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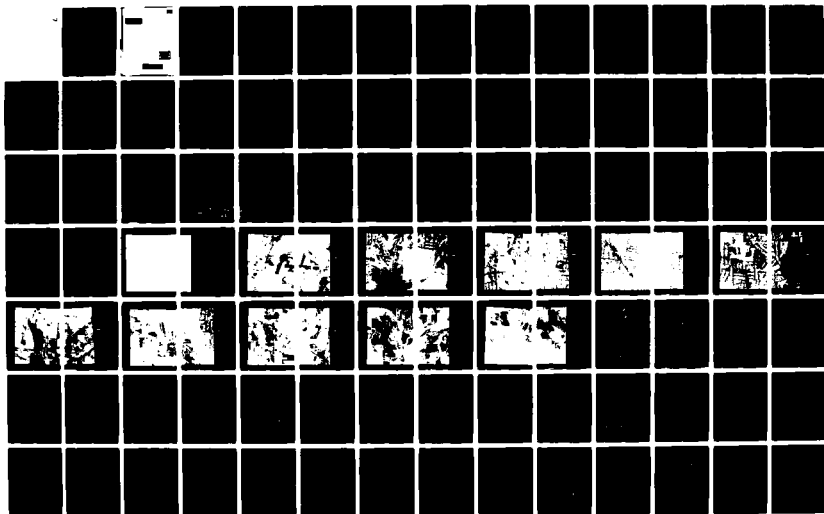
WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY
ENGINEER DISTRICT ST LOUIS MO DEC 83

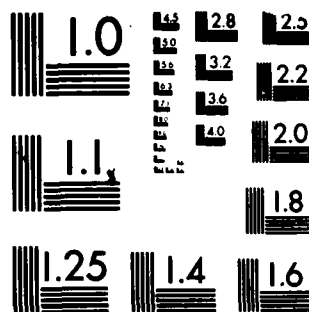
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Water Resources Investigation Cape Girardeau- Jackson Metropolitan Area, Missouri Vol.3 - Plates		5. TYPE OF REPORT & PERIOD COVERED Survey Report
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Engineer District, St. Louis 210 Tucker Boulevard, North St. Louis, MO 63101		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE December 1983
		13. NUMBER OF PAGES 121
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
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16. DISTRIBUTION STATEMENT (of this Report) Approved for release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Studies of a 210-square mile area including the Cape Girardeau-Jackson, Missouri metropolitan areas are addressed in this report. The problem of flooding along Cape La Croix Creek and Walker Branch in the City of Cape Girardeau (drainage area of 21.4 square miles) is addressed by the Recommended Plan. Environmental, outdoor recreation, and social well-being concerns have also been addressed. Flood control improvements for the remainder of the study area, including the city of Jackson and the rural area along the Little River Diversion Channel, are not economically justified at this time.		

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20. (Continued)

The Recommended Plan has widespread public support; it reduces the total average annual flood damages by about 85%; and addresses the environmental and outdoor recreational needs. With implementation of the Recommended Plan of improvements the flood damages normally expected to result from a 500-year flood (this is a flood having a 0.2 percent chance of occurring in any one particular year) would be reduced by about 61 percent. Some 263 existing structures subject to flooding will have full 100-year flood protection with 44 additional structures receiving partial protection. Average annual tangible benefits divided by average annual costs yield a benefit-to-cost ratio of 1.7 to 1, based on 8-1/8 percent interest and October 1983 price levels.

The Recommended Plan of improvements is estimated to cost \$25,900,000 based on October 1983 price levels. Under existing laws and cost sharing procedures these costs would be shared \$20,700,000 Federal and \$5,200,000 non-Federal sponsor. In addition, the local sponsor would be responsible for all operation and maintenance costs currently estimated to be about \$58,100 annually, plus \$45,700 annual major replacement costs, totalling \$103,800 annually. The Cape La Croix Creek and Walker Branch Levee and Drainage District is the local sponsor. No mitigation would be required by the implementation of the Recommended Plan and no unresolved environmental or other issues are known to exist.

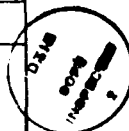
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CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA, MISSOURI

SURVEY REPORT

VOLUME THREE - PLATES

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in the file. Black and
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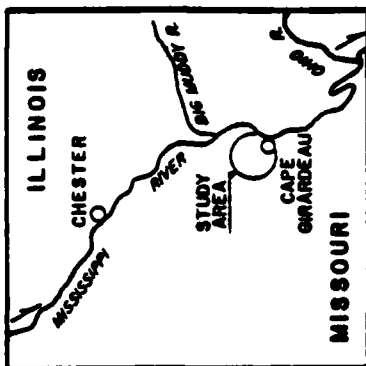
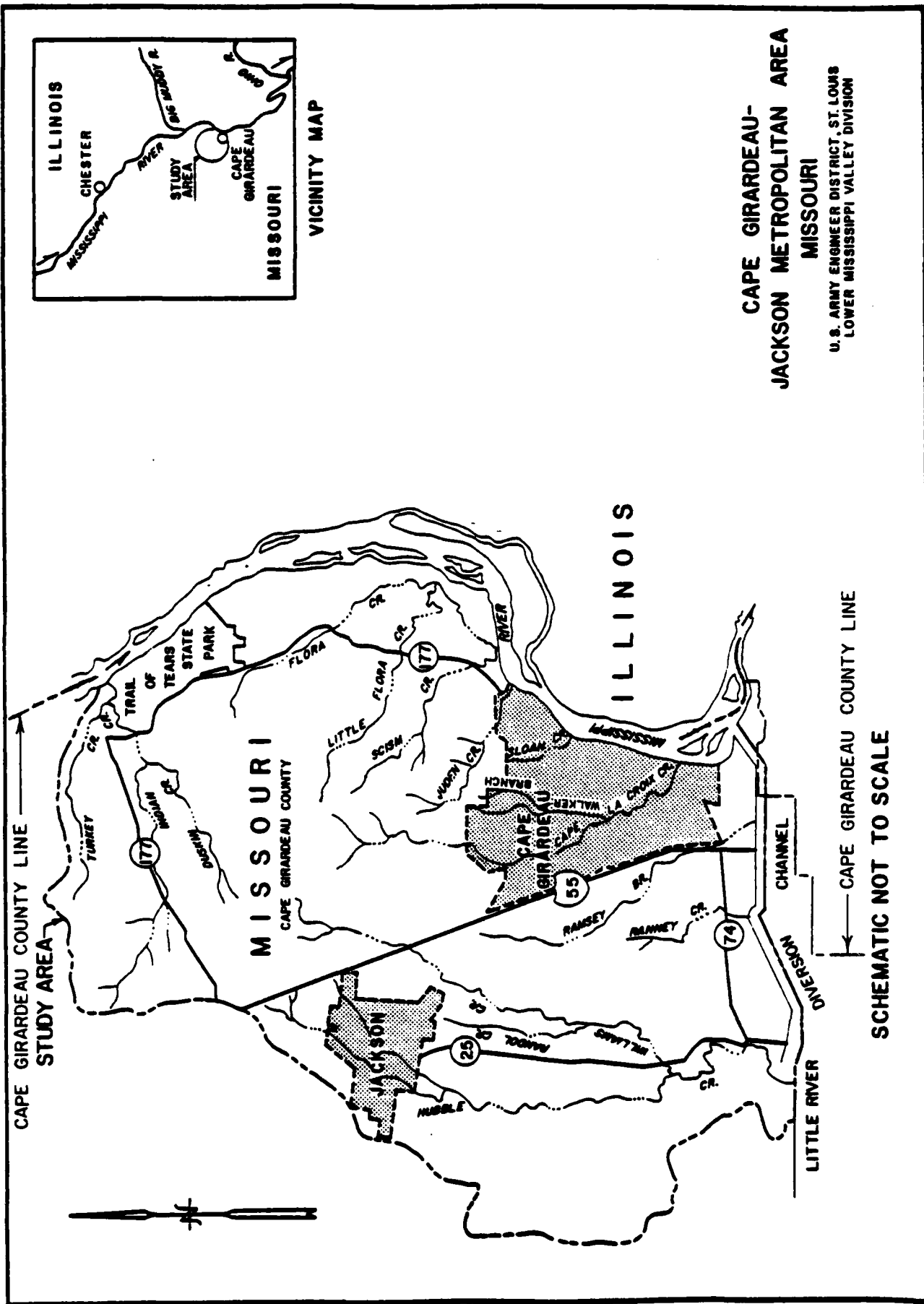
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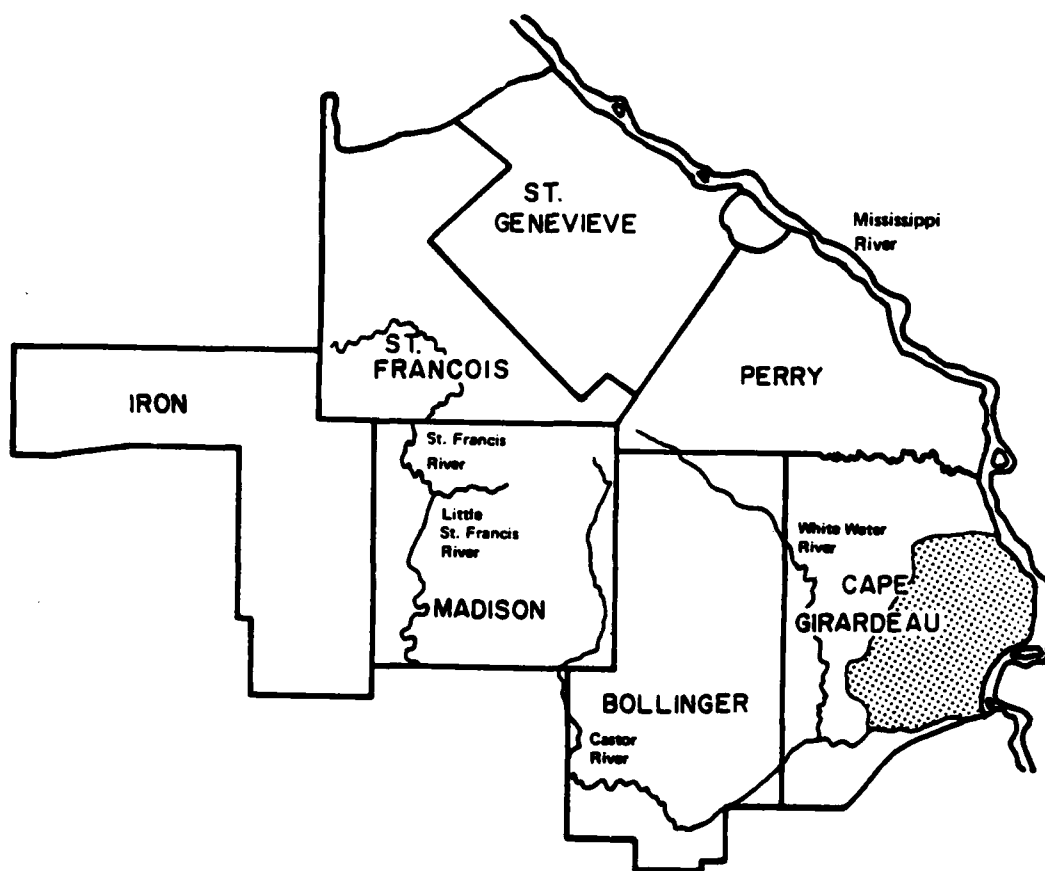


VICINITY MAP

CAPE GIRARDEAU- JACKSON METROPOLITAN AREA MISSOURI

U. S. ARMY ENGINEER DISTRICT, ST. LOUIS
LOWER MISSISSIPPI VALLEY DIVISION

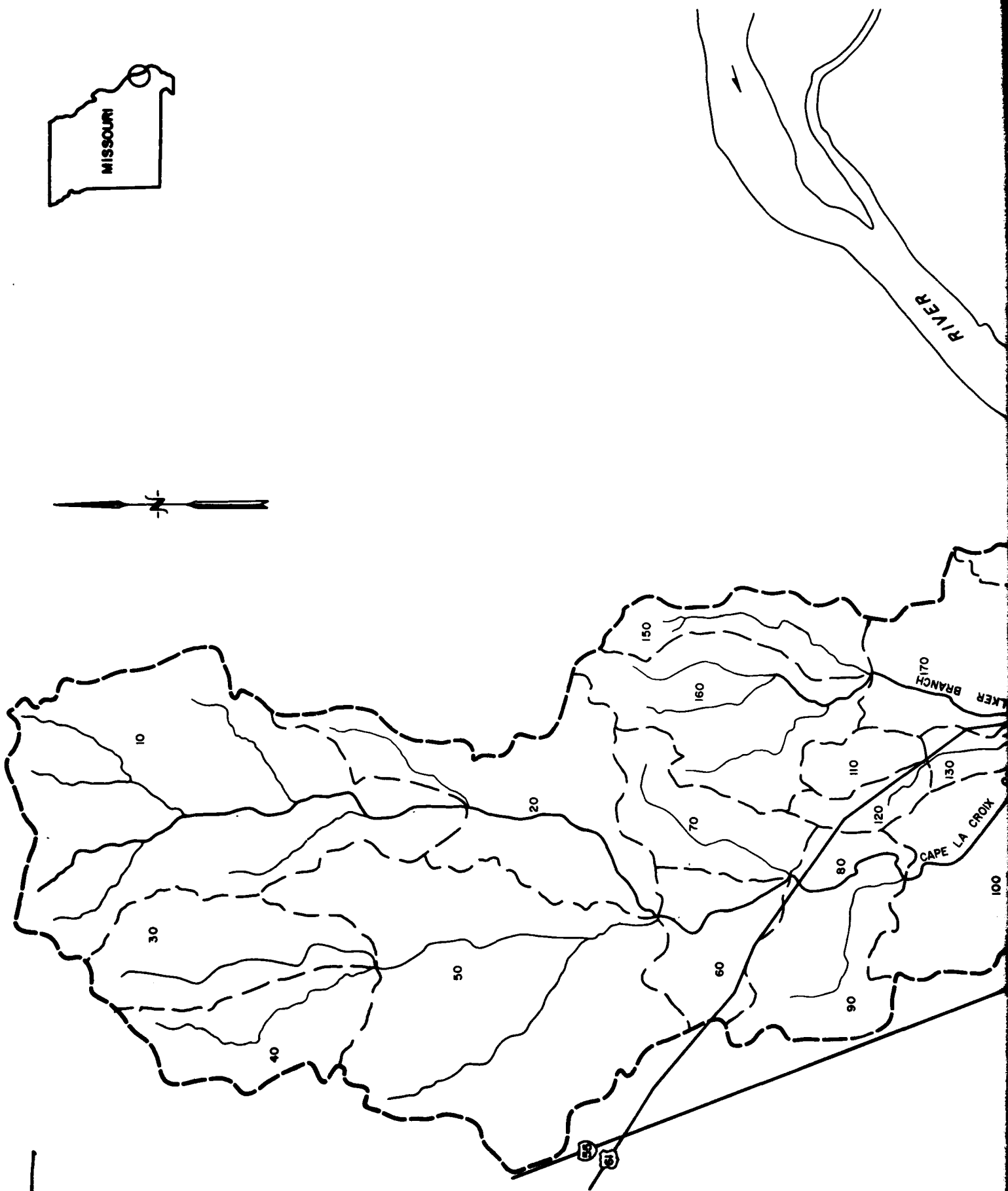
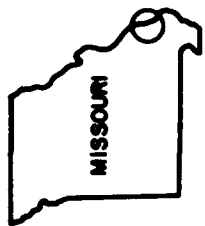
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 STUDY AREA

**SOUTHEAST MISSOURI
REGIONAL PLANNING
COMMISSION AREA**

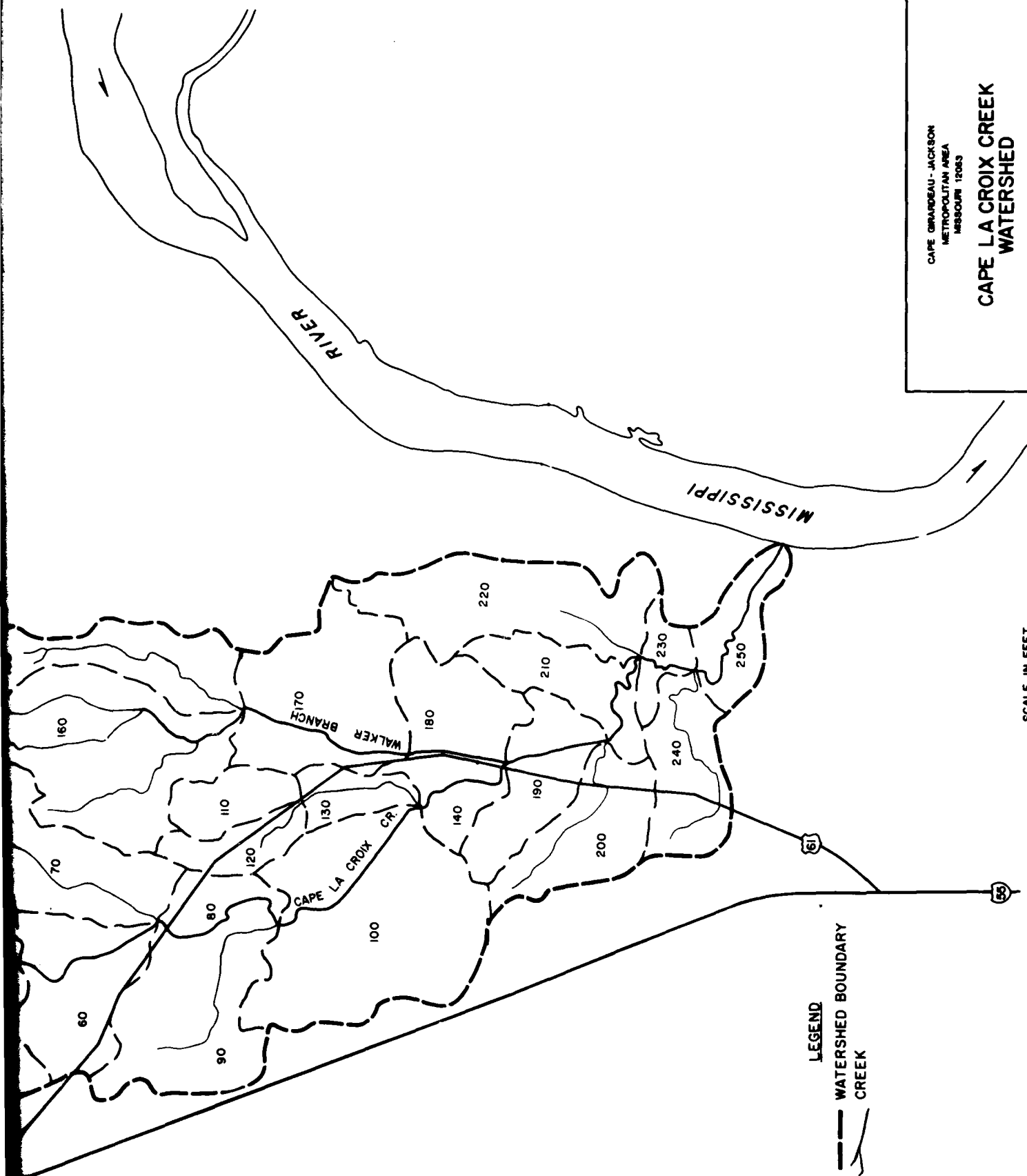
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
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ST. LOUIS, MISSOURI



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12083

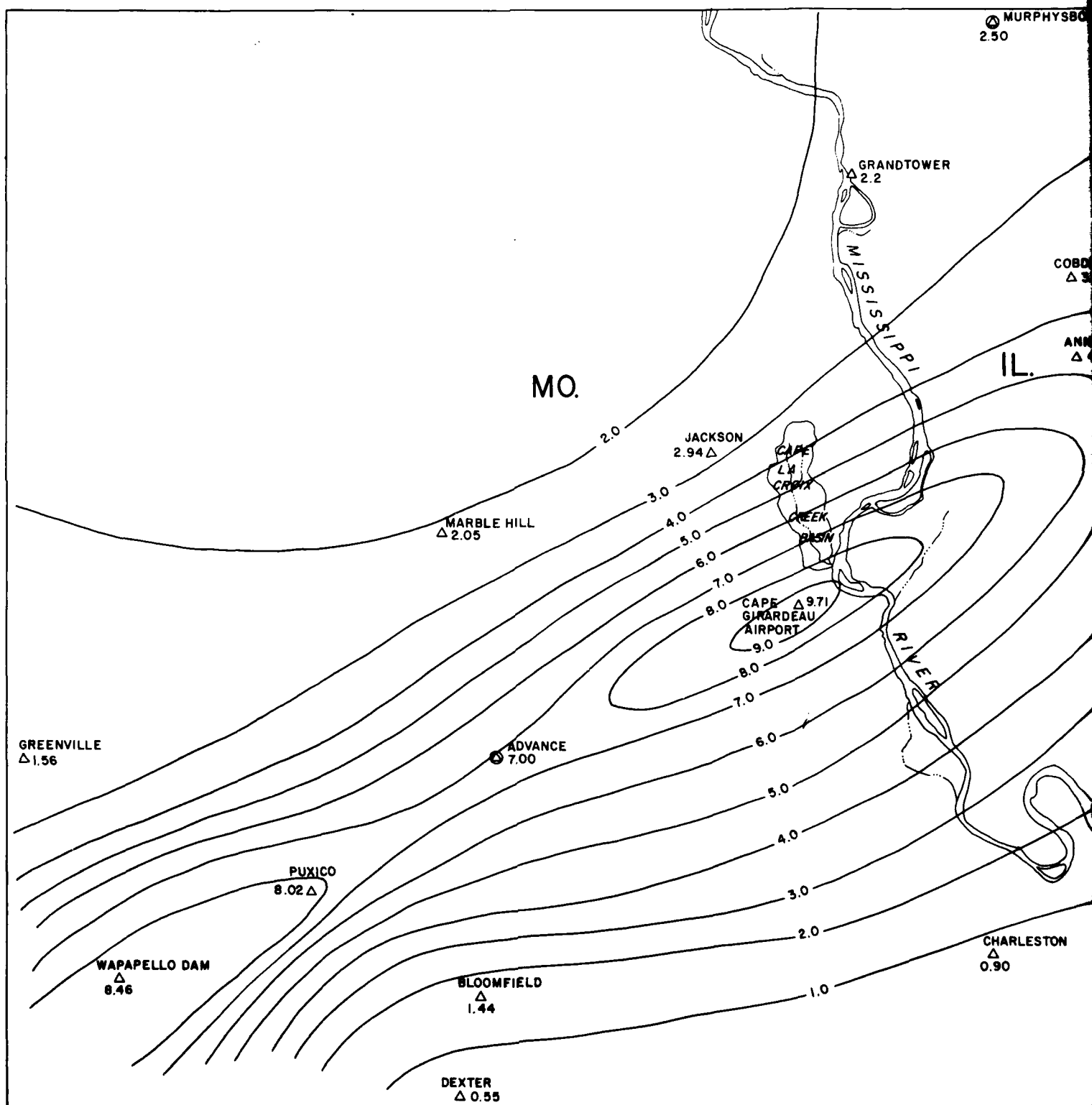
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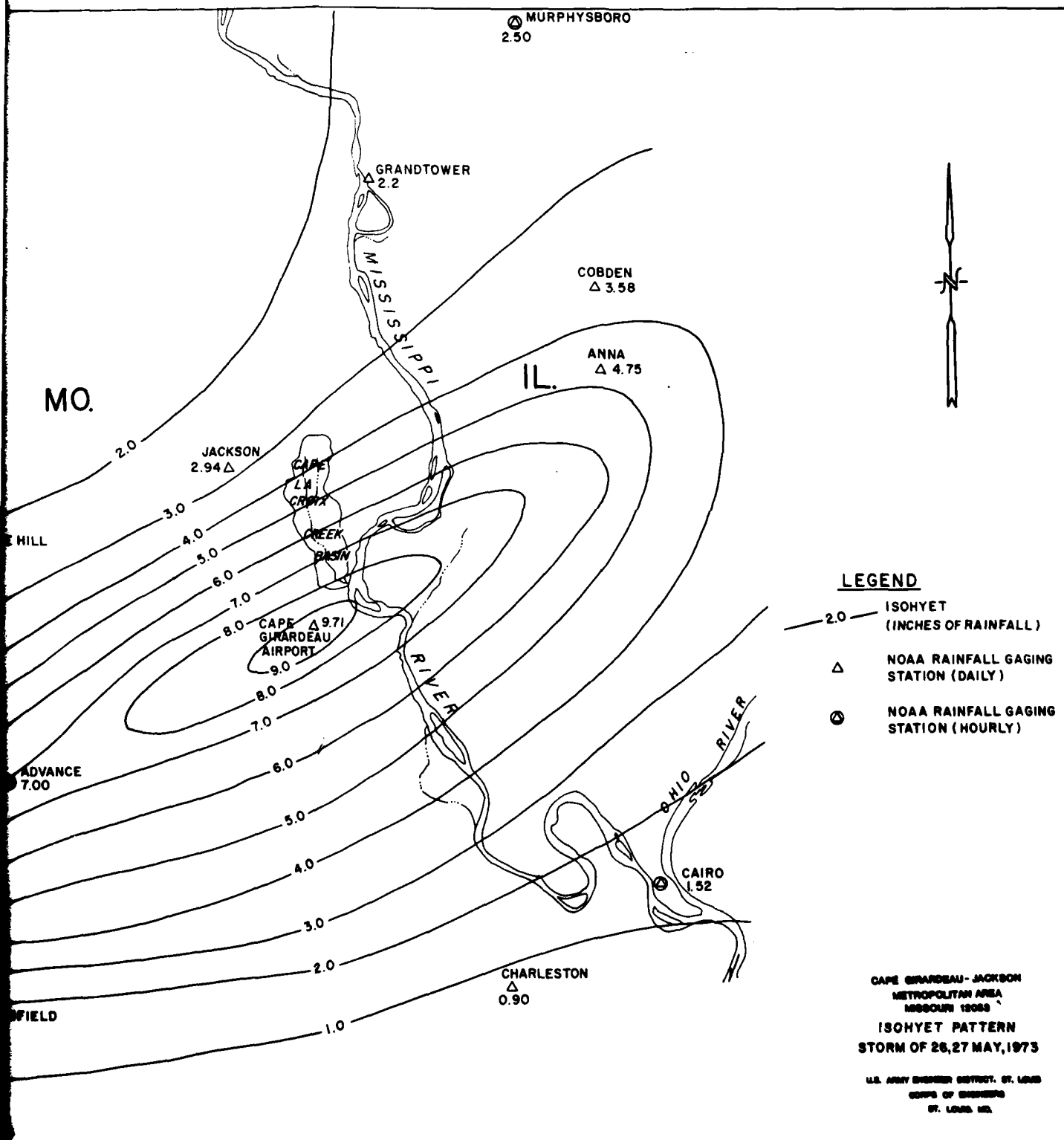
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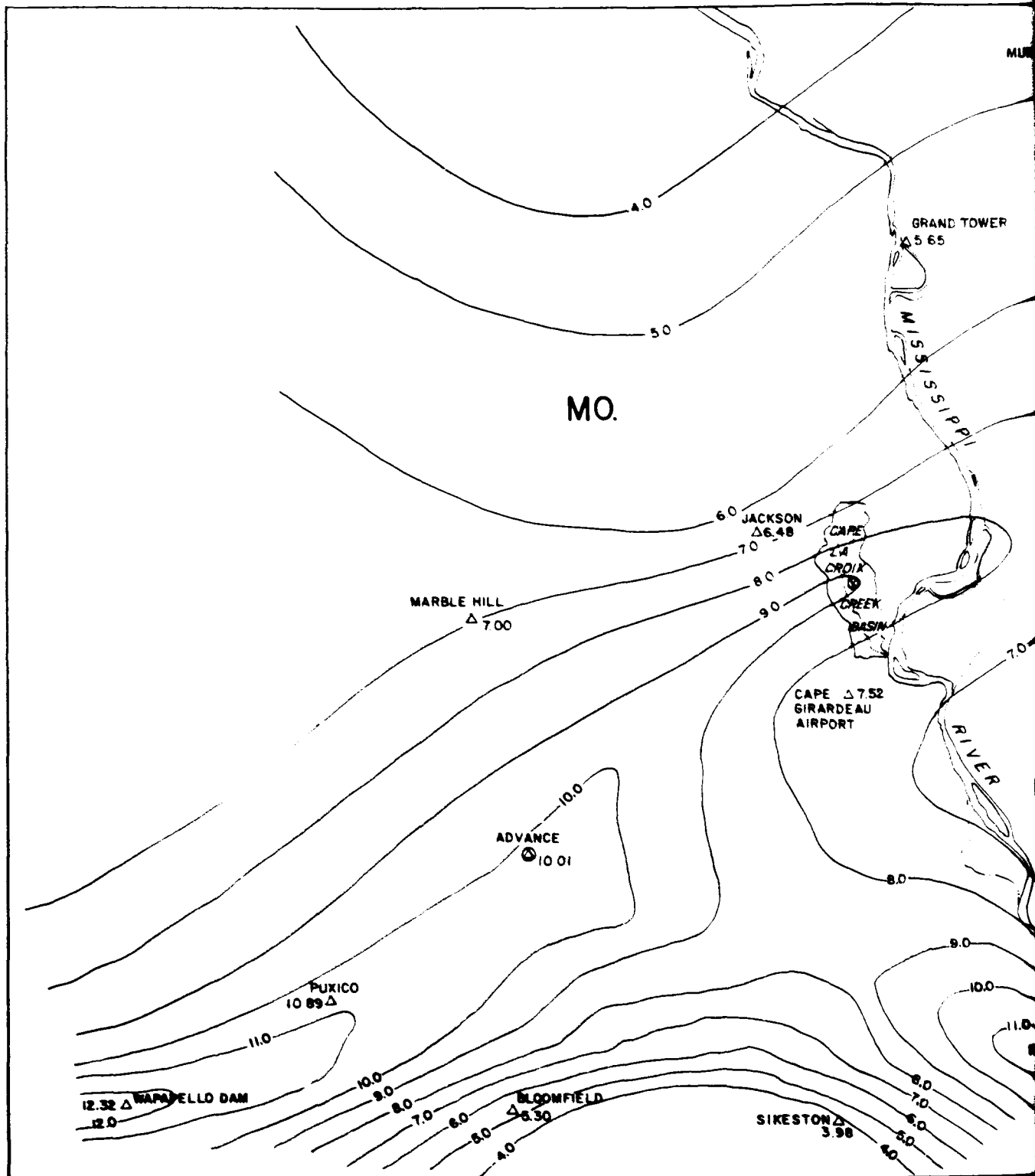


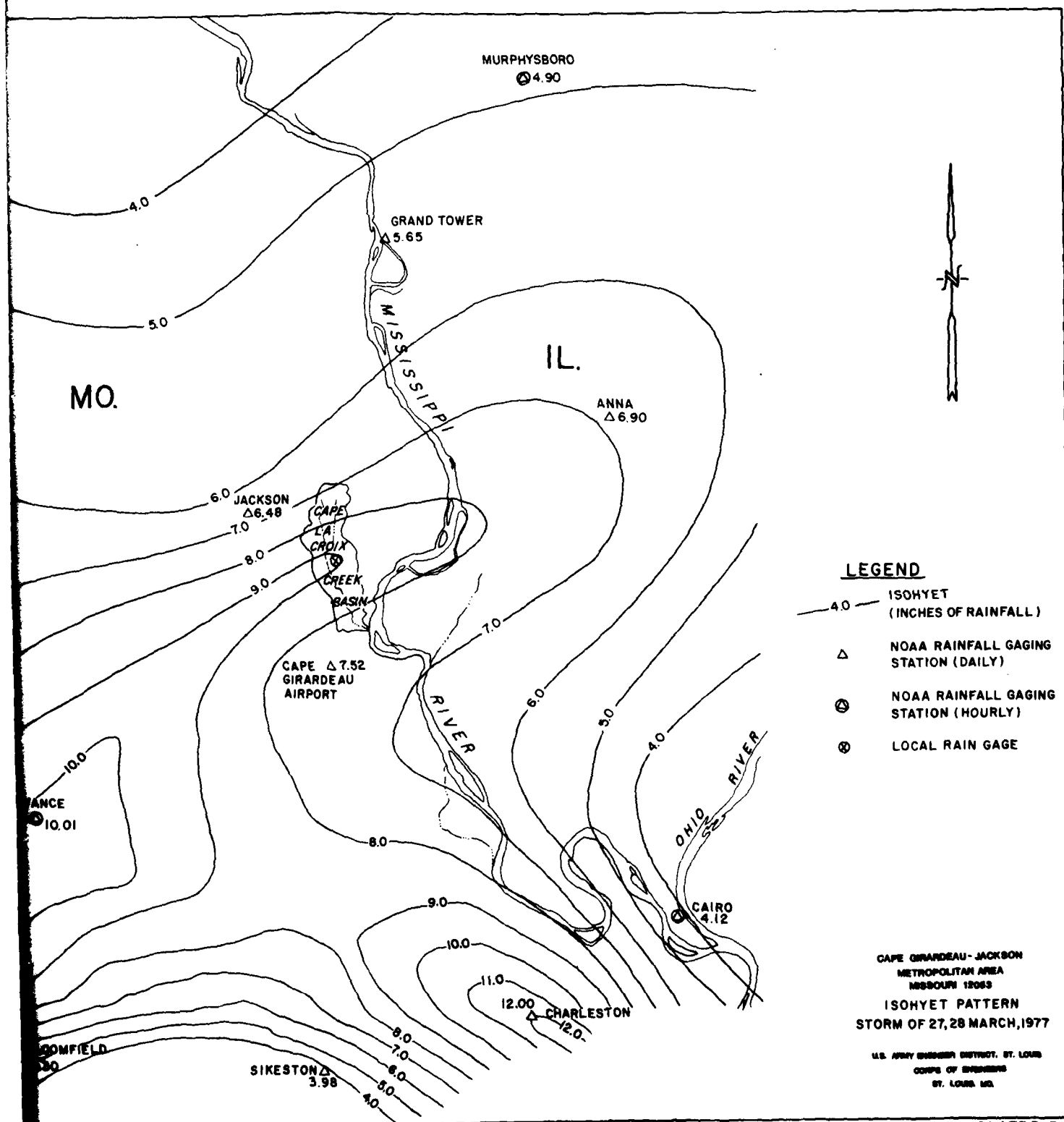
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--- CREEK

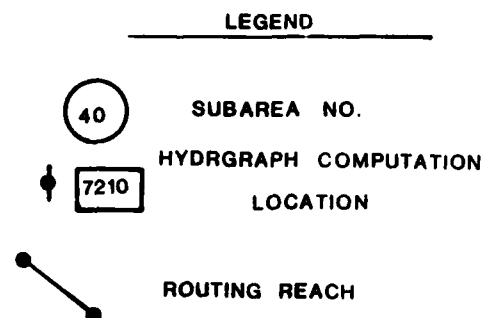
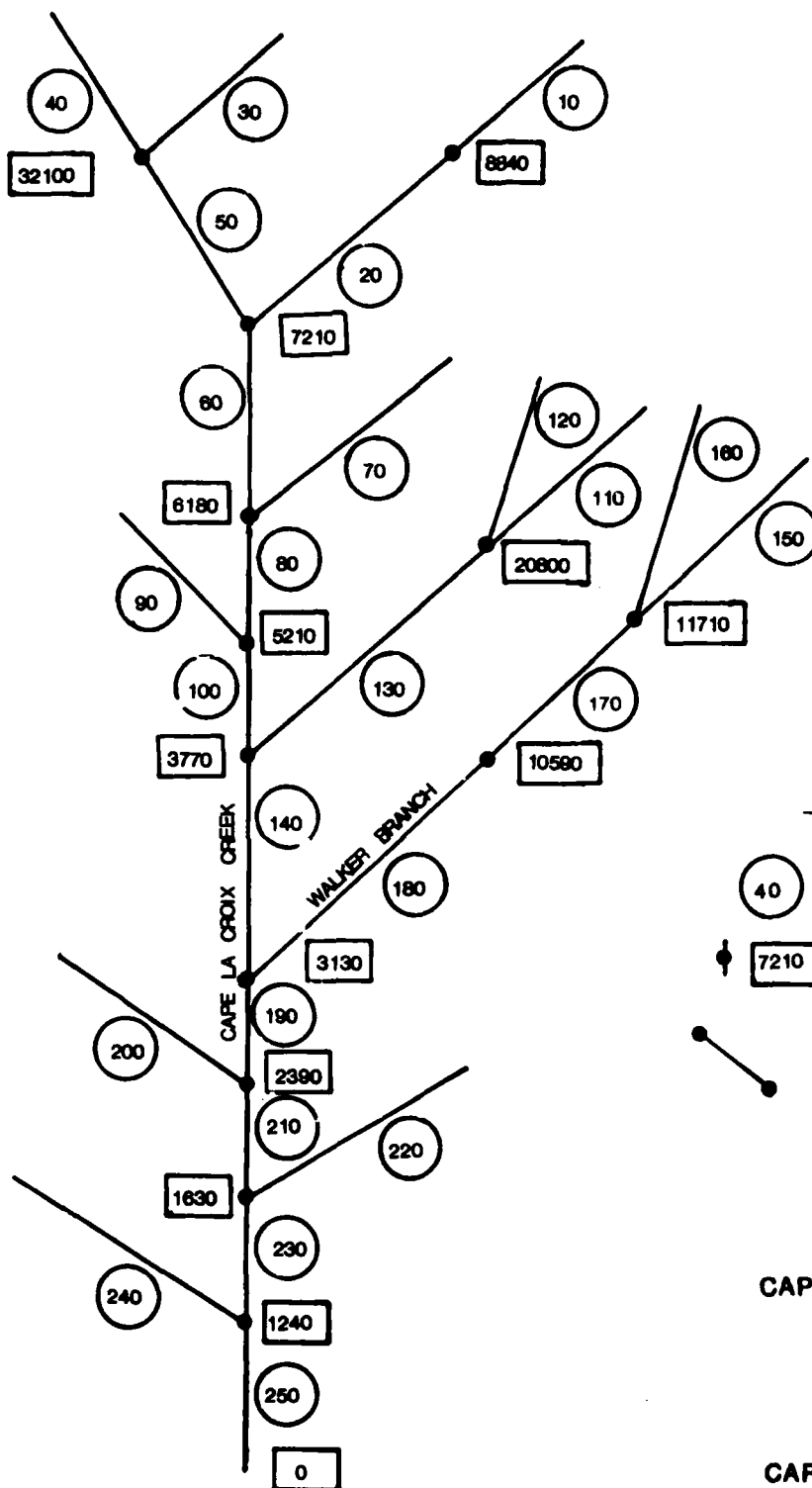






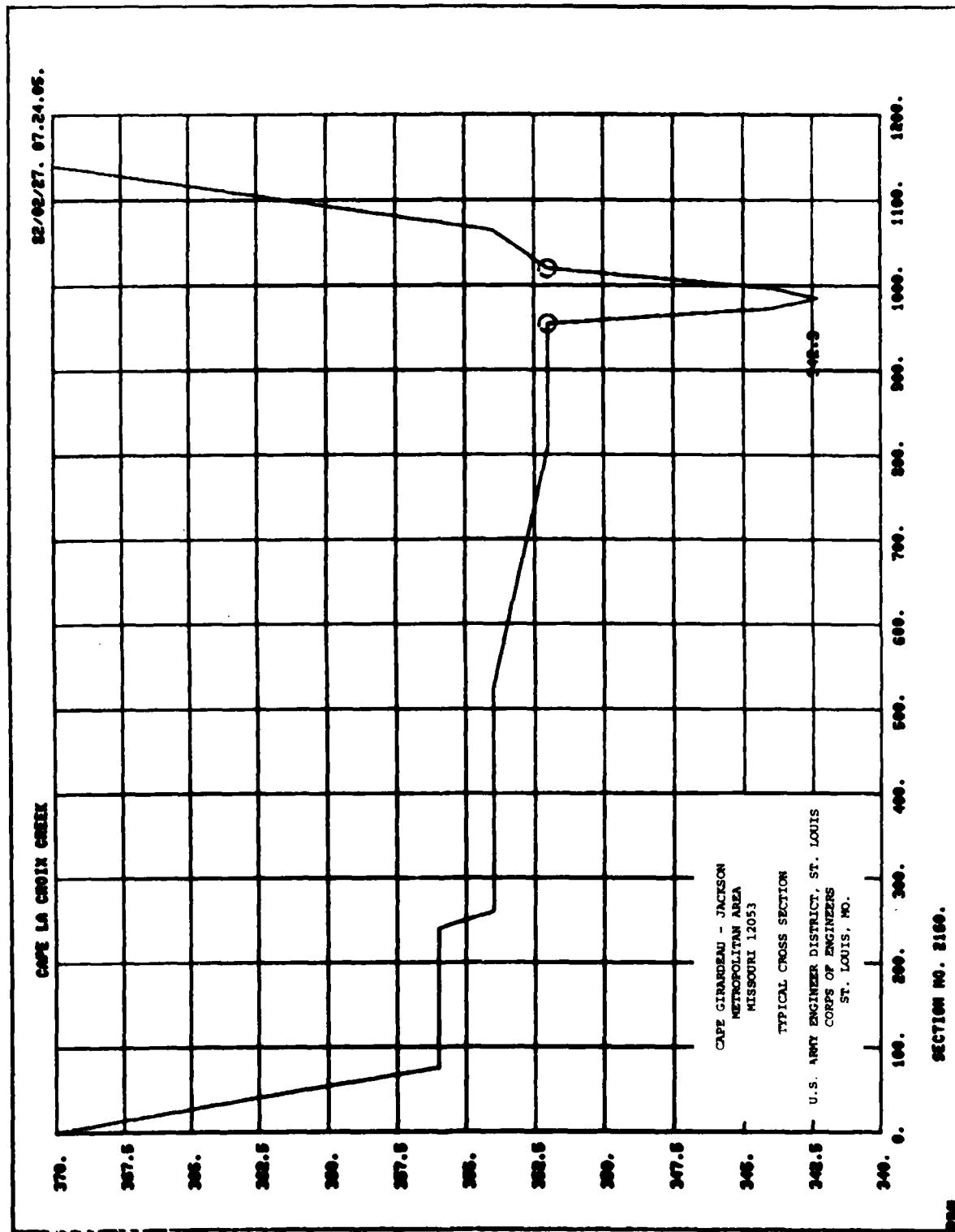


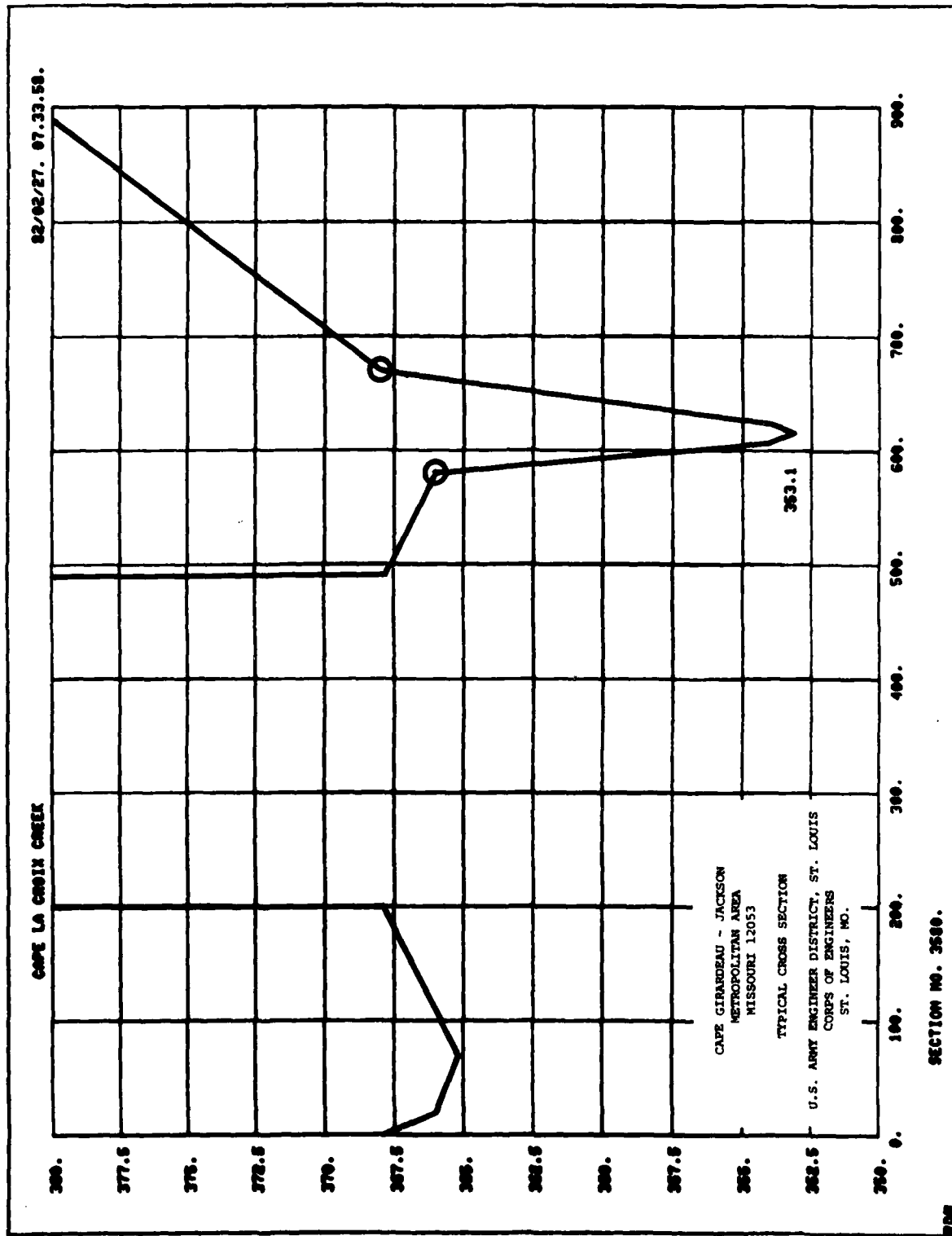




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METROPOLITAN AREA
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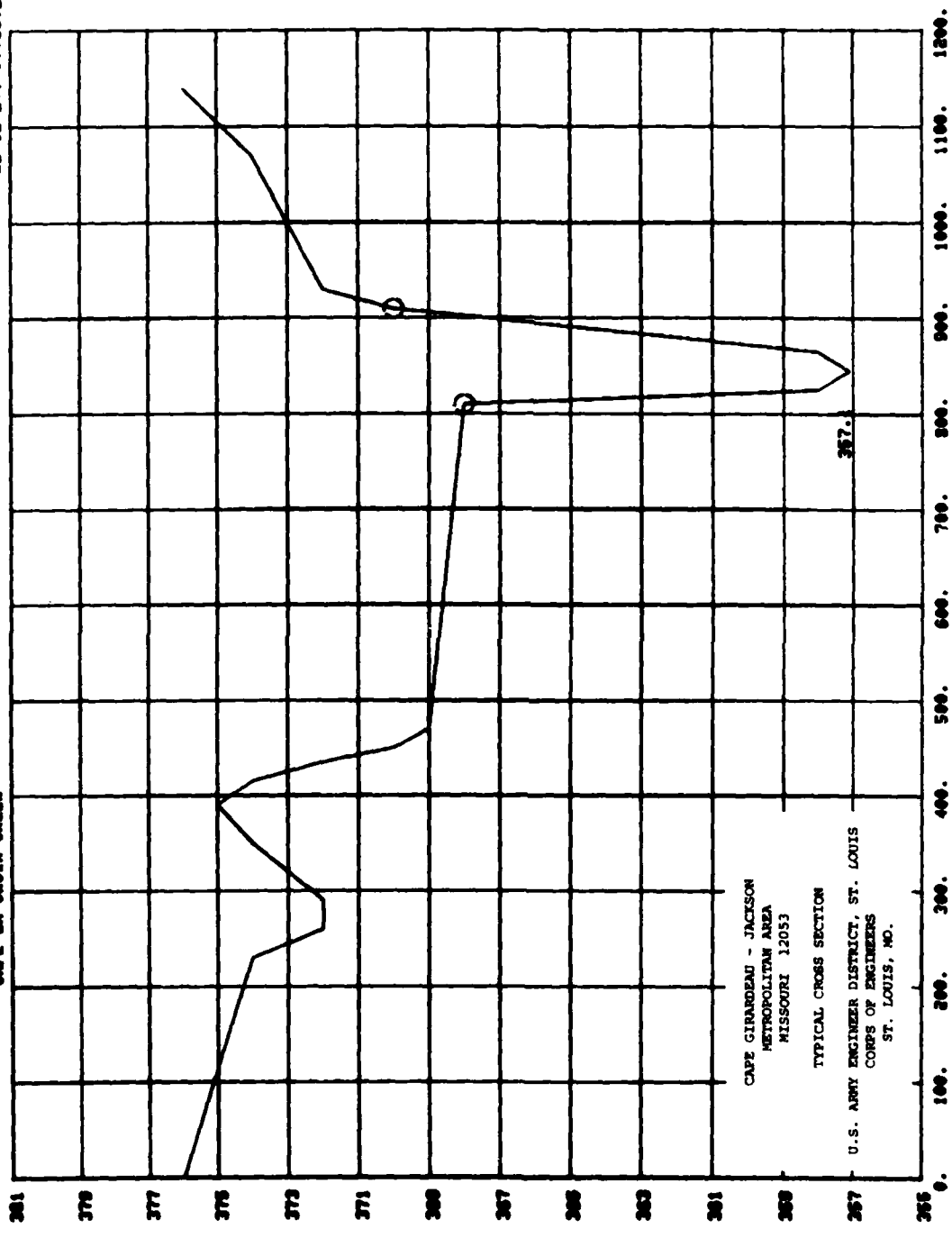
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CAPE LA CROIX CREEK



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

TYPICAL CROSS SECTION

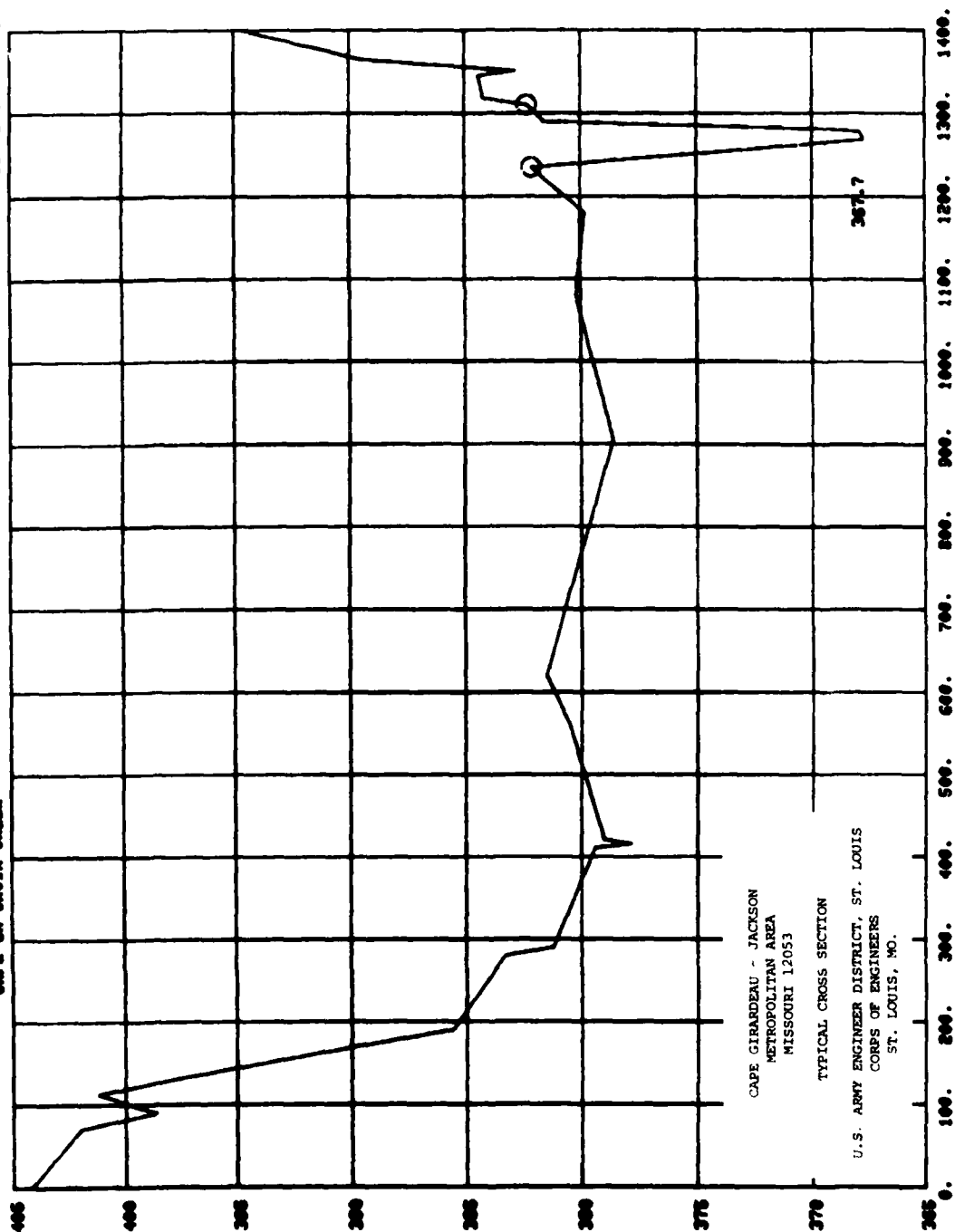
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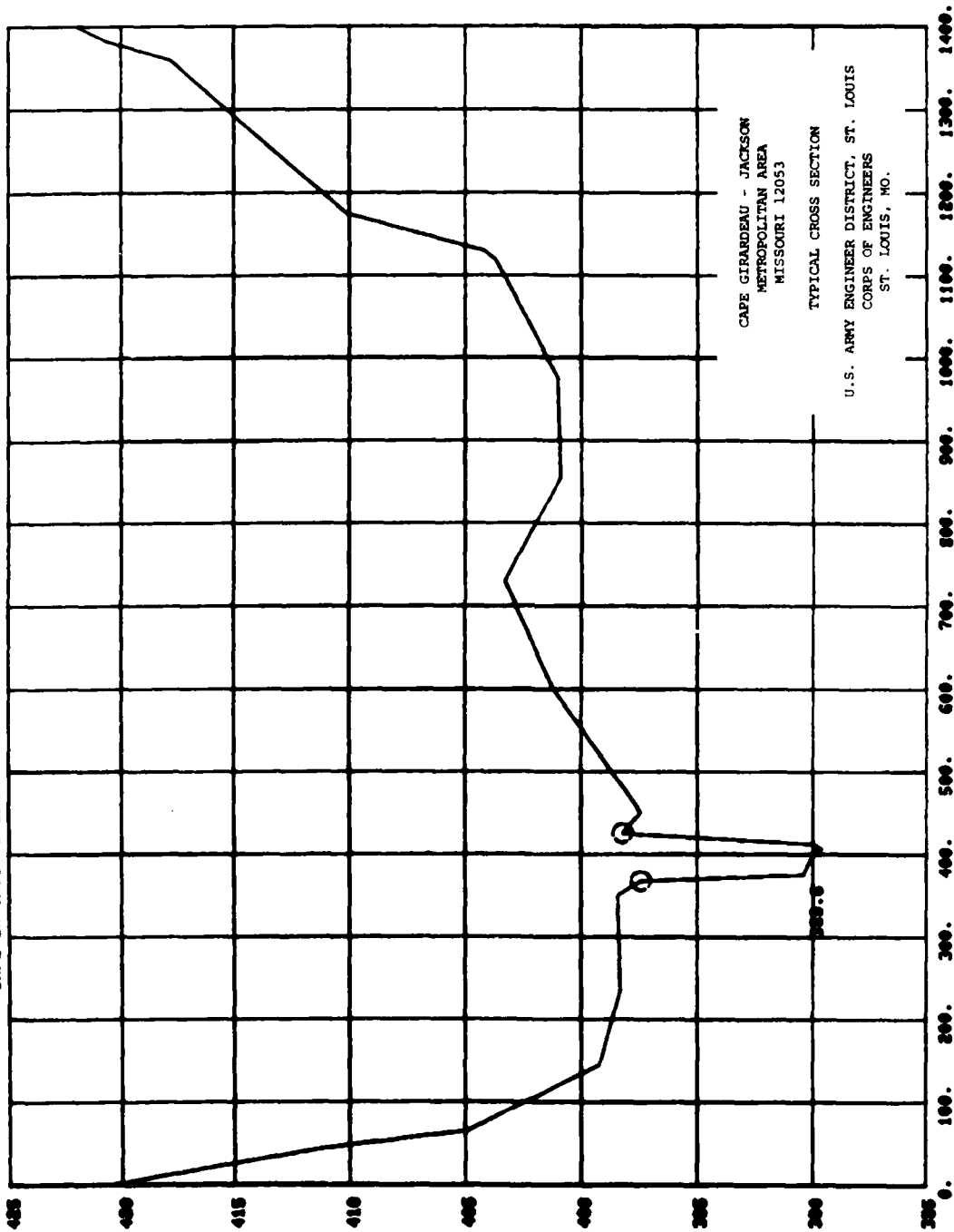
CAPE LA CROIX CREEK



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CAPE LA CROIX CREEK

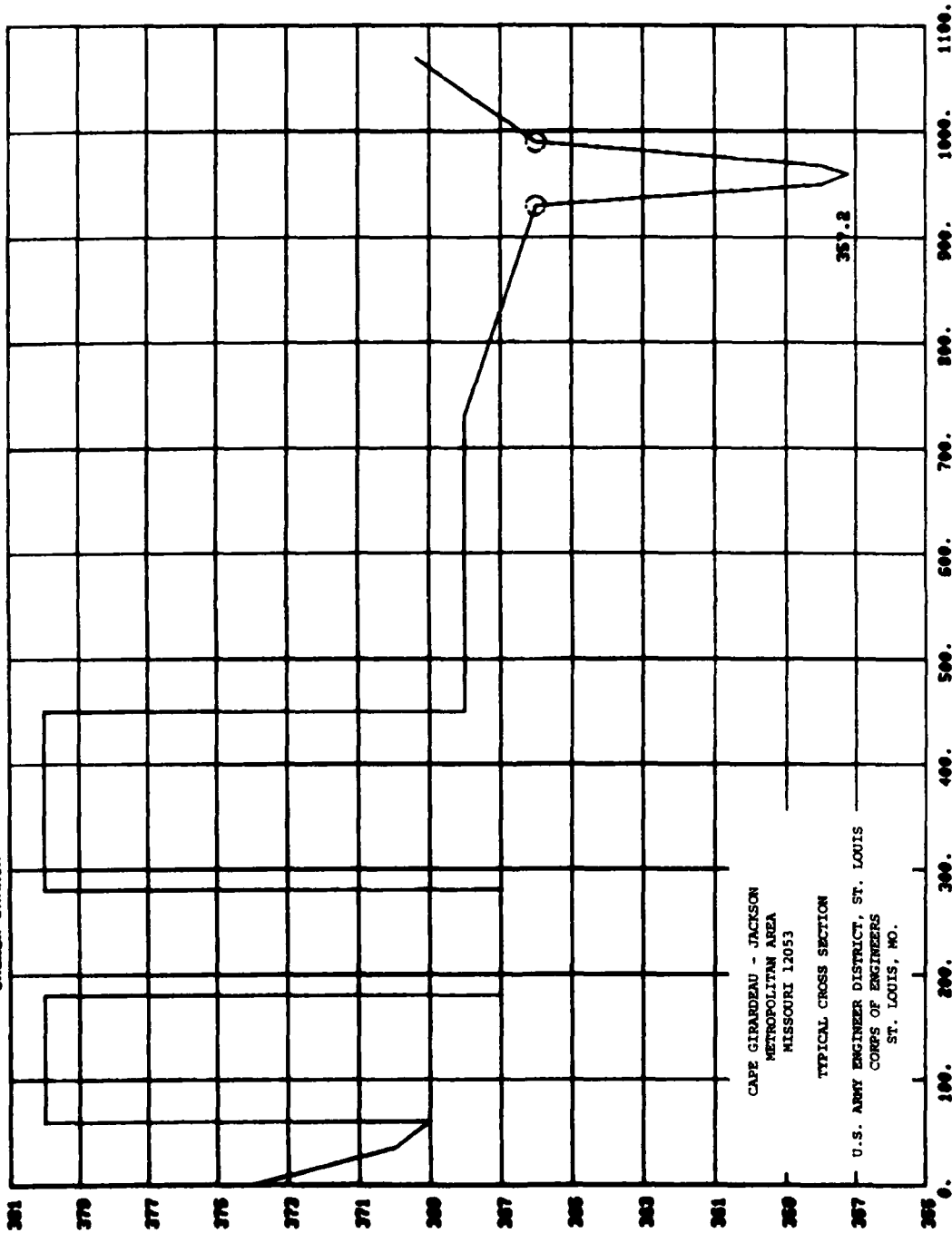


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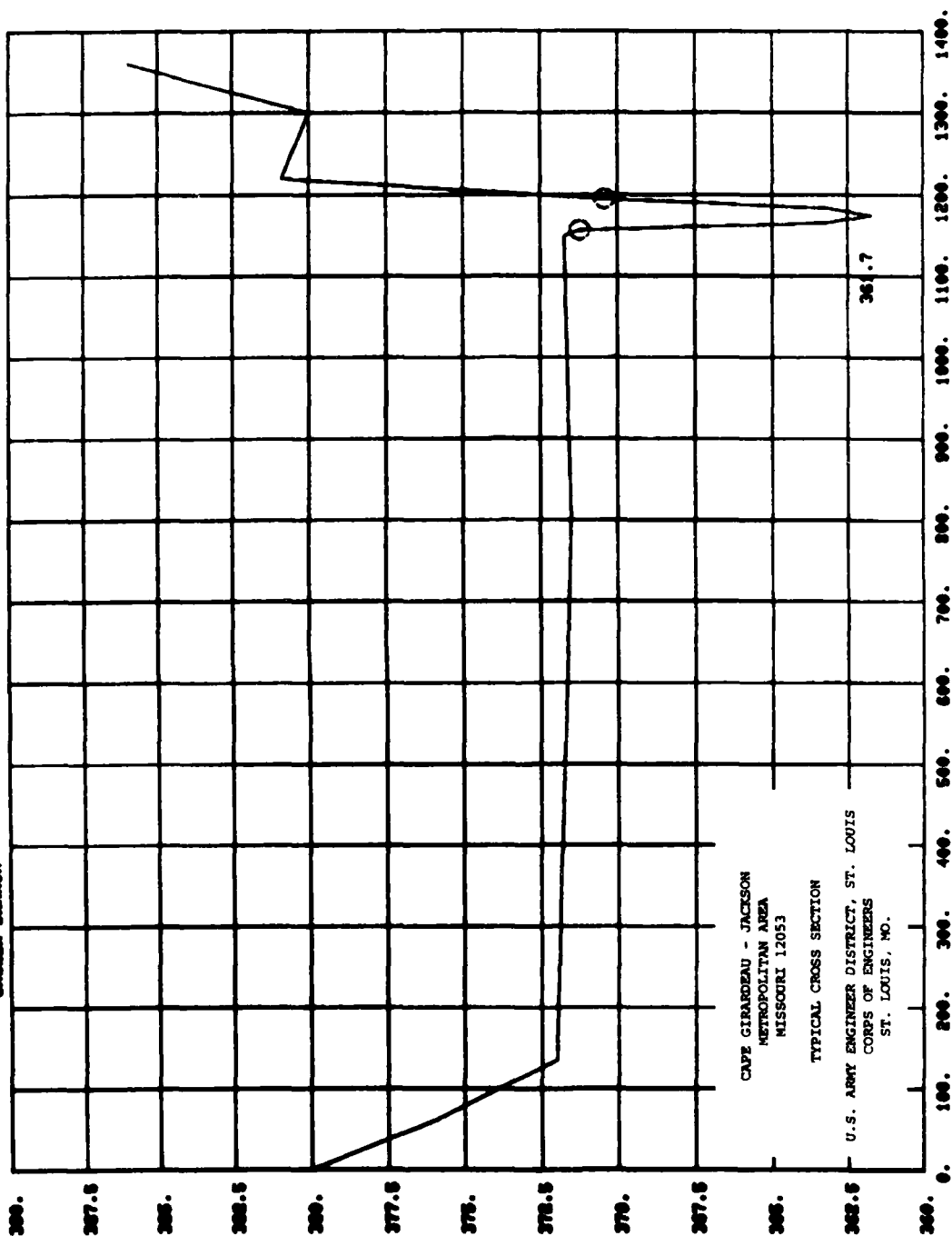
WALKER BRANCH



