	104857	4486	26673	1175	15439	9961
	AUG	280582	155336	17294	95266	0	45552	21534
	SEP	291039	91331	43226	123821	25756	86866	50966
	OCT	198870	114859	9197	48027	9108	99343	47754
	NOV	139076	78748	7453	36489	7786	59840	33877
	DEC	61445	40758	3487	10784	4522	21581	11823
	TOTAL (KG/YEAR)	1701801	825605	183457	569400	53984	554344	332012
	N =	52	52	52	52	52	52	52

TABLE 158. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAI RIVER, MONTANA

KOOTENAI RIVER BELOW LIBBY DAM  
USGS STATION NO. 12301933

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1974	JAN	209765	121848	22824	42538	5157	45411	28886
	FEB	319790	117700	75044	51235	15980	73587	49757
	MAR	246465	108001	43738	72546	6031	52531	34570
	APR	284737	123194	55375	72687	9540	74367	47664
	MAY	367761	215399	71010	68840	2160	119654	73670
	JUN	371727	288468	49796	126917	5774	88530	56855
	JUL	368246	202613	18541	18287	10282	67406	21286
	AUG	265280	140352	41547	22827	326	42657	3742
	SEP	236805	120449	27120	68321	0	17075	3545
	OCT	478173	341420	56842	8866	0	43094	2321
	NOV	461113	48498	53812	135472	0	59263	18536
	DEC	283930	124848	35841	91632	0	21828	9544
	TOTAL (KG/YEAR)	3893792	1952790	551489	780167	55250	705404	350376
	N =	22	36	35	36	36	36	36
1975	JAN		139206	16348	135256	9750	25044	18295
	FEB		70861	3680	128727	12853	18758	16534
	MAR		90549	15219	133802	365	18027	30048
	APR		53702	953	21922	1635	11793	9788
	MAY		113446	9514	15801	0	17177	12039
	JUN		52855	5428	16505	0	12115	8567
	JUL		43650	3974	4723	875	11361	1494
	AUG		29554	3129	13420	174	8308	4334
	SEP		153862	0	79270	0	33922	19305
	OCT		71473	0	89068	0	57371	64294
	NOV		806022	29587	105394	2179	57602	51931
	DEC		112103	13969	151558	3551	54763	46887
	TOTAL (KG/YEAR)		1737283	101802	895445	31381	326242	283515
	N =	0	25	25	24	25	25	25



TABLE 158. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAI RIVER, MONTANA

KOOTENAI RIVER BELOW LIBBY DAM  
USGS STATION NO. 12301933

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1976	JAN	516268	405240	18581	336367	0	121708	78461
	FEB	327575	767264	13304	127886	0	51499	34167
	MAR	274845	61548	16674	169467	4050	38216	18420
	APR	123260	12461	4787	83978	2213	20542	4041
	MAY	73751	17532	6596	49274	2025	6687	2025
	JUN	92990	45739	2565	52213	4975	10874	5590
	JUL	313255	41150	0	177296	1707	37649	16308
	AUG	392117	61698	0	239249	0	37079	11561
	SEP	228049	78864	3700	115422	0	7323	1872
	OCT	279028	134058	6227			1658	3113
	NOV	90593	14539	15419			13718	15419
	DEC	175928	57823	1663			11956	14096
	TOTAL (KG/YEAR)	2887658	1697915	89516			358909	205073
	N =	6	24	24	18	18	24	24
1977	JAN	86978	40053	2159			14551	12933
	FEB	150011	104870	896			8368	7570
	MAR	761800	693003	3060			17142	11088
	APR	500596	460550	3493			10536	6095
	MAY	44767	30267	2283			3665	3665
	JUN	26470	9646	1221			604	1767
	JUL	67114	32837	4589			1286	1286
	AUG	100934	75510	2736			2031	4719
	SEP	113088	76871	0			0	1972
	OCT	190730	107832	6613			43778	2235
	NOV	195397	100245	1113			11989	5992
	DEC	121411	74510	5085			11202	834
	TOTAL (KG/YEAR)	2359296	1806193	33247			125151	60157
	N =	24	24	24	0	0	24	24

TABLE 158. LOADING OF NITROGEN AND PHOSPHORUS IN THE KOOTENAI RIVER, MONTANA

KOOTENAI RIVER BELOW LIBBY DAM  
USGS STATION NO. 12301933

YEAR	MONTH	00600	00605	00610	00618	00613	00665	00671
		TOTAL N N (KG/MONTH)	ORG N N (KG/MONTH)	NH3-N TOTAL (KG/MONTH)	NO3-N DISS (KG/MONTH)	NO2-N DISS (KG/MONTH)	PHOS-TOT (KG/MONTH)	PHOS-DISS ORTHO (KG/MONTH)
1978	JAN	88670	19469	30585			15834	7628
	FEB	135756	93548	2882			9521	5911
	MAR	41729	23041	0			13551	586
	APR	64627	35858	2966			4087	2157
	MAY	83360	66043	3363			4819	1759
	JUN	153145	107976	2948			8419	295
	JUL	239635	125519	2990			2599	814
	AUG	279811	234459	1931			2554	379
	SEP	283619	228558	6111			2760	354
	OCT	272467	198560	4108			1788	180
	NOV	327884	197391	7214			7063	1385
	DEC	258703	118869	11115			14808	2862
	TOTAL (KG/YEAR)	2229405	1449291	76212			87803	24309
	N =	21	21	23	0	0	22	23

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
78/04/18	15 30	6.7	709.0	75	8.1	71	121	111
78/06/22	10 30	11.7	722.0	81	10.7	104	113	111
78/06/22	15 45	13.3	715.0	83	10.8	110	112	112
78/07/12	11 30	12.8	707.0	82	11.1	113	112	112
78/07/12	15 30	13.9	704.0	96	10.4	109	115	114
78/07/13	11 00	13.3	704.0	91	11.1	115	113	113
78/07/13	16 15	14.4	703.0	99	10.7	114	115	114
78/07/14	09 15	12.2	706.0	84	11.2	113	112	112
78/07/14	15 00	14.4	703.0	96	10.6	113	114	114
78/07/17	11 15	12.8	706.0	82	10.8	110	112	112
78/07/17	16 00	13.9	705.0	99	10.8	113	115	114
78/07/25	15 00	15.6	703.0	85	9.7	106	114	112
72/04/08	14 30	5.7	699.0	10	--	--	--	101
72/05/04	14 20	10.4	702.2	55	11.2	109	108	108
72/05/19	13 15	14.0	703.9	47	10.5	110	106	107
72/05/26	14 30	12.3	708.5	43	10.0	100	108	106
72/06/12	10 45	12.0	698.0	37	10.1	102	106	105
72/06/20	14 30	15.3	698.7	86	11.0	120	111	112
72/06/29	10 45	14.5	703.2	28	8.90	95	107	104
72/07/12	14 00	14.5	705.3	35	9.45	100	106	105
72/07/19	13 30	16.6	701.1	41	9.17	102	107	106
72/07/26	13 45	18.5	698.9	50	8.21	96	110	107
72/08/02	13 40	19.5	701.2	40	8.79	104	106	106
72/08/09	09 15	20.9	696.2	42	8.65	106	106	106
72/08/17	14 00	21.6	700.2	43	8.51	105	107	106
72/08/21	10 00	21.8	703.5	32	8.53	105	105	105
72/08/23	13 30	20.2	701.2	37	8.62	102	106	105
72/08/29	14 15	23.7	695.0	51	8.19	106	108	107
72/09/18	15 30	16.8	694.0	11	8.14	92	104	102
72/09/28	14 00	15.0	702.5	-13	8.23	88	101	98
72/10/19	13 45	12.8	702.0	-25	7.90	81	100	96
73/07/26	09 00	20.0	704.0	31	8.8	105	104	104
73/08/30	09 15	17.6	691.0	7	8.4	97	102	101
73/09/17	10 45	17.0	689.0	10	8.4	96	103	101
73/10/16	11 00	14.0	691.0	-23	8.7	93	98	97
73/11/14	11 00	10.8	687.0	-35	8.8	88	97	95
73/12/12	11 30	7.2	695.0	-37	10.0	91	96	95
74/01/23	13 20	4.5	704.0	-37	10.6	89	96	95
74/02/13	12 30	2.0	698.0	-32	11.8	93	96	95
74/03/12	11 00	5.0	695.0	-2	11.9	102	99	100
74/04/10	10 15	4.0	699.0	19	11.8	98	104	103
74/05/07	11 10	10.0	696.0	40	12.1	117	103	106
74/06/06	11 30	10.5	694.0	18	10.5	103	103	103
74/07/11	11 00	15.0	694.0	30	9.1	99	106	104
74/08/26	12 00	18.5	697.0	30	9.0	105	104	104
74/09/12	10 45	17.5	704.0	0	9.0	102	100	100
74/10/16	11 00	12.5	704.0	-15	9.4	96	98	98
74/11/20	12 30	9.9	691.0	-21	8.7	85	100	97
74/12/16	17 30	7.5	701.0	-33	9.2	83	98	95
75/01/22	11 30	5.0	703.0	-44	10.4	88	95	94
75/02/27	14 30	0.5	703.0	107	12.2	92	122	115
75/03/25	15 15	2.0	696.0	3	12.8	101	100	100
75/04/24	15 15	4.0	690.0	37	12.5	105	106	105
75/05/28	10 00	12.0	704.0	32	10.5	105	104	105
75/06/17	10 15	12.0	695.0	26	9.7	99	105	104
75/07/22	09 15	16.0	698.0	47	10.0	111	106	107
75/08/19	13 50	18.0	695.0	28	8.1	94	107	104
75/09/16	09 00	17.5	694.0	14	8.6	99	103	102
75/10/14	09 45	13.0	702.0	-13	7.7	79	103	98
75/11/18	09 50	11.0	708.0	-21	5.1	50	110	97
75/12/18	09 40	8.0	709.0	-38	7.4	67	102	95
76/01/15	16 45	6.0	703.0	-35	6.3	55	106	95
76/02/11	10 30	3.5	697.0	-28	11.1	91	97	96
76/03/22	10 00	2.0	696.0	-7	12.1	96	100	99
76/04/12	10 20	3.5	695.0	21	11.1	91	106	103
76/05/25	10 15	12.5	696.0	49	11.2	115	105	107
76/06/23	10 00	14.0	698.0	42	10.3	109	105	106

