APPENDIX 4
PLATES

YAZOO BACKWATER AREA REFORMULATION

APPENDIX 4
PLATES

Table of Contents

No.	Title
1	PROJECT LOCATION AND VICINITY MAP
2	YAZOO BACKWATER AREA DRAINAGE AREA
3	YAZOO BACKWATER AREA PROJECT FEATURES
4	ECONOMIC REACHES
5	LEVEE ALTERNATIVE
6	THIRD ARRAY
7	ELEVATION-AREA CURVES FOR REACH 1
8	ELEVATION-AREA CURVES FOR REACH 2
9	ELEVATION-AREA CURVES FOR REACH 3
10	ELEVATION-AREA CURVES FOR REACH 4
11	ELEVATION-STORAGE CURVES
12	UNIT HYDROGRAPH CURVE FOR REACH 1
13	UNIT HYDROGRAPH CURVE FOR REACH 2, 3, 4
14	STEELE BAYOU TAILWATER RATING CURVE
15	STEELE BAYOU FLOODGATE RATING CURVE
16	LITTLE SUNFLOWER TAILWATER RATING CURVE

Table of Contents (Cont)

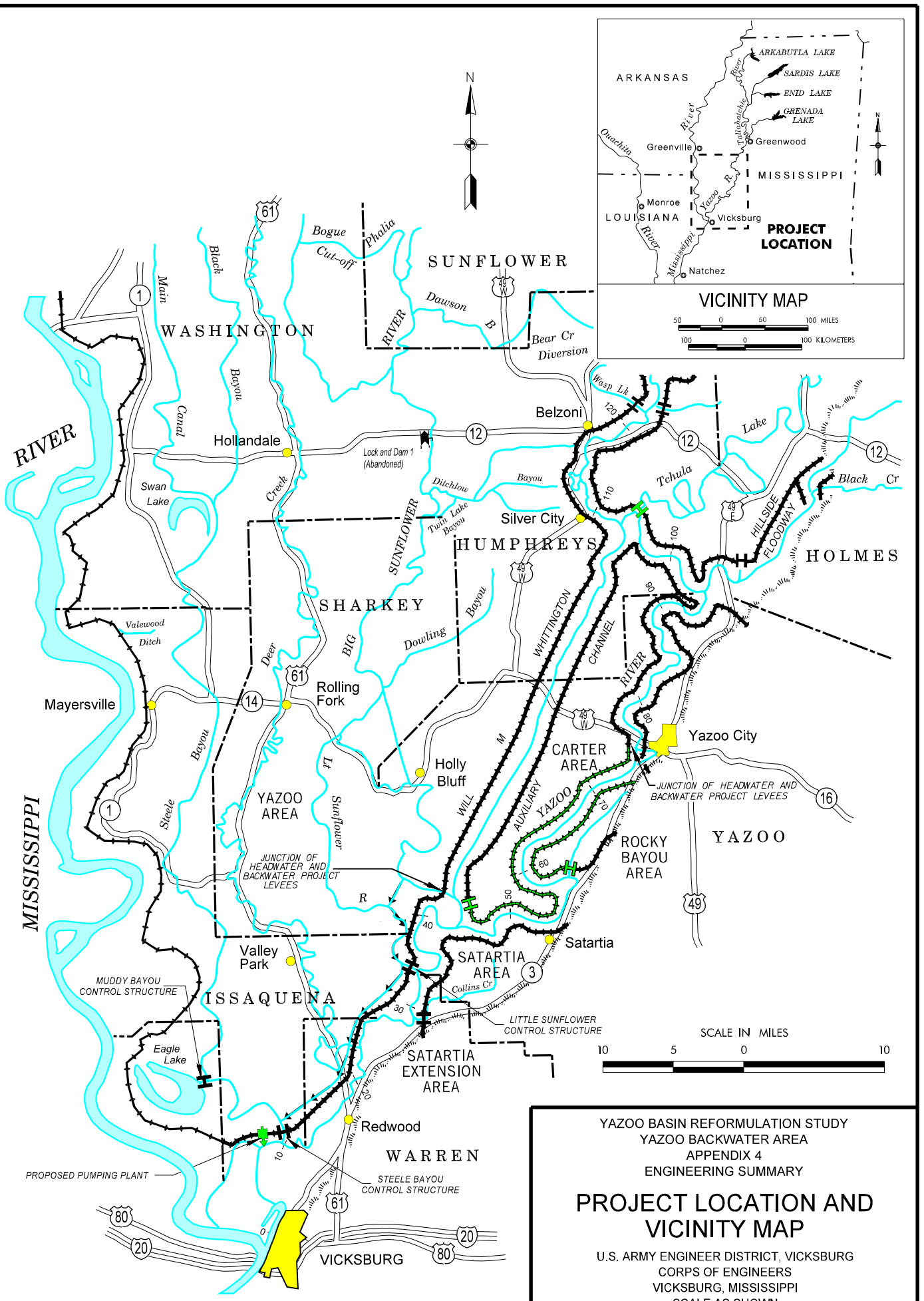
No.	Title
17	LITTLE SUNFLOWER FLOODGATE RATING CURVE
18	CONNECTING CHANNEL RATING CURVE
19	SEEPAGE CURVE
20	HEAD-DISCHARGE PUMP CURVE
21	1973 BASE CONDITION HYDROGRAPH VERSUS 1973 RECOMMENDED PLAN HYDROGRAPH
22	STAGE-FREQUENCY CURVES FOR BASE CONDITIONS
23	STAGE-FREQUENCY CURVES FOR THE RECOMMENDED PLAN
24	STAGE-DURATION CURVES FOR REACH 1
25	STAGE-DURATION CURVES FOR REACHES 2, 3, 4
26	1-YEAR FREQUENCY FLOOD DELINEATION FOR BASE CONDITION AND RECOMMENDED PLAN
27	2-YEAR FREQUENCY FLOOD DELINEATION FOR BASE CONDITION AND RECOMMENDED PLAN
28	10-YEAR FREQUENCY FLOOD DELINEATION FOR BASE CONDITION AND RECOMMENDED PLAN
29	100-YEAR FREQUENCY FLOOD DELINEATION FOR BASE CONDITION AND RECOMMENDED PLAN
30	STRUCTURAL AND NONSTRUCTURAL FLOOD PROTECTION DELINEATION
31	1-YEAR FREQUENCY LAND CLASSIFICATIONS FOR BASE CONDITIONS
32	2-YEAR FREQUENCY LAND CLASSIFICATIONS FOR BASE CONDITIONS
33	10-YEAR FREQUENCY LAND CLASSIFICATIONS FOR BASE CONDITIONS

Table of Contents (Cont)

No.	Title
34	100-YEAR FREQUENCY LAND CLASSIFICATIONS FOR BASE CONDITIONS
35	1-YEAR FREQUENCY LAND CLASSIFICATIONS FOR RECOMMENDED PLAN
36	2-YEAR FREQUENCY LAND CLASSIFICATIONS FOR RECOMMENDED PLAN
37	10-YEAR FREQUENCY LAND CLASSIFICATIONS FOR RECOMMENDED PLAN
38	100-YEAR FREQUENCY LAND CLASSIFICATIONS FOR RECOMMENDED PLAN
39	JURISDICTIONAL WETLANDS
40	100-YEAR FREQUENCY BASE CONDITIONS AND FWS FUTURE CONVERTED PROJECTIONS
41	TOTAL FARMED WETLANDS
42	FLOOD CONTROL IMPACTS FROM THE FINAL ARRAY OF ALTERNATIVES JANUARY-JUNE
43	FLOOD CONTROL IMPACTS FROM THE FINAL ARRAY OF ALTERNATIVES JULY-DECEMBER
44	HYDROLOGICAL REFORESTATION IMPACTS FROM THE FINAL ARRAY OF ALTERNATIVES JANUARY-DECEMBER
45	HYDROLOGICAL REFORESTATION IMPACTS FROM THE FINAL ARRAY OF ALTERNATIVES JULY-DECEMBER
46	COMPLETED SITE PLAN
47	PRIOR EARTHWORK
48	SECTIONS
49	DETAILED SITE PLAN

Table of Contents (Cont)

No.	Title
50	PUMPING PLANT DETAILS
51	COMPOSITE TRANSVERSE SECTION
52	ARRANGEMENT TRANSVERSE SECTION
53	ARRANGEMENT UPPER PLAN SHEET 1
54	ARRANGEMENT UPPER PLAN SHEET 2
55	ARRANGEMENT LOWER PLAN SHEET 1
56	LOWER PLAN SHEET 2
57	LOADING DOCK
58	SURFACE GEOLOGY
59	GEOLOGIC SECTION AT CENTER LINE OF PUMPING PLANT
60	GEOLOGIC SECTION AT CENTER LINE OF CHANNEL



YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

PROJECT LOCATION AND VICINITY MAP

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: FEBRUARY 2000 FILE NO.

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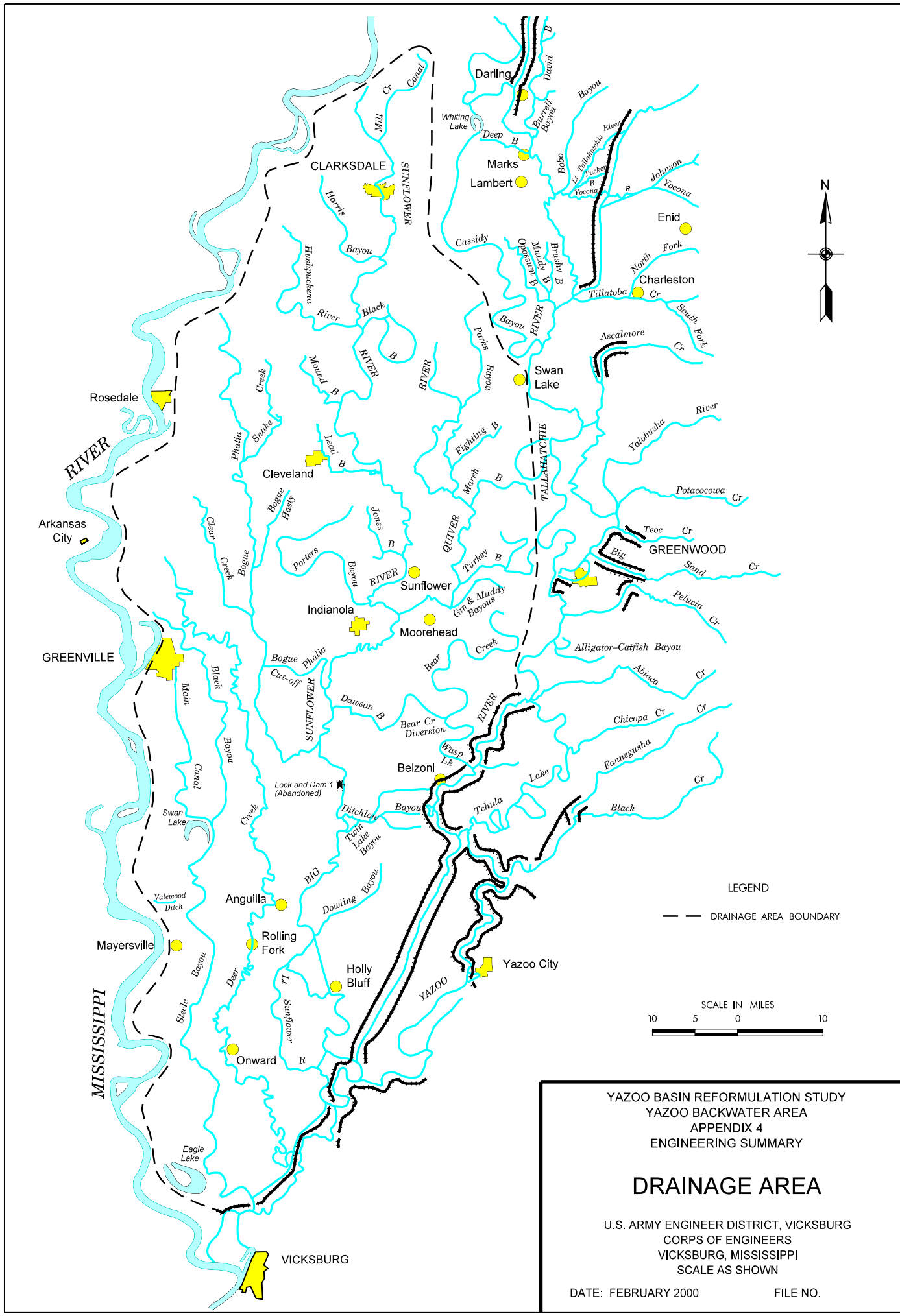
PLATE 4-1

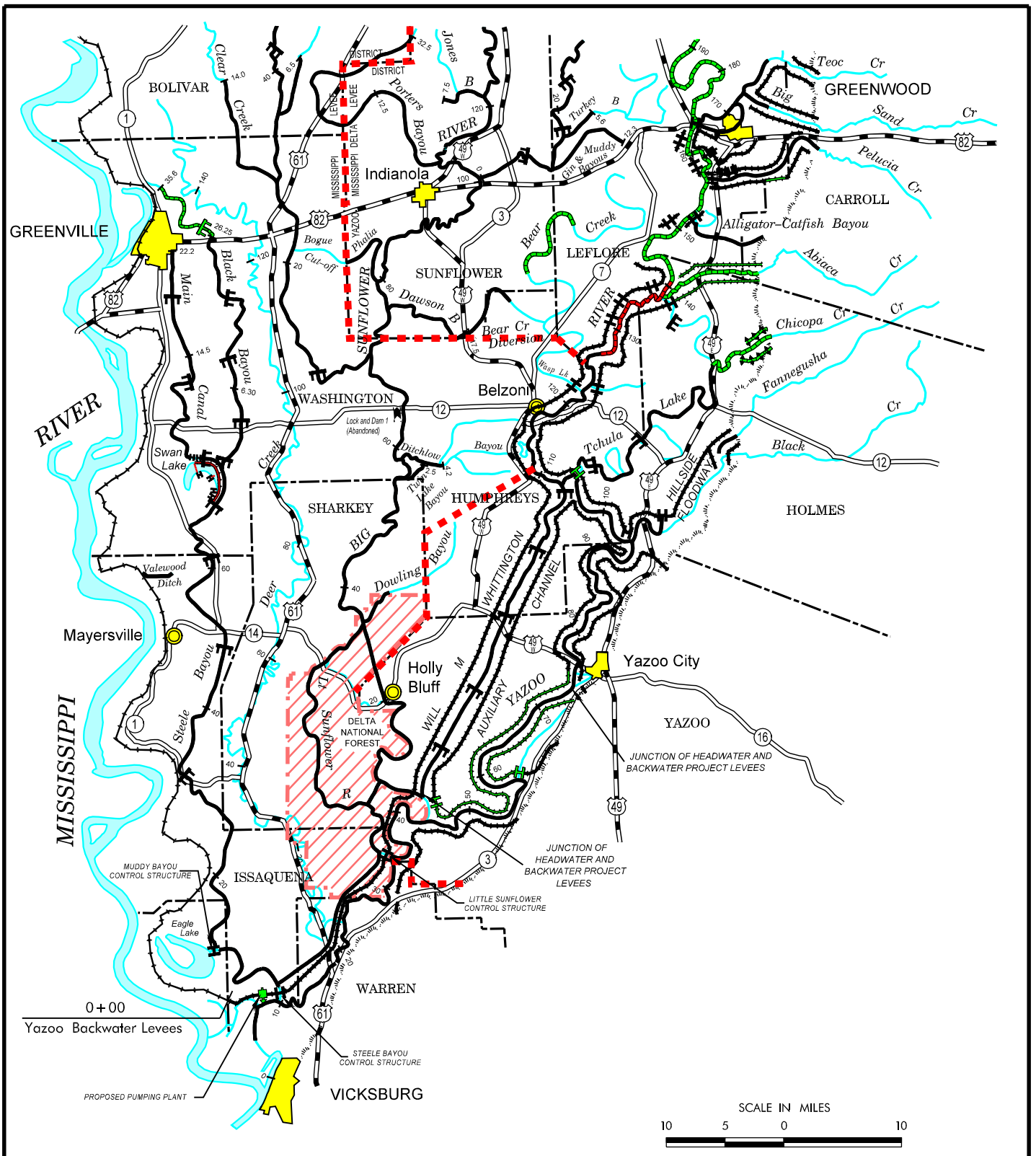


YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

DRAINAGE AREA

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: FEBRUARY 2000 FILE NO.

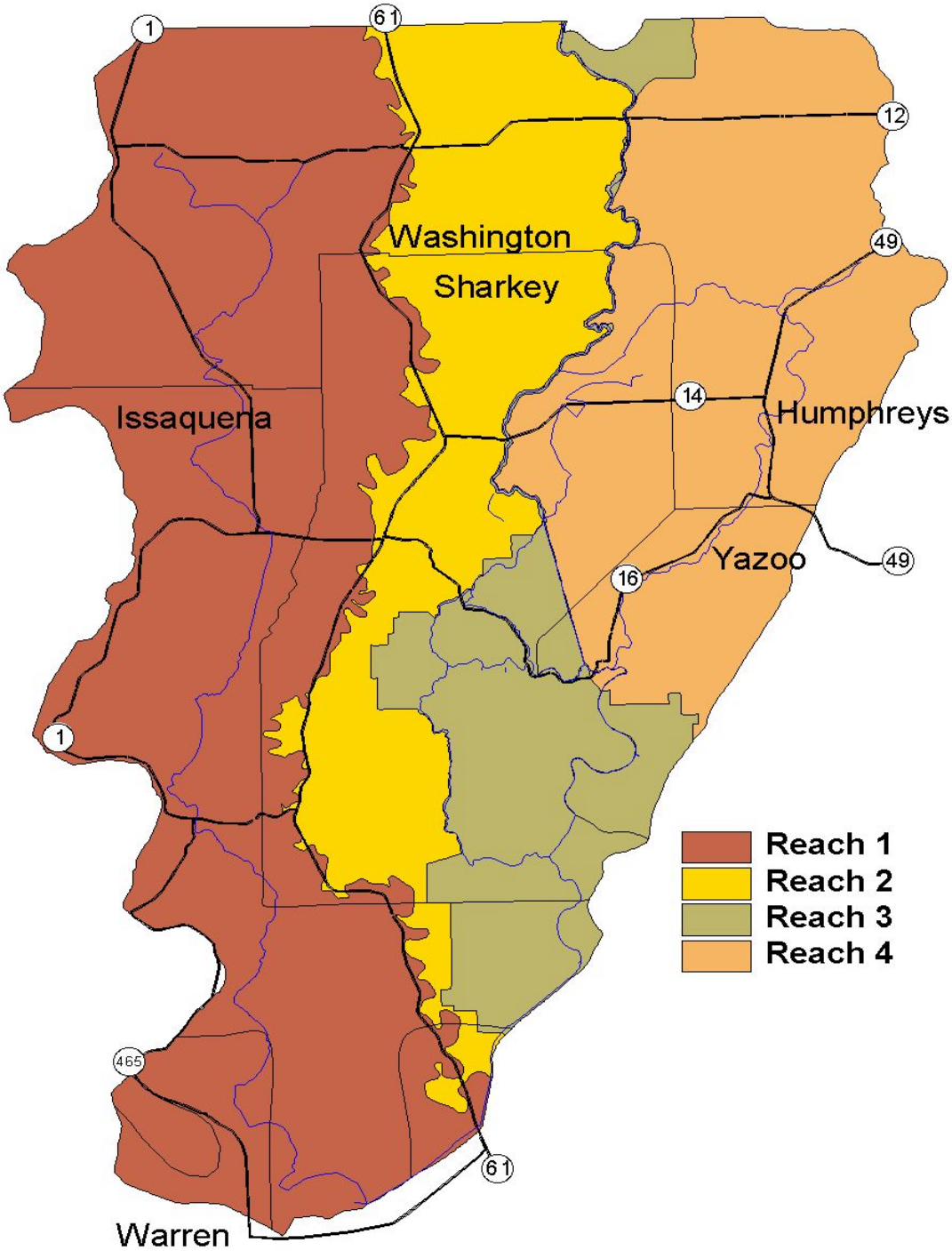


YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

PROJECT FEATURES

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: FEBRUARY 2000 FILE NO.

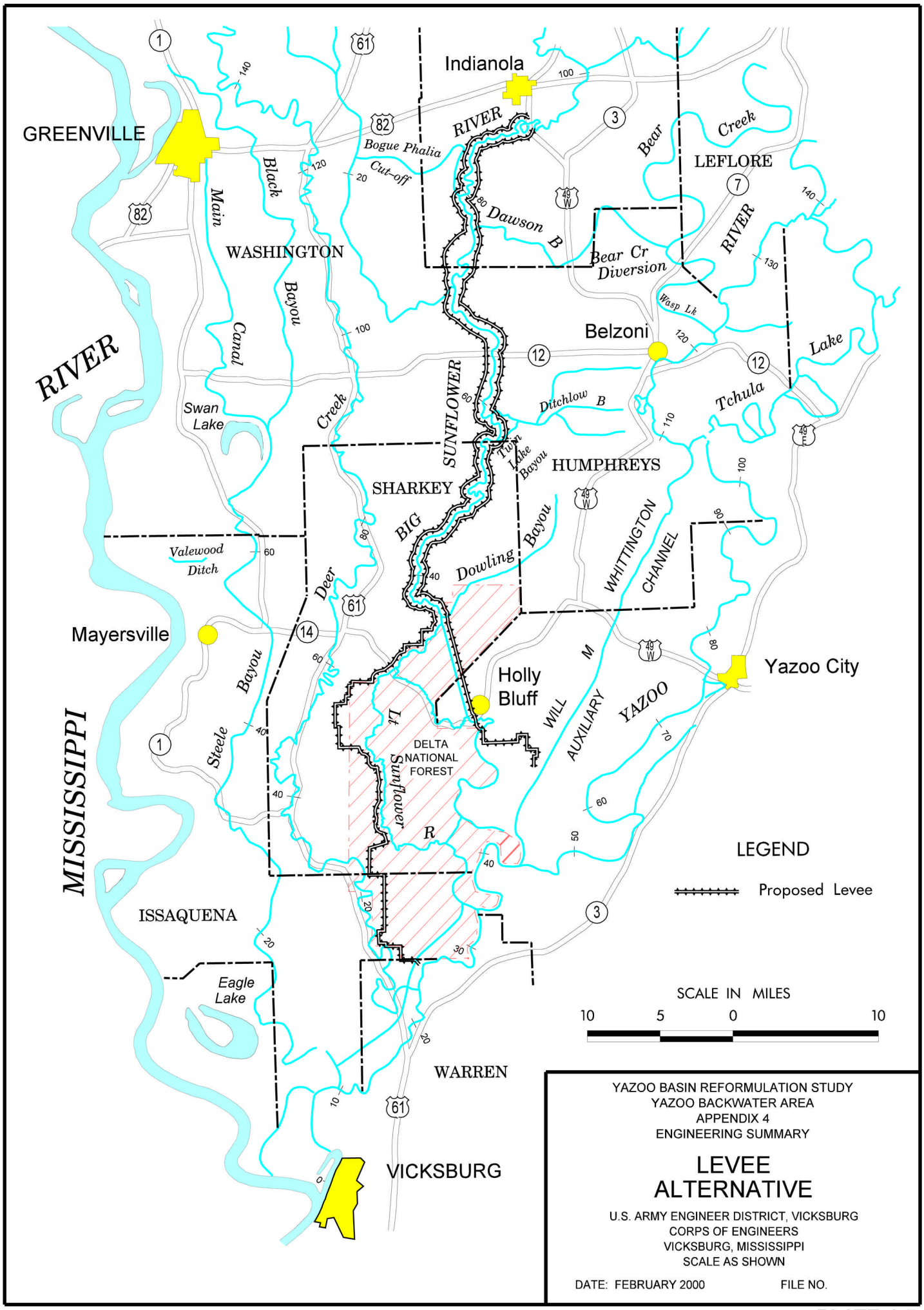


ENGINEERING SUMMARY

YAZOO BACKWATER ECONOMIC REACHES

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

PLATE 4-4



YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

LEVEE ALTERNATIVE

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

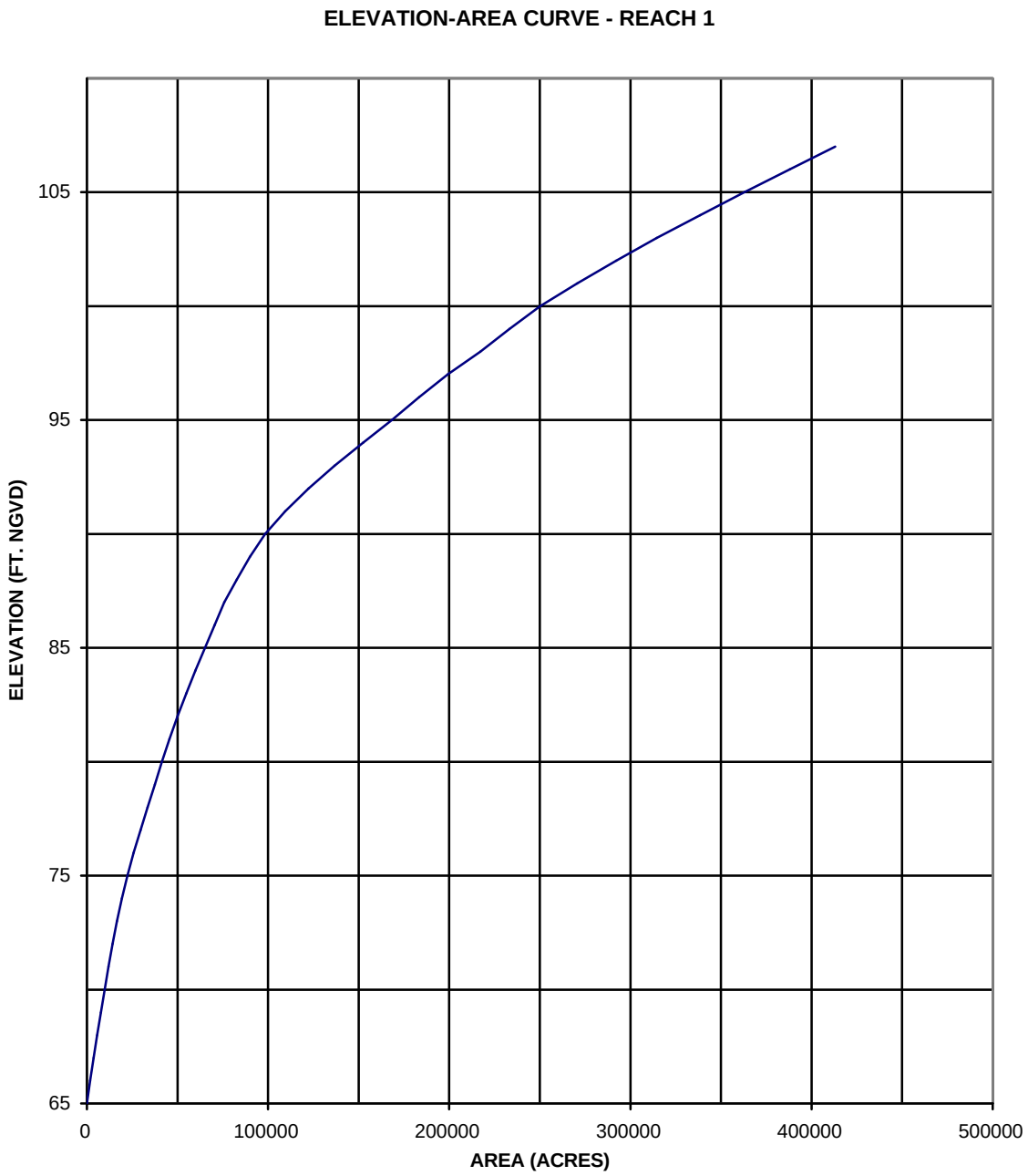
DATE: FEBRUARY 2000 FILE NO.

PLATE 4-5

THIRD ARRAY

Plan	Construction Cost											Average Annual Cost					Average Annual Benefit	Excess Benefits
	Easements				Reforestation		Environmental Impacts	Mitigation Cost	Structural Modification	Pump	Total	Project	Project O&M	Major Replacement	Mitigation O&M	Total		
	Conservation Woodlands	Reforestation Open Lands a/	Flowage/ Water Management	Total ($ Million)	Acres	($ Million)	(HU)	($ Million)	($ Million)	($ Million)	($ Million)	($000)	($000)	($000)	($000)	($000)	($000)	($000)
NONSTRUCTURAL PLANS																		
1	Preserve below 100.3	Use retained	N/A	311	0	0	0	0	0	0	311	19,212	0	0	0	19,212	0	-19,212
2	Preserve below 100.3	Reforest below 90.0	N/A	306	101,800	14.3	70,500	0	0	0	320	23,577	0	0	0	23,577	-4,452	-28,029
COMBINATION PLANS - 14,000 CFS PUMP a/																		
3	Preserve below 85.0	Use retained below 85.0	N/A	42.1	0	0	-25,700	17.0	0	120	179	14,089	1,100	154	164	15,507	16,242	**735**
4	Preserve below 85.0	Use retained below 85.0	Below 80.0 b/	63.5	0	0	-18,200	12.0	0.35	120	196	15,325	1,100	154	117	16,696	16,242	-454
5	Preserve below 85.0	Use retained below 85.0	Below 85.0 c/	81.7	0	0	-18,300	12.1	0.35	120	214	16,672	1,100	154	117	18,043	16,242	-1,801
6	Preserve below 85.0	Reforest below 85.0	N/A	56.0	53,000	7.4	34,100	0	0	120	183	14,405	1,100	154	0	15,659	16,900	**1,241**
7	Preserve below 85.0	Reforest below 85.0	Below 80.0 b/	70.2	53,000	7.4	44,400	0	0.35	120	198	15,479	1,100	154	0	16,733	16,900	**167**
8	Preserve below 85.0	Reforest below 85.0	Below 85.0 c/	81.7	53,000	7.4	44,300	0	0.35	120	209	16,326	1,100	154	0	17,580	16,900	-680
9	Preserve below 90.0	Use retained below 90.0	N/A	85.2	0	0	2,700	0	0	120	205	16,010	1,100	154	0	17,264	13,387	-3,877
10	Preserve below 90.0	Use retained below 90.0	Below 80.0 b/	102	0	0	12,800	0	0.35	120	222	17,275	1,100	154	0	18,529	13,387	-5,142
11	Preserve below 90.0	Use retained below 90.0	Below 85.0 c/	117	0	0	12,800	0	0.35	120	237	18,379	1,100	154	0	19,633	13,387	-6,246
12	Preserve below 90.0	Reforest below 90.0	N/A	135	101,800	14.3	74,500	0	0	120	269	20,729	1,100	154	0	21,983	13,883	-8,100
13	Preserve below 90.0	Reforest below 90.0	Below 80.0 b/	139	101,800	14.3	88,600	0	0.35	120	274	21,051	1,100	154	0	22,305	13,883	-8,422
14	Preserve below 90.0	Reforest below 90.0	Below 85.0 c/	141	101,800	14.3	88,600	0	0.35	120	276	21,199	1,100	154	0	22,453	13,883	-8,570
COMBINATION PLANS - 17,500 CFS PUMP a/																		
15	Preserve below 85.0	Use retained below 85.0	N/A	42.1	0	0	-30,200	20.0	0	143	205	16,181	1,212	192	194	17,779	18,052	**273**
16	Preserve below 85.0	Use retained below 85.0	Below 80.0 b/	63.5	0	0	-23,100	15.3	0.35	143	222	17,439	1,212	192	148	18,991	18,052	-939
17	Preserve below 85.0	Use retained below 85.0	Below 85.0 c/	81.7	0	0	-23,100	15.3	0.35	143	240	18,779	1,212	192	148	20,331	18,052	-2,279
18	Preserve below 85.0	Reforest below 85.0	N/A	56.0	53,000	7.4	27,300	0	0	143	206	16,277	1,212	192	0	17,681	18,159	**478**
19	Preserve below 85.0	Reforest below 85.0	Below 80.0 b/	70.2	53,000	7.4	37,200	0	0.35	143	221	17,351	1,212	192	0	18,755	18,159	-596
20	Preserve below 90.0	Reforest below 85.0	Below 85.0 c/	81.7	53,000	7.4	37,200	0	0.35	143	232	18,197	1,212	192	0	19,601	18,159	-1,442
21	Preserve below 90.0	Use retained below 90.0	N/A	85.2	0	0	600	0	0	143	228	17,882	1,212	192	0	19,286	14,794	-4,492
22	Preserve below 90.0	Use retained below 90.0	Below 80.0 b/	102	0	0	10,700	0	0.35	143	245	19,147	1,212	192	0	20,551	14,794	-5,757
23	Preserve below 90.0	Use retained below 90.0	Below 85.0 c/	117	0	0	10,700	0	0.35	143	260	20,251	1,212	192	0	21,655	14,794	-6,861
24	Preserve below 90.0	Reforest below 90.0	N/A	135	101,800	14.3	71,600	0	0	143	292	22,598	1,212	192	0	24,002	14,917	-9,085
25	Preserve below 90.0	Reforest below 90.0	Below 80.0 b/	139	101,800	14.3	85,700	0	0.35	143	297	22,923	1,212	192	0	24,327	14,917	-9,410
26	Preserve below 90.0	Reforest below 90.0	Below 85.0 c/	141	101,800	14.3	85,700	0	0.35	143	299	23,070	1,212	192	0	24,474	14,917	-9,557
STRUCTURAL PLANS a/																		
27 (14K P) d/	N/A	N/A	N/A	0	0	0	-40,000	26.6	0	120	147	11,697	1,100	154	258	13,209	17,539	**4,330**
28 (17.5K P) d/	N/A	N/A	N/A	0	0	0	-52,100	34.4	0	143	177	14,142	1,212	192	334	15,880	19,664	**3,784**
29 (LEV)	N/A	N/A	N/A	0	0	0	-29,200	22.4	0	215.5 e/	22	17,675	173	0	187	18,035	15,102	**-2,933**
30 (14K P)	Preserve below 100.3	N/A	N/A	73.3	0	0	-40,200	26.6	0	120	220	17,092	1,100	154	258	18,604	17,539	-1,065

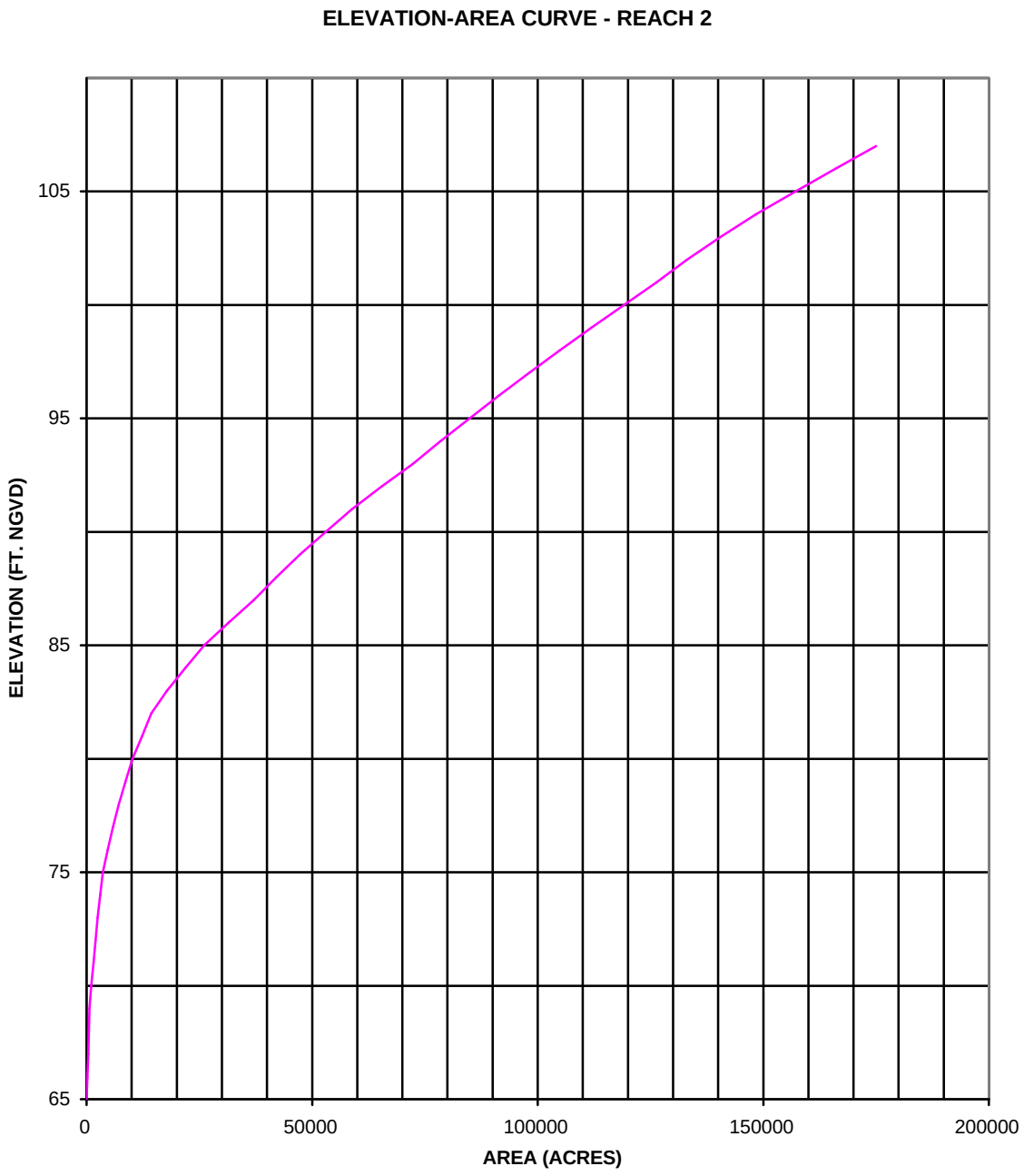
a/ Pump would be operated to provide flood damage reduction for cleared lands above the easement elevation.
b/ 1 December - 1 March.
c/ 80 feet, NGVD, 1 December - 1 January and 15 February - 1 March; 85 feet, NGVD, 1 January - 15 February.
d/ Pump would be operated to provide flood damage reduction for cleared lands above elevation 80 feet
except during 1 December - 1 March when pump would be operated at 85 feet, NGVD.
e/ Does not reflect cost of pump but of the levee.



