1975

ENVIRONMENTAL MONITORING AND BASELINE DATA

Compiled under the

SMITHSONIAN INSTITUTION

ENVIRONMENTAL SCIENCES PROGRAM

Temperate Studies

Rhode River, Maryland

Edited by David L. Correll

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* Monitored on strip charts at dock by Robert Cory, U. S. G. S.

** Published separately as daily maximum and minimum values as U. S. G. S. data file report

Another major interaction of the Rhode River ecosystem is the exchange of water masses with the open bay. This maintains the salinity gradient and determines many of the properties of the estuary. Map number 3 illustrates the aquatic system with channel axes and axial distances marked. Map number 4 illustrates the estuarine sampling stations and transects in the Rhode River. These are the stations used for integrated data collection for the development of estuarine models.

In 1974 and 1975 extensive estuarine research was conducted on the South River subestuary of the Chesapeake Bay. Map number 5 shows the stations and transects used in this work. The goal of this short-term research was to evaluate a comparative approach to estuarine modeling.

In 1966 the Smithsonian Institution was given the first of a group of Islands in Chesapeake Bay called the Poplar Island Group (map 6). Some research has been conducted there over the intervening years and will be included in this report.

This report is primarily a guide to the research data collected during 1975. In the interest of practicality, all data which is currently scheduled to be included in the Center's computer data bank on magnetic tape will only be described sufficiently for interested parties to identify what is in the bank and whether it would be of interest to retrieve it. Other categories of data will be handled as in previous yearly reports.

Figure 1. Map of the Chesapeake Bay area. An arrow points to the location of the Rhode River subestuary. The South River subestuary is immediately to the north. The Poplar Islands are enclosed in a circle.

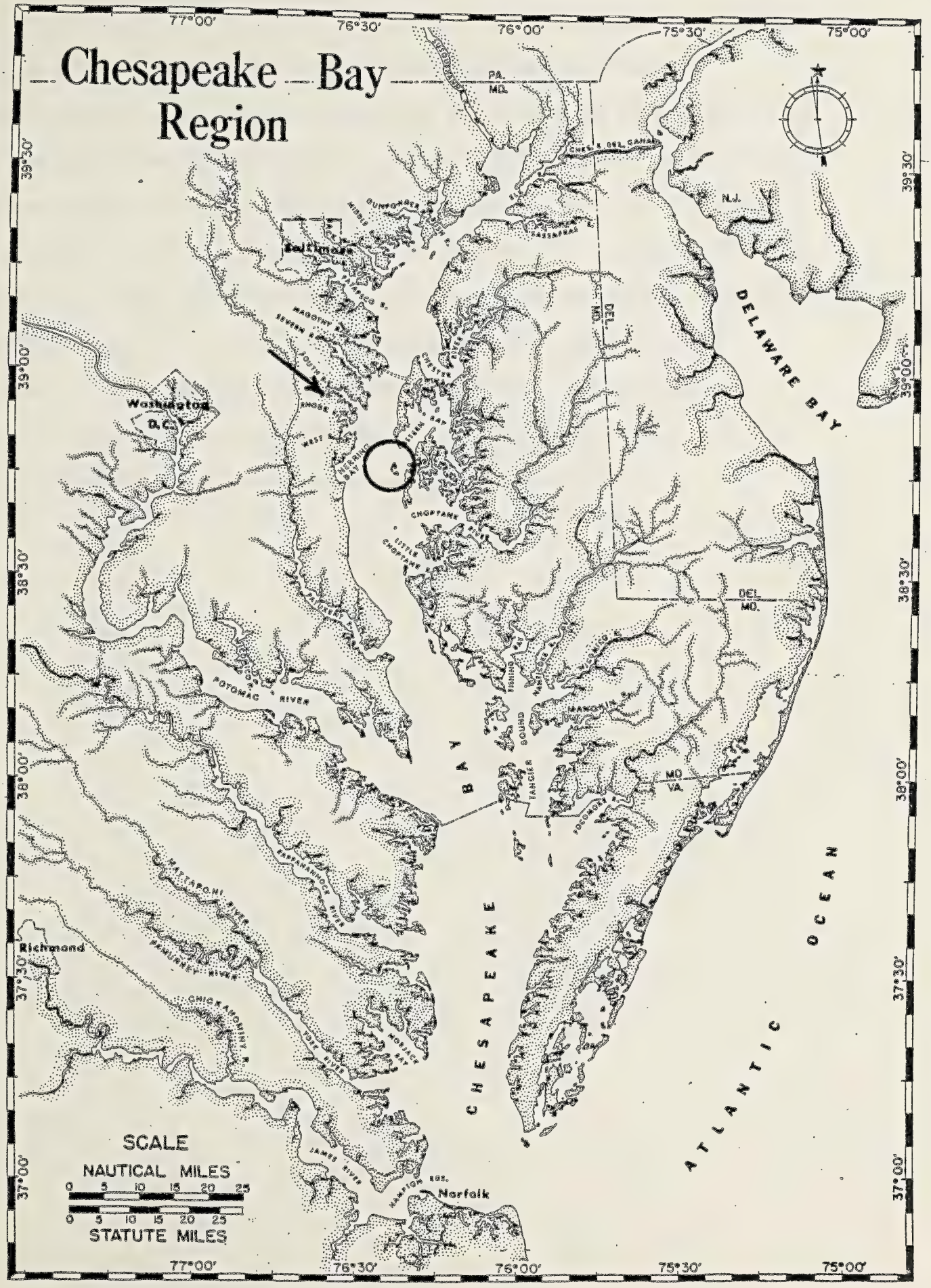
Chesapeake Bay Region
77°00'
76°30'
76°00'
75°30'
75°00'
39°30'
39°00'
38°30'
38°00'
37°30'
37°00'
PA.
MD.
DEL.
N.J.
VA.
Baltimore
Washington D.C.
Richmond
Norfolk
DELAWARE BAY
CHESAPEAKE BAY
ATLANTIC OCEAN
POTOMAC RIVER
CHOPTANK RIVER
SCALE
NAUTICAL MILES
0 5 10 15 20 25
0 5 10 15 20 25
STATUTE MILES

Figure 2. Map of the watershed of the Rhode River subestuary of Chesapeake Bay. Subwatershed boundaries are delineated with dashed lines. Stream-gauging notch weirs, with automated discharge rate-recording and volume-integrated water sampling instrumentation are now operating at locations 1, 2, 3, SL, F, NSC, and SSC. A tidal flux station with recording current meter and tide gauge interfaced with volume-integrated water samplers for incoming and for outgoing tidal waters are now operating at station MBS (Muddy Creek main branch flux section). D is the location of the Smithsonian boat dock. The metric X-Y grid of the watershed/estuary is marked on the margins in kilometers.

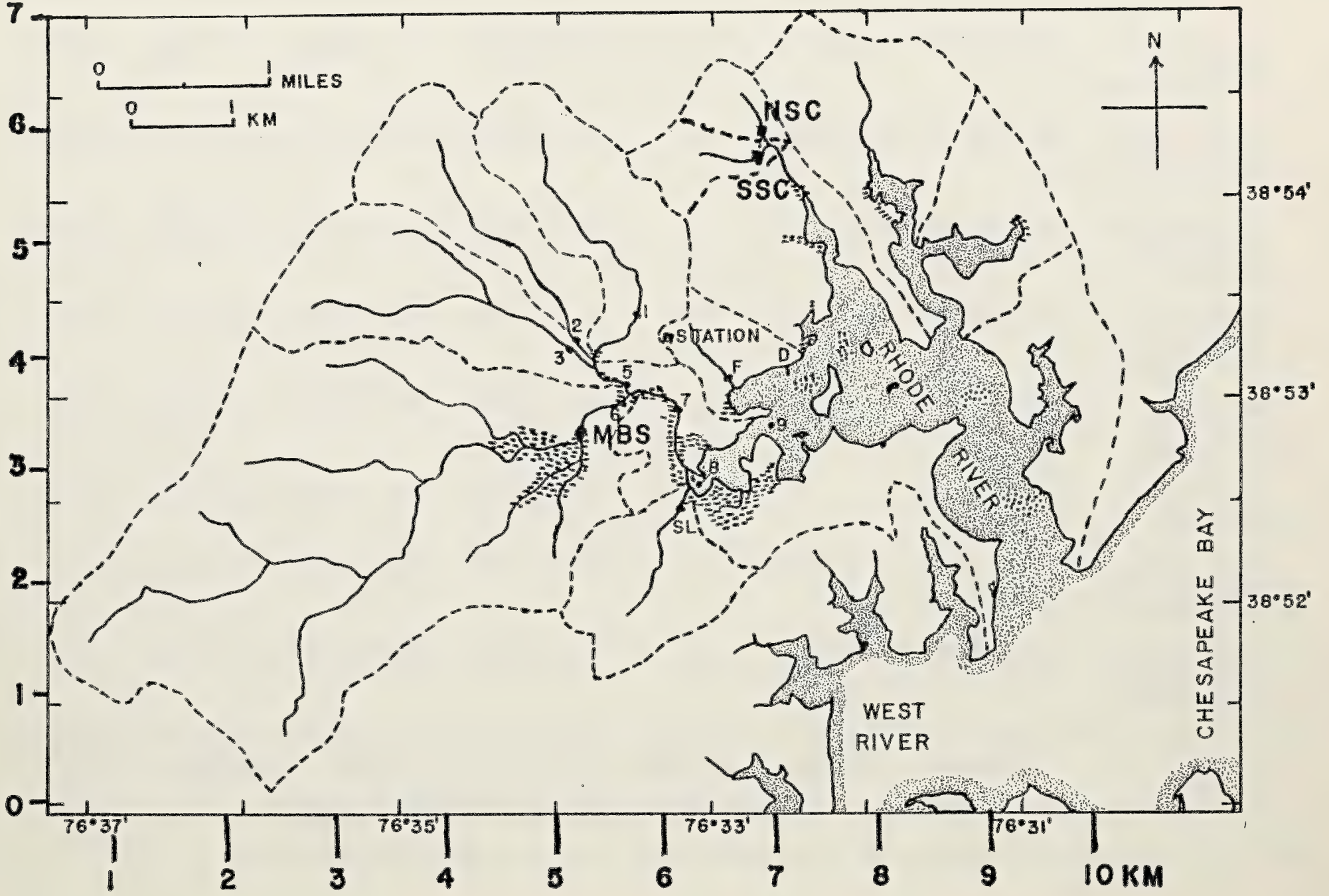
0 MILES
0 KM
N
NSC
SSC
MBS
STATION
1
2
3
5
6
7
8
9
D
F
RHODE RIVER
WEST RIVER
CHESAPEAKE BAY
SL
38°54'
38°53'
38°52'
76°37'
76°35'
76°33'
76°31'
0 1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9 10 KM

Table 1. Land Use Analysis of Rhode River Basins Monitored in 1975. (See map #2 for locations).

	Basin	Hectares in each land use category in 1972						
		Cultivated Crops	Wet Areas (fresh)	Wet Areas (tidal)	Forest & brush land	Pasture land	Residential & other	Total area (ha)
I	North Branch Sellman Creek Weir (NSC)	12.5 (33.3%)	0	0	14.5 (38.8%)	10.3 (27.6%)	0.13 (0.3%)	37.4
II	South Branch Sellman Creek Weir (SSC)	27.9 (31.5%)	0.17 (0.2%)	0	39.8 (44.9%)	15.8 (17.8%)	5.1 (5.7%)	88.7
III	Fox Creek Weir (F)	2.3 (8.0%)	0	0	24.4 (83.0%)	2.2 (7.5%)	0.43 (1.5%)	29.4
IV	North Branch Muddy Creek Weir (#1)	69.7 (29.1%)	1.9 (0.8%)	0	107.7 (45.0%)	46.9 (19.6%)	13.2 (5.5%)	239.4
V	Blue Jay Branch Muddy Creek Weir (#2)	47.2 (26.2%)	2.0 (1.1%)	0	92.6 (51.4%)	27.3 (15.2%)	11.0 (6.1%)	180.1
VI	Williamson Branch Muddy Creek Weir (#3)	18.2 (7.2%)	0.45 (0.2%)	0	188.5 (74.1%)	31.8 (12.5%)	15.5 (6.1%)	254.4
VII	Main Branch Muddy Creek flux section (MBS)	260.0 (21.2%)	59.0 (4.8%)	0	671.1 (54.6%)	144.0 (11.7%)	94.8 (7.7%)	1229.0
VIII	Steinlein Branch Muddy Creek Weir (SL)	62.0 (42.2%)	0.36 (0.2%)	0	72.9 (49.7%)	7.4 (5.0%)	4.1 (2.8%)	146.8

Figure 3. Map of the Rhode River subestuary of Chesapeake Bay. The names of the various arms of Rhode River are given. Channel axes are drawn in with axial distances in kilometers from the mouths upstream.

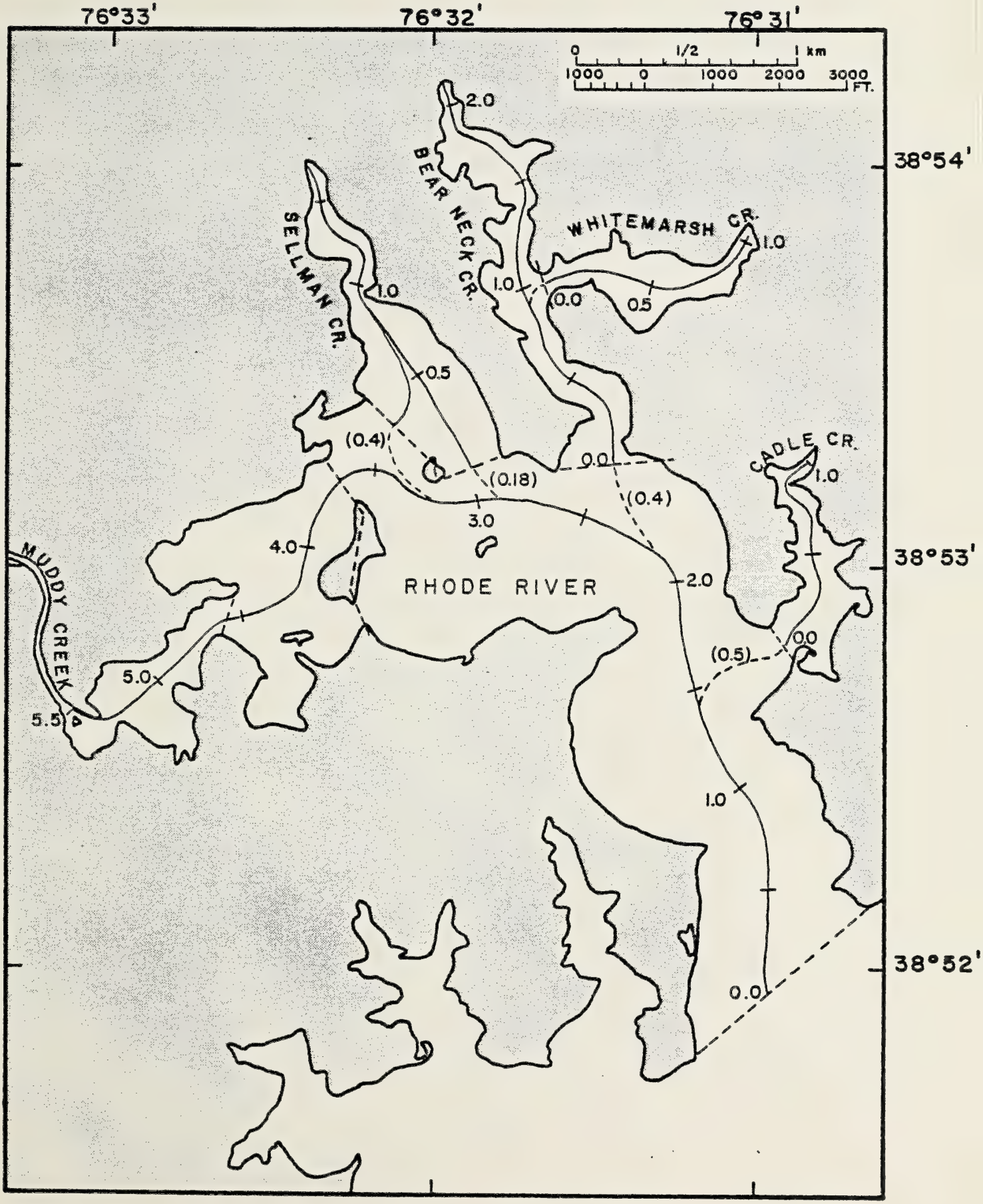
76°33'
76°32'
76°31'
0 1/2 1 km
1000 0 1000 2000 3000 FT.
38°54'
38°53'
38°52'
SELLMAN CR.
BEAR NECK CR.
WHITEMARSH CR.
CADLE CR.
MUDDY CREEK
RHODE RIVER
2.0
1.0
0.5
(0.4)
(0.18)
0.0
3.0
4.0
5.0
5.5
(0.5)

Figure 4. Map of the Rhode River subestuary of Chesapeake Bay. Transect stations are designated by a terminal T. In general, parameters were measured as vertical profiles or vertically integrated samples at point stations and as horizontally integrated samples or horizontal profiles at transect stations.

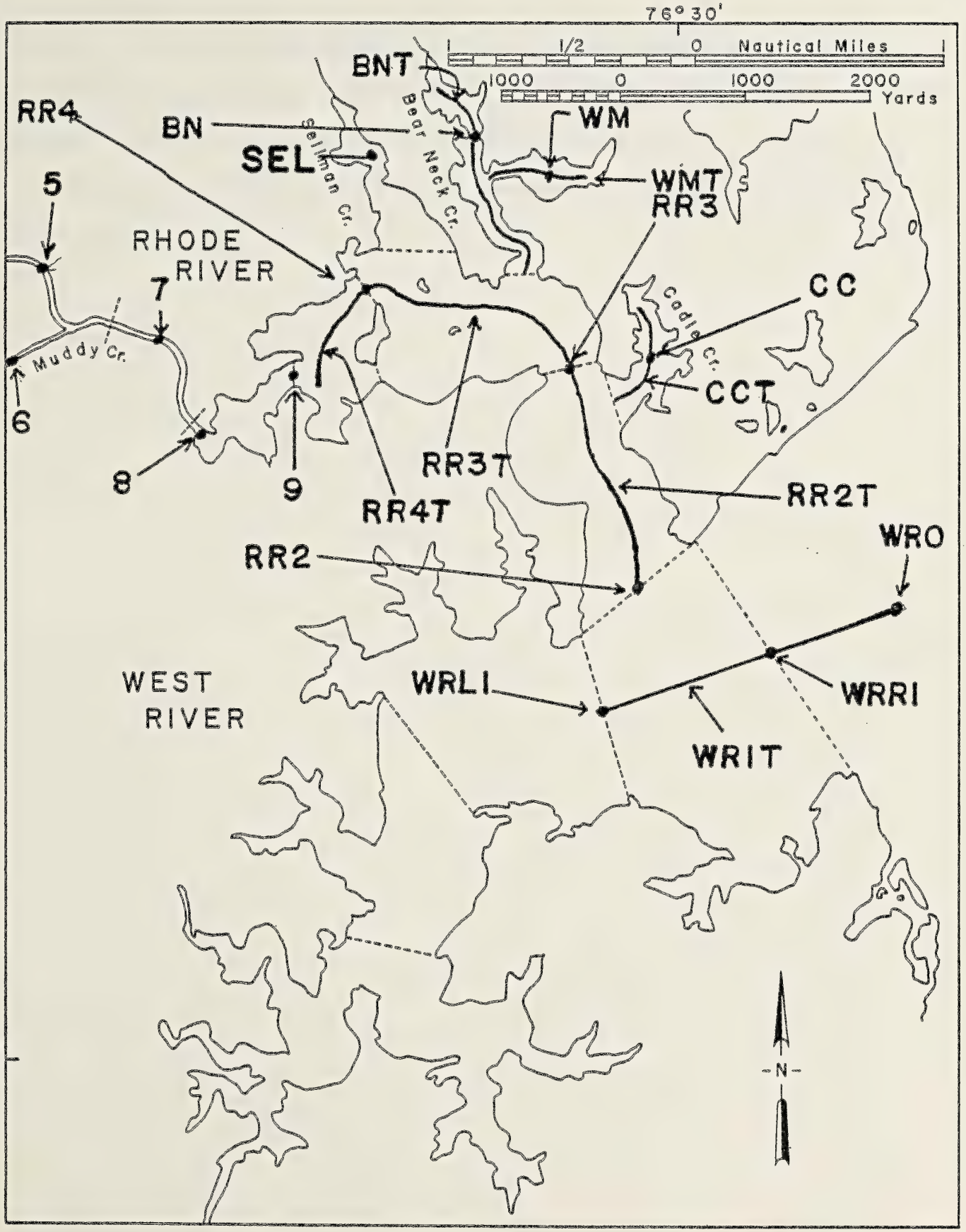
76° 30'
1/2
0
Nautical Miles
1000
0
1000
2000
Yards
BNT
BN
SEL
WM
WMT
RR3
RR4
5
RHODE
RIVER
7
Bear Neck Cr.
Gellman Cr.
CC
Cedar Cr.
CCT
Muddy Cr.
6
8
9
RR3T
RR4T
RR2T
RR2
WRO
WEST
RIVER
WRLI
WRRI
WRIT
38°
50'
N

Figure 5. Map of the South River subestuary of Chesapeake Bay. Transect stations are designated by a terminal T. In general, parameters were measured as vertical profiles or vertically integrated samples at point stations and as horizontally integrated samples or horizontal profiles at transect stations.

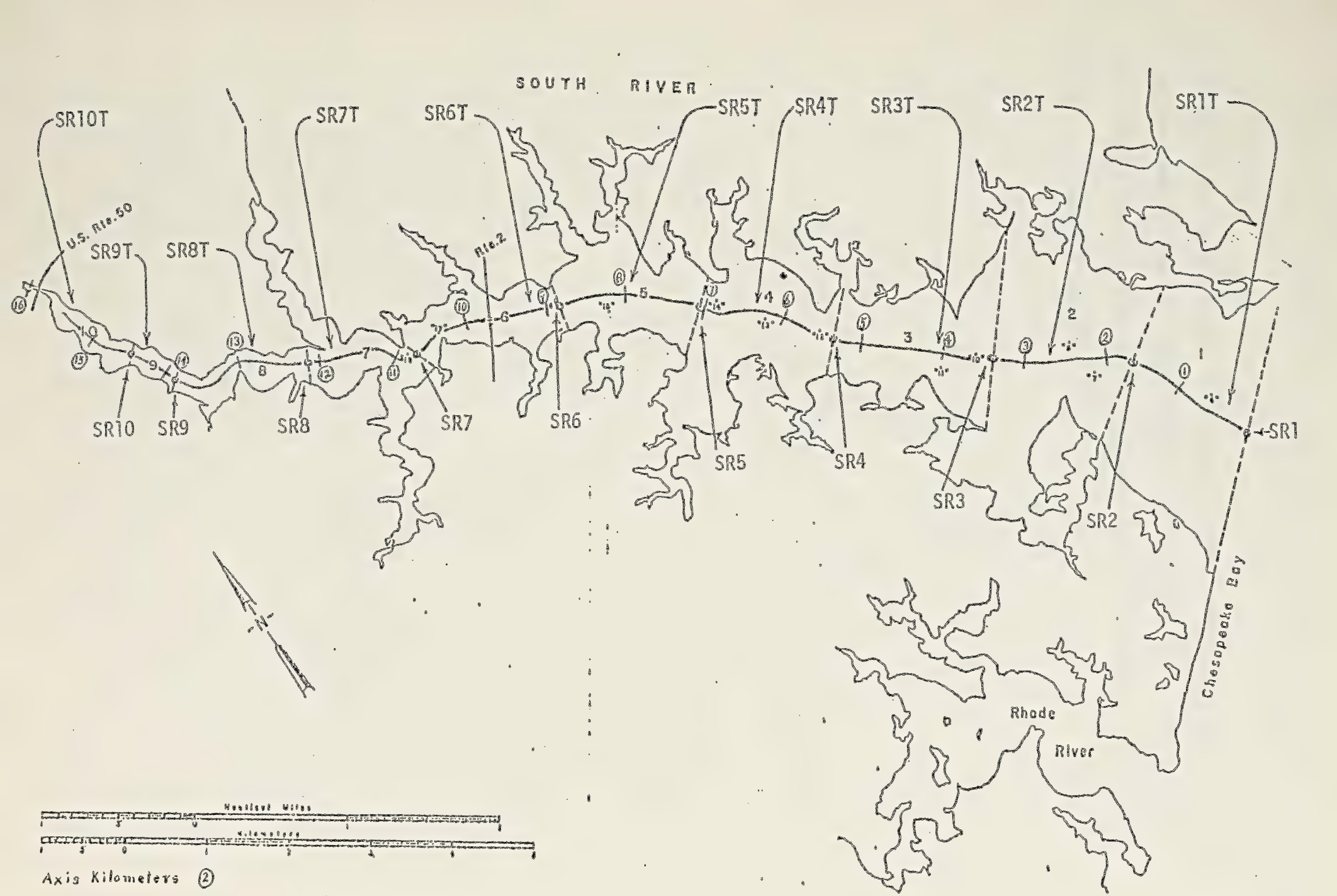
SOUTH RIVER
SR10T
SR9T
SR8T
SR7T
SR6T
SR5T
SR4T
SR3T
SR2T
SR1T
U.S. Rte. 50
Rte. 2
SR10
SR9
SR8
SR7
SR6
SR5
SR4
SR3
SR2
SR1
Chesapeake Bay
Rhode
River
Nautical Miles
Kilometers
Axis Kilometers (2)

Figure 6. Map of the Poplar Island Group with approximate boundaries at various times in the past designated. In 1975 only Coaches Island was not owned by the Smithsonian Institution. For the location of the island group in Chesapeake Bay see figure 1.