TABLE 159  
GAS SATURATION DATA KOOTENAI RIVER BELOW LIBBY DAM GAGING STATION (RM 221.4) USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
72/04/07	08 05	5.2	702.0	240	16.9	144	132	134
72/04/07	12 35	5.2	702.0	231	16.0	137	132	133
72/04/07	16 00	5.2	702.0	285	---	---	---	141
72/04/07	17 45	5.1	702.0	260	---	---	---	137
72/04/08	11 30	5.9	702.0	212	---	---	---	130
72/04/08	14 00	5.4	702.0	235	15.1	130	135	133
72/04/11	08 50	5.9	701.0	---	15.3	133	---	---
72/04/12	08 10	6.1	694.5	192	15.0	133	127	128
72/04/12	15 45	6.2	694.5	200	14.8	131	129	129
72/04/14	11 00	6.3	705.2	216	14.9	130	131	131
72/04/17	11 05	6.4	707.4	216	14.9	130	131	131
72/04/18	08 52	6.6	710.5	213	15.3	134	129	130
72/04/19	14 00	6.6	706.3	202	14.9	131	128	129
72/04/26	07 50	6.3	713.3	243	15.6	135	134	134
72/04/28	13 15	7.0	704.1	250	15.5	138	136	136
72/05/01	17 15	7.5	710.9	264	14.3	128	140	137
72/05/02	08 30	7.6	709.8	243	14.0	126	137	134
72/05/03	09 10	8.0	708.8	265	14.3	130	140	137
72/05/04	13 45	8.9	704.4	285	14.2	133	143	140
72/05/05	15 00	9.6	707.1	293	14.0	132	145	141
72/05/06	13 30	9.7	705.7	271	13.4	127	142	138
72/05/10	15 00	9.0	708.3	268	13.3	124	142	138
72/05/15	11 45	9.1	700.6	265	13.0	123	141	138
72/05/16	08 45	9.5	703.3	263	13.3	126	141	137
72/05/19	10 30	10.3	708.2	281	13.7	131	143	140
72/05/26	15 15	9.0	712.1	295	14.1	130	145	141
72/05/30	19 00	8.6	702.1	305	14.2	132	147	143
72/06/12	13 15	10.0	703.2	243	---	---	---	135
72/06/13	15 15	10.0	705.1	241	13.1	125	137	134
72/06/15	17 45	10.0	704.8	247	13.3	127	138	135
72/06/20	15 15	10.0	704.0	237	13.0	125	137	134
72/06/29	11 25	10.0	709.0	222	13.47	128	133	131
72/06/30	16 45	10.0	706.2	257	13.80	132	138	136
72/07/12	14 55	10.0	708.3	229	13.87	132	133	132
72/07/14	17 10	10.0	707.7	248	13.15	125	138	135
72/07/19	14 10	10.4	708.1	225	12.90	124	134	132
72/07/26	14 15	11.0	705.3	257	12.90	126	140	136
72/07/31	07 15	10.4	707.1	222	12.43	120	135	131
72/08/02	14 10	11.1	708.3	237	12.73	124	137	133
72/08/09	09 45	11.3	703.3	255	13.20	131	138	136
72/08/15	07 45	11.0	705.5	229	12.77	125	135	132
72/08/17	14 30	11.2	707.2	264	13.17	129	140	137
72/08/21	10 40	11.6	710.3	286	14.00	138	142	140
72/08/23	14 00	11.1	708.0	292	14.20	139	143	141
72/08/29	14 45	11.4	701.7	280	13.48	134	142	140
72/08/31	08 45	11.1	712.8	222	12.69	123	134	131
72/09/15	17 00	12.5	702.7	244	11.88	121	139	135
72/09/29	18 00	13.4	712.7	247	11.27	115	141	135
72/10/19	14 15	12.5	707.3	247	11.69	118	140	135
72/10/31	17 00	10.6	711.6	287	12.40	119	147	140
72/12/05	08 45	2.3	712.7	221	15.67	122	134	131
73/01/18	10 00	1.1	701.3	219	15.40	118	135	131
73/02/01	14 50	1.1	710.7	229	13.00	98	142	132
73/07/26	10 15	9.8	711.0	245	13.8	130	136	134
73/08/30	10 00	10.8	699.0	254	12.6	124	140	136
73/09/17	12 15	12.0	695.0	244	11.6	118	140	135
73/10/16	12 00	13.5	710.0	260	13.1	135	138	137
73/11/14	12 30	10.8	692.0	275	13.3	132	143	140
73/12/12	13 00	7.0	701.0	318	14.9	133	149	145
74/01/23	14 20	4.5	707.0	294	17.1	142	142	142
74/02/13	11 30	3.4	703.0	318	16.6	135	148	145
74/03/12	12 00	3.0	699.0	293	16.8	136	144	142
74/04/10	10 45	3.5	704.0	365	17.5	143	155	152
74/05/07	11 50	7.5	701.0	305	15.7	143	145	144
74/06/06	10 30	9.0	700.0	275	14.5	136	141	139
74/07/11	11 40	10.5	703.0	220	13.4	130	132	131
74/08/26	11 15	14.5	706.0	186	12.4	131	126	126
74/09/12	11 35	16.0	711.0	191	12.2	133	126	127
74/10/16	10 15	12.5	712.0	195	13.0	130	127	127
74/11/20	14 50	10.5	697.0	262	13.7	134	139	138
74/12/16	11 30	8.5	709.0	263	14.5	133	139	137
75/01/22	10 30	5.8	710.0	208	15.5	130	129	129
75/02/26	17 00	3.0	706.0	298	17.2	138	144	142
75/03/24	09 45	2.0	702.0	297	17.2	135	145	142
75/04/24	16 00	4.5	694.0	312	17.2	146	145	145
75/05/28	09 30	7.0	710.0	310	16.0	141	145	144
75/06/17	09 30	8.0	701.0	242	16.4	150	131	135
75/07/22	09 45	16.0	704.0	197	11.8	130	128	128
75/08/19	14 30	14.0	704.0	190	11.4	120	130	127
75/09/16	09 30	10.0	702.0	120	11.3	109	120	117
75/10/14	10 15	10.0	710.0	16	9.9	94	105	102
75/11/18	10 30	10.0	718.0	-11	10.0	94	100	98
75/12/18	10 10	8.0	717.0	-34	10.0	90	97	95
76/01/15	16 00	6.0	709.0	-19	10.6	91	99	97
76/02/11	11 00	3.5	704.0	-30	11.4	93	97	96
76/03/22	10 45	2.0	700.0	15	13.5	106	101	102
76/04/12	11 00	4.0	700.0	74	12.6	105	112	111
76/05/25	10 50	5.5	703.0	87	12.4	107	114	112
76/06/23	10 30	6.5	705.0	27	10.8	95	106	104

TABLE 159  
KOOTENAI RIVER BELOW LIBBY DAM GAGING STATION (RM 221.4)

GAS SATURATION DATA			KOOTENAI RIVER BELOW LIBBY DAM GAGING STATION (RM 221.4)				USACOE/USGS DATA	
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
76/10/01	14 45	11.5	701.0	-7	8.6	86	103	99
76/10/19	15 00	12.0	691.0	-3	8.4	86	103	100
76/11/09	09 30	12.0	711.0	-25	7.7	77	102	96
76/11/24	12 00	10.5	679.0	-26	8.2	82	100	96
76/12/07	09 45	9.5	706.0	-27	9.2	87	99	96
76/12/22	12 15	11.0	713.0	-29	9.8	95	96	96
77/01/13	08 45	6.0	707.0	-36	10.3	89	96	95
77/01/27	10 30	5.0	706.0	-40	10.8	91	95	94
77/02/10	09 30	4.5	706.0	-45	10.9	91	94	94
77/02/24	09 30	4.1	704.0	-34	10.8	89	97	95
77/03/07	09 30	3.9	678.0	40	12.1	104	107	106
77/03/31	10 15	4.0	700.0	-9	11.8	98	99	99
77/04/12	10 30	4.0	712.0	-18	11.4	93	99	97
77/04/25	09 45	5.0	706.0	15	11.8	100	103	102
77/05/18	10 00	6.0	706.0	62	12.6	109	109	109
77/05/31	09 30	5.9	709.0	59	12.6	108	108	108
77/06/16	08 30	7.0	706.0	55	11.8	105	109	108
77/06/29	15 35	10.5	706.0	19	10.1	98	104	103
77/07/19	12 00	13.0	706.0	10	9.3	95	103	101
77/08/03	12 00	15.7	703.0	22	9.8	107	102	103
77/08/17	09 00	17.0	708.0	10	8.8	99	102	101
77/08/31	15 30	15.0	704.0	26	9.0	97	106	104
77/09/15	11 00	14.0	701.0	26	8.8	93	107	104
77/09/30	16 00	11.5	705.0	-14	9.0	89	100	98
77/10/14	10 30	10.1	715.0	23	8.6	81	109	103
77/10/28	10 45	8.2	701.0	0	8.8	81	105	100
77/11/08	10 00	8.9	718.0	-28	8.2	75	102	96
77/11/21	11 45	8.4	710.0	-29	8.2	75	101	96
77/12/05	11 00	7.2	712.0	-46	9.2	81	97	94
77/12/21	14 00	5.5	705.0	-7	10.4	89	102	99
78/01/10	10 00	2.7	694.0	-52	11.5	93	92	93
78/01/23	10 45	2.4	712.0	-42	9.9	77	99	94
78/02/07	09 00	1.6	696.0	-32	12.3	96	95	95
78/02/23	09 00	1.6	704.0	-18	12.6	98	97	97
78/03/07	10 00	1.6	709.0	-8	13.0	100	99	99
78/03/21	11 30	2.6	703.0	46	13.0	104	107	107
78/04/06	10 45	2.6	702.0	40	12.6	100	107	106
78/04/27	10 30	4.2	700.0	50	13.0	109	107	107
78/05/19	11 30	7.5	711.0	72	13.4	120	108	110
78/05/31	11 30	8.0	710.0	50	11.5	104	108	107
78/06/16	09 00	9.6	706.0	30	10.9	103	105	104
78/06/30	09 15	10.8	703.0	25	10.4	102	104	104
78/07/07	11 20	13.0	702.0	34	10.1	104	105	105
78/07/31	11 35	13.4	702.0	25	9.3	97	106	104
78/08/09	15 00	14.0	702.0	23	9.2	96	105	103
78/08/22	08 05	13.6	703.0	18	9.2	96	104	103
78/09/05	14 00	13.8	700.0	18	8.9	94	105	103
78/09/20	08 20	12.4	710.0	27	9.2	92	97	104
78/10/03	11 20	12.2	707.0	-9	8.7	87	102	99
78/10/18	10 30	11.8	701.0	10	9.8	98	102	101
78/11/03	08 00	10.0	712.0	13	9.3	88	106	102
78/11/27	10 30	7.6	710.0	-22	9.8	88	99	97
78/12/14	14 50	6.2	705.0	-18	9.9	86	100	97

