

APPENDIX 4
GLOSSARY OF TERMS AND REPORT PLATES

YAZOO BACKWATER AREA REFORMULATION

APPENDIX 4 GLOSSARY OF TERMS AND REPORT PLATES

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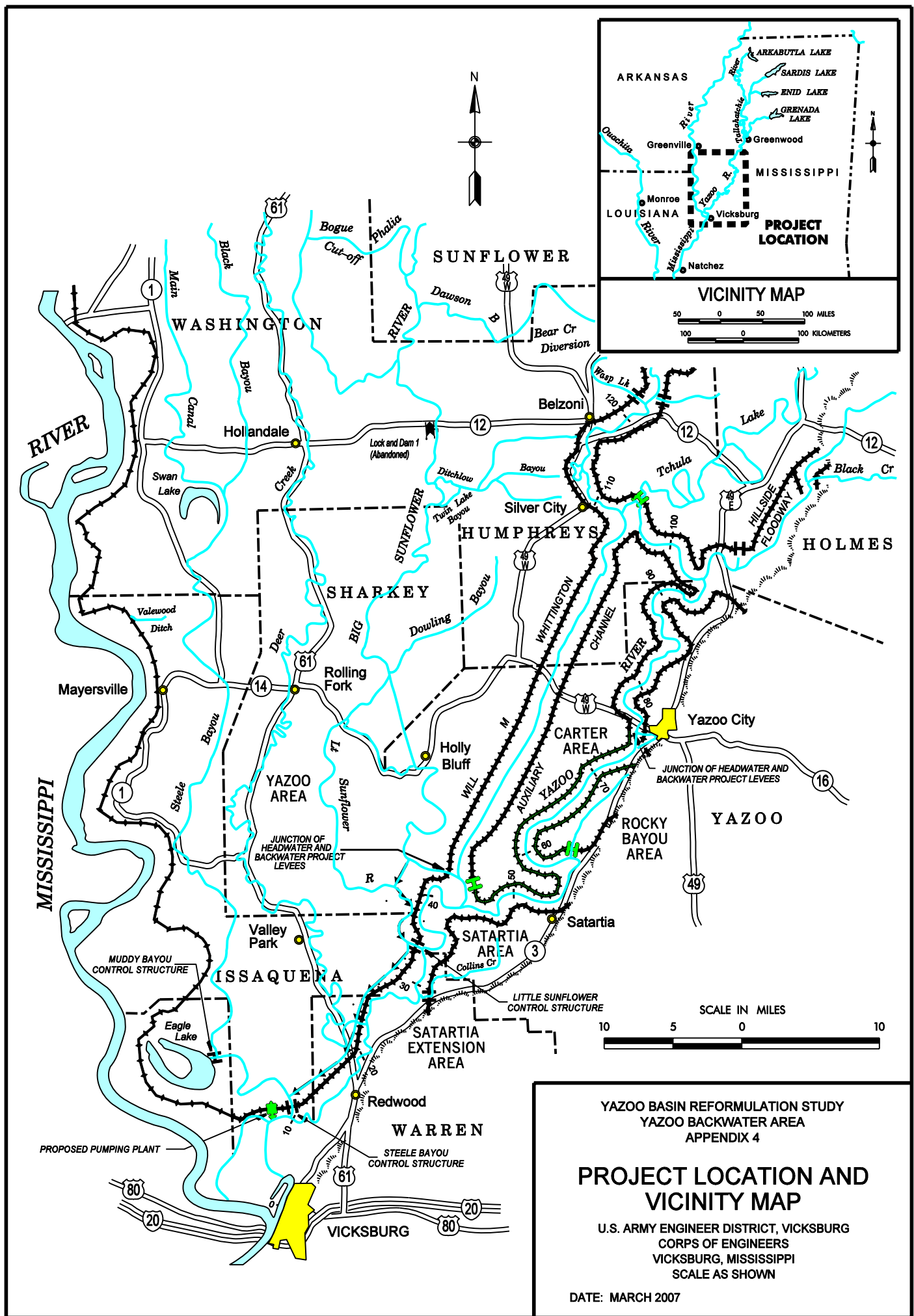