POPLAR ISLAND GROUP

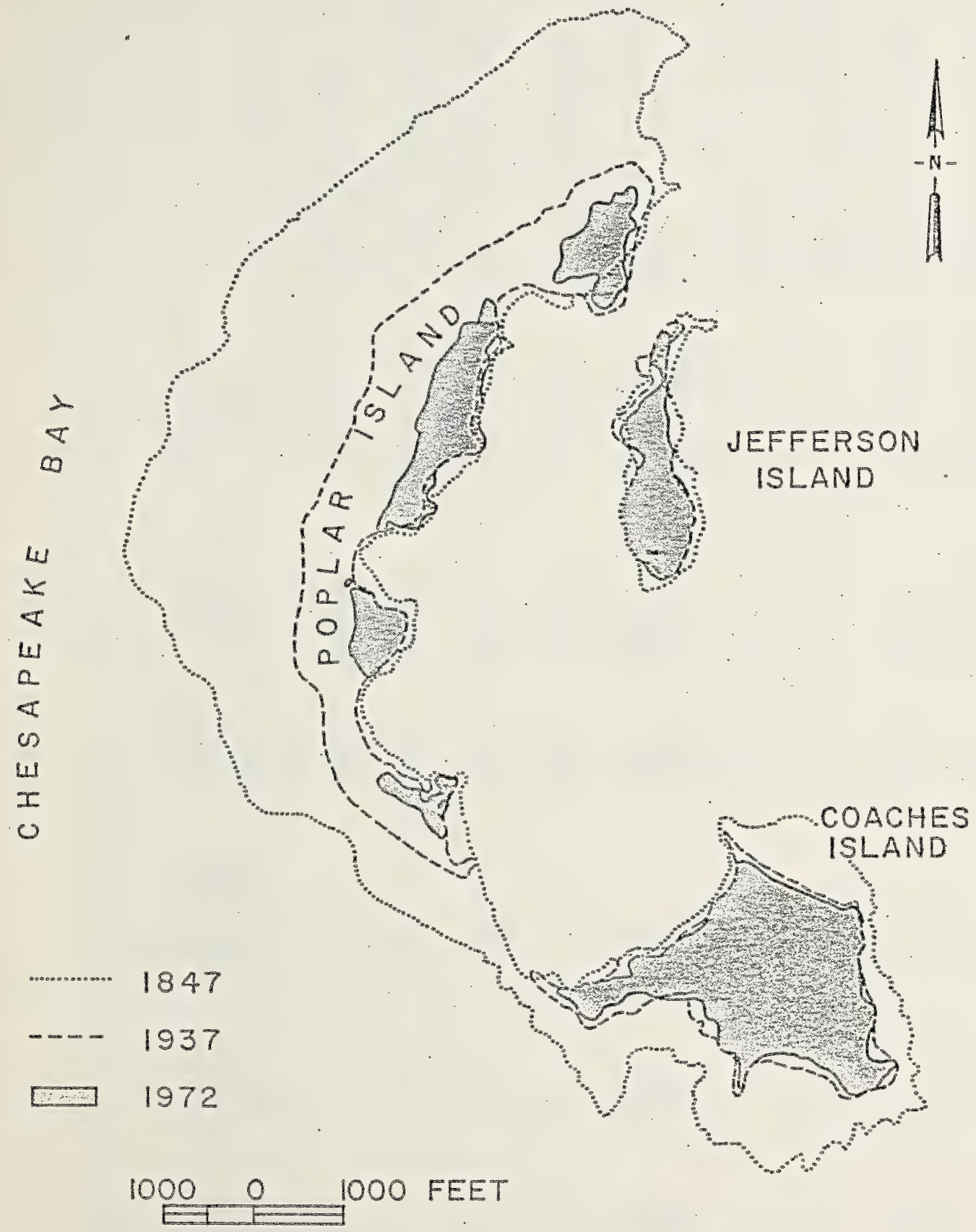

Table 2. Cross Comparison List of Estuarine Stations.

Present station name	Pre 7/74 station name	Comparative study names 7/74 - 7/75	Computer station code	Axial designation (Km)	Rhode River grid location	Description
C5	5	C5	00035	RR 6.8 N	5578 - 3723	North fork of Muddy Creek.
C6	6	C6	00034	RR 6.95	5500 - 3506	Main branch of Muddy Creek above fork.
C7	7	C7	00033	RR 6.15	6084 - 3409	Halfway between C8 and the first fork of Muddy Creek.
C8	8	C8	00032	RR 5.40	6217 - 2868	Downstream end of Muddy Creek channel.
C9	9	C9	00031	RR 4.50	6976 - 3313	Between Fox Point and northern end of Corn Island.
RR4C	NA	NA	030.4	RR 4.3	7169 - 3373	In channel west of northern
RR4B	NA	NA	030.2	RR 4.0	7265 - 3687	end of Big Island.
RR4A	NA	RR4	00030	RR 3.65	7470 - 3976	
NA	10	NA	10	RR 3.95	7229 - 3651	In channel off the end of CBCES dock.
NA	11	NA	11	RR 3.38	7662 - 3964	In channel on line between northern end of Big Island and Flat Island.
RR3B	NA	NA	029.4	RR 3.3	7711 - 3928	Channel near RR7 channel
RR3A	12	RR3	00029	RR 2.1	8952 - 3482	marker.
NA	12.5	NA	0012	RR 1.09	9108 - 2867	Channel near RR4 channel marker.

Table 2. (Continued)

Present station name	Pre 7/74 station name	Comparative study names 7/74 - 7/75	Computer station code	Axial designation (Km)	Rhode River grid location	Description
RR2B	NA	NA	028.4	RR 1.0	9193 - 2675	Center of mouth of RR (line from Dutchman's Point to Cheston Point).
RR2A	13	RR2	00028	RR 0.00	9518 - 1578	
WR1B	NA	NA	022.4	WR 0.6	9843 - 0976	In West River off Cheston Point.
WR1C	NA	WRL1	00023	WR 1.2	9193 - 0723	
WR1A	14	WRR1	00022	RR -1.17 (WR 0.0)	10373 - 1217	Center of mouth of WR (line from Dutchman's Point to Curtis Point
WR0	NA	WR0	00021	WR -1.0	11265 - 1458	WR2 channel marker.
RR4T	NA	RR4T	00042	RR 3.65 - 4.3	*	Transect from RR4 to northeast of Corn Island.
RR3T	NA	RR3T	00041	RR 1.8 - 3.65	*	Transect from RR3 to RR4.
RR2T	NA	RR2T	00040	RR 0.0 - 1.9	*	Transect from RR2 to RR3.
WR1T	NA	WR1T	00026	WR 0.0 - 1.2	*	Transect from WRR1 to WRL1
WRR4	NA	WRR4	00024	WR 4.6 (E)	NA	East of Chalk Point.
WRL4	NA	WRL4	00025	WR 4.7 (W)	NA	West of Chalk Point.
WR4T	NA	WR4T	00027	WR 4.6 (E) - -4.7 (W)	NA	Transect from WRR4 to WRL4.

Table 2. (Continued)

Present station name	Pre 7/74 station name	Comparative study names 7/74 - 7/75	Computer station code	Axial designation (Km)	Rhode River grid location	Description
SEL	SEL	SEL	00036	1.3	7470 - 50072	Sellman Creek.
CCA	NA	NA	038.8	CC 0.0	9398 - 3156	Cadle Creek channel.
CCB	CC	CC	00039	CC 0.5	9590 - 3626	
CCC	NA	NA	039.2	CC 1.0	9494 - 4012	
CCT	NA	CCT	00045	CC 0.0 - 1.0	*	Transect from CC Km 0 to CC Km 1.0.
BNA	NA	NA	036.6	BN 0.0	8651 - 4036	In Bear Neck Creek Channel.
BNB	NA	NA	036.8	BN 0.8	8337 - 4687	
BNC	BN	BN	00037	BN 1.3	8265 - 5265	
BNT	NA	BNT	00043	BN 0.0 - 1.6	*	Transect from BN Km 0 to Bn Km 1.6.
WMA	NA	NA	037.8	WM 0.0	8385 - 4880	In Whitemarsh Creek Channel.
WMB	WM	WM	00038	WM 0.45	8795 - 4892	
WMC	NA	NA	038.2	WM 0.7	8988 - 4892	
WMT	NA	WMT	00044	WM 0.0 - 0.9	*	Transect from WM Km 0 to WM Km 0.9.

* See individual stations.

Table 2. (Continued)

Present station name	Pre 7/74 station name	Comparative study name 7/74 - 7/75	Computer station code	Axial designation (Km)	Rhode River grid location	Description
SR0	NA	SR0	00046	NA	NA	1 mile east from S. River - W. River intersect marker.
SR1	NA	SR1	00047	SR 0.0	NA	Center of mouth of S. River (line from Saunders Point to Marshy Point).
SR2	NA	SR2	00048	SR 1.7	NA	Off inlet to Ramsey Lake (0.4 Km below SR7 channel marker).
SR3	NA	SR3	00049	SR 3.3	NA	0.3 Km downstream from SR10 channel marker.
SR4	NA	SR4	00050	SR 5.4	NA	Off entrance to Harness Creek (0.2 Km downstream from SR12 channel marker).
SR5	NA	SR5	00051	SR 7.1	NA	0.2 Km upstream from SR14 channel marker.
SR6	NA	SR6	00052	SR 8.9	NA	At SR16 channel marker.
SR7	NA	SR7	00053	SR 10.4	NA	At SR18 channel marker.
SR8	NA	SR8	00054	SR 12.4	NA	Between Sylvan Shores and Porter Point.
SR9	NA	SR9	00055	SR 13.7	NA	1.0 Km upstream from Beard's Point.

Table 2. (Continued)

Present station name	Pre 7/74 station name	Comparative study names 7/74 - 7/75	Computer station code	Axial designation (Km)	Rhode River grid location	Description
SR10	NA	SR10	00056	SR 14.7	NA	1.5 Km upstream from Beard's Point.
SR1T	NA	SR1T	00057	SR 0.0 - 1.7	NA	Transect from SR1 to SR2.
SR2T	NA	SR2T	00058	SR 1.7 - 3.3	NA	Transect from SR2 to SR3.
SR3T	NA	SR3T	00059	SR 3.3 - 5.4	NA	Transect from SR3 to SR4.
SR4T	NA	SR4T	00060	SR 5.4 - 7.1	NA	Transect from SR4 to SR5.
SR5T	NA	SR5T	00061	SR 7.1 - 8.9	NA	Transect from SR5 to SR6.
SR6T	NA	SR6T	00062	SR 8.9 - 10.4	NA	Transect from SR6 to SR7.
SR7T	NA	SR7T	00063	SR 10.4 - 12.4	NA	Transect from SR7 to SR8.
SR8T	NA	SR8T	00064	SR 12.4 - 13.7	NA	Transect from SR8 to SR9.
SR9T	NA	SR9T	00065	SR 13.7 - 14.7	NA	Transect from SR9 to SR10
SR10T	NA	SR10T	00066	SR 14.7 - 16.4	NA	Transect from SR10 upstream to depth of 3 feet at MHW (approximately 1.4 Km).
BC	NA	BC	00067	BC 0.8	NA	Broad Creek channel.
BCT	NA	BCT	00068	BC 0.0 - 2.0	NA	Broad Creek transect.

Table 3. Cross Comparison List of Watershed and Upland Stations.

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Spring house	Spring water	00099	5768 - 3793	900' northeast of junction of North and Main forks of Muddy Creek.
Weir 1 (North Branch)	Weir 1 (North Branch)	00101	5732 - 4317	Three tributaries join to form the fork of Muddy Creek. This weir is on the northernmost tributary.
Weir 2 (Blue Jay Branch)	Weir 2 (Blue Jay, Sharps)	00102	5134 - 4098	Middle tributary of north fork of Muddy Creek at intersection with old Muddy Creek road.
Weir 3 (Williamson Branch)	Weir 3 (Williamson)	00103	4744 - 4268	Southernmost tributary of the north fork of Muddy Creek at the intersection with new Muddy Creek road.
C4	Surface station C4	00004	5049 - 3159	Main branch of Muddy Creek at intersection with new Muddy Creek road (upstream of first large culvert south of Mill Swamp road).
Sellman Creek North Branch Weir	Camp Run Weir	00105	7061 - 5878	On northern tributary of Sellman Creek.
Sellman Creek South Branch Weir	Sellman Creek Weir	00106	6927 - 5829	The main (and southernmost) branch of Sellman Creek.

Table 3. (Continued)

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Fox Creek Weir	Fox Creek Weir	00107	6610 - 3780	500' from mouth of the small stream feeding Fox Cove.
Steinlein Creek Weir	Steinlein Creek Weir	00108	5951 - 2366	1,000' upstream of the mouth of Steinlein Creek.
Corn field watershed weir	NA	00109	6098 - 1988	Near the lower end of field-sized watershed composed of four corn fields. A branch of Steinlein Creek.
Pasture watershed weir	NA	00110	5840 - 4723	Field-sized watershed composed only of pasture. A subwatershed of the North Branch of Muddy Creek.
Forest area weir	NA	00111	6025 - 3615	Field-sized watershed composed of only forest. Drains directly into Muddy Creek estuary. Northern portion of intensive study site no. 2.
Main Branch of Muddy Creek Flux section	Main Branch Flux section	00121	5195 - 3207	On the main (southern) fork of Muddy Creek just downstream of the last tributary about 600' downstream from Muddy Creek road.
Fox Point Flux section	Fox Point Flux section	00122	6927 - 3317	Mouth of the sediment trap of Muddy Creek between Fox Point and northern end of Corn Island.

Table 3. (Continued)

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Bear Neck Creek Flux Section	Bear Neck Creek Flux Section	00123	8671 - 4293	Mouth of Bear Neck Creek.
Cadle Creek Flux Section	Cadle Creek Flux Section	00124	9439 - 3171	Mouth of Cadle Creek.
C3 (obsolete) (003)	Surface station C3		5098 - 4037	The southernmost tributary of the north branch of Muddy Creek downstream of where it passes beneath Old Muddy Creek Road.
Intensive study site 1	Forest ecology site #1	0001	6200 - 3000	Hog Island. Mature forest with only minimal disturbance historically (selective logging).
Intensive study site 2	Forest ecology site #2	0002	6100 - 3500	North branch of tidal Muddy Creek. Mature forest with only minimal disturbance historically.
Intensive study site 3	Forest ecology site #3	0003	6800 - 3800	Undisturbed for approximately 130 years, previously site of slave quarters and presettlement Indian villages.
Intensive study site 4	Forest ecology site #4 (also western triangle)	0004	5200 - 4300	Mature forest prior to approximately 1830 - 1840, was intensively cultivated for many years.

Table 3. (Continued)

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Intensive study site 5	Forest ecology site #5	00005	6400 - 3400	Young forest on lands used for cultivated crops prior to about 1940 - 1945.
Intensive study site 6	Forest ecology site #6	00006	6600 - 4000	Young forest on lands used for cultivated crops prior to about 1940 - 1945.
Intensive study site 7	Forest ecology site #7	00007	5900 - 4000	Young forest on lands used for mule pasture prior to about 1940.
Intensive study site 8	Forest ecology site #8	00008	5900 - 4400	Phalaris grass meadow used for pasture prior to about 1940.
Intensive study site 9	Steven's farm field	00009	6800 - 6300	Old field, abandoned on or about 1972.
Intensive study site 10	CBCES lawns	00010	6050 - 4150	Lawns located around buildings, in duck yard and along entrance road.
Intensive study site 11	Steinlein's farm field	00011	5800 - 2500	Old field, abandoned on or about 1968.
Intensive study site 12	Fox Point forest	00012	6900 - 3450	Mature forest on outer end of Fox Point. A residence was located there until recent times.

Table 3. (Continued)

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Intensive study site 14	NA	00014	6400 - 1900	Field-sized watershed composed of four corn fields. A sub-watershed of the Steinlein Creek basin.
Intensive study site 15	Kirkpatrick-howat's pasture	00015	6100 - 4700	Field-sized watershed composed only of cow pasture. A subwater-shed of the North Branch of Muddy Creek basin.
Intensive study site 16	Fox Cove marsh	00016	6500 - 3500	High marsh between Fox Point and dock.
Intensive study site 17	Hog Island marsh	00017	6200 - 3200	High marsh between Hog Island and Fox Point.
Intensive study site 18	Nixon's Nose	00018	7300 - 3100	High marsh on point east of Corn Island.
Intensive study site 19	Track site	00019	6100 - 2800	Low marsh on south shore near channel at mouth of Muddy Creek.
Intensive study site 20	Kirkpatrick marsh	00020	6800 - 2800	High marsh southwest of Corn Island
Intensive study site 21	North Branch swamp	00021	5700 - 4200	Freshwater swamp on North Branch of Muddy Creek just upstream of old entrance road.

Table 3. (Continued)

Present station name	Pre 1975 station name	Computer station code	Rhode River grid location	Description
Intensive study site 22	NA	00022	5900 - 2200	Freshwater swamp on Steinlein Creek upstream of weir.
Intensive study site 23	NA	00023	5900 - 4200	Pine forest on water tower hill west of center.
Intensive study site 24	NA	00024	6400 - 3600	Pine forest east of Fox Point road.

Table 4. Principal Investigator Code List

Investigator	Affiliation	Code
Dr. Rita Colwell	Department of Microbiology University of Maryland College Park, Maryland 20742	001
Dr. David L. Correll	Chesapeake Bay Center for Environmental Studies*	002
Mr. Robert Cory	Oceanographer U. S. Geological Survey, Chesapeake Bay Center for Environmental Studies*	003
Dr. Bert G. Drake	Radiation Biology Laboratory Smithsonian Institution 12441 Parklawn Drive Rockville, Maryland	004
Dr. John H. Falk	Chesapeake Bay Center for Environmental Studies*	005
Dr. Maria A. Faust	Chesapeake Bay Center for Environmental Studies*	006
Dr. W. Ronald Heyer	Department of Vertebrate Zoology Museum of Natural History Smithsonian Institution Washington, D. C. 20560	007
Mr. Daniel Higman	Chesapeake Bay Center for Environmental Studies*	008
Dr. James F. Lynch	Chesapeake Bay Center for Environmental Studies*	009
Ms. Irene Magyar	Department of Zoology University of Maryland College Park, Maryland 20742	010
Mr. Albert D. Maizels	Suite 304, Columbia Medical Bldg. 1835 Eye Street, N. W. Washington, D. C. 20006	011
Ms. Patricia Melhop	Chesapeake Bay Center for Environmental Studies*	012

Table 4. (Continued)

Investigator	Affiliation	Code
Dr. Jack W. Pierce	Sedimentology Department Museum of Natural History Smithsonian Institution Washington, D. C. 20560	013
Dr. Edward J. Pluhowski	U. S. Geological Survey Northeastern Region National Center, Mail Stop #43 Reston, Virginia 22092	014
Mr. Jan Reese	Box 298 St. Michaels, Maryland 21663	015
Mr. Robert Rybczynski	Division of Biological Sciences Neurobiology and Behavior Langmuir Laboratory Cornell University Ithica, New York 14850	016
Dr. Raymond T. Rye	Department of Paleobiology Museum of Natural History Smithsonian Institution Washington, D. C. 20560	017
Dr. Howard H. Seliger	Department of Biology Johns Hopkins University 34th and North Charles Street Baltimore, Maryland 21218	018
Dr. William J. L. Sladen	School of Hygiene and Public Health Johns Hopkins University 615 N. Wolfe Street Baltimore, Maryland 21205	019
Dr. Eugene B. Small	Department of Zoology University of Maryland College Park, Maryland 20742	020
Dr. J. Kevin Sullivan	Chesapeake Bay Center for Environmental Studies*	021
Dr. Theodore W. Suman	Anne Arundel Community College Arnold, Maryland	022
Ms. Marilyn Taub	Department of Zoology University of Maryland College Park, Maryland 20742	023

Table 4. (Continued)

Investigator	Affiliation	Code
Mr. Robert F. Van Dolah	Department of Zoology University of Maryland College Park, Maryland 20742	024
Dr. Ronald Weiner	Department of Microbiology University of Maryland College Park, Maryland 20742	025
Dr. Tung-Lin Wu	Chesapeake Bay Center for Environmental Studies*	026

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Table 5. Research Funding Codes

Source	Code
Chesapeake Bay Center direct federal funding	001
Smithsonian Institution Environmental Sciences Program	002
Smithsonian Research Foundation	003
Smithsonian Fluid Research Fund	004
National Science Foundation	005

Table 6. Analytical Techniques Code List

Parameter and Units	Technique	Code
Flow rate (liters/sec.)	Monitor depth in stilling well of water backed up by sharp-crested V-notch weir (Correll, Pierce and Faust, 1975).	031
Flow rate (liters/sec.)	Monitor tidal current velocity with electromagnetic current meters. Correct for cross-sectional areas with tide gauge-operated cam and potentiometer.	032
Total flow (liters)	Flow rate integrated over time.	033
Water temperature (degrees C)	Mercury thermometer	034
Water temperature (degrees C)	Thermistor	035
pH	Indicator dyes and color comparator	036
pH	Hydrogen electrode	037
Turbidity (Jackson units)	Scattering of columnated white light with Hach turbidimeter.	038
Turbidity (meters)	Secci disc	039
Turbidity (% transmission)	Transmission of white light.	040
Turbidity (% transmission)	Transmission of green light.	041
Light penetration (absorbance)	Measurement of vertical absorbance of incident sunlight in water column.	042
Total and mineral suspended particulates (mg/liter)	Gravimetric on millipore HA filters before and after firing organics (Correll, Pierce and Faust, 1975).	043

Table 6. (Continued)

Parameter and Units	Technique	Code
Total N (µg N/liter)	Sum of organic plus ammonia N (by Kjeldahl) and nitrate plus nitrite N by reduction to nitrite and colorimetry (Correll, Pierce and Faust, 1975).	044
Organic N (including NH_3 (µg N/liter)	Kjeldahl distillation and nesslerization after digestion with H_2SO_4.	045
Ammonia N (µg N/liter)	Oxidation to nitrite and colorimetry.	046
Nitrite + Nitrate N (µg N/liter)	Reduction to nitrite and colorimetry.	047
Nitrite N (µg N/liter)	Colorimetry (by reaction with a diazo dye).	048
Total P (µg P/liter)	Digestion with perchloric acid and colorimetry (ammonium molybdate and stannous chloride reduction.	049
Dissolved total P (µg P/liter)	Total P on millipore HA filtrate.	050
Inorganic P (µg P/liter)	Colorimetry on whole water with no digestion.	
Dissolved inorganic P (µg P/liter)	Colorimetry on millipore HA filtrate with no digestion.	
Total organic matter (g cal./liter)	Wet digestion with chromic acid and titration.	051
Cations (Ni, Cu, Zn, Pb, Cr, Cd, Mn, Fe, K, Ca, Mg)	500 ml sample plus 5 ml concentrate. HNO_3 concentrated to 10 ml by boiling. Assayed by atomic absorption with internal standards.	052
Total and fecal coliform bacteria (MPN/100 ml)	As described in Standard Methods (1971).	053

Table 6. (Continued)

Parameter and Units	Technique	Code
Total and fecal streptococci (#/100 ml)	As described in Standard Methods (1971) and by Millipore Corp. membrane filter technique.	054
Salmonella (#/100 ml)	As described in Standard Methods (1971) and confirmation including serotyping.	055
Total viable heterotrophs (#/ml)	Standard plate counts.	056
Salinity and conductivity (%/mmhos)	Normally determined with an induction type salinometer. Sometimes by titration of halogen ions.	057
Organic carbon (mg c/liter)	Combustion at 550^{o} for 10' purification and weighing of released CO_2.	058
Dissolved oxygen (mg/liter)	Clark-type oxygen electrode or by modified Winkler titration.	059
Chlorophyll a (µg/liter)	Fluorometric assay of 90% acetone extracts by three filter methods before and after acidification (Loftus and Carpenter, 1971).	
Adult and nauplii copepods, rotifers, polychaetes, other macrozooplankton, tintinnids, other microzooplankton	Identified and counted under the microscope with aid of a Sedwick-rafter cell. Fixed in field with Bouin's fixative.	061
Leaf litter parameters	Collected in 1 m^2 boxes, sorted to species, dried 24 hours at 60^{o}, weighed and area measured with a CdS diode leaf area meter.	062

Table 6. (Continued)

Parameter and Units	Technique	Code
Small mammal populations	Animals are trapped with a grid of 100 Sherman live traps at each site, left permanently in place. Mammals are trapped for three nights per month at each site. Animals are identified, permanently marked for future recognititon, weighed, sexed, and their reproductive condition noted. Minimal population densities are estimated from the ratio of trapped animals which previously have been captured and marked: number of unmarked animals.	063
Ant populations	Sweep sampling, litter sampling, baiting, soil coring and general collecting of ants; observation of behavior; monitoring of temperature and humidity in air and soil; mapping of colony location, cover objects, vegetation. Study sites to be marked with painted sections of conduits and small plastic surveyor's flags. Humidity sensors and thermistor probes to be implanted in soil on a long-term basis; possibility of multiplex data recorder to be operated at one or more sites on a long-term basis.	064
Understory arthropods	Monthly sweep samples of understory arthropods; arthropods later sorted to species, measured, and assigned to trophic grouping. Foliage density measured seasonally.	065
Leaf litter arthropods	Sampling. Leaf litter is removed from within a 1/10 sq. meter sampling frame from each of 10 subsite sampling stations at each site (total of 1 sq. meter of leaf litter per site per month). The litter is collected in plastic bags. The subsite sampling stations for each of the three major sites are determined from a computer generated table of random numbers.	066

Table 6. (Continued)

Parameters and Units	Technique	Code
Leaf litter arthropods	The organisms are extracted from the leaf litter into alcohol through the use of Berlese funnels. Leaf litter from each subsample site is placed into one funnel (a total of 10 funnels for each of the three sites). Incandescent light bulbs (40 - 60 watts) are used for drying the leaf litter. The alcohol jars containing the arthropods are removed from the funnels at the end of a three week period. The arthropods are sorted and studied under a stereo dissecting microscope. This part of the project is done at Anne Arundel Community College.	066
Lawn project	A combination of lawn clipping collection, sweep sampling, soil coring, and vacuum sampling are used. Invertebrates sorted by species.	067
Squirrel populations	Intensive live trapping at each site was conducted following prebaiting unset traps for a week. Trapped animals were ear tagged and tail clipped for field siting. (Flyger, 1959).	068

References for Technique Codes

Correll, D. L.; Pierce, J. W.; and Faust, M. A. (1975). A quantitative study of the nutrient sediment, and coliform bacterial constituents of water runoff from the Rhode River watershed. In: Non-Point Sources of Water Pollution, Proc. Southeastern Regional Conf., Blacksburg, Va. Publ. by Virginia Water Resources Research Center.