ENGINEERING SUMMARY

ELEVATION - AREA CURVE
REACH 1

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

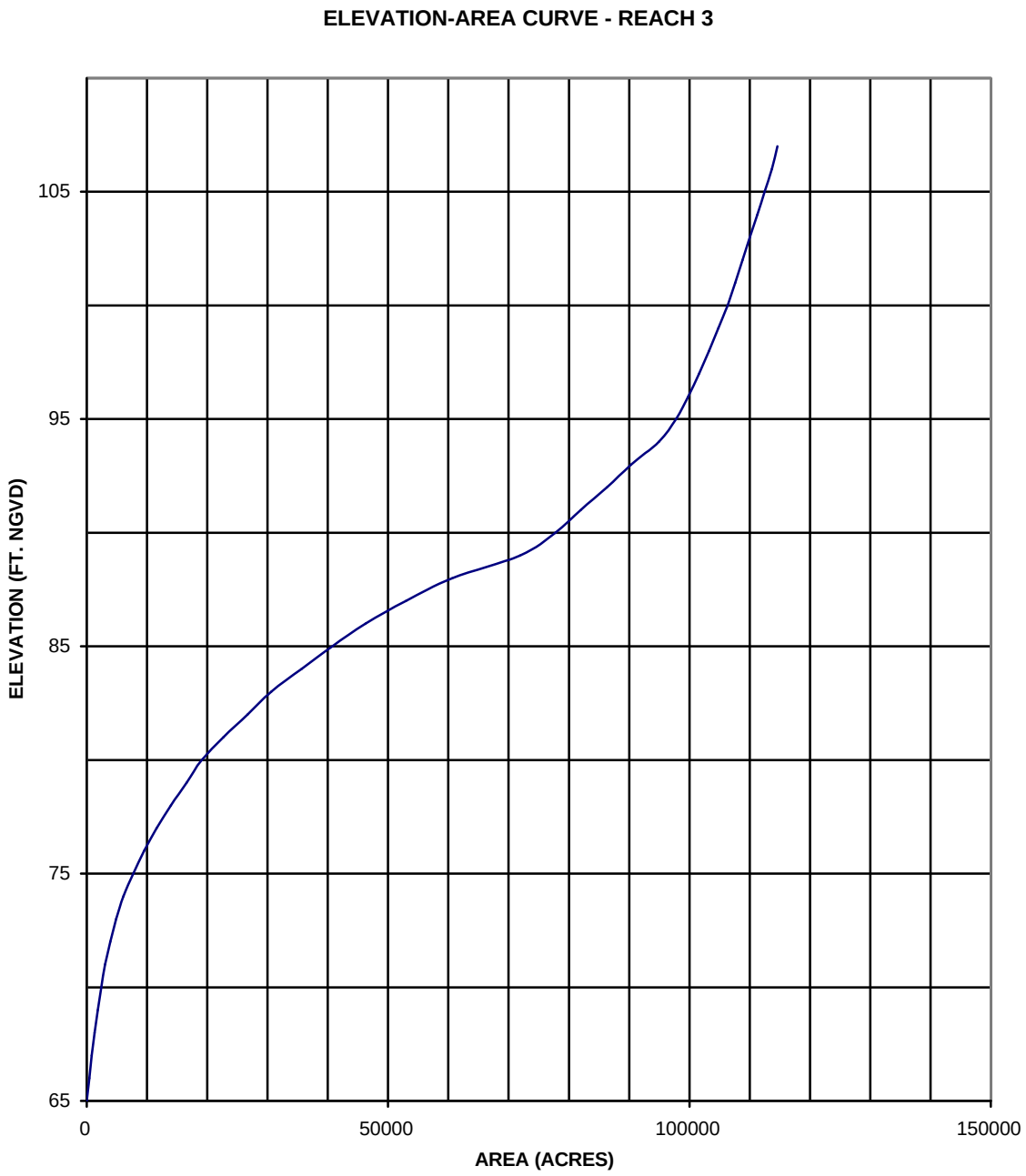


ENGINEERING SUMMARY

ELEVATION - AREA CURVE
REACH 2

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

PLATE 4-8

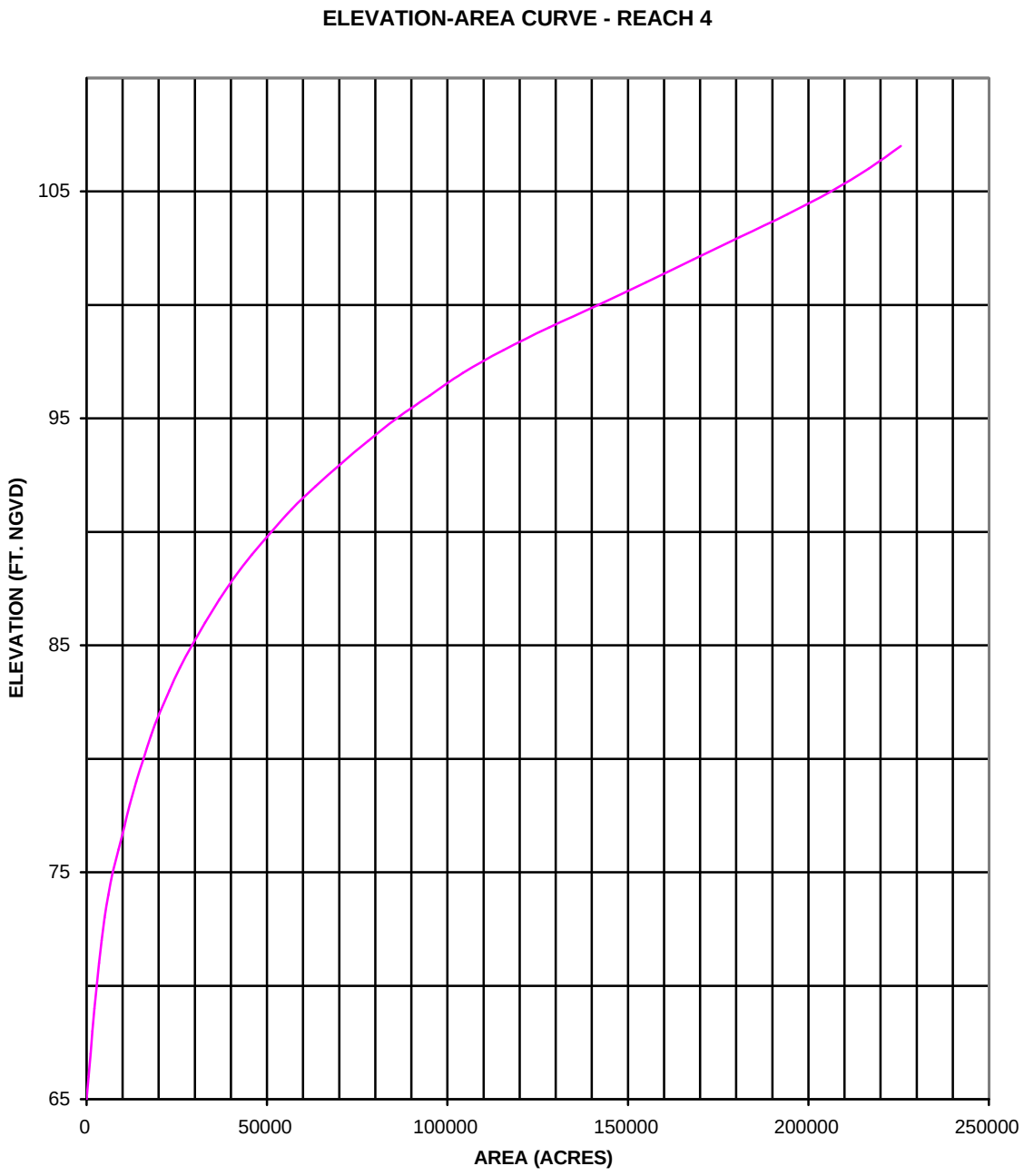


ENGINEERING SUMMARY

ELEVATION - AREA CURVE
REACH 3

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

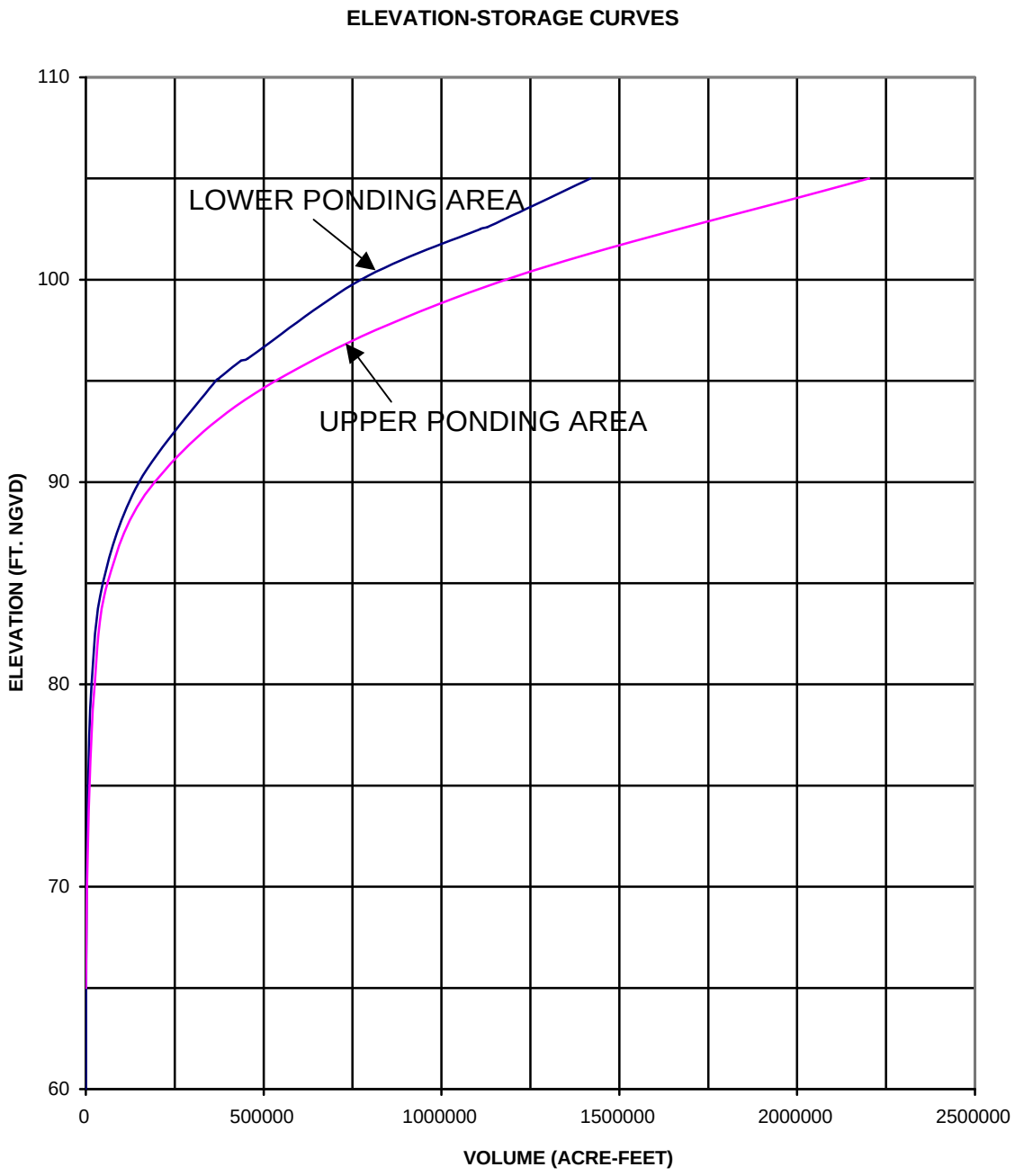
PLATE 4-9



ENGINEERING SUMMARY

ELEVATION - AREA CURVE
REACH 4

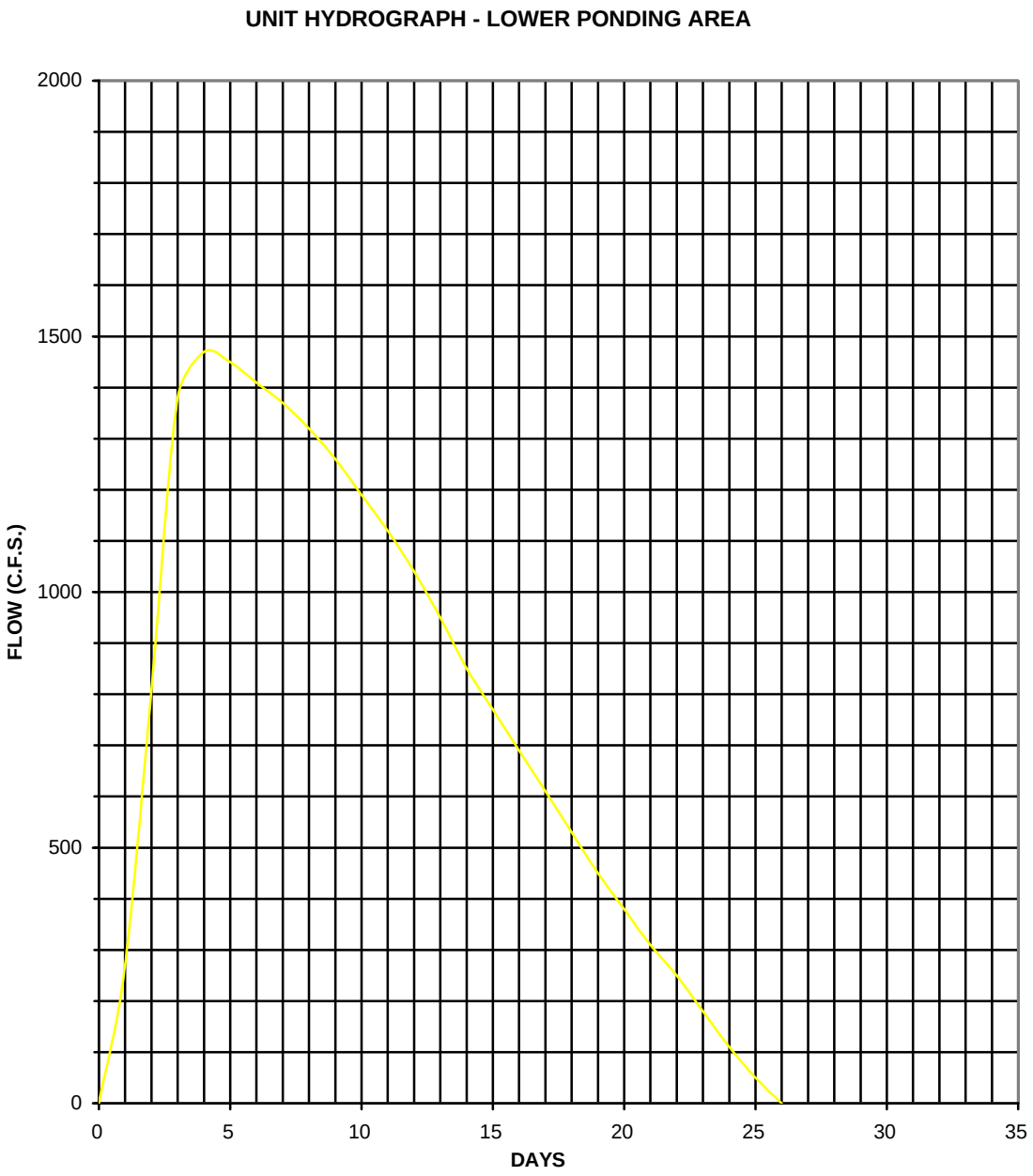
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

ELEVATION STORAGE CURVES

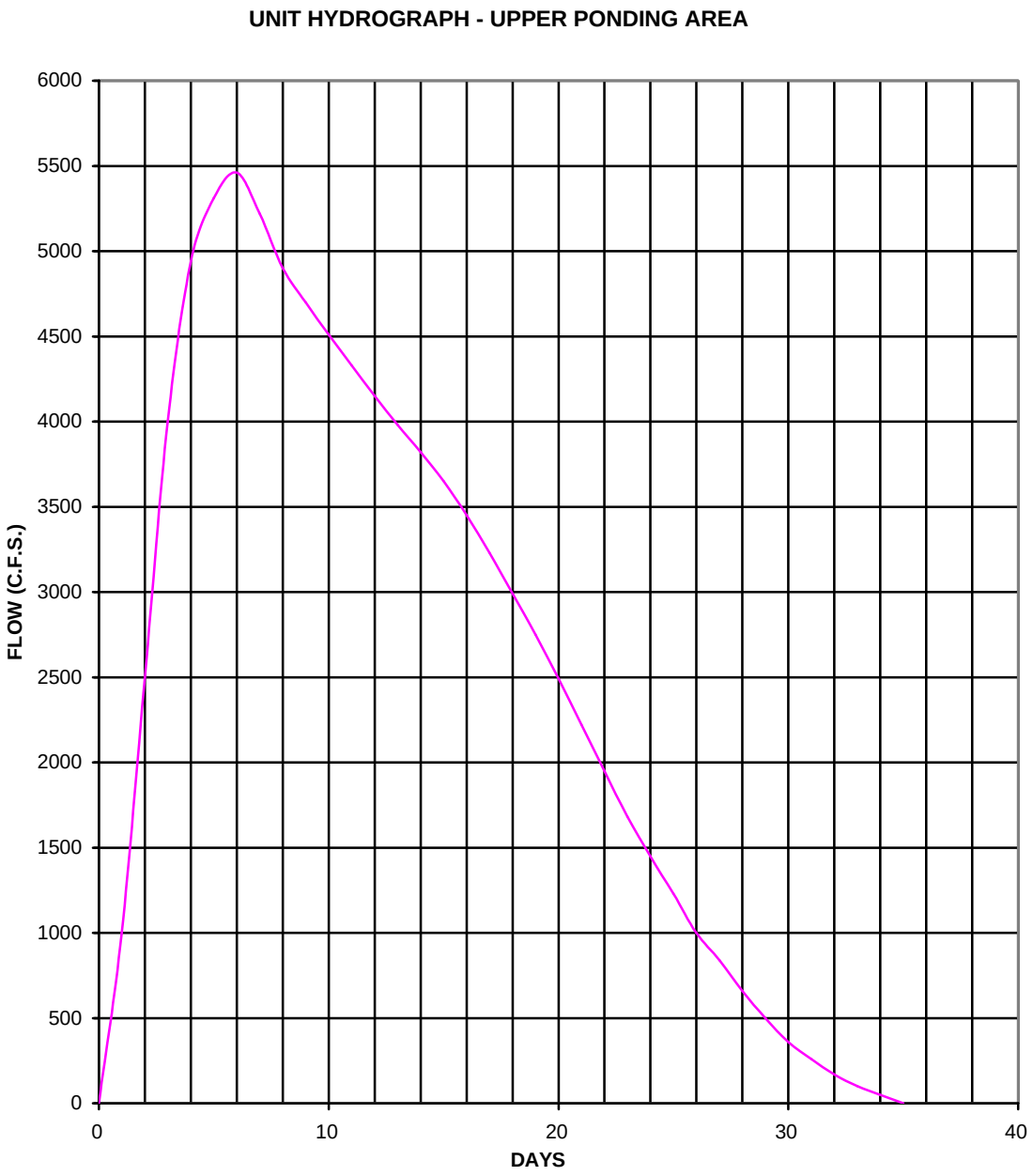
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

UNIT HYDROGRAPH
LOWER PONDING AREA

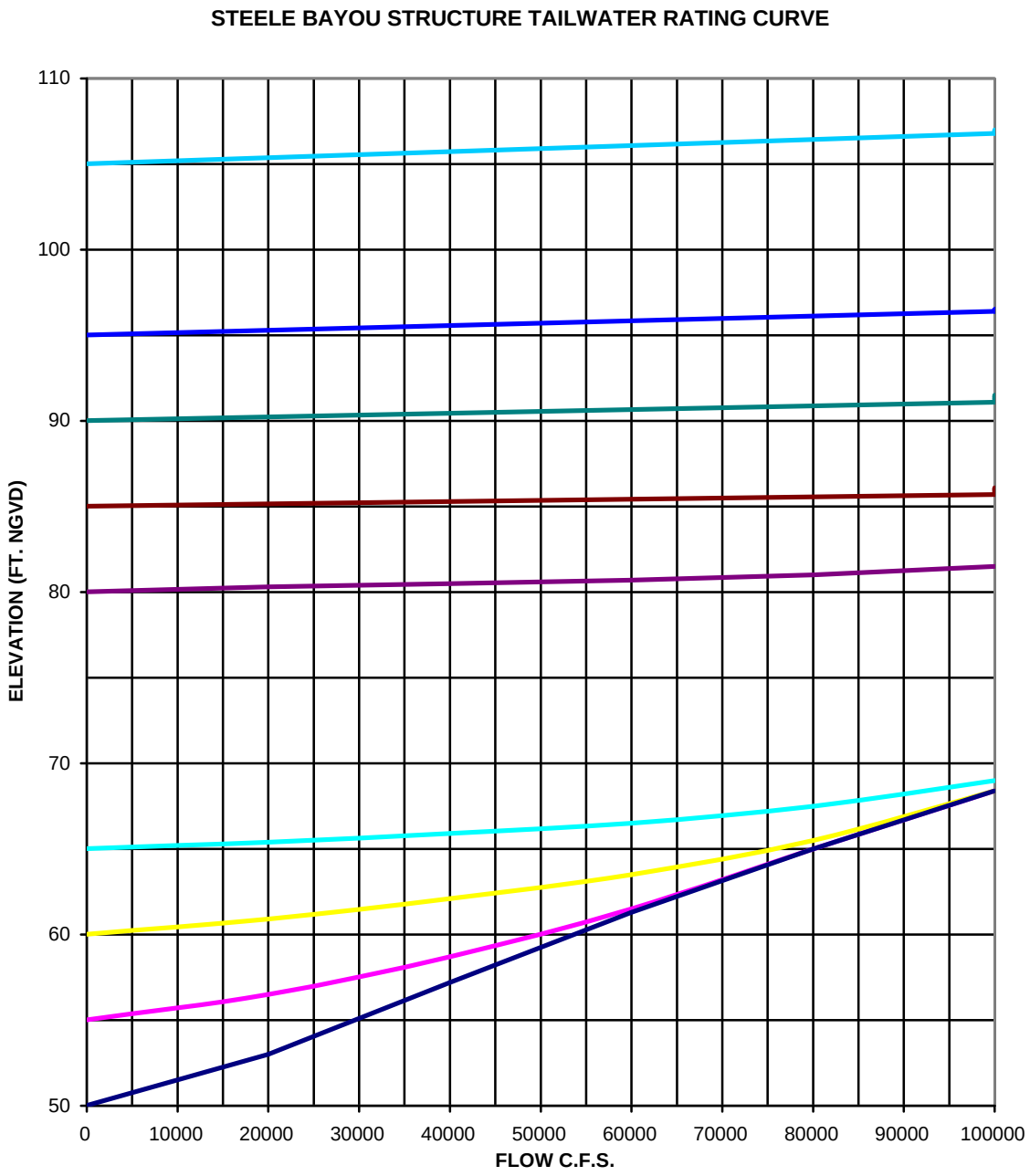
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

UNIT HYDROGRAPH
UPPER PONDING AREA

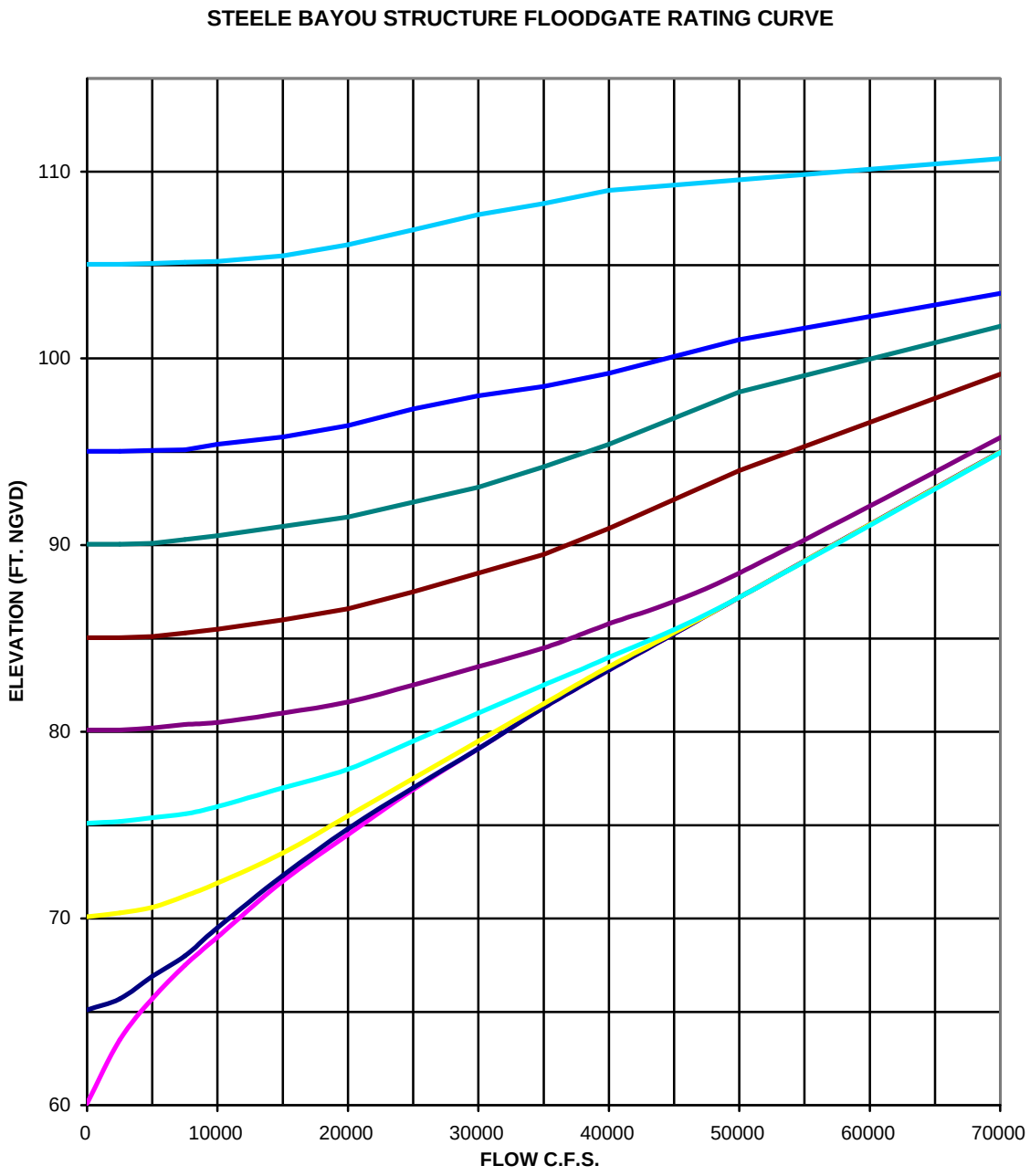
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

STEELE BAYOU STRUCTURE TAILWATER RATING CURVE

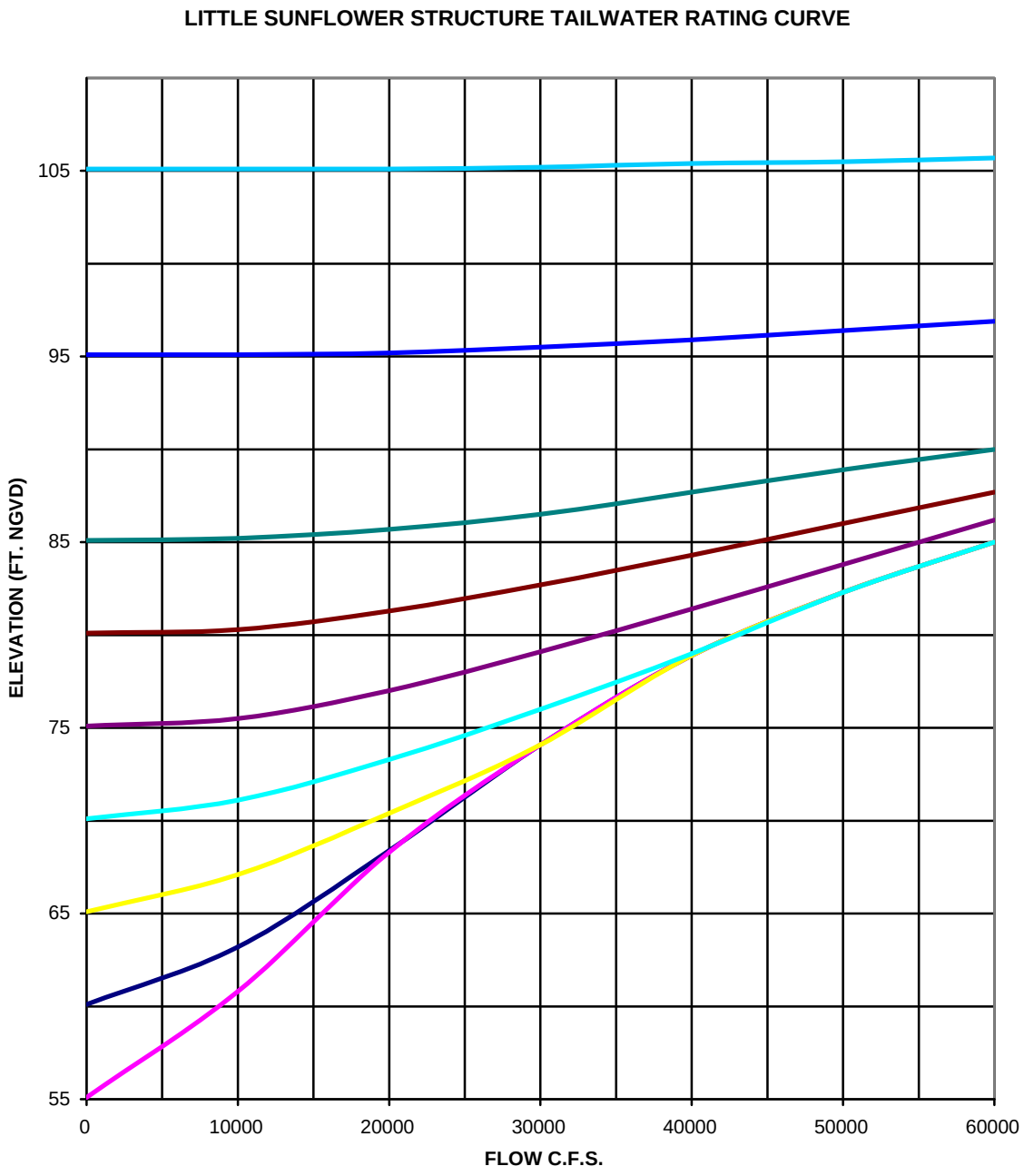
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