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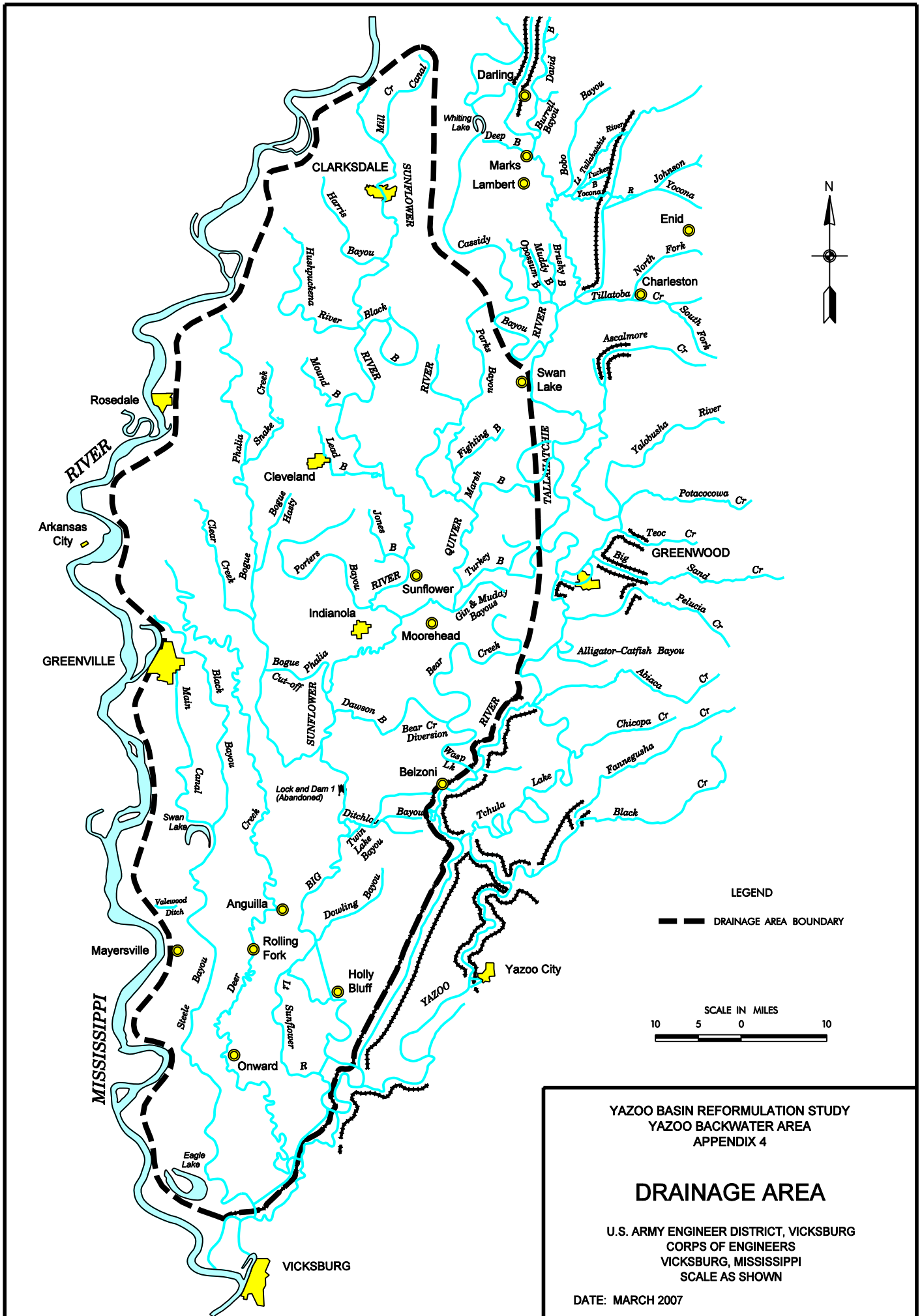
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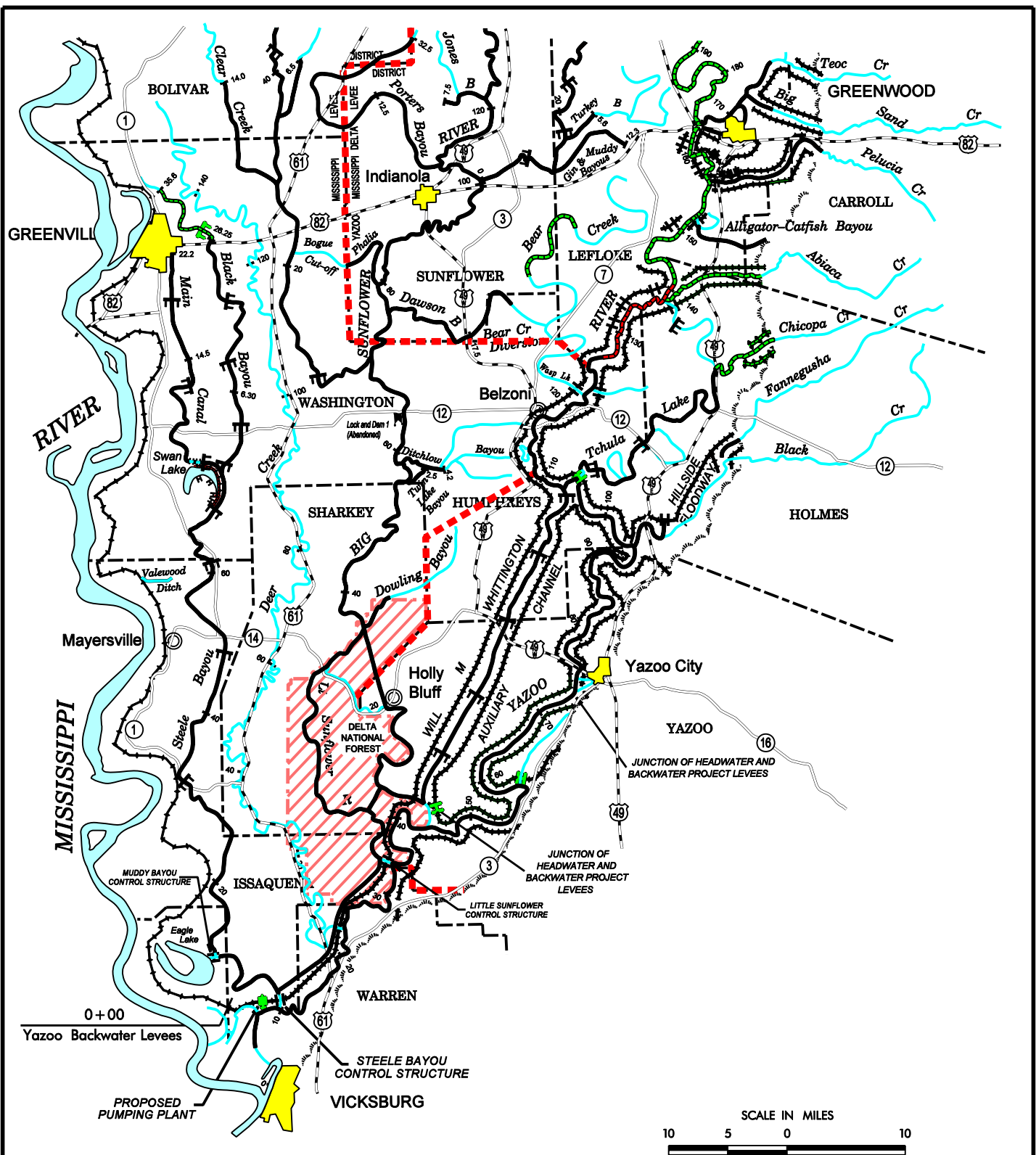
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YAZOO BASIN REFORMULATION STUDY YAZOO BACKWATER AREA APPENDIX 4

