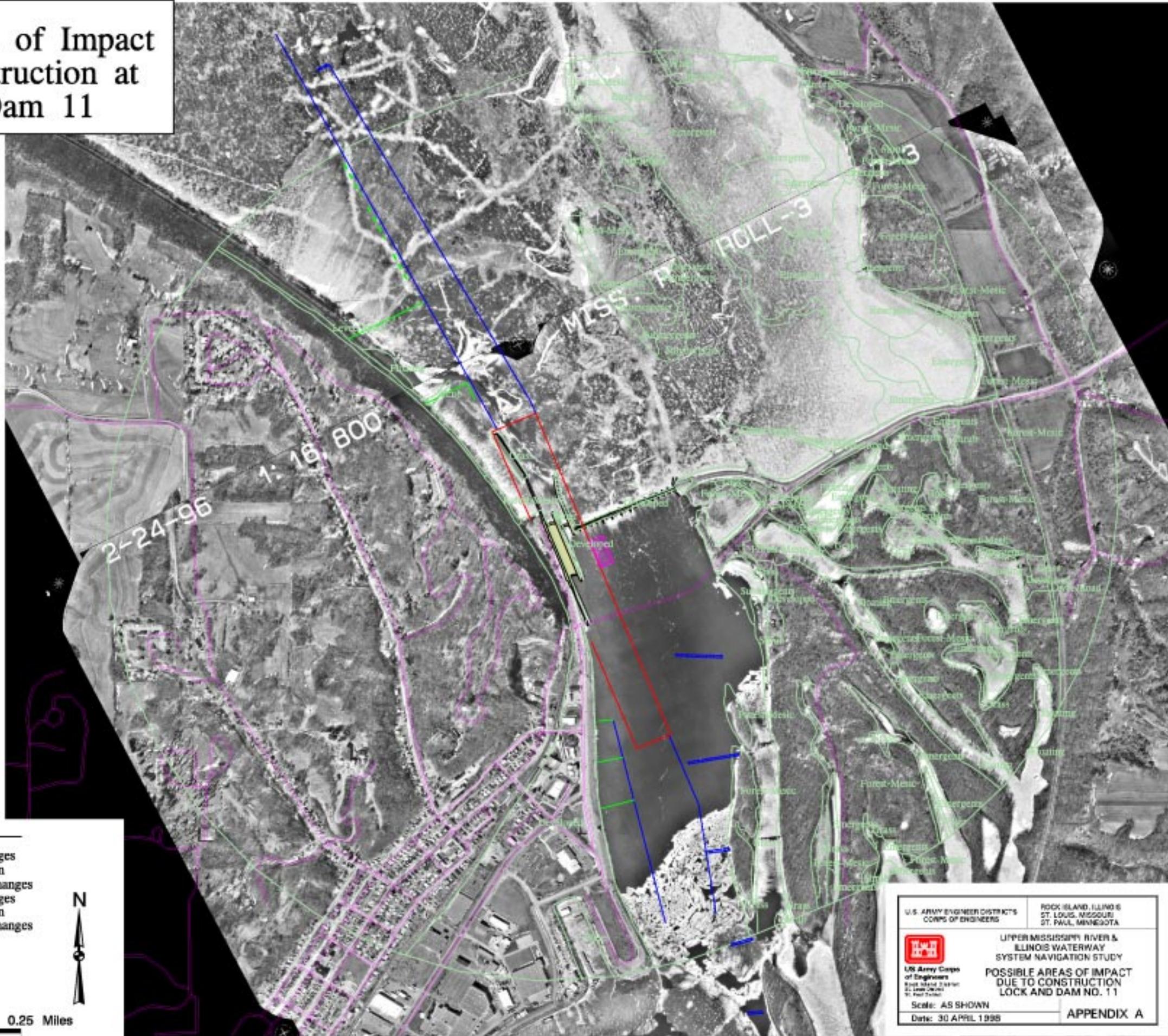


Appendix A

Project Planning Site Maps

Possible Areas of Impact Due to Construction at Lock & Dam 11



Legend

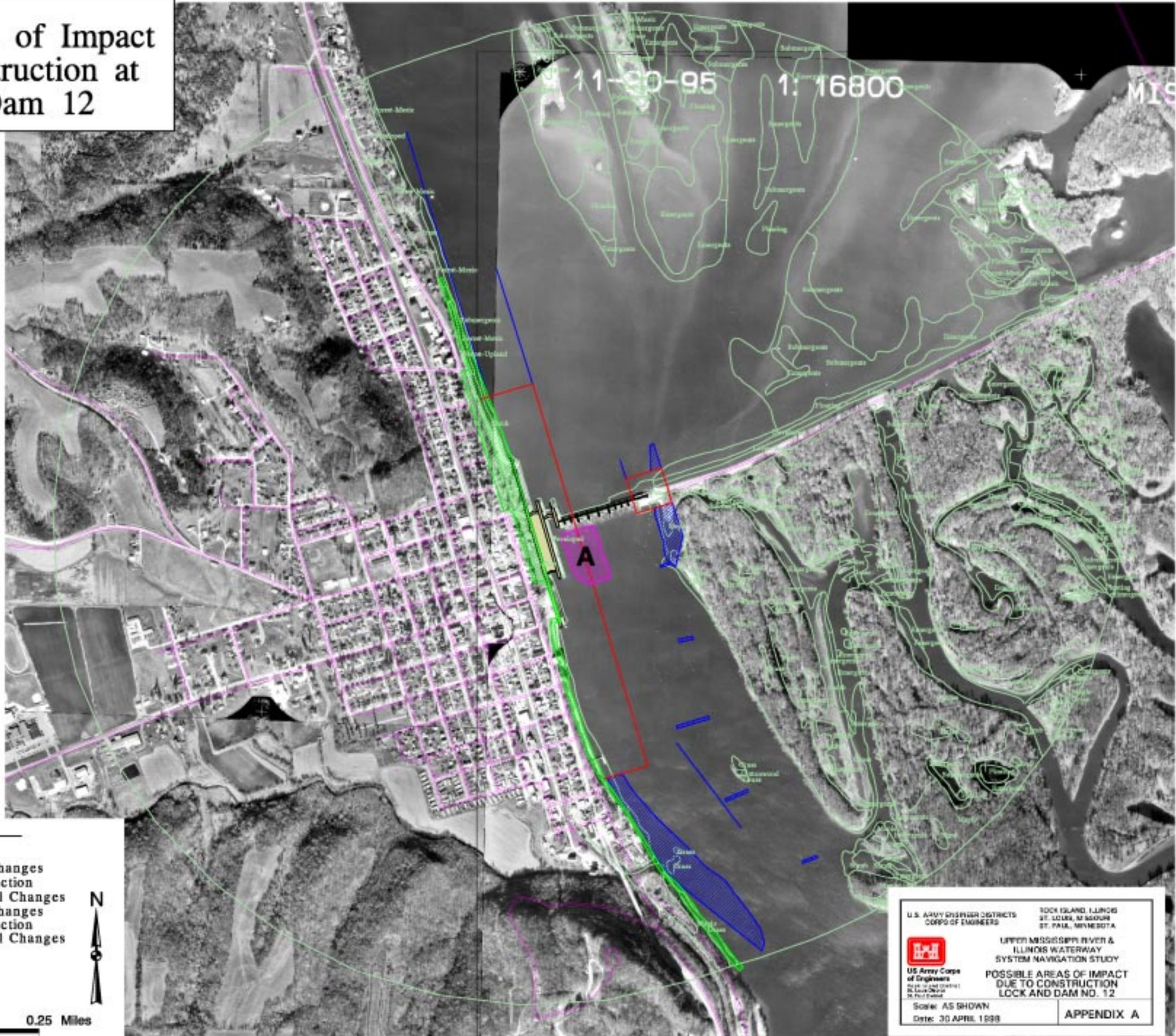
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Submerged Construction Roads
- Placement Sites
- Vegetation Classification
- Lock & Dam 11



0.25 0 0.25 Miles

U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
U.S. Army Corps of Engineers <small>8001 North 130th St. Louis, MO 63144 St. Paul, MN 55108</small>	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 11
Scale: AS SHOWN	APPENDIX A
Date: 30 APRIL 1988	

Possible Areas of Impact Due to Construction at Lock & Dam 12



Legend

- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Sites
- Vegetation Classification
- Roads
- Lock & Dam 12



0.25 0 0.25 Miles

U.S. ARMY DISTRICT DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
U.S. Army Corps of Engineers Major General R. Lock 2001 M. Paul 2002	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 12
Scale: AS SHOWN	APPENDIX A
Date: 30 APRIL 1998	