Flyger, V. F. (1959). A comparison of methods for estimating squirrel populations. J. Wildlife Management 23: 220-223.

Loftus, M. E. and Carpenter, J. H. (1971). A fluorometric method for determining chlorophylls a, b, and c. J. Marine Res. 29: 319-338.

Standard Methods for the Examination of Water and Waste Water, 13th Ed. (1971). American Public Health Assoc., New York.

Table 7. Parameters measured in Estuarine Work.

Category: 210 Format: XX.XX

Salinity (ppt)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 210 Format: XX.XX

Salinity (ppt)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4C	Aug. - Dec.	Twice a week	GRB	057	002 & 018	005	RHO
RR4B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR4A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR3A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR2A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WR1A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 210 Format: XX.XX

Salinity (ppt)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
WR1B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
WR1C	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WRO	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
CCA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
CCC	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 210 Format: XX.XX

Salinity (ppt)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
BNC	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WMA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WMC	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 210 Format: XX.XX

Salinity (ppt)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR0	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU

Table 7. (Continued)

Category: 211 Format: XX.XX

Conductivity (mmhos)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4C	Aug. - Dec.	Twice a week	GRB	057	002 & 018	005	RHO
RR4B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR4A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR3A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
RR2A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WR1A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 211 Format: XX.XX

Conductivity (mmhos)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
WR1B	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
WR1C	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WRO	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
CCA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
CCC	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
BNA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 211 Format: XX.XX

Conductivity (mmhos)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNC	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WMA	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	057	002 & 018	005	RHO
WMC	Aug. - Dec.	Once a week	GRB	057	002 & 018	005	RHO

Table 7. (Continued)

Category: 211 Format: XX.XX

Conductivity (mmhos)

Station name	Time span	Time Frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
SR0	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	057	002 & 018	005	SOU

Table 7. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} C)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - Dec. twice a week from Aug. - Dec.	GRB	035	002	005	RHO

Table 7. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} C)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4C	Aug. - Dec.	Twice a week	GRB	035	002 & 018	005	RHO
RR4B	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
RR4A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
RR3A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
RR2A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
WR1A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO

Table 7. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} C)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
WR1B	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
WR1C	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
WRO	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
CCA	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
CCC	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO

Table 7. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} C)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNA	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
BNC	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
WMA	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	035	002 & 018	005	RHO
WMC	Aug. - Dec.	Once a week	GRB	035	002 & 018	005	RHO

Table 7. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} C)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
SR0	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	035	002 & 018	005	SOU

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	036	002	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	036	002	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	036	002	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	036	002	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
WR1C	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
WRO	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
WRO (bottom)	Jan. - Dec.	Once every week from from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	036	002	005	RHO
BNC	Jan. - July	Once every two weeks	GRB	036	002	005	RHO
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	036	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	036	002	005	RHO

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	036	002	005	SOU
BC	Jan. - July	Once every two weeks	GRB	036	002	005	SOU

Table 7. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	036	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	036	002	005	SOU

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	038	002	005	RHO
RR4A	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	038	002	005	RHO
RR3A	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	038	002	005	RHO
RR2A	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
WR1C	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
WR1B	Aug. - Dec.	Once a week	GRB	038	002	005	RHO
WR1A	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
WR0	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
WR0 (bottom)	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	038	002	005	RHO
BNC	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB				
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	038	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	038	002	005	RHO

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	038	002	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	038	002	005	SOU

Table 7. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	038	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	038	002	005	SOU

Table 7. (Continued)

Category: 221 Format: XXXX

Light attenuation (m^{-1})

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4A	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
RR3A	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
RR2A	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
WR1C	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
WR1A	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
WRO	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
SEL	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
CCB	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
BNC	Jan. - July	Once every two weeks	GRB	042	018	002	RHO
WMB	Jan. - July	Once every two weeks	GRB	042	018	002	RHO

Table 7. (Continued)

Category: 221 Format: XXXX

Light attenuation (m^{-1})

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	042	018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	042	018	005	SOU

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week Aug. - Dec.	GRB	046,047,048	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	RHO
WR1C	Jan. - July	Once every two weeks Twice in July	GRB	046,047,048	002	005	RHO
WRO	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	046,047,048	002	005	RHO

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNC	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	046,047,048	002	005	RHO
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	046,047,048	002	005	RHO

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU
BC	Jan. - July	Once every two weeks	GRB	046,047,048	002	005	SOU

Table 7. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrate + nitrite, ammonia + amino acid, Kjeldahl nitrogen, nitrite (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	046,047,048	002	005	SOU

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
WR1C	Jan. - July	Once every two weeks Twice in July	GRB	049	002	005	RHO
WR0	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNB	Aug. - Dec.	Once a week	GRB	049	002	005	RHO
BNC	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	049	002	005	RHO
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	049	002	005	RHO

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR9	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR8	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR7	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR6	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR5	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR4	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR3	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR2	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
SR1	Jan. - July	Once every two weeks	GRB	049	002	005	RHO
BC	Jan. - July	Once every two weeks	GRB	049	002	005	RHO

Table 7. (Continued)

Category: 320 Format: X.XX EXX

Total phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	049	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	049	002	005	SOU

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	050	002	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB	050	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	050	002	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	050	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	050	002	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	050	002	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	050	002	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	050	002	005	RHO
WR1C	Jan. - July	Once every two weeks Twice in July	GRB	050	002	005	RHO
WR0	Aug. - Dec.	Once a week	GRB	050	002	002	RHO
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	050	002	005	RHO

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNC	Jan. - July	Once every two weeks	GRB	050	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	050	002	005	RHO
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	050	002	005	RHO

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (μ/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	050	002	005	SOU
BC	Jan. - July	Once every two weeks	GRB	050	002	005	SOU

Table 7. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	050	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	050	002	005	SOU

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
C6	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
C7	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
C8	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
C9	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4B	Aug. - Dec.	Once a week	GRB	058	002	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB	058	002	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	058	002	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	058	002	005	RHO
RR2B	Aug. - Dec.	Once a week	GRB	058	002	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	058	002	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	058	002	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	058	002	005	RHO
WR1C	Jan. - July	Once every two weeks Twice in July	GRB	058	002	005	RHO
WR0	Aug. - Dec.	Once a week	GRB	058	002	005	RHO
RR4T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR3T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO
RR2T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO
WR1T	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO
SEL	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	058	002	005	RHO

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNC	Jan. - July	Once every two weeks	GRB	058	002	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	058	002	005	RHO
CCT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO
BNT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO
WMT	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	HIT	058	002	005	RHO

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	058	002	005	SOU
BC	Jan. - July	Once every two weeks	GRB	058	002	005	SOU

Table 7. (Continued)

Category: 330 Format: X.XX EXX

Organic carbon - combustion (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	058	002	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	058	002	005	SOU

Table 7. (Continued)

Category: 340 Format: XX.XX

Dissolved oxygen (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
C5	Aug. - Dec.	Once a week	GRB	059	002	005	RHO
C6	Aug. - Dec.	Once a week	GRB	059	002	005	RHO
C7	Aug. - Dec.	Once a week	GRB	059	002	005	RHO
C8	Aug. - Dec.	Once a week	GRB	059	002	005	RHO
C9	Aug. - Dec.	Once a week	GRB	059	002	005	RHO
RR4C	Aug. - Dec.	Twice a week	GRB	059	018	005	RHO
RR4B	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
RR4A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO
RR3B	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
RR3A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO

Table 7. (Continued)

Category: 340 Format: XX.XX

Dissolved oxygen (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR2B	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
RR2A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO
WR1A	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO
WR1B	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
WR1C	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO
WR0	Jan. - Dec.	Once every two weeks from Jan. - July; twice a week from Aug. - Dec.	GRB	059	018	005	RHO
SEL	Aug. - Dec.	Once a week	GRB	059	002	005	RHO

Table 7. (Continued)

Category: 340 Format: XX.XX

Dissolved oxygen (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
CCA	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
CCB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	059	018	005	RHO
CCC	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
BNA	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
BNC	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	059	018	005	RHO
WMA	Aug. - Dec.	Once a week	GRB	059	018	005	RHO
WMB	Jan. - Dec.	Once every two weeks from Jan. - July; once every week from Aug. - Dec.	GRB	059	018	005	RHO
WMC	Aug. - Dec.	Once a week	GRB	059	018	005	RHO

Table 7. (Continued)

Category: 340 Format: XX.XX

Dissolved oxygen (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	059	018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	059	018	005	SOU

Table 7. (Continued)

Category: 410 Format: X.XX EXX

Chlorophyll a (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4A	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
WR1C	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
CCB	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
BNC	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
WMB	Jan. - July	Once every two weeks	GRB	060	018	005	RHO
RR4T	Jan. - July	Once every two weeks	HIT	060	018	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	060	018	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	060	018	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	060	018	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	060	018	005	RHO

Table 7. (Continued)

Category: 410 Format: X.XX EXX

Chlorophyll a (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
BNT	Jan. - July	Once every two weeks	HIT	060	018	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	060	018	005	RHO

Table 7. (Continued)

Category: 410 Format: X.XX EXX

Chlorophyll a (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR9	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR7	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR5	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR3	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
SR1	Jan. - July	Once every two weeks	GRB	060	018	005	SOU
BC	Jan. - July	Once every two weeks	GRB	060	018	005	SOU

Table 7. (Continued)

Category: 410 Format: X.XX EXX

Chlorophyll a (µg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	060	018	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	060	018	005	SOU

Table 7. (Continued)

Category: 510 Format: X.XX EXX, X.XX EXX

Adult copepod, nauplii (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
BNT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 510 Format: X.XX EXX, X.XX EXX

Adult copepod, nauplii (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 511 Format: X.XX EXX

Rotifers (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
BNT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 511 Format: X.XX EXX

Rotifers (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 512 Format: X.XX EXX

Polychaetes (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
BNT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 512 Format: X.XX EXX

Polychaetes (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 519 Format: X.XX EXX

Other zooplankton (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	June - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	June - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	June - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	June - July	Once every two weeks	HIT	061	020	005	RHO
CCT	June - July	Once every two weeks	HIT	061	020	005	RHO
WMT	June - July	Once every two weeks	HIT	061	020	005	RHO
BNT	June - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 519 Format: X.XX EXX

Other zooplankton (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	April - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	April - July	Once every two weeks	HIT	061	020	005	SOU
BCT	April - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 521 Format: X.XX EXX

Tintinnids (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
BNT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 521 Format: X.XX EXX

Tintinnids (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 529 Format: X.XX EXX

Other microzooplankton (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
RR4T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR3T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
RR2T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WR1T	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
CCT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
WMT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO
BNT	Jan. - July	Once every two weeks	HIT	061	020	005	RHO

Table 7. (Continued)

Category: 529 Format: X.XX EXX

Other microzooplankton (#/m^3)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code	File ID
SR10T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR9T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR8T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR7T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR6T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR5T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR4T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR3T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR2T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
SR1T	Jan. - July	Once every two weeks	HIT	061	020	005	SOU
BCT	Jan. - July	Once every two weeks	HIT	061	020	005	SOU

Table 7. (Continued)

Category: 710 Format: X.XX EXX, X.XX EXX

Total coliform and fecal coliform (#/100 ml)

Total coliform

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
C9	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
C8	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
C7	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
C6	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
C5	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
RR4A	Jan. - July	Once every two weeks	GRB & SED	053	006	005	RHO
	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
RR4C	Jan. - July	Once every two weeks	GRB & SED	053	006	005	RHO
	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
RR3A	Jan. - July	Once every two weeks	GRB & SED	053	006	005	RHO
	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
RR2A	Jan. - July	Once every two weeks	GRB & SED	053	006	005	RHO
	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB & SED	053	006	005	RHO

Table 7. (Continued)

Category: 710 Format: X.XX EXX, X.XX EXX

Total coliform and fecal coliform (#/100 ml)

Total coliform

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
WRO	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
CCB	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
BNB	Aug. - Sept.	Once a week	GRB	053	006	005	RHO
WMB	Aug. - Sept.	Once a week	GRB	053	006	005	RHO

Table 7. (Continued)

Category: 710 Format: X.XX EXX, X.XX EXX

Total coliform and fecal coliform (#/100 ml)

Fecal coliform

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
C9	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
C8	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
C7	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
C6	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
C5	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
RR4A	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
RR4C	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
RR3A	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
RR2A	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
WRO	Sept. - Dec.	Once a week	GRB	053	006	005	RHO
CCB	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	053	006	005	RHO
WMB	Aug. - Dec.	Once a week	GRB	053	006	005	RHO

Table 7. (Continued)

Category: 710 Format: X.XX EXX, X.XX EXX

Total coliform and fecal coliform (#/100 ml)

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU
SR8	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU
SR6	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU
SR4	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU
SR2	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU
BC	Jan. - July	Once every two weeks	GRB & SED	053	006	005	SOU

Table 7. (Continued)

Category: 712 Format: X.XX EXX

Fecal streptococci (#/100 ml)

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
C9	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
C8	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
C7	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
C6	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
C5	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
RR4C	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
RR4A	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
RR3A	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
RR2A	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
WRO	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
CCB	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
BNB	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO
WMB	30 Sept. - Dec.	Once a week	GRB	054	006	005	RHO

Table 7. (Continued)

Category: 714 Format: X.XX EXX

Total viable heterotrophs (#/ml), 7 days; and total viable heterotrophs (#/ml), 48 hours

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
RR4C	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
RR4A	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
RR3A	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
RR2A	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
WR1A	Jan. - July	Once every two weeks	GRB & SED	056	006	005	RHO
WRO	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
CCB	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
BNB	Aug. - Dec.	Once a week	GRB	056	006	005	RHO
WMB	Aug. - Dec.	Once a week	GRB	056	006	005	RHO

Table 7. (Continued)

Category: 714 Format: X.XX EXX

Total viable heterotrophs (#/ml), 7 days; and total viable heterotrophs (#/ml), 48 hours

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code	File ID
SR10	Jan. - July	Once every two weeks	GRB	056	006	005	SOU
SR8	Jan. - July	Once every two weeks	GRB	056	006	005	SOU
SR6	Jan. - July	Once every two weeks	GRB	056	006	005	SOU
SR4	Jan. - July	Once every two weeks	GRB	056	006	005	SOU
SR2	Jan. - July	Once every two weeks	GRB	056	006	005	SOU
BC	Feb. - July	Once every two weeks	GRB	056	006	005	SOU
CC	Feb. - July	Once every two weeks	GRB	056	006	005	SOU

Table 8. Parameters Measured on Subwatershed Runoff Waters.

Category: 130 Format: X.XX EXX

Flow rate (liters/sec.)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	GRB	031	002	005
Sellman South	Jan. - Dec.	Once a week	GRB	031	002	005
North Branch	Jan. - Dec.	Once a week	GRB	031	002	005
Blue Jay	Jan. - Dec.	Once a week	GRB	031	002	005
Williamson	Jan. - Dec.	Once a week	GRB	031	002	005
Fox Creek	Jan. - Dec.	Once a week	GRB	031	002	005
Steinlein	Jan. - Dec.	Once a week	GRB	031	002	005

Table 8. (Continued)

Category: 131 Format: X.XX EXX

Total flow (liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	FLX	033	002	005
Sellman South	Jan. - Dec.	Once a week	FLX	033	002	005
North Branch	Jan. - Dec.	Once a week	FLX	033	002	005
Blue Jay	Jan. - Dec.	Once a week	FLX	033	002	005
Williamson	Jan. - Dec.	Once a week	FLX	033	002	005
Fox Creek	Jan. - Dec.	Once a week	FLX	033	002	005
Steinlein	Jan. - Dec.	Once a week	FLX	033	002	005

Table 8. (Continued)

Category: 212 Format: XX.XX

Temperature (^{o} Centigrade)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	GRB	034	002	005
Sellman South	Jan. - Dec.	Once a week	GRB	034	002	005
North Branch	Jan. - Dec.	Once a week	GRB	034	002	005
Blue Jay	Jan. - Dec.	Once a week	GRB	034	002	005
Williamson	Jan. - Dec.	Once a week	GRB	034	002	005
Fox Creek	Jan. - Dec.	Once a week	GRB	034	002	005
Steinlein	Jan. - Dec.	Once a week	GRB	034	002	005
C4	Jan. - Dec.	Once a week	GRB	034	002	005
Spring	Jan. - Dec.	Once a week	GRB	034	002	005

Table 8. (Continued)

Category: 213 Format: XX.X

pH

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Every two weeks	GRB	036	002	005
Sellman South	Jan. - Dec.	Every two weeks	GRB	036	002	005
North Branch	Jan. - Dec.	Every two weeks	GRB	036	002	005
Blue Jay	Jan. - Dec.	Every two weeks	GRB	036	002	005
Williamson	Jan. - Dec.	Every two weeks	GRB	036	002	005
Fox Creek	Jan. - Dec.	Every two weeks	GRB	036	002	005
Steinlein	Jan. - Dec.	Every two weeks	GRB	036	002	005
Main Branch	Apr. - Dec.	Every two weeks	GRB	036	002	005
C4	Jan. - Dec.	Every two weeks	GRB	036	002	005
Spring	Jan. - Dec.	Every two weeks	GRB	036	002	005

Table 8. (Continued)

Category: 220 Format: XXX

Turbidity (Jackson units)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	March - Dec.	Once a week	GRB & FLX	038	002	005
Sellman South	March - Dec.	Once a week	GRB & FLX	038	002	005
North Branch	March - Dec.	Once a week	GRB & FLX	038	002	005
Blue Jay	March - Dec.	Once a week	GRB & FLX	038	002	005
Williamson	March - Dec.	Once a week	GRB & FLX	038	002	005
Fox Creek	March - Dec.	Once a week	GRB & FLX	038	002	005
Steinlein	March - Dec.	Once a week	GRB & FLX	038	002	005
Main Branch	April - Dec.	Once a week	GRB & FLX	038	002	005
Spring	March - Dec.	Once a week	GRB & FLX	038	002	005

Table 8. (Continued)

Category: 250 Format: XXXX.X, XXXX.X

Total and mineral suspended particulates (mg/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	GRB & FLX*	043	013	005
Sellman South	Jan. - Dec.	Once a week	FLX	043	013	005
North Branch	Jan. - Dec.	Once a week	FLX	043	013	005
Blue Jay	Jan. - Dec.	Once a week	GRB & FLX*	043	013	005
Williamson	Jan. - Dec.	Once a week	FLX	043	013	005
Fox Creek	Jan. - Dec.	Once a week	FLX	043	013	005
Steinlein	Jan. - Dec.	Once a week	FLX	043	013	005
C4	Jan. - Dec.	Once a week	GRB	043	013	005

* Usually FLX, GRB when flow is low.

Table 8. (Continued)

Category: 310 Format: X.XX EXX

N total (ug/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	FLX	044	002	005
Sellman South	Jan. - Dec.	Once a week	FLX	044	002	005
North Branch	Jan. - Dec.	Once a week	FLX	044	002	005
Blue Jay	Jan. - Dec.	Once a week	FLX	044	002	005
Williamson	Jan. - Dec.	Once a week	FLX	044	002	005
Fox Creek	Jan. - Dec.	Once a week	FLX	044	002	005
Steinlein	Jan. - Dec.	Once a week	FLX	044	002	005
Main Branch	Apr. - Dec.	Once a week	FLX	044	002	005
C4	Jan. - Dec.	Infrequently	GRB	044	002	005
Spring	Feb. - Dec.	Infrequently	GRB	044	002	005

Table 8. (Continued)

Category: 311 Format: X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX, X.XX EXX

Nitrite + nitrate, ammonia, nitrite + amino acid, total Kjeldahl nitrogen, nitrite nitrogen (µg/liter)

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Every two weeks*	GRB	044 - 048	002	005
Sellman South	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
North Branch	Jan. - Dec.	Every two weeks*	GRB	044 - 048	002	005
Blue Jay	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
Williamson	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
Fox Creek	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
Steinlein	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
Main Branch	April - Dec.	Every two weeks	GRB	044 - 048	002	005
C4	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005
Spring	Jan. - Dec.	Every two weeks	GRB	044 - 048	002	005

* Nitrite Oct. - Dec.