PROJECT FEATURES

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

DATE: MARCH 2007

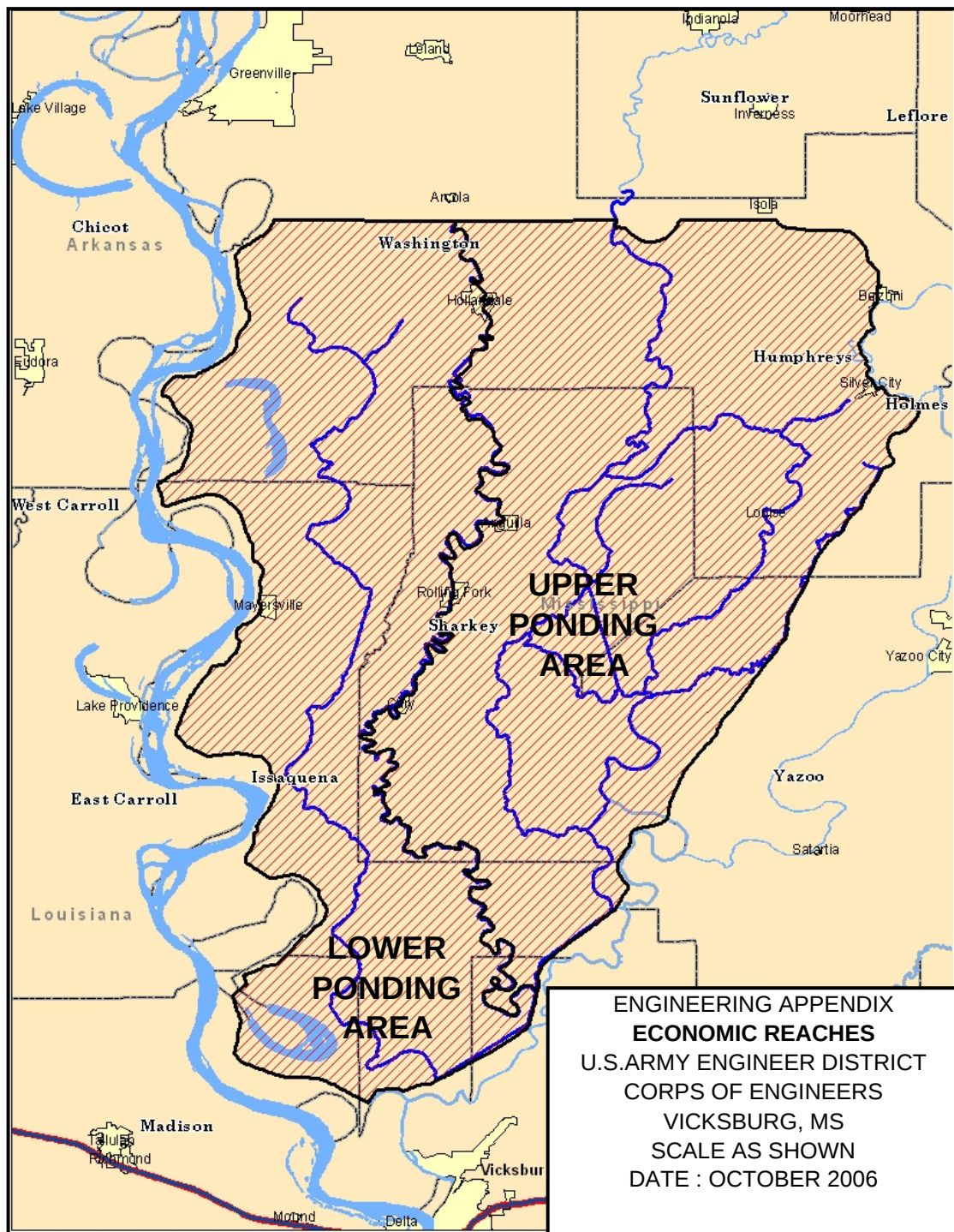
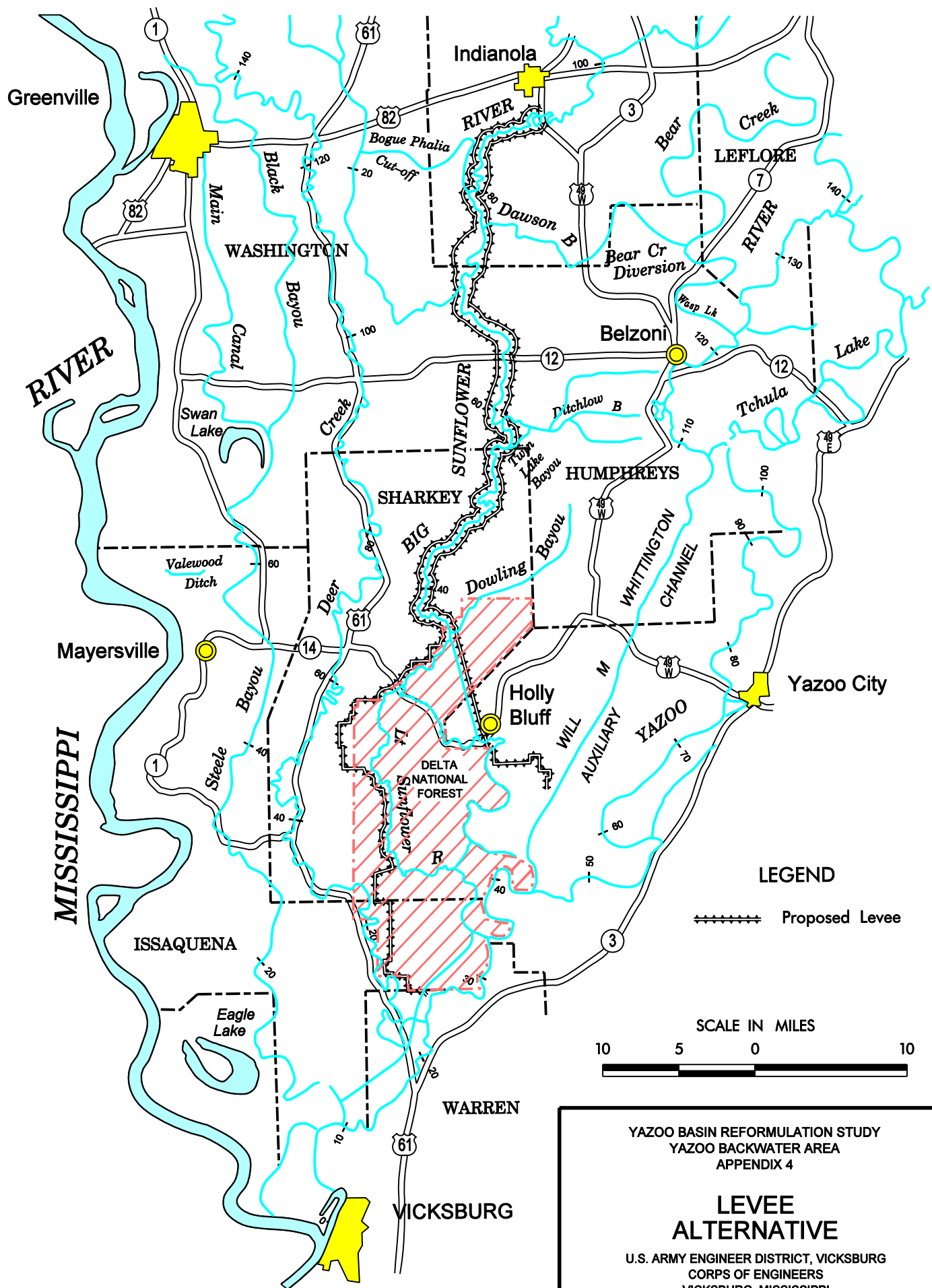