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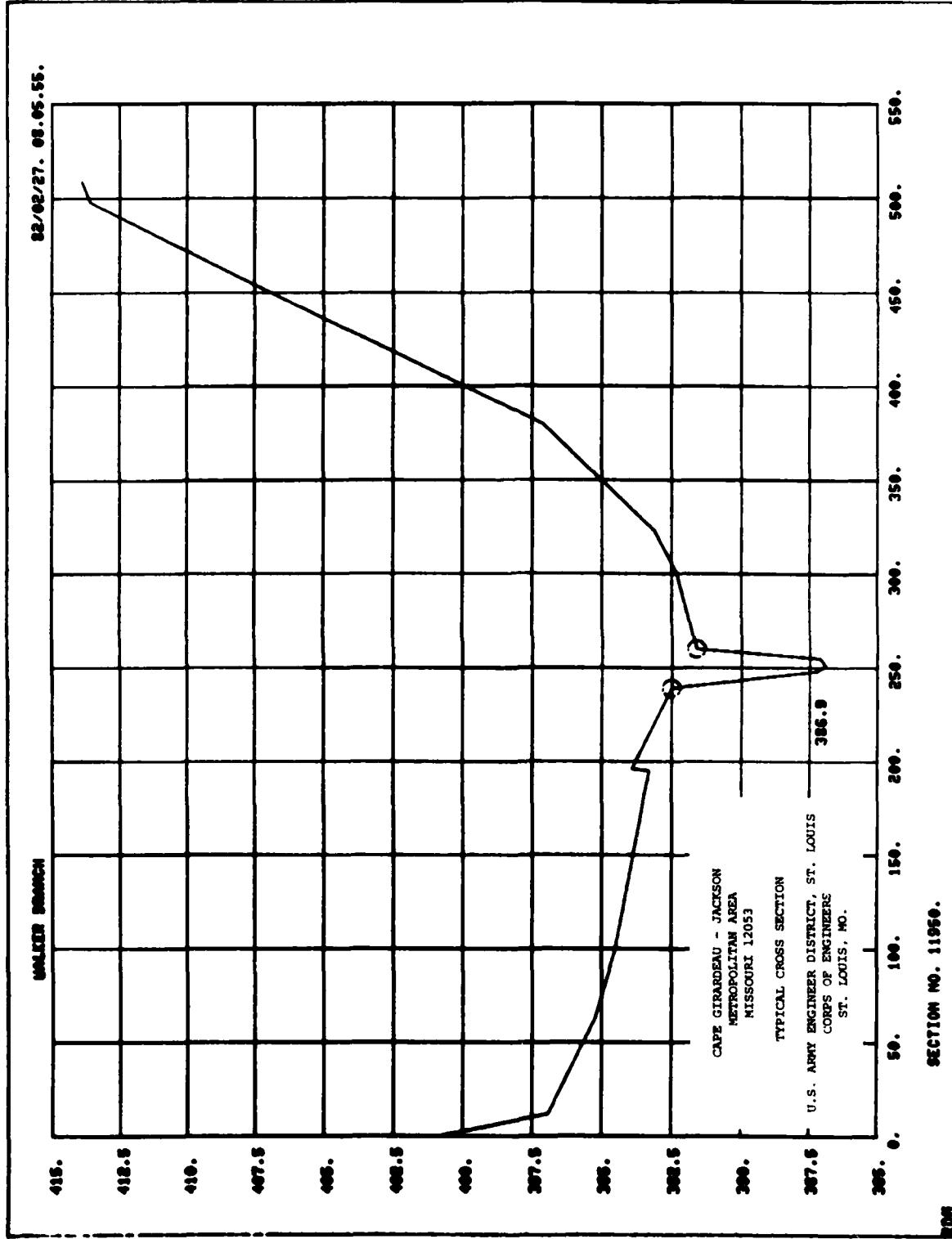
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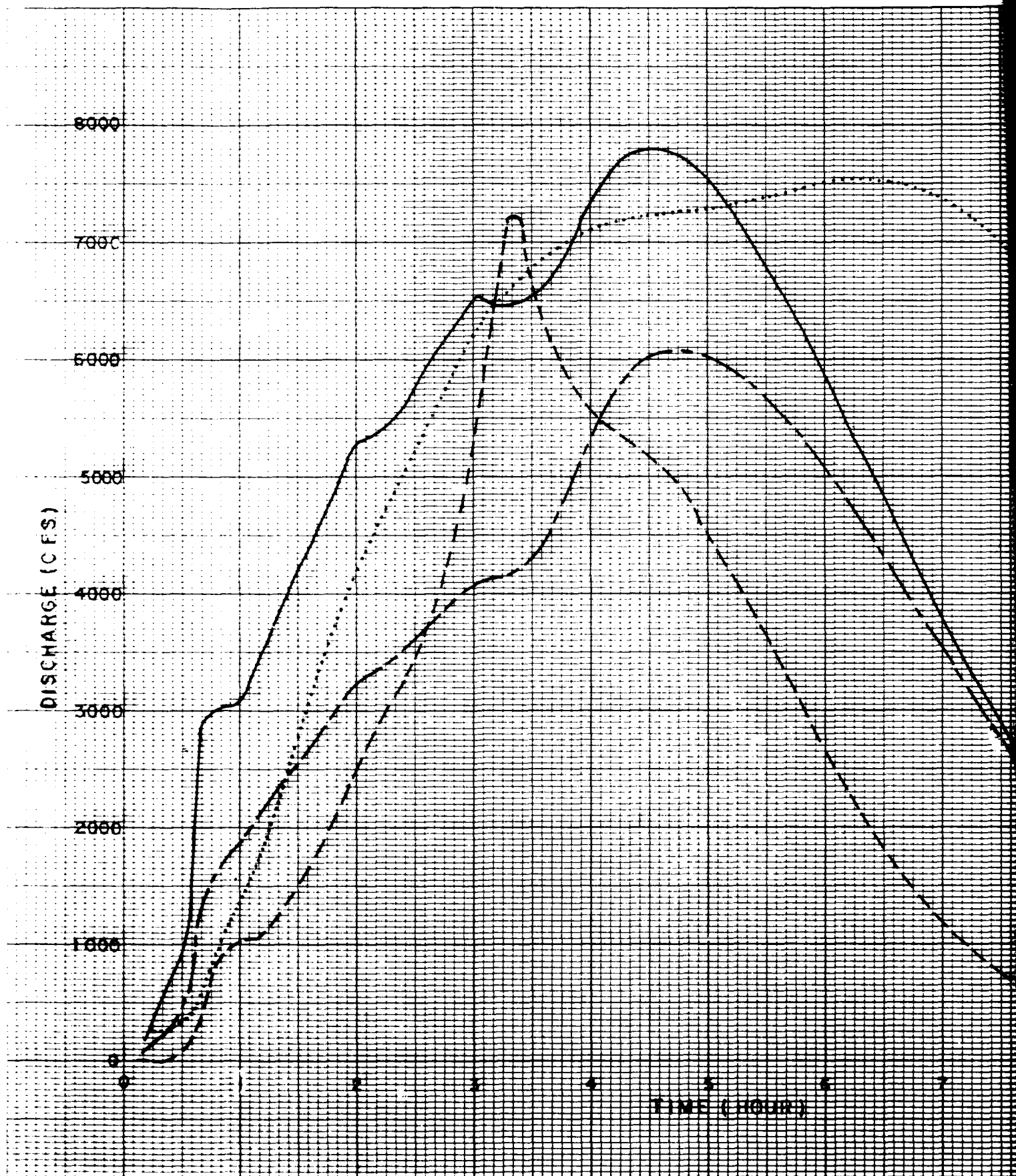
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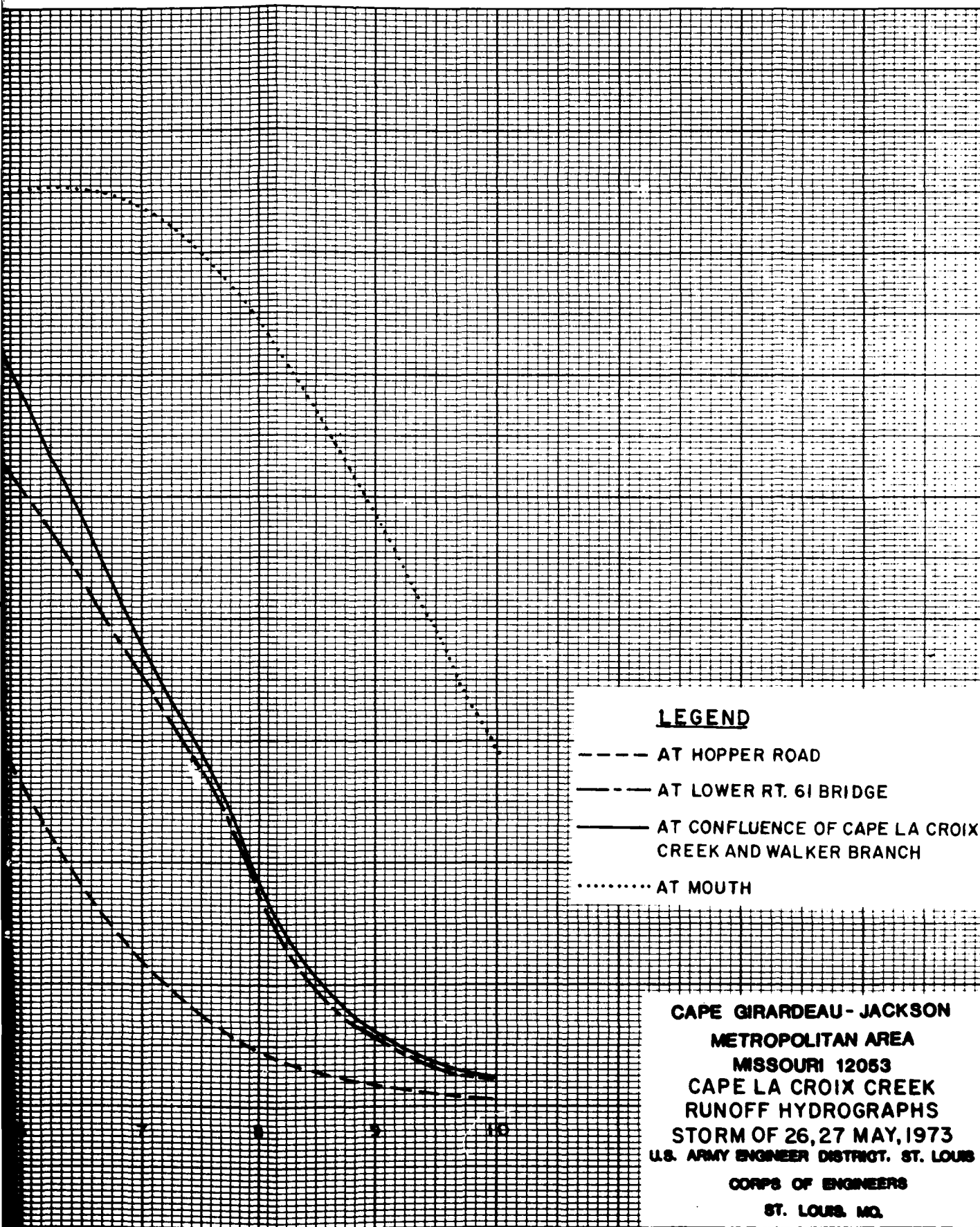


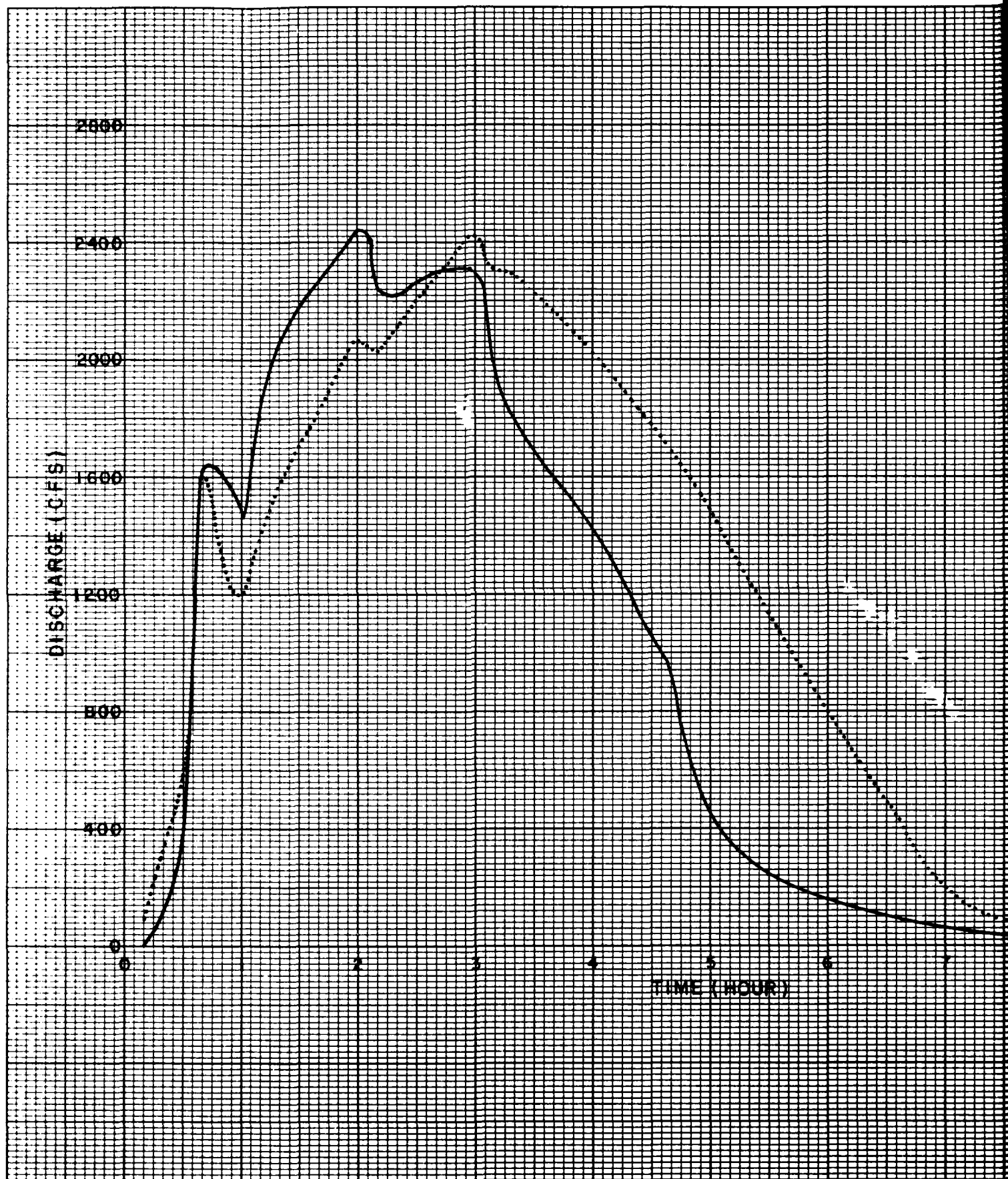
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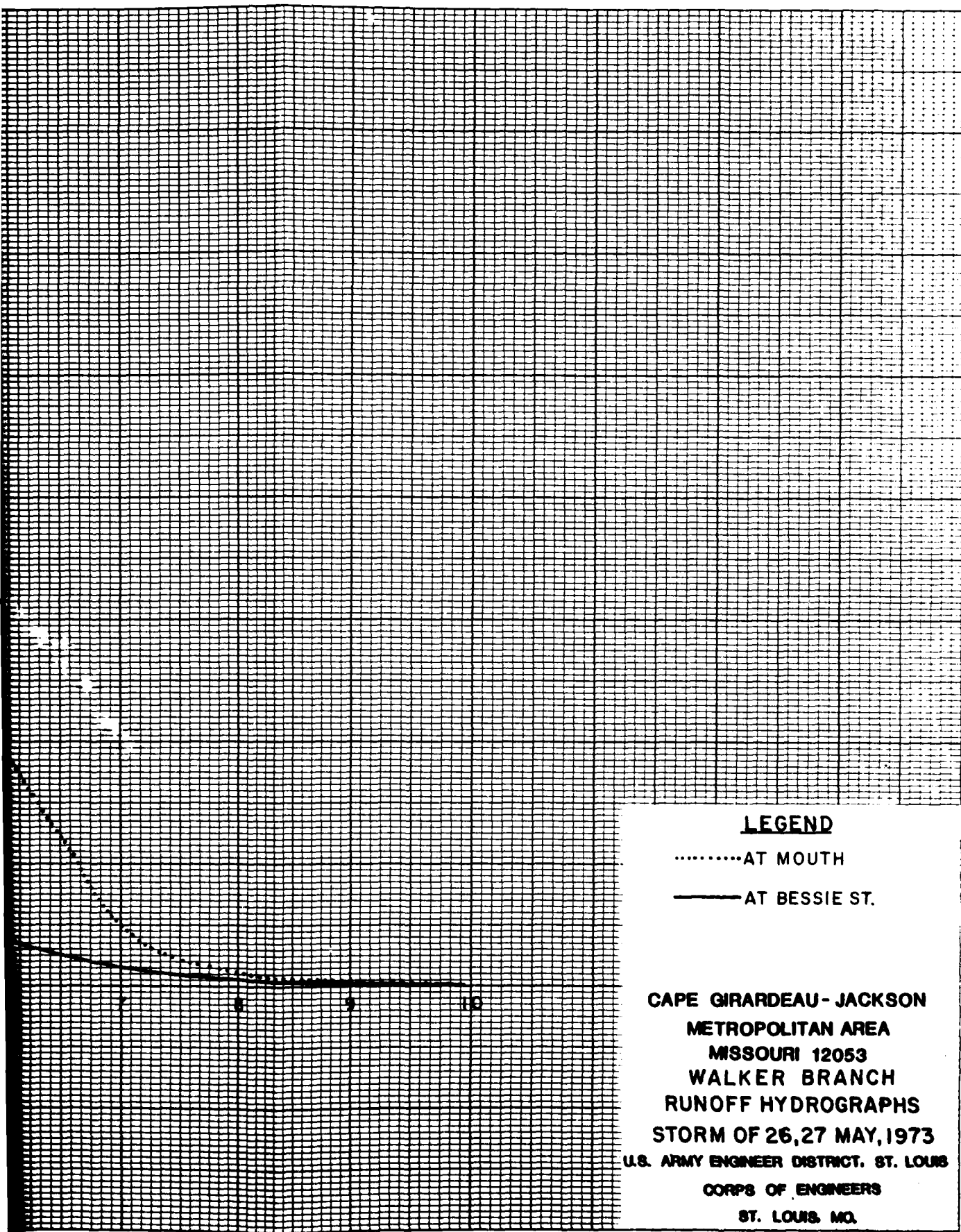
PLATE D-11











LEGEND

.....AT MOUTH

—— AT BESSIE ST.

CAPE GIRARDEAU - JACKSON

METROPOLITAN AREA

MISSOURI 12053

WALKER BRANCH

RUNOFF HYDROGRAPHS

STORM OF 26,27 MAY, 1973

U.S. ARMY ENGINEER DISTRICT. ST. LOUIS

CORPS OF ENGINEERS

ST. LOUIS, MO.

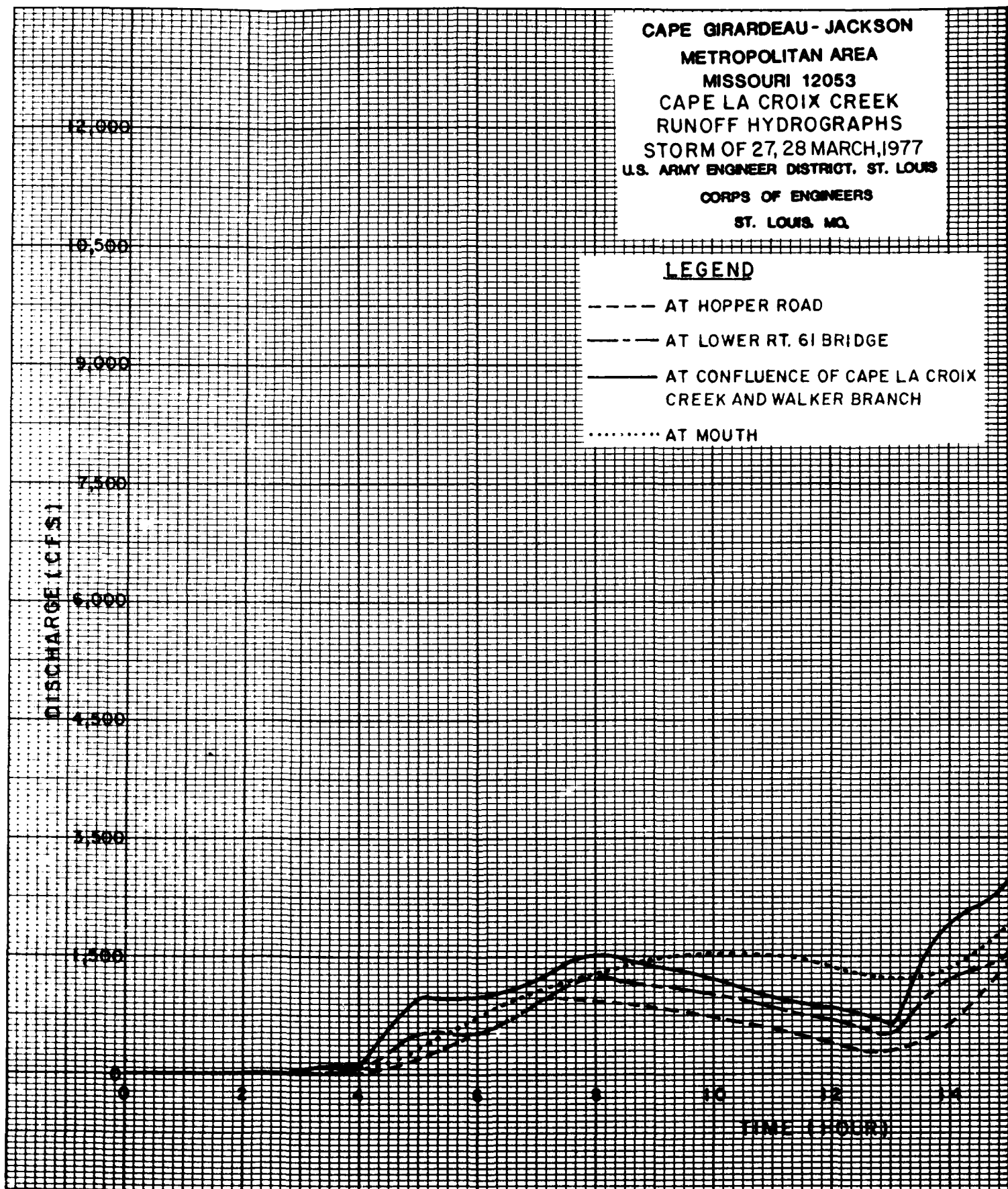
PLATE D-14

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CAPE GIRARDEAU - JACKSON
 METROPOLITAN AREA
 MISSOURI 12053
 CAPE LA CROIX CREEK
 RUNOFF HYDROGRAPHS
 STORM OF 27, 28 MARCH, 1977
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.

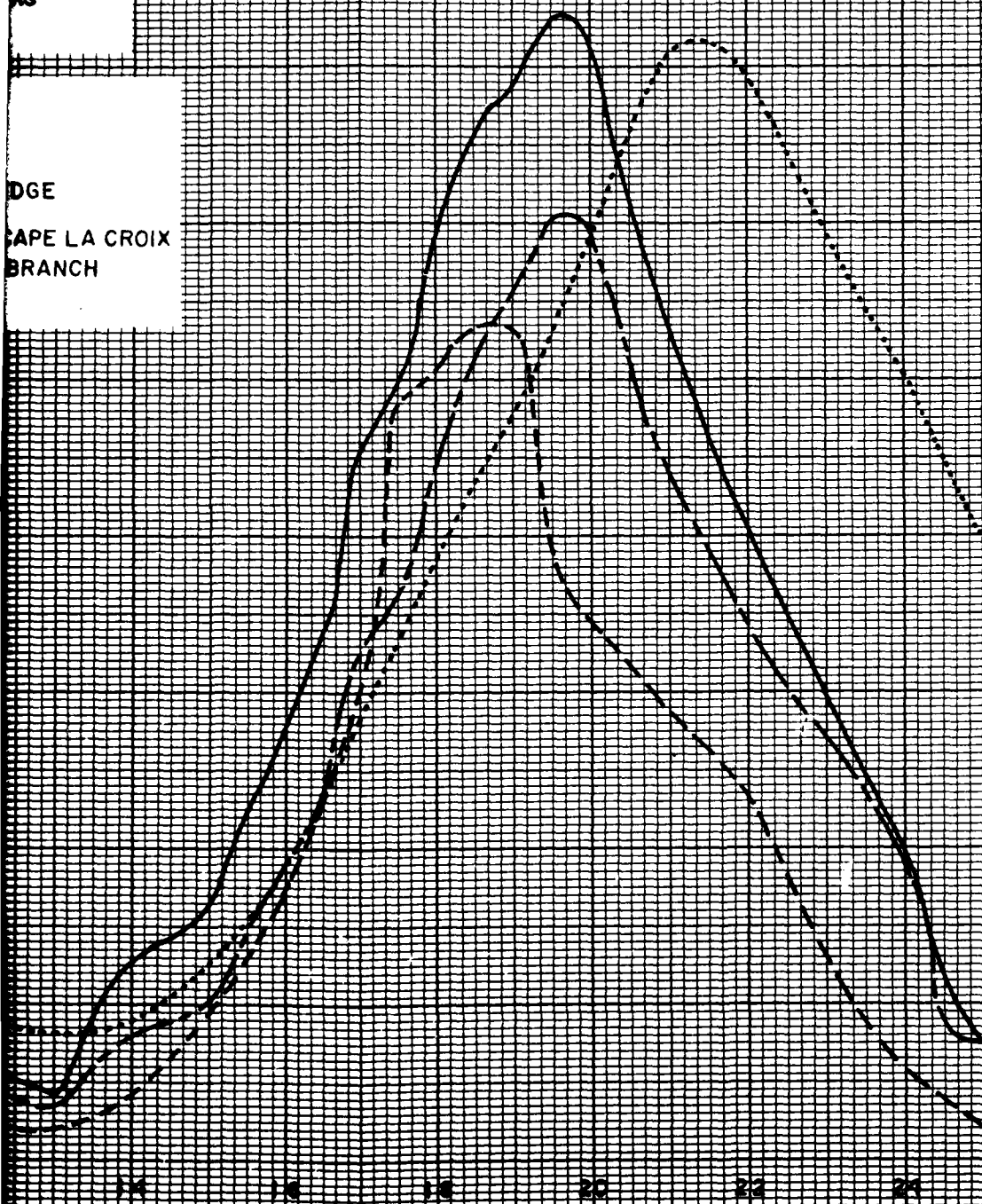
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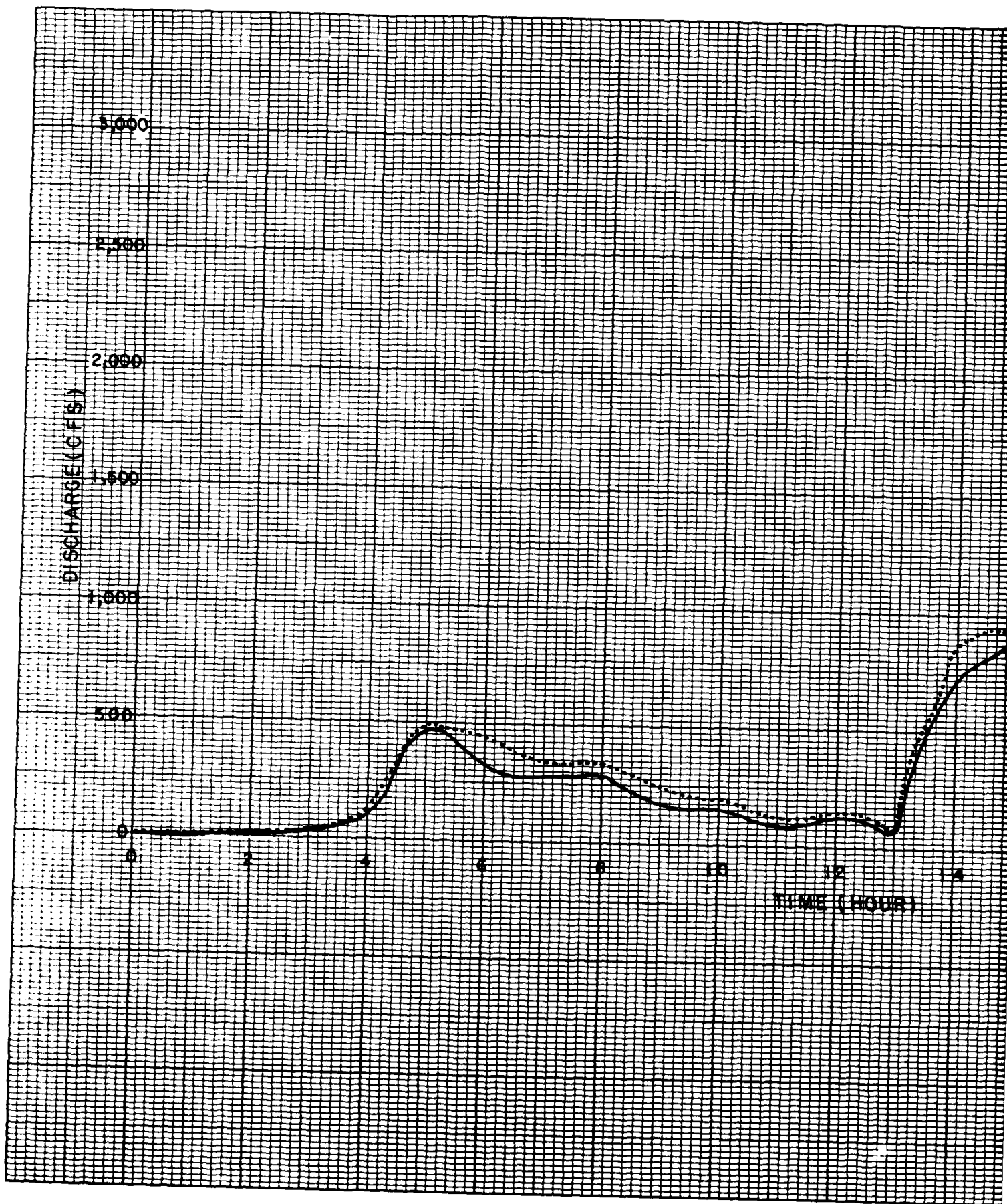
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- AT LOWER RT. 61 BRIDGE
- AT CONFLUENCE OF CAPE LA CROIX CREEK AND WALKER BRANCH
- AT MOUTH

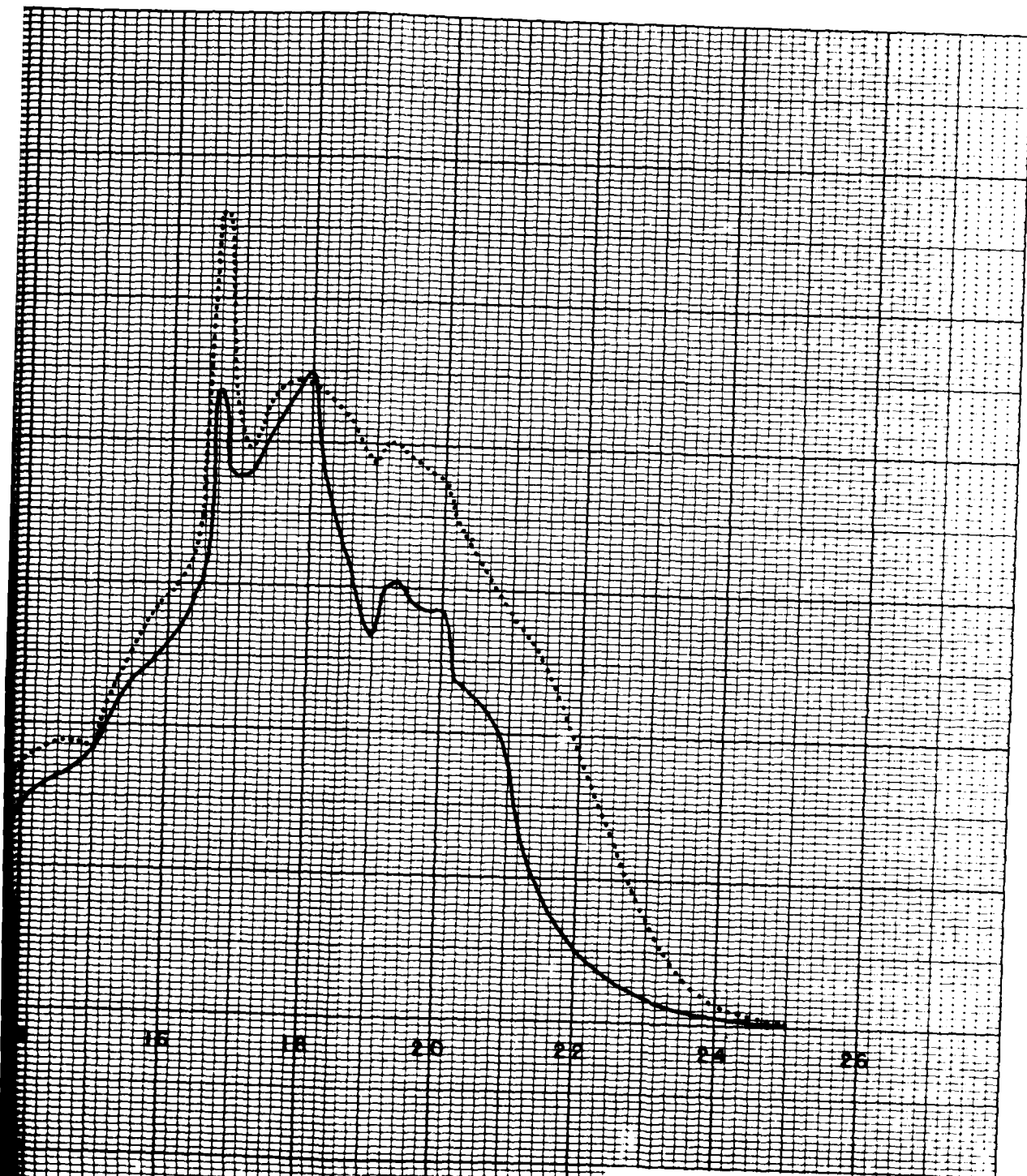


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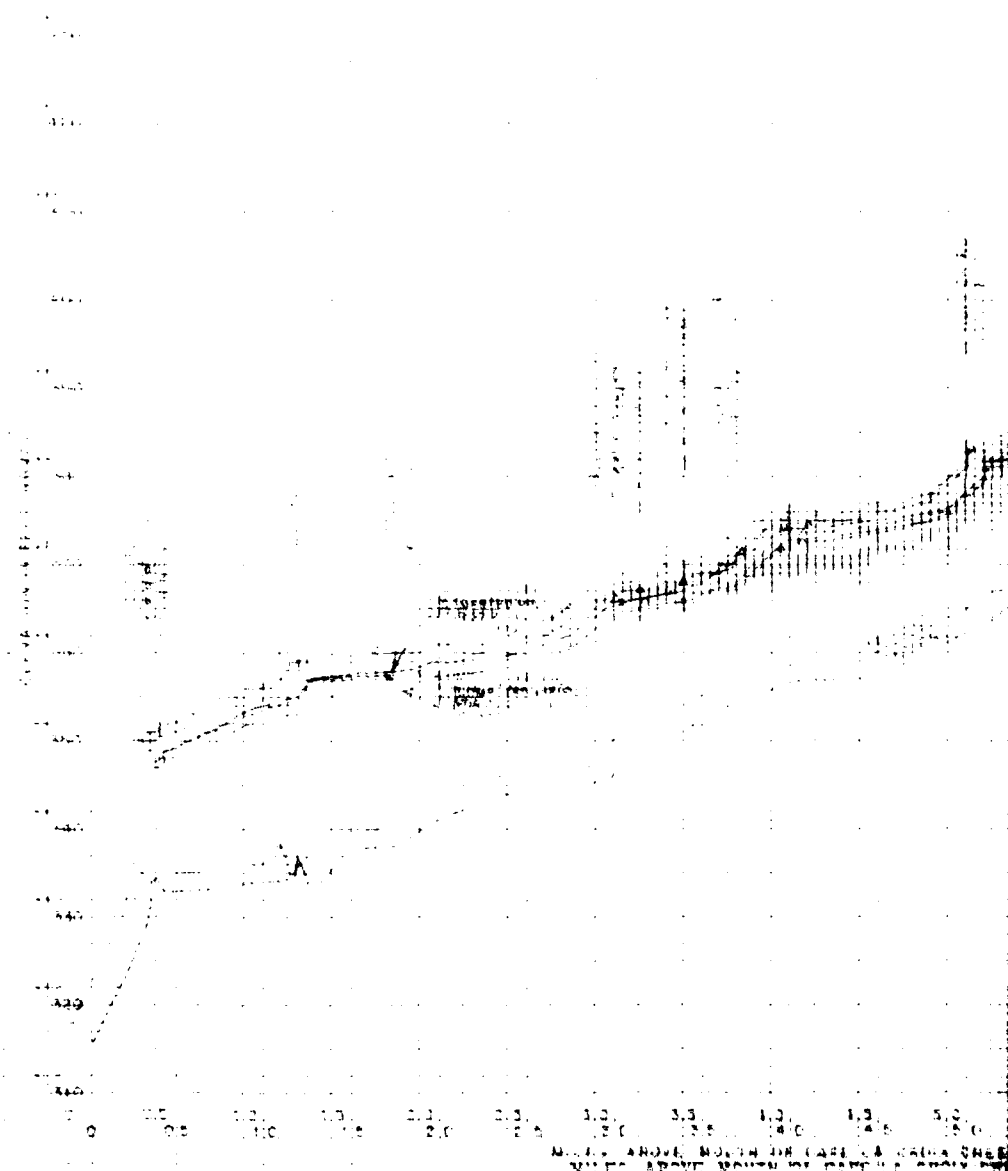
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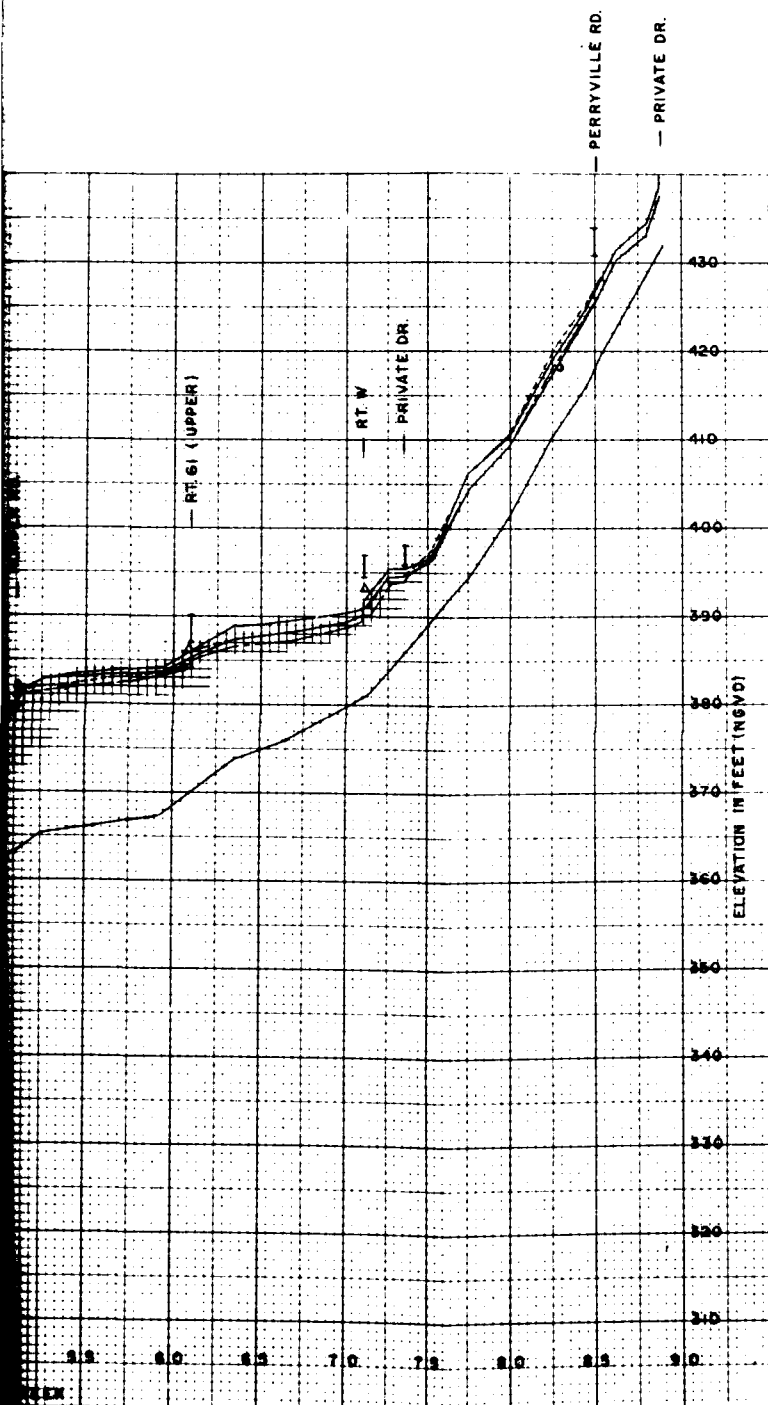
.....AT MOUTH

——AT BESSIE ST.

CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053
WALKER BRANCH
RUNOFF HYDROGRAPHS
STORM OF 27,28 MARCH, 1977
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATED-16





LEGEND

△ ACTUAL HIGH WATER MARKS
FOR 27, 28 MARCH, 1977

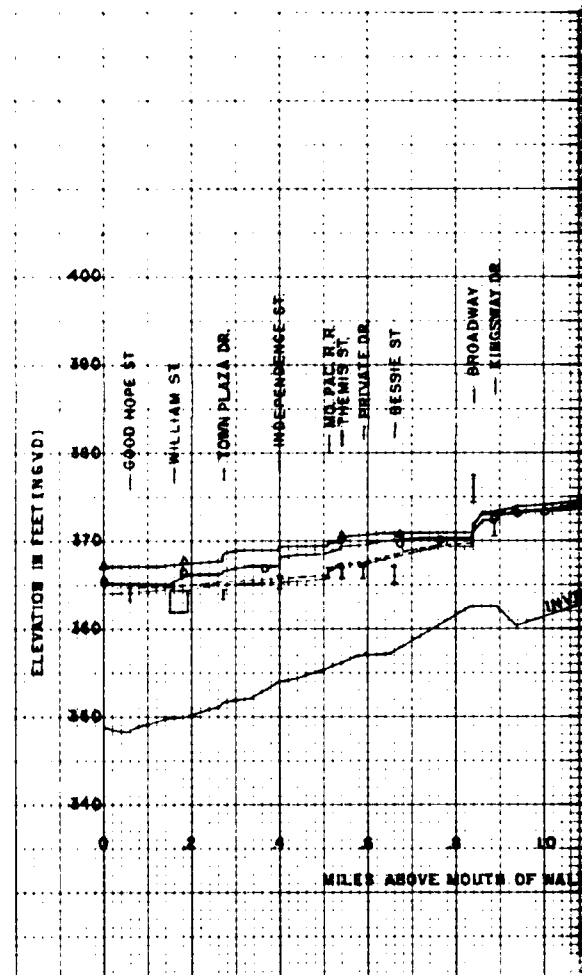
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FOR 26, 27 MAY, 1973

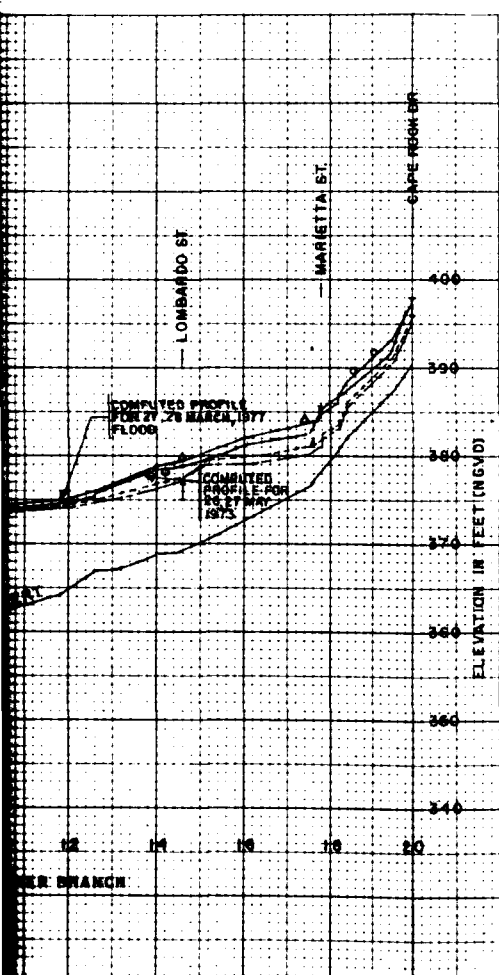
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1977 FLOOD FLOOD W/REVISED NED
PLAN

———— COMPUTED PROFILE FOR 26, 27 MAY,
1973 FLOOD FLOOD W/REVISED NED
PLAN

CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12000
WATER SURFACE PROFILES
CAPE LA CROIX CREEK

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
GROUP OF ENGINEERS
ST. LOUIS, MO.





LEGEND

△ ACTUAL HIGH WATER MARKS
FOR 27, 28 MARCH, 1977

○ ACTUAL HIGH WATER MARKS
FOR 26, 27 MAY, 1973

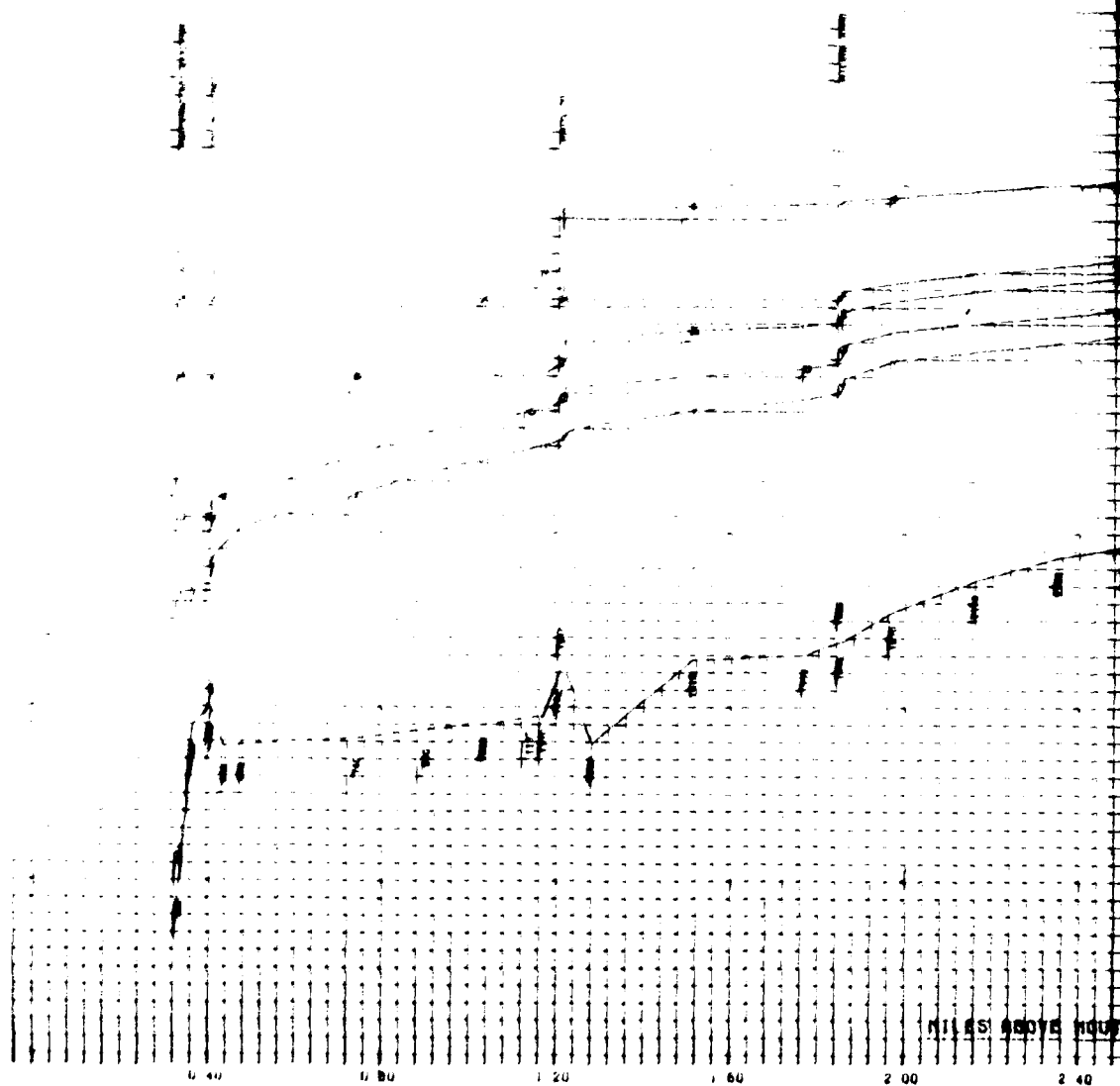
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----- COMPUTED PROFILE FOR 26, 27 MAY,
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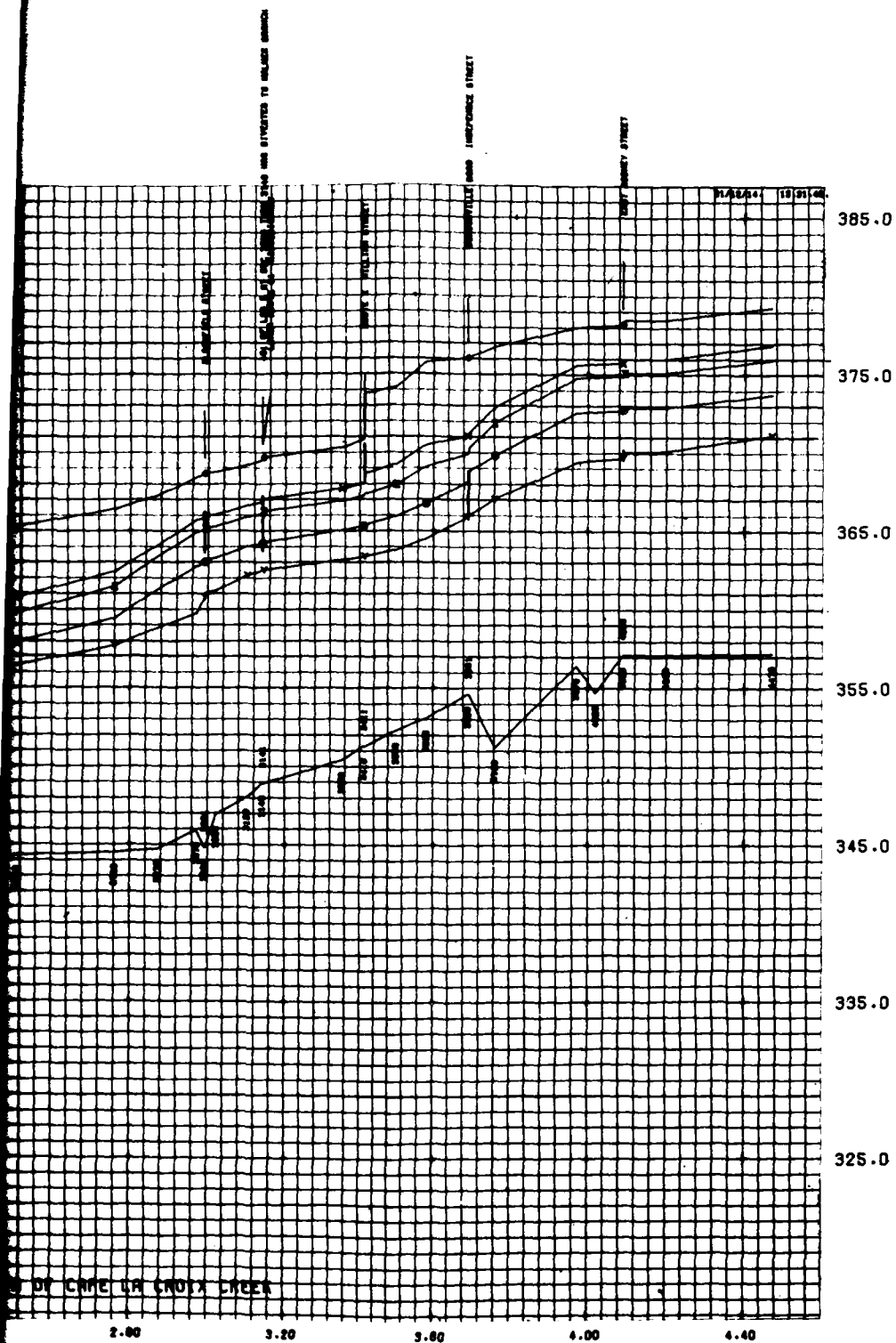
CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12063

WATER SURFACE PROFILES WALKER BRANCH

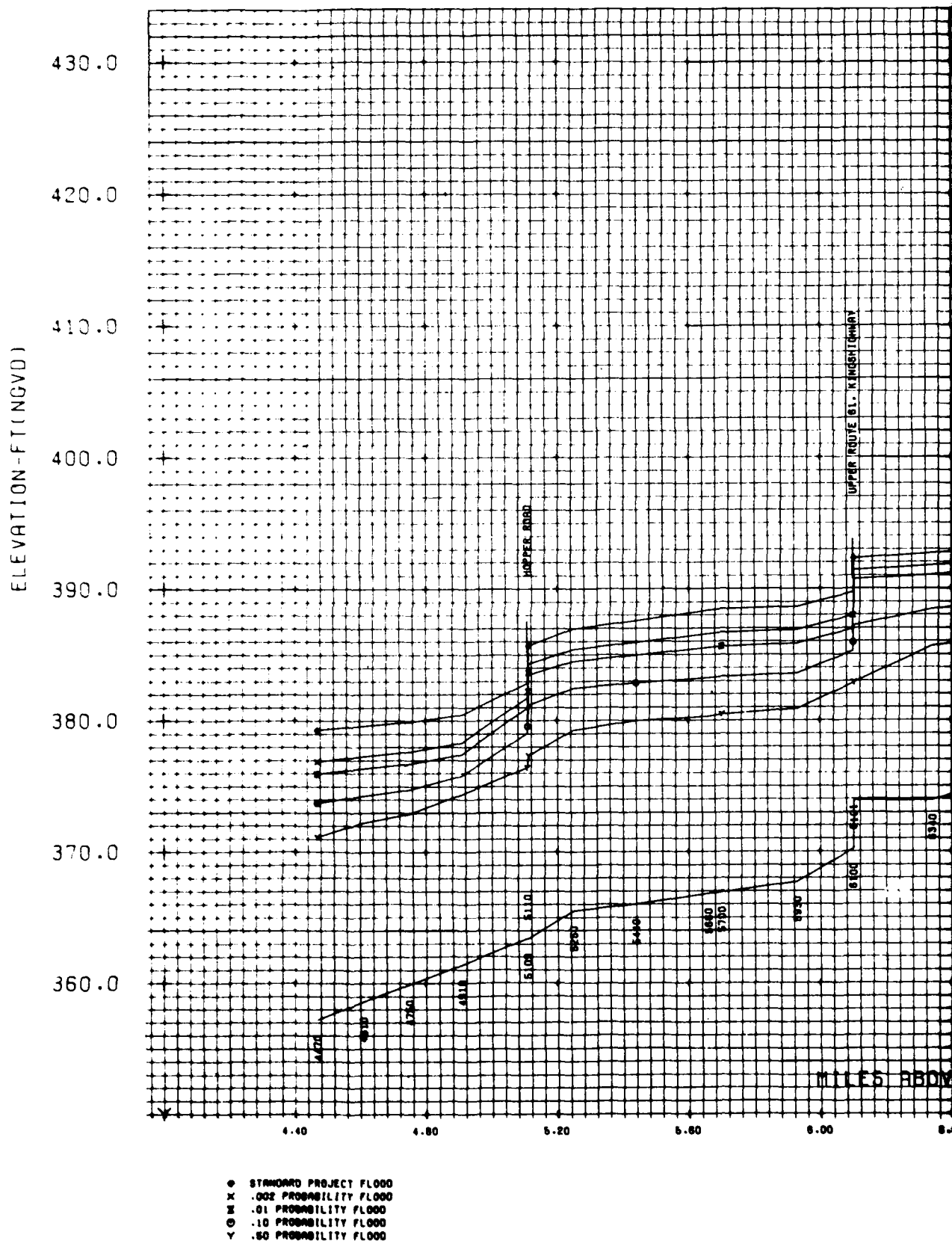
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CORPS OF ENGINEERS
ST. LOUIS, MO.

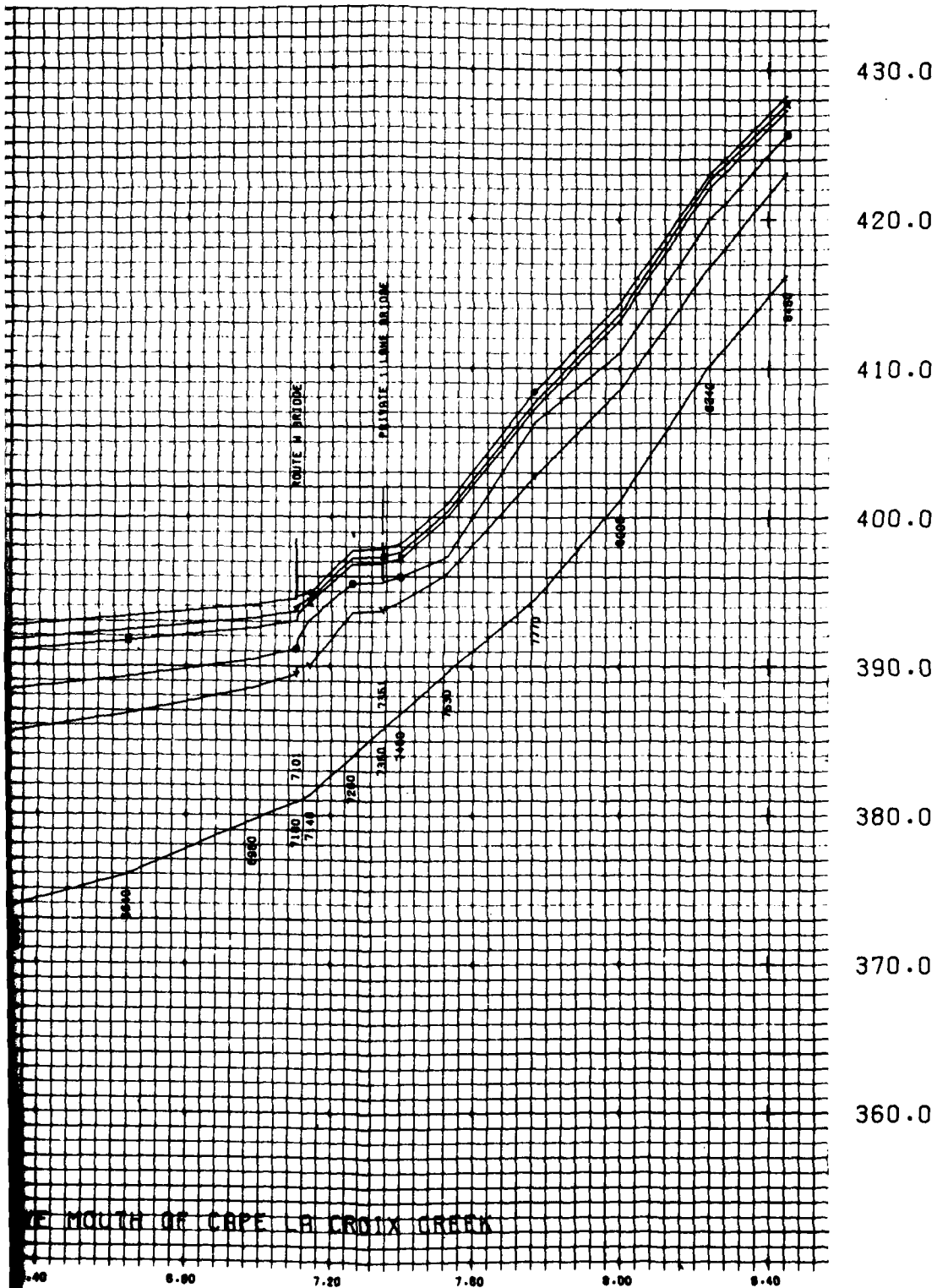


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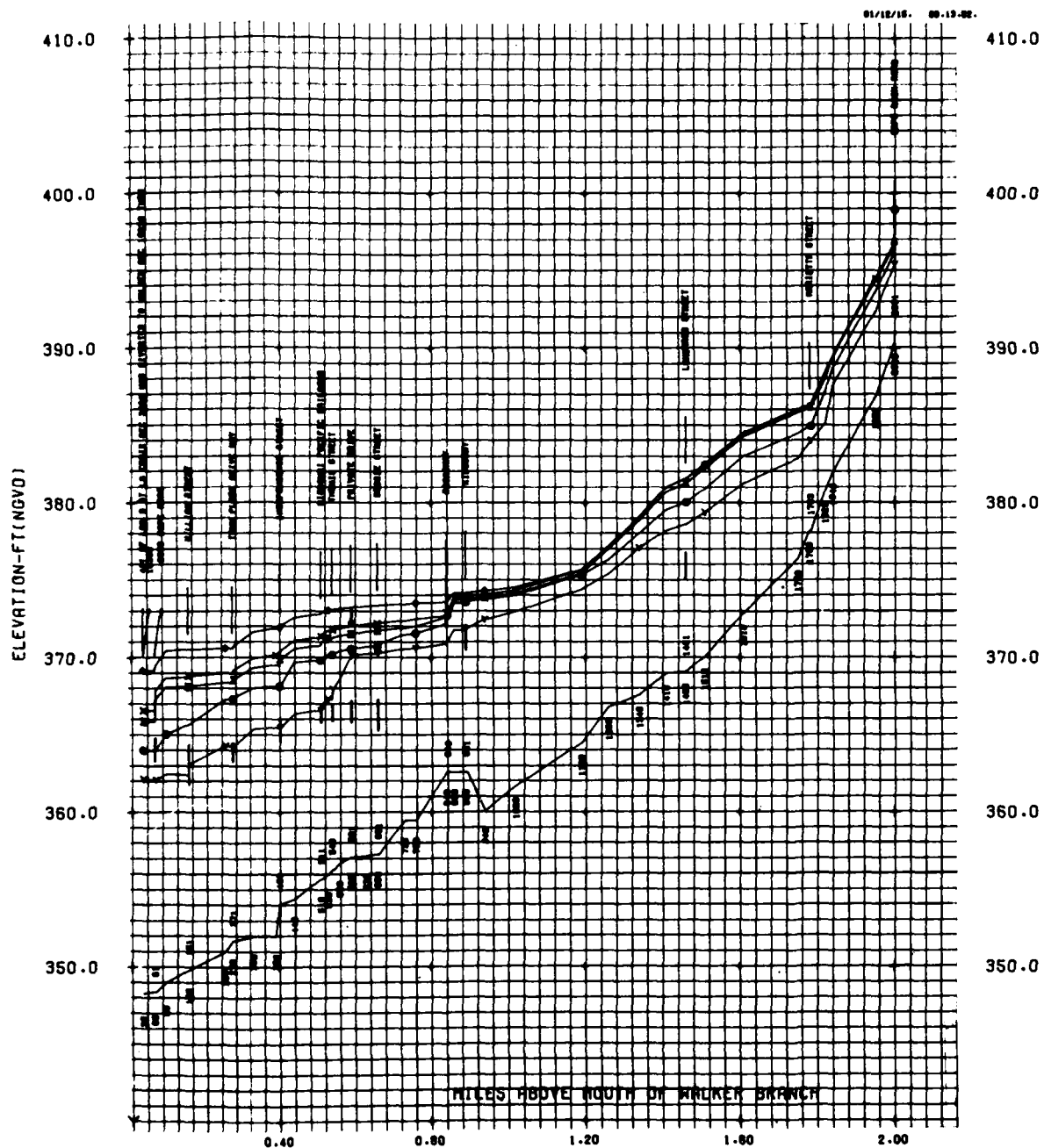
CAPE GRAND - JACKSON
METROPOLITAN AREA
MISSOURI 1953
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.





THE MOUTH OF CAPE LA CROIX CREEK

CAPE GRAND - JACKSON
METROPOLITAN AREA
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



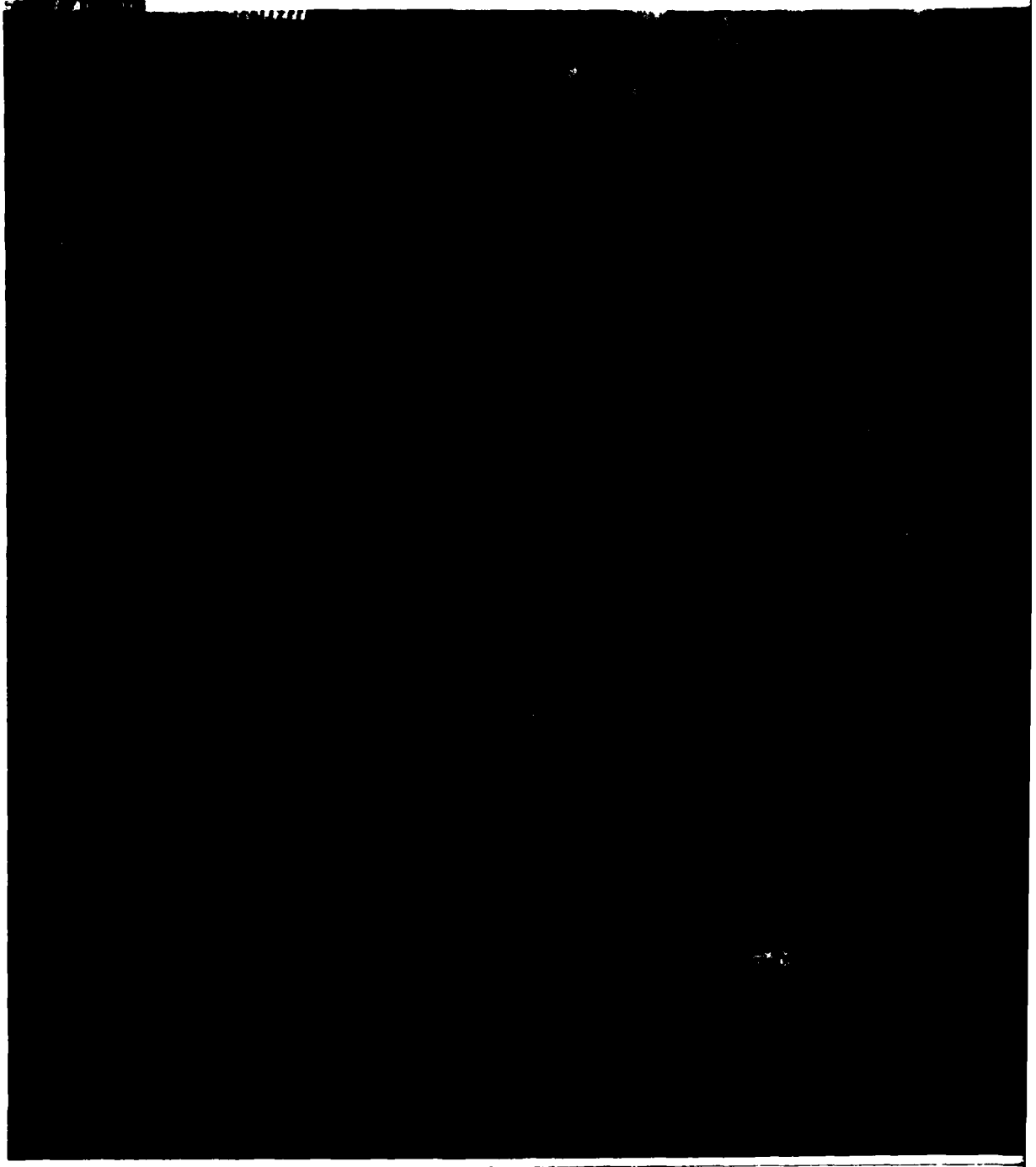
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- △ .50 PROBABILITY FLOOD

CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
NOVEMBER 1963
**WATER SURFACE PROFILES
WALKER BRANCH**
FUTURE W/O PROJECT
U.S. ARMY CORP. OF ENGINEERS, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

ST. LOUIS, MO.