Table 8. (Continued)

Category: 320 Format: X.XX EXX

P total (ug/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Sellman South	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
North Branch	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Blue Jay	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Williamson	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Fox Creek	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Steinlein	Jan. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
Main Branch	Apr. - Dec.	Once a week Every two weeks	FLX GRB	049	002	005
C4	Feb. - Apr. Jan. - Dec.	Infrequently Every two weeks	GRB GRB	049	002	005
Spring	Feb. - July Jan. - Dec.	Infrequently Every two weeks	GRB GRB	049	002	005

Table 8. (Continued)

Category: 321 Format: X.XX EXX, X.XX EXX, X.XX EXX

Dissolved inorganic phosphorus, dissolved total phosphorus, inorganic phosphorus (ug/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Every two weeks	GRB	050	002	005
Sellman South	Jan. - Dec.	Every two weeks	GRB	050	002	005
North Branch	Jan. - Dec.	Every two weeks	GRB	050	002	005
Blue Jay	Jan. - Dec.	Every two weeks	GRB	050	002	005
Williamson	Jan. - Dec.	Every two weeks	GRB	050	002	005
Fox Creek	Jan. - Dec.	Every two weeks	GRB	050	002	005
Steinlein	Jan. - Dec.	Every two weeks	GRB	050	002	005
Main Branch	Apr. - Dec.	Every two weeks	GRB	050	002	005
C4	Jan. - Dec.	Every two weeks	GRB	050	002	005
Spring	Jan. - Dec.	Every two weeks	GRB	050	002	005

Table 8. (Continued)

Category: 331 Format: X.XX EXX

Total organic matter (g cal/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Every two weeks	GRB	051	002	005
Sellman South	Jan. - Dec.	Every two weeks	GRB	051	002	005
North Branch	Jan. - Dec.	Every two weeks	GRB	051	002	005
Blue Jay	Jan. - Dec.	Every two weeks	GRB	051	002	005
Williamson	Jan. - Dec.	Every two weeks	GRB	051	002	005
Main Branch	Apr. - Dec.	Every two weeks	GRB	051	002	005
C4	Jan. - Dec.	Every two weeks	GRB	051	002	005
Spring	Jan. - Dec.	Every two weeks	GRB	051	002	005

Table 8. (Continued)

Category: 380	Format: X.XX EXX	Nickel (ug/liter)
381	X.XX EXX	Copper (ug/liter)
382	X.XX EXX	Zinc (ug/liter)
383	X.XX EXX	Lead (ug/liter)
384	X.XX EXX	Chromium (ug/liter)
385	X.XX EXX	Cadmium (ug/liter)
386	X.XX EXX	Manganese (ug/liter)
387	X.XX EXX	Iron (ug/liter)
388	X.XX EXX	Potassium (ug/liter)
389	X.XX EXX	Calcium (ug/liter)
390	X.XX EXX	Magnesium (ug/liter)

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	FLX	052	026	005
Sellman South	Jan. - Dec.	Once a week	FLX	052	026	005
North Branch	Jan. - Dec.	Once a week	FLX	052	026	005
Blue Jay	Jan. - Dec.	Once a week	FLX	052	026	005
Williamson	Jan. - Dec.	Once a week	FLX	052	026	005
Fox Creek	Jan. - Dec.	Once a week	FLX	052	026	005
Steinlein	Jan. - Dec.	Once a week	FLX	052	026	005
C4	Jan. - Dec.	Once a week	GRB	052	026	005
Spring	Jan. - Dec.	Infrequently	GRB	052	026	005

Table 8. (Continued)

Category: 710 Format: X.XX EXX, X.XX EXX

Total coliform and fecal coliform (#/100 ml)

Total coliform

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - Nov.	Once a week	GRB	053	006	005
Sellman South	Jan. - Nov.	Once a week	GRB	053	006	005
North Branch	Jan. - Nov.	Once a week	GRB	053	006	005
Blue Jay	Jan. - Nov.	Once a week	GRB	053	006	005
Williamson	Jan. - Nov.	Once a week	GRB	053	006	005
Fox Creek	Jan. - Nov.	Once a week	GRB	053	006	005
Steinlein	Jan. - Nov.	Once a week	GRB	053	006	005
Main Branch	Apr. - Nov.	Once a week	GRB	053	006	005
Spring	Jan. - Dec.	Once a week	GRB	053	006	005

Table 8. (Continued)

Category: 710 (Continued)

Fecal coliform

Station name	Time span	Time frequency	Sample type	Technique code	Investogator code	Funding code
Sellman North	Jan. - Dec.	Once a week	GRB	053	006	005
Sellman South	Jan. - Dec.	Once a week	GRB	053	006	005
North Branch	Jan. - Dec.	Once a week	GRB	053	006	005
Blue Jay	Jan. - Dec.	Once a week	GRB	053	006	005
Williamson	Jan. - Dec.	Once a week	GRB	053	006	005
Fox Creek	Jan. - Dec.	Once a week	GRB	053	006	005
Steinlein	Jan. - Dec.	Once a week	GRB	053	006	005
Main Branch	Apr. - Dec.	Once a week	GRB	053	006	005
Spring	Jan. - Dec.	Once a week	GRB	053	006	005

Table 8. (Continued)

Category: 712 Format: X.XX EXX, X.XX EXX

Total streptococci and fecal streptococci (#/100 ml)

Total streptococci

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Feb. - July	Once a week	GRB	054	006	005
Sellman South	Feb. - July	Once a week	GRB	054	006	005
North Branch	Feb. - July	Once a week	GRB	054	006	005
Blue Jay	Feb. - July	Once a week	GRB	054	006	005
Williamson	Feb. - July	Once a week	GRB	054	006	005
Fox Creek	Feb. - July	Once a week	GRB	054	006	005
Steinlein	Feb. - July	Once a week	GRB	054	006	005
Main Branch	Apr. - Aug.	Once a week	GRB	054	006	005
Spring	Feb. - Dec.	Once a week	GRB	054	006	005

Table 8. (Continued)

Category: 712 (Continued)

Fecal streptococci

Station name	Time span	Time frequency	Sample type	Technique code	Investigator code	Funding code
Sellman North	Jan. - July	Once a week	GRB	054	006	005
Sellman South	Jan. - July	Once a week	GRB	054	006	005
North Branch	Jan. - July	Once a week	GRB	054	006	005
Blue Jay	Jan. - July	Once a week	GRB	054	006	005
Williamson	Jan. - July	Once a week	GRB	054	006	005
Fox Creek	Jan. - July	Once a week	GRB	054	006	005
Steinlein	Jan. - July	Once a week	GRB	054	006	005
Main Branch	Apr. - July	Once a week	GRB	054	006	005
Spring	Jan. - July	Once a week	GRB	054	006	005

Table 8. (Continued)

Category: 713 Format: X.XX EXX, X (1 = +, 0 = -)

Salmonella (MPN/100 ml), salmonella presence

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code
Sellman North	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Sellman South	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
North Branch	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Blue Jay	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Williamson	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Fox Creek	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Steinlein	Jan. - Nov.	Once a week	GRB	055	006	002 & 005
Main Branch	April - Nov.	Once a week	GRB	055	006	002 & 005
Spring	Jan. - Nov.	Once a week	GRB	055	006	002 & 005

Table 8. (Continued)

Category: 714 Format: X.XX EXX, X.X EXX

Total viable heterotrophs (7 days), total viable heterotrophs (48 hours) (#/ml)

Station name	Time span	Time frequency	Sample code	Technique code	Investigator code	Funding code
Sellman North	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Sellman South	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
North Branch	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Blue Jay	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Williamson	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Fox Creek	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Steinlein	Jan. - Dec.	Once a week	GRB	056	006	002 & 005
Main Branch	April - Dec.	Once a week	GRB	056	006	002 & 005
Spring	Jan. - Dec.	Once a week	GRB	056	006	002 & 005

Table 9. Parameters Measured in Upland Ecology Research

Litter Fall

Investigator: 002

Project code: LTR

Leaf number (by species*) number/m^2 = leaf

Leaf weight (by species*) g dry wt./leaf

Leaf area (by species*) cm^2/leaf - as is; with internal holes covered; with all holes covered

Seed number (by species*) number/m^2 - for some species by fruit and seeds (1)

Seed weight (by species*) g dry wt./seed - for some species by seeds only (2)

Miscellaneous other litter g dry wt./m^2 - for some species inedible fruit support or dispersal structure (3)

Station code	Time span	Time frequency	Technique code	Funding code
01 - 01 to 10	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
02 - 11 to 20	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
03 - 21 to 30	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004

Table 9. (Continued)

Litter Fall (continued)

Station code	Time span	Time frequency	Technique code	Funding code
04 - 31 to 40	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
05 - 41 to 50	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
06 - 51 to 60	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
07 - 61 to 70	Jan. - Dec.	Once a week. Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004
08 - 71 to 80	Jan. - Dec.	Once a week Once every two weeks from Jan. - July; once every week from Aug. - Dec.	062	001 & 004

* Species code list on next page.

FOREST ECOLOGY STUDY

Species Code

GYMNOSPERMAE		
Pinaceae		
Pinus virginiana	1	Virginia Pine
Pinus taeda	2	Loblolly Pine
ANGIOSPERMAE		
Monocotyledoneae		
Dicotyledoneae		
Salicaceae		
Salix nigra	3	Black Willow
Juglandaceae		
Juglans nigra	4	Black Walnut
Betulaceae		
Carya tomentosa	5	Hickory
Carpinus carolena	6	Hornbeam
Betula lutea	7	Yellow Birch
Ostrya virginiana	41	Ironwood
Fagaceae		
Castanea dentata	8	Chestnut
Quercus velutina	9	Black Oak
Quercus stellata	10	Post Oak
Quercus falcata	11	Spanish Oak
Quercus alba	12	White Oak
Quercus palustris	13	Pin Oak
Quercus marilandica	14	Blackjack Oak
Quercus muehlenbergii	15	Yellow Oak
Quercus prinus	16	Chestnut Oak
Quercus rubra	17	Northern Red Oak
Quercus phellos	18	Willow Oak
Fagus grandifolia	19	Beech
Quercus coccinea	38	Scarlet Oak
Ulmaceae		
Ulmus americana	20	American Elm
Magnoliaceae		
Liriodendron	21	Tulip Tree
Lauraceae		
Sassafras albidum	22	Sassafras
Liquidambar		
Styraciflua	23	Sweet Gum
Platanaceae		
Platanus occidentalis	24	Sycamore

Rosaceae		
Prunus cerasus	25	Sour Cherry
Prunus serotina	26	Black Cherry
Prunus avium	27	Sweet Cherry
Prunus virginiana	28	Choke Cherry
Amelanchier arborea	42	June Berry
Fraxinus pennsylvanica	39	Red Ash
Leguminosae		
Robinea pseudo-acacia	29	Black Locust
Simaroubaceae		
Ailanthus altissima	30	Tree of Heaven
Aquilifoliaceae		
Ilex opaca	31	American Holly
Aceraceae		
Acer rubrum	32	Red Maple
Acer negundo	33	Box Elder
Nyssaceae		
Nyssa sylvatica	34	Tupelo
Cornaceae		
Cornus florida	35	Dogwood
Ebenaceae		
Diospryos virginiana	36	Persimmon
Juniperus virginiana	43	Red Cedar
Quercus	44	Oak
Carya glabra	45	Pignut Hickory
Red - Black Oak Hybrid	46	
Rhus radicans	47	Poison Ivy
Vitis vulpina	48	Winter or Chicken grape
Lonicern japonica	49	Honeysuckle
Campus radicans	50	Trumpet Creeper
Partheno cissus	51	Virginia Creeper
Vitus labrusca	52	Fox Grape
Rubus occidentalis	53	Raspberry
Miscellaneous fragments	37	
Total	40	

Table 9. (Continued)

Small mammal populations

Investigator: 009

Project code: SMM

Funding code: 001/004

Technique code: 063

Frequency: Monthly for consecutive days

Time span: May - December

Intensive sites studied: 001, 004, 005, 009, Poplar Islands

Key to Parameters Coded

Species:

1 = Peromyscus
2 = Blarina
3 = Microtus
4 = Sorex
5 = Mus
6 = Zapus
7 = Tamias

Capture status:

0 = New
1 = Recaptured, alive
2 = Recaptured, dead
3 = New, dead
4 = Escaped

Sex:

1 = Male
2 = Female
3 = Unknown

Age/color:

1 = Adult/brown
2 = Subadult/grey-brown
3 = Juvenile/grey

Reproductive conditions:

1 = Testes ascended
2 = Testes descended, small
3 = Testes descended, large
4 = Testes shriveled
5 = Mammaries, tiny
6 = Mammaries, small
7 = Mammaries, large
8 = Mammaries, w/milk

Pregnant:

0 = No
1 = Yes
3 = Unknown

Table 9. (Continued)

Ectoparasites:

1 = Flea
2 = Tick
3 = Mite

Time of capture:

1 = Morning, 1st day
2 = Afternoon, 1st day
3 = Morning, 2nd day
4 = Afternoon, 2nd day
5 = Morning, 3rd day

Table 9. (Continued)

Ant populations

Investigator: 009

Project code: ANT

Funding code: 001/003/004

Technique code: 064

Frequency: variable

Time span: May - December

Intensive sites studied: 001, 004, 005, 009, also transects south and east from 101

Table 9. (Continued)

Understory
Arthropods

Investigator: 009

Funding code: 001/004

Technique code: 065

Frequency: monthly

Time span: May - December

Intensive sites studied: 004, 005, 009

Table 9. (Continued)

Leaf Litter
Arthropods

Investigator: 022

Technique code: 066

Frequency: monthly

Time span: July - December

Intensive sites studied: 004, 005, 009

Table 9. (Continued)

Lawn Project

Primary production

Invertebrate populations

Investigator code: 005

Project code: TRF

Funding code: 001

Technique code: 067

Frequency: variable

Time span: September 15 - December

Intensive sites studied: 0010

Table 9. (Continued)

Squirrel populations in intensive study sites 2 and 4.

Investigator: 002

Funding code: 001

Technique code: 068

Frequency: variable

Time span: February

Woodland bird populations in forest and old field sites.

Investigator: 012

Funding code: 001

Technique: see 1974 ESP Report

Time span: spring - early summer

Tadpole populations in swamp upstream of weir 101.

Investigator: 007

Funding code: 002

Technique code: not yet available

Frequency: weekly

Time span: spring

Sunlight - Incident Total White Light Intensities at CBCES Dock (map 2)

Technique - Detector was an Eppley precision pyranometer with a clear quartz dome mounted on the roof of the instrument shed at the end of the dock. Data points were recorded every 10 minutes.

Principal Investigator: Robert Cory, U.S. Geological Survey, Chesapeake Bay Center for Environmental Studies.

Research Funding: U.S. Geological Survey.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). January 1975.

Hour of Day	Day of 1975										
	1	2	3	4	5	6	7	8	9	10	11
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	.01	-	-	-	-	-	-
0700-0800	-	.01	.15	.07	.17	.01	.01	.01	.03	.04	-
0800-0900	.04	.24	.40	.16	.38	.27	.22	.10	.15	.20	.04
0900-1000	.13	.45	.25	.22	.57	(.42)[a]	.39	.22	.41	.25	.05
1000-1100	.29	.60	.13	.23	.67	(.55)[a]	.56	.30	.57	.40	.11
1100-1200	.38	.69	.09	.35	.70	.68	.66	.34	.67	.41	.12
1200-1300	.63	.70	.12	.50	.64	.69	.67	.31	.72	.35	.28
1300-1400	.59	.62	.12	.27	.51	.18	.61	.34	.62	.22	.25
1400-1500	.45	.48	.06	.16	.31	.04	.39	.29	.49	.25	.27
1500-1600	.24	.27	.01	.10	.11	.01	.17	.12	.27	.11	.14
1600-1700	.05	.06	-	-	-	.01	.07	.02	.07	.03	.05
1700-1800	-	-	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	168.0	247.2	79.8	123.6	244.2	171.6	225.0	123.0	240.0	135.6	78.6

[a] value includes some estimated hourly values.

Table 10. January 1975. (Continued)

Hour of Day	Day of 1975										
	12	13	14	15	16	17	18	19	20	21	22
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.01	-	.02	.03	.02	.03	.01	.06	-	.01	.01
0800-0900	.22	.01	.23	.14	.06	.15	.05	.21	.03	.09	.08
0900-1000	.41	.02	.44	.37	.12	.39	.07	.31	.04	.18	.18
1000-1100	.56	.05	.63	(.61)[a]	.22	.68	.04	.41	.06	.25	.23
1100-1200	.49	.07	.71	.69	.16	.53	.04	.52	.06	.38	.49
1200-1300	.26	.07	.73	.71	.21	.61	.03	.56	.08	.43	.54
1300-1400	.10	.05	.67	.63	.23	.68	.04	.20	.10	.32	.65
1400-1500	.09	.03	.51	.38	.36	.53	.03	.12	.07	.36	.50
1500-1600	.03	.02	.26	.17	.25	.32	.03	.02	.07	.19	.26
1600-1700	.01	.01	.06	.07	.10	.11	.01	.01	.03	.07	.08
1700-1800	-	-	-	-	.01	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	130.8	19.8	255.6	228.0	104.4	241.8	21.0	145.2	32.4	136.8	181.2

[a] value includes some estimated hourly values.

Table 10. January 1975. (Continued)

Hour of Day	Day of 1975								
	23	24	25	26	27	28	29	30	31
0500-0600	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-
0700-0800	.01	.07	-	.05	.03	.02	.02	.04	.04
0800-0900	.12	.28	.02	.22	.26	.06	.18	.25	.05
0900-1000	.29	.57	.05	.49	.47	.16	.46	.49	.05
1000-1100	.51	.67	.11	.54	.66	.24	.67	.64	.07
1100-1200	.66	.76	.30	.47	.77	.39	.65	.73	.09
1200-1300	.73	.78	.19	.75	.79	.55	.76	.80	(.08)[a]
1300-1400	.71	.70	.06	.72	.72	.49	.46	.56	(.09)[a]
1400-1500	.52	.53	.05	.57	.57	.38	.33	.39	.08
1500-1600	.25	.36	.05	.21	.36	.33	.40	.19	.05
1600-1700	.10	.08	.02	.06	.15	.10	.13	.05	.03
1700-1800	-	-	-	-	-	.01	.01	-	-
1800-1900	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-
Total	234.0	288.0	51.0	244.8	286.8	163.8	244.2	248.4	37.8

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). February 1975.

Hour of Day	Day of 1975										
	32	33	34	35	36	37	38	39	40	41	42
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	-	-	.02	.02	.01	.02	.04	.04	-	.06	-
0800-0900	.01	.04	.16	.10	.05	.08	.26	.29	.12	.32	.04
0900-1000	.02	.07	.34	.19	.15	.17	.57	.57	.15	.58	.20
1000-1100	.04	.20	(.54)[a]	.24	.26	.32	.66	.77	.08	.76	.50
1100-1200	.06	.23	.63	.23	.26	.70	.68	.86	.17	.86	.63
1200-1300	.06	.40	.80	.18	.29	.87	.64	.90	.51	.88	.77
1300-1400	.07	.37	.77	.16	.27	.66	.31	.85	.27	.81	.56
1400-1500	.07	.29	.73	.10	.20	.41	.61	.66	.18	.58	.47
1500-1600	.06	.20	.47	.05	.15	.20	.43	.46	.16	.26	.23
1600-1700	.04	.09	.25	.01	.04	.04	.29	.19	.16	.09	.05
1700-1800	.02	-	.03	-	-	-	.01	.02	.02	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	27.0	113.4	284.4	76.8	100.8	208.2	270.0	336.6	109.2	312.0	207.0

[a] value includes some estimated hourly values.

Table 10. February 1975. (Continued)

Hour of Day	Day of 1975										
	43	44	45	46	47	48	49	50	51	52	53
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	.01	.01
0700-0800	-	.02	.07	.01	.04	-	-	-	.11	.21	.17
0800-0900	-	.25	.18	.12	.19	.04	.05	.10	.36	.49	.41
0900-1000	-	.59	.55	.36	.33	.03	.12	.48	.61	.68	.66
1000-1100	-	.54	.80	.41	.38	.05	.12	.82	.83	.86	.85
1100-1200	-	.85	.94	.52	.35	.18	.09	.86	.96	.96	.96
1200-1300	.06	.96	.94	.31	.29	.07	.05	.84	.96	.98	.98
1300-1400	.08	.87	.86	.14	.16	.01	.04	.87	.90	.90	.93
1400-1500	.16	.71	.70	.21	.09	.02	.07	.54	.67	.73	.79
1500-1600	.26	.48	.43	.17	.02	-	.02	.35	.50	.50	.52
1600-1700	.10	.21	.13	.06	-	-	.01	.11	.25	.28	.26
1700-1800	-	.02	.02	-	-	-	-	.02	.05	.07	.07
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	39.6	330.0	337.2	138.6	111.0	24.0	34.2	299.4	372.0	400.2	396.6

Table 10. February 1975. (Continued)

Hour of Day	Day of 1975					
	54	55	56	57	58	59
0500-0600	-	-	-	-	-	-
0600-0700	-	-	-	-	.01	.01
0700-0800	.03	.01		.19	.08	.15
0800-0900	.03	.03		.47	.19	.50
0900-1000	.02	.12		.74	.48	.76
1000-1100	.03	.21		.94	.56	.86
1100-1200	.04	.17	NO DATA	1.04	.60	.69
1200-1300	.10	(.19)[a]		1.07	.63	.90
1300-1400	.17			1.00	.52	.64
1400-1500	.28			.84	.48	.60
1500-1600	.10	NO DATA		.61	.36	.56
1600-1700	.08			.33	.27	.28
1700-1800	.01			.08	.08	.05
1800-1900	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-
Total	53.4			438.6	255.6	360.0

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). March 1975.

Hour of Day	Day of 1975										
	60	61	62	63	64	65	66	67	68	69	70
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.02	.01	.02	.03	.03	.02	.02	.02	.04	.01	-
0700-0800	.24	.17	.12	.24	.27	.16	.10	.19	.27	.08	.06
0800-0900	.53	.51	.38	.52	.47	.52	.29	.52	.56	.22	.13
0900-1000	.76	.62	.76	.72	.70	.77	.45	.78	.83	.19	.36
1000-1100	.88	.43	.99	.99	.95	.95	.68	.55	1.02	.18	.38
1100-1200	1.06	.32	.98	.99	.98	1.06	.42	.77	1.14	.17	.38
1200-1300	.84	.31	.57	1.15	1.06	1.07	.18	.83	1.16	.13	.45
1300-1400	.96	.45	.62	1.08	.95	.98	.18	.54	1.08	.10	.47
1400-1500	.59	.53	.68	.89	.79	.84	.12	.66	.93	.09	.39
1500-1600	.38	.18	.34	.54	.55	.64	.19	.61	.69	.05	.30
1600-1700	.22	.13	.20	.31	.27	.34	.14	.24	.41	.02	.10
1700-1800	.03	.04	.05	.08	.04	.09	.06	.09	.14	-	.03
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	390.6	222.0	342.6	452.4	423.6	446.4	169.8	348.0	496.2	74.4	183.0

Table 10. March 1975. (Continued)

Hour of Day	Day of 1975										
	71	72	73	74	75	76	77	78	79	80	81
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.01	-	-	.02	.03	.01	.09	-	.06	.12	.01
0700-0800	.06	.08	.01	.10	.14	.06	.17	.01		.42	.06
0800-0900	.12	.19	.03	.26	.28	.16	.27	.03		.71	.13
0900-1000	.09	.17	.04	.20	.40	.34	.35	.03		.95	.31
1000-1100	.08	.43	.06	.57	.45	.75	.68	.05	NO DATA	1.11	.56
1100-1200	.10	.45	.09	.77	.48	1.08	1.13	.03		1.18	.93
1200-1300	.05	.46	.05	.76	.73	1.11	1.05	.02		1.18	.57
1300-1400	.06	(.16)[a]	.09	.87	.65	.99	.92	.06		1.04	.23
1400-1500	.09	.67	.06	.89	.49	.84	.82	.05	.93	.93	.17
1500-1600	.18	.27	.03	.63	.26	.60	.41	.20	.69	.50	.12
1600-1700	.05	.08	.02	.29	.09	.33	.13	.09	.40	.36	.05
1700-1800	.03	.02	-	.06	.01	.09	.02	.05	.10	.06	.03
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	55.2	178.8	28.8	325.2	240.6	381.6	362.4	37.2		513.6	190.2

[a] value includes some estimated hourly values.

Table 10. March 1975. (Continued)

Hour of Day	Day of 1975								
	82	83	84	85	86	87	88	89	90
0500-0600	-	-	-	-	-	-	-	-	-
0600-0700	.12	.01	.05	.12	.14	.10	.02	.02	.17
0700-0800	.42	.04	.32	.29	.43	.07	.10	.05	.46
0800-0900	.64	.06	.68	.32	.73	.18	.12	.11	.74
0900-1000	.90	.10	.91	.46	.84	.24	.36	.18	.99
1000-1100	1.11	.13	1.09	.53	.68	.88	.39	.14	1.16
1100-1200	1.12	.27	.79	.85	.60	.98	.49	.34	1.25
1200-1300	1.21	.36	.55	.81	.77	.98	.34	.43	1.26
1300-1400	1.11	.21	1.17	1.03	1.05	.82	.50	.50	1.15
1400-1500	.93	.09	.73	.90	.81	.71	.43	.30	.99
1500-1600	.67	.02	.52	.76	.47	.68	.23	.18	.76
1600-1700	.39	.04	.21	.44	.31	.33	.13	.04	.47
1700-1800	.11	.03	.08	.15	.07	.08	.07	.01	.16
1800-1900	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-
Total	523.8	81.6	426.0	399.6	414.0	363.0	190.8	137.4	573.6

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). April 1975.

Hour of Day	Day of 1975										
	91	92	93	94	95	96	97	98	99	100	101
0500-0600	-	-	-	.01	.02	.02	.01	.01	.01	-	.02
0600-0700	.10	.17	.01	.20	.12	.21	.16	.18	.22	.06	.18
0700-0800	.40	.46	.03	.50	.37	.50	.40	.48	.51	.19	.37
0800-0900	.75	.73	.41	.80	.64	.78	.49	.78	.82	.29	.64
0900-1000	.97	.96	.76	1.05	.83	1.03	.59	1.03	1.05	.24	.55
1000-1100	1.15	1.13	1.28	1.21	1.28	1.21	.68	1.20	1.22	.18	.67
1100-1200	1.24	1.21	.94	1.29	1.47	1.30	.53	1.30	1.32	.40	.57
1200-1300	1.24	1.21	.87	1.28	1.30	1.30	.48	1.30	1.31	.49	.59
1300-1400	1.15	1.11	.94	1.18	1.29	1.20	.34	1.20	1.21	.80	.65
1400-1500	.99	.93	.70	.99	.81	1.03	.36	1.04	.84	.97	.99
1500-1600	.77	.69	.42	.75	.67	.77	.55	.80	.65	.74	.71
1600-1700	.48	.41	.16	.45	.39	.47	.31	.51	.29	.44	.42
1700-1800	.16	.14	.06	.15	.16	.12	.15	.17	.09	.17	.14
1800-1900	-	-	-	-	-	-	.01	.01	-	-	.01
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	564.0	549.0	394.8	591.6	561.0	596.4	303.6	600.6	572.4	298.2	390.6

Table 10. April 1975. (Continued)

Hour of Day	Day of 1975										
	102	103	104	105	106	107	108	109	110	111	112
0500-0600	.01	.02	.05	-	.03	.04	.04	-	.04	.04	.04
0600-0700	.11	.19	.28	.02	.21	.25	.22	.06	.27	.26	.26
0700-0800	.48	.51	.57	.06	.47	.54	.34	.14	.57	.56	.56
0800-0900	.57	.64	.85	.06	.80	.83	.18	.35	.85	.78	.84
0900-1000	1.04	.62	1.07	.12	.86	(1.06)[a]	.16	.59	1.09	1.00	.91
1000-1100	1.24	.70	1.21	.20	1.05	1.21	.10	.45	1.14	1.26	.27
1100-1200	.85	.85	1.30	.18	1.08	1.31	.36	.26	1.30	1.31	.39
1200-1300	.92	.81	1.27	.09	1.11	1.31	.45	.17	1.38	1.37	.45
1300-1400	1.17	1.20	1.00	.13	.96	1.22	.38	.17	.83	1.25	.66
1400-1500	1.16	1.00	.60	.14	.76	1.04	.39	.14	.91	1.09	1.17
1500-1600	.63	.51	.32	.09	.52	.77	.40	.28	.87	.85	.28
1600-1700	.51	.28	.12	.03	.49	.50	.21	.07	.58	.78	.18
1700-1800	.17	.19	.03	.01	.29	.22	.07	.02	.25	.26	.07
1800-1900	.01	.01	-	-	.01	.01	-	-	.02	.02	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	532.2	451.8	520.2	67.8	518.4	618.6	198.0	162.0	606.0	649.8	364.8

[a] value includes some estimated hourly values.

