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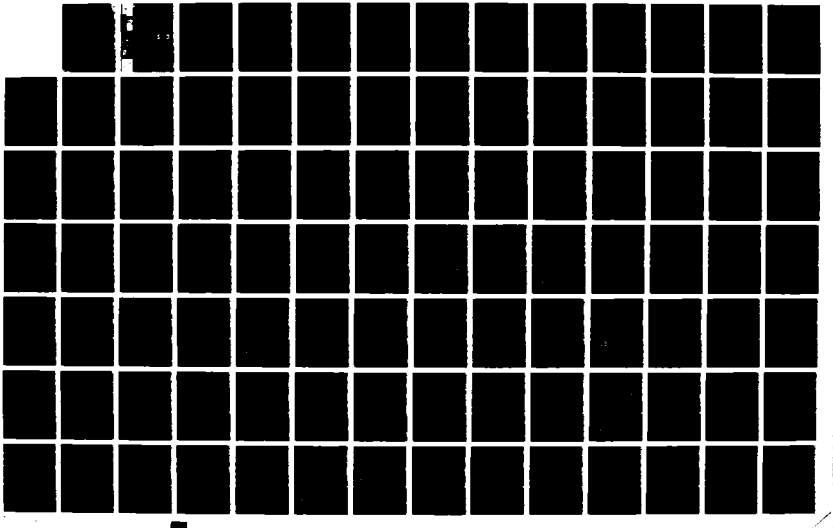

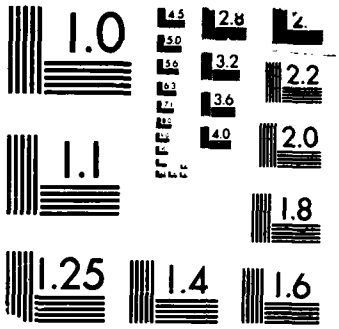

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LOCK HYDRAULIC SYSTEM MODEL AND PROTOTYPE STUDY DATA

Corps of Engineers Projects 1937-1984

by

Ellis B. Pickett, Frank M. Neilson

Hydraulics Laboratory

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
PO Box 631, Vicksburg, Mississippi 39180-0631

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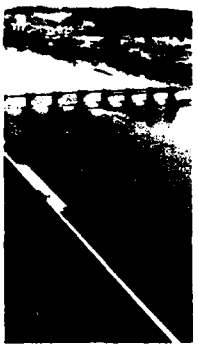

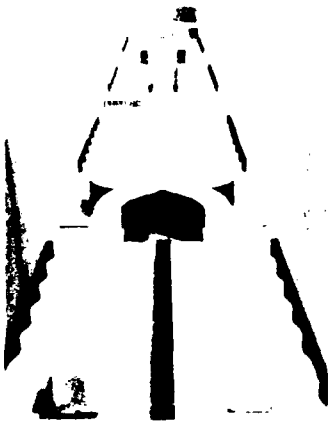

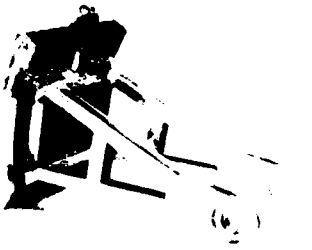

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This report describes a data base which contains descriptions of navigation lock studies conducted by the Corps of Engineers during 1937-1984. The data base identifies measured quantities, lock features, and a complete bibliography of reports. Data base maintenance and management are automated by means of computer software.

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Preface

The model and prototype study data listings provided herein were prepared for use with a newly revised issue of EM 1110-2-1604, "Hydraulic Design of Navigation Locks." The text, Table 1, and References (Bibliography) will be included in the appendices of that manual. The effort was funded by the Headquarters, US Army Corps of Engineers, Publications Program during June - September 1984.

The work was accomplished under the general supervision of Messrs. H. B. Simmons and F. A. Herrmann, Jr., former and present Chiefs of the Hydraulics Laboratory (HL), US Army Engineer Waterways Experiment Station (WES); B. J. Brown, Chief of the Design Criteria Branch, Hydraulic Analysis Division, HL; and M. B. Boyd, Chief of the Hydraulic Analysis Division.

Review of the reports was accomplished by Mr. E. B. Pickett, under Purchase Order No. DACW39-84-M-3000 dated 13 June 1984. Coordination of the work with respect to its use in the manual was done by Dr. F. M. Neilson, Research Engineer, Design Criteria Branch. The computer program for sorting and listing the data was prepared by Mr. M. T. Hebler and the computer terminal work was done by Mrs. B. W. Gaskin, both of the Design Criteria Branch. This report was edited by Mrs. Beth F. Burris, Information Products Division, Information Technology Laboratory.

COL Dwayne G. Lee, CE, is the Commander and Director of WES.
Dr. Robert W. Whalin is Technical Director.

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Table 1 - Matrix

Table 2 - Lock Hydraulic System Detailed Test Data Listings

Table 3 - Geometric Details Studied

LOCK HYDRAULIC SYSTEM MODEL AND PROTOTYPE STUDY DATA

Corps of Engineers Projects 1937-1984

Introduction

1. The availability of data from Corps of Engineers (CE) hydraulic model and prototype investigations of navigation lock filling/emptying systems is summarized in Table 1. This information was obtained from a detailed review of 81 reports on model and prototype studies (1937 to 1984) by the St. Paul District (STP), Bonneville Hydraulic Laboratory (BHL), and US Army Engineer Waterways Experiment Station (WES). Those reports are listed in the references. The organization and use of Table 1 are described in the following paragraphs.

Design and Operational Variables

2. A list of 251 hydraulic design and operational variables or significant features of navigation locks was derived from a review of such items in several kinds of filling/emptying systems used in CE locks. This list is organized in an upstream-to-downstream order and has a numbering sequence for easier manipulation in a digital computer. The major divisions of the list include:

11000 INTAKE SYSTEMS
12000 FILLING VALVE SYSTEM
13000 CULVERT-CHAMBER MANIFOLD
14000 LOCK CHAMBER
15000 EMPTYING VALVE SYSTEM
16000 OUTLET SYSTEM

A listing of operational variables is included with each major division in Table 1 rather than in a separate division in order to group more closely the aspects of the lock operation with their related design features. The 22 "NOTED ITEMS" lines include special items peculiar to the specific projects and are identified in the notes at the end of Table 1.

Test Reports

3. Each column heading in Table 1 includes a very brief identification

of the project and a brief notation of the report number (full title is given in the References). The reports are listed in chronological order by report date. The St. Paul District Report No. 46 contains six separate studies and is listed in six separate columns in Table 1. This gives an apparent total of 86 reports. All the reports are available on loan from the WES Technical Library.

Types of Data in Reports

4. The types of lock performance data available in each report and pertaining specifically or generally to the various design and operational features investigated are indicated by the following letter symbols in Table 1:

T - time, curves, and/or tabulation of lock chamber filling and/or emptying, or actual valve motion in a few tests

O - overfill or overempty in lock chamber

Q - culvert system discharge, or lock chamber rate-of-rise or rate-of-fall

H - hawser force on tow in lock chamber, or in approach in a few tests

D - tow displacement, unrestrained by hawsers

V - local velocities in ports, approach channel, etc.

C - surface currents, including vortices at intakes

B - boils, or surface turbulence

W - waves, or water-surface profiles in a few tests

S - surges or oscillations

I - internal flow pattern or flow distribution

Z - local average piezometric pressures

P - local transient or fluctuating pressures

L - pressure losses or differences

F - mechanical forces or torque

A - vibration

X - other data, usually air vent discharge; see last line of "NOTED ITEMS" at end of Table 1

Comments

5. The following comments result from observations during the

compilation of Table 1 and may be of interest and/or assistance to users searching for available test data pertinent to their design problems.

a. Consideration of both the design and operational variables of the feature under investigation, both more general and more specific identification of the variables, and related items or systems may aid in finding data in Table 1 that might otherwise be missed.

b. The listing of operational variables by divisions in Table 1 and the compilation process may have resulted in some inappropriate entries of types of data relative to the design variables. This would most likely occur where a report table or illustration includes several kinds of design and operational variables.

c. Culvert roof pressures just downstream from a valve were considered pertinent to, and listed under, 12230 (15230) FILLING (EMPTYING) VALVE SYSTEM, FLOW PASSAGE, ROOF EL, although a different variable may have been the primary consideration.

d. Surface currents at the intakes are listed under 11150 INTAKE SYSTEM, APPROACH, VORTEX CONTROL, although the vortex control may have been by valve operation or other feature rather than modification of the intake system.

e. Variable 14000 LOCK CHAMBER was given data references for nearly every citation involving lock chamber filling and emptying times and/or rates, hawser forces, surges, etc. Although there may not have been any design variations within the chamber, it is a location of primary interest for most aspects of lock operation.

Detailed Test Data Listings

6. The data locations within each report are listed in Table 2. The LINE NO.'s correspond to those 251 numbers assigned to the design and operation variables. The TYPE OF DATA symbols correspond to those given in paragraph 4. The following FORMAT symbols are used:

T - numbered table

P - numbered photograph

D - numbered drawings (plates)

F - numbered figures (covers all illustrations in St. Paul District reports)

W - text paragraph (or page if unnumbered paragraphs) containing information not indicated by the tables, photographs, drawings, or figures

The LOCATION IN REPORT numbers and letters are those of the pertinent tables, photographs, drawings, figures, and/or paragraphs in that particular report.

7. In addition to the indicated tables, photographs, drawings, and/or figures having data pertinent to a specific design and/or operational variable, the user should refer to those parts of the text where these data items are discussed. The comment in subparagraph 5b also applies to the detailed data listings. Also, variations in design and/or operational variables from table to table, photograph to photograph, etc., rather than in individual tables, photographs, etc., are covered by listings of all the related data item location numbers. The user should compare variables from item to item as well as in a single item.

8. A total of 24,635 location citations was derived from a total of 2,816 single- or combined-item references (tables, photographs, drawings, figures, text) in the 86 reports (81 publications).

Project Data Listings

9. Listings of available dimensional and other descriptive data pertinent to the project designs investigated in the model tests are given in Table 3. Entries of "XXXXX" indicate subheadings; entries of "X" indicate confirmed nonapplicable items; and blanks indicate unavailable information. A definition list for the abbreviations is included in the introduction to Table 3.

References

Number	Laboratory Code and Report Number	Date	Description
01	STP No. 19	Apr 1937	"Laboratory Tests on Hydraulic Model of Pickwick Lock Hydraulic System, Tennessee River, Pickwick Landing, Tennessee."
02	STP No. 21	Jul 1937	"Laboratory Tests on Hydraulic Model of Guntersville Lock Hydraulic System, Tennessee River, Guntersville, Alabama."
03	STP No. 27	Dec 1937	"Laboratory Tests on Hydraulic Model of Filling and Emptying System for Proposed Watts Bar Project Lock, Tennessee River, near Dayton, Tennessee."
04	STP No. 28	Dec 1937	"Hydraulic Model Tests of the Filling and Emptying System for the Chickamauga Project Lock, Tennessee River."
05	STP No. 34	Jul 1939	"Laboratory Tests on Hydraulic Model of Filling and Emptying System of the General Joe Wheeler Lock, Tennessee River, near Florence, Alabama."
06	STP No. 44	Nov 1940	"Laboratory Tests on Hydraulic Model to Determine Navigation Conditions in Approaches to St. Anthony Falls Locks, Mississippi River, Minneapolis, Minnesota."
07	BHL TR No. 8-1	Jun 1941	"Model Study of the Willamette Falls Locks, Oregon City, Oregon."
08-13	STP No. 46	Oct 1941	"Prototype Lock Hydraulic Tests to Verify Model Experiments." (This volume contains reports on studies of six separate lock systems.)
14	STP No. 48	Feb 1944	"Laboratory Tests on Hydraulic Model of Filling and Emptying System for the MacArthur Lock, St. Marys River, Sault Ste. Marie, Michigan."
15	STP No. 49	Feb 1944	"Laboratory Tests on Hydraulic Models of Filling and Emptying Systems for the New Lock No. 2, Mississippi River, Hastings, Minnesota."
16	STP No. 51	Aug 1945	"Laboratory Test on Hydraulic Models of a Submergible Tainter Lock Gate for St. Anthony Falls Lower Lock, Mississippi River, Minneapolis, Minnesota."

Number	Laboratory Code and Report Number	Date	Description
17	STP No. 52	Jun 1946	"Laboratory Tests on Models of Lock Hydraulic Systems."
18	WES TM 2-282	Jun 1949	"Vacuum Tank Tests of Model Tainter Valve for McNary Dam."
19	WES TM 2-309	Apr 1951	"Filling Characteristics, Algiers Lock, Intracoastal Waterway, Gulf Section, Louisiana; Model Investigation."
20	WES TM 2-313	Jun 1950	"Study of Butterfly Valves for Pearl River Locks; Model Investigation."
21	STP No. 56	Aug 1952	"Laboratory Tests on Hydraulic Models of Filling and Emptying Systems for the New Cumberland Locks, Ohio River."
22	WES TM 2-358	Apr 1963	"Upstream Emergency Dam, Cheatham Lock, Cumberland River, Tennessee; Hydraulic Model Investigation."
23	STP No. 59	Jan 1955	"Laboratory Tests on Hydraulic Models of Filling and Emptying Systems for Auxiliary Locks, Mississippi River."
24	BHL TR No. 26-1	May 1955	"Navigation Lock for McNary Dam, Columbia River, Oregon and Washington; Hydraulic Model Investigation."
25	WES MP 2-146	Nov 1955	"Prototype Tests of Filling and Emptying Systems, McNary Dam Lock, Washington, October 1955."
26	STP No. 565	Mar 1957	"Laboratory Tests on Hydraulic Model to Determine Hawser Pull on Short Tows near Cumberland Main Lock, Ohio River, Suppl. Report," by D. L. Preston and J. J. Hartigan.
27	WES TR 2-497	Apr 1959	"Filling and Emptying Characteristics of Calumet-SAG Project, Illinois; Hydraulic Model Investigation," by J. H. Ables.
28	WES TR 2-500	May 1959	"Filling and Emptying System, Port Allen Navigation Lock, Gulf Intracoastal Waterway, Louisiana; Hydraulic Model Investigation," by J. H. Ables.
29	WES TR 2-519	Aug 1959	"Walter F. George Lock and Dam, Chattahoochee River, Alabama and Georgia; Hydraulic Model Investigation," by E. S. Melsheimer.
30	WES TR 2-527	Oct 1959	"Emergency Gate, Greenup Locks, Ohio River, Kentucky; Hydraulic Model Investigation," by E. S. Melsheimer.

Number	Laboratory Code and Report Number	Date	Description
31	STP No. 64	Oct 1959	"Laboratory Tests on Hydraulic Models of Filling and Emptying Systems for Chain of Rocks Locks, Mississippi River."
32	STP No. 68	Mar 1960	"Laboratory Tests on Hydraulic Models of the Filling and Emptying Systems for Jackson Lock, Tombigbee River, Alabama."
33	STP No. 69	May 1960	"Lower Lock and Dam Tainter Gates, St. Anthony Falls Upper Harbor Project, Mississippi River, Minneapolis, Minnesota; Hydraulic Model Investigation."
34	WES TR 2-549	Jun 1960	"Filling and Emptying System, Old River Navigation Lock, Louisiana; Hydraulic Model Investigation," by J. H. Ables and F. R. Brown.
35	WES TR 2-552	Jun 1960	"Hydraulic Prototype Tests of Tainter Valve, McNary Lock, Columbia River, Washington," by E. B. Pickett.
36	WES TR 2-556	Aug 1960	"Filling and Emptying Characteristics of Barge Canal Lock, Sacramento River Deep-Water Ship Channel Project, California; Hydraulic Model Investigation," by J. H. Ables and T. E. Murphy.
37	WES TR 2-561	Apr 1961	"Filling and Emptying System, New Poe Lock, St. Marys River, Sault Ste. Marie, Michigan; Hydraulic Model Investigation," by J. H. Ables and T. Schmidtgall.
38	STP No. 70	Apr 1961	"Intake Manifolds for Demopolis and Warrior Locks, Tombigbee River, Alabama and Jim Woodruff Lock, Apalachicola River, Florida; Hydraulic Model Investigation," by F. T. Mertes and M. E. Nelson.
39	WES TR 2-537	Jun 1961	"Culvert Tainter Valves, New Lock No. 19, Mississippi River; Hydraulic Model Investigation."
40	STP No. 71	Jun 1961	"Filling and Emptying Systems for Dwight D. Eisenhower and Bertrand H. Snell Locks, St. Lawrence Seaway Project; Hydraulic Model Investigation," by S. Fidelman.
41	WES TR 2-573	Jul 1961	"Intake Studies, Dardanelle Lock, Arkansas River, Arkansas; Hydraulic Model Investigation," by J. H. Ables.

Number	Laboratory Code and Report Number	Date	Description
42	STP No. 73	Sep 1961	"Filling and Emptying Systems for Walter F. George Lock, Chattahoochee River, Alabama-Georgia; Hydraulic Model Investigation," by S. Fidelman and M. E. Nelson.
43	STP No. 74	Jan 1962	"Filling and Emptying Systems for Greenup and Markland Locks, Ohio River; Hydraulic Model Investigation," by J. J. Hartigan and F. J. Ryder.
44	STP No. 65	Jun 1962	"Laboratory Tests on Hydraulic Models of Filling and Emptying Systems for a Proposed 600-Ft Lock and Dam No. 19, Mississippi River, Keokuk, Iowa; Hydraulic Model Investigation."
45	BHL TR No. 111-1		"Miter Gate Bottom Seals, Panama Canal Locks; Laboratory Investigation."
46	STP No. 66	Jun 1963	"Filling and Emptying Systems for New 1200-Ft Lock No. 19, Mississippi River, Keokuk, Iowa; Hydraulic Model Investigation," by D. L. Preston and J. J. Hartigan.
47	STP No. 75	Jun 1963	"Filling and Emptying Systems for Barkley Lock, Cumberland River, Kentucky; Hydraulic Model Investigation," by S. Fidelman.
48	WES MP 2-622	Feb 1964	"Emergency Gate Performance, McAlpine Lock, Ohio River, Kentucky; Hydraulic Prototype Tests."
49	WES TR 2-651	Jun 1964	"Operating Forces on Miter-Type Lock Gates," by J. L. Grace, T. E. Murphy, and F. R. Brown.
50	STP No. 76	Dec 1964	"Filling and Emptying Systems for St. Anthony Falls Locks, Mississippi River, Minnesota; Hydraulic Model Investigation," by S. Fidelman and J. J. Hartigan.
51	WES TR 2-678	Jun 1965	"Filling and Emptying System, Jonesville Lock, Ouachita-Black Rivers, Louisiana; Hydraulic Model Investigation," by N. R. Oswalt, J. H. Ables, M. B. Boyd, and T. E. Murphy.
52	BHL TR No. 56-1	May 1965	"Navigation Lock, The Dalles Dam, Columbia River, Oregon and Washington; Hydraulic Model Investigation," by M. J. Webster and H. P. Theus.

Number	Laboratory Code and Report Number	Date	Description
53	WES TR 2-685	Aug 1965	"Prototype Hawser-Force Measurements, Jackson Lock, Tombigbee River, Alabama," by J. V. Dawsey, C. J. Huval, and W. C. Blanton.
54	WES TR 2-689	Aug 1965	"Tests of Structure Orientation, Spillway, and Lock Emergency Gate, Barkley Lock and Dam, Cumberland River, Kentucky; Hydraulic Model Investigation," by T. E. Murphy and R. S. Cummins.
55	WES TR 2-698	Nov 1965	"Lock Filling and Emptying System, Holt Lock and Dam, Warrior River, Alabama; Hydraulic Model Investigation," by T. E. Murphy and J. H. Ables.
56	WES MP 2-794	Feb 1966	"Lock Culvert Outlet Basins; Hydraulic Model Investigation," by J. H. Ables and M. B. Boyd.
57	WES TR 2-713	Feb 1966	"Filling and Emptying System, Cannelton Main Lock, Ohio River, and Generalized Tests of Sidewall Port Systems for 110- by 1200-Ft Locks; Hydraulic Model Investigation," by J. H. Ables and M. B. Boyd.
58	WES TR 2-718	Mar 1966	"Filling and Emptying Systems, Millers Ferry and Jones Bluff Locks, Alabama River, Alabama; Hydraulic Model Investigation," by J. H. Ables and M. B. Boyd.
59	WES TR 2-734	Jul 1966	"Culvert Pressures, Greenup Lock, Ohio River, Kentucky; Hydraulic Prototype Tests," by P. M. Smith and R. A. Yates.
60	WES TR 2-739	Sep 1966	"Filling and Emptying System, Cordell Hull Navigation Lock, Cumberland River, Tennessee; Hydraulic Model Investigation," by N. R. Oswalt and M. B. Boyd.
61	WES TR 2-743	Nov 1966	"Filling and Emptying Systems, Low-Lift Locks, Arkansas River Project; Hydraulic Model Investigation," by J. H. Ables and M. B. Boyd.
62	WES TR 2-778	May 1967	"Modernization of Filling and Emptying System, Existing McAlpine Lock (Old No. 41), Ohio River, Louisville, Kentucky; Hydraulic Model Investigation," by J. H. Ables and T. E. Murphy.

Number	Laboratory Code and Report Number	Date	Description
63	WES TR H-68-4	Sep 1968	"Effect of Valve Position in a Sidewall Port Filling System, Newburgh Lock, Ohio River; Hydraulic Model Investigation," by J. O. Farrell and J. H. Ables.
64	WES TR H-69-5	Apr 1969	"Filling and Emptying System, Dardanelle Lock, Arkansas River; Hydraulic Model Investigation," by J. H. Ables and M. B. Boyd.
65	WES TR H-70-2	Mar 1970	"Operating Forces on Sector Gates Under Reverse Heads; Hydraulic Model Investigation," by N. R. Oswalt.
		Dec 1971	"Appendix A: Results of Supplemental Tests; Hydraulic Model Investigation," by N. R. Oswalt and T. E. Murphy.
66	WES MP H-71-4	Feb 1971	"Calcasieu Saltwater Barrier Prototype Sector Gate Tests," by D. F. Bastian.
67	WES TR H-72-6	Sep 1972	"Navigation Conditions and Filling and Emptying System, New Bankhead Lock, Black Warrior River, Alabama; Hydraulic Model Investigation," by N. R. Oswalt, J. H. Ables, and T. E. Murphy.
68	BHL TR No. 32-1	May 1973	"Filling and Emptying System, Ice Harbor Lock, Snake River, Washington; Hydraulic Model Investigation," by L. Z. Perkins.
69	BHL TR No. 98-1	Jul 1974	"Filling and Emptying System, John Day Lock, Columbia River, Oregon and Washington; Hydraulic Model Investigation," by A. J. Chanda and L. Z. Perkins.
70	BHL TR No. 105-1	May 1975	"Intake Manifolds and Emptying Valves for Lower Monumental Lock, Snake River, Washington," by A. J. Chanda and L. Z. Perkins.
71	WES TR H-75-11	Jun 1975	"Barkley Lock Prototype Tests, Cumberland River, Kentucky," by F. M. Neilson.
72	WES HP H-75-7	Jul 1975	"Lock Design, Sidewall Port Filling and Emptying System," by T. E. Murphy.
73	BHL TR No. 115-1	Sep 1975	"Filling and Emptying System, Little Goose Lock, Snake River, Washington; Hydraulic Model Investigation," by A. J. Chanda and L. Z. Perkins.
74	WES TR H-77-7	Apr 1977	"Filling and Emptying System for Medium-Lift Locks, Trinity River, Texas; Hydraulic Model Investigation," by N. R. Oswalt.

Number	Laboratory Code and Report Number	Date	Description
75	WES TR H-78-9	Jun 1978	"Bay Springs Canal Surge Study, Tennessee-Tombigbee Waterway, Mississippi and Alabama; Hydraulic Model Investigation," by C. H. Tate, Jr.
76	WES MP H-78-10	Sep 1978	"Single-Valve Prototype Tests, Main Lock, Locks and Dam 26, Mississippi River, Alton, Illinois," by E. D. Hart.
77	WES TR H-78-16	Sep 1978	"Filling and Emptying System, New Ship Lock, Mississippi River-Gulf Outlet, Louisiana; Hydraulic Model Investigation," by J. H. Ables, Jr.
78	WES TR H-78-19	Nov 1978	"Filling and Emptying System for Bay Springs Lock, Tennessee-Tombigbee Waterway, Mississippi; Hydraulic Model Investigation," by J. H. Ables, Jr.
79	BHL TR No. 126-1	Sep 1979	"Navigation Lock for Lower Granite Dam, Snake River, Washington; Hydraulic Model Investigations, Bonneville, Oregon," by L. Z. Perkins.
80	WES TR HL-79-21	Dec 1979	"Modifications to Filling and Emptying System of Lock No. 1, Mississippi River, Minneapolis, Minnesota; Hydraulic Model Investigation," by J. H. Ables, Jr.
81	WES TR-80-13	Aug 1980	"Prototype Filling and Emptying System Measurements, New Bankhead Lock, Black Warrior River, Alabama," by A. R. Tool (includes Appendixes A-B).
82	WES TR HL-80-17	Sep 1980	"Lock Approach Canal Surge and Tow Squat at Lock and Dam 17, Arkansas River Project; Mathematical Model Investigation," by C. J. Huval (includes Appendix A).
83	WES TR HL-81-10	Sep 1981	"Lock Culvert Valve Loss Coefficients; Hydraulic Laboratory Investigation," by G. A. Pickering.
84	BHL TR No. 194-1	Apr 1983	"Emergency Closure System and Flood Control Regulation Gate for Hiram M. Chittenden Locks at Lake Washington Ship Canal; Hydraulic Model Investigation," by M. M. Kubo.
85	WES TR HL-84-8	Sep 1984	"Filling and Emptying System, Walter Bouldin Lock, and Lock Culvert Valve for Coosa River Waterway, Alabama; Hydraulic Model Investigation," by J. F. George.

Number	Laboratory Code and Report Number	Date	Description
86	WES Unassigned	Draft	"John Day Lock Hydraulic Prototype Tests, Columbia River, Washington," by E. B. Pickett and F. M. Neilson.

TABLE 1
LOCK HYDRAULIC SYSTEM
MODEL AND PROTOTYPE STUDY DATA

PAGE SEQUENCE FOR TABLE 1

DESIGN AND OPERATIONAL VARIABLES	TEST REPORT COLUMN NUMBERS			
	01 TO 20	21 TO 45	46 TO 65	66 TO 90
11000 TO 11275	1	2	3	4
11300 TO 12290	5	6	7	8
12300 TO 13236	9	10	11	12
13240 TO 14180	13	14	15	16
14200 TO 15290	17	18	19	20
15300 TO 16260	21	22	23	24
16300 TO 16460 AND "NOTED ITEMS"	25	26	27	28
	FACING PAGES		FACING PAGES	

1. Select DESIGN and/or OPERATIONAL variable(s) of interest and note line number(s) (11000 to 16460).

2. Trace selected line(s) across appropriate tables and note which REPORTS (columns) contain TYPES OF DATA (T,O,Q, etc.) of interest.

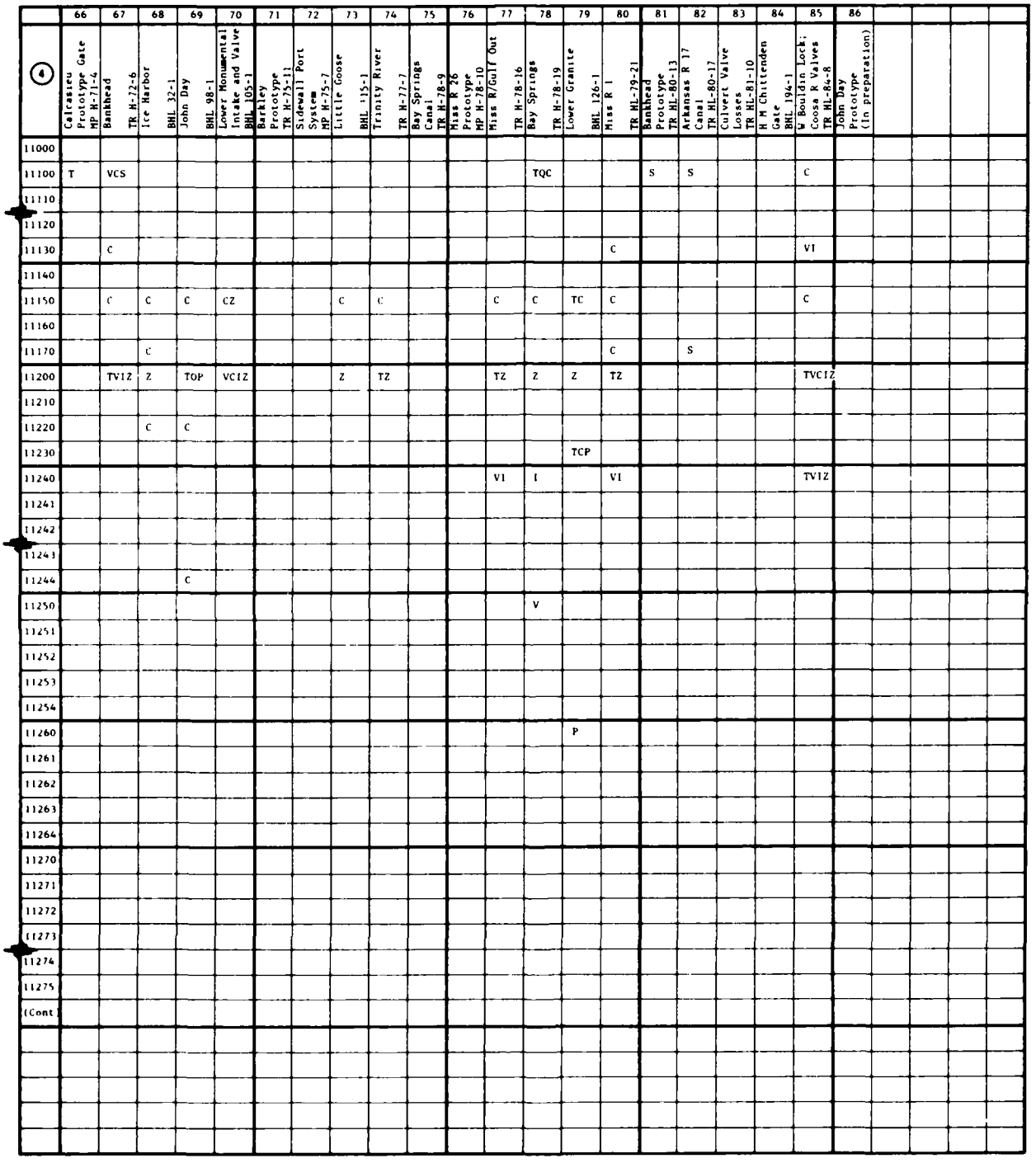
3. See last four pages of TABLE 1 for descriptions of NOTED ITEMS and X's.

① PROJECT AND REPORT DESIGN AND OPERATIONAL VARIABLES	01 Pickwick	02 STP 19 Guntersville	03 STP 21 Watts Bar	04 STP 27 Chickamauga	05 STP 28 Wheeler	06 STP 34 St Anthony Falls Approach STP 44	07 Willamette Falls BHL 8-1	08 Pickwick Prototype STP 46	09 Wheeler Prototype STP 46	10 Wilson Prototype STP 46	11 Ohio R 41 Prototype STP 46	12 Guntersville Prototype STP 46	13 Montgomery lk Prototype STP 46	14 Mac Arthur STP 48	15 Miss R 2 STP 49	16 St Anthony Falls Inlet Gate (Lwr) STP 51	17 Lock Hydraulic Systems STP 52	18 McNary Tainter Valve TM 2-282	19 Pearl R Butterfly Valves TM 2-313	20 Algiers TM 2-309
11000 INTAKE SYSTEM																				
11100 Approach						VSCI	TOH VCS				OS			TOQHS						
11110 Channel type																				
11120 Channel length																				
11130 Guide-guard walls																				
11140 Debris control																				
11150 Vortex control					C									C						
11160 Trashrack																				
11170 Noted items						C														
11200 Manifold	I				TQSI		QVIZ	VI	Q	Q	Q	TOQ VSI	Q	CI			QIL			
11210 Type																				
11220 Location																				
11230 Design submergence																				
11240 Ports	I	I	I		CI		QCIZ	VI				VI		I			TQSI			
11241 Number																				
11242 Arrangement																				
11243 Shape																				
11244 Noted items																				
11250 Port face																				
11251 Width																				
11252 Height																				
11253 Total area																				
11254 T area/culv area																				
11260 Port intake																				
11261 Width																				
11262 Height																				
11263 Total area																				
11264 T area/culv area																				
11270 Port throat																				
11271 Width																				
11272 Height																				
11273 Total area																				
11274 T area/culv area																				
11275 T width/culv width																				
(Cont)																				

(2)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	New Cumberland STP 56	Cheatham Emergency Dam TR 2-358	Miss Aux Locks STP 59	McNary BHL 26-1	McNary Prototype MP 2-146	New Cumberland Supplement STP 565	Calumet TR 2-497	Port Allen TR 2-500	W F George Outlet TR 2-519	Greenup Emergency Gate TR 2-527	Chain of Rocks STP 54	Jackson STP 68	St Anthony Falls Intr Gate (Uppr) STP 69	Old River TR 2-549	McNary Prototype Valve TR 2-552	W G Stone (Sacramento R) TR 2-556	New Poe TR 2-561	Intake Manifolds STP 70	Miss R 19 Tainter Valves TR 2-537	Eisenhower and Snell STP 71	Dardanelle Intake TR 2-573	W F George STP 73	Greenup and Markland STP 74	Miss R 19 (600) STP 65	Panama Canal Gate seals BHL 111-1
11000																								C	
11100											TONS	C					CI	VC				C			
11110																									
11120																									
11130	C							C									CI				C				
11140																									
11150	C		C	C				C			C	C					C	TC			C	C	C	C	
11160																		TCP							
11170											QVZF							TCP			C			C	
11200	I		TOCSI	QZ		THS		Z			TOQ	TOQ MCI	HSI	Z			Z	TQI		TOQH CSIZ	CIZ	VCI	TOQC SIZL	CI	
11210																		TC							
11220														Z											
11230																		TC			C				
11240	I		I	QIL				VI			I	I		VI			VI	I		TOQH CIZ	VI	VI	TI	CI	
11241																									
11242																									
11243																									
11244																									
11250																				TQI					
11251																									
11252																									
11253																									
11254																									
11260																					C				
11261																									
11262																									
11263																									
11264																									
11270																									
11271								VI										TCP							
11272																									
11273																									
11274																									
11275																									
(Cont)																									

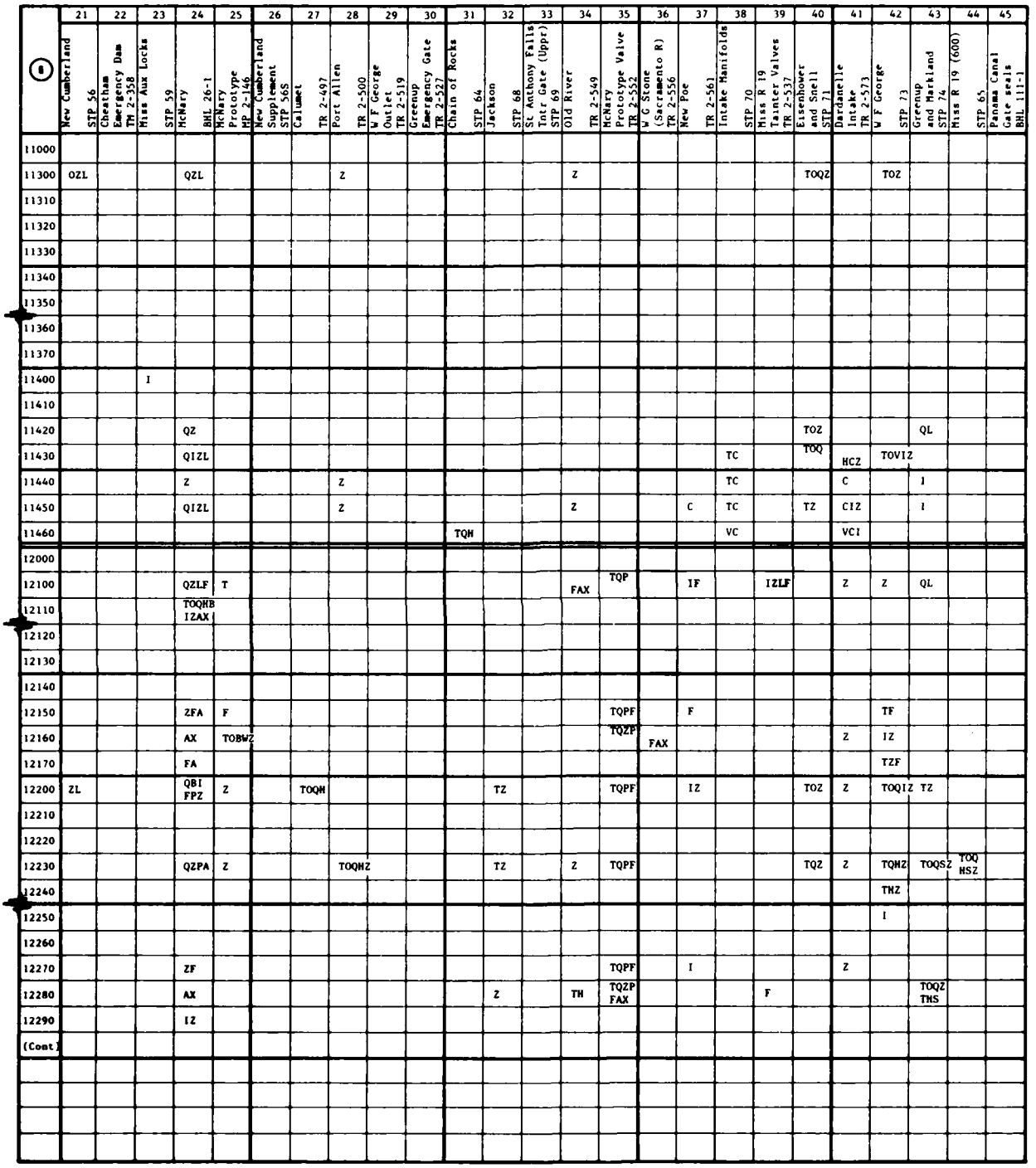
(1) PROJECT AND REPORT / DESIGN AND OPERATIONAL VARIABLES	46 Miss R 19 (1200)	47 STP 66	48 Barkley	49 STP 75	50 McAlpine Prototype MP 2-622	51 Miter Gate Force	52 TR 2-651	53 St Anthony Falls	54 STP 76	55 Jonesville	56 TR 2-678	57 The Dalles	58 BML 56-1	59 Jackson Prototype TR 2-685	60 Barkley Outlet and Gate TR 2-689	61 Holt	62 TR 2-698	63 Culvert Outlet Basin MP 2-794	64 Cannelton	65 TR 2-713 Millers Ferry and Jones Bluff TR 2-718
11000 INTAKE SYSTEM																				
11100 Approach	C	C		TOQ VSF			VCIZ					TOHV CSI					C			
11110 Channel type																				
11120 Channel length																				
11130 Guide-guard walls							C										VCI			
11140 Debris control																				
11150 Vortex control		C					C	C	C							C		C	C	
11160 Trashrack									TOH VCI											
11170 Noted items																				
11200 Manifold	THCI	TIZ					TQV CIZ	Z						L		Z		THVIZ		
11210 Type							Q													
11220 Location							Q													
11230 Design submergence		C					C									C				
11240 Ports	CI	I					TVCIZ	VI												
11241 Number																VCI				
11242 Arrangement																				
11243 Shape																				
11244 Noted items																				
11250 Port face																				
11251 Width																				
11252 Height																				
11253 Total area																				
11254 T area/culv area																				
11260 Port intake										V										
11261 Width																				
11262 Height																				
11263 Total area																				
11264 T area/culv area																				
11270 Port throat														Z						
11271 Width																CZ				
11272 Height																				
11273 Total area																				
11274 T area/culv area																				
11275 T width/culv width																				
(Cont)																				

(1) PROJECT AND REPORT / DESIGN AND OPERATIONAL VARIABLES	66 Culvert Outlet Basin MP 2-794	67 Cannelton	68 TR 2-713 Millers Ferry and Jones Bluff TR 2-718	69 Greenup Prototype TR 2-734	70 Cordell Hull	71 TR 2-739 Ark R Low-Lift	72 TR 2-743 McAlpine	73 TR 2-778	74 Newburgh Valve Position TR H-68-4	75 Dardanelle	76 TR H-69-5 Bayou Boeuf Sector Gate TR H-70-2
11000 INTAKE SYSTEM											
11100 Approach						C					
11110 Channel type											
11120 Channel length											
11130 Guide-guard walls						VCI					
11140 Debris control											
11150 Vortex control		C	C			C	C				
11160 Trashrack											
11170 Noted items											
11200 Manifold		TZ		L		Z	THVIZ				
11210 Type											
11220 Location											
11230 Design submergence						C					
11240 Ports		VI	VI								
11241 Number						VCI					
11242 Arrangement											
11243 Shape											
11244 Noted items											
11250 Port face											
11251 Width											
11252 Height											
11253 Total area											
11254 T area/culv area											
11260 Port intake											
11261 Width											
11262 Height											
11263 Total area											
11264 T area/culv area											
11270 Port throat				Z							
11271 Width						CZ					
11272 Height											
11273 Total area											
11274 T area/culv area											
11275 T width/culv width											
(Cont)											



④	66 Calrasteu Prototype Gate MP H-71-4	67 Bankhead TR H-72-6	68 Ice Harbor BHL 32-1	69 John Day BHL 98-1	70 Lower Monumental Intake and Valve BHL 105-1	71 Barkley Prototype TR H-75-11	72 Sidewall Port System MP H-75-7	73 Little Goose BHL 115-1	74 Trinity River TR H-77-7	75 Bay Springs Canal TR H-78-9	76 Miss R 26 Prototype MP H-78-10	77 Miss R/Gulf Out TR H-78-16	78 Bay Springs TR H-78-19	79 Lower Granite BHL 126-1	80 Miss R 1 TR HL-79-21	81 Bankhead Prototype TR HL-80-13	82 Arkansas R 17 Canal TR HL-80-17	83 Culvert Valve Losses TR HL-81-10	84 H M Chittenden Gate BHL 194-1	85 W Bouldin Lock; Coosa R Valves TR HL-84-8	86 John Day Prototype (In preparation)
11000																					
11100	T	VCS											TQC			S	S			C	
11110																					
11120																					
11130		C													C					VI	
11140																					
11150		C	C	C	CZ			C	C			C	C	TC	C					C	
11160																					
11170			C												C		S				
11200		TVIZ	Z	TOP	VCIZ			Z	TZ			TZ	Z	Z	TZ					TVCIZ	
11210																					
11220			C	C																	
11230														TCP							
11240												VI	I		VI					TVIZ	
11241																					
11242																					
11243																					
11244				C																	
11250													V								
11251																					
11252																					
11253																					
11254																					
11260														P							
11261																					
11262																					
11263																					
11264																					
11270																					
11271																					
11272																					
11273																					
11274																					
11275																					
(Cont)																					

⑤ DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
		Pickwick	STP 19	Guntersville	STP 21	Watts Bar	STP 27	Chickamauga	STP 28	Wheeler	STP 34	St Anthony Falls	Approach STP 44	Willamette Falls	BNL B-1	Pickwick	Prototype STP 46	Wheeler	Prototype STP 46	Wilson	Prototype STP 46	Ohio R 41	Prototype STP 46	Guntersville	Prototype STP 46	Montgomery Is	Prototype STP 46	Mac Arthur	STP 48	Miss R 2	STP 49	St Anthony Falls	Intr Gate (Lwr)	STP 51	Lock Hydraulic	Systems STP 52	McNary	Tainter Valve TM 2-282	Pearl R	Bfly Valves TM 2-313	Algiers	TM 2-309
11000	INTAKE SYSTEM (Cont)																																						
11300	Transition Conduit	TQZL		TQSZL												TZ								TOQZL				Z					TOQZL						
11310	Length																																						
11320	Shape																																						
11330	Upstr size (W×H)																																						
11340	Dnstr size (W×H)																																						
11350	Slope																																						
11360	Bends																																						
11370	Noted items																																						
11400	Operation																																						
11410	Type																																						
11420	Valves used																																						
11430	Valve schedule		Z			TQS		TQV SIZ							TOQ HSI																									
11440	Initial pool el							TQVC SIZ										TS1																						
11450	Initial chamber el	TQIZL	TQS IZL					TQV SIZ					Z		Z																									
11460	Noted items																																						
12000	FILLING VALVE SYSTEM		I																																				
12100	Valve			I				QVIZ	Q					X	F			IZL			QF		TOQHV CBWSIF																
12110	Type	SIZ	BI			I																																	
12120	Size (W×H)																																						
12130	Radius																TOQHB WSIZ																						
12140	Trunnion el																																						
12150	Hoist								T						F						QF																		
12160	Vents																																						
12170	Noted items																				F		TQHSF																
12200	Flow Passage	DSIZ	IZ	I		IZ		QVIZ					Z		Z			TOIZL	IZP																				
12210	Shape																																						
12220	Size (W×H)																																						
12230	Roof el	TDI																IL																					
12240	Invert el																	I	IZP																				
12250	Contraction																																						
12260	Expansion																																						
12270	Well	SIZ																L																					
12280	Bulkhead slots	IZ	I	I																																			
12290	*Noted items*																																						
(Cont)																																							



(7) DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
		Hiss R 19 (1200)	STP 66	Barkley	STP 75	McAlpine Prototype MP 2-622	Hiter Gate Force TR 2-651	St Anthony Falls	STP 76	Jonesville	TR 2-678	The Dalles	BHL 56-1	Jackson Prototype TR 2-685	Barkley Outlet and Gate TR 2-689	Holt	TR 2-698	Culvert Outlet Basin MP 2-794	Cannelton	TR 2-713	Hillers Ferry and Jones Bluff TR 2-718	Greenup Prototype TR 2-734	Cordell Hull	TR 2-739	Ark R Low-Lift	TR 2-743	McAlpine	TR 2-778	Newburgh Valve Position TR H-68-4	Dardanelle	TR H-69-5	Bayou Boeuf Sector Gate TR H-70-2
11000	INTAKE SYSTEM (Cont)																														
11300	Transition conduit	Z				TOHS IZP					TZ			TZ																	
11310	Length																														
11320	Shape																														
11330	Upstr size (W×H)																														
11340	Dnstr size (W×H)																														
11350	Slope																														
11360	Bends																														
11370	Noted items																														
11400	Operation																							Z							
11410	Type																														
11420	Valves used					Z		TOHS																							
11430	Valve schedule	THC	TZ	TQVF		TVCIZ		TOHS														L		C							
11440	Initial pool el		C			C								C										CZ						
11450	Initial chamber el		Z			VIZ		TOHS																CZ							
11460	Noted items	CB				C																ZL									
12000	FILLING VALVE SYSTEM																														
12100	Valve		TZPF			TOQM SIZL					QF											L									
12110	Type																														
12120	Size (W×H)																														
12130	Radius																														
12140	Trunnion el																														
12150	Hoist		F						T		F					TQ															
12160	Vents		ZP								THP			THP		HP															
12170	Noted items		Z								F																				
12200	Flow passage	Z	TZP			TOQM SIZP	Z				TZ		TZ	TZ	TZ	TZ	Z	Z		TZ											
12210	Shape																														
12220	Size (W×H)																														
12230	Roof el		TZP			Z	Z	P					P	P		P	TP	Z	TP												
12240	Invert el		Z			Z																									
12250	Contraction																														
12260	Expansion															P															
12270	Well					SZ																									
12280	Bulkhead slots					TZ																									
12290	Noted items	THS																											THP		
(Cont)																															

(1)	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
	Calcasieu Prototype Gate MP H-71-4	Bankhead TR H-72-6	Ice Harbor BHL 32-1	John Day BHL 98-1	Lower Monumental Intake and Valve BHL 105-1	Barkley Prototype TR H-75-11	Sidewall Port System MP H-75-7	Little Goose BHL 115-1	Trinity River TR H-77-7	Bay Springs Canal TR H-78-9	Miss R 26 Prototype MP H-78-10	Miss R/Gulf Out TR H-78-16	Bay Springs TR H-78-19	Lower Granite BHL 126-1	Miss R 1 TR HL-79-21	Bankhead Prototype TR HL-80-13	Arkansas R 17 Canal TR HL-80-17	Culvert Valve Losses TR HL-81-10	R M Chittenden Gate BHL 194-1	W Bouldin Lock, Coosa R Valves TR HL-84-8	John Day Prototype (In preparation)				
11000																									
11300			TQZL	TQZPL		Z		QZL							TZ					TZ					
11310																									
11320																									
11330																									
11340																									
11350																									
11360																									
11370								Z																	
11400													Z												
11410																									
11420			Z	C	C			CZ						TC						TZ					
11430			Z	C				Z						TC						TZ					
11440				TQCP	CZ			QZL					TQCZ	TC											
11450				TQCP	VCIZ			QCZL						Z						TZ					
11460		S		C	C			C						TC											
12000																									
12100				QZLF		IPLFA									F	IL		IL		FA	TQZ PLX				
12110															TQH ZPF										
12120																									
12130																									
12140																									
12150	F			F		TQZ PFA									F	F				FA	T				
12160						LX							P	P		X					TZPX				
12170				F																					
12200		TZ	Z	ZP		IZPFA	IZ	Z	TZ			TZ	Z	Z	TZ	TZP		Z		TZ	TQZ PAX				
12210																									
12220														Z											
12230		P	TOHP	TOQH SZPL		PLFAX		TOH SZP				P	THZP	TQZP	THP	TZP		Z		TP	TQZ PLX				
12240													THZP												
12250	I						IZ																		
12260	I		TOQ HZPL				BIZ							P				IZL							
12270						TQZL									Z	TZP				F					
12280																				F					
12290																		IZL							
(Cont)																									

DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
		Pickwick	STP 19	Guntersville	STP 21	Watts Bar	STP 27	Chickamauga	STP 28	Wheeler	STP 34	St Anthony Falls	Approach STP 44	Willamette Falls	BHL 8-1	Pickwick	Prototype STP 46	Wheeler	Prototype STP 46	Wilson	Prototype STP 46	Ohio R 41	Prototype STP 46	Guntersville	Prototype STP 46	Montgomery Is	Prototype STP 46	Mac Arthur	STP 48	Miss R 2	STP 49	St Anthony Falls	Intr Gate (Lwr) STP 51	Lock Hydraulic Systems STP 52	McNary Tainter Valve TM 2-282	Pearl R B'fly Valves TM 2-313	Algiers	TM 2-309
12000	FILL VALVE SYS (Cont)																				
12300	Operation																BW				
12310	Type																				
12320	Valves used																			QF	
12330	Valve schedule	TDSI	Z					QVIZ	TQ						F		TOQHB WSIZ	IL	Z	QF	TOQHV CBWSIF
12340	Initial pool el							QVIZ												QF	TOQ HSF
12350	Initial chamber el	I						TQHV BIZ	Q				Z		Z		BWIZ			QF	QVCB WIF
12360	Vents																				
12370	Bulkhead slots	IZ		I																	
12380	Noted items																			QF	
13000	CULVERT-CHAMBER MANIFOLD																				
13100	Culvert	QVZ	Z	TQS		Z		TOQHV CBSIZ	TQS IZL				TOZ		Z			TOQV IZL			
13110	Length																				
13120	Shape																				
13130	Size (W×H)																				
13140	Area																				
13150	Transitions																				
13160	Bends																				
13170	Noted items	I				S				S	B					TOQH CSI					
13200	Manifold	DIZ	DZ	Q		TQVB SIZ		TOQHV BSIZ	TOQVC BSIZ	TOQV BSI	TOQV BSI	TQV BSI	TOQVC BSIZ	TOQV CBSI	TOQ HSZ	TOQH CSI	THS	TOQV IZL			
13210	Type																				
13220	Branch lats, longs							TOQHV BSIZ							CI	TOQHS					
13221	Number																				
13222	Arrangement														I						
13223	Length																				
13224	Spacing																				
13225	Shape																				
13226	Entr size (W×H)																				
13227	Total entr area																				
13228	T entr a/culv a																				
13229	Noted items																				
13230	Transitions																				
13231	Crossover culv							TOQHV													
13232	Branching																				
13233	Bends																				
13234	Expansions																				
13235	Contractions																				
13236	Noted items																				
(Cont)																					

(10)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	New Cumberland	STP 56	Cheatham Emergency Dam TR 2-358	Miss Aux Locks	STP 59	New Cumberland Supplement STP 56S	Calumet	TR 2-497	TR 2-500	W F George Outlet TR 2-519	Greenup Emergency Gate TR 2-527	Chain of Rocks	STP 64	Jackson	STP 68	St Anthony Falls Intr Gate (Uppr) STP 69	Old River	TR 2-569	McNary Prototype Valve TR 2-552	W G Stone (Sacramento R) TR 2-556	New Poe	TR 2-561	Intake Manifolds	STP 70	Miss R 19 Tainter Valves TR 2-537	Eisenhower and Snell STP 71	Dardanelle Intake TR 2-573	W F George	STP 73	Greenup and Markland STP 74	Miss R 19 (600)	STP 65	Panama Canal Gate seals BHL 111-1
12000																									
12300																									
12310																									
12320	ZL			TQNZ											TQPF					TOZ		Z			
12330				TQNZ FLAX	TZ			Z				Z	QW		TQPF		IZF		IF	TOQZ		TQQH IZF			
12340	ZL			ZF				Z					QW	Z											
12350	ZL			QZFA	TF										TQPF		F			TZ	Z	Z			
12360				AX	TOBWZ										TQZP FAX							I			
12370				AX								Z		TH	TQZP FAX				F	TOZ		I		TQMSZ	
12380																			IZLF						
13000																									
13100	OZL		TQS	QZP	Z							TZ					Z			TQQH CSZ		TOIZ	TQZL	TQH VSI	
13110																						TQQH CIZX		TQH VSZ	
13120																									
13130											I											IZ			
13140																									
13150																									
13160																									
13170				TOH																					
13200	TOQHC SIZL		TOCSI	TOQHC BSIZL		THS		Z			TOQH CSI	TOQH SIZ		TH				TQ		TOQH CSIZ		TOQH CIZX	TQZL	TQQHV ICBWSZ	
13210																								TOQHC SIZL	
13220	TOQH CSI		TCI	TOQH VIZ	Z												TOQH SIZ					TOQHC IZPX	TOQHC SIZL	TOQHC BWSF	
13221	OQ		TQCS	TZ								TH										T	T	THBS	
13222	OQ																					T	THSI	S	
13223			TQCS																						
13224			S																						
13225																									
13226																									
13227																									
13228																									
13229																								TOQ HSF	
13230																									
13231																						THZ			
13232																									
13233																									
13234																									
13235																									
13236																									
(Cont)																									

(11) DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
		Miss R 19 (1200)	STP 66	Barkley	STP 75	McAlpine Prototype MP 2-622	Miter Gate Force TR 2-651	St Anthony Falls STP 76	Jonesville TR 2-678	The Dalles BHL 56-1	Jackson Prototype TR 2-685	Barkley Outlet and Gate TR 2-689	Holt TR 2-698	Culvert Outlet Basin MP 2-794	Cannelton TR 2-713	Millers Ferry and Jones Bluff TR 2-718	Greenup Prototype TR 2-734	Cordell Hull TR 2-739	Ark R Low-Lift TR 2-743	McAlpine TR 2-778	Newburgh Valve Position TR H-68-4	Jardanelle TR H-69-5	Bayou Boeuf Sector Gate TR H-70-2
12000 FILL VALVE SYS (Cont)																					
12300 Operation																	Z				
12310 Type																					
12320 Valves used						Z															
12330 Valve schedule			TZF			TOQH SIZL	Z	P	T		QF		P	THP	TL		TP		Z		F
12340 Initial pool el			F										P				TZP		Z		F
12350 Initial chamber el		Z	Z			QSIZL		P			F		P				TZP				
12360 Vents											THP			THP		HP					
12370 Bulkhead slots						TZ															
12380 Noted items											F				TQL					THP	
13000 CULVERT-CHAMBER MANIFOLD																					
13100 Culvert		Z	TZ			TOHS IZP	Z				TZ		TZ	TZ	TZ	TZ	Z	BWI		TZ	
13110 Length																					
13120 Shape																					
13130 Size (W×H)																					
13140 Area																					
13150 Transitions																					
13160 Bends																					
13170 Noted items																		THBWI		THV	
13200 Manifold		TOQH CIZ			TOQHC WSIZ								TZ	TZ							
13210 Type																					
13220 Branch lats, longs		TOQH CSI	TOQH CIZ			TOQHC WSIZ					TZ										
13221 Number		S				T															
13222 Arrangement		TOHSI				TZ					TOQH IZP										
13223 Length														TQHZ							
13224 Spacing											TH										
13225 Shape																					
13226 Entr size (W×H)																					
13227 Total entr area																					
13228 T entr a/culv a						T															
13229 Noted items											THZ										
13230 Transitions																					
13231 Crossover culv														TQOH SIZP						TZ	
13232 *Branching*																					
13233 Bends																					
13234 Expansions																					
13235 Contractions																					
13236 Noted items																TH				TQOH DCZP	
(Cont)																					

(12)	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
	Calcasieu Prototype Gate MP H-71-4	Bankhead TR H-72-6	Ice Harbor BHL 32-1	John Day BHL 98-1	Lower Monumental Intake and Valve BHL 105-1	Barkley Prototype TR H-75-11	Sidewall Port System MP H-75-7	Little Goose BHL 115-1	Trinity River TR H-77-7	Bay Springs Canal TR H-78-9	Miss R 26 Prototype MP H-78-10	Miss R/Gulf Out TR H-78-16	Bay Springs TR H-78-19	Lower Granite BHL 126-1	Miss R 1 TR HL-79-21	Bankhead Prototype TR HL-80-13	Arkansas R 17 Canal TR HL-80-17	Culvert Valve Losses TR HL-81-10	H H Chittenden Gate BHL 194-1	W Bouldin Lock; Coosa R Valves TR HL-84-8	John Day Prototype (in preparation)				
12000																									
12300													Z												
12310	TF					TL																			
12320	TF	P	THZ	TOH SPF		TZ		THZP			THDVS		TP	QP	THZP	TIZ PLF				TZP	TQZP LAX				
12330	TF	P	TNZP			TQIZP LFAX	TH	Z			THDVS	P	TP	QP	THZPF	TIZ PLF		IZL		TZPFA	TQZP LAX				
12340	TF		TOHP	PF							T		TP	QP	P			ZL							
12350	TF		TOQH ZPL	PF				Z			T		P	ZP	PF	IPL		ZL		TZPF	TQZ PLX				
12360			TH			TOQHDS ZPLFAX							P	THP		TQIZ PLFX					TQZPX				
12370													P							FA					
12380														TQP											
13000						Q							Z												
13100		TZ	Z	P	SZP	TZPF		QIZL	TZ			TZ	TQ	Z	TZ	PLA				TZ					
13110																									
13120							T																		
13130							TH																		
13140																									
13150			TOQH ZPL																						
13160				TOH SZP																	TPX				
13170								TOHD SZP																	
13200			Z	TOZP				Z						IZ		ZL				THD CWZ					
13210																									
13220		TOHCZ	B	P		ZPF			TZ																
13221								TOHSP																	
13222																									
13223																									
13224																									
13225																									
13226																									
13227																									
13228																									
13229			IZ																						
13230																									
13231		TIZ							TZ				Z							TZ					
13232		TOHZ						QIZL	TZ							P				TZ					
13233																				TZ					
13234																									
13235																									
13236																									
(Cont)																									

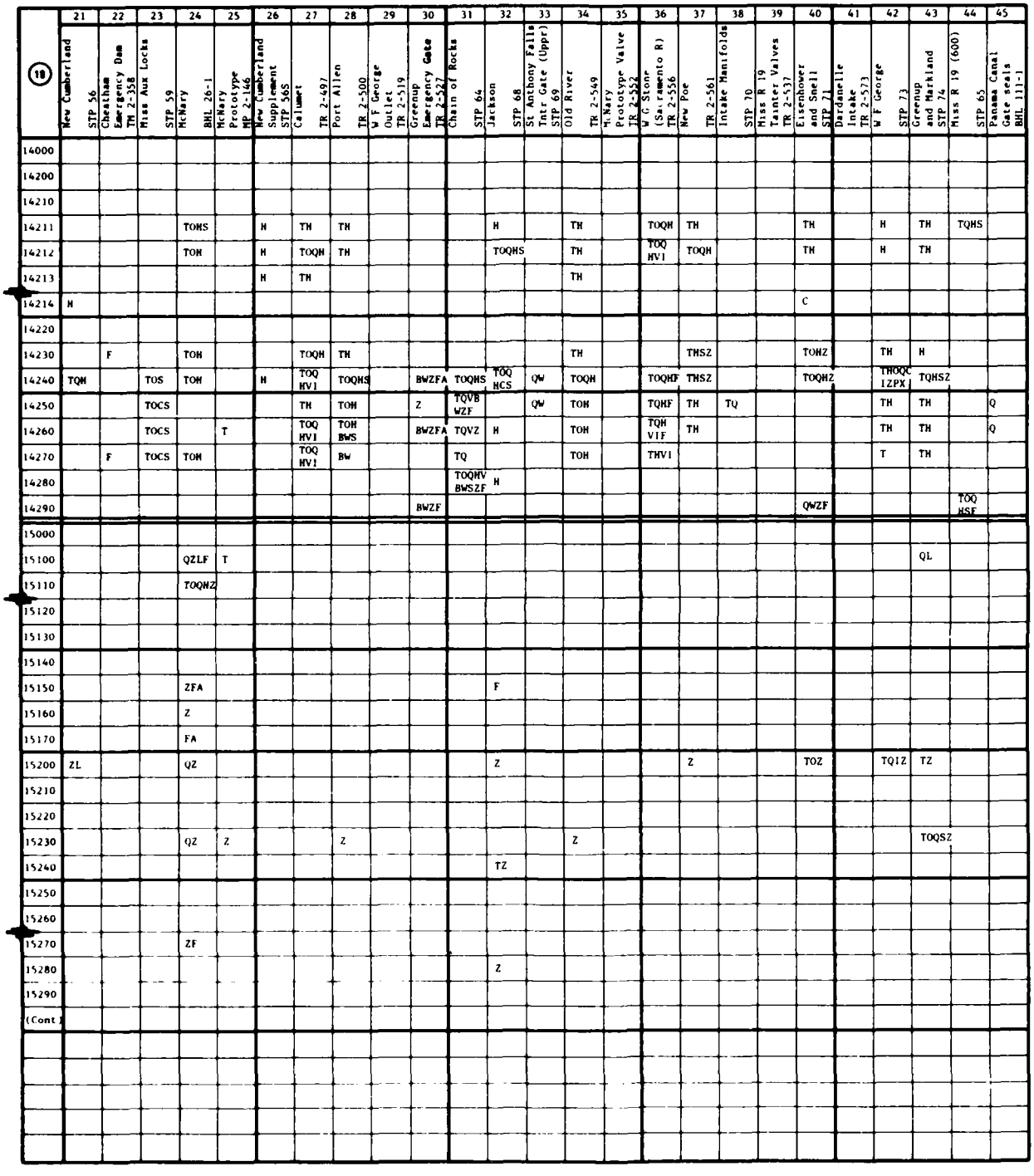
(13) PROJECT AND REPORT DESIGN AND OPERATIONAL VARIABLES	01 Pickwick	02 STP 19 Guntersville	03 STP 21 Watts Bar	04 STP 27 Chickamauga	05 STP 28 Wheeler	06 STP 34 St Anthony Falls Approach	07 STP 44 Willamette Falls	08 BHL 8-1 Pickwick Prototype	09 STP 46 Wheeler Prototype	10 STP 46 Wilson Prototype	11 STP 46 Ohio R 41 Prototype	12 STP 46 Guntersville Prototype	13 STP 46 Montgomery Is Prototype	14 STP 46 Mac Arthur	15 STP 48 Miss R 2	16 STP 49 St Anthony Falls Tntr Gate (Lwr)	17 STP 51 Lock Hydraulic Systems	18 STP 52 McNary Tainter Valve	19 TM 2-282 Pearl R B'fly Valves	20 TM 2-313 Algiers TM 2-309
13000 CULV-CHAM MAN (Cont)																				
13240 Ports	QVIL	VIZ		QL	QVI		TOQHV CBSIZ	TOVIZ	TOVI	TVI	TVI	TOQV IZL	TVI	CI	TOQ HSI		TQVS IZL			
13241 Number	I	TQSIZ	TQS	TQS													TQV SIL			
13242 Arrangement						C											TQV SIL			
13243 Shape							TOQHV BSIZ													
13244 Noted items															TOQHS		TQV SIL			
13250 Port throat		TQSI		Q																
13251 Width		QL																		
13252 Height																				
13253 Total area																				
13254 T area/T br area																				
13260 Port outlet		TQSI																		
13261 Width		QL																		
13262 Height		QL																		
13263 Horiz taper																				
13264 Vert taper																				
13265 Design submergence	QV						TOQH VSIZ													
13300 Operation																				
13310 Type																				
13320 Valves used							TOHS													
13330 Valve schedule	I	TQSZ	TQS	TQS	TQS		TOQHV BSIZ	TOQS						TOQ HSI	TOQHS	THS	Q			
13340 Initial pool el	QV			TQS			TOQH VSIZ	TOQS							TOQH CSI		TQVS IZL			
13350 Initial chamber el	QVIZ	QL		TQSL	VI		TOQH VSIZ	QVIZ	QVI	QVI	QVI	QVIZ	QVI	IZ	TOQ HSI		QZL			
13360 Initial tw el							TOQH VIZ										Z			
13370 Noted items	I																			
14000 LOCK CHAMBER	TQD CIZ	TQD BSZ	TQS	TQS	TQBSZ	CB	TOHC BSZ	TOQV CBSZ	TOQV BSI	TOQV BSI	TOQBS	TOQVC BSIZ	TOQV CBS	TOQ HCS	TOQHS	TOQH BWS	TQS			BW
14100 Features																				
14110 Floor el																				
14120 Manifold recesses															TOQ HCS	TOQH BWSI				
14130 Manifold baffles							TOQH BSIZ									TOQH BWSI				
14140 Gates													X							
14150 Emergency closure																				
14160 Impact barrier																				
14170 Ice and debris																				
14180 Noted items						CB									TOQ HCS					TOQHV CBWSIF
(Cont)																				

(14)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	New Cumberland STP 56	Cheatham Emergency Dam TN 2-358	Miss Aux Locks STP 59	McNary BHL 26-1	McNary Prototype MP 2-146	New Cumberland Supplement STP 56S	Calumet TR 2-497	Port Allen TR 2-500	W F George Outlet TR 2-519	Greenup Emergency Gate TR 2-527	Chain of Rocks STP 64	Jackson STP 68	St Anthony Falls Intr Gate (Uppr) STP 69	Old River TR 2-549	McNary Prototype Valve TR 2-552	W G Stone (Sacramento R) TR 2-556	New Poe TR 2-561	Intake Manifolds STP 70	Miss R 19 Tainter Valves TR 2-537	Eisenhower and Snell STP 71	Mardanelle Intake TR 2-573	W F George STP 73	Greenup and Markland STP 74	Miss R 19 (600) STP 65	Panama Canal Gate seals BHL 111-1
13000																									
13240	TOQH CSIZ		TC	TOHVI				Z			TOQH VCSI	TOQH VSI					TOQ HSI			TOQH CSIZ		I	HCIZ	TQOHV CBWSIZ	
13241	TOQH		TQ	TZ										TOQH									C		
13242	TOQH							TOQ HVI						TOQH											
13243				TZ																					
13244																				THVI		I	TQHCI		
13250				TOH				VIZ												THVI					
13251																									
13252																									
13253																									
13254																				T					
13260								VIZ			I	C								THVI					
13261																									
13262																									
13263																									
13264								VIL																	
13265																									
13300																									
13310																									
13320	QZL			TOQHZ													TOQ			TOHZ		THZ	QHL		
13330	TQH		TOS	TOQH VIZL				TOQH			TOQHS	TOQ HCS		TO			THSZ	HSZ		TOQHZ		TOQHC IZPX	TQHSZ	TQHSZ	
13340	ZL		TOQCS	Z				TOHV	IZL		TQ			TO			THZ					TH	TH	I	
13350	QZL		TOQCS	TOQHC BIZL				THZ			TQ	H		TO			TH			TZ		THIZ	TH	I	
13360			TOQCS	TOHZ							TQ												TH	I	
13370				TOH																					
14000	TOQH CSZ		TOQCS	TOHC BSIZ	TOBW	THS					TOQH CBWS	TOQ HCS	CW	TOQH	TQPF		TOQHS	TQ		TOQH CSZ		TOQHC IZPFX	TOQH CSZ	TOQHV CBWSI	
14100																									
14110												H								TQC					
14120							I	TOQ HVI								TH								TQHBS	
14130			TQCS															C					C	TOQHC BWSIF	
14140							TOQ HVi				TQHV BWZF		QCBW			TOQH VIF		TC						TOQH BSF	
14150		CBWF								BWZFA								TC		QWZF					
14160																									
14170																									
14180	TOQHV CBWSIF				TOH																			TQHSFQ	
(Cont)																									

(15) DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	46 Miss R 19 (1200)	47 STP 66 Barkley	48 STP 75 McAlpine Prototype MP 2-622	49 Miter Gate Force TR 2-651	50 St Anthony Falls STP 76	51 Jonesville TR 2-678	52 The Dalles BHL 56-1	53 Jackson Prototype TR 2-685	54 Barkley Outlet and Gate TR 2-689	55 Holt TR 2-698	56 Culvert Outlet Basin MP 2-794	57 Cannelton TR 2-713	58 Millers Ferry and Jones Bluff TR 2-718	59 Greenup Prototype TR 2-734	60 Cordell Hull TR 2-739	61 Ark R Low-Lift TR 2-743	62 McAlpine TR 2-778	63 Newburgh Valve Position TR H-68-4	64 Dardanelle TR H-69-5	65 Bayou Boeuf Sector Gate TR H-70-2
13000 CULV-CHAM MAN (Cont)																					
13240 Ports		TOHSI				THCIZ					THIZ					TOQH CSZP	I				
13241 Number																	THVC BSI			TH	
13242 Arrangement							TOQ HCS						TOQHV CSIZ	TOQHC SIZP			THV CBI	TOQH BWZ			
13243 Shape																					
13244 Noted items			I			THC					TH		TH	I			THCBS				
13250 Port throat								TOHC BSP			TH										
13251 Width													TQHS				THCB				
13252 Height													TQHS				THV CBI				
13253 Total area																					
13254 T area/t branch a							TH						TQHS								
13260 Port outlet																					
13261 Width																					
13262 Height																					
13263 Horiz taper																					
13264 Vert taper																					
13265 Design submergence							TH						THP				THC				
13300 Operation																	Z				
13310 Type																					
13320 Valves used		TOQH	TOQH			TZ	TH	TOHS			TH		VI	TH	TZ	THP	TH			THP	
13330 Valve schedule		TOQ HSI	TOQH IZF			TOQHC WSIZ	TH	TOHS			THP		TOQHS	TOQH SZP	TZ	THP	TH	TOQH	THZ	TQH CZP	
13340 Initial pool el			TZ				TH	TH			TH		TH	THVI		THP	THZ				
13350 Initial chamber el		Z	TIZ			IZ	TH	TOHSP					TH	THVI			THCZ	Z	TH		
13360 Initial tw el							TH	TOHS					TH	TH			THZ				
13370 Noted items		TOQHS													TQZ			TOQ			
14000 LOCK CHAMBER		TOQH CBSI	TOQH CZP	TOB WSF		TOQHC BWSZ	TOQ HCS		TOHSA		C	SL	C	C		C	TOHV CBI	BW	T	C	
14100 Features																					
14110 Floor el		CB			F																
14120 Manifold recesses							TH										THCBS				
14130 Manifold baffles		CB									TH		TQHS	TH							
14140 Gates					CF																
14150 Emergency closure		F		TFAX				RWSFA		BWZLF											
14160 Impact barrier																					
14170 Ice and debris																					
14180 Noted items		C			F			TOHC BSP													
(Cont)																					

(16)	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
	Calcasieu Prototype Gate MP M-71-4	Bankhead TR M-72-6	Ice Harbor BHL 32-1	John Day BHL 98-1	Lower Monumental Intake and Valve BHL 105-1	Barkley Prototype TR M-75-11	Sidewall Port System MP M-75-7	Little Goose BHL 115-1	Trinity River TR M-77-7	Bay Springs Canal TR M-78-9	Miss R 26 Prototype MP M-78-10	Miss R/Gulf Out TR M-78-16	Bay Springs TR M-78-19	Lower Granite BHL 126-1	Miss R 1 TR HL-79-21	Bankhead Prototype TR HL-80-13	Arkansas R 17 Canal TR HL-80-17	Culvert Valve Losses TR HL-81-10	H M Chittenden Gate BHL 194-1	W Bouldin Lock; Coosa R Valves TR HL-84-8	John Day Prototype (In preparation)				
13000																									
13240		THDCZ										I			I					TZ					
13241							H					TH													
13242							HBIZ					TOHC													
13243							BI																		
13244			I	TOQHC BSZP			THI							THDP	THCI										
13250							BI																		
13251																									
13252									THDC																
13253							HBI																		
13254																L									
13260							BI																		
13261																									
13262																									
13263																									
13264																									
13265							THI																		
13300													Z												
13310																									
13320		THZ	THZ	TOHSP				TOHZP	TH						TH	ZPL		PAX		THWZ	TQZ				
13330		P	TZPH		TOHZ	TH			TOHC			TH					THDWZ	TQZ			PAX				
13340		TH	TOHP	TOHP					TH			TH	TC2												
13350		TH	TOQH ZPL	TOHP	P			TOHZ	TH			TH		Z		P				TQZPX					
13360		TH	THP	TOHP				TOH				TH								TZ					
13370			IZ					QIZL				TH	TQCZ												
14000		TH	TOQH ZPL	TOQH CSP		TOQHD SZLF	HBI	TOH DSP	TOHCZ		THDVS	C	TOHDC	TOQHD CBSIZP	THCP	TOQZP	Q		QVCB WIZ	THDC WZP	TOQP LAX				
14100																									
14110															THCI										
14120							THI					TOHCZ			THCIP				VCWIZ						
14130		TOHD CZ	THB				THI	TOH DSP	THDC					THDP						THDCZ					
14140	TF		H																WZ	THW					
14150																			QVCBW IZFA						
14160																									
14170																									
14180			TOQH ZPL																A						
(Cont)																									

(17) PROJECT AND REPORT / DESIGN AND OPERATIONAL VARIABLES	01 Pickwick	02 STP 19 Guntersville	03 STP 21 Watts Bar	04 STP 27 Chickamauga	05 STP 28 Wheeler	06 STP 34 St Anthony Falls Approach	07 STP 44 Willamette Falls BHL 8-1	08 Pickwick Prototype STP 46	09 Wheeler Prototype STP 46	10 Wilson Prototype STP 46	11 Ohio R 41 Prototype STP 46	12 Guntersville Prototype STP 46	13 Montgomery Is Prototype STP 46	14 Mat Arthur STP 48	15 Miss R 2 STP 49	16 St Anthony Falls Tntr Gate (Lwr) STP 51	17 Lock Hydraulic Systems STP 52	18 McNary Tainter Valve TM 2-282	19 Pearl R Rolly Valves TM 2-313	20 Algiers TM 2-309
14000 LOCK CHAMBER (Cont)																				
14200 Operation																				
14210 Tow		D																		
14211 Size							TQHS							TQQHS	TQQHS	TQQHS				TQQHS
14212 Position	DI						TQHS								THS					TQQHS
14213 Draft							TH							TQQHS	THS	TQQHS				THS
14214 Noted items							TQHS													
14220 Type																				
14230 Valves used	D						TQHS													
14240 Valve schedule	TDI	TQSZ	TQS	TQS	TQS		TQHS	TQQS						TQQHS	TQQHS	TQQH BWSI				TQQHV CBWSIF
14250 Initial pool el				TQS			TQQH SIZ	TQQS							TQQHS		TQS			TQQ HSF
14260 Initial chamber el				TQS			TQQH BSIZ	Q	Q	Q	Q	Q	Q	TQQS	TQQHS	TQQH BWSI				QVCB WIF
14270 Initial tw el							TQQH BSIZ													
14280 Initial cushion																				
14290 Noted items														TQQHS						
15000 EMPTYING VALVE SYSTEM																				
15100 Valve	BI						QVIZ						X	F						
15110 Type	IZ	I			I															
15120 Size (W*H)																				
15130 Radius																				
15140 Trunnion el																				
15150 Hoist								T						F						
15160 Vents																				
15170 Noted items																				
15200 Flow Passage	IZ	IZ			IZ		QVIZ							QZL						
15210 Shape																				
15220 Size (W*H)																				
15230 Roof el																				
15240 Invert el																				
15250 Contraction																				
15260 Expansion																				
15270 Well	IZ																			
15280 Bulkhead slots	CBIZ	BI																		
15290 Noted items																				
(Cont)																				



(19) DESIGN AND OPERATIONAL VARIABLES / PROJECT AND REPORT	46 Miss R 19 (1200)	47 STP 66 Barkley	48 STP 75 McAlpine Prototype MP 2-622	49 Miter Gate Force TR 2-651	50 St Anthony Falls STP 76	51 Jonesville TR 2-678	52 The Dalles BHL 56-1	53 Jackson Prototype TR 2-685	54 Barkley Outlet and Gate TR 2-689	55 Holt TR 2-698	56 Culvert Outlet Basin MP 2-794	57 Cannelton TR 2-713	58 Hillers Ferry and Jones Bluff TR 2-718	59 Greenup Prototype TR 2-734	60 Cordell Hull TR 2-739	61 Ark R Low-Lift TR 2-743	62 McAlpine TR 2-778	63 Newburgh Valve Position TR H-68-4	64 Dardanelle TR H-69-5	65 Bayou Boeuf Sector Gate TR H-70-2
14000 LOCK CHAMBER (Cont)																				
14200 Operation																				
14210 Tow				F															D	
14211 Size	TH	H			H	TH	TOHS			TH		TH	TH		TH	TH	TH		TH	
14212 Position	TH	H			H	TH	TOHS	OH		TH		TH	TH		TH	TH	TH		TH	
14213 Draft												TH								
14214 Noted items	H							OHS												
14220 Type																VI				
14230 Valves used	TOQH	TOQH			TZ	TH	TOHS									TH				
14240 Valve schedule	TOQ HS1	TOQ HZ	TQVB WFX	F	TOQH CWSZ	TH	TOHS	TOHS	BWZLF	THP						TH				
14250 Initial pool el		TZ		F		TH	THW SFA		ZLF							TH				
14260 Initial chamber el		T				TH	TOHSP		F							TH				
14270 Initial tw el						TH	TOHS													
14280 Initial cushion						TH										TH				
14290 Noted items	TOQ HSF			F	TOQH CWS		THW SFA													
15000 EMPTYING VALVE SYSTEM																				
15100 Valve		F			TQSZL															
15110 Type																				
15120 Size (W×H)																				
15130 Radius																				
15140 Trunnion el																				
15150 Hoist		F												TQ						
15160 Vents																				
15170 Noted items	Z																			
15200 Flow passage	Z	TZ			TQS IZP	Z				TZ		TZ	TZ	TZ	TZ	Z	Z		TZ	
15210 Shape																				
15220 Size (W×H)																				
15230 Roof el					Z							P								
15240 Invert el					Z															
15250 Contraction	Z																			
15260 Expansion																				
15270 Weir					S															
15280 Bulkhead slots																				
15290 Noted items																				
(Cont)																				

(20)	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
	Calcasieu Prototype Gate MP H-71-4	Bankhead TR H-72-6	Ice Harbor BHL 32-1	John Day BHL 98-1	Lower Monumental Intake and Valve BHL 105-1	Barkley Prototype TR H-75-11	Sidewall Port System MP H-75-7	Little Goose BHL 115-1	Trinity River TR H-77-7	Bay Springs Canal TR H-78-9	Miss R 26 Prototype MP H-78-10	Miss R/Gulf Out TR H-78-16	Bay Springs TR H-78-19	Lower Granite BHL 126-1	Miss R 1 TR HL-79-21	Bankhead Prototype TR HL-80-13	Arkansas R 17 Canal TR HL-80-17	Culvert Valve Losses TR HL-81-10	H M Chittenden Gate BHL 194-1	W Bouldin Lock; Coosa R Valves TR HL-84-8	John Day Prototype (in preparation)				
14000																									
14200						A																			
14210																									
14211		TH	TH	TOHSP					TH			TH	THD	THDP	TH					THDW					
14212		TH	TH	TOHSP				THDP	TH	H		TH	THD	THDP	TH		S			THDW					
14213								THP	TH			TH		TH	TH										
14214						OHSA																			
14220	TF					HS							T												
14230	TF		TH	TOHSP		TOQH DSF		TOHP					TOH	TOHD SZP	THP	TOQ				THWZP	TOQP LAX				
14240	TF		TH	TH		TOQH DSF		TOH	O				TOH	TOHD BSZP	THP	T			QVCB WIZF	THD WZP	TQP LAX				
14250	TF		TOHP	TOH									THCZ	TH	TH				Q						
14260	TF		TOQH ZPL	TOH		HS		TOH					TH	TH	TH	Q				THWZP	TOQ PLX				
14270			THP	TOH				TOH						TH	TH				QVCB WIZF	THWZP					
14280		TH										TH	TH		THC										
14290			H	H																					
15000																									
15100					I															FA					
15110					SZF										TQH ZPF										
15120																									
15130																									
15140																									
15150					ZF															FA					
15160								Z																	
15170				HZP																					
15200		TZ	Z	ZP	IZP			Z				TZ	Z	Z	TZ					TZ					
15210																									
15220																									
15230			THP	TOHSP									P		THP					TP					
15240																									
15250																									
15260																									
15270					ZF	TZL										TZ									
15280															Z					F	TPAX				
15290																									
(Cont)																									