PLATE D-14

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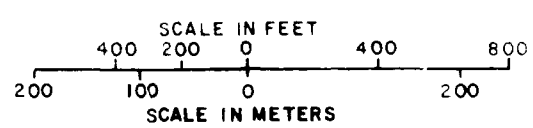
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LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

CORPS OF ENGINEERS

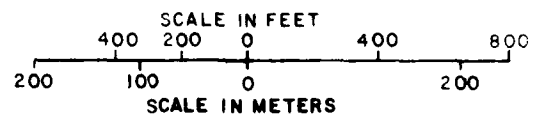


U S ARMY



LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-23

2

CORPS OF ENGINEERS

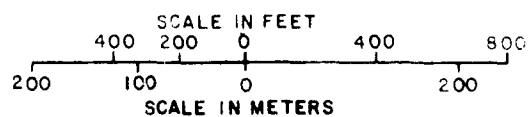




LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-24

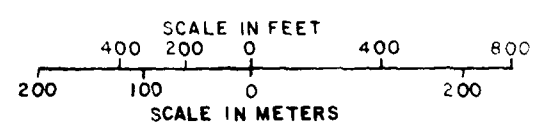
2





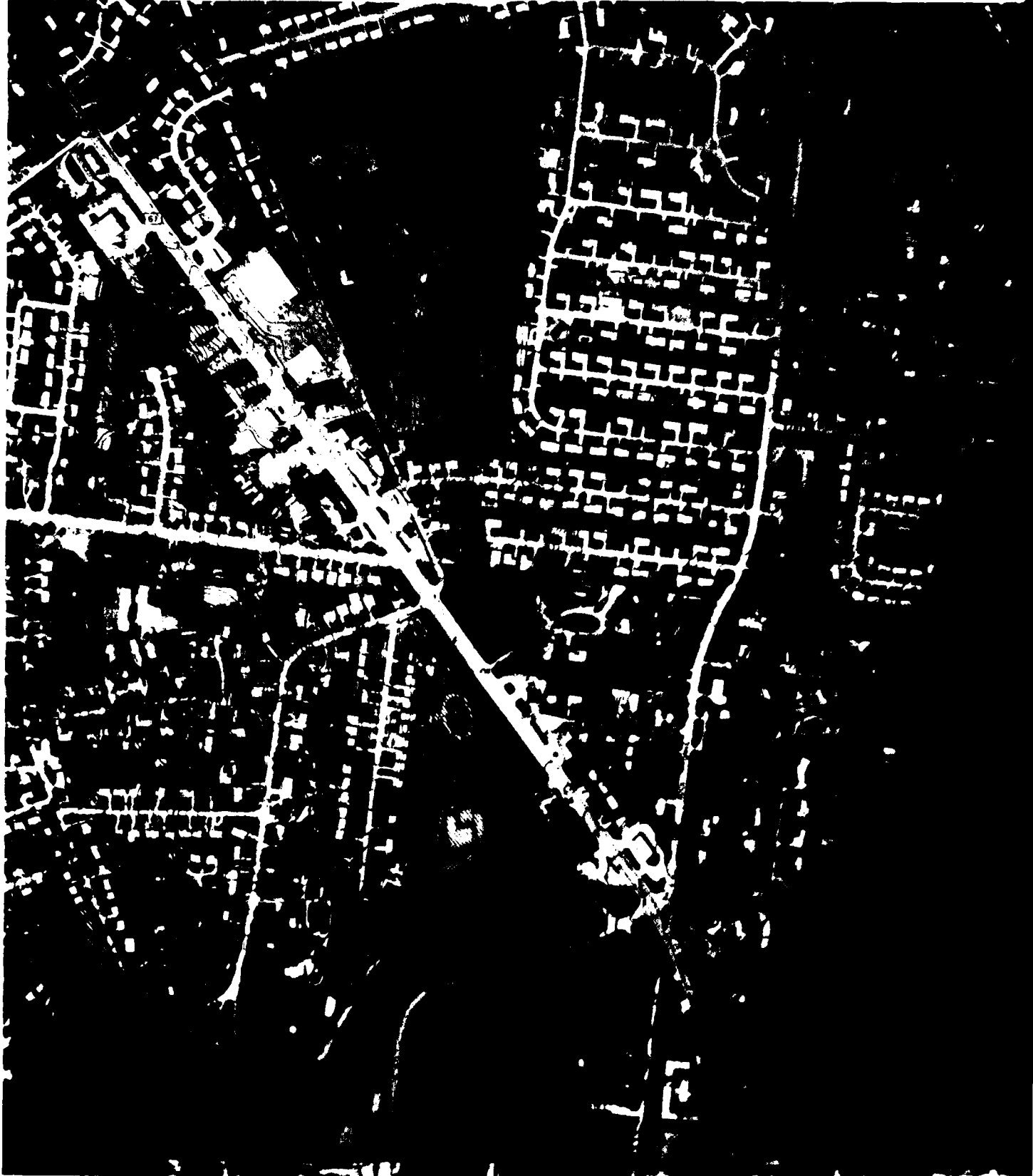
LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
WALKER BRANCH
FLOODED AREAS
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

CORPS OF ENGINEERS



U.S. ARMY

N.



LEGEND



10% PROBABILITY

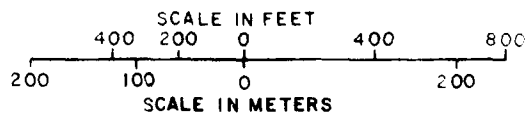


1% PROBABILITY



STANDARD PROJECT FLOOD

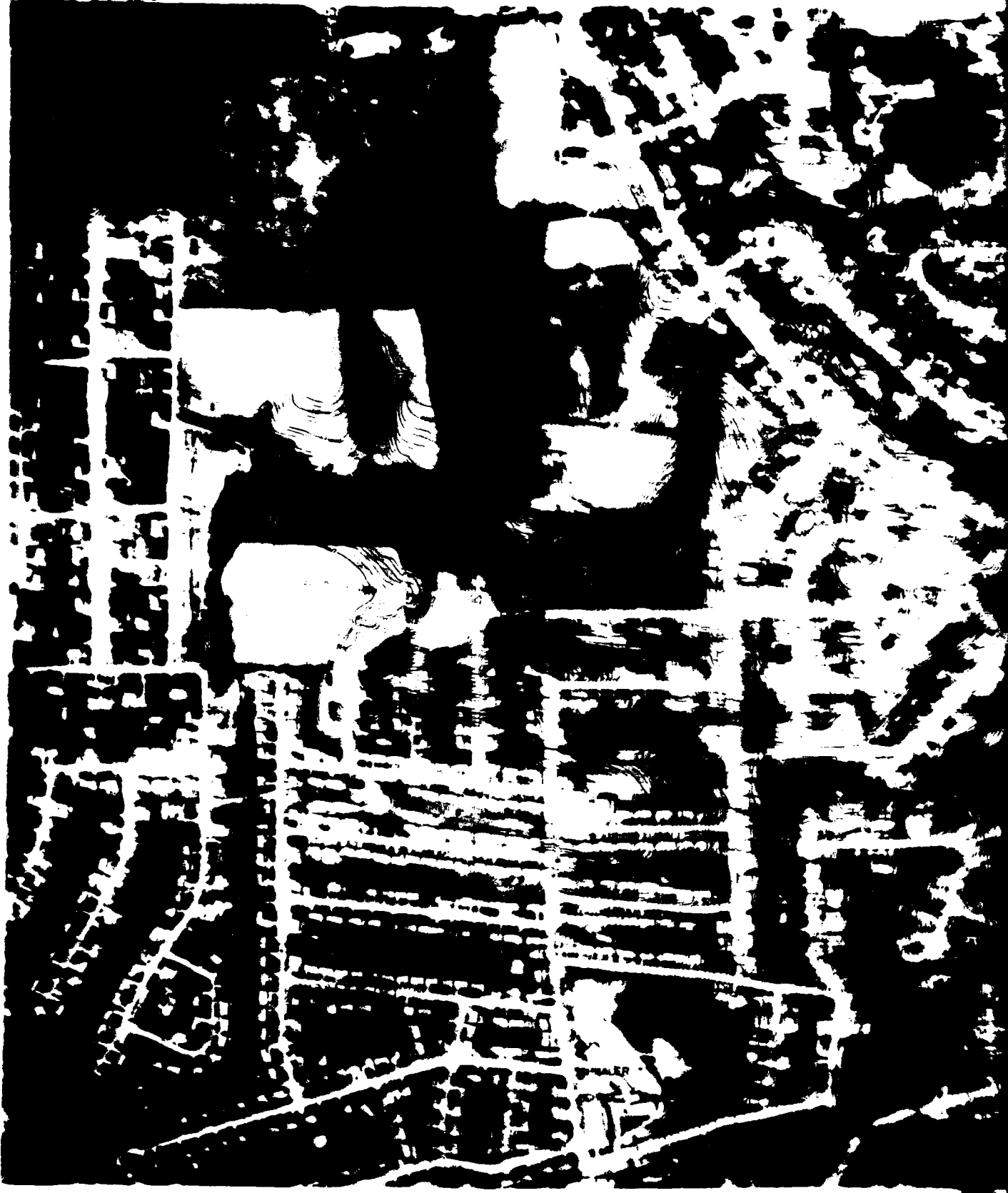
10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

CORPS OF ENGINEERS

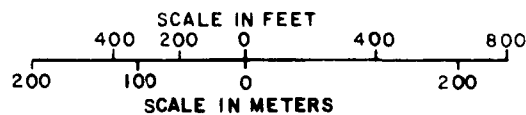


U. S. ARMY



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD
- 10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

**WALKER BRANCH
FLOODED AREAS**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

CHPS OF ENGINEERS



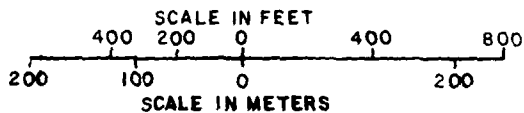


U.S. ARMY



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-28

2



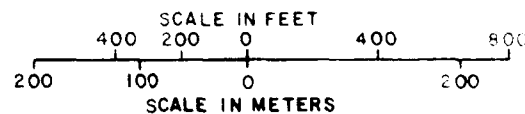
U.S. ARMY

N.



LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-29

2

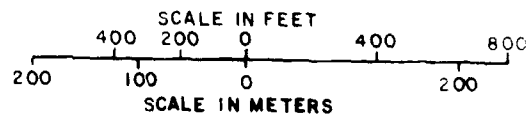


U.S. ARMY



LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

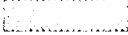
PLATE D-30

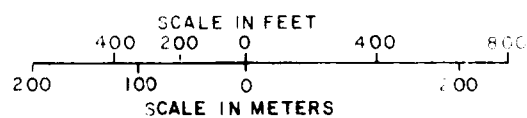
2





LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10 M MILE



CAPE GIRARDEAU JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO

PLATE D-31

2

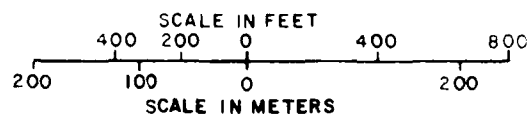


U. S. ARMY



LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10 M MILE



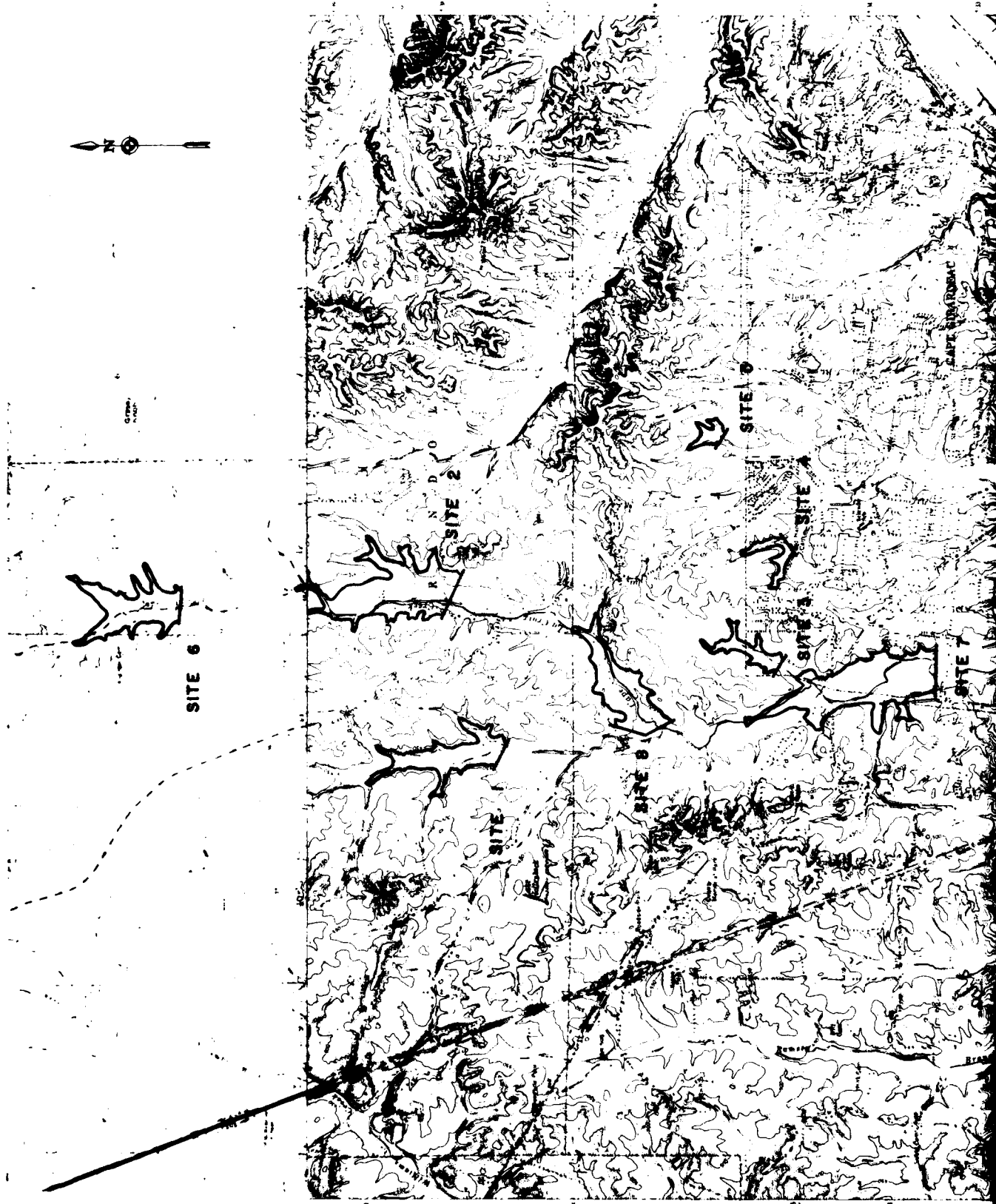
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

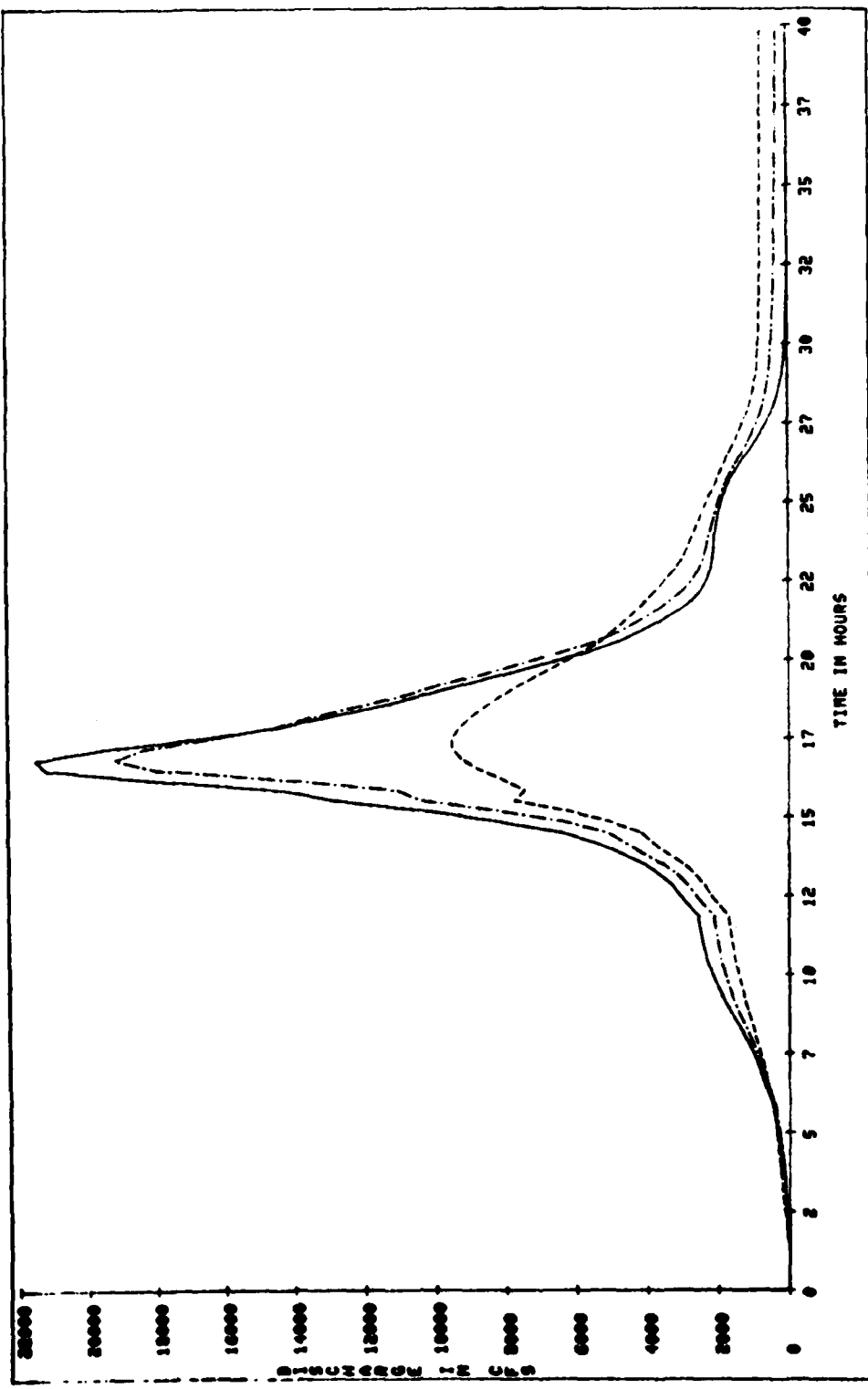
CAPE LA CROIX CREEK
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-32

2





CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

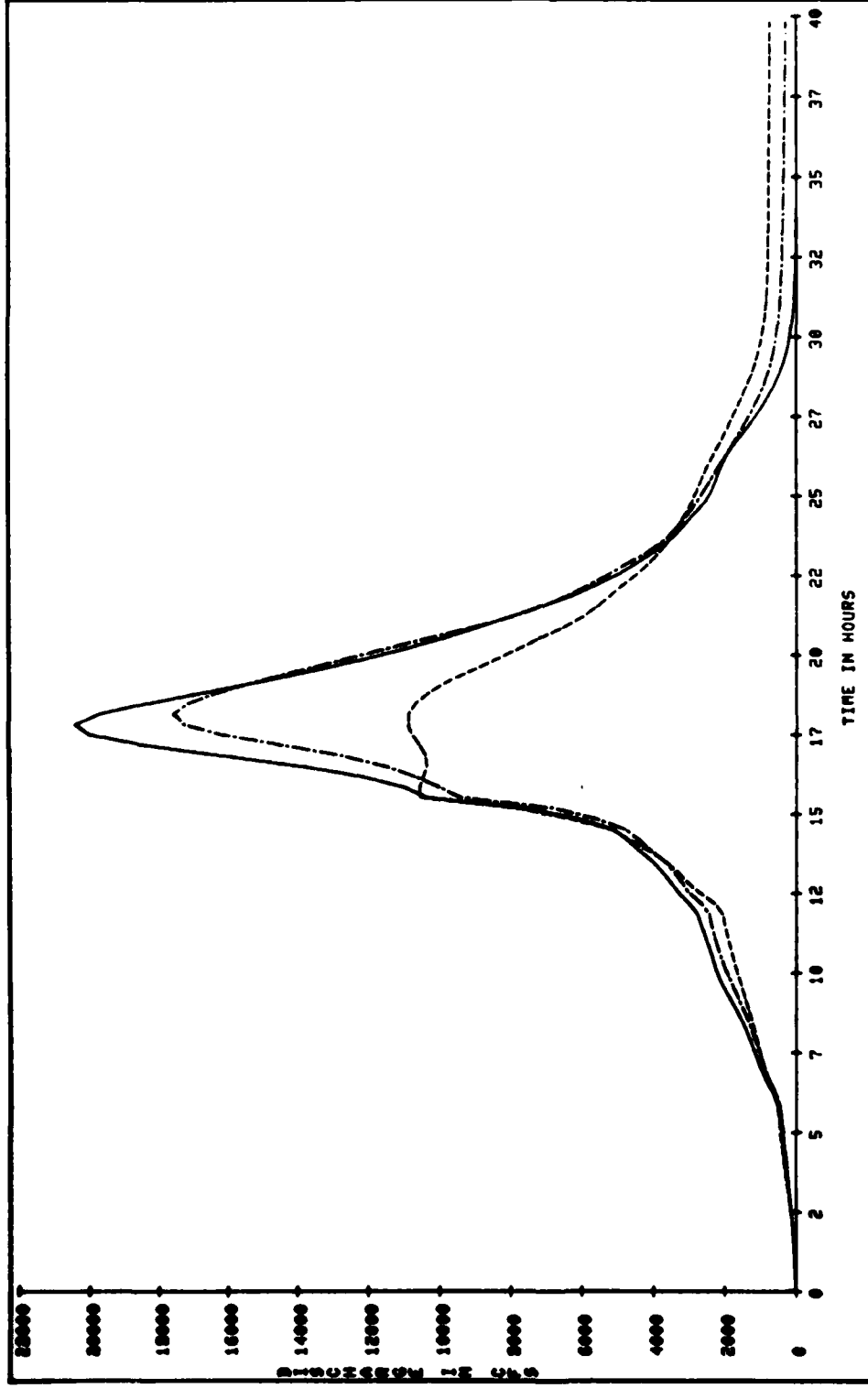
HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

SPF STORM FUTURE WITHOUT

SPF STORM FUTURE WITH RECOMMENDED PLAN

SPF STORM FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

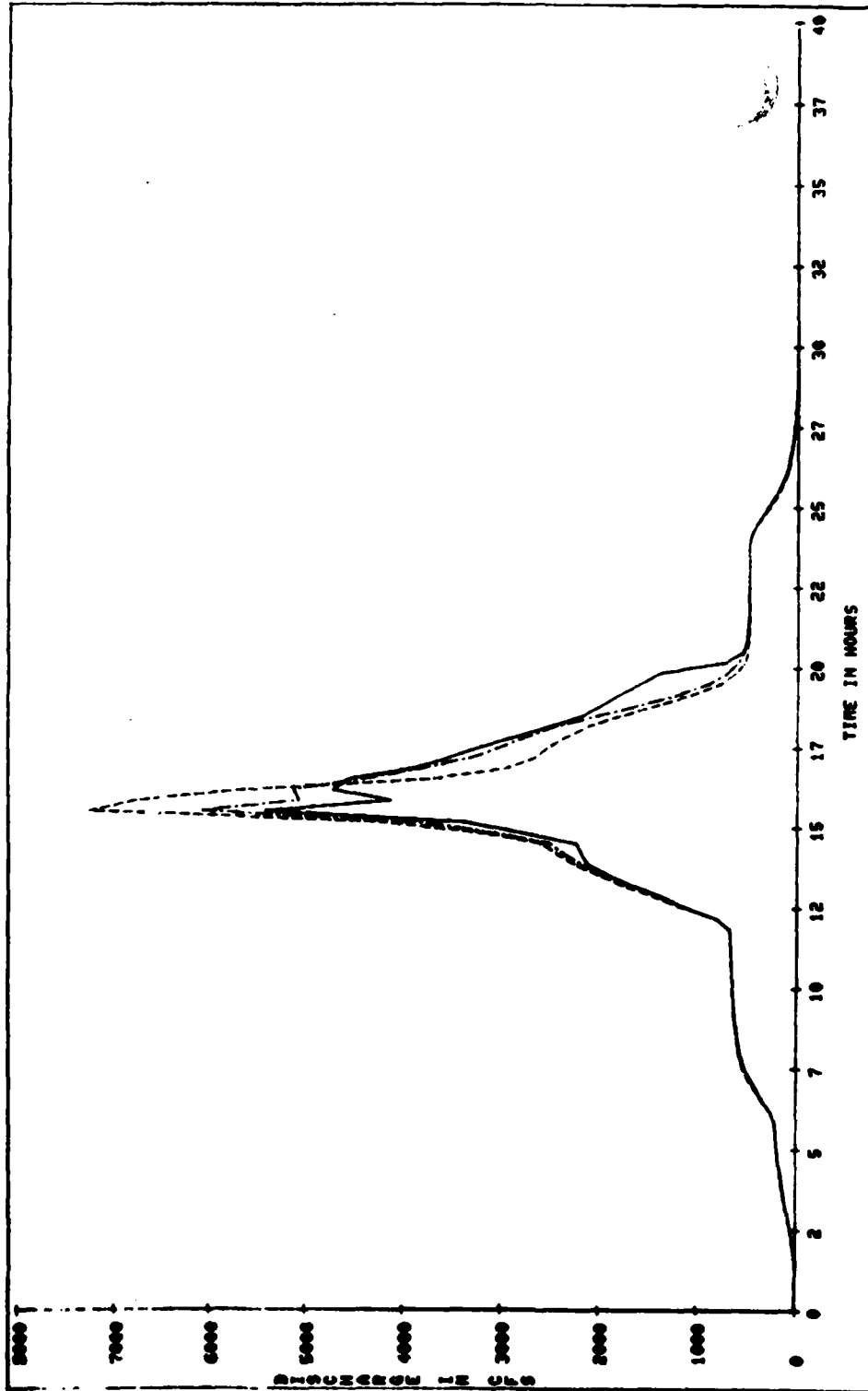
HYDROGRAPHS AT LOWER RT 61 BRIDGE

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— SPF STORM FUTURE WITHOUT

--- SPF STORM FUTURE WITH RECOMMENDED PLAN

--- SPF STORM FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12653

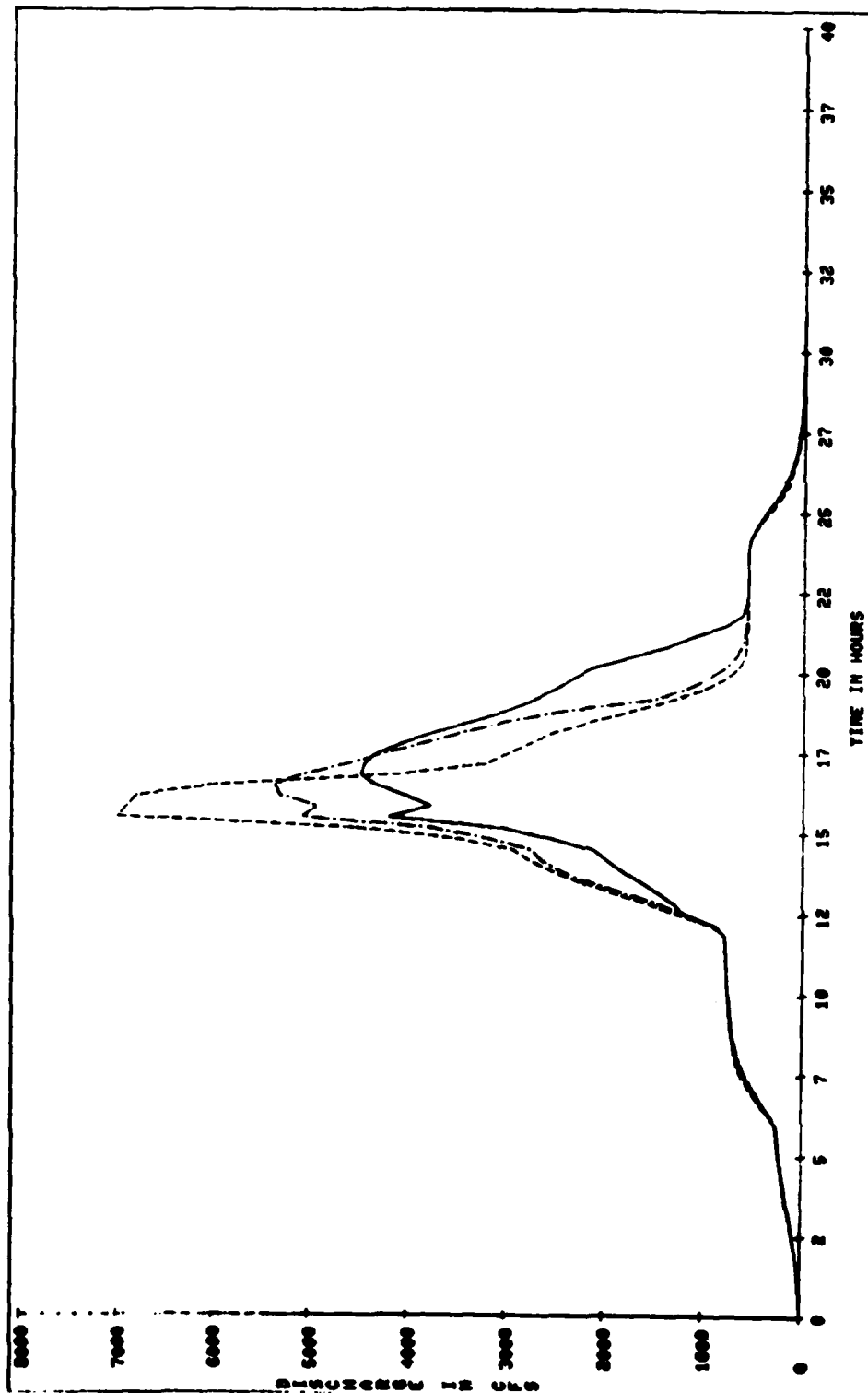
HYDROGRAPHS ON WALKER AT BESSIE ST. 2

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— SPF STORM FUTURE WITHOUT

- - - SPF STORM FUTURE WITH RECOMMENDED PLAN

... SPF STORM FUTURE WITH SPF PLAN

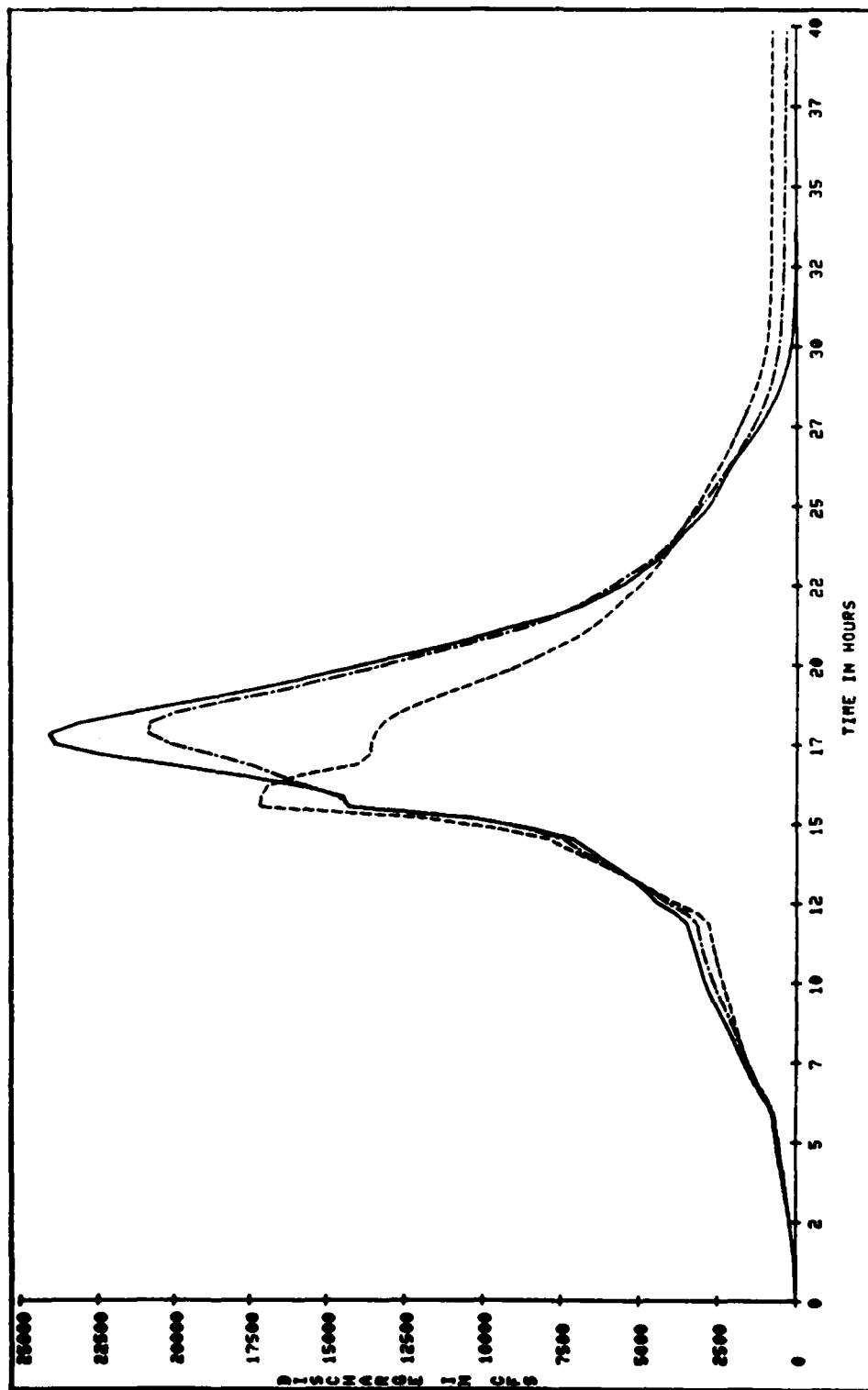


CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS ON WALKER AT MOUTH

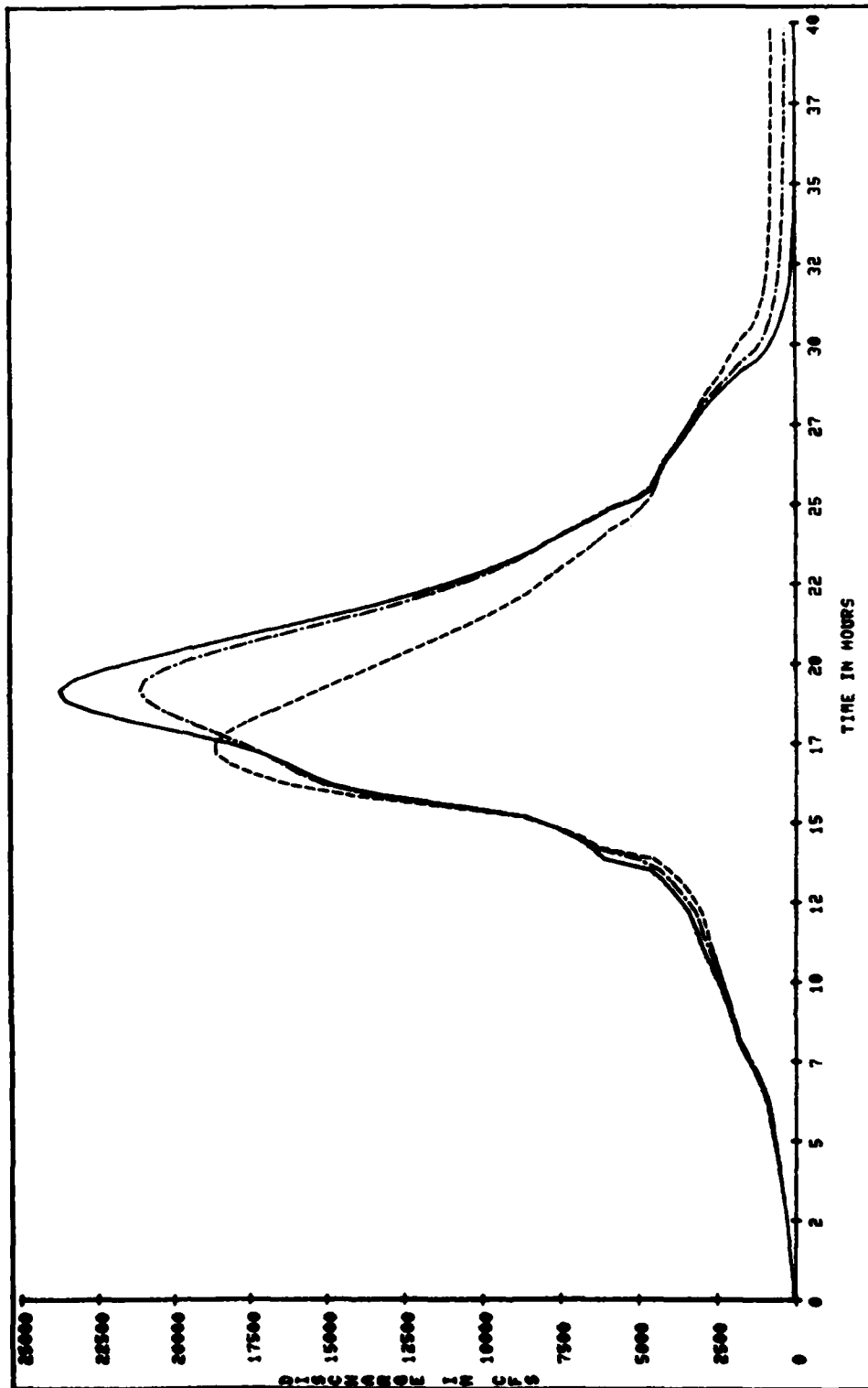
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-37



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12653

HYDROGRAPHS AT JCT. OF CAPE & VALLEY
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



SPF STORM FUTURE WITHOUT

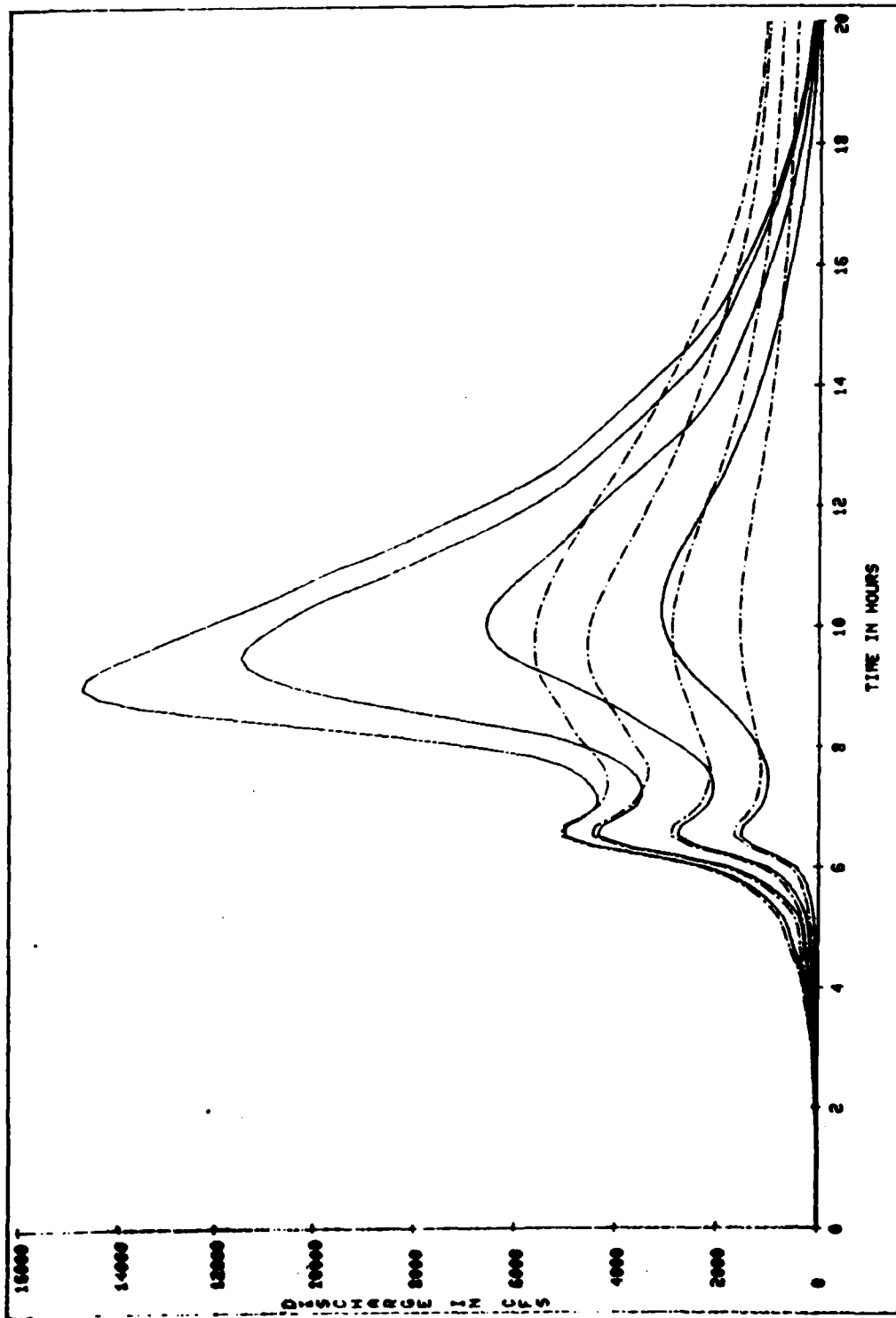
SPF STORM FUTURE WITH RECOMMENDED PLAN

SPF STORM FUTURE WITH SPF PLAN

CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS AT MOUTH OF CAPE LA CROIX
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
COMPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-39



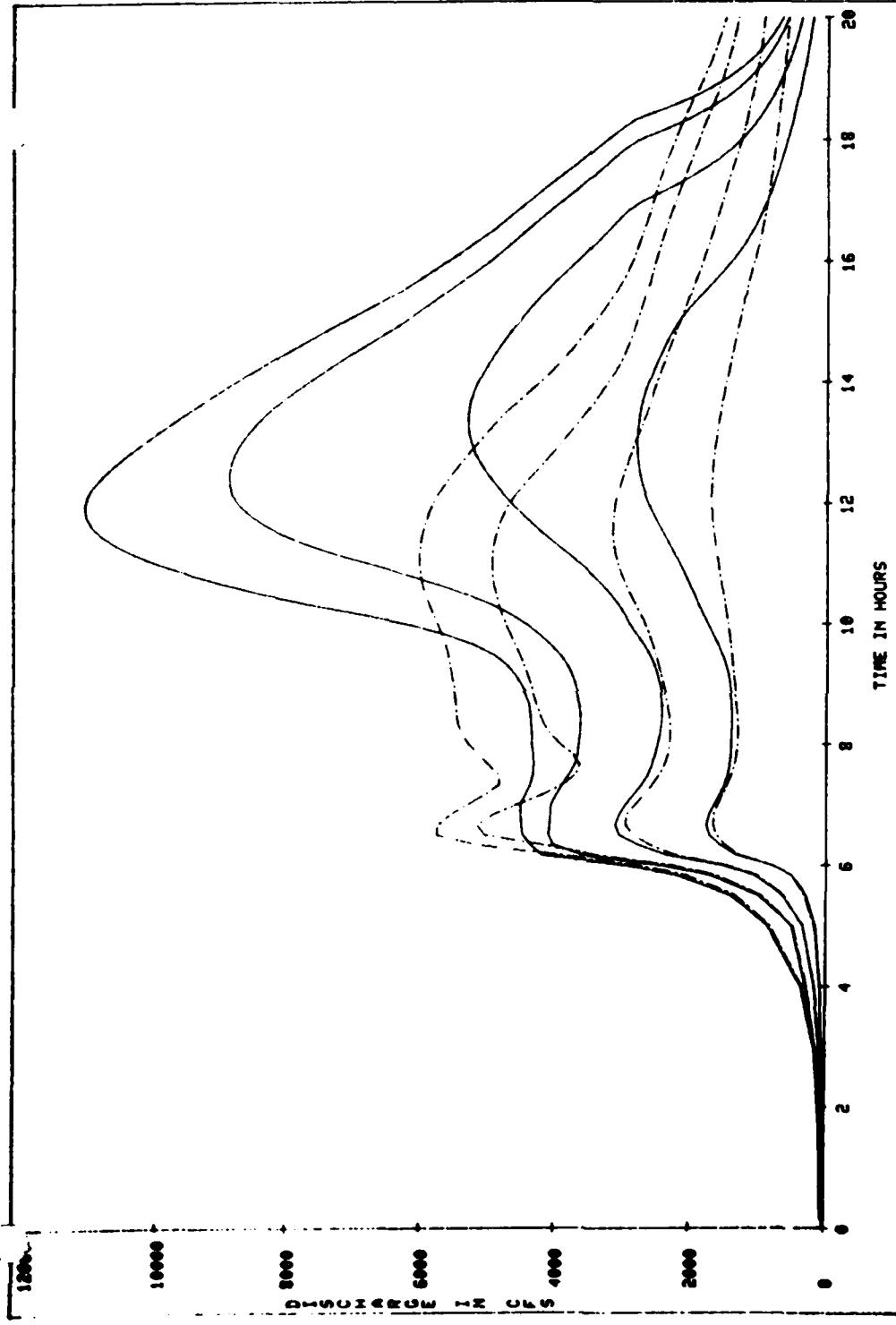
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPP PLAN



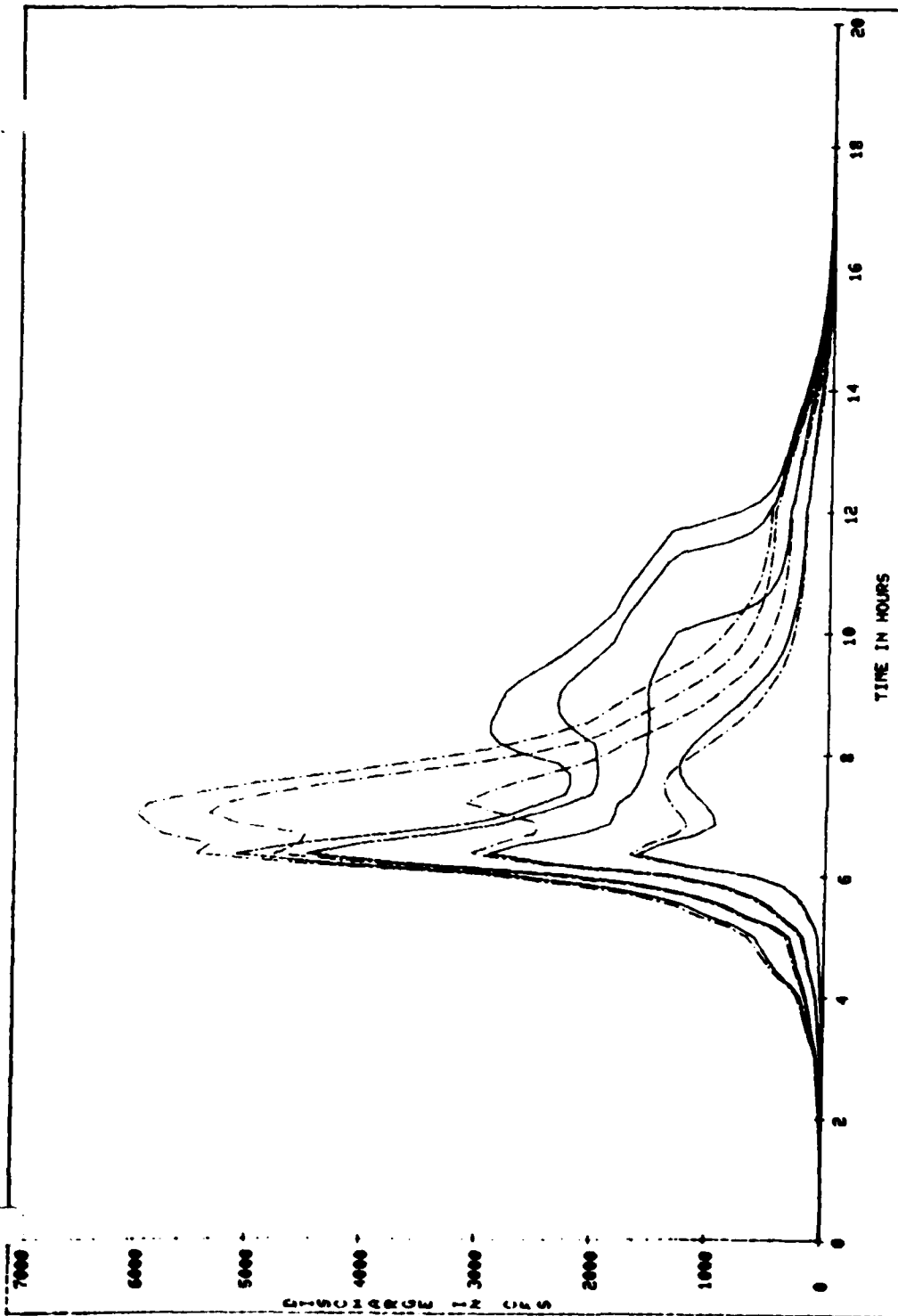
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS AT LOWER RT 61 BRIDGE

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN



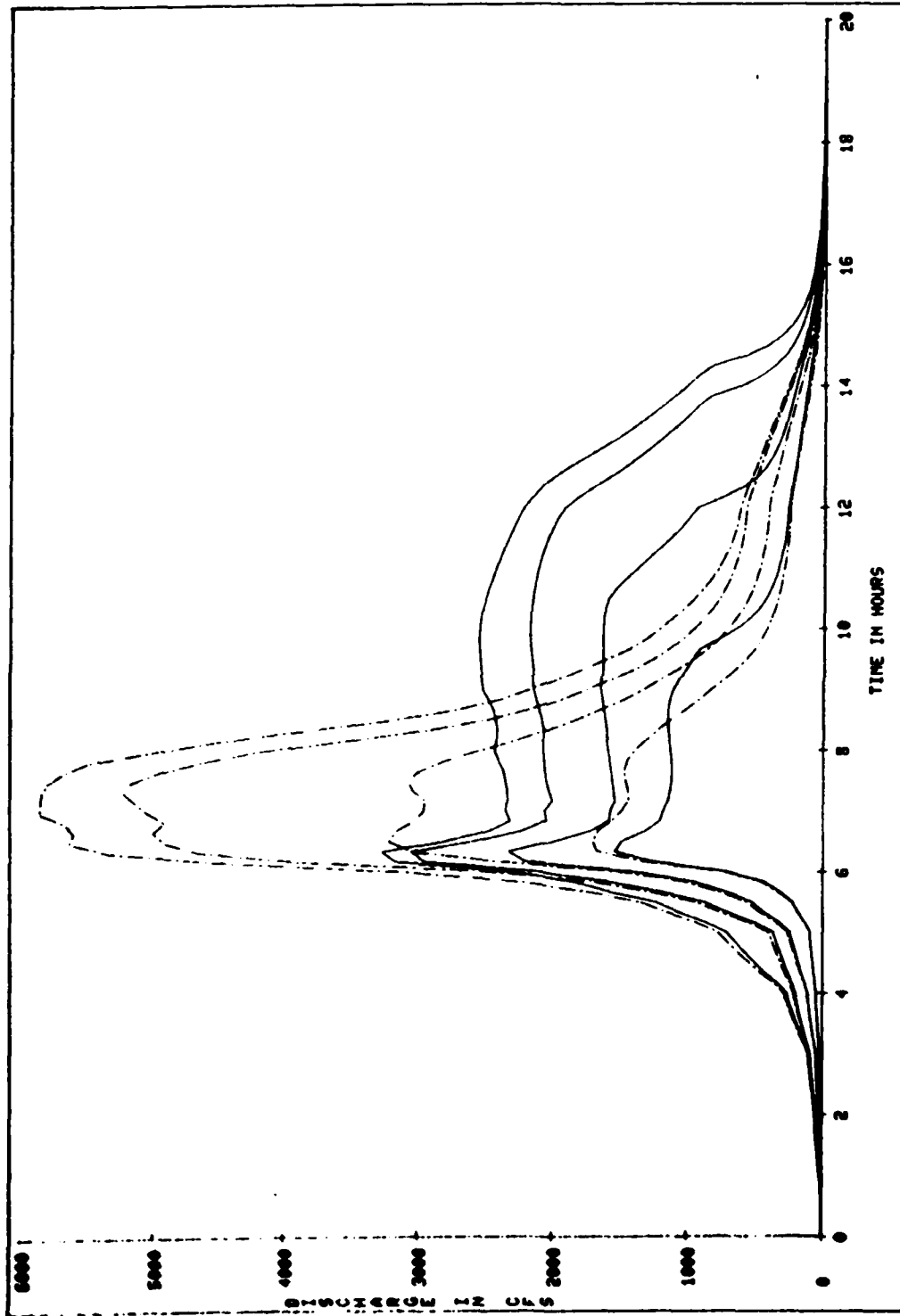
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS ON WALKER AT BESSIE ST. 3

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

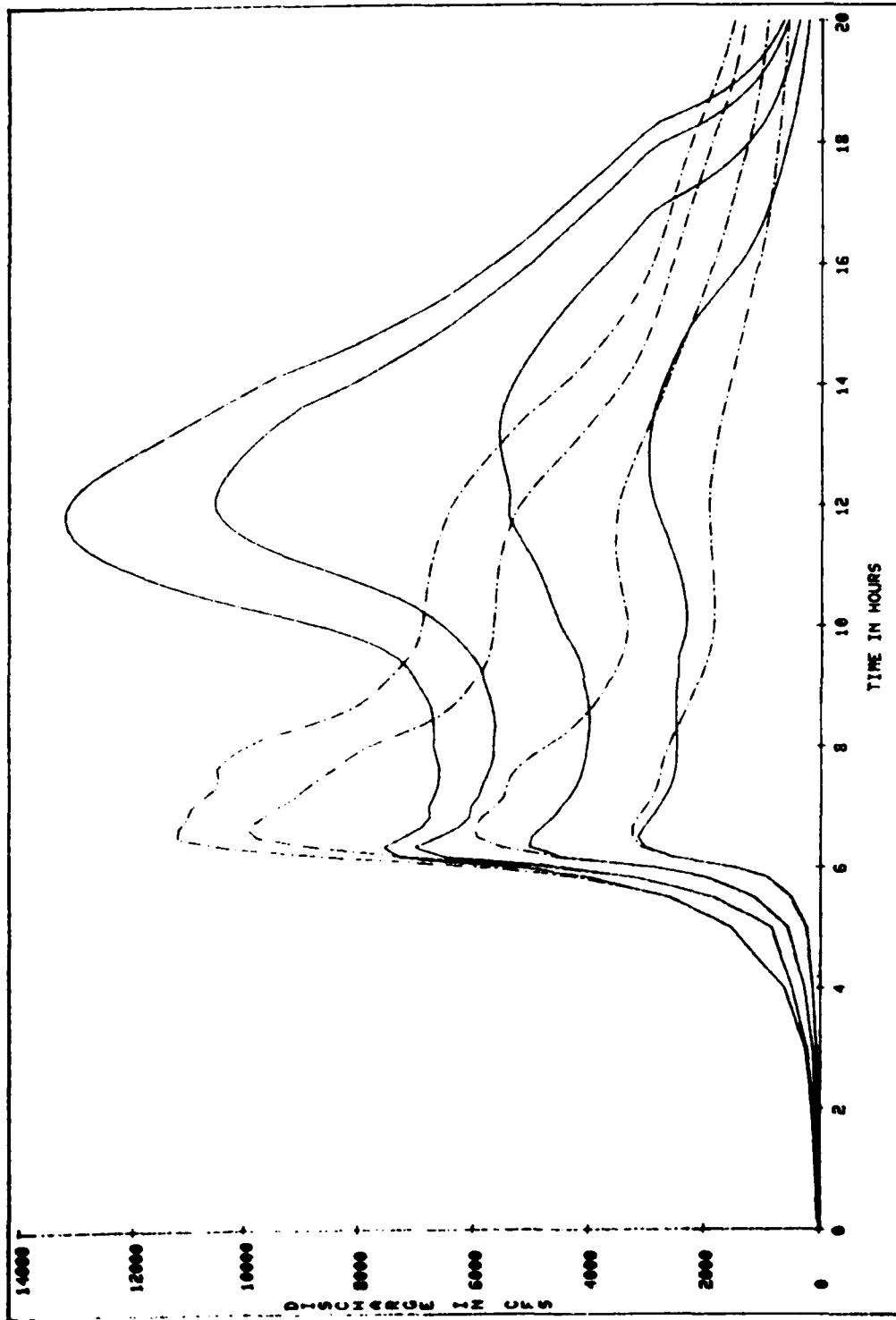
- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON
 METROPOLITAN AREA
 MISSOURI 12053

HYDROGRAPHS ON WALKER AT MOUTHS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

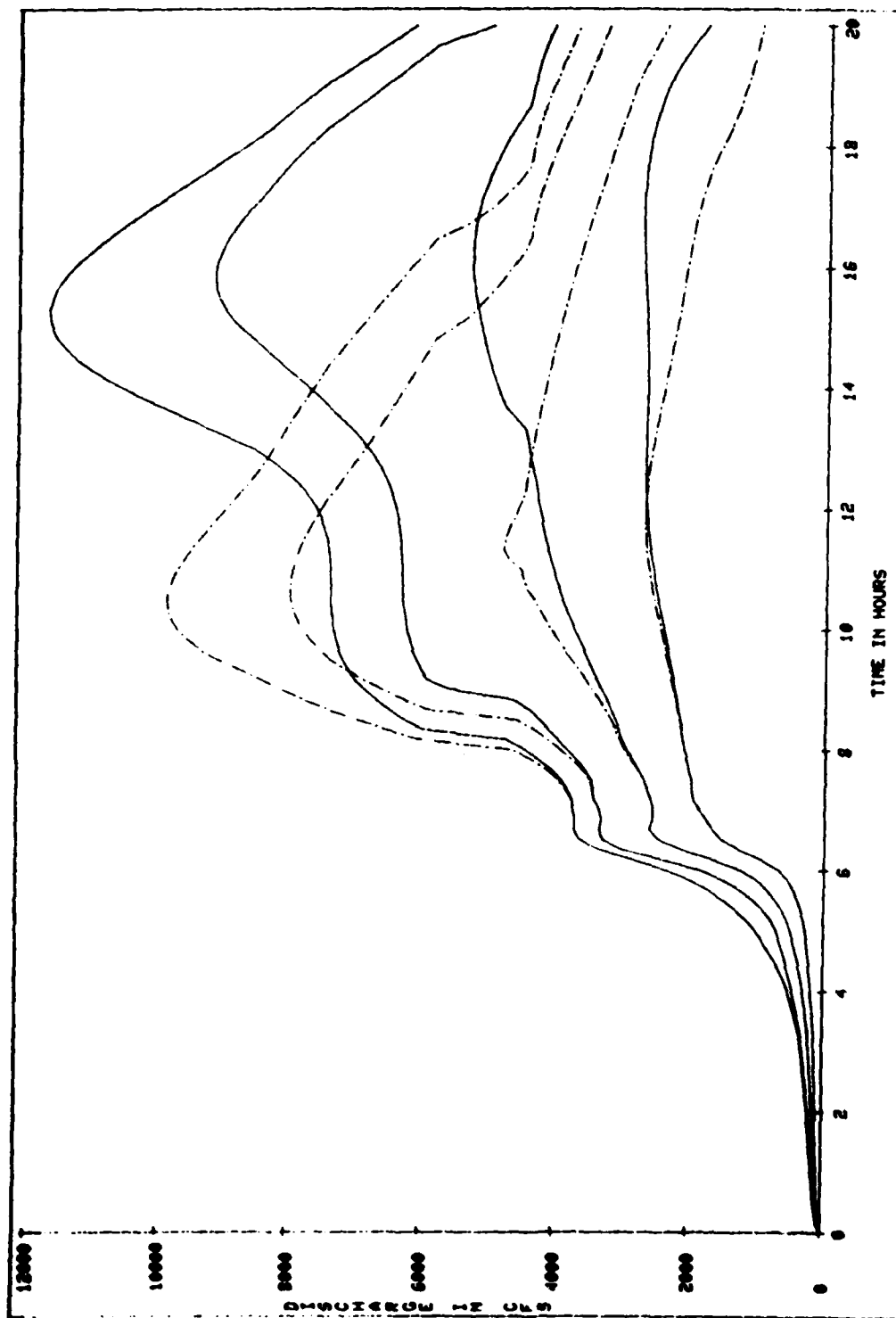
HYDROGRAPHS AT JCT. OF CAPE & WALKERS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN

PLATE D-44



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12953

HYDROGRAPHS AT MOUTH OF CAPE LA CROIXE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN

CAPE LA CROIX CREEK AT HOPPER ROAD (MI 5.11)

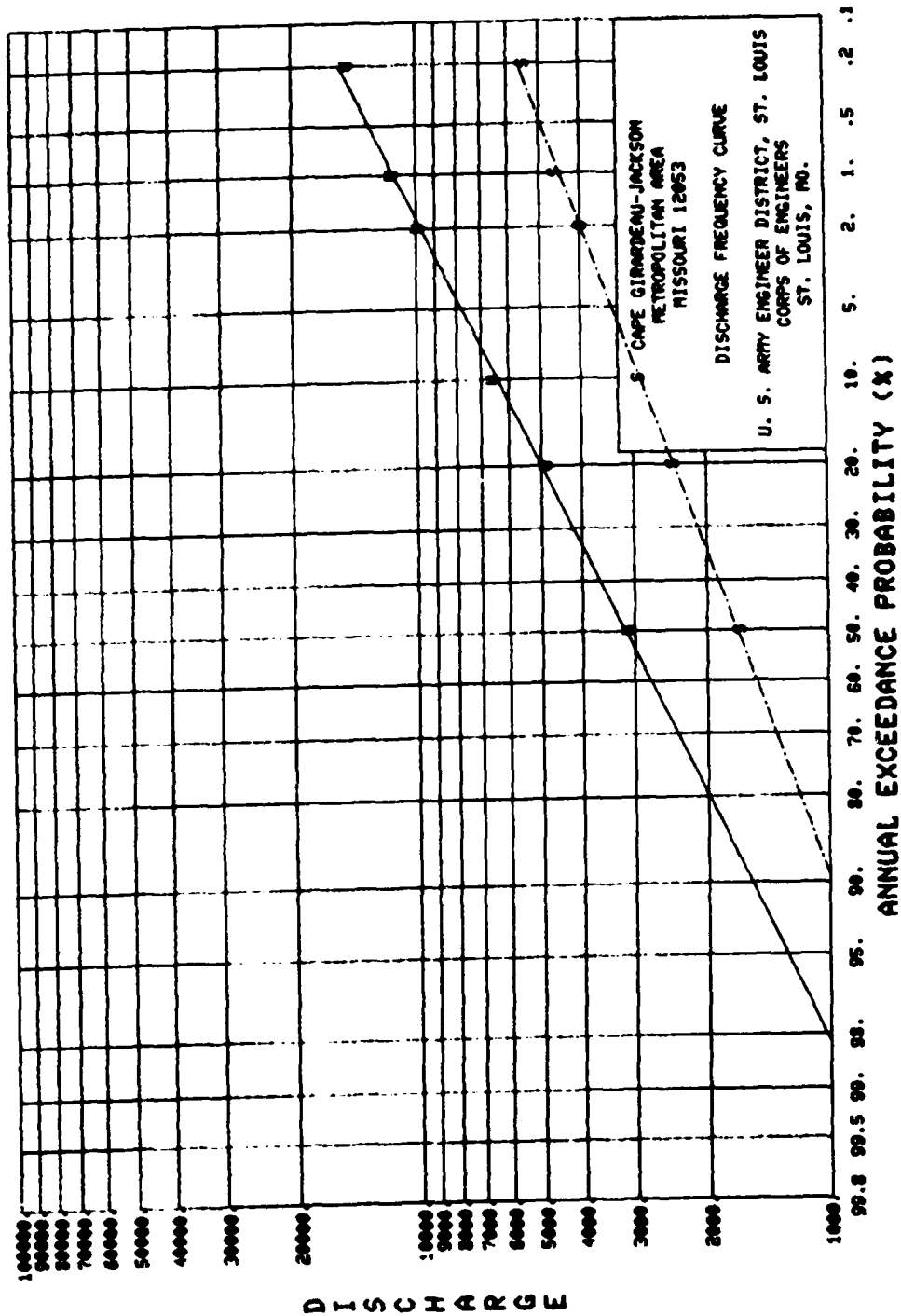
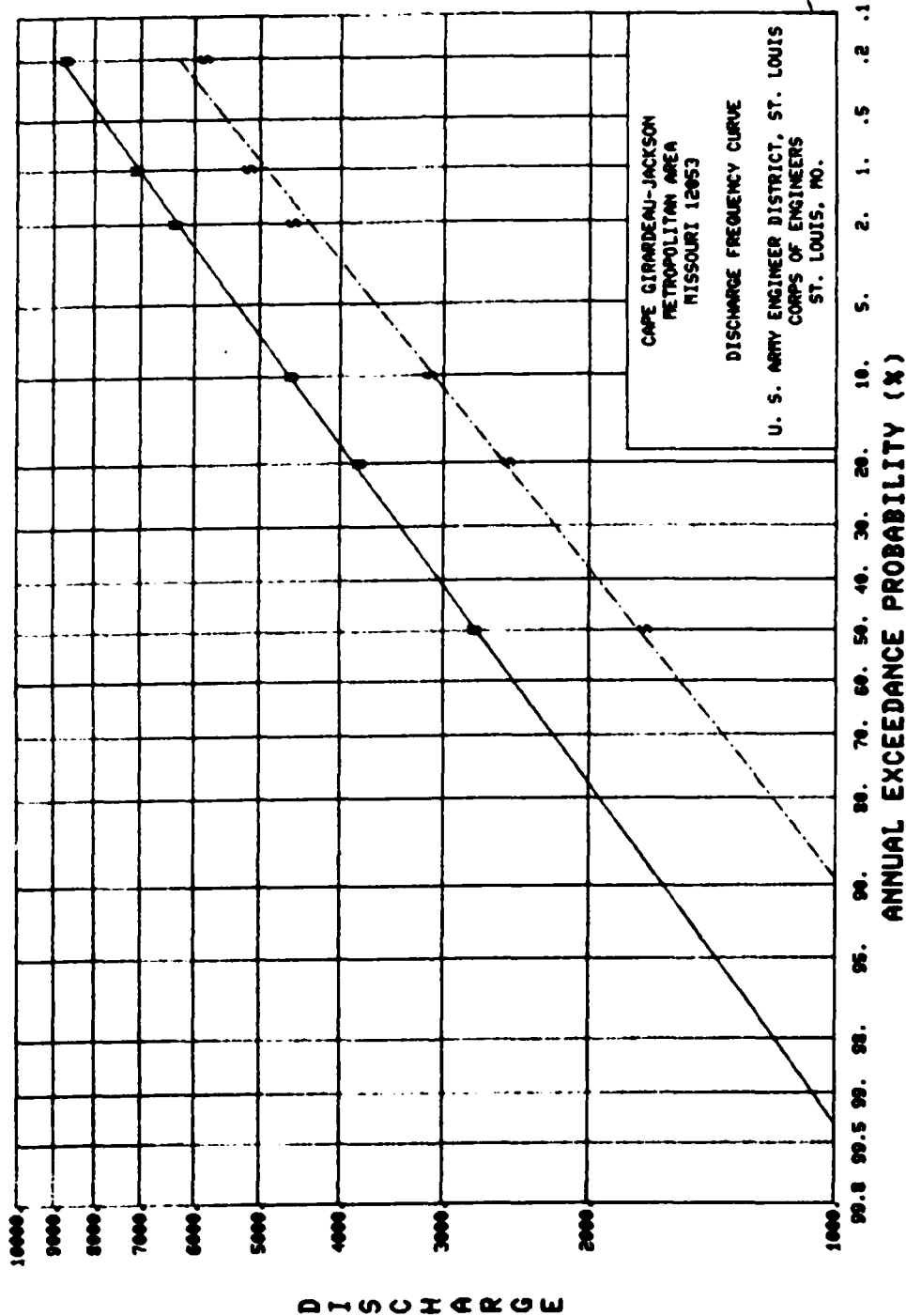
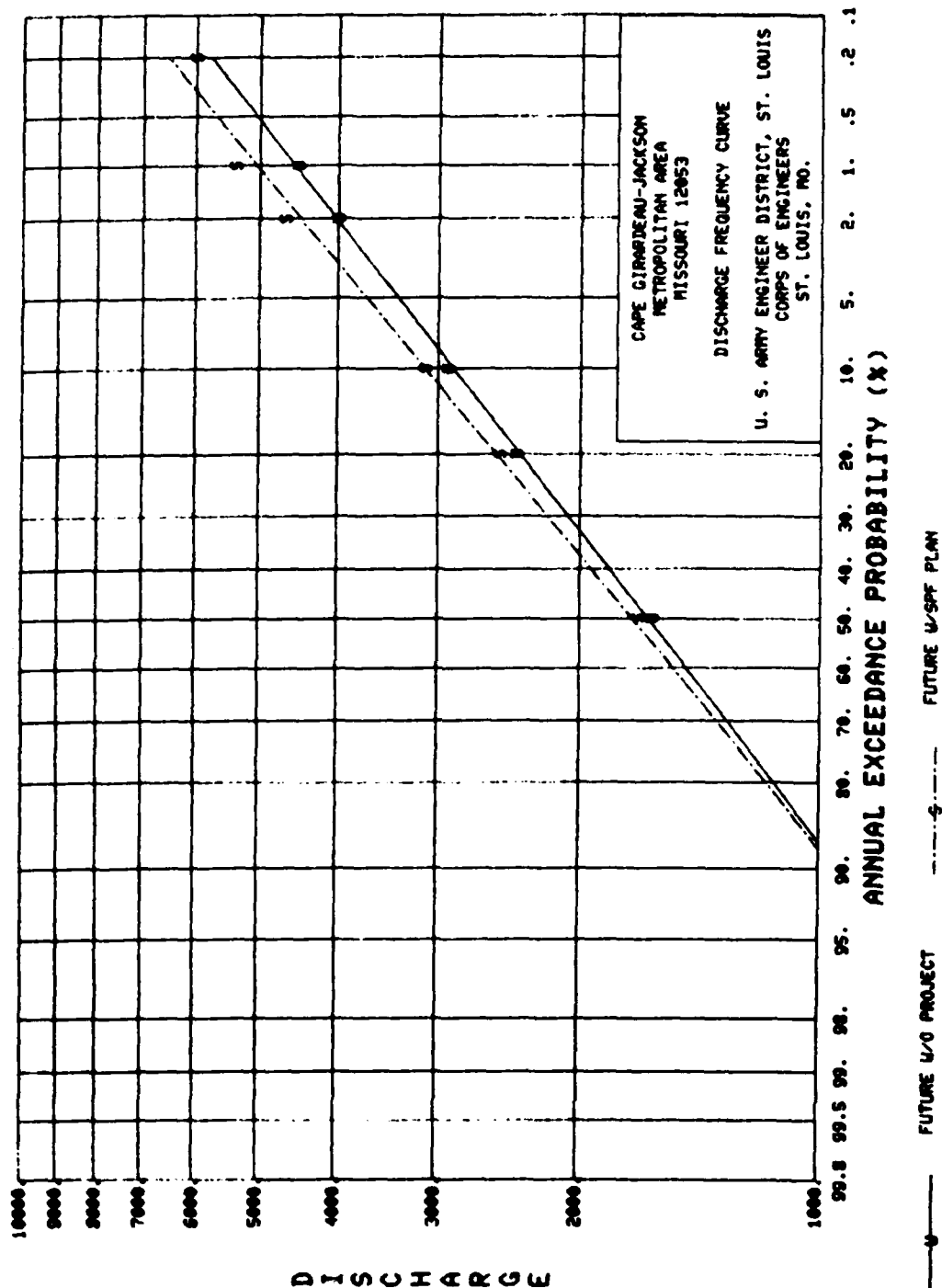