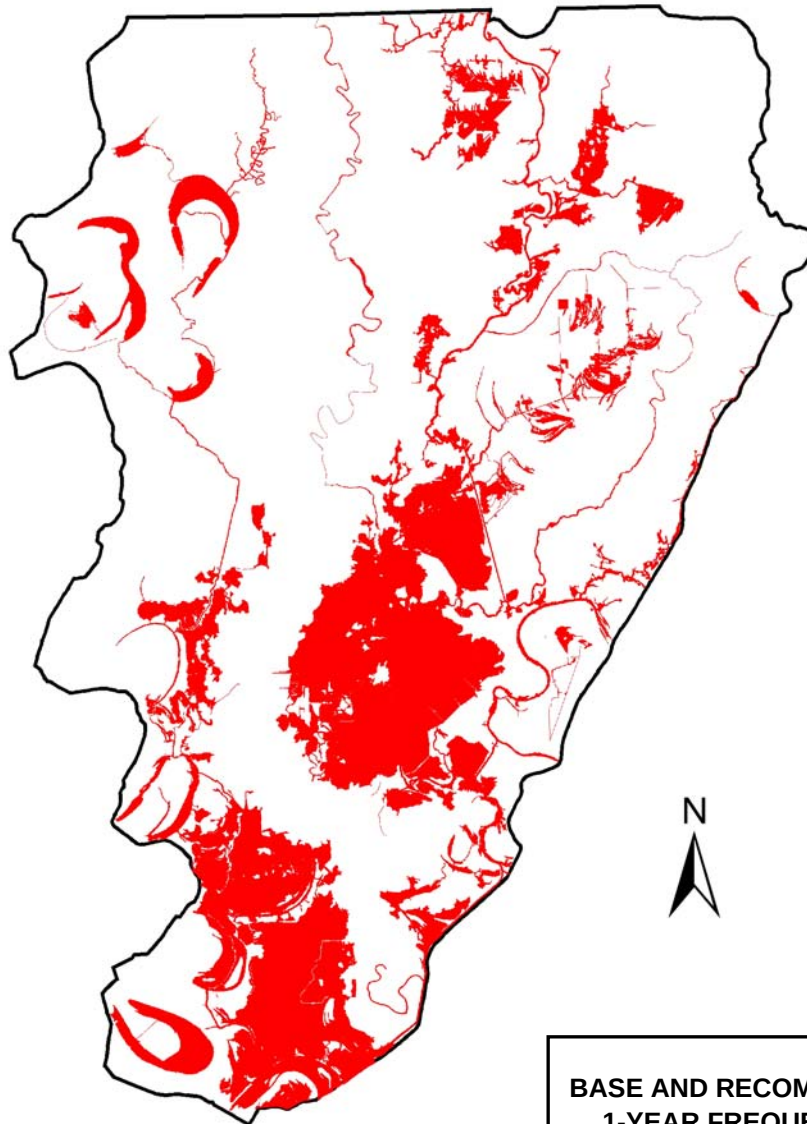
PLATE 4-4



THIRD ARRAY OF ALTERNATIVES

	Construction Cost												Average Annual Benefit	
Plan	Easements				Reforestation	Reforestation	Environmental Impacts	Mitigation Cost	Structural Modifications	Pump	Total	Average Annual Cost		
	Conservation Woodlands	Reforestation Open Lands <u>a/</u>	Flow/Water Management	Total (\$ Million)	Acres	(\$ Million)	(HU)	(\$ Million)	(\$ Million)	(\$ Million)	(\$ Million)	\$000	\$000	\$000
1	Preserve Below 100.3	Use Retained	N/A	261.4	0	0	0	0.0	0.0	0	261	19,238	0	-19,238
2	Preserve Below 100.3	Reforest Below 90.0	N/A	307.8	101,800	14.3	80,070	0.0	0.0	0	330	24,265	-4,452	-28,717
NONSTRUCTURAL PLANS														
3	Preserve Below 85.0	Use Retained Below 85.0	N/A	42.1	0	0.0	-49,151	31.3	0.0	120	193	16,365	16,242	-123
4	Preserve Below 85.0	Use Retained Below 85.0	Below 80.0 <u>b/</u>	63.5	0	0.0	-41,104	26.2	0.35	120	210	17,548	16,242	-1,306
5	Preserve Below 85.0	Use Retained Below 85.0	Below 85.0 <u>c/</u>	81.7	0	0.0	-41,200	26.2	0.35	120	228	18,890	16,242	-2,648
6	Preserve Below 85.0	Reforest Below 85.0	N/A	56.0	53,000	7.4	10,608	0.0	0.0	120	187	15,574	16,900	1,326
7	Preserve Below 85.0	Reforest Below 85.0	Below 80.0 <u>b/</u>	70.2	53,000	7.4	21,533	0.0	0.35	120	202	16,654	16,900	246
8	Preserve Below 85.0	Reforest Below 85.0	Below 85.0 <u>c/</u>	81.7	53,000	7.4	21,390	0.0	0.35	120	213	17,503	16,900	-603
9	Preserve Below 90.0	Use Retained Below 90.0	N/A	85.2	0	0.0	-30,927	19.1	0.0	120	224	18,522	13,387	-5,135
10	Preserve Below 90.0	Use Retained Below 90.0	Below 80.0 <u>b/</u>	102.0	0	0.0	-9,232	5.8	0.35	120	228	18,675	13,387	-5,288
11	Preserve Below 90.0	Use Retained Below 90.0	Below 85.0 <u>c/</u>	117.0	0	0.0	-9,223	5.8	0.35	120	243	19,783	13,387	-6,396
12	Preserve Below 90.0	Reforest Below 90.0	N/A	135.0	101,800	14.3	36,022	0.0	0.0	120	276	22,155	13,883	-8,272
13	Preserve Below 90.0	Reforest Below 90.0	Below 80.0 <u>b/</u>	139.0	101,800	14.3	66,607	0.0	0.35	120	280	22,466	13,883	-8,583
14	Preserve Below 90.0	Reforest Below 90.0	Below 85.0 <u>c/</u>	141.0	101,800	14.3	66,616	0.0	0.35	120	282	22,615	13,883	-8,732
COMBINATION PLANS - 14,000 CFS PUMP <u>a/</u>														
15	Preserve Below 85.0	Use Retained Below 85.0	N/A	42.1	0	0.0	-53,614	34.2	0.0	143	219	18,562	18,052	-510
16	Preserve Below 85.0	Use Retained Below 85.0	Below 80.0 <u>b/</u>	63.5	0	0.0	-45,832	29.2	0.35	143	236	19,756	18,052	-1,704
17	Preserve Below 85.0	Use Retained Below 85.0	Below 85.0 <u>c/</u>	81.7	0	0.0	-45,828	29.2	0.35	143	254	21,097	18,052	-3,045
18	Preserve Below 85.0	Reforest Below 85.0	N/A	56.0	53000	7.4	3,932	0.0	0.0	143	210	17,532	18,159	627
19	Preserve Below 85.0	Reforest Below 85.0	Below 80.0 <u>b/</u>	70.2	53000	7.4	14,414	0.0	0.35	143	225	18,612	18,159	-453
20	Preserve Below 90.0	Reforest Below 85.0	Below 85.0 <u>c/</u>	81.7	53000	7.4	14,417	0.0	0.35	143	236	19,461	18,159	-1,302
21	Preserve Below 90.0	Use Retained Below 90.0	N/A	85.2	0	0.0	-35,692	22.8	0.0	143	251	20,783	14,794	-59,889
22	Preserve Below 90.0	Use Retained Below 90.0	Below 80.0 <u>b/</u>	102.0	0	0.0	-11,473	7.3	0.35	143	253	20,763	14,794	-5,969
23	Preserve Below 90.0	Use Retained Below 90.0	Below 85.0 <u>c/</u>	117.0	0	0.0	-11,469	7.2	0.35	143	268	21,885	14,794	-7,061
24	Preserve Below 90.0	Reforest Below 90.0	N/A	135.0	101800	14.3	29,534	0.0	0.0	143	299	24,113	14,917	-9,196
25	Preserve Below 90.0	Reforest Below 90.0	Below 80.0 <u>b/</u>	139.0	101800	14.3	63,519	0.0	0.35	143	303	24,424	14,917	-9,507
26	Preserve Below 90.0	Reforest Below 90.0	Below 85.0 <u>c/</u>	141.0	101800	14.3	63,523	0.0	0.35	143	305	24,573	14,917	-9,656
STRUCTURAL PLANS <u>a/</u>														
27 (14K P) <u>d/</u>	N/A	N/A	N/A	0.0	0	0.0	-63,743	40.5	0.0	120	161.0	13,990	17,539	3,549
28 (17.5K P) <u>d/</u>	N/A	N/A	N/A	0.0	0	0.0	-75,884	48.2	0.0	143	191.0	16,636	19,664	3,028
29 (LEVEE)	N/A	N/A	N/A	0.0	0	0.0	-30,081	19.1	0.0	215	234.0	19,552	15,102	-4,450
30 (14K P)	Preserve Below 100.3	N/A	N/A	73.3	0	0.0	-63,743	39.4	0.0	120	233.0	19,348	17,539	-1,809

a/ Pump would be operated to provide floos damage reduction for cleared lands above 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 85.0 feet, NGVD.
e/ Does not reflect cost of pump but of the levee.