Table 10. April 1975. (Continued)

Hour of Day	Day of 1975							
	113	114	115	116	117	118	119	120
0500-0600	.04	.03	-	-	.05	.04	-	.01
0600-0700	.27	.22		.06	.30	.26	.02	.11
0700-0800	.52	.39		.45	.61	.32	.06	.19
0800-0900	.77	.38		.85	.85	.76	.17	.25
0900-1000	.93		NO DATA	1.10	1.13	1.10	.24	.45
1000-1100	1.16			1.28	1.29	.90	.22	.88
1100-1200	1.23			1.38	1.38	.56	.28	.87
1200-1300	1.17	NO DATA		1.39	1.38	.32	.30	.56
1300-1400	.86			1.28	1.23	.17	.49	.77
1400-1500	.68		.04	1.11	.98	.12	.35	.37
1500-1600	.43		.13	.87	.71	.10	.14	.48
1600-1700	.24		.16	.56	.45	.07	.16	.17
1700-1800	.08		.02	.27	.15	.04	.08	.10
1800-1900	-	-	-	.03	.03	-	-	.04
1900-2000	-	-	-	-	-	-	-	-
Total	502.8			637.8	632.4	285.6	150.6	315.0

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). May 1975.

Hour of Day	Day of 1975										
	121	122	123	124	125	126	127	128	129	130	131
0400-0500	-	-	-	-	-	-	-	-	-	-	-
0500-0600	-	.01	.04	.01	-	.04	.11	.11	.04	.07	.11
0600-0700	.01	.05	.10	.02	.06	.22	.37	.35	.12	.22	.34
0700-0800	.02	.09	.39	.03	.16	.27	.39	.65	.19	.54	.64
0800-0900	.04	.17	.77	.04	.13	.71	.62	(.90)[a]	.43	.91	.88
0900-1000	.06	.24	.98	.09	.14	1.06	.49	1.11	.76	1.14	1.08
1000-1100	.10	.40	1.23	.33	.42	1.22	1.03	1.29	.27	1.27	1.23
1100-1200	.24	.69	1.28	.51	.20	1.31	1.34	1.35	.48	1.27	1.09
1200-1300	.22	.57	1.16	.63	.23	1.34	1.37	1.30	.64	1.31	1.38
1300-1400	.19	.77	.87	1.12	.29	1.16	1.24	1.03	.61	1.24	1.22
1400-1500	.15	1.07	.71	.95	.64	.94	1.09	.97	.46	1.06	1.03
1500-1600	.11	.72	.46	.64	.82	.65	.54	.80	.26	.82	.76
1600-1700	.08	.55	.21	.41	.51	.11	.41	.50	.14	.57	.51
1700-1800	.03	.26	.06	.22	.19	.14	.17	.19	.06	.28	.21
1800-1900	.01	.04	.01	.06	.04	.02	.04	.04	.01	.06	.05
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	75.6	337.8	496.2	303.6	229.8	551.4	552.6	635.4	268.2	645.6	631.8

[a] value includes some estimated hourly values.

Table 10. May 1975. (Continued)

Hour of Day	Day of 1975										
	132	133	134	135	136	137	138	139	140	141	142
0400-0500	-	-	-	-	-	-	-	-	-	-	.01
0500-0600	.09	.05	.09	.09	.01	.11	.07	.05	.10	.09	.10
0600-0700	.34	.09	.35	.35	.05	.35	.14	.19	.33	.25	.32
0700-0800	.56	.29	.63	.62	.07	.66	.43	.38	.61	.51	(.61)[a]
0800-0900	.81	.72	.88	.67	.13	.73	.46	.94	.88	.84	
0900-1000	1.09	.85	1.11	.83	.26	1.09	.86	.99	1.11	.98	
1000-1100	1.05	.99	1.27	1.10	.56	.95	.46	.80	1.28	1.17	NO DATA
1100-1200	1.09	1.43	1.34	1.00	.77	.73	1.03	1.27	1.34	.63	
1200-1300	.77	.77	1.34	.91	.81	.31	1.24	1.35	1.32	1.35	
1300-1400	.97	.50	1.21	.85	.69	.42	.49	1.03	1.21	1.21	(1.12)[a]
1400-1500	.53	.08	1.03	.64	.89	.38	.42	.71	.97	1.03	(.95)[a]
1500-1600	.35	.09	.77	.24	.69	.36	.38	.81	.61	.79	.70
1600-1700	.13	.21	.52	.12	.38	.27	.30	.55	.31	.49	.30
1700-1800	.01	.37	.21	.07	.26	.20	.08	.27	.26	.17	.07
1800-1900	-	.08	.07	.03	.06	.07	.02	.06	.07	.04	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	467.4	391.2	649.2	451.2	337.8	397.8	382.8	564.0	624.0	573.0	

[a] value includes some estimated hourly values.

Table 10. May 1975. (Continued)

Hour of Day	Day of 1975								
	143	144	145	146	147	148	149	150	151
0400-0500	-	-	-	-	-	.01	-	-	-
0500-0600	.05	.10	.06	.03	.12	.15	.15	.05	.03
0600-0700	.12	.23	.04	.09	.32	.41	.37	.10	.10
0700-0800	.63	.39	.08	.29	.62	.70	.67	.32	.17
0800-0900	.90	.72	.07	.55	.87	.97	.85	.49	.26
0900-1000	1.09	1.07	.07	.66	1.11	1.20	1.14	.71	.52
1000-1100	1.24	1.20	.06	.54	1.21	1.34	1.24	.59	.67
1100-1200	1.32	1.28	.09	1.19	1.15	1.43	1.24	.51	.85
1200-1300	1.30	1.32	.09	1.22	1.26	1.39	1.24	.57	.99
1300-1400	1.22	.39	.07	1.17	1.19	1.30	1.32	.53	.83
1400-1500	1.06	.07	.09	1.01	.73	1.15	1.12	.97	.71
1500-1600	.82	.09	.06	.71	.29	.91	.89	.58	.50
1600-1700	.51	.14	.04	.47	.10	.59	.47	.51	.48
1700-1800	.24	.21	.02	.21	.08	.33	.20	.31	.28
1800-1900	.06	.06	.01	.03	.12	.12	.08	.09	.05
1900-2000	-	-	-	-	-	-	-	-	-
Total	633.6	436.2	51.0	490.2	550.2	720.0	658.8	379.8	386.4

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). June 1975

Hour of Day	Day of 1975										
	152	153	154	155	156	157	158	159	160	161	162
0400-0500	-	.01	-	.02	.01	-	.01	.01	.01	.01	.02
0500-0600	.04	.16	.10	.17	.12	.06	.15	.15	.16	.16	.16
0600-0700	.03	.42	.36	.43	.32	.32	.39	.41	.43	.43	.35
0700-0800	.09	.70	.62	.70	.51	.67	.67	.68	.69	.69	.56
0800-0900	.15	.97	.79	.95	.31	.93	.95	.94	.94	.99	.80
0900-1000	.21	1.18	.91	1.16	.48	1.03	1.03	1.04	1.16	.85	1.00
1000-1100	.71	1.34	1.07	1.30	.99	1.03	.70	.92	1.05	1.25	1.23
1100-1200	.64	1.41	1.25	1.39	1.26	1.39	1.27	1.19	1.41	1.25	1.27
1200-1300	.78	1.38	.69	1.41	1.28	.61	1.54	.80	1.01	1.31	.69
1300-1400	.56	1.28	.19	1.34	1.09	1.39	1.06	.49	.69	.95	.51
1400-1500	.43	1.12	.64	.98	.97	.77	1.02	.34	.60	.89	.14
1500-1600	.47	.90	.88	.76	.42	.69	.89	.52	.85	.78	.11
1600-1700	.50	.61	.59	.57	.32	.67	.42	.58	.62	.61	.15
1700-1800	.15	.32	.31	.22	.16	.32	.37	.38	.32	.27	.07
1800-1900	.07	.08	.08	.06	.04	.04	.11	.09	.08	.10	.02
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	289.8	712.8	508.8	687.6	496.8	595.2	634.8	512.4	601.2	632.4	424.8

Table 10. June 1975. (Continued)

Hour of Day	Day of 1975										
	163	164	165	166	167	168	169	170	171	172	173
0400-0500	-	-	.01	.01	.01	-	.01	.01	.01	.01	.02
0500-0600	.02	.09	.16	.12	.16	.08	.07	.16	.08	.16	.16
0600-0700	.04	.44	.39	.40	.47	.18	.24	.39	.34	.42	.41
0700-0800	.05	.69	.65	.66	.41	.42	.55	.65	.66	.70	.65
0800-0900	.06	.96	.96	.91	.45	.56	.61	(.89)[a]	.97	.96	.89
0900-1000	.13	1.18	1.01	1.13	.81	.86	1.09	1.08	1.18	1.18	1.09
1000-1100	.13	1.30	1.21	1.28	1.46	1.14	1.23	1.20	1.33	1.34	1.28
1100-1200	.19	1.38	1.05	1.35	1.00	1.45	1.32	1.27	1.37	1.42	1.40
1200-1300	(.14)[a]	1.10	1.35	1.36	.72	1.27	1.29	1.04	1.14	1.41	1.36
1300-1400	.12	1.02	1.25	1.24	.16	1.10	1.06	.81	1.03	1.32	1.27
1400-1500	.11	.89	1.05	1.07	.55	1.07	.77	.66	.90	1.14	1.11
1500-1600	.13	.84	.81	.87	.69	.85	.69	.48	.86	.91	.87
1600-1700	.07	.43	.27	.61	.44	.60	.14	.29	.60	.68	.62
1700-1800	.08	.27	.32	.33	.35	.32	.09	.07	.33	.32	.37
1800-1900	.05	.11	.09	.10	.11	.10	.03	-	.09	.16	.11
1900-2000	-	-	-	-	-	-	-	-	-	.01	-
Total	79.2	642.0	634.8	686.4	467.4	600.0	551.4	540.0	653.4	728.4	696.6

[a] value includes some estimated hourly values.

Table 10. June 1975. (Continued)

Hour of Day	Day of 1975							
	174	175	176	177	178	179	180	181
0400-0500	.01	.01	-	-	-	-	-	-
0500-0600	.13	.09	.06	.01	.04	.10	.03	.09
0600-0700	.37	.28	.17	.04	.10	.29	.24	.21
0700-0800	.64	.51	.36	(.11)[a]	.13	.42	.49	.38
0800-0900	.88	.66	.68	(.13)[a]	.24	.74	.47	.35
0900-1000	1.09	.93	.90	(.15)[a]	.33	.92	.46	.70
1000-1100	1.25	1.11	1.17	.26	.24	1.13	.90	1.09
1100-1200	1.33	1.20	1.24	.48	.36	1.39	1.20	1.16
1200-1300	1.33	1.22	1.26	.46	.43	1.36	.83	1.33
1300-1400	1.25	1.13	1.17	.61	.25	1.31	1.05	.94
1400-1500	1.06	.99	1.00	.72	.37	.22	.43	1.13
1500-1600	.85	.51	.81	.33	.34	.51	.80	.92
1600-1700	.58	.51	.52	.32	.16	.68	.34	.65
1700-1800	.31	.23	.11	.19	.09	.40	.32	.35
1800-1900	.09	.11	.02	.05	.03	.13	.05	.12
1900-2000	.01	-	-	-	-	.01	.01	.01
Total	670.8	569.4	568.2	231.6	186.6	576.6	457.2	565.8

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). July 1975.

Hour of Day	Day of 1975										
	182	183	184	185	186	187	188	189	190	191	192
0400-0500	.01	.01	-	.01	-	-	.01	.01	-	-	-
0500-0600	.10	.13	.10	.11	.11	.06	.08	.07	.08	.04	.05
0600-0700	.39	.40	.33	.29	.43	.21	.19	.16	.29	.17	.15
0700-0800	.66	.67	.57	.56	.75	.68	.44	.47	.30	.40	.18
0800-0900	.95	.95	(.86)[a]	.66	.57	.67	.24	.41	.37	NO DATA	.37
0900-1000	1.22	1.15	1.06	1.04	.84	1.14	.12	1.01	.93		.75
1000-1100	1.38	1.31	1.20	1.28	.99	1.21	.47	1.20	.65	1.21	.83
1100-1200	1.34	1.33	1.31	1.38	1.26	1.03	.75	1.37	1.24	1.29	.56
1200-1300	1.30	1.42	1.31	1.00	1.40	.96	.72	1.36	1.05	1.30	.76
1300-1400	1.37	1.33	1.21	.53	1.30	.88	.84	1.28	.97	1.23	.68
1400-1500	1.21	1.17	1.03	.43	1.14	1.08	.71	.43	.57	1.05	.59
1500-1600	1.01	.98	.79	.28	.93	.87	.35	.35	.49	.75	.22
1600-1700	.74	.68	.21	.22	.67	.59	.40	.52	.15	.32	.09
1700-1800	.45	.41	.04	.20	.38	.30	.15	.28	-	.05	.04
1800-1900	.16	.13	.02	.12	.11	.09	.04	.09	.17	.01	.02
1900-2000	.01	.01	-	-	.01	-	-	-	.01	-	-
Total	738.0	724.8	602.4	486.6	653.4	586.2	330.6	540.6	436.2		317.4

[a] value includes some estimated hourly values.

Table 10. July 1975. (Continued)

Hour of Day	Day of 1975										
	193	194	195	196	197	198	199	200	201	202	203
0400-0500	-	-	-	-	-	.01	-	.01	-	-	-
0500-0600	.06	-	.01	.08	.13	.06	.07	.10	.09	.08	.04
0600-0700	.19	.04	.03	.23	.40	.15	.23	.23	.31	.30	.26
0700-0800	.32	.05	.29	.65	.55	.38	.37	.38	.56	.60	.45
0800-0900	.28	.14	.29	.52	.59	.59	.59	.28	.83	.87	.85
0900-1000	.19	.19	.59	.78	.55	.59	1.06	.41	.99	1.10	.91
1000-1100	.57	.14	.59	1.22	.47	.79	1.13	1.04	1.20	1.10	1.23
1100-1200	.76	.09	.49	.89	1.00	.47	1.18	1.13	1.31	1.39	1.37
1200-1300	.77	.15	.55	1.25	.52	.91	.68	1.01	1.03	1.36	.79
1300-1400	.46	.26	.66	.28	.47	.57	.76	.88	1.15	1.19	1.25
1400-1500	.45	.23	.73	.46	.09	.69	.96	.68	.27	1.09	1.17
1500-1600	.79	.28	.77	.57	.10	.60	.95	.59	.18	.73	.91
1600-1700	.64	.22	.42	.21	.21	.18	.59	.62	.34	.55	.65
1700-1800	.25	.05	.16	.08	.19	.27	.30	.30	.10	.28	.35
1800-1900	.07	.05	.04	.04	.10	.04	.07	.08	.04	.07	.09
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	348.0	113.4	337.2	435.6	322.2	378.0	536.4	464.4	504.0	642.6	619.2

Table 10. July 1975. (Continued)

Hour of Day	Day of 1975								
	204	205	206	207	208	209	210	211	212
0400-0500	.01	-	-	-	-	-	-	-	-
0500-0600	.08	.05	.04	.12	.10	.06	.09	.08	.09
0600-0700	.33	.12	.14	.37	.35	.18	.33	.29	.33
0700-0800	.61	.27	.52	.67	.62	.51	.61	.57	.61
0800-0900	.86	.71		.95	.91	.77	.89	.87	(.88)[a]
0900-1000	1.09	1.00		1.17	1.13	.96	1.12	1.11	(.98)[a]
1000-1100	1.24	1.16	.63	1.33	1.31	1.16	1.29	1.27	(1.07)[a]
1100-1200	1.32	1.35	.39	1.40	1.37	.93	1.37	1.35	1.27
1200-1300	1.29	1.04	.50	1.40	1.38	1.08	1.36	1.35	1.31
1300-1400	1.23	1.17	.37	1.31	1.28	1.20	1.27	1.27	1.25
1400-1500	1.07	.87	.48	1.14	1.08	.75	1.10	1.11	1.10
1500-1600	.83	.67	.35	.91	.85	.68	.87	.87	.87
1600-1700	.55	.53	.17	.63	.57	.27	.60	.59	.60
1700-1800	.19	.09	.08	.35	.30	.07	.31	.31	.32
1800-1900	.04	.02	.03	.09	.07	.08	.07	.06	.09
1900-2000	-	-	-	-	-	-	-	-	-
Total	644.4	543.0		710.4	679.2	522.0	676.8	666.0	646.2

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). August 1975.

Hour of Day	Day of 1975										
	213	214	215	216	217	218	219	220	221	222	223
0500-0600	.05	.05	.04	.03	.02	.02	.01	.07	.02	.03	-
0600-0700	.25	.25	.25	.11	.23	.11	.11	.31	.22	.21	.05
0700-0800	.54	.51	.51	.35	.37	.22	.37	.57	.50	.45	.15
0800-0900	.81	.77	.77	.74	.64	.68	.82	.80	.79	.67	.30
0900-1000	1.01	.98	1.01	.96	.86	.73	.94	1.07	1.03	.96	.70
1000-1100	1.12	1.13	1.16	1.06	1.00	.69	.67	1.27	1.22	.96	1.04
1100-1200	1.23	1.21	1.26	.93	.85	.71	.67	1.35	1.31	.47	1.07
1200-1300	1.28	1.25	1.29	.87	1.00	.68	.45	1.34	1.28	.59	1.18
1300-1400	1.22	1.19	1.21	1.18	.91	.63	NO DATA	1.05	1.27	.60	.96
1400-1500	1.08	1.05	1.09	1.05	1.06	.78		1.01	1.04	.53	.86
1500-1600	.88	.83	.88	.83	.77	.09	.51	.44	.89	.46	.64
1600-1700	.64	.56	.62	.53	.59	.20	.49	.30	.61	.42	.19
1700-1800	.37	.31	.33	.30	.14	.13	.35	.29	.34	.13	.02
1800-1900	.11	.08	.08	.02	.03	.03	.07	.12	.09	.05	.01
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	635.4	610.2	630.0	537.6	508.2	342.0		599.4	636.6	391.8	430.2

Table 10. August 1975. (Continued)

Hour of Day	Day of 1975										
	224	225	226	227	228	229	230	231	232	233	234
0500-0600	.01	.01	.01	.01	.03	.04	.05	.06	.01	.01	.01
0600-0700	.16	.15	.04	.04	.07	.18	.22	.27	.15	.04	.08
0700-0800	.45	.38	.11	(.37)[a]	.27	.25	.44	.57	.28	.22	.20
0800-0900	.62	.46	.12	.17	.56	.08	.64	.80	.37		
0900-1000	.76	.47	.39	.72	.64	.24	.98	1.01	.48	NO DATA	
1000-1100	1.21	.78	.85	.74	.97	.31	1.01	1.21	.96		
1100-1200	.96	1.10	1.00	1.07	.89	.37	1.26	1.27	.92	.76	
1200-1300	1.24	1.12	.86	1.13	.93	.33	1.30	1.29	1.25	.73	
1300-1400	1.02	1.01	.72	1.00	.94	.80	1.18	1.20	1.13	1.07	NO DATA
1400-1500	.77	.74	.49	.84	.14	.78	.93	1.05	.98	.91	
1500-1600	.72	.84	.66	.47	.04	.62	.70	.76	.76	.61	
1600-1700	.52	.55	.36	.14	.01	.31	.41	.55	.44	.37	
1700-1800	.26	.19	.16	.12	.05	.11	.17	.26	.24	.09	
1800-1900	.06	.03	.05	.02	.02	.01	.02	.04	.03	.01	
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	525.6	469.8	349.2	410.4	333.6	265.8	558.6	620.4	480.0		

[a] value includes some estimated hourly values.

Table 10. August 1975. (Continued)

Hour of Day	Day of 1975								
	235	236	237	238	239	240	241	242	243
0500-0600	-	-	-	.03	.02	.02	.01	.01	-
0600-0700				.21	.21	.22	.14	.15	.01
0700-0800				.45	.48	.51	.18	.38	.02
0800-0900			NO DATA	.73	.77	.79	.52	.64	.03
0900-1000				.96	1.02	1.03	.98	.91	.06
1000-1100				1.12	1.19	1.20	1.10	1.05	.06
1100-1200	NO DATA	NO DATA		1.22	1.26	1.28	1.20	1.14	.05
1200-1300				1.21	1.26	1.26	1.18	1.09	.06
1300-1400			(1.14)[a]	1.13	1.16	(1.17)[a]	1.04	1.04	.04
1400-1500			.96	.96	1.00	(1.00)[a]	.86	.95	.06
1500-1600			.69	.74	.77	.77	.51	.53	.08
1600-1700			.44	.47	.49	.48	.24	.28	.04
1700-1800			.20	.20	.20	.21	.22	.04	.02
1800-1900			.02	.02	.02	.01	.01	.01	-
1900-2000	-	-	-	-	-	-	-	-	-
Total				567.0	591.0	597.0	491.4	493.2	31.8

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). September 1975.

Hour of Day	Day of 1975										
	244	245	246	247	248	249	250	251	252	253	254
0500-0600	-	-	.01	-	.01	-	-	-	-	.01	-
0600-0700	.01	.04	.20	.08	.17	.02	.01	.04	.08	.16	.07
0700-0800	.03	.08	.48	.16	.43	.16	.09	.18	.36	.44	.21
0800-0900	.11	.28	.73	.36	.69	.53	.14	.15	.68	.72	.33
0900-1000	.21	.34	1.01	.54	.92	.45	.23	.47	.98	.97	.51
1000-1100	.12	.98	1.18	.31	1.06	.60	.30	.66	1.10	.98	.90
1100-1200	.10	.95	1.28	.61	1.15	.66	.27	.46	1.18	.49	.90
1200-1300	.06	.68	1.29	.84	1.21	.65	.28	.60	1.19	.58	.41
1300-1400	.16	.38	1.22	.71	1.10	.50	.19	.59	1.13	.79	.40
1400-1500	.12	.41	1.05	.81	.93	.31	.15	.73	.96	.79	.42
1500-1600	.08	.40	.72	.61	.68	.40	.18	.68	.74	.70	.33
1600-1700	.05	.38	.40	.30	.40	.22	.07	.37	.46	.40	.14
1700-1800	.01	.08	.31	.19	.14	.02	.02	.13	.18	.08	.02
1800-1900	-	.01	.01	.01	-	-	-	-	.01	.01	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	63.6	300.6	593.4	331.8	533.4	271.2	115.8	303.6	543.0	427.2	278.4

Table 10. September 1975. (Continued)

Hour of Day	Day of 1975										
	255	256	257	258	259	260	261	262	263	264	265
0500-0600	.06	.16	.15	.10	.05	-	-	-	-	-	-
0600-0700	.11	.46	.44	.36	.11	.12	.09	.02	.03	.03	.08
0700-0800	.22	.73	.72	.36	.11	.31	.24	.09	.10	.07	.18
0800-0900	.34	.97	.96	.41	.22	.60	.32	.23	.14	.11	.24
0900-1000	.53	1.13	1.14	.90	.33	.87	.40	.30	.48	.25	.34
1000-1100	.47	.60	1.23	.80	.34	1.03	.40	.16	.88	.33	.57
1100-1200	.94	1.08	1.22	.86	.51	1.11	.35	.27	1.09	.27	.43
1200-1300	.40	.90	1.13	.74	.83	1.10	.15	.28	1.04	.58	.50
1300-1400	.60	1.05	.96	.62	.33	.82	.13	.41	.82	.26	.26
1400-1500	.12	.44	.70	.44	.20	.80	.14	.43	.84	.27	.19
1500-1600	.07	.37	.41	.32	.11	.55	.03	.20	.34	.34	.07
1600-1700	.02	.16	.14	.07	.01	.18	.05	.06	.21	.16	.03
1700-1800	-	-	-	-	-	.08	.01	.05	.05	.07	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	232.8	483.0	552.0	358.8	189.0	454.2	138.6	150.0	361.2	164.4	173.4

Table 10. September 1975. (Continued)

Hour of Day	Day of 1975							
	266	267	268	269	270	271	272	273
0500-0600	-	-	-	-	-	-	-	-
0600-0700	.01	.03	-	.14	.08	.10	.08	.07
0700-0800	.04	.05	.01	.15	.33	.36	.31	.30
0800-0900	.15	.14	.10		.58	.64	.60	.56
0900-1000	.12	.15	.24	.05	.83	.89	.88	.71
1000-1100	.09	.22	.13	.14	.93	1.05	1.04	.97
1100-1200	.09	.54	.04	.86	1.12	1.13	1.12	1.05
1200-1300	.13	.19	.05	.66	1.00	1.11	1.10	1.04
1300-1400	.08	.24	.02	.54	.93	1.02	1.00	.93
1400-1500	.06	.11	.07	.48	.66	.84	.82	.74
1500-1600	.05	.01	.04	.32	.49	.56	.55	.48
1600-1700	.03	.01	.02	.08	.23	.29	.28	.23
1700-1800	.01	.01	-	.03	.04	.06	.04	.04
1800-1900	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-
Total	51.6	102.0	43.2		433.2	483.0	469.2	427.2

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). October 1975.