PLATE D-48

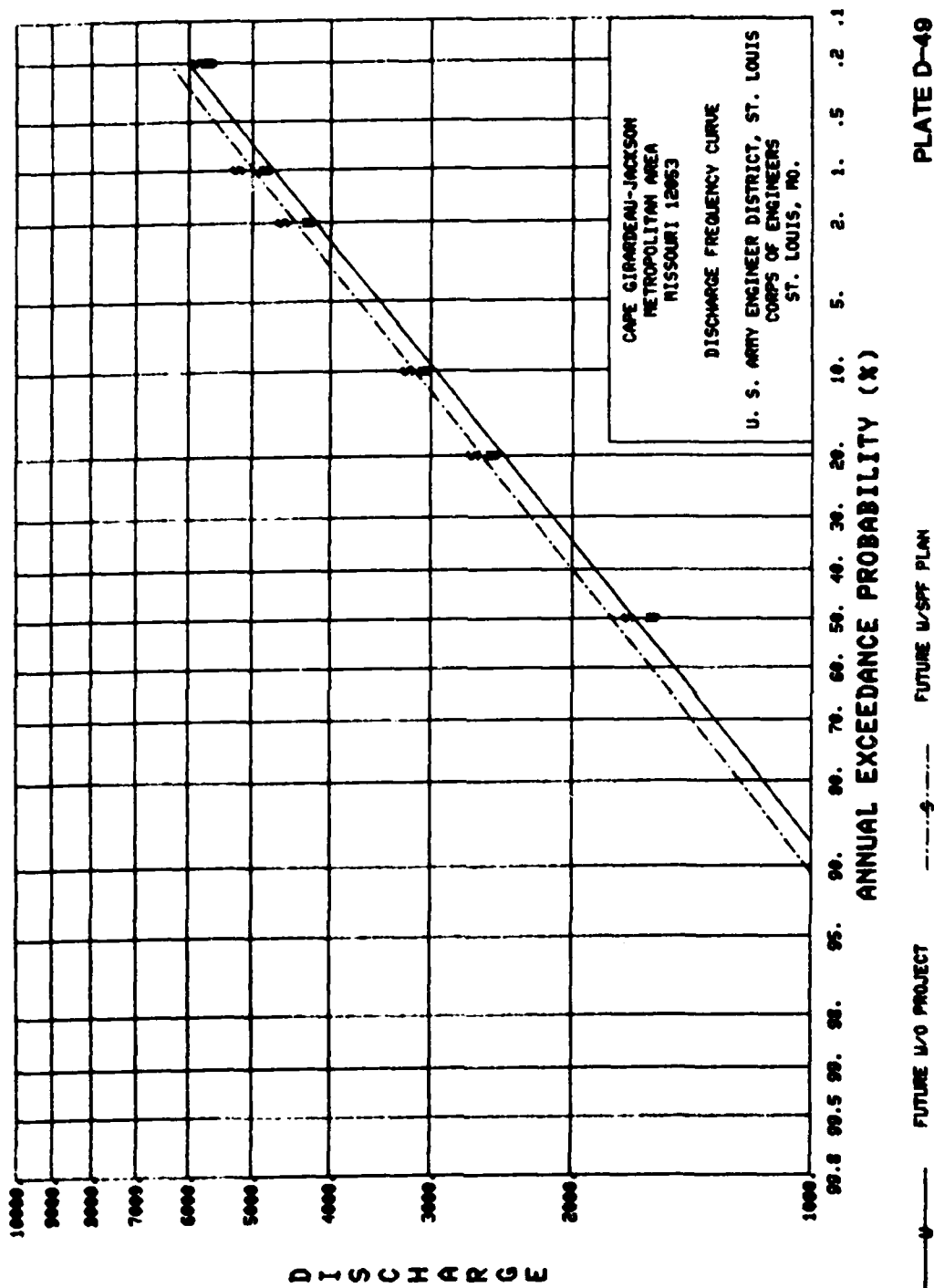
CAPE LA CROIX CREEK ABOVE WALKER BRANCH (MI 3.14)



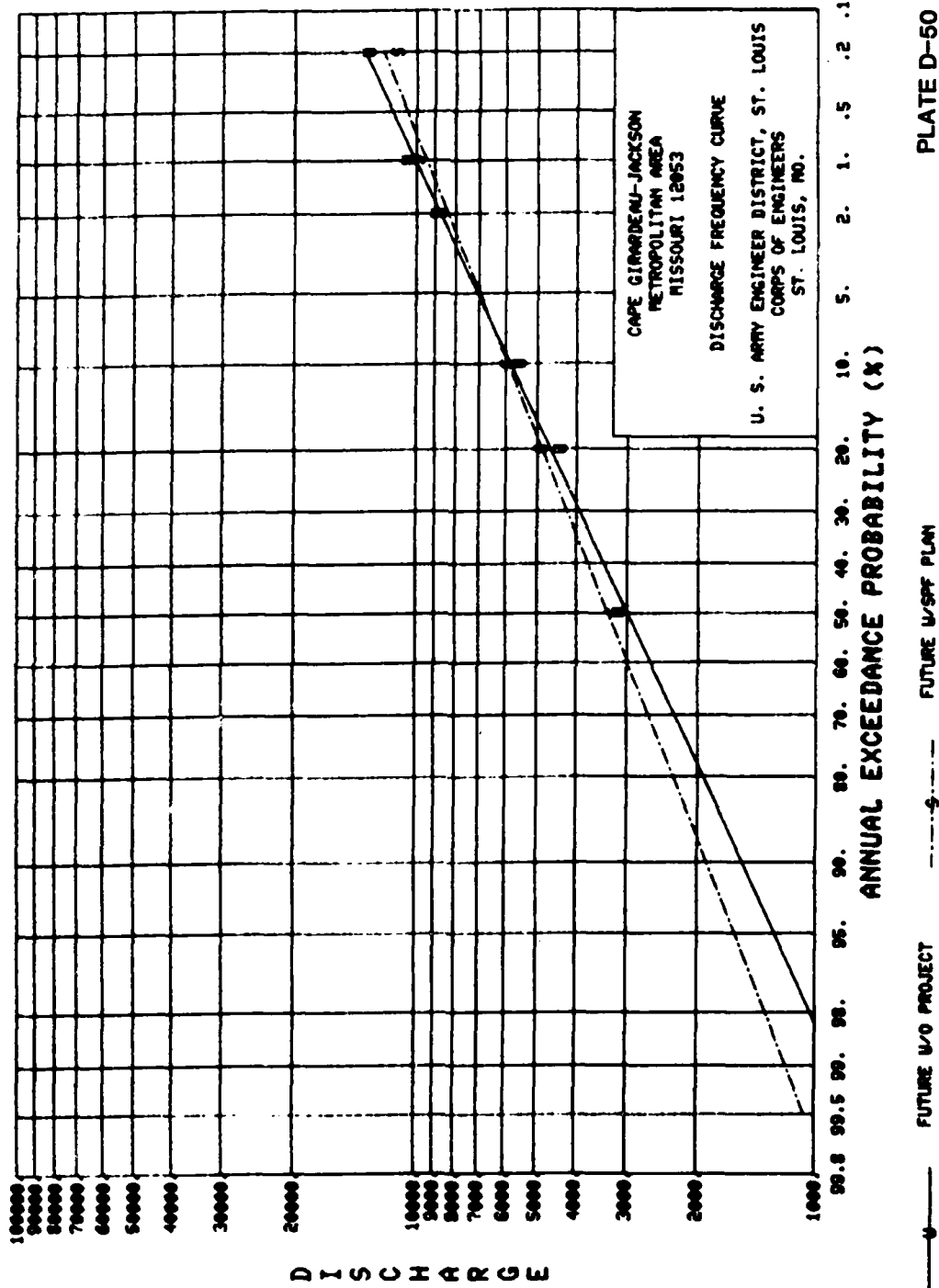
WALKER BRANCH AT BESSIE STREET (MI 0.59)



WALKER BRANCH AT MOUTH (MI 0.00)



CAPE LA CROIX BELOW WALKER BRANCH (MI 3.10)



PLATED D-50

CAPE LA CROIX CREEK AT MOUTH (MI 0.00)

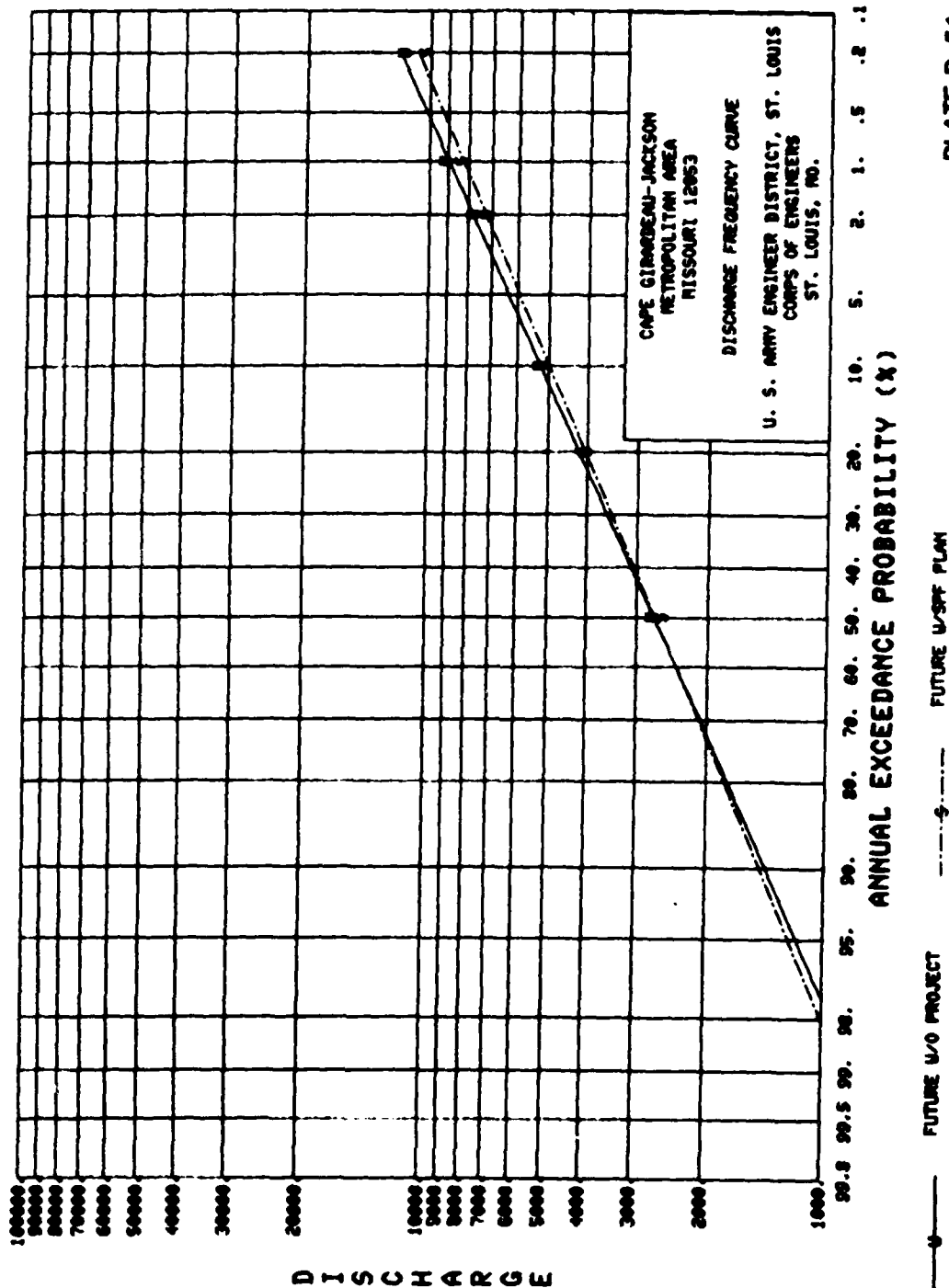
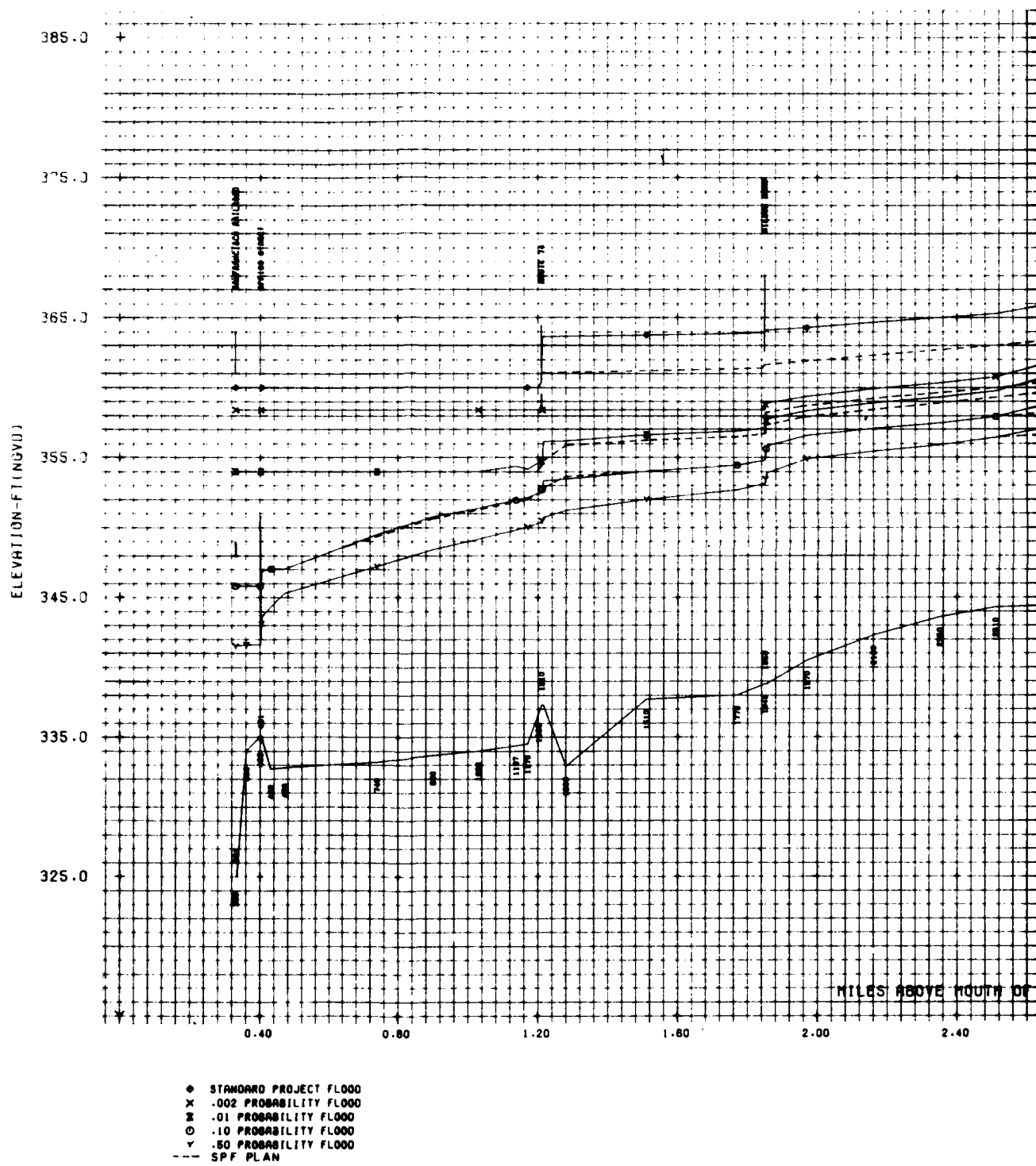
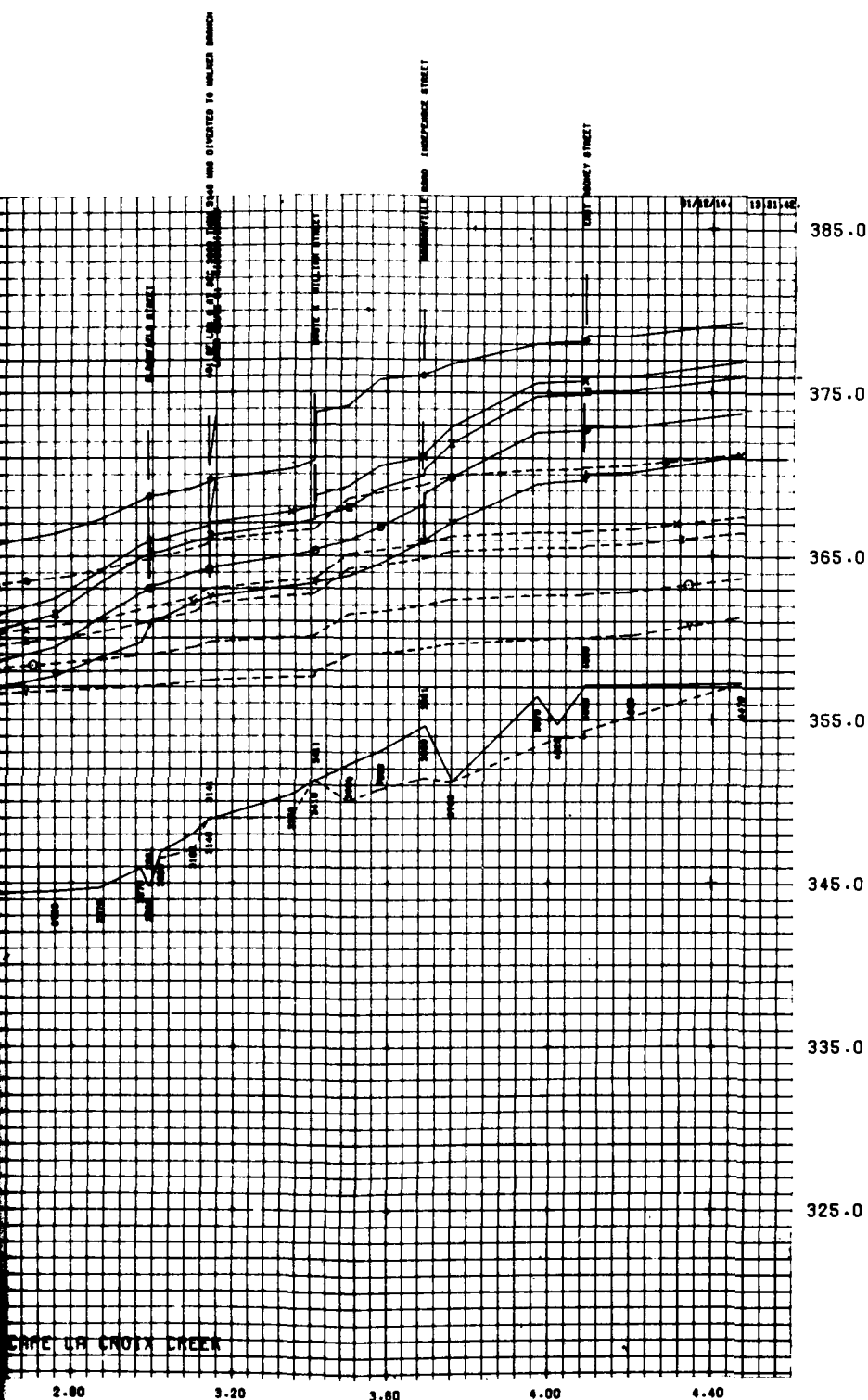
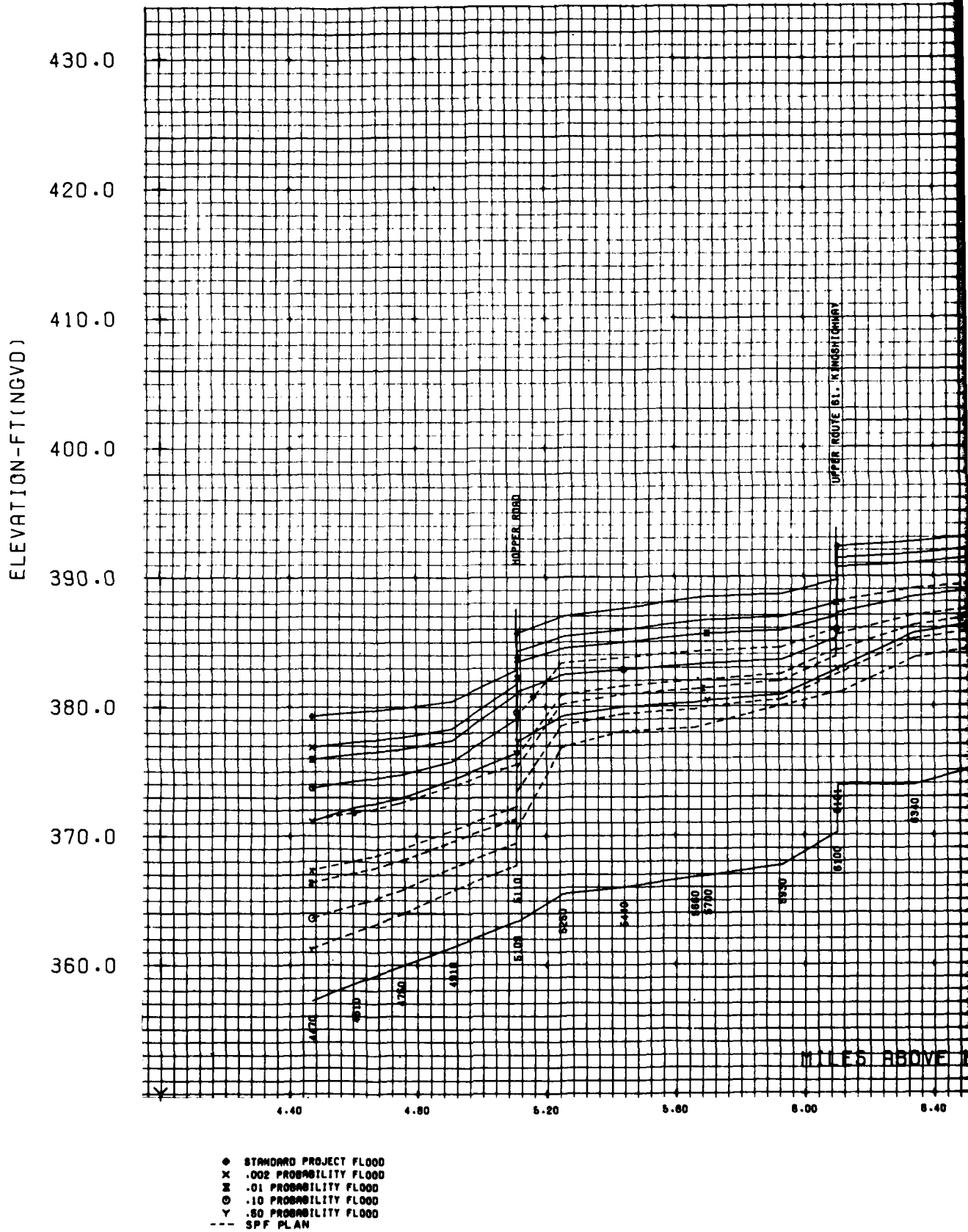


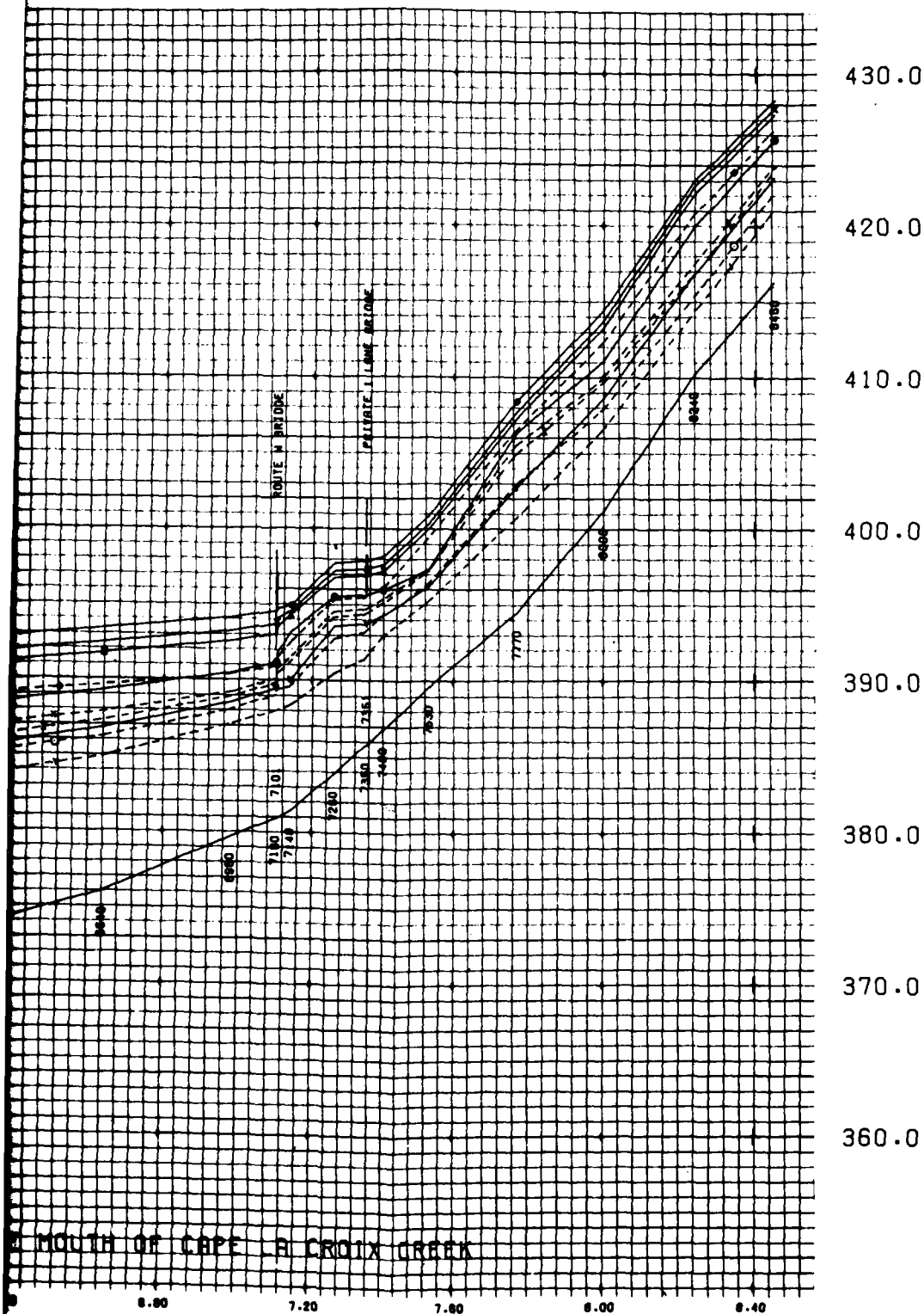
PLATE D-51





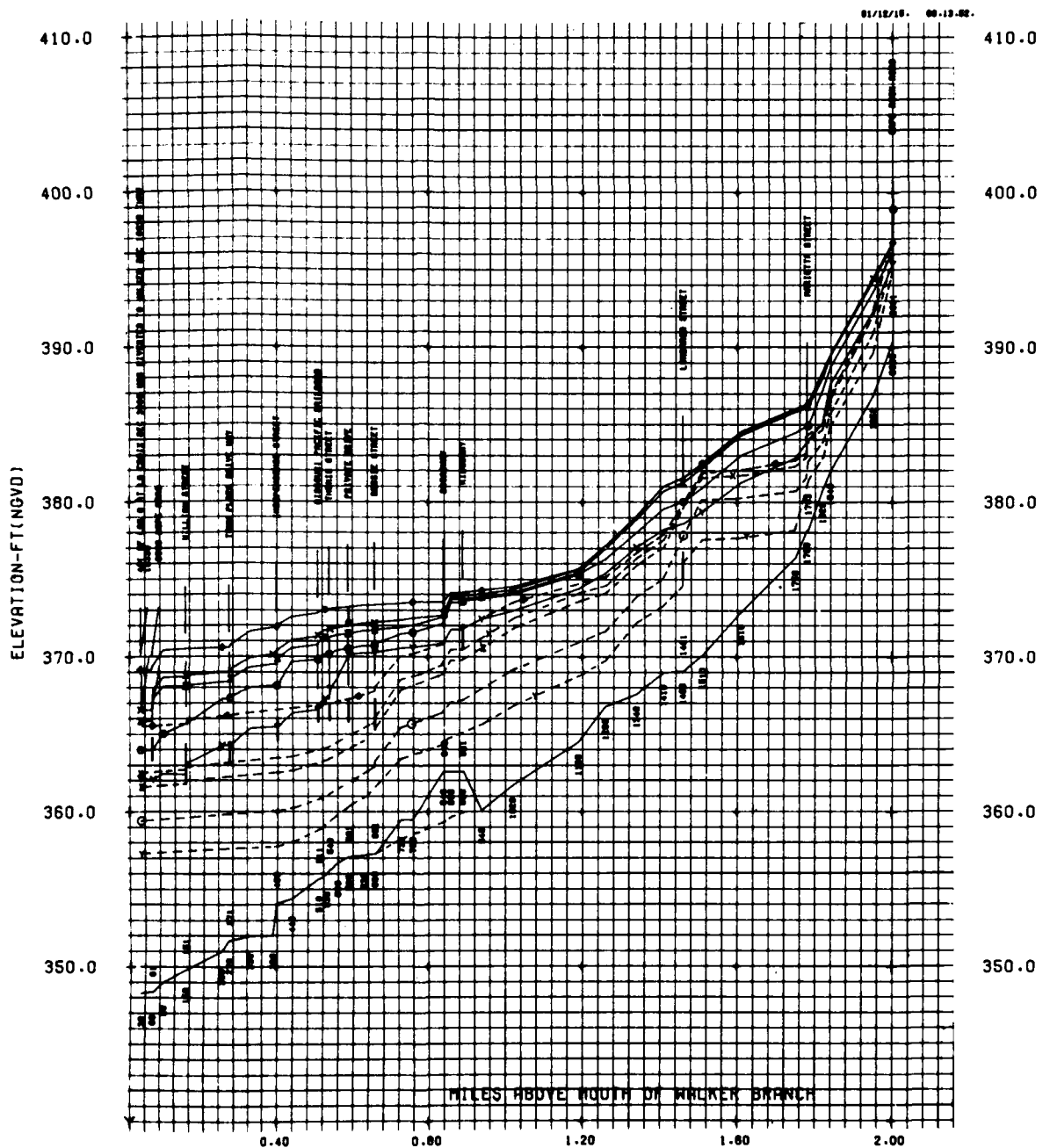
CAPE GRANDEAU - JACKSON
 METROPOLITAN AREA
 MISSOURI 1893
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
 FUTURE W/O PROJECT VS
 FUTURE W/SPF PLAN
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.





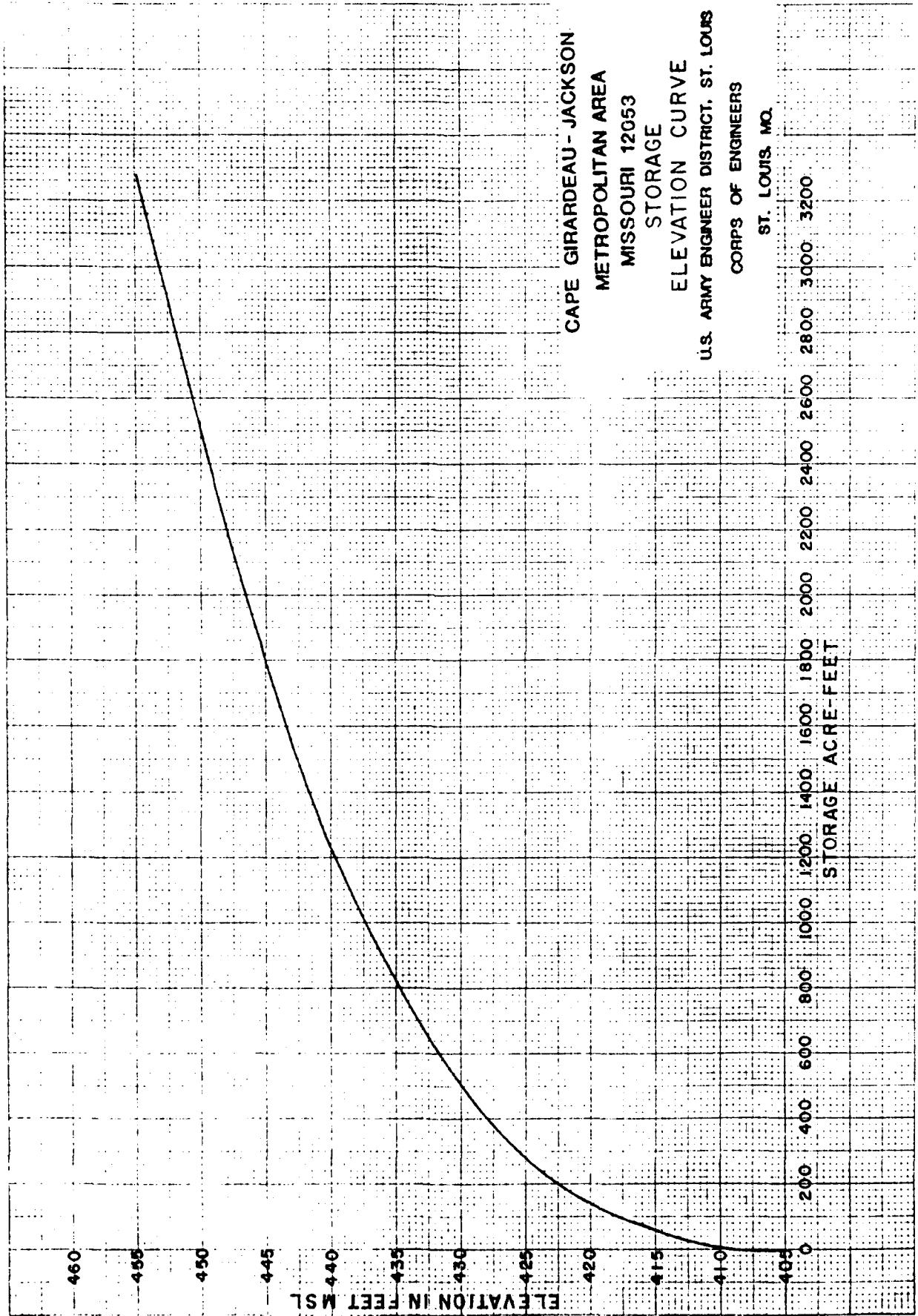
MOUTH OF CAPE LA CROIX CREEK

CAPE GRANDMAN - JACKSON
METROPOLITAN AREA
MISSOURI 19053
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT VS
FUTURE W/PP PLAN
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

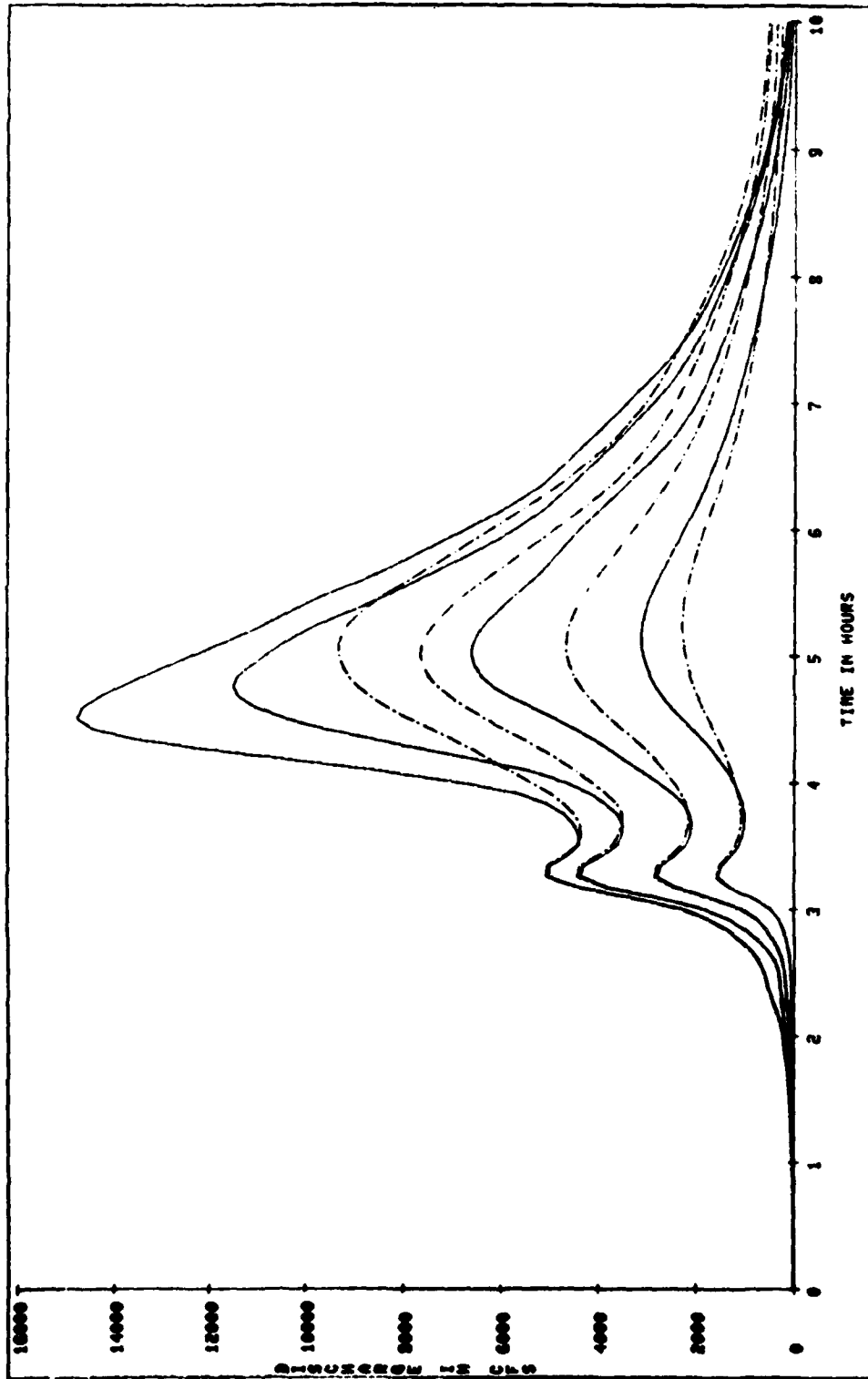


• STANDARD PROJECT FLOOD
 x .002 PROBABILITY FLOOD
 z .01 PROBABILITY FLOOD
 o .10 PROBABILITY FLOOD
 y .50 PROBABILITY FLOOD
 --- SPF PLAN

CAPE GIRARDEAU-JACKSON
 METROPOLITAN AREA
 MISSOURI 13063
WATER SURFACE PROFILES
WALKER BRANCH
 FUTURE W/O PROJECT VS
 FUTURE W/SPF PLAN
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 GROUP OF ENGINEERS
 ST. LOUIS, MO.



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
STORAGE
ELEVATION CURVE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



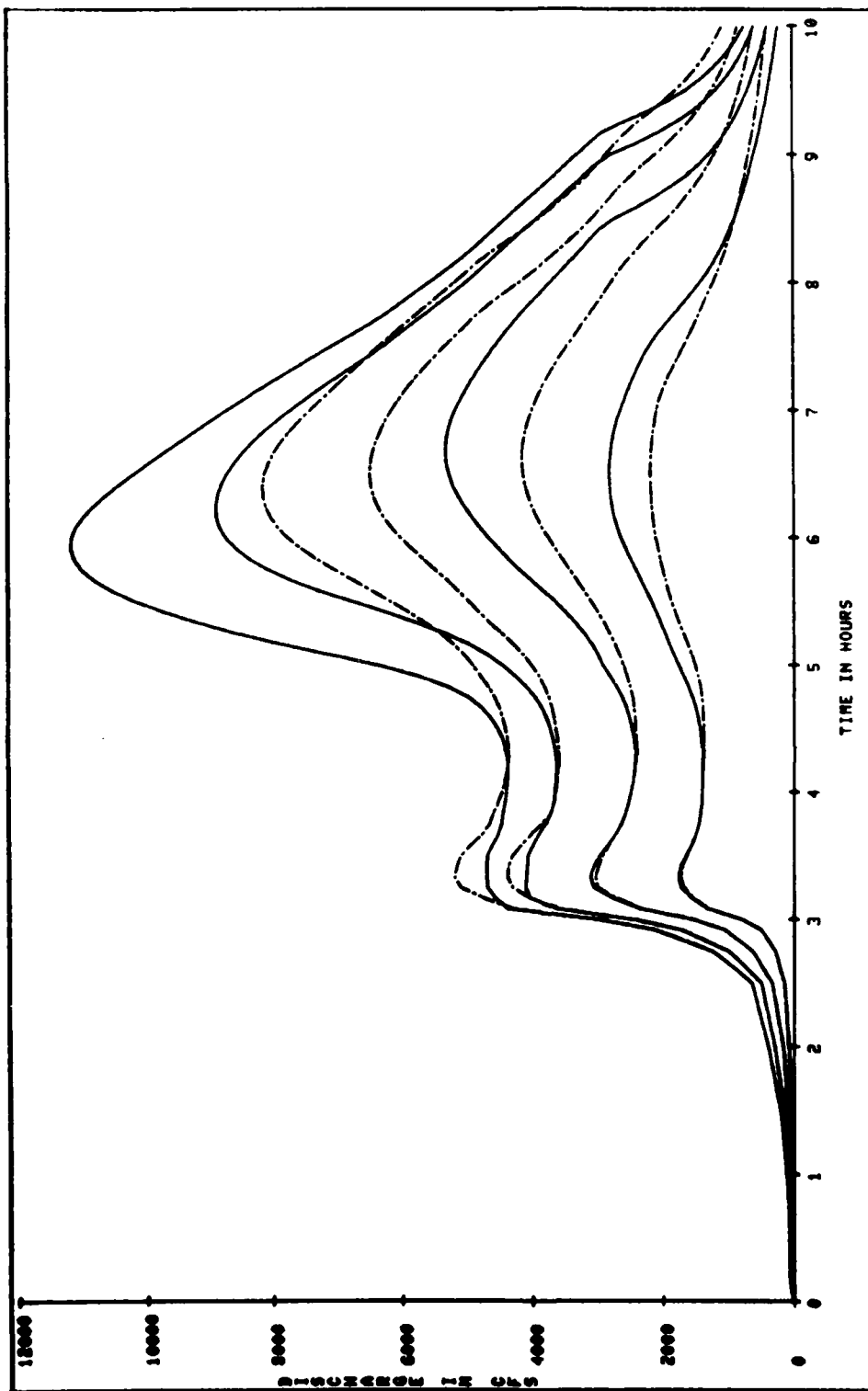
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



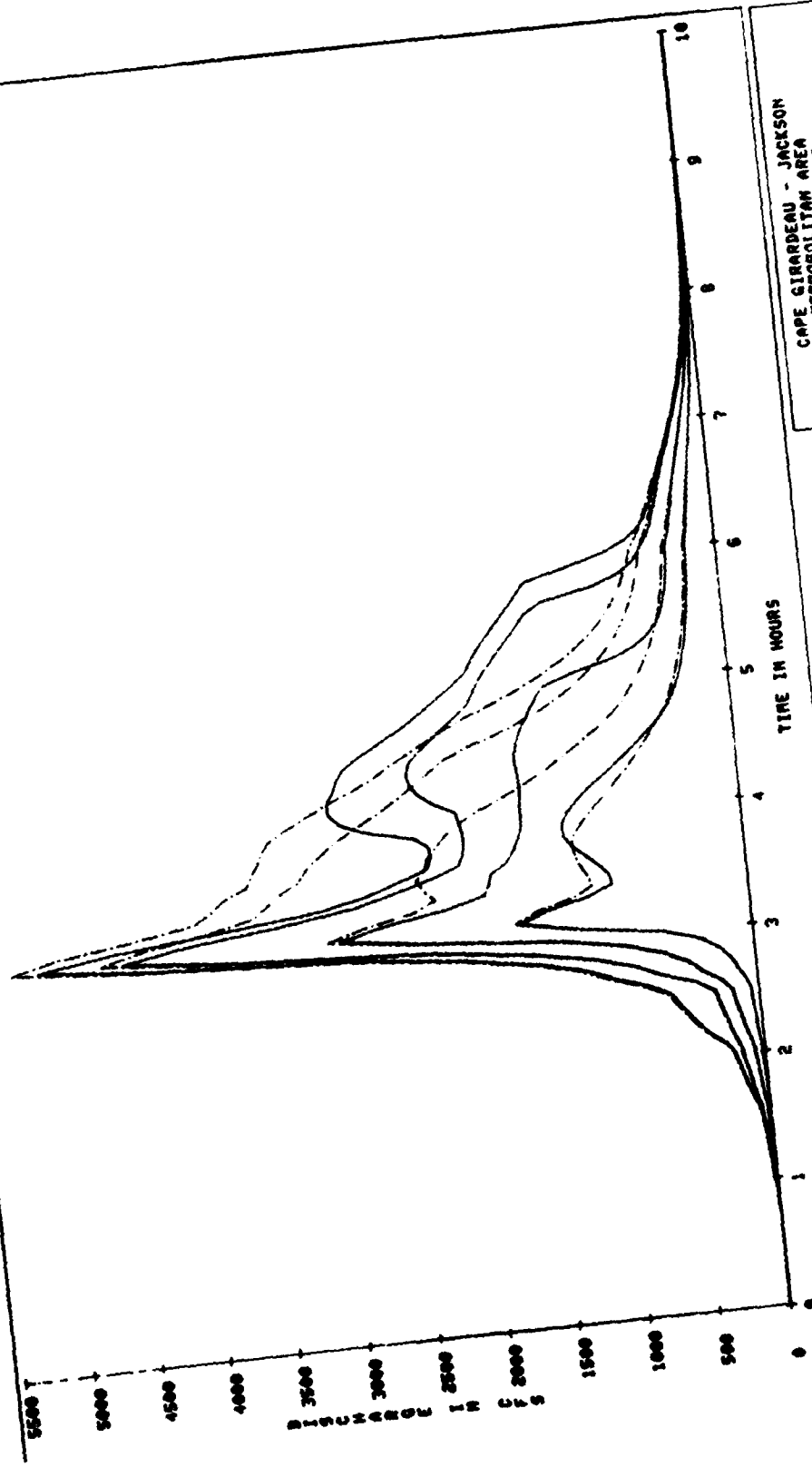
— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN

CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12853

HYDROGRAPHS AT LOWER RT 61 BRIDGE

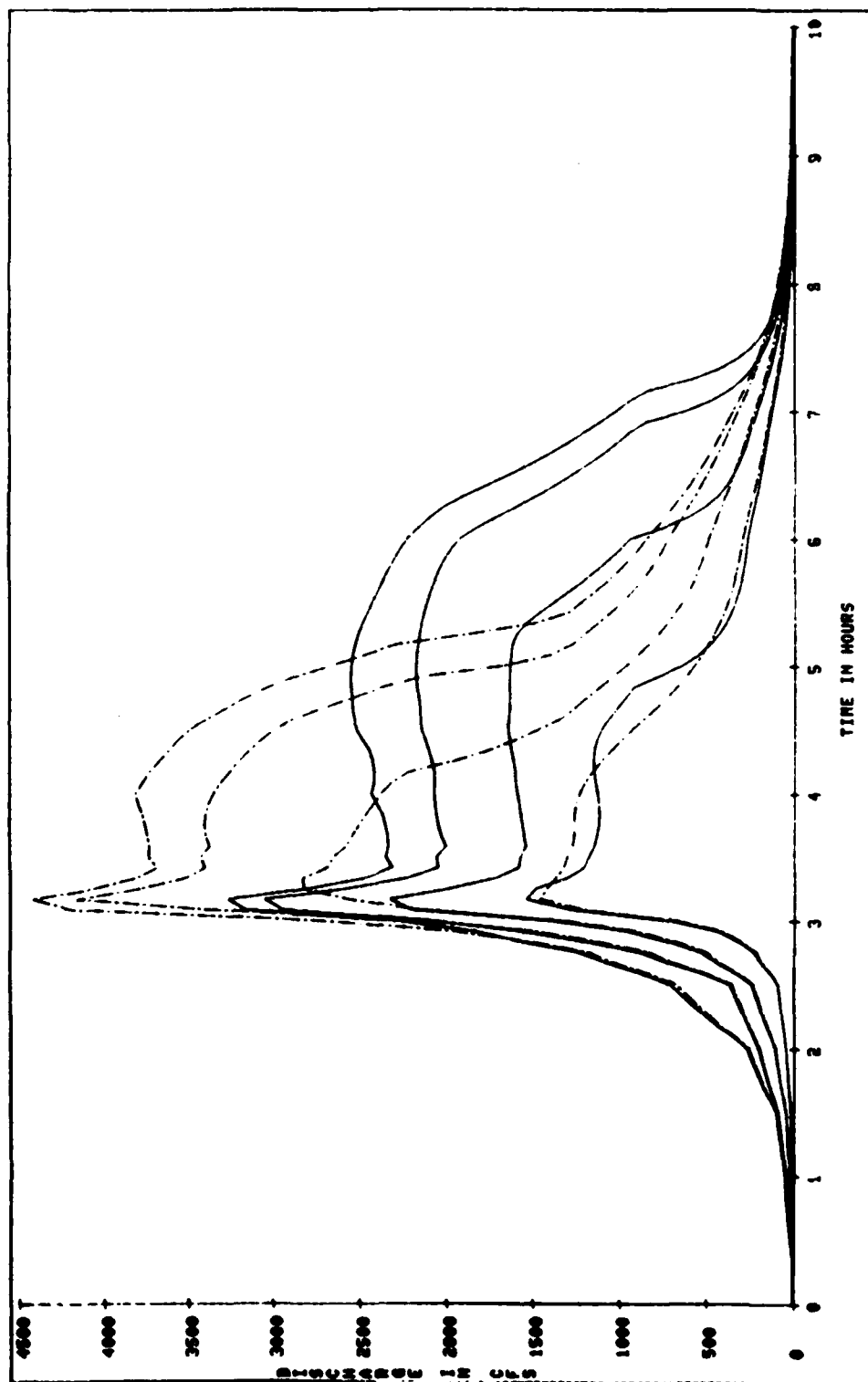
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12653

HYDROGRAPHS ON WALKER AT BESSIE ST. 1
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

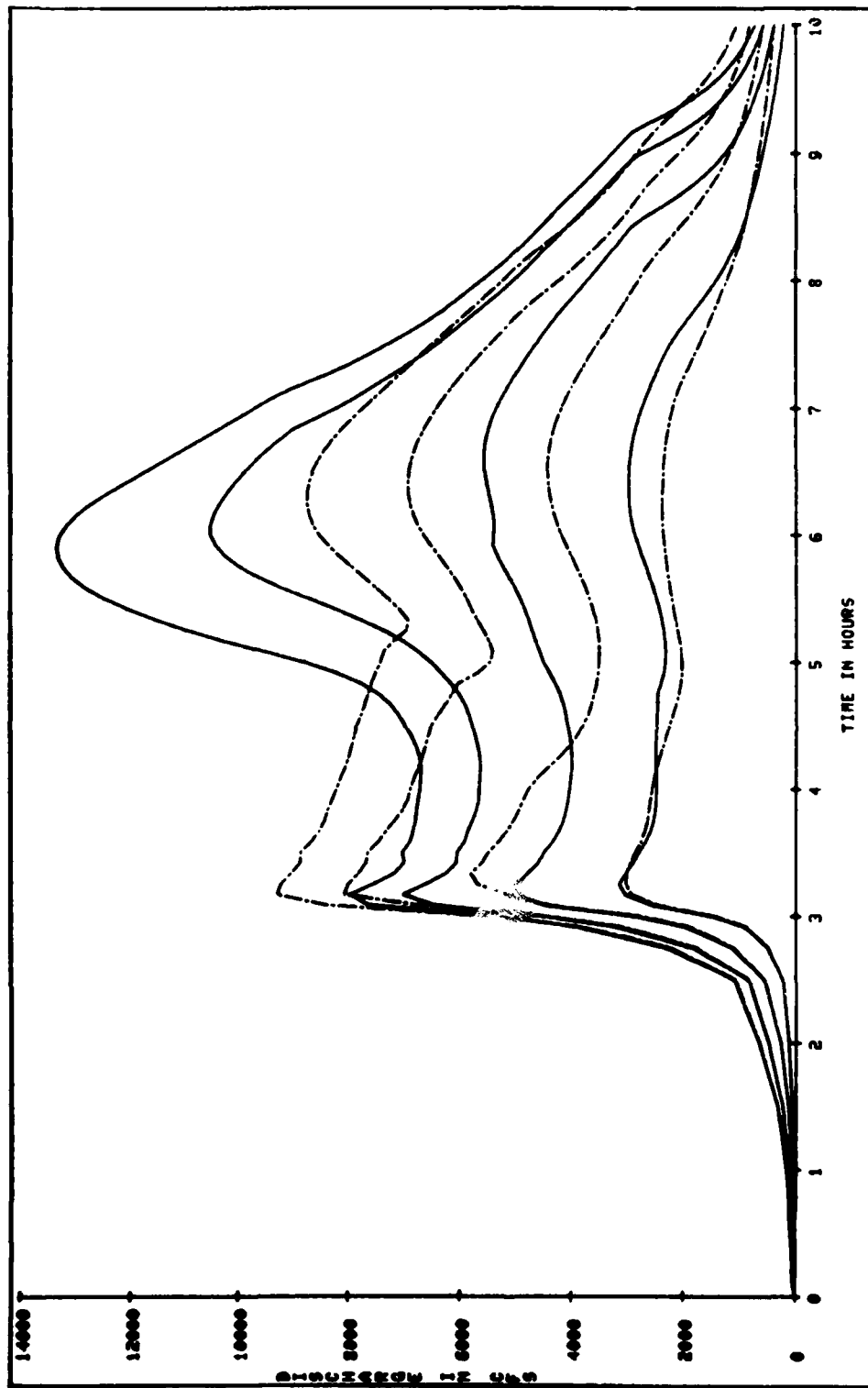
— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT
- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
HYDROGRAPHS ON WALKER AT MOUTH
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



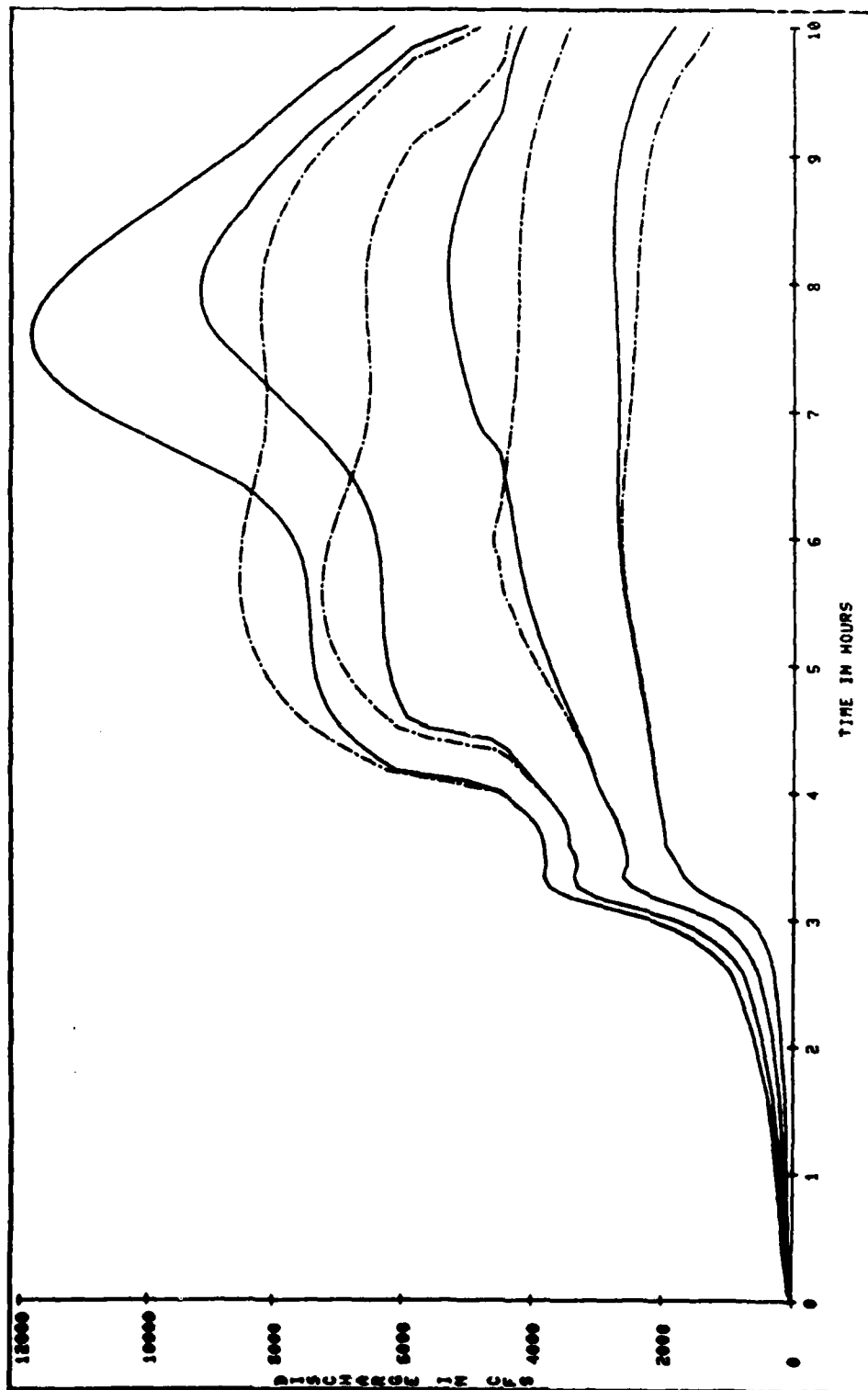
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12653

HYDROGRAPHS AT JCT. OF CAPE & WALKER

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12953

HYDROGRAPHS AT MOUTH OF CAPE LA CROIX

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN

10-A141 580

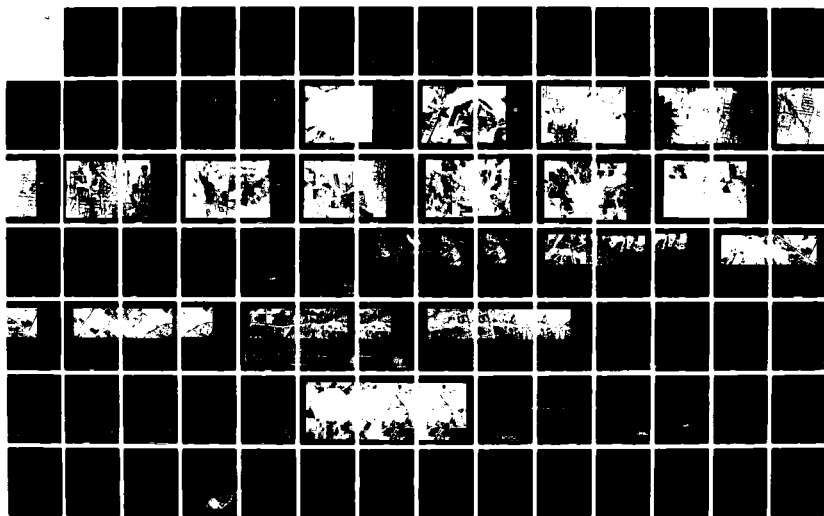
WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY
ENGINEER DISTRICT ST LOUIS MO DEC 83