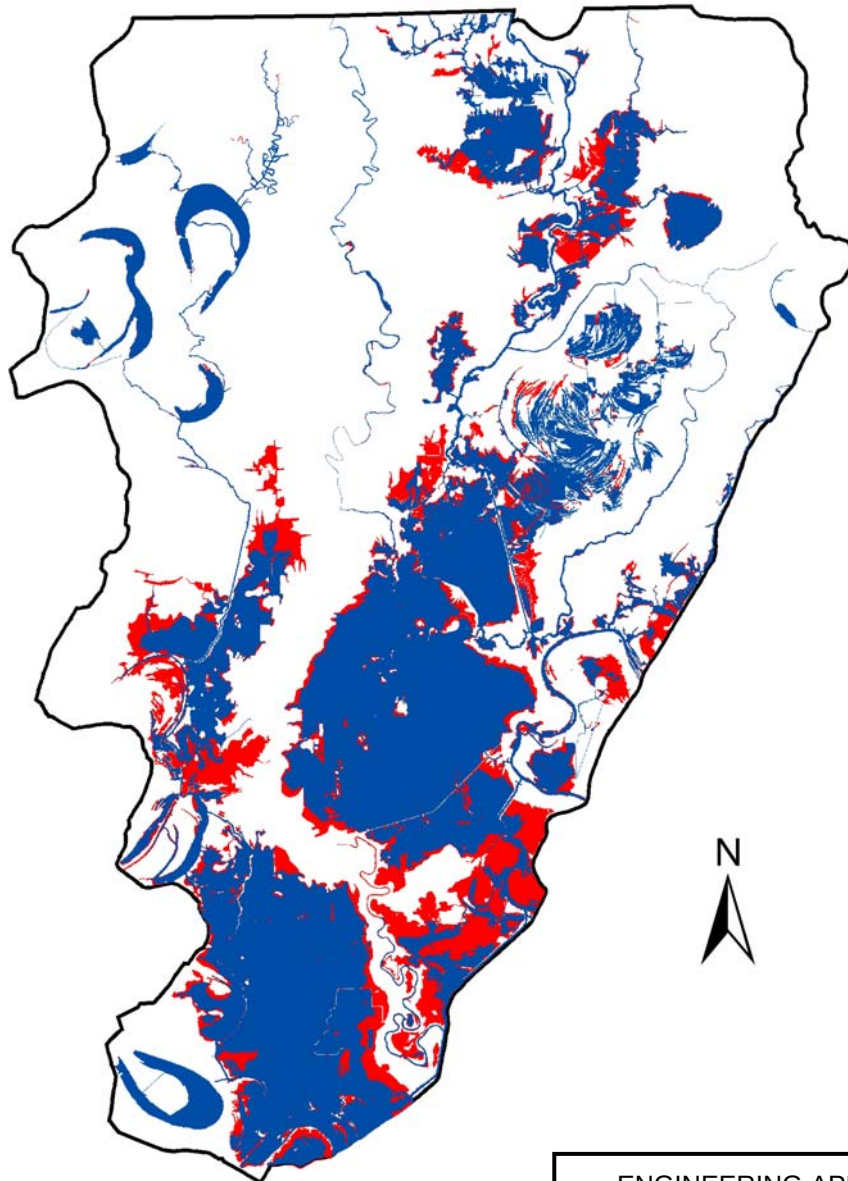
Legend



BASE & REC. PLAN 1-YEAR
(216,200 ACRES)

BASE AND RECOMMENDED PLAN
1-YEAR FREQUENCY FLOOD
ENGINEERING APPENDIX
YAZOO BACKWATER PROJECT
USAED Vicksburg, MS

Date: October 2006



Legend

- PLAN 5 2-YEAR (244,00 ACRES)
- BASE COND 2-YEAR (317,500 ACRES)

ENGINEERING APPENDIX
BASE & RECOMMENDED PLAN
2-YEAR FREQUENCY FLOOD
U.S.ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MS
SCALE AS SHOWN
DATE : OCTOBER 2006