Possible Areas of Impact Due to Construction at Lock & Dam 13

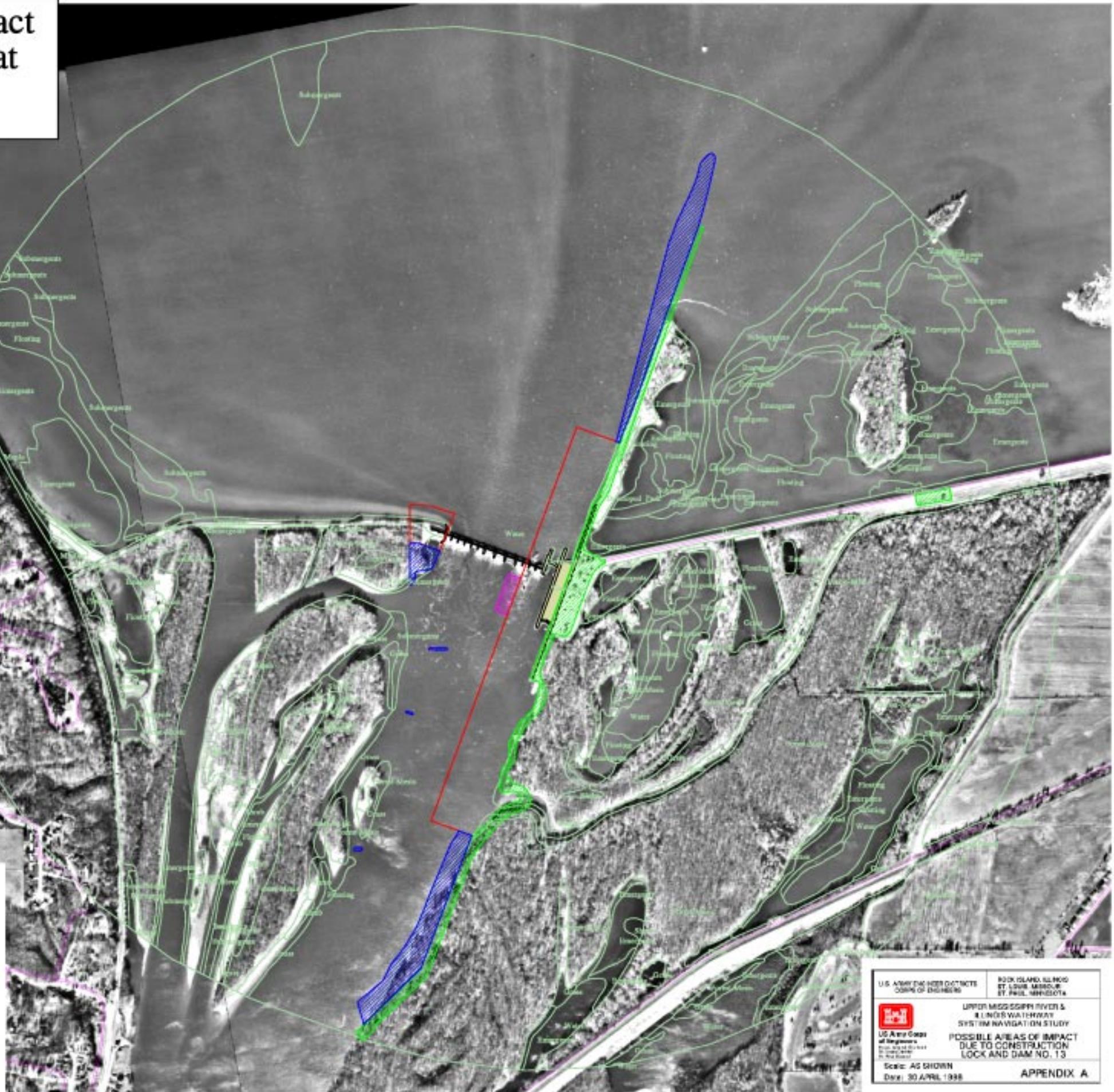
Placement Site Key

Legend

- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Sites
- Vegetation Classification
- Roads
- Lock & Dam 13



0.25 0 0.25 Miles



U.S. ARMY ENGINEER DISTRICTS CORPS OF DISTRICTS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
US Army Corps of Engineers District Office St. Louis, MO	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 13
Scale: AS SHOWN Date: 30 APRIL 1998	APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 14