STEELE BAYOU STRUCTURE FLOODGATE RATING CURVE

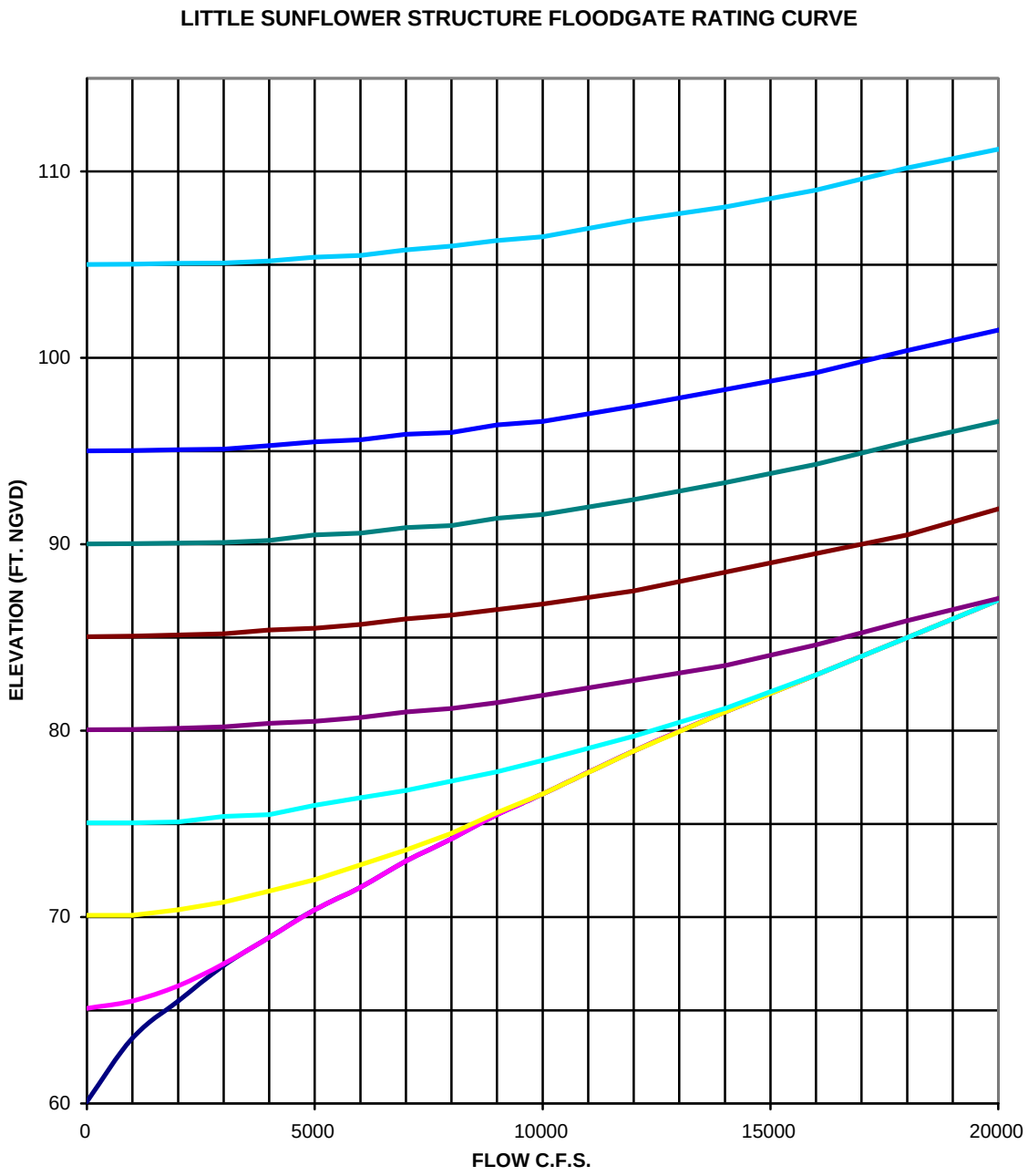
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

LITTLE SUNFLOWER STRUCTURE TAILWATER RATING CURVE

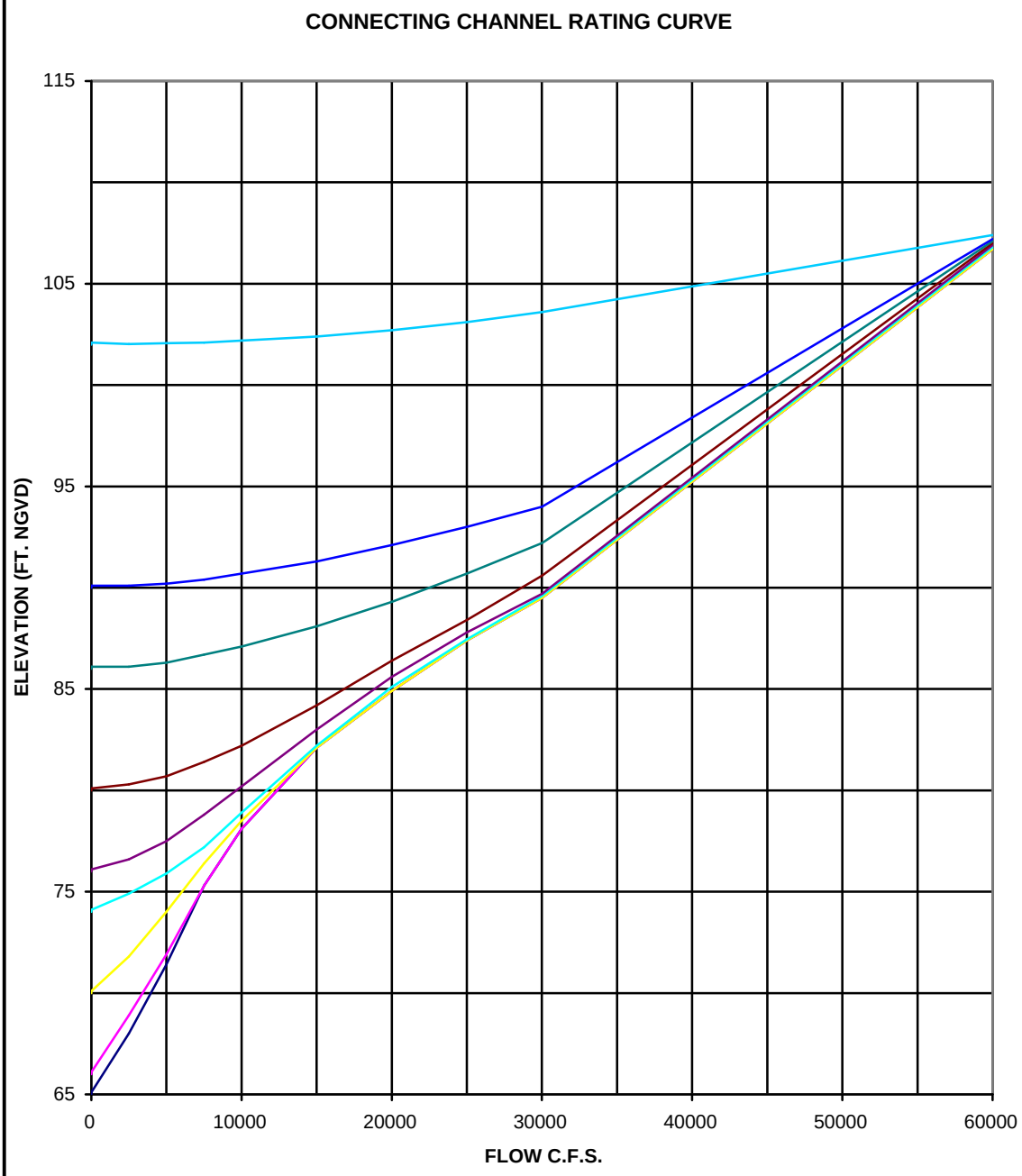
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

LITTLE SUNFLOWER STRUCTURE FLOODGATE RATING CURVE

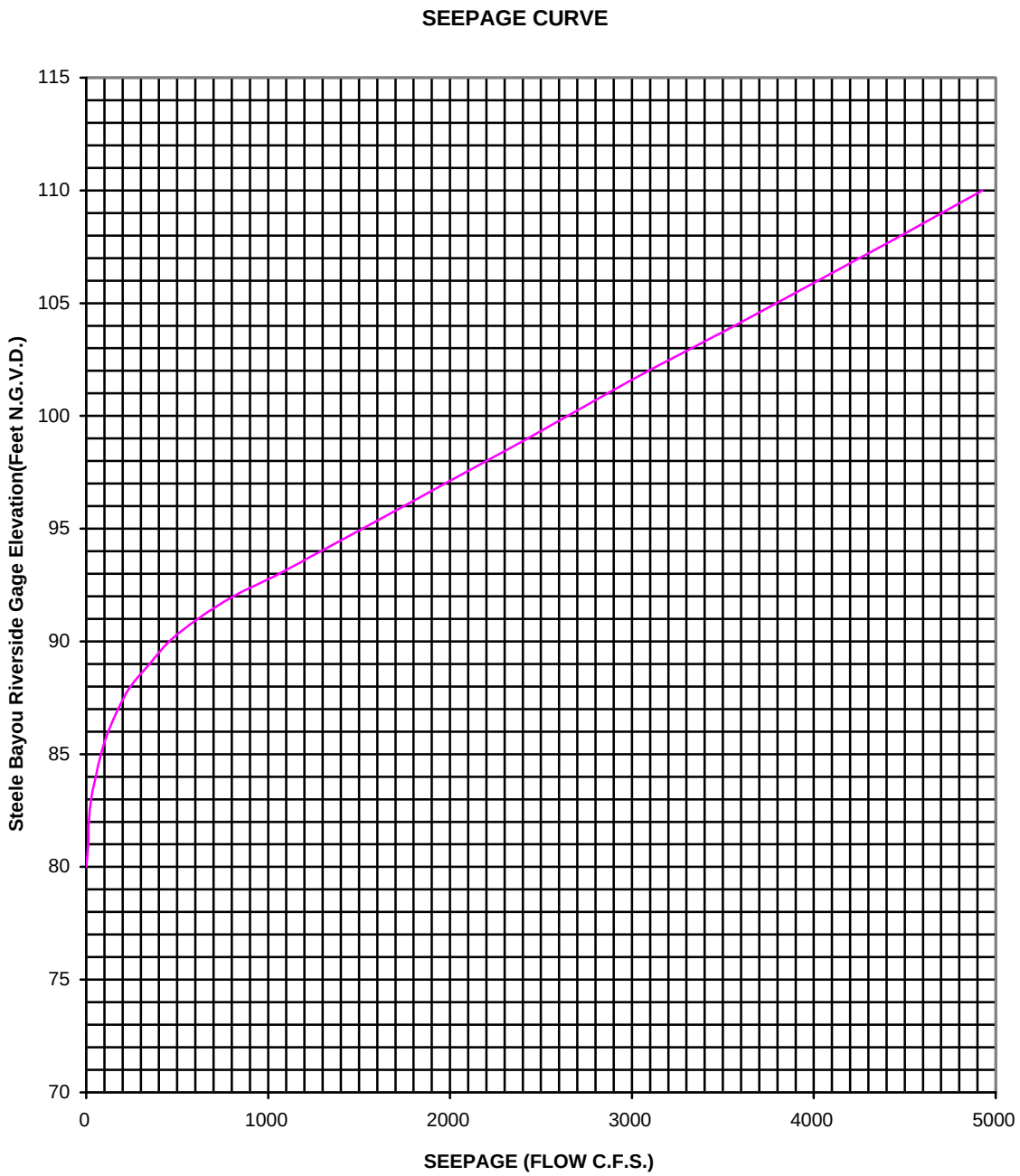
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

CONNECTING CHANNEL RATING CURVE

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

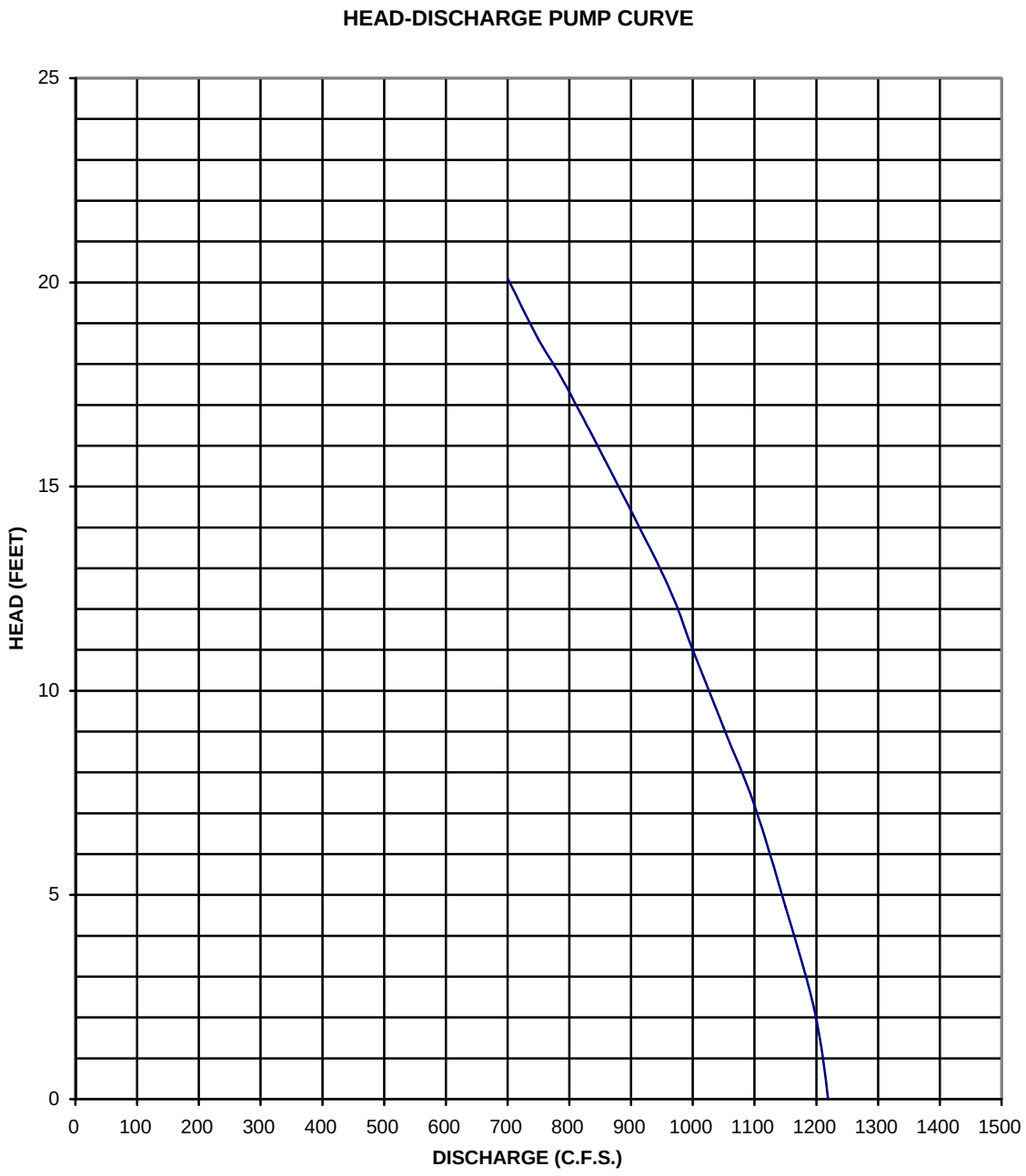


Note: Inflow to Yazoo Area due to seepage through Yazoo Backwater and Mississippi River Levees.

ENGINEERING SUMMARY

SEEPAGE CURVE

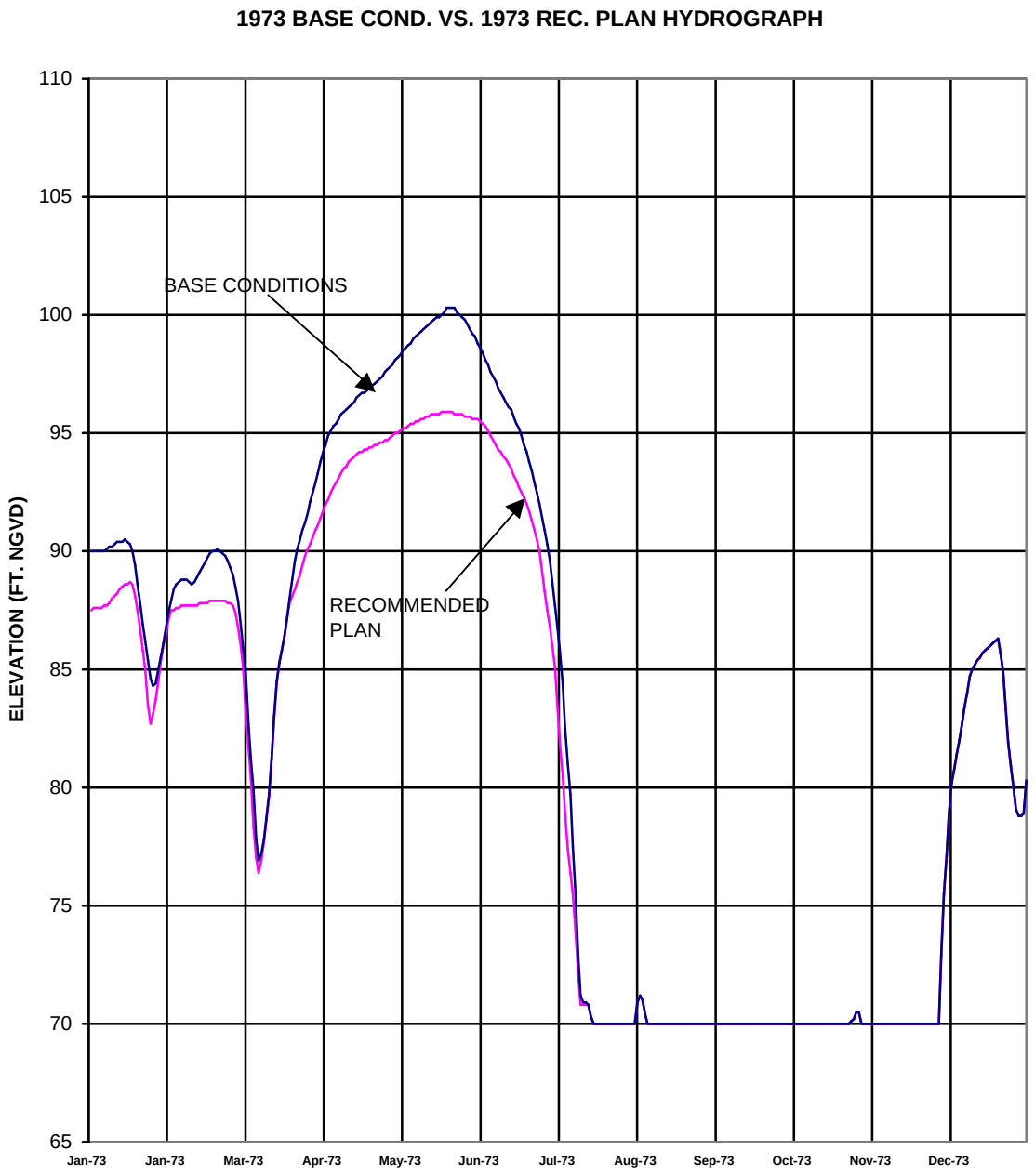
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

HEAD-DISCHARGE PUMP CURVE

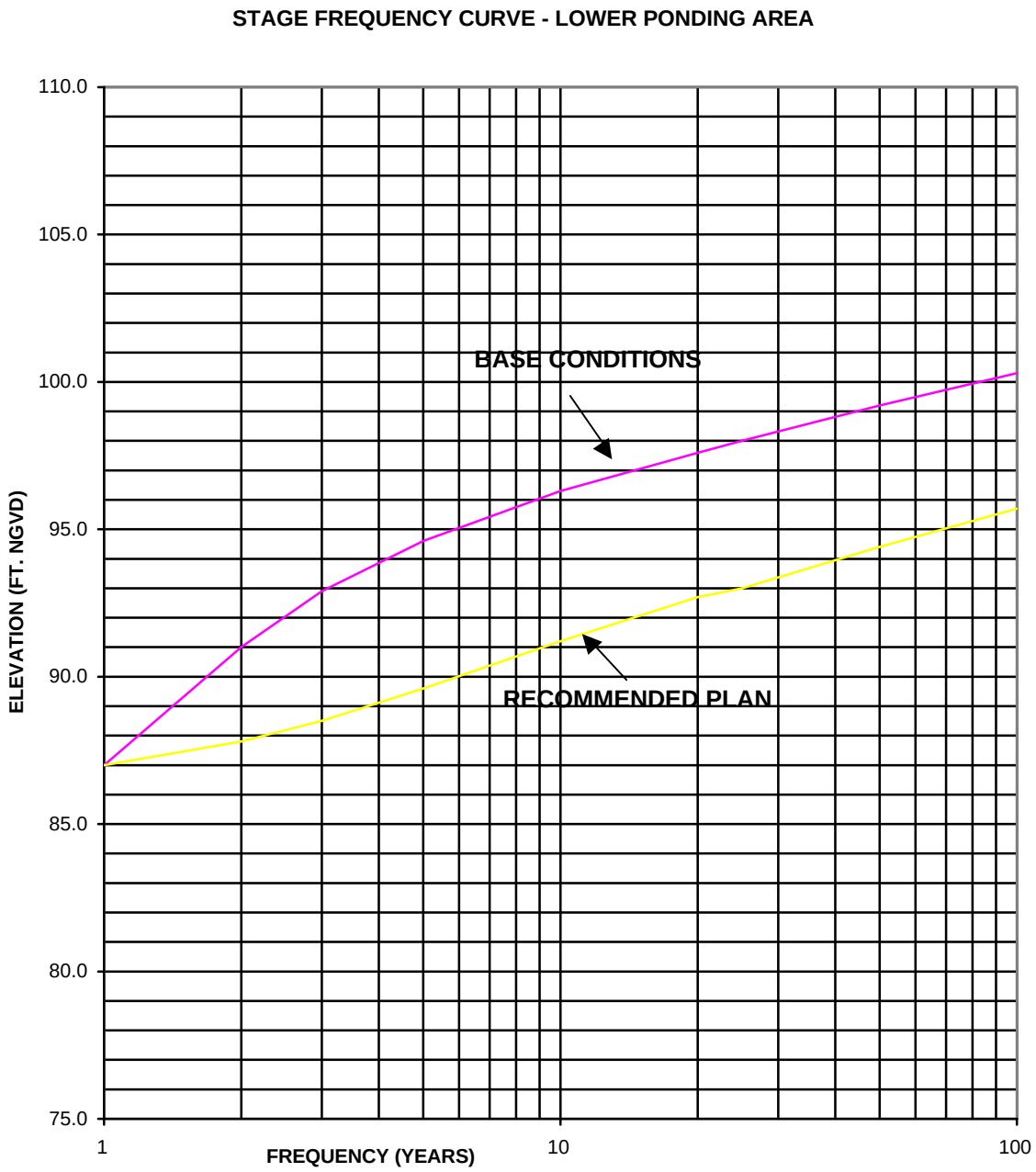
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

BASE CONDITIONS
VS.
RECOMMENDED PLAN
HYDROGRAPH

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

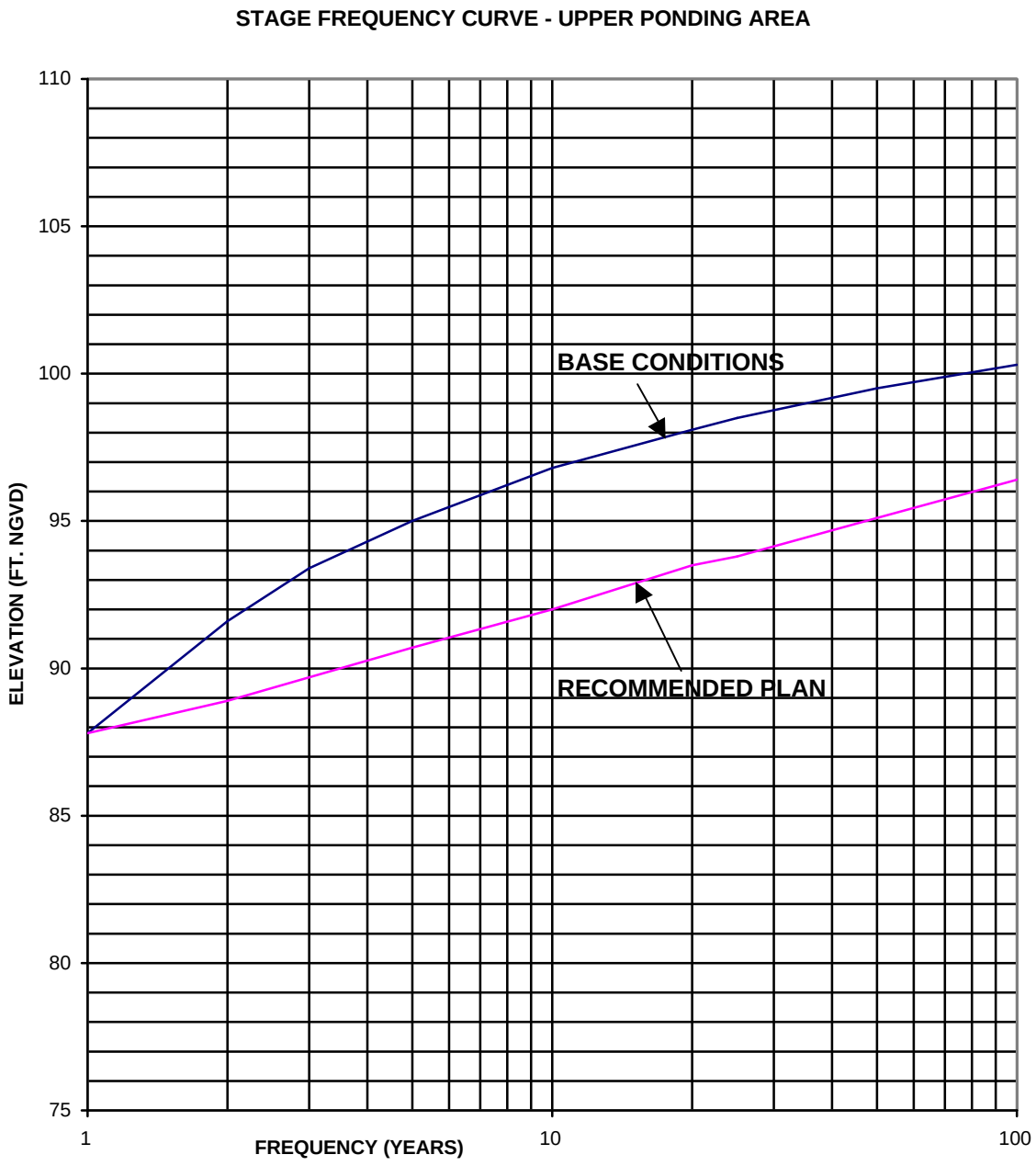


ENGINEERING SUMMARY

STAGE-FREQUENCY CURVE
LOWER PONDING AREA

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

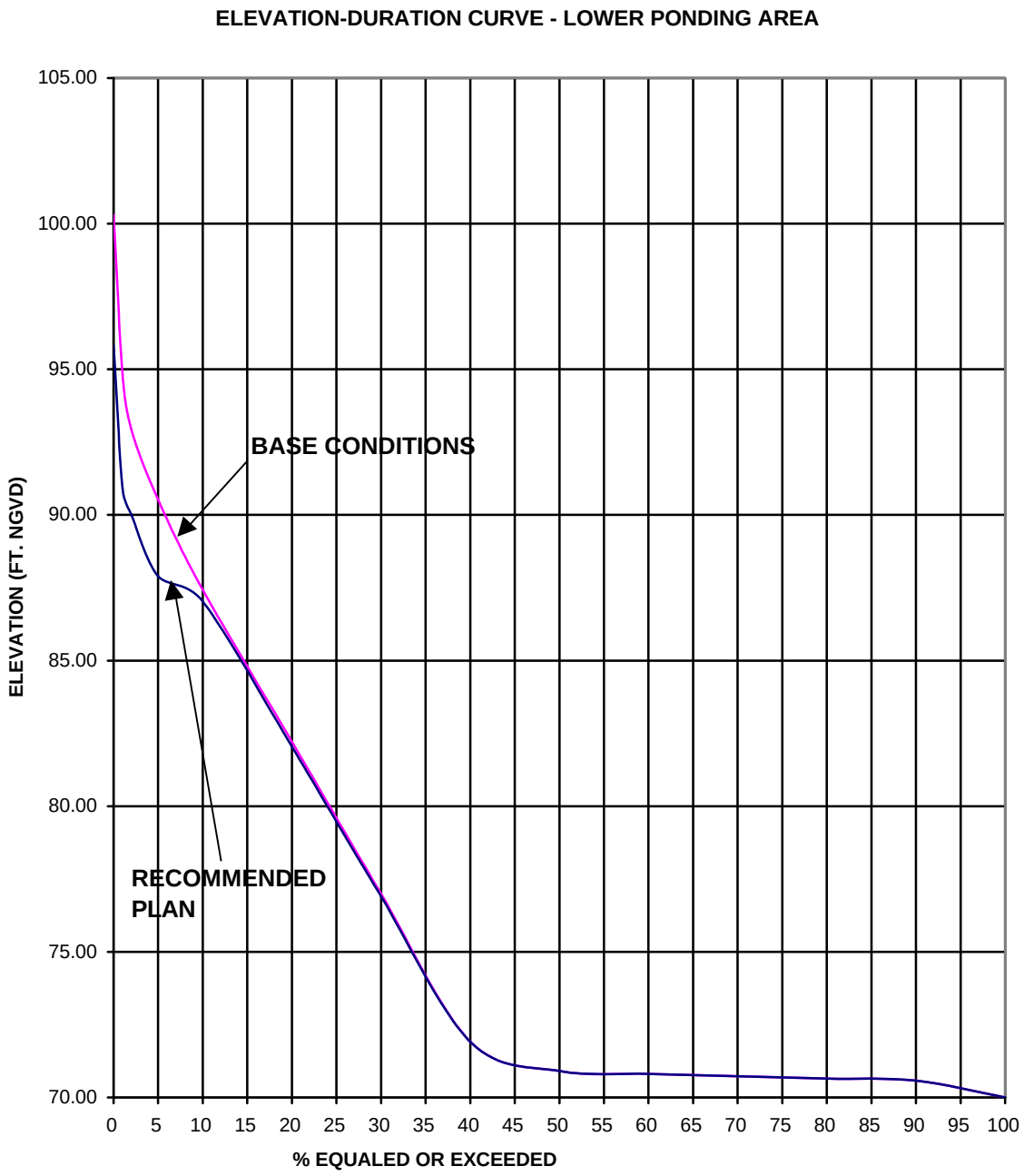
PLATE 4-22



ENGINEERING SUMMARY

STAGE-FREQUENCY CURVE
UPPER PONDING AREA

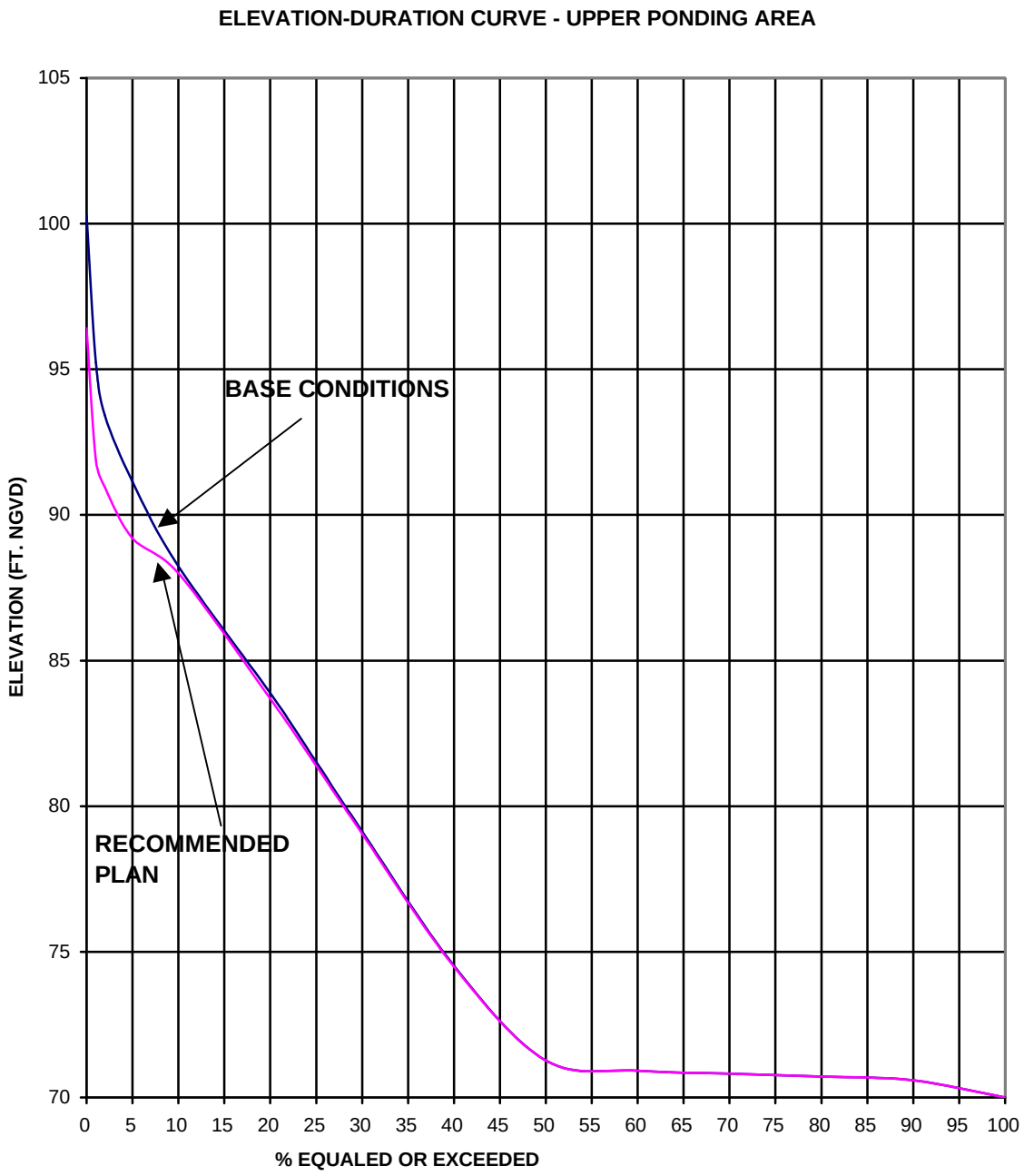
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