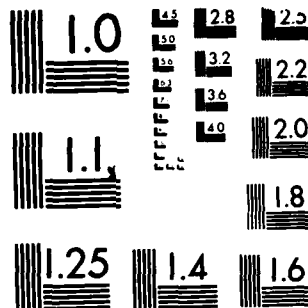
2/3

UNCLASSIFIED

F/G 13/2

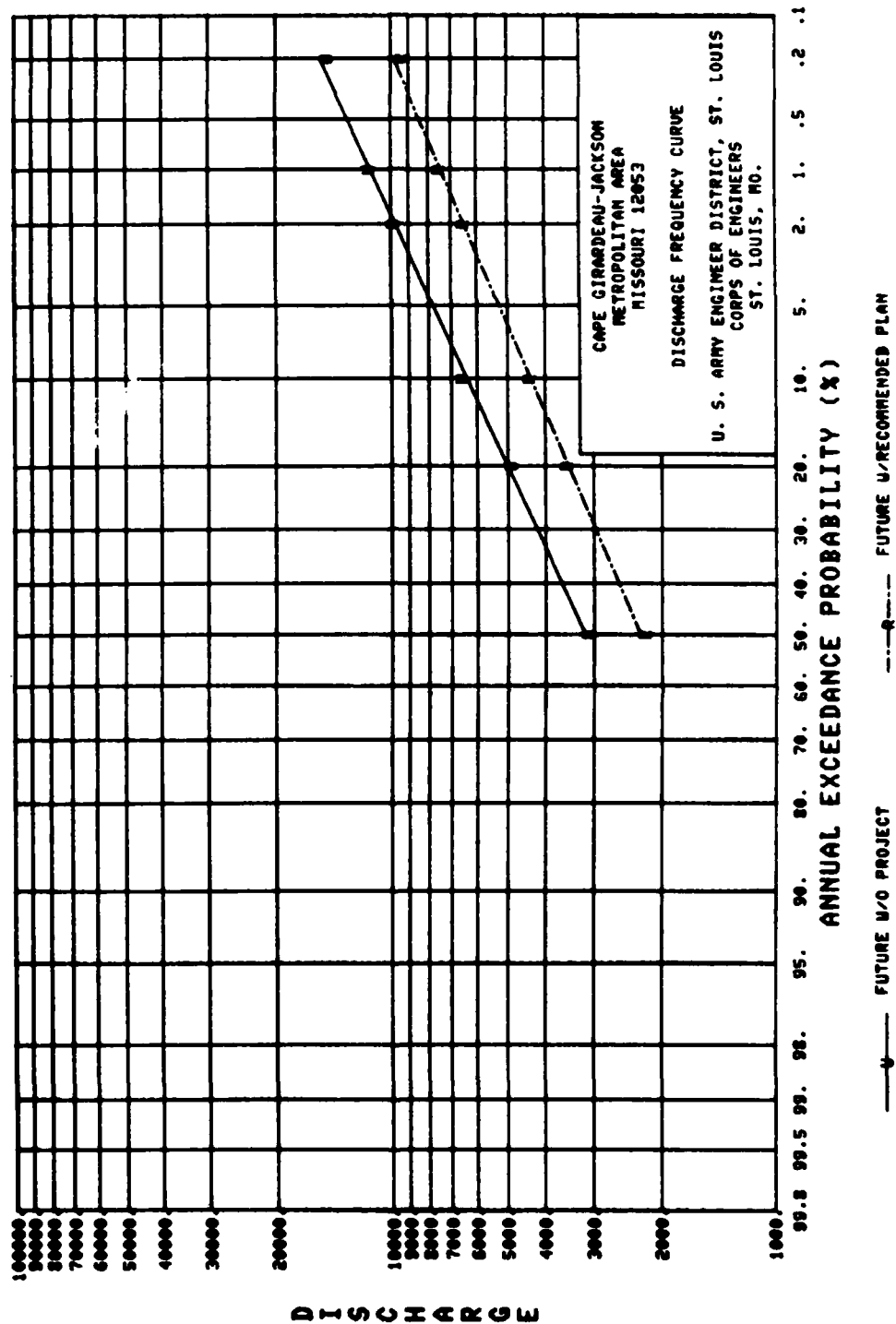
NL



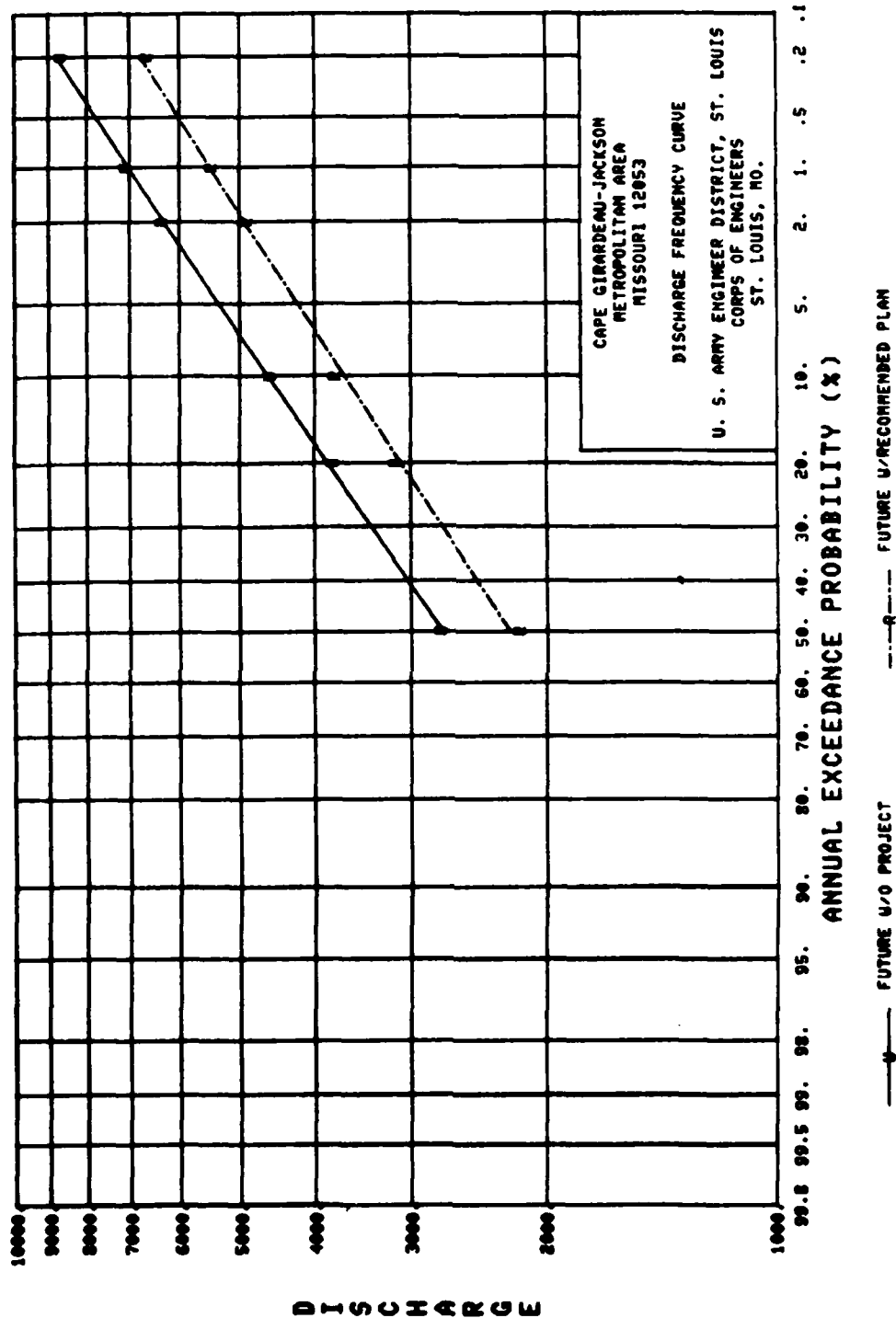


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CAPE LA CROIX CREEK AT HOPPER ROAD (MI 5.11)



CAPE LA CROIX CREEK ABOVE WALKER BRANCH



WALKER BRANCH AT BESSIE STREET(MI .59)

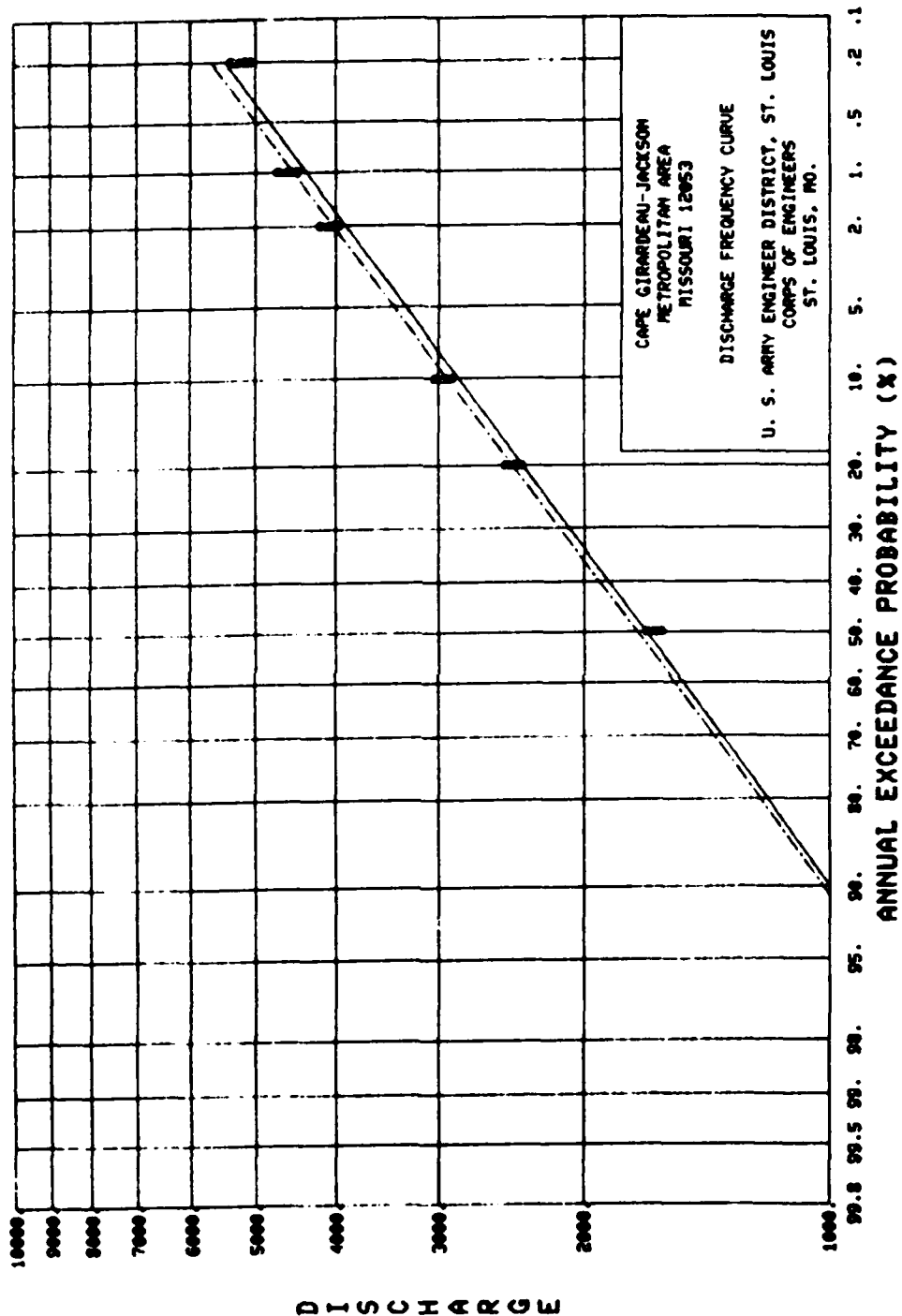
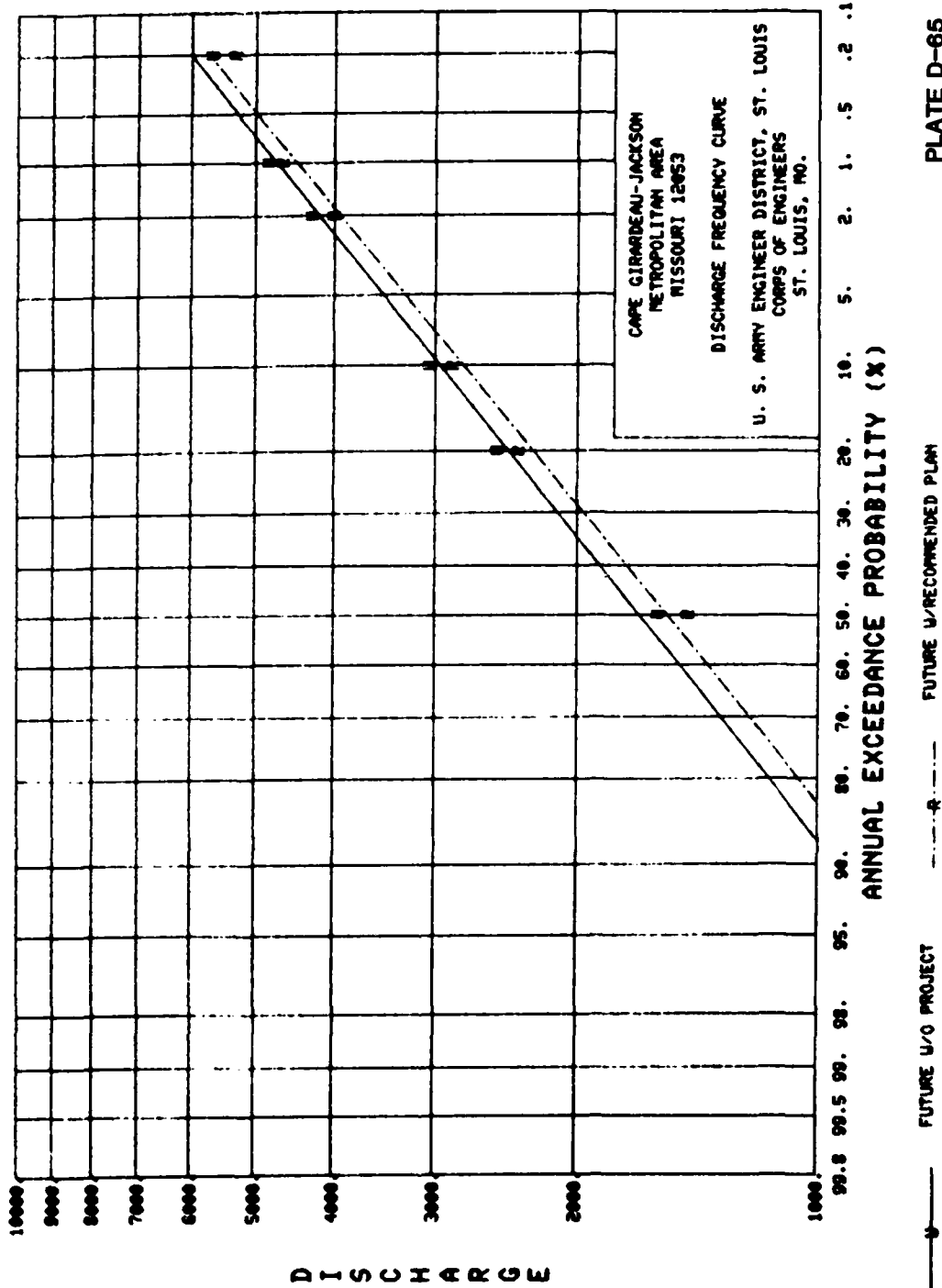


PLATE D-64

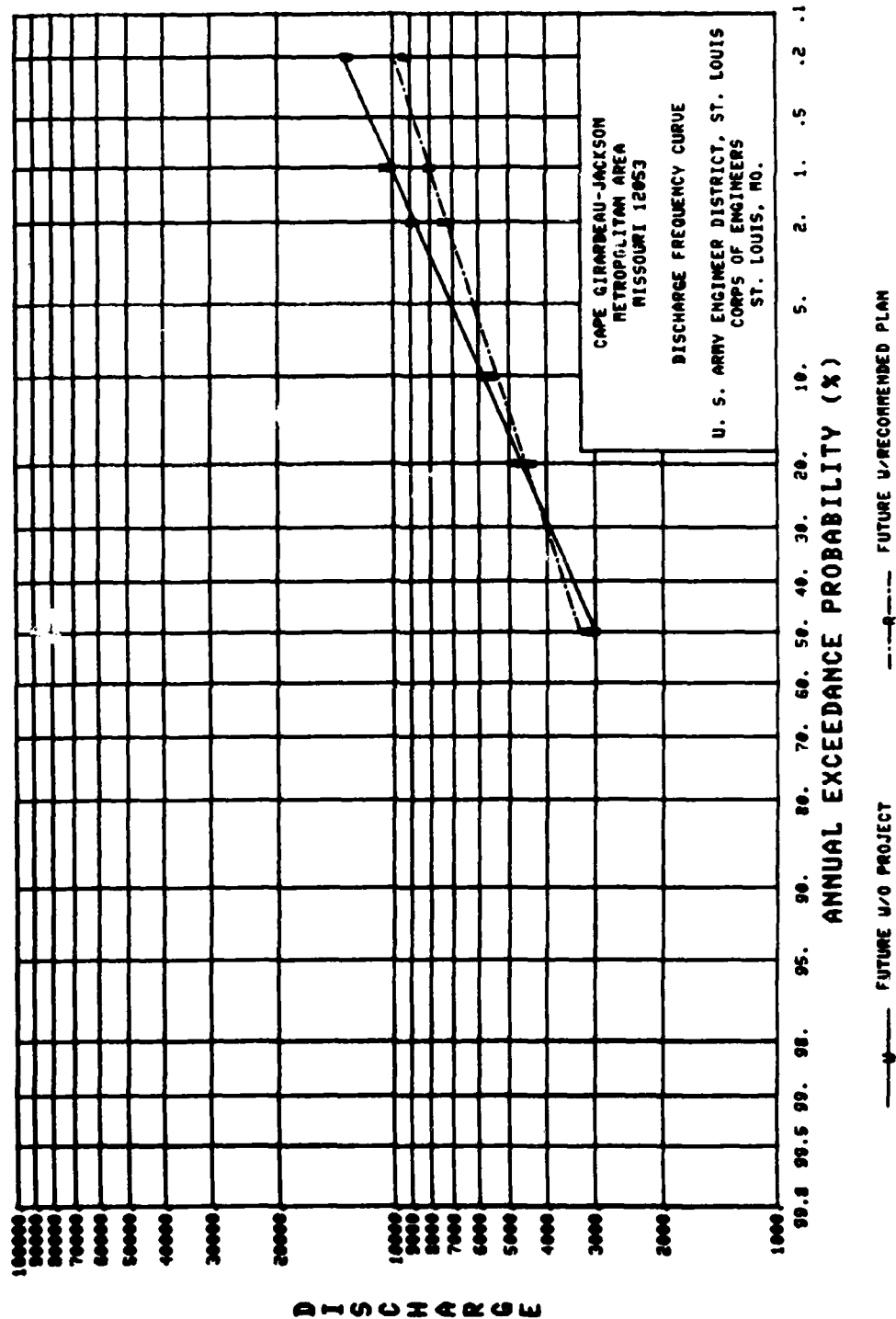
FUTURE U/O PROJECT

FUTURE U/O PROJECT

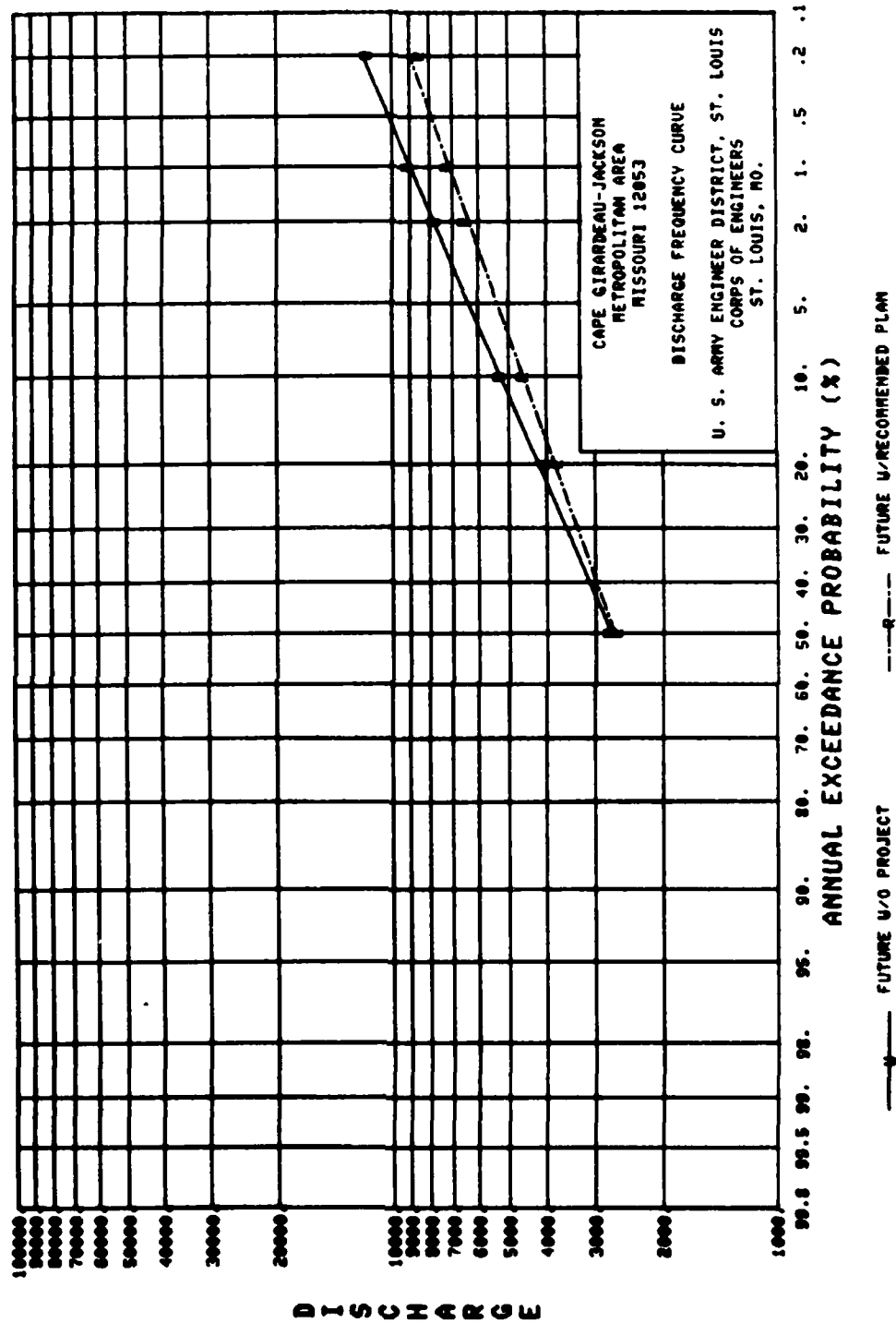
WALKER BRANCH AT MOUTH (MI 0.00)

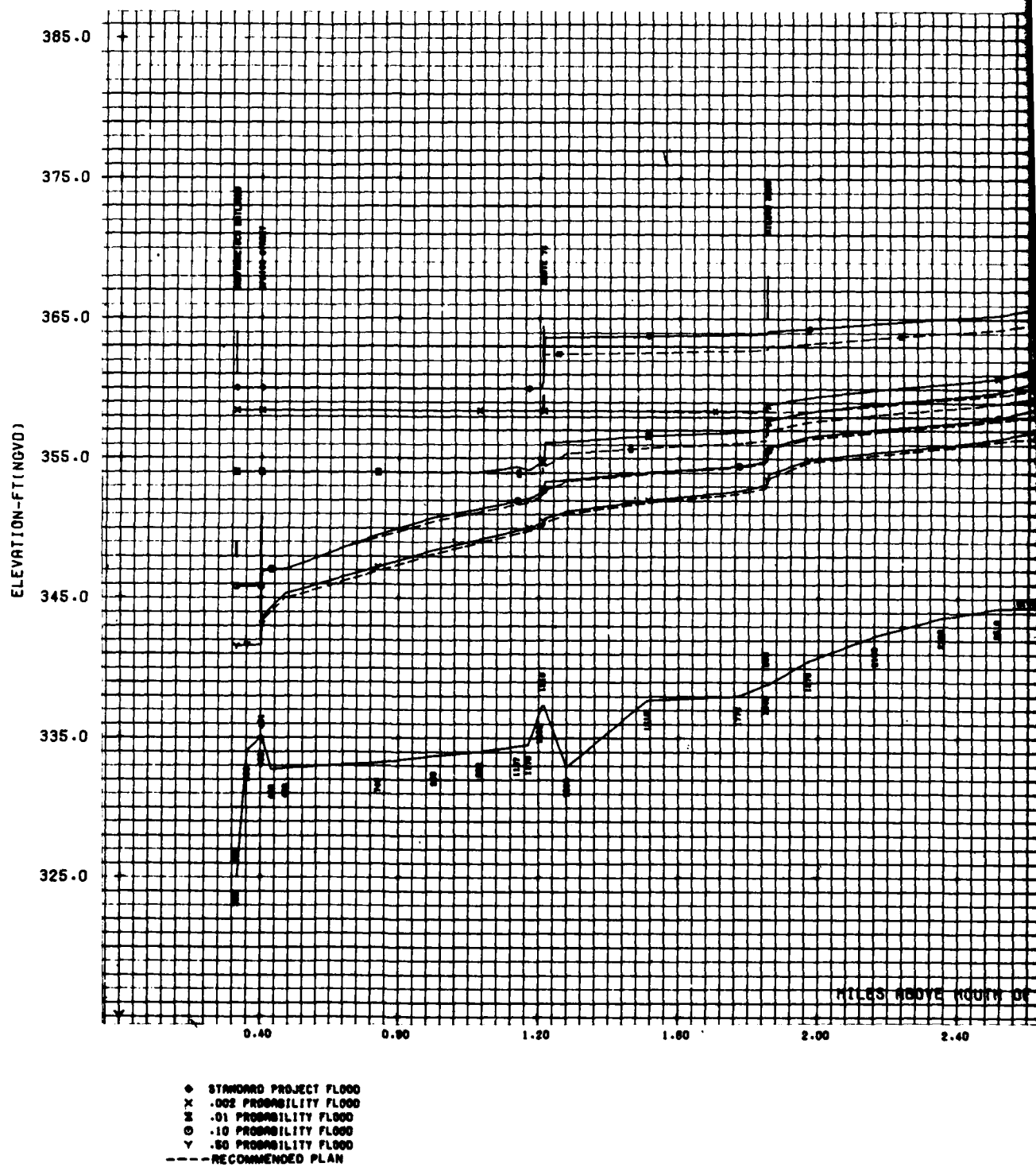


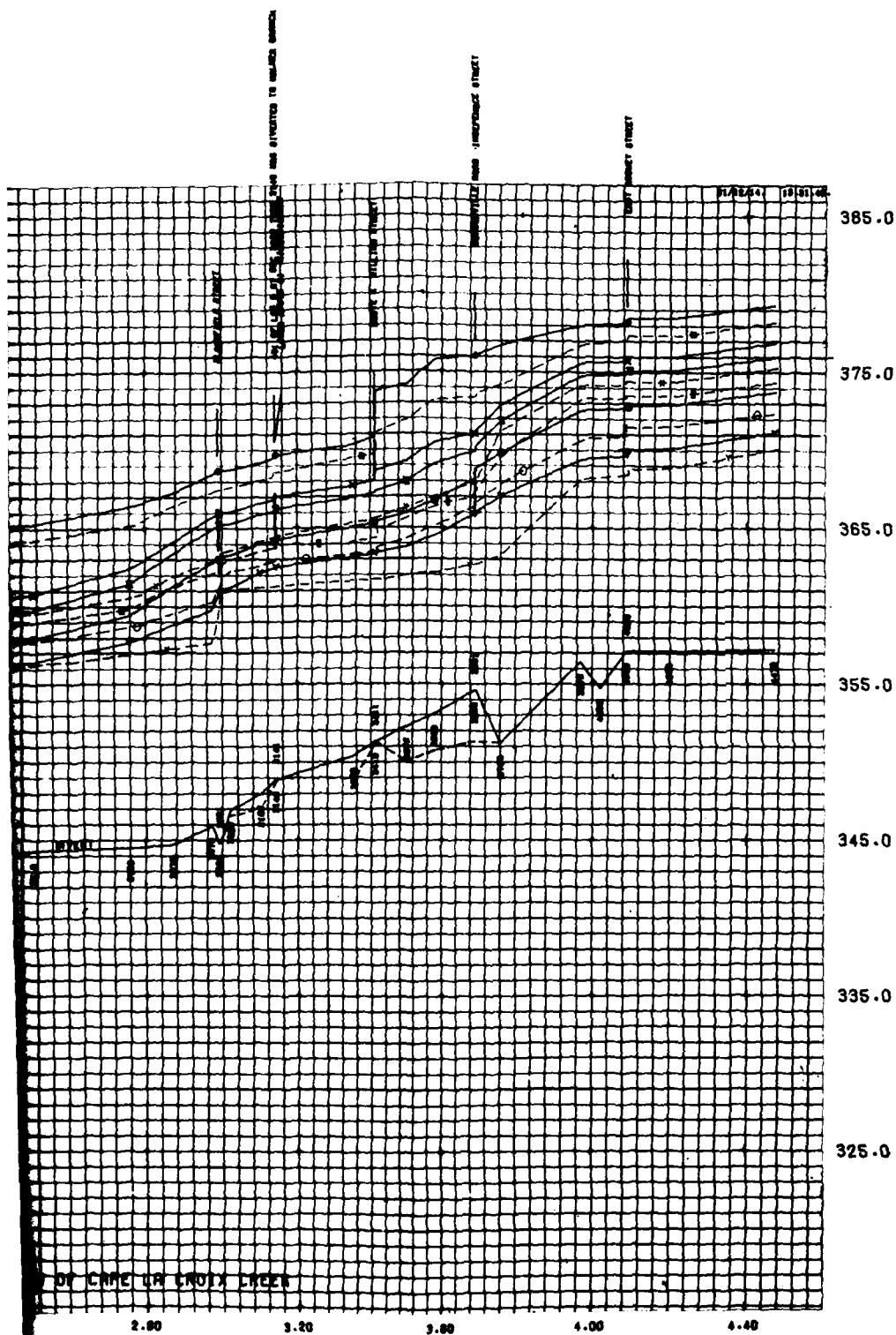
CAPE LA CROIX CREEK BELOW WALKER BRANCH



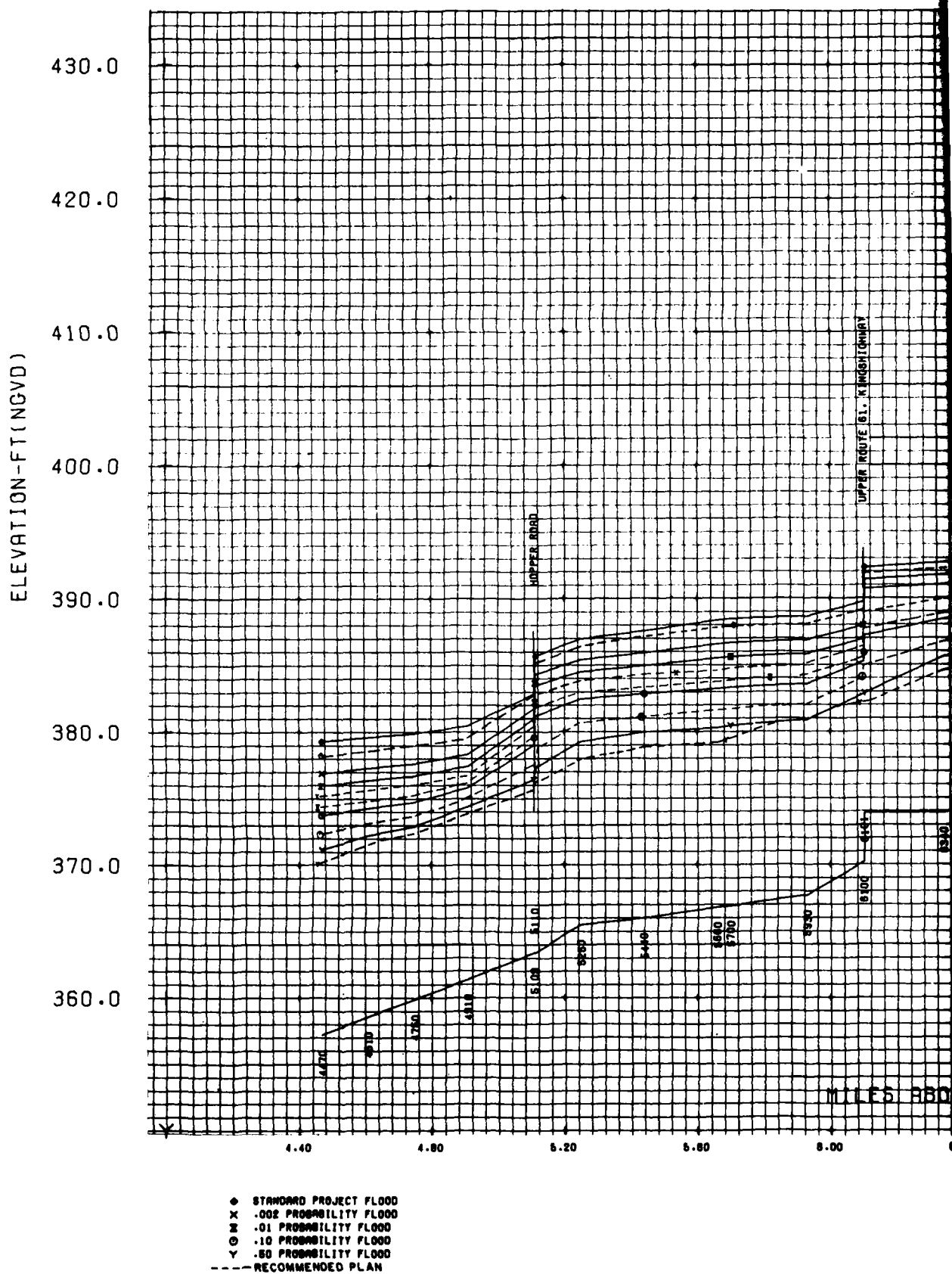
CAPE LA CROIX AT MOUTH (MI 0.00)

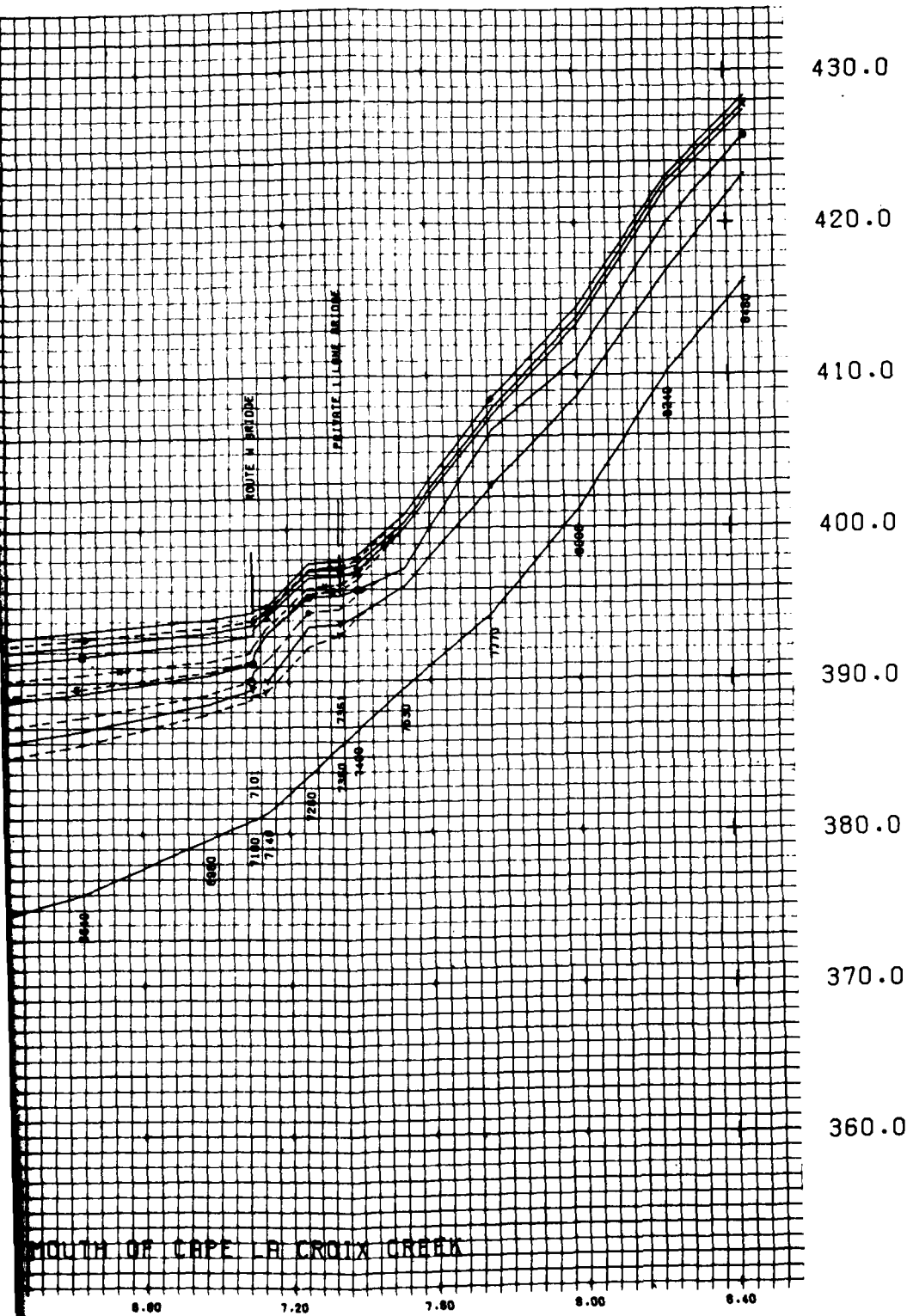






CAPE GRANDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 1963
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT VS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.





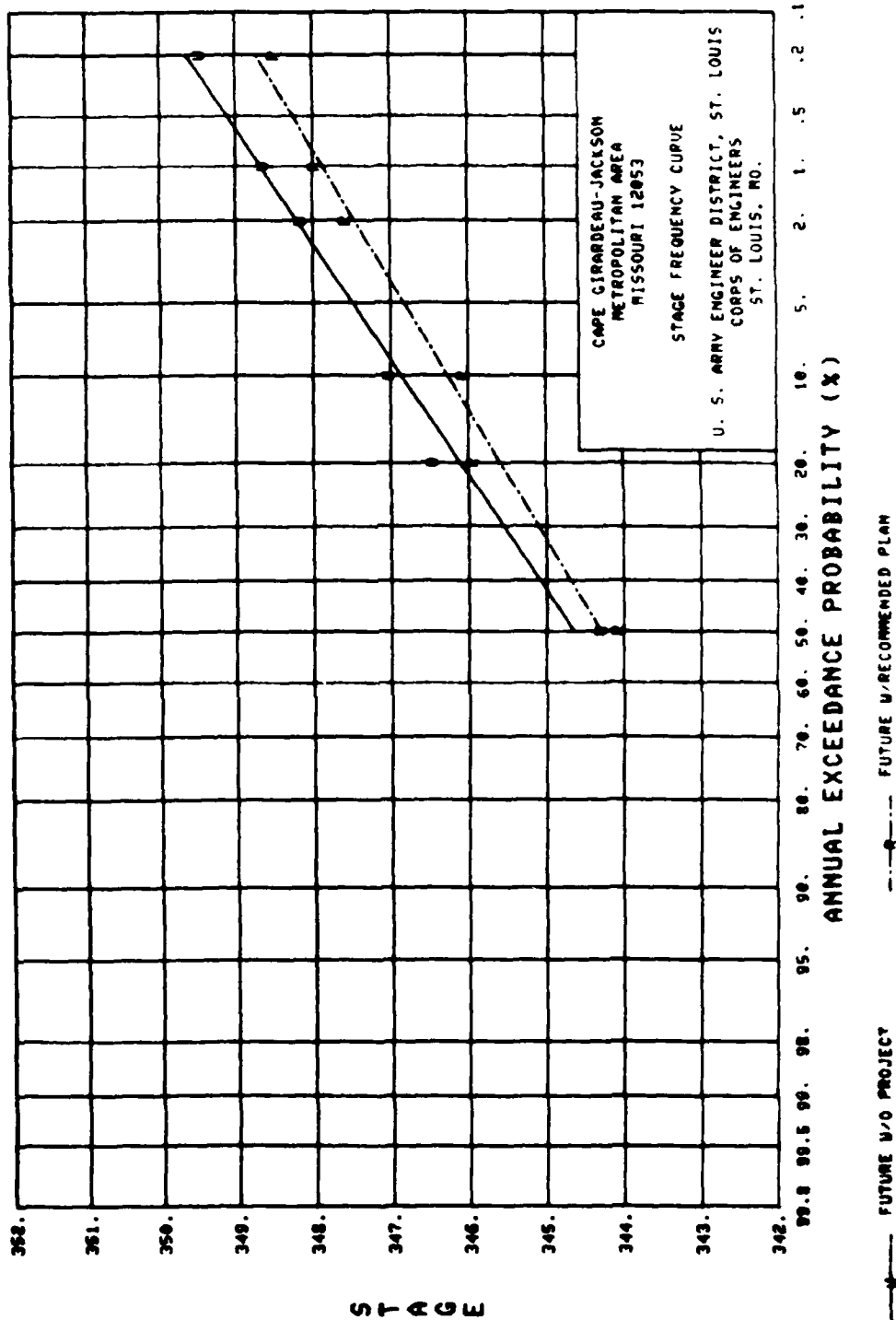
MOUTH OF CAPE LA CROIX CREEK

CAPE GRASBEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT VS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

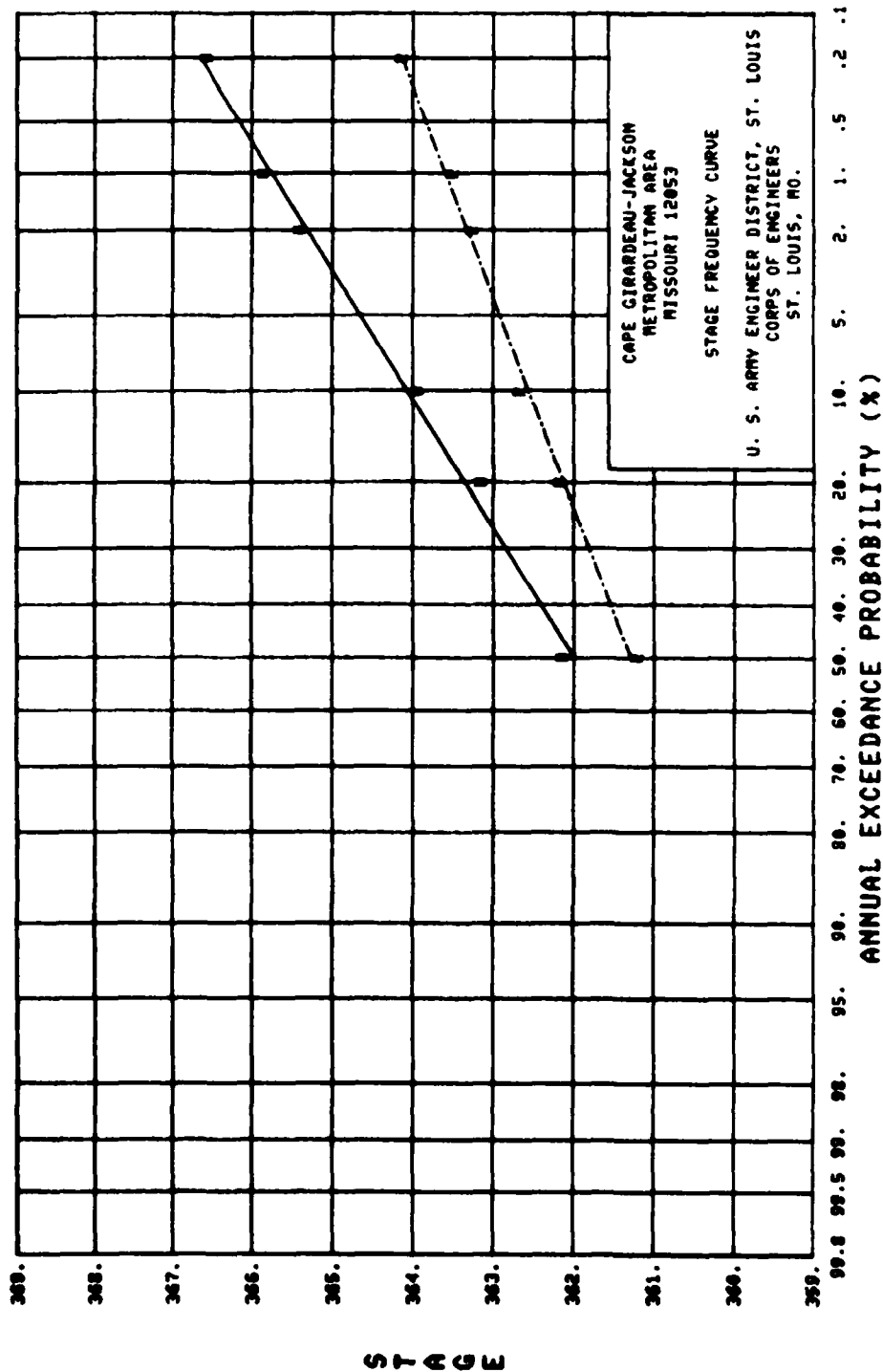
PLATE D-69

2

CAPE LA CROIX CREEK AT MILE 0.43



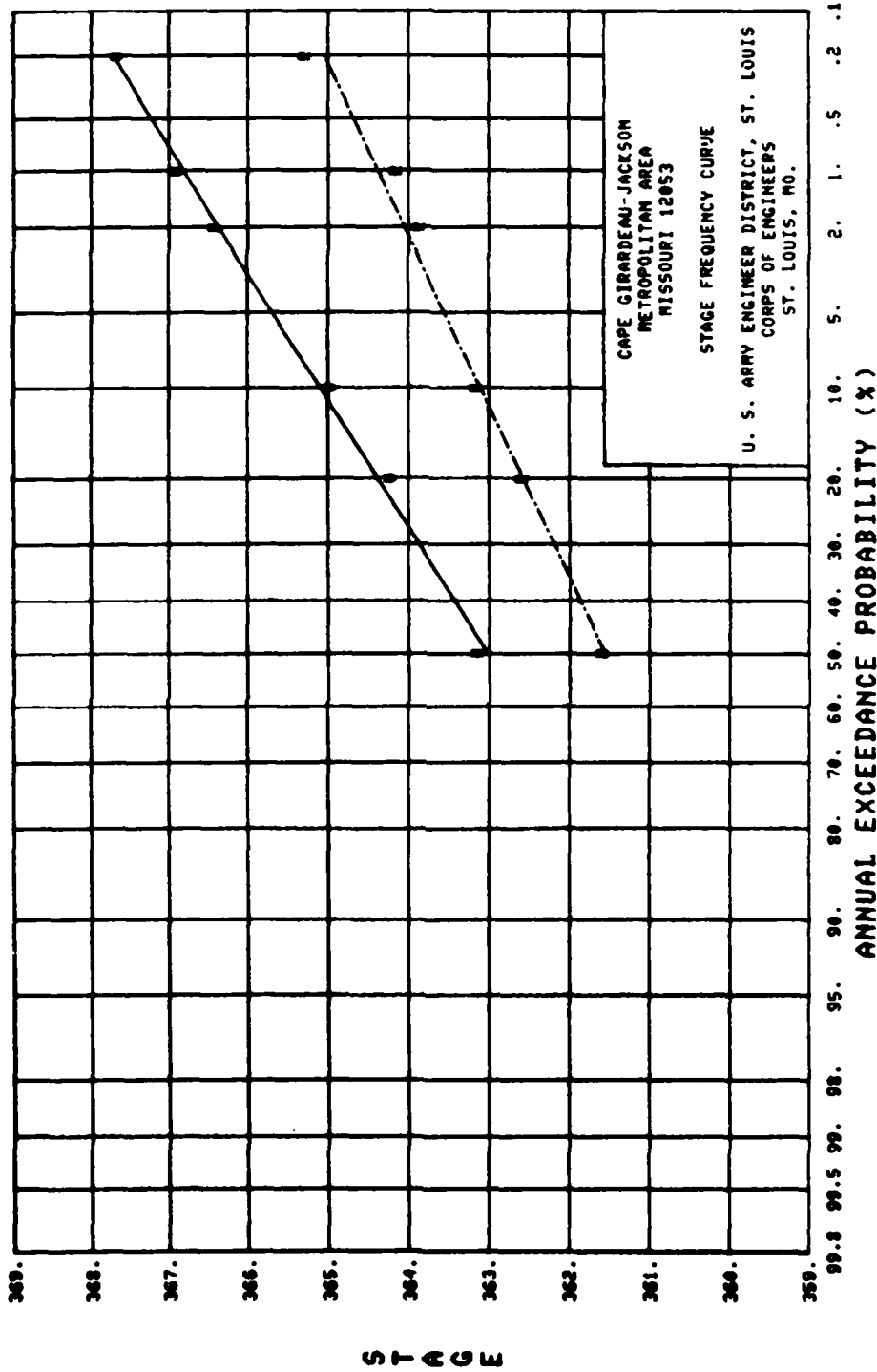
CAPE LA CROIX CREEK AT MILE 3.10



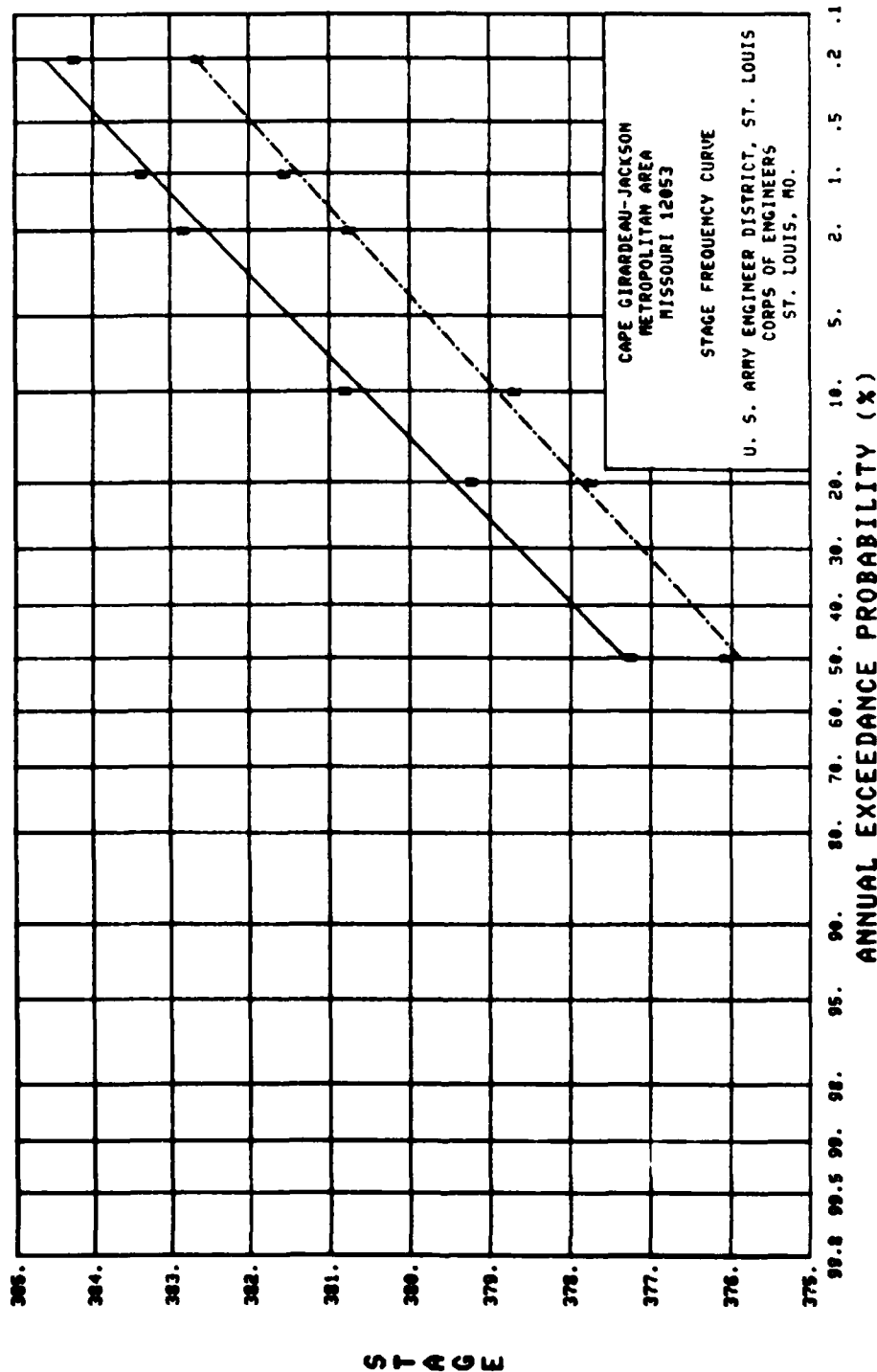
—●— FUTURE U/O PROJECT

---●--- FUTURE U/RECOMMENDED PLAN

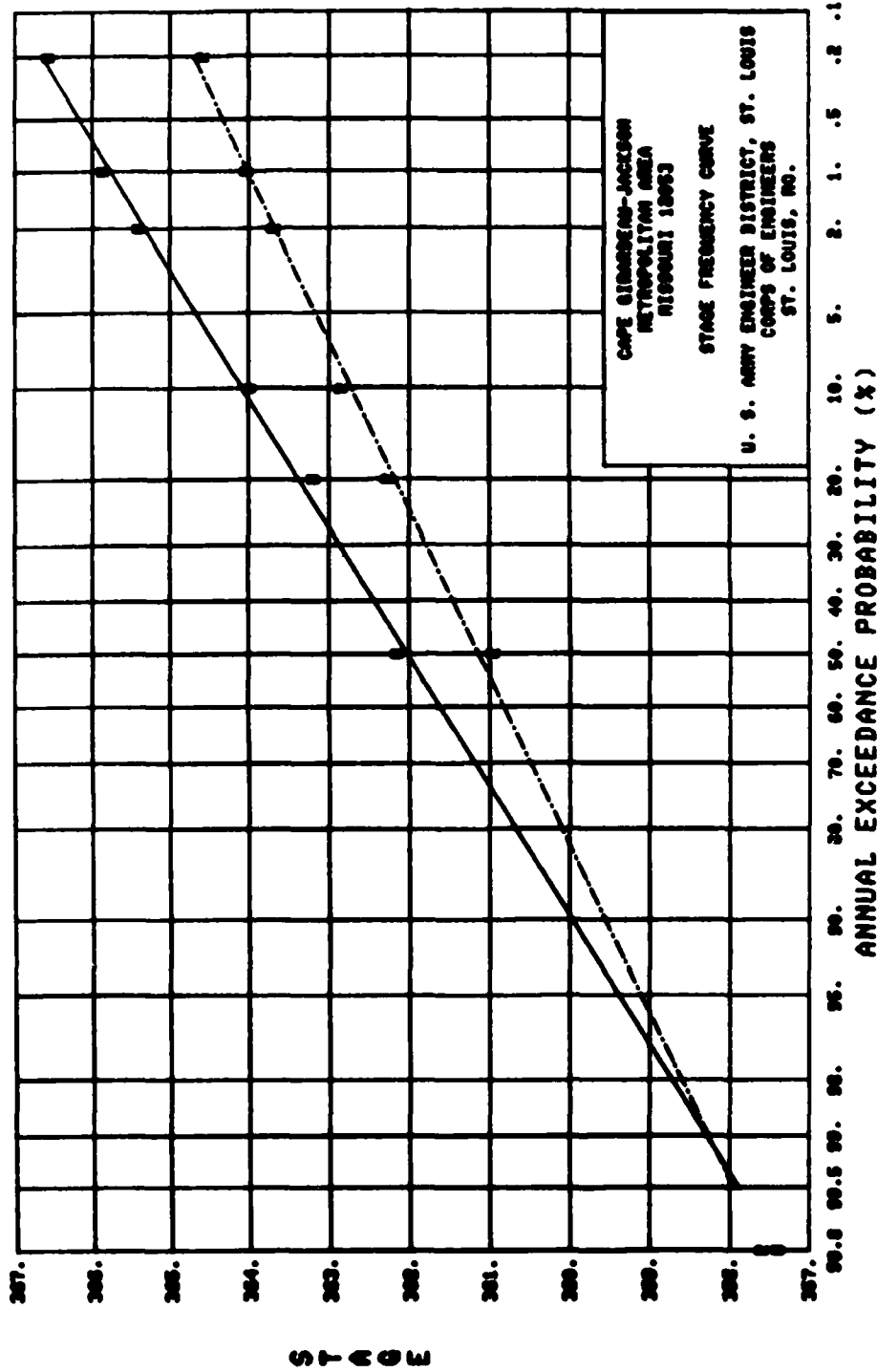
CAPE LA CROIX CREEK AT MILE 3.35



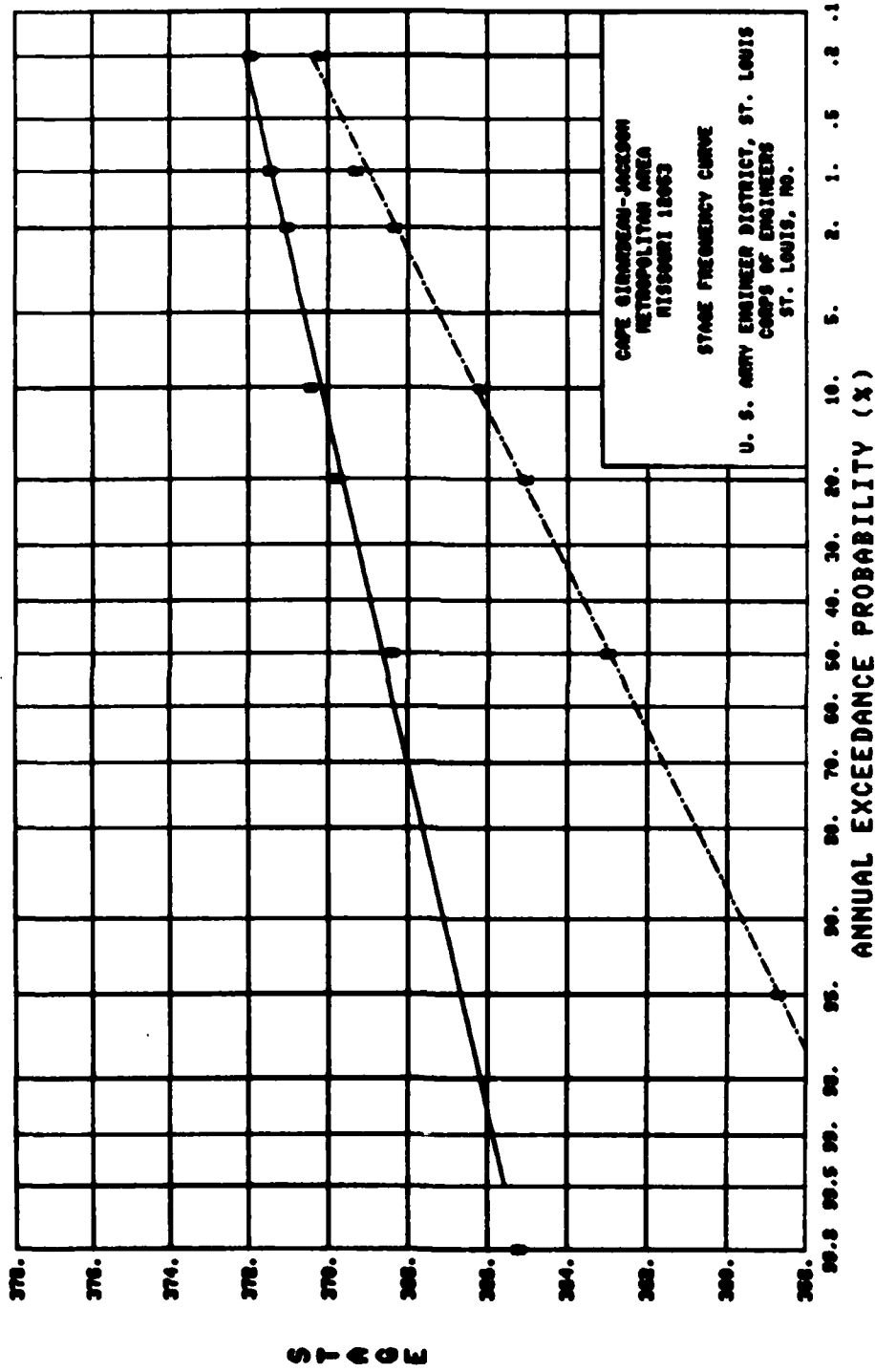
CAPE LA CROIX CREEK AT MILE 5.11



WALKER BRANCH AT MILE 0.30



WALKER BRANCH AT MILE 0.59





N.



LEGEND



10% PROBABILITY

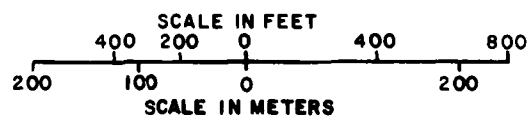


1% PROBABILITY



STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-77

2

CORPS OF ENGINEERS

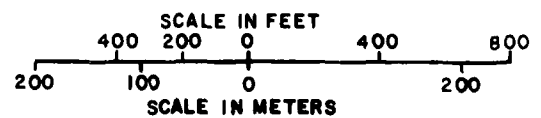


U S ARMY



LEGEND

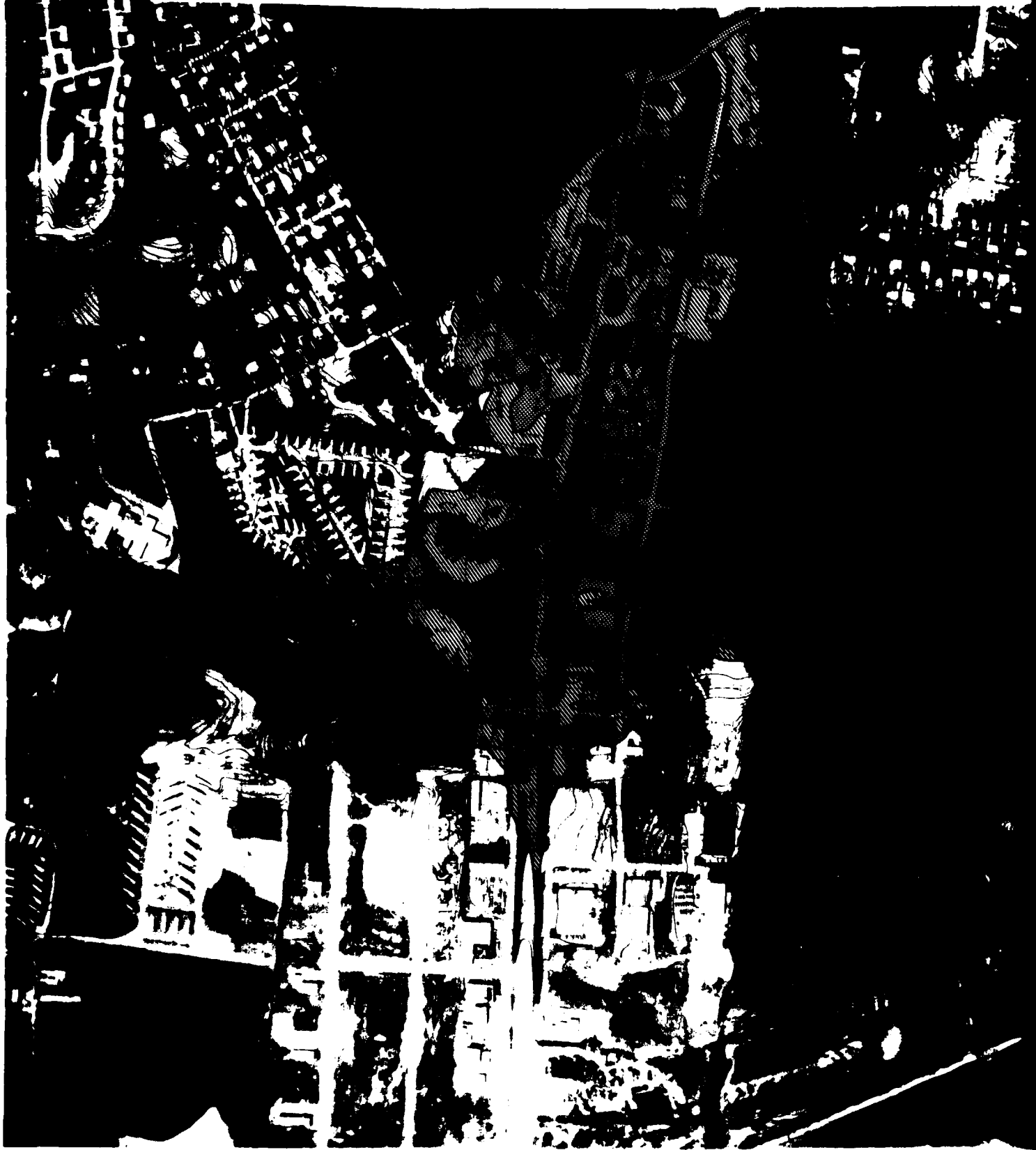
-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-78

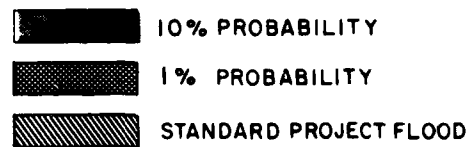
CORPS OF ENGINEERS



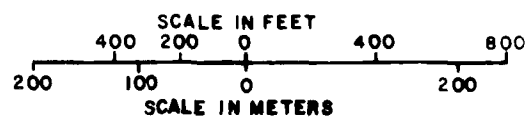
U.S. ARMY



LEGEND



10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-79

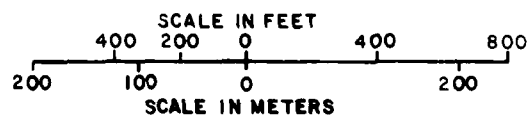




LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
WALKER BRANCH
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

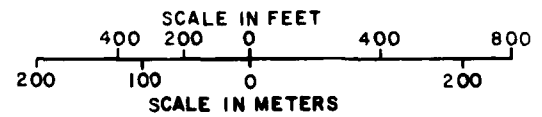
CORPS OF ENGINEERS





LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
WALKER BRANCH
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

CORPS OF ENGINEERS





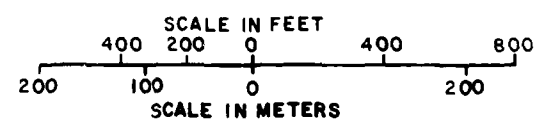
N.



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
WALKER BRANCH
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
COMPS OF ENGINEERS
ST. LOUIS, MO.

CORPS OF ENGINEERS

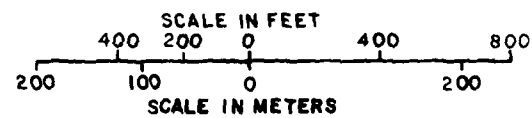
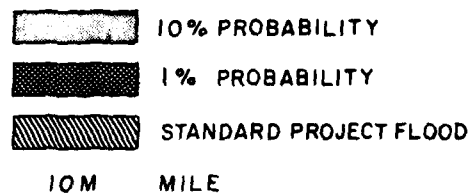


U S ARMY

N.