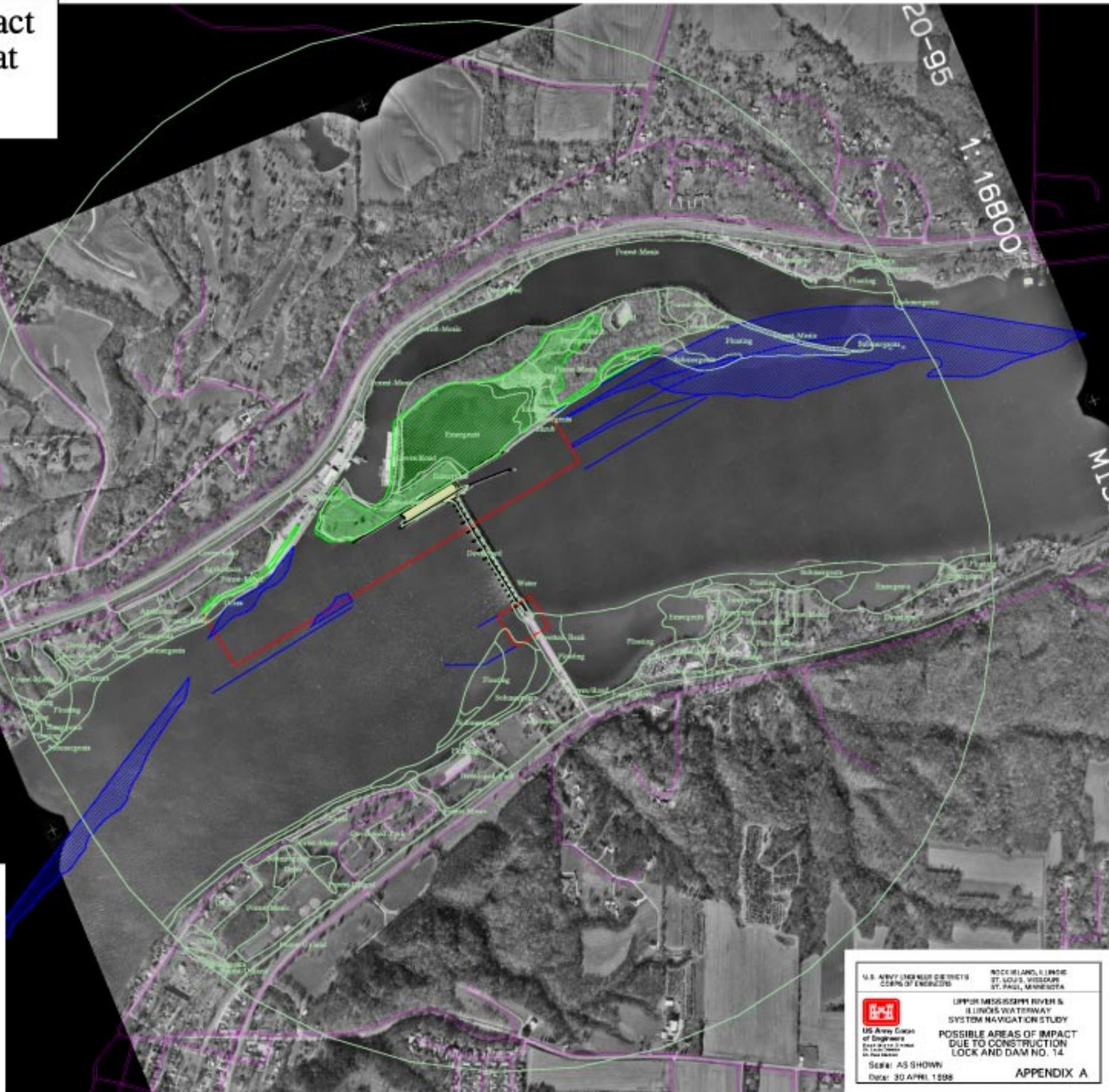
Placement Site Key

Legend

-  Areas Affected by Lock Changes
-  Areas Affected by Construction
-  Areas Affected by Channel Changes
-  Areas Affected by Lock Changes
-  Areas Affected by Construction
-  Areas Affected by Channel Changes
-  Placement Sites
-  Vegetation Classification
-  Roads
-  Lock & Dam 14



0.25 0 0.25 Miles



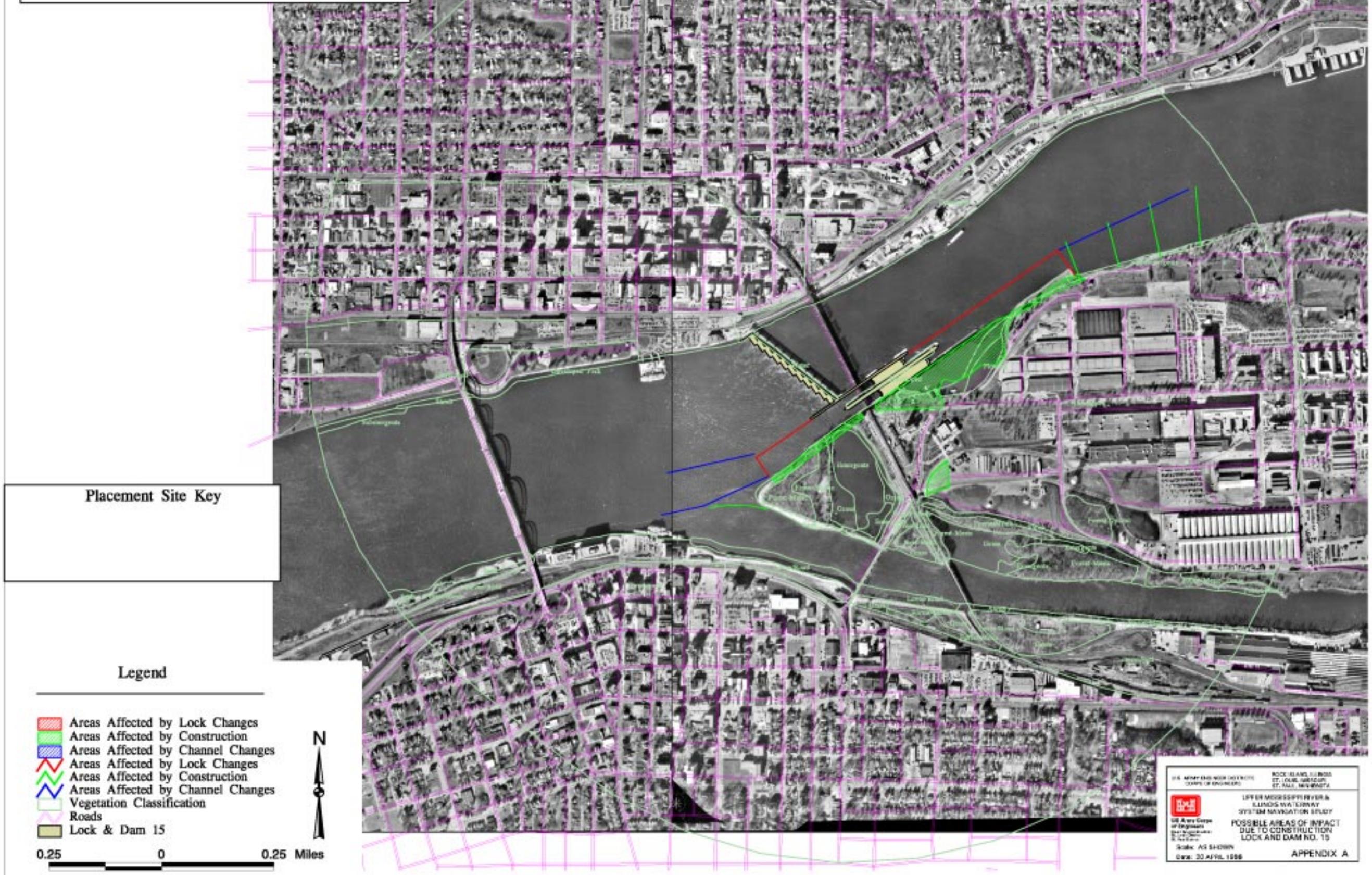
U.S. ARMY CORPS OF ENGINEERS
 ROCK ISLAND DISTRICT
 ST. LOUIS, MISSOURI
 ST. PAUL, MINNESOTA