TABLE 159  
KOOTENAI RIVER BELOW LIBBY DAM (RM 218.5)  
USGS STATION NO. 12301933

GAS SATURATION DATA			KOOTENAI RIVER BELOW LIBBY DAM (RM 218.5) USGS STATION NO. 12301933				USACOE/USGS DATA	
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/04/07	08 45	5.0	702.0	190	15.1	128	127	127
72/04/07	13 00	6.1	702.0	190	15.4	135	125	127
72/04/07	16 30	6.1	702.0	226	--	--	--	132
72/04/09	14 15	6.1	702.0	--	14.9	130	--	--
72/04/11	09 15	5.9	700.8	--	14.6	127	--	--
72/04/12	08 50	6.1	694.3	155	14.4	127	121	122
72/04/17	10 30	6.7	707.6	206	14.8	130	129	129
72/04/25	15 45	7.7	706.3	229	14.7	133	133	132
72/04/27	15 30	7.2	702.0	235	15.1	136	133	133
72/05/02	09 30	7.7	710.0	231	14.0	126	135	133
72/05/08	15 15	9.7	705.9	239	13.1	124	137	134
72/05/19	11 15	10.5	707.8	264	13.6	131	140	137
72/05/30	18 30	8.9	702.3	285	14.1	132	144	141
72/06/13	13 00	10.0	705.7	245	13.2	126	138	135
72/06/15	17 15	10.3	705.3	254	13.8	133	138	136
72/06/30	16 15	10.3	706.9	263	14.90	143	136	137
72/07/03	15 30	10.3	715.1	270	13.90	132	140	138
72/07/05	00 00	10.0	708.2	244	13.05	124	138	134
72/07/05	02 00	9.7	708.8	243	13.45	127	137	134
72/07/05	04 00	9.7	709.2	245	13.35	126	137	135
72/07/05	06 00	9.7	709.8	250	13.52	128	138	135
72/07/05	08 00	9.7	710.0	261	13.65	129	140	137
72/07/05	10 00	10.0	709.5	265	13.71	130	140	137
72/07/05	12 00	10.3	708.4	253	13.63	131	138	136
72/07/05	14 00	10.3	707.4	251	13.62	131	137	135
72/07/05	16 00	10.3	706.4	255	13.60	131	138	136
72/07/05	18 00	10.3	705.3	247	13.57	131	137	135
72/07/05	20 00	10.0	704.9	244	13.57	130	137	135
72/07/05	22 00	9.5	705.0	230	13.42	127	135	133
72/07/10	16 00	11.1	707.1	208	13.00	127	131	129

## GAS SATURATION DATA

TABLE 159  
KOOTENAI RIVER BELOW LIBBY DAM (RM 218.5)  
USGS STATION NO. 12301933

## USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO --- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
72/07/12	15 20	10.6	708.2	175	13.00	126	125	125
72/07/14	16 40	10.3	707.8	240	13.13	126	137	134
72/07/19	14 40	10.4	708.1	246	---	---	---	135
72/07/26	14 50	11.2	705.3	248	13.07	129	138	135
72/07/31	07 50	10.9	707.3	239	12.56	122	137	134
72/08/02	14 35	11.1	709.0	245	13.04	127	137	135
72/08/09	10 30	11.7	703.3	268	13.79	138	139	138
72/08/15	08 20	11.0	705.9	221	13.36	131	132	131
72/08/17	15 00	11.9	708.2	270	14.12	141	138	138
72/08/21	11 20	12.1	710.3	254	15.10	151	133	136
72/08/23	14 30	12.6	707.9	281	16.75	170	133	140
72/08/29	15 15	12.8	701.0	277	16.01	164	134	140
72/08/31	09 15	11.0	713.1	213	13.17	128	131	130
72/09/15	15 45	12.4	704.4	233	12.32	125	136	133
72/09/29	17 40	13.4	712.9	241	11.03	113	140	134
72/10/19	15 00	12.2	707.0	247	11.74	118	140	135
72/10/31	16 25	10.6	711.7	256	12.20	117	142	136
72/12/05	09 45	1.1	713.2	170	14.08	106	129	124
73/01/18	10 45	1.1	701.1	187	14.0	107	132	127
73/07/26	11 30	11.4	710.0	257	16.6	163	130	136
73/08/30	10 35	10.7	699.0	246	13.1	129	138	135
73/09/17	13 00	12.2	696.0	240	12.0	122	138	134
73/10/16	13 10	14.0	710.0	235	13.6	142	132	133
73/11/14	13 30	10.9	692.0	208	13.9	138	128	130
73/12/12	13 30	6.8	701.0	255	16.0	142	130	132
74/01/23	15 15	4.2	708.0	240	17.7	146	131	134
74/02/13	13 10	3.5	705.0	280	16.6	135	141	140
74/03/12	13 00	2.8	699.0	295	17.6	142	143	142
74/04/10	12 00	3.5	704.0	311	17.1	139	146	144
74/05/07	12 45	7.5	701.0	293	15.5	141	143	142
74/06/08	12 45	9.5	701.0	282	14.7	140	141	140
74/07/11	12 20	11.0	704.0	212	13.8	135	129	130
74/08/26	12 30	16.0	705.0	197	13.0	143	125	128
74/09/12	12 30	16.0	712.0	192	13.6	148	122	127
74/10/16	11 30	12.0	711.0	193	13.2	131	127	127
74/11/20	15 40	10.5	697.0	248	13.6	133	137	136
74/12/16	13 15	8.5	708.0	246	14.4	132	136	135
75/01/22	13 00	5.0	710.0	243	15.5	130	136	134
75/02/26	18 00	3.0	707.0	271	16.7	134	140	138
75/03/24	10 30	2.0	702.0	254	17.2	135	137	136
75/04/24	17 00	4.5	694.0	275	17.1	145	139	140
75/05/28	10 40	7.5	709.0	324	16.2	145	147	146
75/06/17	10 45	10.0	700.0	235	17.1	165	126	134
75/07/22	10 15	16.0	704.0	172	12.3	135	122	124
75/08/19	15 00	12.3	704.0	162	12.1	122	124	123
75/09/16	10 00	10.0	703.0	135	12.4	119	120	119
75/10/14	11 15	10.0	710.0	71	11.8	112	110	110
75/11/18	11 15	10.0	717.0	42	10.2	96	109	106
75/12/18	10 40	8.0	718.0	32	11.2	100	106	104
76/01/15	15 30	6.0	710.0	72	12.8	110	110	110
76/02/11	11 40	3.5	704.0	55	12.5	102	110	108
76/03/22	11 15	2.0	700.0	35	13.5	106	105	105
76/04/12	11 40	4.0	700.0	90	13.3	110	114	113
76/05/25	11 15	5.5	703.0	88	12.6	108	114	113
76/06/23	11 00	7.0	706.0	61	12.0	107	109	109

GAS SATURATION DATA			TABLE 159 FISHER RIVER NEAR MOUTH (RM 1.0) USGS STATION NO. 12302055				USACOE/USGS DATA		
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT	
72/04/07	09 15	4.7	702.0	7	11.9	100	101	101	
72/04/19	15 30	7.2	705.2	15	11.2	100	103	102	
72/04/27	15 00	6.7	702.0	22	10.7	95	105	103	
72/05/02	10 00	5.7	709.3	10	11.6	99	102	101	
72/05/15	12 15	7.4	700.4	23	11.3	102	104	103	
72/05/19	12 30	7.5	706.5	21	11.2	101	104	103	
72/06/12	12 45	8.8	703.7	6	10.7	100	101	101	
72/06/29	11 50	13.4	708.7	15	9.65	99	103	102	
72/07/05	00 30	15.6	708.2	1	9.10	98	101	100	
72/07/05	02 30	15.3	708.5	0	9.28	100	100	100	
72/07/05	04 30	13.9	708.9	0	9.38	98	101	100	
72/07/05	06 30	12.5	709.1	-5	9.58	97	100	99	
72/07/05	08 30	12.5	709.6	2	9.73	98	101	100	
72/07/05	10 30	13.9	709.1	12	9.72	101	102	102	
72/07/05	12 30	15.0	708.0	16	9.69	103	102	102	
72/07/05	14 30	17.0	706.8	18	9.64	108	101	103	
72/07/05	16 30	18.3	706.0	16	9.24	106	101	102	
72/07/05	18 30	18.6	704.9	12	8.73	101	102	102	
72/07/05	20 30	18.1	704.2	4	8.58	98	101	101	
72/07/05	22 30	17.2	705.1	1	8.81	99	100	100	
72/07/12	15 45	13.4	707.5	2	9.51	98	101	100	
72/07/19	15 15	13.7	707.8	13	9.59	100	103	102	
72/07/26	15 15	19.5	704.9	18	8.63	102	103	103	
72/08/02	15 00	17.9	708.9	2	9.10	103	100	100	
72/08/09	11 00	18.9	702.5	15	8.90	104	102	102	
72/08/17	15 30	17.9	706.8	12	8.80	100	102	102	
72/08/21	12 00	18.0	709.8	18	9.05	103	103	103	
72/08/23	15 00	17.1	707.4	15	9.20	103	102	102	
72/08/29	15 45	21.8	700.7	20	8.13	101	104	103	
72/09/15	16 30	15.9	703.0	12	9.13	100	102	102	
72/09/28	13 15	6.8	709.1	3	11.11	98	101	100	
72/10/19	15 30	6.7	705.5	6	11.32	100	101	101	