Hour of Day	Day of 1975										
	274	275	276	277	278	279	280	281	282	283	284
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.02	.03	.10	.08	.07	.03	.14	.04	.01	-	-
0700-0800	.12	.11	.37	.27	.32	.14	.34	.21	.08	.02	.04
0800-0900	.21	.15	.66	.60	.54	.41	.48	.40	.08	.05	.14
0900-1000	.40	.22	.89	.76	.61	.67	.75	.62	.05	.09	.06
1000-1100	.50	.25	1.03	.97	1.00	.74	.91	.89	.08	.14	.20
1100-1200	.60	.45	1.11	1.05	.98	.78	.78	.93	.13	.18	.18
1200-1300	.92	.78	1.10	1.01	.67	.80	.67	.90	.11	.21	.24
1300-1400	.97	.78	.97	.96	.82	.82	.56	.88	.06	.25	.23
1400-1500	.59	.76	.80	.76	.58	.67	.44	.62	.09	.19	.59
1500-1600	.32	.55	.54	.52	.40	.34	.31	.18	.08	.18	.43
1600-1700	.20	.27	.28	.26	.14	.16	.12	.07	.03	.03	.17
1700-1800	.02	.04	.04	.04	.02	.01	.05	-	-	-	.01
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	292.2	263.4	473.4	436.8	369.0	334.2	333.0	344.4	48.0	80.4	137.4

Table 10. October 1975. (Continued)

Hour of Day	Day of 1975										
	285	286	287	288	289	290	291	292	293	294	295
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.05	.05	.03	.04	.03	-	.02	-	.04	.04	.03
0700-0800	.28	.23	.24	.15	.09	.03	.07	.03	.24	.24	.22
0800-0900	.54	.47	.49	.45	.11	.04	.28	.06	.52	.49	.47
0900-1000	.78	.75	.73	.67	.28	.08	.28	.11	.69	.72	.70
1000-1100	.94	.91	.89	.87	.23	.09	.44	.10	.88	.88	.84
1100-1200	.69	.97	.93	.92	.42	.05	.51	.12	.97	:95	.90
1200-1300	.84	.96	.80	.92	.38	.08	.43	.09	.40	.96	.88
1300-1400	.96	.84	.60	.83	.26	.09	.41	.21	.52	.79	.78
1400-1500	.59	.67	.42	.66	.31	.07	.46	.24	.18	.71	.60
1500-1600	.39	.44	.30	.40	.19	.02	.22	.07	.26	.36	.36
1600-1700	.21	.20	.11	.16	.14	.01	.10	.02	.06	.13	.14
1700-1800	.02	.02	.01	.01	-	-	-	-	-	.01	.01
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	377.4	390.6	333.0	364.8	146.4	33.6	193.2	63.0	285.6	376.8	355.8

Table 10. October 1975. (Continued)

Hour of Day	Day of 1975								
	296	297	298	299	300	301	302	303	304
0500-0600	-	-	-	-	-	-	-	-	-
0600-0700	.02	-	-	.02	-	.02	.01	-	.03
0700-0800	.18	.02	.04	.15	.09	.14	.12	.04	.22
0800-0900	(.45)[a]	.04	.14	.26	.19	.44	.38	.44	.46
0900-1000	.68	.10	.19	.35	.34	.48	.48	.61	.69
1000-1100	.84	NO DATA	.17	.35	.38	.73	.77	.81	.83
1100-1200	.91		.20	.33	.24	.94	.72	.97	.90
1200-1300	.89		.12	.34	.24	.76	.49	.84	.85
1300-1400	.77	.66	.20	.30	.25	.71	.44	.80	.74
1400-1500	.59	.56	.21	.17	.30	.49	.42	.63	.58
1500-1600	.36	.33	.20	.10	.11	.31	.15	.36	.32
1600-1700	.14	.11	.09	.03	.04	.09	.08	.12	.11
1700-1800	-	.01	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-
Total	349.8		93.6	144.0	130.8	306.6	243.6	337.2	343.8

[a] value includes some estimated hourly values.

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). November 1975.

Hour of Day	Day of 1975										
	305	306	307	308	309	310	311	312	313	314	315
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.03	-	.02	.01	.02	.02	NO DATA	.01	.01	-	.01
0700-0800	.17	.02	.19	.08	.18	.18		.06	.07	.03	.17
0800-0900	.42	.04	.52	.26	.40	.41	.38	.23	.15	.04	.41
0900-1000	.70	.38	.68	.62	.64		.54	.59	.26	.06	.64
1000-1100	.78	.24	.80	.75	.77		.69	.75	.25	.07	.78
1100-1200	.82	.39	.57	.78	.82		.56	.79	.23	.15	.82
1200-1300	.88	.79	.67	.82	.79	NO DATA	.76	.77	.20	.22	.78
1300-1400	.58	.67	.36	.69	.70		.35	.64	.17	.23	.67
1400-1500	.34	.50	.36	.48	.51		.20	.45	.14	.21	.50
1500-1600	.22	.24	.27	.26	.28		.16	.16	.07	.12	.26
1600-1700	.06	.04	.05	.04	.06		.03	.04	.02	.04	.05
1700-1800	-	-	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	300.0	198.6	294.4	287.4	310.2			269.4	94.2	70.2	305.4

Table 10. November 1975. (Continued)

Hour of Day	Day of 1975										
	316	317	318	319	320	321	322	323	324	325	326
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.01	-	-	.01	.01	-	-	-	-	-	-
0700-0800	.04	-	.06	.16	.14	.12	.17	.13	.12	.01	.12
0800-0900	.04	.04	.14	.40	.36	.33	.40	.34	.33	.03	.37
0900-1000	.09	.08	.31	.63	.57	.60	.60	.54	.58	.04	.58
1000-1100	.10	.10	.31	.77	.72	.73	.74	.69	.70	.10	.72
1100-1200	.14	.16	.30	.81	.77	.80	.79	.75	.76	.07	.77
1200-1300	.16	.17	.13	.79	.75	.74	.76	.72	.73	.06	.66
1300-1400	.09	.16	.46	.66	.64	.63	.65	.60	.64	.13	.58
1400-1500	.06	.11	.32	.52	.46	.44	.47	.43	.44	.06	.20
1500-1600	.05	.04	.22	.25	.24	.22	.24	.22	.22	.02	.08
1600-1700	.01	.01	.04	.05	.04	.04	.05	.04	.03	-	.03
1700-1800	-	-	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	47.4	52.2	137.4	303.0	282.0	279.0	292.2	267.6	273.0	31.2	246.6

Table 10. November 1975. (Continued)

Hour of Day	Day of 1975							
	327	328	329	330	331	332	333	334
0500-0600	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-
0700-0800	.07	.03	.04	.14	.01	.11	.13	.06
0800-0900	.25	.11	.13	.36	.02	.31	.35	.14
0900-1000	.39	.39	.23	.54	.11	.52	.38	.40
1000-1100	.58	.28	.26	.67	.12	.67	.58	.21
1100-1200	.40	.34	.47	.73	.08	.74	.60	.22
1200-1300	.31	.32	.37	.64	.11	.70	.62	.56
1300-1400	.19	.24	.32	.60	.16	.60	.48	.54
1400-1500	.10	.15	.30	.41	.07	.42	.41	.38
1500-1600	.03	.12	.08	.20	.11	.20	.16	.10
1600-1700	-	.02	-	.02	.02	.03	.02	.02
1700-1800	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-
Total	139.2	120.0	132.0	258.6	48.6	258.0	223.8	157.8

Table 10. Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm^2/min.) and Daily Totals (g cal/cm^2/day). December 1975.

Hour of Day	Day of 1975										
	335	336	337	338	339	340	341	342	343	344	345
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.01	.04	.05	.03	.08	.05	.05	-	-	.04	.03
0800-0900	.03	.22	.14	.10	.30	.25	.15	.06	.02	.21	.26
0900-1000	.05	.54	.34	.25	.48	.23	.36	.08	.02	.47	.45
1000-1100	.26	.69	.52	.72	.64	.52	.44	.10	.05	.58	.60
1100-1200	.47	.75	.75	.71	.70	.48	.42	.13	.07	.53	.69
1200-1300	.75	.73	.61	.69	.69	.60	.26	.13	.11	.35	.66
1300-1400	.64	.55	.61	.58	.60	.42	.20	.18	.07	.29	.58
1400-1500	.46	.40	.45	.42	.43	.26	.12	.10	.04	.12	.41
1500-1600	.24	.26	.22	.21	.21	.18	.06	.06	.01	.07	.05
1600-1700	.04	.04	.04	.04	.03	.02	.01	.01	-	.01	.02
1700-1800	-	-	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	177.0	253.2	223.8	225.0	249.6	180.6	124.2	51.0	23.4	160.2	225.0

Table 10. December 1975. (Continued)

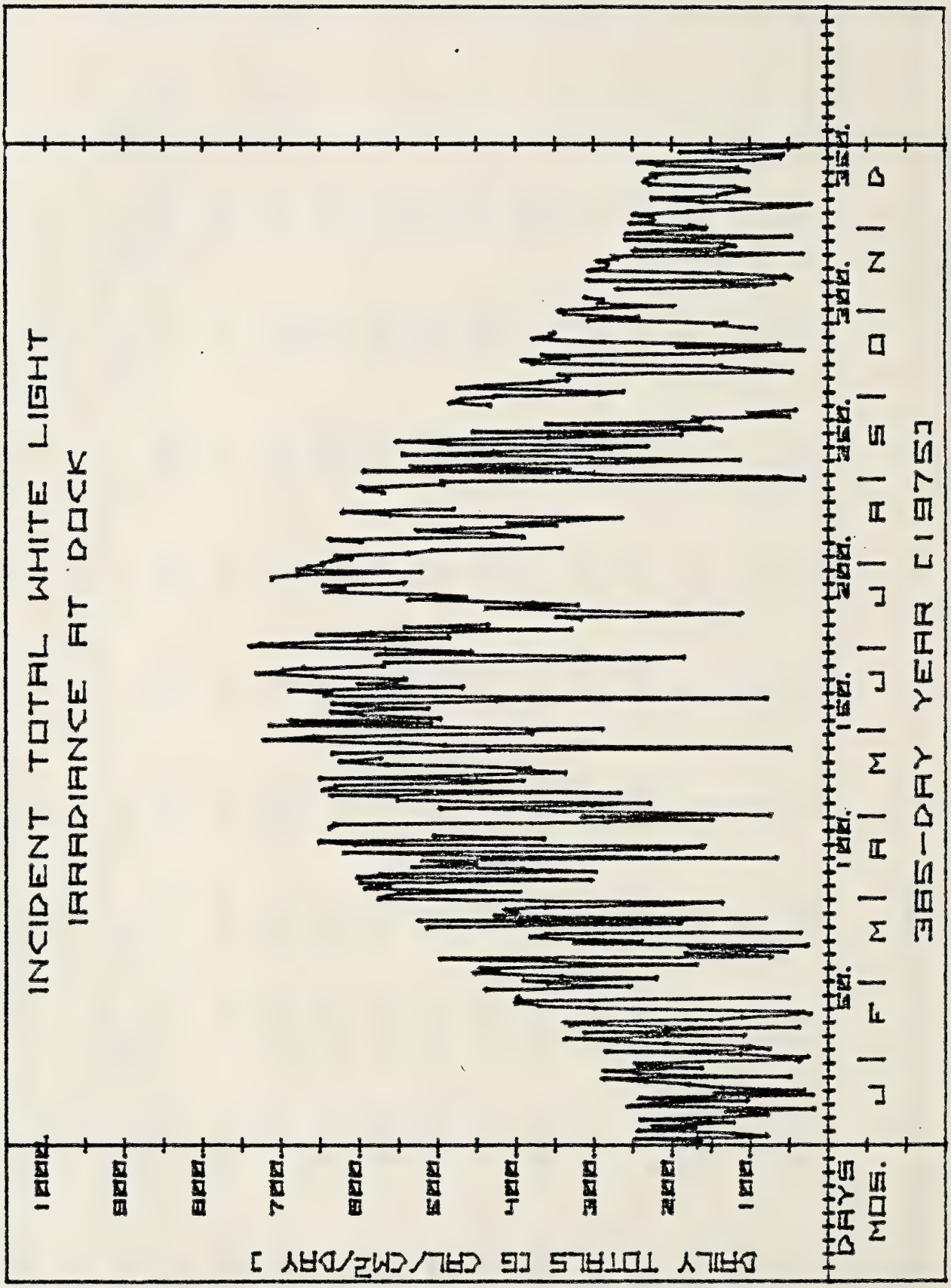
Hour of Day	Day of 1975										
	346	347	348	349	350	351	352	353	354	355	356
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.07	.01	.01	.04	.02	.09	.02	.06	.05	.02	.03
0800-0900	.27	.04	.08	.13	.23	.37	.24	.13	.25	.17	.11
0900-1000	.45	.09	.15	.25	.51	.49	.49	.39	.36	.26	.19
1000-1100	.61	.17	.19	.34	.56	.63	.64	.35	.49	.24	.41
1100-1200	.57	.28	.26	.43	.73	.69	.74	.69	.71	.24	.45
1200-1300	.26	.44	.32	.26	.72	.67	.66	.71	.70	.32	.29
1300-1400	.09	.59	.49	.30	.53	.63	.42	.62	.59	.25	.19
1400-1500	.04	.40	.17	.15	.31	.25	.45	.45	.44	.13	.15
1500-1600	.02	.15	.04	.06	.17	.10	.19	.23	.14	.06	.09
1600-1700	-	.03	.01	.01	.02	.01	.02	.04	.02	.01	.05
1700-1800	-	-	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	142.8	132.0	103.2	118.2	228.0	235.8	232.2	220.2	225.0	102.0	117.6

Table 10. December 1975. (Continued)

Hour of Day	Day of 1975								
	357	358	359	360	361	362	363	364	365
0500-0600	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-
0700-0800	.01	.03	.02	.01	.02	.01	.01	.01	.01
0800-0900	.17	.26	.09	.01	.21	.07	.06	.04	.02
0900-1000	.44	.48	.15	.02	.14	.37	.14	.12	.05
1000-1100	.60	.63	.23	.03	.14	.55	.20	.04	.08
1100-1200	.70	.69	.30	.13	.13	.64	.18	.12	.12
1200-1300	.68	.66	.37	.16	.09	.51	.30	.11	.11
1300-1400	.65	.56	.19	.11	.07	.59	.40	.10	.08
1400-1500	.29	.45	.17	.30	.08	.23	.43	.06	.04
1500-1600	.07	.23	.06	.23	.05	.13	.18	.02	.03
1600-1700	.02	.04	.01	.02	.01	.03	.02	-	(.01)[a]
1700-1800	-	-	-	-	-	-	-	-	-
1800-1900	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-
Total	217.8	241.8	95.4	61.2	56.4	187.8	115.2	37.2	33.0

[a] value includes some estimated hourly values.

Figure 7.


INCIDENT TOTAL WHITE LIGHT
IRRADIANCE AT DOCK
365-DAY YEAR (1975)
J | F | M | A | M | J | J | A | S | O | N | D
DAYS
MOS.
DAILY TOTALS (G CAL/CM2/DAY)

Weather Station Data

(map 2)

% Relative Humidity and Air Temperature - Measured using a Hygrothermograph - Belfort Instrument Company.

Barometric Pressure - Measured using an aneroid type barometer. Microbargraph - Belfort Instrument Company.

Rainfall - Measured using a weighing rain gauge - Belfort Instrument Company at the weather station and manually read, total event gauges at other locations.

Evaporation - Measurements are taken of the amount of water evaporating from an open pan. Wind run adjacent to the pan and maximum/minimum temperatures of the water in the pan were also taken.

Principal Investigator: Daniel Higman, Smithsonian Institution.

Research Funding: Smithsonian Institution.

Table 11. Weather station data

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
1	-	-	-	-	759	753
2	92	21	7.8	-5.6	770	759
3	94	40	6.7	-6.1	768	756
4	94	36	7.8	-2.8	763	756
5	90	30	6.7	-5.0	770	763
6	96	46	6.7	-6.7	770	760
7	94	42	9.4	-2.8	765	760
8	98	62	7.8	-2.8	764	750
9	95	40	8.9	-	763	751
10	88	72	10.6	3.3	762	752
11	94	48	17.8	7.8	766	755
12	90	31	10.0	2.8	757	754
13	94	48	2.2	-2.2	765	757
14	60	36	2.2	-7.8	766	763
15	90	32	1.7	-11.7	767	762
16	90	36	3.9	-5.0	774	767

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
17	74	32	3.3	-3.3	-	-
18	96	58	4.4	-2.2	773	756
19	96	55	10.0	0.0	758	754
20	94	72	4.4	-6.1	765	754
21	86	60	-0.6	-6.7	772	765
22	94	57	6.0	-4.4	772	769
23	98	50	7.8	-5.6	772	766
24	98	66	5.6	-5.6	766	755
25	96	45	13.3	5.6	755	738
26	61	28	8.9	2.2	743	758
27	89	34	8.3	-1.7	766	758
28	88	59	7.8	1.1	766	763
29	94	30	23.3	0.0	763	747
30	86	42	8.3	1.7	767	755
31	96	86	3.9	-1.1	771	766
32	93	68	0.6	-0.6	771	769

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
33	92	66	1.1	-3.9	771	769
34	92	36	3.9	5.6	773	770
35	96	40	0.0	-7.2	776	764
36	96	84	2.2	0.0	764	752
37	96	60	10.0	1.1	753	751
38	95	32	2.2	-5.6	763	753
39	88	26	7.8	-8.9	764	760
40	82	40	6.7	-5.6	766	757
41	86	36	0.0	-11.1	769	762
42	92	42	8.9	0.0	762	757
43	96	62	2.8	-3.3	760	752
44	95	32	1.1	-3.3	762	755
45	90	16	4.4	-5.6	765	762
46	94	46	3.3	-6.1	768	763
47	95	60	8.9	-0.6	763	759
48	98	86	5.6	-1.1	762	757

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
49	95	88	7.2	5.0	758	751
50	94	40	12.2	0.6	757	749
51	92	40	7.2	-3.3	762	758
52	93	30	12.2	-2.9	769	762
53	92	30	12.2	-3.3	769	762
54	94	76	13.3	5.0	761	753
55	93	60	15.6	8.9	752	746
56	76	26	12.8	5.6	754	746
57	82	16	14.4	-1.1	760	754
58	86	26	10.0	-2.8	761	758
59	94	34	10.0	-1.1	761	751
60	96	26	15.0	-1.1	753	750
61	78	36	2.2	-2.2	752	749
62	54	30	2.2	-2.8	759	752
63	50	32	4.4	-5.0	763	736
64	94	36	5.6	-7.8	766	763

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
65	94	20	18.9	2.2	763	758
66	90	30	17.8	4.4	761	747
67	58	30	10.0	-3.3	760	747
68	72	20	5.0	-7.2	767	760
69	98	44	2.2	-4.4	766	759
70	96	52	5.6	0.0	766	760
71	94	76	7.2	3.3	766	756
72	94	42	13.9	4.4	762	753
73	94	78	4.4	0.6	762	751
74	-	-	-	-	769	755
75	-	-	-	-	771	764
76	78	32	12.2	2.2	766	761
77	96	46	11.1	-2.2	770	762
78	93	84	11.7	7.2	762	743
79	92	22	15.6	9.4	755	743
80	56	20	16.1	2.8	760	755

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
81	88	40	18.9	7.8	757	745
82	80	24	17.2	4.4	757	749
83	94	22	14.4	6.1	757	746
84	94	20	19.4	7.8	756	748
85	54	34	7.8	1.1	762	756
86	60	26	6.7	-3.3	773	769
87	76	26	7.8	-1.7	768	761
88	86	48	13.3	5.6	761	749
89	94	36	12.2	3.3	752	749
90	64	22	12.2	-1.1	761	752
91	58	16	20.0	4.4	759	757
92	90	36	17.8	2.8	761	750
93	94	30	15.0	3.3	750	736
94	46	24	6.7	0.0	756	747
95	44	28	5.6	-1.1	758	-
96	54	22	11.1	-1.1	758	757

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
97	50	36	16.7	1.7	758	757
98	62	26	14.4	2.2	761	758
99	80	24	13.9	-2.2	763	759
100	90	42	8.9	0.6	759	756
101	94	26	11.1	-1.7	758	755
102	90	20	11.1	-0.6	762	756
103	90	28	12.2	-2.2	767	762
104	94	30	14.4	-3.9	769	762
105	94	66	7.8	5.0	762	757
106	92	34	13.9	3.9	759	757
107	80	26	17.8	4.4	760	758
108	88	54	15.0	5.0	759	751
109	86	40	24.4	13.3	755	748
110	52	26	17.8	9.4	763	755
111	78	24	21.1	2.2	768	764
112	86	32	12.2	0.0	772	768

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
113	98	43	18.9	2.2	769	759
114	92	42	25.0	14.4	744	753
115	92	56	21.1	12.2	757	750
116	92	26	17.8	10.6	765	756
117	88	24	16.7	1.7	766	761
118	90	32	14.4	8.3	761	755
119	90	40	15.6	8.9	762	757
120	80	42	16.1	10.0	764	762
121	94	68	17.8	9.4	764	761
122	93	50	18.9	8.9	762	761
123	94	34	20.0	5.0	762	756
124	94	66	16.7	10.0	756	749
125	92	50	15.6	7.2	757	751
126	96	50	18.9	5.6	758	751
127	89	38	18.9	9.4	760	754
128	96	28	22.2	6.7	762	761

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
129	93	26	20.0	8.3	763	761
130	86	26	22.2	11.1	762	759
131	96	28	22.2	6.7	760	758
132	94	50	22.2	10.0	758	756
133	94	48	22.2	11.1	758	755
134	90	34	25.6	11.7	760	758
135	94	46	24.4	11.7	759	756
136	92	58	23.3	13.3	761	754
137	94	48	22.2	11.1	764	761
138	94	60	22.2	12.8	761	757
139	90	50	24.4	15.6	758	756
140	94	44	27.8	13.3	759	757
141	92	38	32.2	15.6	759	756
142	92	50	30.0	20.0	761	756
143	92	40	28.9	18.3	759	756
144	92	50	28.9	17.8	757	756

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
145	94	88	21.1	15.0	763	757
146	90	60	24.4	14.4	763	755
147	90	40	29.4	17.8	756	755
148	90	26	25.6	12.2	760	757
149	94	24	27.8	10.6	762	759
150	-	-	25.6	18.9	759	754
151	-	-	27.8	20.6	755	753
152	-	-	25.0	18.9	758	753
153	-	-	25.6	14.4	762	757
154	-	-	24.4	16.7	-	-
155	-	-	27.2	12.8	756	754
156	-	-	27.8	17.8	754	749
157	-	-	28.3	17.8	749	747
158	-	-	22.8	13.9	752	747
159	-	-	21.1	11.7	759	752
160	-	-	18.9	9.4	764	759

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
161	-	-	24.4	16.1	766	765
162	-	-	23.3	12.8	766	761
163	-	-	21.1	16.7	761	756
164	-	-	28.9	17.2	757	756
165	-	-	29.4	15.0	758	756
166	-	-	29.4	17.8	757	756
167	-	-	28.9	18.3	760	756
168	-	-	28.9	18.3	761	760
169	-	-	31.1	20.0	762	759
170	-	-	33.3	18.9	762	758
171	-	-	31.1	21.1	762	758
172	-	-	27.8	14.4	766	762
173	-	-	26.7	12.2	768	765
174	-	-	31.1	17.2	766	765
175	-	-	32.2	18.3	765	762
176	-	-	31.7	21.1	763	761

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
177	-	-	24.4	19.4	764	763
178	-	-	24.4	20.0	763	761
179	-	-	27.8	19.4	762	761
180	-	-	27.2	18.9	762	761
181	-	-	26.7	18.9	763	761
182	-	-	27.2	12.2	765	764
183	-	-	31.1	11.7	764	760
184	-	-	32.8	17.8	760	756
185	-	-	27.8	16.1	757	755
186	-	-	29.4	17.2	757	755
187	-	-	28.9	16.7	757	755
188	-	-	24.4	17.2	756	753
189	-	-	28.3	18.3	755	753
190	-	-	32.2	18.4	754	752
191	-	-	30.0	17.8	754	751
192	-	-	25.6	17.2	755	753

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
193	-	-	25.6	18.9	758	754
194	-	-	23.3	20.0	761	757
195	-	-	26.7	22.2	764	762
196	-	-	27.8	21.1	765	762
197	-	-	26.7	21.7	766	764
198	-	-	29.4	21.1	765	763
199	-	-	30.6	20.0	764	761
200	-	-	30.0	21.1	761	758
201	-	-	31.1	22.2	758	755
202	-	-	30.0	21.1	756	754
203	-	-	30.0	18.9	760	758
204	-	-	31.7	17.2	761	759
205	-	-	30.6	21.1	760	756
206	-	-	27.8	19.4	758	756
207	-	-	25.6	20.0	762	759
208	-	-	27.8	12.2	761	757

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
209	-	-	32.2	19.4	758	756
210	-	-	30.0	17.8	763	761
211	-	-	30.6	15.6	765	763
212	-	-	31.1	17.2	765	763
213	-	-	33.3	17.8	764	760
214	-	-	35.6	20.0	760	757
215	-	-	35.0	20.0	758	756
216	-	-	35.6	21.1	758	756
217	-	-	31.1	21.1	757	755
218	-	-	28.9	18.9	757	754
219	-	-	30.6	15.6	757	738
220	-	-	27.8	12.2	765	745
221	-	-	31.1	20.0	764	769
222	-	-	28.9	16.1	769	759
223	-	-	30.6	19.4	758	756
224	-	-	31.7	17.8	759	758

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature o C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
225	-	-	32.2	21.1	761	759
226	-	-	30.6	21.1	761	758
227	-	-	28.3	22.2	760	758
228	-	-	30.0	23.3	759	757
229	-	-	29.4	21.1	758	756
230	-	-	31.1	20.6	760	758
231	-	-	27.8	19.4	769	761
232	-	-	26.7	17.8	765	761
233	-	-	28.3	16.1	766	761
234	-	-	30.6	23.3	762	760
235	-	-	24.4	20.0	766	762
236	-	-	31.1	20.6	764	759
237	-	-	34.4	20.6	759	758
238	-	-	34.4	21.7	762	759
239	-	-	30.6	17.8	766	762
240	-	-	28.9	15.6	768	764