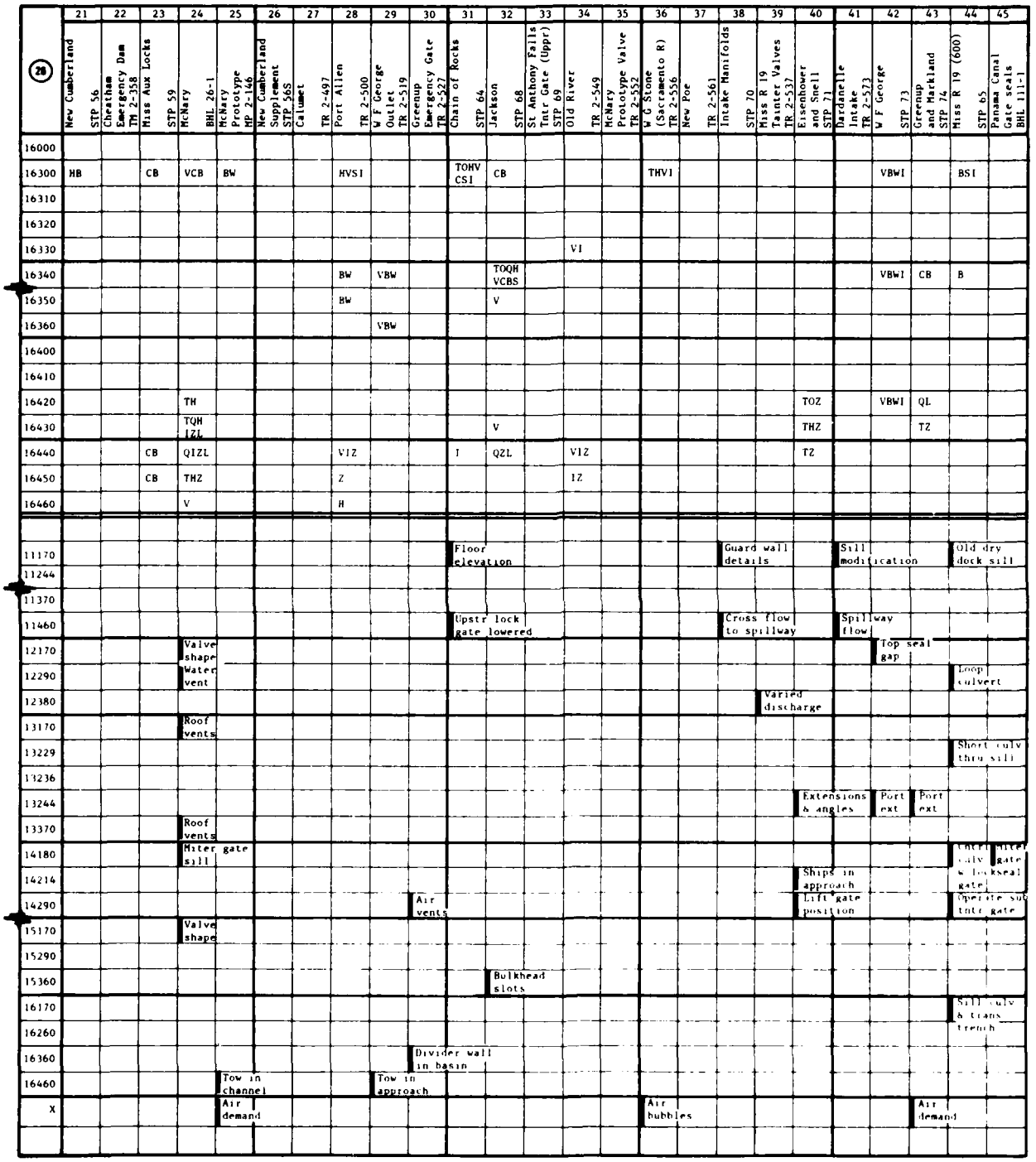
(21) PROJECT AND REPORT DESIGN AND OPERATIONAL VARIABLES	01 Pickwick	02 STP 19 Guntersville	03 STP 21 Watts Bar	04 STP 27 Chickamauga	05 STP 28 Wheeler	06 STP 34 St Anthony Falls Approach	07 STP 44 Willamette Falls BHL 8-1	08 Pickwick Prototype STP 46	09 Wheeler Prototype STP 46	10 Wilson Prototype STP 46	11 Ohio R 41 Prototype STP 46	12 Guntersville Prototype STP 46	13 Montgomery Is Prototype STP 46	14 Mac Arthur STP 48	15 Miss R 2 STP 49	16 St Anthony Falls Intr Gate (Ler) STP 51	17 Lock Hydraulic Systems STP 52	18 McNary Tainter Valve TM 2-282	19 Pearl R B'fly Valves TM 2-313	20 Algiers TM 2-309
15000 EMPTY VALVE SYS (Cont)																				
15300 Operation																				
15310 Type																				
15320 Valves used																				
15330 Valve schedule		Z					QVIZ	T						F						
15340 Initial chamber el							QVIZ							Z						
15350 Initial tw el							QVIZ													
15360 Noted items	IZ	BI																		
16000 OUTLET SYSTEM																				
16100 Transition conduit					Z															
16110 Length																				
16120 Shape																				
16130 Upstr size (W×H)																				
16140 Dnstr size (W×H)																				
16150 Slope																				
16160 Bends																				
16170 Noted items																				
16200 Manifold	I				TQBS		TOQH VSIZ	TOVBI	QB	QB		TOQV BSIZ	QB	TOQHC BSIZL	CB	THS				
16210 Type																				
16220 Location																				
16230 Ports	CBI	BI					QVBIZ	TOVI				TOVIZ		QCBIL						
16231 Number	I																			
16232 Arrangement																				
16233 Shape																				
16240 Port throat																				
16241 Width	I																			
16242 Height																				
16243 Total area																				
16244 T area/cond area																				
16250 Port outlet							TOQH VCIZ													
16251 Width																				
16252 Height	I																			
16253 Design submergence																				
16260 Noted items		I																		
(Cont)																				

(22)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	New Cumberland	STP 56 Cheatham Emergency Dam TM 2-358	Miss Aux Locks	STP 59 McNary	BHL 26-1 McNary Prototype MP 2-146	New Cumberland Supplement STP 56S	Calumet	TR 2-497 Port Allen	TR 2-500 W F George Outlet	TR 2-519 Greenup Emergency Gate	TR 2-527 Chain of Rocks	STP 64 Jackson	STP 68 St Anthony Falls Intr Gate (Uppr)	STP 69 Old River	TR 2-549 McNary Prototype Valve	TR 2-552 W G Stone (Sacramento R)	TR 2-556 New Poe	TR 2-561 Intake Manifolds	STP 70 Miss R 19 Tainter Valves	TR 2-537 Eisenhower and Snell	STP 71 Dardanelle Intake	TR 2-573 W F George	STP 73 Greenup and Markland	STP 74 Miss R 19 (600)	STP 65 Panama Canal Gate seals	BHL 111-1
15000																									
15300																									
15310																									
15320				TH																TOZ		Z			
15330				TQHZ LFA				Z				Z					Z			TZ		TQIZ	TZ		
15340	ZL			QZF				Z				F								TZ					
15350				QZF																					
15360				Z								TZ													
16000																									
16100				Z				TOHZ				TZ		Z						C		Z	TOQ SZL		
16110																									
16120																									
16130																									
16140																									
16150																									
16160												QZL													
16170																								CB	
16200	TOQHC BWSI		TOC BSI	TOH CBZ		THS		TOHZ			TOQH VCI			TOQH VIZ			TOQH VSIZ			TOQH CSIZ				BSI	
16210																									
16220																									
16230	HCBWI		I	QIL				VBWI			VCI						TOQ HVI			THCI			TZ	BSI	
16231																									
16232																									
16233																									
16240																									
16241																									
16242																									
16243																									
16244																									
16250												TOQ HVS										VBWI			
16251																									
16252																									
16253			CB																						
16260																					CI				
(Cont)																									

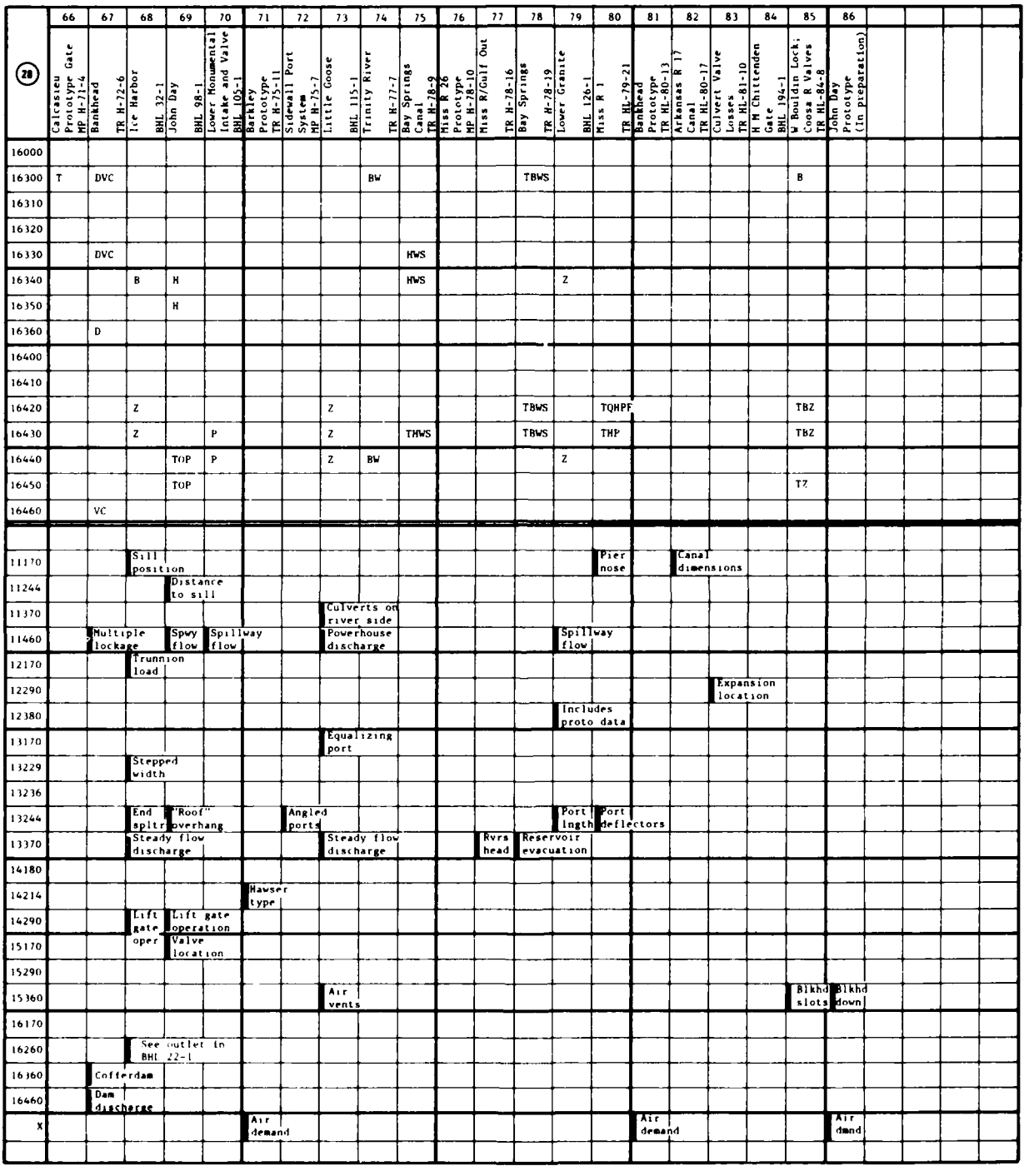
(23) DESIGN AND OPERATIONAL VARIABLES	PROJECT AND REPORT	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
		Miss R 19 (1200)	STP 66	Barkley	STP 75 McAlpine Prototype HP 2-622	Miter Gate Force TR 2-651	St Anthony Falls STP 76	Jonesville TR 2-678	The Dalles BHL 56-1	Jackson Prototype TR 2-685	Barkley Outlet and Gate TR 2-689	Holt TR 2-698	Culvert Outlet Basin MP 2-794	Cannelton TR 2-713	Millers Ferry and Jones Bluff TR 2-718	Greenup Prototype TR 2-734	Cordell Hull TR 2-739	Ark R Low-Lift TR 2-743	McAlpine TR 2-778	Newburgh Valve Position TR H-68-4	Dardanelle TR H-69-5	Bayou Boeuf Sector Gate TR H-70-2
15000 EMPTY VALVE SYS (Cont)																					
15300 Operation																					
15310 Type																					
15320 Valves used																					
15330 Valve schedule		Z	TZ			TSIZ							P		TL						
15340 Initial chamber el			ZF			QSL											Z				
15350 Initial tw el						IZ							P				Z				
15360 Noted items		Z				Z									TQZL						
16000 OUTLET SYSTEM																					
16100 Transition conduit		Z	TZ			T Z					TZ		TZ	TZ	TZ		Z			TZ	
16110 Length																					
16120 Shape																					
16130 Upstr size (W×H)																					
16140 Dnstr size (W×H)																					
16150 Slope																					
16160 Bends																					
16170 Noted items																					
16200 Manifold		TOHC BSIZ	TVCIZ			TOQH VIZ	Z	TOH CBS									Z	VIZ			
16210 Type																					
16220 Location																					
16230 Ports		CBIZ	I			TQH VIZ	VI										VI				
16231 Number																					
16232 Arrangement																					
16233 Shape																					
16240 Port throat																					
16241 Width																					
16242 Height																					
16243 Total area																					
16244 T area/cond area																					
16250 Port outlet																					
16251 Width																					
16252 Height																					
16253 Design submergence																					
16260 Noted items																					
(Cont)																					

(24)	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
	Calcasieu Prototype Gate MP H-71-4	Bankhead	TR H-72-6 Ice Harbor	BHL 32-1 John Day	BHL 98-1 Lower Monumental Intake and Valve BHL 105-1	Barkley Prototype TR H-75-11	Sidewall Port System MP H-75-7	Little Goose	BHL 115-1 Trinity River	TR H-77-7 Bay Springs Canal TR H-78-9	Miss R 26 Prototype MP H-78-10	Miss R/Gulf Out TR H-78-16	Bay Springs TR H-78-19	Lower Granite BHL 126-1	Miss R 1 TR HL-79-21	Bankhead Prototype TR HL-80-13	Arkansas R 17 Canal TR HL-80-17	Culvert Valve Losses TR HL-81-10	H H Chittenden Gate BHL 194-1	W Bouldin Lock; Coosa R Valves TR HL-84-8	John Day Prototype (In preparation)				
15000																									
15300													Z												
15310																									
15320			Z	TOHSP		TZ		Z							TQH ZPF	TZ				TZP	TPAX				
15330			Z	H	SIZPF	TZ	TH	Z					P		THZP					TZPFA	TPAX				
15340				HP	IP			Z					P	Z	P	TZ									
15350			THP	P									P		P					TZPF					
15360								Z												FA	TPAX				
16000																									
16100		TZ	Z	TOP	P			Z																	
16110																									
16120																									
16130																									
16140																									
16150																									
16160				HZP																					
16170																									
16200									TBWZ	THWS		TBZ			TBWZ					TVB WIZ					
16210																									
16220													BW												
16230			Z									VI	I		TQHV IPF					VWI				
16231																									
16232																									
16233																									
16240																									
16241																									
16242																									
16243																									
16244																									
16250													V			V									
16251																									
16252																									
16253																									
16260			C																						
(Cont)																									

(25) PROJECT AND REPORT DESIGN AND OPERATIONAL VARIABLES	01 Pickwick STP 19	02 Guntersville STP 21	03 Watts Bar STP 27	04 Chickamauga STP 28	05 Wheeler STP 34	06 St Anthony Falls Approach STP 44	07 Willamette Falls BHL 8-1	08 Pickwick Prototype STP 46	09 Wheeler Prototype STP 46	10 Wilson Prototype STP 46	11 Ohio R 41 Prototype STP 46	12 Guntersville Prototype STP 46	13 Montgomery Is Prototype STP 46	14 Mac Arthur STP 48	15 Miss R 2 STP 49	16 St Anthony Falls Intr Gate (Lwr) STP 51	17 Lock Hydraulic Systems STP 52	18 McNary Tainter Valve TM 2-282	19 Pearl R B'fly Valves TM 2-313	20 Algiers TM 2-309
16000 OUTLET SYSTEM (Cont)																				
16300 Approach		B			B	VCSI	TQVC BSIZ	TB	B	B		B	B	TOQH CBS						
16310 Channel type																				
16320 Channel length																				
16330 Guide/guard walls																				
16340 Energy dissipator															C					
16350 Baffles																				
16360 Noted items						C														
16400 Operation																				
16410 Type																				
16420 Valves used																				
16430 Valve schedule					TQS		QVIZ							TOQ HSI		THS				
16440 Initial chamber el	I						TOQH VSIZ	VI						QIZL						
16450 Initial tw el							TOQH VIZ													
16460 Noted items	CBI	BI																		
NOTED ITEMS																				
11170 Intake system approach						Guard wall details														
11244 Intake manifold ports																				
11370 Intake trans conduit																				
11460 Intake system operation																				
12170 Filling valve																			Valve leaf defl	Gate lip
12290 Fill valve flow passage																				
12380 Fill valve operation																			Incl proto data	
13170 Culvert	Roof vents				Roof vents				Roof vents	Roof vents					Loop culv vs side ports					
13229 Manifold br lats, longs																				
13236 Manifold transitions																				
13244 Manifold ports															Side port locations			Angular vs rounded ports		
13370 Culv-cham man operation	Roof vents																			
14180 Lock chamber features						Fill with sub intr gate									Loop culvert floor diffuser					Sect gate recess
14214 Tow in lock chamber							Lat position of tow													
14290 Lock chamber operation														Miter gate hays open						
15170 Emptying valve																				
15290 Empty valve flow passage																				
15360 Empty valve operation	Blkhd slots	Bulkhead slots																		
16170 Outlet trans conduit																				
16260 Outlet manifold		Air vents																		
16360 Outlet system approach						Guard wall details														
16460 Outlet system operation	Blkhd slot	Bulkhead slots																		
X Other types of data													Gate & valve leakage			Gate & valve leakage				


21 New Cumberland
STP 56
22 Cheatham Emergency Dam TN 2-358
23 Miss Aux Locks
STP 59
24 McNary
BHL 26-1
25 McNary Prototype MP 2-146
26 New Cumberland Supplement STP 56S
27 Calumet
TR 2-497
28 Port Allen
TR 2-500
29 W F George Outlet TR 2-519
30 Greenup Emergency Gate TR 2-527
31 Chain of Rocks
STP 64
32 Jackson
STP 68
33 St Anthony Falls Tntr Gate (Uppr) STP 69
34 Old River
TR 2-549
35 McNary Prototype Valve TR 2-552
36 W G Stone (Sacramento R) TR 2-556
37 New Poe
TR 2-561
38 Intake Manifolds
STP 70
39 Miss R 19 Tainter Valves TR 2-537
40 Eisenhower and Snell STP 71
41 Dardanelle Intake TR 2-573
42 W F George
STP 73
43 Greenup and Markland STP 74
44 Miss R 19 (600)
STP 65
45 Panama Canal Gate seals BHL 111-1
16000
16300 HB CB VCB BW HVSI TOHV CSI CB THVI VBWI BSI
16310
16320
16330 VI
16340 BW VBW TOQH VCBS VBWI CB B
16350 BW V
16360 VBW
16400
16410
16420 TH TOZ VBWI QL
16430 TQH IZL V THZ TZ
16440 CB QIZL VIZ I QZL VIZ T2
16450 CB THZ Z IZ
16460 V H
11170 Floor elevation Guard wall details Sill modification Old dry dock sill
11244
11370
11460 Upstr lock gate lowered Cross flow to spillway Spillway flow
12170 Valve shape Top seal gap
12290 Water vent Loop culvert
12380 Varied discharge
13170 Roof vents
13229 Short culv thru sill
13236
13244 Extensions & angles Port ext Port ext
13370 Roof vents
14180 Miter gate sill Culv gate & lockseal gate
14214 Ships in approach
14290 Air vents Lift gate position Operate sub tntr gate
15170 Valve shape
15290
15360 Bulkhead slots
16170 Sill culv & trans trench
16260
16360 Divider wall in basin
16460 Tow in channel Tow in approach
X Air demand Air bubbles Air demand

(27) PROJECT AND REPORT DESIGN AND OPERATIONAL VARIABLES	46 Miss R 19 (1200)	47 STP 66 Barkley STP 75	48 McAlpine Prototype MP 2-622	49 Niter Gate Force TR 2-651	50 St Anthony Falls STP 76	51 Jonesville TR 2-678	52 The Dalles BHL 56-1	53 Jackson Prototype TR 2-685	54 Barkley Outlet and Gate TR 2-689	55 Holt TR 2-698	56 Culvert Outlet Basin MP 2-794	57 Cannelton TR 2-713	58 Millers Ferry and Jones Bluff TR 2-718	59 Greenup Prototype TR 2-734	60 Cordell Hull TR 2-739	61 Ark R Low-Lift TR 2-743	62 McAlpine TR 2-778	63 Newburgh Valve Position TR H-68-4	64 Dardanelle TR H-69-5	65 Bayou Boeuf Sector Gate TR H-70-2
16000 OUTLET SYSTEM (Cont)																				
16300 Approach	HCB	VCI			TVI		TOHV CWSI													
16310 Channel type																				
16320 Channel length																				
16330 Guide/guard walls					IZ															
16340 Energy dissipator	THCB	C							CBWS		SL									
16350 Baffles					IZ															
16360 Noted items																				
16400 Operation																				
16410 Type																				
16420 Valves used	THB				TVI		TH													
16430 Valve schedule	TOH BSZ	TVCIZ			TOQHZ															
16440 Initial chamber el		VCIZ							C							Z				
16450 Initial tw el		C			Z		TOHWS		CBW							Z				
16460 Noted items									CBW		SL									
NOTED ITEMS																				
11170 Intake system approach																				
11244 Intake manifold ports																				
11370 Intake trans conduit																				
11460 Intake system operation	Upstr lock gate lowered				Spillway flow in prototype									Includes model data						
12170 Filling valve		Top seal gap								Water in gate leaf										Framing & seal
12290 Fill valve flow passage																			Water vent	
12380 Fill valve operation										Varied discharge				Includes model data					Water vent	
13170 Culvert																	3-7 vents	Upstr location		
13229 Manifold br lats, longs										Interior port deflector										
13236 Manifold transitions													Cross culvert						Crossover entrance	
13244 Manifold ports		Port extensions			Port extensions					Port ext; sill		Int angle & re-cess	Interior deflector			Port angles & spacing				
13370 Culv-cham man operation	Upstr lock gate lowered													Includes model data			Proto fill curves			
14180 Lock chamber features	Combined 800/350 lock			Chamber length			Sill location													
14214 Tow in lock chamber	Tie btwn barges						Rigid & cable connections													
14290 Lock chamber operation	Operate upstr gate			Incl proto data	Fill with intr gate		Upstr gate; stop logs													
15170 Emptying valve	Rounded lip																			
15290 Empty valve flow passage														90-deg bend						
15360 Empty valve operation	Stop log slots				Bulkhead slots									Includes model data						
16170 Outlet trans conduit																				
16260 Outlet manifold																				
16360 Outlet system approach																				
16460 Outlet system operation											Spwy & pwr discharge		River velocity							
X Other types of data			Elect power																	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(28)
Calcasieu Prototype Gate MP H-71-4
Bankhead TR H-72-6
Ice Harbor BHL 32-1
John Day BHL 98-1
Lower Monumental Intake and Valve BHL 105-1
Barkley Prototype TR H-75-11
Sidewall Port System MP H-75-7
Little Goose BHL 115-1
Trinity River TR H-77-7
Bay Springs Canal TR H-78-9
Miss R 26 Prototype MP H-78-10
Miss R/Gulf Out TR H-78-16
Bay Springs TR H-78-19
Lower Granite BHL 126-1
Miss R 1 TR HL-79-21
Bankhead Prototype TR HL-80-13
Arkansas R 17 Canal TR HL-80-17
Culvert Valve Losses TR HL-81-10
H M Chittenden Gate BHL 194-1
W Bouldin Lock; Coosa R Valves TR HL-84-8
John Day Prototype (In preparation)
16000
16300
16310
16320
16330
16340
16350
16360
16400
16410
16420
16430
16440
16450
16460
11170
11244
11370
11460
12170
12290
12380
13170
13229
13236
13244
13370
14180
14214
14290
15170
15290
15360
16170
16260
16360
16460
X
T
DVC
BW
TBWS
B
HWS
Z
H
TOP
D
VC
TBZ
TQHPF
THP
THWS
TZ
Sill position
Distance to sill
Culverts on river side
Multiple lockage
Spwy flow
Spillway flow
Powerhouse discharge
Pier nose
Canal dimensions
Trunnion load
Expansion location
Includes proto data
Equalizing port
Stepped width
End spltr
"Roof" overhang
Angled ports
Port lngth
Port deflectors
Steady flow discharge
Rvrs head
Reservoir evacuation
Hawser type
Lift gate oper
Lift gate operation
Valve location
Air vents
Blkhd slots
Blkhd down
See outlet in BHL 22-1
Cofferdam
Dam discharge
Air demand

Table 2

Lock Hydraulic System Detailed

Test Data Listings

The two-digit numbers at the top of each page correspond to the report column numbers in Table 1. The LINE NO.'S in the headings of the listings correspond to those 251 numbers assigned to the design and operation variables. The TYPE OF DATA symbols correspond to those given for Table 1 (listed in paragraph 4). The FORMAT symbols are:

T - numbered table

P - numbered photograph

D - numbered drawings (plates)

F - numbered figures (covers all illustrations in St. Paul District reports)

W - text paragraph (or page if unnumbered paragraphs) containing information not indicated by the tables, photographs, drawings, or figures

The LOCATION IN REPORT numbers and letters are those of the pertinent tables, photographs, drawings, figures and/or paragraphs in that particular report.

SORTED DATA FILE NO E01SP019
DATE 10/15/85
PROJECT: PICKWICK
DETAIL:
REPORT: STP 19
MISC:
ENTRIES 275

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
11200	I	F	10,11,12,16
11240	I	F	10,11,12,16
11300	T	F	18
	Q	F	19,20
	Z	F	18,41,44,45,46,47
	L	F	19,20
11450	T	F	18
	Q	F	19,20
	I	F	10,11
	Z	F	18
	L	F	19,20
12110	S	F	29
	I	F	21,22,23,24,26,26,27,28,30,31
			32
	Z	F	30,31,32
12200	D	W	24
	S	F	29
	I	F	21,22,23,24,26,26,27,28,30,31
			32
		W	24
	Z	F	30,31,32
12230	T	F	72
	D	W	24
	I	W	24
12270	S	F	29
	I	F	30,31,32
	Z	F	30,31,32
12280	I	F	30,31,32
	Z	F	30,31,32
12330	T	F	72
	D	W	24
	S	F	29
	I	W	24
12350	I	F	21,22,23,24,26,26,27,28
12370	I	F	30,31,32
	Z	F	30,31,32
13100	Q	F	54,55
	V	F	54,55
	Z	F	41,42,43,44,45,46,47,48,49
13170	I	F	36,37,38
13200	D	W	19
	I	F	58,59,60,65,66,67,68,69
	Z	F	41,42,43,44,45,46,47,48,49
13240	Q	F	52,54,55,63,75
	V	F	51,54,55
	I	F	50,51,56,57,58,59,60,65,66,67
13241	J	F	68,69,75,76,77
	I	F	63,75
13265	Q	F	69
	V	F	54,55
	Z	F	54,55
13330	I	F	37
13340	Q	F	54,55
	V	F	54,55
13350	Q	F	52,54,55
	V	F	54,55
	I	F	65,66,67,68
	Z	F	41,42,43,44,45,46,47,48,49
13370	I	F	36,37,38
14000	T	F	70,71,72
	Q	F	70
		F	74
		W	19,24,25
	C	W	73
	I	W	24
	Z	F	41,42,43,44,45,46,47,48,49
14212	D	F	74
		W	19,24,25
	I	W	24
14230		W	25
14240	D	F	71,72
	I	W	24
	S	W	24
15100		W	26
	I	W	27
15110		F	33,34
	I	F	33,34
15200		F	33,34
	Z	F	33,34
15270	I	F	33,34
	Z	F	33,34
15280		F	87
	S	F	85,86,87
	I	F	33,34,82,84,88
	Z	F	33,34
15360	I	F	33,34
	Z	F	33,34
16200	T	F	79,80,81,82,83,84
		W	27
16230	C	F	87
	B	F	85,86,87
		W	26
	I	F	79,80,81,82,83,84,88
16231		F	79,80
16241	I	F	88
16252	I	F	80,81,82
16440	I	F	83,84
16460	I	F	87
	CB	F	85,86,87
	I	F	82,84,88

Table 2

SORTED DATA FILE NO E02SP021
DATE 10/15/85
PROJECT: GUNTERSVILLE
DETAIL:
REPORT: STP 21
MISC:
ENTRIES 254

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11240	I	F	10,12
11300	T	F	15
	Q	F	14
	S	F	15
	Z	F	15,22,23,27,28,29,30,31,33,34
	L	F	14
11430	Z	F	22,23,27,28,29,30,31,33,34
11450	T	F	15
	Q	F	14
	S	F	15
	I	F	10
	Z	F	15
	L	F	14
12000	I	F	19
12110	B	U	14
	I	F	16,17,18,19
12200	I	F	16,17,18
	Z	F	22,23,27,28,29,30,31,33,34
12280	I	F	16,17,18,19
12330	Z	F	22,23,27,28,29,30,31,33,34
13100	Z	F	22,23,24,25,26,27,28,29,30,31 32,33,34
13200	D	U	16
	Z	F	22,23,24,25,26,27,28,29,30,31 32,33,34
13240	V	F	36,37
	I	F	36,37
	Z	F	22,23,24,25,26,27,28,29,30,31 32,33,34
13241	T	F	15,41,42,43
	Q	F	41,42,43
	S	F	15,41,42,43
	I	F	40
	Z	F	15
13250	T	F	41,42,43
	Q	F	41,42,43
	S	F	41,42,43
	I	F	40
13251	Q	F	39,39
	L	F	39,39
13260	T	F	41,42,43
	Q	F	41,42,43
	S	F	41,42,43
	I	F	40
13261	Q	F	39
	L	F	39
13262	Q	F	39
	L	F	39
13330	T	F	41,42,43
	Q	F	41,42,43
	S	F	41,42,43
	Z	F	22,23,24,25,26,27,28,29,30,31 32,33,34
13350	Q	F	39
	L	F	39
14000	T	F	15,41,42,43
	Q	F	41,42,43
	D	U	16
	B	U	14
	S	F	15,41,42,43
	Z	F	15,22,23,24,25,26,27,28,29,30 31,32,33,34
14210	D	U	16
14240	T	F	41,42,43
	Q	F	41,42,43
	S	F	41,42,43
	Z	F	22,23,24,25,26,27,28,29,30,31 32,33,34
15110	I	F	20,21
15200	I	F	20,21
	Z	F	24,25,26,32
15280	B	F	48,49
	I	F	20,21,46,47
15330	Z	F	24,25,26,32
15360	B	F	48,49
	I	F	46,47
16230	B	F	48,49
	I	F	46,47
16260	I	U	23
16300	B	F	48,49
16460	B	F	48,49
	I	F	46,47

Table 2

SORTED DATA FILE NO E03SP027
DATE 10/15/85
PROJECT: WATTS BAR
DETAIL:
REPORT: STP 27
MISC:
ENTRIES 103

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11240	I	F	25
12100	I	F	27
12200	I	F	27
12280	I	F	37
12370	I	F	37
13100	T	F	14,15,16,17,18,19,20
	Q	F	14,15,16,17,18,19,20,21,22
	S	F	15,16
13200	Q	F	21,22
13241	T	T	11
		F	14,15,16,17,18,19,20
	Q	T	11
		F	14,15,16,17,18,19,20
	S	F	15,16
13330	T	T	11
		F	14,15,16,17,18,19,20
	Q	T	11
		F	14,15,16,17,18,19,20,21,22
	S	F	15,16
14000	T	T	11
		F	14,15,16,17,18,19,20
	Q	T	11
		F	14,15,16,17,18,19,20,21,22
	S	F	15,16
14240	T	T	21
		F	14,15,16,17,18,19,20
	Q	T	21
		F	14,15,16,17,18,19,20,21,22
	S	F	15,16

Table 2

SORTED DATA FILE NO E04SP028
DATE 10/15/85
PROJECT: CHICAMAUGA
DETAIL:
REPORT: STP 28
MISC:
ENTRIES 214

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
13240	Q	F	19
	L	F	19
13241	T	T	21
		F	13,14,15,16,17,18,19,20
	Q	T	21
		F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
13250	Q	F	22,23
13330	T	T	11
		F	13,14,15,16,17,18,19,20
	Q	T	31
		F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
13340	T	F	13,14,15,16,17,18,19,20
	Q	F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
13350	T	F	13,14,15,16,17,18,19,20
	Q	F	13,14,15,16,17,18,19,21,22,23
			9
	S	F	13,14,15,16,17,18,19
	L	F	19
14000	T	T	31
		F	13,14,15,16,17,18,19,20
	Q	T	21
		F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
14240	T	T	11
		F	13,14,15,16,17,18,19,20
	Q	T	11
		F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
14250	T	F	13,14,15,16,17,18,19,20
	Q	F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19
14260	T	F	13,14,15,16,17,18,19,20
	Q	F	13,14,15,16,17,18,19,21,22,23
	S	F	13,14,15,16,17,18,19

Table 2

SORTED DATA FILE NO E05SP034
DATE 10/15/85
PROJECT: WHEELER
DETAIL:
REPORT: STP 34
MISC:
ENTRIES 224

LINE NO.	TYPE OF DATA	EOR?	LOCATION IN REPORT
11150	C	F	32
11200	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	S	T	5,7
		F	12,13,14
	I	F	31
11240	IC	F	32
	IT	F	31
11430	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	S	T	5,7
		F	12,13,14
12110	I	F	38,39
12200	IZ	F	38,39
		F	16,17,18,19,34
13100	Z	F	16,17,18,19,20,21,22,34,35
13170	S	F	40,41
13200	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15,43,44
	QV	F	33,36
	QB	F	23,24,25,26,27
	S	T	5,7
		F	12,13,14
	IZ	F	33,36
	IZQ	F	16,17,18,19,20,21,22,34,35
13240		F	45
	IV	F	33,36,37
	IVT	F	33,36,37,46
13330	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	S	T	5,7
		F	12,13,14
13350	V	F	33,36
	VI	F	33,36
14000	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15,43,44
	QB	F	23,24,25,26,27
	S	T	5,7
		F	12,13,14
	Z	F	16,17,18,19,20,21,22,34,35
14240	ZT	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	S	T	5,7
		F	12,13,14
15110	I	F	42
15200	IZ	F	42
	IZ	F	20,21,22,35
16100	ZT	F	20,21,22,35
16200	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	QB	F	28,29,30
	S	T	5,7
		F	12,13,14
16300	BT	F	28,29,30
16430	T	T	5,6,7,8
		F	12,13,14,15
	Q	F	12,13,14,15
	S	T	5,7
		F	12,13,14

Table 2

SORTED DATA FILE NO E0GSP044
DATE 10/15/85
PROJECT: ST. ANTHONY FALLS
DETAIL: APPROACH
REPORT: STP 44
MISC:
ENTRIES 21

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11100	V	F	65,67
	C	F	69,71
	S	F	72
	I	F	67
11170	C	F	69
13242	C	F	63
14000	C	F	63,64
	B	F	64
14130	C	F	64
	B	F	64
16300	V	F	66,68
	C	F	70,71
	S	F	72
	I	F	66,68
16360	C	F	70

Table 2

SORTED DATA FILE NO E07808-1
DATE 10/15/85
PROJECT: WILLAMETTE FALLS
DETAIL:
REPORT: BHL 8-1
MISC:
ENTRIES 1292

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11100	T	D	8,9,12,49
	O	D	8,9,12
	U	D	50
	C	P	83,84
	S	D	8,9,12,49,50
	M	D	8,9,12
11200	Q	D	7,11,14,17,23
	U	D	11,14,17
	I	D	7,11,14,17,23
	Z	T	A,B,C,D,E
		D	7,11,14,17,23
11240	Q	DP	7
	C	P	21
	I	P	20
		D	7
	Z	D	7
11430	T	D	49
	O	D	7
	U	D	50
	S	D	49,50
	I	D	7
	Z	D	7
11440	T	D	49
	O	D	7
	U	D	50
	C	P	83,84
	S	D	49,50
	I	D	7
	Z	D	7
11450	T	D	49
	O	D	7
	U	D	50
	S	D	49,50
	I	D	7
	Z	D	7
12100	Q	D	7,11,14,17,23
	U	D	11,14,17
	I	DT	7,11,14,17,23
	Z	T	A,B,C,D,E
		D	7,11,14,17,23
12200	Q	DD	7,11,14,17,23
	U	DD	11,14,17
	I	DT	7,11,14,17,23
	Z	T	A,B,C,D,E
		D	7,11,14,17,23
12330	Q	D	7,11,14,17,23
	U	D	11,14,17
	I	DT	7,11,14,17,23
	Z	DT	A,B,C,D,E
		D	7,11,14,17,23
12340	Q	DD	7,11,14,17,23
	U	DD	11,14,17
	I	DDT	7,11,14,17,23
	Z	DDT	7,11,14,17,23
12350	T	DT	F
	O	DT	7,11,14,17,23
	U	DT	11,14,17
	B	DT	F
	I	DT	7,11,14,17,23
	Z	DT	A,B,C,D,E
		DT	7,11,14,17,23
	M	TT	F
13100	T	T	F
		D	12,15,16,18,19,20,21,24,25,26 27,28,29,33,48
	O	D	12,15,16,18,19,20,21,24,25,26 27,28,33,48
	Q	D	11,14,17,23,32
	U	DP	11,14,17,32
	C	PT	54
	B	TP	F
	S	D	25,28,30,33,35,37,40,41,42,43 44,45
	I	DT	12,15,16,18,19,20,21,24,25,26 27,28,48
	Z	DT	11,14,17,23,32
	M	DT	B,C,D,E,I
		D	11,14,17,23,32
	H	DT	F,G
		D	12,15,16,18,19,20,21,24,25,26 27,28,29,33
13200	T	D	31,35,45
	O	DD	31,35,45
	Q	DD	30,34,38
	U	DP	30,34,38
	B	PP	40,41,42,43,44,45
	S	PD	45
	I	DT	30,34,38
	Z	DT	E,H,J,K
		DT	30,34,38
	H	T	G
		DT	31,35
13220	T	DT	F
	O	DD	8,9,12,33
	Q	DD	8,9,12,33
	U	DD	7,11,32
	B	DT	11,32
		TP	F
	S	DD	25
	I	DT	8,9,12
	Z	DT	7,11,32
	M	DT	A,B,I
	H	T	7,11,32
		T	F

		D	8,9,12,33
13231	T	T	F
		D	18,19,20,21
	O	D	18,19,20,21
	Q	D	17
	U	D	17
	B	T	F
		P	33,35,37
	S	D	18,19,20,21
	I	D	17
	Z	T	D
		D	17
	H	T	F
		D	18,19,20,21
13240	T	T	F
		D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,29,48
	O	D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,48
	Q	D	11,14,17,23
	U	D	11,14,17
	C	P	54,62
	B	T	F
		P	28,30,33,35,37,40,41,42,43,44 45
	S	D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,48
	I	D	11,14,17,23
	Z	T	C,D,E
		D	11,14,17,23
	H	T	F,G
		D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,29
13243	T	T	F
		D	18,19
	O	D	18,19
	Q	D	17
	U	D	17,37
	B	T	F
		P	35,37
	S	D	18,19
	I	D	17,37
	Z	D	17
	H	T	F
		D	18,19
13265	T	D	18,21,24,25
	O	D	18,21,24,25
	Q	D	17,23
	U	D	17
	S	D	18,21,24,25
	I	D	17,23
	Z	D	17,23
	H	D	18,21,24,25
13320	T	D	28
	O	D	28
	S	D	28
	H	T	G
		D	28

13330	T	D	27,48
	O	D	27,48
	Q	D	7,11,14,17,23,30,32,34,38
	U	D	11,14,17,30,32,34,38
	B	P	40,42
	S	D	27,48
	I	D	7,11,14,17,23,30,32,34,38
	Z	T	A,B,C,D,E
		D	7,11,14,17,23,30,32,34,38
	H	T	G
		D	27
13340	T	D	8,9,12,15,16,18,19,20,21,24,25 29,48
	O	D	8,9,12,15,16,18,19,20,21,24,25 48
	Q	D	7,11,14,17,23
	U	D	11,14,17,37
	S	D	8,9,12,15,16,18,19,20,21,24,25 48
	I	D	7,11,14,17,23,37
	Z	D	7,11,14,17,23
	H	T	G
		D	8,9,12,15,16,18,19,20,21,24,25 29
13350	T	D	8,9,12,15,16,18,19,20,21,24,25 29,31,33,35,45,48
	O	D	8,9,12,15,16,18,19,20,21,24,25 31,33,35,45,48
	Q	D	7,11,14,17,23,30,32,34,38
	U	D	11,14,17,30,32,34,38
	S	D	8,9,12,15,16,18,19,20,21,24,25 45,48
	I	D	7,11,14,17,23,30,32,34,38
	Z	T	A,B,C,D,E
		D	7,11,14,17,23,30,32,34,38
	H	T	G
		D	8,9,12,15,16,18,19,20,21,24,25 29,31,33,35
13360	T	D	31,33,35
	O	D	31,33,35
	Q	D	30,32,34
	U	D	30,32,34
	I	D	30,32,34
	Z	D	30,32,34
	H	D	31,33,35
14000	T	D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,29,31,35,45,48
	O	D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,31,35,45,48
	C	P	54,62
	B	P	26,28,30,33,35,37,40,41,42,43 44,45
	S	D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,45,48
	Z	T	E
	H	T	G
		D	8,9,12,15,16,18,19,20,21,24,25 26,27,28,29,31,35

Table 2

14130		F	9,21,24,25,26,27,28,29,48	
			9,21,24,25,26,27,28,48	
			23	
		F	40,41,42,43,44,45	
			9,21,24,25,26,27,28,48	
			23	
		E	23	
14211		F,G	9,21,24,25,26,27,28,29	14200
			8,9,12,15,18,19,20,21,26	
			8,9,12,15,18,19,20,21,26	
			8,9,12,15,18,19,20,21,26	
14212		G	8,9,12,15,18,19,20,21,26	15100
			8,9,12,15,18,19,20,21,26,28	
			8,9,12,15,18,19,20,21,26,28	
			8,9,12,15,18,19,20,21,26,28	
14213		G	8,9,12,15,18,19,20,21,26,28	15200
			29	
14214		G	29	15330
			28	
			28	
14230		G	28	15340
			28	
			28	
14240		G	28	15350
			27,48	
			27,48	
		G	27,48	
14250		G	27	16200
			9,21,24,25,29,48	
			9,21,24,25,48	
			23	
			9,21,24,25,48	
			23	
		G	23	
14260			9,21,24,25,29	16230
		F	9,21,24,25,29,48	
			9,21,24,25,48	
			23	
		F	9,21,24,25,48	16250
			23	
			23	
		F,G	9,21,24,25,29	
			9,21,24,25,29	
			23	
		F	21,24,25,29	
			21,24,25	
			23	
		F	21,24,25	
			23	
			23	
		F,G	21,24,25,29	
			30,32,34,38	
			30,32,34,38	
			30,32,34,38	
			H,I,J,K	
			30,32,34,38	
			30,32,34,38	
			30,32,34,38	
			H,I,J,K	
			30,32,34,38	
			30,32,34,38	
			30,32,34,38	
			H,I,J,K	
			30,32,34,38	
			30,32,34,38	
			30,32,34,38	
			K	
			30,32,34,38	
			30,32,34	
			30,32,34	
			30,32,34	
			H,I,J	
			30,32,34	
			33,35,45	
			33,35,45	
			32,34,38	
			32,34,38	
			45	
			32,34,38	
			I,J,K	
			32,34,38	
			33,35	
			32,34,38	
			32,34,38	
			55	
			32,34,38	
			32,34,38	
			31	
			31	
			30	
			30,50,51,58	
			50	
			30	
			H	
			30	

Table 2

07 4 of 4

```
16300  H NCCO4H
       NHSCCO4 NHCCN NHSCCO4H
       31
       46
       30,47
       50,51,58
       55,47
       46,47
       60
       30
16430  30,32,34,38
       30,32,34,38
       30,32,34,38
       H,I,J,K,34,38
16440  30,32,34,38,45,46
       31,33,35,45,46
       31,33,35,45
       30,32,34,38
       30,32,34,38,47
       45,46,47
       30,32,34,38
       K
16450  30,32,34,38
       31,33,35
       31,33,35
       31,33,35
       30,32,34
       30,32,34
       30,32,34
       H,I,J
       30,32,34
       31,33,35
```

SORTED DATA FILE NO E08SP46A
DATE 10/15/85
PROJECT: PICKWICK
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 174

LINE NO.	TYPE OF DATA	EDITED	LOCATION IN REPORT
11200	V	F	54
	I	F	54
11240	V	F	54
	I	F	54
11300	T	F	28
	Z	T	14
		F	28,30
12100	Q	F	55
12150	T	F	53
12330	T	F	53
	Q	F	55
12350	Q	F	55
13100	T	F	28,29,32,33
	Q	F	34
	S	F	33
	I	F	56,57
	Z	T	44
		F	28,29,30,31,32,33,56,57
	L	F	34
13200	T	F	28,29,35,36,41,42,47-49
	O	F	35,36,41,42,173,47-49
	Q	F	41,42,55
	V	F	35,36,37,38
	C	F	46
	B	F	47-49
	S	F	41,42
	I	F	37,38,56,57
	Z	T	4
		F	28,29,30,31,56,57
13240	T	F	35,36
	O	F	35,36
	V	F	35,36,37,38
	I	F	37,38
	Z	T	2,3,4
13330	T	F	41,42
	O	F	41,42
	Q	F	41,42
	S	F	41,42
13340	T	F	41,42
	O	F	41,42
	Q	F	41,42
	S	F	41,42
13350	Q	F	55
	V	F	37,38
	I	F	37,38,56,57
	Z	F	56,57
14000	T	F	28,29,32,33,41,42,47-49
	O	F	41,42,173,47-49
	Q	F	41,42,55
	V	F	44,45
	C	F	44,45,46
	B	F	47-49
	S	F	33,41,42
	Z	F	28,29,30,31,32,33
14240	T	F	41,42
	O	F	41,42
	Q	F	41,42
	S	F	41,42
14250	T	F	41,42
	O	F	41,42
	Q	F	41,42
	S	F	41,42
14260	Q	F	55
15150	T	F	53
15330	T	F	53
16200	T	F	39,50,51
	O	F	39
	V	F	39,40
	B	F	50,51,52
	I	F	40
16230	T	F	39
	O	F	39
	V	F	39,40
	I	F	40
16300	T	F	50,51
	B	F	50,51,52
16440	V	F	40
	I	F	40

Table 2

SORTED DATA FILE NO E09SP46B
DATE 10/15/85
PROJECT: WHEELER
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 69

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11200	Q	F	79
13170	S	F	78
13200	T	F	65,66,68,69
	O	F	65,66,68,69,173
	Q	F	65,66,79
	V	F	68,69,70,71
	B	F	72-74
	S	F	65,66
	I	F	68,69,70,71
13240	T	F	68,69
	O	F	68,69
	V	F	68,69,71,70
	I	F	68,69,71,70
13350	Q	F	79
	V	F	70,71
	I	F	70,71
14000	T	F	65,66,68,69
	O	F	65,66,68,69,173
	Q	F	65,66,79
	V	F	68,69
	B	F	72-74
	S	F	65,66
	I	F	68,69
14260	Q	F	79
16200	Q	F	79
	B	F	75,76,77
16300	B	F	75,76,77

Table 2

SORTED DATA FILE NO E10SP46C
DATE 10/15/85
PROJECT: WILSON
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 57

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
11200	Q	F	94
13170	B	F	93
13200	T	F	83,84,85,86
	O	W	57
	Q	F	83,84,94
	V	F	85,86,87,88
	B	F	89-90,91-92
	S	F	83,84
	I	F	85,86,87,88
13240	T	F	85,86
	V	F	85,86,88,87
	I	F	85,86,87,88
13350	Q	F	94
	V	F	87,88
	I	F	87,88
14000	T	F	83,84,85,86
	O	W	72-57
	Q	F	83,94,84
	V	F	86,85
	B	F	89-90,91-92
	S	F	83,84
	I	F	85,86
14260	Q	F	94
16200	Q	F	94
	B	F	93
16300	B	F	93

Table 2

SORTED DATA FILE NO E11SP46D
DATE 10/15/85
PROJECT: OHIO R 41
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 49

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11100	O	U	72-63
	S	U	63
11200	Q	F	104
13200	T	F	96,97,99,98
	Q	F	96,97,104
	U	F	98,99,100,101
	B	F	102,103
	S	F	96,97
	I	F	99,100,101,98
13240	T	F	98,99
	U	F	99,100,101,98
	I	F	98,99,100,101
13350	Q	F	104
	U	F	100,101
	I	F	100,101
14000	T	F	96,97
	O	U	91-63
	Q	F	96,104,97
	B	F	102,103
	S	F	96,97
		U	89-63
14260	Q	F	104

Table 2

Table 2

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SORTED DATA FILE NO E12SP40E
DATE 10/15/85
PROJECT: GUNTERSVILLE
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 148

LINE NO.	TYPE OF DATA	EOEDAT	LOCATION_IN_REPORT					
11200		F	119					121,122,130
		F	91119					132,133,134-135
		F	119,140					134-135,136-137
		F	111,112			16230		119,120
		F	119					130
		F	111		14260			114,115
11240		F	112,111		16200			140
		F	111					120,128,129
11300		F	114			16300		120,128,129
		F	114					120,140
		F	117,118					130
		T	72-68					138,139
		F	114,117,141					120
		F	117,118					47130
11450		F	141					128,129
12200		F	141					128,129
12350		F	141					128,129
13100		F	114,115					130
		F	114					130
		T	68					128,129
13200		F	114,115,116,141					138,139
		F	114,115,119,120,121,122,123					
		F	114,119,120,121,122,123,173					
		F	119,120,140					
		F	122,123,124,125,121					
		F	132,133,134-135					
		F	134-135,136-137					
		F	119,120					
		F	124,125					
		T	108					
		F	114,115,116,141					
13240		F	121,122,123					
		F	121,122,123					
		F	127					
		F	121,122,123,124,125					
		T	124,125					
		F	98					
		T	126					
		F	126					
13350		F	140					
		F	124,125,130					
		F	124,125,130					
		F	116,141					
14000		F	114,119,120,121,122,115					
		F	120,121,122,173,114,119					
		F	119,120,140					

SORTED DATA FILE NO E13SP46F
DATE 10/15/85
PROJECT: MONTGOMERY IS
DETAIL: PROTOTYPE
REPORT: STP 46
MISC:
ENTRIES 111

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11200	Q	F	162
12100	X	U	101
13200	T	F	142,143,144,145,146,147,148 149
	O	F	142,143,173
	Q	F	142,143,162
	U	F	144,145,146,147,148,149,150 151,152,153,165,166,167,168 170-171
	C	F	154,155
	B	F	156,157-158,159-160
	S	F	142,143
	I	F	150,151,152,153,169
13240	T	F	144,145,146,147,148,149
	U	F	144,145,146,147,148,149,150 151,152,153,165,166,167,168 170-171
	I	F	150,151,152,153,169
13350	Q	F	162
	U	F	150,151,152,153
	I	F	150,151,152,153
14000	T	F	142,143,144,145,146,147,148 149
	O	F	142,143,173
	Q	F	142,143,162
	U	F	144,145,146,147,148,149
	C	F	154,155
	B	F	156,157-158,159-160
	S	F	142,143
14140	X	U	101
14260	Q	F	162
15100	X	U	101
16200	Q	F	162
	B	F	161
16300	B	F	161

SORTED DATA FILE NO E14SP048
DATE 10/15/85
PROJECT: MAC ARTHUR
DETAIL:
REPORT: STP 48
MISC:
ENTRIES 685

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11100	T	F	36,37,38,39,40,41,42,43,44
	O	F	36,37,38,39,40,41,42,43,44
	Q	F	36,37,38,39,40,41,42,43,44
	S	F	36,37,38,39,40,41,42,43,44
	H	F	36,37,38,39,40,41,42,43,44
11150	C	F	8
11200	C	F	8
	I	F	7
11240	I	F	7
11300	Z	F	45,47
11430	T	F	36,37,38,39,40,41,42,43,44
	O	F	36,37,38,39,40,41,42,43,44
	Q	F	36,37,38,39,40,41,42,43,44
	S	F	36,37,38,39,40,41,42,43,44
	I	F	7
	H	F	36,37,38,39,40,41,42,43,44
11450	Z	F	47
12100	F	F	51
12150	F	F	51
12200	Z	F	45,47
12330	F	F	51
12350	Z	F	47
13100	Z	F	45,46,47,48
13200	T	F	36,37,38,39,40,41,42,43,44,52 53,54
	O	F	36,37,38,39,40,41,42,43,44,52 53,54
	Q	F	36,37,38,39,40,41,42,43,44,52 53,54
	S	F	36,37,38,39,40,41,42,43,44,52 53,54
	Z	F	45,46,47,48
	H	F	36,37,38,39,40,41,42,43,44
13220	C	F	26,27
	I	F	10,11,12,18,19,20,21,22,23,24 25
13222	I	F	11,12
13240	C	F	26,27
	I	F	18,19,20,21,22,23,24,25
13330	T	F	36,37,38,39,40,41,42,43,44,52 53,54
	O	F	36,37,38,39,40,41,42,43,44,52 53,54
	Q	F	36,37,38,39,40,41,42,43,44,52 53,54
	S	F	36,37,38,39,40,41,42,43,44,52
13350			
14000			
14211			
14213			
14240			
14260			
14290			
15100			
15150			
15200			
15330			
15340			
16200			
16230			

		53,54
I	F	10,18
H	F	36,37,38,39,40,41,42,43,44
I	F	11,12,21,22,23,24
Z	F	47,48
T	F	34,35,36,37,38,39,40,41,42,43 44,52,53,54
O	F	36,37,38,39,40,41,42,43,44,52 53,54
Q	F	36,37,38,39,40,41,42,43,44,52 53,54
C	F	26,27
S	F	36,37,38,39,40,41,42,43,44,52 53,54
H	F	36,37,38,39,40,41,42,43,44
T	F	36,37,38,39,40,41,42,43,44
O	F	36,37,38,39,40,41,42,43,44
Q	F	36,37,38,39,40,41,42,43,44
S	F	36,37,38,39,40,41,42,43,44
H	F	36,37,38,39,40,41,42,43,44
T	F	34,35,36,37,38,39,40,41,42,43 44
O	F	36,37,38,39,40,41,42,43,44
Q	F	36,37,38,39,40,41,42,43,44
S	F	36,37,38,39,40,41,42,43,44
H	F	36,37,38,39,40,41,42,43,44
T	F	34,52,53,54
O	F	52,53,54
Q	F	52,53,54
S	F	52,53,54
T	F	36,37,38,39,40,41,42,43,44
O	F	36,37,38,39,40,41,42,43,44
Q	F	36,37,38,39,40,41,42,43,44
S	F	36,37,38,39,40,41,42,43,44
H	F	36,37,38,39,40,41,42,43,44
F	F	51
F	F	51
Q	F	31
Z	F	46,48
L	F	31
F	F	51
Z	F	48
T	F	36,37,38,39,40,41,42,43,44
O	F	36,37,38,39,40,41,42,43,44
Q	F	31,36,37,38,39,40,41,42,43,44
C	F	32
B	F	32
S	F	36,37,38,39,40,41,42,43,44
I	F	28,29,30
Z	F	46,48
L	F	31
H	F	36,37,38,39,40,41,42,43,44
Q	F	31

Table 2

Table 2

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```
          C     F     32
          B     F     32
          I     F     28,29,30
          L     F     31
16300     T     F     36,37,38,39,40,41,42,43,44
          O     F     36,37,38,39,40,41,42,43,44
          Q     F     36,37,38,39,40,41,42,43,44
          C     F     32
          B     F     32
          S     F     36,37,38,39,40,41,42,43,44
          H     F     36,37,38,39,40,41,42,43,44
16430     T     F     36,37,38,39,40,41,42,43,44
          O     F     36,37,38,39,40,41,42,43,44
          Q     F     36,37,38,39,40,41,42,43,44
          S     F     36,37,38,39,40,41,42,43,44
          I     F     28
          H     F     36,37,38,39,40,41,42,43,44
16440     Q     F     31
          I     F     28,29,30
          Z     F     48
          L     F     31
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SORTED DATA FILE NO E15SP049
DATE 10/16/85
PROJECT: NISS R 2
DETAIL:
REPORT: STP 49
MISC:
ENTRIES 1362

LINE NO.	TYPE OF DATA	EOR	LOCATION IN REPORT
13170	T	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	O	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,42,43,45,46,47,48 51,52,53,54,55
	Q	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,45,46,47,48 49,50,51,52,53,54,55
	C	F	20,21,22,23,24
	S	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	I	F	15,16,17,18,25
	M	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
13200	T	T	1
		F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	O	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,42,43,45,46,47,48 51,52,53,54,55
	Q	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,45,46,47,48 49,50,51,52,53,54,55
	C	F	20,21,22,23,24
	S	T	1
		F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	I	F	15,16,17,18,25
	M	T	1
		F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43,44,45 46,47,48,49,50,51,52,53,54,55 56,57,58
13220	T	F	36,36,37,38,39,40,41,42,43,44
	O	F	35,36,37,38,39,42,43
	Q	F	35,36,37,38,39,40,41
	S	F	35,36,37,38,39,40,41,42,43,44
	SM	F	35,36,37,38,39,40,41,42,43,44
13240	T	F	26,27,28,29,30,31,32,33,34,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	O	F	26,27,28,29,30,31,32,33,34,45 46,47,48,51,52,53,54,55
	Q	F	26,27,28,29,30,31,32,33,34,45 46,47,48,49,50,51,52,53,54,55
	S	F	26,27,28,29,30,31,32,33,34,45 46,47,48,49,50,51,52,53,54,55 56,57,58
	I	F	25
	M	F	26,27,28,29,30,31,32,33,34,45 46,47,48,49,50,51,52,53,54,55 56,57,58
13244	T	F	45,46,47,48,49,50,51,52,53,54 55,56,57,58
	O	F	45,46,47,48,51,52,53,54,55
	Q	F	45,46,47,48,49,50,51,52,53,54 55
	S	F	45,46,47,48,49,50,51,52,53,54 55,56,57,58
	M	F	45,46,47,48,49,50,51,52,53,54 55,56,57,58
13330	T	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,44,45,46 47,48,49,50,51,52,53,54,55,56 57,58
	O	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,42,45,46,47,48,51 52,53,54,55
	Q	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,45,46,47,48 49,50,51,52,53,54,55
	S	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,44,45,46 47,48,49,50,51,52,53,54,55,56 57,58
	M	F	26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,44,45,46 47,48,49,50,51,52,53,54,55,56 57,58
13340	T	F	26,27,28,29,30,31,32,33,34,35 36,37,38,42,44,45,46,47,48,51 52,53,54,55,56,57,58
	O	F	26,27,28,29,30,31,32,33,34,35 36,37,38,42,45,46,47,48,51,52 53,54,55
	Q	F	26,27,28,29,30,31,32,33,34,35 36,37,38,45,46,47,48,51,52,53 54,55
	C	F	20,21,22,23,24
	S	F	26,27,28,29,30,31,32,33,34,35 36,37,38,42,44,45,46,47,48,51 52,53,54,55,56,57,58
	I	F	25
	M	F	26,27,28,29,30,31,32,33,34,35

Table 2

Table 2

15   2 of 2

```
                              36,37,38,48,44,45,46,47,48,51
                              52,53,54,55,56,57,58
13350      T        F         39,40,41,49,50
           O        F         39
           Q        F         39,40,41,49,50
           S        F         39,40,41,49,50
           I        F         15,16,17,18,25
           H        F         39,40,41,49,50
14000      T        F         35,36,37,38,39,40,41,42,43,44
                              45,46,47,48,49,50,51,52,53,54
                              55,56,57,58
           O        F         35,36,37,38,39,42,43,45,46,47
                              48,51,52,53,54,55
           Q        F         35,36,37,38,39,40,41,45,46,47
                              48,49,50,51,52,53,54,55
           S        F         35,36,37,38,39,40,41,42,43,44
                              45,46,47,48,49,50,51,52,53,54
                              55,56,57,58
           H        F         35,36,37,38,39,40,41,42,43,44
                              45,46,47,48,49,50,51,52,53,54
                              55,56,57,58
14120      T        F         26,27,28,29,30,31,32,33,34
           O        F         26,27,28,29,30,31,32,33,34
           Q        F         26,27,28,29,30,31,32,33,34
           C        F         20,21,22,23,24
           S        F         26,27,28,29,30,31,32,33,34
           H        F         26,27,28,29,30,31,32,33,34
14180      T        F         35,36,37,38,39,40,41,42,43,44
           O        F         35,36,37,38,39,42,43
           Q        F         35,36,37,38,39,40,41
           C        F         23,24
           S        F         35,36,37,38,39,40,41,42,43,44
           H        F         35,36,37,38,39,40,41,42,43,44
14211      T        T         1
                    F         38
           O        F         38
           Q        F         38
           S        T         1
                    F         38
           H        T         1
                    F         38
14212      T        T         1
           S        T         1
           H        T         1
14213      T        T         1
           S        T         1
           H        T         1
14240      T        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,39,40,41,42,44,45,46
                              47,48,49,50,51,52,53,54,55,56
                              57,58
           O        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,39,42,45,46,47,48,51
                              52,53,54,55
           Q        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,39,40,41,45,46,47,48
                              49,50,51,52,53,54,55
           S        F         26,27,28,29,30,31,38,33,34,35
                              36,37,38,39,40,41,42,44,45,46
                              47,48,49,50,51,52,53,54,55,56
                              57,58
           H        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,39,40,41,42,44,45,46
                              47,48,49,50,51,52,53,54,55,56
                              57,58
14250      T        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,42,44,45,46,47,48,51
                              52,53,54,55,56,57,58
           O        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,42,45,46,47,48,51,52
                              53,54,55
           Q        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,45,46,47,48,51,52,53
                              54,55
           S        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,42,44,45,46,47,48,51
                              52,53,54,55,56,57,58
           H        F         26,27,28,29,30,31,32,33,34,35
                              36,37,38,42,44,45,46,47,48,51
                              52,53,54,55,56,57,58
14260      T        F         39,40,41,49,50
           O        F         39
           Q        F         39,40,41,49,50
           S        F         39,40,41,49,50
           H        F         39,40,41,49,50
16200      C        F         19,20,21,22
           B        F         19
16340      C        F         20,21,22
```

SORTED DATA FILE NO E16SP061
DATE 10/16/85
PROJECT: ST ANTHONY FALLS
DEATIL: INTR GATE (LWR)
REPORT: STP 51
MISC:
ENTRIES 900

LINE NO.	TYPE OF DATA	EDITED	LOCATION IN REPORT
12130	T	T	3,4,5
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	B	F	33,34,35,36,37,38
	BJ	T	2
		F	33,34,35,36,37,38
	S	T	3,4,5,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
	I	F	33,34,35,36,37,38
	IZ	F	18,19,21,22,23,24,25,26
	H	T	3,4,5,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
12300	B	F	27,28,29
	BJ	F	27,28,29
12330	T	T	3,4,5
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	B	F	28,29,33,34,35,36,37,38
	BJ	T	2
		F	28,29,33,34,35,36,37,38
	S	T	3,4,5,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
	I	F	33,34,35,36,37,38
	IZ	F	18,19,21,22,23,24,25,26
	H	T	3,4,5,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
12350	B	F	33,34,35,36,37,38
	BJ	T	2
		F	33,34,35,36,37,38
	I	F	33,34,35,36,37,38
	IZ	F	24
13200	T	T	6
	S	T	6
		F	55
	H	T	6
		F	55
13330	T	T	6
	S	T	6
		F	55
	H	T	6
		F	55
14000	T	T	3,4,5,6
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	O	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	B	F	27,28,29
	BJ	F	27,28,29
	BJS	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
	H	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
14120	T	T	4
		F	56,57
	O	F	56,57
	OQ	F	56,57
	OQB	F	33,34,35,36,37,38
	OQBJ	F	33,34,35,36,37,38
	S	T	4
		F	56,57
	I	F	33,34,35,36,37,38
	IH	T	4
		F	56,57
14130	T	T	4
		F	56,57
	O	F	56,57
	OQ	F	56,57
	OQB	F	33,34,35,36,37,38
	OQBJ	F	33,34,35,36,37,38
	S	T	4

Table 2

		F	56,57
	I	F	33,34,35,36,37,38
	IH	T	4
		F	56,57
14211	T	T	3,4,5,6
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	O	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	S	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55 F44
	H	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55 F44
14213	T	T	3,4,5,6
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	O	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54 F44
	S	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55 F44
	H	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55 F44
14240	T	T	3,4,5,6
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	O	F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	Q	T	7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,56,57 F44
	B	F	27,28,29,33,34,35,36,37,38
	U	F	27,28,29,33,34,35,36,37,38
	S	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57
	I	F	33,34,35,36,37,38
	IH	T	3,4,5,6,7
		F	30,31,39,40,41,42,43,45,46,47 48,49,50,51,52,53,54,55,56,57 F44
14260	T	F	30,31
	TO	F	30,31
	TQ	F	30,31
	TB	F	33,34,35,36,37,38
	TU	F	33,34,35,36,37,38
	TS	F	30,31
	TI	F	33,34,35,36,37,38
	TH	F	30,31
16200	T	T	6
	TS	T	6
	TS	F	55
	TH	T	6
	TH	F	55
16430	T	T	6
	TS	T	6
	TS	F	55
	TH	T	6
	TH	F	55

SORTED DATA FILE NO E17SP052
DATE 10/16/85
PROJECT: LOCK HYDRAULIC
DETAIL: SYSTEMS
REPORT: STP 52
MISC:
ENTRIES 495

LINE NO.	TYPE OF DATA	EOF	LOCATION IN REPORT
11200	Q	T	7
	I	F	32
	L	T	37
11240	T	T	2
		F	11,12,13,22,23,26,27,28,24
	Q	F	11,22,26
	S	T	32
		F	11,12,13,22,23,24,26,27,28
	I	F	32
11300	T	F	69
	O	F	69
	Q	T	37
	Z	F	67,69
	L	T	37
11440	T	T	42
	S	T	42
	I	F	32
12100	I	F	64,65,68
	Z	F	67
	L	F	66
12200	T	F	69
	O	F	69
	I	F	65,68
	Z	F	67,69
	L	F	66
12230	I	F	64
	L	F	66
12240	I	F	F64
12270	L	F	66
12330	I	F	65
	L	F	66
13100	T	F	69
	O	F	69
	Q	T	11,7,8
	U	T	48
	I	T	48
	Z	T	11
		F	30,31,67,69,70,71,72,73,74,75 76,77,78,79
	L	T	7,8
13200	T	F	69
	O	F	F69
	Q	T	10,11,9,7,8
		F	43,44,45,46,47,50,51,52,53,54 55,56,57,49
	U	T	58
13240	T	T	32
		F	11,12,13,22,23,24,26,27,28
	Q	T	10,11,4,9,5,6,8
		F	11,20,22,26,43,44,45,46,47,49 50,51,52,53,54,55,56,57
	U	T	58
		F	15,16
	S	T	32
		F	11,12,13,22,23,24,26,27,28
	I	T	10,3,8
		F	14,16,17,18,41,42,48,58,59,60 61,62
	Z	T	11
		F	30,31,70,71,72,73,74,75,76,77 78,79
	L	T	10,8,9
		F	20,43,44,45,46,47,49,50,51,52 53,55,57,54
13241	T	T	42
		F	11,12,13,22,23,24,26,27,28
	Q	T	4,5,6,7
		F	11,22,25,26
	U	F	15,16
	S	T	42
		F	11,12,13,22,23,24,26,27,28
	I	T	53
		F	14,16,25
	L	T	F47
13242	T	T	42
		F	11,12,13,22,23,24,26,27,28
	Q	T	4,5,6,7
		F	11,22,25,26
	U	F	15,16
	S	T	42
		F	11,12,13,22,23,24,26,27,28
	I	T	53
		F	14,16,25
	L	T	57
13244	T	T	2
		F	12,13,22,23,24,26,27,28,11
	O	T	4,5,6,7
		F	11,22,25,26
	U	F	15,16
	S	T	8
		F	11,12,13,22,23,24,26,27,28
	I	T	53
		F	14,16,25
	L	T	47
13330	Q	T	56

Table 2

Table 2

17 2 of 2

```
13340                                T   42
                                     F   11,12,13,22,23,24,26,27,28
                                     T   10,11,4,5,6
                                     F   11,26,43,44,45,46,47,49,50,52
                                         53,54,55,56,57,20,22,51
                                         16
                                         52
                                     F   11,12,13,22,23,24,27,28,26
                                     T   10,3
                                     F   16,18,41,42
                                     T   11
                                     F   31,70,71,72,73,74,75,76,77,30
                                     T   10
                                     F   20,43,44,45,46,47,49,50,51,52
                                         53,54,55,57
13350                                F   43,44,45,47,49,50,51,53,57
                                         70,71,72,73,74,75,76,77,78,79
                                         43,44,45,47,49,50,51,53,57
                                         78,79
13360                                T   42
14000                                F   11,12,13,22,23,24,26,27,28
                                     T   11,22,26
                                     F   42
                                     T   11,12,13,22,23,24,26,27,28
14250                                T   52
                                     F   11,12,22,23,24,26,27,28,13
                                     T   11,22,26
                                     F   52
                                     T   11,12,13,22,23,24,26,27,28
```

Table 2

SORTED DATA FILE NO E1STN282
DATE 10/16/85
PROJECT: MCNARY
DETAIL: TAINTER VALVE
REPORT: TM 2-282
MISC:
ENTRIES 33

LINE NO.	TYPE OF DATA		EQUIP	LOCATION IN REPORT
12200		I	P	1,2,3,4,5
		Z	T	1,2,3,4,5,6
		P	T	13
			D	3,4
12240	I		P	1,2,3,4,5
	Z		T	2,3,4,5,6
	P		T	13
			D	3,4
12330	Z		T	1,2,3,4,5,6

SORTED DATA FILE NO E19TM313
DATE 10/16/85
PROJECT: PEARL R
DETAIL: B-FLY VALUES
REPORT: TM 2-313
MISC:
ENTRIES 79

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
12100	Q	T	1,3,2
	F	T	1,2,3
		D	2,3,4,5,6,7,8,9,10,11,12
12150	Q	T	1,2,3
	F	T	1,2,3
		D	2,3,4,5,6,7,8,9,10,11,12
12170	F	D	5,6,7,8,9,10,11,12
12320	Q	T	1,2,3
	F	T	1,2,3
		D	2,3
12330	Q	T	1,2,3
	F	T	1,2,3
		D	2,3,4,5,6,7,8,9,10,11,12
12340	Q	T	2,3
	F	T	2,3
12350	Q	T	2,3
	F	T	2,3
12380	Q	T	1
	F	T	1
		D	2,3

Table 2

SORTED DATA FILE NO E20TM309
DATE 10/16/85
PROJECT: ALGIERS
DETAIL:
REPORT: TM 2-309
MISC:
ENTRIES 1012

LINE_NO_	TYPE OF_DATA__	EQUAL	LOCATION_IN_REPORT
12100	T	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34 A6,A7,A8,A9,A10,A11,A12,A13
	O	D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	Q	T	A4,A6
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	UC	D	14
	UCBUS	F	7,10
	BUS	F	6,7,8,10,A3,A4
	S	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	I	D	14
	IF	DT	A1,A2,A3,A5
		D	A3
	H	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34 A6,A7,A8,A9,A10,A11,A12,A13
12170	T	T	A7
	Q	T	A4,A6
	S	T	A7
	FH	T	A3,A5
		T	A7
12330	T	T	1,2,3,4,5
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34
	O	D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34
	Q	T	A4,A6
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34
	UC	D	14
	UCBUS	F	7
	BUS	F	6,7,8,11,A3,A4,A5
	S	F	6,7,8,11,A3,A4,A5
		T	1,2,3,4,5
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34
	I	D	14
	IF	DT	A1,A2,A5
		D	A3
	H	T	1,2,3,4,5
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34
12340	T	T	2,3,4,5,A7
		D	16,17,18,19,20,21,22,23,27,A6 A7,A8,A9,A10,A11,A12,A13
	O	D	16,17,18,19,20,21,22,27,A6,A7 A8,A9,A10,A11,A12,A13
	Q	D	16,17,18,19,20,21,22,27,A6,A7 A8,A9,A10,A11,A12,A13
	S	T	2,3,4,5,A7
		D	16,17,18,19,20,21,22,27,A6,A7 A8,A9,A10,A11,A12,A13
	F	T	A1,A2
		D	A3
	H	T	2,3,4,5,A7
		D	16,17,18,19,20,21,22,23,27,A6 A7,A8,A9,A10,A11,A12,A13
12350	Q	T	A4,A6
	QUC	D	14
	UCBUS	F	10
	BUS	F	10,11,A3,A4,A5
	BUS	F	10,11,A3,A4,A5
	IF	D	14
	IF	DT	A1,A2,A3,A5
		D	A3
14000	BUS	F	6,11,A5
	BUS	F	6,11,A5
14180	T	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34 A6,A7,A8,A9,A10,A11,A12,A13
	O	D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	Q	T	A4,A6
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	UC	D	14
	UCBUS	F	7,10
	BUS	F	6,7,8,10,A3,A4
	BUS	F	6,7,8,10,A3,A4
	S	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,27,28,29,30,31,32,33,34,A6 A7,A8,A9,A10,A11,A12,A13
	IF	D	14
	IF	DT	A1,A2,A3,A5
		D	A3
	H	T	1,2,3,4,5,A7
		D	6,7,8,9,10,16,17,18,19,20,21 22,23,27,28,29,30,31,32,33,34 A6,A7,A8,A9,A10,A11,A12,A13
14811	T	T	1,2,3,4,5,A7

Table 2

20   2 of 2

```
                     D     A6,A7,A8,A9
           O         D     A6,A7,A8,A9
           Q         D     A6,A7,A8,A9
           S         T     1,2,3,4,5,A7
                     D     A6,A7,A8,A9
           H         T     1,2,3,4,5,A7
                     D     A6,A7,A8,A9
14212      T         T     3,4,5,A7
                     D     16,17,18,19,20,21,22,23,A6,A7
                           A8,A9
           O         D     16,17,18,19,20,21,22,A6,A7,A8
                           A9
           Q         D     16,17,18,19,20,21,22,A6,A7,A8
                           A9
           S         T     3,4,5,A7
                     D     16,17,18,19,20,21,22,A6,A7,A8
                           A9
           H         T     3,4,5,A7
                     D     16,17,18,19,20,21,22,23,A6,A7
                           A8,A9
14213      T         T     1,2
           S         T     1,2
           H         T     1,2
14240      T         T     1,2,3,4,5
                     D     6,7,8,9,10,16,17,18,19,20,21
                           22,23,27,28,29,30,31,32,33,34
           O         D     6,7,8,9,10,16,17,18,19,20,21
                           22,27,28,29,30,31,32,33,34
           Q         T     A4,A6
                     D     6,7,8,9,10,16,17,18,19,20,21
                           22,27,28,29,30,31,32,33,34
           V         D     14
           C         F     7
           B         F     6,7,8,11,A3,A4,A5
           W         F     6,7,8,11,A3,A4,A5
           S         T     1,2,3,4,5
                     D     6,7,8,9,10,16,17,18,19,20,21
                           22,27,28,29,30,31,32,33,34
           I         D     14
           F         T     A1,A2,A5
                     D     A3
           H         T     1,2,3,4,5
                     D     6,7,8,9,10,16,17,18,19,20,21
                           22,23,27,28,29,30,31,32,33,34
14250      T         T     2,3,4,5,A7
                     D     16,17,18,19,20,21,22,23,27,A6
                           A7,A8,A9,A10,A11,A12,A13
           O         D     16,17,18,19,20,21,22,27,A6,A7
                           A8,A9,A10,A11,A12,A13
           Q         D     16,17,18,19,20,21,22,27,A6,A7
                           A8,A9,A10,A11,A12,A13
           S         T     2,3,4,5,A7
                     D     16,17,18,19,20,21,22,27,A6,A7
                           A8,A9,A10,A11,A12,A13
           F         T     A1,A2
                     D     A3
           H         T     2,3,4,5,A7
                     D     16,17,18,19,20,21,22,23,27,A6
                           A7,A8,A9,A10,A11,A12,A13
14260      Q         T     A4,A6
           V         D     14
           C         F     10
           B         F     10,11,A3,A4,A5
           W         F     10,11,A3,A4,A5
           I         D     14
           F         T     A1,A2,A3,A5
                     D     A3
```

SORTED DATA FILE NO E81SP056
DATE 10/17/85
PROJECT: NEW CUMBERLAND
DETAIL:
REPORT: STP 56
MISC:
ENTRIES 261

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11130	C	F	5
11150	C	F	5
11200	I	F	6,29
11240	I	F	6,29
11300	O	T	A2
	Z	T	A2
		F	A3,A4
	L	F	A3,A4
12200	Z	F	28,50,A3,A4
	L	F	A3,A4
12320	Z	F	A4
	L	F	A4
12340	Z	F	A3,A4
	L	F	A3,A4
12350	Z	F	A3,A4
	L	F	A3,A4
13100	O	T	A2
	Z	T	A2
		F	A3,A4,A5
	L	F	A3,A4,A5
13200	T	T	3,4
		F	23,24,25,26,27,48,49
	O	T	1,2,A2
		F	23,24,48
	Q	T	1,2
		F	23,24,48,49,A2
	C	F	8
	S	F	23,24,26,48
	I	F	9
	Z	T	A2
		F	9,A3,A4,A5
	L	F	A3,A4,A5
	H	T	3,4
		F	22,23,24,25,26,48
13220	T	F	35,48,49
	O	F	48
	Q	F	48,49
	C	F	32
	S	F	35,48
	I	F	34
	H	F	48
13221	O	T	2
	Q	T	2
13222	O	T	2
	Q	T	2
13240	T	F	23,24,25,26,27,48,49
16300	B	F	18,19
	H	F	20,47
13241	O	T	3,4
	Q	T	1
	H	T	1
13242	O	T	3,4
	Q	T	1
	H	T	1
13320	O	T	3,4
	Q	F	A2
	Z	F	A4
	L	F	A4
13330	T	T	3,4
		F	27,49
	Q	F	49
	H	T	3,4
		F	22
13340	Z	F	A3,A4
	L	F	A3,A4
13350	Q	F	A2
	Z	F	A3,A4,A5
	L	F	A3,A4,A5
14000	T	F	23,24,25,26,27,35,48,49
	O	T	A2
		F	23,24,48
	Q	F	23,24,48,49
	C	F	8,32
	S	F	23,24,26,35,48
	I	T	A2
	H	F	22,23,24,25,26,48
14214	T	F	20,47
14240	H	F	27,49
	Q	F	49
	H	F	22
15200	Z	F	28,50,A5
	L	F	A5
15340	Z	F	A5
	L	F	A5
16200	T	F	23,24,25,26,27
	O	F	23,24
	Q	F	23,24
	C	F	45,46
	S	F	18,19,43,44,45,46
	I	F	44
	S	F	23,24,26
	I	F	11,12,13,14,16,36,37,38,39
	H	F	20,23,24,25,26,47
16230	C	F	45,46
	S	F	18,19,43,44,45,46
	I	F	44
	H	F	11,12,13,14,16,36,37,38,39
	H	F	20,47

Table 2

Table 2

SORTED DATA FILE NO E227N3S8
DATE 10/17/85
PROJECT: CHEATHAM
DETAIL: EMERGENCY DAM
REPORT: TM 2-358
MISC:
ENTRIES 27

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN RECORD
14150	C	F	AS
	B	F	AS
	U	F	AS
	F	T	1,2,3,4,7,5,6
		D	10,12,4,5,8
14230	F	T	6,5,7
14270	F	T	1,3,4,5,6,7
		D	10,12,4