UPPER MISSISSIPPI RIVER &
 ILLINOIS WATERWAY
 SYSTEM NAVIGATION STUDY
 POSSIBLE AREAS OF IMPACT
 DUE TO CONSTRUCTION
 LOCK AND DAM NO. 14

Scale: AS SHOWN
 Date: 30 APRIL 1998

APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 15



Placement Site Key

Legend

- ▭ Areas Affected by Lock Changes
- ▭ Areas Affected by Construction
- ▭ Areas Affected by Channel Changes
- ▭ Areas Affected by Lock Changes
- ▭ Areas Affected by Construction
- ▭ Areas Affected by Channel Changes
- ▭ Vegetation Classification
- ▭ Roads
- ▭ Lock & Dam 15

0.25 0 0.25 Miles



U.S. ARMY ENGINEER DISTRICT
ROCK ISLAND, ILLINOIS
ST. LOUIS, MISSOURI
ST. PAUL, MINNESOTA

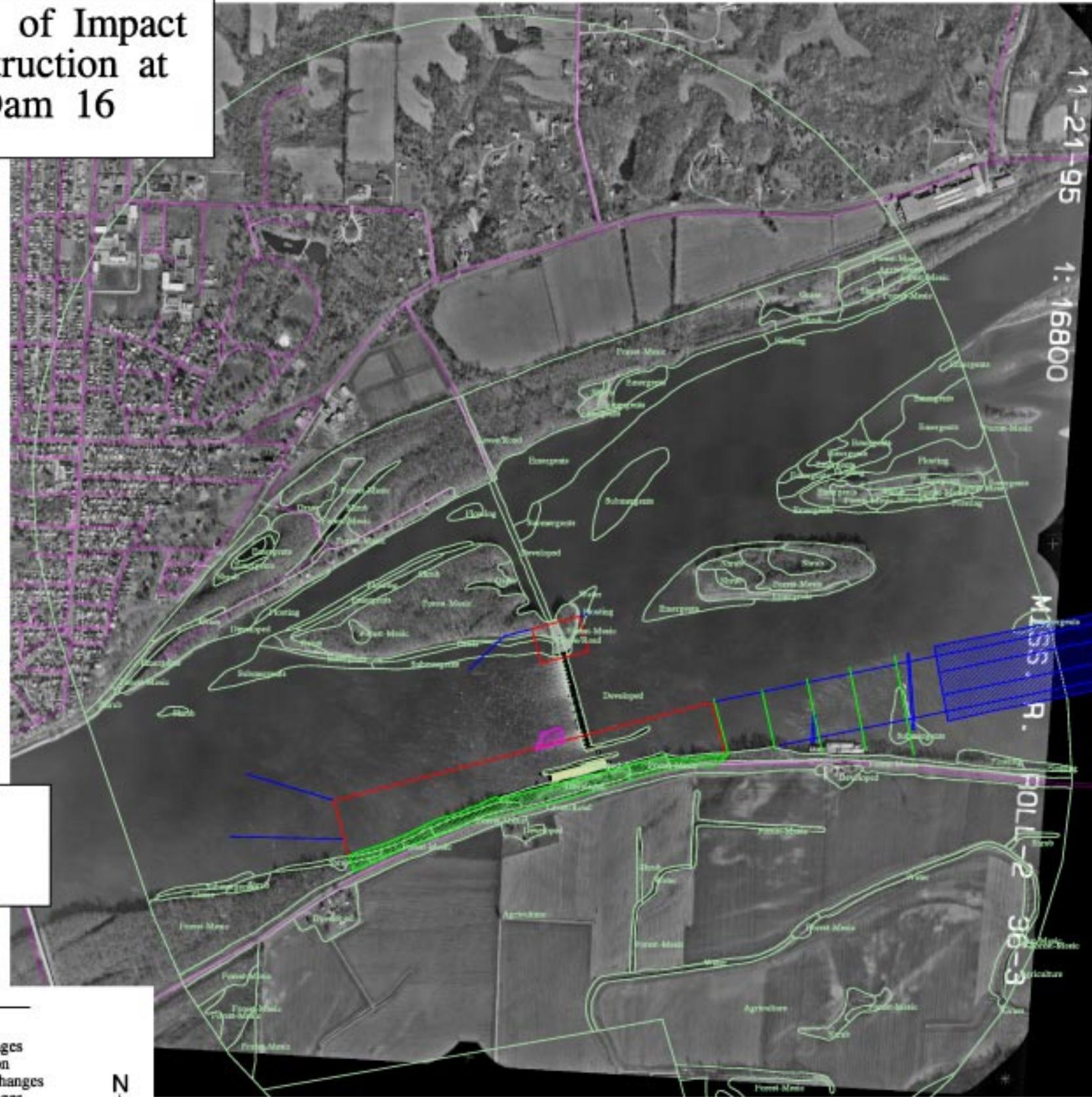

UPPER MISSISSIPPI RIVER & ILLINOIS VALLEY NAVIGATION SYSTEM NAVIGATION STUDY

POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 15

Scale: AS SHOWN
Date: 30 APRIL 1998

APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 16



11-21-95 1:16800

MISS. R.

POLL-2 30-3

Placement Site Key

Legend

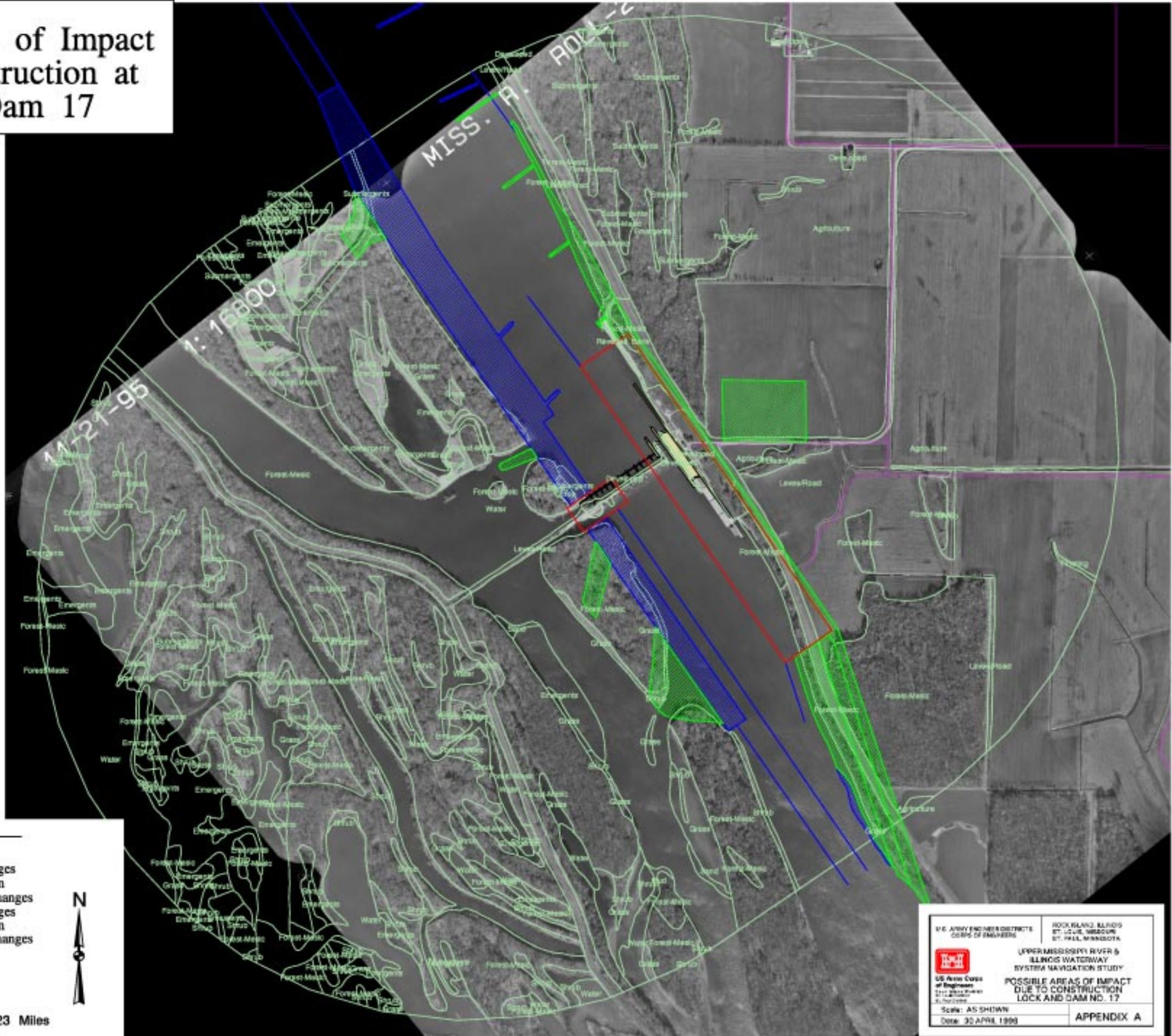
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Sites
- Vegetation Classification
- Roads
- Lock & Dam 16

0.25 0 0.25 Miles



U.S. Army Corps of Engineers DISTRICT OF DISTRICTS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
UPPER MISSISSIPPI RIVER & LINCOLN WATERWAY SYSTEM NAVIGATION STUDY	
POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 16	
Scale: AS SHOWN Date: 30 APRIL 1998	APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 17