GAS SATURATION DATA			TABLE 159 KOOTENAI RIVER BELOW RIVERSIDE (RM 215.5)				USACOE/USGS DATA		
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT	
72/04/12	09 30	5.8	694.9	124	13.9	122	117	118	
72/04/14	10 30	6.3	706.2	148	13.9	121	121	121	
72/04/17	10 00	6.3	708.3	146	14.2	124	120	121	
72/04/25	14 15	7.3	706.7	169	13.9	124	124	124	
72/05/02	14 30	8.5	707.8	208	13.8	127	131	129	
72/05/08	15 45	9.7	706.5	204	13.0	123	131	129	
72/05/15	13 30	9.6	701.2	228	12.8	122	136	133	
72/05/30	18 00	9.3	703.0	263	13.7	129	140	137	
72/06/15	16 45	10.6	705.9	238	13.2	128	136	134	
72/06/30	15 15	11.1	707.1	243	14.08	138	134	134	
72/07/03	14 50	10.6	715.5	253	13.84	132	137	135	
72/07/14	16 10	10.8	708.4	203	12.81	124	130	129	
72/07/31	08 15	11.0	708.2	214	12.38	121	133	130	
72/08/15	08 45	11.2	706.5	211	12.78	126	132	130	
72/08/31	09 45	11.1	714.2	189	12.66	123	128	126	
72/09/15	15 15	12.8	704.8	213	12.22	125	132	130	
72/09/29	16 45	13.4	713.6	221	10.76	110	137	131	
72/10/31	16 00	10.6	712.1	220	12.22	117	135	131	
73/07/26	12 30	11.5	710.0	209	14.6	142	126	129	
73/08/30	11 10	10.8	702.0	220	12.8	125	134	131	
73/09/17	13 30	12.0	695.0	230	11.8	120	137	133	
73/10/16	13 45	14.0	710.0	200	13.3	139	126	128	
73/11/14	14 00	10.3	693.0	185	12.4	122	129	127	
73/12/12	14 00	6.6	702.0	175	13.8	122	126	125	
74/01/23	15 40	3.6	708.0	136	16.8	136	115	119	
74/02/13	14 30	3.5	705.0	255	16.2	132	138	136	
74/03/12	14 00	2.6	697.0	270	17.0	136	140	139	
74/04/10	12 30	4.0	704.0	243	16.3	134	135	135	
74/05/07	13 40	7.5	701.0	250	14.8	134	137	136	

GAS SATURATION DATA			TABLE 159 KOOTENAI RIVER BELOW RIVERSIDE (RM 215.5)				USACOE/USGS DATA	
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
74/06/06	13 30	9.5	701.0	245	14.5	138	135	135
74/07/11	13 15	11.5	705.0	195	14.3	142	124	128
74/08/26	13 45	16.0	705.0	181	13.2	145	121	126
74/09/12	13 00	16.0	711.0	165	13.0	141	119	123
74/10/16	12 15	12.0	712.0	181	13.2	131	124	125
74/11/20	16 20	10.5	697.0	219	13.4	131	132	131
74/12/16	13 50	8.0	708.0	220	14.1	128	132	131
75/01/22	14 00	5.0	710.0	180	14.8	124	126	125
75/02/26	13 15	3.0	708.0	267	17.0	136	139	138
75/03/24	10 50	2.0	702.0	244	16.4	129	137	135
75/04/24	17 30	5.0	694.0	224	15.6	134	132	132
75/05/28	11 15	7.5	709.0	235	14.8	133	134	133
75/06/17	11 15	10.0	700.0	149	13.6	131	119	121
75/07/22	10 45	16.0	705.0	142	11.5	126	119	120
75/08/19	15 50	11.0	704.0	142	12.0	118	121	120
75/09/16	10 30	10.0	703.0	138	12.4	119	120	120
75/10/14	11 45	10.0	711.0	84	12.3	117	111	112
75/11/18	11 40	10.0	718.0	76	10.8	102	113	111
75/12/18	11 15	8.0	718.0	80	11.8	106	113	111
76/01/15	15 00	6.0	710.0	165	13.9	120	125	123
76/02/11	12 00	3.5	704.0	73	13.1	107	112	110
76/03/22	11 45	2.0	700.0	30	13.3	105	104	104
76/04/12	12 00	4.0	700.0	68	12.8	106	111	110
76/05/25	11 30	6.5	704.0	68	12.4	109	110	110
76/06/23	11 15	8.0	707.0	58	11.8	107	109	108

GAS SATURATION DATA			TABLE 159 KOOTENAI RIVER (RM 211.6)				USACOE/USGS DATA	
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/04/11	09 40	5.7	701.9	--	13.7	119	--	--
72/04/12	11 00	5.8	695.9	125	13.7	120	118	118
72/04/17	09 30	6.2	708.9	145	13.9	121	121	120
72/04/25	13 30	7.8	707.0	143	13.5	122	120	120
72/05/02	15 15	9.0	708.3	194	13.6	126	128	127
72/05/15	14 00	9.7	701.7	200	12.4	118	132	128

GAS SATURATION DATA			TABLE 159 KOOTENAI RIVER ABOVE LIBBY CREEK (RM 205.4)				USACOE/USGS DATA	
DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/04/09	13 30	8.5	703.0	--	13.3	123	--	--
72/04/11	10 00	5.7	702.5	--	13.4	116	--	--
72/04/12	11 45	5.9	696.2	112	13.4	118	116	116
72/04/13	20 00	6.3	707.7	113	12.7	111	118	116
72/04/24	13 15	7.5	703.8	144	13.6	123	120	120
72/05/02	16 00	9.6	708.8	165	13.7	129	122	123
72/05/09	15 00	8.7	708.9	114	12.2	113	117	116
72/05/15	14 45	10.4	702.2	149	11.9	115	123	121
72/05/30	17 15	11.0	705.0	211	13.8	135	129	130
72/06/13	11 00	10.6	708.1	189	12.6	122	129	127
72/06/15	16 15	11.6	707.4	197	12.8	127	129	128
72/06/30	14 30	13.6	708.6	202	13.42	139	126	129
72/07/03	14 00	12.8	717.2	236	14.94	150	129	133
72/07/10	15 15	11.9	708.9	110	11.62	116	116	116
72/07/14	15 30	12.2	709.9	144	11.81	118	121	120
72/07/31	09 05	11.3	709.5	172	12.30	121	126	124
72/08/15	09 25	11.4	707.9	158	12.71	125	122	122
72/08/31	10 30	11.2	715.0	110	11.46	111	117	115
72/09/15	14 30	13.9	706.6	168	12.20	127	123	124
72/09/29	15 45	13.6	715.3	190	10.87	111	131	127
72/10/31	15 15	10.6	713.6	187	11.75	113	130	126
72/12/05	11 00	1.1	715.8	86	13.00	98	116	112
73/01/18	11 30	0.6	702.3	78	12.99	98	115	111
73/07/26	13 30	12.3	711.0	168	14.5	145	118	124
73/08/30	11 40	10.8	701.0	163	12.0	118	125	123
73/09/17	14 00	12.8	696.0	170	12.1	125	125	124
73/10/16	14 15	14.0	711.0	150	14.2	148	115	121

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/11/14	14 45	9.9	694.0	120	12.7	123	116	117
73/12/12	14 40	6.0	704.0	94	12.5	109	115	113
74/01/23	16 15	3.0	709.0	81	14.0	112	112	111
74/02/14	09 00	3.6	707.0	167	14.4	117	126	124
74/03/12	14 30	3.0	699.0	215	17.5	142	128	131
74/04/10	13 00	5.0	705.0	164	16.6	140	119	123
74/05/07	14 30	8.0	702.0	183	13.7	125	127	126
74/06/06	14 15	9.5	701.0	179	14.2	135	124	126
74/07/11	14 00	11.5	706.0	154	13.2	131	120	122
74/08/26	14 30	17.0	706.0	146	12.3	137	117	121
74/09/12	14 00	17.0	712.0	110	11.8	131	112	115
74/10/16	13 00	13.0	712.0	175	13.9	141	121	125
74/11/20	17 10	10.0	700.0	167	12.6	122	125	124
74/12/16	14 30	8.0	709.0	163	13.7	124	123	123
75/01/22	14 30	5.5	711.0	105	14.0	118	114	115
75/02/27	12 15	2.5	710.0	189	16.4	129	126	127
75/03/24	11 30	2.5	703.0	163	16.0	127	122	123
75/04/24	18 00	5.0	695.0	154	14.8	127	121	122
75/05/28	12 00	8.0	710.0	152	13.9	126	121	121
75/06/17	12 00	10.0	710.0	93	12.0	115	113	113
75/07/22	11 15	16.0	706.0	81	10.4	114	111	111
75/08/19	16 30	12.0	705.0	125	13.0	130	115	118
75/09/16	11 00	10.5	704.0	110	12.0	116	116	116
75/10/14	12 30	10.0	712.0	84	12.1	115	111	112
75/11/18	12 15	10.0	719.0	72	11.6	109	111	110
75/12/18	11 40	8.0	720.0	79	12.3	110	112	111
76/01/15	11 45	6.0	710.0	121	13.6	117	117	117
76/02/11	12 40	3.5	705.0	69	13.1	107	111	110
76/03/22	12 15	2.5	701.0	35	13.6	108	104	105
76/04/12	12 45	5.0	700.0	62	12.4	106	110	109
76/05/25	12 00	8.5	705.0	32	11.1	103	105	105
76/06/23	11 45	9.0	708.0	42	11.8	110	105	106