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
241	-	-	28.9	14.4	765	760
242	-	-	32.2	19.4	760	757
243	-	-	22.8	17.2	762	759
244	-	-	19.4	18.3	761	758
245	-	-	25.0	18.3	759	757
246	-	-	24.4	13.3	760	757
247	-	-	27.8	13.9	761	759
248	-	-	25.6	13.3	762	759
249	-	-	27.2	19.4	761	758
250	-	-	20.0	16.1	764	761
251	-	-	26.7	16.7	764	763
252	-	-	24.4	10.0	768	763
253	-	-	22.8	8.3	768	765
254	-	-	25.6	13.9	765	758
255	-	-	27.8	13.9	758	752
256	-	-	18.9	7.8	765	759

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
257	-	-	25.6	4.4	771	766
258	-	-	24.4	6.1	-	-
259	-	-	20.6	11.1	767	763
260	-	-	23.3	10.0	764	762
261	-	-	26.1	14.4	764	760
262	-	-	23.9	18.3	760	759
263	-	-	28.9	20.0	759	757
264	-	-	20.6	12.8	761	758
265	-	-	22.2	12.2	764	760
266	-		15.6	14.4	760	758
267	-	-	21.1	15.6	760	756
268	-	-	21.7	17.2	762	760
269	-	-	23.3	18.9	760	758
270	-	-	23.3	12.8	762	759
271	-	-	21.7	10.0	764	762
272	-	-	23.3	7.2	766	764

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
273	-	-	25.0	10.0	765	763
274	-	-	24.4	11.1	764	757
275	-	-	17.8	6.7	768	756
276	-	-	17.2	2.2	772	768
277	-	-	21.7	3.9	770	768
278	-	-	23.3	6.7	764	762
279	-	-	25.6	12.2	764	760
280	-	-	19.4	7.2	766	762
281	-	-	22.2	5.6	765	764
282	-	-	16.7	14.4	764	763
283	-	-	22.2	13.9	765	763
284	-	-	21.7	13.3	763	758
285	-	-	18.9	8.9	763	759
286	-	-	25.6	7.8	764	759
287	-	-	28.9	12.2	760	758
288	94	30	30.6	14.4	759	756

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
289	92	46	20.6	13.3	761	756
290	96	72	18.9	9.4	762	752
291	94	80	21.7	16.7	756	750
292	94	82	16.7	14.4	758	756
293	98	42	14.4	7.8	757	755
294	98	30	22.8	3.9	761	757
295	96	32	26.7	7.8	758	757
296	98	40	25.0	6.7	760	740
297	98	68	21.7	8.3	768	763
298	94	72	20.6	13.3	763	758
299	96	50	16.7	11.1	763	758
300	88	66	15.0	10.6	764	762
301	98	56	20.0	11.1	765	763
302	98	44	20.0	9.4	763	760
303	93	43	12.8	0.6	769	760
304	96	28	9.4	-3.3	772	762

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
305	98	28	13.9	-2.8	770	765
306	92	40	18.9	1.1	766	765
307	98	40	22.2	5.0	766	763
308	94	34	24.4	7.8	764	762
309	97	30	24.4	7.8	764	762
310	98	40	20.0	5.0	766	763
311	96	46	22.2	9.4	763	758
312	94	40	26.1	13.3	760	757
313	98	90	16.7	11.1	763	761
314	98	32	20.0	12.2	762	756
315	93	30	15.6	3.3	765	759
316	95	66	14.4	3.3	763	752
317	95	50	12.8	3.9	751	751
318	66	40	5.6	0.0	760	750
319	74	28	10.6	-0.6	763	737
320	94	30	16.7	0.6	765	761

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
321	94	40	15.6	-2.2	769	766
322	98	32	20.6	0.0	768	766
323	96	40	18.9	2.2	768	764
324	98	36	20.0	1.7	763	756
325	94	42	15.6	3.9	757	750
326	92	42	8.9	-2.2	767	757
327	98	50	4.4	-3.9	770	765
328	96	45	6.7	-3.3	765	760
329	98	46	7.2	-3.3	765	760
330	98	42	7.8	-5.0	770	764
331	94	44	12.2	2.8	764	757
332	96	38	8.9	-3.3	772	762
333	98	36	8.9	-4.4	775	771
334	98	60	13.9	6.1	771	758
335	88	34	16.1	-3.9	766	756
336	90	34	6.7	-4.4	766	760

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
337	97	32	6.7	-6.1	768	760
338	96	38	5.6	-7.2	771	768
339	98	58	12.2	-3.9	770	766
340	98	40	16.7	-2.8	766	769
341	86	46	5.6	1.1	769	768
342	98	56	14.4	1.7	766	761
343	99	98	14.4	2.2	777	761
344	94	46	5.6	0.0	758	752
345	89	41	8.3	-4.4	767	758
346	98	60	6.7	-5.0	771	767
347	96	58	10.6	-0.6	774	771
348	98	50	7.2	-0.6	774	765
349	88	50	17.8	5.6	765	754
350	90	36	13.3	-3.3	765	759
351	98	50	8.3	-5.6	764	755
352	95	32	2.2	-7.8	765	754

Table 11. (Continued)

Day of 1975	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
353	70	24	2.2	-10.0	768	764
354	78	28	5.0	-5.6	768	761
355	90	56	1.1	-3.9	763	759
356	66	44	-0.6	-4.4	759	756
357	68	24	3.3	-4.4	766	760
358	78	42	-2.2	-8.9	771	766
359	98	56	0.0	-6.7	771	761
360	98	68	10.0	-0.6	761	749
361	94	62	3.3	-3.9	762	754
362	96	40	3.3	-5.6	769	762
363	89	54	3.3	-2.2	771	766

Figure 8

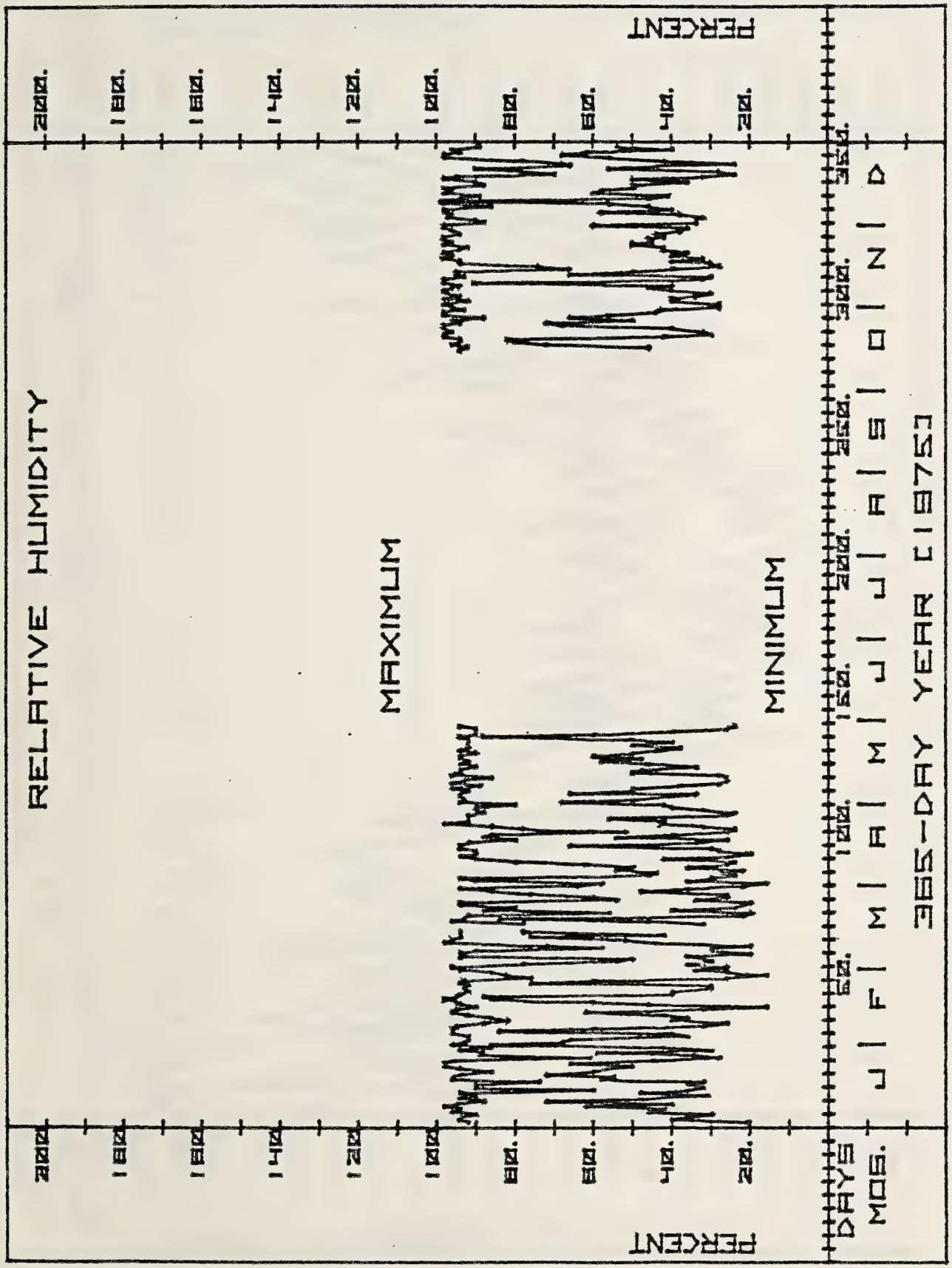

RELATIVE HUMIDITY
MAXIMUM
MINIMUM
PERCENT
PERCENT
DAYS
MOS.
J | F | M | A | M | J | J | A | S | O | N | D
365-DAY YEAR 1975

Figure 9

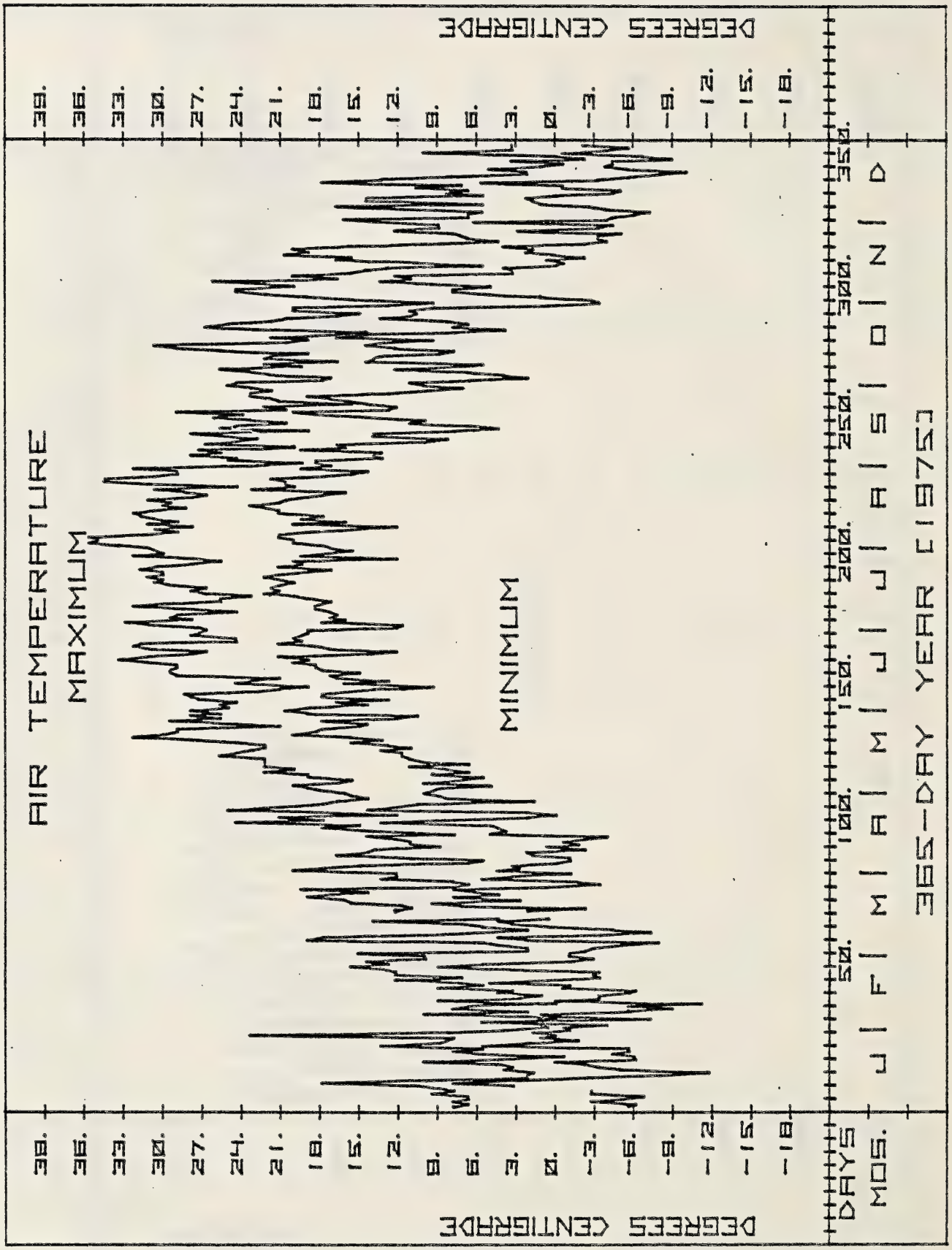

AIR TEMPERATURE
MAXIMUM
MINIMUM
365-DAY YEAR 1975
DEGREES CENTIGRADE
DEGREES CENTIGRADE
DAYS
MOS.
J | F | M | A | M | J | J | A | S | O | N | D
33.
30.
27.
24.
21.
18.
15.
12.
9.
6.
3.
0.
-3.
-6.
-9.
-12.
-15.
-18.
.000
.050
.100
.150
.200
.250
.300
.350

Figure 10

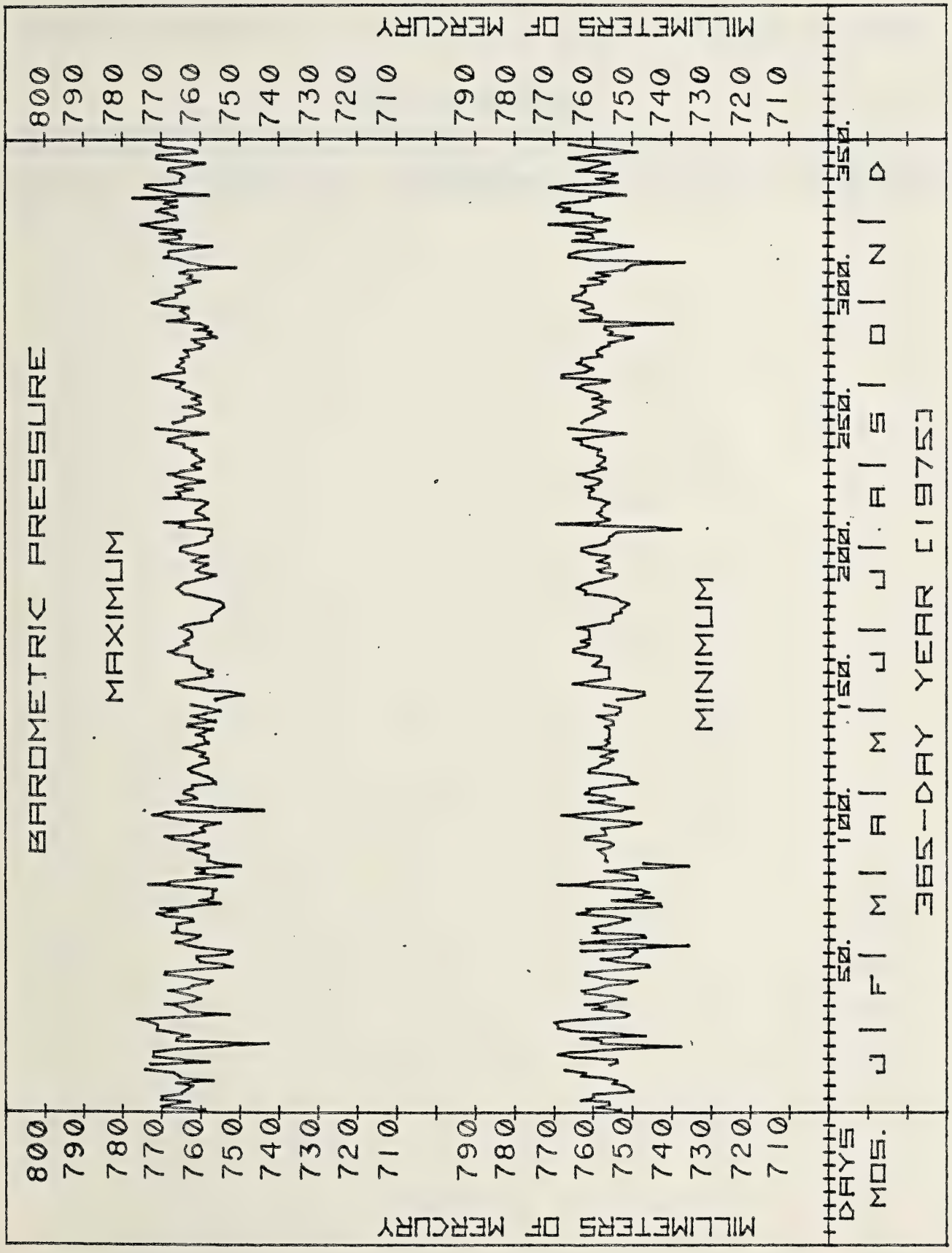

BAROMETRIC PRESSURE
MAXIMUM
MINIMUM
MILLIMETERS OF MERCURY
800
790
780
770
760
750
740
730
720
710
DAYS
MOS.
J F M A M J J A S O N D
365-DAY YEAR 01975
.000
.050
.100
.150
.200
.250
.300
.350

Table 12. Rainfall

Centimeters of Water

Day of 1975	Central	South West	South East	North West
1	0.89	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	1.65	-	-	-
7	-	-	-	-
8	1.24	-	-	-
9	0.08	-	-	-
10	-	-	-	-
11	0.10	-	-	-
12	0.08	-	-	-
13	2.21	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	1.37	-	-	-
19	0.94	-	-	-
20	1.30	-	-	-
21	-	-	-	-
22	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
23	-	-	-	-
24	0.08	-	-	-
25	0.46	-	-	-
26	-	-	-	-
27	-	-	-	-
28	-	-	-	-
29	-	-	-	-
30	0.05	-	-	-
31	0.58	-	-	-
32	0.15	-	-	-
33	0.20	0.33	0.13	-
34	-	-	-	-
35	1.52	0.25	0.15	-
36	0.76	-	1.70*	-
37	0.20	-	0.23	-
38	-	-	-	-
39	-	-	-	-
40	-	-	-	-
41	-	-	-	-
42	-	-	-	-
43	1.32	1.78	1.63	-
44	-	-	-	-

Table 12. (Continued)

Day of 1975	Centimeters of Water			
	Central	South West	South East	North West
45	-	-	-	-
46	-	-	-	-
47	0.08	-	-	0.08
48	0.38	0.43	-	0.13
49	-	0.10	-	0.23
50	-	-	-	Trace
51	-	-	-	-
52	-	-	-	-
53	-	-	-	-
54	1.02	0.86	-	1.37
55	0.74	0.74	2.34	0.46
56	-	-	-	-
57	-	-	-	-
58	-	-	-	-
59	-	-	0.33	-
60	-	-	-	-
61	-	-	-	-
62	-	-	-	-
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	0.13	-	-	0.10

Table 12. (Continued)

Day of 1975	Centimeters of Water			
	Central	South West	South East	North West
67	-	-	-	-
68	-	0.56	-	-
69	0.64	-	-	0.38
70	-	-	0.48	0.20
71	1.70	2.03	-	1.65
72	0.96	-	3.68	0.23
73	2.62	3.10	-	3.00
74	-	-	1.73	0.10
75	0.28	-	-	-
76	1.04	-	1.40	1.22
77	-	-	-	-
78	4.62	5.59	3.86	4.65
79	-	-	-	-
80	-	-	-	-
81	0.02	0.23	-	0.13
82	-	-	-	0.02
83	1.73	1.55	-	1.90
84	-	-	1.96	Trace
85	-	-	-	-
86	-	-	-	-
87	-	-	-	-
88	0.02	-	-	Trace

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
89	1.19	-	1.09	1.17
90	-	1.22		-
91	-	-		-
92	-	-		-
93	0.58	0.53		0.41
94	-	-		
95	-	-		-
96	-	-		-
97	-	-		-
98	-	-		-
99	-	-		-
100	-	-		-
101	-	-		-
102	-	-		-
103	0.08	-		-
104	-	-		-
105	2.03	2.11		2.08
106	-	-		-
107	-	-		-
108	0.05	-		0.05
109	0.13	0.48	3.22	0.08
110	-	-	-	-

Table 12. (Continued)

Day of 1975	Centimeters of Water			
	Central	South West	South East	North West
111	-	-	-	-
112	-	-	-	-
113	-	-	-	-
114	0.96	0.97	-	0.13
115	2.26	1.98	0.86	2.13
116	-	-	1.90	0.86
117	-	-	-	-
118	-	-	-	Trace
119	1.04	-	0.84	1.02
120	-	1.17	0.28	2.03
121	2.06	1.98	-	-
122	-	0.05	-	0.08
123	-	-	-	Trace
124	2.08	2.13	4.17	2.01
125	-	-	-	Trace
126	1.21	0.84	-	-
127	-	-	0.94	1.04
128	-	-	-	-
129	-	-	-	-
130	-	-	-	-
131	-	-	-	-
132	2.67	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
133	-	2.36	3.23	2.62
134	-	0.15	-	Trace
135	0.38	-	-	-
136	0.94	1.32	1.14	1.17
137	-	-	0.36	-
138	0.02	-	-	Trace
139	-	-	-	Trace
140	-	-	-	-
141	-	-	-	-
142	0.79	-	-	-
143	-	-	0.48	0.46
144	-	0.25	-	0.33
145	0.20	-	-	-
146	-	-	0.20	-
147	-	-	-	0.08
148	-	-	-	-
149	0.05	-	-	-
150	1.52	-	-	0.58
151	-	-	-	Trace
152	1.47	3.35	3.02	1.70
153	-	-	-	-
154	0.76	0.30	0.66	0.48

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
155	-	-	-	-
156	0.58	-	0.13	
157	0.05	0.64	0.79	0.76
158	-	-	-	
159	-	-	-	-
160	-	-	-	-
161	0.02	-	-	-
162	0.51	-	-	-
163	1.88	2.24	0.94	1.93
164	-	-	2.11	-
165	-	-	-	-
166	-	-	-	-
167	2.34	4.57	-	2.26
168	-	-	0.58	-
169	-	0.20	-	-
170	0.05	-	-	-
171	-	-	-	-
172	-	-	-	-
173	-	-	-	-
174	-	-	-	-
175	-	-	-	-
176	0.81	1.73	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
177	-	-	-	1.14
178	0.08	-	-	-
179	0.08	0.10	1.52	0.20
180	-	-	-	-
181	-	-	-	-
182	-	-	-	-
183	-	-	-	-
184	0.41	0.28	-	0.10
185	-	-	0.48	-
186	-	-	-	-
187	-	-	-	-
188	-	-	-	-
189	1.52	-	1.07	1.62
190	0.08	-	-	-
191	3.94	-	-	-
192	0.33	3.86	3.10	3.35
193	0.20	-		0.53
194	9.14	5.59	1.96	6.86
195	1.14	2.95	5.03	4.27
196	0.02	-	-	0.08
197	0.64	-	-	0.64
198	0.08	1.40	0.36	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
199	0.02	-	-	-
200	-	0.13	-	0.02
201	2.67	-	-	-
202	0.10	2.79	4.62	2.39
203	-	-	-	-
204	-	-	-	-
205	0.10	-	-	-
206	-	-	0.18	0.08
207	-	-	-	-
208	-	0.97	-	-
209	1.24	-	-	-
210	-	-	0.86	1.88
211	-	-	-	-
212	-	-	-	-
213	-	-	-	-
214	-	-	-	-
215	-	-	-	-
216	-	0.43	-	-
217	0.64	2.77	0.38	0.61
218	2.41	-	1.27	2.16
219	-	0.18	-	0.02
220	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
221	-	-	-	-
222	-	-	-	-
223	0.13	-	-	Trace
224	-	0.79	-	0.23
225	0.05	-	-	-
226	0.76	-	-	1.02
227	-	-	-	-
228	3.56	-	-	5.23
229	0.13	2.87	-	0.33
230	-	-	-	Trace
231	-	-	-	-
232	-	-	-	-
233	-	-	-	-
234	-	-	-	-
235	-	-	-	-
236	-	0.02	-	-
237	-	-	-	-
238	-	-	-	-
239	-	-	-	-
240	-	-	-	-
241	-	-	-	-
242	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
243	6.98	5.10	4.06	7.16
244	0.76	1.12	2.34	0.81
245	-	-	-	-
246	-	-	-	-
247	-	-	-	-
248	0.10	-	-	-
249	0.18	0.28	-	0.20
250	0.76	-	1.73	0.86
251	0.08	-	-	0.05
252	0.05	-	-	-
253	-	-	-	-
254	0.25	-	-	0.13
255	0.13	1.12	-	0.20
256	-	0.18	0.46	-
257	-	-	-	-
258	0.05	-	-	-
259	-	-	-	-
260	-	-	-	-
261	-	-	-	1.70
262	2.36	1.90	2.72	0.99
263	-	0.02	-	-
264	0.02	-	-	-