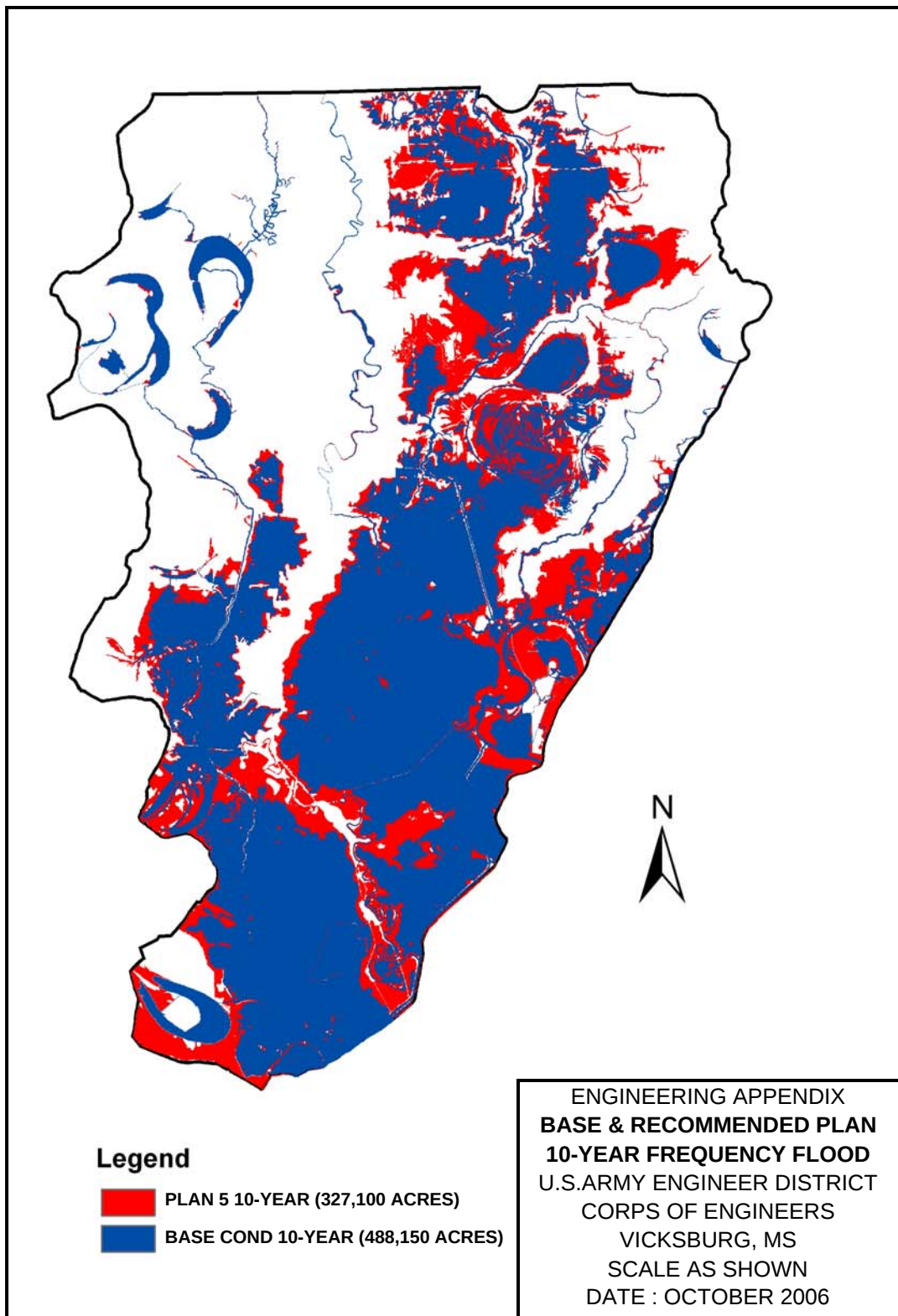
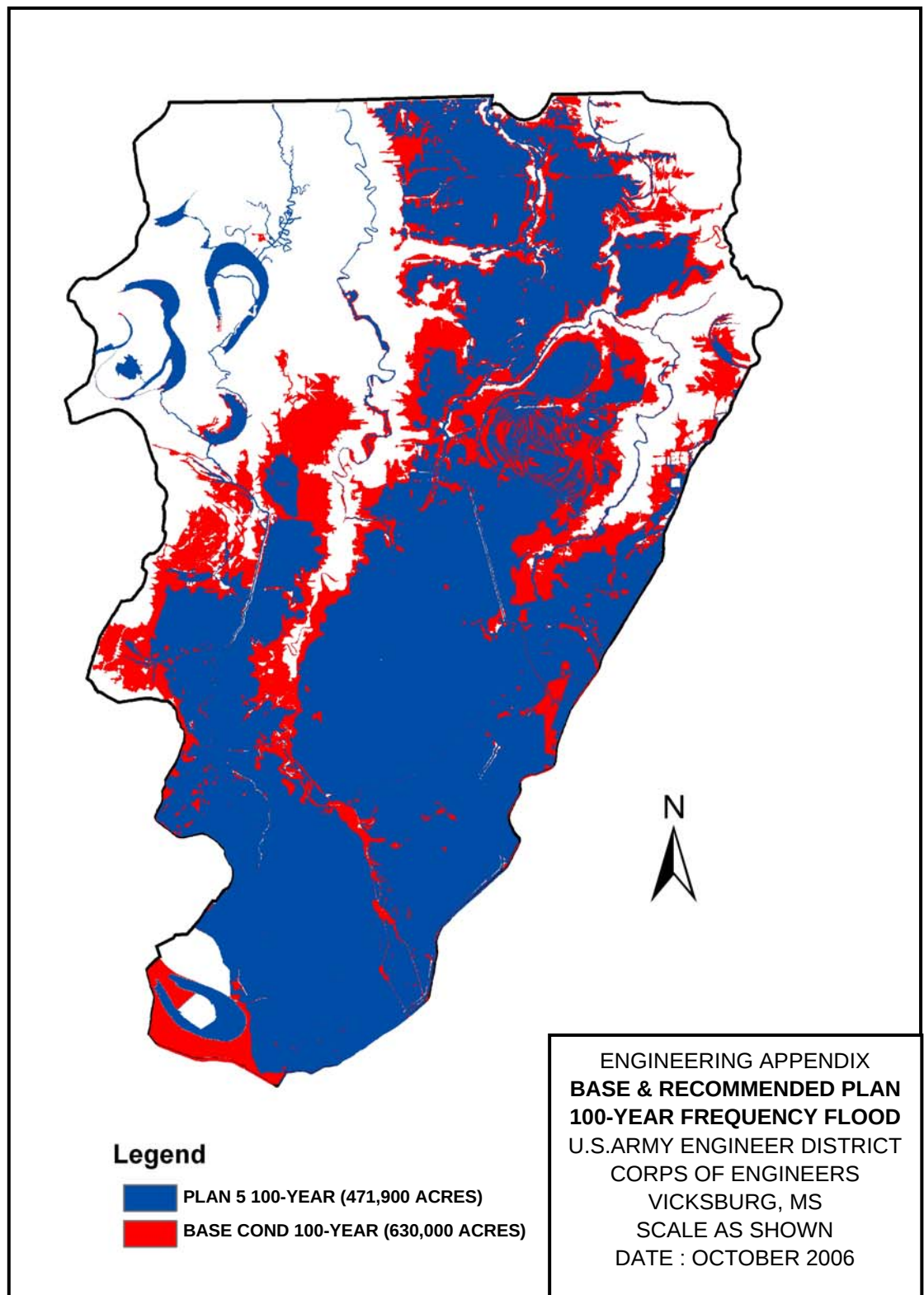
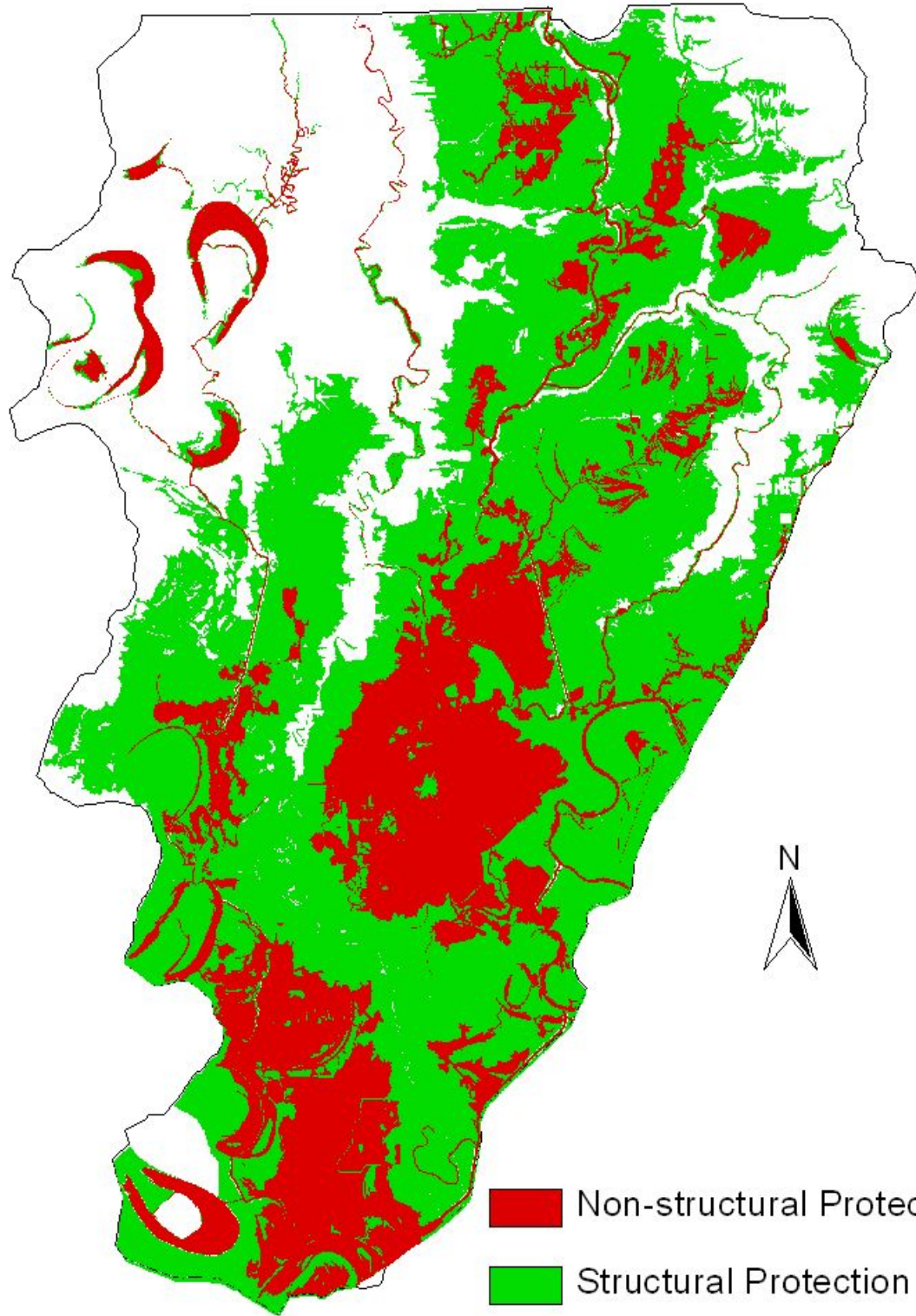