LEGEND



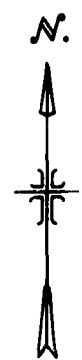
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE D-83



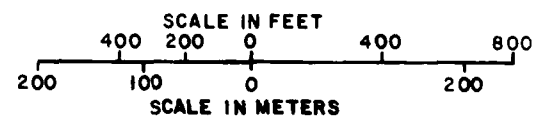


U.S. ARMY



LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10M MILE



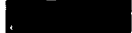
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

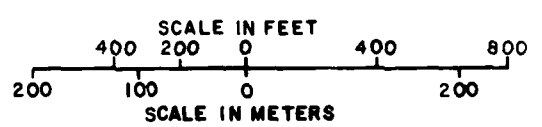
CORPS OF ENGINEERS





LEGEND

-  10% PROBABILITY
 -  1% PROBABILITY
 -  STANDARD PROJECT FLOOD
- 10 M MILE



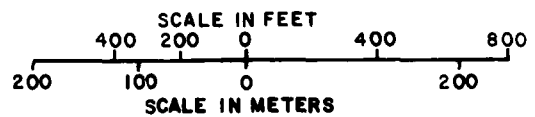
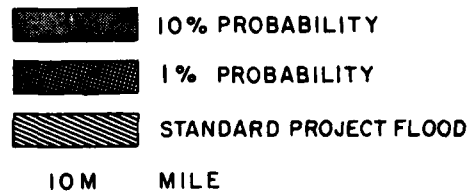
CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053
CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



U. S. ARMY



LEGEND

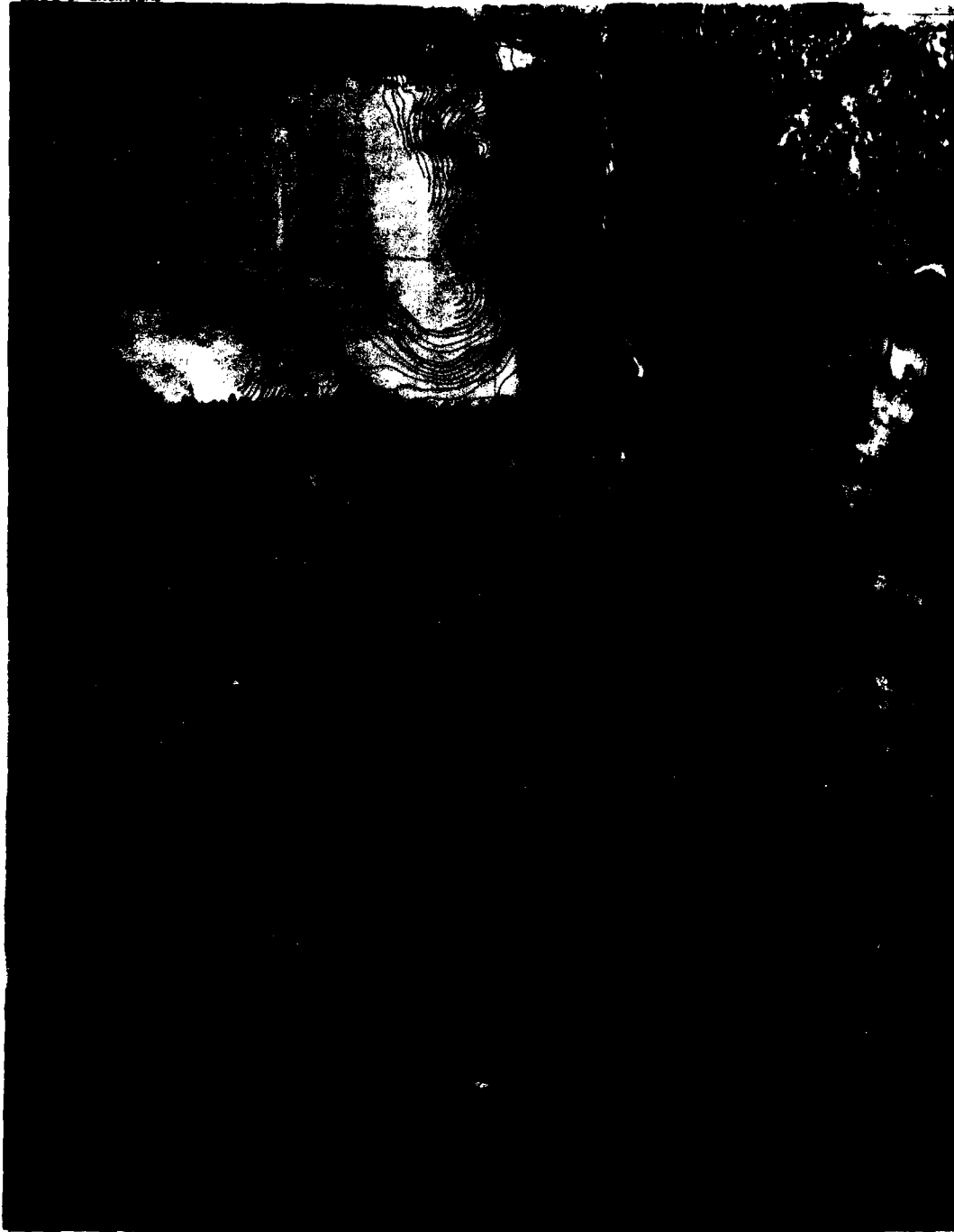


CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

OFFICE OF ENGINEERS



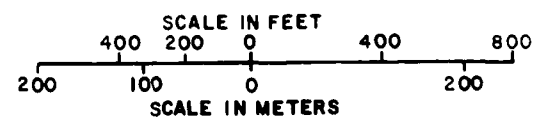
U. S. ARMY



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



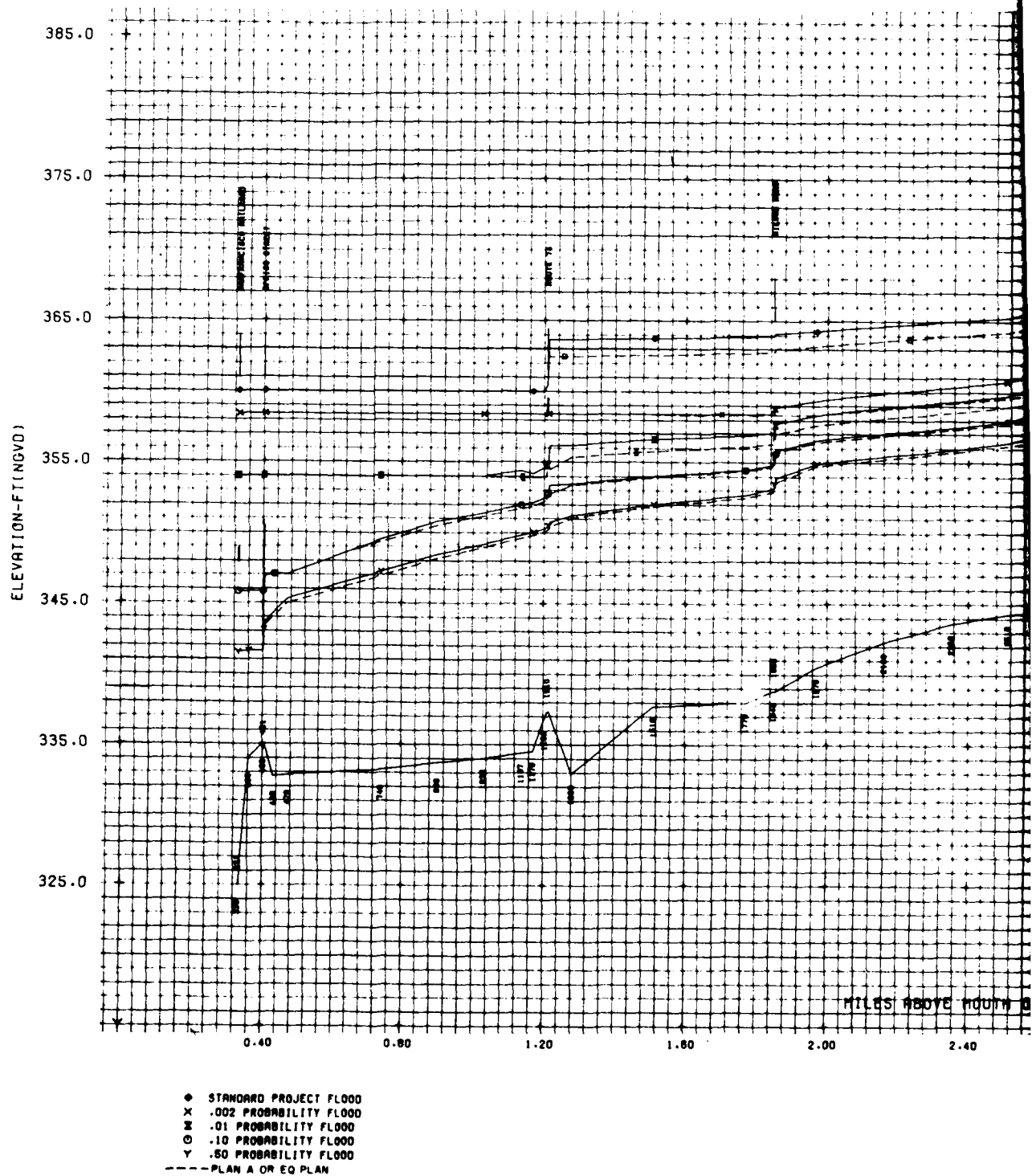
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

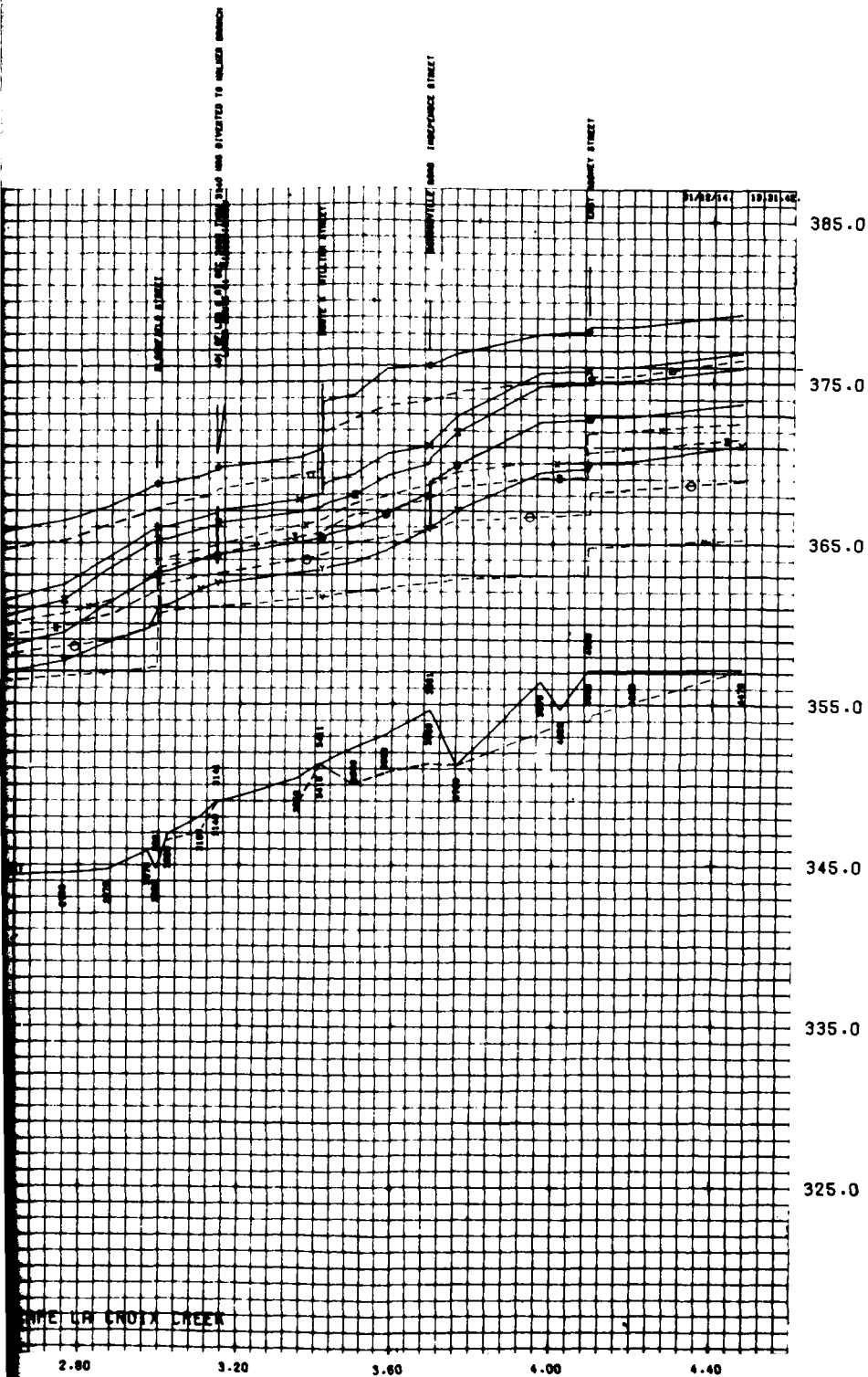
**CAPE LA CROIX CREEK
FLOODED AREAS
FUTURE W/RECOMMENDED PLAN**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

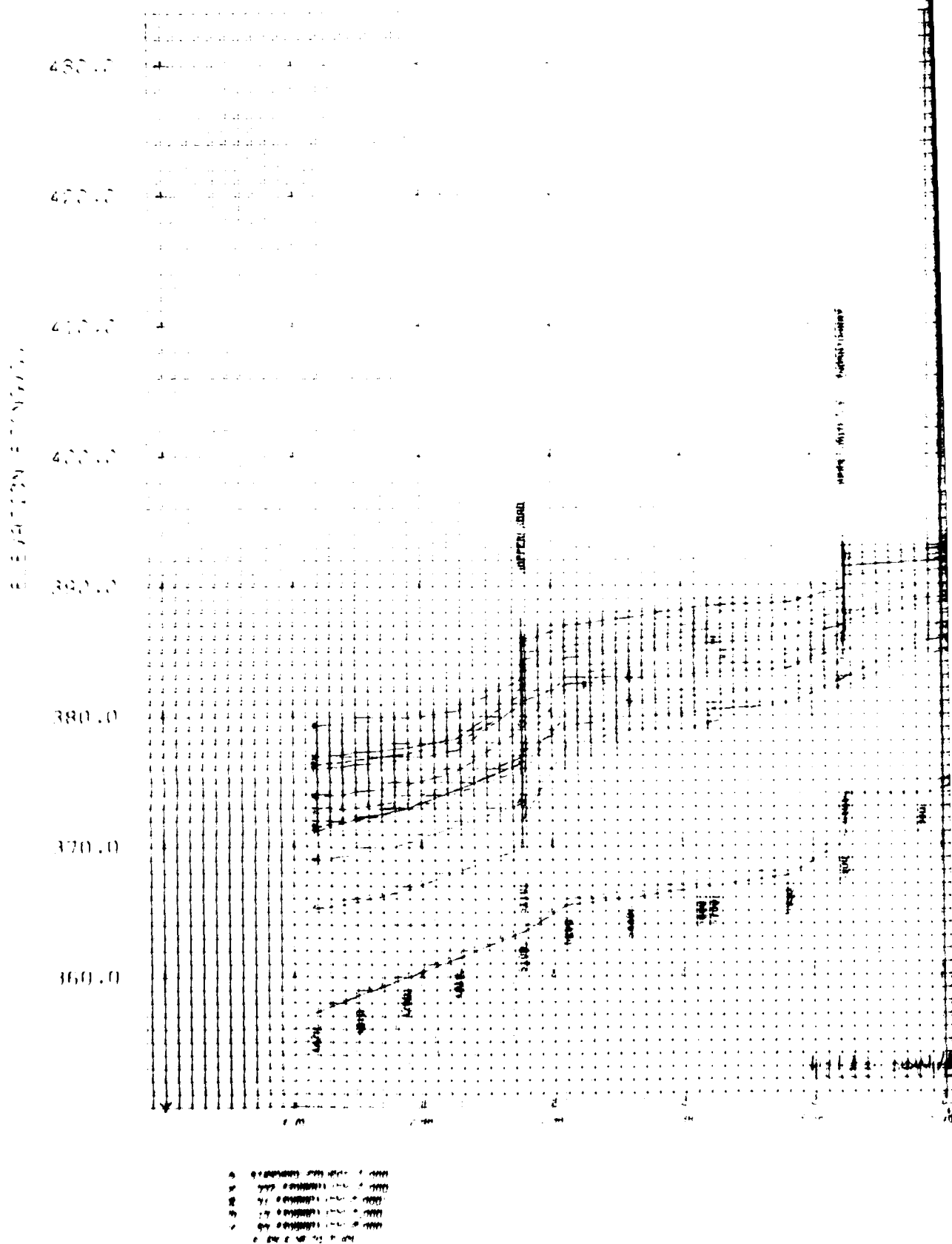
PLATE D-87

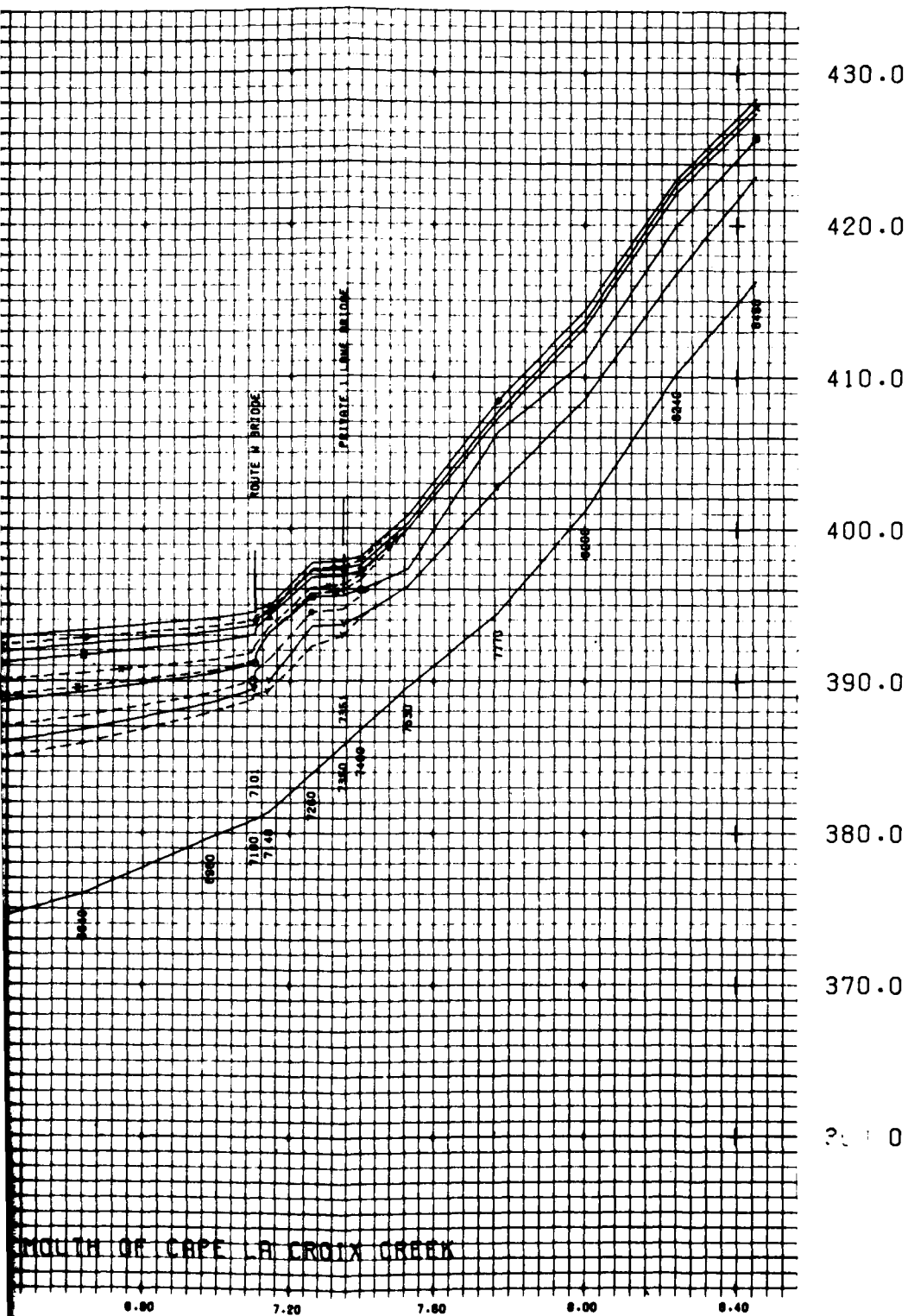
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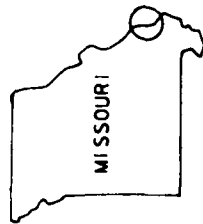


CAPE GRANDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12083
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT VS
FUTURE W/PLAN A OR EQ PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

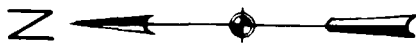




CAPE GRASBEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12083
WATER SURFACE PROFILES
CAPE LA CROIX CREEK
FUTURE W/O PROJECT VS
FUTURE W/PLAN A OR EQ PLAN
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



MISSOURI



SCALE IN FEET
4000 2000 0 4000 8000

CAPE GIRARDEAU
CORPORATE LIMITS

MI 55

DETENTION
RESERVOIR
(SEE PLATE E-II)

BOUNDARY

WATER

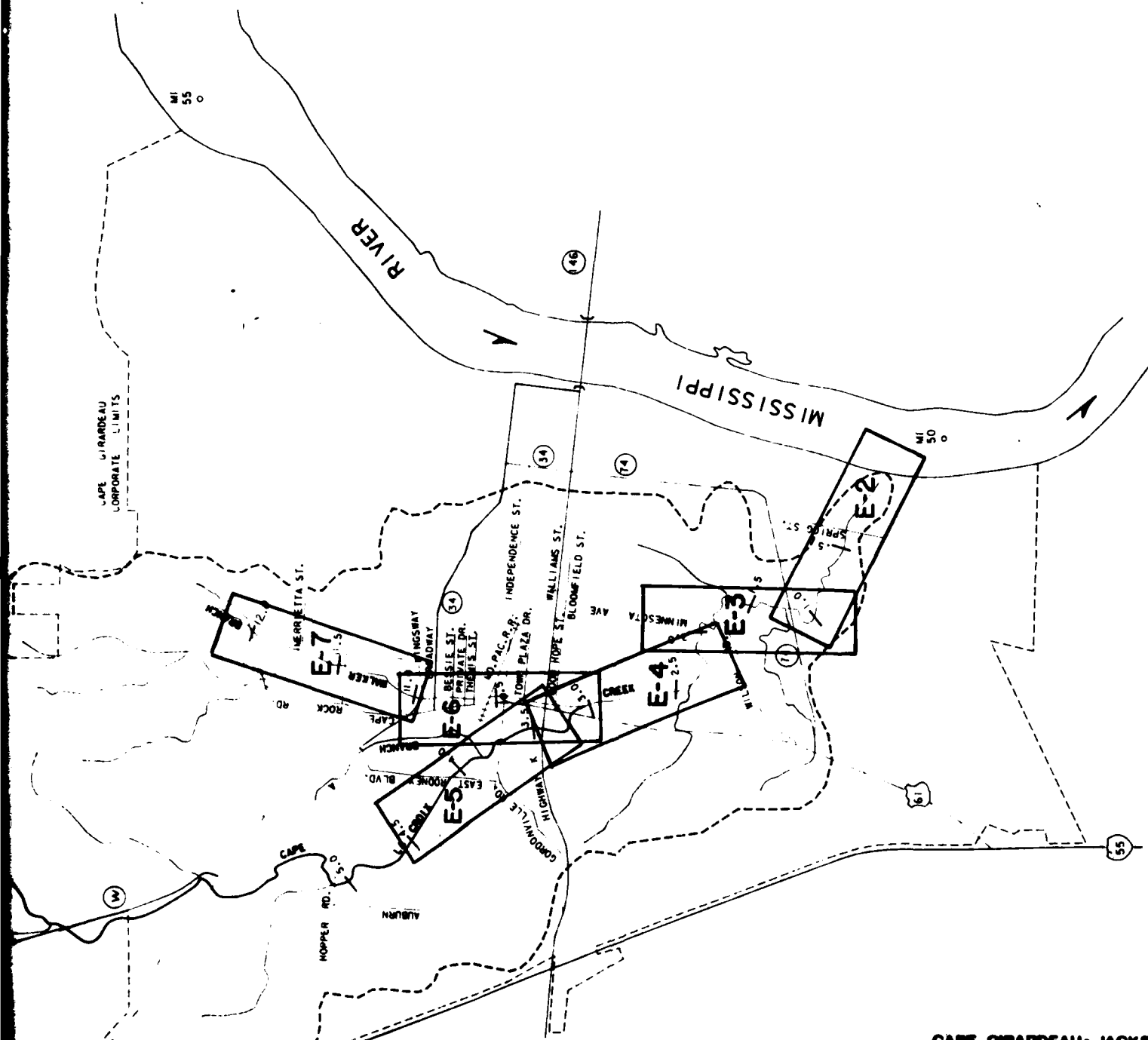
HERMETTA ST.

RD

CAPE

55

51



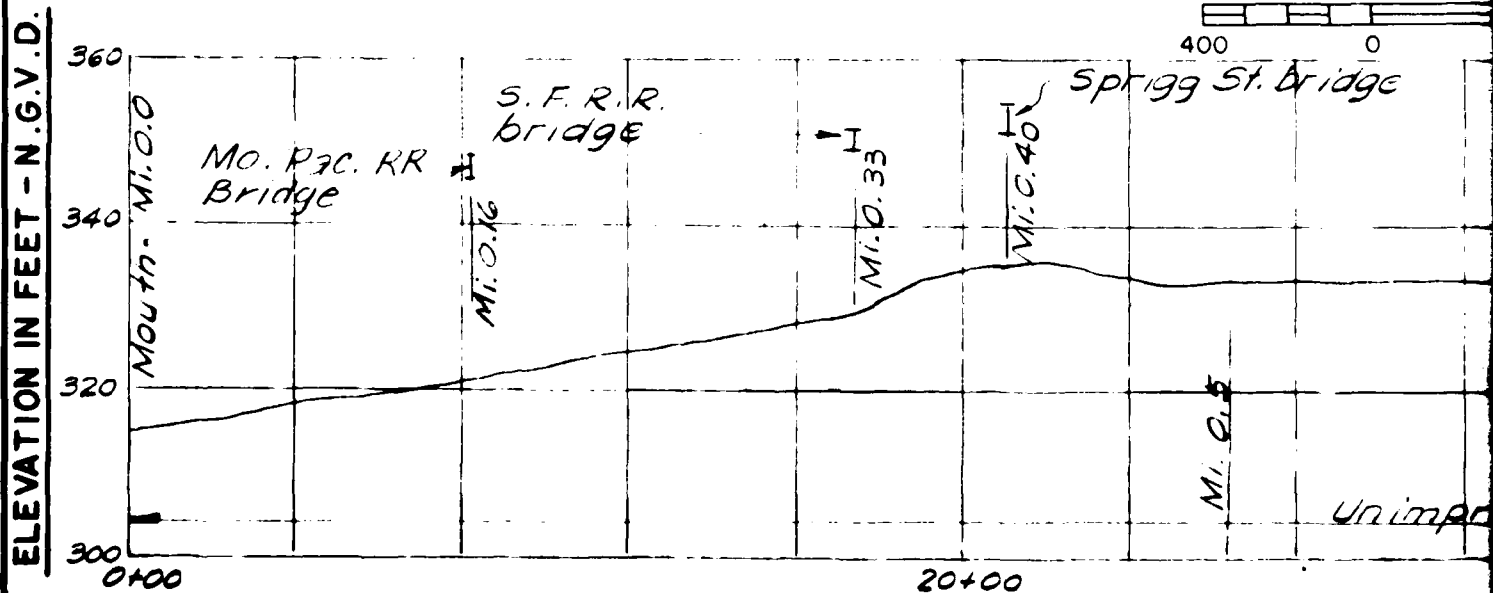
CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12063
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
LAYOUT OF PLATES

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



PLA

SCALE IN



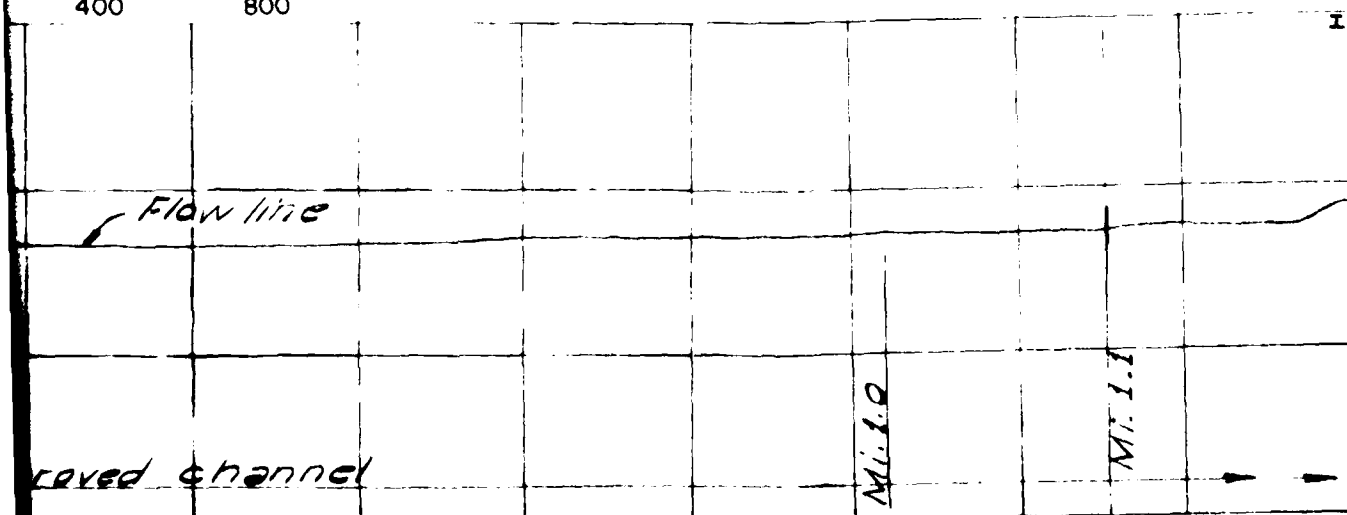
PROF



AN

IN FEET

400 800



40+00

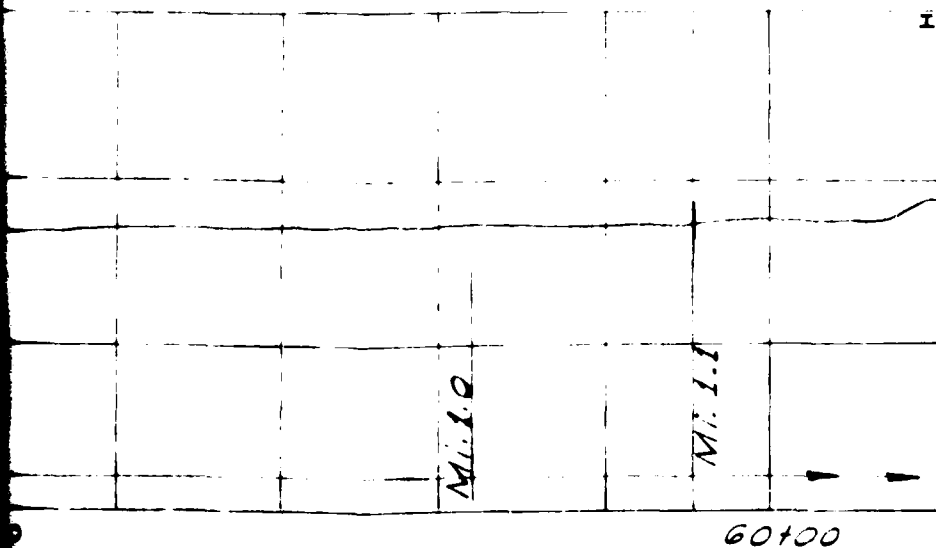
60+00

CAPE GIRARDEAU-
METROPOLITAN
MISSOURI IS
RECOMMENDED
FLOOD CONTROL C
CAPE LA CROI
PLAN AND P
U.S. ARMY ENGINEER DIST
CORPS OF ENG
ST. LOUIS

FILE

PLA

2



CAPE GIRANDEAU - JACKSON
 METROPOLITAN AREA
 MISSOURI 12053
 RECOMMENDED PLAN
 FLOOD CONTROL COMPONENTS
 CAPE LA CROIX CREEK
 PLAN AND PROFILE
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.

PLATE E-2

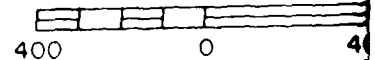
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3

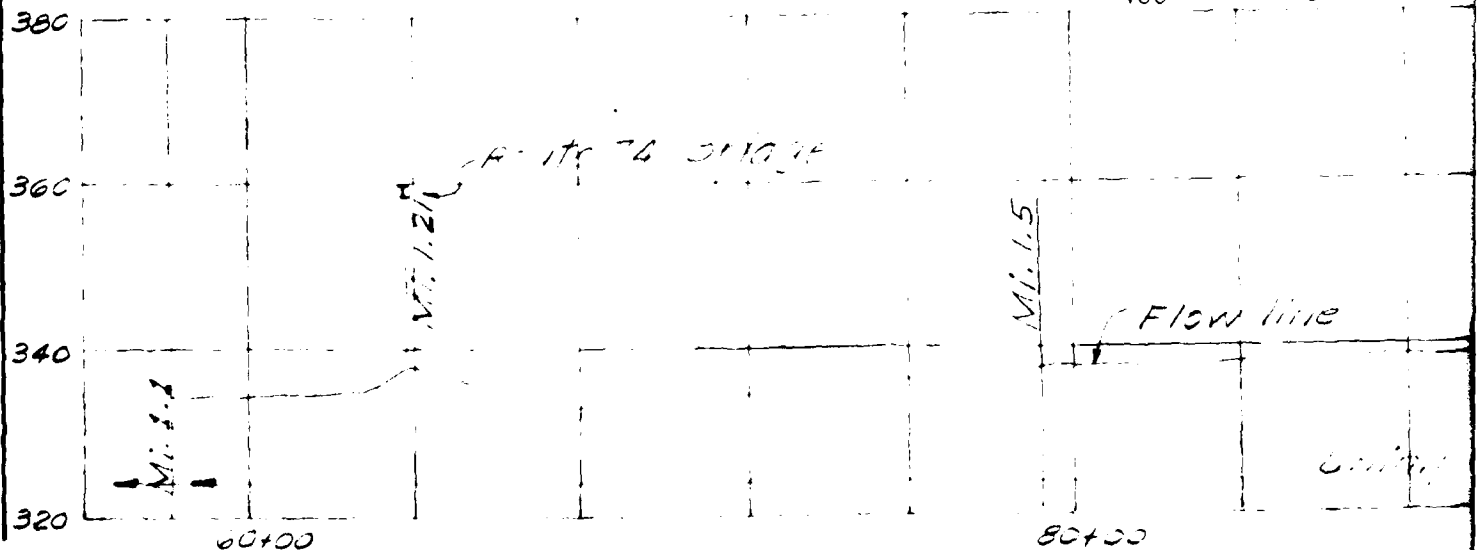


PLAN

SCALE IN FEET



ELEVATION IN FEET - N.G.V.D.



PROFI



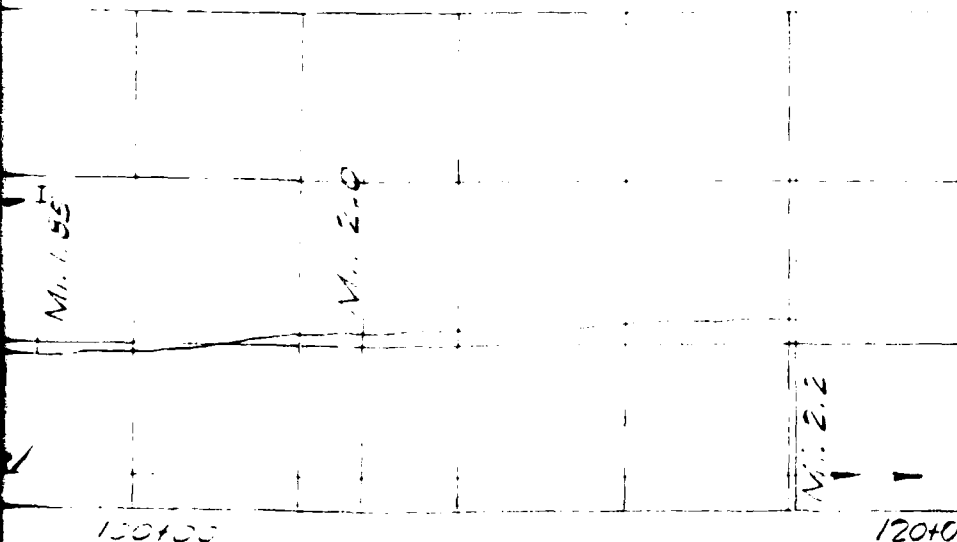
PLAN

SCALE 1:1000

PROFILE

CAPE
ME
RECO
FLOOD CO
CAPE L
PLAN

1201700
U.S. ARMY



CAPE GIRARDEAU JACKSON
METROPOLITAN AREA
MISSOURI 12053
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
CAPE LA CROIX CREEK
PLAN AND PROFILE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

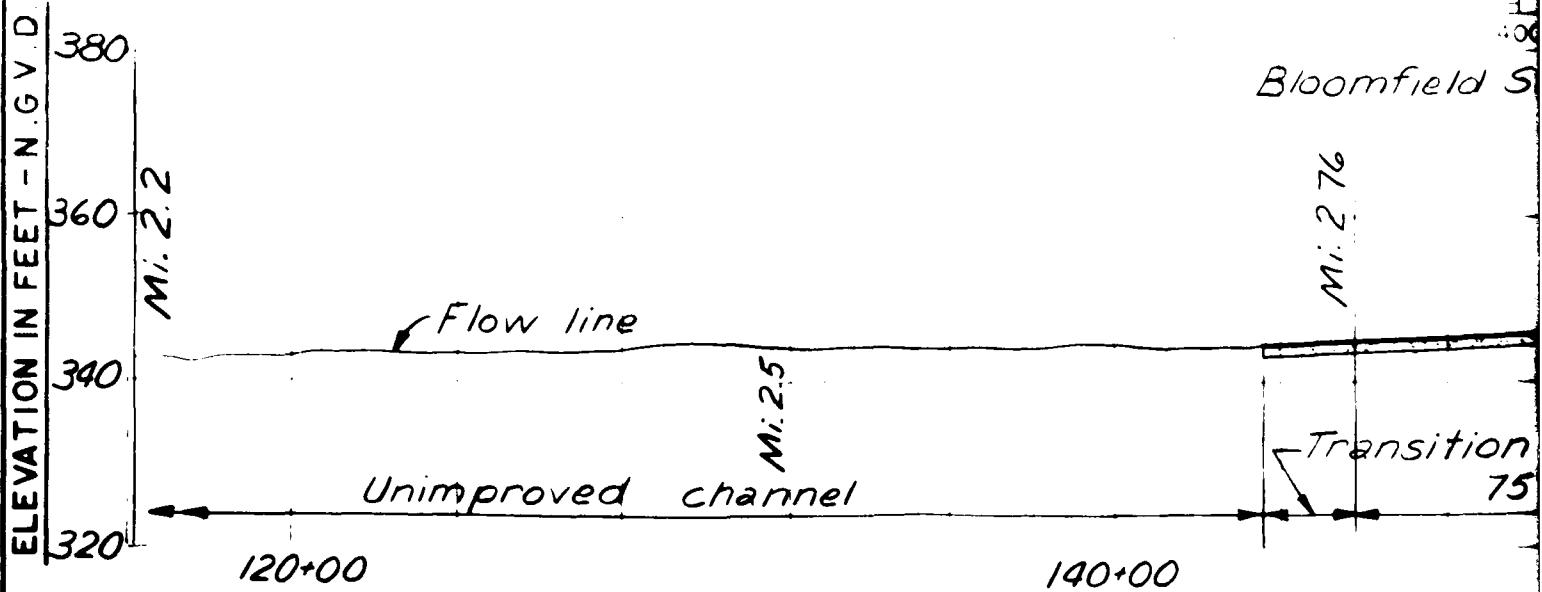
PLATE E-3

3



PLAN

Bloomfield S



PROFIL



LEGEND

PLAN

CONCRETE
CHANNEL
EARTH
CHANNEL
RIPRAPPED
CHANNEL

PROFILE

CONCRETE
CHANNEL
EARTH
CHANNEL
RIPRAPPED
CHANNEL

AN

field St. bridge

Route 61 bridge

Mi. 2.99

Mi. 3.14

Mi. 3.3

ition

75' wide concrete

channel

Transition

40' wide riprapped

channel

160+00

180+00

CAPE GIRARDEAU - M
METROPOLITAN A
MISSOURI 1201
RECOMMENDED
FLOOD CONTROL CO
CAPE LA CROIX
PLAN AND PR
U.S. ARMY ENGINEER DIST
CORPS OF ENGR
ST. LOUIS 6

FILE

PLAT



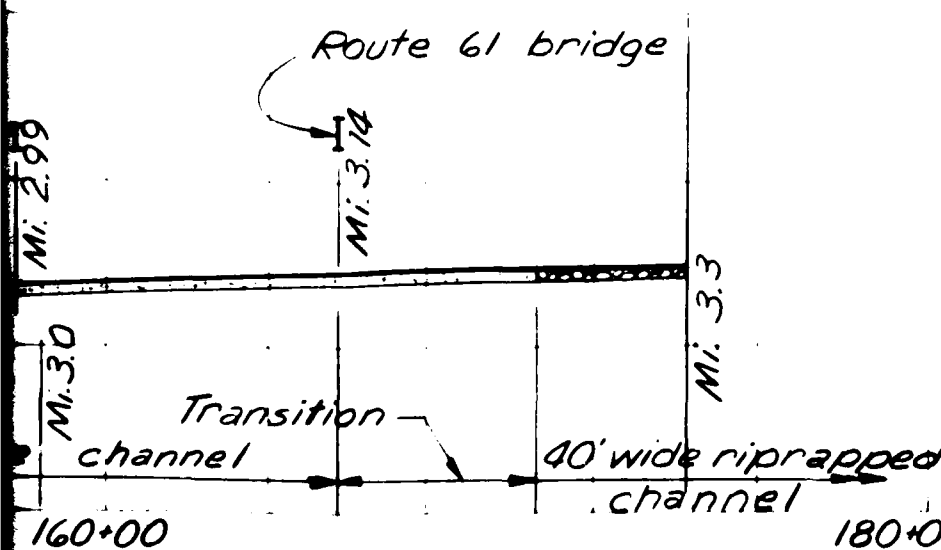
LEGEND

PLAN

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	

PROFILE

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	



CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
CAPE LA CROIX CREEK
PLAN AND PROFILE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS MO.

PLATE E-4

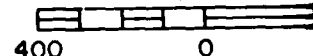
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3

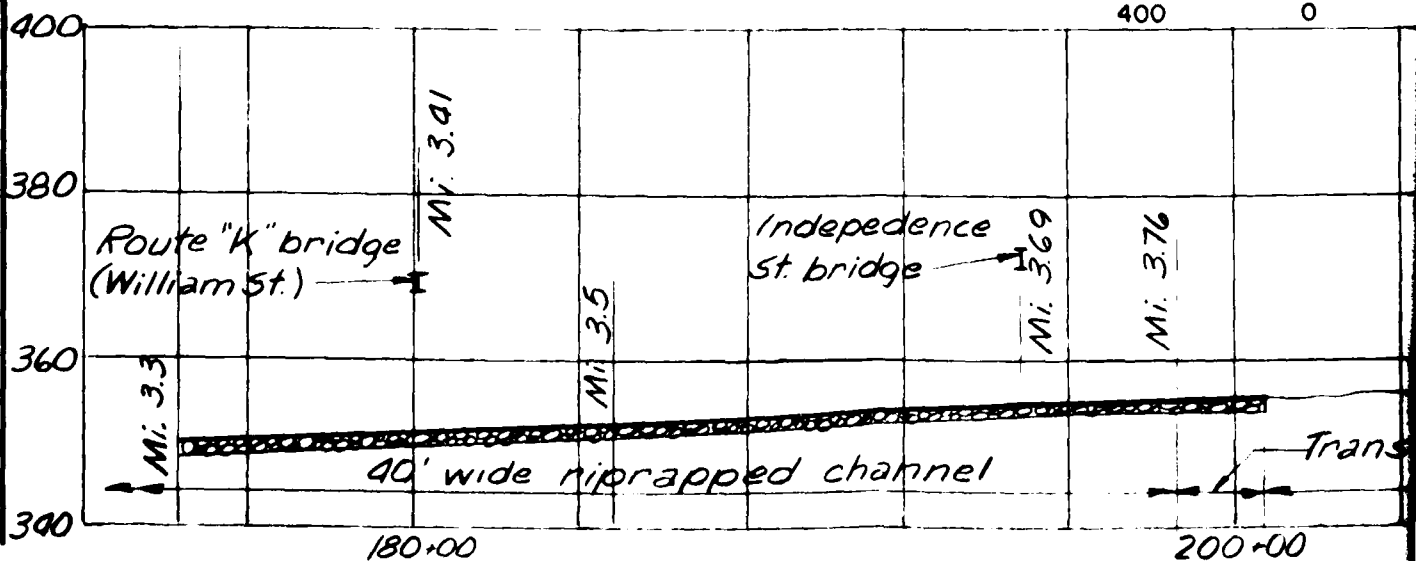


PLA

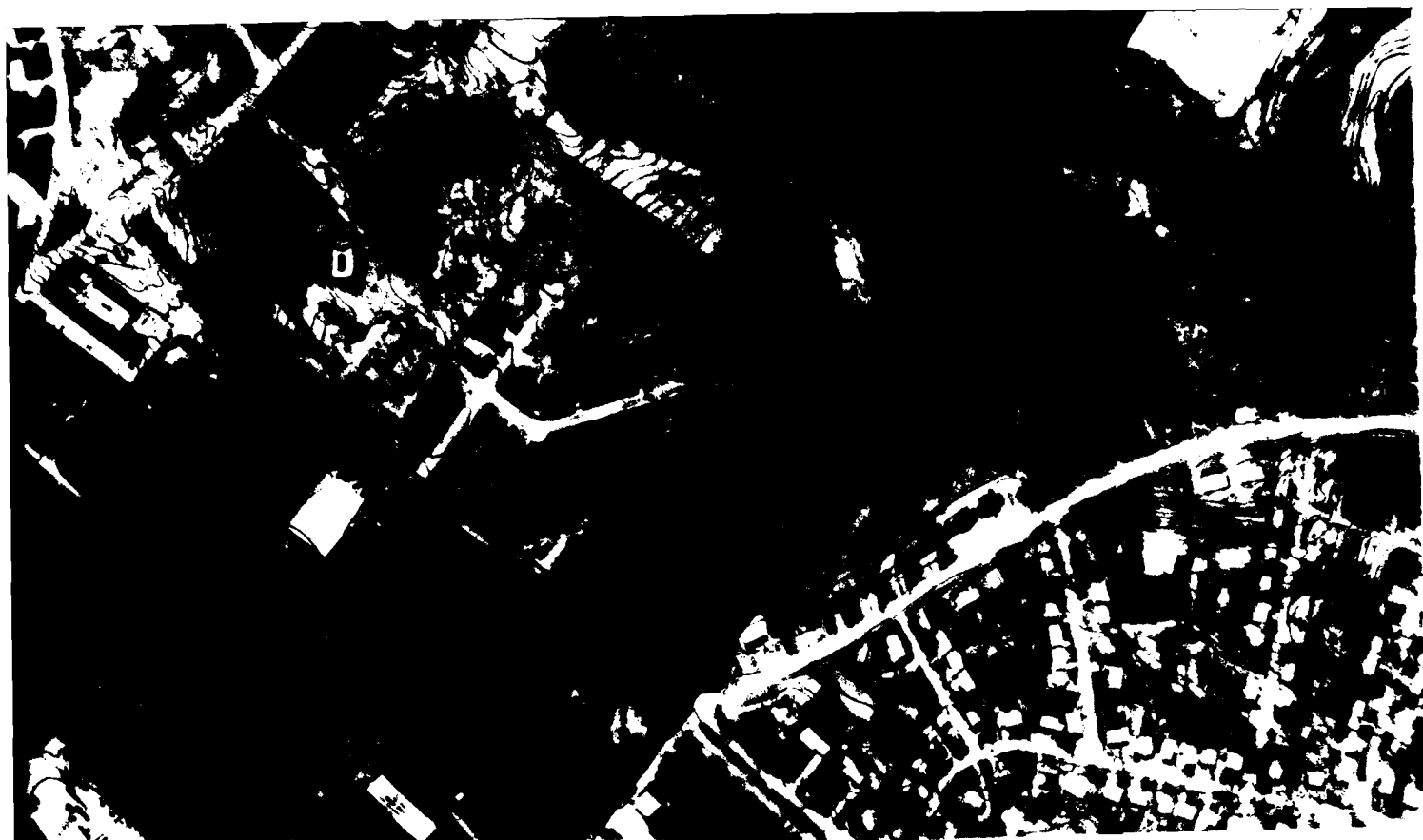
SCALE IN



ELEVATION IN FEET - N.G.V.D.



PRO



PLAN

CONCE
CHAN

EART
CHAN

RIPRA
CHAN

PROF

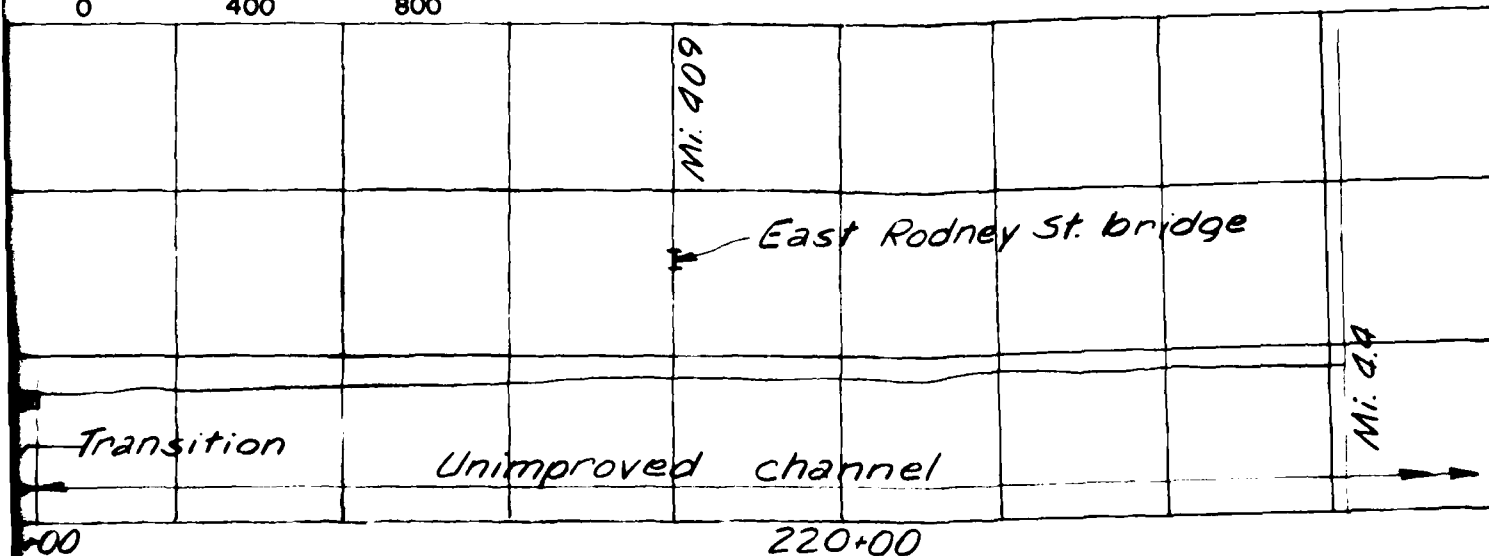
CONCE
CHAN

EART
CHAN

RIPRA
CHAN

PLAN

SCALE IN FEET



PROFILE

2.

CAPE

RE

FLOOD

CAPE

PLA

US AR



LEGEND

PLAN

CONCRETE CHANNEL

EARTH CHANNEL

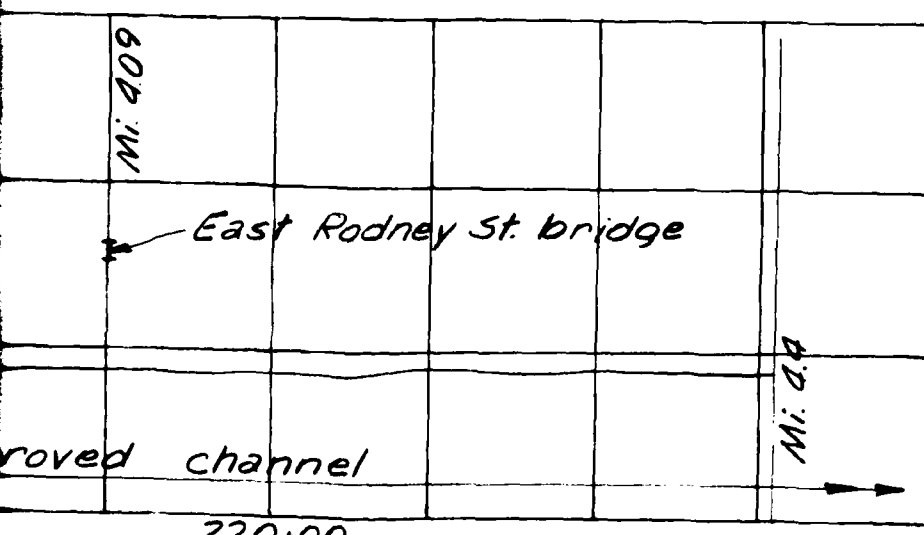
RIPRAPPED CHANNEL

PROFILE

CONCRETE CHANNEL

EARTH CHANNEL

RIPRAPPED CHANNEL

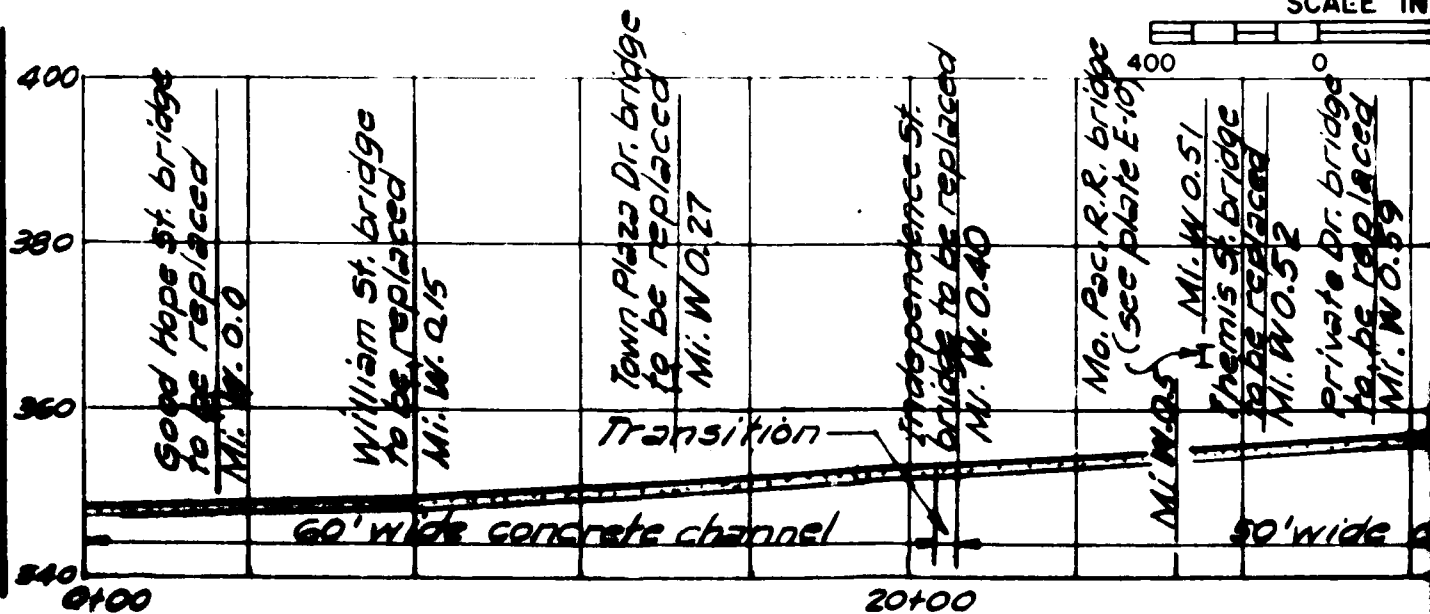


CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
CAPE LA CROIX CREEK
PLAN AND PROFILE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS MO.

PLATE E-5

3

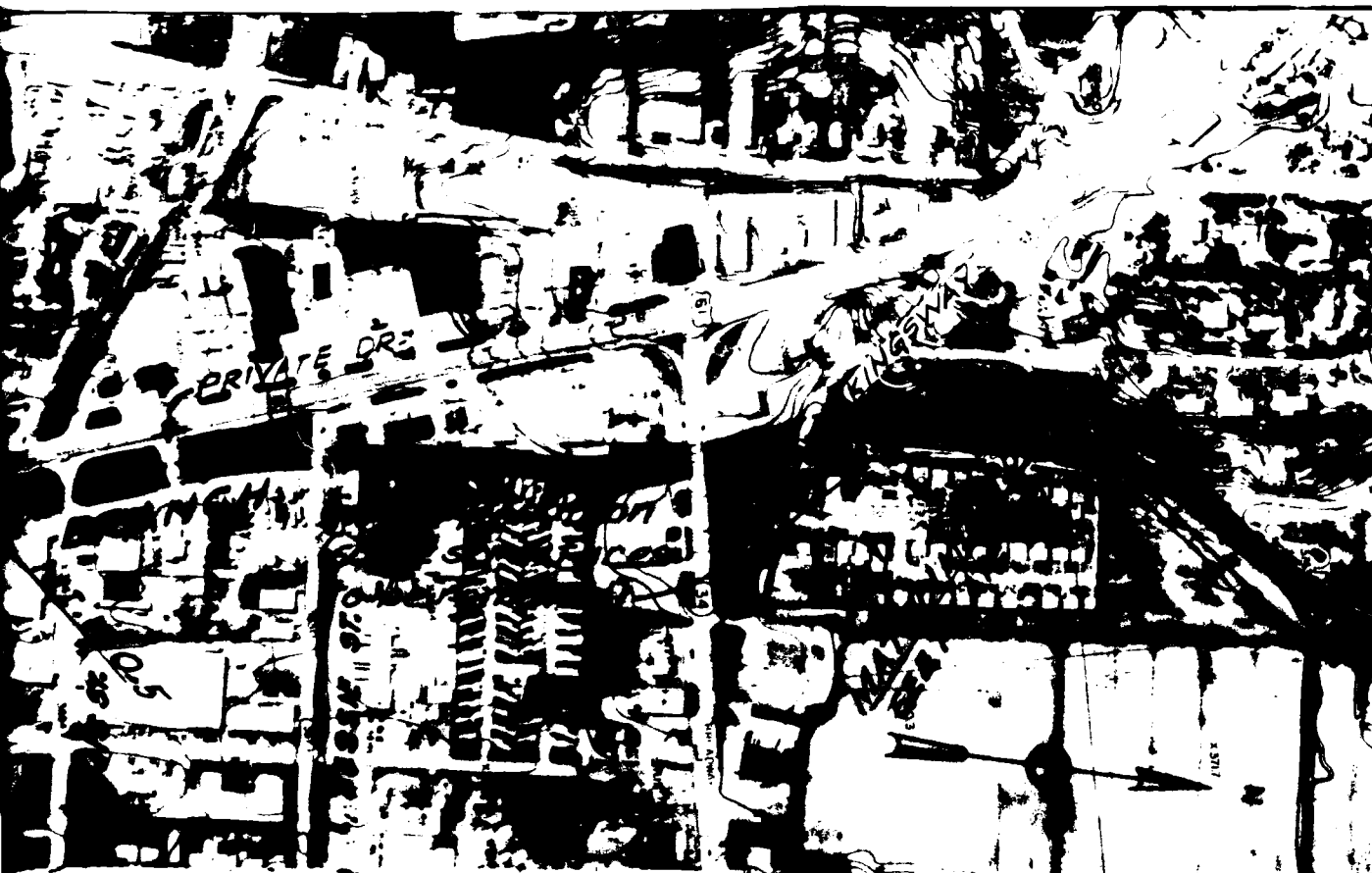
ELEVATION IN FEET - N.G.V.D.



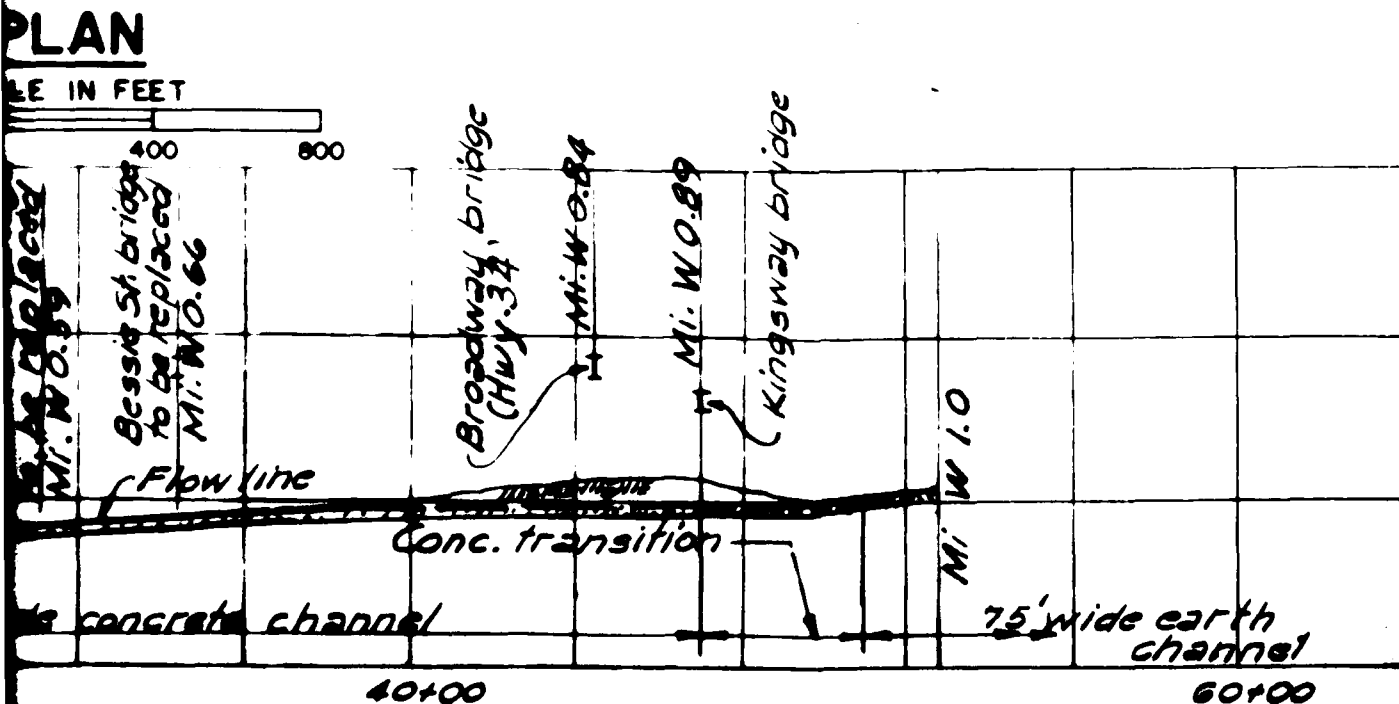
PLA

SCALE IN

PRO



- LEG**
- PLAN**
- CONCRETE CHANNEL
 - EARTH CHANNEL
 - RIPRAPPED CHANNEL
- PROFILE**
- CONCRETE CHANNEL
 - EARTH CHANNEL
 - RIPRAPPE CHANNEL



CAPE GIRARD
METROPOLITAN
ENGINEERS
REGISTERED
FLOOD CONTROL
DISTRICT
PLAN NO.
100-1000-1000

PROFILE

2.



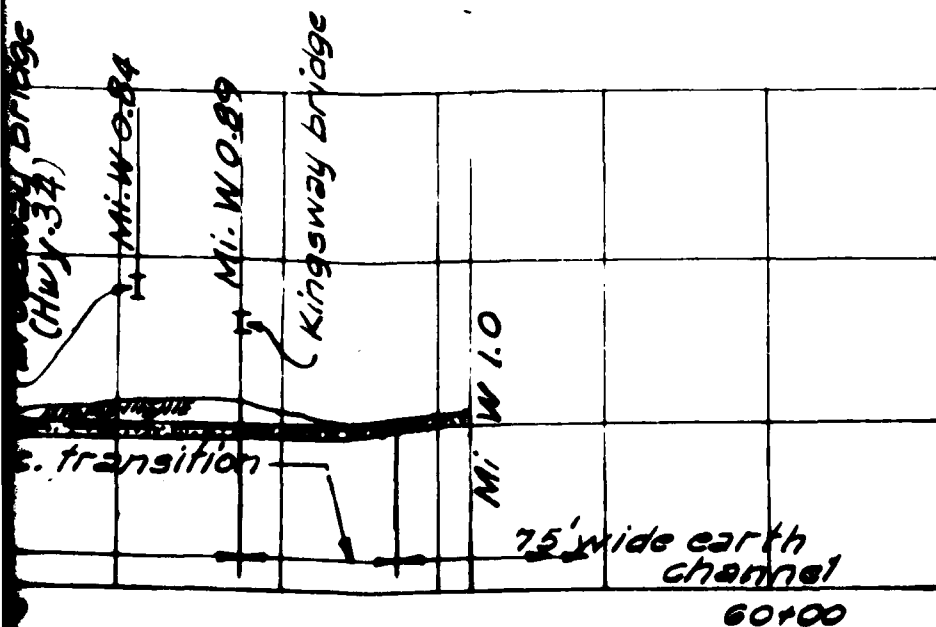
LEGEND

PLAN

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	

PROFILE

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	



CAPE GIRARDEAU- JACKSON
METROPOLITAN AREA
MISSOURI 1963
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
WALKER BRANCH
PLAN AND PROFILE
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS
OFFICE OF CHIEF OF DISTRICT
ST. LOUIS, MO.

PLATE E-8

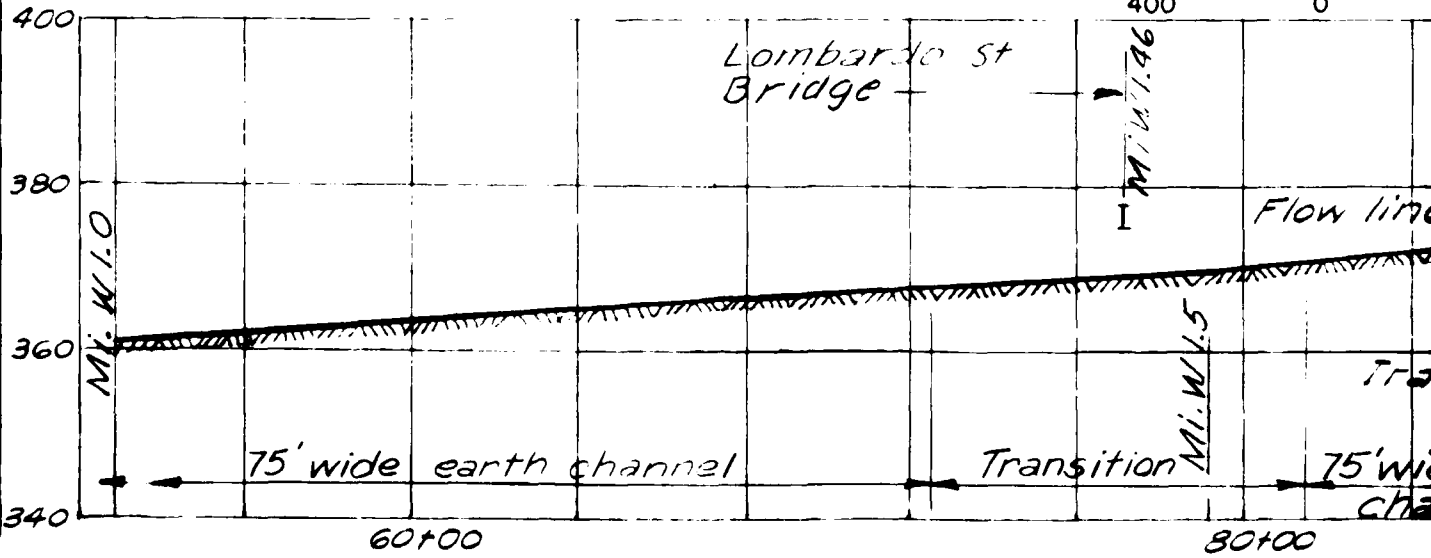


PLA

SCALE IN



ELEVATION IN FEET - N.G.V.D.