Table 12. (Continued)

Day of 1975	Centimeters of Water			
	Central	South West	South East	North West
265	1.27	5.13	-	-
266	5.74	2.69	5.99	5.38
267	1.65	2.39	2.44	2.84
268	4.50	3.10	0.15	3.28
269	3.89	-	1.65	2.59
270	0.05	-	1.90	0.05
271	-	-	-	-
272	-	-	-	-
273	-	-	-	-
274	0.02	-	-	-
275	-	-	-	-
276	-	-	-	-
277	-	-	-	-
278	-	-	-	-
279	0.02	-	-	-
280	-	-	-	-
281	0.76	-	-	-
282	2.84	-		3.43
283	0.23	1.42	3.94	0.38
284	0.10	-	-	0.08
285	-	-	-	-
286	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
287	-	-	-	-
288	-	-	-	-
289	-	0.51	-	-
290	3.63	-	0.64	
291	0.13	-	3.50	3.15
292	-	-	-	0.15
293	-	-	-	Trace
294	-	-	-	-
295	-	-	-	-
296	-	-	-	-
297	-	-	-	Trace
298	0.43	-	0.56	0.43
299	-	-	-	-
300	-	-	-	-
301	-	-	-	-
302	-	-	-	-
303	0.89	-	-	-
304	-	1.60	-	-
305	-	-	-	-
306	-	-	-	-
307	-	-	-	-
308	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
309	-	-	-	-
310	-	-	-	-
311	-	-	-	-
312	-	-	-	0.18
313	0.05	-	-	Trace
314	0.30	0.26	-	0.20
315	0.05	0.13	-	0.10
316	2.77	4.01	-	0.66
317	1.09	-	5.03	3.33
318	-	-	-	-
319	-	-	-	-
320	-	-	-	-
321	-	-	-	-
322	-	-	-	-
323	-	-	-	-
324	0.02	-	-	-
325	0.51	0.58	-	0.43
326	-	-	-	0.02
327	-	-	-	-
328	-	-	-	-
329	0.02	-	-	-
330	-	-	-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
331	0.05	-	-	-
332	-	-	0.69	0.10
333	-	-	-	-
334	-	-	-	-
335	0.56	-	0.38	0.33
336	0.08	-	-	-
337	-	-	-	-
338	-	-	-	-
339	-	-	-	-
340	0.38	-	-	0.02
341	-	1.30	0.43	0.38
342	0.18	-	-	0.25
343	0.81	1.27	-	0.66
344	0.02	-	0.89	0.20
345	-	-	-	-
346	-	-	-	-
347	0.28	0.36	0.30	0.28
348	-	-	-	-
349	-	0.20	-	Trace
350	0.18		0.25	0.13
351	-		-	-
352	-		-	-

Table 12. (Continued)

Centimeters of Water

Day of 1975	Central	South West	South East	North West
353	-		-	-
354	-		-	-
355	-		-	-
356	-		-	-
357	-		-	-
358	-		-	-
359	0.51		-	-
360	2.31		1.80	4.06
361	-		-	-
362	-		-	-
363	-		-	-
364	0.96		-	0.99
365	6.15	5.10	2.18	1.75

Figure 11

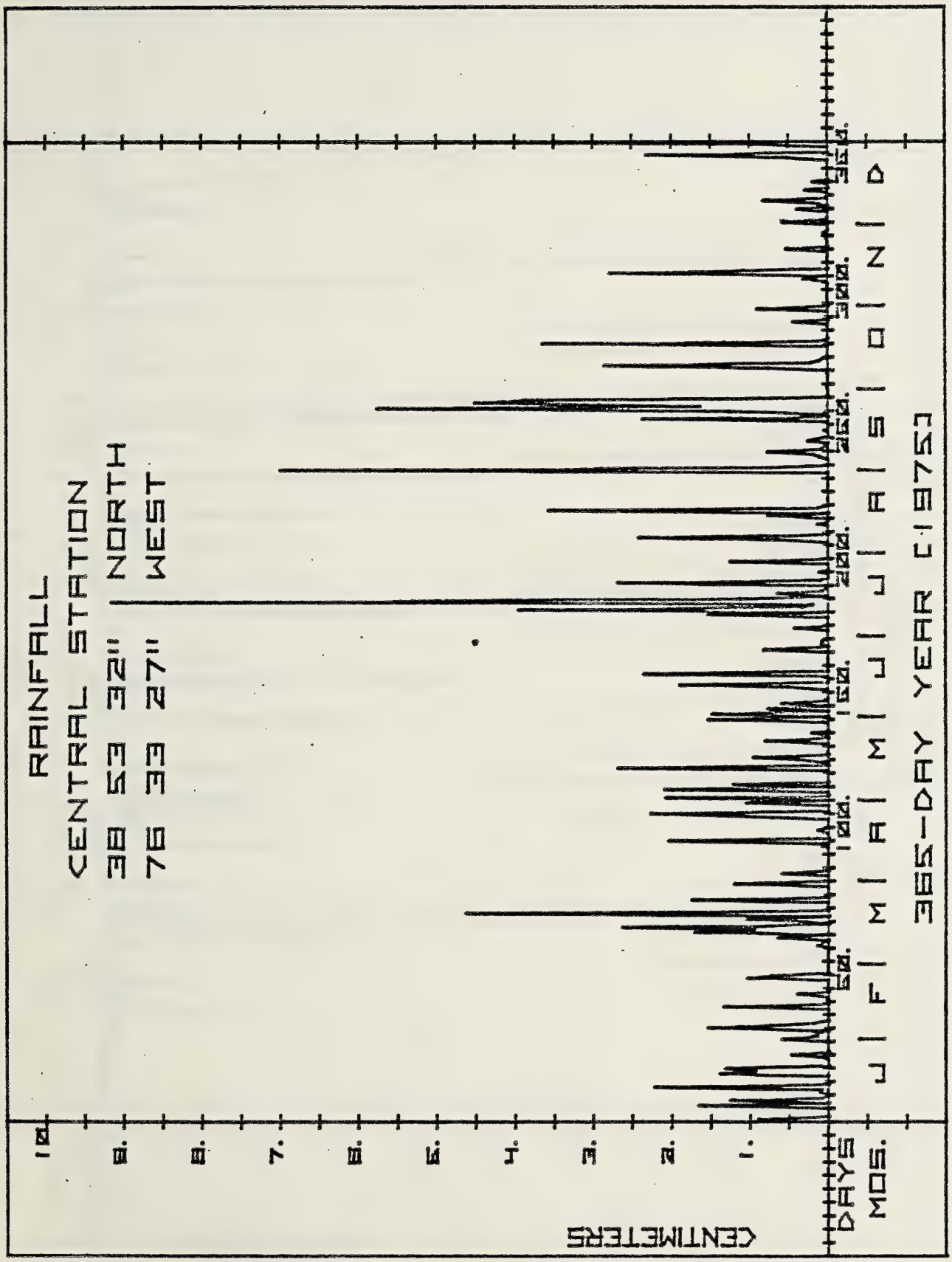

RAINFALL
CENTRAL STATION
38 53 32" NORTH
76 33 27" WEST
365-DAY YEAR 1975
J F M A M J J A S O N D
DAYS
MOS.
CENTIMETERS

Figure 11a.

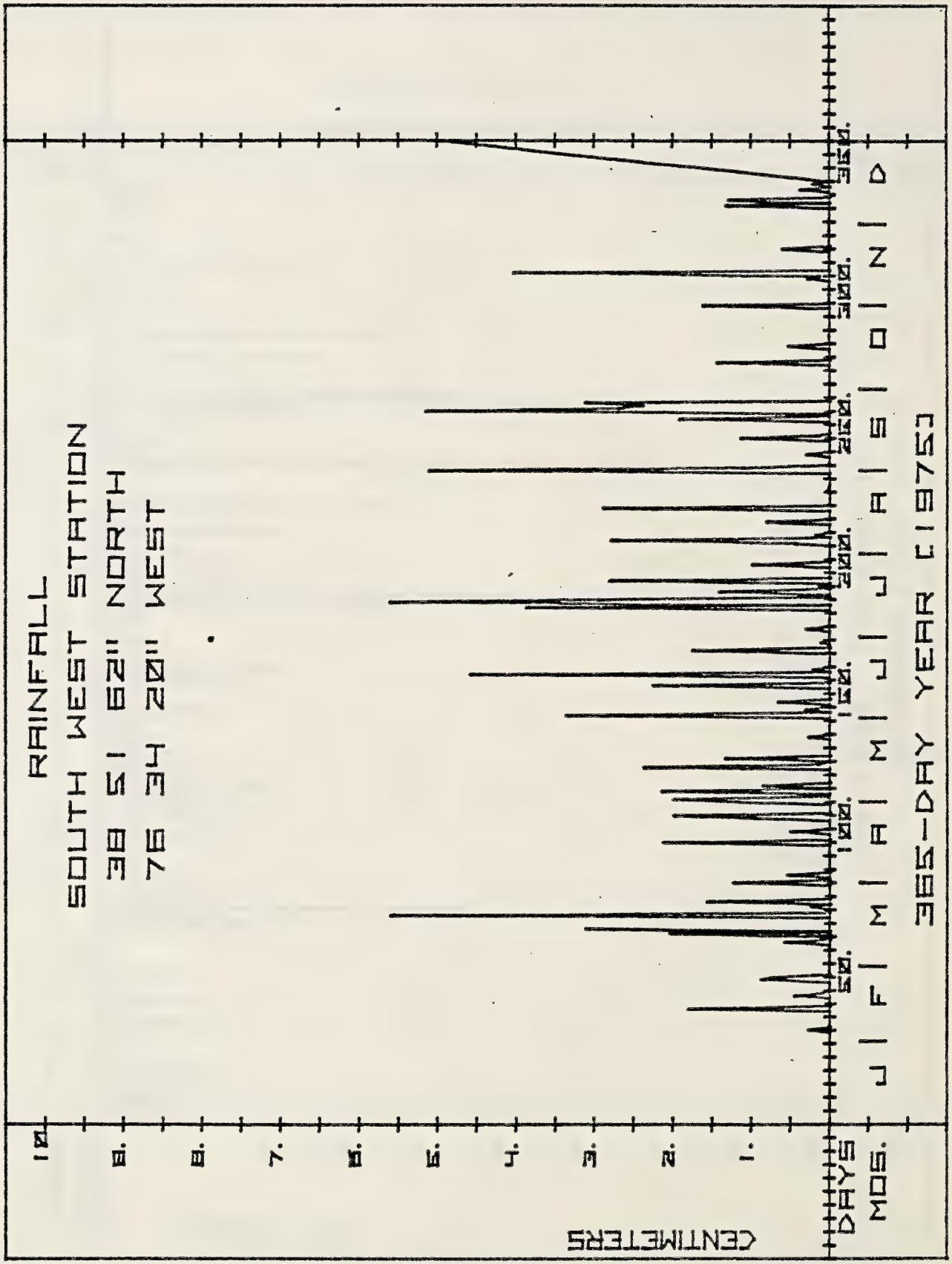

RAINFALL
SOUTH WEST STATION
38 51 52" NORTH
78 34 20" WEST
365-DAY YEAR 1975
CENTIMETERS
DAYS
MOS
J F M A M J J A S O N D

Figure 11b.

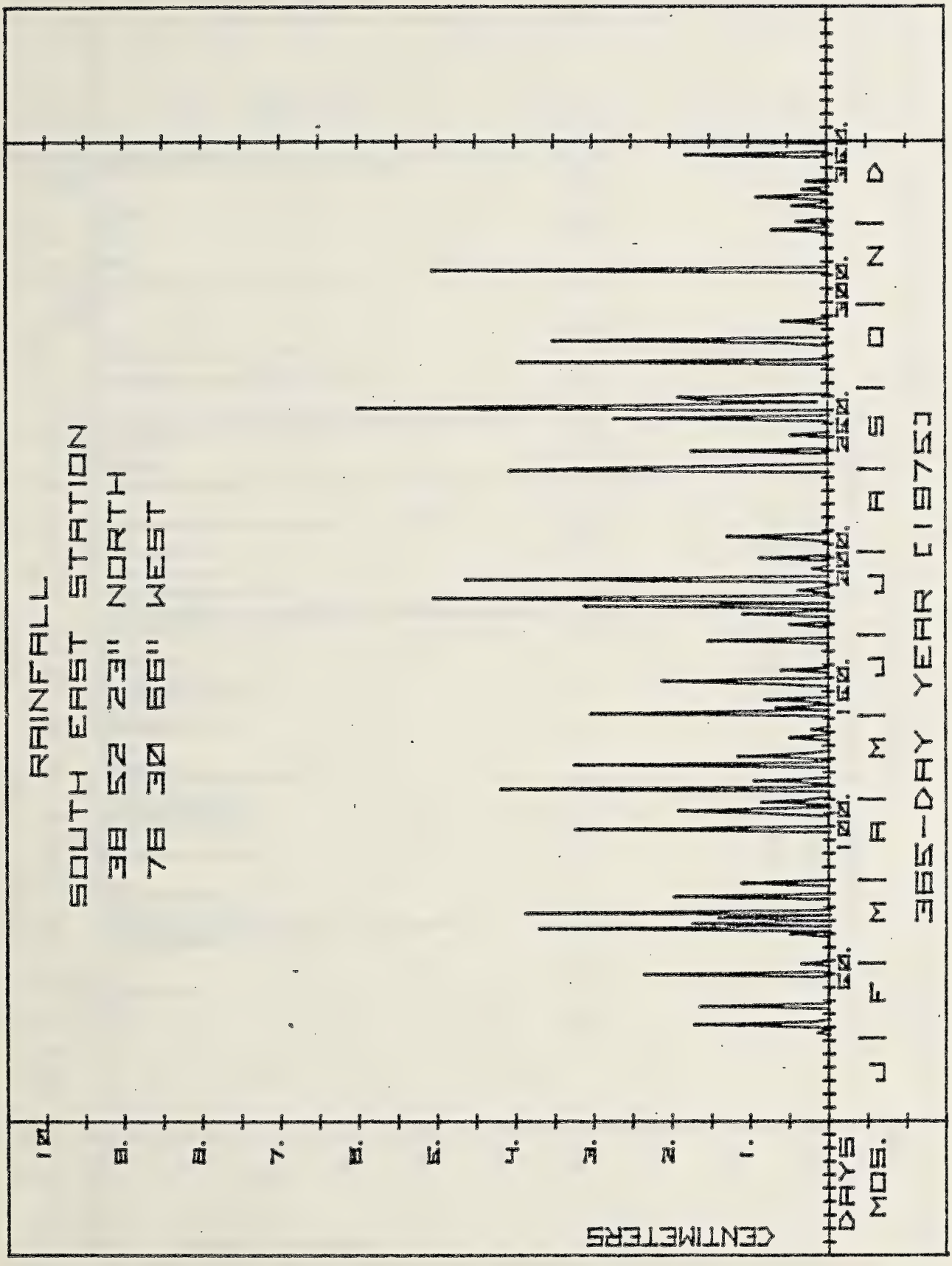

RAINFALL
SOUTH EAST STATION
33 52 23" NORTH
78 39 66" WEST
365-DAY YEAR 1975
J F M A M J J A S O N D
DAYS
MOS.
CENTIMETERS

Figure 11c.

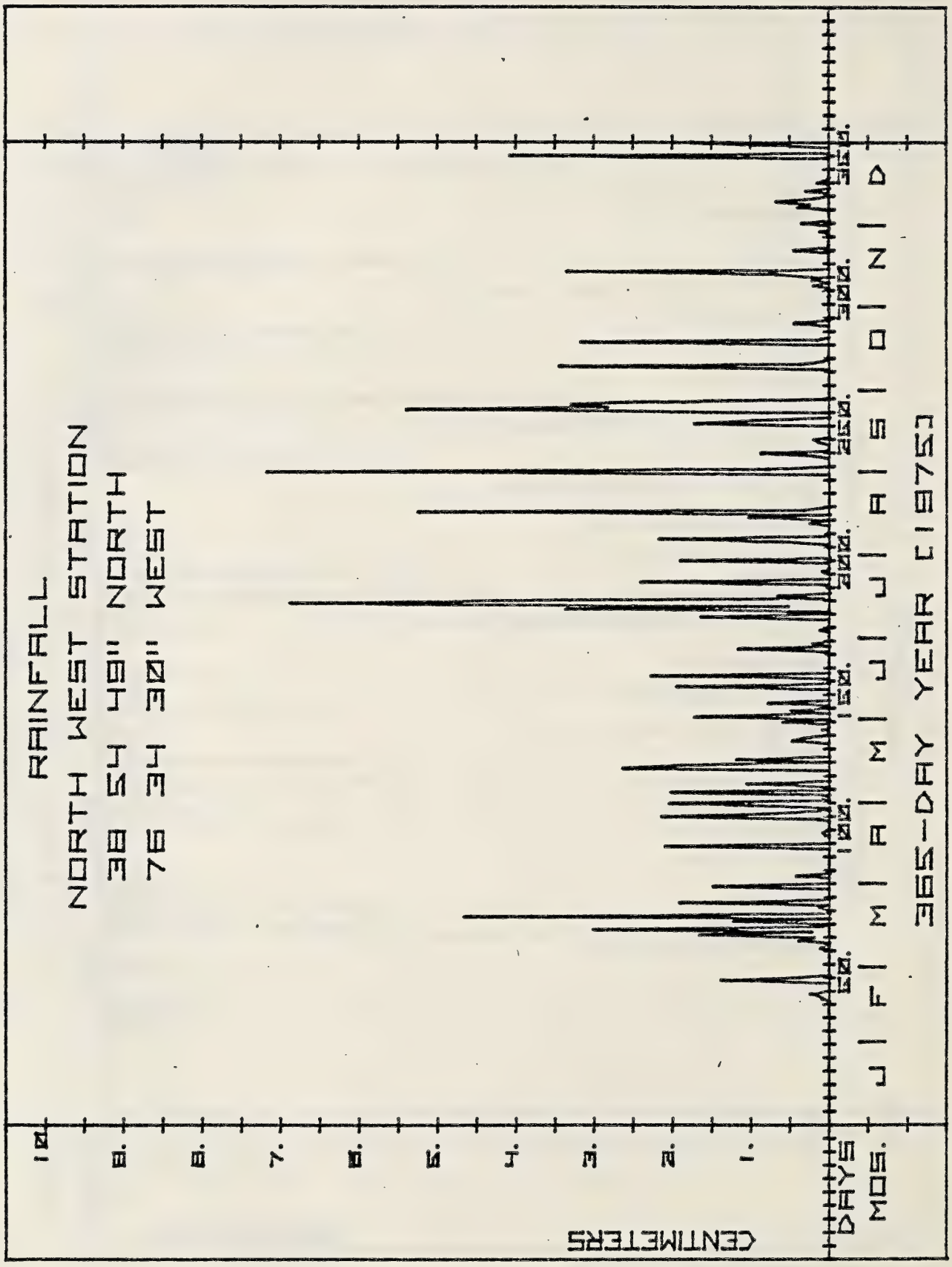

RAINFALL
NORTH WEST STATION
38 54 49" NORTH
76 34 30" WEST
365-DAY YEAR 81752
J F M A M J J A S O N D
DAYS
MOS.
CENTIMETERS

Table 13. Evaporation pan data

Day of 1975	Water temperature °C	Day of 1975	Water temperature °C
234	31.1	257	-
235	-	258	-
236	-	259	23.3
237	-	260	-
238	37.8	261	27.8
239	38.9	262	-
240	34.4	263	-
241	-	264	-
242	-	265	-
243	-	266	-
244	-	267	-
245	-	268	-
246	-	269	-
247	-	270	26.7
248	-	271	-
249	32.2	272	-
250	-	273	25.6
251	-	274	26.7
252	28.9		
253	-		
254	25.6		
255	-		
256	-		

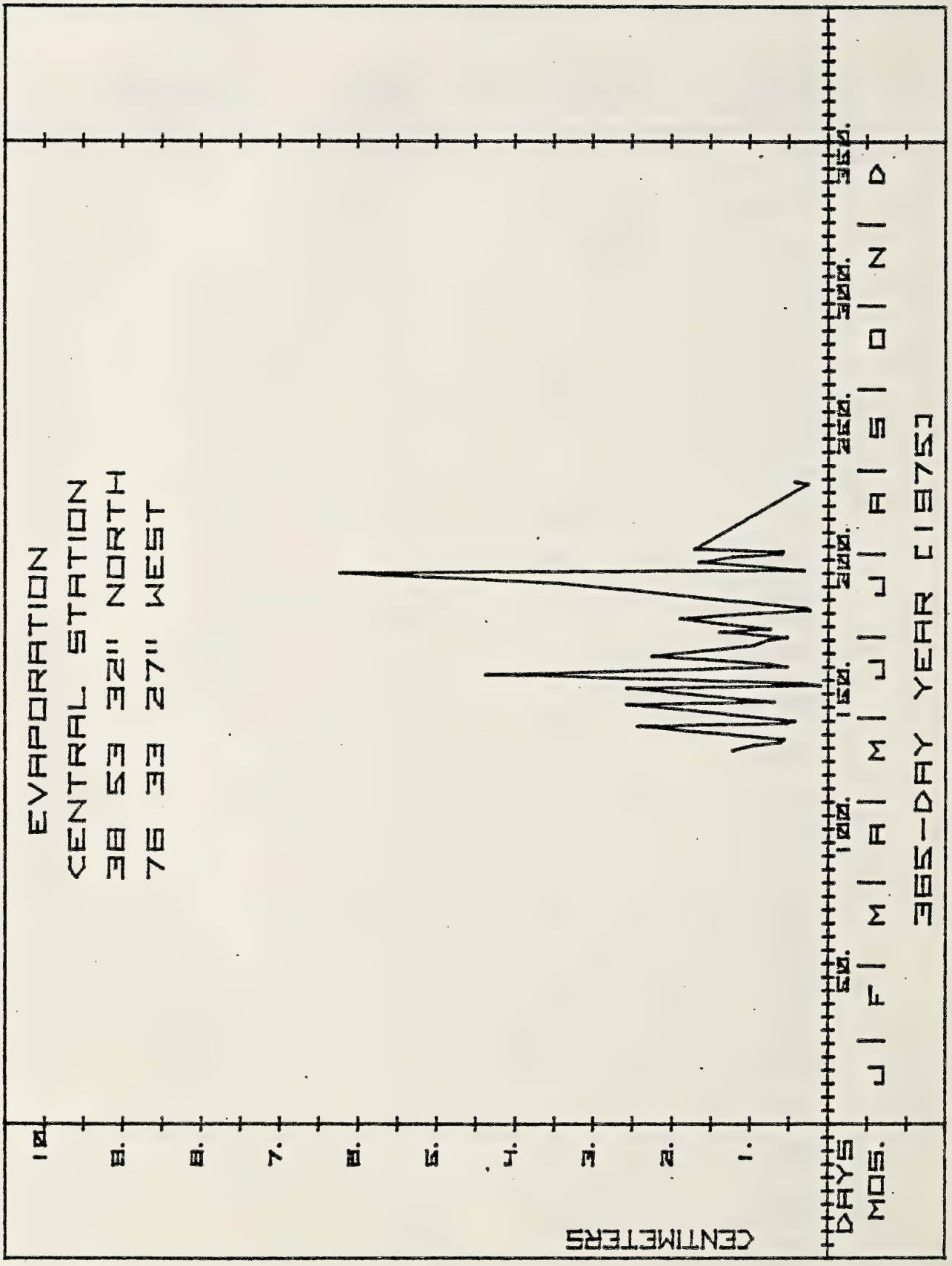
Table 13. (Continued)

Day of 1975	Evaporation Cm	Day of 1975	Evaporation Cm	Day of 1975	Evaporation Cm
139	1.22	163	0.11	187	-
140	-	164	0.34	188	1.88
141	0.94	165	-	189	0.91
142	0.62	166	-	190	
143	0.57	167	4.36	191	0.25
144	-	168	-	192	0.28
145	-	169	-	193	-
146	-	170	0.54	194	-
147	-	171	0.76	195	-
148	2.42	172	-	196	-
149	0.55	173	-	197	-
150	0.44	174	2.24	198	-
151	-	175	-	199	3.40
152	-	176	-	200	
153	-	177	-	201	
154	-	178	0.96	202	
155	-	179	-	203	
156	2.56	180	0.77	204	
157	0.70	181	0.54	205	6.22
158	-	182	-	206	0.33
159	-	183	1.38	207	-
160	-	184	0.75	208	1.64
161	-	185	-	209	
162	2.56	186	-	210	-

Table 13. (Continued)

Day of 1975	Evaporation Cm	Day of 1975	Evaporation Cm
211	1.24	235	-
212	0.61	236	-
213	0.58	237	-
214	1.70	238	0.28
215		239	0.42
216	-		
217	-		
218	-		
219	-		
220	-		
221	-		
222	-		
223	-		
224	-		
225	-		
226	-		
227	-		
228	-		
229	-		
230	-		
231	-		
232	-		
233	-		
234	-		

Figure 12.


EVAPORATION
CENTRAL STATION
38 53 32" NORTH
78 33 27" WEST
365-DAY YEAR 81752
J F M A M J J A S O N D
DAYS
MOS.
CENTIMETERS