PLATE 4-9

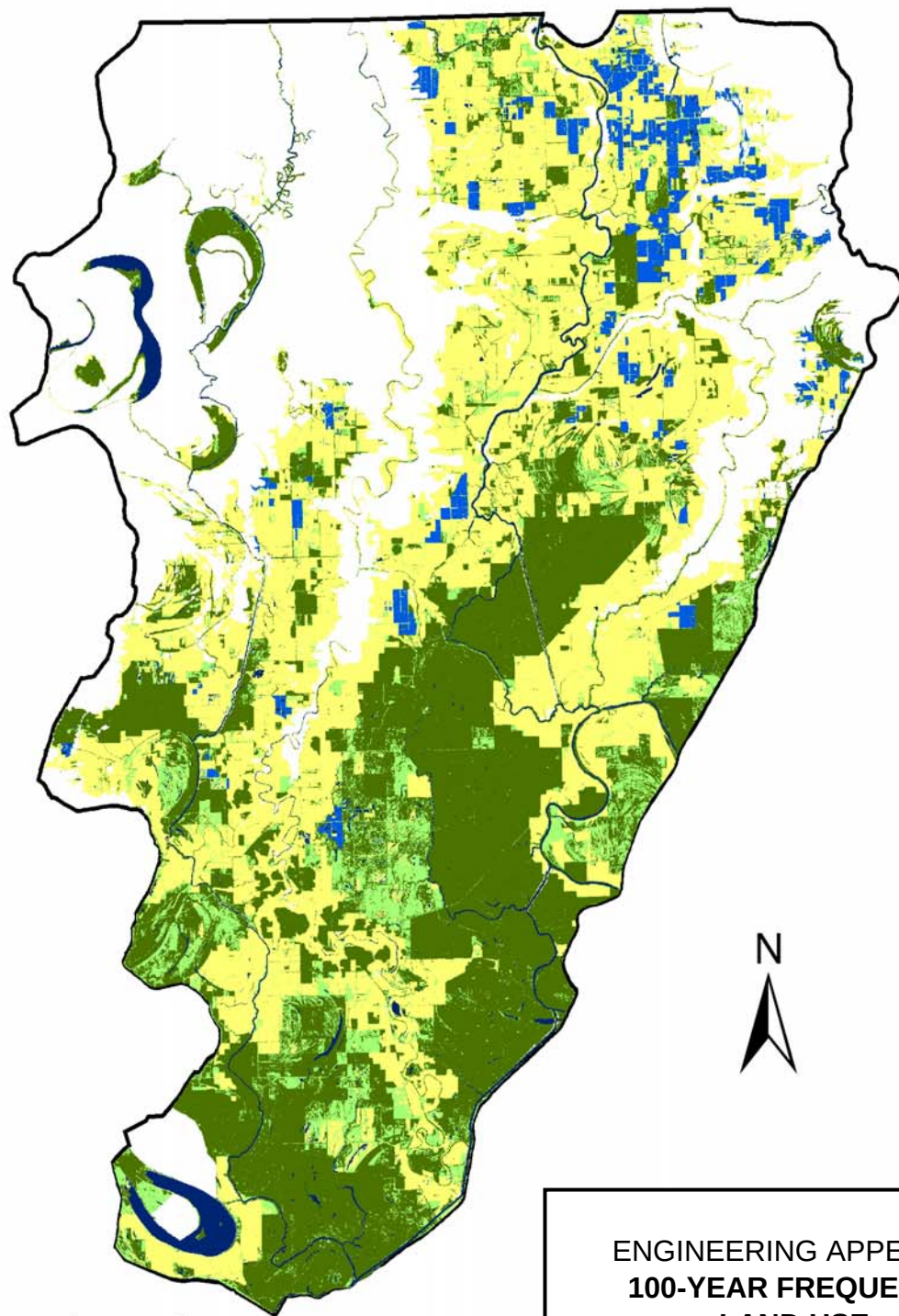




 Non-structural Protection

 Structural Protection

ENGINEERING APPENDIX
**STRUCTURAL AND NON-
STRUCTURAL FLOOD
PROTECTION**
U.S.ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MS
DATE : OCTOBER 2006



Legend

- CROP
- NON-CROP
- FOREST
- LAKE
- POND

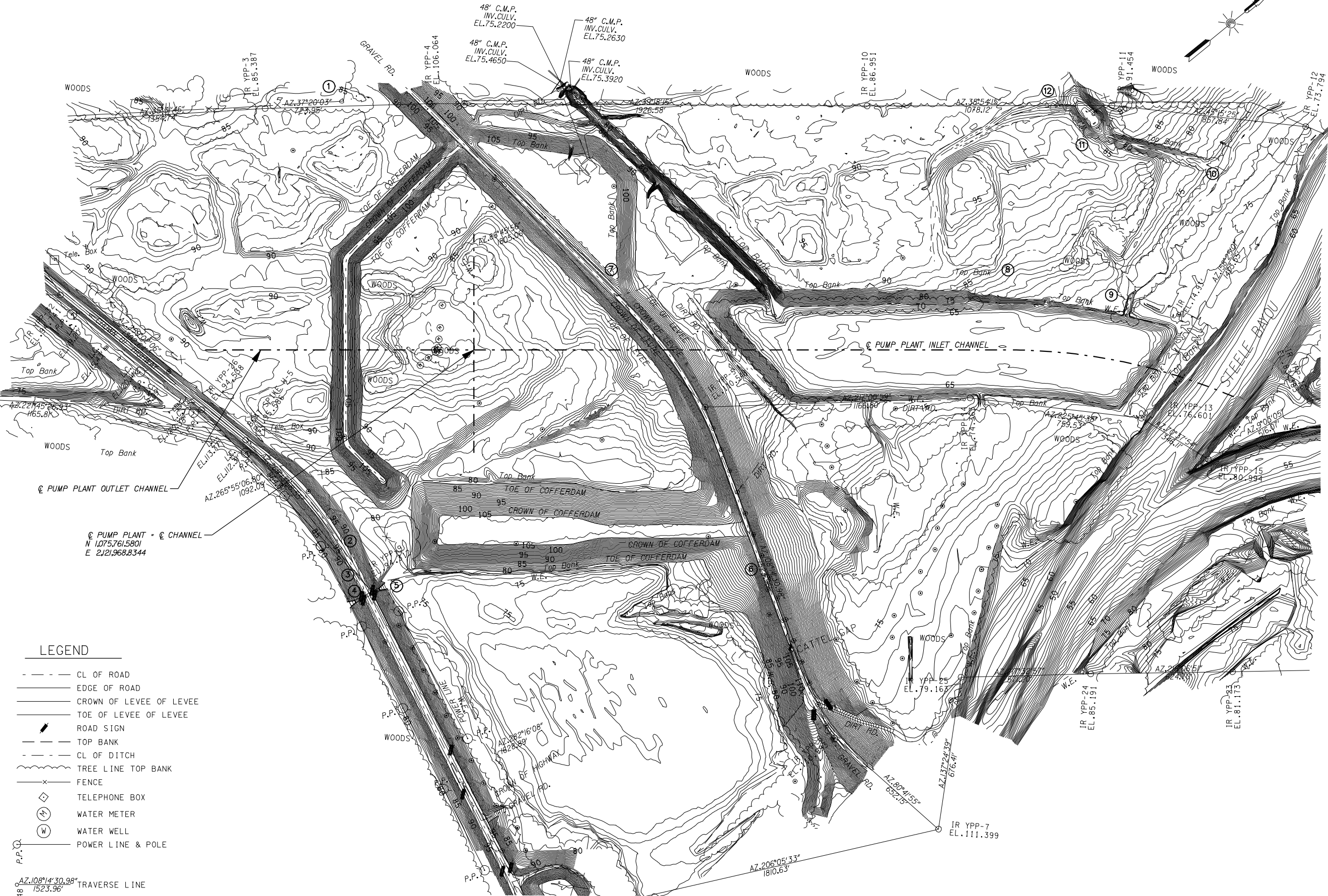
ENGINEERING APPENDIX
**100-YEAR FREQUENCY
LAND USE**
U.S.ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
VICKSBURG, MS
SCALE AS SHOWN
DATE : OCTOBER 2006

D

C

B

A



LEGEND

- CL OF ROAD
- EDGE OF ROAD
- CROWN OF LEVEE OF LEVEE
- TOE OF LEVEE OF LEVEE
- ROAD SIGN
- TOP BANK
- CL OF DITCH
- TREE LINE TOP BANK
- FENCE
- TELEPHONE BOX
- WATER METER
- WATER WELL
- POWER LINE & POLE

IR YPP-5
EL. 110.548
AZ 108°14'30.98"
1523.96' TRAVERSE LINE

SITE PLAN
SCALE: 1 IN. = 20 FT

200 100 0 200 400 FT
SCALE: 1" = 200'



US Army Corps
of Engineers
Vicksburg District

This drawing is in the planning stage and
should not be used for any other purpose.