ELEVATION-DURATION CURVE
LOWER PONDING AREA

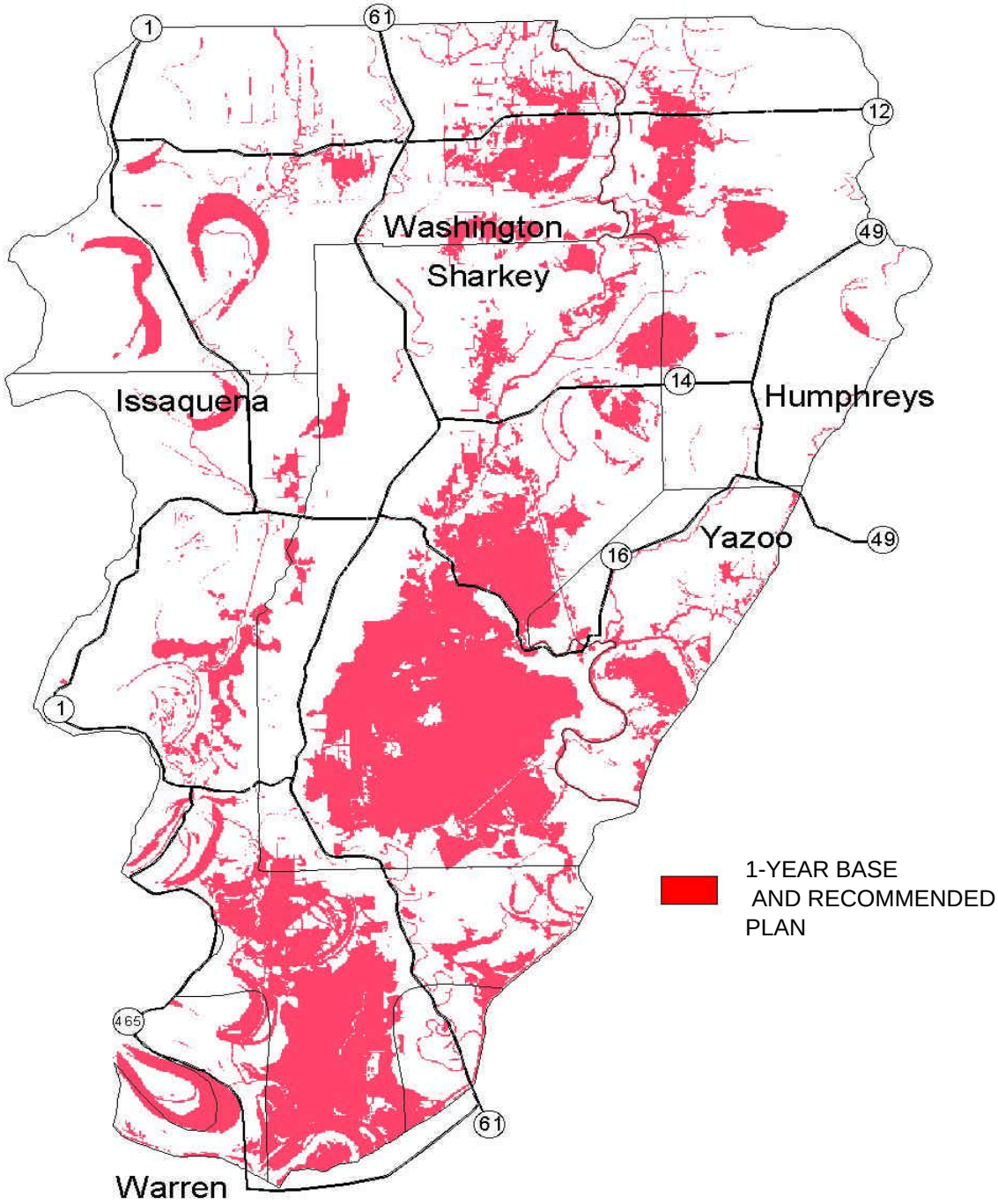
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

ELEVATION-DURATION CURVE
UPPER PONDING AREA

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

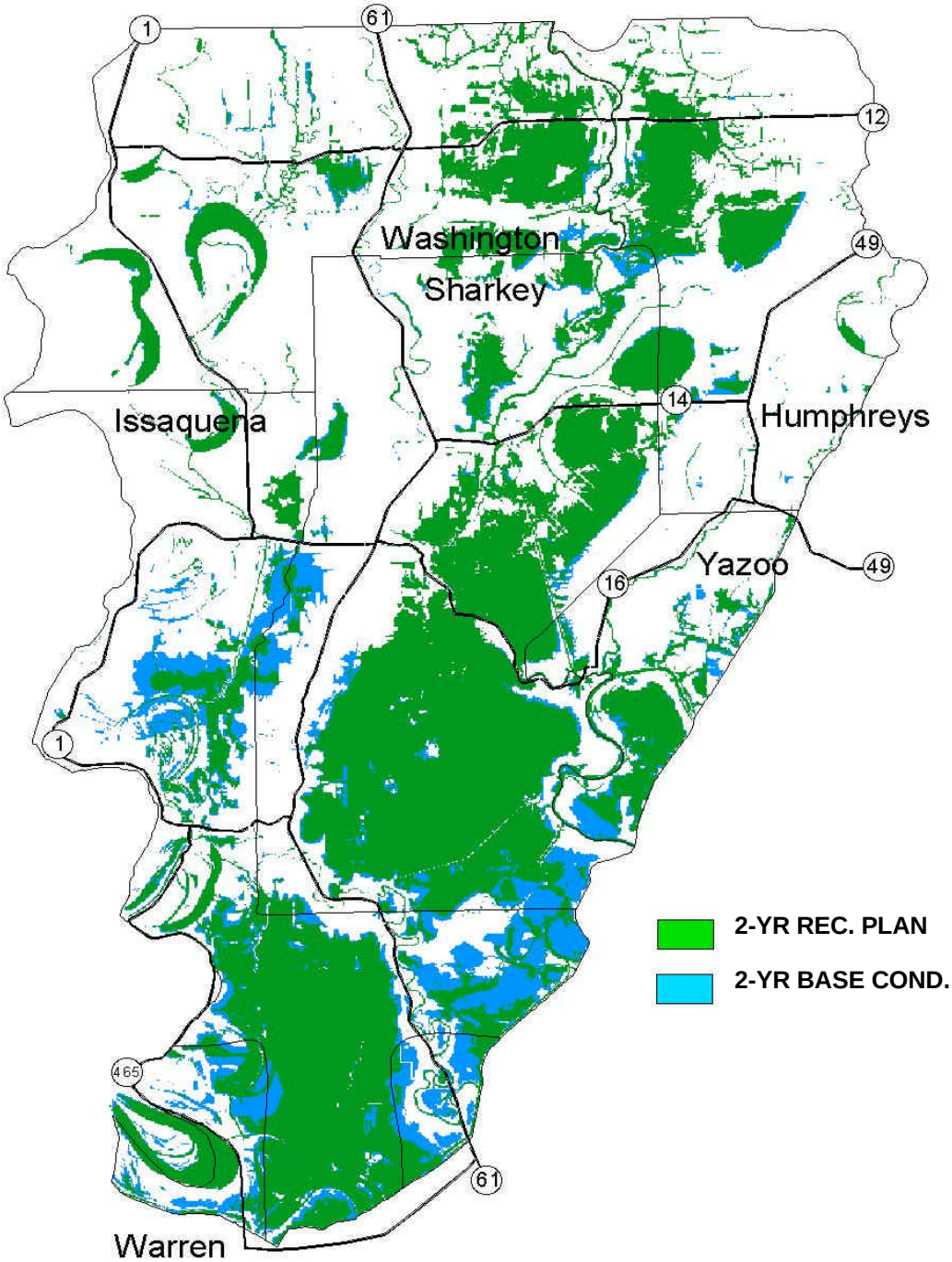
1-YEAR BASE CONDITIONS

VS.

1-YEAR RECOMMENDED PLAN

FLOOD DELINEATION

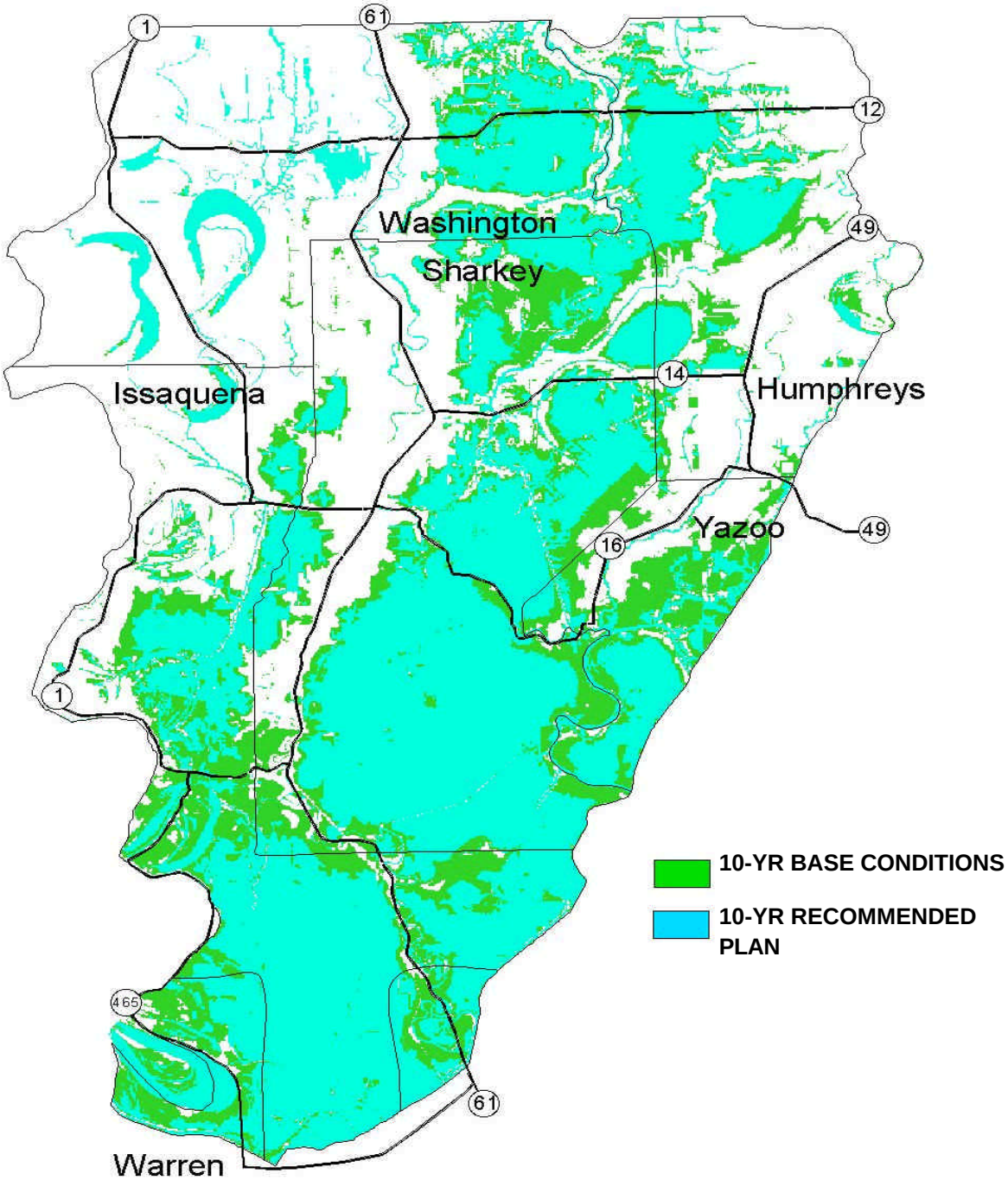
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

2-YEAR BASE CONDITIONS
VS.
2-YEAR RECOMMENDED PLAN
FLOOD DELINEATION

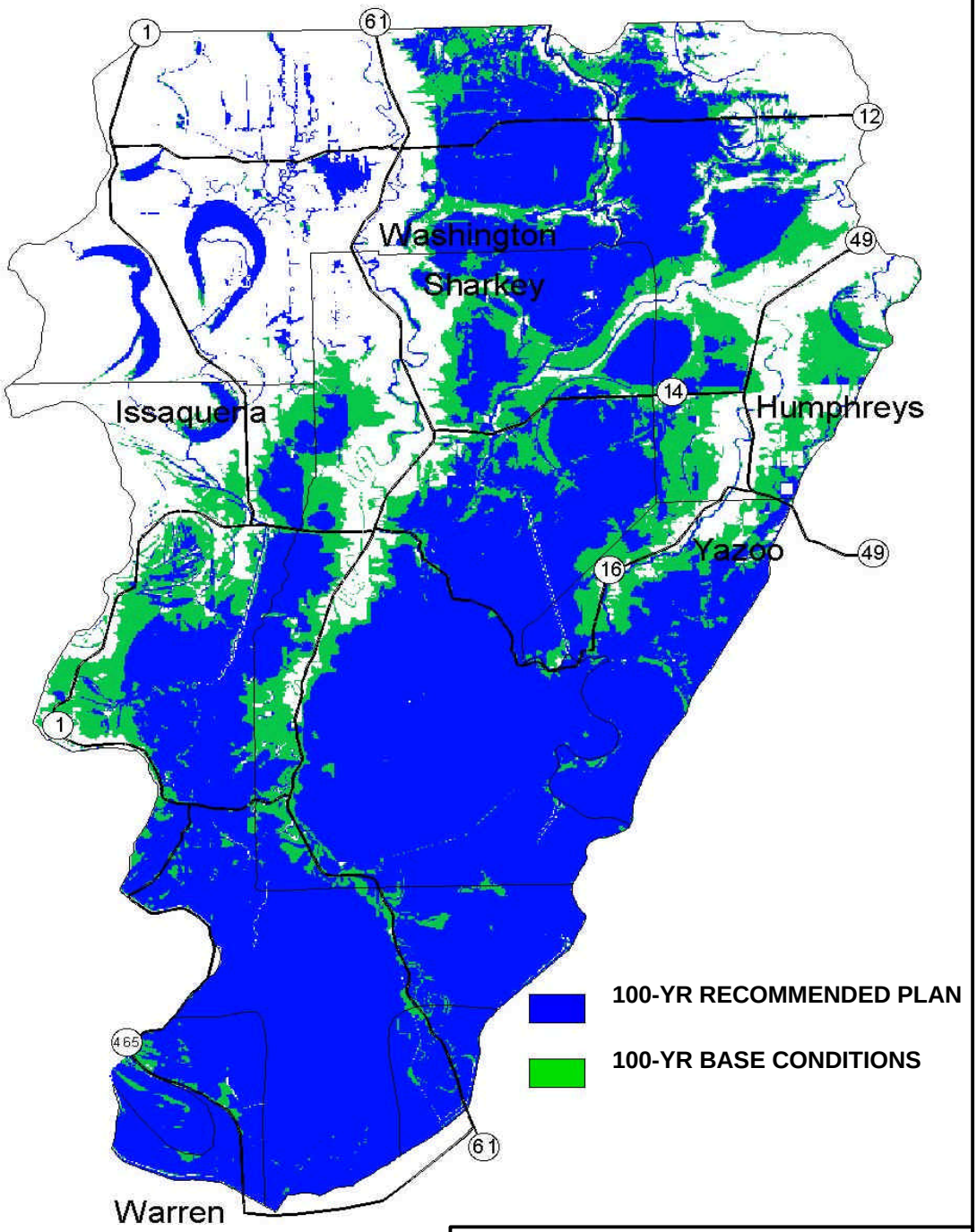
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

10-YEAR BASE CONDITIONS
VS.
10-YEAR RECOMMENDED PLAN
FLOOD DELINEATION

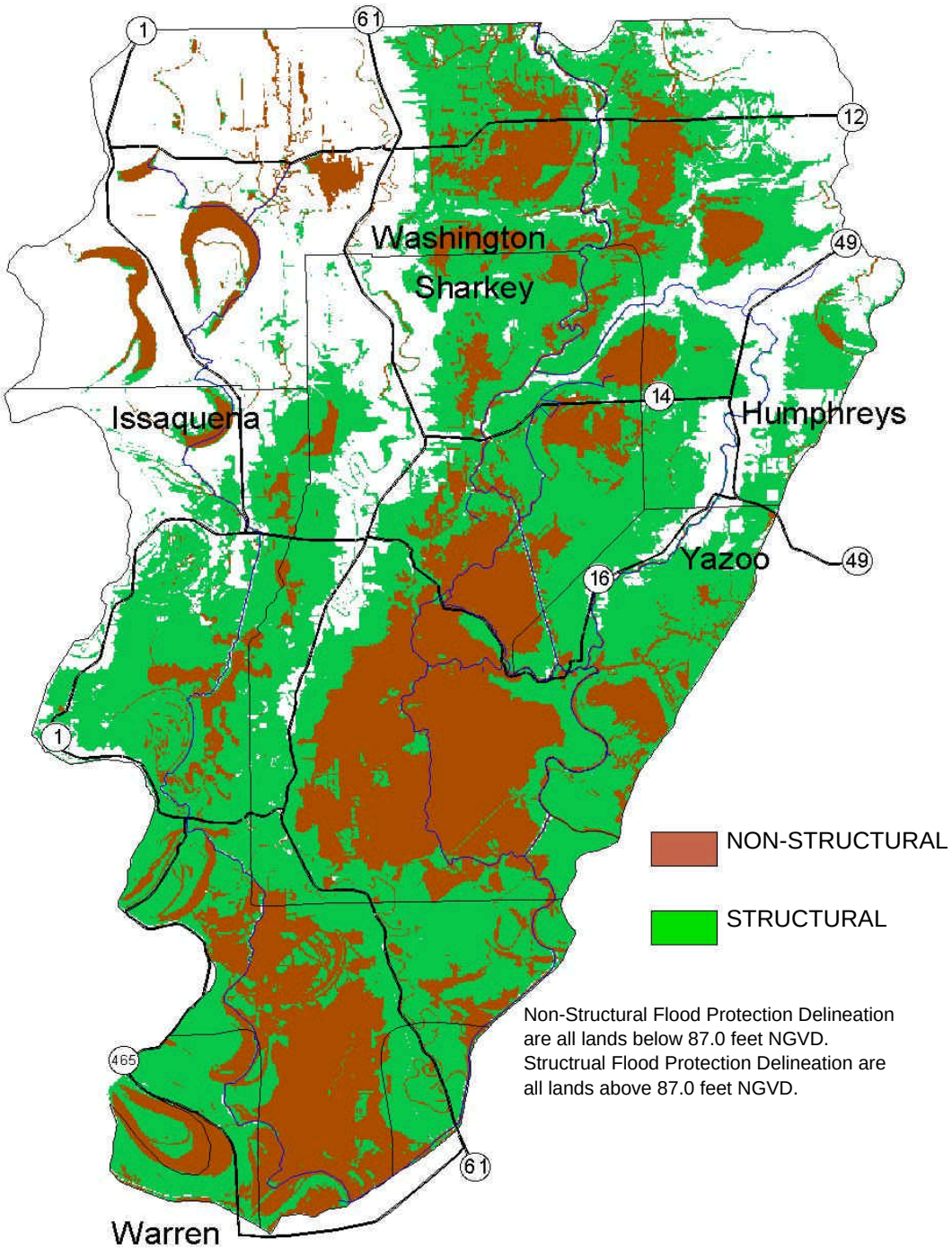
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

100-YEAR BASE CONDITIONS
VS.
100-YEAR RECOMMENDED PLAN
FLOOD DELINEATION

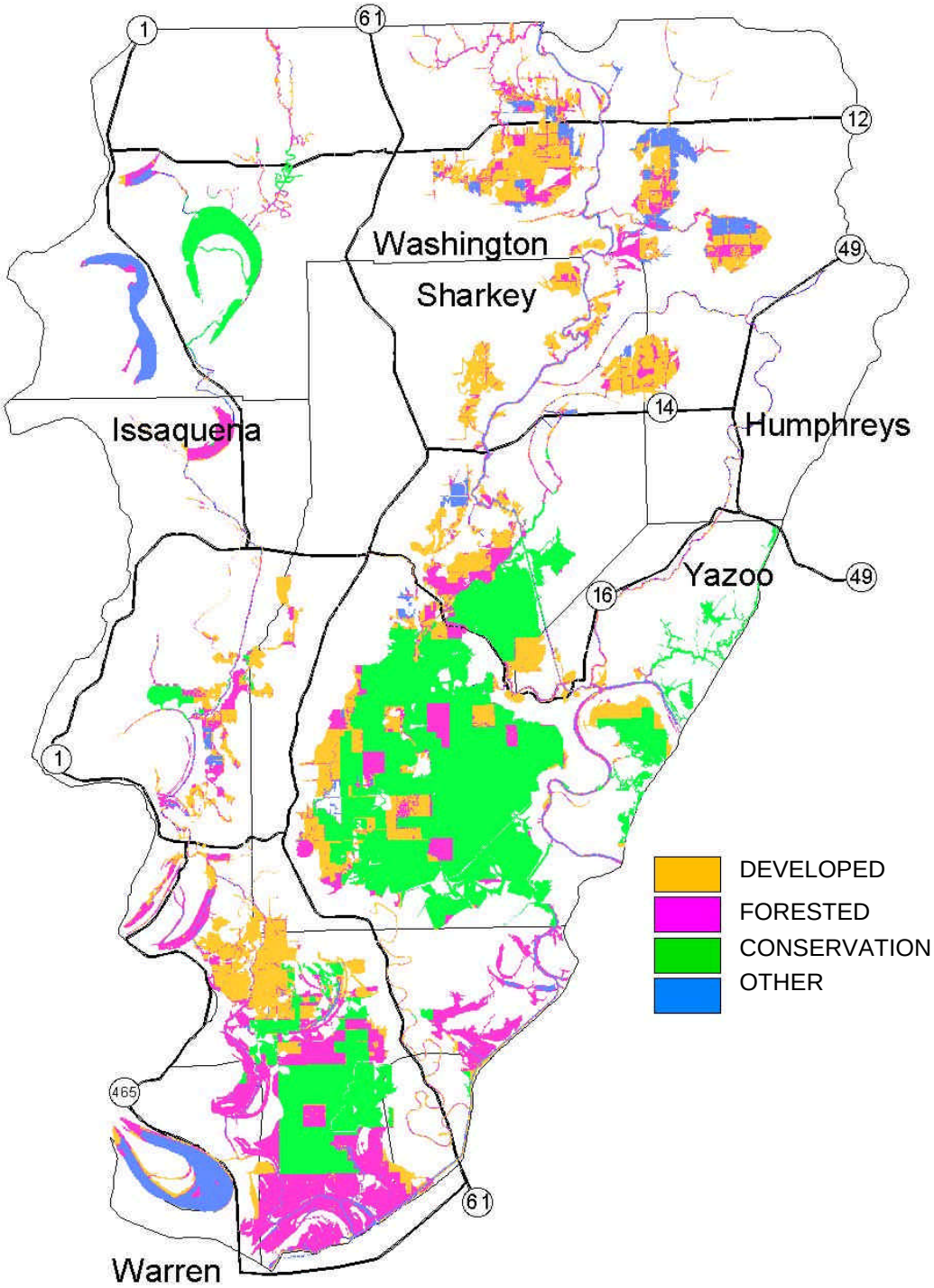
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

STRUCTURAL AND NON-STRUCTURAL FLOOD PROTECTION DELINEATION

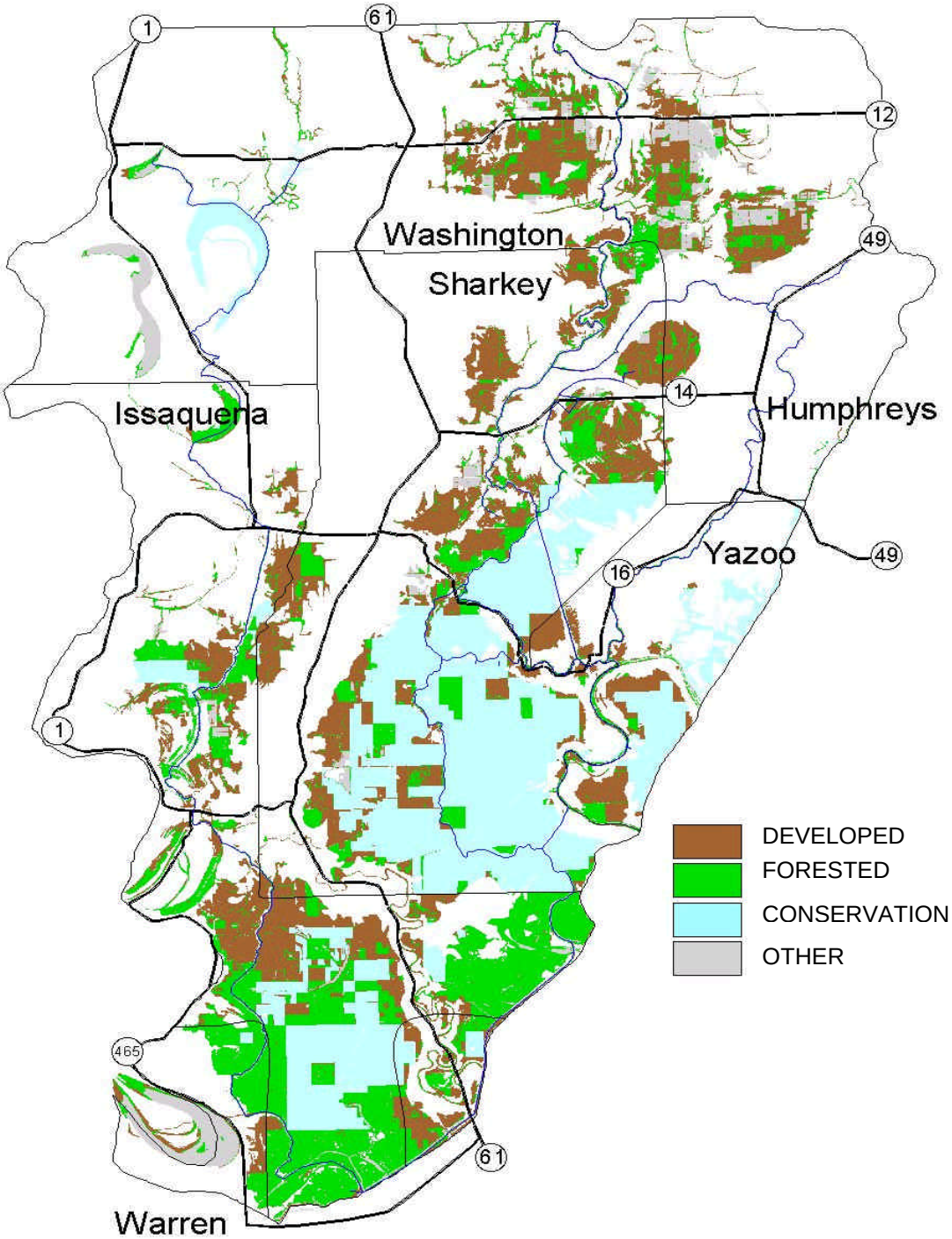
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

BASE CONDITIONS
1-YEAR FREQUENCY
LAND CLASSIFICATIONS

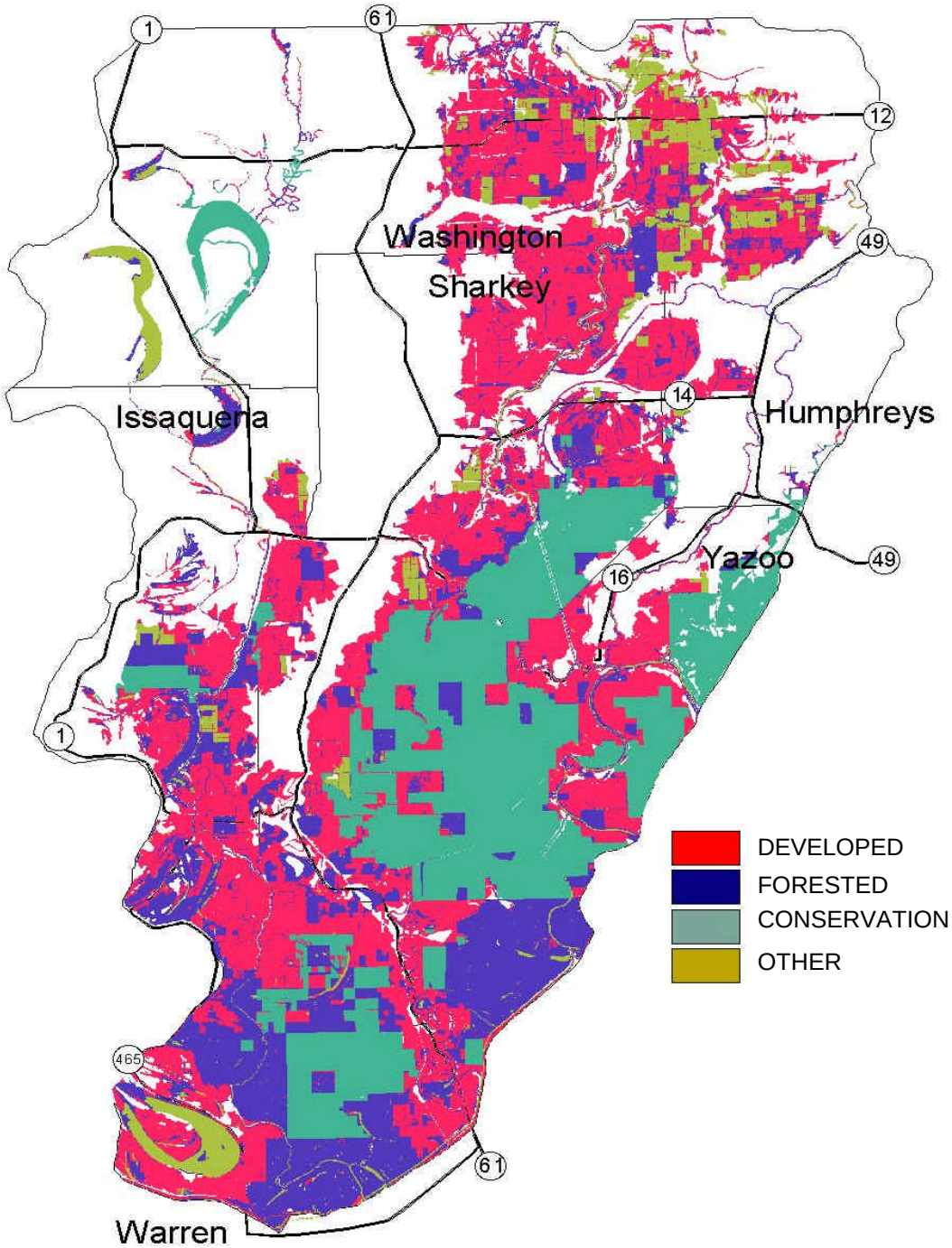
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

BASE CONDITIONS
2-YEAR FREQUENCY
LAND CLASSIFICATIONS

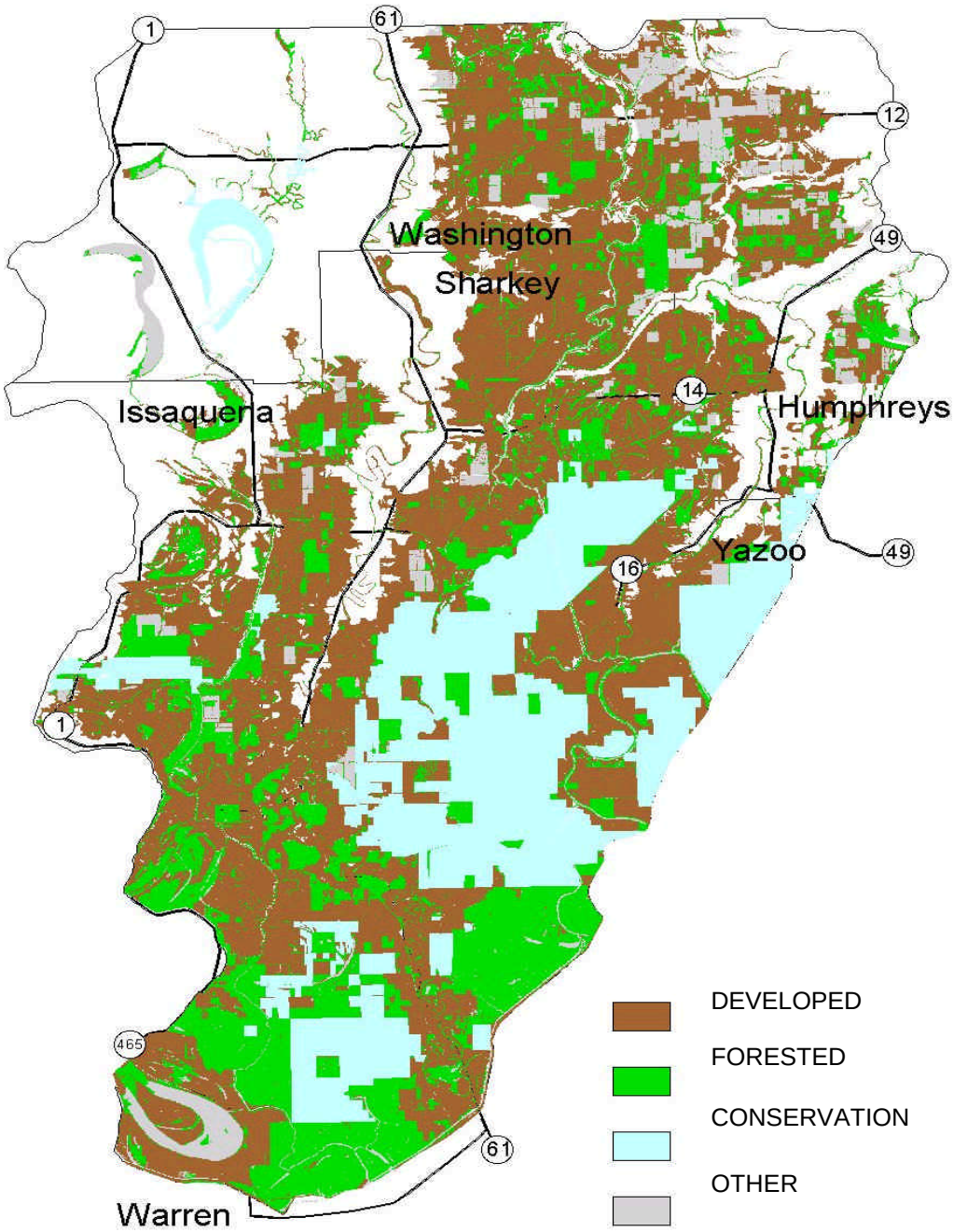
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