SORTED DATA FILE NO E83SP059
DATE 10/17/85
PROJECT: MISS AUX LOCKS
DETAIL:
REPORT: STP 59
MISC:
ENTRIES 216

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11150	C	F	A5
11200	T	F	A1
	O	F	A1
	C	F	A5
	S	F	A1
	I	F	14,4
11240	I	F	A4
11400	I	F	14
13100	T	T	A3
	Q	T	A3
	S	T	4
13200	T	F	18,19,A1
	O	F	A1
	C	F	20,21,22,23,24,25
	S	F	A1
	I	F	14
13220	T	F	18,19
	C	F	20,21,22,23,24,25
	I	F	14
13221	T	T	23
		F	7,8,11,9
	Q	T	3
	C	F	10,12,13
	S	T	A4
13223	T	T	13
		F	11,7,8,9
	Q	T	13
	C	F	10,12,13
	S	T	A4
13224	S	T	A4
13240	T	F	18,19
	C	F	20,21,22,23,24,25
13241	T	T	53
	Q	T	23
13330	T	F	11,A1
	O	F	A1
	S	F	A1
13340	T	T	A3
		F	9,11,18,19,7,8,A1
	O	F	A1
	Q	T	A3
	C	F	12,13,20,21
	S	T	14
		F	A1
13350	T	T	23
		F	11,18,19,7,9,8,A1
13360	T	T	A3
		F	8,11,18,19,7,9,A1
	O	F	A1
	Q	T	A3
	C	F	20,21
	S	T	A4
		F	A1
14000	T	T	A3
		F	11,18,19,7,9,A1,8
	O	F	A1
	Q	T	A3
	C	F	10,12,13,20,21,22,23,24,25
	S	T	A4
		F	A1
14130	T	T	3
	Q	T	A3
	C	F	12,13,20,21,22,23,24,25
	S	T	4
14240	T	F	11,A1
	O	F	A1
	S	F	A1
14250	T	F	8,11,18,19,9,7,A1
	O	F	A1
	C	F	12,13,20,21
	S	F	A1
14260	T	F	11,18,19,8,7,9,A1
	O	F	A1
	C	F	20,21
	S	F	A1
14270	T	F	7,9,11,18,19,8,A1
	O	F	A1
	C	F	20,21
	S	F	A1
16200	T	F	A1
	O	F	A1
	C	F	15,16,17,6
	B	F	15,16,17,6
	S	F	A1
	I	F	14,4
16230	I	F	14,4
16253	C	F	16,17
	B	F	16,17
16300	C	F	15,16,17,6
	B	F	6,15,16,17
16440	C	F	16,17
	B	F	16,17
16450	C	F	16
	B	F	16

SORTED DATA FILE NO E24B26-1
DATE 10/17/85
PROJECT: MCNARY
DETAIL:
REPORT: BNL 26-1
MISC:
ENTRIES 635

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11150	C	F	8
11200	Q	T	1G
	Z	T	G,A
		D	12,18,23,34
11240	Q	D	10
	I	D	10,35
	L	D	10
11300	Q	T	2G
	Z	T	F,G
	L	D	37
11420	Q	T	AG
	Z	T	AG
11430	Q	T	2G
		D	10
	I	D	10,35
	Z	T	G,A,F
		D	12,23,34
	L	D	10
11440	Z	T	A
		D	12,23
11450	Q	T	1G
		D	10
	I	D	10
	Z	T	A,G
		D	12,23,34
	L	D	10
12100	Q	D	36
	Z	T	M,N
		U	148
	L	T	1J
	F	T	L,N
		D	23
12110	T	D	20,21
	O	D	20
	Q	D	39,40,41
	B	F	17
	I	F	17,23,24,25,26
	Z	D	39,40,41
	A	U	137,139,146,153
	H	D	20,21
	X	U	139
12150	Z	T	1N
	F	T	K,L,N
		D	3,46,47,48,49,51,52
	A	T	2K
12160	A	U	139,146
	X	U	139
12170	F	T	4K
		D	46,47,48,49,51,52
	A	T	AK
12200	Q	T	2G
		D	41
	B	F	17
	I	F	17,23,24,25,26
	Z	T	D,G,N,A,F,M
		D	12,18,23,34,41
		U	148
	P	T	D
	F	T	1N
12230		D	41
	Q	T	1D
		D	41
	P	T	E,D
		U	137
12270		T	2N
	N	T	2N
		D	51
12280	A	U	137,139,146
12290	X	U	139
		F	26
12320		U	148
	I	T	21
	N	T	G
	T	T	AG
		D	21
12330		D	21
	Q	T	AG
		D	36,39,40,41
	Z	T	F,G,A
		D	12,23,34,39,40,41
	J	T	2J
	K	T	K,L
		D	49
	A	T	K
		U	137,139,139,146,153
	H	X	21
		U	139,139
12340	X	T	1A
		D	12
	F	T	52
12350	Q	T	2G
		D	36,39,40,41
	Z	T	M,G,A
		D	12,23,34,39,40,41
	F	T	2L
		D	49,52
	A	U	137
12360		U	139,146
	A	U	139
12370	X	U	137,139,146
	A	U	139
13100	X	T	8G
	Q	N	D,G,M
	Z	T	1D

13170	T	DD	20,21
	TOHT	DDDT	20 20,21
13200	T	DT	2B
		D	9,13,16,17,20,21,26,7,27,31,32 33,33,38,6
	OQ	DT	13,16,9,20,26,7,27,33,33,6 2G
		DTDF	10
	C	DF	11,21
	CBSI	FDDF	10,14,17,18,19,21 16 10
		DDFT	17
	Z	T	F,B,G,A
		DDD	12,18,23,24,28,34 10
	LH	DD	13,16,17,20,21,26,27,33,33,38 9
13220	T	DD	26,27,31,32,33
	TQUIZ	DDT	26,27,33 AG 11 9
	Z	FT	F,G,A
		DDT	12,23,24,34
	HTZ	DDT	26,27,33 AB
13221		T	1B
		DDD	28
13240	T	DDD	31,32,33
	TOUIHTZ	DDDF	33 11 9 33
13241		DTT	1B
		TDT	1B 28
13243	T	DT	2B
	Z	TD	2B 28
13250	T	DDD	26,27
	TOHTOZHT	DDDD	26,27 26,27 7,13,21,31,32,33,38 13,7,33 1G 1G 13,21,33,38
13330		DTT	1B
		DDT	13,21,31,32,7 13,7 AG
	OQ	DDT	10
	UIZ	DDDT	11 10 A,F,B,G
		D	12,23,24,28,34
	LHZ	DD	10 13,21
13340		DT	AA
		DD	12
13350	T	DD	6,9,31,32,33
	TOQ	DDT	6,9,33 AQ
		DD	10
	C	DF	21
	CBIZ	FDT	10,21 10 G,M,A
		DD	12,23,24,34
	LHT	DDD	10 9,33
13360		DD	13,6,38
	OZ	DT	13,6 2A
		DD	12,34
	H	DD	13,38
13370	TOHT	DDD	20,21 20 20,21
14000	T	DT	2B
		D	6,13,16,17,9,20,21,22,26,27,7 31,32,33,38
	OCBSIZH	DF	13,16,20,22,26,7,27,9,33,6 11,21 10,14,17,18,19,21 16 17 2B 13,16,17,9,20,21,22,26,27,33 38
14180	T	DD	13,9
	TOHT	DDD	13,9 13,9
14211		DD	13,16,17,20,21,26,27,9
	TOSH	DDD	13,16,9,20,26,27 16 13,16,17,20,21,26,27,9
14212	T	DD	13,9,21,26,27
	TOHTOHT	DDD	13,26,27,9 13,9,21,26,27
14230	T	DD	13
	TOHT	DDD	13 13
14240	T	DD	13
	OHT	DD	13 13
14270	T	DD	13
	OHTOHQ	DDD	13 13 36
15100	ZT	DT	AM 1J
	LFT	TT	L,N
15110	T	D	21,22

Table 2

24 3 of 3

	O	D	22
	Q	D	39,40,41
	Z	D	39,40,41
	H	D	21,22
15150	Z	T	1N
	F	T	K,N,L
		D	46,47,48,49,51,52
	A	T	AK
15160	Z	T	AF
15170	F	T	AK
		D	46,47,48,49,51,52
	A	T	AK
15200	Q	D	41
	Z	T	F,A
		D	12,18,23,34,41
15230	Q	D	41
	Z	D	41
15270	Z	T	2N
	F	T	2N
		D	51
15320	T	D	21
	H	D	21
15330	T	D	21
	Q	D	36,39,40,41
	Z	T	F,A
		D	12,23,34,39,40,41
	L	T	2J
	F	T	K,L
		D	49
	A	T	1K
	H	D	21
15340	Q	D	39,40,41
	Z	T	2A
		D	12,23,39,40,41
	F	D	52
15350	Q	D	36
	Z	T	2A
		D	12,34
	F	T	2L
		D	49,52
15360	Z	T	AF
16190	Z	D	34
16200	T	D	17,21,22,31,32,38
	O	D	22
	C	F	22
	B	F	12,15,22
	Z	T	A,F
		D	12,18,23
	H	D	17,21,22,38
16230	Q	D	10
	I	D	10
	L	D	10
16300	U	T	2H
	C	F	22
	B	F	12,15,22
16420	T	D	21,31,32,38
	H	D	21,38
16430	T	D	21,31,32
	Q	D	10
	I	D	10
	Z	T	F,A
		D	12,23,34
	L	D	10
	H	D	21
16440	Q	D	10
	I	D	10
	Z	T	2A
		D	12,23
	L	D	10
16450	T	D	31,32,38
	Z	T	2A
		D	12,34
	H	D	38
16460	U	T	1H

SORTED DATA FILE NO E25MP146
DATE 10/17/85
PROJECT: MCMURY
DETAIL: PROTOTYPE
REPORT: MP 2-146
MISC:
ENTRIES 63

LINE NO.	TYPE OF DATA	EDITOR	LOCATION IN REPORT
12100	T	T	14
12150	F	D	34
12160	T	T	2,3,4
		D	23
	O	T	12
	B	P	4,3
	W	P	4,3
	Z	T	10,11,6,8,9,5,7
12200	Z	T	6,A1,5
12230	Z	T	6,7,5
12330	T	T	13
	Z	T	37
12350	T	T	3,4
		D	23
	F	D	44
12360	T	T	2,3,4
	O	T	12
	B	P	3,4
	W	P	3,4
	Z	T	10,11,5,8,9,7,6
13100	Z	T	8,9
13220	Z	T	10
14000	T	T	2,3
		D	2,3
	O	T	A2
	B	P	3,4
	W	P	3,4
14260	T	D	2,3
15100	T	T	14
15230	Z	T	11
16300	B	P	32
	W	P	A2

SORTED DATA FILE NO E269P569
DATE 10/17/85
PROJECT: NEW CUMBERLAND
DETAIL: SUPPLEMENT
REPORT: STP 569
MISC:
ENTRIES 26

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11200	T	F	3
	S	F	3
	ST	F	3,5
13200	T	F	3,4
	S	F	3,4
	ST	F	3,4,5
14000	T	F	3,4
	S	F	3,4
	ST	F	3,4,5
14211	T	F	5
14212	T	F	5
14213	T	F	5
14240	T	F	5
16200	T	F	4
	S	F	4
	ST	F	4,5

Table 2

SORTED DATA FILE NO E27TR497
DATE 10/17/85
PROJECT: CALUMET
DETAIL:
REPORT: TR 2-497
MISC:
ENTRIES 236

LINE NO.	TYPE OF DATA		LOCATION IN REPORT
12200	T	T	1,2,3,4,5,6
		D	8,11
		F	8,10,11,12
		W	22,30
	O	D	11
	O M	D	11
		T	1,2,3,4,5,6
		D	8,11,12
		F	7,8,10,11,12,13
		W	22,30
14120	I	F	9
14140	T	T	1,2,3,4,5,6,7,8
		D	5,8,10,11,13,15,16
		F	8,11,12
		W	17,18,42
	O	D	5,10,11,13,15
	O U	D	5,10,11,13,15
	O U I	D	14
		F	9
	M	T	1,2,3,4,5,6,7,8
		D	5,8,10,11,12,13,15,16
		F	8,11,12,13,14,15
		W	17,18,42
14211	T	T	6
	T M	T	6
14212	T	T	6,7,8
		D	15,16
	O	D	15
	O M	D	15
		T	6,7,8
		D	15,16
		F	13
14213	T	T	6
	T M	T	6
		F	13
14230	T	T	7,8
		D	15,16
		W	42
	O	D	15
	O M	D	15
		T	7,8
		D	15,16
		F	14,15
		W	42
14240	T	T	1,2,3,4,5,7,8
		D	5,8,10,11,13,15,16
		F	8,10,11,12
		W	17,18,22,30,42
	O	D	5,10,11,13,15
	O U	D	5,10,11,13,15
	O U I	D	14
		F	9
	M	T	1,2,3,4,5,7,8
		D	5,8,10,11,12,13,15,16
		F	7,8,10,11,12,14,15
		W	17,18,22,30,42
14250	T	T	3,4,5
		F	12
	M	T	3,4,5
		F	12
14260	T	T	3,4,7,8
		F	15,16
		W	42
	O	D	15
	O U	D	15
	O U I	D	14
	M	T	3,4,7,8
		F	12,15,16
		W	12,14,15
14270	T	T	7,8
		F	15,16
		W	42
	O	D	15
	O U	D	15
	O U I	D	14
	M	T	7,8
		F	15,16
		W	14,15
		W	42

SORTED DATA FILE NO E28TR500
DATE 10/17/85
PROJECT: PORT ALLEN
DETAIL:
REPORT: TR 2-500
MISC:
ENTRIES 468

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11130	C	F	8
11150	C	F	8
11200	Z	T	1,2,3
11240	V	D	18
	I	D	18
11271	V	D	18
	I	D	18
11300	Z	T	1,3,2
11440	Z	T	3,2
11450	Z	T	3,2
12230	T	D	43,44,45,46
	O	D	43,44,46
	Q	D	44
	Z	D	12
	H	D	44,45
12330	Z	D	12
12340	Z	D	12
13200	Z	T	1,2,3
13240	Z	T	1,3,2
13242	T		5,10,11,12,13,14,15,6,16,7,9
		D	33,34,36,37,38,39,40,41,42,43 44,45,46,47,48,49,50
	O	D	34,43,44,46,49,50
	Q	D	33,44,49
	V	D	35
	I	D	35
	H		5,6,9,10,11,12,13,14,15,16,7
		D	33,36,37,38,39,40,41,42,44,45 47,48,49
13250	V	D	27,27,30
	I	D	27,27,30
	Z	D	14
13260	V	D	27
	I	D	27
	Z	D	14
13264	V	D	28,29
	I	D	28,29
	L	D	31
13330	T		5,6,7,10,9
		D	34,36,37,38,39,40,41,42,43,44 45,46,49
	O	D	34,43,44,46,49
	Q	D	44,49
	H		5,7,10,6,9
		D	36,37,38,39,40,41,42,44,45,49
13340	T	T	5,6
		D	34,37,42,43,45,46
	O	D	34,43,46
	V	D	27,28,29,30
	I	D	27,28,29,30
	Z	D	3,2,4
	L	D	31
	H	D	5,6
		D	37,42,45
13350	T	T	5
	Z	T	3,2,4
	H	T	5
14120	T	T	5,8,10,11,12,13,14,15,6,16,7,9
		D	36,37,38,39,40,41,42,43,44,45 46,47,48,49,50
	O	D	43,44,46,49,50
	Q	D	44,49
	V	D	35
	I	D	35
	H	D	5,8,10,11,12,13,14,15,16,6,7,9
		D	36,37,38,39,40,41,42,44,45,47 48,49
14211	T	T	10,11,12,13,14,15,16
		D	41,42,45,47,48
	H	D	10,11,12,13,14,15,16
		D	41,42,45,47,48
14212	T	D	8,10,11,12,13,14,15,16,7,9
		D	38,39,40,41,42,45,47,48
	H	D	8,10,11,12,13,14,15,16,7,9
		D	38,39,40,41,42,45,47,48
14230	T	T	10
	H	T	10
14240	T	T	7,8,9,10,11,12,13,14,15,5,16,6
		D	36,37,38,39,40,41,42,43,44,45 46,47,49,50
	O	D	43,44,46,49,50
	Q	D	44,49
	S	D	54
	H		7,8,10,11,12,13,14,5,15,16,6,9
		D	36,37,38,39,40,41,42,44,45,47 49,53
14250	T	T	11,12,13,14,15,5,16,6
		D	37,42,43,45,46
	O	D	43,46
	H	D	5,11,12,13,14,15,6,16
		D	37,42,45
14260	T	T	15
		D	47,48,50
	O	D	50
	B	F	12
	U	F	12
	S	D	54
	H	D	15
		D	47,48
14270	B	F	12
	U	F	12
15230	Z	D	85
15330	Z	D	85
15340	Z	D	85

Table 2

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```
16100  INC 1    15,16
                47,48,50
                50
       INC 1    1,3,2
                15,16
                47,48
       INC 1    15,16
                47,48,50
                50
       INC 1    1,3,2
                15,16
                47,48
16200  INC 1    13,18,21,23
                9,12
                9,12
       INC 1    13,18,21,23
                52
                54
                52
16230  INC 1    53
                9,12
                9,12
16300  INC 1    12
                12
                13,18,21,23
       INC 1    13,18,21,23
                2,3
                13
16340  INC 1    53
```

Table 2

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SORTED DATA FILE NO E80TR619
DATE 10/17/85
PROJECT: W F GEORGE
DETAIL: OUTLET
REPORT: TR 2-519
MISC:
ENTRIES 10

LINE NO.	TYPE OF DATA	EDBOOI	LOCATION IN REPORT
16340	> B	U	41
		F	15
		U	41
		F	15
		U	41
		F	41
		U	15
		F	41
		U	15
		F	41
16360	> B	U	

SORTED DATA FILE NO E30TR527
DATE 10/17/85
PROJECT: GREENUP
DETAIL: EMERGENCY GATE
REPORT: TR 2-527
MISC:
ENTRIES 105

LINE NO.	TYPE OF DATA	EQUIPMENT	LOCATION IN REPORT
14150	B	P	1,2,3,4,5,6,7
	U	P	1,2,3,4,5,6,7
	Z	T	1,2,5
	F	T	3
		P	1,2,3,4,5,6,7
		D	1,3,4,5,6,7,8,9,10
	A	T	4
14240	B	P	1,2,3,4,5,6
	U	P	1,2,3,4,5,6
	Z	T	1,2
	F	T	3
		P	1,2,3,4,5,6
		D	1,3,4,5,6,7,8,9,10
	A	T	4
14250	Z	T	5
14260	B	P	2,3,4,7
	U	P	2,3,4,7
	Z	T	5
	F	P	2,3,4,7
		D	3,4,5,6,7,8,9,10
	A	T	4
14290	B	P	2,4
	U	P	2,4
	Z	T	2
	F	P	2,4
		D	1,3,4,5,6,7,8,9,10

Table 2

SORTED DATA FILE NO E31SP064
DATE 10/17/85
PROJECT: CHAIN OF ROCKS
DETAIL:
REPORT: STP 64
MISC:
ENTRIES 249

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
11100	T	F	15,20,24
	O	F	15,20,24
	S	F	15,20,24
	SH	F	20
11150	C	F	10
11170	Q	T	7,9
		F	27
	U	T	7,9
	UZ	T	6,8
	F	F	27
11200	T	T	3,4
		F	18,19,23
	O	T	3
	Q	T	3,4,5
		F	18,19
	C	F	10
	CH	F	9
	H	T	4
11240	I	F	9
11460	IT	T	4
	Q	T	4
	QH	T	4
13130	I	F	11
13200	T	T	3,4
		F	15,18,19,20,23,24
	O	T	3
		F	15,20,24
	Q	T	3,4,5
		F	18,19
	C	F	14,16,25
	CS	F	15,20,24
	CH	F	13,17
	H	T	4
		F	20
13240	T	T	3,4
		F	15,18,19,20,23,24
	O	T	3
		F	15,20,24
	Q	T	3,4,5
		F	18,19
	UC	F	12
	CS	F	14,16,25
	SH	F	15,20,24
	H	T	11,12,13,17
		F	4
			20
13260	I	F	11
13330	T	F	19,20,23
	OQ	F	20
	QS	F	19
	SH	F	20
			20
13340	T	F	18,23
	QT	F	18
13350	T	F	18,23
	Q	F	18
13360	T	F	18,23
	QT	F	18
14000	T	T	3,4
		F	15,18,19,20,23,24
	O	T	3
		F	15,20,24
	Q	T	3,4,5
		F	18,19
	C	F	14,16,25
	CU	F	28
	US	F	28
	SH	F	15,20,24
	H	T	4
		F	20
14140	TO	T	4
		F	4,7,9
	UZ	F	27,29
	UZ	T	7,9
	UZ	F	28
	UZ	F	28
	UZ	T	6,8
	UZ	F	27
	UZ	T	4
14240	T	F	19,20,23
	OQ	F	20
	QS	F	19
	SH	F	20
			20
14250	T	F	18,23
	QT	T	7,9
		F	18,27,29
	U	T	7,9
	UZ	F	28
	UZ	F	28
	UZ	T	6,8
	UZ	F	27
14260	T	F	18,23
	O	T	9
		F	18
	UZ	T	9
			8
14270	T	F	18,23
	QT	F	18
14290	T	T	4
		F	20
	OQ	F	20
		T	4,7,9
		F	27,29

Table 2

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	V	T	7,9
	B	F	28
	U	F	28
	S	F	20
	Z	T	6,8
	F	F	27
	H	T	4
		F	20
16200	T	T	3,4
		F	18,19,23
	O	T	3
	Q	T	3,4,5
		F	18,19
	V	F	30,31,32
	C	F	14,22
	I	F	21,30,31,32
	H	T	4
16230	V	F	30,31,32
	C	F	22
	I	F	21,30,31,32
16300	T	F	15,20,24
	O	F	15,20,24
	V	F	30,31,32
	C	F	14,22
	S	F	15,20,24
	I	F	30,31,32
	H	F	20
16440	I	F	21

Table 2

SORTED DATA FILE NO E32SP068
DATE 10/17/85
PROJECT: JACKSON
DETAIL:
REPORT: STP 68
MISC:
ENTRIES 180

LINE_NO_	TYPE OF _DATA__	FORMAT	LOCATION_IN_RECORD		
11100	CCTOGSHHNNNNNNNNSSOONSSNNHHNNOOHSCOOHHSSOOHHSSOOHHSS	F	8	14110	15,16,19
11150		F	8	14211	12,15,16,17,18,19
11200		F	15,16	14212	13,18
		F	15,16		17
		F	15,16		15,16
		F	15,16		15,16
		F	15,16		15,16
		F	12,13,15,16,17		
		F	10,15,16		
		F	15,16	14240	
		F	14		
		F	15,16		
		F	12,13,15,16,17,18		
		F	18	14260	
		F	27	14280	
		F	30	15150	
		F	29	15200	
		F	29	15240	
11240		F	7		15,16,17
12200		F	7	15280	
		F	29	15330	
12230		F	29,30	15340	
		F	29	15360	
12280		F	30	16100	
12330		F	30		
12370		F	30		
13100		F	29	16160	
		F	29		
13200		F	10,15,16,19,29	16250	
		F	15,16,19		
		F	15,16,19		
		F	9		
		F	29		
13221		F	15,16,17,18,19		
		F	11	16300	
		F	12,13		
13240		F	10,15,16,19		
		F	15,16,19	16340	
		F	15,16,19		
		F	21		
		F	15,16,19		
		F	9		
		F	15,16,17,19		
13260		F	14		
13330		F	10,15,16	16350	
		F	15,16	16430	
		F	15,16	16440	
		F	14		
		F	15,16		
		F	12,13,15,16,17,18		
13350		F	18		
14000		F	10,11,15,16,19		
		F	15,16,19		
		F	15,16,19		
		F	14		

Table 2

SORTED DATA FILE NO E338P060
DATE 10/17/85
PROJECT: ST ANTHONY FALLS
DETAIL: INTR GATE (UPPR)
REPORT: STP 69
MISC:
ENTRIES 19

LINE NO.	TYPE OF DATA	EDITED?	LOCATION IN REPORT
12330	0	F	12
			12
12340	0	F	12,16
			12
14000	0	F	13
			13,16
14140	0	F	12,16
			13
	3	F	20
	0	F	12,13,20
14240	0	F	12
			12
14250	0	F	12,16
			12

Table 2

SORTED DATA FILE NO E34TR549
DATE 10/17/85
PROJECT: OLD RIVER
DETAIL:
REPORT: TR 2-549
MISC:
ENTRIES 378

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11200	Z	T	1
11220	Z	T	1
11240	V	D	9
	I	D	9
11300	Z	T	1
11450	Z	T	1
12230	Z	T	2
		D	11
12280	T	T	5,6
		D	24
		DT	29
	M	T	5,6
		D	21
		DT	29
12340	Z	T	2
		D	11
12370	T	T	5
		D	24
	M	T	5
13200	T	T	5,6
		D	24
	M	T	5,6
13241	MT	T	7,8,9,10,11,12,13
		D	19,20,22,23,26,27,28,29,30,31
			32,33,34,35,36
	O	D	19,22,23,32,34
	OQ	D	19,29,36
	QM	T	7,8,9,10,11,12,13
		D	19,20,21,25,26,27,28,29,30,33
			35,36
13242	T	T	7,8,9,10,11,12,13
		D	19,20,22,23,26,27,28,29,30,31
			32,33,34,35,36
	O	D	19,22,23,32,34
	OQ	D	19,29,36
	QM	T	7,8,9,10,11,12,13
		D	19,20,21,25,26,27,28,29,30,33
			35,36
13330	T	D	23
13340	TO	D	23
	TO	D	22,23
13350	TO	D	22
	TO	D	22
14000	T	T	5,6,7,8,9,10,11,12,13
		D	19,20,22,23,24,26,27,28,29,30
			31,32,33,34,35,36
	J		29
	JD	D	19,22,23,32,34
	JDQ	D	19,29,36
	JDQM	T	5,6,7,8,9,10,11,12,13
	JDQMD	D	19,20,21,25,26,27,28,29,30,33
			35,36
	JDQMDJ		29
	JDQMDJT	T	6,8,9,11,13
	JDQMDJTD		26,33
	JDQMDJTH	T	6,8,9,11,13
	JDQMDJTHD		21,26,33
14212	JDQMDJTHDT	T	6,7,8,9,13
	JDQMDJTHDTD		26,27,33
	JDQMDJTHDTH	T	6,7,8,9,13
	JDQMDJTHDTHD		21,25,26,27,33
14213	JDQMDJTHDTHDT	T	10,12
	JDQMDJTHDTHDTD		30,35
	JDQMDJTHDTHDTH	T	10,12
	JDQMDJTHDTHDTHD		30,35
14230	JDQMDJTHDTHDTHDT	T	10,12
	JDQMDJTHDTHDTHDTD		30,35
	JDQMDJTHDTHDTHDTH	T	10,12
	JDQMDJTHDTHDTHDTHD		30,35
14240	JDQMDJTHDTHDTHDTHDT	T	5,6,7,8
	JDQMDJTHDTHDTHDTHDTD		19,20,23,24,26,27,28,29,31,33
			36
	JDQMDJTHDTHDTHDTHDTDJ		29
	JDQMDJTHDTHDTHDTHDTDJD		19,23
	JDQMDJTHDTHDTHDTHDTDJDQ		19,29,36
	JDQMDJTHDTHDTHDTHDTDJDQM		5,6,7,8
	JDQMDJTHDTHDTHDTHDTDJDQMD		19,20,21,25,26,27,28,29,33,36
	JDQMDJTHDTHDTHDTHDTDJDQMDJ		29
14250	JDQMDJTHDTHDTHDTHDTDJDQMDJT	T	5,6,7,8,9,10
	JDQMDJTHDTHDTHDTHDTDJDQMDJTD		20,22,23,26,27,28,30,31,32,33
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJ		29
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJD		22,23,32
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDH		5,6,7,8,9,10
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHD		20,21,25,26,27,28,30,33
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJ		29
14260	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJT	T	5,6,7,8,10
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTD		22,26,27,30,31,32,33,34,35
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJ		29
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJD		22,32,34
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDH		5,6,7,8,10
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHD		25,26,27,30,33,35
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJ		29
14270	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJT		34,35
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTH		34
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHD		35
15230	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDT	T	3,4
16100	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTD	T	3,4
16200	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQ		34,35,36
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQU		34
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQUI		36
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQUIZ		13,37,38
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQUIZT		12,13,37,38
	JDQMDJTHDTHDTHDTHDTDJDQMDJTDJDHDJTDJDHDJTHDTDQUIZTD		3,4

Table 2

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16330	CH	1	35,36		
16440	CH	1	37,38		
16450	CH	1	12,37,38		
	N	1	34		
	N	1	12		
	O	1	34		

SORTED DATA FILE NO E35TR552
DATE 10/29/85
PROJECT: MCNARY
DETAIL: PROTOTYPE
REPORT: TR 2-552
MISC:
ENTRIES 228

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
12100	T	T	A1-37
		D	5
	Q	T	A1-37
	P	T	A1-37
		D	7,9,11,13,15,17,19
	F	T	A1-37
	A	D	7,9,11,13,15,17,19,20
	X	D	7,9,11,13,15,17,19
12150	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37
		D	25,26
12160	T	DD	6,8,10,12,14,16
	Q	DD	6,8,10,12,14,16,21
	Z	DD	6,8,10,12,14,16
	P	DD	6,7,8,9,10,11,12,13,14,15,16 17,19,24
	F	DD	6,8,10,12,14,16,25,26
	A	DD	7,9,11,13,15,17,19,20
	X	DD	6,7,8,9,10,11,12,13,14,15,16 17,19
12200	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37
12230	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
		D	24
	F	T	A1-37
12270	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37
12280	T	T	A1-37
		D	16
	Q	T	A1-37
		D	16
	Z	DD	16
	P	T	A1-37
		D	16,17,24
	F	T	A1-37
		D	16
	A	DD	17
	X	D	16,17
12320	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37
12330	T	T	A1-37
		D	5
	Q	T	A1-37
		D	21
	P	T	A1-37
	F	T	A1-37
12350	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37
		D	25,26
12360	T	T	A1-37
		D	6,8,10,12,14,16,18
	Q	T	A1-37
		D	6,8,10,12,14,16,18,21
	ZP	D	6,8,10,12,14,16,18
	P	T	A1-37
		D	6,7,8,9,10,11,12,13,14,15,16 17,18,19,24
	F	T	A1-37
		D	6,8,10,12,14,16,18,25,26
	AX	DD	7,9,11,13,15,17,19,20
	X	D	6,7,8,9,10,11,12,13,14,15,16 17,18,19
12370	T	T	A1-37
		D	16
	Q	T	A1-37
		D	16
	ZP	DD	16
	P	T	A1-37
		D	16,17,24
	F	T	A1-37
		D	16
	AX	DD	16,17
14000	T	T	A1-37
	Q	T	A1-37
	P	T	A1-37
	F	T	A1-37

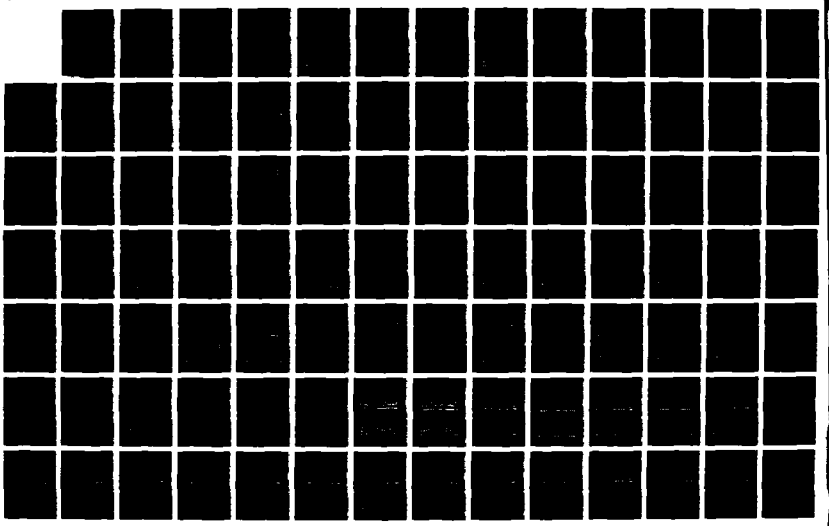
Table 2

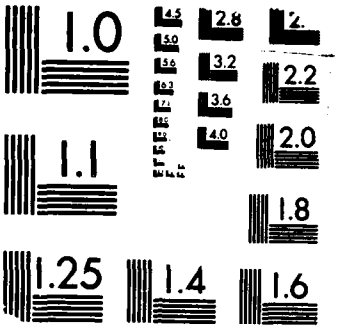
SORTED DATA FILE NO E36TR556
DATE 10/17/85
PROJECT: W G STONE
DETAIL: (SACRAMENTO R)
REPORT: TR 2-556
MISC:
ENTRIES 244

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
14120	T	W	19-22
	H	W	19-22
14140	T	T	1,2,3,4,5,6,7,8,9,10,11,12,13
		D	6,9,10,11,12,13,14,15,16,17
		F	6
		W	15,17
	O	D	6,13,14,15,16,17
	Q	T	14
		D	6,13,14,15,16,17
	V	D	18
	I	D	18
	F	D	19,20
	H	T	1,2,3,4,5,6,7,8,9,10,11,12,13
		D	6,10,11,12,13,14,15,16,17
		F	6,9,10
		W	15,17
14211	T	T	3,8,11
		D	6,13,14,15
	O	D	6,13,14,15
	Q	D	6,13,14,15
	H	T	3,8,11
		D	6,13,14,15
14212	T	T	3,4,5,11,12
		D	10,11,12,16,17
	O	D	16,17
	Q	D	16,17
	V	D	18
	I	D	18
	H	T	3,4,5,11,12
		D	10,11,12,16,17
		F	9
14240	T	T	1,2,4,5,6,8,9,10,12,13
		D	6,9,10,11,12,13,14,15
		F	6
		W	15,17,19-22
	O	D	6,13,14,15
	Q	T	14
		D	6,13,14,15
	F	D	19,20
	M	T	1,2,4,5,6,8,9,10,12,13
		D	6,10,11,12,13,14,15
		F	6,10
		W	15,17,19-22
[illegible]	T	T	2,4,5,7,8,9,10
		D	9,10,11,12
	Q	T	14
	V	D	18
	I	D	18
	F	D	19,20
	M	T	2,4,5,7,8,9,10,11,12,13
		D	10,11,12
14260	T	T	2,4,5,7,8,9,10,11,12,13
		D	9,10,11,12
	Q	T	14
	V	D	18
	I	D	18
	F	D	19,20
	M	T	2,4,5,7,8,9,10,11,12,13
		D	10,11,12
14270	T	T	11,12,13
	V	D	18
	I	D	18
	M	T	11,12,13
16300	T	T	12
	V	D	18
	I	D	18
	M	T	12

Table 2

AD-A193 551 LOCK HYDRAULIC SYSTEM MODEL AND PROTOTYPE STUDY DATA; 2/4
CORPS OF ENGINEERS..(U) ARMY ENGINEER WATERWAYS
EXPERIMENT STATION VICKSBURG MS HYDRA..
UNCLASSIFIED E B PICKETT ET AL. MAR 88 WES/MP/HL-88-1 F/G 13/2 NL





MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS-1963-A

SORTED DATA FILE NO E37TR561
DATE 10/17/85
PROJECT: NEW POE
DETAIL:
REPORT: TR 2-561
MISC:
ENTRIES 290

LINE NO.	TYPE OF DATA	EDITED	LOCATION IN REPORT
11100	C	P	1,5,2
	I	P	3,4,6
11130	C	P	1,2,5
	I	P	3,4,6
11150	C	W	19-22
11200	Z	D	14,1
11240	V	D	11,12,13
	I	D	11,12,13
11450	C	W	19-22
12100	I	D	A12,A13
	F	D	A,A1,A2,A4
		D	A6,A7,A8,A9,A10,A11
12150	F	D	A,A1,A2,A4
		D	A6,A7,A8,A9,A10,A11
12200	I	D	A12,A13
	Z	D	14,2
12270	I	D	A12,A13
12330	I	D	A12,A13
	Z	D	2
	F	T	A,A1,A2,A4
12350	F	T	A1,A2,A4
13100	Z	T	3,4,14,5
13220	T	T	7,10,11,12,13,8,9
		D	27,28,30,31,32,33,34
	O	D	27,30,34
	Q	D	27,30,34
	S	D	13
	I	D	17
	Z	D	3,4,5
	H	T	7,9,10,11,12,13,8
		D	27,29,30,31,32,33,34
13240	T	D	10,11,12,13,7,8,9
		D	27,28,30,31,32,33,34
	O	D	27,30,34
	Q	D	27,30,34
	S	D	13
	I	D	17
	M	D	8,10,11,12,13,7,9
		D	27,29,30,31,32,33,34
13320	T	D	13
		D	34
	O	D	34
	Q	D	34
	S	T	13
	Z	T	14
	H	T	13
13330	T	D	34
		T	10,11,12,13,8
		D	28,31,32,33
	S	T	13
	Z	T	14
	H	T	10,11,12,13,8
		D	31,32,33
13340	T	D	12
		D	28,33
	Z	D	3,4,5
	H	T	12
		D	33
13350	T	D	12
		D	28,33
	H	D	12
		D	33
14000	T	D	8,10,11,12,13,7,9
		D	27,30,31,32,33,34
	O	D	27,30,34
	Q	D	27,30,34
	S	T	13
	H	T	10,11,12,13,7,8,9
		D	27,29,30,31,32,33,34
14211	T	T	11
	H	T	11
14212	T	T	11,7,8,9
		D	27,30,31,32,33,34
	O	D	27,30,34
	Q	D	27,30,34
	H	T	11,7,8,9
		D	29,30,31,32,33,34,27
14230	T	T	13
	S	T	13
	Z	T	14
	H	T	13
14240	T	T	11,12,13,8
		D	32
	S	T	13
	Z	T	14
	H	T	11,12,13,8
		D	32
14250	T	T	12
	H	T	12
14260	T	T	12
	H	T	12
15200	Z	T	2,14
15330	Z	T	2
16200	T	T	13
		D	34
	O	D	34
	Q	D	34
	S	D	20,23,24
	I	T	13
	M	D	20,23,24
	Z	T	14,6
	H	T	13
16230	T	D	34

Table 2

SORTED DATA FILE NO E38SP070
DATE 10/17/85
PROJECT: INTAKE MANIFOLDS
DETAIL:
REPORT: STP 70
MISC:
ENTRIES 90

LINE NO.	TYPE OF DATA	EOB?	LOCATION IN RECORD
11100	U	F	20
	C	F	21
11150	T	T	2,4,3
		F	15
	C	T	2,3,4
		F	14,21,23
11160	T	T	3,4
		F	15
	C	T	4,3
		F	14,17,23
	P	F	16
11170	T	T	2,3,4
	C	T	2,3,4
		F	14,17,23
	P	F	16
11200	T	F	11
	Q	F	19-21
	I	F	19
11210	T	T	2
	C	T	2
		F	13,5
11230	T	T	12
	C	T	12
		F	17
11240	I	F	19
11271	T	T	3,4
		F	15
	C	T	3,4
		F	14,17,23
	P	F	16
11430	T	T	2,3,4
		F	15
		U	A65-A67
	C	T	3,4,2
		F	13,5
		U	A65-A67
11440	T	T	3,2
	C	T	2,3
		F	17
11450	T	T	3,2
		U	A65-A67
	C	T	2,3
		U	A65-A67
11460	U	F	20
	C	F	21,23
13200	T	F	A11
14000	Q	F	A11
	T	F	A11
14140	Q	T	2,4,3
	T	T	2,4,3
14150	C	T	3
	T	T	A3
14250	C	T	1
	Q	F	1

Table 2

SORTED DATA FILE NO E39TR537
DATE 10/17/85
PROJECT: MISS R 19
DETAIL: TAINTER VALUES
REPORT: TR 2-537
MISC:
ENTRIES 83

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
12100	I	D	9
	Z	TT	2
	L	TT	3
	F	TD	1,4,5,6,7,8,9,10,11,12
		D	8,12,13,14,15,16,17,18,19,20
			21,22,23,24,25,26,27,28,29,30
12280	F	T	7,8,9,12
		TD	17,19,22,23
12330	I	DD	9
	F	DD	8,12,13,14,15,16,17,18,19,20
			21,22,23,24,25,26,27,28,29,30
12370	F	T	7,8,9,12
		TD	17,19,22,23
12380	I	DT	9
	Z	TT	2
	L	TT	3
	F	T	1,4,5,6,7,8,9,10,11,12

Table 2

SORTED DATA FILE NO E46SP071
DATE 10/17/85
PROJECT: EISENHOWER
DETAIL: AND SNELL
REPORT: STP 71
MISC:
ENTRIES 666

LINE NO	TYPE OF DATA		EOBBOI	LOCAIION IN REPORI
11200	T		T	8,9,10,11,5
			F	23,26,27,28,29,43,45,47
	O		T	8,9,5
			F	47
	Q		F	26,27,28,29,47
	C		F	19,20,21
	S		F	29,47
	I		F	6
	Z		T	8,9,5
			F	26,27,28
	H		T	10,11
			F	23,29,43,45,47
11240	T		T	4,8,9,5
			F	23,26,27,28
	O		T	8,9,4,5
	Q		F	26,27,28
	C		F	19,20,21
	I		F	6
	Z		T	8,9,4,5
			F	26,27,28
	H		F	23
11250	T		F	9
	Q		F	9
	I		F	6
11300	T		T	4,8,9,5
			F	26,27,28,51
	O		T	4,8,9,5
	Q		F	26,27,28
	Z		T	4,8,9,5
			F	26,27,28,51
11420	T		T	35
	O		T	5
	Z		T	25
11430	T		T	8,9,4
			F	23,26,27,28,51
	O		T	8,9,4
	Q		F	26,27,28
	C		F	20
	Z		T	8,9,4
			F	26,27,28,51
	H		F	23
11450	T		F	51
	Z		F	51
12200	T		T	4,8,9,5
			F	51
	O		T	4,5,8,9
		Z	T	4,8,9,5
			F	51
12230	T		F	26,27,28
	Q		F	26,27,28
	Z		F	26,27,28
12320	T		T	5
	O		T	15
	Z		T	5
12330	T		T	8,9,4
			F	26,27,28,51
	O		T	8,9,4
	Q		F	26,27,28
	Z		T	8,9,4
			F	26,27,28,51
12350	T		F	51
	Z		F	51
12370	T		T	4,5,6,7,8,9
	O		T	4,5,6,7,8,9
	Z		T	4,5,6,7,8,9
13100	T		T	4,6,7,8,9,10,11,5
			F	26,27,28,29,43,45,47,51
	O		T	4,6,7,8,9,5
			F	47
	Q		F	26,27,28,29,47
	C		F	34,44
	S		F	29,47
	Z		T	4,5,6,7,8,9
			F	26,27,28,51
	H		T	10,11
			F	29,43,45,47
13200	T		T	6,7,8,9,10,11,4,5
			F	9,23,26,27,28,29,43,45,46,47
				51
	O		T	7,8,9,4,5,6
			F	47
	Q		F	9,26,27,28,29,47
	C		F	34,36,44
	S		F	29,47
	I		F	22
	Z		T	4,6,7,8,9,5
			F	26,27,28,51
	H		T	10,11
			F	23,29,43,45,46,47
13240	T		T	7,8,9,10,11,4,6,5
			F	9,23,26,27,28,29,33,37,38,39
				41,42,43,45,46,47
	O		T	6,7,8,9,4,5
			F	47
	Q		F	9,26,27,28,29,47
	C		F	34,36,44
	S		F	29,47
	I		F	22
	Z		T	7,8,9,4,6,5
			F	26,27,28
	H		T	10,11
			F	23,29,33,37,38,41,42,43,45,46
				47
13844	T		F	37,41,42

Table 2

	U	F	40
		F	40
	INT	F	37,41,42
13250		F	38,41,45
	U	F	30,31,32,40
	INT	F	30,31,32,40
		F	38,41,45
13254	T	F	39
13260	TU	F	38,41,45
		F	30,31,32,40
	INT	F	30,31,32,40
		F	38,41,45
13320	T	T	6,7,10,11,5
		F	43
	OZ	T	6,7,5
	H	T	6,7,5
		T	10,11
		F	43
13330	T	T	8,9,10,11,4
		F	23,26,27,28,33,37,38,39,41,42
			43,45,46,51
	Q	T	8,9,4
	QZ	F	26,27,28
		T	8,9,4
		F	26,27,28,51
	H	T	10,11
		F	23,33,37,38,41,42,43,45,46
13350	TZ	F	51
		F	51
14000	T	T	6,7,8,9,10,11,4,5
		F	9,23,26,27,28,29,33,37,38,39
			41,43,45,46,47,51
	Q	T	6,7,8,9,4,5
		F	47
	QC	F	9,26,27,28,29,47
	CS	F	34,36,44
	S	F	29,47
	Z	T	6,7,8,9,4,5
		F	26,27,28,51
	H	T	10,11
		F	23,29,33,37,38,41,43,45,46,47
14110	T	F	9
	TC	F	9
		F	34
14150	C	T	12
		F	52,53
	UZ	F	53
		T	12
	FT	F	54,55,56
14211	TH	T	10,11
	TH	T	10,11
14212	TH	T	10,11
	TH	T	10,11
14214	CT	F	20
14230		T	5,6,7,10,11
		F	43
	OZ	T	5,6,7
		T	6,7,5

	H	T	10,11
		F	43
14240	T	T	8,9,10,11,4
		F	23,26,27,28,33,37,38,39,41,42
			43,45,46
	OQ	T	8,9,4
	QZ	F	26,27,28
		T	8,9,4
		F	26,27,28
	H	T	10,11
		F	23,33,37,38,41,42,43,45,46
14290	O	T	12
		F	52,53
	UZ	F	53
		T	12
	FT	F	54,55,56
15200	T	T	6,7
		F	51
	OZ	T	6,7
	Z	T	6,7
		F	51
15320	TO	T	6,7
	ZT	T	6,7
		T	6,7
15330	TZ	F	51
	ZT	F	51
15340	TZ	F	51
	CT	F	51
16100	C	F	49
16200	CT	T	6,7,10,11
		F	29,43,47,51
	O	T	6,7
		F	47
	QC	F	29,47
	CS	F	49
	IZ	F	29,47
		T	48,50
		T	6,7
	H	T	51
		F	10,11
16230	T	F	29,43,47
	TC	F	23
		F	49
	IH	F	48,50
16260	C	F	23
	IT	F	49
16420	O	T	50
	ZT	T	6,7
		T	6,7
16430	ZT	F	6,7
	ZH	F	23,51
16440	TZ	F	51
		F	51

SORTED DATA FILE NO E41TR673
DATE 10/17/85
PROJECT: DARDANELLE
DETAIL: INTAKE
REPORT: TR 2-673
MISC:
ENTRIES 82

LINE NO.	TYPE OF DATA	EQUATION	LOCATION IN REPORT
11130	C	U	19-20
11150	C	U	21,22,23,24,19-20
11170	C	U	21
11200	C	P	1,2,3,4,5,6,7
		F	5
	I	P	2,3
	Z	T	1,2,3,4
11230	C	U	24
11240	C	U	6,7,11,19,22
	I	D	6,7,11,19,22
11260	C	U	23
11440	C	U	24
11450	C	P	1,2,3,4,5,6,7
		F	5
	I	P	2,3
	Z	T	1,2,3,4
11460	C	D	7
	C	P	1,2,3,4,5,6,7
		F	5
	I	P	2,3
		D	7
12100	Z	T	1,2,3,4,5
		D	24
12160	Z	T	6,7
12200	Z	T	1,2,3,4,5
		D	24
12230	Z	T	6,7
12270	Z	T	5
		D	24
12350	Z	T	1,2,3,4

Table 2

Table 2

42   1 of 2

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SORTED DATA FILE NO E42SP073
DATE 10/17/85
PROJECT: W F GEORGE
DETAIL:
REPORT:  STP 73
MISC:
ENTRIES  453

 LINE   TYPE OF
 _NO_   _DATA__   FORMAT   LOCATION_IN_REPORT
11100      C        F      40,41
11150      C        F      40,41
11200      V        F      43
           C        F      41
           I        F      43
11240      V        F      43
           I        F      43
11300      T        T      12,13
           O        T      12
           Z        T      9,11,12,13,14
11430      T        T      12,13
           O        T      12
           V        F      43
           I        F      43
           Z        T      12,13
12100      Z        T      8
                    F      19
12150      T        F      18
           F        F      16,18
12160      I        F      13,14
           Z        F      11,12
12170      T        F      18
           Z        T      7,8
                    F      19
           F        F      16,18
12200      T        T      12,13
                    F      29
           O        T      12
           Q        F      29
           I        F      13,14,29
           Z        T      7,9,11,12,13,14
                    F      11,12,23,29,36
12230      T        F      17,34
           Q        F      34
           Z        F      17,26,34
           H        F      34
12240      T        F      25,28,31
           Z        F      25,26,28,31
           H        F      25,28,31
12250      I        F      14
12320      Z        F      23
12330      T        T      12,13
                    F      17,18,25,28,29,31,34
           O        T      12
           Q        F      29,34
           I        F      13,14,29
           Z        T      12,13
                    F      11,12,17,19,23,25,28,29,31,34
                           36
           F        F      18
           H        F      25,28,31,34
12350      Z        F      11,12,19
12360      I        F      13,14
12370      I        F      13
13100      T        T      12,13,17
           O        T      12
           I        F      13
           Z        T      7,9,11,12,13,14,17
                    F      11,12,23,36
13110      T        T      12,13,15,16
                    F      28,29,31,33,34,38
           O        T      12
           Q        F      29,34
           C        F      35
           I        F      29,37
           Z        T      11,12,13,14
                    F      26,28,29,31,34,36
           H        T      15,16
                    F      28,31,33,34,39
           X        F      39
13130      I        F      13
           Z        F      11,12
13200      T        T      12,13,17
                    F      22,25,28,29,31,33,34
           O        T      12
           Q        F      29,34
           C        F      24
           I        T      10
                    F      21,29,37
           Z        T      9,11,12,13,14,17
                    F      23,25,26,28,29,31,34,36
           H        F      25,28,31,33,34,39
           X        F      39
13220      T        T      12,13,15,16,17
                    F      25,28,29,31,33,34,38,44
           O        T      12
           Q        F      29,34
           C        F      24,35
           I        T      10
                    F      29,37
           Z        T      9,11,12,13,14,17
                    F      25,26,28,29,31,34,36,44
           P        F      44,45
           H        T      15,16
                    F      25,28,31,33,34,39,46
           X        F      39
13221      T        F      22
13222      T        F      22
13231      T        F      26
           Z        F      26
           H        F      26
13240      I        F      21
13244      I        T      10
13320      T        T      16
```

Table 2

42 2 of 2

	Z	F	23
	H	T	15
13330	T	T	12,13,15,16,17
		F	22,25,28,29,31,33,34,38,44
	O	T	12
	Q	F	29,34
	C	F	24
	I	F	21,29,37
	Z	T	12,13,17
		F	11,12,23,25,28,29,31,34,36,44
	P	F	44
	H	T	15,16
		F	25,28,31,33,34,39,46
	X	F	39
13340	T	T	15
		F	38
	H	T	15
13350	T	T	15
		F	38
	I	F	21
	Z	F	11,12
	H	T	15
14000	T	T	12,13,15,16,17
		F	17,18,22,25,28,29,31,33,34,38
			44
	O	T	12
	Q	F	29,34
	C	F	24,35
	I	F	29
	Z	T	12,13,17
		F	17,25,28,29,31,34,44
	P	F	44
	F	F	18
	H	T	15,16
		F	25,28,31,33,34,39,46
	X	F	39
14211	H	F	46
14212	H	F	46
14230	T	T	15
	H	T	15
14240	T	T	12,13,15,16,17
		F	22,25,28,29,31,33,34,38,44
	O	T	12
	Q	F	29,34
	C	F	24
	I	F	29
	Z	T	12,13,17
		F	25,28,29,31,34,44
	P	F	44
	H	T	15,16
		F	25,28,31,33,34,39,46
	X	F	39
14250	T	T	15
		F	38
	H	T	15
14260	T	T	15
		F	38
	H	T	15
14270	T	F	38
15200	T	F	29
	O	F	29
	I	F	29
	Z	T	9
		F	23,29,36
15320	Z	F	23
15330	T	F	29
	O	F	29
	I	F	29
	Z	F	23,29,36
16100	Z	T	9
		F	23
16250	V	F	47
	B	F	48,49
	W	F	48,49
	I	F	47
16300	V	F	47
	B	F	48,49
	W	F	48,49
	I	F	47
16340	V	F	47
	B	F	48,49
	W	F	48,49
	I	F	47
16420	V	F	47
	B	F	48,49
	W	F	48,49
	I	F	47

SORTED DATA FILE NO E43SP074
DATE 10/17/85
PROJECT: GREENUP
DETAIL: AND MARKLAND
REPORT: STP 74
MISC:
ENTRIES 396

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11150	C	F	8,9
11200	T	T	38
		F	18,36,38
	O	F	36,38
	Q	T	10
		F	34,36,38,40
	C	F	9,8
	S	F	36,38
	I	F	27
	N	T	28
		F	36,38
	L	T	10
		F	34,40
11240	T	F	18
	I	F	27
11420	Q	F	34
	L	F	34
12100	Q	T	10
	L	T	10
12200	T	T	38
	N	T	18
12230	T	F	36,38
	O	F	36,38
	Q	F	36,38
	S	F	36,38
	N	F	36,38
13100	T	T	8,9
	Q	T	10
	N	T	9,8
	L	T	10
13200	T	T	9,8
	Q	T	10
	N	T	8,9
	L	T	10
13210	T	F	12,16,18,29,30,36,37,38,39
	O	F	36,37,38,39
	Q	F	30,34,36,37,38,39,40
	C	F	20,21,22,23,24,32
	S	F	12,13,36,37,38,39
	I	F	17,19,31,35
	N	F	19,36,37,38,39
	L	F	34,40
	H	T	4,6,7,2,3,5
		F	12,14,15,16,25,26,27,28,29,33
13220	T	F	29,30,36,37,38,39
	O	F	36,37,38,39
13221			18
13222			12,13
			17
		T	6,4,5,7,2,3
		F	12,14,15,16
13240	C	F	20,22,23,24
	I	F	19,3,31
	N	F	19
	C	F	25
13241		F	24
13244		F	30
		F	30
	C	F	20,22,23
	H	F	31
	Q	F	25
13320	L	F	34
	H	F	34
		T	6,4
		F	28,33
13330	T	T	19
		F	12,16,29,30
	Q	F	30
	S	T	12
	N	T	19
		F	5,4,6,7,2,3
		F	12,14,15,16,26,28,29,33
13340	T	F	29
	H	T	5,6
		F	27,29,33
13350	T	F	29
	H	T	5,6
		F	27,29,33
13360	T	F	29
	H	T	5,6
		F	29,33
14000	T	F	9,8
		F	12,16,18,29,30,36,37,38,39
	O	F	36,37,38,39
	Q	F	30,36,37,38,39
	C	F	32
	S	F	12,13,36,37,38,39
	N	T	9,8
		F	36,37,38,39
	H	T	4,5,6,7,2,3
		F	12,14,15,16,25,26,27,28,29,33
14130		F	21
14211	T	F	16
		T	3,4,5,6,7
		F	15,16,25,26,27,33
14212	T	F	16

Table 2

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	H	T	3,5,6,7,4
		F	15,16,25,26,27,33
14230	H	T	6,4
		F	28,33
14240	T	T	29
		F	12,16,29,30
	Q	F	30
	S	F	18
	Z	T	19
	H	T	3,4,5,6,7,2
		F	12,14,15,16,26,28,29,33
14250	T	F	29
	H	T	5,6
		F	27,29,33
14260	T	F	29
	H	T	5,6
		F	27,29,33
14270	T	F	29
	H	T	5,6
		F	29,33
15100	O	T	10
	L	T	10
15200	T	T	39
	Z	T	29
15230	T	F	37,39
	O	F	37,39
	Q	F	37,39
	S	F	37,39
	Z	F	37,39
15330	T	T	29
	Z	T	29
16100	T	T	29
		F	37,39
	O	F	37,39
	Q	T	10
		F	34,37,39,40
	S	F	37,39
	Z	T	29
		F	37,39
	L	T	10
		F	34,40
16230	T	T	19
	Z	T	39
16340	C	F	10,11
	B	F	10,11
16420	O	F	34
	L	F	34
16430	T	T	39
	Z	T	39

SORTED DATA FILE NO E44SP065
DATE 10/17/85
PROJECT: MISS R 19 (600)
DETAIL:
REPORT: STP 65
MISC:
ENTRIES 274

LINE_NO_	TYPE OF_DoIo__	EQRMoI	LOCoIION_IN_REPoRI
11100	C	F	18,23
		E	34
11150	C	F	18,23
		E	34
11170	C	F	23
		E	34
11200	C	F	18,23
		E	34
	I	F	8
11240	I	E	34
	I	F	8
11440	I	F	8
11450	I	F	8
12230	T	F	20,27
	O	F	27
	Q	F	27
	S	F	27
	Z	F	20
	H	F	27
12280	T	F	20
	O	E	31
	Q	E	31
	Z	F	20
12290	T	E	26
	S	E	26
	H	E	26
12370	T	T	1
		F	20
	Q	T	1
	S	T	1
	Z	F	20
	H	T	1
13100	T	F	15,17
	O	F	17
	Q	F	15
	S	F	17
	Z	F	15
	H	F	17
13110	T	E	23
	O	E	23
	Q	E	16
	S	E	23
	Z	E	16
	H	E	19
	M	E	23
13200	M	T	1,2
		F	14,15,17,20,27
	O	F	27
		E	31
	Q	T	1,2
		F	14,17,27
		E	31
	U	F	15,16
	C	F	25,26,33
	B	F	25
	U	F	25
	S	T	1,2
		F	17,24,27
	I	F	15,19
	N	F	16,20
		T	19
	H	T	1,2
		F	17,27
13220	T	T	2
		E	23,25
	O	E	25
	Q	T	2
		E	23
	C	F	25,26
	B	E	25
		E	22
	U	F	25
	S	T	2
		E	24
		E	23,25
	H	E	25
		T	2
		E	23,25
13221	T	E	26
		E	22
	S	E	26
		E	26
13222	S	T	24
13229	T	E	23,25
		E	25
	O	E	23
	S	E	23,25
		E	25
	H	E	23,25
13240	T	T	1,2
		F	14,15,17,20,27
	O	F	27
		E	31
	Q	T	1,2
		F	14,17,27
		E	31
	U	F	15,16
	C	F	25,26,33
	B	F	25
	U	F	25
	S	T	1,2
		F	17,24,27
	I	F	15,19
	N	F	16,20

Table 2

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	H	T	1,2
		F	17,27
13330	T	T	1,2
	Q	T	1,2
	S	T	1,2
	Z	W	19
	H	T	1,2
13340	I	F	19
13350	I	F	19
13360	I	F	19
14000	T	T	1,2
		F	14,15,27
	O	F	27
	Q	T	1,2
		F	14,27
	U	F	15
	C	F	25,26,33
	B	F	25
	W	F	25
	S	T	1,2
		F	27
	I	F	15
	H	T	1,2
		F	27
14120	T	W	23
	Q	W	23
	B	W	22
	S	W	23
	H	W	23
14130	T	W	23,25,26
	O	W	25
	Q	W	23
	C	F	25
	B	F	25
		W	22,36
	W	F	25
	S	W	23,25,26
	I	W	36
	F	W	25
	H	W	23,25,26
14140	T	T	2
		W	23,25
	O	W	25
	Q	T	2
		W	23
	B	W	22
	S	T	2
		W	23,25
	F	W	25
	H	T	2
		W	23,25
14180	T	W	25
	O	W	25
	S	W	26
	F	W	26
	H	W	26
14211	T	T	1
	Q	T	1
	S	T	1
	H	T	1
14290	T	T	2
		F	27
		W	23,25
	O	F	27
		W	25
	Q	T	2
		F	27
		W	23
	S	T	2
		F	27
		W	23,25
	F	W	25
	H	T	2
		F	27
		W	23,25
16170	C	W	24
	B	W	24
16200	B	W	40-42
	S	F	21,22
	I	F	21,22
		W	40-42
16230	B	W	40-42
	S	F	21,22
	I	F	21,22
		W	40-42
16300	B	W	40-42
	S	F	21,22
	I	F	21,22
		W	40-42
16340	B	W	20

Table 2

SORTED DATA FILE NO E45B1111
DATE 10/21/85
PROJECT: PANAMA CANAL
DETAIL: GATE SEALS
REPORT: BHL 111-1
MISC:
ENTRIES 6

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
14180	0	D	4,5
14250	0	D	4,5
14260	0	D	4,5

SORTED DATA FILE NO E46SP066
DATE 10/21/85
PROJECT: MISS R 19 (1200)
DETAIL:
REPORT: STP 66
MISC:
ENTRIES 478

LINE NO.	TYPE OF DATA	EOR80I	LOCATION IN REPORT
11100	C	F	15,16,17,18
11200	T	T	9
	C	F	15,16,17,18
	I	F	14
	H	T	9
11240	C	F	15,16,17,18
	I	F	14
11300	Z	F	43
11430	T	T	9
	C	F	15,16,17,18
	H	T	9
11460	C	F	15,16,17,18,19,20
	B	F	19,20
12200	Z	F	43
12350	Z	F	43
13100	Z	F	43
13200	T	T	5,6,8,9
		F	26,27,28,31,48,49,50,51
	O	T	7
		F	27,28,31,48,49,50
	Q	T	7
		F	48,49,50
	C	F	23,24,25
	S	T	6
		F	26,27,28,31,44,45,48,49,50
	I	F	21,29,30
	IH	T	5,6,8,9,10,11
		F	26,27,28,31,46,47,48,49,50,51 52,53,54,55
13220	T	T	5,6,8
		F	26,27,28,31,48,49,50,51
	O	T	7
		F	27,28,31,48,49,50
	Q	T	7
		F	48,49,50
	C	F	23,24,25
	S	T	6
		F	26,27,28,31,48,49,50
	I	F	21,29,30,33
	IH	T	5,6,8,10,11
		F	26,27,28,31,46,47,48,49,50,51 52,53,54,55
13221	S	F	44,45
13222	ST	F	31
	O	F	31
	S	F	31,44,45
	I	F	29,30
	IH	F	31
13240	TO	F	26,27,28
	S	F	27,28
	SI	F	26,27,28
	IH	F	33
13320	T	T	26,27,28
	TO	T	8,9
	OM	T	7
13330	T	T	8,9
		F	6,8,9
	OQ	F	26,27,28,31,48,49,50,51
	S	T	27,28,31,48,49,50
		F	48,49,50
	IH	T	6
		F	26,27,28,31,48,49,50
		F	30
		T	6,8,9,10,11
		F	26,27,28,31,47,48,49,50,51,52 53,54,55
13350	Z	F	43
13370	ZT	T	6
		F	48,49
	CQ	F	48,49
	QS	F	48,49
	S	T	6
		F	48,49
	H	T	6,10,11
		F	46,47,48,49,52,53
14000	T	T	5,6,8,9
		F	26,27,28,31,48,49,50,51
	O	T	7
		F	27,28,31,48,49,50
	Q	T	7
		F	48,49,50
	CB	F	19,20,23,24,25
	BS	F	19,20
		T	6
		F	26,27,28,31,44,45,48,49,50
	IH	F	30
		T	5,6,8,9,10,11
		F	26,27,28,31,46,47,48,49,50,51 52,53,54,55
14110	C	F	19
	CB	F	19
14130	CB	F	20
	CB	F	20
14150	BF	F	56,57,58
14180	FC	F	23,24
14211	T	T	5
	TH	T	5,10
		F	52,53,54,55
14212	T	T	6
	TH	T	5,10
		F	52,53,54,55
14214	H	T	11
		F	55

Table 2

14230	SUB	T	8,9		
		T	7		
		T	8,9		
14240		F	6,8,9		
		F	26,27,28,31,48,49,50,51		
		F	27,28,31,48,49,50		
		F	48,49,50		
		F	6		
		F	26,27,28,31,48,49,50		
		F	30		
		F	6,8,9,10,11		
		F	26,27,28,31,47,48,49,50,51,52		
14290		T	53,54,55		
		F	6	48,49	
		F	48,49		
		F	48,49		
		F	6		
		F	48,49		
		F	56,57,58		
		F	6,10,11		
		F	46,47,48,49,52,53		
15170		F	40		
15200		F	40,41,42		
15250		F	40		
15330		F	42		
15360		F	40,41		
16100		T	40,41,42		
16200		F	8,9		
		F	27,28,31		
		F	27,28,31		
		F	39		
		F	36,37,38		
		F	27,28,31		
		F	35		
		F	40,41,42		
		T	8,9		
		F	27,28,31		
16230		F	39		
		F	36,37,38		
		F	35		
		F	40,41,42		
16300		F	39		
		F	36,37,38		
16340		T	3,4		
		T	9		
		F	39		
		T	36,37,38		
		T	3,4,9		
16420		T	8,9		
		T	36		
16430		T	8,9		
		F	31		
		F	31		
		F	36		
		F	31		

Table 2

SORTED DATA FILE NO E47SP075
DATE 10/21/85
PROJECT: BARKLEY
DETAIL:
REPORT: STP 75
MISC:
ENTRIES 284

LINE NO.	TYPE OF DATA	EDITED	LOCATION IN REPORT
11100	C	F	16
11150	C	F	16
11200	T	T	3,2
		F	15
	I	F	44
	Z	T	2,3
		F	15,26
11230	C	F	16
11240	I	F	44
11430	T	T	12
	Z	T	12
		F	26
11440	C	F	16
11450	Z	F	26
12100	T	T	15
		F	22
	Z	T	15
		F	22
	P	F	21,22
		F	20
12150	F	F	20
12160	Z	F	28
	P	F	21
12170	Z	F	28
12200	T	T	2,3,5
	Z	T	2,3,5
		F	26
	P	F	21
12230	T	F	23,25
	Z	F	23,25,28
	P	F	23
12240	Z	F	28
12330	T	T	12
	Z	T	2
		F	26,28
	F	F	20
12340	F	F	20
12350	Z	F	26
13100	T	T	46
	Z	T	26
		F	26
13200	T	T	2,3,6
		F	12,19,24,25,29,30,31,32,37
	O	F	12,19,29,30,31
	C	F	29,3031
		F	33
	I	F	6,7
	Z	T	2,3,6
		F	26,26
	H	F	12,19,24,29,30,31,37,39
13220	T	F	12,19,24,25,29,30,31,32,37
	O	F	12,19,29,30,31
	C	F	29,30,31
		F	33
	I	F	6,7
	Z	F	25,28
	H	F	12,19,24,29,30,31,37,39
13244	I	F	27
13320	T	F	31
	O	F	31
	H	F	31
13330	T	T	2,6
		F	12,19,24,29,30,31,32,37
	O	F	12,19,29,30,31
	O	F	29,30,31
	I	F	46
	Z	T	2,6
		F	26,28
	F	F	20
	H	F	12,19,24,29,30,31,37,39
13340	I	F	15
		F	15
13350	I	F	32
		F	46
	I	F	26
14000	T	T	2,3,5,6
		F	12,15,19,22,23,24,25,29,30,31
			32,37
	O	F	12,19,29,30,31
	O	F	29,30,31
	C	F	33
	Z	T	3,2,5,6
		F	15,22,23,25
		F	22,23
	P	F	12,19,24,29,30,31,37,39
14211	H	F	39
14212	H	F	39
14230	T	F	31
	O	F	31
	O	F	31
	H	F	31
14240	T	T	2,6
		F	12,19,24,29,30,31,32,37
	O	F	12,19,29,30,31
	O	F	29,30,31
	Z	T	2,6
	H	F	12,19,24,29,30,31,37,39
14250	T	F	15
	Z	F	15
14860	T	F	32
15100	F	F	20
15150	F	F	20
15200	T	T	6

Table 2

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	Z	T	6
		F	26
15330	T	T	26
	Z	T	6
		F	26
15340	Z	F	26
	F	F	28
16100	T	T	6
	Z	T	6
		F	26
16200	T	T	26
	U	F	34
	C	F	34
	I	F	10,34,35
	Z	T	26
		F	26
16230	I	F	10,35
16300	U	F	34
	C	F	34,36,38
	I	F	34
16340	C	F	36,38
16430	T	T	36
	U	F	34
	C	F	34,36
	I	F	34
	Z	T	26
		F	26
16440	U	F	34
	C	F	34,38
	I	F	34
	Z	F	26
16450	C	F	38

Table 2

SORTED DATA FILE NO E48MP622
DATE 10/21/85
PROJECT: ALPINE
DETAIL: PROTOTYPE
REPORT: MP 2-622
MISC:
ENTRIES 33

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
11100			
11430			
14400			
14150			
14240			

SORTED DATA FILE NO E49TR651
DATE 10/21/85
PROJECT: MITER GATE FORCE
DETAIL:
REPORT: TR 2-651
MISC:
ENTRIES 68

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
14110	F	D	33
14140	C	F	9
	F	T	1
		D	7,33,40,47,1-6,A27,8-25,A7-8 26-28,29-30,31-32,34-39,41-46 A9-10,A11-12,A13-14,A15-16 A17-18,A19-20,A21-24,A25-26
		F	7,10,12,15
		W	50-52
14180	F	D	A27,8-25,26-28,29-30,A17-18 A25-26
14210	F	T	1
		F	10
14240	F	T	21
		D	7,33,40,47,1-6,8-25,26-28 29-30,31-32,34-39,41-46,A9-10 A11-12,A21-24
14250	F	T	1
		D	7,40,47,1-6,8-25,26-28,29-30 34-39,41-46,A13-14,A15-16
		F	10
14290	F	D	A27,A25-26
		W	50-52

SORTED DATA FILE NO E50SP076
DATE 10/21/85
PROJECT: ST ANTHONY FALLS
DETAIL:
REPORT: STP 76
MISC:
ENTRIES 631

LINE NO.	TYPE OF DATA	EOR	LOCATION IN RECORD
11100	U	F	17
	C	F	24,A1,A2,A3,A4,A5,A6,A7
	I	F	17
	Z	F	17
11130	C	F	39
11150	C	F	36,A2,A3,A4,A5,A6,A7,A1
11200	T	T	14,15,16
		F	38,44
	Q	F	37,44
	U	F	17,6
	C	F	39,24
	I	F	17,6
	Z	T	13,14,15,16
		F	17
11210	Q	F	37
11220	Q	F	37
11230	C	F	36
11240	T	F	38
	U	F	17,6
	C	F	24,39
	I	F	6,17
	Z	F	17
11300	T	T	14,15,16,6,9,A5,A6
		F	26,28,29,30,A16
	O	T	A5,A6
		F	26
	S	F	26
	I	F	31
	Z	T	13,14,15,16,6,9,A5,A6
		F	31,A18,A19
	P	F	A16
	H	F	26
11420	Z	T	13
11430	T	T	15,16
		F	38
	U	F	17
	C	F	A5,A6
	I	F	17,31
	Z	T	15,16
		F	17,31
11440	C	F	36
11450	U	F	17
	I	F	17,31
	Z	F	17,31
11460	C	F	A1,A2,A3,A4,A5,A6
12100	T	T	A6
12200		F	26,28,29,30,44
	O	F	26
	Q	F	44,A8
	S	T	12
		F	26,35
	I	F	31
	Z	T	12,6
		F	31,34,35
	J	F	A8
	H	F	26
12200	T	T	14,15,17,18,9,6,A7,A10,16
		F	26,28,29,30,44,A17
	O	T	A7,A10
		F	26
	Q	F	44
	S	T	12
		F	26
	I	F	31,43
	Z	T	9,12,13,14,15,16,17,18,6,A7
			A10
		F	31,34,41,43,A20,A21
	P	T	A7
		F	A17
	H	F	26
12230	Z	F	34
12240		F	34,41
12270	S	T	11
		F	35
	I	F	35
12280		T	16
		T	16
12320	Z	T	13
12330	T	T	15,16,17,18
		F	26,28,29
	O	F	26,29
	Q	F	29,A8
	S	T	11,12
		F	26,35
	I	F	31
	Z	T	12,15,16,17,18
		F	31,35,41
	J	F	A8
	H	F	26,29
12350		F	A8
	S	T	11
		F	35
	I	F	31
	Z	F	31,35
		F	A8
12370	T	T	16
	Z	T	16
		F	41
13100	T	T	8,10,14,15,16,17,18,9,6,A7,7
			A9,A10,A18
		F	26,28,29,30
	O	T	A7,A9,A10,A12
		F	A26
	S	T	A12

Table 2

Table 2

		F	26
	I2	FT	31,43
			10,13,14,15,16,18,9,8,6,7,A7
			A9,A10,A12,12,17
		F	31,43
	PHT	TF	A7
		FF	26
13200		FT	10,14,15,6,17,18,9,8,7,A11,16
			A8
		F	26,28,29,30,42,44,47,48
	O	FT	A8,A11
		FF	26
	QCUSI2	FF	44,47
		FF	27,33,46,45
		FF	27
		FF	26
		FF	14,31,43
		FT	9,10,13,14,15,16,17,8,18,6,7
			A11,A8
		F	31,34,43
	HTOQCUSI2HTT2TTCI2MTCHT2T	FF	26,42,47,52
13220		FF	26,28,29,30,42,44,48,47
		FF	26
		FF	44,47
		FF	27,33,45,46
		FF	27
		FF	26
		FF	14,32,43
		FF	32,34,43
		FF	26,42,47,52
13221		FT	30
13222		TT	A6
		TF	36
13228		TF	30
13240		FF	42
		FF	33
		FF	14,32
		FF	A32
		FF	42,52
13244		FF	42
		FF	49
		FF	42
13320		FT	48
		TT	13
13330		TT	15,16,17,18
		FF	26,28,29,42,47,48
	QQCUSI2	FF	26,29
		FF	29,47
		FF	27,45,46
		FF	27
		FF	26
		FT	31,43
	HI2T	TF	15,16,17,18
		FF	31,43
13350		FF	26,29,42,47,52
		FF	14,31,43
14000		FT	31,43
		T	9,10,14,18,6,7,8,A1,A2,A3,16
		F	17
		F	25,26,28,29,30,38,42,44,48,A9
			A10,47
	O	T	A4
		FF	26,A9
	Q	TF	A2,A3,A4
		FF	25,47,A9,A10,44
	CBUS	FF	27,33,45,46
		FF	A23
		FF	27
		FT	A1
		FT	25,26
	ZHHTZT	FT	14,6,16,17,18,9,8,7,10
		FF	25,26,42,47,52
14211		FF	52
14212		FF	52
14230		FF	48
		FT	13
14240		TF	15,16,17,18
		FF	26,28,29,38,42,47,48
	QCUSI2HTQQCUSHTQSZLTOSI2	FF	26,29
		FF	29,47
		FF	27,45,46
		FF	27
		FF	26
		TF	15,16,17,18
		FF	26,29,42,47,52
14220		FF	25,26
		FF	26
		FF	25
		FF	27
		FF	27
		FF	25,26
		FF	25,26
15100		FT	8
		FT	A8
		TT	12
		TF	8,12
		FF	A8
15200		TT	10,14,15,16,17,18,8,7,A13
		TT	A13
		TT	12
		FT	31,43
		TF	10,12,14,15,16,8,18,7,A13,17
		F	31,43
	PZZSTSI2	FT	A13
15230		FF	A50
15240		FF	A50
15270		FT	11
15330		TT	15,16,17,18
		TT	11,12
		FT	31
		FT	12,15,16,17,18
		FF	50,31
15340	QSLI	FF	A8
		FT	11
		FF	A8
15350		F	31