Rev.	Date	Month	Year	Design	Drawn	Reviewed	Submitted	Chief
				Y-15-278	TAT	TAT	TAT	TAT

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

FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES
YAZOO BACKWATER BASIN AREA
YAZOO BACKWATER PUMPING PLANT SITE WORK
EXISTING CONDITIONS

4/14

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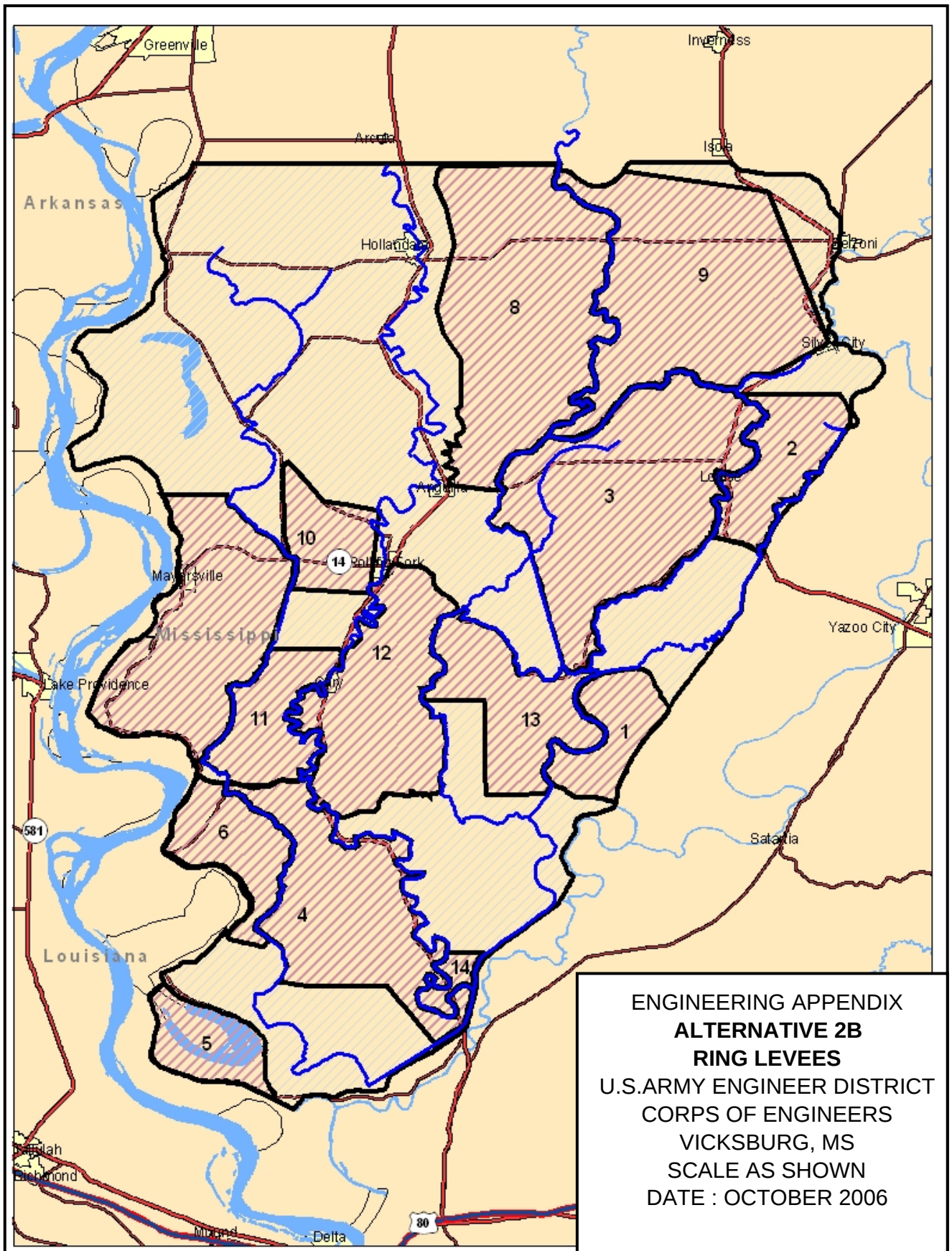
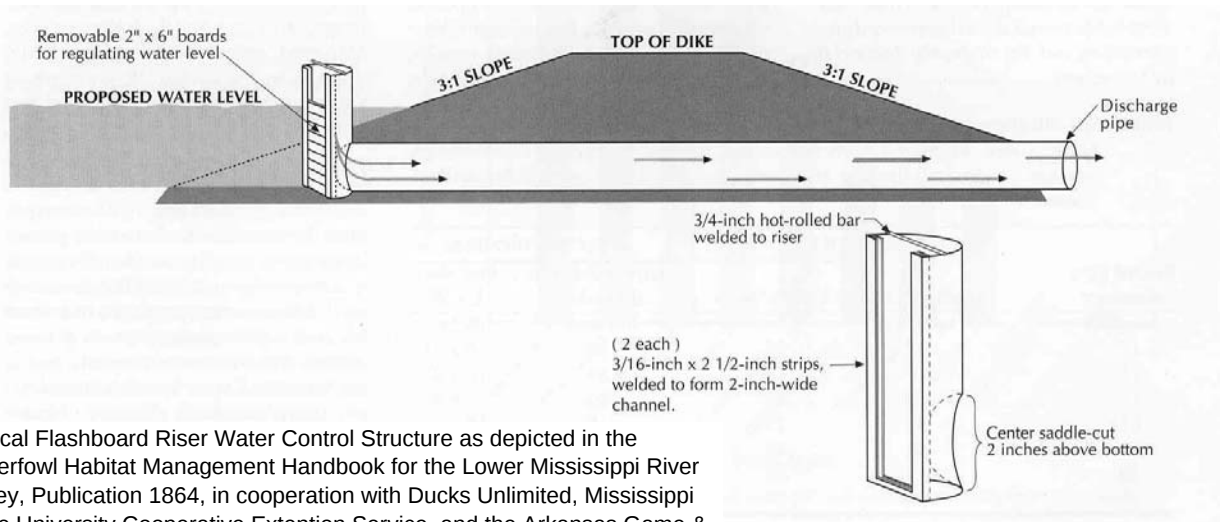


PLATE 4-15



Typical Flashboard Riser Water Control Structure as depicted in the Waterfowl Habitat Management Handbook for the Lower Mississippi River Valley, Publication 1864, in cooperation with Ducks Unlimited, Mississippi State University Cooperative Extension Service, and the Arkansas Game & Fish Commission.

ENGINEERING APPENDIX
**TYPICAL FLASHBOARD RISER
 WATER CONTROL STRUCTURE**
 U.S.ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 VICKSBURG, MS
 SCALE AS SHOWN
 DATE : OCTOBER 2006