BASE CONDITIONS
10-YEAR FREQUENCY
LAND CLASSIFICATIONS

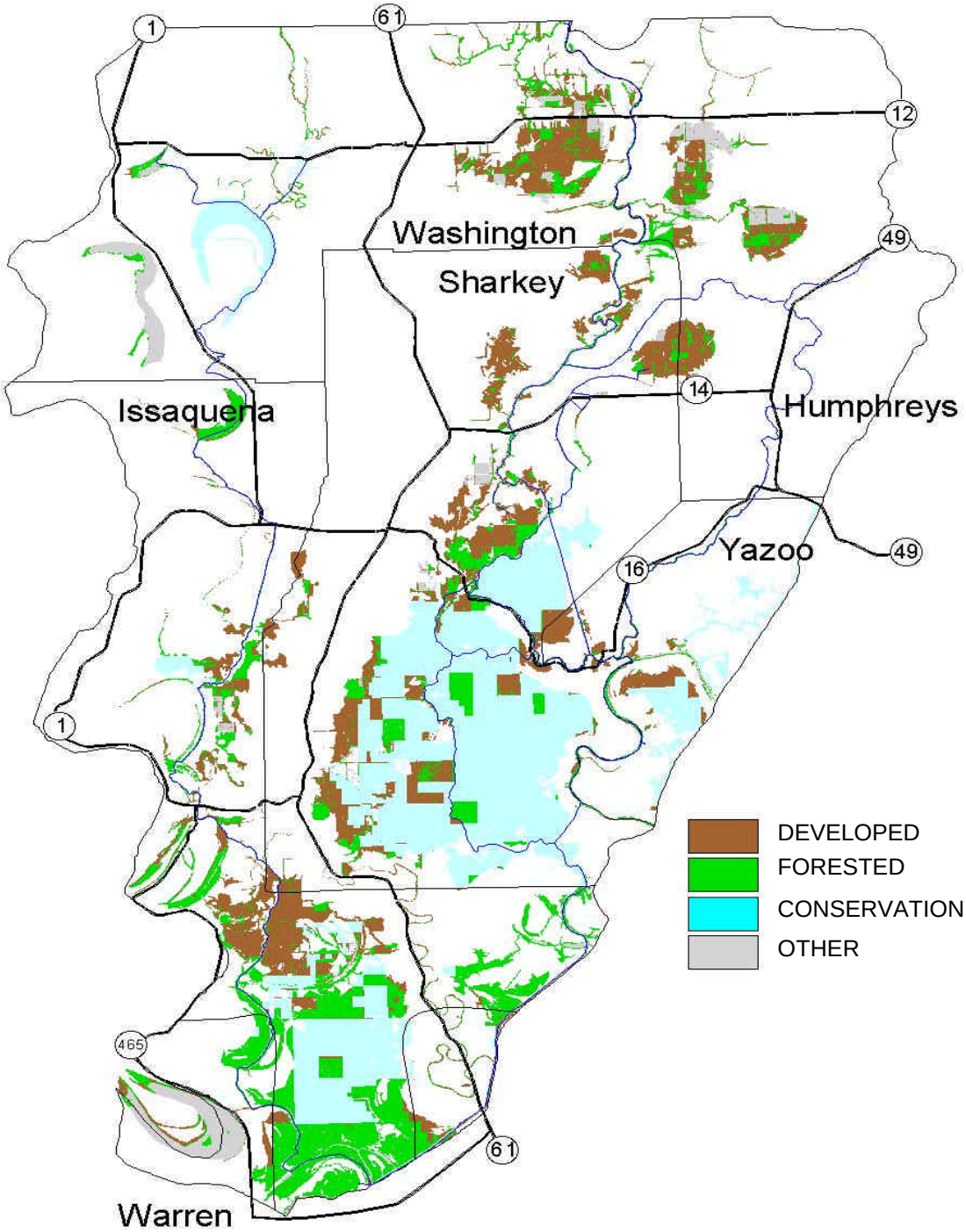
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

BASE CONDITIONS
100-YEAR FREQUENCY
LAND CLASSIFICATIONS

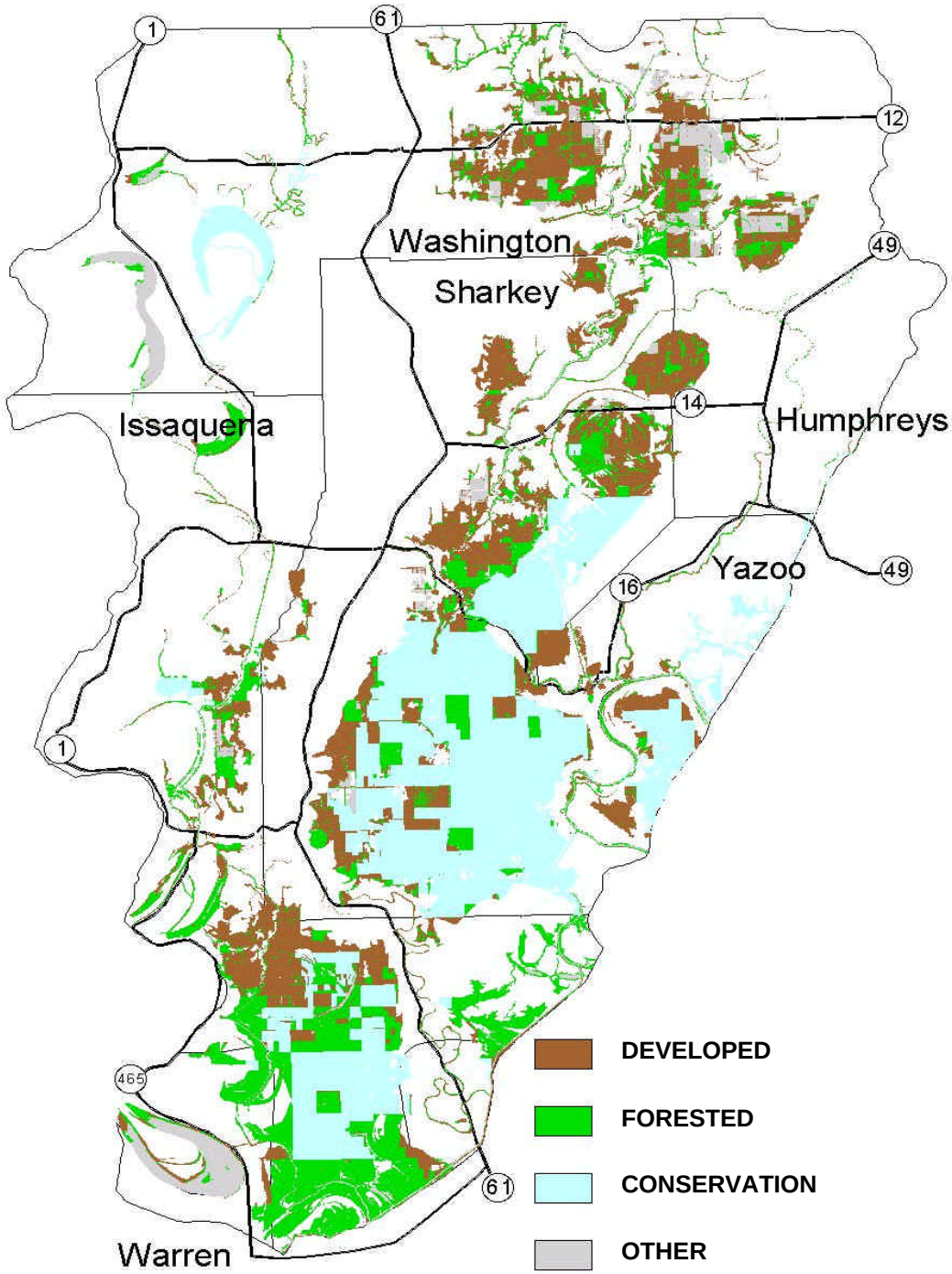
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

RECOMMENDED PLAN
1-YEAR FREQUENCY
LAND CLASSIFICATIONS

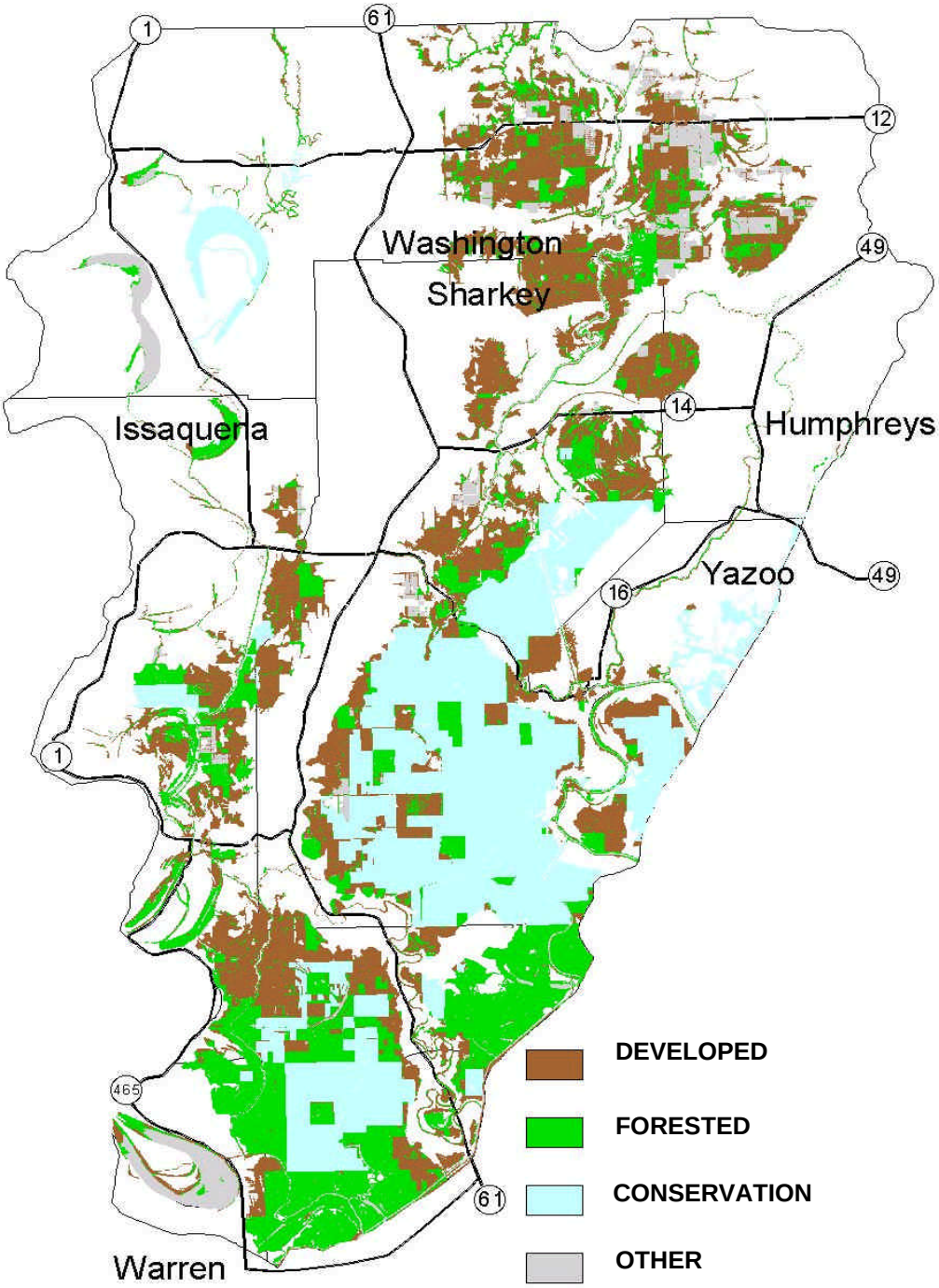
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

RECOMMENDED PLAN
2-YEAR FREQUENCY
LAND CLASSIFICATIONS

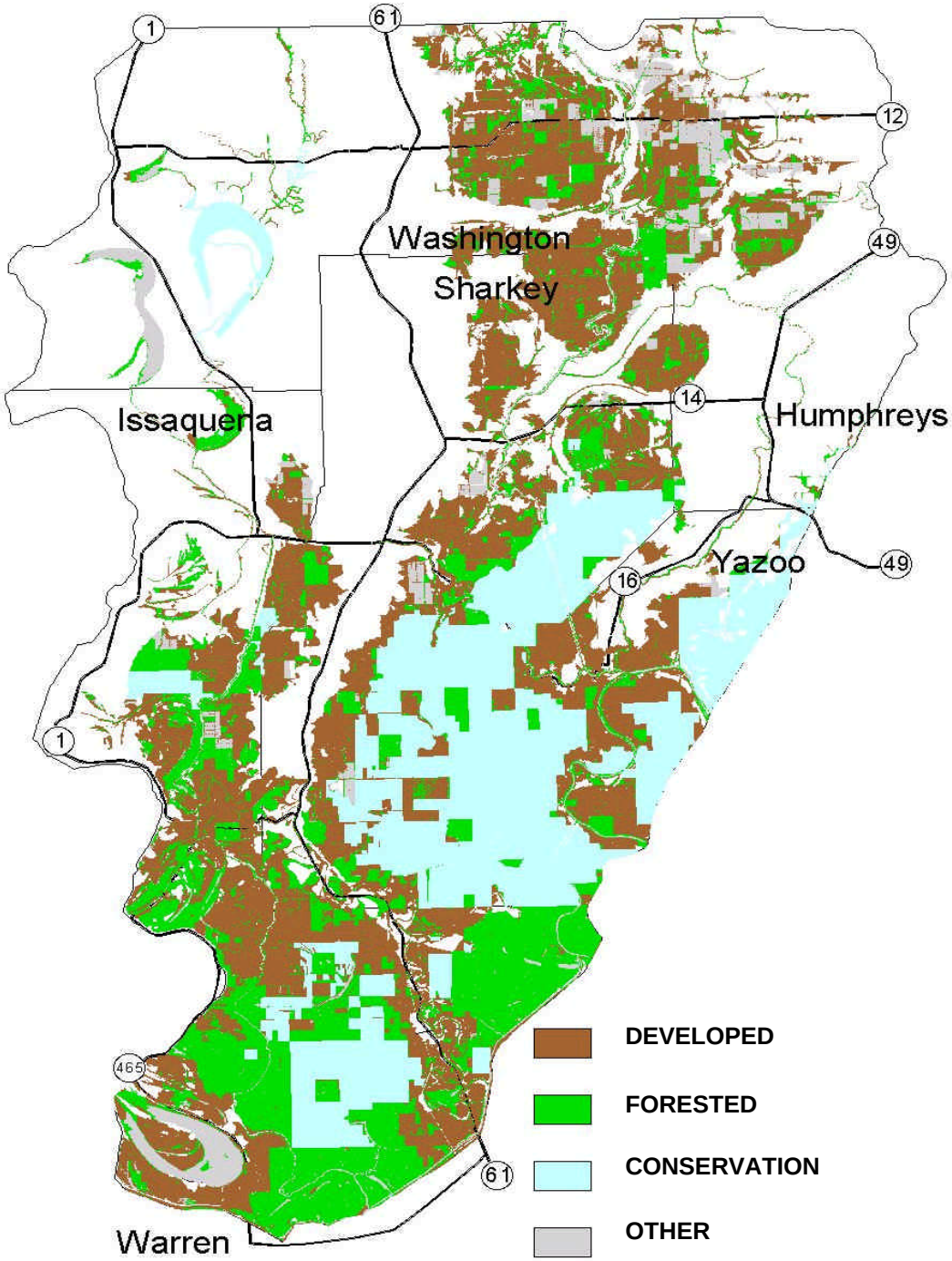
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

RECOMMENDED PLAN
10-YEAR FREQUENCY
LAND CLASSIFICATIONS

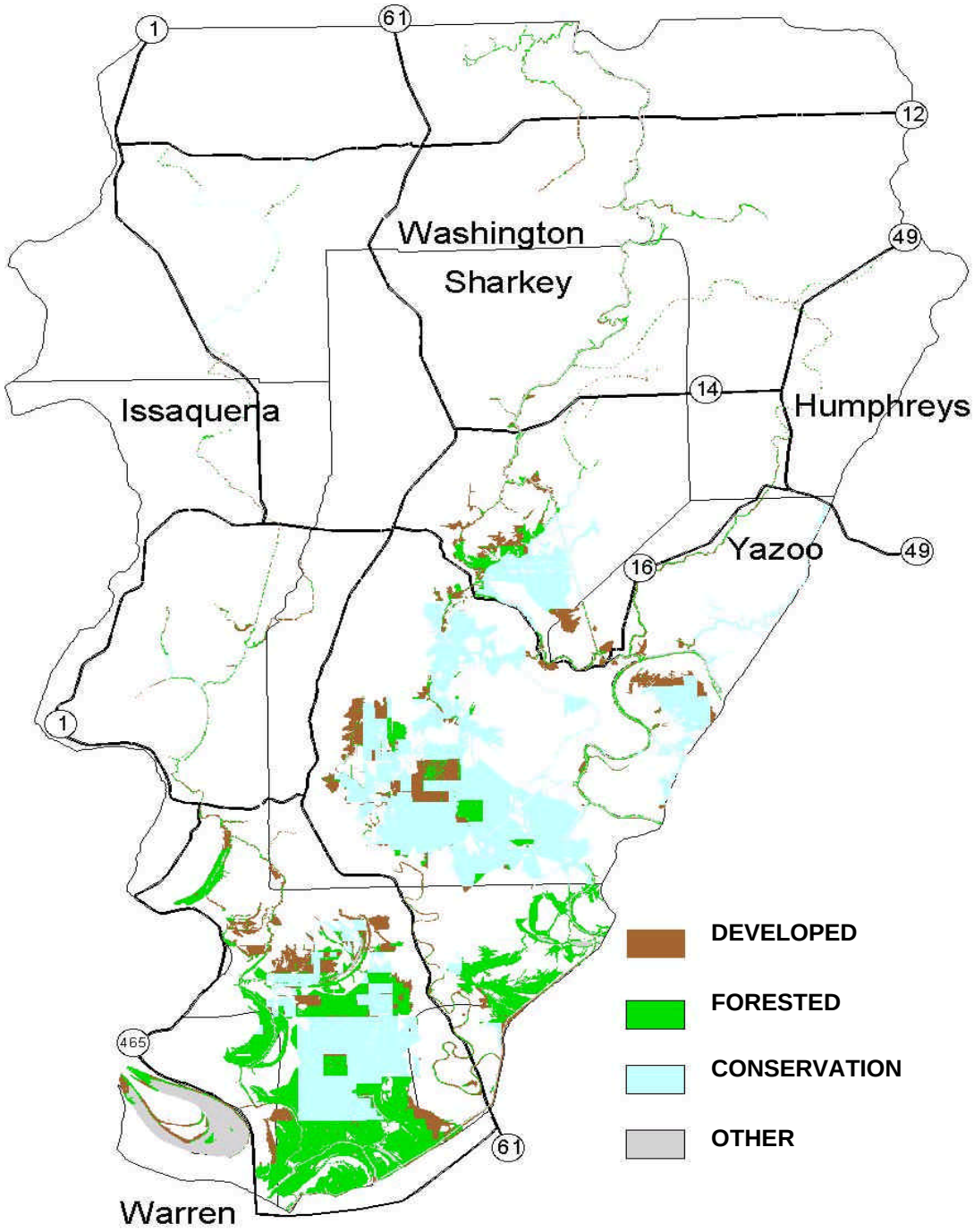
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

RECOMMENDED PLAN
100-YEAR FREQUENCY
LAND CLASSIFICATIONS

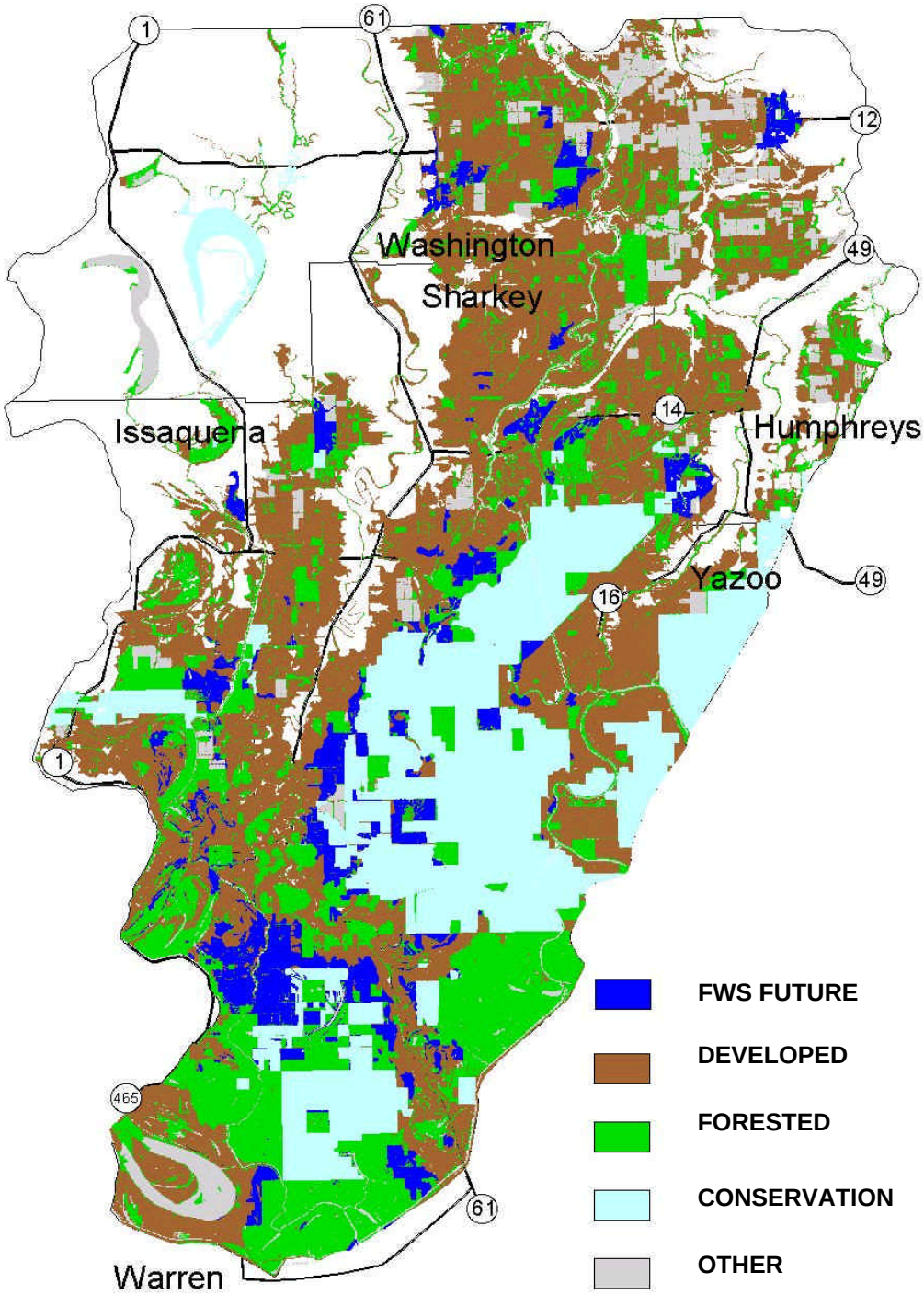
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

WETLAND
LAND CLASSIFICATIONS

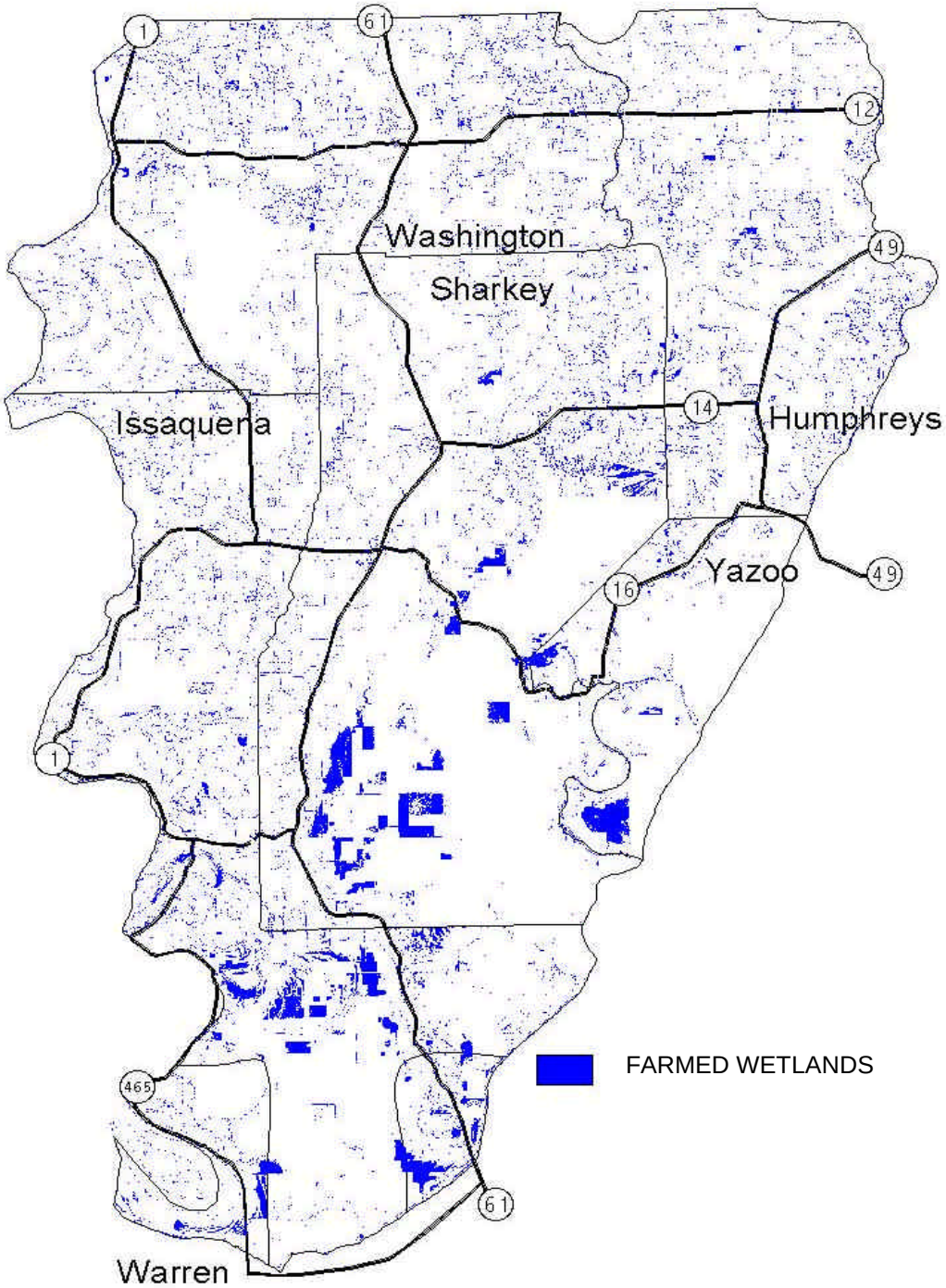
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