Table 2

50 3 of 3

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15360                                                    31,50
16100                                                    50
                                                         10,7,17,18,8,A14
                                                         A14
16200                                                    10,7,18,8,A14,17
                                                         10,17,18,8,7,A14
                                                         28,29,47,48,51
                                                         A14
                                                         47
                                                         51
                                                         10,31,51
                                                         10,7,17,8,18,A14
16230                                                    10,31,50
                                                         47
                                                         28,29,47,48,51
                                                         47
                                                         51
                                                         10,31,51
16300                                                    10,31,50
                                                         47
                                                         51
                                                         51
                                                         51
16330                                                    31
                                                         31
                                                         A31
16350                                                    31
16420                                                    48,51
                                                         51
                                                         A51
16430                                                    17,18
                                                         28,29,47,48
                                                         29
                                                         29,47
                                                         17,18
                                                         A50
                                                         29,47
16450                                                    50
```

SORTED DATA FILE NO ES1TR678
DATE 10/21/85
PROJECT: JONESVILLE
DETAIL:
REPORT: TR 2-678
MISC:
ENTRIES 417

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11150	C	P	1
11200	Z	T	16
11240	V	D	9
	I	D	9
12200	Z	T	16
12230	Z	D	10
12330	Z	D	10
13100	Z	T	16,17
13242	T	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,14,15,16,17,18,19,20,21 22,23,24,25,26,27,28,29,30,31 32,33,34,35,36
	O	D	14,15,18,23
	Q	DP	14,15,18,23
	C	P	2,3,4,5,6
	S	D	14,18
	H	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,14,15,16,17,18,20,21,22 23,25,26,27,28,29,30,31,32,33 34,35,36
13254	T	T	12
		DT	30
	H	T	12
		D	30
13265	T	T	5,6,9,10
	H	T	5,6,9,10
13320	T	T	11
		D	28,29
	H	T	11
		D	28,29
13330	T	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,16,17,19,21,22,24,26,27 28,29,30,31,32,33,34
	H	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,16,17,21,22,26,27,28,29 30,31,32,33,34
13340	T	T	5,9
	H	T	5,9
13350	T	T	5,6,9,10
	H	T	5,6,9,10
13360	T	T	6,10
	H	T	6,10
14000	T	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15,16,17
		D	12,13,14,15,16,17,18,19,20,21 22,23,24,25,26,27,28,29,30,31 32,33,34,35,36
	O	D	14,15,18,23
	Q	DP	14,15,18,23
	C	P	2,3,4,5,6
	S	D	14,18
	H	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,14,15,16,17,18,20,21,22 23,25,26,27,28,29,30,31,32,33 34,35,36
14120	T	T	13
		DT	31
	H	T	13
		D	31
14211	T	T	2,4,8,15
		D	12,13,17,22
	H	T	2,4,8,15
		D	12,13,17,22
14212	T	T	2,4,8,15
		D	12,13,17,22
	H	T	2,4,8,15
		D	12,13,17,22
14230	T	T	11
		D	28,29
	H	T	11
		D	28,29
14240	T	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,16,17,19,21,22,24,26,27 28,29,30,31,32,33,34
	H	T	2,3,4,5,6,7,8,9,10,11,12,13,14 15
		D	12,13,16,17,21,22,26,27,28,29 30,31,32,33,34
14250	T	T	5,9
	HT	TT	5,9
14260			5,6,9,10
	HT	TT	5,6,9,10
14270			6,10
	HT	TT	6,10
14280			5,6,9,10
	HT	TT	5,6,9,10
15200	ZZ	TT	17
16200			17
16230	ZU	TD	11
	I	D	11

Table 2

SORTED DATA FILE NO ES2856-1
DATE 10/21/85
PROJECT: THE DALLES
DETAIL:
REPORT: BHL 56-1
MISC:
ENTRIES 452

LINE NO.	TYPE OF DATA		RECORD	LOCATION IN RECORD
11100		T	D	B
			D	8,32,33,34,36,37,38,9,39
		O	D	8,32,34,9
		OVC	D	12,15,16
		OVCS	D	9,7,8
		OVCSI	D	34,36,37,38,9,39
		OVCSIM	D	15,16
		OVCSIMT	D	B
		OVCSIMTD	D	34,36,37,38,9,39
11150		CT	D	7,8,1
11160		CT	T	B
			D	32
		O	D	32
		OVC	D	12,15,16
		OVCI	D	8,9
		OVCIM	D	15,16
		OVCIMT	D	B
11420		OVCIMTO	D	33,34,39
		OVCIMTOS	D	34
		OVCIMTOSH	D	34,39
		OVCIMTOSHT	D	34,39
11430		OVCIMTOSHTO	D	33,34,37,38
		OVCIMTOSHTOS	D	34
		OVCIMTOSHTOSH	D	34,37,38
		OVCIMTOSHTOSHT	D	34,37,38
11450		OVCIMTOSHTOSHTO	D	8,9,32,34,36
		OVCIMTOSHTOSHTOS	D	8,9,32,34
		OVCIMTOSHTOSHTOSH	D	9,34,36
		OVCIMTOSHTOSHTOSHP	D	9,34,36
12230		OVCIMTOSHTOSHTOSHPP	D	24,40
12330		OVCIMTOSHTOSHTOSHPPP	D	24
12350		OVCIMTOSHTOSHTOSHPPPT	D	40
13250		T	T	B,A,C
			D	17,8,18,22,23,25,26,27,28,29 32,33,34,36,37,38,39,9,41
		O	D	17,8,22,25,27,28,32,34,9,41
		OC	D	12,13,2
		OCB	D	12,2,13
		OCBS	D	9,19,34,36,37,38,39,41
		OCBSP	D	24,40
		OCBSPH	T	A,B,C
			D	18,19,23,26,27,28,29,34,36,37 38,39,9,41
13320		T	T	B,C
			D	33,34,39
		O	D	34
		OS	D	34,39
		OSH	T	B,C
			D	34,39
13330		T	T	A,B
			D	17,18,22,23,25,26,27,28,29,33 34,37,38
		O	D	17,22,25,27,28,34
		OSH	D	19,34,37,38
		OSHT	T	A,B
			D	18,19,23,26,27,28,29,34,37,38
13340		T	T	1B
		TH	T	1B
13350		THT	D	9,8,32,34,36
		O	D	9,8,32,34
		OS	D	9,34,36
		OSP	D	40
		OSPH	D	9,34,36
13360		OSPHT	T	2C
			D	9,8,32
		O	D	9,8,32
		OS	D	19
		OSH	T	2C
			D	19
14150		B	P	15
		BU	P	15
		BUS	D	43,44
		BUSI	D	43,44
		BUSIF	D	45
		BUSIFU	D	47-52
		BUSIFUT	D	47-52
14180		BUSIFUTA	T	A,B
			D	17,8,18,22,23,25,26,27,28,29 32,33,34,36,37,38,39,9,41
		O	D	9,17,8,22,25,27,28,32,34,41
		OC	D	12,2,13
		OCB	D	12,2,13
		OCBS	D	9,19,34,36,37,38,39,41
		OCBSP	D	24,40
		OCBSPH	T	A,B
			D	18,19,9,23,26,27,28,29,34,36 37,38,39,41
14211		T	D	29
		TO	D	29
		TOS	D	29
		TOSH	D	29
14212		TOSHT	T	1A
			D	29
		O	D	39
		OS	D	39
		OSH	T	1A
			D	29
14230		T	T	B,C
			D	33,34,39
		O	D	34
		OS	D	34,39
		OSH	T	B,C
			D	34,39
14240		T	T	A,B

Table 2

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		D	17,18,22,23,25,26,27,28,29,33 34,37,38
	O	D	17,22,25,27,28,34
	S	D	19,34,37,38
	H	T	A,B
		D	18,19,23,26,27,28,29,34,37,38
14250	T	T	1B
	W	D	43,44
	S	D	43,44
	F	D	45
		W	47-52
	A	W	47-52
	H	T	1B
14260	T	D	9,8,32,34,36
	O	D	9,8,32,34
	S	D	9,34,36
	P	D	40
	H	D	9,34,36
14270	T	T	3C
		D	9,8,32
	O	D	9,8,32
	S	D	19
	H	T	2C
		D	19
14290	T	D	20
	W	D	43,44
	S	D	43,44
	F	D	45
		W	47-52
	A	W	47-52
	H	D	20
16200	T	T	2C
		D	8,9,32,33,41
	O	D	9,8,32,41
	C	P	14
	B	P	14
	S	D	9,41
	H	T	2C
		D	9,41
16300	T	D	8,9
	O	D	8,9
	V	D	11,30,42
	C	P	10,3
	W	D	10
	S	D	10,9
	I	D	11,30,42
	H	D	9
16420	T	T	3C
		D	33
	H	T	3C
16450	T	T	3C
		D	9,8,32
	O	D	9,32,8
	W	D	10
	S	D	10,9
	H	T	3C
		D	19

SORTED DATA FILE NO E53TR685
DATE 10/21/85
PROJECT: JACKSON
DETAIL: PROTOTYPE
REPORT: TR 2-685
MISC:
ENTRIES 45

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
12150	T	D	3
12330	T	D	13
14000	T	D	3,4
	O	D	7,5,3,4,6
	S	D	4,5
		W	43-46
	A	W	43-46
	M	D	10,7,9,5,6,8
		W	43-46
14212	O	D	37
	M	D	37
14214	O	D	6,5
	S	D	15
	M	D	9,10,5,8,6
14240	T	D	3,4
	O	D	5,4,3,6,7
	S	D	5,4
	M	D	10,5,6,7,8,9

Table 2

SORTED DATA FILE NO ES4TR689
DATE 10/21/85
PROJECT: BARKLEY
DETAIL: OUTLET & GATE
REPORT: TR 2-689
MISC:
ENTRIES 132

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
14150	B	P	18
	BU	P	18
	Z	T	10,12,13,14,9,8
	L	T	11,15,17,18,19,20,21,22
	F	T	1,16,23,24,25,5,26,27,28,29,2
			3,6,7,4
		P	18
		D	17,18,21,22
14240	B	P	18
	BU	P	18
	Z	T	10,12,13,14,8,9
	L	T	11,15,17,18,19,20,21,22
	F	T	2,1,7,23,24,25,26,27,28,29,3,5
			4,6
		P	18
		D	17,18,21,22
14250	Z	T	8,10,12,13,14,9
	L	T	11,15,17,18,19,20,21,22
	F	T	2,4,23,24,25,26,27,28,29,1,3,5
			6
		D	17,21
14260	F	T	4,2,3
16340	C	P	7,10,11,8,9
		U	33-37
	B	D	11
	BU	D	11
		U	33-37
	S	U	33-37
16440	C	P	10,11,7,8,9
16450	C	P	10,11,7,8,9
	B	D	11
	BU	D	11
16460	C	P	10,11,7,8,9
	B	D	11
	BU	D	11

SORTED DATA FILE NO E55TR698
DATE 10/21/85
PROJECT: HOLT
DETAIL:
REPORT: TR 2-698
MISC:
ENTRIES 319

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11150	C	P	37
11260	V	D	7
11300	T	T	15
	Z	T	15,8
12100	Q	D	33,45
	F	T	19,20,21,22,26
		D	23,24,25,36,37,38,39,40,41,43 44,46,47,48,49,51,52,53
12150	F	T	19,20,21,22,26
		D	23,24,25,36,37,38,39,40,41,43 44,46,47,48,49,51,52,53
12160	T	T	19
		D	22
	P	T	19
		D	22
	H	T	19
		D	22
12170	F	T	26
		D	25
12200	T	T	15
	Z	T	15,8
12330	Q	D	45
	F	T	19,20,21,22,26
		D	23,24,25,43,44,46,47,48,49,51 52,53
12350	F	T	20
12360	T	T	29
		D	22
	P	T	29
		D	22
	H	T	29
		D	22
12380	F	T	19,21,22,26
		D	23,24,25
13100	T	T	15,18
	Z	T	1,2,15,18,8
13220	T	T	15,18
	Z	T	1,2,15,18
13222	T	T	10,12,13,3,14,16,17,4,5,6,7,9 11
		D	12,14,15,16,17,18,19,20,22,23 26,27,28,29,30,31
	O	D	14,18
	Q	D	14,23,27,18
	I	D	11
	Z	T	18
13224	T	T	5,3,4
	T	T	3,5,4
13229	T	T	5,3,4
	T	T	1,2
	T	T	5,3,4
13240	T	T	3,5,4
	I	D	11
	I	T	1,2
	T	T	3,5,4
13244	T	T	12,13,14
		D	16,30,31
	T	T	12,13,14
		D	16,30,31
13250	T	T	15
	T	T	15
13320	T	T	13,17
	T	T	13,17
13330	T	T	10,11,12,3,13,14,5,16,6,17,9,4 7
	P	T	19
	P	T	3,6,10,11,12,13,14,5,16,17,9,4 7
13340	T	T	10,7
	T	T	10,7
14000	C	P	8,9
14130	T	T	10,14,5,6,7
		D	17,19,20,30
	T	T	10,14,5,6,7
		D	17,19,20,30
14211	T	T	7,10,12,16,6
	T	T	10,12,16,6,7
14212	T	T	10,12,16,7,6
	T	T	10,12,16,7,6
14240	T	T	10,12,13,4,14,5,16,17,3,6,7,9 11
	P	T	29
	P	T	10,12,13,14,5,16,6,17,7,3,9,11 4
15200	T	T	18
	Z	T	18
16100	T	T	18
	Z	T	18

SORTED DATA FILE NO ES6MP794
DATE 10/21/85
PROJECT: CULVERT OUTLET
DETAIL: BASIN
REPORT: MP 2-794
MISC:
ENTRIES 54

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
14000	S	T	2,3,4,5,6,7
	L	T	2,3,4,5,6,7
		D	3,4,5,6,7,8
16340	S	T	2,3,4,5,6,7
	L	T	2,3,4,5,6,7
		D	3,4,5,6,7,8
16460	S	T	2,3,4,5,6,7
	L	T	2,3,4,5,6,7
		D	3,4,5,6,7,8

Table 2

SORTED DATA FILE NO E57TR713
DATE 10/21/85
PROJECT: CANNELTON
DETAIL:
REPORT: TR 2-713
MISC:
ENTRIES 753

LINE NO.	TYPE OF DATA	EDIT	LOCATION IN REPORT
11150	C	P	1
11200	T	T	16
	Z	T	16
11240	V	D	9
	I	D	9
12200	T	T	16
	Z	T	16
12230	P	T	1
		D	10,11
12330	P	T	1
		D	10,11
12340	P	T	1
		D	11
12350	P	T	1
13100	T	T	16,17
	Z	T	16,17
13242	T	T	4,5,6,7,8,9,10,11,12,13,14,15 16,17,18,19,20,21,22,23,24,25 26,27,28,29,30,31,32,33,34
		D	15,16,17,18,20,21,22,25,28,29 30,31,32,34,35,36,37,38,39,40 43,44,45,46,47,48,49,50,51,52 55,56,57,58,59,60,61,62,63,64 65,66,67,68,69,70,71,72,73
	O	D	17,18,31,32
	Q	D	17,18,31,32,49,68
	V	D	19,33
	C	P	2,3,4,5,6,7
	S	D	17,18,31,32,49,68
	I	D	19,33
	Z	T	16,17
	H	T	4,5,6,7,8,9,10,11,12,13,14,15 18,19,20,21,22,23,24,25,26,27 28,29,30,31,32,33,34
		D	15,16,17,18,20,21,22,24,25,26 27,28,29,30,31,32,35,36,37,38 39,40,41,42,43,44,46,47,48,49 50,51,53,54,55,56,57,58,59,60 61,62,63,64,65,66,67,68,69,70 72,73
13244	T	T	10,11
	H	T	10,11
		D	26
13251	T	T	14,31,32,33,34
		D	66,67,68,69,70,71,72,73
	Q	D	68
	S	D	68
	H	T	14,31,32,33,34
		D	66,67,68,69,70,72,73
13252	T	T	14,31,32,33,34
		D	66,67,68,69,70,71,72,73
	Q	D	68
	S	D	68
	H	T	14,31,32,33,34
		D	66,67,68,69,70,72,73
13254	T	T	5,6,14,21,22,26,27
		D	20,43,44,45,55,56,57,58,66,67 68,69,70,71,72,73
	Q	D	68
	S	D	68
	H	T	5,6,14,21,22,26,27
		D	20,41,42,43,44,53,54,55,56,57 58,66,67,68,69,70,72,73
13265	T	T	7,18,19,20,24,25,29,30,32,33
		D	22,35,36,37,39,40,50,51,69,70
	P	T	1
	H	T	7,18,19,20,24,25,29,30,32,33
		D	22,35,36,37,39,40,50,51,69,70
13320	V	D	19,33
	I	D	19,33
13330	T	T	4,5,6,7,8,9,10,11,12,13,14,15 18,19,20,21,22,23,24,25,26,27 29,30,31,32,33,34
		D	15,16,20,21,22,25,28,29,30,31 34,37,38,39,40,43,44,45,48,52 55,56,59,60,61,62,63,64,65,66 67,71,72,73
	Q	D	31
	Q	D	31
	S	T	4,5,6,7,8,9,10,11,12,13,14,15 18,19,20,21,22,23,24,25,26,27 29,30,31,32,33,34
		D	15,16,20,21,22,24,25,26,27,28 29,30,31,37,38,39,40,43,44,48 55,56,59,60,61,62,63,64,65,66 67,72,73
13340	T	T	7,18,20,24,29,32
		D	34,35,37,39,50,52,60,62,64,69 71
	H	T	7,18,20,24,29,32
		D	35,37,39,50,60,62,64,69
13350	T	T	7,18,19,20,24,25,29,30,32,33
		D	22,34,35,36,37,38,39,40,50,51 52,60,61,62,63,64,65,69,70,71
	H	T	7,18,19,20,24,25,29,30,32,33
		D	22,35,36,37,38,39,40,50,51,60 61,62,63,64,65,69,70
13360	T	T	19,20,25,30,33
		D	22,36,38,40,51,52,61,63,65,70 71
	H	T	19,20,25,30,33
		D	22,36,38,40,51,61,63,65,70
14000	C	P	2,3,4,5,6,7

Table 2

Table 2

14130	T	T		8,9,12,13,23,24,25,28,31,32,33
				34
				25,28,46,47,48,49,50,51,52
				49
				8,9,12,13,23,24,25,28,31,32,33
				34
				24,25,27,28,46,47,48,49,50,51
14211	T	T		4,15,16,20,29,30,34
				15,16,37,38,39,40,60,61,62,63
				64,65,72,73
	H	T		4,15,16,20,29,30,34
				15,16,37,38,39,40,60,61,62,63
				64,65,72,73
14212	T	T		4,15,20,29,30,34
				15,16,37,38,39,40,60,61,62,63
				64,65,72,73
	H	T		4,15,20,29,30,34
				15,16,37,38,39,40,60,61,62,63
				64,65,72,73
14213	T	T		15,30
	H	T		29,30
				15,30
15200	T	T		29,30
				17
	N	T		17
15230	A	T		12
15330	A	T		12
15350	A	T		12
16100	N	T		17
				17

SORTED DATA FILE NO ES8TR718
DATE 10/21/85
PROJECT: MILLERS FERRY
DETAIL: AND JONES BLUFF
REPORT: TR 2-718
MISC:
ENTRIES 450

LINE NO.	TYPE OF DATA	EQUIP	LOCATION IN REPORT
11150	C	P	1
		PU	16
11240	U	UD	6
	I	DT	6
11300	I	T	11,21
	I	T	11,21
11440	C	UT	16
12160	C	P	10
	P	T	10
	H	T	10
12200	T	Z	11,21
	Z	T	11,21
12230	P	D	31,32
12330	T	P	10
	P	T	10
	H	T	10
12360	T	P	10
	P	H	10
13100	T	Z	11,12,21,22
	Z	T	11,12,21,22
13200	T	Z	11,21
	Z	T	11,21
13223	T	D	3,14,16,17,18,19,20,21,22
		D	16,35,39,40,41,43,44,45
	Q	DD	43
	Z	H	21,22
	H	D	3,14,16,17,18,19,20
		D	16,35,39,40,41,43,44
13231	T	D	2,3,5,6,7,8,9,10,11,12,14,16
			17,18,19,20,21,22
		D	8,9,10,11,15,16,20,21,22,24,25
			26,27,28,29,35,39,40,41,43,44
			45
	Q	DD	10,11,26
	Q	DD	10,11,26,27,43
	Q	S	10,11,26,27
	S	I	12
	I	Z	11,12,21,22
	Z	P	10
	P	H	2,3,5,6,7,8,9,10,14,16,17,18
			19,20
		D	8,9,10,11,15,16,20,21,22,24,25
			26,27,28,35,39,40,41,43,44
13236	T	D	21
	H	D	21
13242	T	T	2,3,5,6,7,8,9,10,11,12,14,16
			17,18,19,20,21,22
		D	8,9,10,11,15,15,16,20,21,22,24
			25,26,27,28,29,35,39,40,41,43
			44,45
	Q	DD	10,11,26
	Q	DD	10,11,26,27,43
	Q	DD	2,3,4,5
	S	DD	10,11,26,27
	S	I	12
	I	N	11,12,21,22
	N	T	10
	H	T	2,3,5,6,7,8,9,10,14,16,17,18
			19,20
		D	8,9,10,11,15,15,16,20,21,22,24
			25,26,27,28,35,39,40,41,43,44
13244	I	DT	12
13320	I	T	7,20
	H	T	7,20
13330	T	T	2,3,5,6,7,8,9,10,17,18,19,20
			21,22
		D	8,9,10,11,15,16,20,21,22,24,25
			26,27,29,35,39,40,41,43,45
	Q	DD	10,11,26
	Q	DD	10,11,26,27,43
	Q	S	10,11,26,27
	S	I	21,22
	I	N	10
	I	DT	31,32
	N	T	2,3,5,6,7,8,9,10,17,18,19,20
		D	8,9,10,11,15,16,20,21,22,24,25
			26,27,35,39,40,41,43
13340	T	T	8,14,16,18
		D	28,29,44,45
	U	DD	6
	U	DT	6
	U	H	8,14,16,18
	H	DT	28,44
13350	T	T	8,9,14,16,18,19
		D	28,29,44,45
	U	DD	6
	U	DD	6
	U	H	8,9,14,16,18,19
	H	DT	28,44
13360	T	T	9,19
		DT	29,45
	M	CT	9,19
	M	HT	2,3,4,5
14000	P	DD	15,16
14130	D	T	15,16
	D	T	2,5,6,17,20
14211	T	D	8,9,24,25,40,41
	T	D	2,5,6,17,20
	H	T	8,9,24,25,40,41
	D	T	2,5,6,17,20
14212	T	D	8,9,24,25,40,41
	T	H	2,5,6,17,20
	D	D	8,9,24,25,40,41

Table 2

58 2 of 2

16100	T	T	4,5
	Z	T	4,5

SORTED DATA FILE NO ES9TR734
DATE 10/21/85
PROJECT: GREENUP
DETAIL: PROTOTYPE
REPORT: TR 2-734
MISC:
ENTRIES 66

LINE NO.	TYPE OF DATA	EDITOR	LOCATION IN REPORT
11200	L	D	7
11270	Z	D	10
11430	L	D	17
11460	Z	D	10
	L	D	17
12100	L	D	28
12150	T	D	6,9
	Q	D	39
12200	T	T	4,5
	Z	T	4,5
		D	10
12330	T	D	26
	L	D	28
12380	T	D	6,9
	Q	D	49
	L	D	28
13000	T	D	39
	Q	D	19
13100	T	T	4,5
	Z	T	4,5
		D	11
13200	T	T	5,4
	Z	T	4,5
		D	11
13320	T	T	4,5
	Z	T	4,5
13330	T	T	24
	Z	T	14
13370	T	T	5,4
		D	49
	Q	D	49
	Z	T	4,5
		D	11
15150	T	D	6,9
	Q	D	49
15200	T	T	5,4
	Z	T	4,5
		D	11
15290	Z	D	11
	L	D	17
15330	T	D	16
	L	D	17
15360	T	D	9,6
	Q	D	29
	Z	D	11
	L	D	17

Table 2

15200	T	T	14,4,8
	Z	T	14,8,4

SORTED DATA FILE NO E60TR739
DATE 10/21/85
PROJECT: CORDELL HULL
DETAIL:
REPORT: TR 2-789
MISC:
ENTRIES 204

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
12160	P	D	23
	H	D	24,25
12200	T	T	3,13,7
	Z	T	13,7,3
12230	P	D	20,21,22,23
12260	P	D	21,22
12360	P	D	23
	H	D	24,25
13100	T	T	3,13,14,8,4,7
	Z	T	13,4,14,7,8,3
13240	T	T	10,11,2,12,13,3,14,15,5,6,7,4 8,9
		D	10,11,12,13,14,15,16,17,18,19 27,8,9,29,30
	O	D	16,17,8,9
	Q	D	16,17,8,9
	C	P	4,1,2,5,6,3,7
	S	D	31
	Z	T	13,14,8,4,7,3
	P	D	16,20,21,22,23,8
	H	T	2,6,10,11,12,15,5,9
		D	10,11,12,13,14,15,16,17,18,19 24,25,27,8,9,29,30,31
13320	T	T	19
	P	D	23
	H	T	19
13330	T	T	10,11,12,15,5,6,9,2
		D	10,12,13,14,15,18,19,27,29,30
	P	D	20,21,22,23
	H	T	5,10,11,12,15,6,9,2
		D	10,12,13,14,15,18,19,24,27,29 30
13340	T	T	10,11
		D	18,19
	P	D	21,22
	H	T	10,11
		D	18,19
14000	C	P	4,1,5,6,2,3,7
14211	T	T	11,2
		D	10,11,14,15
	H	T	11,2
		D	10,11,14,15
14212	T	T	11,2
		D	10,11,14,15
	H	T	11,2
		D	10,11,14,15

SORTED DATA FILE NO E61TR743
DATE 10/31/85
PROJECT: ARK R LOW-LIFT
DETAIL:
REPORT: TR 2-743
MISC:
ENTRIES 733

LINE NO.	TYPE OF DATA	EDIT	LOCATION IN REPORT
11100	C	P	1,2,3,4
11130	V	D	10,11,12,13
	C	T	1
		P	3,4
	I	D	10,11,12,13
11150	C	T	1
		P	1,2,3,4
		W	16,18,19
11200	Z	T	8,9,10
11230	C	P	1,2,3,4
11241	V	D	10,11,12,13
	C	T	1
		P	1,2,3,4
	I	D	10,11,12,13
11271	C	T	1
	Z	T	2
11400	Z	T	8
11430	C	T	1
11440	C	T	1
	Z	T	9,10
11450	C	T	1
	Z	T	9,10
12200	Z	T	8,9,10
12230	T	T	3
	P	T	3
12300	Z	T	8
12330	T	T	3
	P	T	3
12340	T	T	3
	Z	T	9,10
	P	T	3
12350	T	T	3
	Z	T	9,10
	P	T	3
13100	Z	T	8,9,10,11,12,13
13240	I	F	7
13241	T	T	6,7,14,15,16,17,24,25,26,27,28 29,30,31
		D	35,36,37,38,46,51,52,53,59,60
	V	D	47
	C	P	5,6,7,8,9,10,11,12,13,14,15,16 17,18,19,20,21,22,23
		W	66
	B	W	66
	S	W	43
	I	D	47
	H	T	6,7,14,15,16,17,24,25,26,27,28 29,30,31
		D	29,30,31,32,33,34,35,37,43,45 48,49,50,51,52,59
13242	T	T	6,7,24,25,26,27,28,29,30,31,34 35,36
		D	28,27,28,35,36,37,38,46,51,52 53,59,60
	V	D	20,21,22,23,24,25,47
	V	P	5,6,7,8,9,10,11,12,13,14,15,16 17,18,19,20,21,22,23
		W	33,38,52,66
	B	W	33,38,52,66
	H	W	20,21,22,23,24,25,26,27,28,47
	H	T	6,7,24,25,26,27,28,29,30,31,34 35,36
		D	29,30,31,32,33,34,35,37,45,46 49,50,51,52,59
13244	T	T	21,22,23
		D	42,44
	C	W	50
	C	W	50
	S	W	43
	H	T	21,22,23
		D	42,43,44
13251	T	T	34,35,36
		D	59,60
	C	P	23
		W	66
	B	W	66
	H	T	34,35,36
		D	59
13252	T	T	24,25,26,27,28,29,30,31,34,35 36
		D	46,51,52,53,59,60
	V	D	47
	V	P	16,17,18,19,20,21,22,23
		W	54,66
	B	W	54,66
	H	W	47
	H	T	24,25,26,27,28,29,30,31,34,35 36
		D	45,46,49,50,51,52,59
13265	T	T	14,15,16,17,19,20,21,22,23,26 27,30,31,35,36
		D	35,37,44,48,59
	C	W	9,10,11,12,13,14,15
	H	T	14,15,16,17,19,20,21,22,23,26 27,30,31,35,36
		D	35,37,44,48,59
13300	Z	T	8
13320	T	T	21,25,28,29
		D	36,38
	H	T	21,25,28,29
13330	T	T	6,7,14,15,16,17,21,22,23,25,26 27,29,30,31,35,36
		D	30,39,46,60
	H	T	6,7,14,15,16,17,21,22,23,25,26

			27,29,30,31,35,36
		D	31,32,33,34,46
13340	T	DT	14,15,16,17,28,27,30,35
		D	35,37,44,48,52,59,60
	ZH	T	9,10
		TD	14,15,16,17,26,27,30,35
		D	35,37,44,48,52,59
13350	T	DT	14,15,16,17,19,20,21,22,23,26
			27,31,35,36
		D	35,36,37,38,44,48,52,59,60
	CZH	DPT	9,10,11,12,13,14,15
		T	9,10,11,12,13
	H	TT	14,15,16,17,19,20,21,22,23,26
			27,31,35,36
		D	35,37,44,48,52,59
13360	T	DT	15,17,20,22,31,36
	ZH	TT	11,12,13
		TT	15,17,20,22,31,36
14000		TD	5,8,9,10,11,12,13
	TOVC	D	26,27,28
		DP	18,19,21
	C	P	5,6,7,8,9,10,11,12,13,14,15,16
			17,18,19,20,21,22,23
		WJ	33,38
	BIH	WJD	33,38
		T	18,19,21
		T	5
14120	T	TD	18,19,20,32,33
		DP	39,40,41,42,54,55,56,57,58
	C	P	21,22
		WJ	45,49,62
	BSH	WJD	46,49,62
		T	43
	H	DT	18,19,20,32,33
		D	39,40,42,43,54,55,56,57,58
14211	T	DT	5,21,25,29,32
		D	55,56
	H	DT	5,21,25,29,32
		D	55,56
14212	T	DT	5,21,25,29,32
		D	55,56
	H	DT	5,21,25,29,32
		D	55,56
14220	V	DD	18,19
	VI	D	18,19
14230	T	DT	5,18,32,33
		D	41,53
	H	DT	5,18,32,33
14240	T	TD	5,18,19,20,32,33
		D	39,41,53,55,56,57,58
	H	DT	5,18,19,20,32,33
		D	39,55,56,57,58
14250	T	DT	19
		D	40,41,53
	H	DT	19
		D	40
14260	TH	DT	20
		T	20
14280	T	T	14,15,16,17,19,20,21,22,23,26
			27,30,31,33
	H	T	14,15,16,17,19,20,21,22,23,26
			27,30,31,33
		D	33,34
15200	Z	DT	11,12,13
15340	ZZ	TT	11,12,13
15350	ZZ	TT	11,12,13
16100	ZZ	TT	11,12,13
16200	ZZ	TT	11,12,13
16230	VI	DD	16
	IZ	DT	16
16440	IZ	DT	11,12,13
16450	Z	T	11,12,13

Table 2

SORTED DATA FILE NO E62TR778
DATE 10/23/86
PROJECT: MCALPINE
DETAIL:
REPORT: TR 2-778
MISC:
ENTRIES 83

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11150	C	P	1
11200	T	D	19
	U	D	18
	I	D	18
	N	D	12
	M	D	19
12200	N	D	12
13100	B	P	2
	U	P	12
	I	P	12
13170	T	D	20
	B	P	12
	U	P	2
	I	P	2
	M	D	20
13200	B	P	12
	U	P	2
	I	P	2
	N	T	2,3
13242	T	D	1,4,5
		D	6,7,14,5,15,16,19,20
		D	20
	O	D	6,5
	O	D	6,7,15,5
	B	P	3,4
	U	P	3
	N	T	2,3
		D	1,5,4
		D	14,15,16,7,19,20
13330	T	D	1
		D	5,14,16,19
	O	D	5
	O	D	5
	H	D	1
		D	14,16,19
13350	N	T	3,2
13370	T	D	5,6
		D	20
	O	D	6,5
	O	D	5,6
14000	B	P	3,4
	U	D	13
14211	T	D	16
	H	D	16
14212	H	D	16
15200	N	T	3
16200	U	D	21
	M	T	21
	N	T	3

Table 2

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SORTED DATA FILE NO E63W6804
DATE 10/23/85
PROJECT: NEUBURGH
DETAIL: VALVE POSTION
REPORT: TR H-64-4
MISC:
ENTRIES 41

LINE NO.	TYPE OF DATA		EQUIP	LOCATION IN RECORD
12230		Z	D	4,5,6
			D	6
12330		Z	D	5,4,6
12340		Z	D	5,6,4
13170		F	D	11
		M	D	8,9
		F	D	7
		M	D	1,8,9
13200		F	D	10
13330		F	D	11
		N	D	8,10,9
		M	D	16
13340		F	D	11
		N	D	8,9
		M	D	11
		F	D	8,10,9
		N	D	6
		M	D	11
13350		F	D	8,9
		F	D	1
		M	D	8,9
14000		F	D	11
			D	8,9
			D	10

SORTED DATA FILE NO E64M6906
DATE 10/23/85
PROJECT: DARDANELLE
DETAIL:
REPORT: TR M-69-5
MISC:
ENTRIES 180

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
12200	T	T	10,11,12,5,6
	Z	T	5,10,11,12,6
12230	Z	D	16,23
	P	D	16,23
12290	T	D	14
		D	16
	P	D	16
	M	D	14
12380	T	T	14
		D	16
	P	D	16
	M	D	14
13100	T	T	5,6,10,11,12
	Z	T	6,10,11,12,5
13220	Z	T	10,11,12,13,6,5
	Z	T	10,11,12,13,5,6
13231	Z	T	6,10,11,12,13,5
	Z	T	5,10,11,12,13,6
13236	T	T	3,10,11,2,12,13,4,5,6,7,8,9
		D	11,12,13,16,18,19,20,21,22,23
			24
	O	D	13
	O	D	13,20
	O	D	14,17
	C	P	1,2
	Z	T	6,10,11,12,13,5
	P	D	16,23
	M	T	4,2,3,7,8,9
		D	12,13,18,21,22,24
13241	T	T	2,3
	M	T	3,2
13320	T	T	13
		D	11,16,19,23,24
	P	D	16,23
	M	T	13
		D	24
13330	T	T	3,4,9,10,11,12,2,6,5,8
		D	11,12,16,19,20,21,22,23,24
	O	D	20
	C	P	1,2
	Z	T	5,6,10,11,12
	P	D	16,23
	M	T	2,3,4,8,9
		D	12,21,22,24
14000	C	P	1,2
14210	D	D	14,17
14211	T	T	8,9
		D	21,22
	M	T	8,9
		D	21,22
14212	T	T	19
		D	21,22
	M	T	19
		D	21,22
15200	T	T	13
	Z	T	13
16100	T	T	13
	Z	T	13

Table 2

SORTED DATA FILE NO E6SH7002
DATE 10/23/85
PROJECT: BAYOU BOEUF
DETAIL: SECTOR GATE
REPORT: TR H-70-2
MISC:
ENTRIES 51

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
12170	C	F	A2
	B	F	A2
	I	F	A2
	F	T	1,2,3,4,5,6,A1,A2,A3
		D	3,5,7,8,A3,A4,A5,A6
12330	F	T	1,2,5,A1,A2,A3
		D	3,A3,A4,A6
12340	F	T	2,1,3,4,5,6,A1,A2,A3
		D	3,5,7,8,A3,A4,A5
12350	F	T	A1,A2
		D	3,A3,A4

Table 2

Table 2

SORTED DATA FILE NO E6SM7104
DATE 10/23/85
PROJECT: CALC6SIEU
DETAIL: PROTOTYPE GATE
REPORT: MP M-71-4
MISC:
ENTRIES 18

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
11100	T	T	1
12150	F	F	6,7
12250	I	I	10
12260	I	I	10
12310	F	F	1
12320	T	T	6
	F	F	1
12330	T	T	6
	F	F	1
12340	T	T	6,7
	F	F	1
12350	T	T	6,7
	F	F	1
16300	T	T	

SORTED DATA FILE NO E67H7206
DATE 10/23/85
PROJECT: BANKHEAD
DETAIL:
REPORT: TR H-72-6
MISC:
ENTRIES 191

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11100	V	P	1,2,4
	C	P	1,2,4
	S	D	2,3
11130	C	P	9,10
11150	C	P	9,10
11200	T	T	4,5
	V	D	8
	I	D	8
	Z	T	1,4,5
11460	S	D	3
12200	T	T	4,5,6
	Z	T	1,4,5,6
12230	P	T	7
12320	P	T	7
12330	P	T	7
13100	T	T	4,5,6
	Z	T	1,4,5,6
13220	T	T	2,3,4,5,6,8,9
		D	15,16
	O	D	15,16
	C	P	11,12
	Z	T	1,4,5,6
	H	T	2,3,8,9
		D	15,16
13231	T	T	4,5,6
	I	U	43
	Z	T	1,4,5,6
13232	T	T	2,3,4,5,6,8,9
		D	15,16
	O	D	15,16
	Z	T	1,4,5,6
	H	T	2,3,8,9
		D	15,16
13240	T	D	46
	D	U	46
	C	U	46
	Z	U	46
	H	U	46
13320	T	T	2,3,4,5
	Z	T	4,5
	H	T	2,3
13330	T	T	2,3,4,5,8,9
	Z	T	4,5
	H	T	2,3,8,9
13340	T	T	8
	H	T	8
13350	T	T	8,9
	H	T	8,9
13360	T	T	9
	H	T	9
14000	T	T	8,9
	H	T	8,9
14130	T	D	15,16
		D	46
	O	D	15,16
	B	U	46
	C	P	11,12
		U	46
	Z	D	46
	H	T	15,16
		T	46
14211	T	T	2,3
	H	T	2,3
14212	T	T	2,3
	H	T	2,3
14280	T	T	8,9
	H	T	8,9
15200	T	T	4,5,6
	H	T	4,5,6,1
16100	T	T	4,5,6
	H	T	4,5,6,1
16300	T	F	6,7
	P	P	3,5,6,7,8
	P	F	3,5,6,7,8
16330	T	F	6
	P	P	3,5,6,7
	P	F	3,5,6,7
16360	T	F	7
16460	P	P	7,8
	C	D	7,8

Table 2

SORTED DATA FILE NO E68832-1
DATE 10/31/85
PROJECT: ICE HARBOR
DETAIL:
REPORT: BHL 32-1
MISC:
ENTRIES 516

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN RECORD
11150	C	P	8,9
		WT	62-65
11170	C	WT	62-65
11200	CZ	T	N,S,P
11220	C	W	62-65
11300	T	D	17
	Q	DT	17
	Z	T	N,S,P
		D	17
	L	DT	17
11420	LZ	T	N,P,S
11430	Z	TT	P,N,S
12200	Z	T	N,S,P
12230	T	D	11,14,15,16,9
	O	DT	11,14,15,16,9
	P	T	30
		D	11,14,15,16,9
	H	DT	11,14,15,16,9
12260	T	DT	L,M,R,Q
		D	10,11,12,13,14,15,16,17,18,19 9,20,21
	O	D	11,14,15,16,9
	Q	DT	17
	Z	T	N,P,S
		DT	17
	P	T	30
		D	10,11,14,15,16,19,20,21,9
	JH	DT	17
		D	L,M,R,Q
			10,11,14,15,16,9,19,20,21
12320	T	DT	M,Q,L,R
	ZH	TT	N,P,S
		T	L,M,Q,R
12330	T	TT	1L
	ZP	TT	P,N,S
	HT	T	30
		D	1L
12340	T	DD	12,13,14,15,16
	OP	DD	14,15,16
		D	14,15,16
	HT	DD	14,15,16
12360	T	DD	12,14,15,16,17
	OQ	DD	14,15,16
	ZP	DT	17
		T	40
		D	14,15,16
	JHT	DDT	17
		DT	14,15,16
12360		T	M,Q,R
	HZT	TT	M,Q,R
13100		TT	N,S,P
13150		T	L,M,Q,R
		D	10,11,12,13,14,15,16,17,18,9 19,20,21
	OQ	D	11,14,15,16,9
	QZ	DT	17
		T	N,P,S
	P	DT	17
		D	30
	JH	DT	10,11,14,15,16,19,9,20,21
		DT	17
		D	L,M,Q,R
			10,11,14,15,16,9,19,20,21
13200	Z	T	N,S,P
13220	ZI	TT	5
13229	I	TT	B,C,G,J,K,F,I
		TT	23
	ZI	TT	M,D
13244	I	TT	J,K,I
		TT	23
13320	T	TT	L,M,Q,R
	ZH	TT	N,P,S
	HT	TT	L,M,Q,R
13330	T	TT	L
	ZP	TT	P,N,S
	HT	TT	30
		TT	L
13340	T	DD	12,13,14,15,16
	OP	DD	14,15,16
	PH	DD	14,15,16
	HT	DD	14,15,16
13350	T	DD	12,14,15,16,17,18
	OQ	DD	14,15,16
	QZ	DD	17
	ZP	DT	17
		T	50
		D	14,15,16
	JHT	DDT	17
		DT	14,15,16
13360	T	DT	M,R,Q
		D	18,19,20,21
	PH	DT	19,20,21
		D	M,R,Q
13370	I	DT	19,20,21
	NZ	TT	B,C,G,K,F,I,J
14000	T	TT	D,H
		D	L,M,Q,R
			10,11,12,13,14,15,16,17,18,19 20,21,9
	OQ	D	11,14,15,16,9
	QZ	DD	17
	ZP	D	17
		D	10,11,14,15,16,19,20,21,9

Table 2

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14130	17		
	L,M,Q,R		
	10,11,14,15,16,19,20,21,9		
	59		
	45		
	59		
	22		
14140	M,L,Q,R		
14180	10,11,12,13,14,15,16,17,18,9		
	19,20,21		
	11,14,15,16,9		
	17		
	17		
	10,11,14,15,16,9,19,20,21		
	17		
	M,L,Q,R		
	9,10,11,14,15,16,19,20,21		
14211	M,L,Q,R		
	M,L,Q,R		
14212	L,M,Q,R		
	L,M,Q,R		
14230	L,M,R,Q		
	L,M,R,Q		
14240	1L		
	22		
14250	12,13,14,15,16		
	14,15,16		
	14,15,16		
14260	14,15,16		
	12,14,15,16,17,18		
	14,15,16		
	17		
	17		
	14,15,16		
	17		
14270	14,15,16,22		
	M,Q,R		
	18,19,20,21		
	19,20,21		
	M,Q,R		
	19,20,21		
	22		
14290	N,P,S		
15200	10,19,20,21		
15230	10,19,20,21		
	10,19,20,21		
15320	P,N,S		
15330	P,N,S		
15350	19,20,21		
	19,20,21		
	19,20,21		
16100	N,P,S		
16230	P,N,S		
16340	7		
16420	P,N,S		
16430	P,S,N		

SORTED DATA FILE NO E69B98-1
DATE 10/31/85
PROJECT: JOHN DAY
DETAIL:
REPORT: BHL 98-1
MISC:
ENTRIES 459

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN RECORD
11150	C	T	A,B,C
		P	A2
		W	13
11200	T	D	13
	O	D	13
	P	T	2N
11220	C	T	A,B,C
11244	C	T	1A
		W	13
11300	T	D	29
	O	D	21,9
	Z	D	21
	P	D	29
	L	D	21
11420	C	T	A,C,B
11430	C	T	C,B
11440	T	D	13
	O	D	13
	C	T	C,A
	P	T	AN
11450	T	D	13
	O	D	13
	C	T	A,B
	P	T	1N
11460	C	T	4C
12100	C	D	21
	Z	D	21
	L	D	21
	F	D	AP
		D	20
12150	F	D	1P
		D	20
12170	F	D	20
12200	Z	T	5E
	P	T	E,N
12230	T	D	14,15,16,17,8
	O	D	14,15,16,17,8
	Q	D	21
	S	D	14,15,16,17,8
	Z	D	21
	P	D	14,15,16,17,8
	L	D	21
	M	D	14,15,16,17,8
12320	T	D	14,15
	O	D	14,15
	S	D	14,15
	P	D	14,15
	F	D	1P
	H	D	14,15
12340	P	T	1N
	F	T	1P
12360	F	T	1N
	F	T	2P
13100	P	T	N,O
13160	T	D	10,18,19
	O	D	10,18,19
	S	D	10,18,19
	Z	T	2G
	P	T	O,G
		D	10,18,19
	H	T	4F
		D	10,18,19
13200	T	D	13
	O	D	13
	Z	T	E,G
	P	T	N,O,E,G
13220	P	T	O,N
13244	T	D	H,K
		D	10,14,15,16,17,18,19,9,8
	O	D	10,14,15,16,17,8,18,19
	Q	D	8
	C	P	13
	B	J	20
	S	D	10,14,15,16,17,18,19,8
	Z	T	1E
	P	T	1E
		D	10,14,15,16,17,18,8,19,9
	H	T	D,F,I,L,M,H,J,K
		D	10,14,15,16,17,18,19,8
13320	T	D	K,H
		D	14,15,18,19
	O	D	14,15,18,19
	S	D	14,15,18,19
	M	D	K,L,M,J,H,I
		D	14,15,18,19
13330	T	T	K,H
	H	T	I,K,M,L,H,J
13340	T	D	K,H
		D	13
	O	D	13
	P	T	2N
	H	T	I,L,K,M,H,J
13350	T	D	K,H
		D	13
	O	D	13
	P	T	N,O
	H	T	K,I,M,F,H,J,L
13360	T	D	13
	O	D	13
	P	T	4O
	H	T	1F
14000	T	D	K,H
		D	10,13,14,15,16,17,18,19,23,24

Table 2

Table 2

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			8,9
	O	D	10,13,14,15,16,17,18,19,8
	Q	D	29
	C	P	13
	S	D	10,14,15,16,17,18,8,19
	P	D	10,14,15,16,17,18,19,8,9
	H	T	F,L,M,I,H,J,K
		D	10,14,15,16,17,18,19,22,8
14211	T	T	K,H
		D	14,16,17
	O	D	14,16,17
	S	D	14,16,17
	P	D	14,16,17
	H	T	I,K,L,M,H,J
		D	14,16,17
14212	T	T	K,H
		D	14,16,17
	O	D	14,16,17
	S	D	14,16,17
	P	D	14,16,17
	H	T	K,L,M,I,H,J
		D	14,16,17
14230	T	T	H,K
		D	14,15,18,19
	O	D	14,15,18,19
	S	D	14,15,18,19
	P	D	14,15,18,19
	H	T	I,K,H,L,M,J
		D	14,15,18,19
14240	T	T	K,H
		D	23,24
	H	T	I,L,H,M,K,J
14250	T	T	H,K
		D	13
	O	D	13
	H	T	L,K,M,I,H,J
14260	T	T	K,H
		D	13,23,24
	O	D	13
	H	T	F,I,L,M,H,J,K
14270	T	D	13
	O	D	13
	H	T	1F
14290	H	D	22
15170	Z	T	AG
	P	T	1Q
	H	T	5F
15200	Z	T	AG
	P	T	O,Q
15230	T	D	10,18,19
	O	D	10,18,19
	S	D	10,18,19
	P	D	10,18,19
	H	D	10,18,19
15320	T	D	18,19
	O	D	18,19
	S	D	18,19
	P	D	18,19
	H	D	18,19
15330	H	T	AF
15340	P	T	10
	H	T	1F
15350	P	T	10
16100	T	D	13
	O	D	13
	P	T	AO
16160	Z	T	1G
	P	T	2G
	H	T	1F
16340	H	T	AF
16350	H	T	AF
16440	T	D	13
	O	D	13
	P	T	AO
16450	T	D	13
	O	D	13
	P	T	20

SORTED DATA FILE NO E7081051
DATE 10/23/85
PROJECT: LOWER MONUMENTAL
DETAIL: INTAKE & VALVE
REPORT: BHL 105-1
MISC:
ENTRIES 104

LINE NO.	TYPE OF DATA		LOCATION IN RECORD
11150	C	T	A,C,F,G,E,I,J
		P	2,5,6,3
		U	25
	Z	T	M
11200	U	D	10,8
	C	T	A,C,E,F,G,I,J
		P	3,2,5,6
		U	25
	I	D	8,10
	Z	T	D,M,B
11420	C	T	G,E
11440	C	T	A,C,E,F,G
		P	2,3,5,6
		U	25
	Z	T	D,B,M
11450	U	D	8,10
	C	T	A,C,E,G,J,F,I
	I	D	8,10
	Z	T	B,D,M
11460	C	T	E,F,G,I,J,A,C
		P	2,3,5,6
		U	25
13100	S	D	12
	Z	T	12
	P	T	K,L
13330	P	T	1L
13350	P	T	L
15100	I	P	11
15110	S	D	12
	Z	T	M
		D	12
	F	T	2M
15150	Z	T	1M
	F	T	1M
15200	I	P	11
	Z	D	13
	P	T	K,L
15270	Z	T	1M
		D	13
	F	T	1M
15330	S	D	12
	I	P	11
	Z	T	M
		D	12
	P	T	1L
	F	T	2M
15340	I	P	11
		P	11
16100		P	11
16430		T	1L
16440		T	1L

Table 2

SORTED DATA FILE NO E71H7511
DATE 10/23/85
PROJECT: BARKLEY
DETAIL: PROTOTYPE
REPORT: TR H-75-11
MISC:
ENTRIES 243

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11300	Z	D	10,11
12100	I	F	27
	P	D	17,14E,15E
	L	F	26
	F	D	17,14E,14F,15E,15F
	A	D	17,14F,15F
		F	31
12150	T	T	3
		D	7,13,14A,15A,16A
	Q	D	14A,15A,16A
	QZ	D	14A,15A,16A
		D	17,14E,15E
	PF	D	13,17,14E,14F,15E,15F
	A	D	17,14F,15F
		F	32
12160	L	D	14B,15B
	LX	D	14B,15B
12200	I	F	27
	Z	D	9,10,11
		F	24
	P	D	17,14D,15C,15D,16B
	PF	D	17,14C
	A	D	17
12230	AP	D	17,14D,15D
	LF	D	14B,15B
		D	17
	AX	D	17
		D	14B,15B
12270	T	D	14A,15A,16A
		F	29
	Q	D	14A,15A,16A
	QZ	D	14A,15A,16A
		F	24
	L	F	29
12310	LT	F	29
	LT	F	29
12320		T	3
		D	7
	ZT	D	10,11
12330	T		3
		D	7,13,15A,16A
	QI	D	15A,16A
		F	27
	IZ	D	11,15A,16A
		F	24
	P	D	15C,15D,15E,16B
	L	D	15B
		F	26
	FA	D	13,15E,15F
		F	15F
		F	31,32
	XT	D	15B
12360	T	I	3,5
		D	14A,15A,19-28
	QT	I	5,7
	Q		4
		D	14A,15A,19-28
	DS	D	19-28
	S	I	7
		D	19-28
	ZA	D	14A,15A
	ZP	D	14D,14E,15C,15D,15E
		D	14B,15B
	PF	D	14C,14E,14F,15E,15F,19-28
	AH	D	14F,15F
	T	D	7,8
	XQ	D	14B,15B
13000	Q		4
13100	QT	D	12
	TZ	D	9,10,11,12
	ZP	D	15C,16B
	PF	D	14C
13220			9
	ZP	D	15C,16B
	PF	D	14C
14000	T		5
		D	8,14A,15A,16A,19-28
		F	22,29
	Q	I	5,7
		F	8
			22
	Q		4
		D	14A,15A,16A,19-28
	DS	D	6,19-28
	S	I	7
		F	19-28
		F	34,35
	ZA	D	14A,15A,16A
		F	29
	ZH	D	19-28
	H	I	7,8
		D	6
		F	34,35
14200	A	D	18
14214	QS	I	7
	S	I	7
		F	35
	AH	D	18
			7,8
		F	35
14220	SH	F	34
	T	F	34
14230			5
		D	8,19-28

Table 2

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		F	22
	O	T	5,7
		D	8
		F	22
	Q	T	4
		D	19-28
	D	D	19-28
	S	T	7
		D	19-28
	F	D	19-28
	H	T	7,8
14240	T	T	5
		D	8,19-28
		F	22
	O	T	5,7
		D	8
		F	22
	Q	T	4
		D	19-28
	D	D	19-28
	S	T	7
		D	19-28
	F	D	19-28
	H	T	7,8
14260	S	F	34
	H	F	34
15270	T	D	12
		F	29
	Z	D	12
	L	F	29
15320	T	D	12
	Z	D	12
15330	T	D	12
	Z	D	12

SORTED DATA FILE NO E78M7507
DATE 10/23/85
PROJECT: SIDEWALL REPORT
DETAIL: SYSTEM
REPORT: MP M-75-7
MISC:
ENTRIES 56

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
12200	I	C	17
	Z	C	117
12250	I	C	18
	Z	C	18
12260	B	C	116
	I	C	16,18
	Z	C	18
12330	T	F	6&7
		C	22&23
	M	F	6&7
		C	22&23
13120	T	C	111
13130	T	C	110
	M	C	110
13241	M	C	169
13242	B	F	13
		C	7&8
	I	F	23
		C	17,7&8
	Z	C	17
	M	F	143
		C	7&8
13243	B	C	112
	I	C	12
13244	T	C	14
	I	C	114
	M	C	114
13250	B	F	154
	I	F	144
13253	B	F	22
		C	156
	I	F	12
		C	146
	M	F	12
		C	16
13260	B	F	14
	I	F	154
13265	T	C	15
	I	C	115
	M	C	115
14000	B	F	168
	I	F	148
	M	F	18
14120	T	C	13
	I	C	13
	M	C	113
14130	T	F	155
		C	113
	I	F	35
		C	113
	M	F	145
		C	113
15330	T	C	24
	M	C	124

Table 2

SORTED DATA FILE NO E73B1151
DATE 10/23/85
PROJECT: LITTLE GOOSE
DETAIL:
REPORT: BHL 115-1
MISC:
ENTRIES 411

LINE NO.	TYPE OF DATA	EQUAL	LOCATION IN REPORT
11150	C	U	48-49
11200	Z	T	L,M,N,O
11300	Q	D	12
	Z	D	12
	L	D	12
11370	Z	U	47
11420	C	U	48-49
	Z	T	L,M,N,O
11430	Z	T	L,M,N,O
11440	Q	D	12
	Z	D	12
	L	D	12
11450	Q	D	12
	C	U	48-49
	Z	T	L,M,N,O
		D	12
	L	D	12
11460	C	U	48-49
12200	Z	T	L,M,N,O
12230	T	T	A,B,E
		D	8,21
	O	D	8,21
	S	D	8,21
	Z	U	40
	P	T	A,B,E
		D	8,21
	H	T	A,B,E
		D	8,21
12320	T	T	E
	Z	T	L,M,N,O
		U	40
	P	T	E
	H	T	E
12330	Z	T	L,M,N,O
		U	40
12350	Z	T	L,M,N,O
		U	40
13100	Q	T	AA,AB
	I	T	AA,AB
	Z	T	L,M,N,O,P,Q,S,AA,AB
	L	T	AA,AB
13170	T	T	E,F,G,H,I
		D	18,19,20,21,22
	O	D	18,19,20,21,22
	D	T	J
	S	D	21,22
	Z	U	47
	P	T	E
	H	T	E,F,G,H,I,K
		D	15,21,22
13200	Z	T	L,M,N,O,P,Q,S
13221	T	D	A,B
		D	8,9
	O	D	8,9
	S	D	8,9
	P	D	A,B
	H	T	A,B
		D	8,9,11,15
13232	Q	T	AA,AB,AC
	I	T	AA,AB,AC
	Z	T	AA,AB
	L	T	AA,AB
13320	T	T	E,F,G,H,I
		D	18,19,20
	O	D	18,19,20
	Z	T	L,M,N,O,P,Q,S
	P	T	E
	H	T	E,F,G,H,I
13330	Q	T	F,G,H,I
		D	19,20
	O	D	19,20
	Z	T	L,M,N,O,P,Q,S
	H	T	F,G,H,I
13350	Q	T	F,G
		D	18,19,20
	O	D	18,19,20
	Z	T	L,M,N,O,P,Q,S
	H	T	F,G
13360	Q	T	H,I
		D	18,19,20
	O	D	18,19,20
	H	T	H,I
13370	Q	T	AA,AB,AC
	I	T	AA,AB,AC
	Z	T	L,M,N,O,P,Q,S,AA,AB
	L	T	AA,AB
14000	T	T	F,G,H,I
		D	8,9,18,19,20,21,22
	O	D	8,9,18,19,20,21,22
	D	T	C,D,J
	S	D	8,9,21,22
	P	D	8,21
	H	T	F,G,H,I,K
		D	8,9,11,15,21,22
14130	T	T	A,B,F,G,H,I
		D	8,9,18,19,20,21,22
	O	D	8,9,18,19,20,21,22
	D	T	C,D,J
	S	D	8,9,21,22
	P	D	A,B
	H	T	8,21
			A,B,F,G,H,I,K

Table 2

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14212	1	N	8,9,11,15,21,22
	2	N	C,D,J
	3	N	
	4	N	
	5	N	E
	6	N	E
14213	7	N	E,K
	8	N	E,F,G,H,I
	9	N	18,19,20
	10	N	18,19,20
14230	11	N	E
	12	N	E,F,G,H,I
	13	N	19,20
14240	14	N	19,20
	15	N	F,G,H,I
	16	N	F,G
14260	17	N	18,19,20
	18	N	18,19,20
	19	N	F,G
14270	20	N	H,I
	21	N	18,19,20
	22	N	18,19,20
15160	23	N	H,I
15200	24	N	P,Q,S
15320	25	N	45-46
15330	26	N	P,Q,S
15340	27	N	P,Q,S
15360	28	N	P,Q,S
16100	29	N	45-46
16420	30	N	P,Q,S
16430	31	N	P,Q,S
16440	32	N	P,Q,S

SORTED DATA FILE NO E74W7707
DATE 10/23/85
PROJECT: TRINITY RIVER
DETAIL:
REPORT: TR H-77-7
MISC:
ENTRIES 176

LINE NO.	TYPE OF DATA	EQUATION	LOCATION IN REPORT
11150	C	P	1
11200	T	T	2A,11A
	Z	T	11A,2A
12200	T	T	2A,11A
	Z	T	2A,11A
13100	T	T	2A,2B,11A,11B
	Z	T	2A,2B,11A,11B
13220	T	T	2B,11B
	Z	T	2B,11B
13231	T	T	2A,2B,11A,11B
	Z	T	2A,2B,11A,11B
13232	T	T	2B,11B
	Z	T	2B,11B
13252	T	T	3,4,5,6,7,8,9,10
		D	8,10,11
	D	W	22,28
	C	P	2,6,5
	H	T	4,5,6,7,8,9,10,3
		D	8
13320	T	T	4,5,7,3,9,6,8
		D	10,11
	H	T	3,4,5,6,7,8,9
13330	T	T	4,6,10,9,5,7,8,3
		D	10,11,8
	H	T	5,6,7,10,3,4,9,8
		D	28
13340	T	T	3,6,8,10,9,7
		D	10
	H	T	3,6,10,9,7,8
13350	T	T	4
		D	10
	H	T	24
14000	T	T	2B,2A
		D	10,11,8
	O	W	34-36
	C	P	2,6,5
	H	T	2A,2B
		D	18
14130	T	T	3,4,5,6,7,8,10,9
		D	10,11
	D	W	22,28
	C	P	8,6,5
	H	T	3,4,8,8,10,9,5,7
14211	T	T	8,4,7
14212	T	T	4,9,7
14213	T	T	4,7,9
			8,9
14240	T	T	8,9
16200	T	W	34-36
	T	P	2B,11B
	T	P	3,4
	T	P	3,4
16300	T	P	2B,11B
	T	P	3,4
16440	T	P	3,4
	T	P	3,4

Table 2

Table 2

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SORTED DATA FILE NO E75H7000
DATE 10/23/85
PROJECT: BAY SPRINGS
DETAIL: CANAL
REPORT: TR H-78-9
MISC:
ENTRIES 15

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
14212	H	D	115
16200	S	D	27
	E	D	24
	H	D	4
16330	S	D	115
	E	D	114
	H	D	114
16340	S	D	25
	E	D	24
	H	D	48-24
16430	S	D	25
	E	D	27
	H	D	24
	S	D	114
	E	D	115

Table 2

SORTED DATA FILE NO E7807810
DATE 10/23/85
PROJECT: NISS R 26
DETAIL: PROTOTYPE
REPORT: MP M-78-10
MISC:
ENTRIES 45

LINE_NO.	TYPE OF _DATA__	EOR&SI	LOCATION_IN_RECORD
12320	T	T	3
	D	D	2
	S	S	3
	H	H	2
12330	T	T	1,2
	D	D	6
	S	S	2,5
	H	H	4
12340	T	T	2,3,4,5,6
	T	T	3
	T	T	2
	T	T	3
12350	D	D	2
	S	S	3
	H	H	2
14000	T	T	1,2
	D	D	6
	S	S	2,5
	H	H	4
	T	T	2,3,4,5,6
	T	T	3
	T	T	3
	T	T	3
	D	D	2
	S	S	3
	H	H	2
	T	T	3,2
	D	D	6
	S	S	2,5
	H	H	4
	T	T	2,3,4,5,6
	T	T	3
	T	T	3
	T	T	3
	D	D	2
	S	S	3
	H	H	2
	T	T	3,2
	D	D	6
	S	S	2,5
	H	H	4
	T	T	2,3,4,5,6

SORTED DATA FILE NO E77M7816
DATE 10/23/85
PROJECT: MISS R/GULF OUT
DETAIL:
REPORT: TR M-78-16
MISC:
ENTRIES 519

LINE NO.	TYPE OF DATA		EQUATION	LOCATION IN REPORT
11150	C		P	1
11200	T		T	3
	Z		T	2,3
11240	U		D	9
	I		D	9
12200	T		T	3
	Z		T	2,3
12230	P		D	11
12330	P		D	11
13100	T		T	3,5
	Z		T	3,4,5,2
13240	I		F	5
13241	T		D	15
	M		D	15
13242	T		T	6,7,8,9,10,11,12,13,14,15
			D	13,15,17,18,19,20,21,22,23,24 26,27,28,29,30,31,32,33,34,35 36,37,38,39,40,41,42,43
	O		D	29,30,31,32
	O	M	P	3,4
		M	T	6,7,8,9,10,11,12,13,14,15
			D	13,15,16,18,19,21,22,23,26,27 28,29,30,31,32,33,34,35,36,37 38,39,40,41,42,43
13330	T		T	6,7,8,9,10,11,12,13,14,15
			D	13,15,17,18,19,20,21,22,23,24 27,28,29,30,31,32,33,34,35,36 37,38,39,40,41,42,43
	O		D	29,30,31,32
	O	M	P	3,4
		M	T	6,7,8,9,10,11,12,13,14,15
			D	13,15,16,18,19,21,22,23,27,28 29,30,31,32,33,34,35,36,37,38 39,40,41,42,43
13340	T		T	6,8,9,10,11,15
			D	17,18,20,21,22,23,24,33,34,35 38,39,42
		M	T	6,8,9,10,11,15
			D	18,21,22,23,33,34,35,38,39,42
13350	T		T	6,7,8,9,10,11,12,13,14,15
			D	17,18,19,20,21,22,23,24,27,28 33,34,35,36,37,38,39,40,41,42 43
		M	T	6,7,8,9,10,11,12,13,14,15
			D	18,19,21,22,23,27,28,33,34,35 36,37,38,39,40,41,42,43
13360	T		T	7,8,12,13,14,15
			D	17,19,20,24,27,28,33,36,37,40 41,42,43
		M	T	7,8,12,13,14,15
			D	18,27,28,33,36,37,40,41,42,43
13370	T		T	8
			D	20,21
		M	T	8
			D	21
14000	C		P	3,4
14120	T		T	3,5,6,7,8,9,10,11,12,13,14,15
			D	13,17,18,19,20,21,22,23,24,26 27,28,29,30,31,32,33,34,35,36 37,38,39,40,41,42,43
		O	D	29,30,31,32
		O C	P	3,4
		O C	T	2,3,4,5
		M	T	6,7,8,9,10,11,12,13,14,15
			D	13,16,18,19,21,22,23,26,27,28 29,30,31,32,33,34,35,36,37,38 39,40,41,42,43
14211	T		T	6,7
			D	13,18,19,21
		M	T	7,6
			D	13,16,18,19,21
14212	T		T	6,7
			D	13,18,19
		M	T	6,7
			D	13,16,18,19
14213	T		T	9,10,11,12,13,14,15
			D	22,23,24,27,28,34,35,36,37,38 39,40,41,42,43
		M	T	9,10,11,12,13,14,15
			D	22,23,27,28,34,35,36,37,38,39 40,41,42,43
14280	T		T	9,10,11,12,13,14,15
			D	22,23,24,27,28,33,34,35,36,37 38,39,40,41,42,43
		M	T	9,10,11,12,13,14,15
			D	22,23,27,28,33,34,35,36,37,38 39,40,41,42,43
15200	T		T	5
	Z		T	4,5
16200	T		T	5
	B		P	2
	Z			4,5
16230	U		D	12
	I		D	12

Table 2

SORTED DATA FILE NO E78W7819
DATE 10/31/85
PROJECT: BAY SPRINGS
DETAIL:
REPORT: TR H-78-19
MISC:
ENTRIES 304

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN REPORT
11100	T	D	25
	Q	D	25
	C	T	10,11,9
		P	31
11150	C	T	10,11,9
		P	11
		W	15,16,17
11200	Z	T	1,4,5,A2,A3
11240	I	D	17
11250	U	D	17
11400	Z	T	4,5,A2,A3,1
11440	T	T	10,11,9
		D	25
	Q	D	25
	C	T	10,11,9
	Z	T	9,10,11
12160	P	T	A1
		D	A7
12200	Z	T	1,5,4,A2,A3
12230		D	A2,A3,A4
	Z	T	A2,A3
	P	D	14,15,16,27,A5,A6
	H	D	A3,A4
12240	T	D	A2,A3,A4
	Z	T	A2,A3
	P	D	14,15,16,A5,A6
	H	D	A3,A4
12300	Z	T	1,4,5,A2,A3
12320	T	D	A2
	P	D	14,15,16
12330	T	D	A2
	P	T	A1
		D	14,15,16,27,A5,A6,A7
12340	T	D	A2
	P	T	A1
		D	14,15,16,27,A5,A6
12350	P	D	14,15,16,27
12360	P	T	A1
		D	14,15,16,A7
12370	P	D	14,15,16
13000	Z	T	6,7,5,3,4,A8,A3,1
13100	T	D	25
		D	25
13231	Z	T	10,11,9
13300	Z	T	3,4,6,7,1,5,A2,A3
13340	T	T	10,11,9
13370		T	9,10,11
	N	T	10,11,9
		D	25
		T	39
		D	25
	C	T	10,11,9
		T	39
	Z	T	10,11,9
		T	39
14000	T	T	10,11,4,9,5,6,7
		D	10,11,18,19,20,21,22,24,26,A2
			A3,A4
	O	T	38
		T	37
		P	23
		P	2,4
		D	10,18,19,20,21,24,26,A3,A4
14211		D	10,18,19,20,21,A3
		D	23
		D	10,18,19,20,21,A3
14212		D	10,18,19,20,21,A3
		D	23
		D	10,18,19,20,21,A3
14220		D	11
14230		D	11,18,19,20,21,22,24,A3,A4
		D	18
		D	18,19,20,21,24,A3,A4
14240		D	10,11,18,19,20,21,22,24,A3,A4
		D	18
		T	37
		D	10,18,19,20,21,24,A3,A4
14250	M	T	10,11,9
		D	11,18,20,22,26,A3,A4
		T	10,11,9
	N	T	10,11,9
		D	18,20,26,A3,A4
14260		D	11,19,21,22,26
			19,21,26
14280		D	26
		D	26
15200		T	6,7,3
15230		D	28
15300		T	3,6,7
15330		D	28
15340		D	28
15350		D	28
16220		T	13
		T	13
16230		T	13
16250		T	13
16300		T	18
		T	13
		T	13
		T	18
16420		T	18
		T	13
		T	13

Table 2

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SORTED DATA FILE NO E7981261
DATE 10/31/85
PROJECT: LOWER GRANITE
DETAIL:
REPORT: BHL 126-1
MISC:
ENTRIES 473

LINE NO.	TYPE OF DATA	ERROR	LOCATION IN RECORD
11150	T	T	10
	C	T	10
		P	10,11
		U	48
11200	Z	T	K,N,A,L,J,M
11230	T	T	10
	C	T	30
		U	48
	P	T	1P
11260	P	T	1P
11420	T	T	10
	C	T	10
11430	T	T	50
	C	T	10
		P	10,11
11440	T	T	60
	C	T	50
		U	48
11450	Z	T	L,M,N,K,J
11460	T	T	10
	C	T	10
		P	10,11
12160	P	D	A2,A3,A4,A5
		W	52,A4
12200	Z	T	K,N,L,J,M
12220	Z	T	2A
12230	T	U	A9
	Q	U	A9
	Z	D	31
	P	T	AA,C
		D	31,32,A2,A3,A4,A5
		U	52,A4,A9
12260	P	D	32
		U	52,A4
12320	Q	T	2D
	P	T	C,P
		D	A2,A3,A4,A5
		U	A4
12330	Q	T	D,D
	P	T	C,P
		D	32
12340	Q	T	1D
	P	T	AA
12350	Z	T	J,L,M,N,K
	P	T	AA
12360	T	T	A8
		P	A2,A3,A4,A5
		U	52
12380		T	A8
		P	A9
		U	A9
		P	A2,A3,A4,A5
		U	A9
13100	Z	T	A,J,K,L,M,N
13200	Z	T	8,3
		T	A,J,K,L,M,N
13244	T	T	B,E
		D	14
	D	P	13,9
		T	AC
	H	T	14
		D	B,E
		U	14
13350	Z	T	23,24
14000		T	J,L,M,N,K
		D	E,B,H
		U	14,7,19,20,21,22,23,24,25,6,26
		W	27,28,8,29
		P	36,A9
	Q	U	6,8,19,20,21,22,25,26,27,28,7
	Q	T	3D
		U	A9
	D	P	13,18,9
		T	4,2
		D	4,5,6,9,2
		S	6,8,19,20,21,22,23,24,25,26,27
		U	7,28
	I	T	8,3
	N	P	8,19,20,21,22,23,6,7
		D	14,29
		U	A9
	H	T	B,E,H,F,G,I
		D	14,7,19,20,21,22,23,24,25,26
		W	27,28,29,30,6,8
		P	17,31
14130	T	U	B,E
		D	14
		T	36
	D	P	13,9
		T	P,C
	H	D	14
		T	B,E
		D	14
14211	T	U	23,24,31
		T	B,E,H
	D	D	14,29
	P	T	13,18,9
	H	D	14,29
		T	E,B,G,H,F,I
		D	14,29,30
		U	17,23,24,31
14212	T	T	B,E,H
		D	14,29
	D	D	13,18,9

Table 2
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Table 2

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```
              P       D       14,29
              H       T       B,G,E,F,H,I
                      D       14,29,30
                      W       17,23,24,31
    14213     T       T       H,E
              H       T       G,H,E,F,I
    14230     T       T       B,E,H
                      D       14,6,8,19,20,21,22,23,24,25,26
                              27,7,28,29
                      W       36
              O       D       6,19,20,21,22,25,26,27,7,8,28
              D       D       18
              S       D       7,19,20,21,22,23,24,25,26,27,8
                              28,6
              Z       D       7,19,20,21,22,23,6,8
              P       D       14,29
              H       T       B,H,I,E,F,G
                      D       14,7,19,20,21,22,23,24,25,26,6
                              27,28,8,29,30
                      W       17,23,24,31
    14240     T       T       H,B,E
                      D       14,19,20,21,22,23,24,25,26,27
                              28,29
                      W       36
              O       D       19,20,21,22,25,26,27,28
              D       D       18
              B       P       5,6,9
              S       D       19,20,21,22,23,24,25,26,27,28
              Z       D       19,21,22,23,31,20
              P       D       14,29,31
              H       T       B,I,E,F,G,H
                      D       14,19,20,21,22,23,24,25,26,27
                              28,29,30
                      W       31
    14250     T       T       1E
              H       T       E,F,G
    14260     T       T       H,E
              H       T       E,H,I,F,G
    14270     T       T       AH
              H       T       H,I
    15200     Z       T       A,J,K,L,M,N
    15340     Z       T       J,M,L,N,K
    16340     Z       T       M,L,J,K,N,A
    16440     Z       T       N,L,M,J,K
```

SORTED DATA FILE NO E80H7921
DATE 10/24/85
PROJECT: MISS R 1
DETAIL:
REPORT: TR ML-79-21
MISC:
ENTRIES 485

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN RECORD
11130	C	P	1
11150	C	P	1
11170	C	P	1
11200	T	T	4,6,8
	Z	T	2,4,6,8
11240	V	D	20
	I	D	20
11300	T	T	4,6,8
	Z	T	2,4,6,8
12100	F	T	16
12110	T	T	8
		D	39,40,41,45,46,47,48,62
	Q	D	57
	Z	T	8,10
	P	T	46
	F	D	57
	H	D	39,40,41,47,48,62
12150	F	T	16
12200	T	T	4,6,8
	Z	T	2,3,4,6,8
12230	T	D	22,23,34,37
	P	D	22,31,34,37
	H	D	23,37
12270	Z	T	10
12320	T	T	34,40,41,46,47,48
	Z	T	10
	P	D	34,46
	H	D	40,41,47,48
12330	T	D	22,34,37,39,40,41,45,46,47,48
			62
	Z	T	10
	P	T	22,31,34,37,46
	F	T	16
	H	D	37,39,40,41,47,48,62
12340	P	D	31
12350	P	D	31
	F	T	16
13100	T	T	4,5,6,7,8,9,12,13,14
	Z	T	2,3,4,5,6,7,8,9,11,12,13,14
13240	I	F	10
13244	T	D	26,27,32,33
	C	P	3
	I	F	11
	H	D	27,33
13320	T	D	32,33
	H	D	33
13330	T	D	26,27,32
	HT	D	27
14000	T	D	26,27,29,30,32,33,35,36,45,46
			47,48,54,55
	C	P	2,3,4,5,6
	CP	D	46,54
	HT	D	27,29,30,33,35,36,47,48,55
14110	T	D	23,29,30,32,33,39,40,41,62
	C	P	5,6
	CI	F	13
	HT	D	23,29,30,33,39,40,41,62
14120	T	D	32,33,34,36,36,37
	C	P	4
	CI	F	12
	P	D	34,37
	HT	D	33,35,36,37
14211	T	D	29,35,39,40,41,47,48,55
	HT	D	29,35,39,40,41,47,48,55
14212	T	D	29,35,39,40,41,47,48,55
	HT	D	29,35,39,40,41,47,48,55
14213	T	D	30,40,41,47,48
	HT	D	30,40,41,47,48
14230	T	D	32,33,34,35,36,40,41,46,47,48
	P	D	34,46
	PH	D	33,35,36,40,41,47,48
14240	T	D	29,30,32,34,35,36,37,39,40,41
			45,46,47,48,62
	P	D	34,37,46
	H	D	29,30,35,36,37,39,40,41,47,48
			62
14250	T	D	30,62
	HT	D	30,62
14260	T	D	30,62
	HT	D	30,62
14270	T	D	23,62
	HT	D	23,62
14280	T	D	23,30,62
	C	P	5,6
	HT	D	23,30,62
15110	T	T	9,12,13,14
	T	D	39,40,41,45,46,47,48,62
	Q	D	58,59,60,61
	Z	T	9,10,11,12,13,14,15
	P	D	46
	F	D	58,59,60,61
	H	D	39,40,41,47,48,62
15200	T	T	5,7,9,12,13,14
	Z	T	3,5,7,9,11,12,13,14
15230	T	D	22,23,34,37,54
	P	D	22,31,34,37,54
	H	D	23,37
15280	T	T	10,15
15320	T	T	13,14
	T	D	34,40,41,46,47,48,54,55
	Q	D	59,60,61
	Z	T	10,13,14,15
	P	D	34,46,54
	F	D	59,60,61

Table 2

Table 2

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15330	40,41,47,48,55	
	82,34,37,39,40,41,45,46,47,48	
	54,55,62	
	10,16	
15340	82,31,34,37,46,54	
15350	37,39,40,41,47,48,55,68	
16200	31	
	31	
	5,7,9,12,13,14	
	7	10
	7	10
16230	3,5,7,9,11,12,13,14	
	54,55,62	
	58,59,60,61	
	24,51,52	
	24,51,52	
	54	
	58,59,60,61	
	55,62	
16420	54,55	
	59,60,61	
	54	
	59,60,61	
16430	55	
	54,55	
	54	
	55	

SORTED DATA FILE NO ES1M8013
DATE 10/24/85
PROJECT: BANKHEAD
DETAIL: PROTOTYPE
REPORT: TR ML-80-13
MISC:
ENTRIES 147

LINE_NO_	TYPE OF _DATA__	FORMAT	LOCATION_IN_REPORT
11100	S	U	42
12100	I	F	14
	L	F	13
12150	F	F	12
12160	X	F	15
12200	T	D	23
	N	D	23
	P	D	6,7,8,9,11,12,15,16,18,19,20
			21
12230	T	D	2,3
	N	D	2,3
	P	D	2,3
12270	T	D	2,3
	N	D	2,3
	P	D	2,3
12320	T	D	2,3,23
	I	F	14
	N	D	2,3,23
	P	D	2,3,8,9,15,16,20,21
	L	F	13
	F	F	12
12330	T	D	2,3
	I	F	14
	N	D	2,3
	P	D	2,3
	L	F	13
	F	F	12
12350	I	F	14
	P	D	6,7,8,9,11,12,15,16,18,19,20
			21
	L	F	13
12360	T	D	2,3,4
	Q	F	A4,A5
	I	F	14
	N	D	2,3,4
		F	10
	P	D	2,3,6,8,11,12,18,19,20,21
	L	F	11,13,A6
	F	F	12
	X	F	15
13100	P	D	13,17
	L	F	A7
	A	U	41
13200	Z	F	10
	P	D	A6
13232			10,14
13254		F	11
13320		F	10
		F	14,17
		F	11,A6,A7
13360		F	10,13,14,17
14000		F	2,3,4,5,23
		F	A1
		F	A3
		F	A3,A4,A5
		F	2,3,4,5,23
		F	2,3
14230		F	A1
		F	A3
		F	A3,A5
14240		F	A1
14260		F	A4,A5
15270		D	4,5
		D	4,5
15320		D	5
		D	5
15340		D	5

Table 2

SORTED DATA FILE NO EB2H8017
DATE 10/24/85
PROJECT: ARKANSAS R 17
DETAIL: CANAL
REPORT: TR HL-80-17
MISC:
ENTRIES 9

LINE NO.	TYPE OF DATA	EOF80	LOCATION IN REPORT
11100	S	T	46
		F	9-13,14-16,17-22,24-26
11170	S	F	17-22,24-26
14000	Q	F	16
14212	S	F	14-16

Table 2

SORTED DATA FILE NO EB3M8110
DATE 10/24/85
PROJECT: CULVERT VALUE
DETAIL: LOSSES
REPORT: TR HL-81-10
MISC:
ENTRIES 78

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
12100	I	D	6
	L	T	1
		D	5,7,8,9
12200	Z	D	10
12230	Z	T	2,3,4,5,6,7,8,9
		D	3
12260	I	D	6
	Z	T	2,3,4,5,6,7,8,9
		D	3
	L	D	7
12290	I	D	6
	Z	T	2,3,4,5,6,7,8,9
		D	3
	L	D	8,9
12330	I	D	6
	Z	T	2,3,4,5,6,7,8,9
		D	10
	L	T	1
		D	5,7,8,9
12340	Z	T	2,3,4,5,6,7,8,9
	L	T	1
		D	7,8,9
12350	Z	T	2,3,4,5,6,7,8,9
	L	T	1
		D	7,8,9

Table 2

SORTED DATA FILE NO E84B1941
DATE 10/24/85
PROJECT: H M CHITTENDEN
DETAIL: GATE
REPORT: BHL 194-1
MISC:
ENTRIES 339

LINE NO.	TYPE OF DATA	EQUATION	LOCATION IN REPORT
14000	Q	D	24,25
	V	D	7,9,11,13,15,17,19,21
	C	D	7,9,11,13,15,17,19,21
	B	P	7,8,9,10,11,12,13,14,15,16,17 18
	W	P	7,8,9,10,11,12,13,14,15,16,17 18
		D	6,8,10,12,14,16,18,20,22
	I	D	7,9,11,13,15,17,19,21
	Z	T	E,D
		D	6,8,10,12,14,16,18,20,22
14120	V	D	7,9,11,13,15,17,19,21
	C	D	7,9,11,13,15,17,19,21
	W	D	6,8,10,12,14,16,18,20,22
	I	D	7,9,11,13,15,17,19,21
	Z	T	D,E
		D	6,8,10,12,14,16,18,20,22
14140	W	D	8,22
	Z	D	8,22
		W	16
14150	Q	D	24
	V	D	7,9,11,13,15,17,19,21
	C	D	7,9,11,13,15,17,19,21
	B	P	7,8,9,10,11,12,13,14,15,16,17 18
	W	P	7,8,9,10,11,12,13,14,15,16,17 18
		D	6,8,10,12,14,16,18,20,22
	I	D	7,9,11,13,15,17,19,21
	Z	T	D,E
		D	6,8,10,12,14,16,18,20,22
	F	T	B,C
		W	9-11
	A	W	9-11
14180	A	W	17
14240	Q	D	24
	V	D	7,9,11,13,15,17,19,21
	C	D	7,9,11,13,15,17,19,21
	B	P	7,8,9,10,11,12,13,14,15,16,17 18
	W	P	7,8,9,10,11,12,13,14,15,16,17 18
		D	6,8,10,12,14,16,18,20,22
	I	D	7,9,11,13,15,17,19,21
	Z	T	D,E
		D	6,8,10,12,14,16,18,20,22

		W	16
	F	T	B,C
14250	Q	D	24,25
14270	V	D	24,25
	C	D	7,9,11,13,15,17,19,21
	B	P	7,9,11,13,15,17,19,21
	W	P	7,8,9,10,11,12,13,14,15,16,17 18
		P	7,8,9,10,11,12,13,14,15,16,17 18
		D	6,8,10,12,14,16,18,20,22
	I	D	7,9,11,13,15,17,19,21
	Z	T	D,E
		D	6,8,10,12,14,16,18,20,22
	F	T	B,C

Table 2

Table 2

1 of 2

SORTED DATA FILE NO E85W8408
DATE 10/24/85
PROJECT: W BOULDIN LOCK
DETAIL: & COOSA R VALVES
REPORT: TR HL-84-08
MISC:
ENTRIES 495

LINE NO.	TYPE OF DATA	FORMAT	LOCATION IN REPORT
11100	C	P	4
11130	V	D	23
	I	D	23
11150	C	P	4
11200	T	T	1-36
	V	D	23
	C	P	4
	I	D	23
	I	T	1-36
11240	T	T	1-36
	V	D	23
	I	D	23
	I	T	1-36
11300	T	T	1-36
	I	T	1-36
11420	T	T	1-36
	I	T	1-36
11430	T	T	1-36
	I	T	1-36
11450	T	T	1-36
	I	T	1-36
12100	F	D	29,30,31,32,33,35,36,38,39,41 43,44
	A	D	44
12150	F	D	29,30,31,32,33,35,36,38,39,41 43,44
	A	D	44
12200	T	T	1-36
	I	T	1-36
12230	T	D	4,5,11,12
	P	D	4,5,11,12
12270	F	D	35,36
12280	F	D	33,38,39
12320	T	T	1-36
		D	4,5,11,12
		T	1-36
	P	D	4,5,11,12
12330	T	T	1-36
		D	4,5,11,12
		T	1-36
	P	D	4,5,11,12
	F	D	29,30,31,32,33,35,36,38,39,41 43,44
	A	D	44
12350	T	T	1-36
		D	4,5,11,12
12370			
13100			
13200			
13231			
13232			
13233			
13240			
13320			
13330			
13350			
13360			
14000			
14130			
14140			

	T	1-36
	D	4,5,11,12
F	D	29,30,31,32
F	D	33,35,36,38,39,41,43,44
	D	44
	T	1-36
	T	1-36
	T	1-36
	D	7,8,9,10,14,18,19,21,22
	D	15,17
	P	6
	D	7,8
	T	1-36
	T	7,8,14,18,19
	T	1-36
	T	1-36
	T	1-36
	T	1-36
	T	1-36
	T	1-36
	T	1-36
	D	7,8,9,10,14,18,19,21,22
	D	7,8
	T	1-36
	T	7,8,14,18,19
	T	1-36
	D	7,8,9,10,14,18,19,21,22
	D	17
	D	7,8
	T	1-36
	T	7,8,14,18,19
	T	1-36
	D	7,8,9,10,18,19,21,22
	D	7,8
	T	1-36
	T	7,8,18,19
	T	1-36
	T	1-36
D	T	4,5,7,8,9,10,11,12,14,18,19,21 22
D	D	15,17
	P	6
	D	7,8
	T	1-36
	D	4,5,11,12
	T	7,8,14,18,19
	T	1-36
	D	14,18,19,21,22
	D	15,17
	P	6
	T	1-36
	D	14,18,19
	D	7,8
D	D	7,8

Table 2

SORTED DATA FILE NO E8SH8600
DATE 10/24/85
PROJECT: JOHN DAY
DETAIL: PROTOTYPE
REPORT: TR HL-85-90
MISC:
ENTRIES 832

LINE NO.	TYPE OF DATA		FORMAT	LOCATION IN REPORT
12100	T		T	2,5,C,A,6,4
			D	45,46,47
	Q		T	22
			D	39,40,41,42,45,46,47
	Z		W	64-69
	P		T	A,C,5,2,4
			D	45,46,47
			W	43,60-62,64-69
	L		D	39,40,41,42,44
			W	56
	X		T	C,5,A
			W	43,60-62,64-69
12150	T		T	46
12160	T		T	C,5,A
			D	6-8,9-11,12-14,15-16,17-18 19-20
	Z		W	64-69
	P		T	5,A,C
			D	33,6-8,9-11,12-14,15-16,17-18 19-20
			W	43,60-62,64-69
	X		T	C,5,A
			D	33,6-8,9-11,12-14,15-16,17-18 19-20
			W	43,60-62,64-69
12200	T		T	2,5,A,C,4
			D	6-8,9-11,12-14,15-16,17-18 19-20,21-22,23-24,25-26,27-28 29-31
	Q		T	1-32
	Z		D	34
	P		T	C,2,4,5,A
			D	32,33,34,6-8,9-11,12-14,15-16 17-18,19-20,21-22,23-24,25-26 27-28,29-31
			W	43
	A		D	29-31
	X		T	5,A,C
			D	33,34,6-8,9-11,12-14,15-16 17-18,19-20,21-22,23-24,25-26 27-28,29-31
			W	43
12230	T		T	1-38
			D	45,46,47
	Q		D	41,42,43,45,46,47
	Z		D	43
		P	W	64-69
			T	1-39
			D	45,46,47
			D	60-62,64-69
		L	D	41,42,44
			W	56
		X	W	60-62,64-69
12320		T	T	B,C,A,2,5,6
			D	45,46,47,6-8,9-11,12-14,15-16 17-18,19-20,21-22,23-24,25-26 27-28,29-31
		Q	T	1-32
			D	39,40,41,42,43,45,46,47
		Z	D	34,43
		P	T	B,C,5,A,2
			D	34,45,46,47,6-8,9-11,12-14 15-16,17-18,19-20,21-22,23-24 25-26,27-28,29-31
			W	43
		L	D	39,40,41,42,44
		A	D	29-31
		X	T	C,5,A
			D	34,6-8,9-11,12-14,15-16,17-18 19-20,21-22,23-24,25-26,27-28 29-31
			W	43
12330		T	T	6,C,5,B,2,A
			D	45,46,47,6-8,9-11,12-14,15-16 17-18,19-20,21-22,23-24,25-26 27-28,29-31
		Q	T	1-32
			D	39,40,41,42,45,46,47
		Z	W	34
		P	W	64-69
			T	5,B,2,A,C
			D	34,45,46,47,6-8,9-11,12-14 15-16,17-18,19-20,21-22,23-24 25-26,27-28,29-31
			W	43,60-62,64-69
		L	W	39,40,41,42,44
			W	56
		A	D	29-31
		X	T	5,C,A
			D	34,6-8,9-11,12-14,15-16,17-18 19-20,21-22,23-24,25-26,27-28 29-31
			W	43,60-62,64-69
12350		T	W	5,A,C,B,2
			D	45,46
		Q	T	1-32
			D	39,40,43,45,46
		Z	D	43
		P	T	A,C,5,B,2
			D	45,46
			W	43
		X	D	39,40
			T	A,C,5
			W	43

Table 2

12360	T	T	B,5,A,C,8
	TQZ	T	48
		D	34
	P	UT	5,A,C,B,2
		D	34
		UT	43,60-62,64-69
	X	T	5,A,C
		D	34
		UT	43,60-62,64-69
12370	T	T	5,A,2,B,C
	TQP	T	22
		T	B,C,A,2,5
		UT	43
	X	T	5,C,A
		UT	43
13100	T	T	2,5,A,C
		D	45,46,47,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
	Q	T	22
		D	43,45,46,47
	Z	D	34,43
	ZP	DT	5,A,C,2
		D	32,33,34,45,46,47,6-8,9-11
			12-14,15-16,17-18,19-20,21-22
			23-24,25-26,27-28,29-31
		UT	43
	A	DT	29-31
	AX	T	5,A,C
		D	33,34,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
		UT	43
13160	T	TT	4A
	TPX	TT	3A
		TT	3A
13320	T	T	A,C,2,5
		D	45,46,47,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
	Q	T	32
		D	43,45,46,47
	Z	D	34,43
	ZP	DT	C,5,A,2
		D	34,45,46,47,6-8,9-11,12-14
			15-16,17-18,19-20,21-22,23-24
			25-26,27-28,29-31
		UT	43
	A	DT	29-31
	AX	T	C,5,A
		D	34,6-8,9-11,12-14,15-16,17-18
			19-20,21-22,23-24,25-26,27-28
			29-31
		UT	43
13330	T	T	5,2,A,C
		D	46,46,47,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
	Q	T	32
	Z	DT	45,46,47
	ZP	DT	5,A,C,2
		D	34,45,46,47,6-8,9-11,12-14
			15-16,17-18,19-20,21-22,23-24
			25-26,27-28,29-31
	X	T	5,A,C
		D	34
		UT	43
	A	DT	29-31
	AX	T	5,A,C
		D	34,6-8,9-11,12-14,15-16,17-18
			19-20,21-22,23-24,25-26,27-28
			29-31
		UT	43
13350	T	T	C,A,2,5
		DT	45,46
	Q	T	32
		DT	43,45,46
	Z	DT	43
	ZP	DT	A,5,2,C
		DT	45,46
	X	UT	43
		UT	A,C,5
		UT	43
14000	T	T	B,C,A,4,2
		D	35,36,37,38,45,46,47,6-8,9-11
			12-14,15-16,17-18,19-20,21-22
			23-24,25-26,27-28,29-31
	O	DT	36
		DT	D16
	Q	T	22
		DT	37,39,40,45,46,47
	P	T	B,C,2,A,4
		D	45,46,47,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
		DT	39,40
	AX	DT	29-31
		T	C,A
		D	6-8,9-11,12-14,15-16,17-18
			19-20,21-22,23-24,25-26,27-28
			29-31
14230	T	T	B,C,2,5,A
		D	35,36,37,38,45,46,47,6-8,9-11
			12-14,15-16,17-18,19-20,21-22
			23-24,25-26,27-28,29-31
	O	DT	36
		DT	D16
	Q	T	32
		DT	37,39,40,45,46,47
	P	T	B,C,A,2,5
		D	45,46,47,6-8,9-11,12-14,15-16
			17-18,19-20,21-22,23-24,25-26
			27-28,29-31
		DT	39,40
	AX	DT	29-31
		T	C,A,5

Table 2

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		D	6-8,9-11,12-14,15-16,17-18 19-20,21-22,23-24,25-26,27-28 29-31
14240	T	T	B,C,2,5,A
		D	37,38,45,46,47,6-8,9-11,12-14 15-16,17-18,19-20,21-22,23-24 25-26,27-28,29-31
	Q	T	38
		D	37,39,40,45,46,47
	P	T	B,C,2,5,A
		D	45,46,47,6-8,9-11,12-14,15-16 17-18,19-20,21-22,23-24,25-26 27-28,29-31
	L	D	39,40
	A	D	29-31
	X	T	C,5,A
		D	6-8,9-11,12-14,15-16,17-18 19-20,21-22,23-24,25-26,27-28 29-31
14260	T	T	C,5,A,B
		D	35,36,37,38,45,46
	O	D	36
	Q	D	37,39,40,45,46
	P	T	B,C,5,A
		D	45,46
	L	D	39,40
	X	T	C,5,A
15280	T	D	29-31
	P	D	29-31
	A	D	29-31
	X	D	29-31
15320	T	D	29-31
	P	D	29-31
	A	D	29-31
	X	D	29-31
15330	T	D	29-31
	P	D	29-31
	A	D	29-31
	X	D	29-31
15360	T	D	29-31
	P	D	29-31
	A	D	29-31
	X	D	29-31

Table 3

Geometric Details Studied

The two-digit numbers at the top of each page correspond to the report column numbers given in Table 1. The design and operational variables are the first listing [Project Data File Number (PLEGEND)] and apply to all listings in this report.