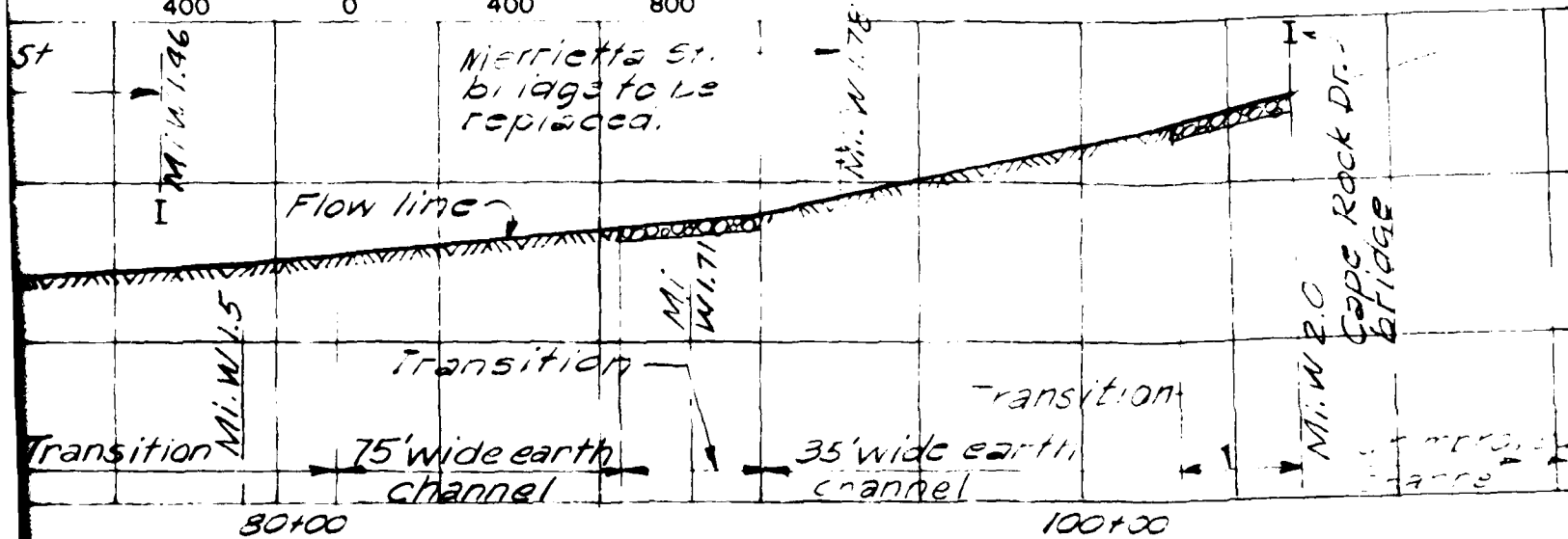
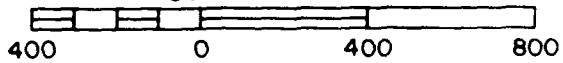


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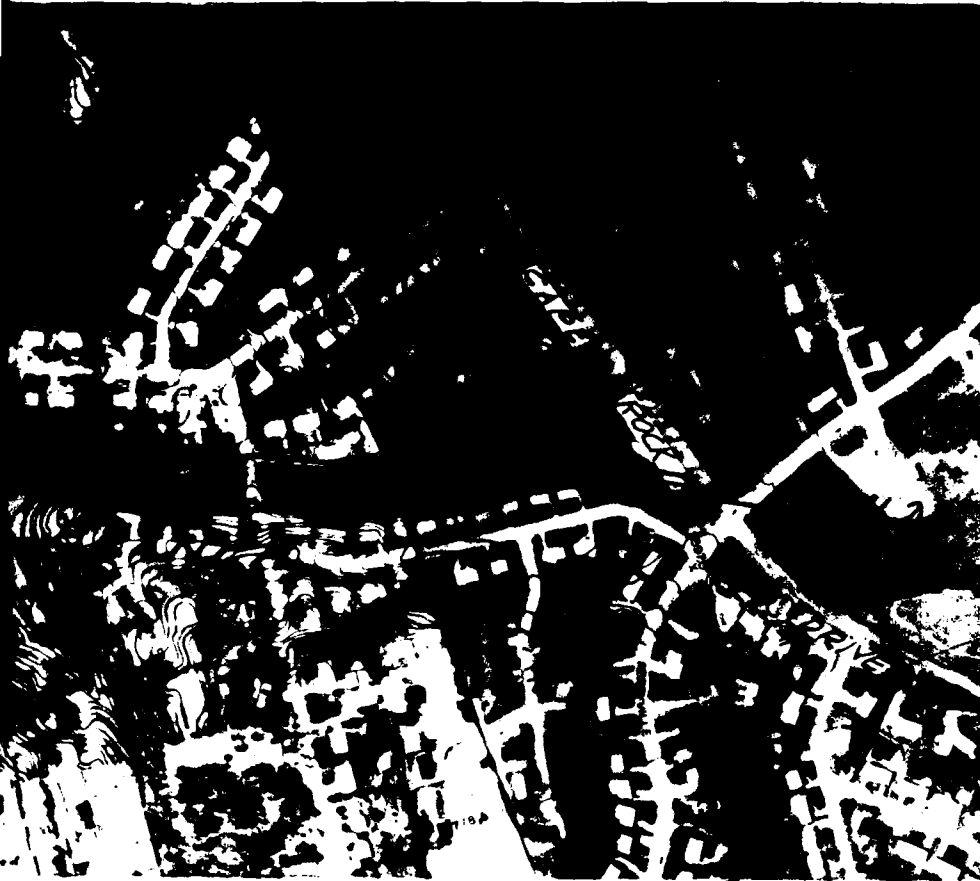
PLAN

SCALE IN FEET



PROFILE

2



LEGEND

PLAN

CONCRETE CHANNEL

EARTH CHANNEL

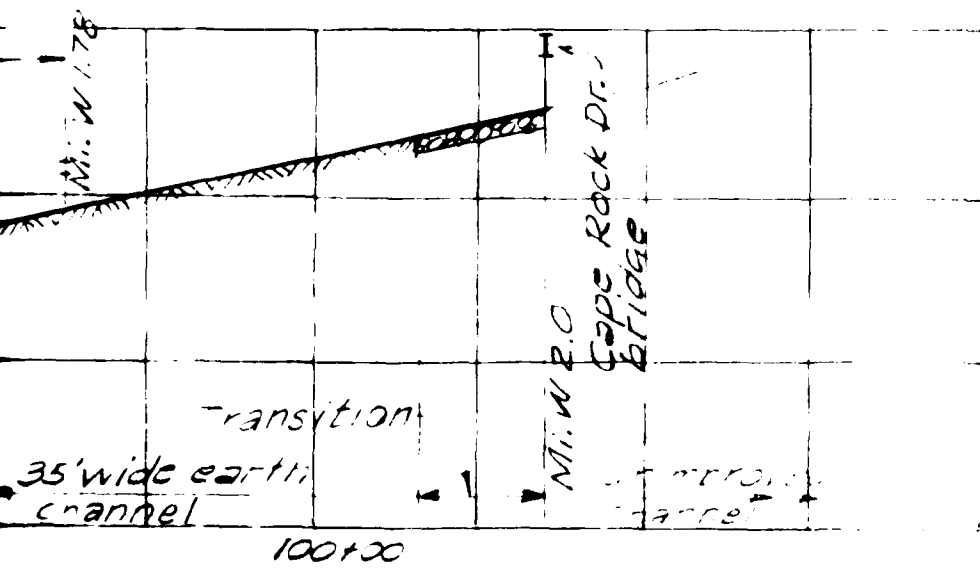
RIPRAPPED CHANNEL

PROFILE

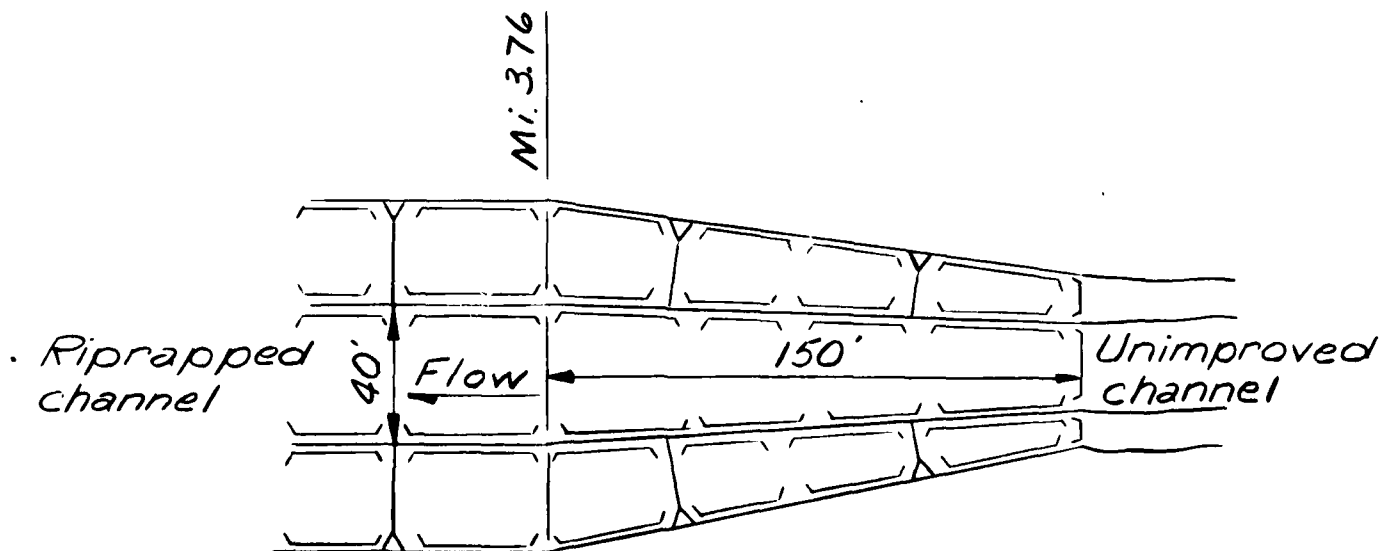
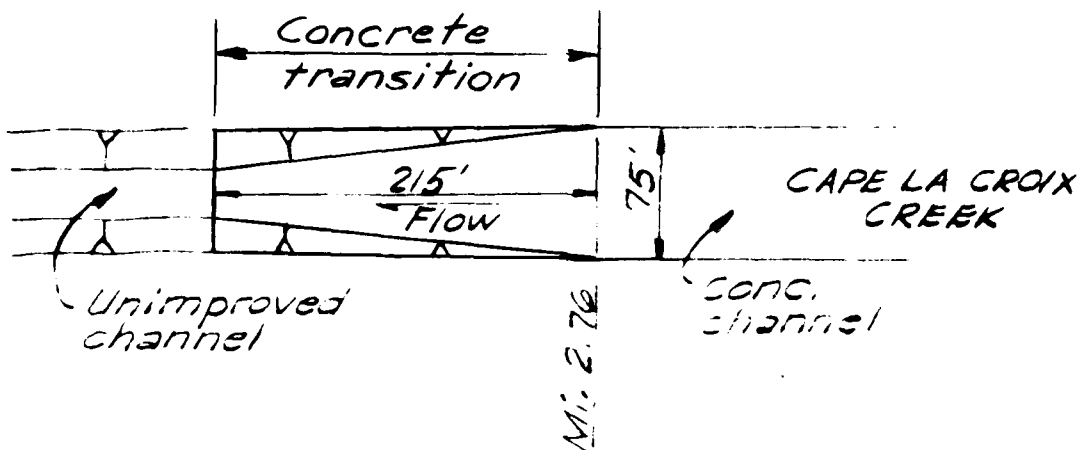
CONCRETE CHANNEL

EARTH CHANNEL

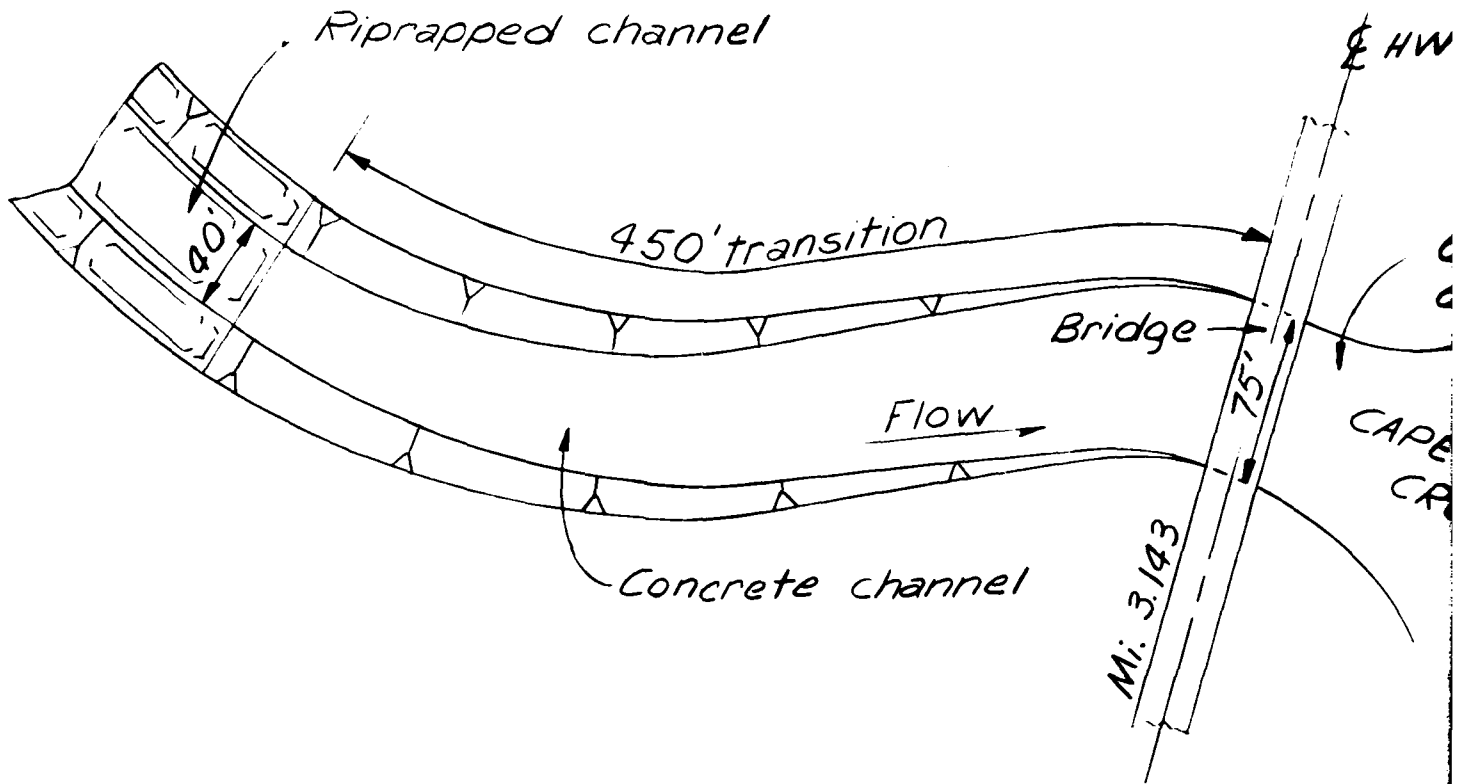
RIPRAPPED CHANNEL



CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
WALKER BRANCH
PLAN AND PROFILE
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

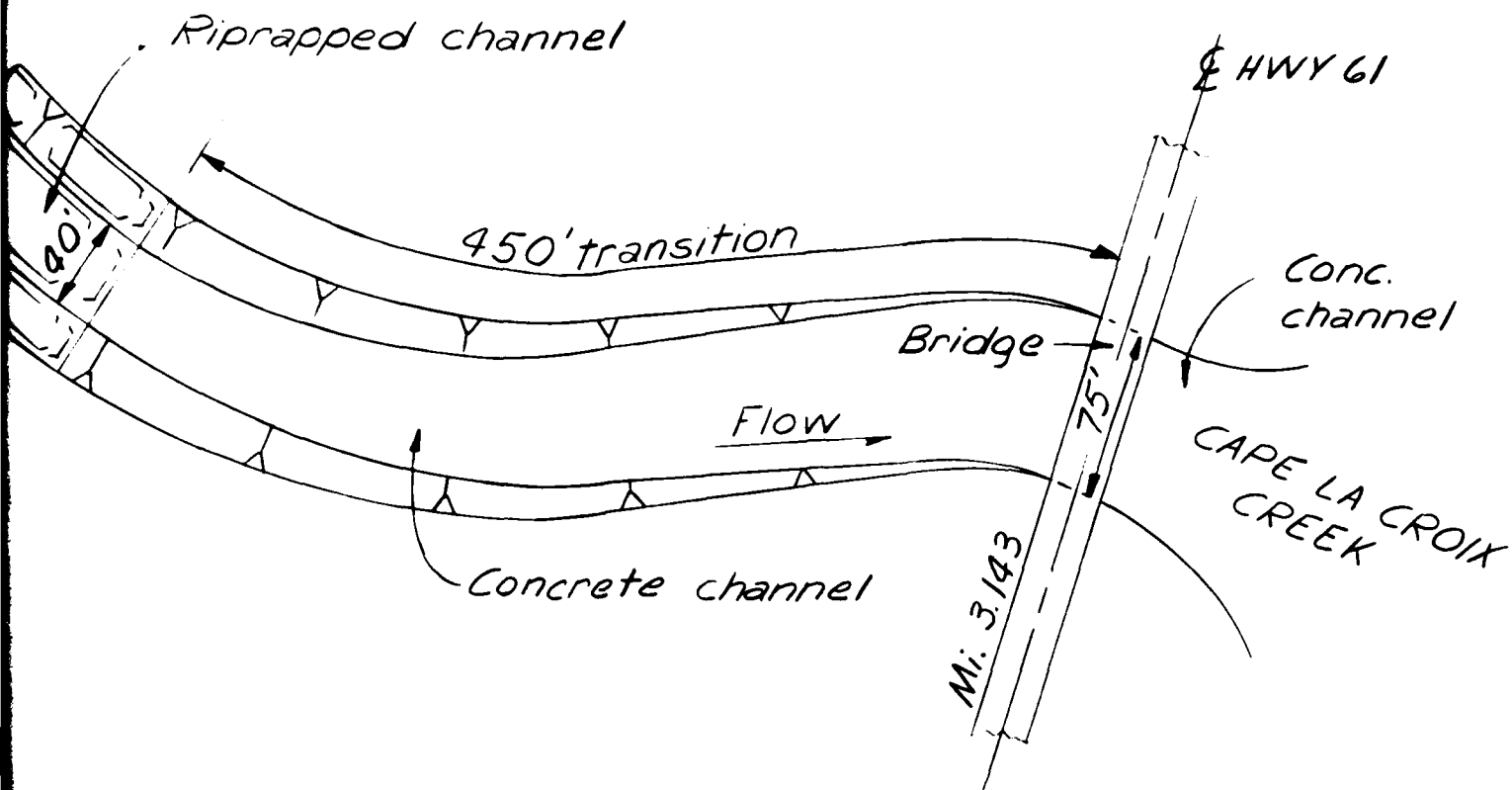


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NO SC

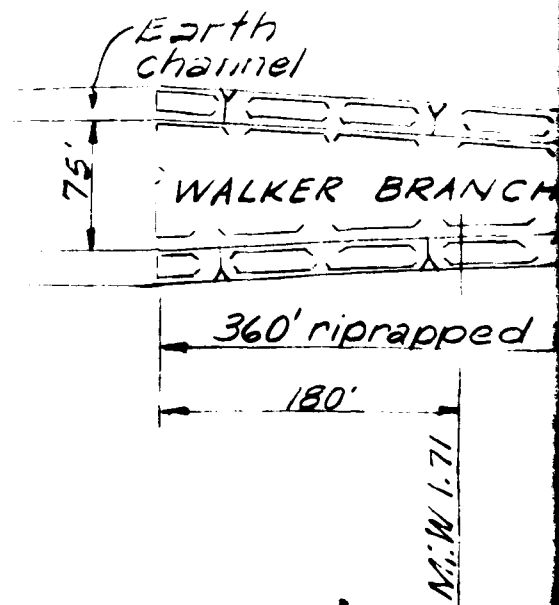
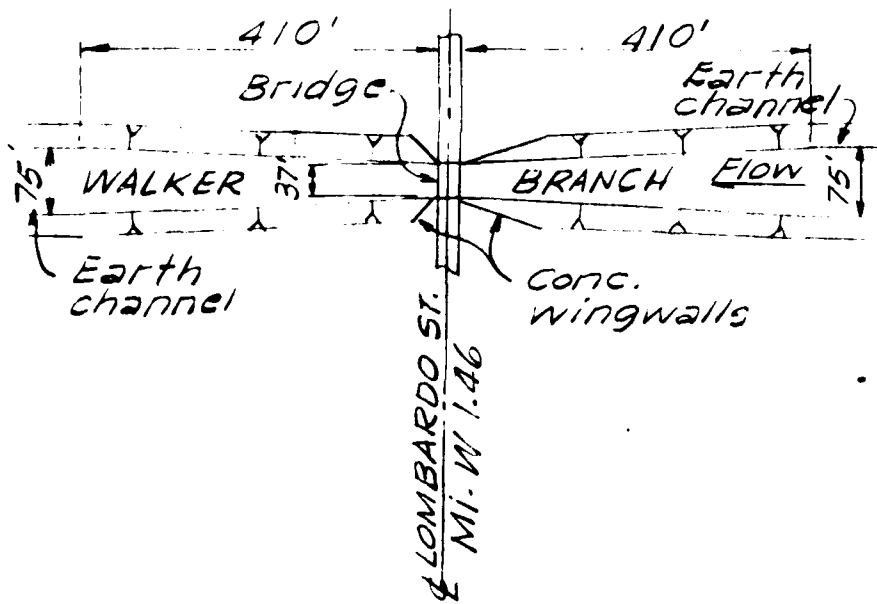
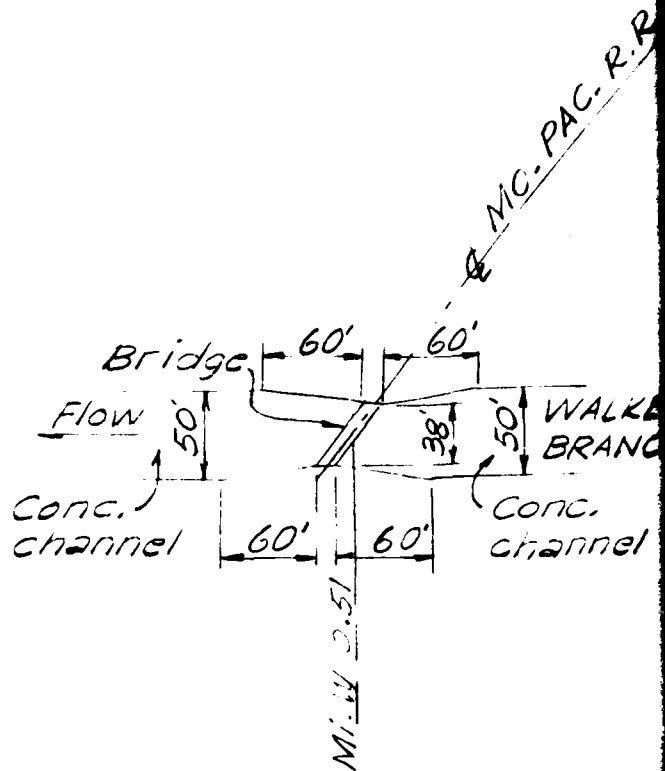
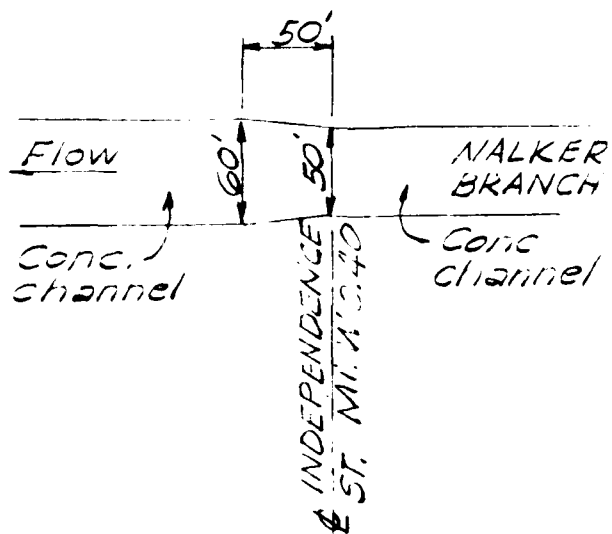


SITIONS
SCALE

FLOO
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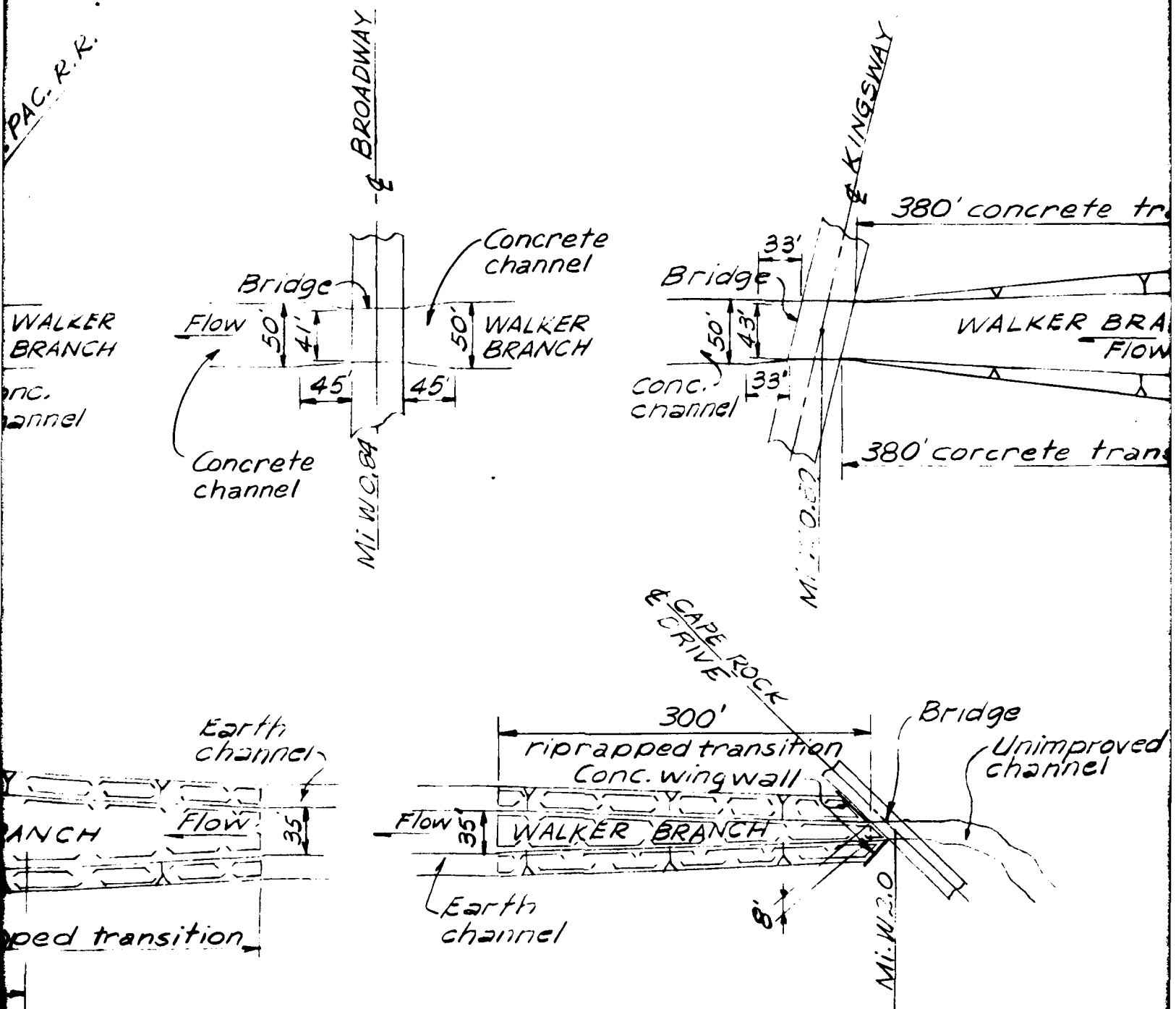


CAPE GIRARDEAU-JACKSON
 METROPOLITAN AREA
 MISSOURI 12063
 RECOMMENDED PLAN
 FLOOD CONTROL COMPONENTS
 CAPE LA CROIX CREEK
 CHANNEL TRANSITIONS
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS MO.



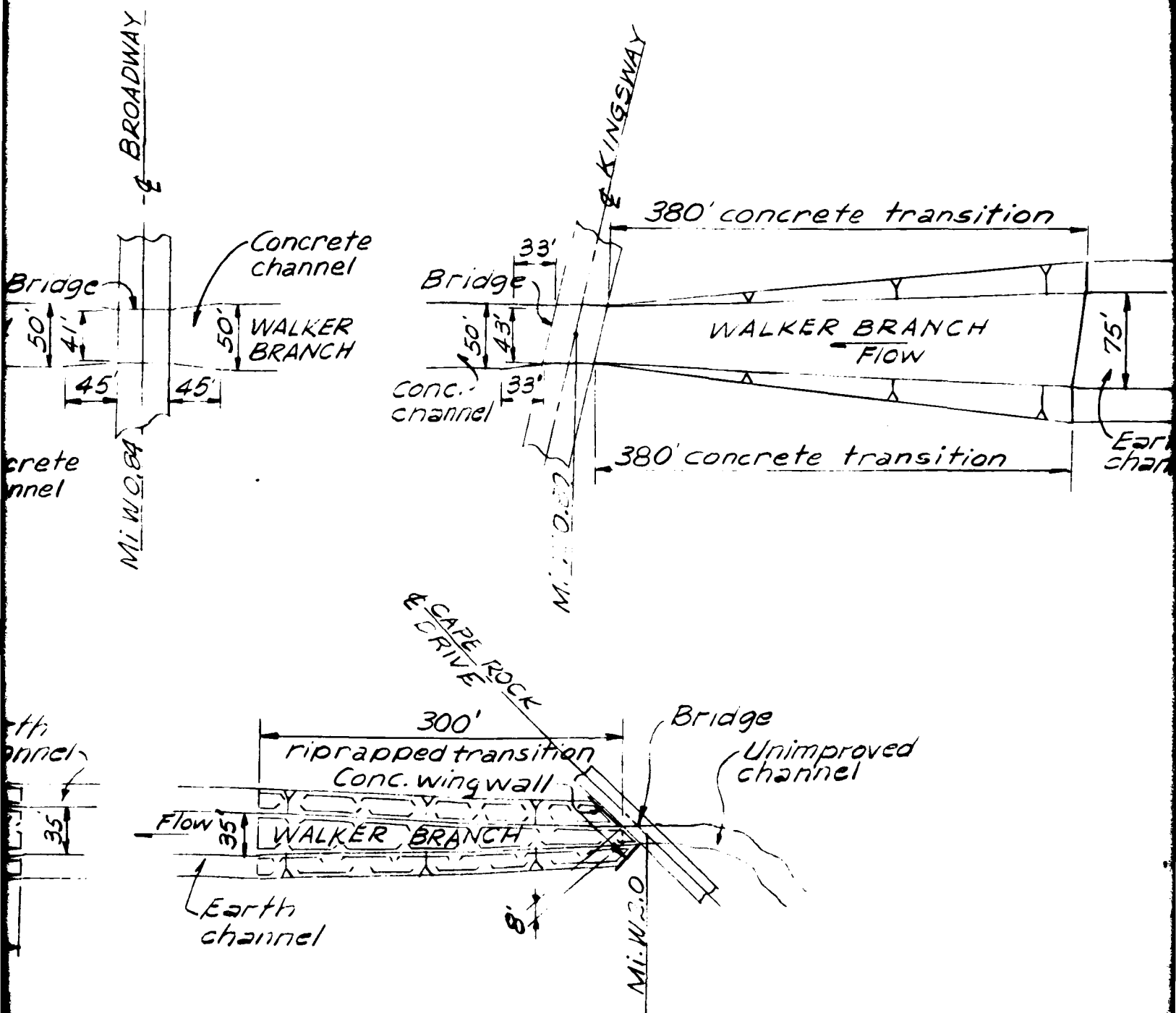
TRAN

PAC. R.R.



TRANSITIONS

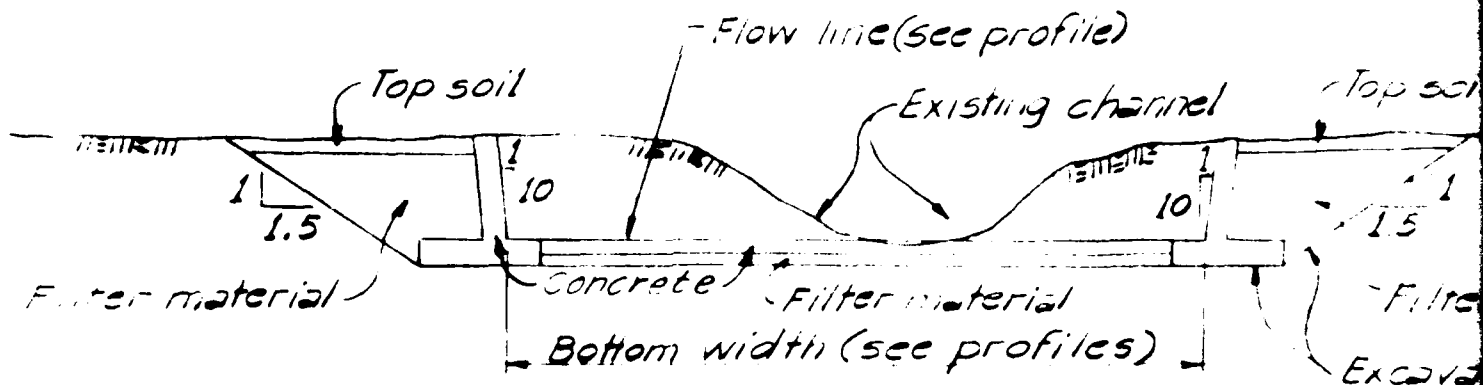
NO SCALE



CAPE GIRARDEAU - JACKSON
 METROPOLITAN AREA
 MISSOURI 12053
 RECOMMENDED PLAN
 FLOOD CONTROL COMPONENT
 WALKER BRANCH
 CHANNEL TRANSITION
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.



EARTH CHANNEL

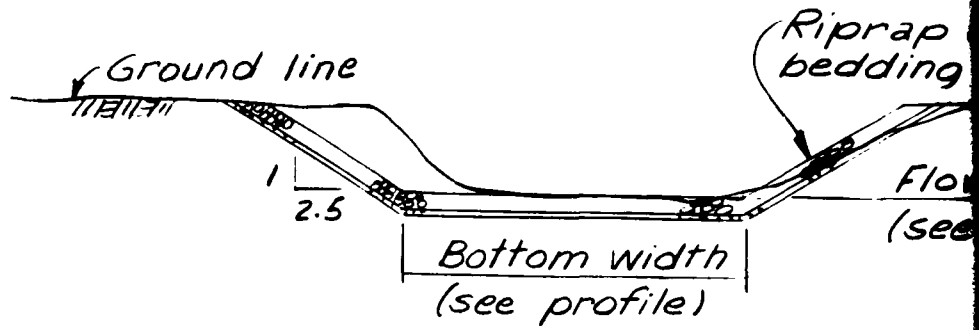


CONCRETE CHANNEL

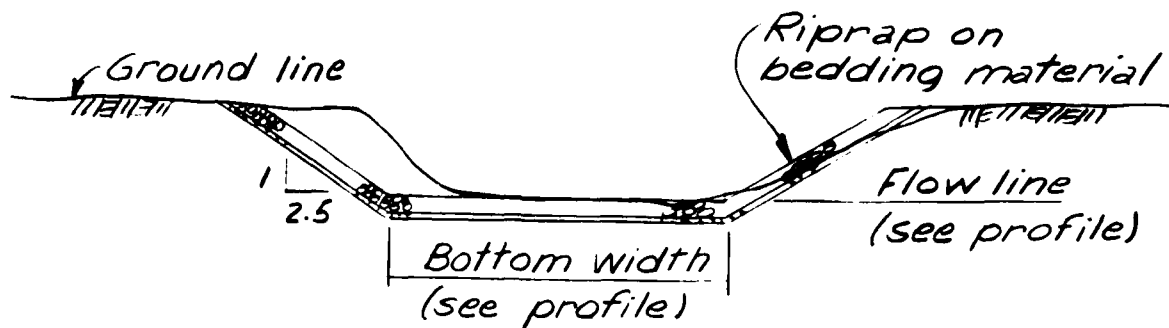
TYPICAL CHANNEL SECTIONS

NO SCALE

Ground line
Excavation line



Top soil
Ground line
Excavation line
Filter material
Excavation line



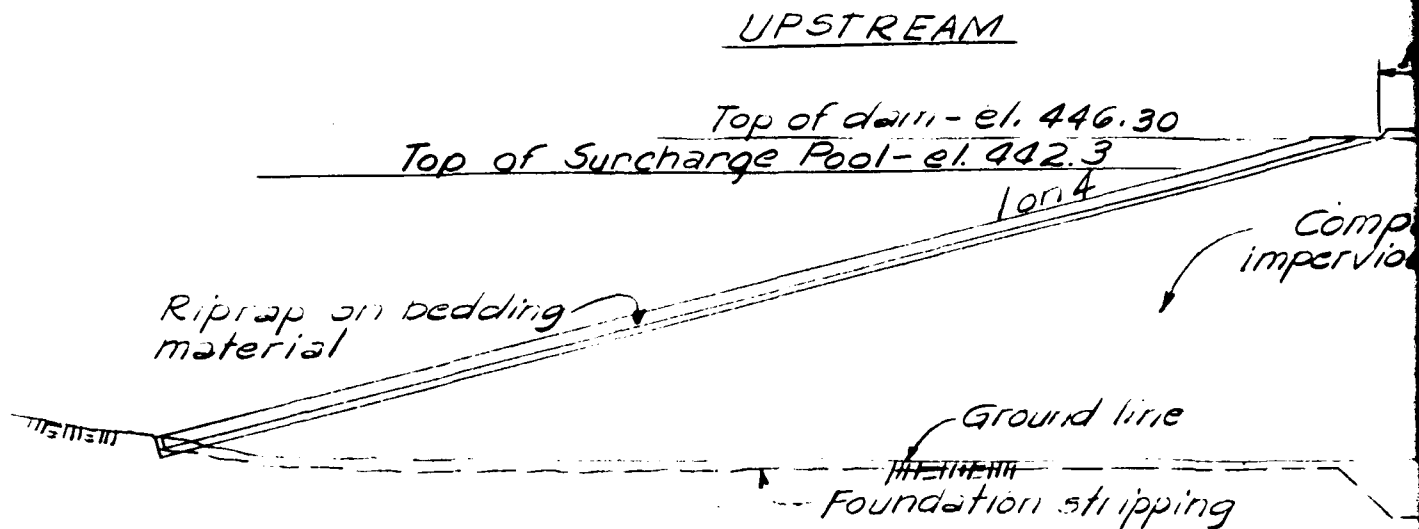
CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12853
RECOMMENDED PLAN
FLOOD CONTROL COMPONENTS
TYPICAL CHANNEL
SECTIONS
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE E-1

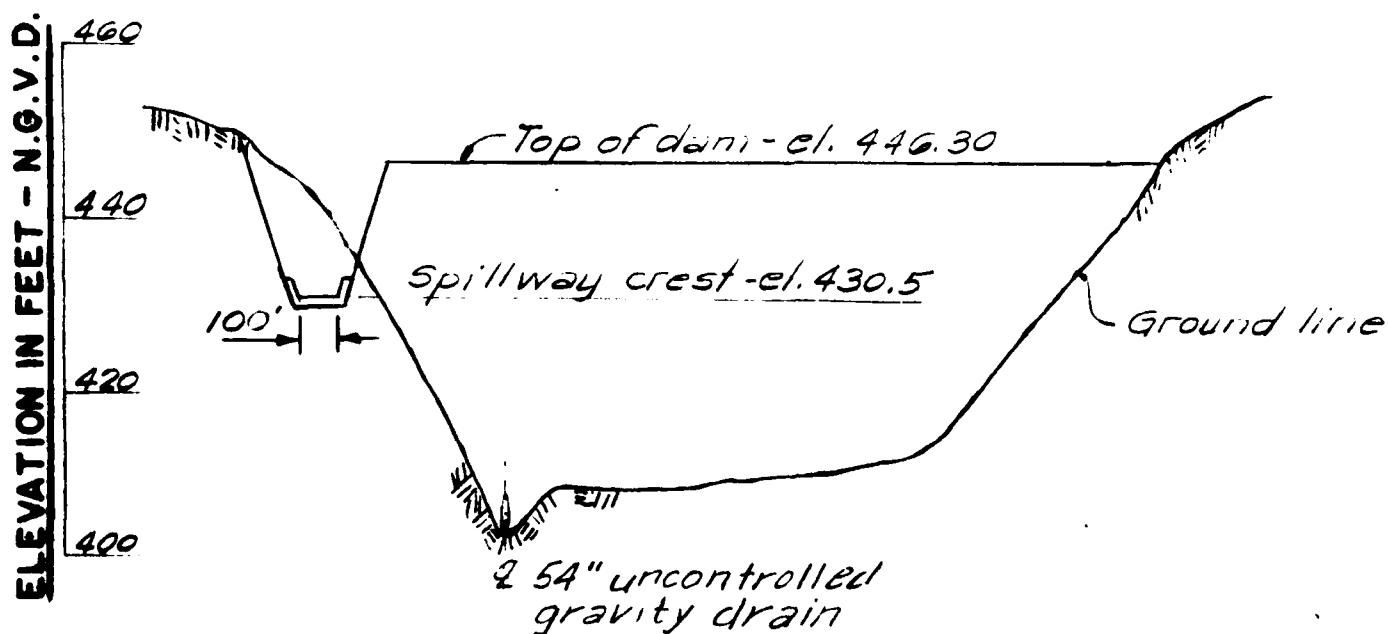
2.





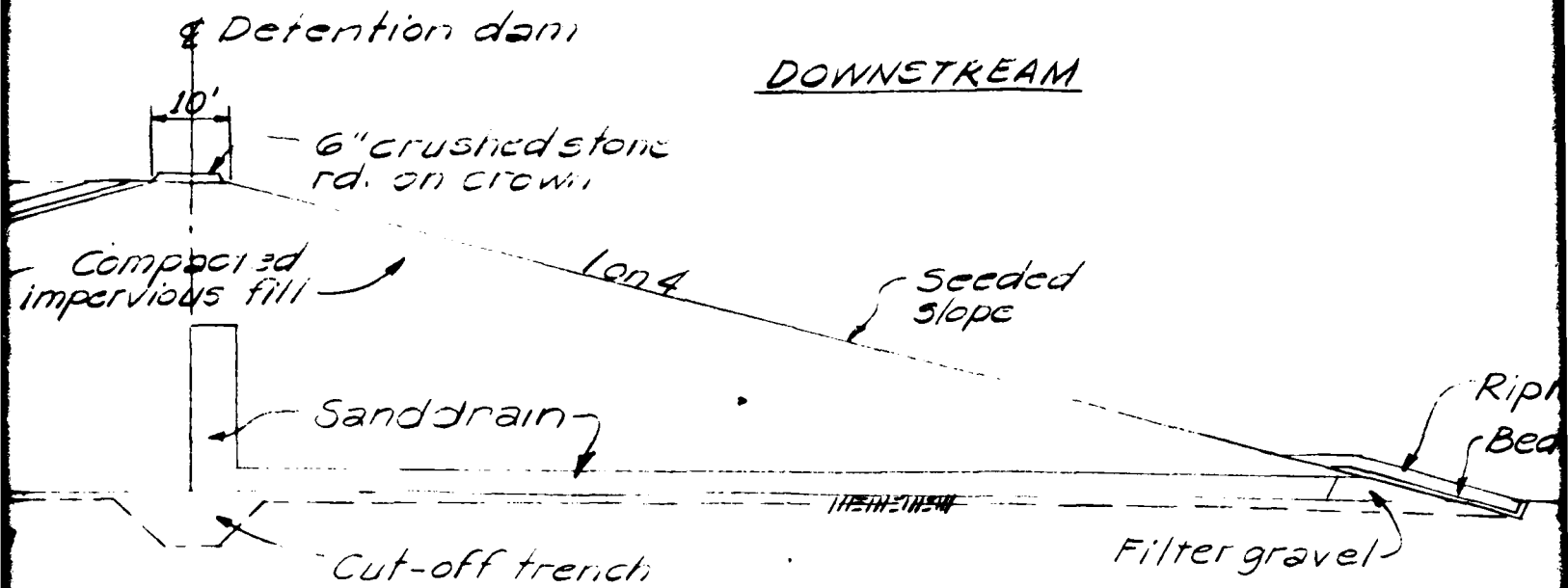


DETENTION



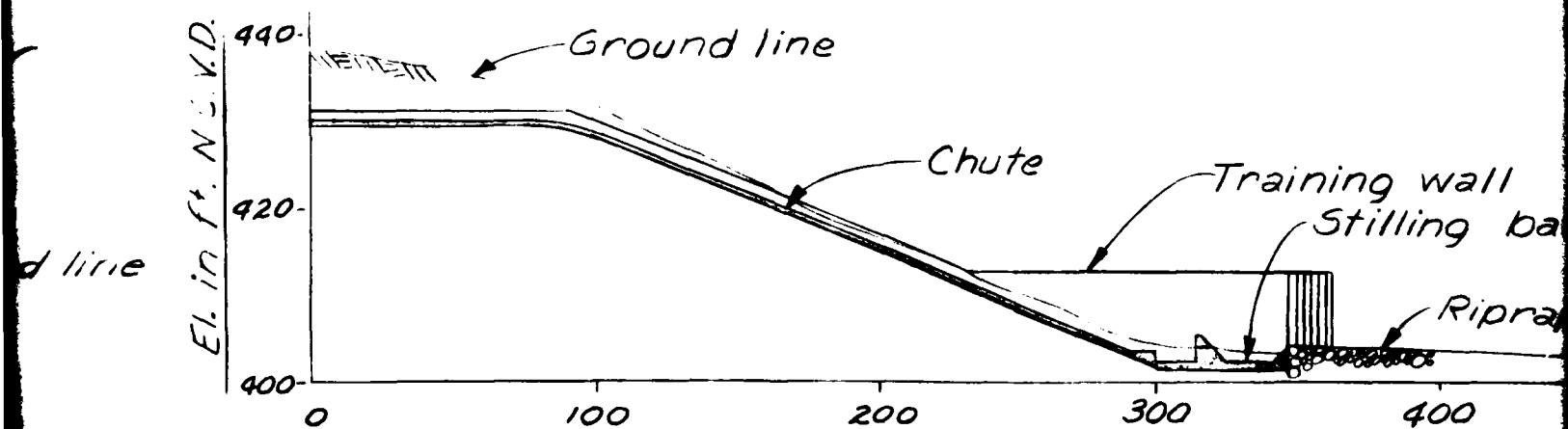
DETENTION DAM PROFILE





RETENTION DAM-TYP. SECTION

NO SCALE



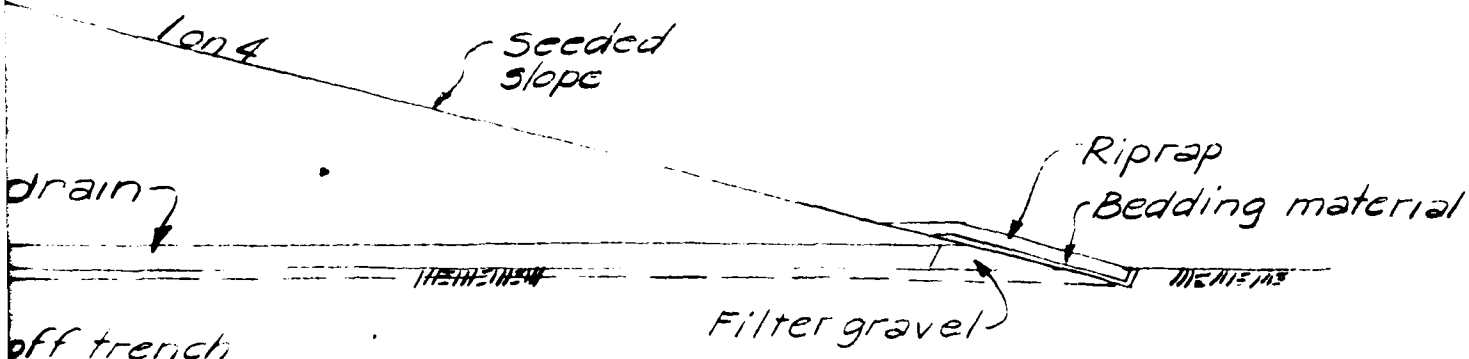
SECTION THRU SPILLWAY

NO SCALE

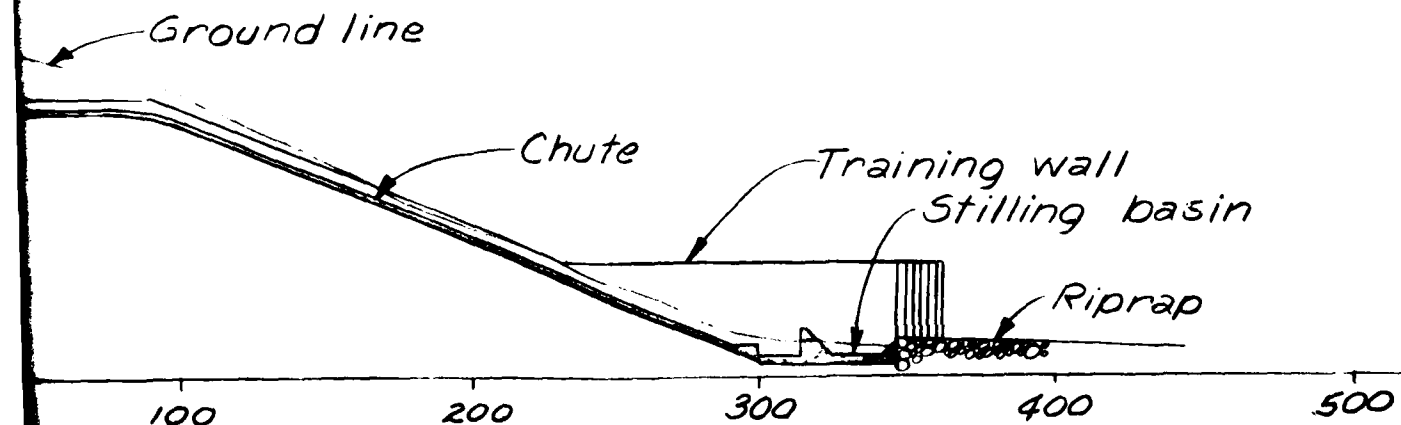
n dam

DOWNSTREAM

ashed stone
crown



YP. SECTION



SECTION THRU SPILLWAY

NO SCALE

CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
RECOMMENDED PLAN
DETENTION DAM
PROFILE AND SECTION
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

PLATE E-12



DETENTION
RESERVIOR

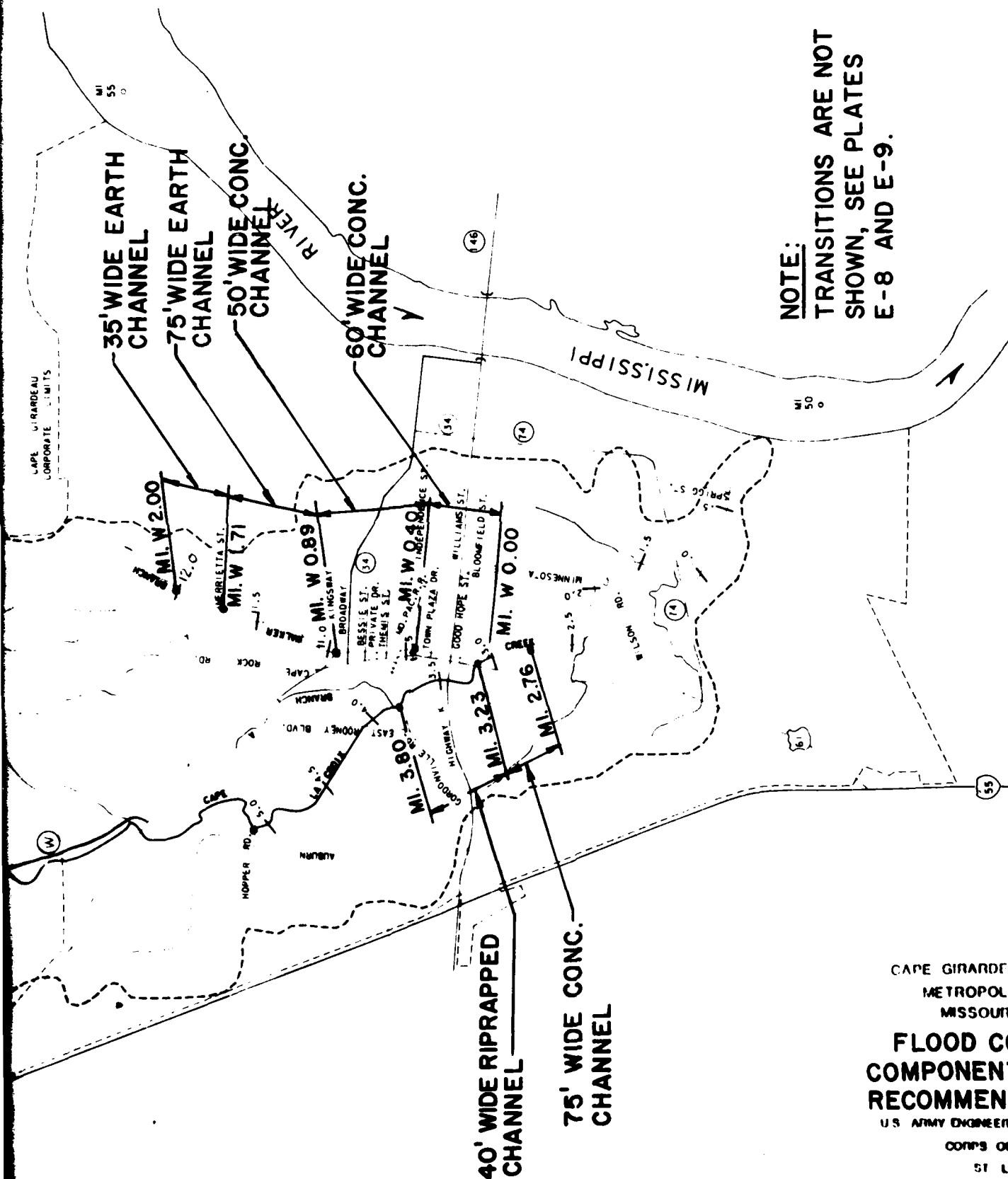
35' WIDE EARTH
CHANNEL

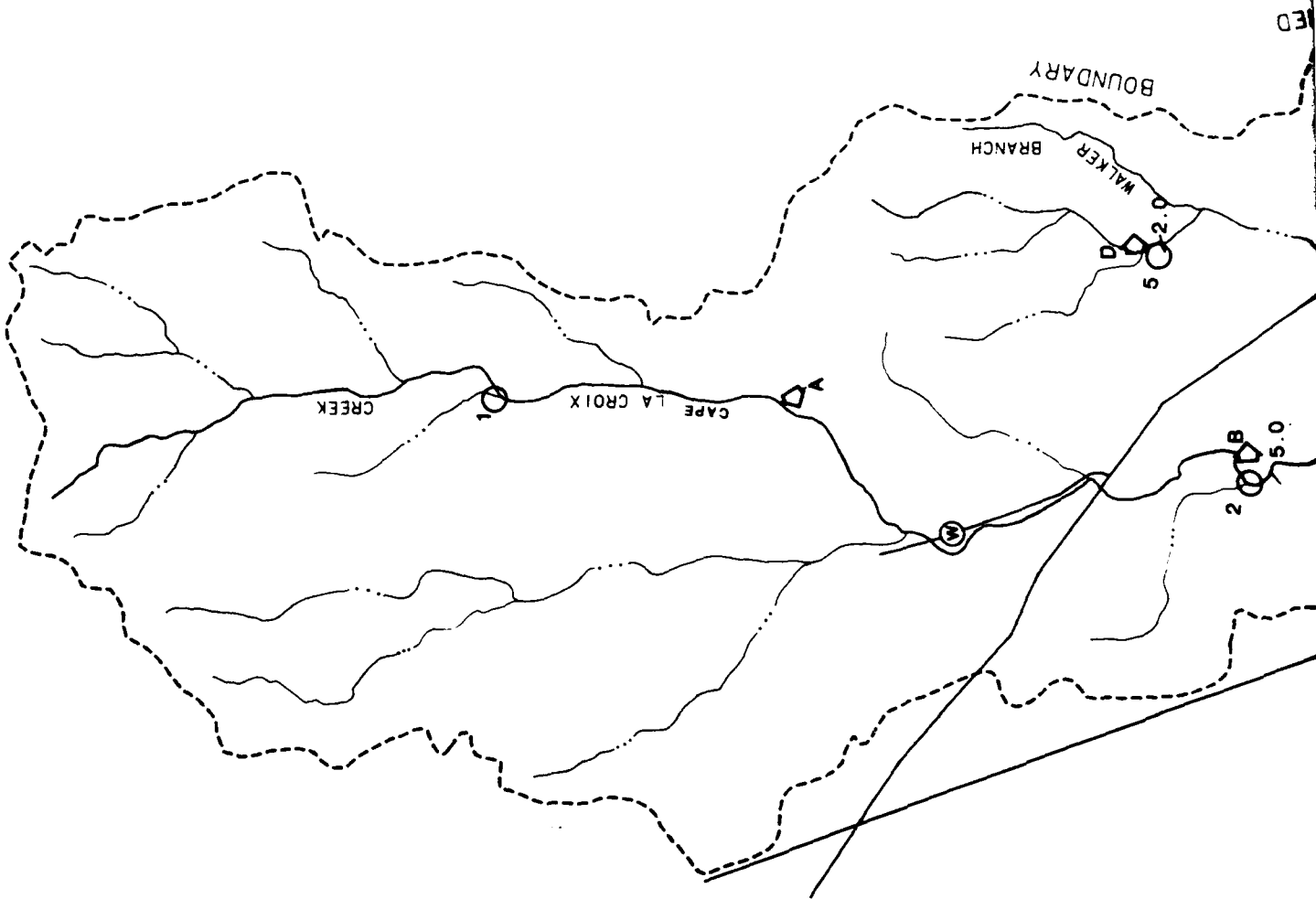
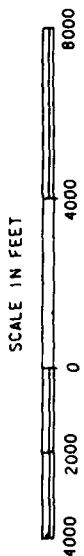
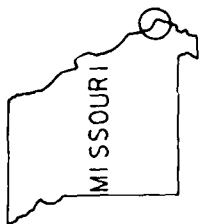
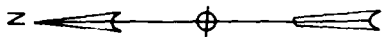
75' WIDE EARTH
CHANNEL