TABLE 159  
GAS SATURATION DATA KOOTENAI RIVER ABOVE KOOTENAI FALLS (RM 194.5) (ABOVE WILLIAMS CREEK) USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
72/04/12	13 00	5.5	698.2	73	12.8	111	111	110
72/04/13	11 45	6.0	691.2	62	--	--	--	109
72/04/24	12 15	6.7	703.9	81	12.6	112	112	112
72/05/03	10 30	7.4	710.8	83	12.3	110	112	112
72/05/30	15 45	10.8	707.1	157	12.1	118	124	122
72/06/15	14 30	11.1	709.3	163	12.0	117	125	123
72/06/30	13 15	11.1	710.3	146	11.80	115	122	121
72/07/14	14 30	11.4	711.5	88	11.10	109	114	112
72/07/31	10 20	11.3	710.5	142	11.47	112	122	120
72/08/15	10 30	11.6	709.1	100	12.00	119	113	114
72/08/31	11 30	11.2	716.1	63	10.80	105	110	109
72/09/29	15 00	13.4	717.5	141	10.51	107	124	120
72/10/31	14 15	10.6	715.9	136	11.57	111	122	119
73/07/26	15 00	12.8	712.0	97	12.0	121	112	114
73/08/30	13 00	11.2	702.0	134	11.3	112	121	119
73/09/17	14 45	12.5	696.0	141	11.8	121	120	120
73/10/16	15 00	13.5	712.0	124	12.7	130	114	117
73/11/14	15 30	9.0	695.0	69	11.4	108	111	110
73/12/12	15 30	5.6	704.0	42	11.8	101	107	106
74/01/23	17 00	3.0	711.0	45	13.7	109	106	106
74/02/14	10 00	3.2	707.0	127	14.2	114	119	118
74/03/12	16 00	3.0	699.0	165	15.8	128	123	124
74/04/10	13 45	5.0	707.0	108	13.7	116	115	115
74/05/07	15 25	7.5	703.0	128	12.8	116	119	118
74/06/06	15 00	9.5	702.0	134	12.7	121	119	119
74/07/11	14 45	11.5	706.0	111	12.0	119	115	116



TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER ABOVE KOOTENAI FALLS (RM 194.5) (ABOVE WILLIAMS CREEK) USACOE/USGS DATA

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
74/08/26	15 15	16.0	707.0	108	11.3	124	114	115
74/09/13	14 25	15.0	713.0	80	11.0	117	110	111
74/10/17	14 40	12.5	715.0	112	12.4	124	114	116
74/11/21	17 00	10.0	695.0	115	11.8	115	117	117
74/12/16	15 15	7.0	710.0	113	12.8	113	117	116
75/01/23	13 15	5.0	705.0	123	13.7	116	118	117
75/02/26	16 00	3.5	710.0	151	15.6	126	120	121
75/03/24	12 15	2.5	704.0	112	14.8	117	116	116
75/04/24	14 00	5.0	698.0	88	13.2	113	113	113
75/05/28	13 30	8.5	711.0	93	12.2	112	114	113
75/06/17	12 30	10.0	703.0	40	11.0	106	106	106
75/07/22	12 00	16.0	708.0	46	10.0	109	106	107
75/08/20	08 00	12.0	719.0	15	9.2	90	105	102
75/08/20	15 00	14.5	707.0	63	10.6	112	108	109
75/09/16	12 30	10.5	706.0	77	11.4	110	111	111
75/10/14	13 30	10.0	714.0	68	11.4	108	110	110
75/11/18	12 40	10.0	721.0	74	11.6	108	111	110
75/12/18	12 25	8.0	721.0	67	12.0	107	110	109
76/01/05	10 30	6.0	711.0	90	13.2	113	113	113
76/02/11	13 15	3.5	707.0	50	13.0	105	108	107
76/03/22	13 30	3.0	703.0	25	13.3	107	103	104
76/04/12	13 45	6.0	702.0	35	11.9	104	105	105
76/05/25	12 45	8.0	707.0	14	11.6	105	101	102
76/06/23	12 15	9.0	710.0	32	11.8	109	103	105

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER BELOW KOOTENAI FALLS (RM 191.0) USACOE/USGS DATA

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/04/12	13 45	5.5	696.5	77	--	--	--	111
72/04/24	11 45	6.7	702.9	79	12.3	109	112	111
72/05/03	11 15	7.4	710.4	75	12.0	107	112	111
72/05/30	15 15	10.1	706.1	113	11.7	112	117	116
72/06/15	13 45	11.1	708.1	126	11.9	116	119	118
72/06/30	12 45	10.6	712.4	107	11.50	110	117	115
72/07/14	13 55	11.6	710.3	81	10.99	108	112	111
72/07/31	11 00	11.3	709.2	112	11.50	113	117	116
72/08/15	10 55	11.6	710.9	83	11.40	112	112	112
72/08/31	12 00	11.3	714.7	70	10.79	105	111	110
72/09/15	12 15	12.6	708.3	--	11.31	114	--	--
72/09/29	14 30	13.4	716.8	103	10.58	108	116	114
72/10/31	13 45	10.6	714.6	94	11.32	108	115	113
73/07/26	15 45	13.1	714.0	66	10.7	109	110	109
73/08/30	13 30	11.2	704.0	85	10.4	103	115	112
73/09/17	15 15	12.5	698.0	90	10.7	110	114	113
73/10/16	15 30	13.5	715.0	77	11.4	117	109	111
73/11/14	16 00	9.0	697.0	60	10.7	101	111	109
73/12/12	16 00	5.2	707.0	60	12.0	102	110	108
74/01/23	17 30	2.8	714.0	65	14.5	114	108	109
74/02/14	10 50	3.2	709.0	92	14.2	114	113	113
74/03/12	17 00	3.0	702.0	90	14.0	113	113	113
74/04/10	14 15	4.5	710.0	88	13.6	113	112	112
74/05/07	16 00	8.0	706.0	112	12.7	116	116	116
74/06/06	15 45	9.5	705.0	100	12.4	117	114	114
74/07/11	15 30	11.0	710.0	100	11.7	114	114	114

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER BELOW KOOTENAI FALLS (RM 191.0) USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
74/08/26	16 00	16.0	710.0	90	10.8	118	112	113
74/09/13	13 45	14.0	715.0	85	11.3	117	111	112
74/10/17	14 00	12.5	718.0	104	11.7	117	114	114
74/11/21	16 15	10.0	697.0	105	11.6	112	116	115
74/12/16	16 30	7.0	712.0	90	12.5	110	114	113
75/01/23	14 15	5.0	708.0	91	13.2	111	114	113
75/03/24	12 45	2.5	706.0	82	14.3	113	111	112
75/04/24	13 30	5.0	701.0	72	13.2	112	110	110
75/05/28	14 00	8.5	713.0	87	12.0	109	113	112
75/06/17	13 15	10.0	706.0	67	11.4	109	110	109
75/07/22	13 00	16.0	710.0	84	10.6	115	111	112
75/08/20	09 00	11.0	713.0	68	10.5	102	112	110
75/09/16	13 15	11.0	709.0	78	11.8	115	110	111
75/10/14	14 00	9.5	717.0	86	11.9	111	113	112
75/11/18	13 00	10.0	723.0	95	11.7	109	114	113
75/12/18	13 00	8.0	724.0	97	12.9	115	113	113
76/01/15	09 30	6.0	714.0	104	13.5	116	115	115
76/03/22	18 30	3.0	700.0	62	13.4	108	109	109
76/04/12	18 30	6.0	705.0	72	12.6	109	111	110
76/05/25	13 30	8.0	705.0	72	12.1	110	110	110
76/06/23	13 00	9.0	712.0	76	12.0	111	111	111

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER ABOVE YAAK RIVER (RM 177.7) USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
72/04/13	09 45	5.8	712.2	49	12.7	109	107	107
72/05/30	14 15	10.2	712.0	108	11.9	113	116	115
72/06/15	13 00	11.1	714.1	125	11.8	114	119	118
72/06/30	12 00	11.7	714.9	100	11.24	110	115	114
72/07/14	12 15	11.6	716.1	76	11.18	109	111	111
72/07/31	12 10	11.7	714.2	112	11.20	110	118	116
72/08/15	11 55	12.4	712.9	85	11.72	117	111	112
72/08/31	12 45	13.7	719.8	60	10.34	106	109	108
72/09/15	11 30	12.7	714.7	93	11.42	115	113	113
72/09/29	12 30	12.8	723.8	85	10.85	108	113	112
72/10/31	12 30	10.3	721.3	86	11.89	112	112	112
73/01/18	13 30	1.1	705.9	38	13.03	99	107	105
73/07/26	16 30	16.0	715.0	112	12.4	134	111	116
73/08/30	14 15	11.9	707.0	92	11.1	111	114	113
73/09/17	16 00	12.4	703.0	90	11.2	114	113	113
73/10/16	16 15	13.0	717.0	102	13.6	137	108	114
73/11/14	16 45	7.9	701.0	34	11.0	101	106	105
73/12/12	16 50	4.8	708.0	25	12.3	103	104	104
74/01/23	18 20	3.0	716.0	29	13.3	105	104	104
74/02/14	12 00	3.4	711.0	62	14.1	113	108	109
74/03/12	18 00	3.0	705.0	69	13.7	110	110	110
74/04/10	18 45	5.0	713.0	72	13.3	111	110	110
74/05/07	16 50	8.5	706.0	85	12.4	114	112	112
74/06/07	11 15	9.0	710.0	73	12.4	115	109	110
74/07/12	11 45	11.0	715.0	78	11.5	111	111	111
74/08/27	12 40	16.0	712.0	70	10.5	114	109	110
74/09/13	12 45	16.0	718.0	62	10.9	117	107	109
74/10/17	13 15	12.0	720.0	102	12.6	124	112	114
74/11/21	11 00	10.0	700.0	67	11.4	110	110	110
74/12/17	12 15	7.0	711.0	58	12.2	108	108	108
75/01/23	16 30	5.0	709.0	67	13.5	114	109	109
75/02/26	14 30	3.5	716.0	73	15.2	122	107	110
75/03/24	16 15	4.0	710.0	105	15.2	124	112	115
75/04/24	12 00	5.0	704.0	56	13.0	110	108	108
75/05/28	15 00	10.0	715.0	92	12.4	117	112	113
75/06/17	14 20	10.0	707.0	58	11.4	109	108	108
75/07/22	13 45	17.0	712.0	72	10.0	111	110	110
75/08/20	09 45	12.0	714.0	26	9.7	96	106	104
75/09/16	14 00	11.0	710.0	83	12.0	117	111	112
75/10/14	14 45	9.5	718.0	77	12.4	115	110	111
75/11/18	13 45	9.5	725.0	82	12.2	112	111	111
75/12/18	13 40	8.0	724.0	70	12.6	112	109	110
76/01/14	15 30	5.0	707.0	75	12.9	109	111	111
76/02/11	14 15	3.5	709.0	63	13.2	107	110	109
76/03/22	14 10	3.0	706.0	78	14.7	118	109	111
76/04/12	14 30	6.0	707.0	66	12.8	111	109	109
76/05/25	14 15	8.5	712.0	57	12.0	110	108	108
76/06/23	13 45	9.0	714.0	57	12.4	114	106	108