Entries of "XXXXX" indicate subheadings; entries of "X" indicate confirmed nonapplicable items; and blanks indicate unavailable information.

Emphasis is on brevity since the cited report is available for detailed descriptions of each item. A definition list of useful geometric delineators is as follows.

Variable	Line No.	Symbols	Definition
Fill/Empty	10430	BLC (SBLC, IBLC, BLC-1)	Bottom lateral manifold culverts (various arrangements)
		SG (SGG, LCSG, LOOP)	End filling and empyting systems; sector gate (various alternatives)
		SP	Sideport systems (also multiport)
		HB4, HB8, VB4, VB8	Various arrangements at longitudinal floor manifolds
Lock Gates	10450	MG	Miter gate
		SG	Sector gate
		TG	Tainter gate
		VS	Vertical (submergible) lift gate
		VO	Vertical (over) lift gate
(Valve)	102110	RT	Reverse tainter
Type		CT	Conventional tainter
		VL	Vertical lift
		SG	Sector gate
		B-FLY	Butterfly valve

Table 3

Project Data File Number (PLEGEND)

(Sheet 1 of 2)

```
00001 PROJECT DATA FILE NUMBER (PLEGEND)
00002 DATE 80/14/06
10000 GENERAL INFORMATION
10100    PROJECT IDENTIFICATION
10110       PROJECT
10120       DETAIL
10130       REPORT
10200    WATERWAY
10210       NAME
10220       MILE
10230    PORT-DOCK NUMBER
10300    PROJECT DIMENSIONS
10310       DESIGN LIFT
10320       MAX. LIFT
10330       MIN. LIFT
10340       USABLE LENGTH
10350       CLEAR WIDTH
10400    PROTOTYPE SYSTEM
10410       INTAKE
10420       VALVES
10430       FILL/EMPTY
10440       OUTLET
10450       LOCK GATES
10460       EMERG. CLOSURE
10500    MODEL STUDY
10510       TITLE (SHORT)
10520       AUTHOR
10530       LABORATORY
10540       WES LIBRARY NO.
10550       REPORT DATE
10560       TEST COMPL. DATE
10570       SCALE
10580       SCOPE
10590       NOTED ITEMS
11000 INTAKE SYSTEM
11100    APPROACH
11110       CHANNEL TYPE
11120       CHANNEL LENGTH
11130       GUIDE-GUARD WALLS
11140       DEBRIS CONTROL
11150       VORTEX CONTROL
11160       TRASH RACK
11170       NOTED ITEMS
11200    MANIFOLD
11210       TYPE
11220       LOCATION
11230       DESIGN SUBMERGENCE
11240       PORTS
11241          NUMBER
11242          ARRANGEMENT
11243          SHAPE
11244          NOTED ITEMS
11250       PORT FACE
11251          WIDTH
11252          HEIGHT
11253          TOTAL AREA
11254          T. AREA/CULV. AREA
11260       PORT INTAKE
11261          WIDTH
11262          HEIGHT
11263          TOTAL AREA
11264          T. AREA/CULV. AREA
11270       PORT THROAT
11271          WIDTH
11272          HEIGHT
11273          TOTAL AREA
11274          T. AREA/CULV. AREA
11275       TRANSITION CONDUIT
11300          LENGTH
11310          SHAPE
11320          UPSTR SIZE (UXH)
11330          DNSTR SIZE (UXH)
11340          SLOPE
11350          BENDS
11360          NOTED ITEMS
11370       OPERATION
11400          TYPE
11410          VALVES USED
11420          VALVE SCHEDULE
11430          INITIAL POOL EL
11440          INITIAL CHAMBER EL
11450          NOTED ITEMS
11460       FILLING VALVE SYSTEM
12000          VALVE
12100             TYPE
12110             SIZE (UXH)
12120             RADIUS
12130             TRUNNION EL
12140             HOIST
12150             VENTS
12160             NOTED ITEMS
12170          FLOW PASSAGE
12200             SHAPE
12210             SIZE (UXH)
12220             ROOF EL
12230             INVERT EL
12240             CONTRACTION
12250             EXPANSION
12260             WELL
12270             BULKHEAD SLOTS
12280             NOTED ITEMS
12290       OPERATION
12300          TYPE
12310          VALVES USED
12320          VALVE SCHEDULE
12330          INITIAL POOL EL
12340          INITIAL CHAMBER EL
12350          VENTS
12360          BULKHEAD SLOTS
12370          NOTED ITEMS
12380    CULVERT-CHAMBER MANIFOLD
13000       CULVERT
13100          LENGTH
13110          SHAPE
13120          SIZE (UXH)
13130          AREA
13140          TRANSITIONS
13150          BENDS
13160          NOTED ITEMS
13170       MANIFOLD
13200          TYPE
13210          BRANCH LATS, LONGS
13220             NUMBER
13221             ARRANGEMENT
13222             LENGTH
13223
```

(Continued)

Table 3

Project Data File Number (PLEGEND)

(Sheet 2 of 2)

13324	SPACING	15120	SIZE (UNW)
13325	SHAPE	15130	RADIUS
13326	ENTR SIZE (UNW)	15140	TRUNNION EL
13327	TOTAL ENTR AREA	15150	HOIST
13328	T. ENT A./CULV. A.	15160	VENTS
13329	NOTED ITEMS	15170	NOTED ITEMS
13230	TRANSITIONS	15180	FLOW PASSAGE
13231	CROSS-OVER CULV.	15810	SHAPE
13232	BRANCHING	15820	SIZE (UNW)
13233	BENDS	15830	ROOF EL
13234	EXPANSIONS	15840	INVERT EL
13235	CONTRACTIONS	15850	CONTRACTION
13236	NOTED ITEMS	15860	EXPANSION
13240	PORTS	15870	WELL
13241	NUMBER	15880	BULKHEAD SLOTS
13242	ARRANGEMENT	15890	NOTED ITEMS
13243	SHAPE	15300	OPERATION
13244	NOTED ITEMS	15310	TYPE
13250	PORT THROAT	15320	VALVES USED
13251	WIDTH	15330	VALVE SCHEDULE
13252	HEIGHT	15340	INITIAL CHAMBER EL
13253	TOTAL AREA	15350	INITIAL T. U. EL
13254	T. AREA/T. BRANCHING A.	15360	NOTED ITEMS
13260	PORT OUTLET	16000	OUTLET SYSTEM
13261	WIDTH	16100	TRANSITION CONDUIT
13262	HEIGHT	16110	LENGTH
13263	HORIZ TAPER	16120	SHAPE
13264	VERT TAPER	16130	UPSTR SIZE (UNW)
13265	DESIGN SUBMERGENCE	16140	DNSTR SIZE (UNW)
13300	OPERATION	16150	SLOPE
13310	TYPE	16160	BENDS
13320	VALVES USED	16170	NOTED ITEMS
13330	VALVE SCHEDULE	16800	MANIFOLD
13340	INITIAL POOL EL	16210	TYPE
13350	INITIAL CHAMBER EL	16220	LOCATION
13360	INITIAL T. U. EL	16230	PORTS
13370	NOTED ITEMS	16231	NUMBER
14000	LOCK CHAMBER	16232	ARRANGEMENT
14100	FEATURES	16233	SHAPE
14110	FLOOR EL	16240	PORT THROAT
14120	MANIFOLD RECESSES	16241	WIDTH
14130	MANIFOLD BAFFLES	16242	HEIGHT
14140	GATES	16243	TOTAL AREA
14150	EMERGENCY CLOSURE	16244	T. AREA/COND. AREA
14160	IMPACT BARRIER	16250	PORT OUTLET
14170	ICE & DEBRIS	16251	WIDTH
14180	NOTED ITEMS	16252	HEIGHT
14200	OPERATION	16253	DESIGN SUBMERGENCE
14210	TOW	16260	NOTED ITEMS
14211	SIZE	16300	APPROACH
14212	POSITION	16310	CHANNEL TYPE
14213	DRAFT	16320	CHANNEL LENGTH
14214	NOTED ITEMS	16330	GUIDE/GUARD WALLS
14220	TYPE	16340	ENERGY DISSIPATOR
14230	VALVES USED	16350	BAFFLES
14240	VALVE SCHEDULE	16360	NOTED ITEMS
14250	INITIAL POOL EL	16400	OPERATION
14260	INITIAL CHAMBER EL	16410	TYPE
14270	INITIAL T. U. EL	16420	VALVES USED
14280	INITIAL CUSHION	16430	VALVE SCHEDULE
14290	NOTED ITEMS	16440	INITIAL CHAMBER EL
15000	EMPTYING VALVE SYSTEM	16450	INITIAL T. U. EL
15100	VALVE	16460	NOTED ITEMS
15110	TYPE	17000	END PROJ. DATA FILE NO. PLEGEND

```
00001 PROJECT DATA FILE NO P01SP019
00002 DATE 02/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: PICKWICK
10120 DETAIL:
10130 REPORT:  STP 19
10200 XXXXX
10210 TENNESSEE RIVER
10220 206.7
10230 46206 706
10300 XXXXX
10310 55
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 PICKWICK LOCK
10520 NELSON
10530 STP-SUI
10540 TC159 US NO. 19
10550 APR 1937
10560 FEB 1935
10570 1130, 1115
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 694.4-NA-215.4
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-& OUTSIDE GUIDE & GUARD WALLS
11230 23
11240 XXXXX
11241 4 PR EA SIDE
11242 SINGLE LINES
11243 RECT
11244
11250 XXXX
11251 9
11252 11
11253 792 EA SIDE
11254 792/144
11260 XXXXX
11261 8
11262 10
11263 840 EA SIDE
11264 840/144
11270 XXXXX
11271 4 TO 1.8
11272 18
11273 891.8 EA SIDE
11274 891.8/144
11275 9.1/12
11300 XXXXX
11310 127
11320 RECT
11330 16 X 16
11340 12 X 12
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,2
11440 413
11450 390 TO 352
11460
12000 XXXXX
12100 XXXXX
12110 CT,RT
12120 12 X 12; 12 X 9
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220 12 X 12; 12 X 9
12230 351, 348
12240 339
12250 X
12260 X
12270 YES
12280 YES
12290 60 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S,2
12340 413
12350 352 TO 405
12360
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 500
13120 RECT
13130 18 X 18
13140 144
13150 X
13160 X
13170 ROOF VENTS
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13881 X
13882 X
13883 X
```

Table 3

```
13284 X
13285 X
13286 X
13287 X
13288 X
13289 X
13290 XXXXX
13291 X
13292 X
13293 X
13294 X
13295 X
13296 X
13240 XXXXX
13241 20 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 2.5 TO 4
13252 2.5 TO 4
13253 125 TO 320
13254
13260 XXXXX
13261 4 TO 5.5
13262 4 TO 3
13263 1.5 : 8
13264 1.5:10
13265 9
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,2
13340 413
13350 352 TO 414
13360 350 TO 363
13370 CULVERT ROOF VENTS
14000 XXXXX
14100 XXXXX
14110 339
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212 C
14213
14214
14220 F,E
14230 FB,EB
14240 2 & PARTIAL
14250 413
14260 352 TO 413
14270 352
14280
14290
15000 XXXXX
15100 XXXXX
15110 CT,RT
```

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15120 18 X 18
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12 X 18
15230 361
15240 339
15250
15260
15270
15280 YES
15290 60 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB
15330 S
15340 413 TO 391
15350 352
15360 BULKHEAD SLOT
16000 XXXXX
16100 XXXXX
16110 80
16120 RECT
16130 12 X 12
16140 12 X 12
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE L/BOTH SIDES R WALLS
16230 XXXXX
16231 20, 16 EA SIDE
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 4;3
16242 4
16243
16244
16250 XXXXX
16251 4
16252 4
16253 11
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 635-MA-637
16340 X
16350 X
16360
16400 XXXXX
16410 S
16420 EB
16430 S
16440 373 TO 391
16450 352
16460 BULKHEAD SLOT
17000 END PROJ. DATA FILE NO. P018P019
```

```
00001 PROJECT DATA FILE NO P08SP081
00002 DATE 08/14/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: GUNTERSUILLE
10120 DETAIL:
10130 REPORT:  STP 21
10200 XXXXX
10210 TENNESSEE RIVER
10220 349
10230 45349 006
10300 XXXXX
10310 39
10320 52
10330 23
10340 360
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 GUNTERSUILLE LOCK
10520 WEBSTER
10530 STP-SUI
10540 TC159 US NO. 21
10550 JUL 1937
10560 APR 1936
10570 1:20
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 446-144.5-144.5
11140
11150  SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-& OUTSIDE GUIDE & GUARD WALLS
11230 20
11240 XXXXX
11241 4 PR EA SIDE
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 6.7
11252 7.3
11253 332.88 EA SIDE
11254 332.88/64
11260 XXXXX
11261 6.3
11262 6.7
11263 284.08 EA SIDE
11264 284.08/64
11270 XXXXX
11271 2.6 TO 1.8
11272 10.7
11273 168.36 EA SIDE
11274 168.36/84
11275 7.4/8
11300 XXXXX
11310 80
11320 RECT
11330 10.7 X 10.7
11340 8 X 8
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,1,2
11440 594
11450 555,564
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 8 X 8
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230 546
12240 538
12250 X
12260 X
12270 YES
12280 YES
12290 40 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S,2,1
12340 594
12350 555
12360 X
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 340
13120 RECT
13130 8 X 8
13140 64
13150 X
13160 X
13170 ROOF VENTS
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

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```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 14 TO 11 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 2,1.9
13252 2,1.9
13253 4,3.67
13254
13260 XXXXX
13261 2.9,2.8
13262 2.9,2.8
13263 1:10
13264 1:10
13265 12
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1,2
13340 594
13350 555 TO 594
13360 555
13370
14000 XXXXX
14100 XXXXX
14110 538
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212 C
14213
14214
14220 F,E,S
14230 FB,EB
14240 9,1,2
14250 594
14260 555 TO 594
14270 555
14280
14290
15000 XXXXX
15100 XXXXX
15110 AT
15120 8 X 8
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 8X8
15230 546
15240 538
15250 X
15260 X
15270 YES
15280 YES
15290 36 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB
15330 S,2
15340 594,581
15350 555
15360 BULKHEAD SLOTS
16000 XXXXX
16100 XXXXX
16110 60
16120 RECT
16130 8X8
16140 8X8
16150 HORIZ
16160 1 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE L/ BOTH SIDES R WALLS
16230 XXXXX
16231 16 EA WALL
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 2.7
16242 2.7
16243
16244
16250 XXXXX
16251 2.7
16252 2.7
16253 17
16260 VENTS
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 5023-110-457
16340 X
16350 X
16360
16400 XXXXX
16410 S
16420 EB
16430 S
16440 581
16450 555
16460 BULKHEAD SLOTS
17000 END PROJ. DATA FILE NO. P080P081
```

```
00001 PROJECT DATA FILE NO P038P081
00002 DATE 02/14/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: WATTS BAR
10120 DETAIL:
10130 REPORT:  STP 87
10200 XXXXX
10210 TENNESSEE RIVER
10220 529.9
10230 45529 906
10300 XXXXX
10310 58
10320 71
10330
10340 360
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 WATTS BAR LOCK
10520 WARNER
10530 STP-SUI
10540 TC159 US NO. 27
10550 DEC 1937
10560 JAN 1937
10570 1:20
10580 SYSTEM
10590 SEE GUNTERSVILLE STUDY
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 530-NA-176.9
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-& OUTSIDE BOTH APPROACH WALLS
11230
11240 XXXXX
11241 8 EA WALL
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 9
11252 11
11253 792 EA WALL
11254 792/64
11260 XXXXX
11261 8
11262 10
11263 640 EA WALL
11264 640/64
11270 XXXXX
11271 4 TO 1.8
11272 16
11273 365.2 EA WALL
11274 365.2/64
11275 11.1/8
11300 XXXXX
11310 90
11320 RECT
11330 16 X 16
11340 8 X 8
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 9
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 8 X 8
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8 X 8
12230 669
12240 661
12250 X
12260 X
12270 YES
12280 YES
12290 40 FT BTWN BLKHDS
12300 XXXXX
12310 S
12320 FB
12330 S
12340 746
12350 675
12360
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 385
13120 RECT
13130 8X8,7X7,6X7
13140 64,49,42
13150 X
13160 X
13170 ROOF VENTS
13200 XXXXX
13210 SIDEPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3

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```
13284 X
13285 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 8 TO 14 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 GUNTERSVILLE NO. 2
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 F,E
13320 FB,EB
13330 1,2,DELAY
13340 746
13350 675,746
13360 675
13370
14000 XXXXX
14100 XXXXX
14110 659
14120 X
14130 X
14140 MG
14150 MG
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 1,2,DELAY
14250 648
14260 648 & 675
14270 675
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 8X8
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 8X8
15230 669
15240 661
15250 X
15260 X
15270 YES
15280 YES
15290 35 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 60
16120 RECT
16130 8X8
16140 12X8
16150 HORIZ
16160 1 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE L/IN-& OUTSIDE R WALLS
16230 XXXXX
16231 16 EA WALL
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 4
16243 156
16244 156/64
16250 XXXXX
16251 4
16252 4
16253
16260
16300 XXXXX
16310
16320
16330 457-NA-75
16340
16350
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. P038P087
```

```
00001 PROJECT DATA FILE NO P04SP028
00002 DATE 02/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CHICKAMAUGA
10120 DETAIL:
10130 REPORT:  STP 28
10200 XXXXX
10210 TENNESSEE RIVER
10220 471
10230 4547: 006
10300 XXXXX
10310 49
10320 57
10330
10340 360
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 CHICKAMAUGA LOCK
10520 WARNER
10530 STP-SUI
10540 TC159 US NO. 28
10550 DEC 1937
10560 JUN 1936
10570 1:20
10580 SYSTEM
10590 SEE GUNTERSVILLE STUDY
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 446-NA-173.8
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-& OUTSIDE BOTH APPROACH WALLS
11230
11240 XXXXX
11241 8 EA WALL
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 6
11252 7.3
11253 360.4 EA WALL
11254 360.4/64
11260 XXXXX
11261 5.3
11262 6.7
11263 284.08 EA WALL
11264 284.08/64
11870 XXXX
11871 2.6 TO 1.2
11872 10.7
11873 150.36 EA WALL
11874 150.36/64
11875 7.4/8
11900 XXXXX
11910 90
11920 RECT
11930 10.7 X 10.7
11940 8X8
11950 DOWN
11960 2 VERT
11970
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 RT
12120 8X8
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8X8
12230
12240
12250 X
12260 X
12270 YES
12280 YES
12290 40 FT BTWN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 325
13120 RECT
13130 8X8
13140 64
13150 X
13160 X
13170 ROOF VENTS
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

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```
13824 X
13825 X
13826 X
13827 X
13828 X
13829 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 7 TO 14 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 GUNTERSVILLE NO. 2
13250 XXXXX
13251 1.9, 1.6
13252 1.9, 1.6
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 F,E
13320 FB,EB
13330 1,2,3
13340 685,682
13350 628 TO 685
13360 628,634
13370
14000 XXXXX
14100 XXXXX
14110
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 1,2,3
14250 685,682
14260 628 TO 685
14270 628,634
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 8X8
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 8X8
15230
15240
15250 X
15260 X
15270 YES
15280 YES
15290 35 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 60
16120 RECT
16130 8X8
16140 12X8
16150 HORIZ
16160 1 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE L/IN-& OUTSIDE R WALLS
16230 XXXXX
16231 16 EA WALL
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330 484.4-NA-557
16340
16350
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. P048P08B
```

```
00001 PROJECT DATA FILE NO P05SP034
00002 DATE 08/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: WHEELER
10120 DETAIL:
10130 REPORT:  STP 34
10200 XXXXX
10210 TENNESSEE RIVER
10220 274.9
10230 45274 916
10300 XXXXX
10310 48
10320 50
10330
10340 400
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 WHEELER LOCK
10520 WARNER
10530 STP-SUI
10540 TC159 US NO. 34
10550 JUL 1939
10560 FEB 1938
10570 1:20
10580 SYSTEM
10590 ALSO PROTOTYPE DATA
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 131-430-430
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE & GUARD WALLS
11230 43
11240 XXXXX
11241 3 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 5
11252 8
11253 120 EA SIDE
11254 120/80
11260 XXXXX
11261 5
11262 8
11263 120 EA SIDE
11264 120/80
11270 XXXXX
11271 5
11272 8
11273 120 EA SIDE
11274 120/80
11275 15/8
11300 XXXXX
11310 82
11320 RECT
11330 8 12
11340 8X10
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 CT
12120 8 X 10
12130
12140
12150
12160 X
12170
12200 XXXXX
12210 RECT
12220 8 X 10
12230 502
12240 492
12250 X
12260 X
12270 YES
12280 YES
12290 38 FT BTWN BLKHDS
12300 XXXXX
12310
12320
12330
12340
12350
12360 X
12370 OPEN
12380
13000 XXXXX
13100 XXXXX
13110 270
13120 RECT
13130 8 X 10
13140 80
13150 X
13160 X
13170 ROOF VENTS
13200 XXXXX
13210 SIDEPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 10 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 4
13252 3
13253 120 EA SIDE
13254 120/80
13260 XXXXX
13261 4 (PLUS 0.5 R FLARE)
13262 3 (PLUS 0.5 R FLARE)
13263 X
13264 X
13265 10
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 496
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110 CT
15120 8 X 10
15130
15140
15150
15160
15170
15800 XXXXX
15810 RECT
15820
15230
15240
15850
15260
15270
15280
15290 38 FT BTUM BLKHDS
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110 76
16120 RECT
16130 8 X 10
16140 8 X 10
16150 HORIZ
16160 2 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE APPROACH WALLS
16230 XXXXX
16231 6 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 5
16242 4
16243 120
16244 120/80
16250 XXXXX
16251 6 (0.5-R FLARE)
16252 5 (0.5 R FLARE)
16253 10
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 237.6-90-393
16340 X
16350 X
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P05EP034
```

Table 3

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```
00001 PROJECT DATA FILE NO P06SP044
00002 DATE 02/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: ST ANTHONY FALLS
10120 DETAIL:  APPROACH
10130 REPORT:  STP 44
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 L:853.4; U:853.8
10230 32853-798,780
10300 XXXXX
10310 L:24.8; U:43.2
10320
10330
10340 L&U: 400
10350 L&U: 56
10400 XXXXX
10410
10420
10430 L:BLC; U:BLC
10440
10450 L:TG,MG; U:MG,MG
10460 L:BO; U:TG
10500 XXXXX
10510 ST. ANTHONY FALLS LOCKS
10520 WITZIGMAN
10530 STP-SUI
10540 TC159 US NO. 44
10550 NOV 1940
10560 DEC 1939
10570 1:50
10580 SITE; SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 U:LONG; L:0.4 MI
11130 L:MA-MA-476; U:10S-MA-1006
11140
11150 U: SUBMERGENCE; L:X
11160
11170 G. WALL DESIGN DETAILS
11200 XXXXX
11210 U:SIDEWALL; L:X
11220 U:INSIDE G/G WALLS
11230
11240 XXXXX
11241 U:3 EA SIDE
11242 U:SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 U:5
11262 U:8
11263 U:120 EA SIDE
11264 U:120/80
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310 U:80
11320 U:RECT
11330 U:8 X 10
11340 U:8 X 10
11350 U:DOWN
11360 U:2 VERT
11370
11400 XXXXX
11410 L:F; U:F
11420 L:FB; U:FB
11430 L:2; U:2
11440 L:751; U:796
11450 L:729; U:751
11460
12000 XXXXX
12100 XXXXX
12110 U:TV; L:SUB T GATE
12120 U:8X10
12130 L:27.5
12140 L:737
12150
12160
12170 L:FLOW OVER TOP OF GATE
12200 XXXXX
12210 U:RECT
12220 U:8X10
12230 U:747.5
12240 U:737.5
12250 U:X
12260 U:X
12270 U:YES
12280 U:YES
12290 U:45 FT BTWN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 L:X; U:310
13120 L:RECT; U:RECT
13130 U:8X10
13140 U:80
13150 U:X
13160 U:X
13170
13200 XXXXX
13210 U(FAE),L(E ONLY):SIDEPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 U:12,L:8 EA SIDE
13242 SINGLE LINE(STAGGERED VS NON-S)
13243 RECT
13244
13250 XXXXX
13251 U:3; L:5
13252 U:3; L:5
13253
13254
13260 XXXXX
13261 U:5; L:7; (1-R FLARE)
13262 U:5; L:6; (1-R FLARE)
13263 X
13264 X
13265
13300 XXXXX
13310 U:F
13320 U:FB
13330
13340 U:796
13350 U:751
13360
13370
14000 XXXXX
14100 XXXXX
14110 L:712; U:736
14120 X
14130 X
14140 L:SUB TAINTER & MG; U:MG
14150
14160
14170
14180 L:FILLS WITH SUB T GATE
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214
14220 F
14230 U:FB; L:T. GATE
14240
14250 U:796; L:751
14260 U:751; L:729
14270
14280
14290
15000 XXXXX
15100 XXXXX
16110 U:TU; L:TV
```

```
16120 U:8X10; L:14X12
16130
16140
16150
16160
16170
16200 XXXXX
16210 RECT
16220 U:8X10; L:14X12
16230 U:747.5; L:720
16240 U:737.5; L:708
16250 X
16260 X
16270 YES
16280 YES
16290 L:35
16300 XXXXX
16310 X
16320 X
16330 X
16340 X
16350 X
16360 X
16000 XXXXX
16100 XXXXX
16110 L:52;U:100
16120 L:RECT; U:RECT
16130 L:14X12; U:8X10
16140 L:14X12; U:8X10
16150 L:HORIZ; U:HORIZ
16160 L:X; U:X
16170
16200 XXXXX
16210 L:10 BOT LAT;L&U:SIDEWALL
16220 L&U:APPROACH
16230 XXXXX
16231 L:10 PER LAT;L:12,U:10 EA SIDE
16232 L:TOP OF LAT;L&U:SINGLE LINE
16233 L:CIRC; L&U:RECT
16240 XXXXX
16241 L:2.1 DIA; L:5; U:4
16242 L:5; U:3
16243 L:314,300; U:120 EA SIDE
16244
16250 XXXXX
16251 L:7(1-R FL);U:4(+0.5-R FL)
16252 L:6(1-R FL);U:3(+0.5-R FL)
16253
16260
16300 XXXXX
16310 POOL
16320 LONG
16330 L:98-NA-408;U:627-NA-265
16340 X
16350 X
16360 G. WALL DETAILS
16400 XXXXX
16410 E
16420 EB
16430 U:4; L:8
16440 U:796; L:751
16450 U:751; L:729
16460
17000 END PROJ. DATA FILE NO. P0SSP044
```

```
00001 PROJECT DATA FILE NO P07DU8-1
00002 DATE 02/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: WILLAMETTE FALLS
10120 DETAIL:
10130 REPORT:  BHL 8-1
10200 XXXXX
10210 WILLAMETTE RIVER
10220 26.1
10230 90526 506
10300 XXXXX
10310 M:47.6 & G:15
10320
10330
10340 440 (M&G)
10350 56 (M&G)
10400 XXXXX
10410
10420
10430 SGG
10440
10450 MG,MG; MG,MG
10460 N
10500 XXXXX
10510 WILLAMETTE FALLS LOCKS
10520 COCHRANE
10530 BHL
10540
10550 JUN 1941
10560 APR 1941
10570 1:25
10580 SYSTEM
10590 MAIN LOCK-BASIN-GUARD LOCK
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 100-NA-100
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALLS
11230 M:15.75; G:2 TO 15
11240 XXXXX
11241 M:4 EA SIDE; G:4 RT SIDE
11242 SINGLE LINE
11243 RECT
11244 G:SINGLE SIDE SYSTEM
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 M:6; G:7
11262 M:7.25; G:9
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310 M:80
11320 RECT
11330
11340 M: 7 X 11
11350 M:DOWN; G:HORIZ
11360 M:2 VERT; G:NONE
11370
11400 XXXXX
11410 M: F,S
11420 M: FB
11430 M:S, 537, 325 SEC
11440 M:55.5 TO 47.6
11450 M:25 TO 2
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 7 X 11
12130
12140
12150
12160 X
12170
12200 XXXXX
12210 RECT
12220 M:7X11; G:11X11
12230 M:-11.5 TO -7; G:52
12240 M:-22.5 TO -18; G:41
12250 X
12260 X
12270 YES
12280 YES
12290 M:25 (G:60) FT BTWN BLKHDS
12300 XXXXX
12310 M: F,S
12320 M: FB
12330 M: S
12340 M: 55.5 TO 49.6
12350 M: 25 TO 2
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110 M:40, 500, 330; G:350
13120 M:RECT, CIRC; G:RECT
13130 M:7X11, 11X11, 9.5X8.1; G:11X11
13140
13150 M:7X11 TO 9.5X8.1 TO 13.5D; M&G:TAPERED CULVERT
13160
13170 SEE REPORT FOR SEPARATE EMPTYING SYSTEMS
13200 XXXXX
13210 M:LAT,LONG FLOOR CULVERTS; G:SIDEPORT
13220 XXXXX
13221 M:10 LATS, 1 OR 2 LONG, 1 LONGU/12 LATS
13222 M:UPSTR, MID-TWO-THIRDS
13223 M:56 TO 265
```

Table 3

```
13224 M:LATS 6, 24; LONG AT CTR OR QTR
13225 M:RECT,CIRC
13226 M:5X6, 8.7X8.7, 13.6 DIAM
13227
13228
13229
13230 XXXXX
13231 M:UPSTR/DNSTR W/2 LONG
13232 M:LONG SYSTEMS
13233 M:HORIZ IN LONG SYSTEMS
13234 X
13235 M:TAPERED LONG & LATS
13236
13240 XXXXX
13241 M:18 TO 98 ; G: 18
13242 SINGLE LINES
13243 M:CIRC,CHEVRON; G:RECT
13244 M:PORTS IN FLOOR
13250 XXXXX
13251 M: 1.6, 4, 3 TO 1.5 D; G: 4, 8
13252 G: 4,2
13253
13254
13260 XXXXX
13261 M: 1.6, 4, 3 TO 1.5 D; G: 8 TO 5
13262 G: 2 TO 10.6
13263 X
13264 G: TOP 6 R, BOT 1:10
13265
13300 XXXXX
13310 M&G: F,E,S
13320 M&G: FB,FR,EB,EL,ER
13330 M:S, 537, 325, 163 SEC; G: S, 140 SEC
13340 M:55.5 TO 45; G:68 TO 58
13350 M:53 TO 2; G: 68 TO 53
13360 M: 23 TO 2; G: 53
13370
14000 XXXXX
14100 XXXXX
14110 M:-7.5, -5; G:35
14120 X
14130 M:VANES, DEFLECTORS
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F,0
14212 C,V,D,O
14213 7.5,3.5
14214 LATERAL POSIT C & S
14220 M&G: F,E,S
14230 M&G: FB,FR,ED,ER,EL
14240 M:S,537,325,163; G:S,140 SEC
14250 M:55.5 TO 45; G: 68 TO 58
14260 M:53 TO 2; G:68 TO 53
14270 M:23 TO 2; G:53
14280 M:25.5 TO 2
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 M:11X11; G:11X11
15130
15140
15150
15160
15170
15200 XXXX
15210 RECT
15220 M:11X11; G:11X11
15230 M:-0.5,-9.5,-11.5; G:38
15240 M:-11.5,-20.5,-22.5, G:27
15250 X
15260 X
15270 YES
15280 YES
15290 M:25 (G:60) FT BTWN BLKHDS
15300 XXXXX
15310 M&G: E,S
15320 M&G: EB,EL,ER
15330 M:S,140; G:S
15340 M:53 & 49.6; G:58 TO 68
15350 M:23 TO 2; G: 53
15360
16000 XXXXX
16100 XXXXX
16110 M:160; G:0
16120 M: CIRC, RECT
16130 M:12.2 D, 7X11, 11X11
16140 M:12.2 D, 7X11, 36X5
16150 M: HORIZ
16160 M: HORIZ 45, 90 DEG
16170 G: SINGLE SIDE SYSTEM
16200 XXXXX
16210 M:SINGLE & BOTTOM PORT; G:SIDE PORT
16220 M:END OF WALL; M&G:INSIDE APPROACH
16230 XXXXX
16231 M:1,2,5; G:4,3 L WALL
16232 M:ADJACENT; G: SINGLE LINE
16233 M:CIRCLE, RECT; G:RECT
16240 XXXXX
16241 M:12.2 D, 7X6, 18; G:VAR
16242 M:5; G:VAR
16243
16244
16250 XXXXX
16251 M:12.2, 7X6, 18; G:8.9 TO 8.5
16252 M:5; G:6.8 TO 7.6
16253 M:2 TO 17.5; G:18
16260
16300 XXXXX
16310 RIVER
16320 LONG
16330 300-NA-200
16340
16350
16360
16400 XXXXX
16410 M&G: E,S
16420 M&G: EB,EL,ER
16430 M: S, 140; G: S
16440 M: 53, 49.6; G: 58 TO 68
16450 M: 23 TO 2; G: 53
16460
17000 END PROJ. DATA FILE NO. P07300-1
```

Table 3

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```
00001 PROJECT DATA FILE NO P08SP46A
00002 DATE 02/14/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: PICKWICK
10120 DETAIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 TENNESSEE RIVER
10220 206.7
10230 45206 706
10300 XXXXX
10310 55
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER, HARTIGAN
10530 STP-SUI
10540 TC159 U6 NO. 46
10550 OCT 1941
10560 JUL 1939
10570 1:1
10580 SYSTEM
10590 MODEL RPT STP 19
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 694.4-MA-215.4
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-& OUTSIDE G&G WALLS
11230 23
11240 XXXXX
11241 4 PR EA SIDE
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 8
11262 10
11263 640 EA SIDE
11264 640/144
11270 XXXXX
11271 4 TO 1.8
11278 16
11279 891.2 EA SIDE
11274 891.2/144
11275 9.1/12
11300 XXXXX
11310 145
11320 RECT
11330 16X16
11340 12X12
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB
11430 5-6 S
11440 410
11450 355 TO 410
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 12X12
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12X12
12230 351
12240 339
12250 X
12260 X
12270 YES
12280 YES
12290 53 FT BTWN BLKHDS
12300 XXXXX
12310 F,E
12320 FB,EB
12330 2 TO 5
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 503
13120 RECT
13130 12X12
13140 144
13150 X
13160 X
13170
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 20 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 2.5
13252 2.5
13253 125 EA SIDE
13254 125/144
13260 XXXXX
13261 4(+1-R FLARE)
13262 4(+1-R FLARE)
13263 1:12
13264 1:12
13265 14
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S, 2 TO 8
13340 410
13350 356 TO 410
13360 356
13370
14000 XXXXX
14100 XXXXX
14110 330
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 2 TO 8
14250 410
14260 356 TO 410
14270 356
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 12X12
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12X12
15230 351
15240 330
15250 X
15260 X
15270 YES
15280 YES
15290 54 FT BTWN BLKHDS
15300 XXXXX
15310 F,E
15320 FB,EB
15330 2 TO 5
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110 73
16120 RECT
16130 12X12
16140 12X12
16150 DOWN
16160 1 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE L/ BOTH SIDES R WALLS
16230 XXXXX
16231 16 EA WALL
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 4
16242 4
16243 256
16244 256/144
16250 XXXXX
16251 4
16252 4
16253 16
16260 ROOF VENTS
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 635-NA-637
16340 X
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 2 TO 8
16440 387 TO 410
16450 356
16460
17000 END PROJ. DATA FILE NO. P0BSP40A
```

```
00001 PROJECT DATA FILE NO P09SP46B
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: WHEELER
10120 DETAIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 TENNESSEE RIVER
10220 274.9
10230 45274 916
10300 XXXXX
10310 48
10320 50
10330
10340 360
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER, HARTIGAN
10530 STP-SUI
10540 TC159 US NO. 46
10550 OCT 1941
10560 JUL 1939
10570 1:1
10580 SYSTEM
10590 MODEL RPT STP 34
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 131-430-430
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE G& G WALLS
11230 42
11240 XXXXX
11241 3 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 S
11252 8
11253 120 EA SIDE
11254 120/80
11260 XXXXX
11261 S
11262 8
11263 120 EA SIDE
11264 120/80
11270 XXXXX
11271 S
11272 8
11273 100 EA SIDE
11274 120/80
11275 15/8
11300 XXXXX
11310 80
11320 RECT
11330 8X12
11340 8X10
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 T
12120 8X10
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8X10
12230 502
12240 492
12250 X
12260 X
12270 YES
12280 YES
12290 48 FT STUN SLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 870
13120 RECT
13130 8X10
13140 40
13150 X
13160 X
13170 ROOF VENTS
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13881 X
13882 X
13883 X
```

Table 3

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```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 10 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 4
13252 3
13253 120 EA SIDE
13254 120/80
13260 XXXXX
13261 4
13262 3
13263 X
13264 X
13265
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1
13340 554
13350 504 TO 554
13360 504
13370
14000 XXXXX
14100 XXXXX
14110 496
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 1
14250 554
14260 504 TO 554
14270 504
14280
14290
15000 XXXXX
15100 XXXXX
15110 T
```

```
15120 8X10
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 8X10
15230 502
15240 492
15250 X
15260 X
15270 YES
15280 YES
15290 48 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 74
16120 RECT
16130 8X10
16140 8X10
16150 HORIZ
16160 2 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE APPROACH WALLS
16230 XXXXX
16231 6 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 5
16242 4
16243 120
16244 120/80
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 237.6-90-396
16340 X
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 1
16440 586
16450 504
16460
17000 END PROJ. DATA FILE NO. P088P488
```

```
00001 PROJECT DATA FILE NO P108P46C
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: WILSON
10120 DETAIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 TENNESSEE RIVER
10220 259.4
10230 45259 416
10300 XXXXX
10310 UPPER:46; LOWER:43
10320
10330
10340 350
10350 60
10400 XXXXX
10410
10420
10430 HBB, SBLC
10440
10450 US,MG; MG,MG
10460 P;P
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER; HARTIGAN
10530 STP-SUI
10540 TC159 U5 NO. 46
10550 OCT 1941
10560 JUL 1938
10570 1:1
10580 SYSTEM
10590 NO MODEL TEST
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 79.2-79.2-377.7;NA-NA-NA
11140
11150
11160
11170
11200 XXXXX
11210 SINGLE PORT EA SIDE
11220 BOTTOM RECESS IN UPSTR SILL
11230
11240 XXXXX
11241 1 EA SIDE
11242
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360 U: 1 HORIZ
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 CYLINDER
12120 6.33 DIAM
12130
12140
12150
12160
12170
12200 XXXXX
12210 CIRC
12220
12230
12240
12250 U&L: BELOW VALUES
12260
12270 YES
12280 X
12290
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 7X9
13140 63
13150
13160
13170 ROOF VENTS
13200 XXXXX
13210
13220 XXXXX
13221
13222
13223
```

Table 3

```
13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251 3
13252 2.5
13253
13254
13260 XXXXX
13261 3
13262 2.5
13263
13264
13265
13300 XXXXX
13310 F,E
13320 FB,EB
13330 0.5
13340 U:504; L:459 TO 504
13350 U:459 TO 504; L:416 TO 459
13360 U:459 TO 416; L:416
13370 UPPER LOCK EMPTYS INTO LOWER
14000 XXXXX
14100 XXXXX
14110 U:1450; L:1406
14120 X
14130 X
14140 UL,MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220 F,E
14230 FB,EB
14240 0.5
14250 U:504; L:459 TO 504
14260 U:459 TO 504; L:416 TO 459
14270 U:459 TO 416; L:416
14280
14290 UPPER LOCK EMPTYS INTO LOWER
15000 XXXXX
15100 XXXXX
15110 CYLINDER
```

```
15120
15130
15140
15150
15160
15170
15800 XXXXX
15810 CIRC
15820
15830
15840
15850
15860
15870 YES
15880 X
15890
15900 XXXXX
15910 X
15920 X
15930 X
15940 X
15950 X
15960 X
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160 1 VERT
16170
16800 XXXXX
16810 SINGLE PORT EA SIDE
16820 INSIDE APPROACH WALLS
16830 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330 NA-NA-NA;204.8-50-332
16340
16350
16360
16400 XXXXX
16410 E
16420 EB
16430 0.5
16440 459
16450 416
16460
17000 END PROJ. DATA FILE NO. P108P48C
```

Table 3

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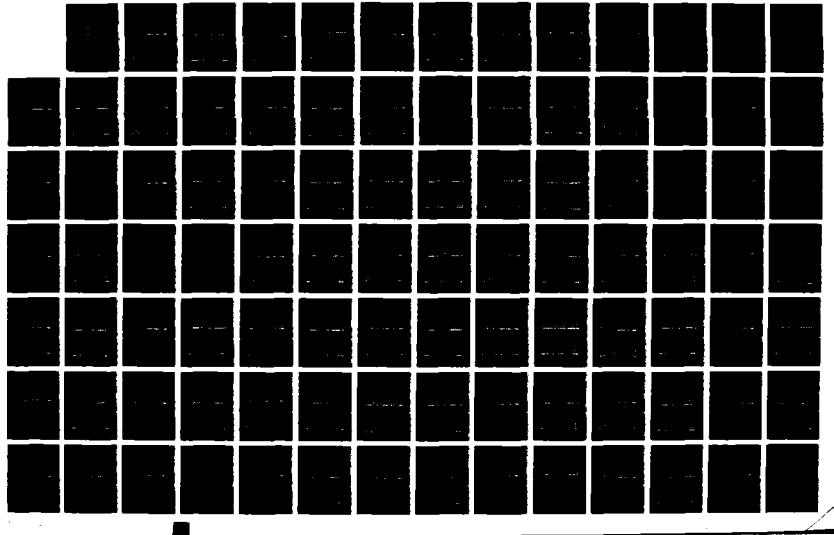
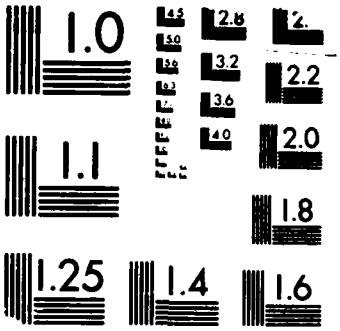
AD-A193 551 LOCK HYDRAULIC SYSTEM MODEL AND PROTOTYPE STUDY DATA; CORPS OF ENGINEERS..(U) ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MS HYDRA.. 3/4

UNCLASSIFIED E B PICKETT ET AL. MAR 88 WES/MP/HL-88-1 F/G 13/2 NL





MICROCOPY RESOLUTION TEST CHART
BUREAU OF STANDARDS 1963-A

```
00001 PROJECT DATA FILE NO P11SP46D
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: OHIO R 41
10120 DEATIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 OHIO RIVER
10220 604.4
10230 40377 190
10300 XXXXX
10310 37
10320 42
10330
10340 MAIN: 600, AUX:360
10350 M:110; A:56
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 SG
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER, HARTIGAN
10530 STP-SUI
10540 TC159 U6 NO. 46
10550 OCT 1941
10560 SEP 1938
10570 1:1
10580 SYSTEM
10590 NO MODEL TEST
11000 XXXXX
11100 XXXXX
11110 CANAL
11120 2.1 MI
11130 MA-MA-443;700-MA-425
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALLS ABOVE SILL
11230
11240 XXXXX
11241 M:6,A:4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11864
11870 XXXXX
11871
11872
11873
11874
11875
11900 XXXXX
11910
11920
11930
11940
11950
11960
11970
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 M:250; A:390
13120 M:CIRC, A:RECT
13130 M:12.75; A:8X10
13140
13150
13160 A: 2 VERT
13170 M:FILL SYS UPSTR; EMPTY DNSTR
13800 XXXXX
13810
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

Table 3

11 2 of 2

```
13824 X
13826 XX
13827 XX
13828 XX
13829 XX
13830 XXXXX
13831 X X
13832 X X
13833 X X
13834 X X
13835 X X
13836 X X
13840 XXXXX
13841 10 EA SIDE
13842 SINGLE LINE
13843 RECT
13844 M10UTLETS 24 FT BELOW CULV
13850 XXXXX
13851 M15; A14
13852 M13.2;A14
13853 X X
13854 X X
13860 XXXXX
13861 M15; A14
13862 M13.2; A14
13863 X X
13864 X X
13865 X X
13900 XXXXX
13910 F,E,5
13920 F8,E8
13930 S,1
13940 420 385 TO 420
13950 385
13960 385
13970 X X
14000 XXXXX
14100 XXXXX
14110 M1371
14120 X X
14130 X X
14140 MG,MG
14150 X X
14160 X X
14170 X X
14180 X X
14200 XXXXX
14210 XXXXX
14211 X X
14212 X X
14213 X X
14214 X X
14220 F,E,8
14230 F8,E8
14240 S,1
14250 480 385 TO 480
14260 385
14270 X X
14280 X X
14300 XXXXX
15100 XXXXX
15110 XXXXX
15120 X X
15130 X X
15140 X X
15150 X X
15160 X X
15170 X X
15180 XXXXX
15210 X X
15220 X X
15230 X X
15240 X X
15250 X X
15260 X X
15270 X X
15280 X X
15290 XXXXX
15300 X X
15310 X X
15320 X X
15330 X X
15340 X X
15350 X X
15360 XXXXX
16000 XXXXX
16100 XXXXX
16110 X X
16120 X X
16130 X X
16140 X X
16150 X X
16160 X X
16170 XXXXX
16200 SIDEWALL
16210 INSIDE APPROACH WALLS
16220 XXXXX
16230 XXXXX
16231 M16,A14 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 X X
16242 X X
16243 X X
16244 X X
16250 XXXXX
16251 X X
16252 X X
16253 X X
16260 XXXXX
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 1100-NA-NA;NA-300-NA
16340 X X
16350 X X
16360 X X
16400 XXXXX
16410 X X
16420 X X
16430 X X
16440 X X
16450 X X
17000 END PROJ. DATA FILE NO. P118P480
```

```
00001 PROJECT DATA FILE NO P18SP46E
00002 DATE 08/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: GUNTERSVILLE
10120 DEATIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 TENNESSEE RIVER
10220 349
10230 45349 006
10300 XXXXX
10310 39
10320 58
10330 23
10340 360
10350 60
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER, HARTIGAN
10530 STP-SUI
10540 TC159 US NO. 46
10550 OCT 1941
10560 JUL 1939
10570 1:1
10580 SYSTEM
10590 MODEL RPT STP 21
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 446-144.5-144.5
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN-&OUTSIDE GUIDE & GUARD WALLS
11230 20
11240 XXXXX
11241 4 PR EA SIDE
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 6.7
11252 7.3
11253 332.9
11254 338.9/84
11280 XXXXX
11281 6.3
11282 6.7
11283 284
11284 284/84
11870 XXXXX
11871 8.8 TO 1.2
11872 10.7
11873 158.4 EA SIDE
11874 158.4/84
11875 7.4/8
11900 XXXXX
11910 92
11980 RECT
11990 10.7 X 10.7
12040 8X8
12050 DOWN
12060 2 VERT
12070
12400 XXXXX
12410 F,S
12420 FB
12430 6,1
12440 594
12450 582,555
12460
12000 XXXXX
12100 XXXXX
12110 RT
12120 8X8
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8X8
12230 546
12240 538
12250 X
12260 X
12270 YES
12280 YES
12290 35 FT BTUN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 35 FT BTUN BLKHDS
13000 XXXXX
13100 XXXXX
13110 873
13120 RECT
13130 8X8
13140 64
13150 X
13160 X
13170
13800 XXXXX
13810 SIDEPORT
13880
13881 X
13882 X
13883 X
```

Table 3

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```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 14 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 1.9
13252 1.9
13253 51.38
13254 51.38/64
13260 XXXXX
13261 3.2(+0.8R FLARE
13262 3.2(+0.8R FLARE)
13263 1:10
13264 1:10
13265 15
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1
13340 594
13350 555 TO 594
13360 555
13370
14000 XXXXX
14100 XXXXX
14110 534
14120 X
14130 X
14140 RG,RG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 1
14250 594
14260 555 TO 594
14270 555
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 8X8
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 8X8
15230 546
15240 538
15250 X
15260 X
15270 YES
15280 YES
15290 35 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 138
16120 RECT
16130 8X8
16140 8X8
16150 HORIZ
16160 2 HORIZ
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE R/BOTH SIDES L WALLS
16230 XXXXX
16231 16 EA WALL
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 2.7
16242 2.7
16243 100
16244 100/64
16250 XXXXX
16251 2.7(+0.7R FLARE)
16252 2.7(+0.7R TOP FLARE)
16253 16
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 502.3-110-457
16340 X
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB
16430 S,1
16440 594
16450 555 TO 589
16460
17000 END PROJ. DATA FILE NO. P1B8P46E
```

```
00001 PROJECT DATA FILE NO P138P46F
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MONTGOMERY IS
10120 DETAIL:  PROTOTYPE
10130 REPORT:  STP 46
10200 XXXXX
10210 OHIO RIVER
10220 31.7
10230 43949 306
10300 XXXXX
10310
10320
10330
10340 MAIN:600; AUX:300
10350 M:110; A:56
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG;MG,MG
10460 M:NO;  A:BU
10500 XXXXX
10510 PROTOTYPE LOCK TESTS
10520 WEBSTER ; HARTIGAN
10530 STP-SUI
10540 TC159 US NO. 46
10550 OCT 1941
10560 JUL 1939
10570 1:1
10580 SYSTEM
10590 NO MODEL TEST
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 720-330-1200; 720-100-1200
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 M:INSIDE GUIDE; M&A:BOTH SIDES GUARD WALLS
11230 M:7; A:7
11240 XXXXX
11241 M:18 EA SIDE; A:12
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 0.5R FLARE
11252
11253
11254
11260 XXXXX
11261 6
11262 6
11263 M:450; A:300 (PER SIDE)
11264 M:450/182; A: 300/180
11270 XXXXX
11271 4
11272 4
11273 M:888;A:192
11274 M:888/162; A:192/120
11275 M:72/11; A:48/10
11300 XXXXX
11310
11320 M:RECT/CIRC/RECT; A:RECT
11330 M:110; A:10X12
11340 M:13X14.7; A:10X12
11350
11360
11370
11400 XXXXX
11410 F
11420 FB
11430 2
11440 682
11450 678 TO 665
11460
12000 XXXXX
12100 XXXXX
12110 BUTTERFLY
12120 M:13X14; A:10X12
12130
12140
12150
12160
12170
12200
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 M:11X14.6; A:10X12
13140
13150
13160
13170 A:SINGLE SIDE CULVERT
13200 XXXXX
13210
13220 XXXXX
13221
13222
13223
```

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13824
13825
13826
13827
13828
13829
13830 XXXXX
13831
13832
13833
13834
13835
13836
13840 XXXXX
13841 M:25; A:16
13842
13843
13844
13850 XXXXX
13851 4
13852 3
13853
13854
13860 XXXXX
13861 5
13862 4
13863 M:0.5/6.6; M:0.5/7
13864 A:0.5/6.6; M: 0.5/7
13865
13300 XXXXX
13310 F,E
13320 FD,ED
13330 2,1.5,1
13340 682
13350 663 TO 682
13360 663
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212 X
14213 X
14214 X
14220 F,E
14230 FD,ED
14240 2,1.5,1
14250 682
14260 663 TO 682
14270 663
14280
14290
15000 XXXXX
15100 XXXXX
15110 BUTTERFLY
```

```
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110
16120 M:RECT/CIRC/RECT; A:RECT
16130
16140
16150
16160
16170
16200 XXXXX
16210 SIDEWALL
16220 M:INSIDE GUIDE; M&A:BOTH SIDES GUARD WALLS
16230 XXXXX
16231 M:18 EA SIDE; A:12
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 4
16242 4
16243
16244
16250 XXXXX
16251 5
16252 5
16253
16260
16300 XXXXX
16310
16320
16330 350-200-670; 350-100-670
16340
16350
16360
16400 XXXXX
16410 E
16420 ED
16430
16440 682
16450 663
16460
17000 END PROJ. DATA FILE NO. P136P40F
```

```
00001 PROJECT DATA FILE NO P149P048
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MAC ARTHUR
10120 DETAIL:
10130 REPORT:  STP 48
10200 XXXXX
10210 ST MARY RIVER
10220
10230
10300 XXXXX
10310 22
10320
10330
10340 900
10350 80
10400 XXXXX
10410
10420
10430 BLC-I
10440
10450 MG,MG
10460
10500 XXXXX
10510 MacARTHUR LOCK
10520 HARTIGAN; NELSON
10530 STP-SUI
10540 TC159 US NO. 48
10550 FEB 1944
10560 JUL 1943
10570 1:25
10580 SYSTEM
10590 SOME PROTOTYPE DATA
11000 XXXXX
11100 XXXXX
11110 CANAL
11120
11130
11140
11150 SUBMERGENCE
11160 SCREEN (4-IN)
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE G & G WALLS
11230
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 8
11262 14
11263 448
11264 448/154
11870 XXXXX
11871 6.4(OR 3.4) TO 8.6
11872 14
11873 813 OR 185
11874 813/154 OR 185/154
11875 16.2/11 OR 13.2/11
11300 XXXXX
11310 66
11320 RECT
11330 11X14
11340 11X14
11350 HORIZ
11360 2 VERT IN GATE PASS
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,1 TO 18 MIN, VARIABLE
11440 115
11450 93 TO 105
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 11X14
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 11X14
12230 77.5
12240 63.5
12250 X
12260 X
12270 YES
12280 YES
12290 162 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S,5
12340 115
12350 95 TO 105
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 722
13120 RECT
13130 11X14
13140
13150
13160
13170
13800 XXXXX
13810 INTERLACED BOTTOM LATERAL
13880 XXXXX
13881 18 EA SIDE
13888 FULL LENGTH OF LOCK
13883 80
```

```
13284 VARIED
13285 RECT
13286 4X4
13287
13288
13289 PORTS IN LAT ROOF
13230 XXXXX
13231 UPSTR LAT TESTED
13232 X
13233 X
13234 X
13236 X
13236
13240 XXXXX
13241 12,11 PER LAT
13242 SINGLE LINE
13243 RECT
13244 UNIFORM & VARIED SPACING
13250 XXXXX
13251 1 TO 0.8
13252 1.8 TO 4
13253
13254
13260 XXXXX
13261 1 TO 0.8
13262 1.8 TO 5
13263 0.5-R FLARE
13264 0.5-R FLARE; 15 DEG
13265
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1 TO 18, VARIABLE
13340 115
13350 93 TO 118
13360 93
13370
14000 XXXXX
14100 XXXXX
14110 61.3
14120 X
14130 X
14140 DOUBLE SETS MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 28500 TO 4140 TONS
14212 C
14213 27 TO 4.5
14214 USED SHIP & BARGE MODELS
14220 F,E
14230 FB,EB
14240 1 TO 18, VARIABLE
14250 115
14260 93 TO 118
14270 93
14280
14290 GATE BAYS OPEN
15000 XXXXX
15100 XXXXX
15110 RT
15120 11X14
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 11X14
15230 77.5
15240 63.5
15250 X
15260 X
15270 YES
15280 YES
15290 150 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB
15330 S,3
15340 106 TO 118
15350 93
15360
16000 XXXXX
16100 XXXXX
16110 X,40
16120 X,RECT
16130 X,11X14
16140 X,17X14
16150 X,HORIZ
16160 X,X
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE G&G WALLS
16230 XXXXX
16231 8 OR 4 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 5,7.5
16242 6,14
16243 240, 420 EA SIDE
16244 240/144, 420/154
16250 XXXXX
16251 5,7.5
16252 6,14
16253 23,15
16260
16300 XXXXX
16310 CANAL
16320
16330
16340
16350
16360
16400 XXXXX
16410 E,S
16420 EB
16430 S,3
16440 106 TO 118
16450 93
16460
17000 END PROJ. DATA FILE NO. P140P048
```

Table 3

```
00001 PROJECT DATA FILE NO P1SSP049
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 2
10120 DETAIL:
10130 REPORT:  STP 49
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 815.2
10230 32815 206
10300 XXXXX
10310 12.2
10320 25
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 MO
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 MISS. R. LOCK NO. 2
10520 WARNER, NELSON
10530 STP-SUI
10540 TC159 US NO. 49
10550 FEB 1944
10560
10570 1:30
10580 SYSTEM
10590 LOOP CULV & SIDEPORT SYS TESTED
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 MA-MA-1050
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALLS
11230 11
11240 XXXXX
11241 6 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 6 (+0.5-R FLARE)
11252 8 (+0.5-R FLARE)
11253
11254
11260 XXXXX
11261 5
11262 8
11263 240 EA SIDE
11264 LP:240/156; SU:240/154
11870 XXXXX
11871 5
11872 8
11873 240 EA SIDE
11874 LP:240/156; SU:240/154
11875 LP:30/12.5; SU:30/140
11300 XXXXX
11310 LP:5; SU:105
11320 RECT
11330 12.5X14
11340 12.5 X 12.5
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 RT
12120 12.5 X 12.5
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12.5 X 12.5
12230 673.5
12240 661
12250 X
12260 X
12270 YES
12280 YES
12290 30 FT RTURN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 LP:45; SU:505
13120 LP:RECT; SU:CIRC
13130 LP:12.5 X 12.5; SU:14-D
13140 LP:156; SU:154
13150 LP:X; SU:TO CIRC
13160 LP:2 VERT; SU:X
13170 LOOP; SIDEWALL
13800 XXXXX
13810 LP:SIDEPORTS,UPSTR FLOOR LATS; SIDEPORT
13820 XXXXX
13821 LP:16 LATS TOTAL
13822 UPSTR END
13823 110
```

Table 3

Table 3


```
13224 9 FT EA SIDE
13226 RECT
13228 5X8
13227 480
13228 450/318
13229 LP FILL & EMPTY SYSTEMS SAME
13230 XXXXX
13231 X
13232 X
13233 X
13234 X X
13236 X X
13240 XXXXX
13241 LP:7 TO 11 EA SIDE; SU:20 EA SIDE
13242 SINGLE LINE EA SIDE
13243 RECT
13244 SU:OPPOSING VS STAGGERED SPACING (UNIF VS NON U)
13250 XXXXX
13251 LP:5,4; SU:2.5
13252 LP:6.5; SU:2.5
13253 SU:125
13254 SU: 125/154
13260 XXXXX
13261 LP:5,4; SU:4
13262 LP:6,5; SU:4
13263
13264
13265 SU:10
13300 XXXXX
13310 F,E
13320 FB,EB
13330 0.65 TO 6, VARIABLE
13340 687 TO 735
13350 675 TO 700
13360 675
13370
14000 XXXXX
14100 XXXXX
14110 660.5
14120 LP:UPSTR FLOOR
14130 X
14140 RG,RG
14150
14160
14170
14180 LP:FLOOR DIFFUSER
14200 XXXXX
14210 XXXXX
14211 19,15 BARGES
14212 C
14213 9
14214
14220 F,E
14230 FB,EB
14240 1,2,4
14250 687 TO 700
14260 675 TO 700
14270 675
14280
14300 XXXXX
15100 XXXXX
15110 RT
16180 18.5 X 18.5
16130
16140
16150
16170 XXXXX
15800 RECT
15810 12.5 X 12.5
15820 673.5
15840 661
15850 X
15860 X
15870 YES
15880 YES
15890 30 FT BTWN BLKHDS
15900 XXXXX
15310 X
15320 X
15330 X
15340 X X
15350 X X
15360 X X
16000 XXXXX
16100 XXXXX
16110 LP:45; SU:85
16120 RECT
16130 12.5 X 12.5
16140 12.5 X 12.5
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 LP:FLOOR; SU:SIDEWALL
16220 APPROACH
16230 XXXXX
16231 LP: 7 TO 11 EA SIDE; SU: 8 EA SIDE
16232 SINGLE LINE EA SIDE
16233 RECT
16240 XXXXX
16241 LP:5,4; SU: 5
16242 LP:6,6; SU: 6
16243
16244
16250 XXXXX
16251 LP:6.4; SU: 5
16252 LP:6.5; SU: 6
16263 SU:8
16260 LP:SAME AS FILL OUTLETS
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 NA-NA-600
16340 LP:RECESS; SU:X
16350 X
16360
16380 XXXXX
16400 E
16410 EB
16420
16430 687,700
16440 675
16450
17000 END PROJ. DATA FILE NO. P1B0P040
```

```
00001 PROJECT DATA FILE NO P1SSP051
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: ST ANTHONY FALLS
10120 DETAIL:  INTR GATE (LWR)
10130 REPORT:  STP S1
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 853.4
10230 32853 798
10300 XXXXX
10310 24.9
10320
10330
10340 400
10350 56
10400 XXXXX
10410
10420
10430 BLC
10440
10450 TG,MG
10460 BO
10500 XXXXX
10510 SAF LOWER LOCK GATE
10520 WARNER; HARTIGAN
10530 STP-SUI
10540
10550 AUG 1945
10560 DEC 1939
10570 1:22.4; 1:7; 1:4.425
10580 DETAIL
10590 SUBMERGIBLE TAINTER GATE
11000 XXXXX
11100 XXXXX
11110 POOL
11120 0.4 MI
11130 MA-MA-476
11140
11150 X
11160 X
11170
11200 XXXXX
11210 X
11220 X
11230 X
11240 XXXXX
11241 X
11242 X
11243 X
11244 X
11250 XXXXX
11251 X
11252 X
11253 X
11254 X
11260 XXXXX
11261 X
11262 X
11263 X
11264 X
11270 XXXXX
11271 X
11272 X
11273 X
11274 X
11275 X
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 SUB TAINTER GATE
12120 56X15.5 TO 24.3
12130 VARIOUS SHAPES
12140 737,737.5
12150
12160
12170 'VALVE'-'GATE'
12200 XXXXX
12210 RECT
12220 56X15.5
12230 X
12240 734
12250 X
12260 X
12270 X
12280 YES(ON SIDE)
12290
12300 XXXXX
12310 F
12320 TG
12330 1 TO 11 FT IN 1 TO 10 MIN
12340 749.5
12350 725 TO 739.5
12360 X
12370 X
12380 'VALVE'-'GATE'
13000 XXXXX
13100 XXXXX
13110 X
13120 RECT
13130 9X9
13140 81
13150 X
13160 X
13170 LOOP CULVERT EMPTYING SYSTEM
13800 XXXXX
13810 SIDEWALL
13880 XXXXX
13881 X
13882 X
13883 X
```

Table 3

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```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 6 EA SIDE
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 4.2
13252 5
13253 127.5
13254 127.5/81
13260 XXXXX
13261 4.2
13262 5
13263 X
13264 X
13265 8
13300 XXXXX
13310 E
13320 EB
13330 1 TO 6
13340 X
13350 749.5
13360 725
13370
14000 XXXXX
14100 XXXXX
14110 712
14120 BASIN, DENTATES
14130 SILLS
14140 TG,MG
14150
14160
14170
14180 DEFLECTOR
14200 XXXXX
14210 XXXXX
14211 12.9
14212 C
14213 3.6.9
14214
14220 F,E
14230 TG,EB
14240 1-11 FT/1-10 MIN; 1 TO 6
14250 749.5
14260 725 TO 739.5; 749.5
14270 725
14280
14290
15000 XXXXX
15100 XXXXX
15110 MT
15120 9X9
15130
15140
15150
15160
15170 XXXXX
15200 RECT
15210 9X9
15220 718
15230 709
15240 X X
15250 X X
15260
15270
15280
15290 XXXXX
15300 XXXXX
15310 X
15320 X
15330 X X
15340 X X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 X
16120 RECT
16130 9X9
16140 9X9
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE APPROACH WALLS
16230 XXXXX
16231 8 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 4
16243 128 EA SIDE
16244 128/81
16250 XXXXX
16251 4
16252 4
16253 8
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 97.9-HA-408
16340 X
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 1 TO 6
16440 749.5
16450 725
16460
17000 END PROJ. DATA FILE NO. P108P061
```

```
00001 PROJECT DATA FILE NO P178P052
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: LOCK HYDRAULIC
10120 DETAIL:  SYSTEMS
10130 REPORT:  STP 52
10200 XXXXX
10210 X
10220 X
10230 X
10300 XXXXX
10310 40
10320
10330
10340 400
10350 56
10400 XXXXX
10410
10420
10430 SP
10440
10450 X
10460 X
10500 XXXXX
10510 LOCK HYDRAULIC SYSTEMS
10520 WEBSTER,WARNER,HARTIGAN & NELSON
10530 STP-SUI
10540 TC159 U5 NO. 52
10550 JUN 1946
10560 APR 1938
10570 1:15
10580 SYSTEM, DETAIL
10590 MANIFOLD, PORTS, VALVES
11000 XXXXX
11100 XXXXX
11110 X
11120 X
11130 X
11140 X
11150 SUBMERGENCE
11160 X
11170 X
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALLS
11230
11240 XXXXX
11241 3 EA SIDE
11242 SINGLE LINE
11243 RECT
11244 SQUARE VS ROUNDED INLETS
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 6
11262 8
11263 120 EA SIDE
11264 180/80
11270 XXXXX
11271 6
11272 8
11273 180 EA SIDE
11274 180/80
11275 6/8
11300 XXXXX
11310 50
11320 RECT
11330 8X13.8
11340 8X10
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FD
11430 S,1.5
11440 23 TO 51.5
11450 15
11460
12000 XXXXX
12100 XXXXX
12110 VERT LIFT; TAINTER
12120 8X10
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8X10
12230 40.5,13
12240 36.5,3
12250 X
12260 X
12270 X;YES
12280 X
12290
12300 XXXXX
12310 S;F(CH OF ROCKS)
12320 FD (TAINTER V.)
12330 S; 5.6(CH OF ROCKS)
12340 VAR.; 415(CH OF ROCKS)
12350 VAR.; 377.4(CH OF ROCKS)
12360 X
12370 2
12380 ALSO CH OF ROCKS DATA
13000 XXXXX
13100 XXXXX
13110 300
13120 RECT
13130 8X10
13140 80
13150 X
13160 X
13170
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13881 X
13882 X
13883 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 5 TO 14 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 SQUARE VS ROUNDED
13250 XXXXX
13251 4 TO 1.5 (7 DESIGNS)
13252 4 TO 1.5 (7 DESIGNS)
13253
13254
13260 XXXXX
13261 5.5 TO 2.6
13262 4 TO 8.6
13263 VARIED
13264 VARIED
13265
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1.5
13340 23 TO 51.5
13350 0 TO 51.5
13360 15
13370
14000 XXXXX
14100 XXXXX
14110 0
14120 X
14130 X
14140 X
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,EB
14240 1.5
14250 23 TO 51.5
14260 15 TO 51.5
14270 15
14280 0 TO 45
14290
15000 XXXXX
15100 XXXXX
15110 VERT LIFT
15120 BX10
15130 X
15140 X
15150
15160
15170
15200 XXXXX
15210 RECT
15220 BX10
15230 13
15240 3
15250 X
15260 X
15270 X
15280 X
15290
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 X
16120 X
16130 X
16140 X
16150 X
16160 X
16170 X
16200 XXXXX
16210 SINGLE OUTLET
16220 AT VALVE
16230 XXXXX
16231 1 EA SIDE
16232
16233 RECT
16240 XXXXX
16241 8
16242 10
16243
16244
16250 XXXXX
16251 8
16252 10
16253 X
16300
16300 XXXXXX
16310 X
16320 X
16330 X
16340 X
16350 X
16360 X
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. P17SP05B
```

```
00001 PROJECT DATA FILE NO P18TM282
00002 DATA 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MCNARY
10120 DETAIL:  TAINTER VALVE
10130 REPORT:  TM 2-282
10200 XXXXXX
10210 COLUMBIA RIVER
10220 282
10230 92292  001
10300 XXXXX
10310 75 (ORIGINALLY 86)
10320
10330
10340 675
10350 86
10400 XXXXXX
10410
10420 RTD
10430 BLC
10440
10450 MG,MG
10460 N
10500 XXXXX
10510 McNARY VALVE
10520 MURPHY, ET AL
10530 WES
10540 TA7 W34 NO 2-282
10550 JUN 1949
10560 JUN 1948
10570 1:20
10580 DETAIL
10590 FLOW PASSAGE CAVITATION TESTS
11000 XXXXXX
11100 XXXXX
11110
11120
11130 1400-MA-162
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260
11261
11262
11263
11264

11270 XXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RTD
12120 11 X 12
12130
12140 241
12150 HYDRAULIC
12160 X
12170
12200 XXXXX
12210 RECT
12220 11 X 12
12230 240
12240 228
12250 X
12260 X
12270 YES
12280 X
12290
12300 XXXXX
12310 F
12320 ONE
12330 $
12340 MA
12350 MA
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210
13220
13221
13222
13223
```

Table 3

Table 3

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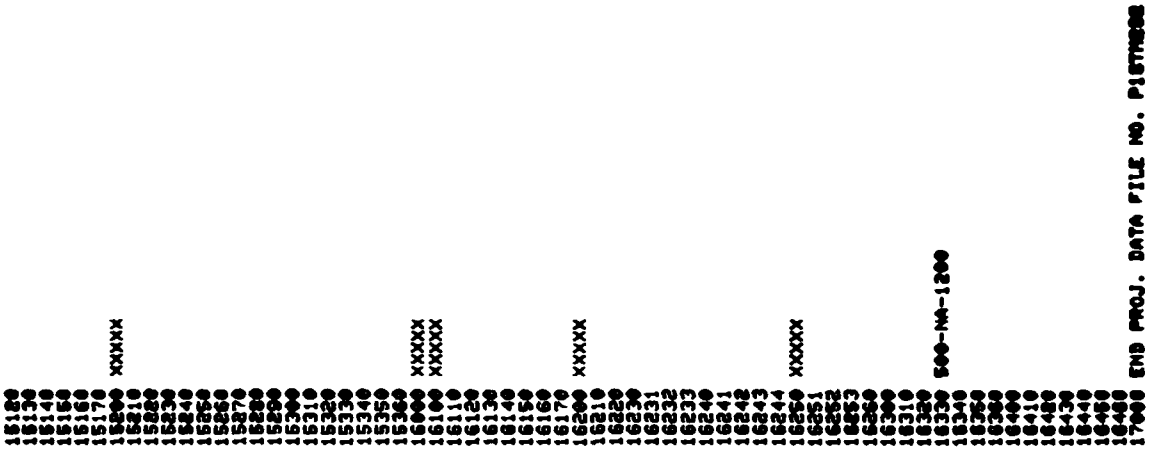

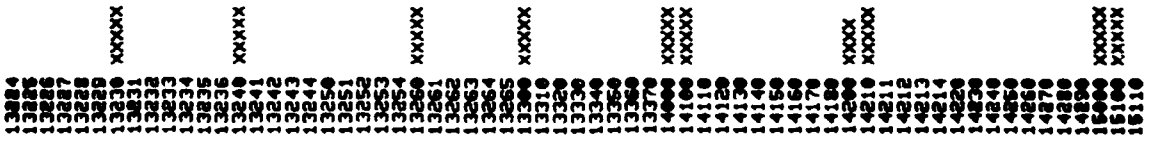

```
00001 PROJECT DATA FILE NO P18TM313
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: PEARL R
10120 DETAIL:  B-FLY VALVES
10130 REPORT:  TM 2-313
10200 XXXXX
10210 PEARL RIVER
10220
10230
10300 XXXXX
10310 16.75
10320 28
10330 5
10340 310
10350 65
10400 XXXXX
10410
10420 BUTTERFLY
10430 LOOP CULVERTS
10440
10450 MG,MG
10460
10500 XXXXX
10510 PEARL RIVER LOCKS
10520
10530 UES
10540 TA7 W34 NO. 2-313
10550 JUN 1950
10560 AUG 1949
10570 118
10580 DETAIL
10590 INCLUDES PROTOTYPE DATA
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241 1
11242
11243 RECT
11244
11250 XXXXX
11251 11.0
11252 7.5
11253
11254
11260 XXXXX
11261 12
11262 6.4
11263
11264
11870
11871
11872
11873
11874
11875
11900 XXXXX
11910
11920
11930
11940
11950
11960
11970
11400 XXXXX
11410
11420
11430
11440
11450
11460 VALVES AT INTAKE THROAT
12000 XXXXX
12100 XXXXX
12110 BUTTERFLY (3 ABREAST)
12120 EACH 3.0 X 6.4
12130 X
12140 (VERTICAL)
12150 MANUAL
12160 X
12170 TESTED DEFLECTORS ON B-FLY LEAF
12200 XXXXX
12210 RECT
12220 12 X 6.4
12230 NA
12240 NA
12250 12 X6.4 TO 7 X 6.4
12260 X
12270 X
12280 X
12290 CONTRACTION IN 90 DEG HORIZ BEND DNSTR FROM VALVES
12300 XXXXX
12310 F
12320 1,2 OR 3
12330 $
12340
12350
12360 X
12370 X
12380 PROTOTYPE DATA
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13800
13810
13820
13881
13888
13883
```

Table 3

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```
15180
15130
15140
15150
15160
15170
15800 XXXXX
15810
15820
15830
15840
15850
15860
15870
15880
15890
15900 XXXXX
15310
15320
15330
15340
15350
15360 XXXXX
15370
15380
15390
15400 XXXXX
15410
15420
15430
15440
15450
17000 END PROJ. DATA FILE NO. P1STN313

13884
13885
13886
13887
13888
13230 XXXXX
13231
13232
13233
13234
13235
13236 XXXXX
13240
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110
```