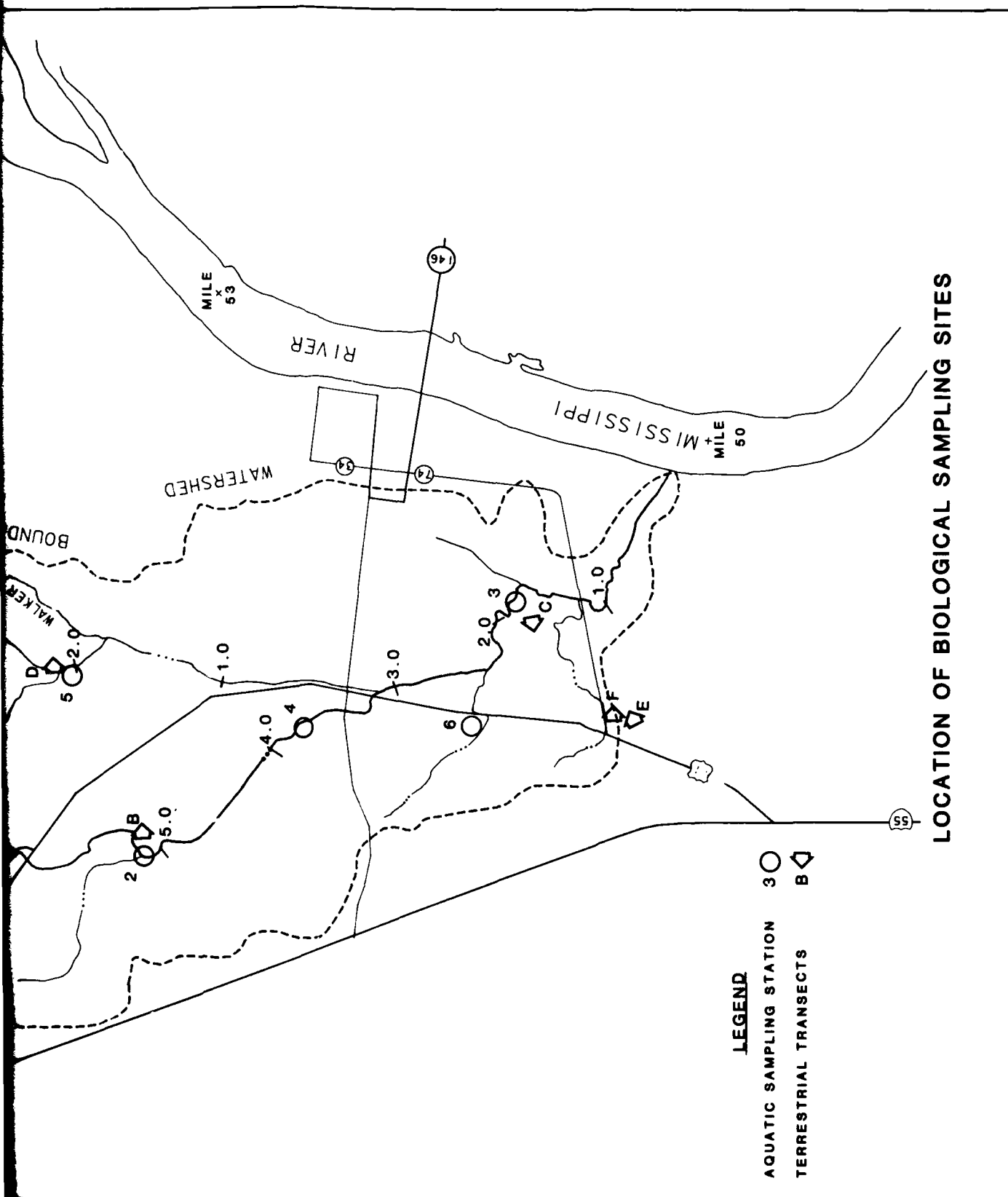
50' WIDE CONC

MI W 200

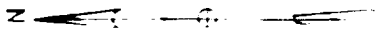
MI W 71





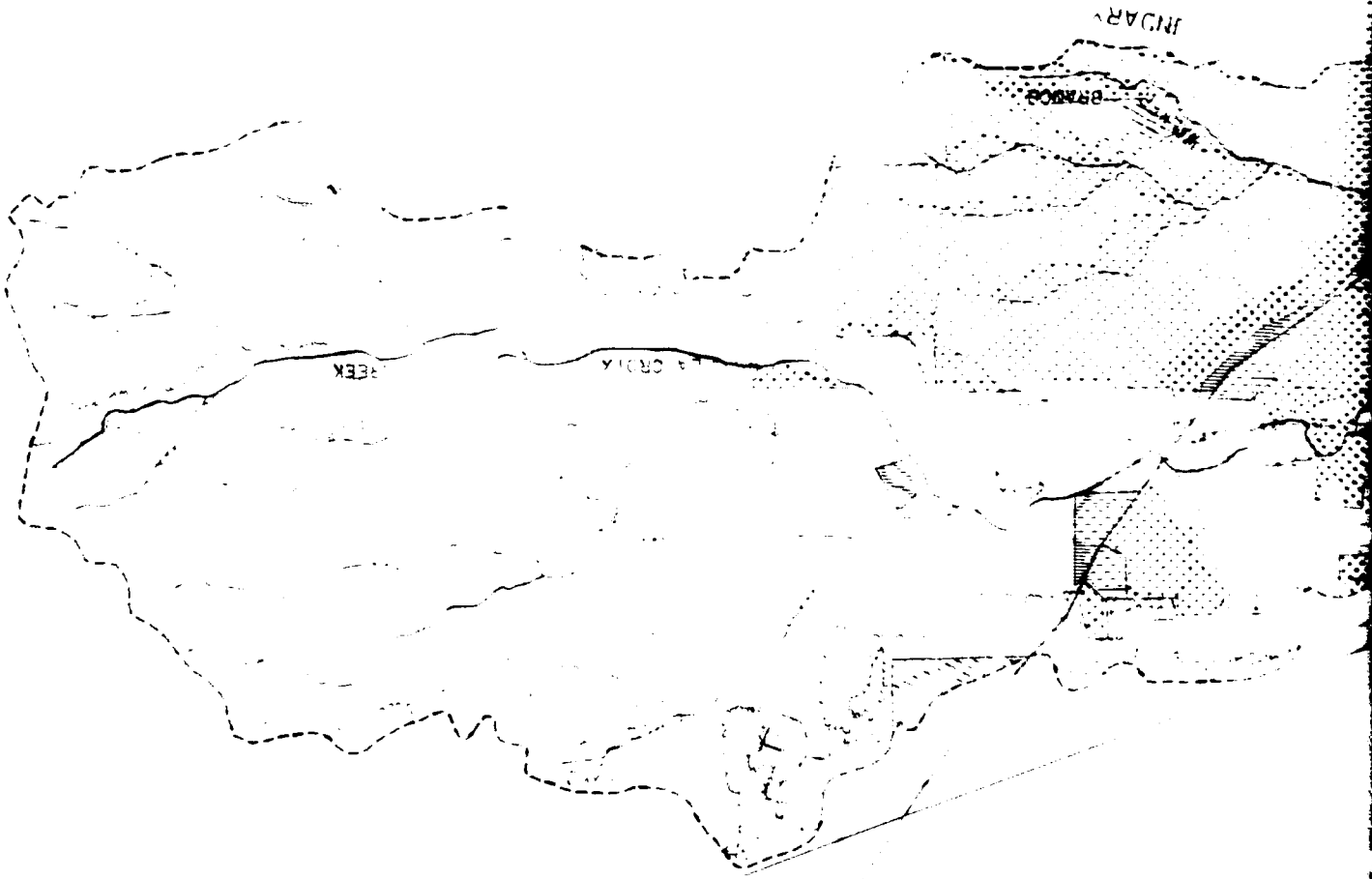


LOCATION OF BIOLOGICAL SAMPLING SITES



SCALE IN FEET

0 1 2 3 4 5



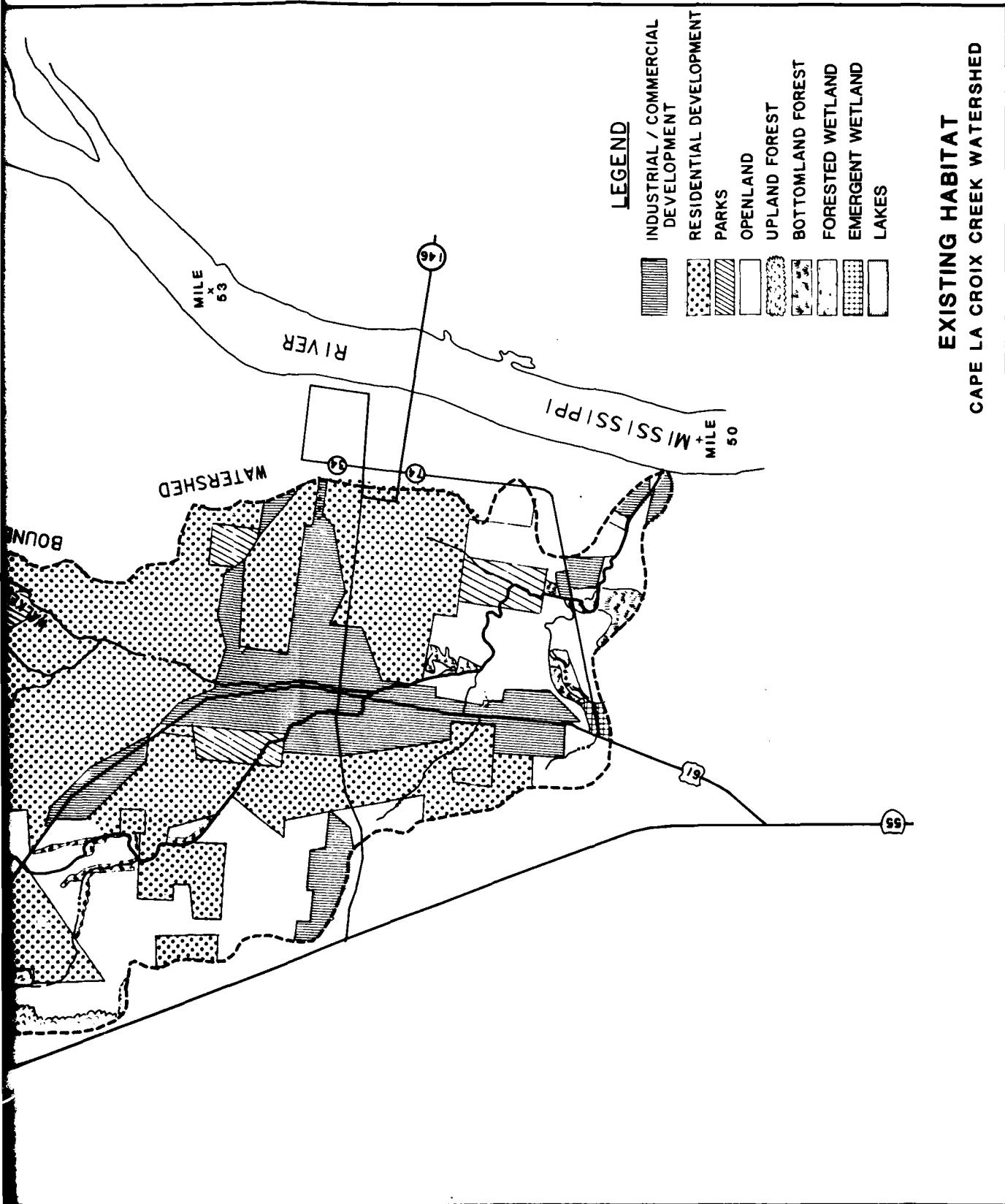
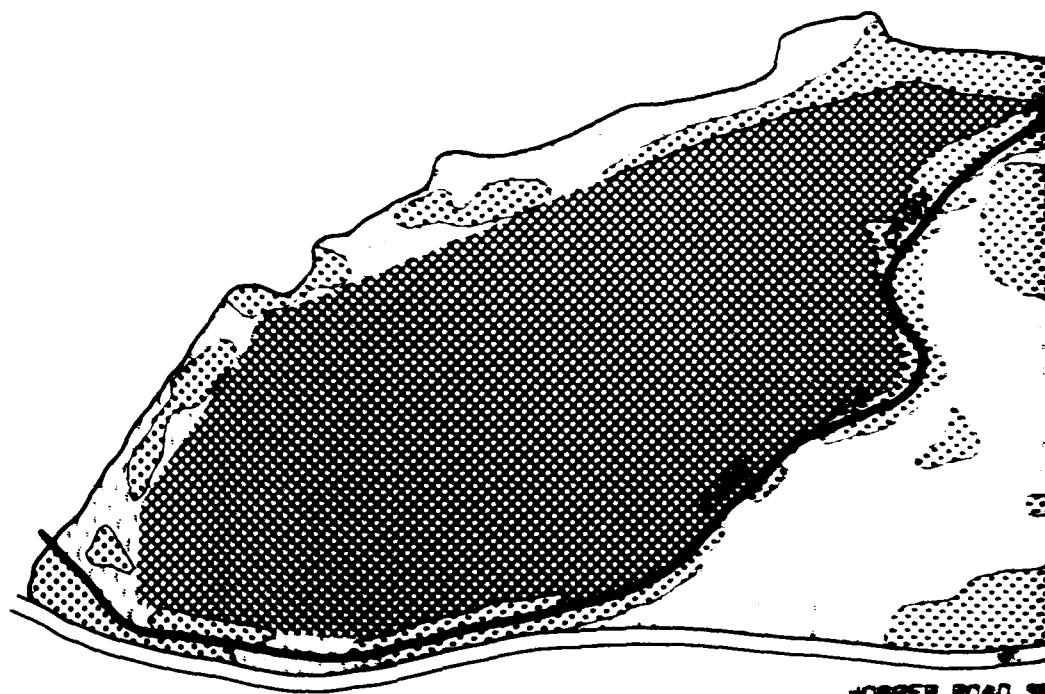
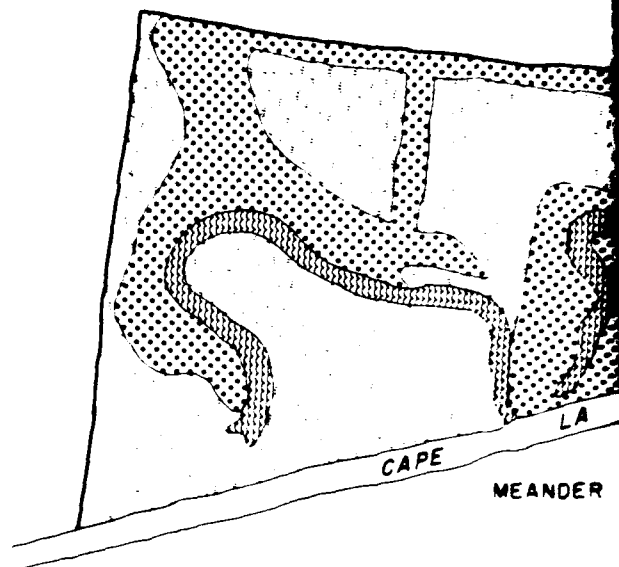
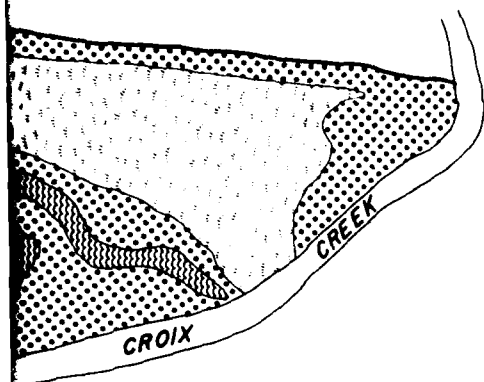
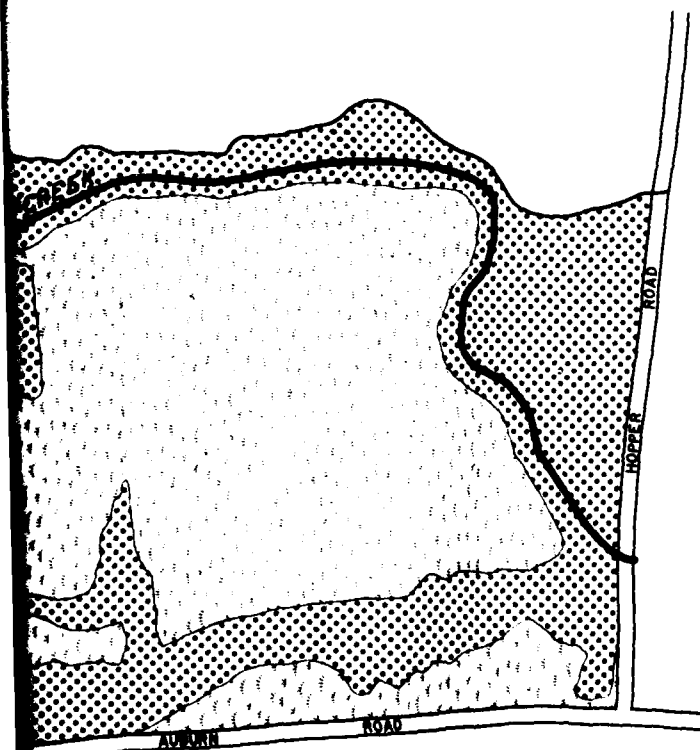


PLATE F-2





SITE



SITE

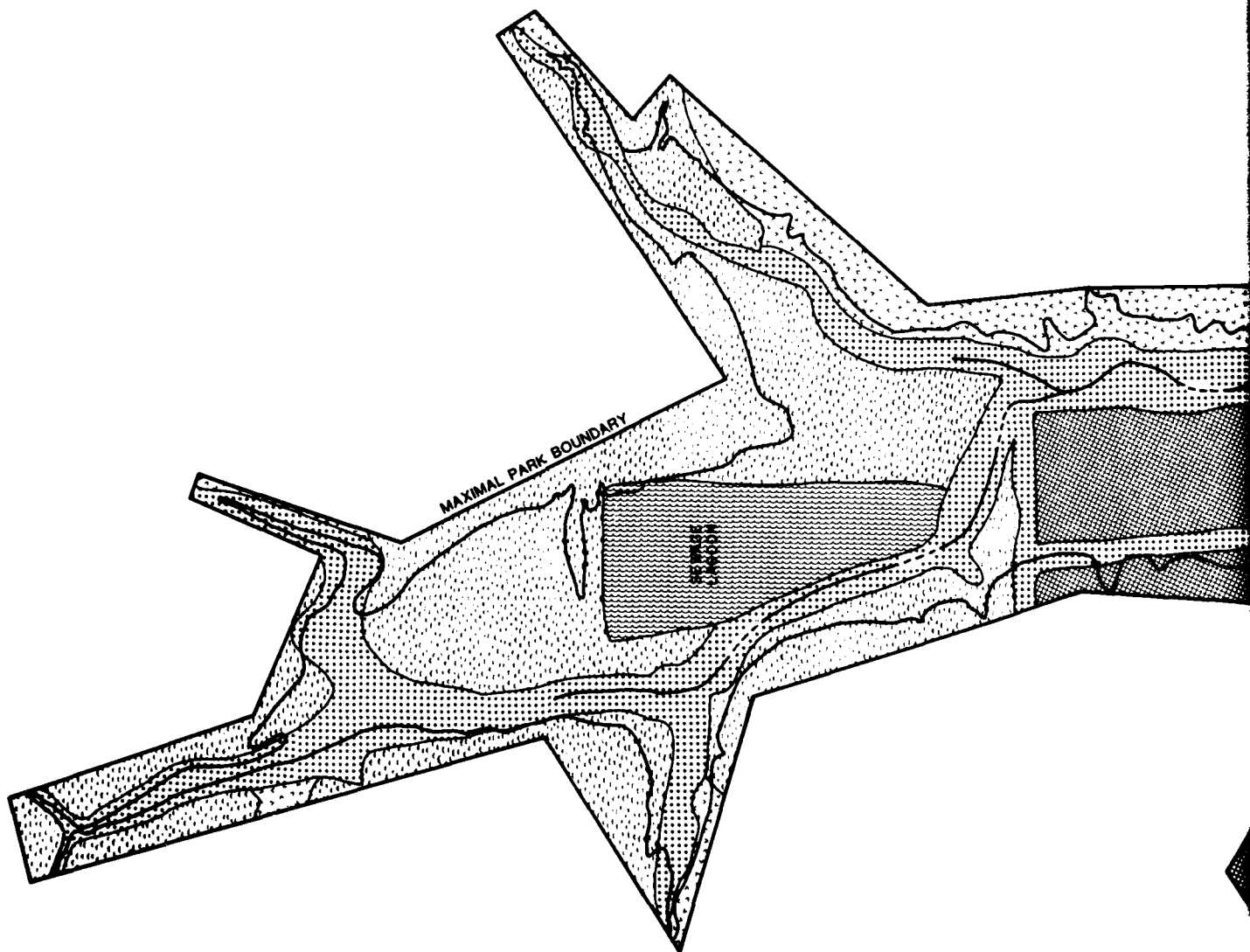
LEGEND

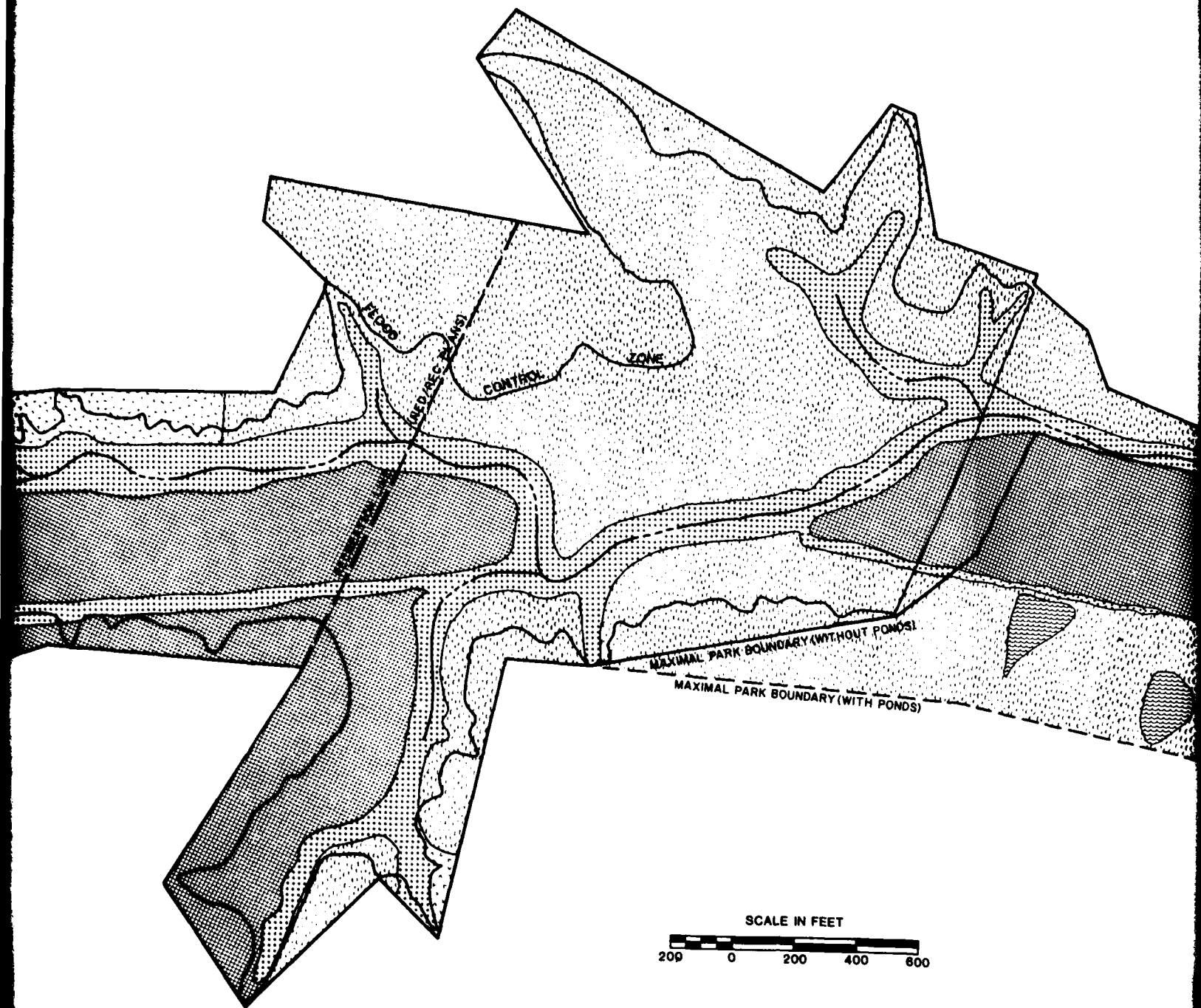
-  OPENLAND - OLD FIELD
-  BOTTOMLAND FOREST
-  CUTOFF MEANDERS
-  OPENLAND - ROW CROPS

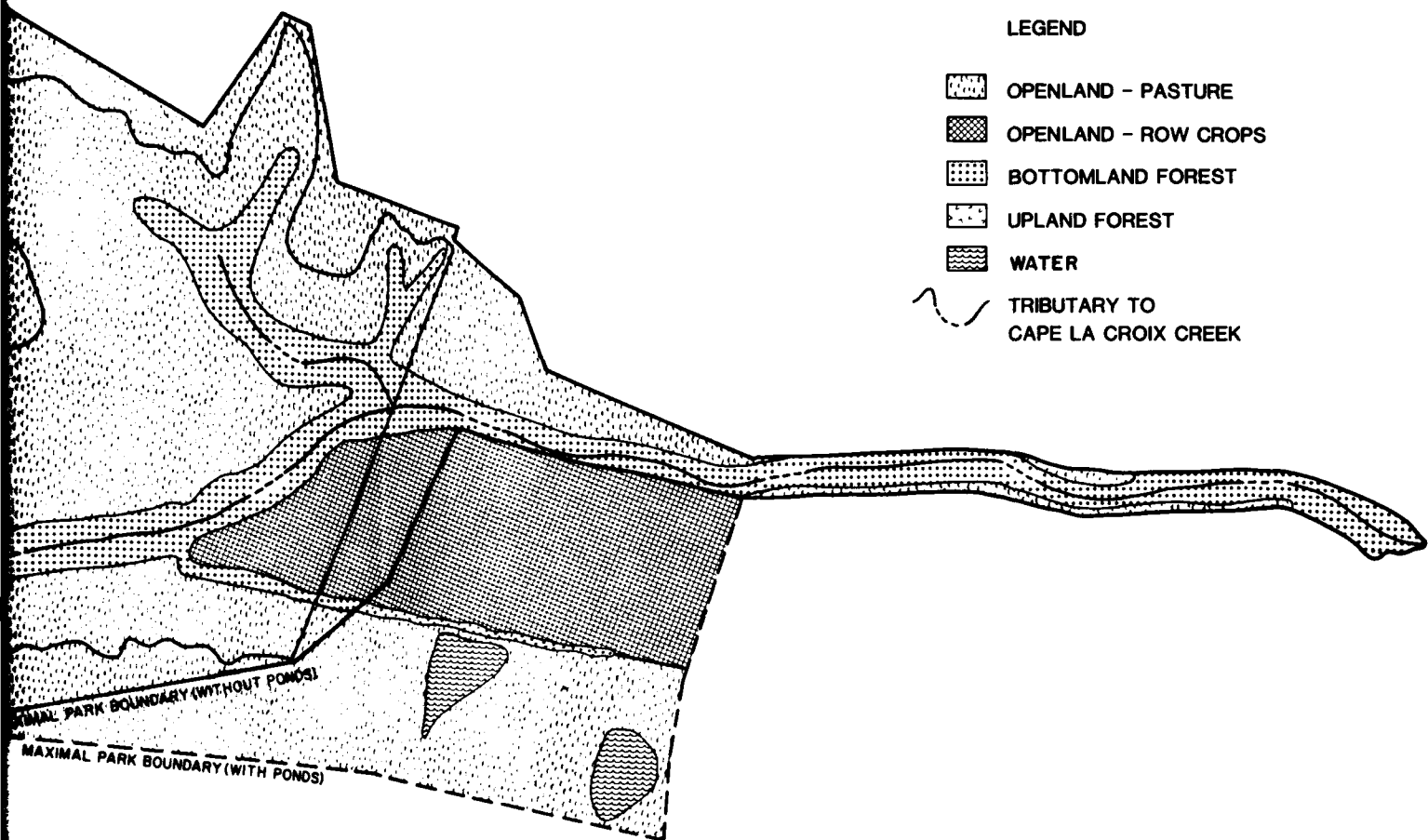


CAPE GIRARDEAU-JACKSON
METROPOLITAN AREA
MISSOURI 12053
**EXISTING HABITAT-MEANDER
AND HOPPER ROAD SITE**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO







CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA
MISSOURI 12053

EXISTING HABITAT DETENTION SITE

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

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E 335 M

SCALE 1:1000
0 1000 2000 3000 4000

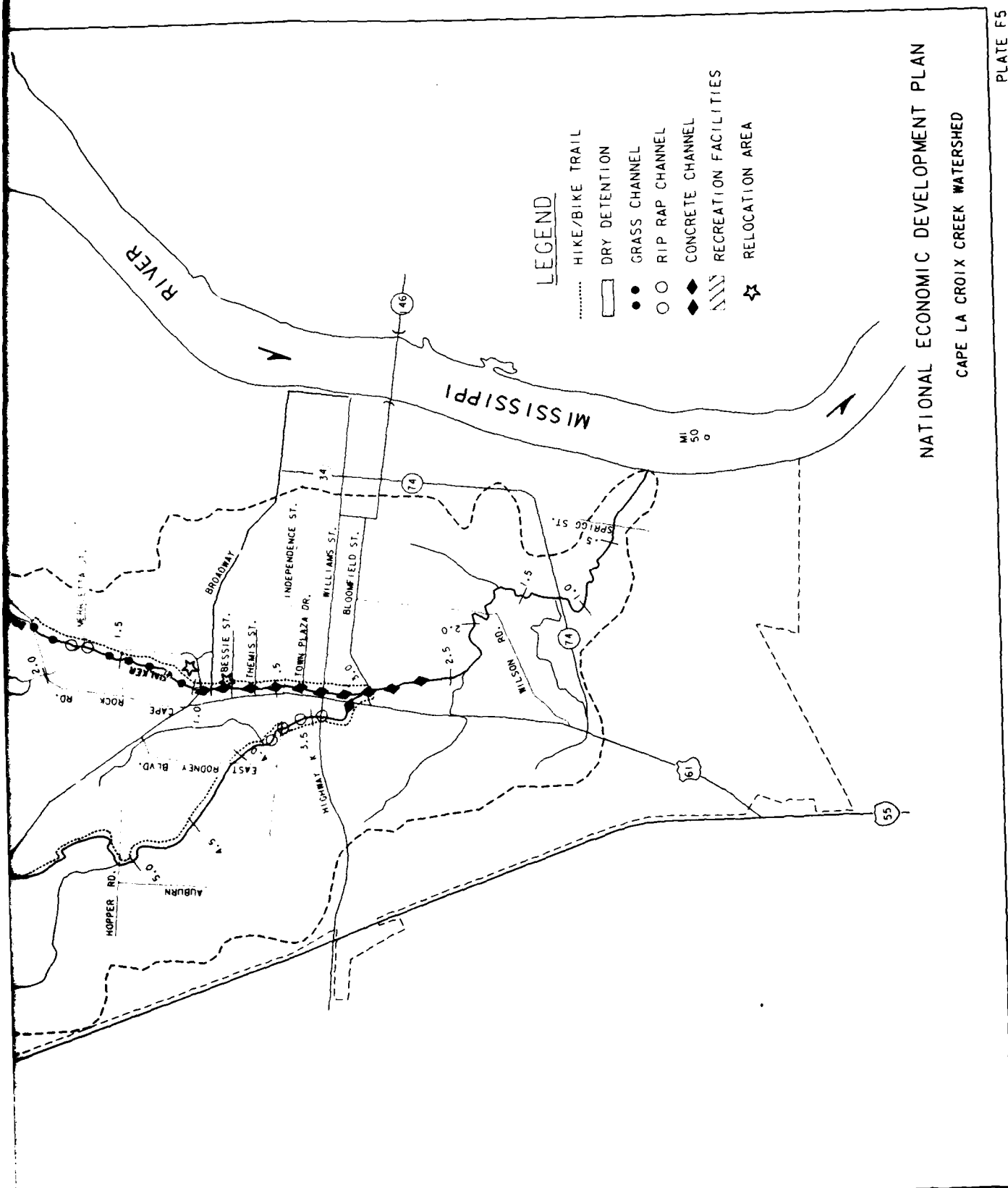
Cap. 16000 A.
CORRIG. 1 M

DRAIN
RIVER

Highway Rt.



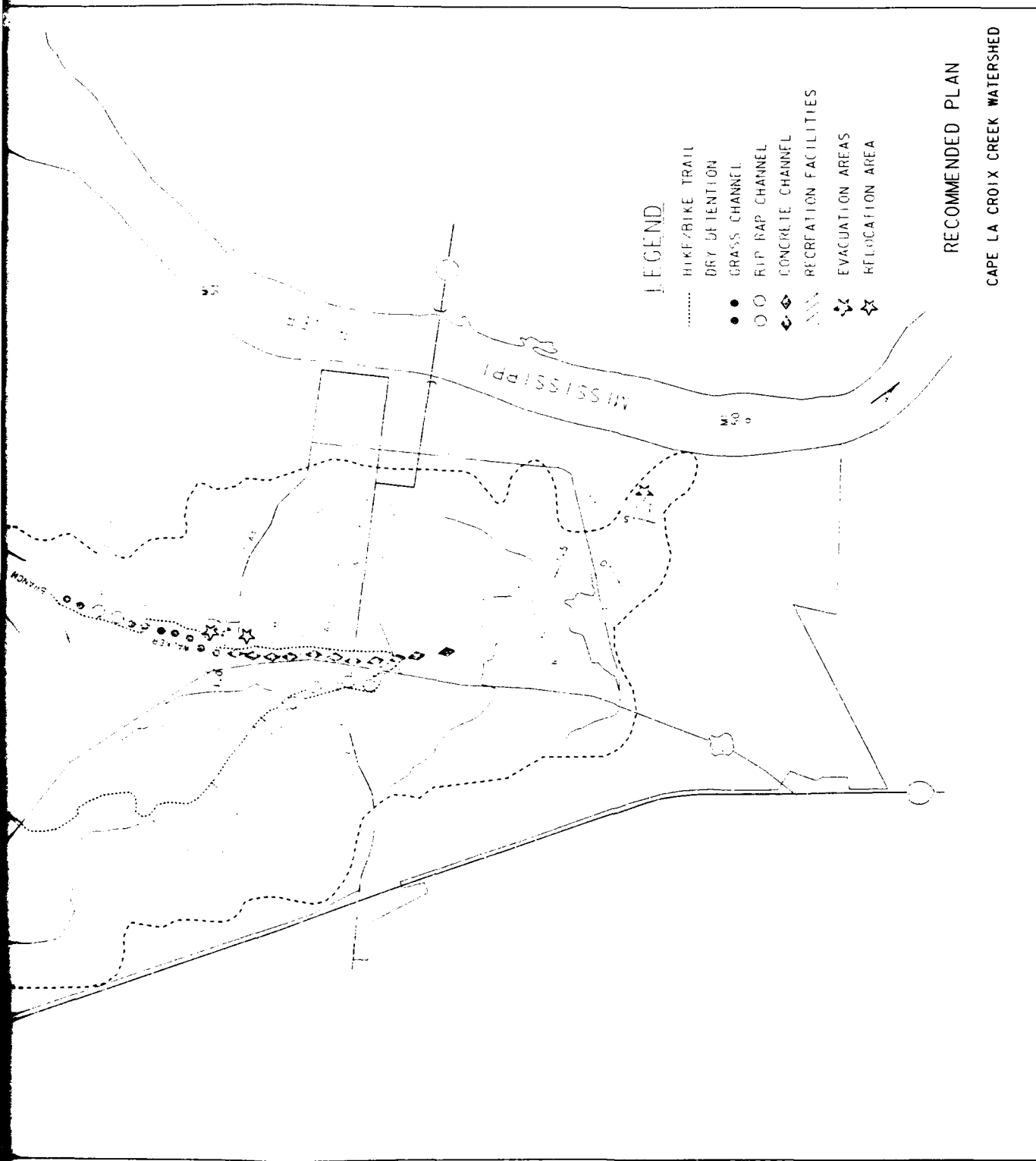
WATER



11-11-11

11-11-11





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1000

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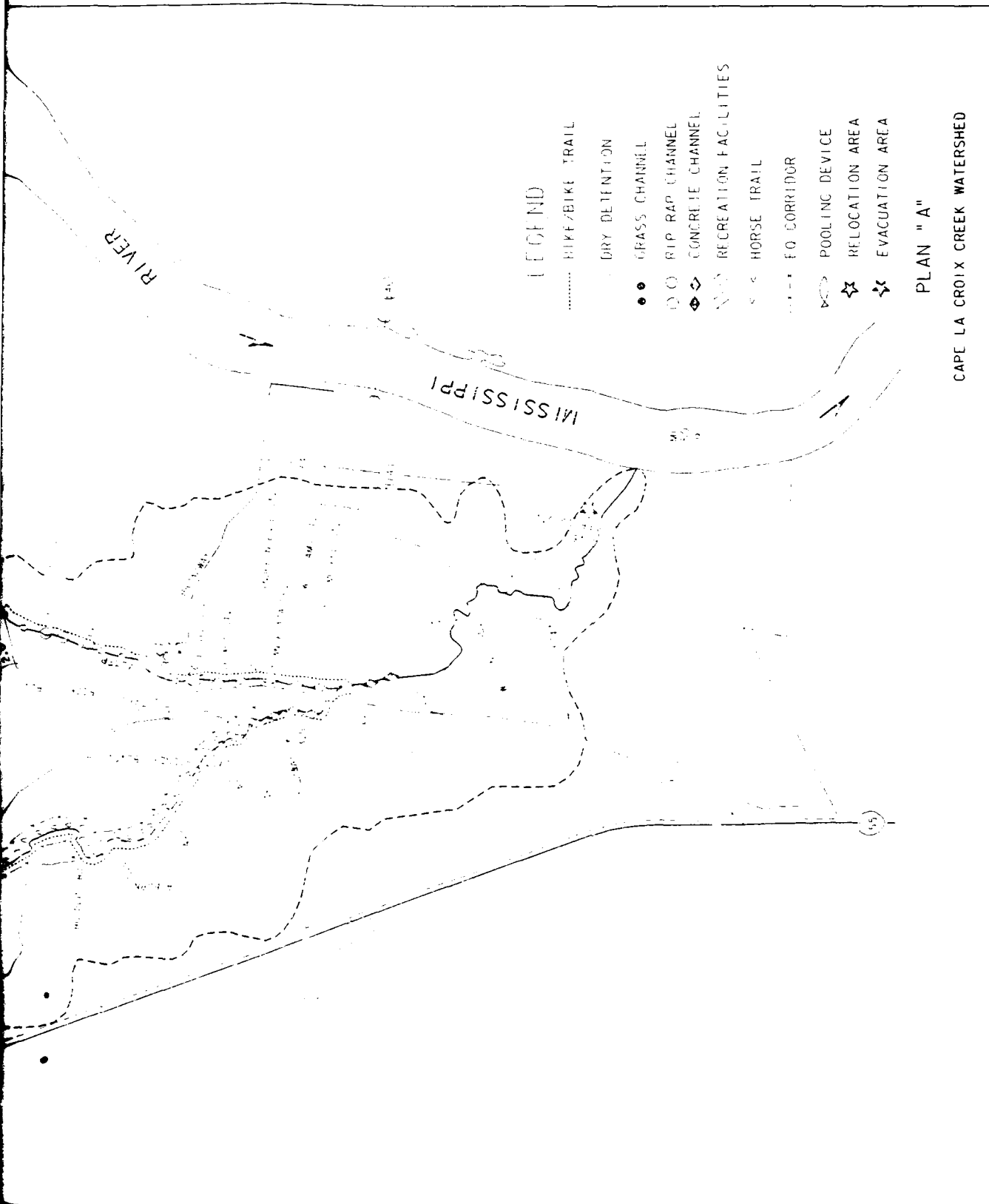
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WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY
ENGINEER DISTRICT ST LOUIS MO DEC 83

3/3

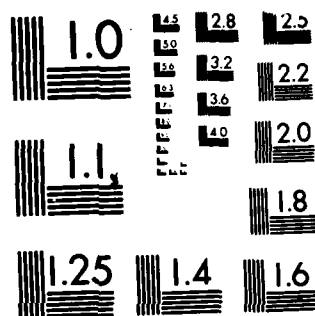
JNCLASSIFIED

F/G 13/2

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7-84
DTIC

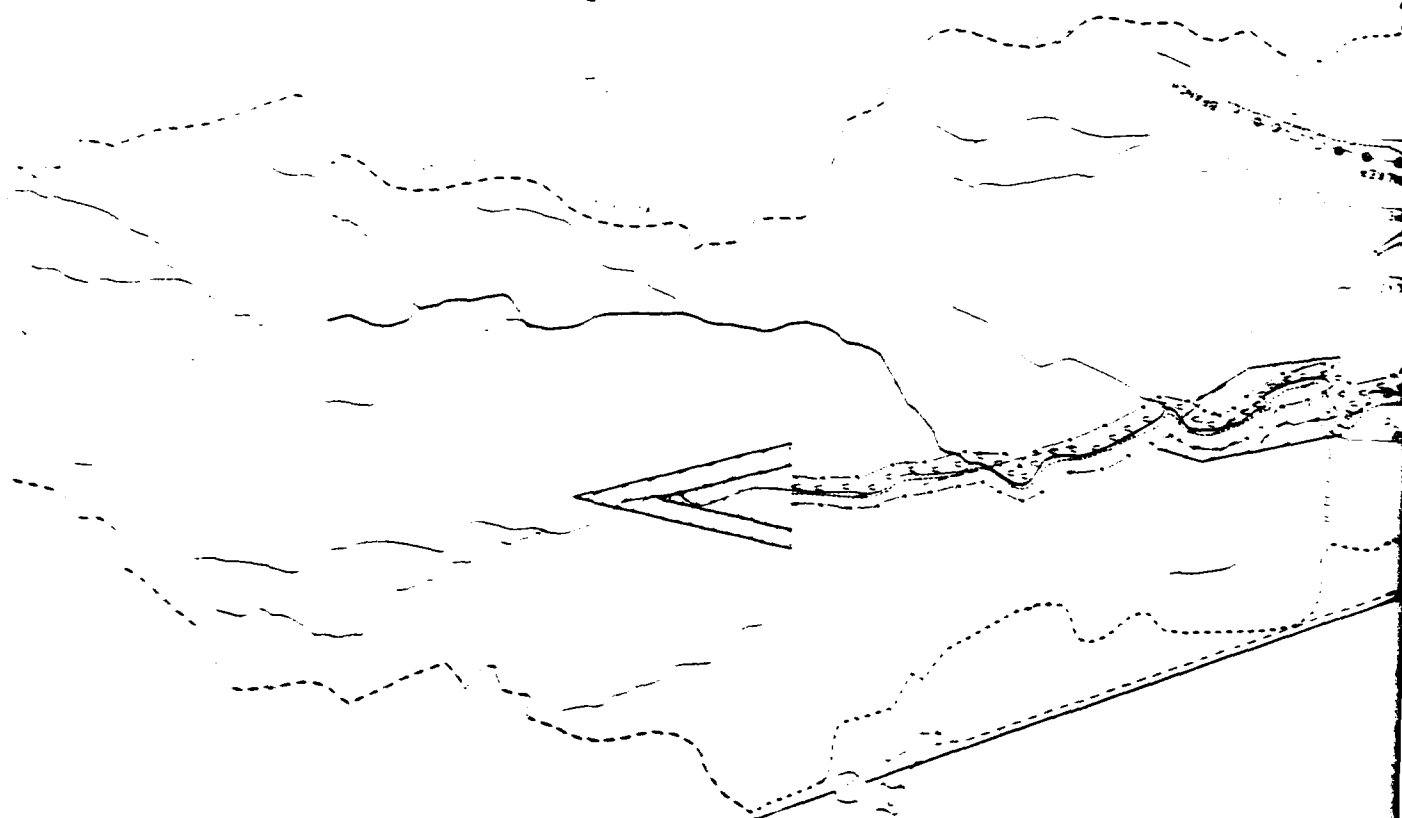


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963 A



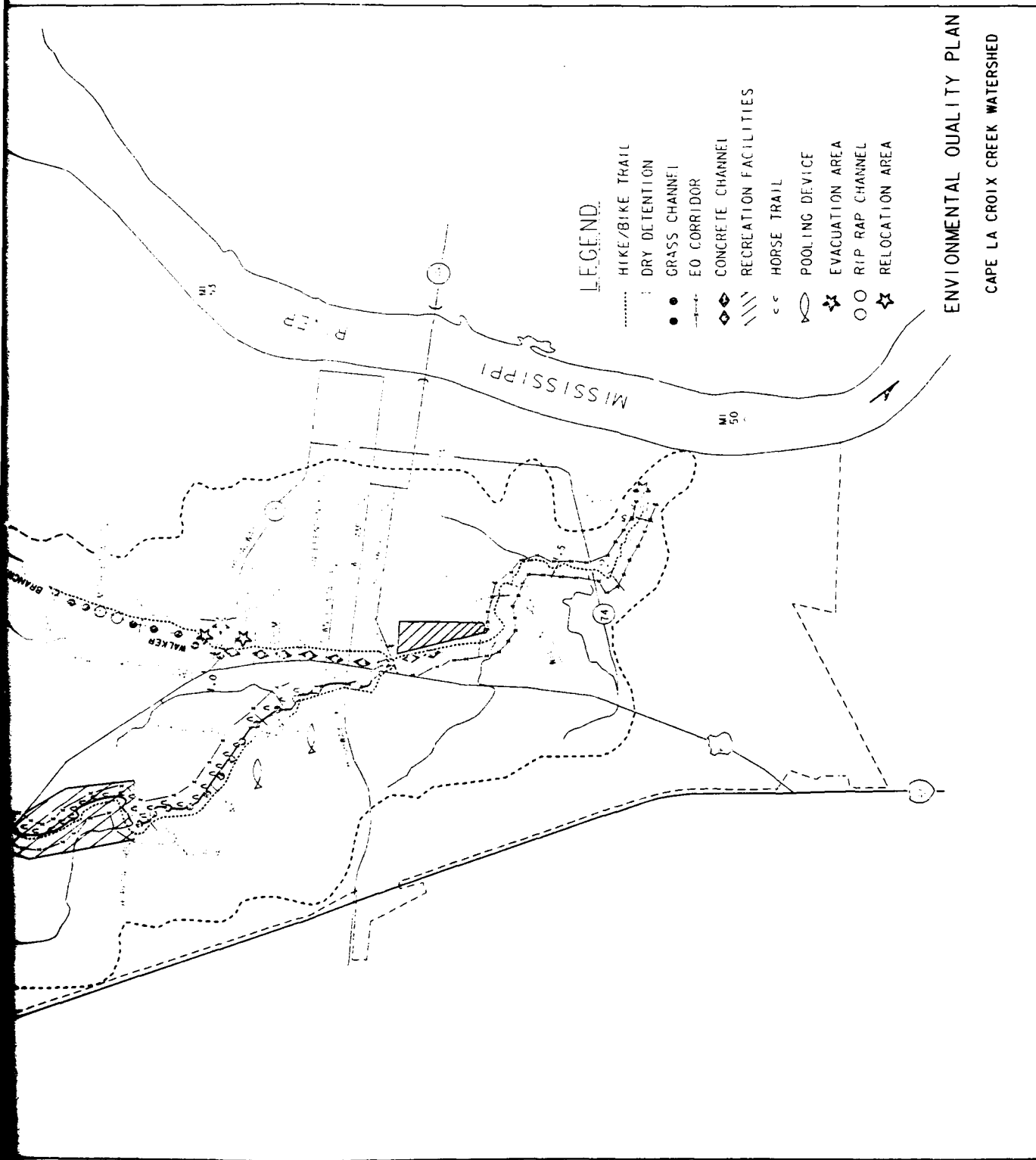
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1000000

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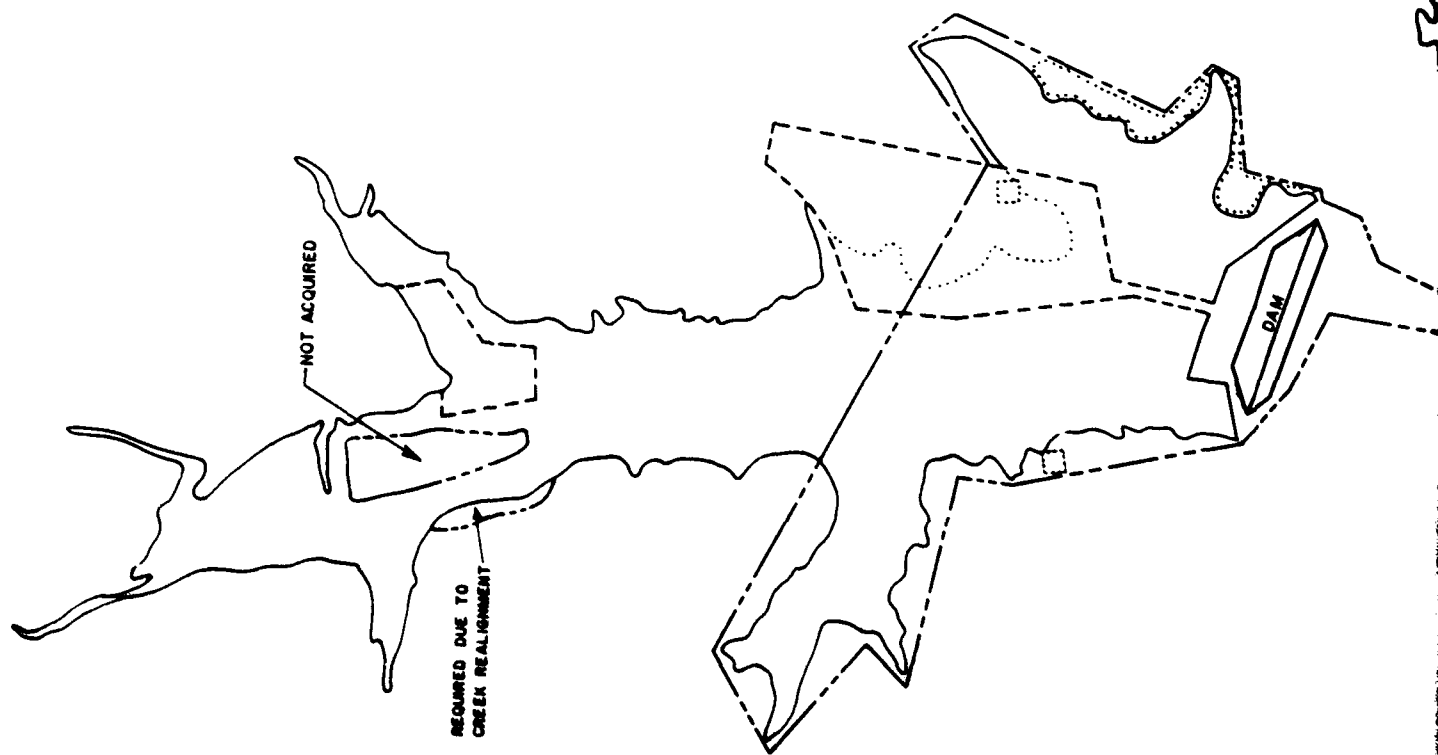
LEGEND

- HIKE/BIKE TRAIL
- DRY DETENTION
- GRASS CHANNEL
- EO CORRIDOR
- CONCRETE CHANNEL
- RECREATION FACILITIES
- HORSE TRAIL
- POOLING DEVICE
- EVACUATION AREA
- RIP RAP CHANNEL
- RELOCATION AREA

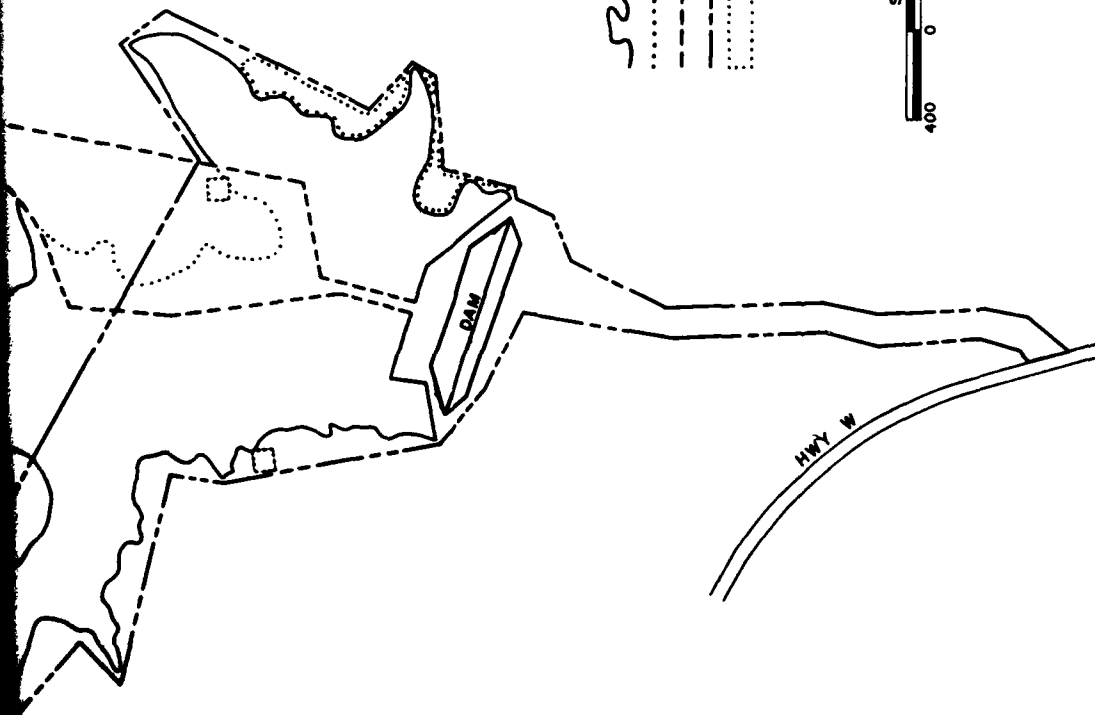
ENVIRONMENTAL QUALITY PLAN

CAPE LA CROIX CREEK WATERSHED

PLATE F8



LEGEND
R- FLOWAGE EASEMENT

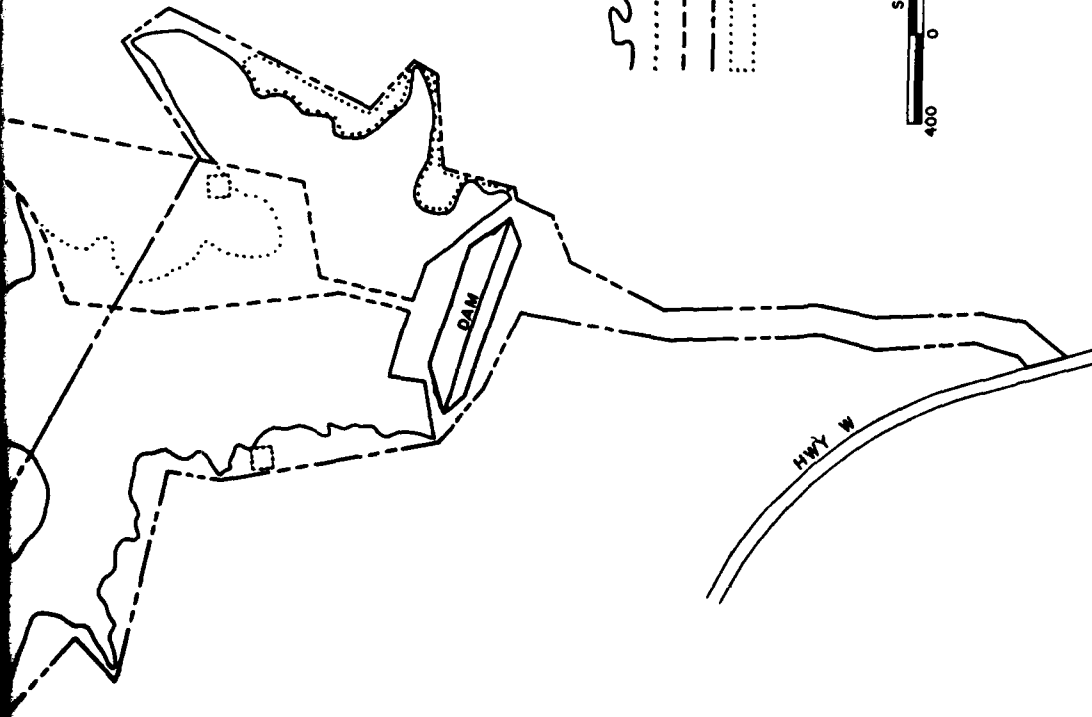


- LEGEND**
- FLOWAGE EASEMENT WITH IN BORROW EASEMENT
 - FLOWAGE EASEMENT
 - - - - - BORROW EASEMENT
 - - - - - FEE PURCHASE
 - SEPARABLE LANDS



RECOMMENDED PLAN
 DETENTION SITE 1
 LAND ACQUISITION
 CAPE LA CROIX CREEK WATERSHED

PLATE F-9



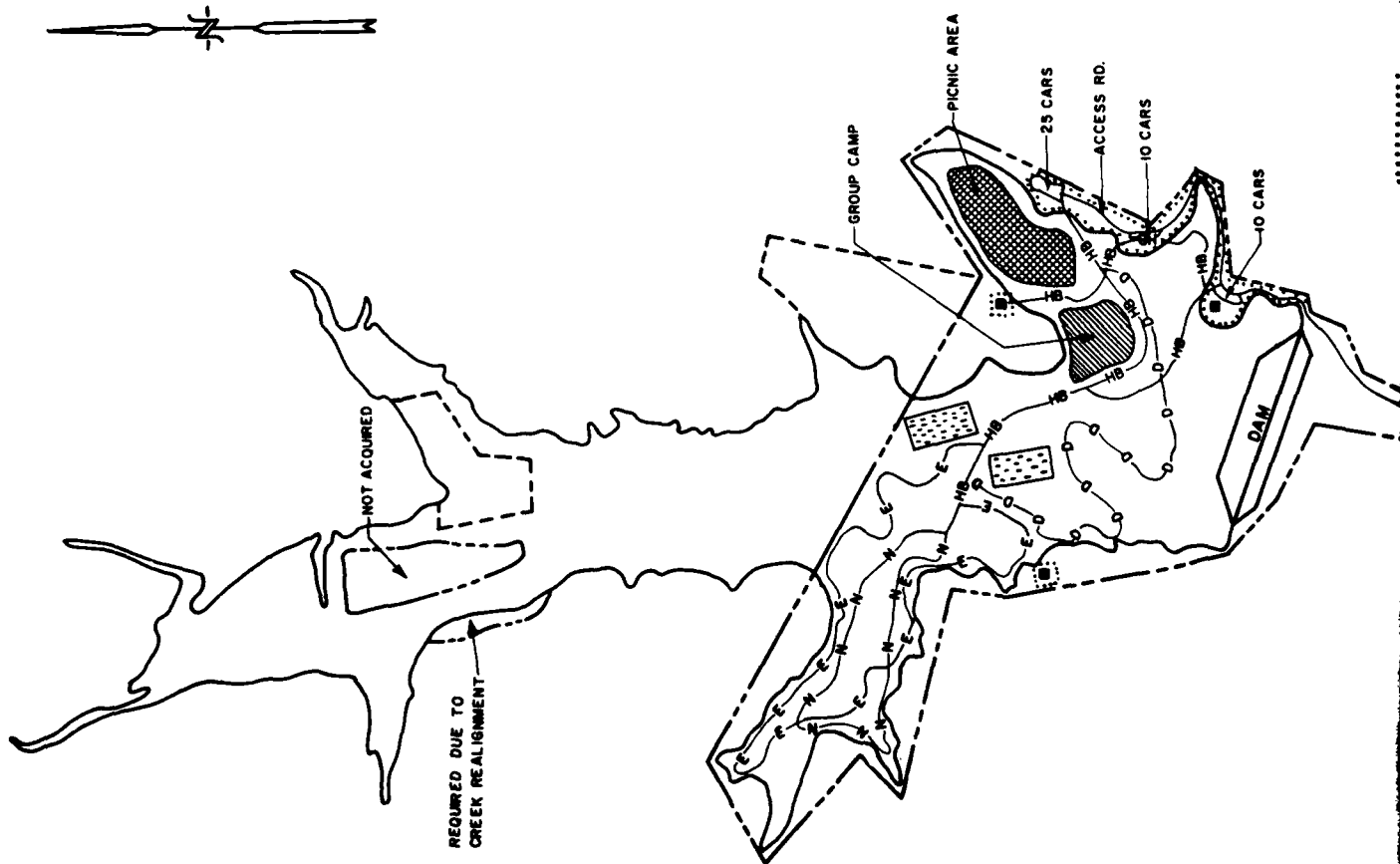
LEGEND

- FLOWAGE EASEMENT
- - - FLOWAGE EASEMENT WITH IN BORROW EASEMENT
- - - BORROW EASEMENT
- - - FEE PURCHASE
- - - SEPARABLE LANDS

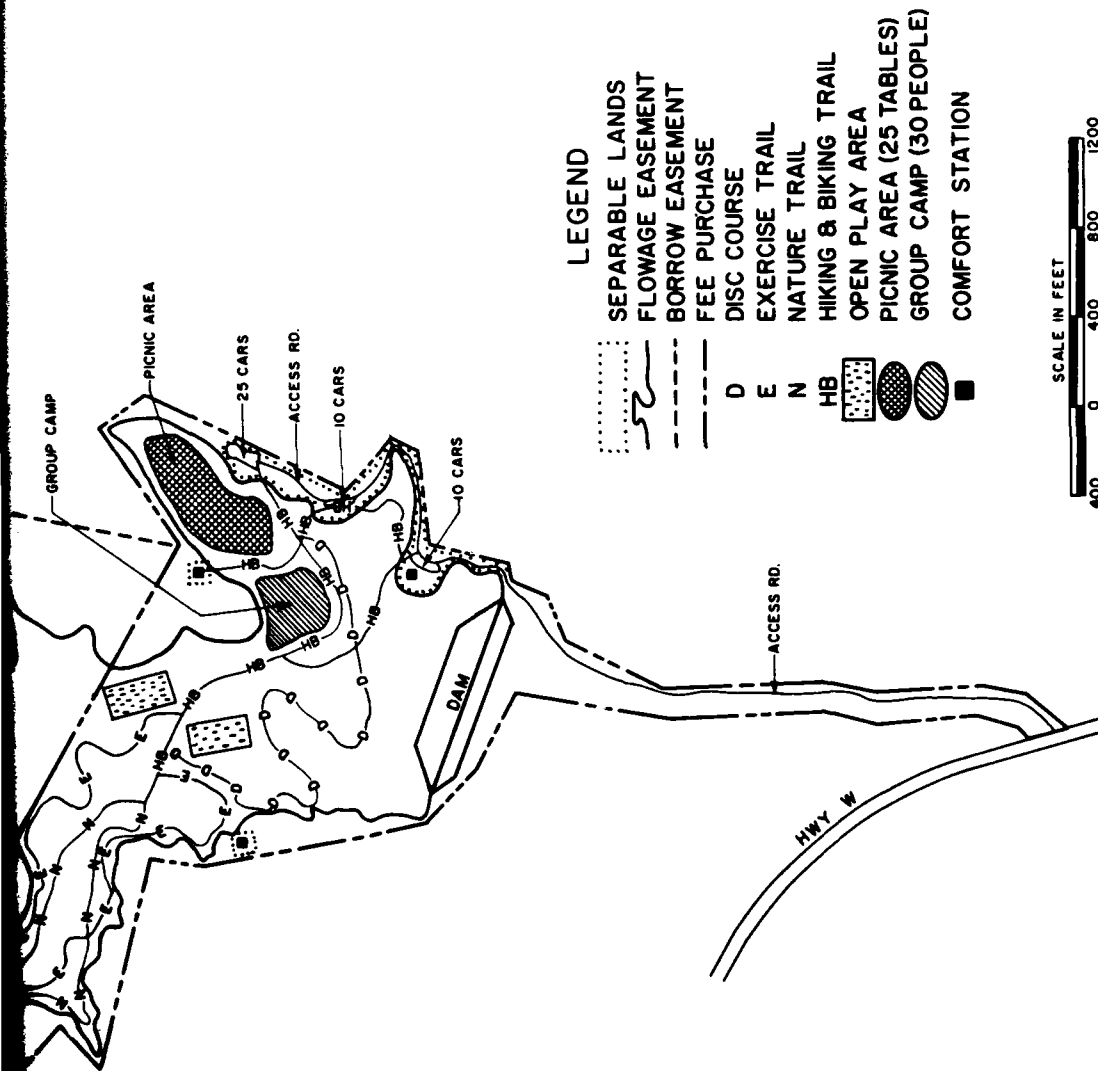


RECOMMENDED PLAN
DETENTION SITE I
LAND ACQUISITION
CAPE LA CROIX CREEK WATERSHED

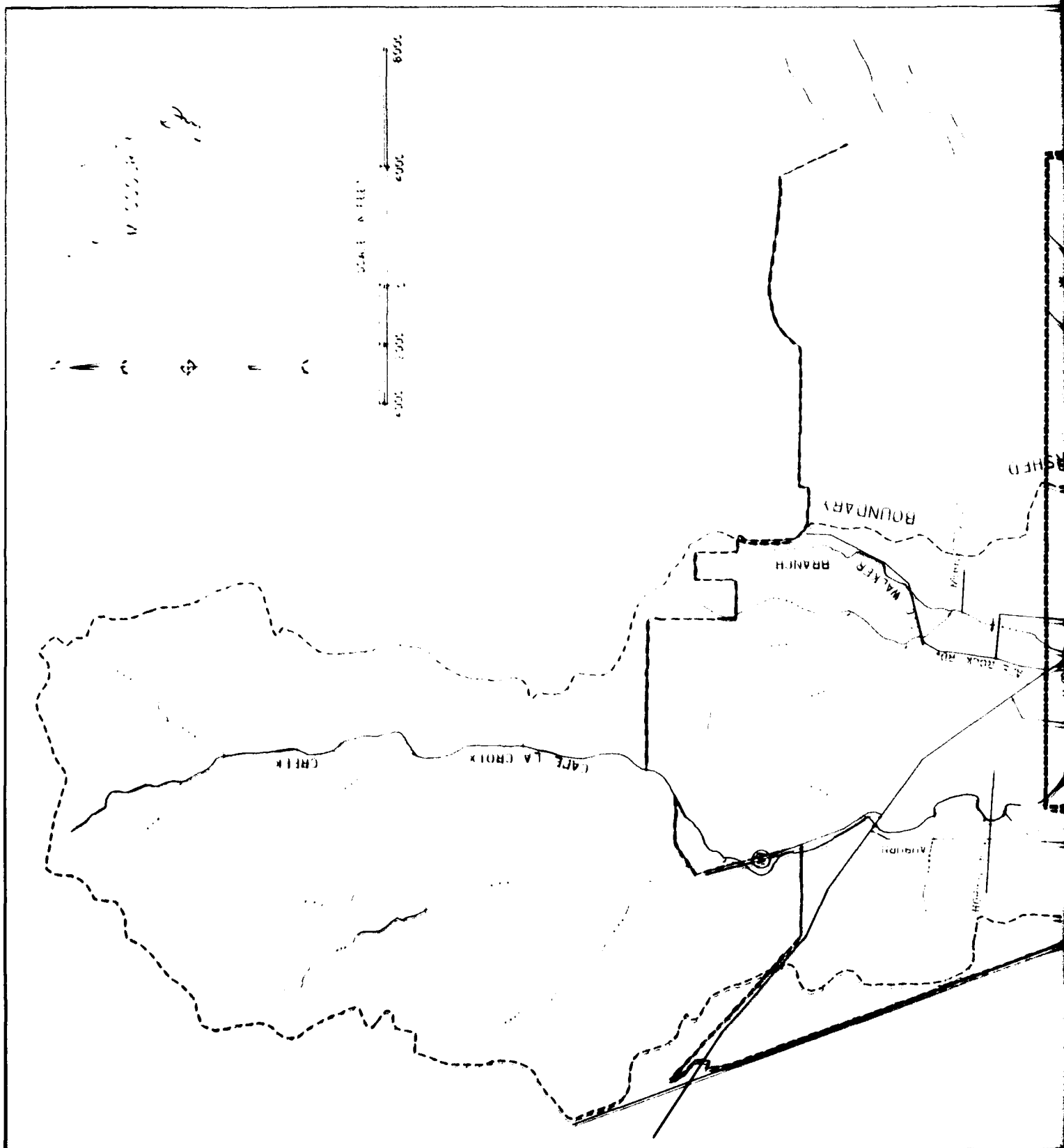
PLATE F-9

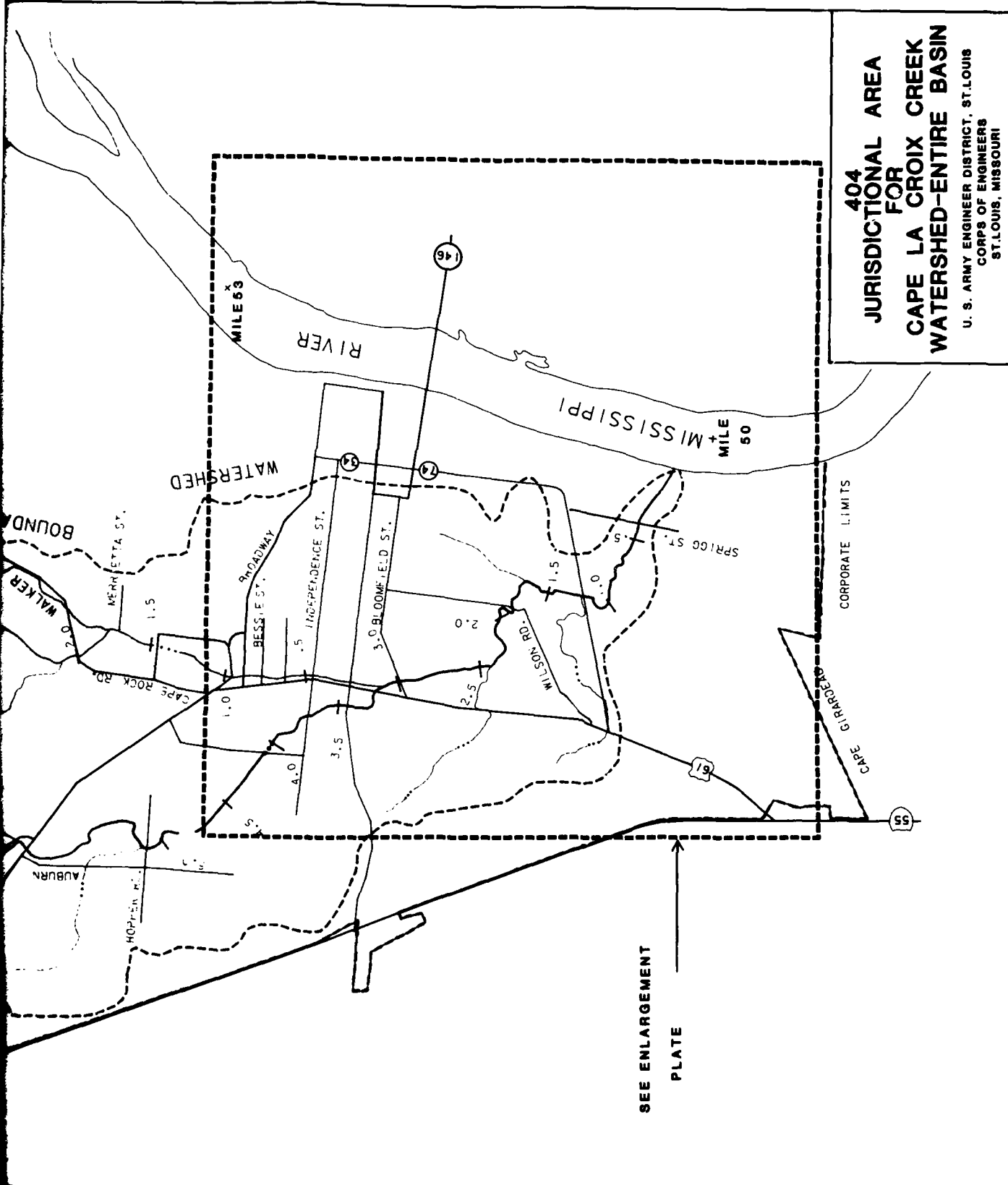


LEGEND



RECOMMENDED PLAN
 DETENTION SITE I
 RECREATION PLAN
 CAPE LA CROIX CREEK WATERSHED
 PLATE F-10





404
JURISDICTIONAL AREA
FOR
CAPE LA CROIX CREEK
WATERSHED-ENTIRE BASIN
U. S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

PLATE I-1

SEE ENLARGEMENT
PLATE