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/05/11	13 00	8.7	719.9	59	11.4	104	110	108
72/05/30	12 00	9.2	715.7	70	11.5	106	111	110
72/06/15	11 30	11.1	716.7	78	11.0	106	112	111
72/06/30	09 45	11.7	717.7	60	10.80	106	109	108
72/07/14	09 50	13.4	718.4	25	9.83	100	105	103
72/07/31	14 30	12.4	715.8	86	10.80	108	113	112
72/08/15	14 10	14.3	715.0	44	9.85	103	107	106
72/08/31	15 15	14.5	720.5	29	9.23	96	106	104
72/09/15	09 55	12.6	717.2	58	10.39	104	109	108
72/09/29	11 00	12.8	726.0	53	10.30	102	109	107
72/10/31	10 05	9.7	724.3	47	11.10	103	108	106
73/07/26	18 55	16.2	717.0	57	10.0	108	108	108
73/08/30	17 25	12.0	710.0	53	10.9	109	107	107
73/09/18	08 15	12.2	702.0	25	10.0	101	104	104
73/10/17	08 30	11.8	721.0	5	10.1	99	101	101
73/11/15	08 15	6.8	705.0	0	11.4	101	100	100
73/12/13	08 15	3.8	702.0	-2	12.2	100	100	100
74/01/24	08 40	2.4	716.0	13	13.0	101	102	102
74/02/14	13 15	3.4	713.0	38	13.8	111	104	105
74/03/13	08 00	3.2	711.0	30	12.8	102	105	104
74/04/10	15 45	6.0	714.0	46	12.2	105	107	106
74/05/08	08 00	7.0	710.0	54	12.1	107	108	108
74/06/07	07 45	9.0	710.0	46	11.8	109	106	106
74/07/12	09 30	12.0	717.0	37	10.8	107	105	105
74/08/27	10 15	16.0	716.0	20	9.2	99	104	103
74/09/13	11 00	13.5	721.0	8	10.0	101	101	101
74/10/17	11 15	12.0	723.0	32	10.7	105	105	104
74/11/21	14 45	9.5	700.0	48	10.9	104	108	107
74/12/17	10 00	7.0	711.0	20	11.5	102	103	103
75/01/22	18 00	5.0	719.0	39	12.8	106	105	105
75/02/26	13 00	3.0	719.0	31	13.2	104	105	104
75/03/24	15 15	4.5	711.0	46	13.5	112	105	106
75/04/24	10 00	5.0	709.0	22	11.9	100	104	103
75/05/28	17 30	10.0	716.0	58	11.4	107	108	108
75/06/17	17 00	10.0	708.0	48	11.0	105	107	107
75/07/22	17 15	19.0	713.0	47	9.4	108	106	107
75/08/20	13 30	12.5	714.0	50	10.8	108	107	107
75/09/16	17 00	12.0	711.0	46	10.8	107	106	106
75/10/14	17 45	9.5	717.0	45	11.7	109	106	106
75/11/18	15 00	8.0	727.0	44	12.0	106	106	106
75/12/18	14 20	6.5	726.0	42	12.2	104	106	106
76/01/14	11 45	4.5	711.0	43	13.0	108	106	106
76/02/11	16 30	3.5	710.0	42	13.0	105	106	106
76/03/22	17 00	3.0	705.0	45	13.5	108	106	106
76/04/12	17 15	6.0	710.0	48	12.2	105	107	107
76/05/25	17 00	9.0	713.0	41	11.4	105	106	106
76/06/23	16 15	11.0	716.0	43	11.0	106	106	106

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
72/05/11	14 00	8.8	719.5	50	11.2	102	108	107
72/05/30	11 00	10.7	716.1	68	11.0	105	111	110
72/06/15	10 30	11.1	717.4	70	11.0	106	111	110
72/06/30	08 45	12.2	717.9	67	11.05	109	110	109
72/07/14	08 45	14.2	718.5	13	9.19	95	104	102
72/07/31	15 30	14.2	715.2	76	10.24	106	112	111
72/08/15	15 40	14.7	714.5	58	10.15	107	109	108
72/08/31	16 15	18.1	720.6	39	8.83	99	107	105
72/09/15	08 50	12.5	717.6	43	10.27	102	107	106
72/09/29	09 30	12.5	726.7	27	10.10	99	105	104
72/10/31	09 15	9.5	725.0	32	10.27	94	107	104
73/07/26	17 50	18.7	718.0	82	10.2	116	111	111
73/08/30	16 00	13.0	709.0	47	10.3	105	107	107
73/09/18	10 15	12.0	703.0	30	9.8	99	106	104
73/10/17	10 25	11.2	722.0	2	10.7	103	100	100
73/11/15	10 00	6.5	704.0	-1	12.3	108	98	100
73/12/13	10 00	2.8	703.0	-9	12.2	98	99	99
74/01/24	10 30	1.4	716.0	3	12.8	97	101	101
74/02/14	14 30	3.4	712.0	21	12.6	101	104	103
74/03/13	09 15	3.5	712.0	31	12.8	103	105	104
74/04/10	16 45	6.0	714.0	38	11.9	102	106	105
74/05/08	09 00	8.0	710.0	57	11.6	105	109	108
74/06/07	08 45	9.0	711.0	52	11.5	106	108	107
74/07/12	08 30	12.5	717.0	34	10.4	104	105	105
74/08/27	09 15	17.0	717.0	24	9.2	101	104	103

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER AT PORTHILL (RM 105.6) USACOE/USGS DATA  
 USGS STATION NO.

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
74/09/13	10 00	14.5	722.0	5	9.7	100	101	101
74/10/17	10 15	10.0	723.0	20	10.8	101	103	103
74/11/21	13 30	9.0	700.0	28	11.0	103	104	104
74/12/17	08 45	7.0	711.0	9	11.5	102	101	101
75/01/22	16 30	5.0	719.0	2	12.4	103	100	100
75/02/26	12 00	3.0	719.0	26	13.2	104	104	104
75/03/24	14 15	5.0	712.0	33	13.8	116	102	105
75/04/24	09 00	6.0	710.0	36	11.9	103	106	105
75/05/28	16 45	10.0	717.0	54	11.4	107	108	108
75/06/17	16 00	11.0	709.0	44	10.5	102	107	106
75/07/22	16 15	20.5	713.0	39	9.0	107	105	105
75/08/20	13 00	18.5	715.0	24	8.4	96	106	103
75/09/16	15 45	12.5	711.0	51	10.8	109	107	107
75/10/14	16 30	9.5	719.0	33	11.2	104	105	105
75/11/18	16 15	7.0	728.0	7	11.1	96	102	101
75/12/18	15 15	5.0	726.0	13	12.1	99	103	102
75/01/14	13 30	4.5	708.0	27	12.4	103	104	104
76/02/11	15 30	3.5	710.0	18	13.3	107	101	103
76/03/22	16 10	3.5	706.0	35	13.4	109	104	105
76/04/12	16 15	6.0	709.0	44	12.4	107	106	106
76/05/25	15 15	10.0	715.0	34	10.8	102	106	105
76/06/23	15 30	13.0	716.0	33	10.6	107	104	105

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER (RM 218.5) MONTANA DEPARTMENT FISH AND GAME DATA

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
73/03/09	10 55	1.2	700.0	245	15.8	122	139	135
73/03/12	17 25	1.2	699.1	220	15.2	117	136	131
73/03/13	10 05	1.2	704.0	220	14.7	112	137	131
73/03/13	17 05	1.4	704.2	213	16.3	125	132	130
73/03/14	09 00	1.1	708.9	220	15.6	118	135	131
73/03/14	16 00	1.5	707.0	230	16.7	128	134	133
73/03/15	09 45	1.1	711.0	219	16.1	122	134	131
73/03/15	16 30	1.1	710.1	251	16.9	128	138	135
73/03/16	09 50	1.1	707.0	266	16.9	128	140	138
73/03/16	16 00	1.7	701.2	251	16.5	129	138	136
73/03/17	08 40	1.1	701.1	255	16.2	124	140	136
73/03/18	09 10	1.1	705.8	217	16.2	123	133	131
73/03/19	09 45	1.2	703.5	235	16.1	123	136	133
73/03/19	14 20	2.1	700.6	230	16.5	130	134	132
73/03/20	10 50	1.6	698.3	253	16.5	129	139	136
73/03/20	14 20	2.1	696.0	242	16.8	133	136	135
73/03/22	10 10	1.7	705.1	233	15.9	123	136	133
73/03/24	11 40	2.5	711.9	262	17.6	138	137	137
73/03/26	14 20	2.8	703.0	247	16.3	131	137	135
73/03/28	14 00	2.5	707.8	261	16.0	126	140	137
73/03/30	11 10	3.1	697.2	225	15.0	122	135	132
74/01/03	13 45	5.0	710.0	201	16.7	140	126	128
74/01/10	13 50	5.0	706.0	230	14.9	126	135	133
74/01/24	14 30	5.0	703.0	252	14.7	125	139	136
74/01/31	13 30	4.1	692.0	160	13.8	116	125	123
74/02/06	14 00	3.8	708.0	290	15.5	127	145	141