100-YEAR BASE CONDITIONS AND USFWS FUTURE CONVERTED PROJECTIONS

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



ENGINEERING SUMMARY

TOTAL FARMED WETLANDS

U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

HYDROLOGICAL RESTORATION IMPACTS - JANUARY THROUGH JUNE

YEAR	BASE JAN. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE FEB. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE MAR. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE APR. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE MAY STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE JUNE STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91
		JANUARY						FEBRUARY						MARCH						APRIL						MAY						JUNE				
1943	80.8	--	0.0	0.0	5.5	5.5	78	0.0	0.0	0.0	0.0	0.0	86.5	--	--	0.0	0.4	0.4	89.7	--	--	--	--	0.3	85.4	--	--	0.0	1.2	1.2	87.5	--	--	--	1.1	1.1
1944	70	0.0	0.0	0.0	+	+	72.6	0.0	0.0	0.0	+	+	88	--	--	--	0.1	0.1	92.7	--	--	--	--	--	95.3	--	--	--	--	--	89.5	--	--	--	--	--
1945	81.2	--	0.0	0.0	0.0	0.0	83.1	--	0.0	0.0	0.6	0.6	93.6	--	--	--	--	--	96.6	--	--	--	--	--	96.9	--	--	--	--	--	90.2	--	--	--	--	--
1946	92.4	--	--	--	--	--	92.1	--	--	--	--	--	90.1	--	--	--	--	0.0	86.5	--	--	0.0	0.0	0.0	83.2	--	0.0	0.0	0.0	0.0	84	--	0.0	0.0	0.0	0.0
1947	82.8	--	--	0.0	0.0	0.0	83.9	--	0.0	0.0	0.0	0.0	73.1	0.0	0.0	0.0	0.0	0.0	90.2	--	--	--	--	0.1	90.9	--	--	--	--	0.0	85.5	--	--	0.0	0.0	0.0
1948	70	0.0	0.0	0.0	+	+	87.3	--	--	0.0	0.3	0.3	91.3	--	--	--	--	--	92.2	--	--	--	--	--	91.9	--	--	--	--	--	70.1	0.0	0.0	0.0	+	+
1949	90.3	--	--	--	--	0.1	93.6	--	--	--	--	--	94	--	--	--	--	--	90.2	--	--	--	--	--	79.5	0.0	0.0	0.0	0.0	0.0	76.2	0.9	0.0	0.0	0.0	0.0
1950	91.2	--	--	--	--	--	95.3	--	--	--	--	--	96	--	--	--	--	--	90.8	--	--	--	--	--	86.1	--	--	0.0	0.5	0.5	81	0.1	0.0	0.0	0.0	0.0
1951	86.4	--	--	0.0	0.4	0.4	86.2	--	--	0.0	0.4	0.4	89.1	--	--	--	--	0.4	89.4	--	--	--	--	0.0	89	--	--	--	--	0.0	74.9	0.9	0.0	0.0	0.0	0.0
1952	86.4	--	--	0.0	0.1	0.1	89.3	--	--	--	--	0.2	87	--	--	0.0	0.7	0.7	90.2	--	--	--	--	0.2	89.1	--	--	--	--	0.1	73.2	0.8	0.0	0.0	0.0	0.0
1953	70	0.0	0.0	0.0	+	+	74.1	0.0	0.0	0.0	0.0	0.0	82.4	--	--	0.0	0.0	0.0	82.1	--	0.0	0.0	0.0	0.0	84.9	1.1	0.0	0.0	0.0	0.0	83	2.0	0.0	0.0	0.0	0.0
1954	73.5	0.0	0.0	0.0	0.0	0.0	73.8	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.3	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1955	70.7	0.0	0.0	0.0	+	+	74.4	0.0	0.0	0.0	0.1	0.1	89.4	--	--	--	--	0.2	91.1	--	--	--	--	0.0	77.9	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1956	70	0.0	0.0	0.0	+	+	86.5	--	--	0.0	0.0	0.0	87.3	--	--	0.0	0.0	0.0	80.1	--	0.5	0.0	0.0	0.0	73.5	0.6	0.6	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1957	70	0.0	0.0	0.0	+	+	86.8	--	--	0.0	0.4	0.4	85.4	--	--	0.0	0.1	0.1	88	--	--	--	0.5	0.5	88.3	--	--	--	0.3	0.3	86.9	--	--	0.0	0.7	0.7
1958	82.7	--	0.0	0.0	0.0	0.0	74.4	0.0	0.0	0.0	0.0	0.0	77.6	0.0	0.0	0.0	0.0	0.0	79.6	0.0	0.0	0.0	0.0	0.0	89.8	--	--	--	--	0.0	86.7	0.4	--	0.0	0.0	0.0
1959	74.9	0.0	0.0	0.0	0.0	0.0	83.3	--	0.0	0.0	0.0	0.0	83.5	--	--	0.0	0.0	0.0	74.9	0.0	0.0	0.0	0.0	0.0	73.6	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1960	80.3	--	0.0	0.0	0.0	0.0	78.5	0.0	0.0	0.0	0.0	0.0	76.7	0.0	0.4	0.0	0.0	0.0	83.4	--	0.0	0.0	3.2	3.2	81.9	--	0.9	0.0	1.1	1.1	78	2.2	1.0	0.0	0.0	0.0
1961	70	0.0	0.0	0.0	+	+	75.2	0.0	0.0	0.0	0.0	0.0	91.4	--	--	--	--	--	92.1	--	--	--	--	--	90.1	--	--	--	--	0.0	90.4	--	--	--	--	0.0
1962	82.5	--	0.0	0.0	0.0	0.0	87.1	--	--	0.0	0.3	0.3	89.7	--	--	--	--	0.6	91.6	--	--	--	--	--	91.2	--	--	--	--	--	70.9	0.8	0.0	0.0	+	+
1963	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	86.6	--	--	0.0	1.1	1.1	87.8	--	--	--	0.8	1.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1964	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	88.4	--	--	--	0.4	0.6	89	--	--	--	--	0.5	85.1	--	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1965	74.6	0.0	0.0	0.0	0.0	0.0	84.4	--	0.0	0.0	0.0	0.0	80	0.0	0.0	0.0	0.0	0.0	87.5	--	--	--	0.6	0.6	87.7	--	--	--	0.5	0.5	70	0.0	0.0	0.0	+	+
1966	74.4	0.0	0.0	0.0	0.0	0.0	86.1	--	--	0.0	0.9	0.9	86.3	--	--	0.0	0.6	0.6	78.1	0.0	0.0	0.0	0.0	0.0	85.9	--	--	0.0	0.1	0.1	78.5	1.2	0.0	0.0	0.0	0.0
1967	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.5	--	--	0.0	0.0	0.0	81	--	0.0	0.0	0.0	0.0	85.3	--	0.0	0.0	0.0	0.0	84.9	--	0.0	0.0	0.0	0.0
1968	83.6	--	0.0	0.0	0.0	0.0	82.5	--	0.0	0.0	0.4	0.4	85.2	--	--	0.0	0.0	0.0	88.7	--	--	--	0.0	0.0	78.8	0.0	0.0	0.0	0.0	0.0	85.1	--	0.0	0.0	0.0	0.0
1969	78.5	0.0	0.0	0.0	1.5	1.5	89.7	--	--	--	--	0.6	86.2	--	--	--	--	0.4	87.1	--	--	0.0	0.0	0.0	87.8	--	--	--	0.0	0.0	74.3	0.0	0.0	0.0	0.0	0.0
1970	80.8	--	0.0	0.0	0.5	0.5	75.2	0.0	0.0	0.0	0.0	0.0	76.6	--	--	0.0	0.0	0.0	85.1	--	0.0	0.0	0.0	0.0	91.2	--	--	--	--	--	81.2	--	--	--	--	0.0
1971	75.8	0.0	0.0	0.0	0.0	0.0	83.7	--	0.0	0.0	0.2	0.2	89.8	--	--	--	--	0.2	79.8	0.0	0.0	0.0	0.0	0.1	77.6	0.0	--	0.0	0.0	0.0	70	0.3	0.0	0.0	+	+
1972	79.4	0.0	0.0	0.0	0.0	0.0	71.1	0.0	0.0	0.0	+	+	81	--	--	0.0	0.0	0.0	84	--	0.0	0.0	0.3	0.3	87.9	--	--	--	0.1	0.1	70	1.8	0.9	0.0	+	+
1973	90.5	--	--	--	--	0.0	90.1	--	--	--	--	0.0	93.3	--	--	--	--	--	98.1	--	--	--	--	--	100.1	--	--	--	--	--	98.8	--	--	--	--	--
1974	93.8	--	--	--	--	--	95.3	--	--	--	--	--	91.3	--	--	--	--	--	88.2	--	--	--	0.0	0.0	86.3	--	--	0.0	0.0	0.0	91.4	--	--	--	--	--
1975	86.5	--	--	0.0	0.0	0.0	88.9	--	--	--	0.0	0.0	93.4	--	--	--	--	--	95.3	--	--	--	--	--	91.4	--	--	--	--	--	84.9	--	0.0	0.0	0.0	0.0
1976	81.4	--	0.0	0.0	0.0	0.0	81.6	--	--	0.0	0.0	0.0	84.8	--	--	0.0	0.0	0.0	78.9	0.0	0.0	0.0	0.0	0.0	71.9	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1977	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	80.2	--	0.0	0.0	0.0	0.0	82.6	--	0.0	0.0	0.5	0.5	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1978	77.7	0.0	0.0	0.0	0.0	0.0	80.5	--	0.0	0.0	0.0	0.0	85.1	--	0.0	0.0	0.9	0.9	86.6	--	--	0.0	0.8	0.8	86.9	--	--	0.0	0.0	0.0	85.8	--	--	0.0	0.0	0.0
1979	83.6	--	0.0	0.0	0.0	0.0	83.8	--	0.0	0.0	0.0	0.0	90.5	--	--	--	--	0.3	95.2	--	--	--	--	--	95.7	--	--	--	--	--	87.3	--	--	--	0.0	0.0
1980	76.8	0.0	0.0	0.0	0.0	0.0	73.9	0.0	0.0	0.0	0.0	0.0	89.4	--	--	--	--	0.0	92.4	--	--	--	--	--	91.1	--	--	--	--	--	73.4	1.1	0.4	0.0	0.0	0.0
1981	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	74.8	--	0.0	0.0	0.0	0.0	71.5	0.0	0.0	0.0	+	+	82.2	--	0.0	0.0	0.0	0.0	82.7	--	0.0	0.0	0.0	0.0
1982	75.4	0.0	0.0	0.0	0.8	0.8	85.1	0.0	0.0	0.0	1.7	1.7	86.3	--	--	0.0	0.4	0.4	87.4	--	--	--	1.0	1.0	78.5	0.0	0.0	0.0	0.0	0.0	83.3	--	0.0	0.0	0.0	0.0
1983	93.4	--	--	--	--	--	80.7	--	0.0	0.0	0.0	0.0	79.1	--	0.0	0.0	0.0	0.0	90.4	--	--	--	--	0.2	94.9	--	--	--	--	--	95.7	--	--	--	--	--
1984	77.7	0.0	0.0	0.0	0.0	0.0	82.7	--	0.0	0.0	0.0	0.0	87.2	--	--	0.0	0.1	0.1	91	--	--	--	--	0.0	93.6	--	--	--	--	--	93.7	--	--	--	--	--
1985	82.1	--	0.0	0.0	4.0	4.0	79.3	0.0	0.0	0.0	0.0	0.0	88.4	--	--	--	0.4	0.6	88.2	--	--	--	0.1	0.2	80	0.0	0.0	0.0	0.0	0.0	71.6	0.8	--	0.0	+	+
1986	76.2	0.0	0.0	0.0	0.3	0.3	81.9	--	0.0	0.0	0.9	0.9	81.2	--	0.0	0.0	0.0	0.0	79.8	0.0	0.0	0.0	0.0	0.0	80	0.0	0.0	0.0	0.0	0.0	80.1	0.8	--	0.0	0.0	0.0
1987	75.2	0.0	0.0	0.0	0.0	0.0	72.9	0.0	0.0	0.0	0.2	0.2	88.5	--	--	0.0	0.2	0.2	83.7	--	0.0	0.0	0.1	0.1	82.9	--	0.0	0.0	0.1	0.1	70	0.5	0.0	0.0	+	+
1988	87.4	--	--	--	0.3	0.3	81.7	--	0.0	0.0	0.2	0.2	79.2	0.0	0.0	0.0	0.0	0.0	81.5	--	0.0	0.0	0.0	0.0	71.4	1.5	1.5	0.0	+	+	70	0.0	0.0	0.0	+	+
1989	85.6	--	--	0.0	0.0	0.0	86.2	--	--	0.0	0.3	0.3	90.4	--	--	--	--	0.1	87.8	--	--	--	0.1	0.2	78.3	0.8	0.0	0.0	0.0	0.0	82.3	--	--	0.0	0.0	0.0
1990	77.8	0.0	0.0	0.0	0.0	0.0	91.5	--	--	--	--	--	92	--	--	--	--	--	88.7	--	--	--	--	0.0	87.7	--	--	--	0.4	0.4	90.1	--	--	--	--	0.2
1991	93	--	--	--	--	--	92.3	--	--	--	--	--	90.3	--	--	--	--	0.0	90.7	--	--	--	0.0	0.0	91.4	--	--	0.0	0.1	0.1	82.2	1.2	--	0.0	0.0	0.0
1992	76.5	0.0	0.0	0.0	0.0	0.0	71	0.0	0.0	0.0	+	+	82.2	--	0.0	0.0	0.0	0.0	80.5	--	0.7	0.0	0.0	0.0	77.8	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1993	85.1	--	--	0.0	0.0	0.0	84.5	--	0.0	0.0	0.0	0.0	86.1	--	--	0.0	0.3	0.3	92.4	--	--	--	--	--	93.6	--	--	--	--	--	91.4	--	--	--	--	--
1994	78.2	0.0	0.0	0.0	0.0	0.0	90.3	--	--	--	--	0.0	93	--	--	--	--	--	92.5	--	--	--	--	--	93.5	--	--	--	--	--	80.2	--	0.0	0.0	0.0	0.0
1995	82.5	--	0.0	0.0	0.0	0.0	81.7	--	0.0	0.0	0.0	0.0	85.2	--	0.0	0.0	0.0	0.0	81.7	0.0	0.0	0.0	0.0	0.0	86.4	--	--	0.0	0.4	0.4	90.2	--	--	--	--	0.0
1996	77.6	0.0	0.0	0.0	0.0	0.0	80.9	--	0.0	0.0	0.0	0.0	77.1	0.0	0.0	0.0	0.0	0.0	79.2	0.0	0.0	0.0	0.0	0.0	86.6	--	--	0.0	1.1	1.1	90.3	--	--	--	--	0.3
1997	80.3	--	0.0	0.0	0.0	0.0	82.2	--	0.0	0.0	0.0	0.0	93	--	--	--	--	--	93.6	--	--	--	--	--	82.8	--	0.0	0.0	0.0	0.0	84.2	--	0.0	0.0	0.0	0.0

LEGEND: "--" PUMPS ON, "+" MINIMUM PONDING ELEVATION CHANGE FROM 70 TO 73, "0.0" NO CHANGE

ENGINEERING SUMMARY
HYDROLOGIC RESTORATION IMPACTS: JANUARY- JUNE
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

HYDROLOGICAL RESTORATION IMPACTS - JULY THROUGH DECEMBER

YEAR	BASE JULY STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE AUG. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE SEPT. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE OCT. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE NOV. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE DEC. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91
		JULY						AUGUST						SEPTEMBER						OCTOBER						NOVEMBER						DECEMBER				
1943	82.2	--	0.0	0.0	0.2	0.2	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1944	71.3	0.5	0.0	0.0	5.4	5.4	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1945	88.6	--	--	--	--	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	77.5	0.0	0.0	0.0	0.2	0.2	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1946	76	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1947	85.7	--	--	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1948	75.5	0.0	0.0	0.0	0.0	0.0	72.6	0.0	--	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	78.9	0.0	0.0	0.0	0.0	0.0
1949	70.9	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	76	0.0	0.0	0.0	0.0	0.0
1950	77.4	1.0	0.0	0.0	0.3	0.3	76.9	0.0	0.0	0.0	0.0	0.0	72.6	0.0	0.0	0.0	0.7	0.7	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	79.5	0.0	0.0	0.0	0.0	0.0
1951	85.4	--	--	0.0	0.0	0.0	85.5	--	--	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	74.3	0.0	0.0	0.0	0.0	0.0	87	--	--	0.0	0.1	0.1
1952	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1953	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1954	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1955	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1956	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1957	80.4	0.8	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	84.6	--	0.0	0.0	0.9	0.9	85.5	--	--	0.0	0.6	0.6
1958	82.9	0.0	0.0	0.0	0.0	0.0	84.3	--	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1959	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	71.9	0.7	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	77.2	0.0	0.0	0.0	0.0	0.0
1960	76	1.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1961	72	0.8	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75	0.0	0.0	0.0	0.1	0.1	82.7	--	0.0	0.0	0.0	0.0
1962	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1963	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1964	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1965	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.4	0.2	0.0	0.0	0.7	0.7	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1966	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.5	0.0	0.0	0.0	0.0	0.0
1967	75.9	0.9	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	83.1	--	0.0	0.0	0.0	0.0
1968	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.2	0.0	0.0	0.0	+	+
1969	78	1.0	0.0	0.0	0.0	0.0	72.6	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1970	70.2	0.8	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.7	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	74.6	0.0	0.0	0.0	0.0	0.0
1971	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	78.2	0.0	0.0	0.0	0.0	0.0
1972	70	0.3	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	84.9	--	0.0	0.0	0.2	0.2	89.8	--	--	--	--	0.3
1973	87.7	--	--	--	0.0	0.0	71.2	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70.5	0.0	0.0	0.0	+	+	77.1	0.1	0.1	0.0	2.6	2.6	86.3	--	--	0.0	1.2	1.2
1974	88.5	--	--	--	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73	0.0	0.0	+	0.1	0.1	74.3	0.0	0.0	0.0	0.0	0.0
1975	71	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	71.3	0.0	0.0	0.0	+	+
1976	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1977	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.8	0.0	0.0	0.0	0.0	0.0	81.5	--	--	0.0	2.0	2.0
1978	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	85.9	--	--	0.0	0.0	0.0
1979	70.3	0.0	0.0	0.0	+	+	75.2	0.0	0.0	0.0	0.0	0.0	73.1	0.9	0.0	0.0	0.1	0.1	74	0.9	0.0	0.0	0.0	0.0	73.7	0.0	0.0	0.0	0.0	0.0	80.9	--	--	0.0	1.1	1.1
1980	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1981	75.6	0.0	0.0	0.0	0.0	0.0	71.3	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1982	72.9	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	91	--	--	--	--	0.1
1983	79.3	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.8	0.0	0.0	0.0	0.3	0.3	87.9	--	--	0.0	0.1	0.1
1984	74.5	1.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.9	0.0	0.0	0.0	+	+	78.3	0.0	0.0	0.0	0.0	0.0	78.2	0.1	0.1	0.0	3.7	3.7
1985	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70.7	0.0	0.0	0.0	+	+	79.8	0.0	0.0	0.0	5.0	5.0	87.1	--	--	0.0	1.2	1.2
1986	71.7	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.1	--	0.0	0.0	1.1	1.1	80.4	0.0	0.0	0.0	0.0	0.0	86.1	--	--	0.0	0.6	0.6
1987	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.6	--	0.0	0.0	1.6	1.6
1988	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.2	0.0	0.0	0.0	0.0	0.0	75.9	0.0	0.0	0.0	0.0	0.0
1989	83.4	--	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1990	76.5	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	87.4	--	--	--	0.4	0.4
1991	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	87.2	--	--	0.0	0.0	0.0
1992	70.6	0.0	0.0	0.0	+	+	76.1	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	79.2	0.0	0.0	0.0	2.1	2.1	85.2	--	--	0.0	0.5	0.5
1993	85	--	0.0	0.0	0.0	0.0	86.4	--	--	0.0	0.0	0.0	82	--	0.0	0.0	0.0	0.0	78.8	0.7	0.0	0.0	1.7	1.7	80.7	--	0.0	0.0	2.3	2.3	84	--	--	0.0	0.0	0.0
1994	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	77	0.0	0.0	0.0	0.0	0.0
1995	88.1	--	--	--	0.0	0.0	71.2	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1996	86.5	--	--	0.0	0.0	0.2	71.3	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.8	0.0	0.0	0.0	1.0	1.0	84.9	--	--	0.0	0.1	0.1
1997	80.3	0.5	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+

LEGEND: "--" PUMPS ON, "+" MINIMUM PONDING ELEVATION CHANGE FROM 70 TO 73, "0.0" NO CHANGE

ENGINEERING SUMMARY
HYDROLOGIC RESTORATION IMPACTS: JULY- DECEMBER
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

FLOOD CONTROL IMPACTS - JANUARY THROUGH DECEMBER

YEAR	BASE JAN. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE FEB. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE MAR. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE APR. STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE MAY STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91	BASE JUNE STAGE	PLAN 3 P80/85	PLAN 4 P85	PLAN 5 P87	PLAN 6 P88.5	PLAN 7 P91
		JANUARY						FEBRUARY						MARCH						APRIL						MAY						JUNE				
1943	80.8	0.0	++	0.0	++	++	78	0.0	++	0.0	0.0	0.0	86.5	-3.5	-1.0	0.0	++	++	89.7	-6.0	-4.1	-2.2	-0.8	++	85.4	-4.5	-0.2	0.0	++	++	87.5	-6.6	-2.3	-0.4	++	++
1944	70	0.0	0.0	0.0	+	+	72.6	0.0	-0.9	0.0	+	+	88	-4.4	-2.3	-0.5	++	++	92.7	-2.2	-1.6	-1.4	-1.4	-1.2	95.3	-4.0	-3.4	-3.3	-3.2	-3.1	89.5	-1.5	-1.8	-2.6	0.0	-2.4
1945	81.2	-0.8	++	0.0	0.0	0.0	83.1	-0.6	0.0	0.0	++	++	93.6	-4.3	-3.6	-3.2	-2.8	-1.6	96.6	-5.8	-5.4	-5.0	-4.6	-3.5	96.9	-6.2	-5.8	-5.4	-5.0	-4.0	90.2	-1.1	-2.2	-2.0	-1.7	-1.5
1946	92.4	-2.6	-2.4	-2.1	-1.9	-1.1	92.1	-2.3	-2.1	-1.8	-1.6	-0.8	90.1	-4.5	-4.3	-2.5	-1.1	0.0	86.5	-4.1	-1.0	0.0	0.0	0.0	83.2	-1.2	++	0.0	0.0	0.0	84	-1.8	++	0.0	0.0	0.0
1947	82.8	-1.1	0.0	0.0	0.0	0.0	83.9	-1.2	++	0.0	0.0	0.0	73.1	0.0	++	0.0	0.0	0.0	90.2	-4.9	-4.0	-2.6	-1.2	++	90.9	-5.6	-4.7	-3.3	-1.9	0.0	85.5	-3.8	-0.2	0.0	0.0	0.0
1948	70	0.0	0.0	0.0	+	+	87.3	-1.8	-1.7	0.0	++	++	91.3	-3.6	-3.3	-2.2	-1.6	-0.1	92.2	-6.8	-6.1	-4.3	-3.0	-0.9	91.9	-6.5	-5.8	-4.0	-2.8	0.0	70.1	0.0	0.0	0.0	+	+
1949	90.3	-4.0	-3.7	-2.3	-1.2	++	93.6	-6.5	-6.0	-4.9	-4.1	-2.4	94	-7.8	-7.2	-6.2	-5.1	-2.8	90.2	-4.9	-3.2	-1.9	-1.1	-0.1	79.5	0.0	0.0	0.0	0.0	0.0	76.2	++	0.0	0.0	0.0	0.0
1950	91.2	-3.9	-3.6	-2.5	-1.7	-0.1	95.3	-5.5	-5.2	-4.9	-4.5	-3.2	96	-6.1	-5.8	-5.4	-5.1	-3.8	90.8	-3.1	-2.2	-2.1	-1.9	-1.5	86.1	-5.0	-0.8	0.0	++	++	81	++	-0.1	0.0	0.0	0.0
1951	86.4	-1.1	-1.0	0.0	++	++	86.2	-1.0	-0.9	0.0	++	++	89.1	-3.8	-3.7	-1.7	-0.3	++	89.4	-7.8	-3.9	-2.0	-0.5	0.0	89	-7.7	-3.6	-1.6	-0.1	0.0	74.9	++	0.0	0.0	0.0	0.0
1952	86.4	-1.2	-0.9	0.0	++	++	89.3	-3.9	-3.8	-1.9	-0.5	++	87	-3.0	-1.6	0.0	++	++	90.2	-8.5	-4.7	-2.7	-1.2	++	89.1	-7.4	-3.6	-1.6	-0.1	++	73.2	++	0.0	0.0	0.0	0.0
1953	70	0.0	0.0	0.0	+	+	74.1	0.0	++	0.0	0.0	0.0	82.4	-1.1	0.0	0.0	0.0	0.0	82.1	-0.5	++	0.0	0.0	0.0	84.9	++	++	0.0	0.0	0.0	83	++	0.0	0.0	0.0	0.0
1954	73.5	0.0	0.0	0.0	0.0	0.0	73.8	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.3	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1955	70.7	0.0	0.0	0.0	+	+	74.4	0.0	++	0.0	++	++	89.4	-4.1	-2.9	-1.6	-0.4	++	91.1	-3.6	-2.5	-1.9	-1.4	0.0	77.9	-0.5	-0.5	-0.4	-0.3	0.0	70	0.0	0.0	0.0	+	+
1956	70	0.0	0.0	0.0	+	+	86.5	-1.4	-0.7	0.0	0.0	0.0	87.3	-1.8	-1.5	0.0	0.0	0.0	80.1	-0.5	++	0.0	0.0	0.0	73.5	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1957	70	0.0	0.0	0.0	+	+	86.8	-1.5	-1.4	0.0	++	++	85.4	-2.0	-0.8	0.0	++	++	88	-6.2	-2.5	-0.6	++	++	88.3	-6.6	-2.8	0.0	++	++	86.9	-5.7	-1.6	0.0	++	++
1958	82.7	-1.2	++	0.0	0.0	0.0	74.4	0.0	++	0.0	0.0	0.0	77.6	0.0	++	0.0	0.0	0.0	79.6	++	++	0.0	0.0	0.0	89.8	-0.7	-0.7	0.0	0.0	0.0	86.7	++	-0.4	-0.2	-0.1	0.0
1959	74.9	0.0	0.0	0.0	0.0	0.0	83.3	-1.2	0.0	0.0	0.0	0.0	83.5	-1.3	0.0	0.0	0.0	0.0	74.9	++	++	0.0	0.0	0.0	73.6	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1960	80.3	-1.0	0.0	0.0	0.0	0.0	78.5	0.0	++	0.0	0.0	0.0	76.7	0.0	++	0.0	0.0	0.0	83.4	-2.6	++	0.0	++	++	81.9	-0.9	++	0.0	++	++	78	++	++	0.0	0.0	0.0
1961	70	0.0	0.0	0.0	+	+	75.2	0.0	0.0	0.0	0.0	0.0	91.4	-4.8	-3.9	-2.9	-2.1	-0.2	92.1	-4.6	-3.8	-3.0	-2.4	-0.8	90.1	-4.2	-4.1	-2.7	-1.3	0.0	90.4	-8.9	-5.0	-3.0	-1.5	0.0
1962	82.5	-1.0	++	0.0	0.0	0.0	87.1	-1.7	-1.7	0.0	++	++	89.7	-8.2	-4.3	-2.4	-0.9	++	91.6	-10.3	-6.2	-4.2	-2.7	-0.4	91.2	-9.8	-5.8	-3.8	-2.3	-0.2	70.9	++	0.0	0.0	+	+
1963	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	86.6	-5.2	-1.3	0.0	++	++	87.8	-6.9	-2.5	-0.6	++	++	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+
1964	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	88.4	-6.4	-2.9	-1.0	++	++	89	-6.8	-3.5	-1.6	-0.2	++	85.1	-1.0	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1965	74.6	0.0	++	0.0	0.0	0.0	84.4	-1.2	++	0.0	0.0	0.0	80	0.0	0.0	0.0	0.0	0.0	87.5	-6.4	-2.2	-0.3	++	++	87.7	-6.9	-2.5	-0.5	++	++	70	0.0	0.0	0.0	+	+
1966	74.4	0.0	0.0	0.0	0.0	0.0	86.1	-0.8	-0.8	0.0	++	++	86.3	-1.0	-1.0	0.0	++	++	78.1	0.0	0.0	0.0	0.0	0.0	85.9	-4.5	-0.6	0.0	++	++	78.5	++	0.0	0.0	0.0	0.0
1967	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.5	-1.2	0.0	0.0	0.0	0.0	81	-0.4	++	0.0	0.0	0.0	85.3	-2.7	++	0.0	0.0	0.0	84.9	-2.5	0.0	0.0	0.0	0.0
1968	83.6	-1.3	0.0	0.0	0.0	0.0	82.5	-0.9	0.0	0.0	++	++	85.2	-3.7	-0.2	0.0	0.0	0.0	88.7	-4.0	-2.3	-0.8	0.0	0.0	78.8	++	0.0	0.0	0.0	0.0	85.1	-3.8	0.0	0.0	0.0	0.0
1969	78.5	0.0	0.0	0.0	++	++	89.7	-4.2	-4.2	-2.2	-0.7	++	86.2	-3.6	-2.7	-0.9	-0.2	++	87.1	-3.7	-1.6	0.0	0.0	0.0	87.8	-4.6	-2.3	-0.4	0.0	0.0	74.3	++	++	0.0	0.0	0.0
1970	80.8	-0.5	++	0.0	++	++	75.2	0.0	++	0.0	0.0	0.0	76.6	0.0	0.0	0.0	0.0	0.0	85.1	-1.8	++	0.0	0.0	0.0	91.2	-4.3	-3.7	-2.6	-2.0	-0.1	81.2	-0.4	-1.3	-0.9	-0.7	0.0
1971	75.8	0.0	0.0	0.0	0.0	0.0	83.7	-1.1	++	0.0	++	++	89.8	-5.8	-4.2	-2.3	-0.8	++	79.8	0.0	0.0	0.0	0.0	++	77.6	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1972	79.4	0.0	++	0.0	0.0	0.0	71.1	0.0	0.0	0.0	++	++	81	-1.1	0.0	0.0	0.0	0.0	84	-2.9	0.0	0.0	++	++	87.9	-6.2	-2.4	-0.5	++	++	70	0.0	0.0	0.0	+	+
1973	90.5	-3.6	-3.5	-1.8	-0.9	0.0	90.1	-3.9	-3.6	-2.2	-0.9	0.0	93.3	-3.0	-2.5	-2.2	-1.9	-1.0	98.1	-3.7	-3.3	-3.1	-3.0	-2.7	100.1	-4.6	-4.4	-4.2	-4.1	-3.8	98.8	-3.6	-3.4	-3.2	-3.1	-2.8
1974	93.8	-3.7	-3.6	-3.1	-2.7	-1.8	95.3	-4.5	-4.3	-3.8	-3.4	-2.6	91.3	-3.1	-2.1	-1.8	-1.5	-1.0	88.2	-3.4	-1.9	-0.7	0.0	0.0	86.3	-1.7	-0.6	0.0	0.0	0.0	91.4	-3.8	-3.5	-2.6	-2.0	-0.2
1975	86.5	-1.1	-1.0	0.0	0.0	0.0	88.9	-3.1	-2.9	-1.3	0.0	0.0	93.4	-6.2	-5.1	-3.7	-3.1	-1.9	95.3	-7.8	-6.8	-5.5	-4.9	-3.7	91.4	-5.1	-4.8	-3.5	-2.3	-0.3	84.9	-1.8	-2.9	-2.5	-2.1	-0.5
1976	81.4	-1.1	++	0.0	0.0	0.0	81.6	-1.5	-0.6	0.0	0.0	0.0	84.8	-2.3	0.0	0.0	0.0	0.0	78.9	0.0	++	0.0	0.0	0.0	71.9	+	+	+	+	+	70	0.0	0.0	0.0	+	+
1977	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	80.2	0.0	++	0.0	0.0	0.0	82.6	-1.6	0.0	0.0	++	++	70	+	+	+	+	+	70	0.0	0.0	0.0	+	+
1978	77.7	0.0	++	0.0	0.0	0.0	80.5	-1.0	0.0	0.0	0.0	0.0	85.1	-4.2	++	0.0	++	++	86.6	-5.7	-1.4	0.0	++	++	86.9	-2.0	-1.4	0.0	0.0	0.0	85.8	-2.1	-0.5	0.0	0.0	0.0
1979	83.6	-1.1	++	0.0	0.0	0.0	83.8	-1.2	0.0	0.0	0.0	0.0	90.5	-7.4	-5.0	-3.1	-1.6	++	95.2	-7.2	-5.9	-5.0	-4.5	-2.8	95.7	-6.7	-5.9	-5.2	-4.6	-3.0	87.3	-1.8	-2.8	-2.2	-1.8	-1.1
1980	76.8	0.0	++	0.0	0.0	0.0	73.9	0.0	++	0.0	0.0	0.0	89.4	-2.8	-2.0	-1.0	-0.3	0.0	92.4	-1.9	-1.6	-1.4	-1.3	-0.6	91.1	-0.8	-0.6	-0.7	-0.6	-0.2	73.4	++	++	0.0	0.0	0.0
1981	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	74.8	0.0	++	0.0	0.0	0.0	71.5	0.0	0.0	0.0	+	+	82.2	-0.4	0.0	0.0	0.0	0.0	82.7	-0.8	++	0.0	0.0	0.0
1982	75.4	0.0	++	0.0	++	++	85.1	-0.6	++	0.0	++	++	86.3	-3.1	-1.0	0.0	++	++	87.4	-5.9	-2.0	-0.2	++	++	78.5	0.0	++	0.0	0.0	0.0	83.3	-2.3	0.0	0.0	0.0	0.0
1983	93.4	-3.4	-3.3	-2.8	-2.4	-1.4	80.7	-0.8	0.0	0.0	0.0	0.0	79.1	0.0	++	0.0	0.0	0.0	90.4	-6.3	-4.6	-2.8	-1.4	++	94.9	-7.2	-6.1	-4.8	-4.3	-2.6	95.7	-7.0	-6.2	-5.4	-4.8	-3.2
1984	77.7	0.0	0.0	0.0	0.0	0.0	82.7	-1.6	-0.5	0.0	0.0	0.0	87.2	-3.2	-1.7	0.0	++	++	91	-8.4	-5.5	-3.5	-2.0	0.0	93.6	-9.6	-7.8	-5.9	-4.4	-2.4	93.7	-10.9	-8.3	-6.4	-4.9	-2.5
1985	82.1	-0.6	++	0.0	++	++	79.3	0.0	++	0.0	0.0	0.0	88.4	-7.2	-3.1	-1.1	++	++	88.2	-7.0	-2.8	-0.9	++	++	80	0.0	0.0	0.0	0.0	0.0	71.6	+	0.0	0.0	+	+
1986	76.2	0.0	0.0	0.0	++	++	81.9	-0.7	0.0	0.0	++	++	81.2	-1.2	0.0	0.0	0.0	0.0	79.8	0.0	0.0	0.0	0.0	0.0	80	++	++	0.0	0.0	0.0	80.1	++	0.0	0.0	0.0	0.0
1987	75.2	0.0	++	0.0	0.0	0.0	72.9	0.0	0.0	0.0	+	+	88.5	-4.1	-2.7	-1.0	++	++	83.7	-2.8	++	0.0	++	++	82.9	-2.1	++	0.0	++	++	70	0.0	0.0	0.0	+	+
1988	87.4	-1.9	-1.8	-0.1	++	++	81.7	-0.9	++	0.0	++	++	79.2	0.0	++	0.0	0.0	0.0	81.5	-0.5	++	0.0	0.0	0.0	71.4	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+
1989	85.6	-0.9	-0.1	0.0	0.0	0.0	86.2	-0.8	-0.8	0.0	++	++	90.4	-4.4	-4.2	-2.8	-1.4	++	87.8	-6.4	-2.4	-0.6	++	++	78.3	++	0.0	0.0	0.0	0.0	82.3	-0.7	0.0	0.0	0.0	0.0
1990	77.8	0.0	0.0	0.0	0.0	0.0	91.5	-4.3	-4.0	-2.7	-2.1	-0.3	92	-4.7	-4.3	-3.1	-2.5	-0.8	88.7	-3.6	-2.4	-1.2	-0.1	0.0	87.7	-6.1	-2.3	-0.4	++	++	90.1	-8.5	-4.6	-2.6	-1.2	++
1991	93	-4.7	-4.4	-3.5	-3.0	-1.8	92.3	-4.8	-4.2	-3.4	-2.8	-1.2	90.3	-0.9	-0.2	-0.1	-0.1	0.0	90.7	-0.7	-0.2	-0.1	0.0	0.0	91.4	-0.4	-0.1	0.0	++	++	82.2	++	-0.1	0.0	0.0	0.0
1992	76.5	0.0	0.0	0.0	0.0	0.0	71	0.0	0.0	0.0	+	+	82.2	-1.1	++	0.0	0.0	0.0	80.5	-0.3	++	0.0	0.0	0.0	77.8	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+
1993	85.1	-1.3	0.0	0.0	0.0	0.0	84.5	-1.4	0.0	0.0	0.0	0.0	86.1	-4.9	-0.8	0.0	++	++	92.4	-6.6	-5.1	-3.4	-2.7	-1.1	93.6	-4.2	-3.6	-3.0	-2.6	-1.4	91.4	-2.1	-2.0	-1.3	-1.1	-0.5
1994	78.2	0.0	++	0.0	0.0	0.0	90.3	-3.8	-3.2	-2.3	-1.2	0.0	93	-4.5	-3.8	-3.4	-2.9	-1.5	92.5	-4.7	-3.9	-3.3	-3.0	-1.3	93.5	-6.4	-6.0	-5.7	-4.6	-2.3	80.2	-5.4	-6.6	-6.3	-5.7	-3.5
1995	82.5	-1.1	++	0.0	0.0	0.0	81.7	-1.1	0.0	0.0	0.0	0.0	85.2	-1.2	++	0.0	0.0	0.0	81.7	++	++	0.0	0.0	0.0	86.4	-4.6	-1.1	0.0	++	++	90.2	-9.2	-4.9	-2.9	-1.4	0.0
1996	77.6	0.0	++	0.0	0.0	0.0	80.9	-1.0	++	0.0	0.0	0.0	77.1	0.0	0.0	0.0	0.0	0.0	79.2	0.0	0.0	0.0	0.0	0.0	86.6	-5.9	-1.4	0.0	++	++	90.3	-8.9	-4.9	-2.9	-1.4	++
1997	80.3	-1.6	0.0	0.0	0.0	0.0	82.2	-1.1	++	0.0	0.0	0.0	93	-4.4	-3.4	-2.9	-2.5	-1.6	93.6	-5.1	-4.0	-3.5	-3.1	-2.2	82.8	-1.0	0.0	0.0	0.0	0.0	84.2	-0.9	++	0.0	0.0	0.0

LEGEND: "+" MINIMUM PONDING ELEVATION CHANGE FROM 70 TO 73, "++" HYDROLOGICAL RESTORATION IMPACT, "0.0" NO CHANGE

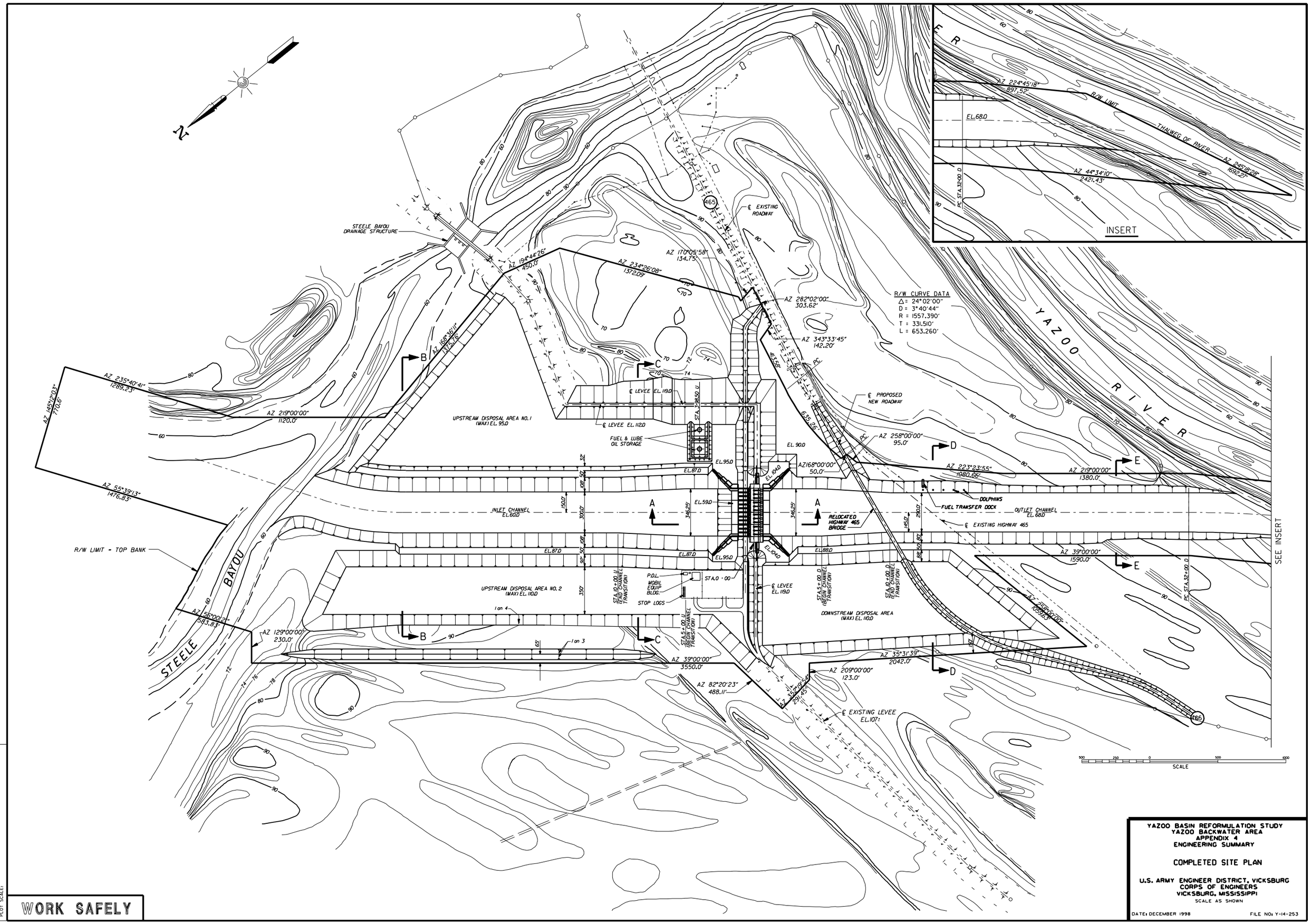
ENGINEERING SUMMARY
FLOOD CONTROL IMPACTS
JANUARY - JUNE
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000