```
00001 PROJECT DATA FILE NO PROTR300
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: ALGIERS
10120 DETAIL:
10130 REPORT:  TR 2-300
10200 XXXXX
10210 INTRACOASTAL WATERWAY
10220
10230 67004 000
10300 XXXXX
10310 18.0
10320 18.5
10330 -4.5
10340 797
10350 75
10400 XXXXX
10410 APPROACH CHANNEL
10420 X
10430 SG
10440 APPROACH CHANNEL
10450 SG,SG
10460 BU
10500 XXXXX
10510 ALGIERS LOCK
10520 MURPHY, ET AL
10530 WES
10540 TA7 W34 NO.2-300
10550 APR 1951
10560 JUL 1948
10570 1:20
10580 SYSTEM,DETAIL
10690
11000 XXXXX
11100 XXXXX
11110 CANAL
11120 LONG
11130 792-NA-NA
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 X
11220 X
11230 X
11240 XXXXX
11241 X
11242 X
11243 X
11244 X
11250 XXXXX
11251 X
11252 X
11253 X
11254 X
11300 XXXXX
11301 X
11302 X
11303 X
11304 X
11870 XXXXX
11871 X
11872 X
11873 X
11874 X
11875 X
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 SECTOR GATE(3 TYPES)
12120 75X36
12130 38
12140 (2 FT FROM WALL)
12150 HYDRAULIC
12160 X
12170 3 TYPES GATE LIP TESTED
12200 XXXXX
12210 RECT
12220 VARIABLE
12230 X
12240 -14
12250 SECTOR GATE FACE
12260 ABRUPT
12270 X
12280 X
12290
12300 XXXXX
12310 F,S
12320 BOTH
12330 VARIABLE
12340 7 TO 21
12350 -0.5 TO -9.3
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110 X
13120 X
13130 X
13140 X
13150 X
13100 X
13170 X
13200 XXXXX
13210 X
13300 XXXXX
13301 X
13302 X
13303 X
```

Table 3

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```
13224 x                                                  15120 75 X 36
13225 x                                                  15130 38
13226 x                                                  15140 88 FT FROM WALL)
13227 x                                                  15150 HYDRAULIC
13228 x                                                  15160 x
13229 x                                                  15170
13230 xxxxx                                              15200 xxxxx
13231 x                                                  15210 RECT
13232                                                    15220 VARIABLE
13233 x                                                  15230 x
13234 x                                                  15240 -14
13235 x                                                  15250 SECTOR GATE FACE
13236 x                                                  15260 x
13240 xxxxx                                              15270 x x
13241 x                                                  15280
13242 x                                                  15290
13243 x                                                  15300 xxxxx
13244 x                                                  15310 x
13250 xxxxx                                              15320 x x
13251x                                                   15330 x
13252 x                                                  15340 x
13253 x                                                  15350 x
13254 x                                                  15360 x
13260 xxxxx                                              16000 xxxxx
13261 x                                                  16100 xxxxx
13262 x                                                  16110 x
13263 x                                                  16120 x
13264 x                                                  16130 x
13265 x                                                  16140 x
13300 xxxxx                                              16150 x
13310 x                                                  16160 x
13320 x                                                  16170 x
13330 x                                                  16200 xxxxx
13340 x                                                  16210 x
13350 x                                                  16220 x
13360 x                                                  16230 xxxxx
13370 x                                                  16231 x
14000 xxxxx                                              16232 x
14100 xxxxx                                              16233 x
14110 -14                                                16240 xxxxx
14120 SEE 14180                                          16241 x
14130 x                                                  16242 x
14140 3 SECTOR TYPES TESTED                              16243 x
14150 x                                                  16244 x
14160 x                                                  16250 xxxxx
14170 x                                                  16251 x
14180 4 TYPES SECTOR GATE RECESSES TESTED                16252 x
14200 xxxxx                                              16253 x
14210 xxxxx                                              16260 x
14211 F H Q O                                            16300 xxxxx
14212 C U O                                              16310 CANAL
14213 SLG                                                16320 VERY LONG
14214                                                    16330 798-MA-MA
14220 F S                                                16340 x
14230 BOTH SECTOR GATES                                  16350 x
14240 VARIABLE                                           16360 x
14250 7 TO 21                                            16400 xxxxx
14260 -0.5 TO -9.3                                       16410 x
14270 x 4.7 TO 13.5                                      16420 x
14280                                                    16430 x
14290                                                    16440 x
15000 xxxxx                                              16450 x
15100 xxxxx                                              16460 x
15110 SECTOR GATE                                        17000 END PROJ. DATA FILE NO. P80TN300
```

Table 3


```
00001 PROJECT DATA FILE NO PB19P068
00002 DATE 08/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: NEW CUMBERLAND
10120 DETAIL:
10130 REPORT: STP 56
10200 XXXXX
10210 OHIO RIVER
10220 54.4
10230 43924 906
10300 XXXXX
10310 20.5
10320 22.6
10330
10340 MAIN:1200, AUX:600
10350 A1110; A1110
10400 XXXXX
10410
10420
10430 SP/BLC
10440
10450 MG,MG/MG,MG
10460 80/80
10500 XXXXX
10510 NEW CUMBERLAND LOCKS
10520 PRESTON & HARTIGAN
10530 STP-SUI
10540 TC159 US NO. 56
10550 AUG 1952
10560
10570 1125
10580 SYSTEM
10590
10600 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1100-240-550/1100-240-550
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 A1:INSIDE GUARD, BOTH SIDES INT. WALL ;A1:INSIDE GUIDE WALL
11230
11240 XXXXX
11241 A18 EA WALL; A18
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 7.6
11262 10.5
11263 A1637 EA SIDE; A1637
11264 637/840.25
11870 XXXXX
11871 1.8 TO 4.8
11872 15.5
11873 A1338/840,334/840;A1338/840
11874
11875 A181.8/15.5, 80.1/15.5; A181.8/15.5
11300 XXXXX
11310 X
11330 RECT
11330 15.5 X 15.5
11340 15.5 X 15.5
11360 DOWN
11360 2 VERT
11370 INSIDE GATE PASSAGE
11400 XXXXX
11410 F,S
11420 FB
11430 S,1
11440 657 TO 708
11460 648 TO 678
11460
12000 XXXXX
12100 XXXXX
12110 RT
12118 15.5 X 15.5
12130 19.2
12140 637.25
12150
12160
12170
12200 XXXXX
12210 RECT
12220 15.5 X 15.5
12230 635.5
12240 620
12250 X
12260 X
12270 YES
12280 YES
12290 A1236; A1819 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S,2
12340 657 TO 708
12350 648 TO 678
12360
12370
12380
12390 XXXXX
13000 XXXXX
13100 XXXXX
13110 A1900; A1410
13120 RECT
13130 15.5 X 15.5
13140 240.25
13150 X
13160 X
13170
13300 XXXXX
13310 A1:BOTTOM; A1:BOT LAT
13320 XXXXX
13321 A14 TO 8 LAT:(1 SIDE ONLY)
13322 A1MID THIRD
13323 A1101
```

```
13024 A:37
13026 A:RECT
13028 A:8.3 X 6.8
13027
13028
13029 A:SINGLE WALL SYSTEM
13030 XXXXX
13031 X
13032 X
13033 X
13034 X
13035 X
13036 X
13240 XXXXX
13241 M:20 TO 30 EA SIDE; A:9 PR EA LAT
13242 SINGLE LINES
13243 RECT
13244 M:3 TYPES; A:2 TYPES
13250 XXXXX
13251 M:3.1; A:2
13252 M:3.1; A:2.3
13253
13254
13260 XXXXX
13261 M:4.7; A:2
13262 M:4.7; A:2.3
13263
13264
13265 M:19 TO 23; A:24
13300 XXXXX
13310 F,E,S
13320 FD,ED,F1,E1
13330 S, 0.5 TO 6
13340 667 TO 708
13350 642 TO 671
13360 642 TO 637
13370
14000 XXXXX
14100 XXXXX
14110 M:604; A:624.8
14120 M:X; A:LAT SYS RECESSED
14130 X
14140 MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F
14212 C
14213 9
14214 TOW IN LOWER APPROACH
14220 F,E
14230 FD,ED
14240 0.5 TO 6
14250 664
14260 642 TO 666
14270 642
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 15.5 X 15.5
15130 20
15140 637.85
15150
15160
15170
15200 XXXXX
15210 RECT
15220 15.5 X 15.5
15230 635.5
15240 620
15250 X
15260 X
15270 YES
15280 YES
15290 M:90; A:101 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320
15330 S,2
15340 648 TO 671
15350 637 TO 642
15360
16000 XXXXX
16100 XXXXX
16110 X
16120 X
16130 X
16140 X
16150 X
16160 X
16170 X
16200 XXXXX
16210 M:SIDEWALL; A:GATESILL
16220 M:IN-/OUTSIDE APP WALLS; A:APP CH.
16230 XXXXX
16231 M:12 TO 28 PER SIDE
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 M:3 TO 6; A:3 TO 6.2
16242 M:3 TO 15.5; A:11 TO 15.5
16243
16244
16250 XXXXX
16251 M:3 TO 10; A:4.5 TO 10.5
16252 M:3 TO 10.5; A:10.5 TO 13.5
16253 M:19 TO 5.5; A:17 TO 11.5
16260 MA:A:SEVERAL DESIGNS
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 1200-150-150/1200-600-150
16340 X
16350 X
16360
16400 XXXXX
16410 E,S
16420 ED
16430 S,1.5 TO 5
16440 663 TO 664
16450 642
16460
17000 END PROJ. DATA FILE NO. P818P068
```

Table 3

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```
0001 PROJECT DATA FILE NO PARTICES
0002 DATE 08/18/88
10000 XXXXXX
10100 XXXXX
10110 PROJECT: CHEATHAM
10120 DETAIL: EMERGENCY DAM
10130 REPORT: TM 2-358
10200 XXXXX
10210 CUMBERLAND RIVER
10220 148.7
10230 44148 796
10300 XXXXX
10310 25
10320
10330
10340 800
10350 110
10400 XXXXX
10410
10420 SP
10430
10440
10450 RG,RG
10460 P(UICKETS)
10500 XXXXX
10510 CHEATHAM EMERGENCY DAM
10520 MURPHY,ET AL
10530 WES
10540 TA7 U34 NO. 2-358
10550 APR 1963
10560 AUG 1968
10570 1112
10600 DETAIL
10650 XXXXX
11000 XXXXX
11100
11110
11120
11130 415-AA-863
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11261
11262
11263
11264
11280 XXXXX
11881
11882
11883
11884
```

```
11870 XXXXX
11871
11872
11873
11874
11875
11300
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300
12310
12320
12330
12340
12350
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13800 XXXXX
13810 XXXXX
13881
13882
13883
```

Table 3

22 2 of 2

```
13224
13225
13226
13227
13228
13229
13230
13231
13232
13233
13234
13235
13236 XXXXX
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXX
14100 XXXXX
14110 X
14120 X
14130 X
14140 X
14150 15 POIREE WICKETS
14160 X
14170 X
14180 EA WICKET 7.33 W X 22.6 H
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 S
14230 NO. 3 (MIDDLE)
14240 S
14250 385
14260 X
14270 373 TO 385
14280 0 TO 18
14290 'VALVE' - 'GATE'
15000 XXXXX
15100 XXXXX
15110
15120
15130
15140
15150
15160
15170
15200 XXXXX
15810
15820
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16842
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320
16330 203-HA-800
16340
16350
16360 XXXXX
16400
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P88TM358
```

```
00001 PROJECT DATA FILE NO P838P059
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS AUX LOCKS
10120 DETAIL:
10130 REPORT:  STP 59
10200
10210 MISSISSIPPI RIVER
10220
10230
10300 XXXXX
10310 6 TO 42
10320
10330
10340 360
10350 110
10400 XXXXX
10410
10420
10430
10440
10450
10460
10500 XXXXX
10510 MISS. R. AUX. LOCKS
10520
10530 STP-SUI
10540 TC159 U5 NO. 59
10550 JAN 1955
10560 FEB 1946
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170 SINGLE CULVERT SYSTEM
11200 XXXXX
11210 SIDEWALL
11220 INSIDE RT WALL
11230
11240 XXXXX
11241 6
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 6
11252 9
11253 324
11254 324/201.25
11260 XXXXX
11261 6
11262 8
11263 240
11264 240/201.25
11870 XXXXX
11871 6
11872 8
11873 240
11874 240/201.25
11875 30/14.5
11300 XXXXX
11310 106
11320 RECT
11330 18.5 X 14
11340 18.5 X 18.5
11350 DOWN
11360 2 VERT, 2 HORIZ
11370
11400 XXXXX
11410 F,E,S
11420 FB,EB
11430 9,1
11440 189.5
11450 114.5
11460
12000 XXXXX
12100 XXXXX
12110 CT
12120 12.5 X 12.5
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12.5 X 12.5
12230 111.5
12240 99
12250 X
12260 X
12270 YES
12280 YES
12290 34 FT BTWN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 204 TO 267
13120 CIRC, RECT
13130 14 D, 14.5 X 14.5
13140 164, 201.25
13150 18.5 X 18.5 TO 14 D TO 14.5 X 14.5
13160 X
13170 SINGLE & SEPARATE F/E CULV
13800 XXXXX
13810 SIDEPORT & BOT LAT
13880 XXXXX
13881 0 TO 7
13882 MID THIRD
13883 90,110
```

```
13224 18
13225 RECT
13226 5.5 X 6.8; 8X4
13227 VARIES
13228 VARIES
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 6 TO 18 PER LAT; 11 SIDE
13242 SINGLE LINES
13243 RECT
13244
13250 XXXXX
13251 1.2, 1.3
13252 2.9, 2.2
13253
13254
13260 XXXXX
13261 1.2, 1.3
13262 2.0,2.2
13263 X
13264 X
13265 9
13300 XXXXX
13310 F,E,B
13320 FB,EB
13330 S,0.5 TO 7
13340 115 TO 155
13350 111 TO 155
13360 111 TO 120
13370
14000 XXXXX
14100 XXXXX
14110 99.5
14120 BOT LAT SYS RECESSED
14130 DEFLECTORS, DIVIDERS
14140 MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220
14230 F,E
14240 FB,EB
14250 115 TO 155
14260 111 TO 155
14270 111 TO 120
14280
14290
15000 XXXXX
15100 XXXXX
15110 CT
15120 18.5 X 18.5
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 18.5 X 12.5
15230 111.5
15240 99
15250 X
15260 X
15270 YES
15280 YES
15290 34 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 50,75
16120 RECT
16130 12.5 X 12.5
16140 12.5 X 12.5
16150 HORIZ
16160 2 HORIZ
16170
16200 XXXXX
16210 SIDEWALL; 2 OR 4 BOT LATS
16220 IN-OR OUTSIDE WALL
16230 XXXXX
16231 SW:4,8; BL:11 EA OR 10 PER EA LAT
16232 SINGLE LINES(SIDE OR TOP OF LAT)
16233 RECT
16240 XXXXX
16241 SW:5,5.5; BL:1.5 TO 2.3
16242 SW:6,12.5; BL:3.6 TO 8
16243
16244
16250 XXXXX
16251 SW: 6,8; BL:1.5 TO 2.3
16252 SW:6.5,12.5; BL:3.6 TO 8
16253 10 TO 19
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330
16340
16350
16360
16400 XXXXX
16410 F,E,S
16420 FB,EB
16430 S,1
16440 109.6
16450 114.8 TO 143.8
16460 114.8 TO 188.8
17000 END PROJ. DATA FILE NO. P838P088
```

```
00001 PROJECT DATA FILE NO PB4BB6-1
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MCNARY
10120 DETAIL:
10130 REPORT:  BHL 26-1
10200 XXXXX
10210 COLUMBIA RIVER
10220 292
10230 92292 1
10300 XXXXX
10310 75
10320 92
10330
10340 675
10350 86
10400 XXXXX
10410
10420 RT
10430 BLC
10440
10450 MG, MG
10460 N
10500 XXXXX
10510 MCNARY DAM
10520 THEUS
10530 BONNEVILLE
10540
10550 MAY 1955
10560 APR 1950
10570 1:25; 1:20
10580 SYSTEM, DETAIL
10590 INCL TAINTER VALVE TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1400-NA-162
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD WALLS
11230
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 12.5
11252 15.75
11253 787.5
11254 787.5/132
11260 XXXXX
11261 11.5
11262 14.75
11263 678.5
11264 678.5/132
11270 XXXXX
11271 7.85 TO 3.75
11272 14.75
11273 312.11
11274 318.11/132
11275 81.18/11
11300 XXXXX
11310 93
11320 RECT
11330 15 X 14.75
11340 11 X 12
11350 DOWN
11360 2 VERT
11370 BTWN BLKHD & VALVE
11400 XXXXX
11410 F,S
11420 FB, FR
11430 S,2,4,7.5
11440 340 TO 333.5
11450 248 TO 311
11460
12000 XXXXX
12100 XXXXX
12110 CT,RT,INVT
12120 11X12; 11.5 X 11.5
12130 17
12140 241.75 & VARIED
12150
12160
12170 SHAPE OF VALVE
12200 XXXXX
12210 RECT
12220 11X12; 11.5 X 11.5
12230 240; 233
12240 228; 221.5
12250 X
12260 X
12270 CLOSED ABOVE VALVE
12280 OPEN & FILLED
12290 WATER VENT
12300 XXXXX
12310 F,S
12320 FB, FR
12330 S, 7.5, 4, 2.2, 2, 1.1
12340 340 TO 333.5
12350 248 TO 311
12360 NONE OR SINGLE
12370 OPEN & FILLED
12380
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 11 X 12
13140 132
13150 X
13160 X; 4 HORIZ EA SIDE
13170 AIR VENTS ALONG ROOF
13800 XXXXX
13810 BOT LAT-INTERLACED; BOT LONG
13820 XXXXX
13821 7 EA SIDE; 2
13822 MID-THIRD; MID-HALF
13823 86; 800
```

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13824 14.5; QTR & THD PTS
13825 RECT; RECT
13826 SX5; 11.5 X 11.5
13827 25; 132.25
13828 175/132; 138.25/132
13829
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836 X
13840 XXXXX
13841 8 PR PER LAT; 106 TO 90 PER LONG
13842 SINGLE LINE
13843 RECT
13844
13850 XXXXX
13851 1.16; VARIED
13852 2.16; VARIED
13853 40.09; VARIED
13854 40.09/25; VARIED
13860 XXXXX
13861 2.16; VARIED
13862 2.56; VARIED
13863 X
13864 X
13865 18
13900 XXXXX
13910 F,E,S
13920 FB,FR,EB,ER
13930 S, 7.5, 4, 2.2, 2, 1.1
13940 340 TO 333.5
13950 248 TO 340
13960 248 TO 277
13970 AIR VENTS ALONG ROOF
14000 XXXXX
14100 XXXXX
14110 235
14120 X
14130 X
14140 MG
14150
14160 X
14170 X
14180 MITER GATE SILL
14200 XXXXX
14210 XXXXX
14211 VARIED
14212 VARIED
14213 9
14214
14220 F,E
14230 FB,FR,EB,ER
14240 S, 7.5, 4, 2.2, 2, 1.1
14250 340
14260 340 TO 248
14270 248 TO 277
14280
14290
15000 XXXXX
15100 XXXXX
15110 CT,RT,INUT
15180 11 x 12; 11.5 x 11.5
15130 17
15140 VARIED
15150
15160
15170
15200 XXXXX
15210 RECT
15220 11 x 12; 11.5 x 11.5
15230 246.5; 233
15240 234.5; 221.5
15250
15260
15270 CLOSED ABOVE VALVE
15280 OPEN & FILLED
15290
15300 XXXXX
15310 E,S
15320 EB,ER
15330 S,3,2.2, 1.1,4
15340 340 TO 318
15350 248 TO 277
15360 AIR VENTS
16000 XXXXX
16100 XXXXX
16110 55
16120 RECT
16130 11 x 12
16140 11 x 12
16150 HORIZ
16160
16170
16200 XXXXX
16210 SIDEWALL; 8 OR 6 BOT LAT
16220 INSIDE APPROACH WALLS
16230 XXXXX
16231 6 EA SIDE; 8 PR PER LAT
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 6.5 ; VARIED
16242 6.75; VARIED
16243 263.25; VARIED
16244 263.25/132
16250 XXXXX
16251 6.5; VARIED
16252 6.75; VARIED
16253
16260 OUTLET EDGES ROUNDED 3 IN R
16300 XXXXX
16310 RIVER/POOL
16320 VERY LONG
16330 500-NA-1200
16340 X
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB,ER
16430 S,3,2.2,1.1,4
16440 340 TO 318
16450 248 TO 277
16460 TOW IN CHANNEL
17000 END PROJ. DATA FILE NO. P84886-1
```

```
00001 PROJECT DATA FILE NO PDSMP146
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: McNARY
10120 DETAIL:  PROTOTYPE
10130 REPORT:  MP 2-146
10200 XXXXX
10210 COLUMBIA RIVER
10220
10230
10300 XXXXX
10310 92
10320
10330
10340
10350
10400 XXXXX
10410
10420
10430 BLC-I
10440
10450
10460
10500 XXXXX
10510 McNARY DAM LOCK
10520 COX
10530 WES
10540 TA7 W34m NO. 2-146
10550 NOV 1956
10560 OCT 1955
10570 1:1
10580 SYSTEM
10590 SEE WES TR 2-552
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310 108
11320 RECT
11330 15 X 12
11340 11 X 12
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RTD
12120 11 X 12
12130
12140
12150 HYDRAULIC
12160 6 12-IN DIAM
12170
12200 XXXXX
12210 RECT
12220 11 X 12
12230 240
12240 228
12250 X
12260 X
12270 YES
12280 YES
12290 116 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 7.5 TO 10.6
12340 340
12350 262 TO 274
12360 CLOSED, 1 OR 6 OPEN
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 350
13120 RECT
13130 11 X 12
13140
13150 X
13160 X
13170
13800 XXXXX
13810 BOTTOM LATERAL (INTERLACED)
13880 XXXXX
13881 7 EA SIDE
13882 MID THIRD
13883
```

Table 3

```
13284 30 FT EA SIDE
13285
13286
13287
13288
13289
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243 RECT
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 F
13320 FB
13330 7.5
13340 340
13350 252
13360
13370
14000 XXXXX
14100 XXXXX
14110 235
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220 F,E
14230 FB,EB
14240
14250 340
14260 252 TO 274
14270 268
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTD
```

```
15180 11 X 18
15130
15140
15150 HYDRAULIC
15160 6 18-IN DIAM
15170
15800 XXXXX
15810
15820 11 X 18
15830 240
15840 228
15250 X
15260 X
15270 YES
15280 YES
16200 123 FT BTUN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 7.5, 1.8
15340 340
15350 252
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210 BOTTOM LATERAL (3 EA SIDE)
16220 APPROACH CHANNEL
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410 E
16420 EB
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. PBSWP146
```

Table 3


```
00001 PROJECT DATA FILE NO PRSP588
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: NEW CUMBERLAND
10120 DETAIL: SUPPLEMENT
10130 REPORT: STP 565
10200 XXXXX
10210 OHIO RIVER
10220 54.4
10230 43924 906
10300 XXXXX
10310 20.7
10338
10339
10340 1200
10350 110
10400 XXXXX
10410
10420
10430
10440
10450 MG,MG
10460
10500 XXXXX
10510 NEW CUMBERLAND MAIN LOCK
10520 JOHNSON
10530 STP-SAF
10540 TC159 US NO. 56-S
10550 MAR 1957
10560 MAR 1956
10570 1:33.33(US 1:25)
10580 DETAIL
10590 USED ROBINSON BAY MODEL
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210 SINGLE PORT EA SIDE
11220 UPSTR END OF WALLS
11230
11240 XXXXX
11241 1 EA SIDE
11242 FACING UPSTR
11243 RECT
11244 ORIFICE CONSTRICTION
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11870 XXXXX
11871 10.08
11872 18
11873
11874
11875
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370 XXXXX
11410
11420
11430
11440
11450
11460
11468 XXXXX
12000 XXXXX
12100 XXXXX
12110 RT
12120 16.47 X 19.26 (US 15.5 X 15.5)
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220 16.47 X 19.26(US 15.5 X 15.5)
12230
12240 619.5
12250
12260
12270
12280 SEALED
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130 20.56 X 22 (US 16.5 X 16.5)
13140
13150
13160
13170
13300 XXXXX
13310 XXXXX
13381
13382
13383
```

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13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241 19 (VS 24)
13242 SINGLE LINE
13243 RECT
13244 (1948 MODEL)
13250 XXXXX
13251 4.26(VS 3.08)
13252 5.52(VS 3.08)
13253 446.8(VS 227.7)
13254 0.99(VS 0.95)
13260 XXXXX
13261 4.91(VS 4.67)
13262 5.52(VS 4.67)
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 604
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 2 TO 10 BARGES
14212 U,C,D
14213 9
14214
14220 F,E
14230 FB,EB,FR,ER
14240 F:3.26; E:8.58
14250 604.5
14260 641.9 & 604.5
14270 641.9
14280
14290 E:2-SPEED SCHED.
15000 XXXXX
15100 XXXXX
15110 RT
```

```
15120 16.47 X 19.26(VS 15.5 X 15.5)
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 16.47 X 19.26(VS 15.5 X 15.5)
15230
15240 619.5
15250
15260
15270 YES
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210 SINGLE PORT EA SIDE
16220 DNSTR FROM VALVES
16230 XXXXX
16231 1 EA SIDE
16232 FACING DN STR
16233 RECT
16240 XXXXX
16241 11.66
16242 14.66
16243
16244
16250 XXXXX
16251
16252
16253
16260 ORIFICE CONSTRICTION
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P0S8P006
```

```
00001 PROJECT DATA FILE NO PETTR497
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: CALUMET
10120 DETAIL:
10130 REPORT:  TR 2-497
10200 XXXXX
10210 CALUMET RIVER
10220 326.6
10230 77643  005
10300 XXXXX
10310 4.5
10320 9
10330 -9
10340 1000
10350
10400 XXXXX
10410 APPROACH CHANNEL
10420
10430 LCSG
10440 APPROACH CHANNEL
10450 SG,SG
10460
10500 XXXXX
10510 CALUMET RIVER LOCK
10520 ABLES
10530 WES
10540
10550 APR 1959
10560 DEC 1956
10570 1:20
10580 SYSTEM, DETAIL
10590
11000 XXXXX
11100 XXXXX
11110 RIVER
11120 LONG
11130 N-NA-1050
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 SINGLE PORT
11220 SIDE WALL
11230 NOT CONSIDERED
11240
11241 1 EA SIDE
11242 X
11243 CIRC, RECT
11244
11250 XXXXX
11251 8 FT DIAM; 10
11252 10
11253 50.24; 100
11254
11260 XXXXX
11261 8 FT DIAM; 10
11262 10
11263 50.24; 100
11264
11270 XXXXX
11271 8 FT DIAM; 10
11272 10
11273 50.4; 100
11274 1.0
11275
11300 XXXXX
11310 85
11320 CIRC, RECT
11330 8 FT DIAM; 10X10
11340 8 FT DIAM; 10X10
11350 HORIZ
11360 HORIZ/VERT; 90 DEG
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460
12000 XXXXX
12100 XXXXX
12110 SECTOR GATE
12120 110 X 22
12130 61
12140 (2.25 FT FROM WALL)
12150
12160 X
12170 LOOP CULVERTS HAVE VERTICAL LIFT GATES
12200 XXXXX
12210 RECT
12220 VARIABLE
12230 X
12240 -17
12250 SECTOR GATE FACE
12260 ABRUPT
12270
12280 YES; ALSO IN LOOP CULVERTS
12290 LOOP CULVERTS AROUND SECTOR GATE
12300 XXXXX
12310 F, S
12320 BOTH GATES, BOTH CULVERTS
12330 VARIABLE
12340 +5 TO -3
12350 +2 TO -4
12360 X
12370 X
12380 "VALVES" INCLUDES "GATES"
13000 XXXXX
13100 XXXXX
13110 SEE 11310
13120
13130 8 FT DIAM; 10X10
13140 50.24; 100
13150
13160 HORIZ/VERT; 90 DEG
13170
13200 XXXXX
13210 XXXXX
13220 XXXXXX
13281 X
13288 X
13283 X
```

```
13824 X
13825 X
13826 X
13827 X
13828 X
13829 X
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836
13240 XXXXX
13241 1 EA SIDE
13242 RECESS OR LOCK WALL
13243 CIRC, RECT
13244
13250 XXXXX
13251 X
13252 X
13253 X
13254
13260 XXXXX
13261 8FT DIAM; 10
13262 10
13263 X
13264 X
13265 NOT CONSIDERED
13300 XXXXX
13310 F, S
13320 BOTH
13330 VARIABLE
13340 +5 TO -3
13350 +2 TO -4
13360 MA
13370
14000 XXXXXX
14100 XXXXX
14110 -18.5
14120 SECTOR GATE RECESSES
14130 X
14140 SECTOR
14150
14160 X
14170 X
14180
14200 XXXXX
14210
14211 F, M, O
14212 U,C,D
14213 1.6; 5; 9
14214
14220 F,S,E
14230 BOTH GATES; BOTH CULVERTS
14240 VARIABLE
14250 +5 TO -3
14260 +2 TO -4
14270 +4 TO -4
14280 NOT CONSIDERED
14290 'VALVES' INCLUDES 'GATES'
15000 XXXXX
15100 XXXXX
15110 SECTOR GATE
15120 110 X 82
15130 61
15140 (2.85 FT FROM WALL)
15150
15160 X
15170 NO LOOP CULVERTS
15200 XXXXX
15210 RECT
15220 VARIABLE
15230 X
15240 -17
15250 SECTOR GATE FACE
15260 ABRUPT
15270 X
15280 YES
15290
15300 XXXXXX
15310 E & REVERSE FILL
15320 BOTH GATES
15330 VARIABLE
15340 +5 TO -5
15350 +4 TO -4
15360 'VALVES' + 'GATES'
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200
16210
16220
16230
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250
16251
16252
16253
16260
16300 XXXXX
16310 RIVER
16320 LONG
16330 M-MA-1050
16340
16350
16360
16400
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. PETTR487
```

Table 3

```
00001 PROJECT DATA FILE NO PBSTR000
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: PORT ALLEN
10120 DETAIL:
10130 REPORT:  TR 2-500
10200 XXXXX
10210 GULF INTRACOASTAL WATERWAY
10220 64.7 (39)
10230 20006 702
10300 XXXXX
10310 50
10320
10330
10340 1198 (1200)
10350 84
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG, MG
10460 BU
10500 XXXXX
10510 PORT ALLEN NAVIGATION LOCK
10520 ABLES
10530 WES
10540
10550 MAY 1959
10560 APR 1957
10570 1:25
10580 SYSTEM, DETAIL
10590
11000 XXXXX
11100 XXXXX
11110 CANAL
11120
11130 940.3-NA-NA
11140 X
11150 SUBMERGENCE
11160 BAR SCREEN
11170
11200 XXXXX
11210 XXXXX
11220 INSIDE APPROACH WALLS
11230 VARIES
11240
11241 6 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 11
11252 13.5
11253 891
11254 891/196
11260 XXXXX
11261 8
11262 18
11263 576
11264 576/196
11270 XXXXX
11271 4.5 TO 8.75; 5.67 TO 8.33
11278 18
11273 835.8; 849.18
11274 835.8/196; 849.18/196
11275 18.66/14; 20.76/14
11300 XXXXX
11310 20.75
11320 RECT
11330 15.8 X 18
11340 14 X 14
11350 HORIZ
11360 X
11370
11400 XXXXX
11410 S
11420 B
11430 FULL OPEN
11440 5 TO 48
11450 4 TO 37.2
11460
12000 XXXXX
12100 XXXXX
12110 RTS
12120 14 X 14
12130
12140
12150
12160 X
12170
12200 XXXXX
12210 RECT
12220 14 X 14
12230 -2
12240 -16
12250 X
12260 X
12270 YES
12280 YES
12290
12300 XXXXX
12310 F, S
12320 B, L
12330 1-& 2-SPEED (4)
12340 30 TO 50
12350 S
12360 X
12370 OPEN
12380
13000 XXXXX
13100 XXXXX
13110 1110
13120 RECT
13130 14 X 14
13140 196
13150 X
13160 3 HORIZ
13170
13200 XXXXX
13210 SIDE PORT
13220 XXXXX
13221 X
13222 X
13223 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240
13241 19 TO 23 EA SIDE
13242 SINGLE LINE EA SIDE
13243 RECT
13244 2-FT-RAD INLETS; 1-FT-RAD OUTLETS; 7&10 FT LONG
13250 XXXXX
13251 3 & 2.5
13252 3.33
13253 459.54 FINAL
13254 1.17 FINAL
13260 XXXXX
13261 3.16 TO 4.16
13262 3.33 TO 3.66
13263 0.66:4 & 1.16:7
13264 0.33:4 & 0.58:7
13265 14.7 TO 14.1
13300 XXXXX
13310
13320 B,L
13330 1- & 2-SPEED (10)
13340 15 TO 50
13350 15 TO 50
13360 3 TO 6.5
13370
14000 XXXXX
14100 XXXXX
14110 -14
14120 10 TYPES
14130 X
14140 MG,MG
14150 BU
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F H Q O
14212 V C D
14213 9
14214
14220 F,E
14230 FB, FL, EB
14240 1- & 2-SPEED
14250 15 TO 50
14260 15 TO 50
14270 3 & 5
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTS
15120 14 X 14
15130
15140
15150
15160 X
15170
15200 XXXXX
15210 RECT
15220 14 X 14
15230 -2
15240 -16
15250 X
15260 X
15270 YES
15280 YES
15290
15300 XXXXX
15310 S,E
15320 B
15330 1-SPEED (3)
15340 30 TO 50
15350 5
15360
16000 XXXXX
16100 XXXXX
16110 50
16120 RECT
16130 14 X 14
16140 14X14; 19X14
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 COMPOUND
16220 INSIDE & END OF EA WALL
16230 XXXXX
16231 2 LG & 3 TO 13 SM EA SIDE
16232 LG AT END; SMALL IN LINE
16233 RECT
16240 XXXXX
16241 LG 2.9 TO 10; SM 2.25 TO 8
16242 LG 12; SM 3.33 TO 12
16243
16244
16250 XXXXX
16251 LG 12.5; SM 2.25 TO 8
16252 LG 12; SM 3.33 TO 12
16253
16800 10 DESIGNS TESTED
16300 XXXXX
16310 CANAL
16320 VERY LONG
16330 1049.7-NA-NA
16340 BASINS& BAFFLES & RECESSES
16350 SMALL OUTLETS
16360
16400 XXXXX
16410 S,E
16420 EB
16430 1-SPEED
16440 15 TO 50
16450 5 & 3
16460
17000 END PROJ. DATA FILE NO. PBSTR000
```

Table 3


```
00001 PROJECT DATA FILE NO PBDTR819
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: W F GEORGE
10120 DETAIL:  OUTLET
10130 REPORT:  TR 2-519
10200 XXXXX
10210 CHATTAHOOCHEE RIVER
10220 75
10230 15894 416
10300 XXXXX
10310 88
10320
10330
10340 505
10350 82
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 WALTER F. GEORGE LOCK
10520 MELSHEIMER
10530 WES
10540
10550 AUG 1959
10560 JAN 1957
10570 1180
10580 DETAIL
10590 OUTLET ENERGY DISSIPATOR TESTS
11000 XXXXX
11100 XXXXX
11110
11120
11130 590-MA-286
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264

11870 XXXXX
11871
11872
11873
11874
11875 XXXXX
11300
11310
11320
11330
11340
11350
11370 XXXXX
11400
11410
11420
11430
11440
11450
11460 XXXXX
12000 XXXXX
12100
12110
12120
12130
12140
12150
12160
12170
12200
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300
12310
12320
12330
12340
12350
12360
12370
12380 XXXXX
13000 XXXXX
13100
13110
13120
13130
13140
13150
13160
13170 XXXXX
13800 XXXXX
13810 XXXXX
13820
13821
13883
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13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15:10
```

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16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
15220
16230
16240
15250
15260
15270
16280
15290
15300
15310
16320
15330
15340
16350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330 307-NA-554
16340 STILLING BASIN
16350
16360 DIVIDER WALL IN BASIN
16400 XXXXX
16410 E
16420 BE
16430 S
16440
16450 102
16460
17000 END PROJ. DATA FILE NO. P29TR519
```

```
00001 PROJECT DATA FILE NO P30TR587
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: GREENUP
10120 DETAIL:  EMERGENCY GATE
10130 REPORT:  TR 2-587
10200 XXXXX
10210 OHIO RIVER
10220 341
10230 41640 006
10300 XXXXX
10310 30
10320
10330
10340 1200,600
10350 110,110
10400 XXXXX
10410
10420
10430 BLC
10440
10450 MG,MG
10460 VL
10500 XXXXX
10510 GREENUP LOCKS AND DAM
10520 MELSHEIMER
10530
10540
10550 OCT 1959
10560 JUL 1956
10570 1:25
10580 DETAIL
10590 EMERGENCY GATE TESTS
11000 XXXXX
11100 XXXXX
11110
11120
11130 82/340-148-NA/81/NA-298-680
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11200 XXXXX
11261
11262
11263
11264
11870 XXXXX
11871
11872
11873
11874
11875
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300
12310
12320
12330
12340
12350
12360
12370
12300
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13190
13170
13800 XXXXX
13810
13820 XXXXX
13881
13888
13883
```

Table 3

Table 3


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13824
13825
13826
13827
13828
13829
13830
13831
13832
13833
13834
13835
13836 XXXXX
13840 XXXXX
13841
13842
13843
13844
13850 XXXXX
13851
13852
13853
13854
13860 XXXXX
13861
13862
13863
13864
13865
13900 XXXXX
13910
13920
13930
13940
13950
13960
13970
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140 MG,MG
14150 VERTICAL LIFT (2-LEAF)
14160 X
14170 X
14180 VENTS
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 RAISE
14230 BOTH LEAFS
14240 GATE POSITION
14250 515.535
14260 484 TO 534.4
14870 484
14880 X
14890 VENTS; 'VALVE' - 'GATE'
15000 XXXXX
15100 XXXXX
15110
15120
15130
15140
15150
15160
15170
15800 XXXXX
15810
15820
15830
15840
15850
15860
15270
15280
15290
15300
15310
15320
15330
15340
15350
15360 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230
16231
16232
16233 XXXXX
16240
16241
16242
16243
16244 XXXXX
16250
16251
16252
16253
16254 XXXXX
16300
16310
16320
16330 88/1170-120-NA/01/NA-570-100
16340
16350
16360 XXXXX
16400
16410
16420
16430
16440
16450
17000 END PROJ. DATA FILE NO. P307REF7
```

```
00001 PROJECT DATA FILE NO P31SP084
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CHAIN OF ROCKS
10120 DETAIL:
10130 REPORT:  STP 64
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 185.1
10230 30179 386
10300 XXXXX
10310 13
10320 21.2
10330
10340 MAIN:1200; AUX:360
10350 M:110; A:110
10400 XXXXX
10410
10420
10430 M:SP; A:BLC-1
10440
10450 US,MG
10460 BU,BF
10500 XXXXX
10510 CHAIN OF ROCKS LOCKS
10520 WARNER, RYDER
10530 STP-SUI
10540 TC159 U5 NO. 64
10550 OCT 1959
10560 FEB 1964
10570 1:25
10580 SYSTEM
10590 (600 FT MAIN LOCK ALSO TESTED)
11000 XXXXX
11100 XXXXX
11110 CANAL
11120 6.5 MI
11130 M:NA-647-241; A:148-735-NA
11140
11150 SUBMERGENCE
11160
11170 M:FLOOR ELEV
11200 XXXXX
11210 BOTTOM LATERAL
11220 UPSTR GATE SILLS
11230 15
11240 XXXXX
11241 M:8,4; A:4 PER LAT
11242 SINGLE LINES
11243 RECT
11244 M:1, 2 LATS; A:1 LAT
11250 XXXXX
11251 12
11252 16.5
11253
11254
11260 XXXXX
11261 8
11262 12.5
11263 M:400 E SIDE; A:400
11264
11270 XXXXX
11271 3.5 TO 6
11272 12.5
11273 M:825 EA SIDE; A:885
11274
11275
11300 XXXXX
11310 M:85 TO 115; A:80 TO 95
11320 RECT
11330 12.5 X 15
11340 12.5 X 12.5
11350 HORIZ
11360 1 90-DEG HORIZ
11370
11400 XXXXX
11410 F,S
11420 FB,FR
11430 S, 0.2 TO 0.5
11440 388 TO 402
11450 373 TO 380
11460 M:UPSTR LOCK GATE LOWERED
12000 XXXXX
12100 XXXXX
12110 CT
12120 12.5 X 12.5
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12.5 X 12.5
12230 360.5
12240 348
12250 X
12260 X
12270 YES
12280 YES
12290 43 FT BTWN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 M:385 TO 565; A:825 TO 845
13120 RECT
13130 12.5X10, 12.5X12.5, 12.5X15.5
13140 125,150,85,193.75 EA SIDE
13150 EXPANSIONS, CONTRACTIONS
13160 2 HORIZ
13170
13200 XXXXX
13210 SIDE PORT & BOT LAT
13220 XXXXX
13221 9 TO 18
13222 MID THIRD
13223 110
```

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13824 10
13825 RECT
13826 6.5 X 12.5
13827
13828
13829 M:2ND CULV R WALL
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836
13840 XXXXX
13841 SP:18 TO 22 PER SIDE; BL:9 PR PER LAT
13842 SINGLE LINES
13843 RECT
13844
13850 XXXXX
13851 SP:2.5; BL:1.2
13852 SP:2.5; BL:2.7
13853
13854
13860 XXXXX
13861 SP:5 TO 5.6; BL:1.2
13862 SP:3.2 TO 3.8; BL:2.7
13863
13864
13865
13900 XXXXX
13910 F,E,S
13920 FB,EB,FR,ER
13930 S, 0.2 TO 8.5
13940 388 TO 402
13950 373 TO 402
13960 373 TO 388
13970
14000 XXXXX
14100 XXXXX
14110 345
14120 X
14130 X
14140 UPSTR VERT LIFT
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 27,500 TONS
14212 C
14213
14214
14220 F,E
14230 FB,EB,FR,ER
14240 0.2 TO 8.5
14250 388 TO 402
14260 373 TO 402
14270 373 TO 388
14280
14290 UPSTR LOCK GATE LOWERED
15000 XXXXX
15100 XXXXX
15110 CT
15120 12.5 X 12.5
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12.5 X 12.5
15230 360.5
15240 348
15250
15260
15270
15280
15290 43 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 M:40 TO 55; A:48 TO 58
16120 RECT
16130 12.5 X 12.5
16140 VARIES
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 BOTTOM LATERAL
16220 APPROACH FLOOR
16230 XXXXX
16231 VARIED PORTS IN, 2 TO 9 LATS PER SIDE
16232 SINGLE LINES, TOP SIDES
16233 RECT
16240 XXXXX
16241 1.5 TO 2.0
16242 2.5 TO 6.5
16243
16244
16250 XXXXX
16251 1.5 TO 2.0
16252 2.5 TO 6.5
16253
16260
16300 XXXXX
16310 CANAL
16320 1.4 MI
16330 M:MA-84-691; A:83-597-MA
16340
16350
16360
16400 XXXXX
16410 E,S
16420 EB,ER
16430 S
16440 373 TO 402
16450 373 TO 388
16460
17000 END PROJ. DATA FILE NO. P318P004
```

Table 3


```
00001 PROJECT DATA FILE NO P38SP088
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: JACKSON
10120 DETAIL:
10130 REPORT: STP 68
10200 XXXXX
10210 TOMBIGBEE RIVER
10220 116.6
10230 15504 885
10300 XXXXX
10310 34
10320
10330
10340 670
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 JACKSON LOCK
10520
10530 STP-SAF
10540 TC159 US NO.68
10550 MARCH 1960
10560 JULY 1957
10570 1:33.33
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 770-NA-170
11140
11150 SUBMERGENCE
11160 BAR SCREEN
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALLS
11230 21.5
11240 XXXXX
11241 6 EA SIDE
11242 SINGLE LIME
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 7
11262 12.5
11263 325 PER SIDE
11264 325/150.25
11870 XXXXX
11871 1.9 TO 4.5(6-15.75)
11872 12.5
11873 180 PER SIDE
11274 180/156.26
11275 15.75/12.5
11300 XXXXX
11310 105
11320 RECT
11330 12.5X12.5
11340 12.5X12.5
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F S
11420 FB
11430 S,1.5 TO 6.5
11440 34
11450 -1
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 12.5X12.5
12130
12140
12150
12160 X
12170
12200 XXXXX
12210 RECT
12220 12.5X12.5
12230 -5
12240 -17.5
12250 X
12260 X
12270 YES
12280 YES
12290 50 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 6.5
12340 34
12350 -1
12360 X
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 500
13120 RECT
13130 12.5X12.5
13140 156.25
13150 X
13160 X
13170
13200 XXXXX
13210 SIDEPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

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13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 14 TO 17 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 VARIED ROUNDING OF OUTLET
13250 XXXXX
13251 4,3.3
13252 3.3
13253
13254
13260 XXXXX
13261 4
13262 3.3
13263 SLIGHT(0.3:10)
13264 X
13265 13
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1.5 TO 8.5
13340 34
13350 -1 TO 34
13360 -1
13370
14000 XXXXX
14100 XXXXX
14110 -14 TO -6.6
14120 X
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D
14213 9
14214
14220 F,E
14230 FB,EB
14240 1.5 TO 8.5
14250 34
14260 -1 TO 34
14270 -1
14280 18 TO 1.5
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 12.5X12.5
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12.5X12.5
15230 -5
15240 -17.5
15250 X
15260 X
15270 YES
15280 YES
15290 50 FT BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 1.5
15340 34
15350 -1
15360 BULKHEAD SLOTS OPEN/CLOSED
16000 XXXXX
16100 XXXXX
16110 180 & 290
16120 RECT
16130 12.5X12.5
16140 12.5X12.5
16150 DOWN
16160 2 HORIZ,2 VERT
16170
16200 XXXXX
16210 SINGLE OUTLET
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12.5
16242 12.5
16243 156.25
16244 156.25/156.25
16250 XXXXX
16251 15.8
16252 12.5
16253 15
16260
16300 XXXXX
16310
16320
16330 642-MA-115
16340 BASIN
16350 IN BASIN
16360
16400 XXXXX
16410 E,S
16420 EB
16430 S,1.5 TO 8.5
16440 34
16450 -1
16460
17000 END PROJ. DATA FILE NO. P3S8P06B
```

```
00001 PROJECT DATA FILE NO P338P069
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: ST ANTHONY FALLS
10120 DETAIL:  INTR GATE (UPPR)
10130 REPORT:  STP 69
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 853.4
10230 32853 708
10300 XXXXX
10310 25
10320
10330
10340 400
10350 56
10400 XXXXX
10410
10420
10430 BLC
10440
10450 TG,MG
10460 BO
10500 XXXXX
10510 SAF LOWER L&D
10520
10530 STP-SAF
10540 TC159 US NO.69
10550 MAY 1960
10560 NOVEMBER 1947
10570 1:22.4
10580 DETAIL
10590 UPSTR GATE;CC STP-51
11000 XXXXX
11100 XXXXX
11110 POOL
11120 0.4 MILE
11130 MA-MA-476
11140
11150
11160
11170
11200 XXXXX
11210
11220 TOP OF SILL
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 SUB T.GATE & RT
12120 56X15;12X10
12130 28
12140 734.8
12150
12160
12170 'VALUE'='GATE'
12200 XXXXX
12210 RECT
12220 56X18.5;12.5X10
12230 X      ;716.8
12240 736.3  ;706.8
12250 X
12260 X
12270 X
12280
12290
12300 XXXXX
12310 F
12320 TG
12330 VARIED TG POSITIONS
12340 754.8 TO 748.5
12350 725
12360
12370
12380 'VALUE'='GATE'
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13800 XXXXX
13810
13820 XXXXX
13881
13882
13883
```

Table 3


```
13824
13826
13827
13828
13829 XXXXX
13830
13831
13832
13833
13834
13835
13836
13839 XXXXX
13840
13841
13842
13843
13844
13849 XXXXX
13850
13851
13852
13853
13854
13859 XXXXX
13860
13861
13862
13863
13864
13865
13869 XXXXX
13870
13871
13872
13873
13874
13875
13876
14000 XXXXX
14100 XXXXX
14110 711.8
14120
14130 UPSTR TAINTER GATE
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230 VARIED TO POSITIONS
14250 748.5 TO 754.8
14300 785
14470
14480
14500
15000 XXXXX
15100 XXXXX
15110
16130
16140
16150
16160
16170
16200 XXXXX
16211
16220
16230
16240
16250
16260
16270
16280
16290
16300 XXXXX
16310
16320
16330
16340
16350
16360
16500 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 97.0-NA-408
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P3389000
```

```
00001 PROJECT DATA FILE NO P34TR649
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: OLD RIVER
10120 DETAIL:
10130 REPORT:  TR 2-649
10200 XXXXX
10210 OLD RIVER
10220 61
10230 20799 1
10300 XXXXX
10310 5 TO 10
10320 32
10330 4
10340 1200
10350 75
10400 XXXXX
10410
10420 RT
10430 SP
10440
10450 MG,MG
10460 BW
10500 XXXXX
10510 OLD RIVER LOCK
10520 ABLES; BROWN
10530 UES
10540
10550 JUN 1960
10560 OCT 1958
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 CANAL TO RIVER
11120 3000
11130 616.8-MA-MA
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 TWO SIDEWALL
11220 1 INSIDE EA APPROACH WALL
11230
11240 XXXXX
11241 6
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 11
11252 13
11253 858
11254 858/182.85
11260 XXXXX
11261 8
11262 11.5
11263 562
11264 562/182.85
11870 XXXXX
11871 6.75 TO 2.85
11872 11.5
11873 236.67
11874 236.67/182.85
11875 20.58/13.5
11300 XXXXX
11310 105
11320 RECT
11330 13.5 X 13.5
11340 13.5 X 13.5
11350 HORIZ
11360 1 HORIZ
11370
11400 XXXXX
11410 S
11420 FB,EB
11430 S
11440 9 TO 37
11450 6 TO 22
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 13.5 X 13.5
12130
12140
12150 HYDRAULIC
12160 X
12170
12200 XXXXX
12210 RECT
12220 13.5 X 13.5
12230 0.5
12240 -13
12250 X
12260 X
12270 YES
12280 YES
12290 HORIZ BEND; LENGTH 65 BTWN BLKHDS
12300 XXXXX
12310 S
12320 FB
12330 S
12340 12 TO 34
12350 2
12360 X
12370 OPEN, SEALED
12380
13000 XXXXX
13100 XXXXX
13110 1036
13120 RECT
13130 13.5 X 13.5
13140 182.25
13150 X
13160 X
13170 CORNER FILLETS
13800 XXXXX
13810 SIDE PORT
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXXX
13231 X
13232 X
13233 X
13234 X
13236 X
13236 X
13240 XXXXX
13241 18 TO 23 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 15 DESIGNS TESTED
13250 XXXXX
13251 3
13252 3.33
13253
13254
13260 XXXXX
13261 4.17 PLUS 2 FT FLARE
13262 3.33
13263 1.17:10
13264 X
13265
13300 XXXXX
13310 F,E,S
13320 FB,FL,EB,EL
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 -11
14120 RECT & TRAIN
14130 X
14140 MG,MG
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U C D
14213 9.5, 2.5
14214
14220 F E S
14230 FB,FL,EB,EL
14240 2 TO 10.5
14250 9 TO 48
14260 2 TO 40
14270 2 TO 85
14280
14290
15000 XXXXX
15100 XXXXX
15110 TR
```

```
16180 13.5 X 13.5
16130
16140
16150 HYDRAULIC
16160 X
16170
16800 XXXXX
16810
16820 13.5 X 13.5
16830 0.5
16840 -13
16850 X
16860 X
16870 YES
16880 YES, LENGTH 60 BTWN BLKHDS
16890
15300 XXXXX
15310 S,E
15320 EB,EL
15330 9;2 TO 4
15340 6 TO 42
15350 2 TO 25
15360
16000 XXXXX
16100 XXXXX
16110 107
16120 RECT
16130 13.5 X 13.5
16140 22 X 10.5
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 4 BOTTOM LATERALS
16220 APPROACH CHANNEL
16230 XXXXX
16231 18 EA LATERAL
16232 LINE ON EA SIDE OF LATERAL
16233 RECT
16240 XXXXX
16241 1.5
16242 6.5
16243
16244
16250 XXXXX
16251 1.5
16252 6.5
16253 18.5
16260
16300 XXXXX
16310 CANAL TO RIVER
16320 7600 FT
16330 FLOATING
16340 X
16350 X
16360
16400 XXXXX
16410 S
16420 FB,EB
16430 9; 8 TO 4
16440 6 TO 40
16450 2 TO 85
16460
17000 END PROJ. DATA FILE NO. P34TR649
```

```
00001 PROJECT DATA FILE NO P3STR552
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MCNARY
10120 DETAIL:  PROTOTYPE
10130 REPORT:  TR 2-552
10200 XXXXX
10210 COLUMBIA RIVER
10220 292
10230 92292  1
10300 XXXXX
10310 75
10320 92
10330
10340 675
10350 86
10400 XXXXX
10410
10420 RTD
10430 BLC-I
10440
10450 MG,MG
10460 M
10500 XXXXX
10510 McNARY PROTOTYPE
10520 PICKETT
10530 WES
10540
10550 JUN 1960
10560 NOV 1957
10570 1:1
10580 DETAIL
10590 PROTOTYPE TESTS OF FILLING VALVE
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1400-NA-162
11140 X
11150 X
11160
11170
11200 XXXXX
11210
11220
11230
11240
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RTD
12120 11 X 12
12130 17
12140 241.25
12150 HYDRAULIC
12160 SIX 12-IN
12170
12200 XXXXX
12210 RECT
12220 11 X 12
12230 240
12240 828
12250 X
12260 X
12270 YES
12280 YES
12290 LENGTH 115 FT BTWN BLKHDS
12300 XXXXX
12310 S,F
12320 FB,FR
12330
12340 340
12350 252 TO 340
12360 0,1,2
12370 OPEN OR SEALED AT TOP
12380
13000 XXXXX
13100 XXXXX
13110 436
13120 RECT
13130 11 X 12
13140 138
13150 X
13160 1 HORIZ EA SIDE DNSTR
13170
13800 XXXXX
13810
13820 XXXXX
13881
13888
13883
```

Table 3

Table 3


```
15100 11 X 18
15130 17
15140 241.85
15150 HYDRAULIC
15160
15170
15180 XXXXX
15210 RECT
15220 11 X 18
15230 240
15240 228
15250 X X
15260 YES
15270 YES
15280 1 HORIZ BEND; 122 FT DIAM BLKHDS
15300 XXXXX
15310
15320
15330
15340
15350
15360 XXXXX
16000 XXXXX
16110
16120
16130
16140
16150
16160
16170 XXXXX
16200
16210
16220
16230
16231
16232
16233 XXXXX
16240
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320 500-MA-1200
16330
16340
16350
16360 XXXXX
16400
16410
16420
16430
16440
16450
17000 END PROJ. DATA FILE NO. P3STR6S2

13224
13225
13226
13227
13228
13229
13230
13231
13232
13233
13234
13235
13236 XXXXX
13240
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 235
14120 x x
14130 MG,MG
14140 x x x x
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 x x x x x x x x x x x x x x x x
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXX
15110 RTD
```

```
00001 PROJECT DATA FILE NO P36TR556
00002 DATE 08/18/86
10000 XXXXX
10100 W. G. STONE
10110 PROJECT: W G STONE
10120 DETAIL:  (SACRAMENTO R)
10130 REPORT:  TR 2-556
10200 XXXXX
10210 SACRAMENTO SHIP CHANNEL
10220 42
10230 81160
10300 XXXXX
10310 7
10320 21
10330 -3.6
10340 640
10350 86
10400 XXXXX
10410 APPROACH CHANNEL
10420 SECTOR GATES
10430 SG
10440 APPROACH CHANNEL
10450 SG,SG
10460 BU
10500 XXXXX
10510 SACRAMENTA BARGE CANAL
10520 ABLES; MURPHY
10530 WES
10540
10550 AUG 1960
10560 NOV 1957
10570 1:20
10580 SYSTEM
10590 LOOP CULVERTS TESTES BUT NOT ADAPTED
11000 XXXXX
11100 XXXXX
11110
11120
11130 NA-NA-425
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 SINGLE PORT
11220 SIDE WALL
11230
11240 XXXXX
11241 1 EA SIDE
11242 X
11243 RECT
11244 LOOP CULVERT
11250 XXXXX
11251 10
11252 10
11253 100
11254 1.0
11260 XXXXX
11261 10
11262 10
11263 100
11264 1.0
11270 XXXXX
11271 10
11272 10
11273 100
11274 1.0
11275 1.0
11300 XXXXX
11310 36
11320 RECT
11330 10 X 10
11340 10 X 10
11350 HORIZ
11360 HORIZ, 90 DEG
11370 TO GATE RECESS
11400 XXXXX
11410 F
11420 FB
11430 0.5 FT/MIN TO 6 FT
11440 12
11450 0
11460 VARIOUS LAG TIMES TO SECT GATE START
12000 XXXXX
12100 XXXXX
12110 SECTOR GATE
12120 86 X 45
12130 43.5
12140 (2.25 FT FROM WALL)
12150
12160 X
12170 LOOP CULVERTS HAVE VERTICAL LIFT GATES
12200 XXXXX
12210 RECT
12220 VARIABLE
12230 X
12240 -10
12250 SECTOR GATE FACE
12260 ABRUPT
12270 X
12280 YES, ALSO IN LOOP CULVERTS
12290 LOOP CULVERT AROUND SECTOR GATE TESTED
12300 XXXXX
12310 F,S
12320 BOTH GATES; BOTH CULVERTS
12330 VARIABLE
12340 38.2 TO 4
12350 8 TO 8
12360
12370
12380 'VALVES' INCLUDES 'GATES'
13000 XXXXX
13100 XXXXX
13110 SEE 11310
13120 RECT
13130 10 X 10
13140 100
13150 X
13160 X
13170 LOOP CULVERT
13200 XXXXX
13210 SINGLE OUTLET
13220 XXXXX
13221
13222
13223
```

```
13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241 1 EA SIDE
13242 SECTOR GATE RECESS
13243 RECT
13244
13250 XXXXX
13251 X
13252 X
13253 X
13254 X
13260 XXXXX
13261 10
13262 10
13263 X
13264 X
13265 NOT CONSIDERED
13300 XXXXX
13310 F
13320 BOTH GATES; BOTH UVALUES
13330 VARIABLE
13340 38.2 TO 4
13350 35.5 TO 0
13360 8 TO 1.5
13370
14000 XXXXX
14100 XXXXX
14110 -13 TO -13.5
14120 SECTOR GATE RECESSES
14130 X
14140 SECTOR
14150
14160 X
14170 X
14180 X
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D,O
14213 12.9
14214
14220 F,S,E
14230 BOTH GATES; BOTH CULVERTS
14240 VARIABLE
14250 38.2 TO 4
14260 35.5 TO 0
14270 8 TO 1.5
14280 NOT CONSIDERED
14290 'UVALUES' INCLUDES 'GATES'
15000 XXXXX
15100 XXXXX
15110 SECTOR GATE
15120 86 X 45
15130 43.5
15140 (2.25 FT FROM WALL)
15150
15160 X
15170 REVERSE FLOW TESTED; NO LOOP CULVERTS
15200 XXXXX
15210 RECT
15220 VARIABLE
15230 X
15240 -13
15250 SECTOR GATE FACE
15260 ABRUPT
15270 X
15280 YES
15290
15300 XXXXX
15310 F,S,E
15320 BOTH GATES
15330 VARIABLE
15340 24.5 TO 1.0
15350 8 TO 1.5
15360 'UVALUES' + 'GATES'
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 CANAL
16320
16330 NA-NA-300(64)
16340 X
16350 X
16360
16400 XXXXX
16410 S,E
16420 BOTH GATES
16430 VARIABLE
16440 24.5 TO 1.5
16450 8 TO 1.5
16460 'UVALUES' + 'GATES'
17000 END PROJ. DATA FILE NO. P36TR8S8
```

```
00001 PROJECT DATA FILE NO P37TR561
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: NEW POE
10120 DETAIL:
10130 REPORT:  TR 2-561
10200 XXXXX
10210 ST MARYS RIVER
10220
10230
10300 XXXXX
10310 21
10320
10330
10340 850
10350 100
10400 XXXXX
10410 WALL INTAKE
10420 RT
10430 BLC-S
10440 WALL DISCHARGE
10450 MG,MQ
10460
10500 XXXXX
10510 NEW POE LOCK
10520 ABLES, SCHMIDTGALL
10530 WES
10540
10550 APR 1961
10560 APR 1959
10570 1:25, 1:12
10580 SYSTEM DETAIL
10590 INCLUDES TAINTER VALVE HOIST LOADS
11000 XXXXX
11100 XXXXX
11110 RIVER
11120
11130 LEFT LONG; RIGHT 305 FT
11140 X
11150 SUBMERGENCE
11160 X
11170 1 OF 4 PARALLEL LOCKS
11200 XXXXX
11210 SIDEWALL
11220 INSIDE EACH WALL
11230 22
11240 XXXXX
11241 6, 6, 8
11242 SINGLE LINE
11243 RECT
11244 3 DESIGNS TESTED
11250 XXXXX
11251 12.5, 12.5, 12.5
11252 11, 14, 14
11253 825, 1050, 1400
11254 885/221; 1050/881; 1400/221
11260 XXXXX
11261 9.5, 9.5, 9.5
11262 11, 11, 11
11263 627; 687; 836
11264 627/221; 687/221; 836/881
11870 XXXXX
11871 5.5 TO 8.17; 5.5 TO 8.98; 4.5 TO 8.33
11872 14, 14,14
11873 1736.88; 1900; 2537.98
11874 1736.88/221; 1900/881; 2537.98/221
11875 20.67/13; 21.5/13; 22.66/13
11300 XXXXX
11310 110
11320 RECT
11330 88 X 14
11340 13 X 17
11350 DOWN
11360 VERT - 2
11370
11400 XXXXX
11410 S,F
11420 FB
11430 S,2,4
11440 116
11450 98 TO 99.4
11460 EL ARE CANAL DATUM
12000 XXXXX
12100 XXXXX
12110 RTS
12120 13 X 14
12130 21
12140 75.5
12150 CRANK & GEARS
12160 X
12170
12200 XXXXX
12210
12220 13 X 14
12230 74
12240 60
12250 X
12260 X
12270 YES
12280 YES
12290 55 FT BTWN BLKHDS
12300 XXXXX
12310 F,S,E
12320 FB,FR,EB
12330 S,2,4
12340 116
12350 VARIABLE
12360 X
12370
12380
13000 XXXXX
13100 XXXXX
13110 L 655 & R 650
13120 RECT
13130 13 X 14/ 13X17/ 13X14
13140 188 & 221
13150 14 TO 17 TO 14 FT HT
13160 VERT
13170 75 & 90 FT BTWN BLKHDS
13800 XXXXX
13810 BOTTOM LATERAL - SPLIT
13820 XXXXX
13821 5 TO 10 EA SIDE
13822 UPSTR & DNSTR GROUPS
13823 100
```

```
13284 88-FT CTRS
13285 RECT
13286 7.5 X 6
13287 8850 TO 4500
13288 8850/881 TO 4500/881
13289 9 DESIGNS TESTED
13290 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 7 PR EA LATERAL
13242 SINGLE LINE EA SIDE
13243 RECT
13244 3 INTERNALS SETS OF LAT WIDTH TESTED
13250 XXXXX
13251 1.5
13252 2.92
13253 61.32
13254 45/45
13260 XXXXX
13261 2.5 (0.5 FT RADIUS)
13262 3.42 (0.5 FT RADIUS)
13263 X
13264 X
13265 40
13300 XXXXX
13310 F,S,E
13320 FB,FR,EB
13330 S,2,4,8
13340 112.5 TO 119.3
13350 91.5 TO 116
13360 91.5 TO 95
13370
14000 XXXXX
14100 XXXXX
14110 S9
14120 SYSTEM FLUSH WITH FLOOR
14130 X
14140 MG,MG
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 76 X 730 SHIP HULL
14212 U C D
14213 25
14214
14220 F,S,E
14230 FB,FR,EB
14240 8,2,4,8
14250 112.5 TO 119.3
14260 91.5 TO 116
14270 91.5 TO 95
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTS
15120 13 X 14
15130 81
15140 75.5
15150 CRANK & GEARS
15160 X
15170
15200 XXXXX
15210 RECT
15220 13 X 14
15230 74
15240 60
15250 X
15260 X
15270 YES
15280 YES
15290
15300 XXXXX
15310 F,E
15320 FB,EB
15330 S,2,4
15340 116
15350 95
15360
16000 XXXXX
16100 XXXXX
16110 155
16120 RECT
16130 13 X 14
16140 20 X 14
16150 HORIZ
16160 X
16170 3 DESIGNS TESTED
16200 XXXXX
16210 SIDEWALL
16220 INSIDE EA WALL
16230 XXXXX
16231 5 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 14
16243 280
16244 280/188
16250 XXXXX
16251 7
16252 14
16253 21
16260 PLUS 0.5 FT RADIUS TOP & SIDES OF OUTLET
16300 XXXXX
16310 RIVER
16320
16330 LEFT LONG; RIGHT 440 FT
16340 X
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 8,2,4,8
16440 116 TO 98
16450 95
16460
17000 END PROJ. DATA FILE NO. P37TR681
```

Table 3

```
00001 PROJECT DATA FILE NO P38SP070
00002 DATE 02/18/86
10000 XXXXX
10100 INTAKE MANIFOLDS
10110 PROJECT: INTAKE MANIFOLDS
10120 DETAIL:
10130 REPORT:  STP 70
10200 XXXXX
10210 TOMBIGBEE,APALACHIC.
10220 213.2,261.1,187.6
10230
10300 XXXXX
10310 40,22,33
10320
10330
10340 670,670,505
10350 110,110,82
10400 XXXXX
10410
10420
10430 BLC,SP,SP
10440
10450 MG,MG;3 LOCKS
10460 BU;3LOCKS
10500 XXXXX
10510 DEMOPOLIS,WARR&WOOD
10520 MERTES&NELSON
10530 STP-SAF
10540 TC159 US NO.70
10550 APRIL 1961
10560 SEPT 1956
10570 1:33.33
10580 DETAIL
10590 3 LOCKS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 706-271;165-657;582+
11140
11150 SUBM,BAFFLS,VANES,MD
11160 YES&CHUTE
11170 GUARD WALL GEOMETRY
11200 XXXXX
11210 SILL & WALL
11220 INSIDE APPRCH WALLS
11230 D:23;U:13;JU:27
11240 XXXXX
11241 6-8 SILL;12 WALL
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 10.85;10.5;11.5
11252 16;14.5;13.5
11253
11254
11260 XXXXX
11261 6.75;7;8
11262 12.5;11;10
11263
11264
11270 XXXXX
11271 1.5-4.8;4.8-7.3;.5-5
11272 11
11273
11274
11275
11300 XXXXX
11310
11320 RECT
11330 16.5X11
11340
11350
11360
11370
11400 XXXXX
11410 F,S
11420 FB
11430 1.1-4;2-6;1.5-6
11440 73-92;95-100;77
11450 32-67;73-99;44
11460 CROSS FLOW/SPILLWY
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210
13220 XXXXX
13881
13882
13883
```

Table 3

Table 3


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15100
15110
15120
15130
15140
15150
15160
15170
15180
15190
15200
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300
15310
15320
15330
15340
15350
15360
15370
15380
15390
15400
15410
15420
15430
15440
15450
15460
17000 END PROJ. DATA FILE NO. P38P07N
```

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13284
13286
13288
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13294
13296
13298
13300
13302
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13334
13336
13338
13340
13342
13344
13346
13348
13350
13352
13354
13356
13358
13360
13362
13364
13366
13368
13370
14000
14100
14110
14120
14130
14140
14150
14160
14170
14180
14800
14810
14811
14812
14813
14814
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14830
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14850
14860
14870
14880
15000
15100
15110
```

```
00001 PROJECT DATA FILE NO P38TR537
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 19
10120 DETAIL:  TAINTER VALVES
10130 REPORT:  TR 2-537
10200 XXXXX
10210 MISSISSIPPI RIVER
10220
10230
10300 XXXXX
10310 38.2
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420 RTS
10430
10440
10450
10460
10500 XXXXX
10510 NEW LOCK NO. 19
10520 ABLES & MURPHY
10530 YES
10540
10550 JUN 1961
10560 JUL 1958
10570 1:12
10580 DETAIL
10590 CULVERT TAINTER VALVE TESTS; ALSO PROTOTYPE DATA
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220 UPSTR SILL
11230
11240 XXXXX
11241 6 TOTAL
11242 IN LINE ACROSS SILL FACE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310 25
11320 RECT
11330 15 X 15
11340 14.5 X 14.5
11350 HORIZ
11360 X
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RTS & RTV (18 TYPES)
12120 14.5 X 14.5
12130 21
12140 477.5
12150 GEAR/CRANK/STRUT
12160 X
12170
12200 XXXXX
12210 RECT
12220 14.5 X 14.5
12230 476
12240 461.5
12250 X
12260 X
12270 YES
12280 YES
12290 45.5 FT LENGTH BTWN BLKHDS
12300 XXXXX
12310 F
12320 1
12330 3; 2 & 4 MIN
12340 X
12350 X
12360 X
12370 OPEN, CLOSED
12380 DISCH 300 TO 9130 CFS; ALSO PROTOTYPE TESTS
13000 XXXXX
13100 XXXXX
13110 1115
13120 RECT
13130 14.5 X 14.5; 14 X 18
13140
13150
13160 DNSTR END
13170
13200 XXXXX
13210
13220 XXXXX
13221 10 LATS EA SIDE
13222 6-8-6
13223 110
```

```
13824 5 AT 15/45/7 AT 15/45/5 AT 15
13825 RECT
13826
13827
13828
13829
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTS
```

```
15120 14.5 X 14.5
15130 81
15140
15150 GEAR/CRANK/STRUT
15160 X
15170
15200 XXXXX
15210
15220 14.5 X 14.5
15230 478
15240 457.5
15250 X
15260 X
15270 YES
15280 YES
15290
15300 XXXXX
15310 E
15320 E
15330 M 2 MIN, P 1.5 MIN
15340
15350
15360 ALSO PROTOTYPE TESTS
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO P30TR637
```

```
00001 PROJECT DATA FILE NO P40SP071
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: EISENHOWER
10120 DETAIL:  AND SNELL
10130 REPORT:  STP 71
10200 XXXXX
10210 ST.LAWERENCE SEAWAY
10220
10230
10300 XXXXX
10310 E:43;S:49
10320
10330
10340 800
10350 80
10400 XXXXX
10410
10420 RTS
10430 SP
10440
10450 MG,MG
10460
10500 XXXXX
10510 EISENHR&SNELL LKS
10520 FIDELMAN
10530 STP-SAF
10540 TC159 US NO.71
10550 JUNE 1961
10560 JUNE 1956
10570 1:24.24,36,& 33.33
10580 SYSTEM,DETAIL
10590 INCL PORT&EMERG GATE
11000 XXXXX
11100 XXXXX
11110 E:LAKE; S:CANAL
11120 E:VERY LONG;S:3 MI.
11130
11140
11150
11160 E:YES; S:YES
11170
11200 XXXXX
11210 VERTICAL
11220 UPPER SILL BLOCK
11230 E:35-39; S:39.5
11240 XXXXX
11241 3 EACH SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 8.25 TO 9.5
11252 12 TO 28.125
11253 594 TO 1281.13
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271 4.5 TO 7 OR 8
11278 18
11273 399.8 TO 440
11274
11275 18.67/12 TO 18.25/15
11300 XXXXX
11310 105 TO 140
11320 RECT
11330 12X14 TO 12X18
11340 12X14
11350 DOWN
11360 1-90 DEG HORIZ
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RTS
12120 12X14
12130 21
12140 2 FT ABOVE ROOF
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12X14
12230 E:180; S:130
12240 E:166; S:116
12250 X
12260 X
12270 YES
12280 YES
12290 50 FT BTWN BLKHDS
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370 OPEN/SEALED
12380
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 12X14 TO 15X16
13140 336 TO 480
13150 12X14-15X16-12X14
13160 8 VERT
13170
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

40 2 of 2

```
13824 X
13825 XX
13826 XXX
13827 XXX
13828 XX
13829 XX
13830 XXXXX
13831 X
13832 XX
13833 XX
13834 XX
13835 XX
13836 X
13840 XXXXX
13841 14 TO 23 EA SIDE
13842 SINGLE LINE
13843 RECT
13844 EXTENSIONS,ANGLES
13850 XXXXX
13851 2.2 TO 4
13852 3.6 TO 5.5
13853
13854
13860 XXXXX
13861 2.7 TO 6.8
13862 4.0 TO 5.5
13863 VARIABLE
13864 VARIABLE
13865 30
13866 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 E:141; S:96 TO 106
14120 X
14130 X
14140 RG,RG
14150 E:VERT LIFT GATE
14160
14170
14180
14300 XXXXX
14210 XXXXX
14211 76X710; 43X257
14212 C; U.C,D
14213 26.5 OR 27; 16.5
14214 SHIPS IN APPROACH
14220
14230
14240
14250
14260
14270
14280
14290 LIFT GATE POSITION
15000 XXXXX
15100 XXXXX
15110 RTS

15120 1BX14
15130 B1
15140 8 FT ABOVE ROOF
15150
15160
15170
15800 XXXXX
15810 RECT
15820 1BX14
15830 E:107; S:117
15840 E:153; S:163
15850 X X
15860 X X
15870 YES
15880 YES
15890 50 FT BTWN BLKHDS
15900 XXXXX
15910
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110 40
16120 RECT
16130 12X14
16140 19X11.5
16150 HOR12
16160 X
16170
16200 XXXXX
16210 BOT LAT;3 EA SIDE)
16220 APPROACH FLOOR
16230 XXXXX
16231 8 PR EA LATERAL
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 1.67
16242 4.25
16243
16244
16850 XXXXX
16851 1.67
16852 4.25
16853 43
16860 PORT EXTENSIONS
16300 XXXXX
16310 E:CANAL; S:POOL
16320 E:3 AT.; S:VERY LONG
16330
16340 X X
16350 X X
16360
16400 XXXXX
16410
16420
16430
16440
16450
17000 END PROJ. DATA FILE NO. P466P071
```

```
00001 PROJECT DATA FILE NO P41TR573
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: DARDANELLE
10120 DETAIL:  INTAKE
10130 REPORT:  TR 8-573
10200 XXXXX
10210 ARKANSAS RIVER
10220 205
10230 64205 412
10300 XXXXX
10310 54
10320
10330
10340 570
10350 110
10400 XXXXX
10410
10420 RTS
10430 HB4
10440
10450 MG,MG
10460 BFC
10500 XXXXX
10610 DARDANELLE INTAKES
10520 ABLES
10530 WES
10540
10550 JUL 1961
10560 APR 1959
10570 1:25
10580 DETAIL
10590 INTAKE SYSTEM TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 792-NA-285
11140
11150 7 HOODS; 6 SILLS; 14 PIERNOSES TESTED
11160
11170 SILL MODIFICATION
11200 XXXXX
11210 SIDEWALL
11220 INSIDE & OUTSIDE GUIDE; INSIDE GUARD
11230
11240 XXXXX
11241 8 TO 13 GUARD; 4 & 4 TO 7 & 7 GUIDE
11242 SINGLE LINES EA SIDE
11243 RECT
11244 4 TYPES TESTED
11250 XXXXX
11251 9;9;9;8
11252 12;12;12;15
11253 1728;1728;2160;3846
11254 1728/377;1728/377;2160/377;3846/377
11260 XXXXX
11261 7;7;7;7
11262 10;10;10;13
11263 1180;1180;1400;2467
11264 1180/377;1180/377;1400/377;2467/377
11270 XXXXX
11271 4.8 TO 8.0; 5.4 TO 1.3; 5.0 TO 1.4; 4.4 TO 1.1
11272 13;13;13;13
11273 687.7; 698.4; 741; 784.8
11274 687.7/377;698.4/377;741/377;784.8/377
11275 46.8/89;46.6/89; 57/89;80.4/89
11300 XXXXX
11310 138
11320 RECT
11330 16 X 13
11340 14.5 X 13
11350 DOWN
11360 2 VERTICAL
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,3.58
11440 338
11450 284 TO 329
11460
12000 XXXXX
12100 XXXXX
12110 RTS
12120 14.5 X 13
12130
12140
12150
12160 WATER VENT TESTED
12170
12200 XXXXX
12210 RECT
12220 14.5 X 13
12230 278
12240 265
12250 X
12260 X
12270 5 GAP WIDTHS TESTED
12280 YES
12290 50 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S; 3.58
12340 338
12350 286
12360 X
12370 SEALED AT EL 290
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170 WATER VENT TESTED
13800 XXXXX
13810
13820 XXXXX
13881
13888
13883
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Table 3

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13824
13825
13826
13827
13828
13829
13830 XXXXX
13831
13832
13833
13834
13835
13836
13240 XXXXX
13841
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200
14210 XXXXX
14211
14212
14213
14814
14220
14230
14240
14850
14860
14870
14880
14890
15000 XXXXX
15100 XXXXX
15110
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15120
15130
15140
15150
15160
15170
15200 XXXXX
15810
15220
15230
15240
15850
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16219
16220
16230
16831
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 670-MA-107
16340 STILLING BOX IN SPUV CH
16350 X
16360 16340 SHOWN IN WES TR 2-658
16400 XXXXX
16410
16480
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P41TR673
```

```
00001 PROJECT DATA FILE NO P4B9P073
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: W F GEORGE
10120 DETAIL:
10130 REPORT:  STP 73
10200 XXXXX
10210 CHATTAHOOCHEE R.
10220 75
10230 15894-416
10300 XXXXX
10310 88
10320
10330
10340 505
10350 82
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 MG,MG
10460 BW
10500 XXXXX
10510 WALTER F. GEORGE
10520 FIDELMAN,NELSON
10530 TC159 US NO.73
10540
10550 SEPT 1961
10560 NOV 1958
10570 1:33.33,1:24.24
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 590-NA-286
11140
11150 SUBMERGENCE,FINS
11160 BAR SCREEN
11170
11200 XXXXX
11210 SINGLE PORT
11220 UPSTR FACE OF SILL
11230 50
11240 XXXXX
11241 1 EA CULVERT
11242 QTR PTS OF FACE
11243 RECT
11244
11250 XXXXX
11251 15
11252 25
11253 375
11254 375/144
11260 XXXXX
11261 15
11262 18.6
11263 277.5
11264 277.5/144
11870 XXXXX
11871 18
11872 18
11873 144
11874 144/144
11875 18/18
11300 XXXXX
11310 L:85 TO 387;R:85
11320 RECT
11330 18X18
11340 18X18
11350 HORIZ
11360 2 HORIZ 90 DEG
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,3 TO 6.8
11440 100
11450 102
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 12X12
12130 17
12140 95
12150
12160 YES
12170 GAP AT SEAL
12200 XXXXX
12210 RECT
12220 12X12
12230 94
12240 92
12250 FLOOR BAFFLE
12260 ROOF;AIR COLLECTION
12270 YES
12280 YES
12290 40-50 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB,FL,FR
12330 S,8.3 TO 6.8
12340 100
12350 102 TO 157
12360 OPEN/SEALED
12370 OPEN/SEALED
12380
13000 XXXXX
13100 XXXXX
13110 L:90-335, R:335
13120 RECT
13130 12X12
13140 144
13150 X
13160 X
13170
13000 XXXXX
13010 BOT LAT-SPLIT
13020 XXXXX
13021 6-6 EA SIDE
13022 QTR POINTS
13023 88
```

```
13824 17
13825 RECT
13826 6X4.5
13827
13828
13829
13230 XXXXX
13831 UPSTR LAT TESTED
13238 Y
13833 X
13834 X
13235 X
13836 X
13240 XXXXX
13241 6 PR PER LATERAL
13242 SINGLE LINE
13243 RECT
13244 PORT EXTENSIONS
13250 XXXXX
13251 1.17
13252 2.33
13253
13254
13260 XXXXX
13261 1.17
13262 2.33
13263 X
13264 X
13265 18
13300 XXXXX
13310 F,E,S
13320 FB,FL,FR,EB,EL,ER
13330 S,2-10,VARIABLE
13340 190,185
13350 182 TO 190
13360 182
13370
14000 XXXXX
14100 XXXXX
14110 88
14120 LATS RECESSED IN FLR
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F,M,O
14212 U,C,D,O
14213 9
14214
14220 F,E
14230 FB,FL,FR,EB,EL,ER
14240 8-10,VARIABLE
14250 190,185
14260 182 TO 190
14270 188
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 18X18
15130 17
15140 95
15150
15160
15170
15200 XXXXX
15210 RECT
15220 18X18
15230 94
15240 88
15250 X
15260 X
15270 YES
15280 YES
15290 60 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB,EL,ER
15330 S,3-8,VARIABLE
15340 181 TO 190
15350 182
15360
16000 XXXXX
16100 XXXXX
16110 L:300, R:160
16120 RECT
16130 12X12
16140 12X12
16150 L:DWN-HORIZ-UP,R:HOR
16160 2 HORIZ
16170
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 12
16243
16244
16250 XXXXX
16251 14 TO 12
16252 12
16253 8
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 307-MA-554
16340 BASIN
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB,EL,ER
16430 S,3-8,VARIABLE
16440 181 TO 190
16450 182
16460
17000 END PROJ. DATA FILE NO P48SP073
```