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER (RM 218.5) MONTANA DEPARTMENT FISH AND GAME DATA

DATE	TIME	00010 WATER TEMP CENT	00025 BAROMTRC PRESSURE MM OF HG	00047 TOT PART PRESSURE MM OF HG	00300 DO -- MG/L	00301 DO SATUR PERCENT	73004 NIT + AR GAS SATR % SAT	00048 TOT PART PRESSURE % SAT
74/02/14	13 00	3.7	700.0	275	15.5	128	143	139
74/02/22	12 45	3.5	702.0	312	15.7	128	149	144
74/03/07	14 45	3.4	695.0	339	17.1	141	152	149
74/03/13	11 40	2.8	701.0	326	17.3	138	149	147
74/03/21	11 20	2.7	700.0	315	17.4	140	147	145
74/03/26	09 00	2.9	700.0	267	16.4	132	140	138
74/04/17	10 00	4.0	705.0	285	--	--	--	140
74/04/25	09 40	5.0	700.0	315	16.2	138	147	145
74/05/01	10 51	6.0	697.0	306	15.7	138	146	144
74/05/28	10 30	8.4	701.0	308	15.13	140	146	144
74/06/03	13 55	8.5	698.0	306	14.61	136	147	144
74/06/11	09 08	8.9	703.0	275	14.19	133	142	139
74/06/17	09 55	9.1	696.0	279	14.3	136	142	140
74/07/02	10 05	10.1	699.0	195	12.5	121	130	128
74/07/08	11 00	9.6	697.0	220	13.2	127	133	132
74/07/19	10 15	10.5	704.0	244	13.0	126	138	135
74/09/05	10 19	15.4	702.0	179	11.2	122	127	126

TABLE 159  
 TABLE GAS SATURATION DATA KOOTENAI RIVER BELOW RIVERSIDE (RM 215.5) MONTANA DEPARTMENT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO -- SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/03/19	09 15	1.2	704.0	180	15.1	116	129	126
73/03/19	14 50	2.2	701.0	205	16.8	133	129	129
73/03/20	10 20	1.2	700.0	190	15.0	115	131	127
73/03/20	14 50	2.8	696.0	210	16.7	135	129	130
73/03/21	10 20	1.7	699.8	170	14.8	116	127	124
73/03/22	10 00	1.7	705.7	176	14.9	115	128	125
73/03/22	15 30	2.8	706.0	204	16.6	132	128	129
73/03/23	10 00	2.1	715.0	175	14.8	114	127	124
73/03/23	15 55	2.8	713.5	201	16.1	127	129	128
73/03/24	11 15	2.2	712.6	200	15.2	118	131	128

TABLE 159  
 TABLE GAS SATURATION DATA KOOTENAI RIVER (RM 211.6) MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO -- SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/03/07	15 15	2.2	706.0	163	17.1	134	120	123
73/03/08	08 45	0.7	710.0	100	13.8	103	117	114
73/03/08	15 05	2.7	706.3	165	17.8	141	119	123
73/03/09	10 05	1.1	700.8	116	15.1	116	117	117
73/03/12	16 55	1.7	700.8	137	15.3	119	120	120
73/03/13	09 25	1.2	704.0	121	14.4	110	119	117
73/03/13	16 35	2.9	704.2	144	16.9	135	117	120
73/03/14	10 00	1.4	709.9	101	14.3	109	116	114
73/03/14	16 30	2.3	708.3	137	17.0	133	116	119
73/03/15	09 15	1.1	712.0	120	15.4	116	117	117
73/03/15	16 00	2.2	711.7	154	17.9	139	117	122
73/03/16	09 10	0.6	709.0	111	15.4	115	116	116
73/03/16	15 35	2.8	703.2	184	18.1	145	122	126
73/03/17	09 20	1.1	702.6	125	15.2	116	118	118
73/03/18	10 10	1.1	706.4	119	16.3	124	115	117
73/03/19	10 15	1.2	704.0	141	16.9	129	118	120
73/03/19	15 15	2.8	701.5	170	19.0	153	117	124
73/03/20	09 50	1.2	701.0	125	15.9	122	117	118
73/03/20	15 20	3.9	697.0	181	19.2	160	117	126
73/03/21	11 00	2.8	700.7	153	16.6	133	119	122
73/03/22	09 20	1.7	706.2	125	15.1	117	118	118
73/03/22	15 00	3.3	706.0	165	18.3	148	117	123
73/03/23	09 30	2.2	716.0	124	15.3	118	117	117
73/03/23	15 55	3.3	714.2	150	17.6	141	116	121
73/03/24	10 50	2.5	713.5	151	16.5	129	119	121
73/03/26	15 00	3.3	704.3	142	16.2	131	118	120
73/03/28	14 30	3.6	709.0	160	16.3	132	120	123
73/03/30	11 50	2.8	698.2	145	15.4	124	120	121

TABLE 159  
 TABLE GAS SATURATION DATA KOOTENAI RIVER (RM 211.6) MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO -- SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
74/01/03	15 00	3.4	711.0	110	16.1	129	112	115
74/01/10	14 05	4.9	707.0	212	14.4	121	133	130
74/01/24	15 05	3.9	704.0	120	13.4	110	119	117
74/01/31	14 15	3.9	692.0	115	13.2	111	118	117
74/02/06	14 50	3.9	708.0	225	14.8	121	135	132
74/02/14	13 45	3.8	701.0	230	14.9	123	136	133
74/02/22	13 30	3.7	703.0	246	15.6	128	137	135
74/03/07	13 50	3.4	696.0	265	16.5	136	139	138
74/03/13	10 45	2.9	702.0	258	16.4	132	138	137
74/03/21	10 30	2.6	701.0	197	15.8	126	129	128
74/03/26	09 45	3.2	701.0	160	15.2	123	123	123
74/04/17	11 00	4.1	707.0	232	--	--	--	133
74/04/25	10 45	5.5	701.0	227	14.9	128	134	132
74/05/01	11 28	6.3	697.5	250	14.8	130	138	136
74/05/28	11 30	8.5	702.0	236	13.42	124	137	134
74/06/03	14 30	8.9	699.0	237	13.85	130	136	134
74/06/11	09 50	9.0	704.0	212	13.09	122	133	130
74/06/17	10 39	9.4	696.0	202	12.97	124	131	129
74/07/02	12 00	10.1	700.0	177	12.4	120	127	125
74/07/08	11 45	11.3	698.0	153	11.9	119	123	122
74/07/19	10 55	11.2	704.0	154	11.5	113	125	122
74/09/05	11 06	15.4	702.0	151	10.7	116	123	122

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER ABOVE KOOTENAI FALLS (RM 194.5) MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
78/04/17	14 30	5.6	705.5	17	9.4	81	108	102
78/04/18	16 45	6.7	706.0	41	9.3	82	112	107
78/06/22	09 45	11.7	706.0	14	9.8	97	103	102
78/06/22	14 45	13.3	696.0	39	9.7	101	107	106
78/07/12	12 00	12.8	704.0	31	7.6	78	112	104
78/07/12	16 15	13.9	701.5	49	11.1	117	105	107
78/07/13	10 30	13.3	703.0	29	10.4	108	103	104
78/07/13	15 30	14.4	701.0	47	10.7	114	105	107
78/07/14	08 45	12.2	704.0	11	10.0	101	102	102
78/07/14	16 00	14.4	701.0	50	10.8	115	105	107
78/07/17	10 30	12.8	702.0	17	10.0	103	102	102
78/07/17	15 15	13.9	703.0	35	10.5	110	104	105
78/07/25	14 00	15.0	701.0	52	10.5	113	106	107

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER (RM 105.6) USACOE/USGS DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/03/09	10 55	1.2	700.0	245	15.8	122	139	135
73/03/12	17 25	1.2	699.1	220	15.2	117	136	131
73/03/13	10 05	1.2	704.0	220	14.7	112	137	131
73/03/13	17 05	1.4	704.2	213	16.3	125	132	130
73/03/14	09 00	1.1	708.9	220	15.6	118	135	131
73/03/14	16 00	1.5	707.0	230	16.7	128	134	133
73/03/15	09 45	1.1	711.0	219	16.1	122	134	131
73/03/15	16 30	1.1	710.1	251	16.9	128	138	135
73/03/16	09 50	1.1	707.0	266	16.9	128	140	138
73/03/16	16 00	1.7	701.2	251	16.5	129	138	136
73/03/17	08 40	1.1	701.1	255	16.2	124	140	136
73/03/18	09 10	1.1	705.8	217	16.2	123	133	131
73/03/19	09 45	1.2	703.5	235	16.1	123	136	133
73/03/19	14 20	2.1	700.6	230	16.5	130	134	132
73/03/20	10 50	1.6	698.3	253	16.5	129	139	136
73/03/20	14 20	2.1	696.0	242	16.8	133	136	135
73/03/22	10 10	1.7	705.1	233	15.9	123	136	133
73/03/24	11 40	2.5	711.9	262	17.6	138	137	137
73/03/26	14 20	2.8	703.0	247	16.3	131	137	135
73/03/28	14 00	2.5	707.8	261	16.0	126	140	137
73/03/30	11 10	3.1	697.2	225	15.0	122	135	132
74/01/03	13 45	5.0	710.0	201	16.7	140	126	128
74/01/10	13 50	5.0	706.0	230	14.9	126	135	133
74/01/24	14 30	5.0	703.0	252	14.7	125	139	136
74/01/31	13 30	4.1	692.0	160	13.8	116	125	123
74/02/06	14 00	3.8	708.0	290	15.5	127	145	141