FLOOD CONTROL IMPACTS - JULY THROUGH DECEMBER

0	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7	BASE	PLAN 3	PLAN 4	PLAN 5	PLAN 6	PLAN 7
	JULY	P80/85	P85	P87	P88.5	P91	AUG.	P80/85	P85	P87	P88.5	P91	SEPT.	P80/85	P85	P87	P88.5	P91	OCT.	P80/85	P85	P87	P88.5	P91	NOV.	P80/85	P85	P87	P88.5	P91	DEC.	P80/85	P85	P87	P88.5	P91
YEAR	STAGE	JULY					STAGE	AUGUST					STAGE	SEPTEMBER					STAGE	OCTOBER					STAGE	NOVEMBER					STAGE	DECEMBER				
1943	82.2	-1.5	-0.3	0.0	++	++	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1944	71.3	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1945	88.6	-7.5	-3.3	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	77.5	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1946	76	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1947	85.7	-5.0	-0.5	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1948	75.5	++	0.0	0.0	0.0	0.0	72.6	+	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	78.9	-1.5	-0.5	0.0	0.0	0.0
1949	70.9	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	76	-0.9	0.0	0.0	0.0	0.0
1950	77.4	++	++	0.0	++	++	76.9	++	0.0	0.0	0.0	0.0	72.6	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	79.5	-1.0	++	0.0	0.0	0.0
1951	85.4	-4.6	-0.3	0.0	0.0	0.0	85.5	-5.2	-0.4	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	74.3	++	++	0.0	0.0	0.0	87	-1.4	-1.4	0.0	++	++
1952	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1953	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1954	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1955	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1956	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1957	80.4	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	84.6	-3.3	++	0.0	++	++	85.5	-1.3	-0.3	0.0	++	++
1958	82.9	-1.7	0.0	0.0	0.0	0.0	84.3	-3.0	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1959	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	71.9	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	77.2	-0.9	++	0.0	0.0	0.0
1960	76	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1961	72	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75	++	++	0.0	++	++	82.7	-1.0	0.0	0.0	0.0	0.0
1962	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1963	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1964	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	++	0.0	++	++
1965	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.4	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1966	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.5	-0.8	++	0.0	0.0	0.0
1967	75.9	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	83.1	-1.1	++	0.0	0.0	0.0
1968	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.2	-0.5	++	0.0	++	++
1969	78	++	0.0	0.0	0.0	0.0	72.6	+	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1970	70.2	++	++	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	74.6	-0.9	0.0	0.0	0.0	0.0
1971	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	78.2	-1.0	0.0	0.0	0.0	0.0
1972	70	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	84.9	-4.0	++	0.0	++	++	89.8	-4.3	-4.3	-2.3	-0.9	++
1973	87.7	-0.9	-2.6	0.0	0.0	0.0	71.2	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70.5	0.0	0.0	0.0	+	+	77.1	++	++	0.0	++	++	86.3	-1.0	-1.0	0.0	++	++
1974	88.5	-1.6	-1.9	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73	++	++	++	++	++	74.3	-0.7	0.0	0.0	0.0	0.0
1975	71	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	71.3	-0.8	++	0.0	++	++
1976	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1977	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	73.8	0.0	0.0	0.0	0.0	0.0	81.5	-0.5	0.0	0.0	++	++
1978	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	85.9	-1.2	-0.6	0.0	0.0	0.0
1979	70.3	++	++	0.0	+	+	75.2	++	0.0	0.0	0.0	0.0	73.1	++	++	0.0	+	+	74	++	0.0	0.0	0.0	0.0	73.7	0.0	0.0	0.0	0.0	0.0	80.9	-0.3	0.0	0.0	++	++
1980	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++	70	0.0	0.0	0.0	++	++
1981	75.6	++	++	0.0	0.0	0.0	71.3	+	+	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++	70	0.0	0.0	0.0	++	++
1982	72.9	++	-0.1	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++	91	-2.6	-2.4	-1.6	-1.0	++
1983	79.3	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.8	++	++	0.0	++	++	87.9	-1.4	-0.8	0.0	++	++
1984	74.5	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	72.9	0.0	0.0	0.0	++	++	78.3	0.0	0.0	0.0	0.0	0.0	78.2	++	++	0.0	++	++
1985	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70.7	0.0	0.0	0.0	+	+	79.8	++	++	0.0	++	++	87.1	-1.7	-1.7	0.0	++	++
1986	71.7	++	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.1	-0.5	0.0	0.0	++	++	80.4	++	++	0.0	0.0	0.0	86.1	-0.8	-0.8	0.0	++	++
1987	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	81.6	-0.4	++	0.0	++	++
1988	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.2	0.0	0.0	0.0	0.0	0.0	75.9	-0.8	++	0.0	0.0	0.0
1989	83.4	-1.7	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1990	76.5	++	++	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	87.4	-1.8	-1.7	-0.1	++	++
1991	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	87.2	-1.5	-1.1	0.0	0.0	0.0
1992	70.6	++	-0.4	0.0	+	+	76.1	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	79.2	0.0	-0.8	0.0	++	++	85.2	-0.9	-0.1	0.0	++	++
1993	85	-4.3	++	0.0	0.0	0.0	86.4	-5.8	-1.2	0.0	0.0	0.0	82	-1.8	-0.2	0.0	0.0	0.0	78.8	++	++	0.0	++	++	80.7	-0.2	0.0	0.0	++	++	84	-1.4	0.0	0.0	0.0	0.0
1994	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	77	-0.9	++	0.0	0.0	0.0
1995	88.1	-7.0	-3.0	-1.5	0.0	0.0	71.2	+	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++
1996	86.5	-5.9	-1.5	0.0	0.0	++	71.3	+	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	75.8	0.0	0.0	0.0	++	++	84.9	-1.3	0.0	0.0	++	++
1997	80.3	++	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	+	+	70	0.0	0.0	0.0	++	++

LEGEND: "+" MINIMUM PONDING ELEVATION CHANGE FROM 70 TO 73, "++" HYDROLOGICAL RESTORATION IMPACT, "0.0" NO CHANGE

ENGINEERING SUMMARY
FLOOD CONTROL IMPACTS
JULY- DECEMBER
U.S ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN
DATE: FEB. 2000



WORK SAFELY

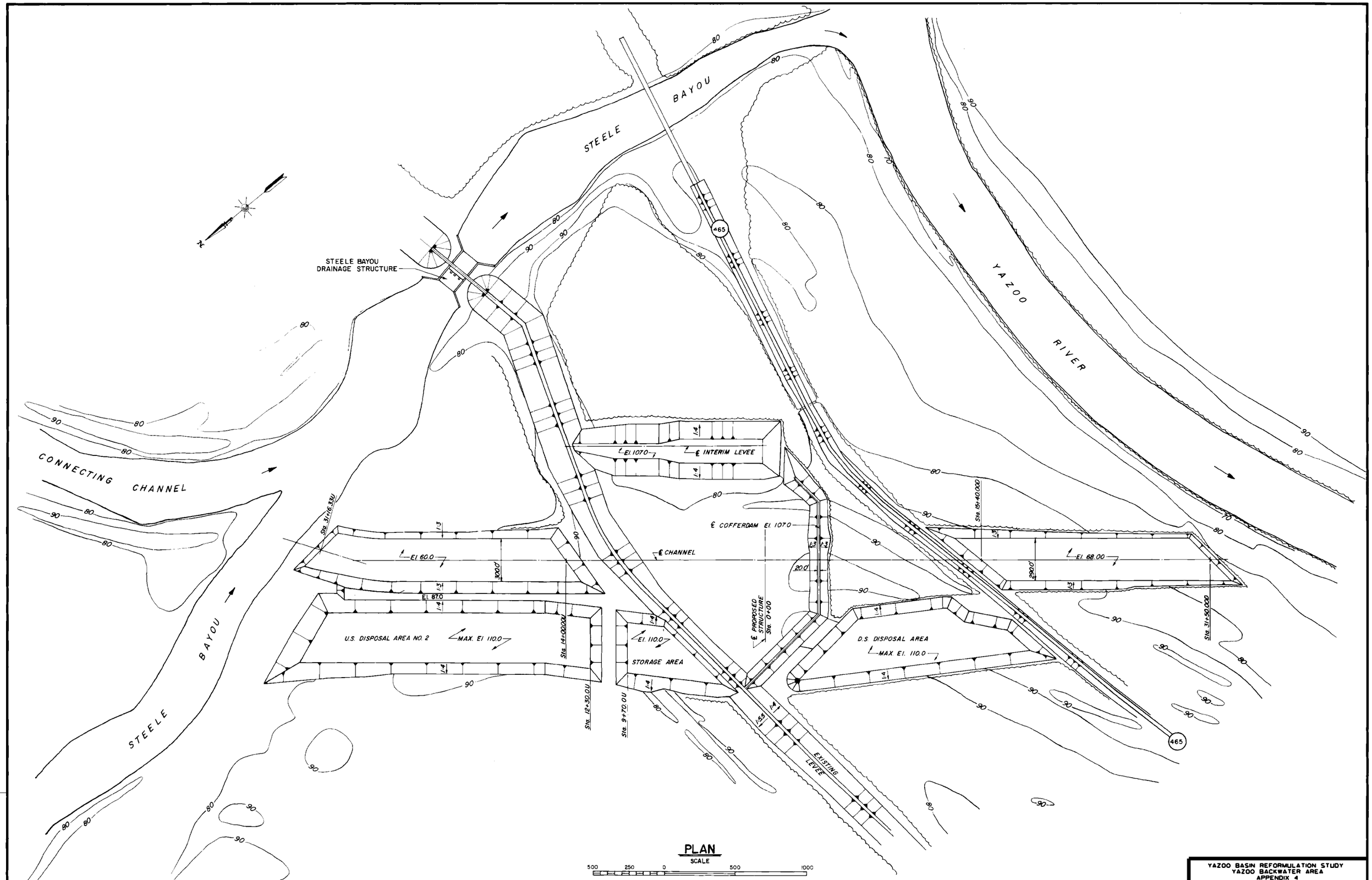
USER IDENT. NO: USR2/IBSTFO
DESIGN FILE: I:\ybreform\plate01.dgn
PLOT SCALE:

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

COMPLETED SITE PLAN

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

PRIOR EARTHWORK

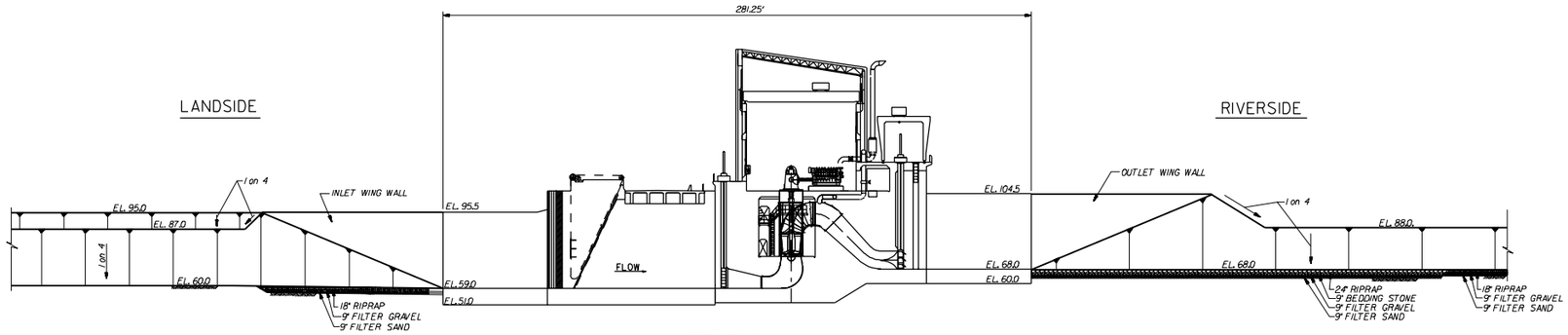
U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253

PLATE 4-47

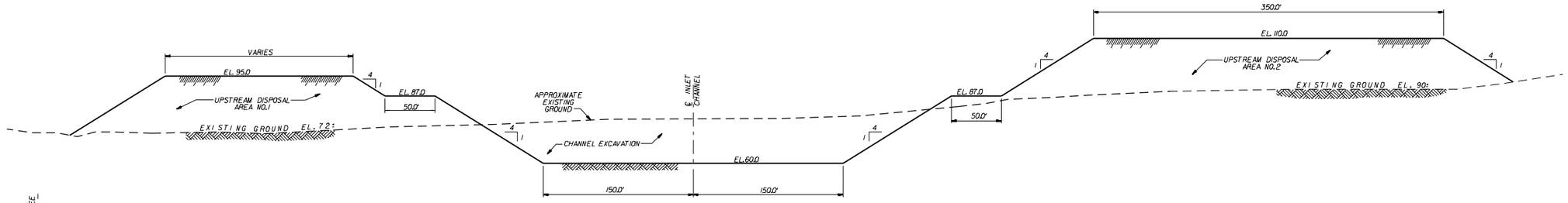
WORK SAFELY

USER IDENT. NO: USR2/DBSTFO
DESIGN FILE: I:\ybreform\plate02.dgn
PLOT SCALE:



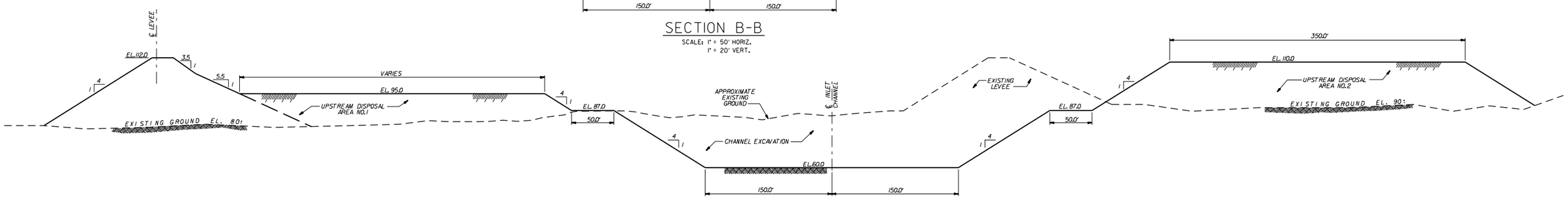
SECTION A-A

SCALE: 1" = 30'



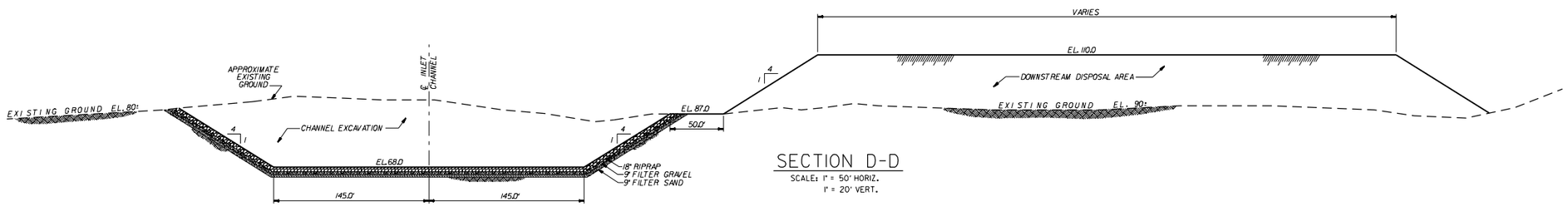
SECTION B-B

SCALE: 1" = 50' HORIZ.
1" = 20' VERT.



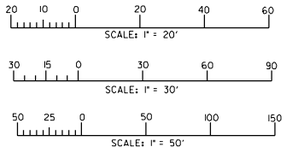
SECTION C-C

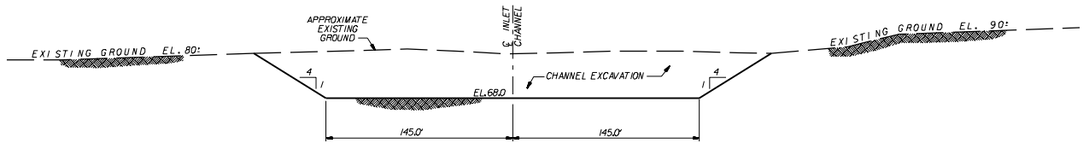
SCALE: 1" = 50' HORIZ.
1" = 20' VERT.



SECTION D-D

SCALE: 1" = 50' HORIZ.
1" = 20' VERT.





SECTION E-E

SCALE: 1" = 50' HORIZ.
1" = 20' VERT.

USER IDENT. NO. USR2/DBSTFD
DESIGN FILE: $:\ybreform\plate03.dgn
PLOT SCALE:

WORK SAFELY

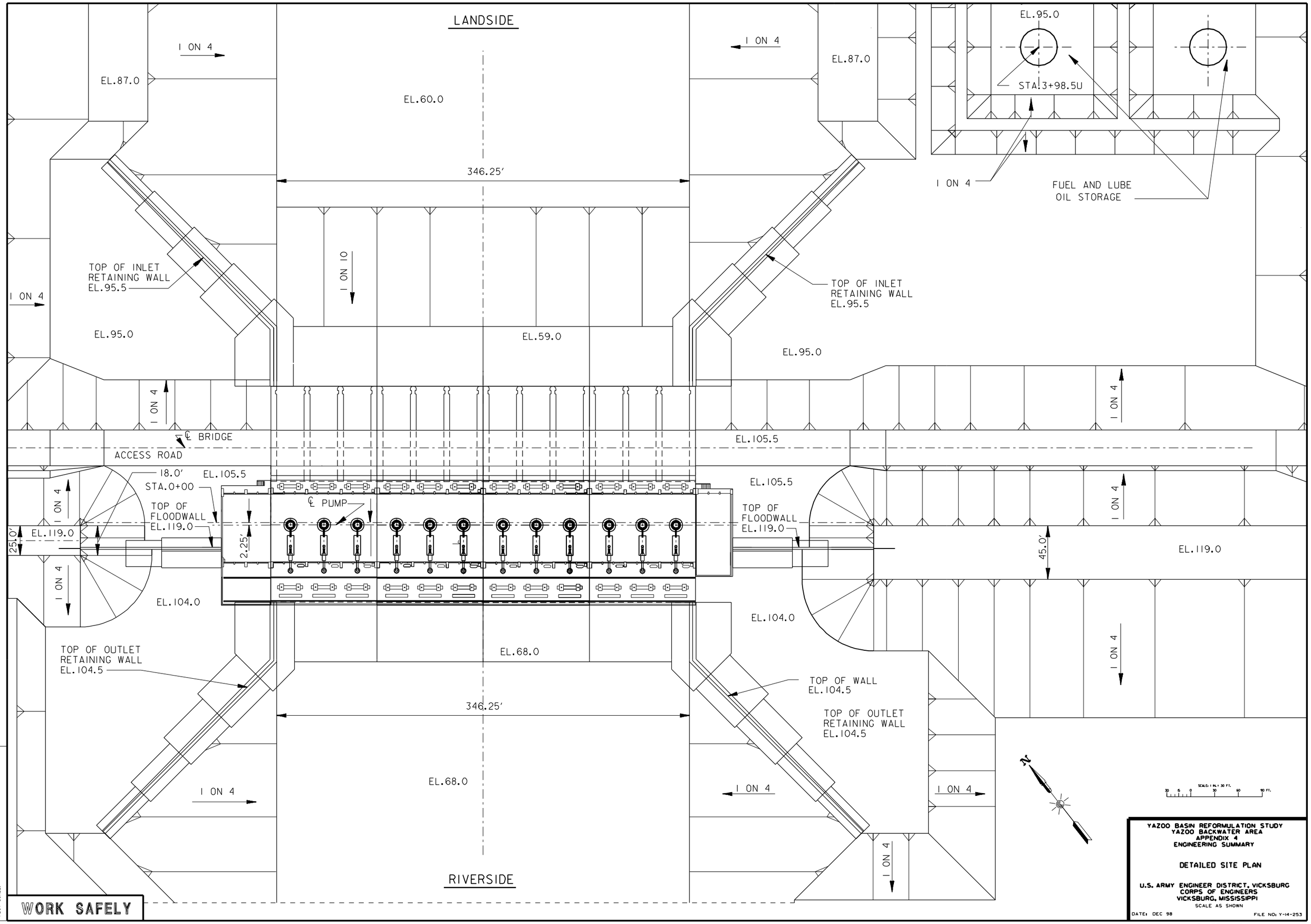
YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

SECTIONS

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI

SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

DETAILED SITE PLAN

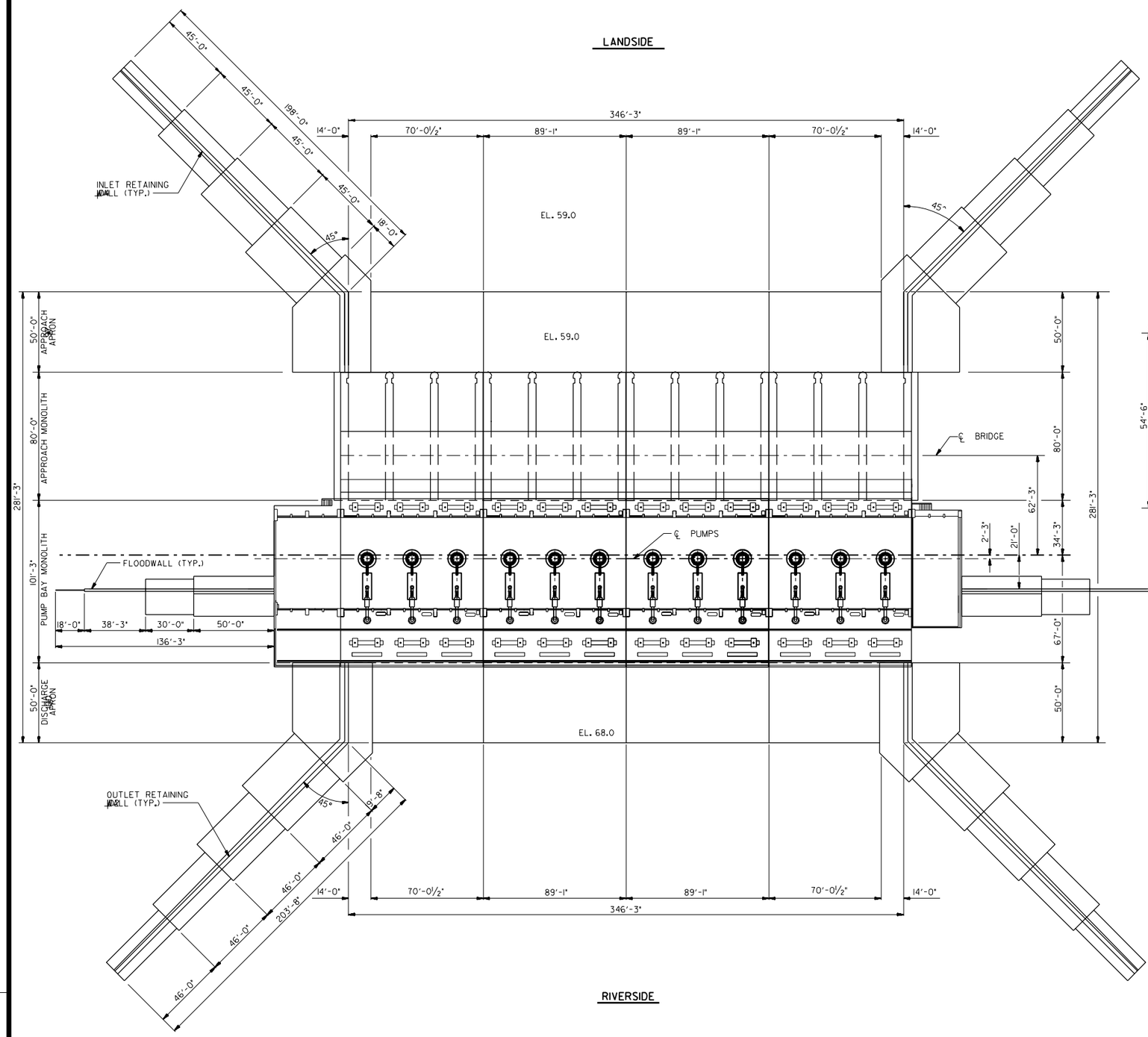
U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

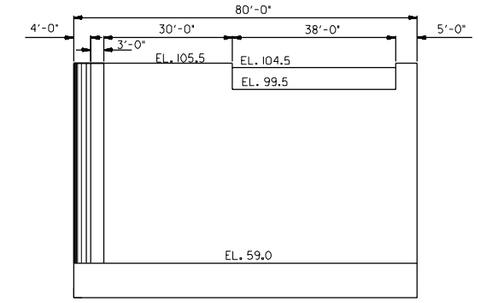
DATE: DEC 98 FILE NO: Y-14-253

WORK SAFELY

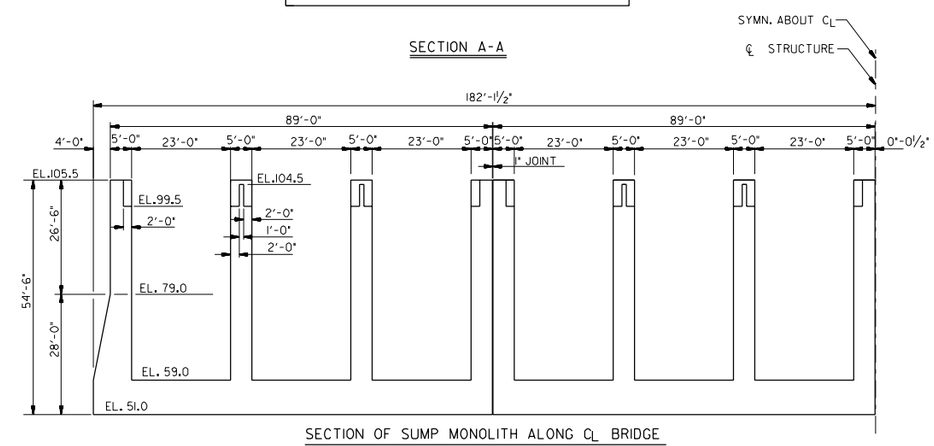
USER IDENT. NO: b4eddpel
DESIGN FILE: LMKEDD1:\dbmech\yazoo_backwater\lower_plan2.dgn
PLOT SCALE:

PLATE 4-49

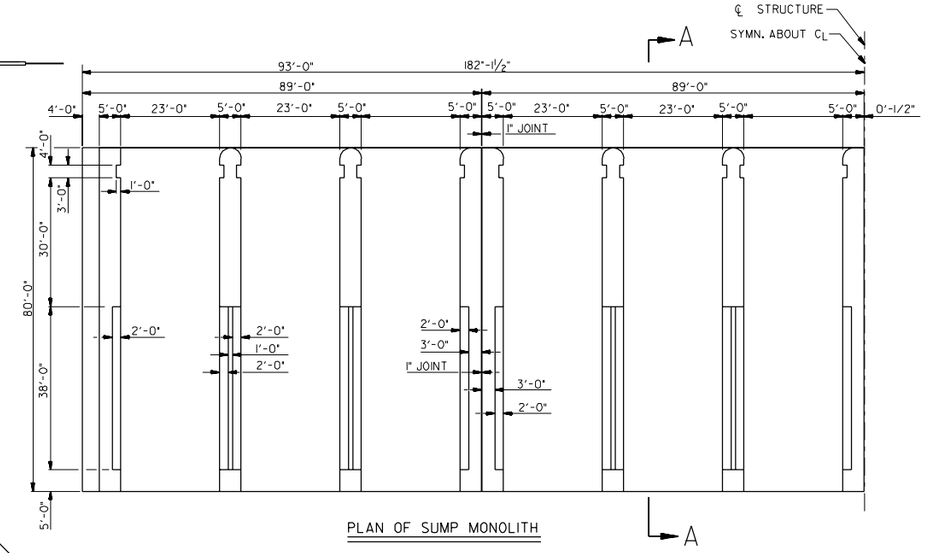




SECTION A-A



SECTION OF SUMP MONOLITH ALONG ℄ BRIDGE



PLAN OF SUMP MONOLITH

15 10 5 0 15 30 45

SCALE: 1 IN. = 15 FT.

30 15 0 30 60 90

SCALE: 1 IN. = 30 FT.