```
00001 PROJECT DATA FILE NO P438P074
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: GREENUP
10120 DETAIL:  AND MARKLAND
10130 REPORT:  STP 74
10200 XXXXX
10210 OHIO RIVER
10220 G:341; M:31.5
10230 41640-006/41448-306
10300 XXXXX
10310 G:30; M:35
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420
10430 BLC-S
10440
10450 MG,MG
10460 G:VL; M:SG
10500 XXXXX
10510 GREENUP & MARKLAND
10520 HARTIGAN & RYDER
10530 STP-SAF
10540 TC159 US NO.74
10550 JAN 1962
10560 SEPT 1954
10570 1:33.33
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1348-148-/-200-100
11140
11150 SUBMERGENCE
11160 BAR SCREENS
11170
11200 XXXXX
11210 SIDEWALL
11220 2 SIDES I-WAL/OUT RU
11230 G:14; M:18.5
11240 XXXXX
11241 8(2 TO 8) EA WALL
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 IU:7; RU:8
11262 IU:10; RU:12
11263 IU:672; RU:768
11264 IU:672/288;RU:768/288
11270 XXXXX
11271 IU:6.3-8.8;RU:4.8-8.8
11272 IU:16; RU:16
11273 IU:408.7; RU:370.7
11274 IU:403/288;RU:371/288
11275 IU:24.5/18;RU:25.2/18
11300 XXXXX
11310 X
11320 RECT
11330 18X16
11340 18X18
11350 DOWN
11360 2 VERT
11370 WITHIN GATE PASSAGE
11400 XXXXX
11410 F,9
11420 FB,FL,FR
11430 9,4,2
11440 G:515; M:420
11450
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 18X16
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 18X16
12230 G:481; M:416.5
12240 G:465; M:400.5
12250 X
12260 X
12270 YES
12280 YES
12290 225-270 FT BTUN BLKHDS
12300 XXXXX
12310 F,9
12320 FB
12330 S,4
12340 G:515; M:455
12350 G:485; M:420
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 921
13120 RECT
13130 18X16
13140 288
13150 X
13160 X
13170
13000 XXXXX
13010 INTER.&SPLIT BOT LATS
13020 XXXXX
13021 I:8-11; S:11 EA SIDE
13022 VARIOUS
13023 110
```

Table 3

```
13224 I:40; S:88; VAR GRPS
13226 RECT
13226 DXS
13227
13228
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 9,14 PER LATERAL
13242 SINGLE LINES
13243 RECT
13244 PORT EXTENSIONS
13250 XXXXX
13251 1.0,1.0
13252 2.1,2.5
13253
13254
13260 XXXXX
13261 1.0,1.0(+.5R FLARE)
13262 2.1,2.5(+.5R FLARE)
13263 X
13264 X
13265
13300 XXXXX
13310 F,E,S
13320 FD,FL,FR,ED,EL,ER
13330 S,1-5,VARIABLE,LAG
13340 G:515-512; M:455
13350 G:481-515; M:420-455
13360 G:485-481; M:420
13370
14000 XXXXX
14100 XXXXX
14110 G:468; M:403.5
14120 LAT SYS RECESSED
14130 TESTED IN INTER. SYS
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 2 TO 10 BARGES
14212 VARIED
14213 9,18
14214
14220 F,E
14230 FD,FL,FR,ED,EL,ER
14240 1 TO 5,VARIABLE,LAG
14250 G:515-512; M:455
14260 G:481-515; M:420-455
14270 G:485-481; M:420
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 10X16
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 10X16
15230 G:481; M:416.5
15240 G:485; M:400.5
15250 X
15260 X
15270 YES
15280 YES
15290 86 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 ED,EL,ER
15330 S,4,2,LAG
15340 G:515; M:455
15350 G:485; M:420
15360
16000 XXXXX
16100 XXXXX
16110 LU:310; RW:75
16120 RECT
16130 10X16
16140 10X16
16150 DOWN
16160 2 VERT, 1 HORIZ
16170
16200 XXXXX
16210 SINGLE PORT OUTLET
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 SEPARATE BASINS
16233 RECT
16240 ED,EL,ER
16241 18
16242 16
16243 288
16244 288/288
16250 XXXXX
16251 32
16252 13.5
16253 G:18; M:17.5
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 1170-120-NA/NA-NA-NA
16340 RECESSED BASIN
16350 X
16360
16400 XXXXX
16410 E,S
16420
16430 S,4,2,LAG
16440 G:515; M:455
16450 G:485; M:420
16460
17000 END PROJ. DATA FILE NO. P438P074
```

Table 3

```
00001 PROJECT DATA FILE NO P448P065
00002 DATE 08/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 19 (600)
10120 DETAIL:
10130 REPORT:  STP 65
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 364.8
10230 31364 206
10300 XXXXX
10310 38.2
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 US,MG
10460 NO
10500 XXXXX
10510 LOCK & DAM NO. 19 (600 FT)
10520
10530 STP-SUI
10540 TC159 US NO. 65
10550 JUN 1962
10560 JAN 1944
10570 1:24,1:25,1:30
10580 SYSTEM
10590 SEE ALSO REPORTS STP 48 & 49
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 330-NO-NO
11140
11150 SUBMERGENCE
11160 YES
11170 OLD DRY DOCK SILL
11200 XXXXX
11210 SIDEWALL & SILL
11220 INSIDE UPSTR APPROACH
11230 21 TO 42
11240 XXXXX
11241 1 TO 6 PER CULVERT
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 8 TO 10
11252 4 TO 14
11253
11254
11260 XXXXX
11261 5 TO 10
11262 4 TO 14
11263
11264
11270 XXXXX
11271 3.3 TO 10
11272 4 TO 14
11273
11274
11275
11300 XXXXX
11310 VARIED
11320 RECT
11330 6X6 TO 11X14
11340 5X4 TO 12.5X12.5
11350 DOWN
11360 1 HORIZ, 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,1,2
11440 518 TO 480
11450 480
11460
12000 XXXXX
12100 XXXXX
12110 B-FLY,RT,U-LIFT
12120 VARIED
12130 RT:18
12140 1.5 FT ABOVE ROOF
12150
12160
12170
12200 XXXXX
12210 RECT
12220 VARIED
12230 467 TO 479
12240 463 TO 472.5
12250
12260
12270 RT:YES
12280 YES
12290 LOOP CULVERT
12300 XXXXX
12310 F
12320 FB
12330 1 TO 4
12340 518
12350 480
12360
12370 OPEN/CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 50 TO 894
13120 RECT
13130 5X4 TO 12.5X12.5
13140 VARIES
13150 TESTED TAPER 12.5X19.5 TO 8.75X5
13160 X
13170
13200 XXXXX
13210 SILL,SIDEPORT,BOT LAT,BOT LONG,LOOP
13220 XXXXX
13221 B LONG:8; SILL:8; LOOP:7.8; B LAT:14 TO 38
13222 VARIED
13223 B LONG:894 TO 800; BOT LAT:110
```

```
13824 VARIED
13825 RECT
13826 B LONG:6X4; SILL:6X6; BOT LAT:VARIED
13827
13828
13829 SHORT CULV THRU SILL
13230 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836 X
13240 XXXXX
13241 B LONG:663 TO 123 LONG; LOOP:5 TO 8; SP:10 TO 20
13242 B LONG: TOP; OTHERS:SIDE
13243 B LONG:CIRC; OTHERS:RECT
13244 VARIED SPACINGS
13250 XXXXX
13251 B LONG:0.5D, 1.25D; OTHERS:0.2 TO 9
13252 SP & B LAT: 0.5 TO 99 (SLOT)
13253
13254
13260 XXXXX
13261 B LONG:0.5D,1.25D; OTHERS: 0.2 TO 9
13262 SP & B LAT: 2 TO 99 (SLOT)
13263
13264
13265
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 S,1 TO 4
13340 518
13350 480 TO 518
13360 480
13370
14000 XXXXX
14100 XXXXX
14110
14120 SILL:BASIN
14130 COVER PLATES,DIFFUSER PLATES
14140 SUB T GATE; MITER G
14150
14160
14170
14180 LOCK GATE CONTROL OF CULV
14200 XXXXX
14210 XXXXX
14211 3000,9100 TONS
14212 C
14213 9
14214
14220 F,E
14230 FB,EB
14240 1 TO 4
14250 518
14260 518 TO 480
14270 480
14280
14290 OPERATE SUB TAINTER GATE
15000 XXXXX
15100 XXXXX
15110 B-FLY,RT,V LIFT
15120 VARIED
15130 RT:18
15140 1.5 FT ABOVE ROOF
15150
15160
15170
15200 XXXXX
15210 RECT
15220 VARIED
15230 445 TO 479
15240 440 TO 466.5
15250
15260
15270 RT:YES
15280 YES
15290
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 5X4 TO 12.5X12.5
16140 5X4 TO 12.5X12.5
16150 UP,HORIZ,DOWN
16160 1 HORIZ, 2 VERT
16170 B LONG:TRANS BOT TRENCH & SILL CULV
16200 XXXXX
16210 SIDEWALL, BOT LAT, SINGLE OUTLETS
16220 IN-/OUTSIDE APPROACH WALLS
16230 XXXXX
16231 VARIED
16232 SIDE, BOTTOM
16233 RECT,CIRC
16240 XXXXX
16241 VARIED
16242 VARIED
16243 VARIED
16244
16250 XXXXX
16251 VARIED
16252 VARIED
16253 1 TO 13
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 70-NO-70
16340 BASIN, DIFFUSER
16350
16360
16400 XXXXX
16410 E
16420 EB
16430 8.5
16440 518
16450 480
16460
17000 END PROJ. DATA FILE NO. P448P065
```

```
00001 PROJECT DATA FILE NO P45B1111
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: PANAMA CANAL
10120 DETAIL:  GATE SEALS
10130 REPORT:  BHL 111-1
10200 XXXXX
10210
10220
10230
10300 XXXXX
10310
10320 80
10330
10340
10350 110
10400 XXXXX
10410
10420
10430
10440
10450 MG
10460
10500 XXXXX
10510 PANAMA GATE SEALS
10520 CHANDA & THEUS
10530 BHL
10540
10550 JAN 1963
10560 FEB 1962
10570 1:1
10580 DETAIL
10590 MITER GATE SEALS
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11262
11263
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210
13220 XXXXX
13221
13222
13223
```

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13824
13825
13826
13827
13828
13829
13830 XXXXX
13831
13832
13833
13834
13835
13836
13840 XXXXX
13841
13842
13843
13844
13850 XXXXX
13851
13852
13853
13854
13860 XXXXX
13861
13862
13863
13864
13865
13900 XXXXX
13910
13920
13930
13940
13950
13960
13970
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140 MITER
14150
14160
14170
14180 MITER GATE SEALS
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230
14240
14250 1 TO 80 FT ABOVE SILL
14260 0 TO 2 FT ABOVE SILL
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110
```

```
15120
15130
15140
15150
15160
15170
15800 XXXXX
15810
15820
15830
15840
15850
15860
15870
15880
15890
15900 XXXXX
15910
15920
15930
15940
15950
15960
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P45D1111
```

Table 3

Table 3


```
00001 PROJECT DATA FILE NO P468P006
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 19 (1800)
10120 DETAIL:
10130 REPORT: STP 66
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 364.2
10230 31364 296
10300 XXXXX
10310 38.2
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420
10430 SPaDLC-I
10440
10450 US,MG
10460 UL
10500 XXXXX
10510 LAD NO.19 (1200 FT)
10520 PRESTON & HARTIGAN
10530 STP-SUISAF
10540 TC159 US NO.66
10550 JUNE 1962
10560 MAY 1948,APRIL 1954
10570 1125
10580 SYSTEM
10590 TEST COMB 8006355 LK
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 S2-NA-132
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 WALL PORTS
11220 UPSTR FACE OF SILL
11230 41.7
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 8,9.5
11252 15
11253 400 TO 570
11254
11260 XXXXX
11261 8,9.5
11262 15
11263 400 TO 570
11264
11270 XXXXX
11271 3.5-9.3(JUN-81-82)
11272 15
11273 315 TO 337
11274
11275
11300 XXXXX
11310 66
11380 RECT
11330 15X15
11340 14.5X14.5
11350 HORIZ
11360 1 HORIZ,90 DEG
11370
11400 XXXXX
11410 F,S
11420 F&
11430 S;1.3 TO 4.1
11440 518
11450 480 TO 486
11460 LOWER UPSTR GATE
12000 XXXXX
12100 XXXXX
12110 RT
12120 14.5X14.5
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 14.5X14.5
12230 476
12240 461.5
12250 X
12260 X
12270 YES
12280 YES
12290 45 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 F&
12330 3
12340 518
12350 482,486
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 136 TO 1110
13120 RECT
13130 14.5X17
13140 840.5
13150 EXPLCONTR(11.5X14.5)
13160 X
13170 TEST SEP FLE SYSTEMS
13800 XXXXX
13810 DOT LAT,SIDEPORT
13820 XXXXX
13821 7-10 EACH SIDE
13822 MID 3RDQTR-HALF PTS
13823 110
```

```
13224 30 EACH SIDE
13225 RECT
13226 6X6
13227
13228
13229 4 BOT LAT IN 336 LK
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 22 PER LAT;4-12/SIDE
13242 STRAIGHT LINE
13243 RECT
13244
13250 XXXXX
13251 LAT:1.4 TO 1.7
13252 LAT:1.9
13253 L:516-597;SP:187-318
13254
13260 XXXXX
13261 L:1.4-1.7;SP:7-9.5
13262 L:1.9;SP12.5-14.5
13263
13264
13265
13300 XXXXX
13310 F,E,S
13320 F:1 OR 2;E:1 TO 4
13330 S,1 TO 6
13340 518
13350 480 TO 518
13360 480
13370 LOWER UPSTR GATE
14000 XXXXX
14100 XXXXX
14110 466.5
14120 BOT LAT SYS RECESSED
14130 BAFFLE GRID
14140 SUB TG;MG;MG
14150 VERT LIFT GATE
14160
14170
14180 TEST COMB 800/360 LK
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214 TIE BTWN BARGES
14220 F,E
14230 F:1 OR 2;E:1 TO 4
14240 1 TO 6
14250 518
14260 480 TO 518
14270 480
14280
14290 OPERATE UPSTR GATE
15000 XXXXX
15100 XXXXX
15110 RT
15120 12.5X12.5-14.5X14.5
15130
15140
15150
15160
15170 ROUNDED LIP
15200 XXXXX
15210 RECT
15220 12.5X12.5-14.5X14.5
15230 ED
15240 457.5
15250 FLOOR SILL TESTED
15260 X
15270 YES
15280 YES
15290 55-60 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320
15330 S,8 TO 4
15340 517
15350 480
15360 STOP LOG SLOTS
16000 XXXXX
16100 XXXXX
16110 0 TO 90
16120 RECT
16130 12.5X12.5-14.5X14.5
16140 12.5X12.5-21X9.5
16150 HORIZ
16160 1 HORIZ
16170 3&4 CULV SYSTEMS
16200 XXXXX
16210 SIDEWALL, BOT LAT
16220 IN/OUT APPRCH WALLS
16230 XXXXX
16231 SW:5-24;BL:18 PER LT
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251 SW:2 TO 7;BL:1.1-2
16252 S:10.5-12.5;L2.9-5.2
16253 3 TO 19
16260
16300 XXXXX
16310 VERY LONG
16320
16330 532-NA-635
16340 SHALLOW BASINS
16350 BAFFLE IN TRENCHES
16360
16400 XXXXX
16410 E,S
16420 ED
16430 S,1 TO 6
16440 518
16450 480
16460
17000 END PROJ. DATA FILE NO. P48SP008
```

```
00001 PROJECT DATA FILE NO P47SP075
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BARKLEY
10120 DETAIL:
10130 REPORT: STP 75
10200 XXXXX
10210 CUMBERLAND RIVER
10220 30.6
10230 44030 502
10300 XXXXX
10310 57
10320
10330
10340 800
10350 110
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 MG,MG
10460 VL
10500 XXXXX
10510 BARKLEY LOCK
10520 FIDELMAN
10530 STP-SAF
10540 TC159 US NO.75
10550 JUNE 1963
10560 SEPT 1958
10570 1:33.33
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 863-NA-241.6
11140
11150 SUBMERGENCE
11160 VERTICAL
11170
11200 XXXXX
11210 SIDEWALL
11220 APPROACH WALLS
11230
11240 XXXXX
11241 8 EACH WALL
11242 4 EA SIDE WALL NOSE
11243 RECT
11244
11250 XXXXX
11251 10.5
11252 15
11253 1260
11254 1260/256
11260 XXXXX
11261 85
11262 13
11263 884
11264 884/256
11870 XXXXX
11871 6.0 TO 8.8(SM+17.25)
11872 13
11873 448.5
11874 448.5/256
11875 17.25/16
11300 XXXXX
11310 118
11320 RECT
11330 80X13
11340 16X16
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,7.6 TO 9.3
11440 359,375
11450 302 TO 309
11460
12000 XXXXX
12100 XXXXX
12110 RTS
12120 16X16
12130 24
12140 297.5
12150
12160 WATER FEEDBACK LAT
12170 TOP SEAL GAP WIDTH
12200 XXXXX
12210 RECT
12220 16X16
12230 296
12240 280
12250 X
12260 X
12270 YES
12280 YES
12290 43 FT RTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 2 TO 10
12340 359,375
12350 302 TO 309
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 677
13120 RECT
13130 16X16
13140 256
13150 X
13160 X
13170
13200 XXXXX
13210 SPLIT BOT LAT
13220 XXXXX
13221 8 EACH SIDE
13222 QTR POINTS
13223 110
```

```
13284 84
13285 RECT
13286 8X5
13287 320 EA SIDE
13288 320/256
13289
13290 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 8 PR PER LAT
13242 SINGLE LINE
13243 RECT
13244 PORT EXTENSIONS
13250 XXXXX
13251 1.8
13252 2.1
13253 61.1
13254 61.1/40
13260 XXXXX
13261 1.8
13262 2.1
13263 X
13264 X
13265 20
13300 XXXXX
13310 F,E,S
13320 FB,FL,FR,EB,EL,ER
13330 S,2 TO 12
13340 359,375
13350 302 TO 375
13360 302
13370
14000 XXXXX
14100 XXXXX
14110 287
14120 LAT SYS RECESSED
14130 X
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 3 TO 9 BARGES
14212 C,O
14213 9
14214
14220 F,E
14230 FB,FL,FR,EB,EL,ER
14240 2 TO 18
14250 359,375
14260 302 TO 375
14270 302
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTS
```

```
15180 16X16
15130 84
15140 287.5
15150
15160
15170
15200 XXXXX
15210 RECT
15220 16X16
15230 296
15240 280
15250 X
15260 X
15270 YES
15280 X
15290 43 FT BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 3 TO 8.7
15340 349 TO 375
15350 302
15360
16000 XXXXX
16100 XXXXX
16110 135 TO 505
16120 SIDEWALL,CHANNEL BOT
16130 16X16
16140 32X10 TO 20X13
16150 DOWN
16160 1 HORIZ,2 VERT
16170
16200 XXXXX
16210
16220 IN/OUT APPROACH
16230 XXXXX
16231 8 TO 64 PER CULVERT
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 1.8 TO 4
16242 4.1 TO 20
16243 384-490 PER CULVERT
16244
16250 XXXXX
16251 1.8 TO 6.5
16252 4.2 TO 20
16253 10 TO 22
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 856-MA-298
16340 SHALLOW BASIN
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB
16430 8,3 TO 8.7
16440 349 TO 375
16450 302,383
16460
17000 END PROJ. DATA FILE NO. P478P075
```

Table 3

```
00001 PROJECT DATA FILE NO P48MP828
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: McALPINE
10120 DETAIL:  PROTOTYPE
10130 REPORT:  MP 2-628
10200 XXXXX
10210 OHIO RIVER
10220 604.4
10230 40377 190
10300 XXXXX
10310 37
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420
10430 BLC
10440
10450 MG,MG
10460 SG
10500 XXXXX
10610 McALPINE EMERG. GATE
10520 HUVAL
10530 WES
10540
10550 FEB 1964
10560 OCT 1961
10570 1:1 (PROTOTYPE)
10580 DETAIL
10590
11000 XXXXX
11100 XXXXX
11110 CANAL
11120
11130 MA-MA-1800
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410 LOWER-RANGE
11420 EMERG GATE
11430 ABOUT 0.75 FT PER MIN
11440 419
11450 385
11460 'VALVE' + 'GATE'
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210
13220 XXXXX
13221
13222
13223
```

Table 3

Table 3

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```
13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150 2-LEAF VERT LIFT
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220 LOWER-RAISE
14230 EMERG GATE
14240 ABOUT 0.75 FT PER MIN
14250 419
14260 385
14270
14280
14290 'VALVE' = 'GATE'
15000 XXXXX
15100 XXXXX
15110
```

```
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330 NA-NA-1500
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P4[illegible]
```

```
00001 PROJECT DATA FILE NO P49TR851
00002 DATE 02/18/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: MITER GATE FORCE
10120 DETAIL:
10130 REPORT:  TR 2-851
10200 XXXXX
10210 (PANAMA CANAL, OHIO RIVER)
10220 X
10230 X
10300 XXXXX
10310 X
10320 X
10330 X
10340 M:25 & 50; P1105 TO 200
10350 M:5.5 & 5.6; P140
10400 XXXXX
10410 X
10420 X
10430 X
10440 X
10450 MG
10460 X
10500 XXXXX
10510 MITER GATE FORCES
10520 GRACE,MURPHY,BROWN
10530 WES
10540
10550 JUN 1964
10560 VA
10570 1:20; 1:25; 1:28.33
10580 DETAIL
10590 MITER GATE FORCES; ALSO PROTOTYPE DATA
11000 XXXXX
11100 XXXXX
11110 X
11120 X
11130 X
11140 X
11150 X
11160 X
11170 X
11200 XXXXX
11210
11220
11230
11240
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11280 XXXXX
11281
11282
11283
11284
11870 XXXXX
11871
11872
11873
11874
11875
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13800 XXXXX
13810
13880 XXXXX
13881
13882
13883
```

Table 3

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```
13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 X
14120 X
14130 X
14140 OHIO, MOD OHIO, 4 PANAMA LINKAGES
14150 X
14160 X
14170 X
14180 LOCK CHAMBER LENGTH VARIED
14200 XXXXX
14210 XXXXX
14211 F (WIDTH)
14212 V (VARIED)
14213 0.45
14214
14220 OPEN, CLOSE
14230 BOTH LEAFS
14240 SYNCH, LAGGED
14250 1 TO 4, 82.5 & 73.16
14260 SAME AS POOL EL
14270 SAME AS POOL EL
14280 SAME AS POOL EL
14290 'VALVES' = 'GATES'; ALSO PROTOTYPE DATA
15000 XXXXX
15100 XXXXX
15110
```

```
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P49TR051
```

Table 3

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```
00001 PROJECT DATA FILE NO PS0P076
00002 DATE 02/15/68
10000 XXXXX
10100 XXXXX
10110 PROJECT: ST ANTHONY FALLS
10120 DETAIL:  STP 76
10130 REPORT:
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 L:853.4;U:853.8
10230 32853 700,700
10300 XXXXX
10310 LOWER:25;UPPER:49.2
10320
10330
10340 400
10350 56
10400 XXXXX
10410
10420
10430 L:BLC-1;U:BLC-I
10440
10450 L:TG,MG;U:MG,MG
10460 L:BO; U:TG
10500 XXXXX
10510 ST.ANTHONY FALLS LKS
10520 FIDELMANN&HARTIGAN
10530
10540
10550 TC159 US NO.76
10560 DEC 1964
10568 JULY 1957;PROT.1963
10570 1122.4,1117
10580 SYSTEM
10590 INCL PROTYPE TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 L:0.4 MI.;U:V.LONG
11130 M-N-476;105-N-1006
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 TOP OF SILL&SIDEWALL
11220 SILL&APPROACH WALLS
11230 L:14; U:16 TO 7
11240 XXXXX
11241 L:4;U:4,8 EA WALL
11242 SINGLE LINES
11243 RECT
11244
11250 XXXXX
11251 L:18; U:11.5,8
11252 L:18; U:16.75,10
11253
11254
11260 XXXXX
11261 L:8; U:8.6
11262 L:8; U:10.8
11263 L:856;U:880,884
11264 L:856/100;U:880/100+
11870 XXXXX
11871 8.75-4.75;8-5,8.75-+
11872 L:8; U:10.8
11873 L:18.6;U:147,800
11874 113/120;147/100,8.00
11875 14/18;14.7/10,8.0/10
11300 XXXXX
11310 L:100.123;U:95,115
11320 RECT
11330 8X12.5;10X18.5,16X8
11340 12X10;10X10,10X10
11350 L:HOR;2;U:DOWN
11360 1 HORIZ;1 HORIZ,1 VT
11370
11400 XXXXX
11410 L:F,S; U:F,S
11420 L:FR; U:FD,FR
11430 S,1-5;S,3.6-8.5
11440 L:750; U:790
11450 L:725; U:750
11460 SPILLWAY FLOW-PROTO.
12000 XXXXX
12100 XXXXX
12110 RT
12120 8X10,12X10;10X10
12130 U:10
12140 717.7,719;740.6
12150
12160
12170
12200 XXXXX
12210 RECT
12220 8X10,12X10;10X10
12230 715.8,716.8;738.6
12240 706.8,706.8;728.6
12250 X
12260 X
12270 YES
12280 YES
12290 36.43;48 BLKHD SPACE
12300 XXXXX
12310 L:F,S; U:F,S
12320 L:FR,1 U:FD,FR
12330 S,1-5,C;S,3.7-5.8,V
12340 L:750; U:790
12350 L:725-729;U:750-777
12360 X
12370 U:OPEN/SEALED
12380 L:TAINTER GATE FILL
13000 XXXXX
13100 XXXXX
13110 L:282.831;U:838.840
13120 RECT
13130 L:12X10;U:10X10(8)
13140 L:120; U:100
13150 L:8X10-12X10;U:X
13160 X
13170
13800 XXXXX
13810 LAU1ONE&INTL DOT LAT
13820 XXXXX
13821 L:8;U:8,7 EACH SIDE
13822 MIDDLE THIRD
13823 66
```

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13224 L181,18.3,U:18.5
13226 RECT
13228 L14.7X4,U13.5X5.8
13227 L1149,U1188.6,81.9
13228 149/180,189,98/100
13229
13230 XXXXX
13231 X
13232
13233 X X
13234
13235 X X
13236
13240 XXXXX
13241 7 PR PER LAT
13242 SINGLE LINES
13243 RECT
13244 PORT EXTENSIONS
13250 XXXXX
13251 L11.2; U11
13252 L11.5; U12
13253 L1186, U1186,140
13254 196/120,186,140/100
13260 XXXXX
13261 L11.2; U11
13262 L11.5; U12
13263 X
13264 X
13265 L118; U129.5
13300 XXXXX
13310 LIF,E.5; UIF,E.5
13320 FR,ER;FD,FL,FR,E(3)
13330 S,1-5,C;U15,1-7.5,V
13340 L1750; U1799
13350 L1725-750,U1750-799
13360 L1725; U1750,755
13370 LITAINTER GATE FILL
14000 XXXXX
14100 XXXXX
14110 L1711.8; U1735.3
14120 LAT SYS RECESSED
14130
14140 LITG,MG;UIMG,MG
14150 UISUB TAINTER GATE
14160
14170
14180 XXXXX
14200 XXXXX
14210 1,2,3 BARGES
14211 U,C,D
14213 9
14214
14220 LIF,E; UIF,E
14230 FR,ER;FD,FL,FR,E(3)
14240 L11-5; U11-7.5,WAR
14250 L1750; U199
14260 L1725-750,U1750-799
14270 L1725; U1750
14280
14290 LITAINTER GATE FILL
14900 XXXXX
15000 XXXXX
15110 RT
15120 L118X10;U:10X10
15130 U:18
15140 L1717.7;719;U1740.8
15150
15160
15170
15200 XXXXX
15210 RECT
15220 L118X10;U:10X10
15230 L1716.8; U1738.8
15240 L1706.8; U1728.8
15250 X
15260 X
15270 YES
15280 36,44;59 FT BTWN BLK
15300 XXXXX
15310 LIE,S; UIE,S
15320 LIER; UIED,EL,ER
15330 S,1-5,C;S,1.9-5.8,V
15340 750-741.5;799-775
15350 L1725; U1750,755
15360 LIBLKHD SLOT OPEN/C
16000 XXXXX
16100 XXXXX
16110 L161; U172
16120 RECT
16130 L112X10;U:10X10
16140 13-17X10;15X10,17X6
16150 L:DOWN; U:UP,DOWN
16160 X
16170
16200 XXXXX
16210 3&4 BOT LAT,SIDEWALL
16220 INSOUTSIDE APPROACH
16230 XXXXX
16231 7 PR/LAT;5,4 IN WALL
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 L11.2,1.4;U11.5,4.4
16242 L12.2,3;U13.5,10.6
16243 157.4,230;200,800,96
16244 157.4,230;120,200/100+
16250 XXXXX
16251 L11.2,1.4;U11.5,5.5
16252 L12.2,3;U13.5,10.6
16253 L120,19;U13.7-20.2
16260
16300 XXXXX
16310 POOL
16320 LIV.LONG;U10.4 MI.
16330 80-N-400;687-N-865
16340 BASIN OUTSIDE WALL
16350 X
16360
16400 XXXXX
16410 LIE,S; UIE,S
16420 LIER;UIED,EL,ER
16430 L18,1-5;U18,1-5.5,V
16440 780-741.5;1780-775
16450 L1785; U1750,755
16460
17000 END PROJ. DATA FILE NO. P0602076
```

```
00001 PROJECT DATA FILE NO PS1TR678
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: JONESVILLE
10120 DETAIL:
10130 REPORT:  TR 2-678
10200 XXXXX
10210 BLACK RIVER
10220 25
10230 21872 026
10300 XXXXX
10310 25
10320 30
10330
10340 600
10350 84
10400 XXXXX
10410
10420 RT
10430 SP
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 JONESVILLE LOCK
10520 OSWALT
10530 UES
10540
10550 JUN 1965
10560 MAR 1964
10570 1125
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 RIVER
11120 VERY LONG
11130 755-NA-215
11140 X
11150 SUBMERGENCE
11160 X
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD
11230 17
11240 XXXXX
11241 6
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 9
11252 11.5
11253 621
11254 621/100
11260 XXXXX
11261 6
11262 10
11263 360
11264 360/100
11270 XXXXX
11271 4.86 TO 1.58
11272 10
11273 150
11274 150/100
11275 15/10
11300 XXXXX
11310 131.3
11320 RECT
11330 10.41 X 10
11340 10 X 10
11350 DOWN
11360 2 HORIZ; 2 VERT
11370
11400 XXXXX
11410 F
11420 FB
11430 2
11440 34
11450 9
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 10 X 10
12130
12140
12150
12160 X
12170
12200 XXXXX
12210 RECT
12220 10 X 10
12230 -3
12240 -13
12250 X
12260 X
12270 YES
12280 YES
12290 50.5 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 2
12340 34
12350 9
12360 X
12370 OPEN
12380
13000 XXXXX
13100 XXXXX
13110 484
13120 RECT
13130 10 X 10
13140 100
13150 X
13160 2 HORIZ
13170
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 15 TO 19 EA SIDE
13242 31 TYPES TESTED
13243 RECT
13244
13250 XXXXX
13251 2
13252 3
13253 75 TO 95
13254 75/100 TO 95/100
13260 XXXXX
13261 3 + 1FT FLARE EA SIDE
13262 3 + 1FT TOP FLARE
13263 1:12
13264 X
13265 19
13300 XXXXX
13310 F S E
13320 FB,FR,EB,ER
13330 S,1,2,4,8
13340 44 TO 24
13350 44 TO 1
13360 9 TO 4
13370
14000 XXXXX
14100 XXXXX
14110 -13
14120 YES
14130 NO
14140 MG,MG
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 70 U X 195, 390, 585L
14212 C,U
14213 9
14214
14220 F,E
14230 FB,FR,EB,ER
14240 1,2,4,8
14250 44 TO 24
14260 44 TO 1
14270 9 TO 4
14280 14 TO 32
14290
15000 XXXXX
15100 XXXXX
15110 RT
```

```
15120 10 X 10
15130
15140
15150
15160 X
15170
15200 XXXXX
15210 RECT
15220 10 X 10
15230 -3
15240 -13
15250 X
15260 X
15270 YES
15280 YES
15290 50.5 FT BTUN BLKHDS
15300 XXXXX
15310 E
15320 E2
15330 2
15340 34
15350 9
15360
16000 XXXXX
16100 XXXXX
16110 75.3
16120 RECT
16130 10 X 10
16140 15 X 10
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 SIDEPORT
16220 INSIDE GUIDE/INSIDE GUARD
16230 XXXXX
16231 7
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 7
16243 196
16244 196/100
16250 XXXXX
16251 4
16252 7
16253 15
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 710-NA-170
16340 X
16350 1 ROW 10FT FROM WALL
16360 FLOOR RECESS BTWN WALL & BAFFLES
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. PS1TR078
```

```
00001 PROJECT DATA FILE NO PS2056-1
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: THE DALLES
10120 DETAIL:
10130 REPORT:  BHL 56-1
10200 XXXXX
10210 COLUMBIA RIVER
10220 192.0
10230
10300 XXXXX
10310 85
10320 90.5
10330 62.8
10340 675
10350 86
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 TG/MG
10460 N
10500 XXXXX
10510 THE DALLES LOCK
10520 WEBSTER & THEUS
10530 BHL
10540 TC 158 B6t NO. 56-1
10550 MAY 1965
10560 OCT 1957
10570 1:25
10580 SYSTEM; DETAIL
10590 STOP LOGS STUDIED
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1230-NA-635
11140
11150 SUBMERGENCE
11160 7 PIERS WITH RACKS
11170
11200 XXXXX
11210 SINGLE PORT
11220 OUTSIDE GUARD WALL
11230 120
11240 XXXXX
11241 1 PER CULVERT
11242 ADJACENT
11243 RECT
11244 IN DEEP PIT
11250 XXXXX
11251
11252
11253
11254
 1260 XXXXX
11261 12
11262 14
11263 168
11264 168/168
11870 XXXXX
11871 12
11872 14
11873 168
11874 168/168
11875 12/12
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 F
11420 FB,FL
11430 5.1,5,4.4,4; DELAY
11440 160
11450 69.5 TO 97.2
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 12 X 14
12130
12140
12150
12160
12170
12200 XXXXX
12210 RT
12220 12 X 14
12230 40
12240 26
12250 X
12260 X
12270 YES
12280 YES
12290 45 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 8.2 TO 11.2
12340 160
12350 97.2 TO 69.5
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 800
13120 RECT
13130 12 X 14
13140 168
1310 X
13160 3 HORIZ
13170 LOCATED BELOW CHMBER
13800 XXXXX
13810 BOTTOM LATERALS
13820 XXXXX
13821 7 EA SIDE
13822 CENTER THIRD
13823 88
```

Table 3

```
13824 19
13825 RECT
13826 18.5 X 12 ( TO 5.5 X 5.5 )
13827 1050
13828 1050/168
13829 ENTR IN CULVERT ROOF
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836 X
13840 XXXXX
13841 6 PR EA LAT
13842 SINGLE LINE
13843 RECT
13844
13850 XXXXX
13851 1.4
13852 4,3.1 & 1.8
13853 331.9
13854 331.9/168
13860 XXXXX
13861 2.4 (0.5 R OUTLET)
13862 4.5, 3.6, 2.3
13863 X
13864 X
13865 18.5
13900 XXXXX
13910 F,E
13920 FB,FL,EB,EL
13930 2.2 TO 11.2; DELAY
13940 160
13950 69.5 TO 160
13960 69.5 TO 97.2
13970
14000 XXXXX
14100 XXXXX
14110 54.5
14120 CULVERT SYSTEM RECESSED
14130 X
14140 TG; MG
14150 STOP LOGS
14160
14170
14180 SILL LOCATION
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220 F,E
14230 FB,FL,EB,EL
14240 2.2 TO 11.2; DELAY
14250 180
14260 69.5 TO 180
14270 69.5 TO 97.2
14280
14290 UPSTR LOCK GATE OR STOP LOGS
15000 XXXXX
15100 XXXXX
15110 RT
15120 18 X 14
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 18 X 14
15230 40
15240 26
15250 X
15260 X
15270 YES
15280 YES
15290 150 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 150
16120 RECT
16130 12 X 14
16140 12 X 14
16150 HORIZ
16160 2 HORIZ
16170
16200 XXXXX
16210 6 BOTTOM LATERALS
16220 APPROACH CHANNEL
16230 XXXXX
16231 6 PR EA LAT
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 1.6 TO 2.2
16242 4.7
16243 326.7
16244 326.7/168
16250 XXXXX
16251 2.1 TO 2.7
16252 5.2 (0.5 R OUTLET)
16253 17.5
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 NA-NA-1020
16340 X
16350 X
16360
16400 XXXXX
16410 E
16420 EB,EL
16430 2.2
16440 160
16450 69.5 TO 97.2
16460
17000 END PROJ. DATA FILE NO. PS8365-1
```

Table 3


```
00001 PROJECT DATA FILE NO PS3TR006
00002 DATE 08/19/86
10000 XXXXX                                                    11870 XXXXX
10100 XXXXX                                                    11871
10110 PROJECT: JACKSON                                         11872
10120 DETAIL: PROTOTYPE                                        11873
10130 REPORT: TR 2-695                                         11874
10200 XXXXX                                                    11875 XXXXX
10210 TOMBIGBEE RIVER                                          11300 XXXXX
10220 116.6                                                    11310 RECT      18.5 X 18.5
10230 15504 885                                                11330 18.5 X 18.5
10300 XXXXX                                                    11340 12.5 X 18.5
10310 34                                                       11350 DOWN
10320                                                          11360
10330 670                                                      11370 XXXXX
10340 110                                                      11400
10350 XXXXX                                                    11410
10400                                                          11420
10410                                                          11430
10420 RT                                                       11440 XXXXX
10430 SP                                                       11450 XXXXX
10440                                                          11460 RT        12.5 X 12.5
10450 MG,MG                                                    12000 XXXXX
10460 BU                                                       12100 XXXXX
10500 XXXXX                                                    12110 RT        12.5 X 12.5
10510 JACKSON LOCK PROTOTYPE                                   12120
10520 DAUSEY,HUVAL,BLANTON                                     12130
10530 WES                                                      12140
10540                                                          12150 HYDRAULIC
10550 AUG 1965                                                 12160
10560 OCT 1982                                                 12170
10570 111                                                      12200 XXXXX
10580 SYSTEM                                                   12210 RECT      12.5 X 12.5
10590                                                          12220 12.5      -5
11000 XXXXX                                                    12230 -17.5
11100 XXXXX                                                    12240
11110 POOL                                                     12250
11120 VERY LONG                                                12260
11130 770-NA-170                                               12270
11140                                                          12280
11150                                                          12290 XXXXX
11160                                                          12300
11170                                                          12310
11200 XXXXX                                                    12320
11210 SIDEWALL                                                 12330
11220 INSIDE GUIDE/INSIDE GUARD                                12340
11230 20.5                                                     12350
11240 XXXXX                                                    12360 XXXXX
11241 6 EA SIDE                                                13000 XXXXX
11242 SINGLE LINE                                              13100 XXXXX
11243 RECT                                                     13110
11244                                                          13120
11250 XXXXX                                                    13130
11251                                                          13140
11252                                                          13150
11253                                                          13160
11254                                                          13170
11260 XXXXX                                                    13200 XXXXX
11261                                                          13210 SIDEPORT
11262 12.5                                                     13220 XXXXX
11263                                                          13221
11264                                                          13222
```

Table 3


```
13224
13225
13226
13227
13228
13229
13230
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241 14 EA SIDE
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F(100 x 420)
14212 U
14213 7
14214 RIGID & CABLE CONNECTIONS
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110 TR
```

```
15120 12.5 X 12.5
15130
15140
15150
15160
15170
15200 XXXXX
15210 12.5 X 12.5
15220
-5
15230 -17.5
15240 X
15250 X
15260 YES
15270
15280
15290 XXXXX
15300
15310
15320
15330
15340
15350
15360 XXXXX
16000 XXXXX
16100
16110
16120
16130
16140
16150 DOWN
16160
16170
16200 XXXXX
16210
16220 OUTSIDE GUIDE WALL
16230 XXXXX
16231 2
16232 SIDE-BY-SIDE
16233 RECT
16240 XXXXX
16241 X
16242 X
16243 X
16244 X
16250 XXXXX
16251
16252 12.5
16253 15
16260
16300 XXXXXX
16310 RIVER
16320 VERY LONG
16330 642-MA-115
16340
16350
16360 XXXXX
16400
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P537M686
```

Table 3


```
00001 PROJECT DATA FILE NO PB41TR689
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BARKLEY
10120 DETAIL: OUTLET & GATE
10130 REPORT: TR 2-689
10200 XXXXX
10210 CUMBERLAND RIVER
10220 36.6
10230 44036 502
10300 XXXXX
10310 57
10320
10330
10340 800
10350 110
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 MG,MG
10460 VL
10500 XXXXX
10510 BARKLEY EMERG GATE
10520 MURPHY,CUMMINS
10530 WES
10540
10550 AUG 1965
10560 NOV 1959
10570 SITE 1:120, OUTLET 1:36, GATE 1:25
10580 DETAIL
10590 OUTLET & GATE
11000 XXXXX
11100 XXXXX
11110
11120
11130 863-NA-241.6
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11870 XXXXX
11871
11872
11873
11874
11875
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370 XXXXX
11400
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170 XXXXX
12200
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380 XXXXX
13000 XXXXX
13100
13110
13120
13130
13140
13150
13160
13170 XXXXX
13800
13810 XXXXX
13820
13821
13822
13823
```

```
13224
13225
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 287
14120
14130
14140 MG,MG
14150 VERTICAL LIFT
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214
14220 RAISE
14230 SINGLE GATE
14240 1-FT STEPS
14250 346 TO 369
14260 326 TO 367
14270 326 TO 367
14280 X
14290 'VALUE' + 'GATE'
15000 XXXXX
15100 XXXXX
15110
```

```
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130   ; 26 X 12
16140   ; 13 X 20
16150
16160
16170
16200 XXXXX
16210 SIDEWALL
16220 OUTSIDE GUIDE/OUTSIDE GUARD
16230 XXXXX
16231 8 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4; 4 & 2.5
16242 12; 20
16243
16244
16250 XXXXX
16251 6.5 ; 4
16252 12; 20
16253
16260
16300 XXXXX
16310
16320
16330 858-NA-298
16340
16350
16360
16400 XXXXX
16410 E
16480 ED
16430 VA
16440
16450 386 TO 330
16460 SPUV & PH DISCH
17000 END PROJ. DATA FILE NO. PS4TR889
```

```
00001 PROJECT DATA FILE NO PSSTR698
00002 DATE 08/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: HOLT
10120 DETAIL:
10130 REPORT:  TR 2-689
10200 XXXXX
10210 WARRIOR RIVER
10220 347
10230 15504 324
10300 XXXXX
10310 63.6
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 BLC
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 HOLT LOCK
10520 MURPHY, ABLES
10530 WES
10540
10550 NOV 1965
10560 DEC 1962
10570 1:25; 1:15
10580 SYSTEM DETAIL
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 678-NA-194
11140
11150
11160
11170
11200 XXXXX
11210 2 ADJACENT SINGLE PORTS
11220 OUTSIDE GUIDE WALL
11230 46.5
11240
11241 1 EA CULVERT
11242 SIDE-BY-SIDE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 18
11262 31
11263
11264
11270 XXXXX
11271 18.5; 18.5
11272 15.5; 21.9
11273
11274
11275
11300 XXXXX
11310
11320 RECT
11330 12.5X15.5; 12.5 X 21.9
11340 18.5 X 18.5
11350 DOWN
11360 HORIZ 90-DEG
11370
11400 XXXXX
11410 F
11420 FB
11430 4
11440 162,186.5
11450 122.9, 146
11460
12000 XXXXX
12100 XXXXX
12110 RTS, RTD
12120 12.5 X 12.5
12130 17
12140 116.5
12150
12160 2 6-T017-IM WITH ORIFICES
12170 RTD WITH & WITHOUT WATER INSIDE
12200 XXXXX
12210 RECT
12220 12.5 X 12.5
12230 115
12240 102.5
12250 X
12260 I U ON 84
12270 YES
12280 YES
12290
12300 XXXXX
12310 S
12320 F
12330 S (13 OPENINGS)
12340 186.5
12350 122.9
12360 CLOSED; VARIOUS ORIFICES
12370 YES
12380 VARIOUS DISCH
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 12.5 X 15.5
13140
13150 UPSTR EXP FROM 12.5 X 12.5; DNSTR CONTR TO 18.5 X 18.5
13160 X
13170
13200 XXXXX
13210 BOTTOM LATERAL
13220 XXXXX
13221 8 TO 14
13222 MID-THIRD; SPLIT
13223 110
```

```
13824 15 TO 21.7
13825 RECT (6X7)
13826 14X9 FACE; 6X5 THROAT
13827
13828
13829 INTERIOR DEFLECTORS AT PORT ENTRANCES
13830 XXXXX
13831 X
13832 X
13833 X
13834 LAT 6X5 TO 6X7
13835 X
13836
13840 XXXXX
13841 12,10 EA LAT
13842 AIRS(STAGGERED)
13843 RECT
13844 PORT EXTENSIONS & SILL
13850 XXXXX
13851 1.25; 1.5
13852 4.25; 5.1
13853
13854
13860 XXXXX
13861 1.25; 1.5
13862 4.25 ; 5.1
13863 X
13864 X
13865
13900 XXXXX
13910 F,E
13920 FB,FL,EB,EL
13930 S,2,4,8; NON-SYNCH
13940 186.5, 162
13950 122.9, 146
13960 122.9
13970 NON-LINEAR VALVE OPENING
14000 XXXXX
14100 XXXXX
14110 98 TO 108 (NATURAL SURFACE)
14120 EL 100.5 MAX
14130 'DNSTR' SIDE OF PORTS
14140 MG,MG
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U C D
14213 9
14214
14220 F,E,G
14230 FB,FL,EB,EL
14240 S,2,4,8; NON-SYNCH
14250 186.5; 162
14260 122.9; 186.5
14270 122.9
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 12.5 X 12.5
15130 17
15140 116.5
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12.5 X 12.5
15230 115
15240 102.5
15250 X
15260 X
15270 YES
15280 YES
15290
15300 XXXXX
15310
15320 EB,EL
15330 2; NON-SYNCH
15340 186.5
15350 122.9
15360
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 12.5 X 12.5
16140 12.5 X 12.5
16150 DOWN
16160 HORIZ 90-DEG
16170
16200 XXXXX
16210 2 ADJACENT OR SEPARATE PORTS
16220 OUTSIDE LOCK RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT OR SEPARATE (251FT)
16233 RECT
16240 XXXXX
16241 12.5
16242 12.5
16243
16244
16250 XXXXX
16251 16.5
16252 12.5
16253 24.9
16260 XXXXX
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 89-MA-630
16340 COMBINED & SEPARATE
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 2
16440 186.5
16450 182.5
16460
17000 END PROJ. DATA FILE NO. PSSTRSSB
```

```
00001 PROJECT DATA FILE NO PSGMP794
00002 DATE 02/18/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CULVER OUTLET
10120 DETAIL:  BASIN
10130 REPORT:  MP 8-794
10200 XXXXX
10210 X
10220 X
10230 X
10300 XXXXX
10310 X
10320 X
10330 X
10340 75
10350 25
10400 XXXXX
10410 X
10420 X
10430 X
10440 BASIN
10450 X
10460 X
10500 XXXXX
10510 LOCK CULVERT OUTLETS
10520 ABLES & BOYD
10530 WES
10540
10550 FEB 1966
10560 APR 1965
10570 1:25
10580 DETAIL
10590
11000 XXXXX
11100 XXXXX
11110 X
11120 X
11130 X
11140 X
11150 X
11160 X
11170 X
11200 XXXXX
11210 X
11220 X
11230 X
11240 XXXXX
11241 X
11242 X
11243 X
11244 X
11250 XXXXX
11251 X
11252 X
11253 X
11254 X
11260 XXXXX
11261 X
11262 X
11263 X
11264 X
11270 XXXXX
11271 X
11272 X
11273 X
11274 X
11275 X
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 X
12120 X
12130 X
12140 X
12150 X
12160 X
12170 X
12200 XXXXX
12210 X
12220 X
12230 X
12240 X
12250 X
12260 X
12270 X
12280 X
12290 X
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 X
13120 X
13130 X
13140 X
13150 X
13160 X
13170 X
13800 XXXXX
13810 X
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3


```
15100 X
15110 X
15090 XXXXX
14290 X
14280 X
14270 X
14260 X
14250 X
14240 X
14230 X
14220 X
14214 X
14213 X
14212 X
14211 X
14210 XXXXX
14200 XXXXX
14190 X
14180 XXXXX
14170 X
14160 X
14150 X
14140 X
14130 X
14120 X
14110 O X
14100 XXXXX
14090 XXXXX
13370 X
13360 X
13350 X
13340 X
13330 X
13320 X
13310 X
13300 XXXXX
13265 X
13264 X
13263 X
13262 X
13261 X
13260 XXXXX
13254 X
13253 X
13252 X
13251 X
13250 XXXXX
13244 X
13243 X
13242 X
13241 X
13240 XXXXX
13236 X
13235 X
13234 X
13233 X
13232 X
13231 X
13230 XXXXX
13229 X
13228 X
13227 X
13226 X
13224 X
16110 X
16120 X
16130 X
16140 X
16150 X
16160 X
16170 X
16180 X
16190 X
16200 XXXXX
16210 SINGLE OUTLET
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1
16232 90,65.0 DEG
16233 RECT
16240 XXXXX
16241 16
16242 18
16243
16244
16250 XXXXX
16251 22
16252 18
16253 VARIABLE
16260 SEE CANNELTON DESIGN
16300 XXXXX
16310 FLUME (RIVER)
16320 SHORT
16330 X
16340 BASIN OUTSIDE RIVER WALL
16350 X
16360 XXXX
16400 E
16410 X
16420 $ (OPEN)
16430 NEAR T.U.
16440 55 FT DEEP
16450 RIVER VELOCITY 4.0-8 FPS
16460 END PROJ. DATA FILE NO. PROGRAM
17000
15110 X
15100 XXXXX
15090 XXXXX
14290 X
14280 X
14270 X
14260 X
14250 X
14240 X
14230 X
14220 X
14214 X
14213 X
14212 X
14211 X
14210 XXXXX
14200 XXXXX
14190 X
14180 XXXXX
14170 X
14160 X
14150 X
14140 X
14130 X
14120 X
14110 O X
14100 XXXXX
14090 XXXXX
13370 X
13360 X
13350 X
13340 X
13330 X
13320 X
13310 X
13300 XXXXX
13265 X
13264 X
13263 X
13262 X
13261 X
13260 XXXXX
13254 X
13253 X
13252 X
13251 X
13250 XXXXX
13244 X
13243 X
13242 X
13241 X
13240 XXXXX
13236 X
13235 X
13234 X
13233 X
13232 X
13231 X
13230 XXXXX
13229 X
13228 X
13227 X
13226 X
13224 X
```

Table 3


```
00001 PROJECT DATA FILE NO PS77R713
00002 DATE 02/10/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CANNELTON
10120 DETAIL:  TR 2-713
10130 REPORT:
10200 XXXXX
10210 OHIO RIVER
10220 720.7
10230 40260 006
10300 XXXXX
10310 26
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420
10430 BLC/SP
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 CANNELTON MAIN LOCK
10520 ABLES; BOYD
10530 WES
10540
10550 FEB 1966
10560 JUL 1964
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 NA-NA-600/1200-75-NA
11140 X
11150 SUBMERGENCE
11160 X
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE; INSIDE GUARD
11230 19
11240 XXXXX
11241 8 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11260 XXXXX
11261 8.52 TO 9.37
11262 21
11263 1484.49
11264 1484.49/288
11300 XXXXX
11261 6.52 TO 8.37
11262 18
11263 840.42
11264 840.42/288
11270 XXXXX
11271 8 TO 4.75
11272 18
11273 384.56
11274 384.56/288
11275 81.88/16
11300 XXXXX
11310 140
11320 RECT
11330 16 X 18
11340 16 X 18
11350 DOWN
11360 2 VERT; 1 HORIZ
11370
11400 XXXXX
11410 F,S
11420 FB
11430 4,S
11440 386
11450 380
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 16 X 18
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 16 X 18
12230 350
12240 332
12250 X
12260 X
12270 YES
12280 YES
12290 92 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 2,4,6,8; CLOSURE
12340 306 TO 410
12350 350 TO 370
12360
12370 CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 1035
13120 RECT
13130 16X18; 13.3X18; 11.8X18
13140 288,840,813
13150
13160
13170
13200 XXXXX
13210 SIDEWALL PORTS
13220 XXXXX
13221 X
13222 X
13223 X
```

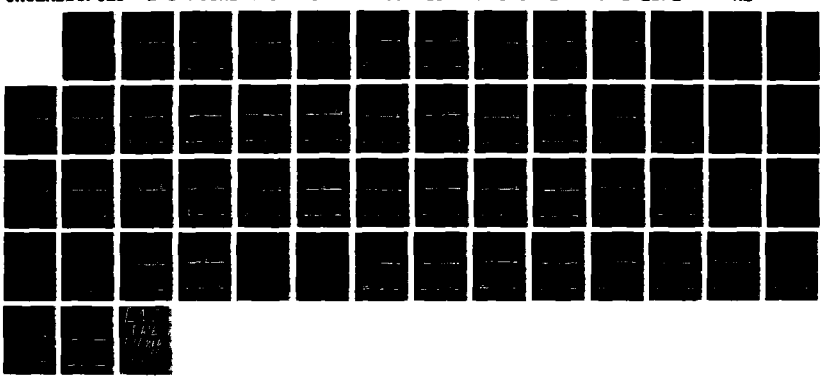
```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 23 TO 31 EA SIDE
13242 104 TYPES TESTED
13243 RECT
13244 TYPE C HAS INSIDE RECECC; B,C & D ANGLES
13250 XXXXX
13251 2.75; 2.4; 2.33
13252 4.07; 3.5; 3.5
13253
13254
13260 XXXXX
13261 3.69; 3.35; 2.4
13262 4.70; 3.5; 3.5
13263 3 DEG EA SIDE
13264 A-D 0.62 ON 9 EXPANS
13265
13300 XXXXX
13310 F,S,E
13320 FB,FL,EB
13330 2,4,6,8,S
13340 370 TO 410
13350 350 TO 410
13360 350 TO 370
13370
14000 XXXXX
14100 XXXXX
14110 330
14120 X
14130 12 TYPES OF DEFLECTORS
14140 RG,RG
14150
14160 X
14170 X
14180 CHAMBER FLOOR 2 FT BELOW CULVERT INVERT
14200 XXXXX
14210 XXXXX
14211 F,H,O
14212 U,C,D
14213 6,9,12
14214
14220 F,E,S
14230 FB,FL,EB
14240 2,4,6,8,S
14250 370 TO 410
14260 350 TO 410
14270 350 TO 370
14280 20 TO 40
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 16 X 18
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 16 X 18
15230 340
15240 322
15250 X
15260 X
15270 YES
15280 YES
15290 63 & 280 FT BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 2,4; CLOSURE
15340 386 TO 410
15350 360
15360
16000 XXXXX
16100 XXXXX
16110 50
16120 RECT
16130 16 X 18
16140 16 X 18
16150 HORIZ
16160 1 90 DEG HORIZ EA CONDUIT
16170
16200 XXXXX
16210 SINGLE PORT OUTLETS
16220 OUTSIDE LANDWALL
16230
16231 1 EA CONDUIT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 16
16242 18
16243
16244
16250 XXXXX
16251 22
16252 18
16253 20
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 NA-NA-150/1200-75-NA
16340 RECESSED BOX
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 4
16440 388
16450 380
16460
17000 END PROJ. DATA FILE NO. PS7TR713
```

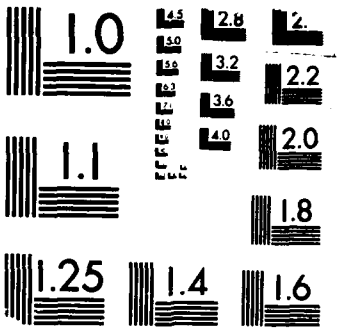
Table 3

```
00001 PROJECT DATA FILE NO PSBTR718
00002 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MILLERS FERRY
10120 DETAIL:  AND JONES BLUFF
10130 REPORT:  TR 2-718
10200 XXXXX
10210 ALABAMA RIVER
10220 142.3/245.4
10230 15500 133/15500 236
10300 XXXXX
10310 48 / 45
10320
10330
10340 655 / 655
10350 84 / 84
10400 XXXXX
10410
10420 RT
10430 HB4 / HB4
10440
10450 MG,MG / MG,MG
10460 BU / BU
10500 XXXXX
10510 MILLERS FERRY & JONES BLUFF
10520 ABLES; BOYD
10530 WES
10540
10550 MAR 1966
10560 AUG 1964
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 657-MA-110/657-MA-159
11140 X
11150 SUBMERGENCE
11160 X
11170
11200 XXXXX
11210 2 SINGLE PORTS
11220 OUTSIDE RIVER WALL
11230 40
11240 XXXXX
11241 1 EA CULVERT
11242 ADJACENT
11243 RECT
11244
11250 XXXXX
11251 21
11252 28
11253 546
11254 546/100
11260 XXXXX
11261 15
11262 15
11263 225
11264 225/100
11270 XXXXX
11271 10
11272 15
11273 150
11274 150/100
11275 10/10
11300 XXXXX
11310 200,90
11320 RECT
11330 10 X 15
11340 10 X 10
11350 DOWN
11360 1 HORIZ 90 DEG EA SIDE
11370
11400 XXXXX
11410 F,S
11420 FB
11430 2,S
11440 10 TO 80
11450 32 TO 49
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 10 X 10
12130
12140 27.5
12150
12160 1 12-IN-D
12170
12200 XXXXX
12210 RECT
12220 10 X 10
12230 26
12240 16
12250 X
12260 X
12270 YES
12280 YES
12290 56 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 2,4,8; CLOSURE
12340 77.80
12350 32
12360 0,1.5,3,6,12 IN.
12370 CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 395
13180 RECT
13130 10 X 10; 10 X 15.75
13140 100; 157.5
13150 EXP & CONTR(1:8)
13160 X
13170
13200 XXXXX
13810 LONG FLOOR CULVERT
13820 XXXXX
13881 4 LONGS
13882 2 UPSTR, 2 DNSTR
13883 86 TO 240
```

```
13084 QTR POINTS
13085 RECT
13086 8.5 X 7
13087 8380
13088 8380/100
13089
13230 XXXXX
13231 17 X 7
13232 X
13233 X
13234 X
13235 X
13236 END CULVERT ACROSS LONG LONGITUDINALS
13240 XXXXX
13241 3.5 TO 14 PR PER LONG
13242 SINGLE LINE CULVERT SIDES
13243 RECT
13244 INTERIOR DEFLECTORS
13250 XXXXX
13251 1.25
13252 4
13253
13254
13260 XXXXX
13261 1.625
13262 4
13263 X
13264 X
13265 19.5
13300 XXXXX
13310 F,E,S
13320 FB,FL,FR,EB,ER
13330 1,2,4,8,S; CLOSURE
13340 70 TO 96
13350 32 TO 96
13360 32 TO 38
13370
14000 XXXXX
14100 XXXXX
14110 18
14120 SYSTEM RECESSED 9.5 FT
14130 PORT DEFLECTORS, DIVIDING WALL
14140 RG,RG
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D
14213 9
14214
14220 F,E,S
14230 FB,FL,FR,EB,ER
14240 1,2,4,8,S
14250 70 TO 96
14260 32 TO 96
14270 32 TO 38
14280 14 TO 20
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 10 X 10
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 10 X 10
15230 26
15240 16
15250 X
15260 X
15270 YES
15280 YES
15290 52 FT BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 2
15340 80,77
15350 32
15360
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 10 X 10
16140
16150 DOWN
16160 1 HORIZ 90 DEG EA SIDE
16170
16200 XXXXX
16210 2 SINGLE PORTS
16220 OUTSIDE RIVERWALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 10
16242 10
16243 100
16244 100/100
16250 XXXXX
16251 14
16252 10
16253 17
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 80-NA-618/165-NA-615
16340 RECESSED BOX
16350 X
16360
16400 XXXXX
16410 E
16420 EB
16430 8
16440 80,77
16450 38
16460
17000 END PROJ. DATA FILE NO. PSSTR718
```

AD-A193 551 LOCK HYDRAULIC SYSTEM MODEL AND PROTOTYPE STUDY DATA; 4/4
CORPS OF ENGINEERS..(U) ARMY ENGINEER WATERWAYS
EXPERIMENT STATION VICKSBURG MS HYDRA..
UNCLASSIFIED E B PICKETT ET AL. MAR 88 WES/MP/HL-88-1 F/G 13/2 NL





MICROCOPY RESOLUTION TEST CHART
BUREAU OF STANDARDS-1963-A

```
00001 PROJECT DATA FILE NO PSGTR734
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: GREENUP
10120 DETAIL:  PROTOTYPE
10130 REPORT:  TR 2-734
10200 XXXXX
10210 OHIO RIVER
10220 341
10230
10300 XXXXX
10310 30
10320
10330
10340 1200; 600
10350 110; 110
10400 XXXXX
10410
10420
10430 BLC-5; BLC-1
10440
10450 MG,MG; MG,MG
10460 VL, VL
10500 XXXXX
10510 GREENUP PROTOTYPE
10520 SMITH, YATES
10530 WES
10540
10550 JUL 1966
10560 SEP 1963
10570 1:1 (1" 3:100 MODEL)
10580 SYSTEM
10590 PROTOTYPE TESTS & MODEL DATA
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 1348-148-MA/MA-298-680
11140
11150 SUBMERGENCE
11160 SCREENS
11170
11200 XXXXX
11210 SIDEWALL
11220 OUTSIDE RIVER & INTERMED WALLS
11230 14
11240 XXXXX
11241 8
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262 18
11263
11264
11270 XXXXX
11271
11272 18
11273
11274
11275
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410
11420
11430
11440
11450
11460 MODEL DATA SHOWN
12000 XXXXX
12100 XXXXX
12110 RT
12120 16 X 18
12130 26
12140
12150 HYDR U/BELL CRANK
12160 X
12170
12200 XXXXX
12210 RECT
12220 16 X 18
12230 481
12240 483
12250 X
12260 X
12270 YES
12280 YES
12290 84 FT BTUN BLKHDS
12300 XXXXX
12310 F
12320 FB,FL,FR
12330 2,4,8; NON SYNCH
12340 516
12350 484
12360 X
12370
12380 MODEL DATA SHOWN
13000 XXXXX
13100 XXXXX
13110 300 R; 740 I
13120 RECT
13130 16 X 18
13140 288
13150 X
13160 X
13170
13200 XXXXX
13210 SPLIT LATERAL
13220 XXXXX
13221 11 EA SECTION
13222 CTRD AT QTR PTS
13223 110
```

```
13224 84
13225 RECT
13226 8 X 5
13227 440
13228 440/288
13229
13230 XXXXX
13231
13232
13233
13234 8 X 5 TO 8 X 5.5
13235
13236
13240 XXXXX
13241 9 PR PER LAT
13242 SINGLE LINE EA SIDE
13243 RECT
13244 SOME PORT EXTENSIONS
13250 XXXXX
13251 1.8
13252 2
13253 64.8
13254 64.8/44
13260 XXXXX
13261 2.8
13262 3
13263 X
13264 X
13265 0.5 FT RAD FLARE
13300 XXXXX
13310 F,E
13320 FB,FL,FR,EB,EL
13330 2,4,8; NON SYNCH
13340 515
13350 484,515
13360 484
13370 MODEL DATA SHOWN
14000 XXXXX
14100 XXXXX
14110 462
14120 X
14130 X
14140 MG,MG
14150 UL
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14215 X
14220 X
14230 X
14240 X
14250 X
14260 X
14270 X
14280 X
14290 X
15000 XXXXX
15100 XXXXX
```

```
15110 RT
15120 16 X 18
15130 86
15140
15150 HYDR U/BELL CRANK
15160 X
15170
15200 XXXXX
15210 RECT
15220 16 X 18
15230 481
15240 463
15250 X
15260 X
15270 YES
15280 YES
15290 90 DEG BEND (LEFT)
15300 XXXXX
15310 E
15320 EB,EL
15330 4,8; NON SYNCH
15340 515
15350 484
15360 MODEL DATA SHOWN
16000 XXXXX
16100 XXXXX
16110 40 L; 80 R
16120 RECT
16130 16 X 18
16140 22 X 18
16150 HORIZ
16160 30 DEG HORIZ
16170
16200 XXXXX
16210 SINGLE PORT OUTLETS
16220 MID- & DNSTR- R WALL
16230 XXXXX
16231 1 EA CULVERT
16232 SEPARATED
16233 RECT
16240 XXXXX
16241 16
16242 18
16243 288
16244 288/288
16250 XXXXX
16251 22
16252 18
16253 14
16260 XXXXX
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 1170-120-NA/NA-570-190
16340 RECESSED BASINS
16350 X
16360
16400 XXXXX
16410 E
16420 E
16430 4, U/LAG
16440 515
16450 483
16460
```

```
00001 PROJECT DATA FILE NO P80TR739
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CORDELL HULL
10120 DETAIL:
10130 REPORT:  TR 2-739
10200 XXXXX
10210 CUMBERLAND RIVER
10220 313.5
10230 44313 506
10300 XXXXX
10310 59
10320 62
10330
10340 400
10350 84
10400 XXXXX
10410
10420 RT
10430 SP (MULTIPORT)
10440
10450 MG,MG
10460 P
10500 XXXXX
10510 CORDELL HULL LOCK
10520 OSWALT, BOYD
10530 WES
10540
10550 SEP 1966
10560 FEB 1965
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 543-MA-284.3
11140 X
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUARD/OUTSIDE GUIDE WALLS
11230 39
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 6.5
11252 13
11253 338
11254 338/100
11260 XXXXX
11261 5.5
11262 12
11263 264
11264 264/100
11270 XXXXX
11271 5.0 TO 8.33
11272 18
11273 148
11274 148/100
11275 12.33/10
11300 XXXXX
11310 148
11320 RECT
11330 10 X 12
11340 10 X 10
11350 DOWN
11360 2 VERT EA SIDE
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 NO INTAKE OBSERVATIONS
12000 XXXXX
12100 XXXXX
12110 RT
12120 10 X 10
12130
12140
12150
12160 3.5,4,6,8,10,12 IN. D.
12170
12200 XXXXX
12210 RECT
12220 10 X 10
12230 434
12240 424
12250 X
12260 ROOF 3 ON 24
12270 YES
12280 YES
12290 34 FT BTUN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 4 MIN
12340 504
12350 442
12360 VARIED OPENINGS
12370 SEALED
12380
13000 XXXXX
13100 XXXXX
13110 282
13120 RECT
13130 10 X 10; 10 X 13; 10 X 10
13140 100; 130; 100
13150 EXP/CONTR
13160 4 HORIZ
13170
13200 XXXXX
13210 SIDEWALL & MULTIPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 89 TO 273 CIRC; 16 RECT
13242 SIDEWALL TRENCH
13243 CIRC, RECT
13244 DEFL & DIVIDERS WITH RECT PORTS
13250 XXXXX
13251 8,10,12,14 IN. DIA.; 2 FT
13252 NA; 3 FT
13253
13254
13260 XXXXX
13261 2-IN FLARE
13262 2-IN FLARE
13263 X
13264 X
13265 14
13300 XXXXX
13310 FE
13320 FB,FL,EB,EL
13330 2,4,8; 1.5,3,6
13340 482 TO 514
13350 442,504
13360 442
13370
14000 XXXXX
14100 XXXXX
14110 428
14120 TRENCH EA SIDE
14130 X
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D
14213 9
14214
14220 F,E
14230 FB,FL,EB,EL
14240 2,4,8; 1.5,3,6 MIN
14250 482 TO 514
14260 442 TO 504
14270 442
14280 14
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 10 X 10
15130
15140
15150
15160 ONE 8 IN. D.
15170
15200 XXXXX
15210 RECT
15220 10 X 10
15230 437
15240 427
15250 X
15260 X
15270 YES
15280 YES
15290 40 FT BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 1.5 MIN
15340 504
15350 442
15360
16000 XXXXX
16100 XXXXX
16110 L 175; R 105
16120 RECT
16130 10 X 10
16140 10 X 10
16150 DOWN
16160 1 HORIZ; 2 VERT
16170
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241 10
16242 10
16243 100
16244 100/100
16250 XXXXX
16251 15
16252 6.25
16253 10
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 414-NA-138
16340 FLARED RAMPS
16350 X
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 NO OUTLET OBSERVATIONS
17000 END PROJ. DATA FILE NO. PB87R739
```

```
00001 PROJECT DATA FILE NO P61TR743
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: ARK R LOW-LIFT
10120 DETAIL:
10130 REPORT:  TR 2-743
10200 XXXXX
10210 ARKANSAS RIVER
10220 15 LOCATIONS
10230 64013 - 212 (LOCK 2)
10300 XXXXX
10310 14 TO 30 (162-142-20)
10320 50 (IN MODEL)
10330 10 (IN MODEL)
10340 670
10350 110
10400 XXXXX
10410 GID & GRD WALL PORTS
10420 RTS
10430 SP
10440 XXXXX
10450 MG, MG
10460 BFC
10500 XXXXXX
10510 ARK. R. LOW-LIFT LOCKS
10520 ABLES, BOYD
10530 WES
10540 XXXXXX
10550 NOVEMBER 1966
10560 DECEMBER 1954
10570 1:25
10580 SYSTEM
10590 MODELED LOCK 2 (162-142-20 FT LIFT)
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 307-NA-438
11140 X
11150 SUBMERGENCE
11160 X
11170 4 PLANS TESTED GUARD WALL FLARED
11200 XXXXX
11210 TWO SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD
11230 10 TO 18
11240 XXXXX
11241 8 (ALSO 6)
11242 1 LINE 12.5-FT CTR
11243 RECT
11244 XXXXX
11250 XXXXX
11251 10.5
11252 11.6
11253 966
11254 966/144
11260 XXXXX
11261 7.5
11262 10
11263 600
11264 600/144
11270 XXXXX
11271 1.74 TO 5.10 (U=88.78)
11272 10
11273 188.88
11274 188.88/144
11275 82.78/18
11300 XXXXX
11310 91
11320 RECT
11330 12 X 12
11340 12 X 12
11350 DOWN (1:6)
11360 VERT-2, HORIZ-2
11370 XXXXX
11400 XXXXX
11410 F, S
11420 FB
11430 2, 4, 5
11440 DES, +13, -6
11450 DES, +10, -16
11460 XXXXX
12000 XXXXXX
12100 XXXXX
12110 RTS
12120 12 X 12
12130 VA
12140 VA
12150 HYDRAULIC
12160 X
12170 TEST VALUE ON LEFT
12200
12210 RECT
12220 12 X 12
12230 137
12240 125
12250 X
12260 X
12270 YES
12280 YES
12290 LENGTH 55 BTUN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 2, 4, 6, 8
12340 DES, +23, -3
12350 DES, +11, -3
12360 X
12370 VA
12380
13000 XXXXX
13100 XXXX
13110 496 BTUN BLKHDS
13120 RECT
13130 12 X 12
13140 144
13150 X
13160 HORIZ-2
13170
13200 XXXXX
13210 SP
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3

```
13284 X
13285 X
13286 X
13287 X
13288 X
13289 X
13290 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 9 TO 18
13242 74 PLANS TESTED
13243 RECT
13244 VARIED SPACINGS ALSO ANGLED PORTS
13250
13251 2.17, 1.65
13252 3.0 TO 5.0
13253 VARIES
13254 1.11 TO 0.74
13260 XXXXX
13261 3.33, 2.99
13262 3.0 TO 5.0
13263 EXP
13264 X
13265 12 TO 14 (LOCK 2)
13300 XXXXX
13310 F, E, S
13320 FL, FB, EB
13330 1, 2, 4, 6, 8, S
13340 DES,+25, -13
13350 DES, +53, -3
13360 DES, +23, -3
13370
14000 XXXXX
14100 XXXXX
14110 125 (LOCK 2)
14120 2 DESIGNS
14130 X
14140 NO
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 FULL, HALF
14212 UPSTR, CTR, DNSTR
14213 9
14214
14220 FE
14230 FL, FB, EB
14240 1, 2, 4, 6, 8
14250 DES, +53, -13
14260 DES, +25, -3
14270 DES, +23, -3
14280 14 TO 40
14290
15000 XXXXX
15100 XXXXX
15110 RTS
15120 12 X 12
15130 VA
15140 VA
15150 HYDRAULIC
15160 X
15170
15200 XXXXX
15210 RECT
15220 12 X 12
15230 137
15240 125
15250 X
15260 X
15270 YES
15280 YES
15290 LENGTH 55 BTWN BLKHDS
15300 XXXXX
15310 E
15320 EB
15330 2
15340 DES, +13, -3
15350 DES, +3, -3
15360
16000 XXXXX
16100 XXXXX
16110 77
16120 RECT
16130 12 X 12
16140 18.35X12
16150 HORIZ
16160 HORIZ-1
16170
16200 XXXXX
16210 TWO SIDE WALL
16220 INSIDE GUIDE/INSIDE GUARD
16230 XXXXX
16231 8
16232 1 LINE, 9.5-FT-CTRS
16233 RECT
16240 XXXXX
16241 4.5
16242 7
16243 252
16244 252/144
16250 XXXXX
16251 4.5
16252 7
16253 10 (LOCK 2)
16260
16300 XXXXX
16310 RIVER/POOL
16320 LONG
16330 179-MA-369
16340 MANIFOLD
16350 1 ROW EA SIDE
16360 GUARD WALL FLARED
16400 XXXXX
16410 E
16420 EB
16430 8
16440 DES, +13, -3
16450 DES, +3, -3
16460
17000 END PROJ. DATA FILE NO. PB1TR743
```

Table 3

```
00001 PROJECT DATA FILE NO PGSTR778
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: McALPINE
10120 DETAIL:
10130 REPORT:  TR 2-778
10200 XXXXX
10210 OHIO RIVER
10220 604.4
10230 40377 190
10300 XXXXX
10310 37
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 SG
10500 XXXXX
10510 McALPINE LOCK
10520 ABLES; MURPHY
10530 WES
10540
10550 MAY 1967
10560 JAN 1961
10570 1125
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110
11120
11130 1100-NA-NA
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE MG RECESSES
11230 13.75
11240 XXXXX
11241 6 OR 3 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262 6.25
11263
11264
11270 XXXXX
11271
11272 8.25
11273
11274
11275
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 F,S
11420 FB
11430 S,1,2,4,8,12
11440 420
11450 390,398,383
11460
12000 XXXXX
12100 XXXX
12110 STONEY (UL)
12120
12130 X
12140 X
12150
12160 3 TO 7 ALONG CULVERT
12170
12200 XXXXX
12210
12220
12230 409.8
12240 397.1
12250
12260
12270 X
12280 X
12290
12300 XXXXX
12310 S
12320 FB
12330 S
12340 420
12350 390,398
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110 502
13120 CIRC
13130 18.7 D
13140
13150
13160 HORIZ,VERT
13170 3 TO 7 AIR VENTS
13000 XXXXX
13210 SIPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3


```
13824 X
13826 XX
13828 XX
13827 XX
13828 XX
13829 XXXXX
13831 XX
13832 XX
13833 XXX
13834 XXX
13835 XXX
13836 XXXXX
13840 10 TO 20
13241 UPSTR HALF; FULL LENGTH
13242 RECT
13243 DOWN SLOPE & HORIZ
13244 XXXXX
13250 5
13251 3.25,3.83
13252
13253
13254
13260 XXXXX
13261 5,7
13262 3.25
13263 X X
13264
13265 6.5
13300 XXXXX
13310 F,E,S
13320 FB,EB
13330 5,1,2,4,8,12
13340 420,422
13350 383 TO 420
13360 383,385
13370 PROTOTYPE FILLING CURVES
14000 XXXXX
14100 XXXXX
14110 371
14120 X
14130 X
14140 MG,MG
14150
14160 X
14170 X X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 V,C,D
14213 9
14214
14220
14230 F,E,S
14240 5,1,2,4,8,12
14250 420,422
14260 383 TO 420
14270 383,386
14280 12
14290
15000 XXXXX
15100 XXXXX
15110 STONEY (VL)
15120 X
15130 X
15140 X
15150 X
15160 X
15170 XXXXX
15200
15210
15220 384.7
15230 372
15240
15250
15260 X
15270 X
15280
15290 XXXXX
15300
15310 5
15320 EB
15330 5
15340 410,415
15350 383
15360
15370
15380 XXXXX
16000 XXXXX
16100 57
16110 CIRC
16120 12.7D
16130 12.7D
16140 HORIZ
16150 2 HORIZ
16160
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE GUARD/INSIDE GUIDE WALLS
16230 XXXXX
16231 6 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 6.25
16243
16244
16250 XXXXX
16251 4
16252 6.25
16253 4.75
16260 XXXXX
16300 XXXXX
16310
16320
16330 1100-MA-MA
16340 X
16350 X
16360
16370
16400 XXXXX
16410 6
16420 EB
16430 5
16440 410,415
16450 383
16460
17000 END PROJ. DATA FILE NO. P0877778
```

```
00001 PROJECT DATA FILE NO PB3W6804
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: NEWBURGH
10120 DETAIL:  VALVE POSITION
10130 REPORT:  TR H-68-4
10200 XXXXX
10210 OHIO RIVER
10220 776.1
10230 40204 906
10300 XXXXX
10310 33
10320
10330
10340 1200
10350 110
10400 XXXXX
10410
10420
10430 BLC
10440
10450 MG,MG
10460 BO
10500 XXXXX
10510 NEWBURGH VALVE POSITION
10520 FARRELL; ABLES
10530 UES
10540
10550 SEP 1968
10560 FEB 1967
10570 1:25
10580 DETAIL
10590 SEE CANNELTON; UES TR 2-713
11000 XXXXX
11100 XXXXX
11110
11120
11130 1300-100-600
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 14 X 16
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 14 X 16
12230 315
12240 311
12250 X
12260 X
12270 YES
12280
12290
12300 XXXXX
12310 F
12320 FB
12330 1,8,4,8
12340 356 TO 391
12350 336 TO 351
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 14 X 16
13140
13150
13160
13170 DISTANCE FROM VALVE TO FIRST PORT
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13881 X
13882 X
13883 X
```

```
13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 24 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 2-FT-R INTAKES; 1-FT-R OUTLETS
13250 XXXXX
13251 2.34
13252 3.64
13253
13254
13260 XXXXX
13261 3.23
13262 4.58
13263 SIDES
13264 BOTTOM
13265 22
13300 XXXXX
13310 F
13320 FB
13330 2,4,8
13340 356 TO 391
13350 336 TO 351
13360 X
13370
14000 XXXXX
14100 XXXXX
14110 311
14120 X
14130 PORT DEFLECTORS
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F
14212 C
14213
14214
14220 F
14230 FB
14240 248
14250 356; 391
14260 336;351
14270 X
14280 30
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 14 X 16
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330 1800-100-200
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P63H6804
```

```
00001 PROJECT DATA FILE NO P64HE906
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: DARDANELLE
10120 DETAIL:
10130 REPORT:  TR H-69-5
10200 XXXXX
10210 ARKANSAS RIVER
10220 205
10230 64205 412
10300 XXXXX
10310 54
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 HB4
10440
10450 MG,MG
10460 BFC
10500 XXXXX
10510 DARDANELLE LOCK
10520 ABLES; BOYD
10530 WES
10540
10550 APR 1969
10560 AUG 1967
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 792-MA-285
11140
11150
11160
11170 SEE INTAKE TESTS; WES TR 2-573
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11276
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 14.5 X 13
12130
12140
12150 HYDRAULIC
12160 YES
12170
12200 XXXXX
12210 RECT
12220 14.5 X 13
12230 276
12240 263
12250 X
12260 X
12270 YES
12280 YES
12290 WATER VENT; 48.5 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB,FR
12330 1,2,4,8
12340 338
12350 284
12360
12370
12380 WATER VENT
13000 XXXXX
13100 XXXXX
13110 366.5
13120 RECT
13130 14.5 X 13
13140 188.5
13150 18.5 X 14 AT CROSSOVER
13160 X
13170 X
13200 XXXXX
13210 LONG FLOOR CULVERT
13300 XXXXX
13301 4 LONGS
13302 8 UPSTR; 8 DNSTR
13303 167
```