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER ABOVE PIPE CREEK (RM 201.5) MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/03/07	08 00	1.4	710.8	40	12.8	98	108	106
73/03/08	14 20	2.8	707.1	142	17.4	139	115	120
73/03/09	08 45	1.6	701.8	35	12.6	98	107	105
73/03/12	15 40	2.0	702.1	104	15.9	125	112	115
73/03/13	08 00	1.4	704.0	45	12.9	99	108	106
73/03/13	15 30	3.9	704.9	124	18.1	149	110	118
73/03/14	11 20	2.0	710.8	88	15.7	122	110	112
73/03/14	17 30	2.8	709.5	115	17.8	141	110	116
73/03/15	07 45	1.5	712.1	42	13.3	101	107	106
73/03/15	14 50	2.8	712.3	131	18.2	144	112	118
73/03/16	07 30	1.1	710.0	46	13.3	101	108	106
73/03/16	14 25	2.8	705.0	125	18.5	148	110	118
73/03/17	10 30	2.2	703.9	94	16.2	127	110	113
73/03/18	11 20	2.2	707.0	121	17.3	135	112	117
73/03/19	11 25	2.2	705.0	111	17.1	134	111	116
73/03/19	16 20	3.2	702.5	130	18.7	151	110	119
73/03/20	08 45	1.7	701.9	70	14.8	115	109	110
73/03/20	16 20	4.3	698.0	125	18.5	155	108	118
73/03/21	12 00	4.4	701.1	145	18.0	151	113	121
73/03/22	08 00	2.3	706.8	53	13.3	104	108	108
73/03/22	11 20	3.1	707.3	130	17.4	140	113	118
73/03/22	14 00	4.4	707.5	135	18.8	156	110	119
73/03/22	17 15	3.9	708.9	109	17.7	145	108	115
73/03/22	20 10	3.7	710.8	71	14.9	121	107	110
73/03/22	23 10	3.4	711.2	55	13.6	109	107	108
73/03/23	02 10	3.3	713.7	45	12.9	103	107	106
73/03/23	05 10	2.8	715.0	39	12.4	98	108	105
73/03/23	08 15	2.7	716.5	45	12.9	101	108	106
73/03/23	14 25	4.4	716.0	143	19.6	161	109	120
73/03/24	09 30	2.2	715.2	80	15.9	123	108	111
73/03/26	16 00	4.2	705.8	132	17.2	142	113	119
73/03/28	15 30	4.4	710.1	131	18.0	149	111	118
73/03/30	12 50	4.4	699.0	125	17.0	143	112	118

TABLE 159  
 GAS SATURATION DATA KOOTENAI RIVER (RM 205.4) MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
73/03/09	09 20	1.1	701.7	81	13.8	106	113	112
73/03/12	16 20	1.6	701.2	110	15.5	120	115	116
73/03/13	08 40	1.1	703.9	81	13.2	101	115	112
73/03/13	16 00	3.2	704.8	140	17.1	138	115	120
73/03/14	10 50	1.4	710.3	90	14.2	108	114	113
73/03/14	17 00	2.3	709.1	119	16.9	132	113	117
73/03/15	08 40	1.1	712.2	85	14.1	106	114	112
73/03/15	15 20	1.7	712.1	135	16.9	130	116	119
73/03/16	08 15	0.6	709.5	77	14.2	106	112	111
73/03/16	15 00	2.2	704.0	125	16.1	127	116	118
73/03/17	10 00	1.7	703.2	90	14.6	113	113	113
73/03/18	10 50	1.1	706.9	119	15.3	116	117	117
73/03/19	10 50	1.1	704.6	100	15.3	117	114	114
73/03/19	15 45	2.2	702.0	145	17.8	140	116	121
73/03/20	09 15	1.1	701.2	93	14.4	110	114	113
73/03/20	15 50	3.3	697.0	145	17.3	142	116	121
73/03/21	11 30	2.8	700.9	120	15.4	124	116	117
73/03/22	08 30	2.2	706.6	90	14.1	111	114	113
73/03/22	14 30	3.3	707.0	135	17.1	138	114	119
73/03/23	08 55	2.2	716.0	86	14.0	108	113	112
73/03/23	14 55	3.9	715.0	140	17.3	140	114	120
73/03/24	10 25	2.0	714.7	96	15.0	116	113	113
73/03/26	15 30	3.3	705.0	118	15.5	125	115	117
73/03/28	15 00	3.3	709.7	125	15.7	126	116	118
73/03/30	12 20	2.8	698.0	105	14.7	119	114	115

## GAS SATURATION DATA

TABLE 159  
KOOTENAI RIVER ABOVE PIPE CREEK (RM 201.5)

## MONTANA DEPT FISH AND GAME DATA

DATE	TIME	00010	00025	00047	00300	00301	73004	00048
		WATER TEMP CENT	BAROMTRC PRESSURE MM OF HG	TOT PART PRESSURE MM OF HG	DO -- MG/L	DO DO SATUR PERCENT	NIT + AR GAS SATR % SAT	TOT PART PRESSURE % SAT
74/01/03	12 50	2.5	712.0	55	15.8	124	104	108
74/01/10	15 00	4.7	707.0	125	13.7	115	119	118
74/01/24	15 40	4.0	704.0	65	12.5	103	111	109
74/01/31	15 00	3.9	694.0	80	12.7	106	113	112
74/02/06	14 30	3.9	709.0	165	14.1	115	126	123
74/02/14	14 30	3.9	701.0	165	14.1	117	127	124
74/02/22	14 15	3.7	704.0	160	14.8	121	123	123
74/03/07	13 00	3.2	697.0	195	16.5	135	127	128
74/03/13	09 30	2.9	703.0	171	16.3	131	123	124
74/03/21	09 30	2.6	702.0	116	14.5	116	117	117
74/03/26	10 30	3.2	702.0	101	14.5	118	114	114
74/04/17	12 00	4.4	706.0	170	--	--	--	124
74/04/25	11 30	5.8	702.0	167	14.0	121	125	124
74/05/01	12 45	7.2	699.0	190	13.8	125	128	127
74/05/28	12 35	9.4	703.0	199	12.69	120	131	128
74/06/03	15 17	9.6	700.0	193	13.70	131	127	128
74/06/11	10 32	9.5	705.0	161	12.33	117	125	123
74/06/17	11 22	9.9	697.0	164	12.30	119	125	124
74/07/02	12 45	10.1	700.0	167	12.0	116	126	124
74/07/08	12 45	11.3	699.0	109	11.0	109	118	116
74/07/19	11 38	13.0	705.0	127	11.8	121	118	118
74/09/05	11 46	15.8	703.0	119	10.4	114	118	117



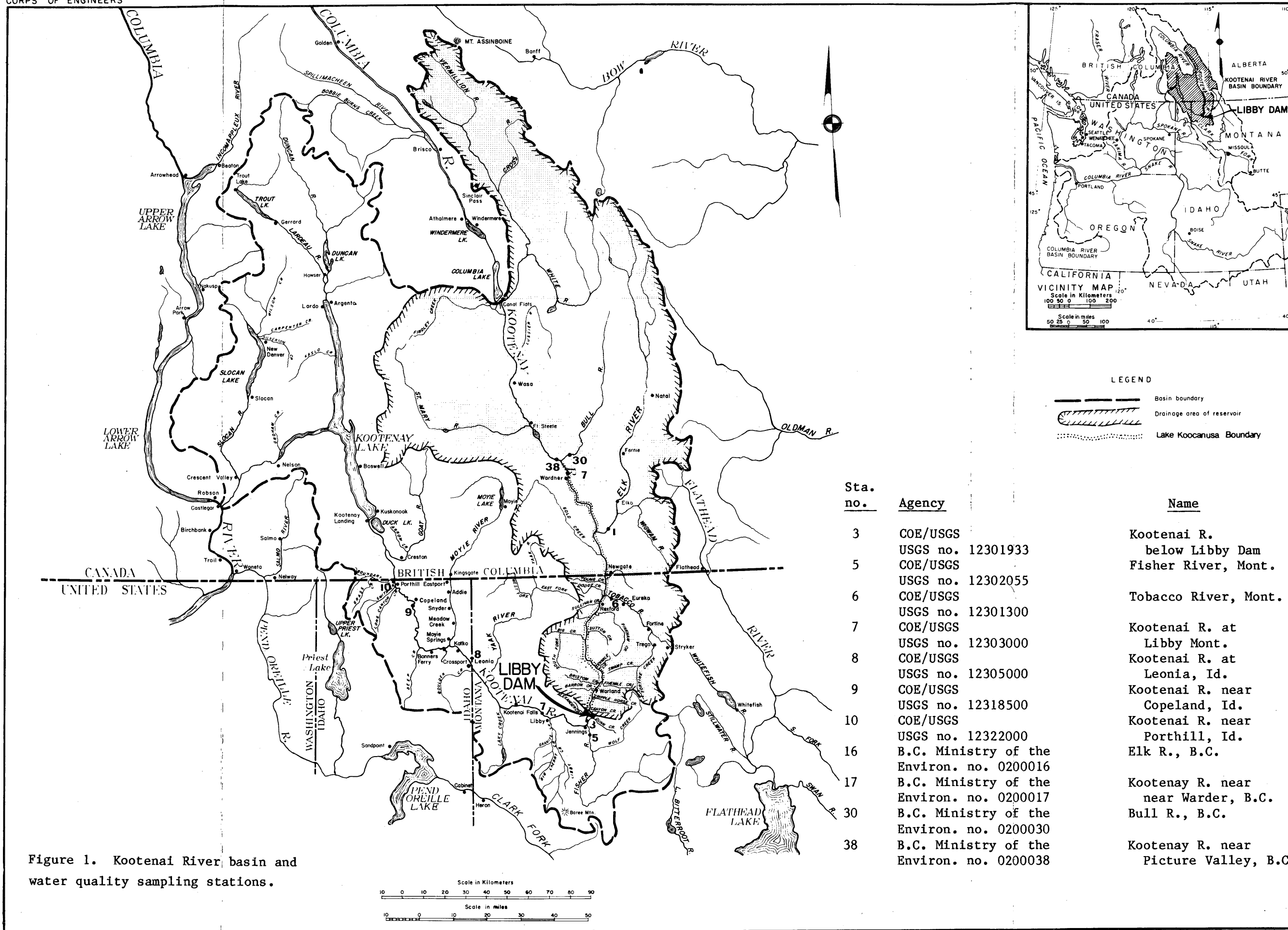


Figure 1. Kootenai River basin and water quality sampling stations.