Legend

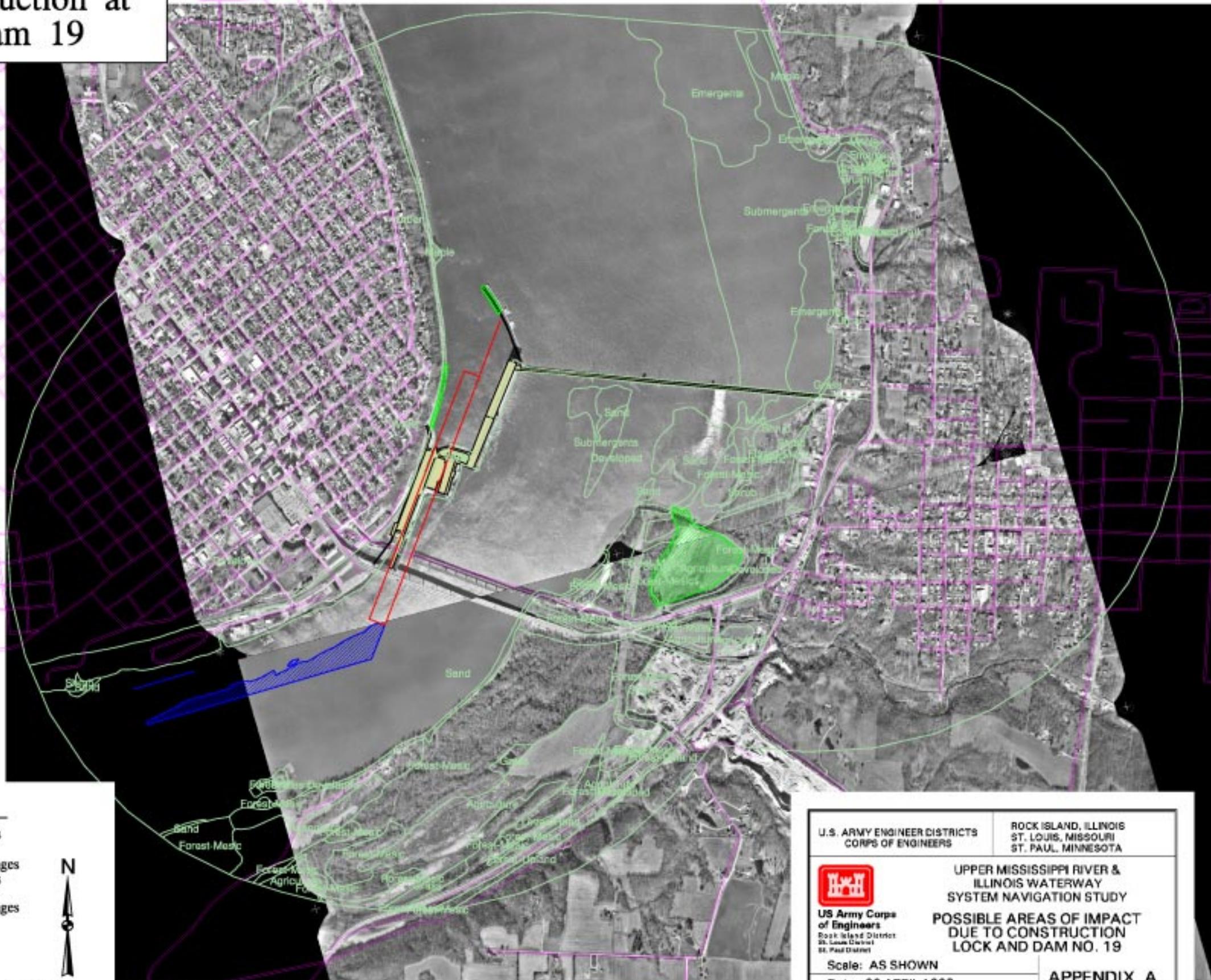
- ▨ Areas Affected by Lock Changes
- ▨ Areas Affected by Construction
- ▨ Areas Affected by Channel Changes
- ▨ Areas Affected by Lock Changes
- ▨ Areas Affected by Construction
- ▨ Areas Affected by Channel Changes
- ▨ Placement Sites
- ▨ Vegetation Classification
- ▨ Roads
- ▨ Lock & Dam 17



0.23 0 0.23 Miles

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
US Army Corps of Engineers ST. LOUIS SUBDISTRICT	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 17
Scale: AS SHOWN	APPENDIX A
Date: 30 APRIL 1998	

Possible Areas of Impact Due to Construction at Lock & Dam 19



Legend

- ▭ Areas Affected by Lock Changes
- ▭ Areas Affected by Construction
- ▭ Areas Affected by Channel Changes
- ▭ Areas Affected by Lock Changes
- ▭ Areas Affected by Construction
- ▭ Areas Affected by Channel Changes
- ▭ Placement Sites
- ▭ Vegetation Classification
- ▭ Roads
- ▭ Lock & Dam 19



0.34 0 0.34 Miles

U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
US Army Corps of Engineers Rock Island District St. Louis District St. Paul District	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 19
Scale: AS SHOWN	APPENDIX A
Date: 30 APRIL 1998	