```
13224 QTR POINTS
13225 RECT
13226 15 X 8 & 5 FT RAD ON SIDES
13227 480
13228 480/188.5
13229
13230 XXXXX
13231 TWO 15 X 8
13232 X
13233 X
13234 X
13235
13236 15 ENTRANCE TYPES
13240 XXXXX
13241 7 TO 10 PR PER LONG
13242 SINGLE LINE LONG SIDES
13243 RECT
13244
13250 XXXXX
13251 1.57
13252 5,4,3.5
13253
13254
13260 XXXXX
13261 2.07 (0.5 FT R FLARE)
13262 5.25,4.25,3.75 (0.25 FT R TOP FLARE)
13263 X
13264 X
13265 30 TO 31.5
13300 XXXXX
13310 F,E
13320 FB,FR,EB,ER
13330 1,2,4,8
13340 338
13350 284,338
13360 284
13370
14000 XXXXX
14100 XXXXX
14110 263 TO 264
14120 SYSTEM RECESSED 4 FT
14130 WALL & FLOOR
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 V,C,D
14213 9
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 14.5 X 13
15130
15140
15150 HYDRAULIC
15160 X
15170
15200 XXXXX
15210 RECT
15220 14.5 X 13
15230 276
15240 263
15250 X
15260 X
15270 YES
15280 YES
15290 58 FT BTWN BLKHDS
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 14.5 X 13
16140
16150
16160 HORIZ 90 DEG
16170
16200 XXXXX
16210
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 670-MA-107
16340 BASIN
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P64H8006
```

```
00001 PROJECT DATA FILE NO P8SH7008
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BAYOU BOEUF
10120 DETAIL:  SECTOR GATE
10130 REPORT:  TR H-70-2
10200 XXXXX
10210 INTRACOSTAL WATERWAY
10220 93.3
10230 66093 306
10300 XXXXX
10310 11
10320 -1 TESTED
10330 -18 TESTED
10340 1158
10350 75
10400 XXXXX
10410
10420
10430 SG
10440
10450 SG.SG
10460
10500 XXXXX
10510 SECTOR GATES (BAYOU BOEUF)
10520 OSWALT
10530 WES
10540
10550 MAR 1970 (DEC 1971)
10560 MAY 1969 (MAY 1971)
10570 1:20
10580 DETAIL
10590 APP A:  VERMILLION LOCK
11000 XXXXX
11100 CANAL
11110
11120 VERY LONG
11130 1268-NA-NA
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 X
11220 X
11230 X
11240 XXXXX
11241 X
11242 X
11243 X
11244 X
11250 XXXXX
11251 X
11252 X
11253 X
11254 X
11260 XXXXX
11261 X
11262 X
11263 X
11264 X
11270 XXXXX
11271 X
11272 X
11273 X
11274 X
11275 X
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 SECTOR GATE (13 TYPES)
12120 75 X 30
12130 42
12140
12150
12160 X
12170 FRAMING & SEAL DETAILS
12200 XXXXX
12210 RECT
12220 VARIABLE
12230 X
12240 -13.8
12250 BACK SIDE OF SECTOR GATE
12260 ABRUPT
12270 X
12280 X
12290
12300 XXXXX
12310 F (REVERSE HEAD)
12320 BOTH GATES
12330 1-FT STEPS
12340 10 TO 30 (BACK SIDE)
12350 6 TO 18 (FACE)
12360 X
12370 X
12380 'VALVES' - 'GATES'
13000 XXXXX
13100 XXXXX
13110 X
13120 X
13130 X
13140 X
13150 X
13160 X
13170 X
13200 XXXXX
13210 X
13220 X
13221 X
13222 X
13223 X
```

```
13284 X
13285 X
13286 X
13287 X
13288 X
13289 X
13290 XXXXX
13291 X
13292 X
13293 X
13294 X
13295 X
13296 X
13240 XXXXX
13241 X
13242 X
13243 X
13244 X
13250 XXXXX
13251 X
13252 X
13253 X
13254 X
13260 XXXXX
13261 X
13262 X
13263 X
13264 X
13265 X
13300 XXXXX
13310 X
13320 X
13330 X
13340 X
13350 X
13360 X
13370 X
14000 XXXXX
14100 XXXXX
14110 -13.8
14120 SECTOR GATE
14130 X
14140 13 SECTOR TYPES TESTED
14150 X
14160 X
14170 X
14180 X
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 X
14230 X
14240 X
14250 X
14260 X
14270 X
14280 X
14290 X
15000 XXXXX
15100 XXXXX
15110 SECTOR GATE
```

```
15120 75 X 30
15130 42
15140
15150
15160 X
15170
15200 XXXXX
15210 RECT
15220 VARIABLE
15230 X
15240 -13.8
15250 BACK SIDE OF SECTOR GATE
15260 ABRUPT
15270 X
15280 X
15290 X
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 X
16120 X
16130 X
16140 X
16150 X
16160 X
16170 X
16200 XXXXX
16210 X
16220 X
16230 XXXXX
16231 X
16232 X
16233 X
16240 XXXXX
16241 X
16242 X
16243 X
16244 X
16250 XXXXX
16251 X
16252 X
16253 X
16269 X
16300 XXXXX
16310 CANAL
16320 VERY LONG
16330 1268-NA-NA
16340 X
16350 X
16360 X
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. PSSM7002
```

```
00001 PROJECT DATA FILE NO FB6M7104
00002 DATA 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CALCASIEU
10120 DETAIL:  PROTOTYPE GATE
10130 REPORT:  MP H-71-4
10200 XXXXX
10210 CALCASIEU RIVER
10220 39
10230
10300 XXXXX
10310 +6
10320 +6
10330 -6 (REVERSE HEAD)
10340 X
10350 56
10400 XXXXX
10410
10420
10430
10440
10450
10460
10500 XXXXX
10510 CALCASIEU SALTWATER BARRIER
10520 BASTIAN
10530 WES
10540
10550 FEB 1971
10560 MAR 1970
10570 1:1
10580 DETAIL
10590 PROTOTYPE TEST
11000 XXXXX
11100 XXXXX
11110 RIVER
11120 LONG
11130 300 FT GUIDE
11140 X
11150 X
11160 X
11170
11200 XXXXX
11210 X
11220 X
11230 X
11240 X
11241 X
11242 X
11243 X
11244 X
11250 XXXXX
11251 X
11252 X
11253 X
11254 X
11260 XXXXX
11261 X
11262 X
11263 X
11264 X
11270 XXXXX
11271 X
11272 X
11273 X
11274 X
11275 X
11300 XXXXX
11310 X
11320 X
11330 X
11340 X
11350 X
11360 X
11370 X
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 SECTOR GATE
12120 56 X 30
12130 34.6
12140
12150 RACK & GEAR
12160 X
12170 'VALVE' = 'GATE'
12200 XXXXX
12210 RECT
12220 VARIES
12230 X
12240 -13.0
12250 FACE OF LEAF
12260 ABRUPT
12270 X
12280 X
12290
12300 XXXXX
12310 OPEN,CLOSE
12320 SINGLE, BOTH
12330 FAST, SLOW
12340 2.65 TO 0.50
12350 3.15 TO 2.28
12360 X
12370 X
12380 REVERSE HEAD, -0.03 TO -8.5
13000 XXXXX
13100 XXXXX
13110 X
13120 X
13130 X
13140 X
13150 X
13160 X
13170 X
13200 XXXXX
13210 X
13220 XXXXX
13221 X
13222 X
13223 X
```

Table 3

```
00001 PROJECT DATA FILE NO PB7W7806
00002 DATE 08/19/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: BANKHEAD
10120 DETAIL:
10130 REPORT:  TR H-72-6
10200 XXXXX
10210 BLACK WARRIOR RIVER
10220 373.6
10230 15504 344
10300 XXXXX
10310 69
10320
10330
10340 670
10350 110
10400 XXXXX
10410
10420
10430 MB4
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 NEW BANKHEAD LOCK
10520 OSWALT,ABLES & MURPHY
10530 WES
10540
10550 SEP 1972
10560 NOV 1970
10570 1:25; 1:100
10580 SITE; SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 CANAL
11120 ABOUT 4000 FT
11130 NA-NA-678
11140 X
11150 SUBMERGENCE
11160 X
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/ INSIDE GUARD
11230 47
11240 XXXXX
11241 10 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 11
11252 18
11253 1760
11254 1760/196
11260 XXXXX
11261 9
11262 14
11263 1260
11264 1260/196
11270 XXXXX
11271 1.3 TO 5
11272 14
11273 3461
11274 3461/196
11275 84.65/14
11300 XXXXX
11310 230
11320 RECT
11330 14 X 14
11340 14 X 14
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB,FL
11430 S,1
11440 255
11450 186,198
11460 MULTIPLE LOCKAGE
12000 XXXXX
12100 XXXXX
12110 RT
12120 14 X 14
12130
12140
12150
12160 RECOMMENDED
12170
12200 XXXXX
12210 RECT
12220 14 X 14
12230 176
12240 162
12250 X
12260 X
12270 YES
12280 YES
12290 70 FT BTWN BLKHDS
12300 XXXXX
12310 F,S,E
12320 FB,FL,EB
12330 S,1,2,4
12340 255
12350 186
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110
13120 RECT
13130 14X14; 14X16.5; 14X14
13140
13150 VERT EXP & CONTR
13160 X
13170
13200 XXXXX
13210 LONG FLOOR CULVERT
13220 XXXXX
13221 4 LONGS
13222 8 UPSTR, 8 DNSTR
13223 130,188
```

```
13824 THIRD POINTS; QTR POINTS
13825 RECT
13826 10 X 10
13827
13828
13829
13830 XXXXX
13231 TWO 10 X 10
13832 10X10 TO 20X10 TEE STEM
13233 X
13834 20X10 TO TWO 12.5X10
13235 X
13236
13240 XXXXX
13241 7,12 PR PER LONG
13242 SINGLE LINE LONG SIDES
13243 RECT
13244
13250 XXXXX
13251 1.5
13252 3.25 TO 5
13253
13254
13260 XXXXX
13261 2
13262 3.5 TO 5.25
13263 X
13264 X
13265 23
13300 XXXXX
13310 F,S,E
13320 FB,FL,EB,EL
13330 S,1,2,4
13340 236 TO 286
13350 186 TO 286
13360 186 TO 197
13370
14000 XXXXX
14100 XXXXX
14110 172
14120 SYSTEM RECESSED 12.5 FT
14130 WALL & FLOOR
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D
14213 9
14214
14220 F,E
14230 FB,EB
14240 1,2,4
14250 236 TO 286
14260 186 TO 286
14270 186 TO 197
14280 14 TO 26
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 14 X 14
15130
15140
15150
15160 X
15170
15200 XXXXX
15210 RECT
15220 14 X 14
15230 176
15240 182
15250 X
15260 X
15270 YES
15280 YES
15290 70 FT BTWN BLKHDS
15300 XXXXX
15310 F,S,E
15320 FB,FL,EB
15330 S,1
15340 255,186
15350 186
15360
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 14 X 14
16140 14 X 14
16150 DOWN
16160 1 HORIZ 90 DEG EA COND
16170
16200 XXXXX
16210 SINGLE OUTLET PORTS
16220 BOTH OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CONDUIT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 14
16242 14
16243 196
16244 196/196
16250 XXXXX
16251 17.5
16252 14
16253 16.5
16260 XXXXX
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 NA-NA-585
16340 RECESSED BASIN
16350
16360 COFFERDAM
16400 XXXXX
16410 F,S,E
16420 FB,FL,EB
16430 S,1
16440 255,186
16450 186
16460 VARIED DAM DISCH
17000 END PROJ. DATA FILE NO. PSTW7806
```

```
00001 PROJECT DATA FILE NO P68838-1
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: ICE HARBOR
10120 DETAIL:
10130 REPORT:  BHL 38-1
10200 XXXXX
10210 SNAKE RIVER
10220 9.7
10230 92649 706
10300 XXXXX
10310 103
10320
10330
10340 675
10350 86
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 TG,VO
10460 N
10500 XXXXX
10510 ICE HARBOR LOCK
10520 PERKINS
10530 BONNEVILLE
10540
10550 MAY 1973
10560 JUL 1955
10570 1:25; 1:16
10580 SYSTEM, DETAIL
10590 DETAIL TESTS OF LATERAL
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 740-MA-280
11140
11150 SUBMERGENCE
11160
11170 SILL POSITION
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE OR OUTSIDE GUARD
11230 60
11240 XXXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 8
11262 30
11263 960
11264 960/168
11270 XXXXX
11271
11272
11273
11274    /188
11275    /12
11300 XXXXX
11310 110
11320 RECT
11330 12 X 30
11340 12 X 14
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB,FR
11430 5,4
11440 440
11450 344 TO 371
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 12 X 14
12130
12140
12150
12160 2 12-IN-D
12170
12200 XXXXX
12210 RECT
12220 12 X 14
12230 308
12240 294
12250 X
12260 1 ON
12270 YES
12280 YES
12290 109 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB, FR,FL
12330 5,4,6.4,8,DELAY
12340 440,447
12350 337 TO 371
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110 429/459
13120 RECT
13130 12 X 14/12 X 20
13140 189/240
13150 EXPANSION & CONTRACTION
13160 X
13170
13800 XXXXX
13810 SPLIT BOT LAT
13880 XXXXX
13881 6 EA SIDE
13882 QTR PTS
13883 86
```

```
13224 85
13225 RECT
13226 8 X 4
13227 100
13228 160/240
13229 STEPPED REDUCTION OF WIDTH
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 6 PR PER LAT
13242 SINGLE LINES
13243 RECT
13244 SPLITTER AT END OF LAT
13250 XXXXX
13251 1.25
13252 2.5
13253
13254
13260 XXXXX
13261 2.25 (0.5R FLARE)
13262 3.25 (0.5R FLARE)
13263 X
13264 X
13265 24.5
13300 XXXXX
13310 F,E,S
13320 FB,FL,FR,EB,EL,ER
13330 S,2.2,4,6.4,8,DELAY
13340 440,447
13350 334 TO 447
13360 335 TO 360
13370 STEADY FLOW 0
14000 XXXXX
14100 XXXXX
14110
14120 LAT GROUPS RECESSED
14130 'ROOFS' ON LATS
14140 UPSTR SUB. T. GATE; DNSTR LIFT GATE
14150
14160
14170
14180 UPSTR SILL BLOCK
14200 XXXXX
14210 XXXXX
14211 F(8 BARGES) TO 2 BARGES
14212 C,V,D,O
14213 9
14214
14220 F,E
14230 FB,FL,FR,EB,EL,ER
14240 2.2,4,6.4,8,DELAY
14250 440,447
14260 334 TO 447
14270 335 TO 360
14280
14290 LIFT GATE OPERATION
15000 XXXXX
15100 XXXXX
15110 RT
15120 12 X 14
15130
15140
15150
15160 4 12-IN-D
15170
15200 XXXXX
15210 RECT
15220 12 X 14
15230 314
15240 300
15250 X
15260 X
15270 YES
15280 YES
15290 63 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB,EL,ER
15330 S,2.2,4
15340 440 TO 423
15350 360 TO 335
15360
16000 XXXXX
16100 XXXXX
16110 210/315
16120 RECT
16130 12 X 14
16140 12 X 14
16150 HORIZ
16160 1 90 DEG HORIZ
16170
16200 XXXXX
16210 SINGLE OUTLETS
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 14
16243 168
16244 168/168
16250 XXXXX
16251 17
16252 14
16253 23
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 700-NA-340
16340 BASIN (TRANSVERSE;ANGLED)
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB,EL,ER
16430 8,8.8
16440 440 TO 403
16450 360 TO 335
16460
17000 END PROJ. DATA FILE NO. P88838-1
```

```
00001 PROJECT DATA FILE NO P00000-1
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: JOHN DAY
10120 DETAIL:
10130 REPORT:  BHL 86-1
10200 XXXXX
10210 COLUMBIA RIVER
10220 215.6
10230 92217 406
10300 XXXXX
10310 105
10320 113
10330
10340 675
10350 86
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 VS,VO
10460 N
10500 XXXXX
10510 JOHN DAY LOCK
10520 BONNEVILLE
10530 CHANDA & PERKINS
10540
10550 JUL 1974
10560 SEP 1961
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 703-NA-311
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE; OUTSIDE GUARD WALLS
11230 68
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244 DISTANCE TO SILL
11250 XXXXX
11251 8
11252 30
11253 960
11254 960/
11260 XXXXX
11261 8
11262 30
11263 960
11264 960/
11270 XXXXX
11271 8.5 TO 4.5
11272
11273
11274
11275 18/18
11300 XXXXX
11310 110
11320 RECT
11330 18 X 30
11340 18 X 14
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F,S
11420 FB,FR
11430 S,4
11440 268 TO 255
11450 155 TO 174
11460 SPILLWAY FLOW
12000 XXXXX
12100 XXXXX
12110 RT
12120 18 X 14
12130 18.5
12140
12150 HYDRAULIC
12160 2 12-IN-D
12170 TRUNNION LOAD
12200 XXXXX
12210 RECT
12220 18 X 14
12230 126
12240 114
12250 X
12260 1 ON 10 (ROOF)
12270 YES
12280 YES
12290 92 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB,FR
12330 S,4
12340 268 TO 257
12350 155 TO 174
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 L:657; R:671
13120 RECT
13130 18X14;18X20; 18X14
13140 168;240
13150 EXPANSION, CONTRACTION
13160 90 DEG DNSTR
13170
13200 XXXXX
13210 BOTTOM LAT-SPLIT
13220 XXXXX
13221 5 LATS EA SIDE
13222 GROUPED AT THD PTS
13223 86
```

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13224 85
13225 RECT
13226 8X4
13227 100
13228 100/240
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 6 PR PER LAT
13242 SINGLE LINE
13243 RECT
13244 'ROOF' OVERHANG
13250 XXXXX
13251 1.25
13252 2.5
13253
13254
13260 XXXXX
13261 2.25 (0.5-FT-R FLARE)
13262 3.5 (0.5-FT-R FLARE)
13263 X
13264 X
13265 22
13300 XXXXX
13310 F,E,S
13320 FB,FL,FR,EB,EL,ER
13330 S,2.2 TO 8, DELAY
13340 268 TO 257
13350 155 TO 268
13360 156 TO 174
13370
14000 XXXXX
14100 XXXXX
14110 138
14120 LAT SYSTEM RECESSED
14130 X
14140 SUBMERSIBLE; VERT LIFT
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H,O
14212 C,V,D,O
14213 9
14214
14220 F,E
14230 FB,FL,FR,EB,EL,ER
14240 2.2 TO 8, DELAY
14250 268 TO 257
14260 155 TO 268
14270 156 TO 174
14280
14290 LIFT GATE OPENED
15000 XXXXX
15100 XXXXX
15110 RT
15120 12 X 14
15130 18.5
15140
15150 HYDRAULIC
15160
15170 LOCATION
15200 XXXXX
15210 RECT
15220 12X14
15230 134
15240 120
15250
15260
15270 YES
15280 YES
15290 (L:106; R:60)FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB,EL,ER
15330 S,2.2
15340 268 TO 257
15350 155 TO 174
15360
16000 XXXXX
16100 XXXXX
16110 85
16120 RECT
16130 12X14
16140 12X14
16150 HORIZ
16160 R-44,25; HORIZ
16170
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 14
16243 168
16244 168/168
16250 XXXXX
16251 17.5
16252 12
16253 21
16260 XXXXX
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 700-MA-437
16340 BASIN
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB,EL,ER
16430 S,2.2
16440 268 TO 257
16450 155 TO 174
16460
17000 END PROJ. DATA FILE NO. P68888-1
```

```
00001 PROJECT DATA FILE NO P7081061
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: LOWER MONUMENTAL
10120 DETAIL:  INTAKE & VALVE
10130 REPORT:  BHL 106-1
10200 XXXXX
10210 SNAKE RIVER
10220 41.6
10230 92682 506
10300 XXXXX
10310 100
10320 103
10330
10340 675
10350 86
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 US,UO
10460 N
10500 XXXXX
10510 LOWER MONUMENTAL LOCK
10520 PERKINS & THEUS
10530 BONNEVILLE
10540
10550 MAY 1975
10560 OCT 1962, APR 1968
10570 1:25
10580 DETAIL
10590 INTAKE MANIFOLDS & EMPTY VALVES
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 720-MA-300
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE LAND; IN-/OUT-SIDE RIVERWALLS
11230 75
11240 XXXXX
11241 L:4,8,8; R:4,8,84
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261 L:8,8,7; R:8,7
11262 L:30,15,30; R:30,30
11263
11264
11270 XXXXX
11271 L:2.5 TO 5.5; R:2.5 TO 5.5, 1.75 TO 5
11272 L:30,15; R:30,30
11273
11274
11275 L: 15/12; R: 15/12, 25.3/12
11300 XXXXX
11310 125 TO 275
11320 RECT
11330 12 X 30; 2 AT 12 X 15
11340 12 X 14
11350 DOWN
11360 L&R: 2 VERT; L: 1 HORIZ
11370
11400 XXXXX
11410 S
11420 FB,FL,FR
11430 S
11440 540,537
11450 VARIED TO SET Q
11460 SPILLWAY DISCHARGE
12000 XXXXX
12100 XXXXX
12110 RT
12120 12 X 14
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12 X 14
12230 410
12240 398
12250 X
12260 1:10(ROOF)
12270 YES
12280 YES
12290 80 FT BTWN BLKHDS
12300 XXXXX
12310 X
12320 X
12330 X
12340 X
12350 X
12360 X
12370 X
12380 X
13000 XXXXX
13100 XXXXX
13110 L: 690; R: 640
13120 RECT
13130 18X14; 18X20; 18X14
13140 168
13150 EXPANSION & CONTRACTION
13160 1 HORIZ (DNSTR)
13170
13800 XXXXX
13810 BOTTOM LAT-SPLIT
13800 XXXXX
13881 5 LATS EA SIDE
13882 GROUPED AT QTR PTS
13883 86
```

```
13224
13225 RECT
13226
13227
13228
13229 USED JOHN DAY MODEL
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 E,S
13320 ER
13330 S,2
13340
13350 540 TO 534
13360 437
13370
14000 XXXXX
14100 XXXXX
14110 420
14120 LAT SYSTEMS RECESSED
14130 X
14140
14150
14160
14170
14180 USED JOHN DAY MODEL
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 X
14230 X
14240 X
14250 X
14260 X
14270 X
14280 X
14290 X
15000 XXXXX
15100 XXXXX
15110 CT
15120 12 X 14
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 12 X 14
15230 410
15240 398
15250 X
15260 X
15270 YES
15280 YES
15290 40 FT BTUN BLKHDS
15300 XXXXX
15310 E,S
15320 EB,ER
15330 S,2
15340 540 TO 534
15350 437
15360 USED LOWER GRANITE MODEL
16000 XXXXX
16100 XXXXX
16110 48
16120 RECT
16130 12 X 14
16140 12 X 14
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 SINGLE PORT
16220
16230 XXXXX
16231 1 PER CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 14
16243 168
16244 168/168
16250 XXXXX
16251 14
16252 14
16253 81
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 700-NA-175
16340 BASIN
16350 X
16360
16400 XXXXX
16410 S
16420 ER
16430 S
16440 530 TO 534
16450 437
16460
17000 END PROJ. DATA FILE NO. P76B1061
```

```
00001 PROJECT DATA FILE NO P71H7611
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BARKLEY
10120 DETAIL:  PROTOTYPE
10130 REPORT:  TR H-76-11
10200 XXXXX
10210 CUMBERLAND RIVER
10220 30.6
10230 44030 502
10300 XXXXX
10310 57
10320
10330
10340 800
10350 110
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 MG,MG
10460 UL
10500 XXXXX
10510 BARKLEY PROTOTYPE
10520 NEILSON
10530 WES
10540
10550 JUN 1975
10560 JUN 1968
10570 1:1
10580 SYSTEM
10590 PROTOTYPE TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 863-MA-241.6
11140 X
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE & OUTSIDE BOTH APPROACH WALLS
11230
11240 XXXXX
11241 4 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 8.6
11252 13
11253 844
11254 844/256
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11278
11273 448.8
11274 448.8/256
11275
11300 XXXXX
11310
11320 RECT
11330 16 X 16
11340 16 X 16
11350 DOWN
11360 2 VERT
11370
11400 XXXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 RTD
12120 16 X 16
12130 24
12140 298.33
12150 HYDRAULIC (VERT CYL)
12160 2 20-IN DIAM
12170
12200 XXXXX
12210 RECT
12220 16 X 16
12230 296
12240 280
12250 X
12260 X
12270 YES
12280 YES (U/CLOSURE)
12290 50 FT BTWN BLKHDS
12300 XXXXX
12310 F,E
12320 FB,FL,FR,EB,EL,ER
12330 1,3,4,8
12340 354.4 TO 355.1
12350 302.5 TO 306.3
12360 0,3,6-IN ORIFICES
12370
12380
13000 XXXXX
13100 XXXXX
13110 670
13120 RECT
13130 16 X 16
13140 256
13150 X
13160 X
13170
13800 XXXXX
13210 SPLIT BOTTOM LATERAL
13220 XXXXX
13881 8 SETS OF 8 EA
13882 CTRD AT QTR PTS
13883 110
```

```
13224 24
13225 RECT
13226 8 X 5
13227 320
13228 320/256
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 8 X 5 STEPPED TO 1.71 X 9
13236
13240 XXXXX
13241 8 PR EA LAT
13242 SINGLE LINE EA SIDE
13243 RECT
13244 PORT EXTENSIONXX
13250 XXXXX
13251 1.83
13252 2.08
13253
13254
13260 XXXXX
13261 2.83 (0.5 -FT-RAD FLARE)
13262 2.08
13263 X
13264 X
13265
13300 XXXXX
13310 F,E
13320 FB,FL,FR,EB,EL,ER
13330 1,3,4,8
13340 354.4 TO 355.1
13350 302.5 TO 355.1
13360 302.5 TO 306.3
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140 MG,MG
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F
14212 C
14213
14214 WIRE ROPE & MANILA HAUSERS
14220 F,E
14230 FB,FL,FR,EB,EL,ER
14240 1,3,4,8
14250 354.4 TO 355.1
14260 302.5 TO 355.1
14270 302.5 TO 306.3
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTD
15120 16 X 16
15130 24
15140 298.33
15150 HYDRAULIC (VERT CYL)
15160
15170
15200 XXXXX
15210 RECT
15220 16 X 16
15230 296
15240 280
15250 X
15260 X
15270 YES
15280 YES
15290 50 FT BTWN BLKHDS
15300 XXXXX
15310 F,E
15320 FB,FL,FR,EB,EL,ER
15330 1,3,4,8
15340 354.4 TO 355.1
15350 302.5 TO 355.1
15360 302.5 TO 306.3
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150 DOWN
16160 L12 45-DEG HORIZ
16170
16200 XXXXX
16210 L-BOTTOM; R-SIDEWALL
16220 RIVERWALL (IN SPILLWAY)
16230 XXXXX
16231 8 EA MANIFOLD
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 856-MA-898
16340
16350
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. P71W7811
```

Table 3

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```
00001 PROJECT DATA FILE NO P78M7607
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: SIDEWALL PORT
10120 DETAIL: SYSTEM
10130 REPORT: MP M-75-7
10200 XXXXX
10210 X
10220 X X
10230 X X
10300 XXXXX
10310
10320
10330
10340
10350
10400 XXXXX
10410
10420
10430
10440
10450
10460
10500 XXXXX
10510 SIDEWALL PORT SYSTEM DESIGN
10520 MURPHY
10530 WES
10540
10550 JUL 1975
10560 MAY 1975
10570
10580
10590
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11261
11262
11263
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275 XXXXX
11310
11330
11340
11350
11360
11370 XXXXX
11400
11410
11420
11430
11440
11450
11460 XXXXX
12000 XXXXX
12100
12110
12120
12130
12140
12150
12160
12170 XXXXX
12200
12210
12220
12230
12240
12250
12260
12270
12280
12290 XXXXX
12300
12310
12320
12330
12340
12350
12360
12370
12380 XXXXX
13000 XXXXX
13100
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210 XXXXX
13220
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13222
13223
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Table 3


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13224
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13263
13264
13265
13300
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13370
14000
14100
14110
14120
14130
14140
14150
14160
14170
14180
14200
14210
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
15000
15100
15110
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
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XXXXX
XXXXX
ANGLED PORTS
15116
15117
15118
15119
15120
15121
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```
00001 PROJECT DATA FILE NO P73B1151
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: LITTLE GOOSE
10120 DETAIL:
10130 REPORT:  BHL 115-1
10200 XXXXX
10210 SNAKE RIVER
10220 70.3
10230 92648 102
10300 XXXXX
10310 98
10320 101
10330
10340 675
10350 86
10400 XXXXX
10410
10420
10430 SBLC
10440
10450 TG,MG
10460 N
10500 XXXXX
10510 LITTLE GOOSE LOCK
10520 PERKINS & CHANDA
10530 BONNEVILLE
10540
10550 SEP 1975
10560 AUG 1965
10570 1:25
10580 SYSTEM, DETAIL
10590 JUNCTION CHAMBER STUDIED
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 500-NA-760
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 BOTH OUTSIDE GUARD WALL
11230 63
11240 XXXXX
11241 4 EA CULVERT
11242 SINGLE LINES
11243
11244
11250 XXXXX
11251 8
11252 30
11253 960
11254 960/168
11260 XXXXX
11261 8
11262 30
11263 960
11264 960/168
11870 XXXXX
11871 8.5 TO 8.5
11872 30
11873 480
11874 480/168
11875 10/12
11300 XXXXX
11310 L:137; R:80
11320 RECT
11330 12 X 30
11340 12 X 14
11350 DOWN
11360 2 VERT
11370 BOTH CULVERTS ON RIVER SIDE
11400 XXXXX
11410 S
11420 FB,FR,FL
11430 S
11440 638
11450 538 TO 569
11460 POWERHOUSE DISCHARGE
12000 XXXXX
12100 XXXXX
12110 RT
12120 12 X 14
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 12 X 14
12230 505
12240 491
12250 X
12260 X
12270 YES
12280 YES
12290 55 FT DTUM BLKHDS
12300 XXXXX
12310 F,S
12320 FB,FR,FL
12330 S,4
12340 638
12350 537 TO 569
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 L:830; R:810
13120 RECT
13130 12X14; 12X80; 12X14
13140 168; 840; 168
13150 EXPANSION, CONTRACTION
13160 1 90-DEG HORIZ DNSTR
13170 EQUALIZING PORT
13200 XXXXX
13810 BOT LAT; BOT LONG
13820 XXXXX
13821 10,11 LATS; 6 LONG
13822 FULL LOCK; 3 EA QTR PT
13823 80; 137
```

```
13284 50; 0TR PTS
13285 RECT; RECT
13286 8X4; 10X8
13287 380,382; 870
13288 380/840,382/840; 870/840
13289 5-FT-RAD ENTR FLARES
13230 XXXXX
13231 JUNCTION CHAMBER
13232 IN:2 TO 1 TO 8; OUT:8 TO 1 TO 2
13233 90 DEG HORIZ IN CULVERTS
13234 CULV & LONG TO JUNCT
13235 JUNCT TO CULV & LONG
13236
13240 XXXXX
13241 6 PR EA LAT; 9 PR EA LONG
13242 SINGLE LINE; SINGLE LINE
13243 RECT; RECT
13244
13250 XXXXX
13251 1.25; 1.25
13252 2.5; 2.5
13253
13254
13260 XXXXX
13261 2.25; 2.25
13262 3; 3
13263 X
13264 X
13265 27.5; 28.5
13300 XXXXX
13310 F,E,S
13320 FB,FR,FL,EB,ER,EL
13330 S,4,2,6.4,LAG
13340 638
13350 537 TO 638
13360 537 TO 546
13370 STEADY DISCHARGE
14000 XXXXX
14100 XXXXX
14110 507,502; 517
14120 LAT SYSTEM RECESSED
14130 WALLS & 'ROOFS'
14140 SUBM. TAINTER, MITER
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 F,H,O
14212 C,U,D,O
14213 9,14
14214
14220 F,E,S
14230 FB,FR,FL,EB,ER,EL
14240 S,4,2,6.4 LAG
14250 638
14260 537 TO 638
14270 537 TO 546
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 12 X 14
15130
15140
15150
15160 3.41 SQ FT
15170
15200 XXXXX
15210 RECT
15220 12 X 14
15230 500
15240 486
15250 X
15260 12X14 TO 17.5 X 20
15270 YES
15280 UPSTRR & OUTLET
15290 165 FT DTUM BLKHDS
15300 XXXXX
15310 S
15320 EB,EL,ER
15330 9
15340 623 TO 637
15350 537
15360 VENTS
16000 XXXXX
16100 XXXXX
16110 X
16120 X
16130 X
16140 X
16150 X
16160 X
16170 WITHIN FLOW PASSAGE
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 14
16243 168
16244 168/168
16250 XXXXX
16251 17.5
16252 20
16253 25
16260 XXXXX
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 700-NA-700
16340 BASIN
16350 X
16360
16400 XXXXX
16410 8
16420 EB,EL,ER
16430 8
16440 623 TO 637
16450 537
16460
17000 END PROJ. DATA FILE NO. P7301151
```

```
00001 PROJECT DATA FILE NO P74H7707
00002 DATE 08/19/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: TRINITY RIVER
10120 DETAIL:
10130 REPORT:  TR H-77-7
10200 XXXXX
10210 TRINITY RIVER
10220 19 SITES
10230
10300 XXXXX
10310 0-29(136); 30-57(6M)
10320
10330
10340 655
10350 84
10400 XXXXX
10410
10420
10430 L:SIDE PORT; R:BOT LONG
10440
10450
10460
10500 XXXXX
10510 TRINITY R. LOCKS
10520 OSWALT
10530 WES
10540
10550 APR 1977
10560 DEC 1973
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 600-NA-
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD WALLS
11230 17
11240 XXXXX
11241 6 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 7
11252 14.5
11253 600
11254 600/130
11260 XXXXX
11261 6
11262 13/130
11263 468
11264 468/130
11270 XXXXX
11271 4.85 TO 1.8
11272 13
11273 195
11274 195/130
11275 15/10
11300 XXXXX
11310 180
11320 RECT
11330 10 X 13
11340 10 X 13
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 F
11420 FB
11430 1
11440 101, 90
11450 60
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 10 X 13
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 10 X 18
12230 48
12240 35
12250 X
12260 X
12270 YES
12280 YES
12290 45 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB
12330 1
12340 101
12350 60
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 467
13120 RECT
13130 10 X 13
13140 130
13150
13160
13170
13200 XXXXX
13210 LONG FLOOR CULVERT
13220 XXXXX
13221 4 LONGS
13222 2 UPSTR, 2 DNSTR
13223 168
```

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13824 QTR POINTS
13825 RECT
13826 11.75 X 7
13827 88.85
13828 88.85/130
13829
13830 XXXXX
13831 TWO 9.5 X 7
13832 9.5 X 7 TO 81 X 7 TEE STEM
13833 X
13834 21 X 7 TO TWO 11.75 X 7
13835 X
13836
13840 XXXXX
13841 10 PR PER LONG
13842 SINGLE LINE LONG SIDES
13843 RECT
13844
13850 XXXXX
13851 1.5
13852 2.8
13853
13854
13860 XXXXX
13861 2
13862 2.8
13863 X
13864 X
13865 15
13900 XXXXX
13910 F,E
13920 FB,F1,EB,E1
13930 1,2,4
13940 90 TO 120
13950 60 TO 120
13960 60
13970
14000 XXXXX
14100 XXXXX
14110 45
14120 X
14130 HORIZ & VERT
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H
14212 U,C,D
14213 9,12
14214
14220 F,E
14230 FB,F1,EB,E1
14240 1,2,4
14250 90 TO 120
14260 60 TO 120
14270 60
14280 15
14290
15000 XXXXX
15100 XXXXX
15110 RT
15120 10 X 13
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 10 X 13
15230 48
15240 36
15250 X
15260 X
15270 YES
15280 YES
15290 50 FT BTWN BLKHDS
15300 XXXXX
15310 X
15320 X
15330 X
15340 X
15350 X
15360 X
16000 XXXXX
16100 XXXXX
16110 63
16120 RECT
16130 10 X 13
16140 14.55 X 13
16150 HORIZ
16160 X
16170 X
16200 XXXXX
16210 SIDEWALL
16220 INSIDE GUIDE/INSIDE GUARD WALLS
16230 XXXXX
16231 8 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 4
16242 9
16243 288
16244 288/130
16250 XXXXX
16251 4
16252 9
16253 16
16260
16300 XXXXX
16310 RIVER
16320 VERY LONG
16330 360-MA-
16340 X
16350 1 ROW 10 FT FROM OUTLETS
16360
16400 XXXXX
16410 E
16420 EB
16430 1
16440 101
16450 60
16460
17000 END PROJ. DATA FILE NO. P74H7707
```

Table 3

```
00001 PROJECT DATA FILE NO P75H7809
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BAY SPRINGS
10120 DETAIL:  CANAL
10130 REPORT:  TR H-78-9
10200 XXXXX
10210 TENNESSEE-TOMBIGBEE
10220
10230
10300 XXXXX
10310 84
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430
10440
10450
10460
10500 XXXXX
10510 BAY SPRINGS CANAL
10520 TATE
10530 WES
10540
10550 JUN 1978
10560 JUL 1976
10570 1:80
10580 DETAIL
10590 SEE WES TR H-78-19
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11200 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13000 XXXXX
13010
13000 XXXXX
13001
13002
13003
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Table 3

Table 3


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13824
13825
13826
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13828
13229 XXXXX
13230
13231
13232
13233
13834
13235
13236 XXXXX
13240
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370 XXXXX
14000 XXXXX
14100
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212 VARIOUS DISTANCES FROM OUTLET
14213 9
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110
15120
15130
15140
15150
15160
15170 XXXXX
15200
15210
15220
15230
15240
15250
15260
15270
15280
15290 XXXXX
15300
15310
15320
15330
15340
15350 XXXXX
15360
15370
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210 6 OR 2 BOTTOM LATERALS
16220 INSIDE & OUTSIDE APPROACH WALLS
16230 XXXXX
16231 8 PR PER LATERAL
16232 SINGLE LINE EA SIDE
16233 RECT
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310 CANAL
16320 1 MI TO POOL E
16330 170-NA-410, NA-NA-406
16340 DIFFUSER PIT
16350 X
16360
16400 XXXXX
16410 E
16420 ED
16430 1.8,4.8
16440 414
16450 330
16460
17000 END PROJ. DATA FILE NO. P7BW7000
```

```
00001 PROJECT DATA FILE NO P78M7810
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 26
10120 DETAIL:  PROTOTYPE
10130 REPORT:  MP M-78-10
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 202.9
10230 30202 006
10300 XXXXX
10310 14.9
10320 24
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 BF
10500 XXXXX
10510 L & D 26 PROTOTYPE
10520 HART
10530 WES
10540
10550 SEP 1978
10560 JUL 1977
10570 1:1
10580 SYSTEM
10590 PROTOTYPE TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 MA-171-668
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE OF APPROACH WALLS
11230
11240 XXXXX
11241 6 EA SIDE
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330 12.5 X 12.5
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 CT
12120 12.5 X 12.5
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310 F
12320 FR
12330 VARIED; WITH DELAY
12340 419
12350 390
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120 U (INV. HORSESHOE)
13130 14-FT-DIAM
13140
13150
13160
13170
13800 XXXXX
13810 SIDEWALL PORTS
13820 XXXXX
13821
13822
13823
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Table 3


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13084
13085
13086
13087
13088
13089 XXXXX
13230 XXXXX
13231
13232
13233
13234
13235
13236
13240 XXXXX
13241 40
13242 SINGLE LINE
13243 REC?
13244
13250 XXXXX
13251 4
13252 5
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
15000 XXXXX
15100 XXXXX
15110 CT
15180 18.5 X 18.5
15190
15144
15184
15160
15170
15800 XXXXX
15810
15820
15830
15840
15850
15860
15870
15880
15300 XXXXX
15310 E
15320 ER
15330 80 SEC
15340 419
15350 399
15360
15000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE OF APPROACH WALLS
16230 XXXXX
16231 24
16232
16233
16240 XXXXX
16241
16242
16243
16244 XXXXX
16250
16251
16252
16253
16254
16260 XXXXX
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 NA-598-888
16340
16360
16380 XXXXX
16400
16410
16420
16430
16440
16450
17000 END PROJ. DATA FILE NO. P76N7810
```

```
00001 PROJECT DATA FILE NO P77H7818
00002 DATE 02/10/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R/GULF OUT
10120 DETAIL:
10130 REPORT:  TR H-78-16
10200 XXXXX
10210 MR-GO CANAL
10220 53.7
10230
10300 XXXXX
10310 18.4
10320 18.4
10330 -14.6(REVERSE HEAD)
10340 1200
10350 150
10400 XXXXX
10410
10420 RT
10430 SP
10440
10450 DBL MG/DBL MG
10460
10500 XXXXX
10510 MISS. R.-GULF OUTLET
10520 ABLES
10530 WES
10540
10550 SEP 1978
10560 MAR 1975
10570 1:25
10580 SYSTEM
10590
11000 XXXXX
11100 XXXXX
11110 CANAL( TO RIVER)
11120 3600 FT
11130 700-NA-1200
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD WALLS
11230
11240 XXXXX
11241 8 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 12
11252 18
11253 1728
11254 1728/342.25
11260 XXXXX
11261 8
11262 16
11263 1024
11264 1024/342.25
11270 XXXXX
11271 5.01 TO 1.98
11272 18.5
11273 488.85
11274 488.85/348.85
11275 86.1/18.5
11300 XXXXX
11310 842
11320 RECT
11330 18.5 X 18.5
11340 18.5 X 18.5
11350 HORIZ
11360 2 HORIZ
11370
11400 XXXXX
11410 F,S
11420 FB,EB
11430 S,2,4
11440 15.9
11450 -2.5 TO 3.6
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 18.5 X 18.5
12130
12140
12150
12160
12170
12200 XXXXX
12210 RECT
12220 18.5 X 18.5
12230 -31.5
12240 -50
12250 X
12260 X
12270 YES
12280 YES
12290 82 FT BTWN BLKHDS
12300 XXXXX
12310 F,S
12320 FB
12330 S,1,3,4
12340 15.9
12350 -2.5,3.6
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110 952
13120 RECT
13130 18.5 X 18.5
13140 348.25
13150 X
13160 8 HORIZ
13170
13800 XXXXX
13810 SIDEPORT
13820 XXXXX
13821 X
13822 X
13823 X
```

Table 3

```
13824 X
13825 X
13826 X
13827 X
13828 X
13829 X
13830 XXXXX
13831 X
13832 X
13833 X
13834 X
13835 X
13836 X
13840 XXXXX
13841 20(19 TO 22) EA SIDE
13842 SINGLE LINE
13843 RECT
13844
13850 XXXXX
13851 2.9
13852 5
13853
13854
13860 XXXXX
13861 4.4 (PLUS 2 FT FLARE)
13862 5 (PLUS 1 FT FLARE)
13863 0.19:1 EA SIDE
13864 X
13865
13900 XXXXX
13910 F,E,S
13920 FB,EB
13930 S,1,2,3,4,6,8,16,20
13940 15.9 TO -0.5
13950 15.9 TO -2.5
13960 -2.5 TO 5.1
13970 REVERSE HEAD
14000 XXXXX
14100 XXXXX
14110 -50
14120 15 X 15 X 3 RECT & TRIANG
14130 X
14140 MG(DOUBLE)
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H & SHIP
14212 U,C,D
14213 24,18,12; 45,37.5,30
14214
14220 F,E,S
14230 FB,EB
14240 S,1,2,3,4,6,8,16,20
14250 15.9 TO -0.5
14260 15.9 TO -8.5
14270 -2.5 TO 51
14280 3.28 TO 38
14290 REVERSE HEAD
15000 XXXXX
15100 XXXXX
15110 RT
15120 18.5 X 18.5
15130
15140
15150
15160
15170
15200 XXXXX
15210 RECT
15220 18.5 X 18.5
15230 -31.5
15240 -50
15250 X
15260 X
15270 YES
15280 YES
15290 82 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB
15330 S,4
15340 15.9,13.33
15350 -2.5
15360
16000 XXXXX
16100 XXXXX
16110 246
16120 RECT
16130 18.5 X 18.5
16140 27.8 X 18.5
16150 HORIZ
16160 X
16170
16200 XXXXX
16210 SIDEWALL
16220 INSIDE GUIDE/INSIDE GUARD WALLS
16230 XXXXX
16231 5 EA SIDE
16232 SINGLE LINE
16233 RECT
16240 XXXXX
16241 10
16242 18.5
16243 926
16244 925/342.25
16250 XXXXX
16251 13
16252 20
16253 29
16260
16300 XXXXX
16310 CANAL
16320 VERY LONG
16330 700-MA-1200
16340
16350
16360
16400 XXXXX
16410 E,S
16420 EB
16430 S,8,4
16440 15.9,13.33
16450 -8.5
16460
17000 END PROJ. DATA FILE NO. P77NT816
```

```
00001 PROJECT DATA FILE NO P78H7819
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BAY SPRINGS
10120 DETAIL:
10130 REPORT:  TR H-78-19
10200 XXXXX
10210 TENNESSEE-TOMBIGBEE
10220
10230
10300 XXXXX
10310 84 (414-330)
10320 92
10330 78
10340 670
10350 110
10400 XXXXX
10410
10420 RTS
10430 VB4
10440 MULTI-PORT LATERALS
10450 MG, MG
10460 BU
10500 XXXXX
10510 BAY SPRINGS LOCK
10520 ABLES
10530 UES
10540
10550 NOV. 1978
10560 MAY 1976
10570 1:25
10580 SYSTEM
10590 RESERVOIR EVACUATION FLOWS TESTED
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130
11140 X
11150 SUBMERGENCE
11160 X
11170 GUARD WALL FLARED
11200 XXXXX
11210 TWO SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD
11230 48 (56 TO 8)
11240
11241 10 EA SIDE
11242 1 LINE, 12-FT CTR
11243 RECT
11244 XXXXX
11250
11251 9
11252 16
11253 1440 EA SIDE
11254 1440/196
11260
11261 7
11262 14
11263 980
11264 980/196
11270
11271 1.302 TO 5.00 (U-24.65)
11272 14
11273 345.1
11274 345.1/196
11276 24.65/14
11300
11310 185, 121
11320 RECT
11330 14 X 14
11340 14 X 14
11350 DOWN
11360 VERT-2
11370 XXXX
11400
11410 F, S
11420 FL, FR, FB
11430 1, 2, 4, S
11440 DES, +15, -57
11450 DES, +5, -1
11460 XXXXX
12000
12100
12110 RTS
12120 14 X 14
12130 UA
12140 UA
12150 HYDRAULIC
12160 TWO 12-IN-D
12170 TEST VALVE ON LEFT
12200 XXXXX
12210 RECT
12220 14 X 14
12230 325, 318
12240 311, 304
12250 X
12260 X
12270 YES
12280 YES
12290 LENGTH 71.5, 83.5 BTWN BLKHDS
12300
12310 F, S
12320 FL, FB
12330 1, 2, 4, S
12340 DES, +8, -26
12350 DES, +0, -0
12360 VARIED
12370 UA
12380 XXXXX
13000
13100
13110 XXXXX
13120 RECT
13130 14 X 14
13140 196
13150 HORIZ SPLITTER IN VERT EXPANDED SECTION
13160 VERT-2
13170 XXXXX
13200
13210 VB4
13220
13221 4 BRANCHES
13222 2 PR LONG BRANCHES
13223 100 (EA BRANCH)
```

```
13224 1 PR EA HALF OF LOCK
13225 RECT
13226 2 14 x 7 EA SIDE
13227 196
13228 196/196
13229 XXXXX
13230
13231 4  180 DEG BENDS
13232 1-2-1-2
13233 HORIZ
13234 2  14X7 TO 2  14X9
13235 X
13236 XXXXX
13240
13241 12 PR IN EA OF 4 BRANCHES
13242 1 LINE EA SIDE OF BRANCH
13243 RECT
13244 XXXXX
13250
13251 1.5
13252 3.5
13253 126 PER BRANCH
13254 126/126
13260
13261 2.0
13262 3.75
13263 0.25-FT CHAMFER
13264 0.25-FT CHAMFER
13265 18
13300
13310 F, S
13320 FL, FR, FB
13330 1, 2, 4, S
13340 DES, +15, -56
13350 DES, +0, -0
13360 DES, +0, -27
13370 XXXXX
14000
14100
14110 315 (TOP OF MANIFOLD)
14120 X
14130 WALL & TEE
14140 NO
14150 X
14160 X
14170 X
14180 XXXXX
14200
14210
14211 FULL, HALF
14212 UPSTR, CTR, DNSTR
14213 9
14214 XXXXX
14220 F, E, S
14230 FL, FR, FB, ER, EB
14240 1, 2, 4, S
14250 DES, +8, -26
14260 DES, +8, -26
14270 DES, +0, -0
14280 14, 17, 20
14290 XXXX
15000
15100
15110 RT
15120 14 X 14
15130 VA
15140 VA
15150 HYDRAULIC
15160 TWO 12-IN-D
15170 XXXXX
15200 XXXXX
15210 RECT
15220 14 x 14
15230 312
15240 298
15250 X
15260 X
15270 YES
15280 YES
15290 LENGTH 50.5 BTWN BLKHDS
15300
15310 E, S
15320 B
15330 1, 2, 4, S
15340 DES, +8, -26
15350 DES, -27, +5
15360 BLKHD SLOTS VA
16000
16100
16110 210 (APPROX)
16120 RECT
16130 14 x 14
16140 14 x 14
16150 HORIZ
16160 HORIZ-1 EA SIDE
16170 XXXXX
16200
16210 2 MULTI-PORT LATERALS
16220 IN-PLUS OUTSIDE OF APPROACH
16230
16231 8 PR IN EA LATERAL
16232 1 LINE EA SIDE OF LATERAL
16233 RECT
16240
16241 3
16242 6
16243 288
16244 288/196
16250
16251 4
16252 7
16253 26
16260 OUTLETS HAVE 1-FT-R FLARE
16300
16310 CANAL
16320 LONG
16330 XXXXX
16340 MANIFORD
16350 BAFFLE WALLS
16360 XXXXX
16400
16410 E
16420 EB
16430 1, 2, 4
16440 DES, +0, -7
16450 DES, +0, -0
16460
17000 END PROJ. DATA FILE NO. P78M7819
```

```
00001 PROJECT DATA FILE NO P79B1881
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: LOWER GRANITE
10120 DETAIL:
10130 REPORT:  BHL 186-1
10200 XXXXX
10210 SNAKE RIVER
10220 107.5
10230 92747  506
10300 XXXXX
10310 100 (738-638)
10320 105
10330 87
10340 675
10350 86
10400 XXXXX
10410 GID & GRD WALL PORTS
10420 RTD
10430 VB 8
10440 STRAIGHT WITH SILL
10450 TG, MG
10460 X
10500 XXXXX
10510 LOWER GRANITE LOCK
10520 PERKINS & THEUS
10530 BHL
10540
10550 SEPTEMBER 1979
10560 NOV 1970, MAR 1976
10570 1:25
10580 SYSTEM
10590 SPILLWAY FLOW EFFECT OBSERVED
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 650-MA-295
11140 X
11150 SUBMERGENCE
11160 X
11170 GUARD WALL FLARED
11200 XXXXX
11210 TWO SIDEWALL
11220 OUTSIDE GUIDE/INSIDE GUARD
11230 58
11240 XXXXX
11241 4 EA SIDE
11242 1 LINE; 13-FT CTR
11243 RECT
11244 2 PORT LENGTHS TESTED
11250 XXXXX
11251 8
11252 30
11253 960 EA SIDE
11254 960/168
11260 XXXXX
11261 8
11262 30
11263 960 EA SIDE
11264 960/168
11270 XXXXX
11271 8.5 TO 5.5 (U-16)
11272 30
11273 480 EA SIDE
11274 480/168
11275 16/12
11300 XXXXX
11310 105
11320 RECT
11330 12 X 30
11340 12 X 14
11350 DOWN
11360 VERT-2, HORIZ-2
11370 XXXXX
11400 XXXXX
11410 F, S
11420 FL, FR, FB
11430 1.11, 4.00, S
11440 DES, +0, -6
11450 DES, +27, -5
11460 SPILLWAY FLOW EFFECT OBSERVED
12000 XXXXX
12100 XXXXX
12110 RTD
12120 12 X 14
12130 VA
12140 607.25
12150 HYDRAULIC
12160 SIX 12-IN-D
12170 TEST VALVE ON RIGHT
12200 XXXXX
12210 RECT
12220 12 X 14
12230 602
12240 592
12250 X
12260 X (SEE 13150 & 13130)
12270 YES
12280 YES
12290 LENGTH 89 BTWN BLKHDS
12300 XXXX
12310 F, S
12320 FL, FR, FB
12330 0.55 TO 8.00, S
12340 DES, +0, -6
12350 DES, +27, -5
12360 VARIED
12370 VA
12380 PROTOTYPE PRESSURE OBTAINED AT VALVE
13000 XXXXX
13100 XXXXX
13110 560 BTWN BLKHDS
13120 RECT
13130 12 X 22
13140 264
13150 EXPANSION, SPLITTER, CONTRACTION
13160 X
13170
13200 XXXXX
13210 VB 8
13220 XXXXX
13881 8 BRANCHES
13882 4 PR LONG BRANCHES
13883 77 (EA BRANCH)
```

```
13284 1 PR PER QTR OF LOCK
13285 RECT
13286 8  12X10 EA SIDE
13287 240
13288 240/864
13289 XXXXX
13290 XXXXX
13291 4  180 DEG BENDS
13292 1-2-1-2-4
13293 HORIZ
13294 12X22 TO 2  5X15
13295 5X15 TO 5X12
13296
13240 XXXXX
13241 6 PR IN EA OF 8 BRANCHES
13242 1 LINE EA SIDE OF BRANCH
13243 RECT
13244 XXXXX
13250 XXXXX
13251 1.25
13252 3.46
13253 51.9 PER BRANCH
13254 51.9/60
13260 XXXXX
13261 3.25
13262 4.46
13263 X (1-FT-R FLARE)
13264 X (1-FT-R FLARE)
13265 27.5
13300 XXXXX
13310 S
13320 FR, FB, ER, EB
13330 S
13340 DES, +0, -6
13350 DES, +27, -5
13360 DES, +0, -0
13370
14000 XXXXX
14100 XXXXX
14110 616 (TOP OF MANIFOLD)
14120 X
14130 WALL & TEE
14140 NO
14150 X
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 FULL, HALF, QUARTER
14212 UPSTR, CTR, DNSTR
14213 9, 14
14214
14220 F, S, E
14230 FL, FR, FB, EL, ER, EB
14240 0.55 TO 8.00, 8
14250 DES, +0, -6
14260 DES, +7, -5
14270 DES, +7, -5
14280
14290 ALSO DELAYED R VALUE
15000 XXXXX
15100 XXXXX
15110 RTD

15180 18 X 14
15130 UA
15140 607.25
15150 HYDRAULIC
15160 SIX 12-IN-D
15170
15200 XXXXX
15210 RECT
15220 12 X 14
15230 606
15240 592
15250 X (SEE 13150 & 13130)
15260 X
15270 YES
15280 YES
15290 1 HORIZ BEND-90 DEG-EA SIDE,LENGTH BTWN BLKHDS:R-270,L-70
15300 XXXXX
15310 S,E
15320 ER,EB,EL
15330 1.03, 2.00, S
15340 DES, +0, -6
15350 DES, +7, -5
15360 BULKHEAD SLOTS UA
16000 XXXXX
16100 XXXXX
16110 19
16120 RECT
16130 12 X 14
16140 12 X 14
16150 UP
16160 X
16170
16200 XXXXX
16210 STRAIGHT OUTLET
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 2
16232 SIDE-BY-SIDE
16233 RECT
16240 XXXXX
16241 12
16242 14
16243
16244 1.0
16250 XXXXX
16251 12
16252 14
16253 27
16260
16300 XXXXX
16310 RIVER/POOL
16320 LONG
16330 750-NA-200
16340 SLANTED SILL
16350 X
16360
16400 XXXXX
16410 S
16420 ER,EB
16430 S
16440 -6
16450 DES
16460
17000 END PROJ. DATA FILE NO. P7901861
```

```
00001 PROJECT DATA FILE NO PB0H7981
00002 DATE 08/19/80
10000 XXXXX
10100 XXXXX
10110 PROJECT: MISS R 1
10120 DETAIL:
10130 REPORT:  TR HL-79-21
10200 XXXXX
10210 MISSISSIPPI RIVER
10220 847.6
10230 32847 706
10300 XXXXX
10310 37.9
10320
10330
10340 400
10350 56
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG/MG
10460 P
10500 XXXXX
10510 MISS. R. LOCK NO. 1
10520 ABLES
10530 YES
10540
10550 DEC 1979
10560 FEB 1978
10570 1:25;1:10
10580 SYSTEM, DETAIL
10590 2 CHAMBERS (LAND-& RIVERWARD)
11000 XXXXX
11100 XXXXX
11110 POOL
11120 LONG
11130 L:NA-60-450; R:80-60-NA
11140
11150
11160
11170 MODIFIED INT. PIER NOSE
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE & GUARD; BOTH SIDES MID. WALL
11230 11.3
11240 XXXXX
11241 6 EA WALL
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 5.5
11252 7
11253 231
11254 231/80
11260 XXXXX
11261 4
11262 5
11263 120
11264 180/80
11270 XXXXX
11271 1 TO 3.75
11272 5
11273 68.75
11274 68.75/80
11275 13.75/8
11300 XXXXX
11310 70
11320 RECT
11330 8 X 10
11340 8 X 10
11350 HORIZ
11360 2 HORIZ
11370
11400 XXXXX
11410 F,S
11420 FB
11430 S,4
11440 725
11450 687.2,704.5
11460
12000 XXXXX
12100 XXXXX
12110 RTD;SLIDE
12120 8 X 10.25; 8 X 7.5
12130
12140
12150
12160 (RECOMMENDED)
12170
12200 XXXXX
12210 RECT
12220 8X7.5
12230 686.2
12240 678.7
12250 8X10 TO 8X7.5
12260 X
12270 YES
12280 YES
12290 65 FT BTUN BLKHDS; 30 FT DROP; 2 VERT BENDS
12300 XXXXX
12310 F,S
12320 FB,FR
12330 S,2,4,6,8
12340 725 TO 727.5
12350 687.2 TO 704.5
12360 X
12370 OPEN OR SEALED
12380
13000 XXXXX
13100 XXXXX
13110 207
13120 RECT
13130 9.5 X 7.5
13140 71.25
13150 8X7.5 TO 8X7.5 TO 8X7.5
13160 X
13170 ROOF VENTS
13200 XXXXX
13210 SIDEPORT
13220 XXXXX
13221 X
13222 X
13223 X
```

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13224 X
13225 X
13226 X
13227 X
13228 X
13229 X
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 19 EA SIDE
13242 SINGLE LINE
13243 RECT
13244 PORT DEFLECTORS (4 TYPES)
13250 XXXXX
13251 1.5
13252 2.3
13253
13254     /71.25
13260 XXXXX
13261 2.1
13262 1.8
13263 EXPANSION
13264 CONTRACTION
13265 9.2
13300 XXXXX
13310 F,E,S
13320 FB,FR,EB,EL,ER
13330 S,2,4,6,8
13340 725 TO 727.5
13350 687.2 TO 727.5
13360 687.2
13370
14000 XXXXX
14100 XXXXX
14110 676.2; 678.7
14120 CROSS TRENCHES (8 TYPES)
14130 X
14140 RG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 F,H,O
14212 U,C,D
14213 9, 6.5
14214
14220 F,E
14230 FB,FR,EB,EL,ER
14240 2,4,6,8
14250 725 TO 727.5
14260 687.2 TO 727.5
14270 687.2
14280 11,8.5
14290
15000 XXXXX
15100 XXXXX
15110 RTD; SLIDE
```

```
15120 8 X 10.85; 8 X 7.5
15130
15140
15150
15160 (RECOMMENDED)
15170
15200 XXXXX
15210 RECT
15220 8 X 7.5
15230 686.2
15240 678.7
15250 X
15260 X
15270 YES
15280 YES
15290 80 FT BTWN BLKHDS
15300 XXXXX
15310 E,S
15320 EB,EL,ER
15330 S,2,4,6,8
15340 707.2 TO 725
15350 687.2
15360
16000 XXXXX
16100 XXXXX
16110 L:3; R OUT:27
16120 RECT
16130 8 X 7.5
16140 8 X 7.5
16150 L & R IN: HORIZ; R OUT: DOWN
16160 L & R IN: X; R OUT: HORIZ 90 DEG
16170
16200 XXXXX
16210 L:BOTTOM LAT; R: BOT LAT & BASIN
16220 L:APPROACH; R:APP & OUTSIDE R. WALL
16230 XXXXX
16231 L: 6 LAT W/4 PR EA; R:3 LAT W/4 PR EA & 4 IN OUT
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 LAT: 1.5; OUT: 4
16242 LAT:3 ; OUT: 6
16243
16244
16250 XXXXX
16251 LAT: 1.5; OUT 5
16252 LAT: 3; OUT 6
16253 14 TO 8.2
16260
16300 XXXXX
16310 POOL
16320 LONG
16330 L:NA-50-450; R:320-50-NA
16340 BASIN OUTSIDE R. WALL
16350 X
16360
16400 XXXXX
16410 E,S
16420 EB,EL,ER
16430 S,2,4,6,8
16440 707.2 TO 725
16450 687.2
16460
17000 END PROJ. DATA FILE NO. PBWT001
```

```
00001 PROJECT DATA FILE NO P81HB013
00002 DATE 02/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: BANKHEAD
10120 DETAIL:  PROTOTYPE
10130 REPORT:  TR HL-80-13
10200 XXXXX
10210 BLACK WARRIOR RIVER
10220 370.6
10230 15504 344
10300 XXXXX
10310 69
10320
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430 HB4
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 BANKHEAD PROTOTYPE
10520 TOOL
10530 WES
10540
10550 AUG 1980
10560 JUL 1976
10570 111
10580 SYSTEM
10590 PROTOTYPE TESTS (SEE WES TR H-72-6)& MATH MODEL RESULTS
11000 XXXXX
11100 XXXXX
11110 CANAL
11120
11130 NA-NA-678
11140
11150
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE GUIDE/INSIDE GUARD WALLS
11230 47
11240 XXXXX
11241 10 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340 14 X 14
11350 DOWN
11360
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 RT
12120 14 X 14
12130
12140
12150 HYDRAULIC
12160 2 12-IN DIAM
12170
12200 XXXXX
12210
12220 14 X 14
12230 176
12240 162
12250 X
12260 X
12270 YES
12280 YES
12290
12300 XXXXX
12310 F
12320 FB,FR,FL
12330 1,2,4, NON-SYNCH
12340 254.7 TO 253.8
12350 186.4 TO 221.4
12360 0,13,65,113 SQ IN
12370 SEALED
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210
13220 XXXXX
13221
13222
13223
```

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13224
13225 RECT (12-5X10)
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236 SPLITTER PIER IN CULVERT
13240 XXXXX
13241 12 PR PER LONG
13242 SINGLE LINE
13243 RECT
13244
13250 XXXXX
13251 1.5
13252 3.5
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 F,E
13320 FB,FR,EB,ER
13330 1
13340 254.7 TO 253.8
13350 186.4 TO 254.6
13360 186.0 TO 188.0
13370
14000 XXXXX
14100 XXXXX
14110 172
14120
14130 HORIZ & VERT
14140 MG,MG
14150
14160 X
14170 X
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 FE
14230 FB,FR,FL,EB,ER
14240 1,2,4 NON SYNCH
14250 254.7 TO 253.8
14260 186.4 TO 254.6
14270 186.0 TO 188.0
14280
14290
15000 XXXXX
15100 XXXXX
15110 RT
16120 14 X 14
16130
16140
16150
15160
15170
15200 XXXX
15210 RECT
15220 14 X 14
15230 176
15240 162
15250 X
15260 X
15270 YES
15280 YES
15290
15300 XXXXX
15310 E
15320 EB,ER
15330 1
15340 254.6 TO 246.5
15350 187.8 TO 186.9
15360
16000 XXXXX
16100 XXXXX
16110
16120 RECT
16130 14 X 14
16140
16150 DOWN
16160 1 HORIZ 90-DEG EA SIDE
16170
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA CULVERT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253 16.5
16260
16300 XXXXX
16310
16320
16330 NA-NA-575
16340
16350
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. PB1H0013
```

Table 3


```
00001 PROJECT DATA FILE NO PGMM017
00002 DATE 08/19/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: ARKANSAS R 17
10120 DETAIL: CANAL
10130 REPORT: TR HL-80-17
10200 XXXXX
10210 VERDIGRIS RIVER
10220 6.5
10230
10300 XXXXX
10310 21
10320 24
10330
10340 600
10350 110
10400 XXXXX
10410
10420
10430
10440
10450
10460
10500 XXXXX
10510 LOCK APPROACH CANAL SURGE
10520 HUVAL
10530 WES
10540
10550 SEP 1980
10560 MAR 1979
10570 111
10580 DETAIL
10590 SOME PROTOTYPE DATA; MATH MODEL
11000 XXXXX
11100 XXXXX
11110 CANAL
11120 8500
11130
11140
11150
11160
11170 VARIED WIDTH & DEPTH OF CANAL
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370 XXXXX
11400
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290 XXXXX
12300 F
12310 FB
12320 1
12330 511.3
12340 490
12350
12360
12370
12380
13000 XXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13200 XXXXX
13210 XXXXX
13211
13212
13213
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13224
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13226
13227
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13229
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13231
13238
13233
13234
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 105 X 600
14212 CANAL
14213 8.5
14214
14220
14230
14240
14250
14260
14270
14280
14290
15000 XXXXX
15100 XXXXX
15110
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260
16300 XXXXX
16310
16320
16330
16340
16350
16360
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. PBBM0017
```

```
00001 PROJECT DATA FILE NO PB3M0110
00002 DATAE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: CULVERT VALVE
10120 DETAIL:  LOSSES
10130 REPORT:  TR HL-81-10
10200 XXXXX
10210
10220
10230
10300 XXXXX
10310
10320
10330
10340
10350
10400 XXXXX
10410 X
10420 X
10430 X
10440 X
10450 X
10460 X
10500 XXXXX
10510 LOCK CULVERT VALVE
10520 PICKERING
10530 WES
10540
10550 SEP 1981
10560
10570 1:1 (MODEL)
10580 DETAIL
10590
11000 XXXXX
11100 XXXXX
11110
11120
11130
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11870 XXXXX
11871
11872
11873
11874
11875
11300 XXXXX
11310 17
11320 RECT
11330 0.56 X 0.56
11340 0.56 X 0.56
11350 HORIZ
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110 RT
12120 0.56 X 0.56
12130
12140 0.06 ABOVE ROOF
12150 X
12160 X
12170
12200 XXXXX
12210 RECT
12220 0.56 X 0.56
12230 0.56
12240 0
12250 X
12260 ROOF 1:10 & NONE
12270 YES
12280 X
12290 EXP AT VARIED DIST DNSTR OF VALVE
12300 XXXXX
12310 S
12320
12330 VARIED OPENINGS
12340 5.890 TO 1.933
12350 2.448 TO 0.960
12360 X
12370 X
12380
13000 XXXXX
13100 XXXXX
13110 14
13120 RECT
13130 0.56 X 0.56 TO 0.56 X 0.88
13140
13150
13160
13170
13800 XXXXX
13810
13820 XXXXX
13881
13882
13883
```

Table 3


```
13824
13825
13826
13827
13828
13829 XXXXX
13230
13231
13232
13833
13834
13235
13236
13240 XXXXX
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370 SEE 12300
14000 XXXXX
14100 XXXXX
14110
14120
14130
14140
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211
14212
14213
14214
14220
14230
14240
14250
14260
14270
14280
14290 XXXXX
15000 XXXXX
15100
15110
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290 XXXXX
15300 XXXXX
15310
15320
15330
15340
15350
15360 XXXXX
16000 XXXXX
16100 XXXXX
16110 14
16120 RECT
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220
16230 XXXXX
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244
16250 XXXXX
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320
16330
16340
16350
16360 XXXXX
16400 XXXXX
16410
16420
16430
16440
16450
16460
17000 END PROJ. DATA FILE NO. P0200110
```

```
00001 PROJECT DATA FILE NO PB4B1941
00002 DATE 08/19/86
10000 XXXXX
10100 XXXXX
10110 PROJECT: H M CHITTENDEN
10120 DETAIL:  GATE
10130 REPORT:  BHL 184-1
10200 XXXXX
10210 LAKE WASHINGTON SHIP CANAL
10220
10230
10300 XXXXX
10310 21
10320
10330
10340 825
10350 80
10400 XXXXX
10410
10420
10430 SP
10440
10450 MG,MG
10460 BU
10500 XXXXX
10510 HIRAM M. CHITTENDEN LOCK
10520 KUBO
10530 BONNEVILLE
10540
10550 APR 1983
10560 APR 1982
10570 1:50
10580
10590
11000 XXXXX
11100 XXXXX
11110
11120
11130 160-NA-225
11140
11150
11160
11170
11200 XXXXX
11210
11220
11230
11240 XXXXX
11241
11242
11243
11244
11250 XXXXX
11251
11252
11253
11254
11260 XXXXX
11261
11262
11263
11264
11270 XXXXX
11271
11272
11273
11274
11275
11300 XXXXX
11310
11320
11330
11340
11350
11360
11370
11400 XXXXX
11410
11420
11430
11440
11450
11460
12000 XXXXX
12100 XXXXX
12110
12120
12130
12140
12150
12160
12170
12200 XXXXX
12210
12220
12230
12240
12250
12260
12270
12280
12290
12300 XXXXX
12310
12320
12330
12340
12350
12360
12370
12380
13000 XXXXX
13100 XXXXX
13110
13120
13130
13140
13150
13160
13170
13800 XXXXX
13810
13820 XXXXX
13881
13888
13883
```

Table 3


```
13824
13825
13226
13227
13228
13229
13230 XXXXX
13231
13232
13233
13234
13235
13236 XXXXX
13240
13241
13242
13243
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310
13320
13330
13340
13350
13360
13370
14000 XXXXX
14100 XXXXX
14110 -29
14120 MITER GATE RECESSES
14130 X
14140 MITER (DOUBLE SET)
14150 5-FT BULKHEAD UNITS
14160 X
14170 X
14180 SALT WATER BARRIER
14200 XXXXX
14210 XXXXX
14211 X X
14212 X X
14213 X X
14214 X
14220
14230 SINGLE/MULTIPLE UNITS
14240 POSITION: 0 TO 28 FT
14250 22
14260 NA
14270 -2 TO 12
14280
14290 'VALUE' - 'GATE'
15000 XXXXX
15100 XXXXX
15110
15120
15130
15140
15150
15160
15170
15200 XXXXX
15210
15220
15230
15240
15250
15260
15270
15280
15290
15300 XXXXX
15310
15320
15330
15340
15350
15360
16000 XXXXX
16100 XXXXX
16110
16120
16130
16140
16150
16160
16170
16200 XXXXX
16210
16220 XXXXX
16230
16231
16232
16233
16240 XXXXX
16241
16242
16243
16244 XXXXX
16250
16251
16252
16253
16260 XXXXX
16300 XXXXX
16310
16320
16330 150-MA-376
16340
16350 XXXXX
16360
16400
16410
16420
16430
16440
16450
17000 END PROJ. DATA FILE NO. P8401841
```

```
00001 PROJECT DATA FILE NO PBSH8408
00002 DATE 02/19/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: U BOULDIN LOCK
10120 DETAIL:  & COOSA R VALUES
10130 REPORT:  TR HL-84-08
10200 XXXXX
10210 COOSA RIVER
10220 8.9
10230
10300 XXXXX
10310 130
10320
10330
10340
10350
10400 XXXXX
10410
10420
10430 VB4
10440
10450 MG,VL
10460
10500 XXXXX
10510 BOULDIN LOCK
10520 GEORGE
10530 WES
10540
10550 SEP 1984
10560 FEB 1983
10570 1:25,1:15
10580 SYSTEM,DETAIL
10590 TAINTER VALVE DETAIL
11000 XXXXX
11100 XXXXX
11110 CANAL
11120
11130
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 INSIDE APPROACH WALL
11230 13.1
11240 XXXXX
11241 10 EA SIDE
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 12
11252 14
11253 1680
11254 1680/144
11260 XXXXX
11261 10
11262 12
11263 1200
11264 1200/144
11270 XXXXX
11271 1.8 TO 4.4 (9-21.7)
11272 18
11273 880.4
11274 880.4/12
11275 21.7/12
11300 XXXXX
11310 218
11320 RECT
11330 12X12
11340 12X12
11350 DOWN
11360 8 VERT
11370
11400 XXXXX
11410 F,S
11420 FB,FL
11430 S,1.2,4
11440 252
11450 122 TO 140
11460
12000 XXXXX
12100 XXXXX
12110 RTS
12120 12X12
12130 20
12140 109
12150 ROD,TRUSS
12160 X
12170
12200 XXXXX
12210 RECT
12220 12X12
12230 106
12240 94
12250 X
12260 X
12270 YES,CULV ROOF EXTEN.
12280 UPSTR ONLY
12290 ASSUME 50 FT LENGTH
12300 XXXXX
12310 F,S
12320 FB,FL,TEST
12330 S,1.2,4
12340 252
12350 122 TO 209
12360 X
12370 U&UO IN VALVE TESTS
12380
13000 XXXXX
13100 XXXXX
13110 ASSUME 510
13120 RECT
13130 12X12
13140 144
13150 12X12-12X14-12X12
13160 8 VERT
13170
13200 XXXXX
13210 VB4
13220 XXXXX
13221 4 BRANCH LOADS
13222 2 PR LOAD BRANCHES
13223 168 EA BRANCH
```

```
13224 EA PR CTRD ON QTR PT
13225 RECT
13226 2 12X8 EA SIDE
13227 188
13228 188/144
13229
13230 XXXXX
13231 4 180-DEG BENDS
13232 1-2-1-2
13233 HORIZ
13234 12X14 TO 2 12X8
13235
13236
13240 XXXXX
13241 9 PR EA BRANCH
13242 1 LINE EA SIDE OF BR
13243 RECT
13244
13250 XXXXX
13251 1.5
13252 3.5
13253 94.5 PER BRANCH
13254 94.5/96
13260 XXXXX
13261 1.5(+0.25 CHAMFER)
13262 3.5(+0.25 CHAMFER)
13263 X
13264 X
13265 28.5
13300 XXXXX
13310 F,E
13320 FB,FL,EB,EL,ER
13330 1,2,4
13340 252
13350 122 TO 140
13360 122 TO 140
13370
14000 XXXXX
14100 XXXXX
14110 102
14120 CULV SYS RECESSED
14130 LONG & VERT
14140 MG,UL
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 4,6 BARGES
14212 U,C,D
14213 9
14214
14220 F,E
14230 FB,FL,EB,EL
14240 1,2,4
14250 252
14260 122 TO 140
14270 122 TO 140
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTS
15120 12X12
15130 80
15140 102
15150 ROD,TRUSS
15160 X
15170
15200 XXXXX
15210 RECT
15220 12X12
15230 99
15240 87
15250 X
15260 X
15270 YES,CULV ROOF EXTEN.
15280 UPSTR ONLY
15290 ASSUME 50 FT LENGTH
15300 XXXXX
15310 E,S
15320 EB,EL,TEST
15330 S,1,2,4
15340 252
15350 122 TO 200
15360 VALVD BLKHD SLOTS
16000 XXXXX
16100 XXXXX
16110 ASSUME 190
16120 RECT
16130 12X12
16140 12X12
16150 HORIZ
16160 1 90-DEG HORIZ
16170
16200 XXXXX
16210 SINGLE BOTTOM LAT
16220 IN APPRCH;OUT RT VAL
16230 XXXXX
16231 8 PR PER LAT
16232 SINGLE LINES
16233 RECT
16240 XXXXX
16241 3
16242 6
16243 288 PER LAT
16244 288/144
16250 XXXXX
16251 3(+0.5 R FLARE)
16252 6(+0.5 R FLARE)
16253 29
16260
16300 XXXXX
16310 CANAL
16320
16330
16340
16350
16360
16400 XXXXX
16410 E,S
16420 EB,EL,ER
16430 S,1,2,4
16440 252
16450 122 TO 140
16460
17000 END PROJ. DATA FILE NO. PSSM8408
```

```
00001 PROJECT DATA FILE NO PBSH8800
00002 DATE 08/19/88
10000 XXXXX
10100 XXXXX
10110 PROJECT: JOHN DAY
10120 DETAIL:  PROTOTYPE
10130 REPORT:  TR HL-88-00
10200 XXXXX
10210 COLUMBIA RIVER
10220 215.6
10230 92217 406
10300 XXXXX
10310 105
10320 113
10330
10340 675
10350 86
10400 XXXXX
10410
10420
10430 BLC-S
10440
10450 US,UO
10460 N
10500 XXXXX
10510 JOHN DAY PROTOTYPE
10520 PICKETT&NEILSON
10530 WES
10540
10550
10560 SEPT 1972
10570 1:1
10580 SYSTEM
10590 PROTOTYPE TESTS
11000 XXXXX
11100 XXXXX
11110 POOL
11120 VERY LONG
11130 703-NA-311
11140
11150 SUBMERGENCE
11160
11170
11200 XXXXX
11210 SIDEWALL
11220 IN/OUT GUARD WALL
11230 65
11240 XXXXX
11241 4 EA WALL
11242 SINGLE LINE
11243 RECT
11244
11250 XXXXX
11251 8
11252 30
11253 900
11254 900/240
11200 XXXXX
11201 8
11202 30
11203 900
11204 900/240
11270 XXXXX
11271
11272 30
11273
11274   /240
11275   /12
11300 XXXXX
11310 110
11320 RECT
11330 12X30
11340 12X14
11350 DOWN
11360 2 VERT
11370
11400 XXXXX
11410 X
11420 X
11430 X
11440 X
11450 X
11460 X
12000 XXXXX
12100 XXXXX
12110 RTD
12120 12X14
12130 19.5
12140 129.25
12150 HYDRAULIC
12160 2 12-IN-DIAMETER
12170
12200 XXXXX
12210 RECT
12220 12X14
12230 128
12240 114
12250 X
12260 12X14 TO 12X16.3
12270 YES
12280 YES
12290 82.5 FT BTWN BLKHDS
12300 XXXXX
12310 F
12320 FB,FR
12330 1:40 TO 15:27,DELAYS
12340 263.8-262.0
12350 199.8 TO 157.4
12360 0,1,2
12370 OPEN,CLOSED
12380
13000 XXXXX
13100 XXXXX
13110 6568742
13120 RECT
13130 12X20
13140 240
13150 12X16.3-12X20-12X14
13160 R:1 90 DEG HORIZ
13170
13800 XXXXX
13810 SPLIT BOTTOM LATERAL
13820 XXXXX
13881 5 EA SIDE
13882 THIRD POINTS
13823 88
```

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13224 86
13225 RECT
13226 8X4(+FLARE)
13227 100 EA SIDE
13228 100/840
13229
13230 XXXXX
13231 X
13232 X
13233 X
13234 X
13235 X
13236 X
13240 XXXXX
13241 6 PR EA LAT
13242 SINGLE LINES
13243 RECT
13244
13250 XXXXX
13251
13252
13253
13254
13260 XXXXX
13261
13262
13263
13264
13265
13300 XXXXX
13310 F,E
13320 FB,FR,EB
13330 1:40 TO 15:27,DELAYS
13340 263.8 TO 262.6
13350 157.4 TO 262.6
13360 161.5 TO 157.5
13370
14000 XXXXX
14100 XXXXX
14110 138
14120 LAT SYS RECESSED
14130 X
14140 VS,VO
14150
14160
14170
14180
14200 XXXXX
14210 XXXXX
14211 X
14212 X
14213 X
14214 X
14220 F,E
14230 FB,FR,EB
14240 1:40 TO 15:27,DELAYS
14250 263.8 TO 262.6
14260 157.4 TO 262.6
14270 161.5 TO 157.5
14280
14290
15000 XXXXX
15100 XXXXX
15110 RTD
15120 12X14
15130 18.5
15140 136.25
15150 HYDRAULIC
15160
15170
15200 XXXXX
15210 RECT
15220 12X14
15230 134
15240 120
15250 X
15260 X
15270 YES
15280 YES&UPSTR BLKHD
15290 49&10 FT BTWN BLKHDS
15300 XXXXX
15310 F
15320 FR
15330 1:41,1:48
15340 170.8,162.5
15350
15360 UPSTR BLKHD IN PLACE
16000 XXXXX
16100 XXXXX
16110 79
16120 RECT
16130 12X14
16140 18X14
16150 HORIZ
16160 L:1 90 DEG HORIZ
16170
16200 XXXXX
16210 SINGLE PORT
16220 OUTSIDE RIVER WALL
16230 XXXXX
16231 1 EA PORT
16232 ADJACENT
16233 RECT
16240 XXXXX
16241 12
16242 14
16243 168
16244 168/840
16250 XXXXX
16251 17.5
16252 14
16253 86
16260
16300 XXXXX
16310 POOL
16320 VERY LONG
16330 700-MA-437
16340 BASIN
16350 X
16360
16400 XXXXX
16410 X
16420 X
16430 X
16440 X
16450 X
16460 X
17000 END PROJ. DATA FILE NO. P86M0000
```

Table 3

END
DATE
FILMED
7-88
DTIC