WORK SAFELY

USER IDENT. NO: USR2/DBSTFD
DESIGN FILE: \ yazreform\plate05.dgn
PLOT SCALE:

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

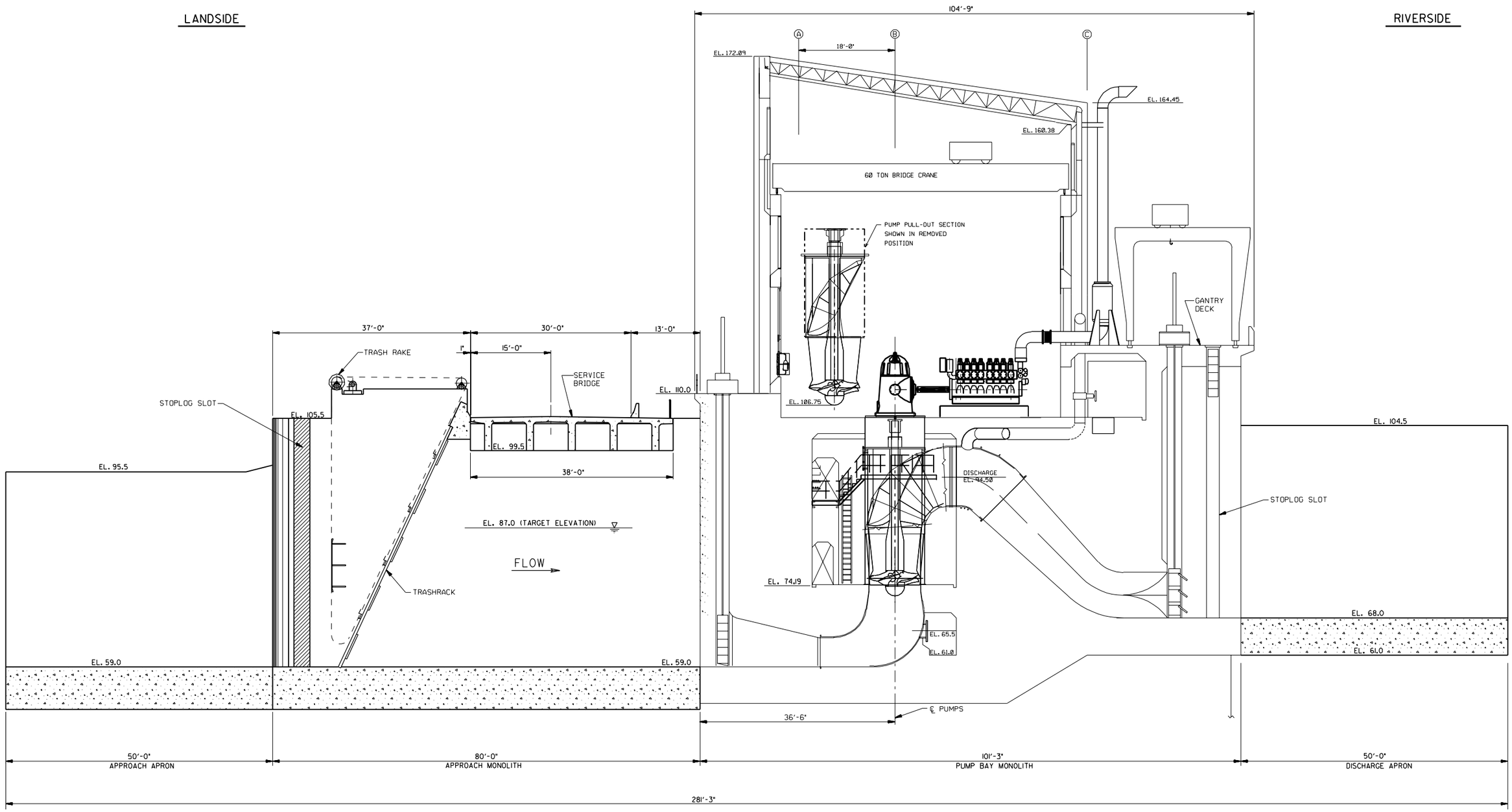
PUMPING PLANT DETAILS

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI

SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253

PLATE 4-50



USER IDENT. NO: USR2/DBSTFO
DESIGN FILE: I:\ybreform\plate06.dgn
PLOT SCALE:

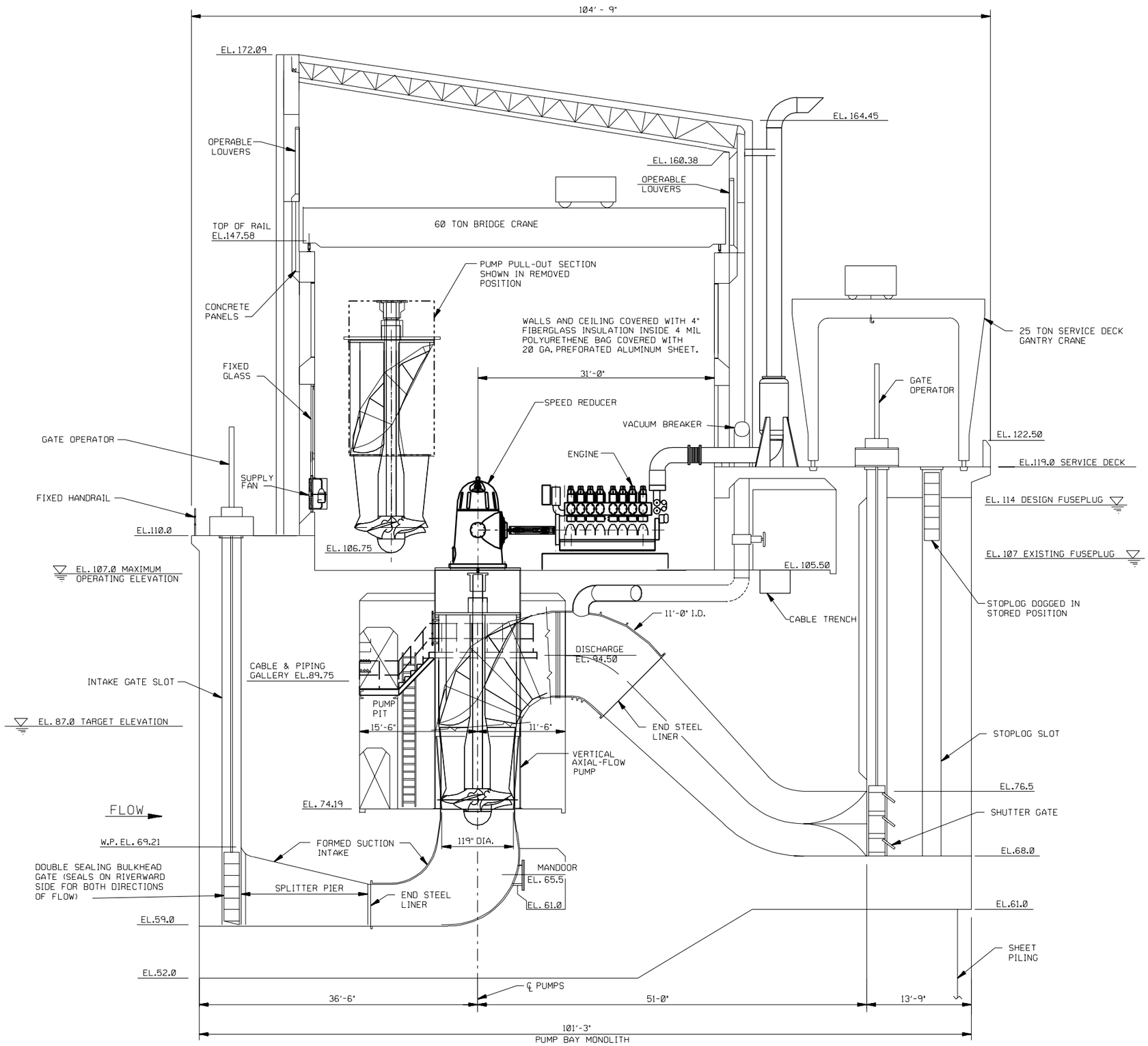
WORK SAFELY

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

COMPOSITE
TRANSVERSE SECTION

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



USER IDENT. NO: USR2/DBSTFD
DESIGN FILE: I:\ybreform\plate07.dgn
PLOT SCALE:

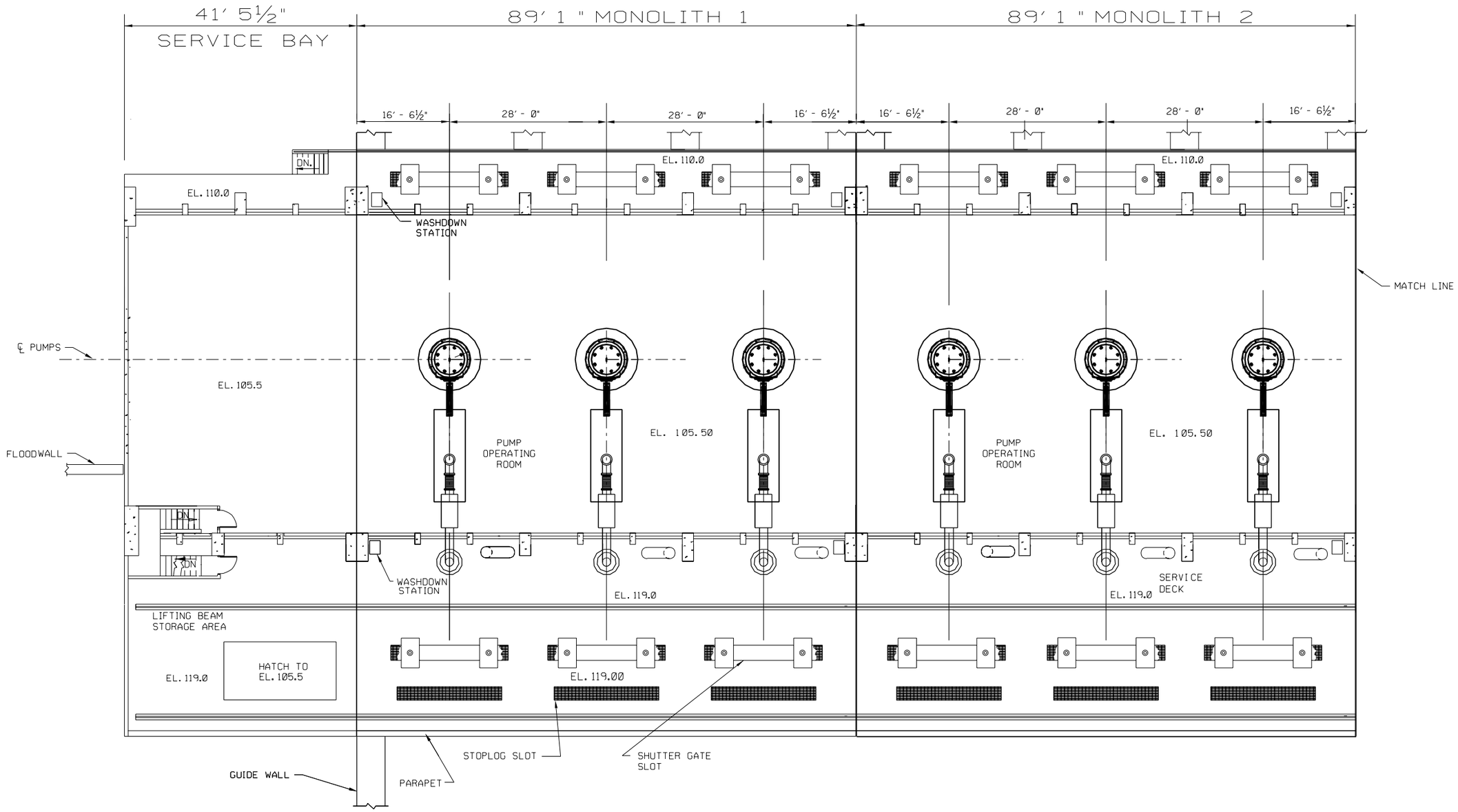
WORK SAFELY

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

ARRANGEMENT
TRANSVERSE SECTION

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



SCALE: ⅛" = 1′

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

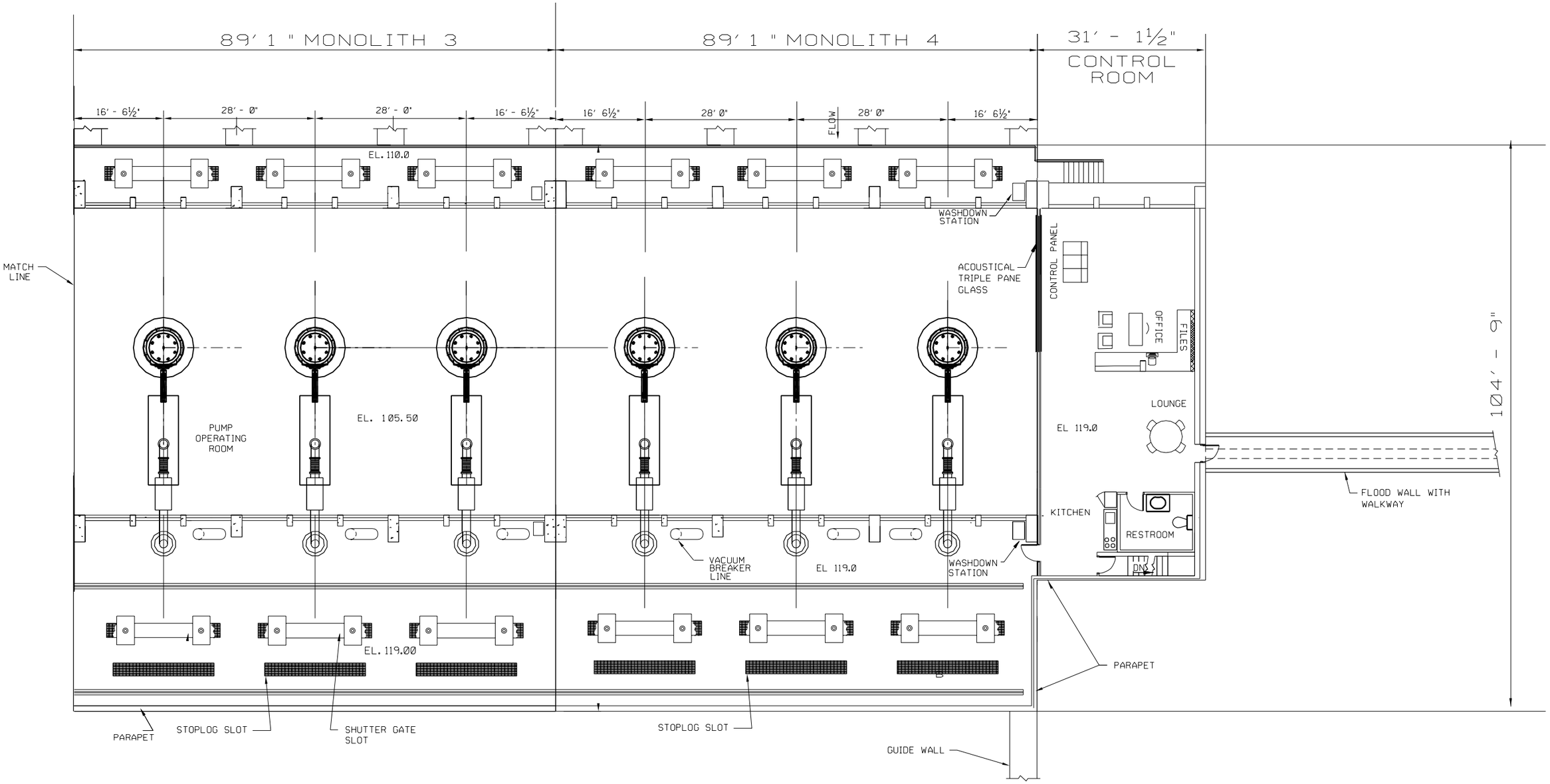
ARRANGEMENT
UPPER PLAN SHEET 1

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253

USER IDENT. NO: USR2/DBSTFD
DESIGN FILE: $:\pbraform\plate08.dgn
PLOT SCALE:

WORK SAFELY



SCALE: ⅛" = 1'

USER IDENT. USR2/DBSTFO
DESIGN FILE: I:\yprefor\plate09.dgn
PLOT SCALE:

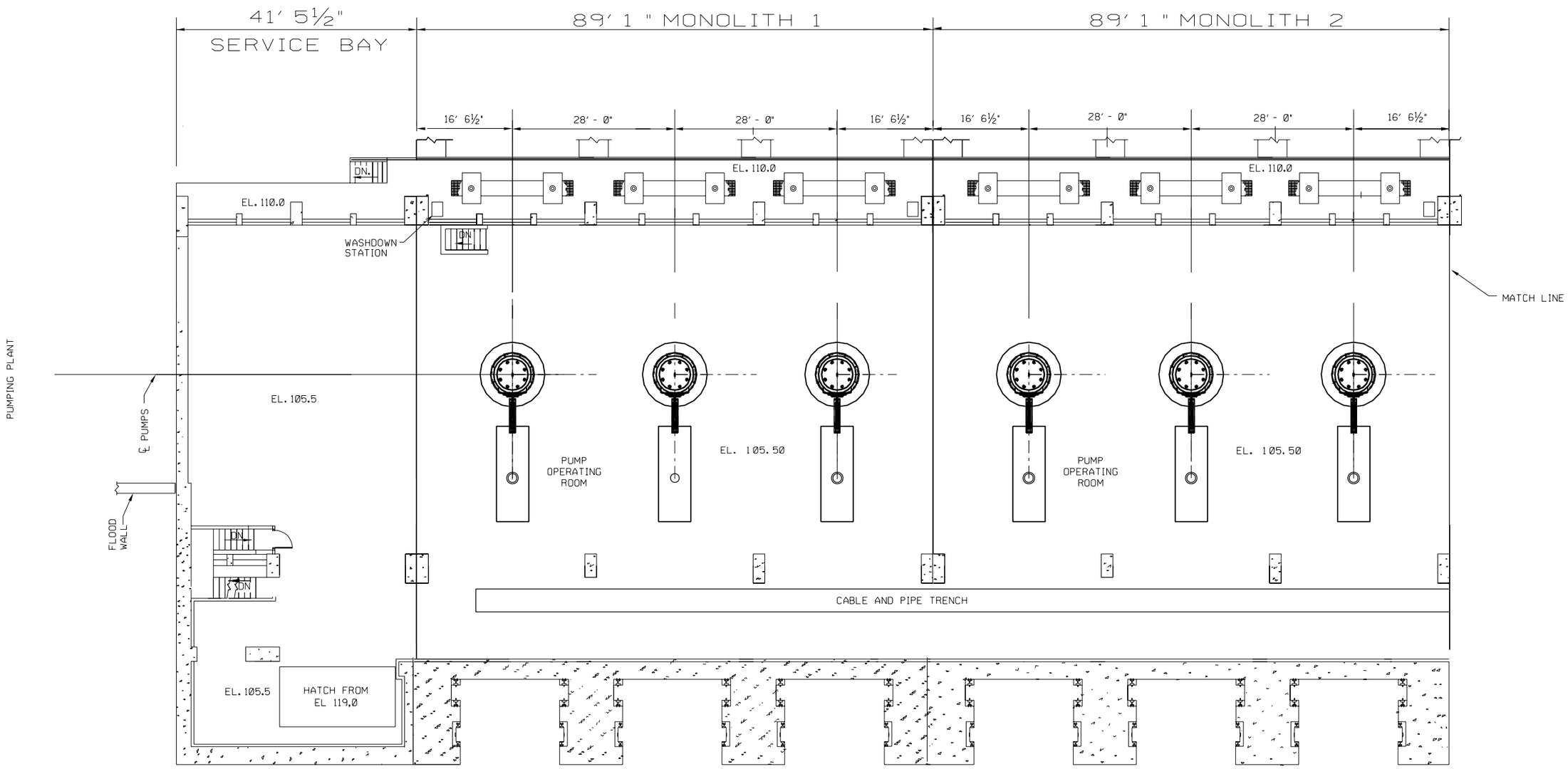
WORK SAFELY

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

ARRANGEMENT
UPPER PLAN SHEET 2

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



SCALE: ⅛" = 1'

WORK SAFELY

USER IDENT: USR2/DBSTFO
DESIGN FILE: s:\ypr\form\plate60.dgn
PLOT SCALE:

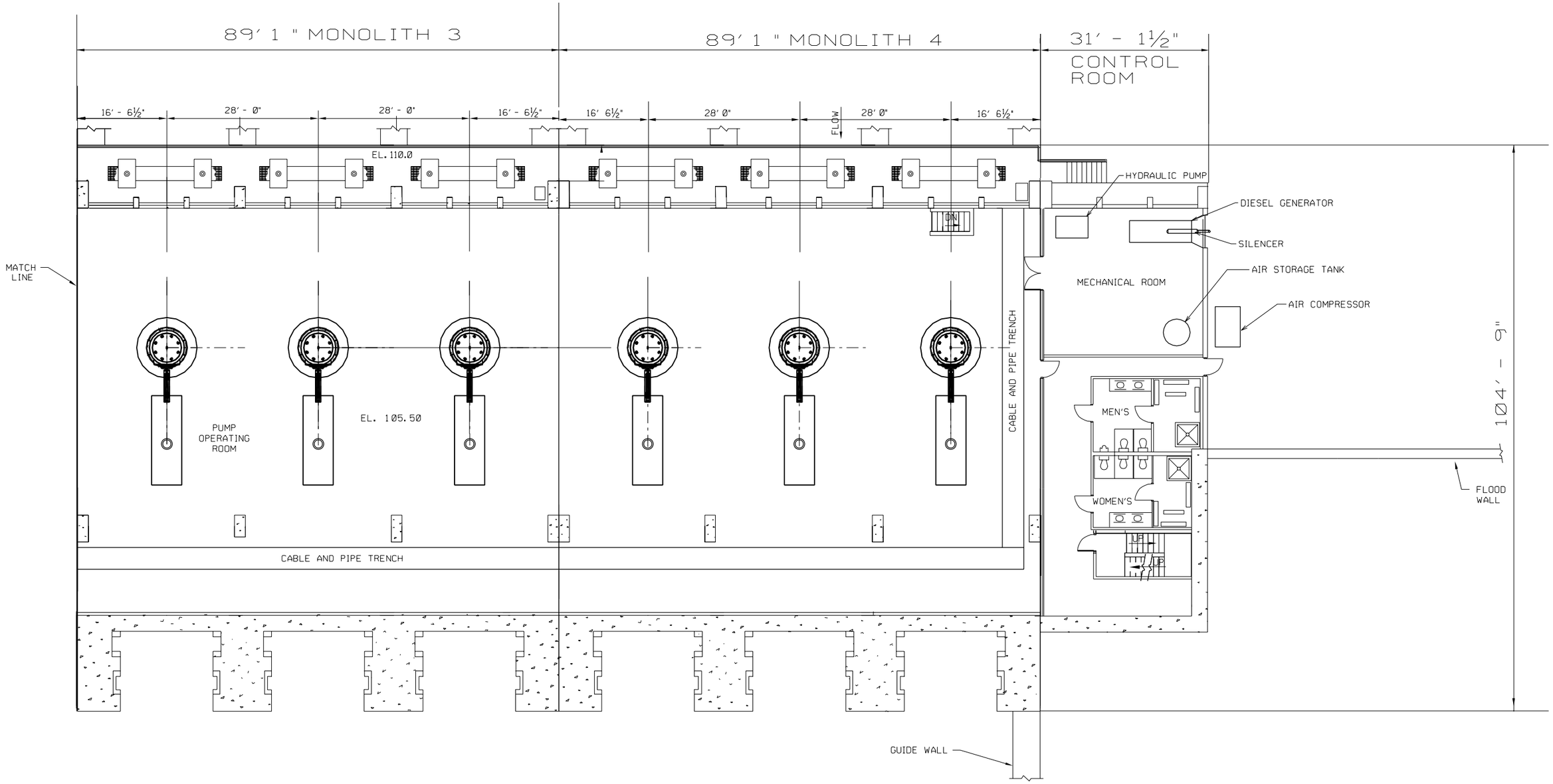
YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

ARRANGEMENT
LOWER PLAN SHEET 1

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI

SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



SCALE: ⅛" = 1'

WORK SAFELY

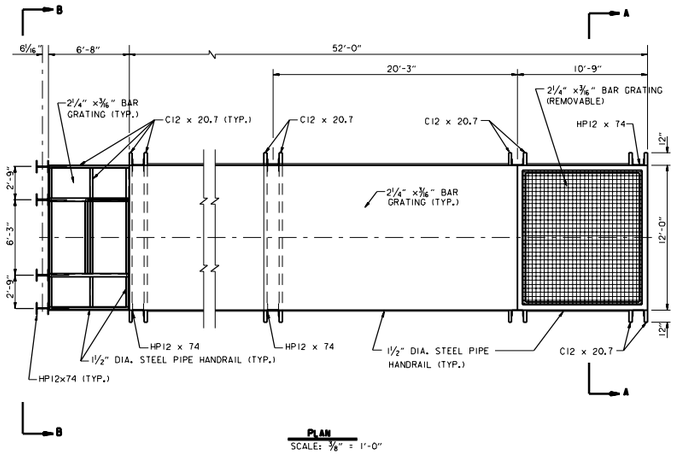
USER IDENT: USR2/DBSTFO
DESIGN FILE: h:\ybreform\plate4.dgn
PLOT SCALE:

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

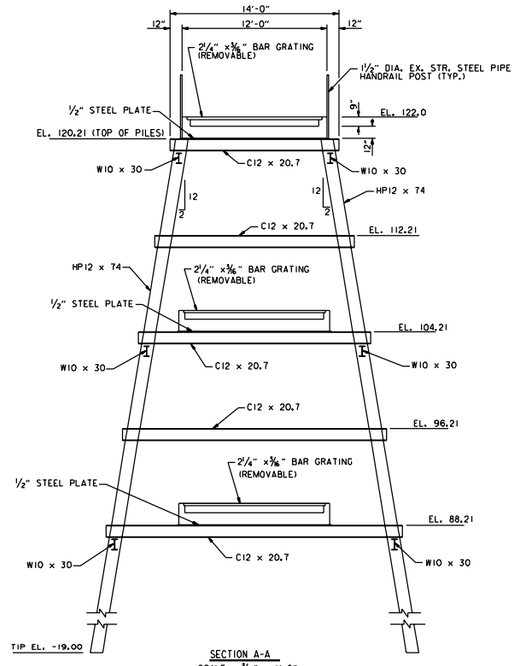
LOWER PLAN SHEET 2

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

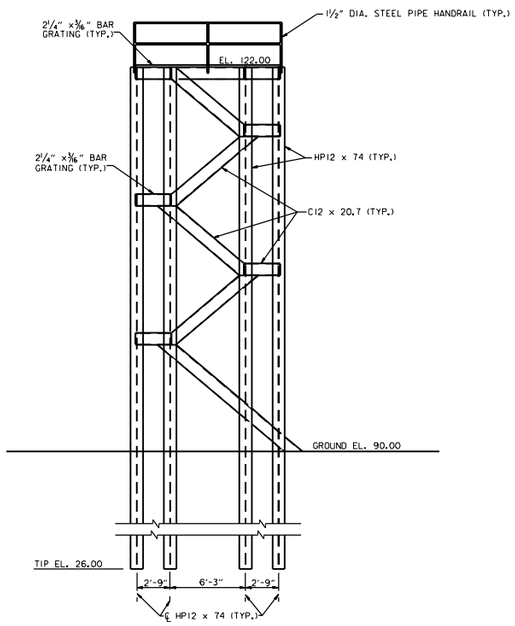
DATE: DECEMBER 1998 FILE NO: Y-14-253



PLAN
SCALE: 3/8" = 1'-0"



SECTION A-A
SCALE: 3/16" = 1'-0"



SECTION B-B
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE
4' 0 4' 8' 12'
3/16" = 1'-0"

MICROSTATION VER. 5 (FROM AUTOCAD REL 10)

USER IDENT. USR2/OBSTFO
DESIGN FILE: l:ybreform\plate12.dgn
PLOT SCALE:

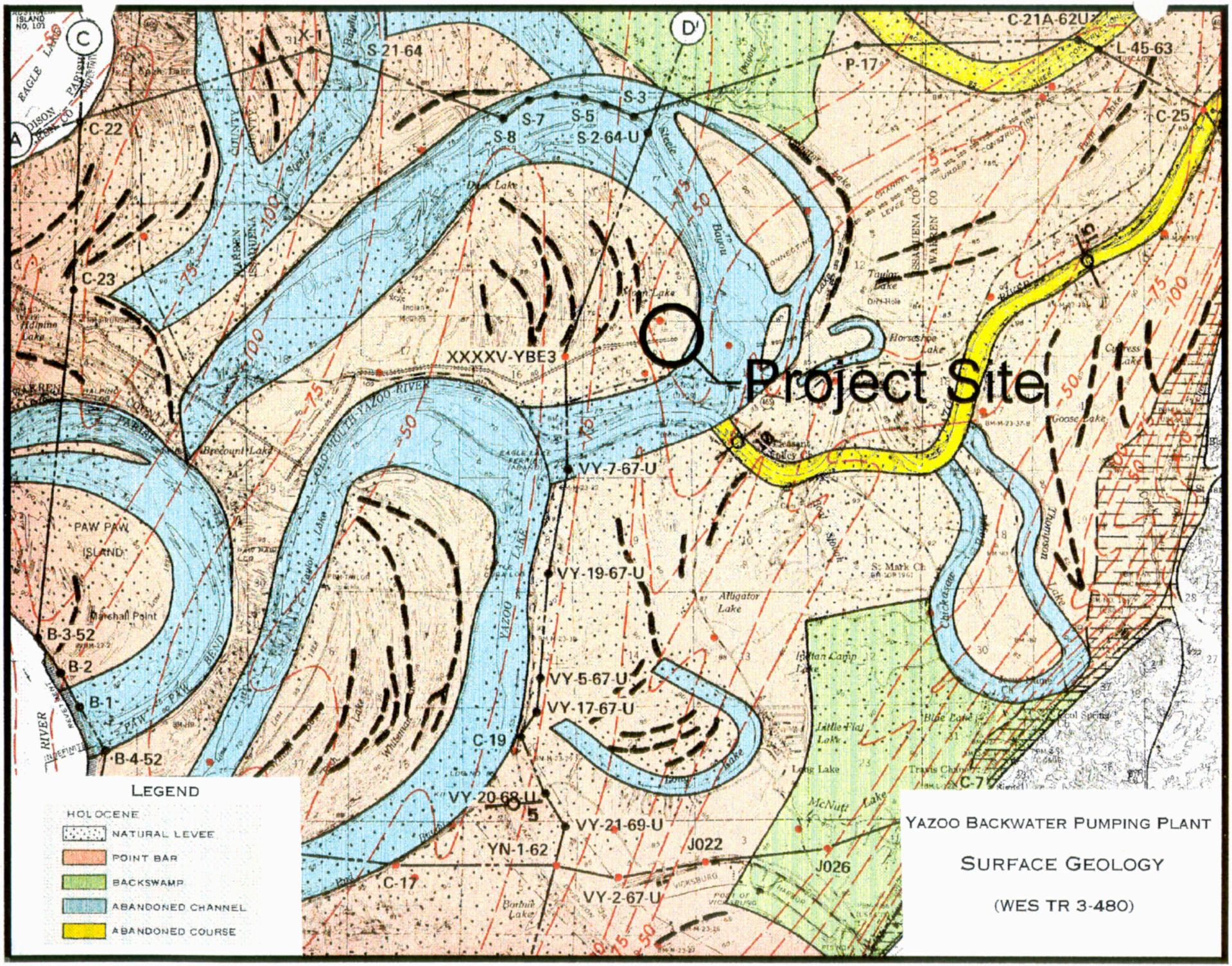
WORK SAFELY

YAZOO BASIN REFORMULATION STUDY
YAZOO BACKWATER AREA
APPENDIX 4
ENGINEERING SUMMARY

LOADING DOCK

U.S. ARMY ENGINEER DISTRICT, VICKSBURG
CORPS OF ENGINEERS
VICKSBURG, MISSISSIPPI
SCALE AS SHOWN

DATE: DECEMBER 1998 FILE NO: Y-14-253



LEGEND

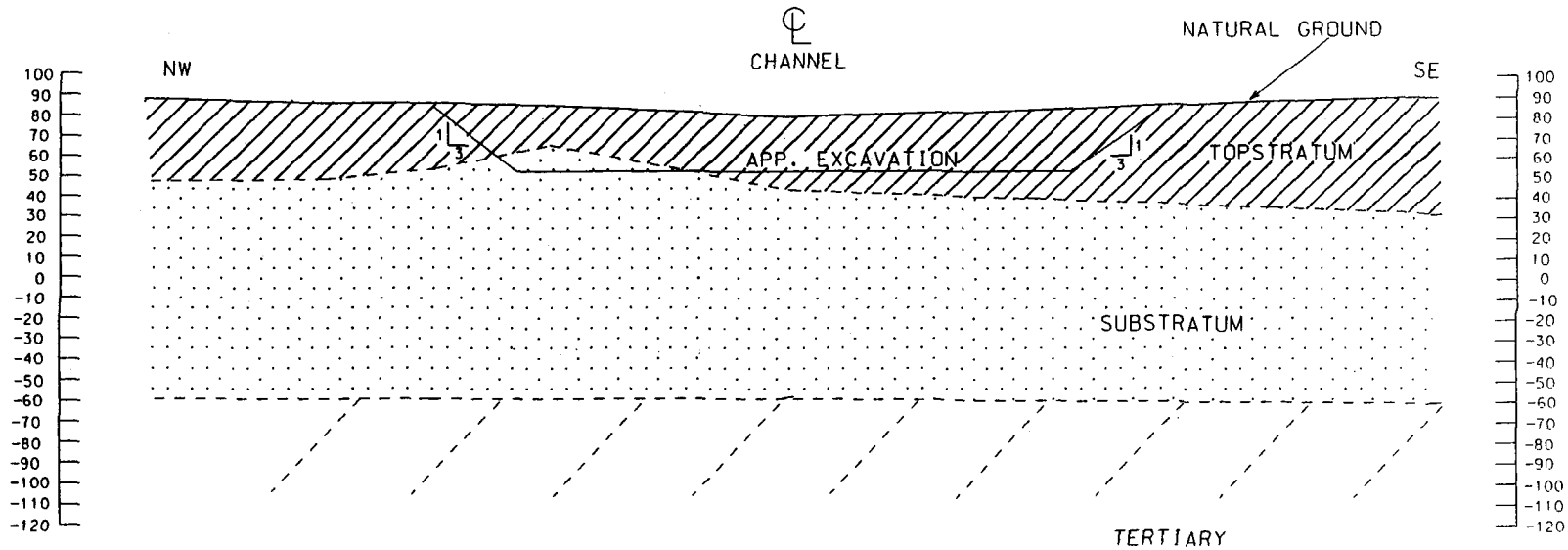
HOLOCENE

- NATURAL LEVEE
- POINT BAR
- BACKSWAMP
- ABANDONED CHANNEL
- ABANDONED COURSE

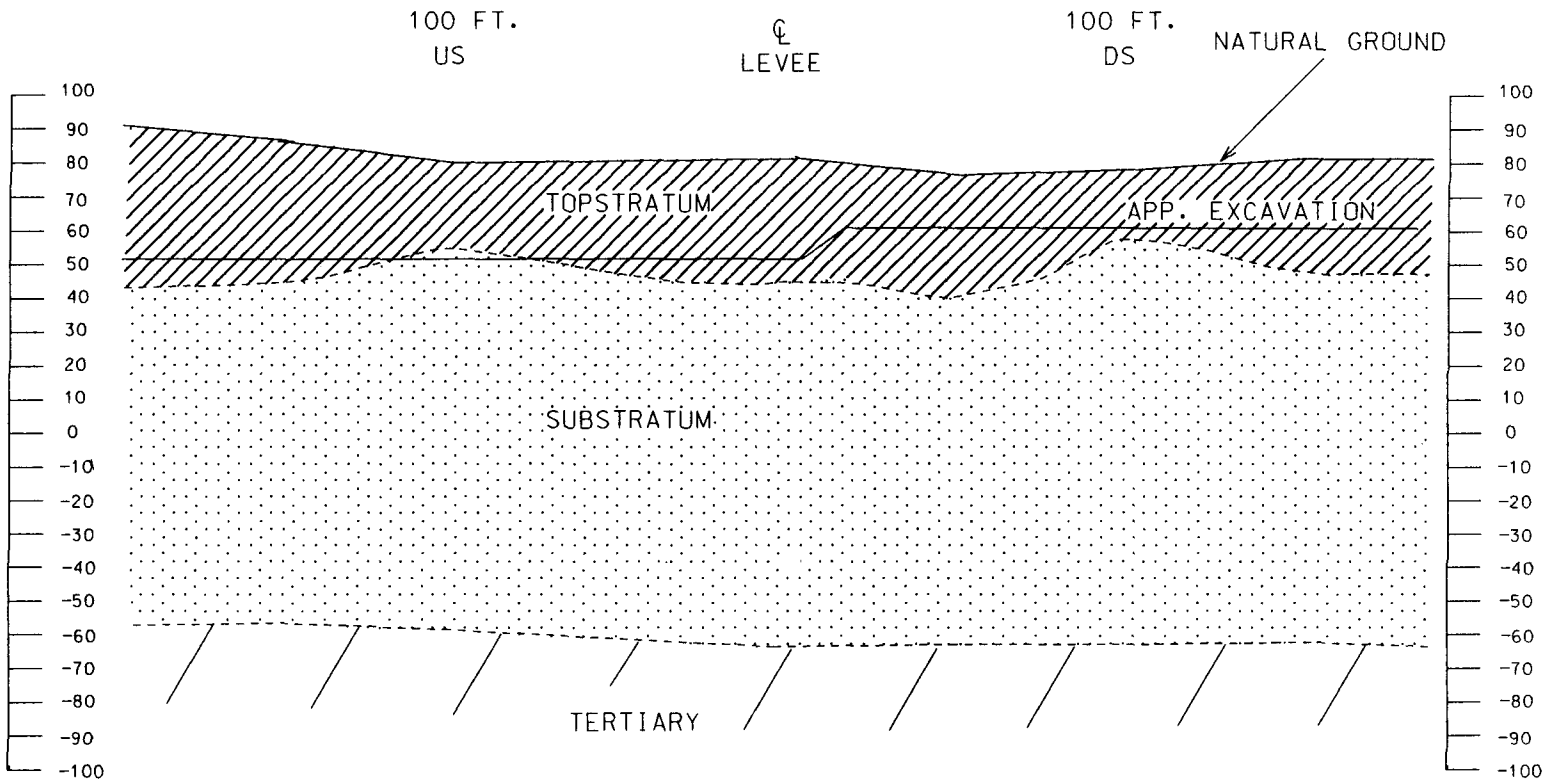
YAZOO BACKWATER PUMPING PLANT

SURFACE GEOLOGY

(WES TR 3-480)



GEOLOGIC SECTION ℄ PUMPING PLANT



GEOLOGIC SECTION ℄ CHANNEL