Possible Areas of Impact Due to Construction at Lock & Dam 20

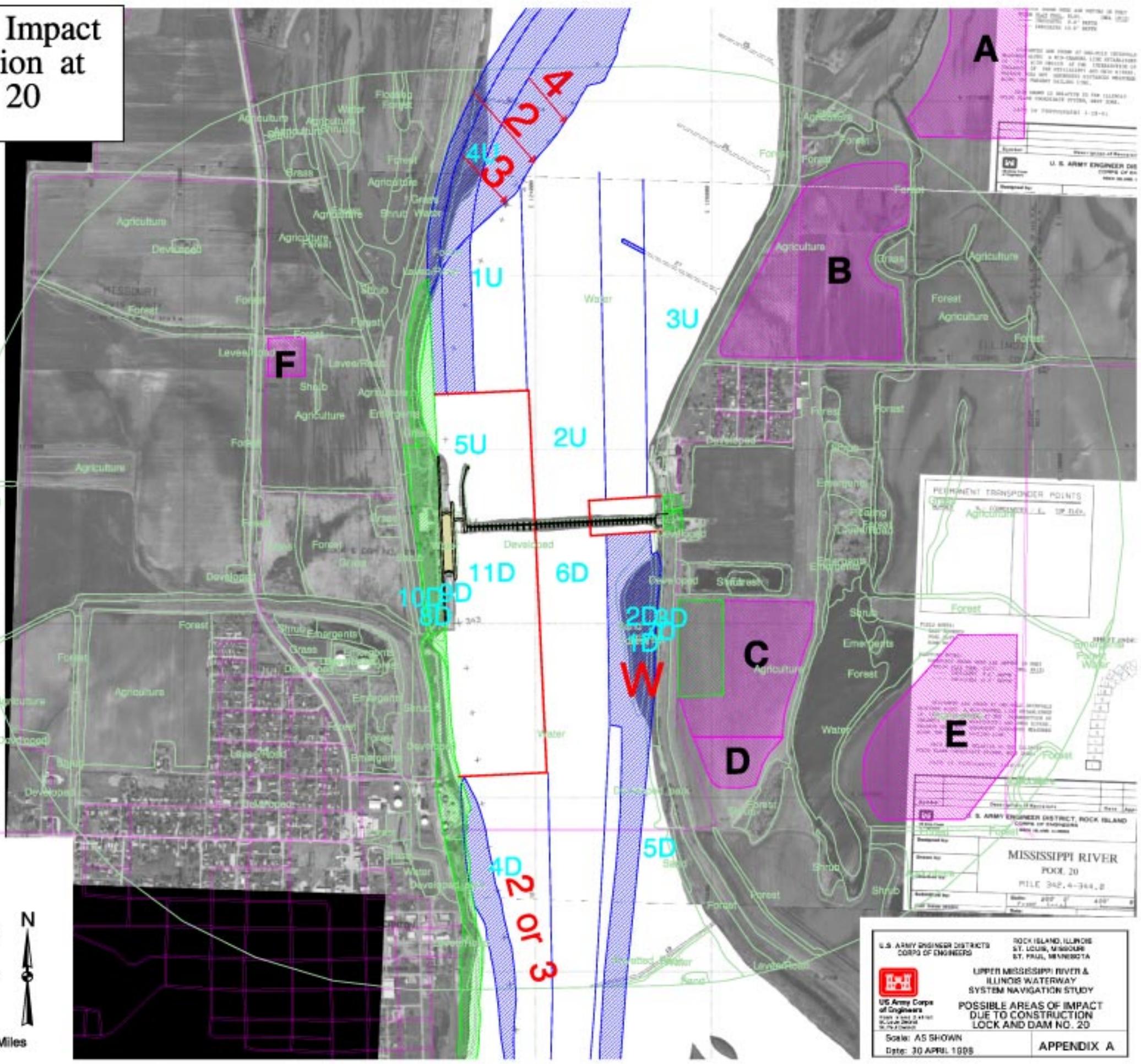
Placement Site Key

Location 2 = Placement Sites ABDF
 Location 3 = Placement Sites BDF part of A
 Location 4 = Placement Site B
 Wicket = Placement Sites CDE

Legend

- 5D Sample Sites
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Sites
- Roads
- Lock & Dam 20

0.25 0 0.25 Miles



PERMANENT TRANSPONDER POINTS

MISSISSIPPI RIVER
 POOL 20
 FILE 242.4-344.0

U.S. ARMY ENGINEER DISTRICT, ROCK ISLAND
 CORPS OF ENGINEERS

U.S. ARMY ENGINEER DISTRICTS
 CORPS OF ENGINEERS

ROCK ISLAND, ILLINOIS
 ST. LOUIS, MISSOURI
 ST. PAUL, MINNESOTA

UPPER MISSISSIPPI RIVER &
 ILLINOIS WATERWAY
 SYSTEM NAVIGATION STUDY

**POSSIBLE AREAS OF IMPACT
 DUE TO CONSTRUCTION
 LOCK AND DAM NO. 20**

Scale: AS SHOWN
 Date: 30 APRIL 1998

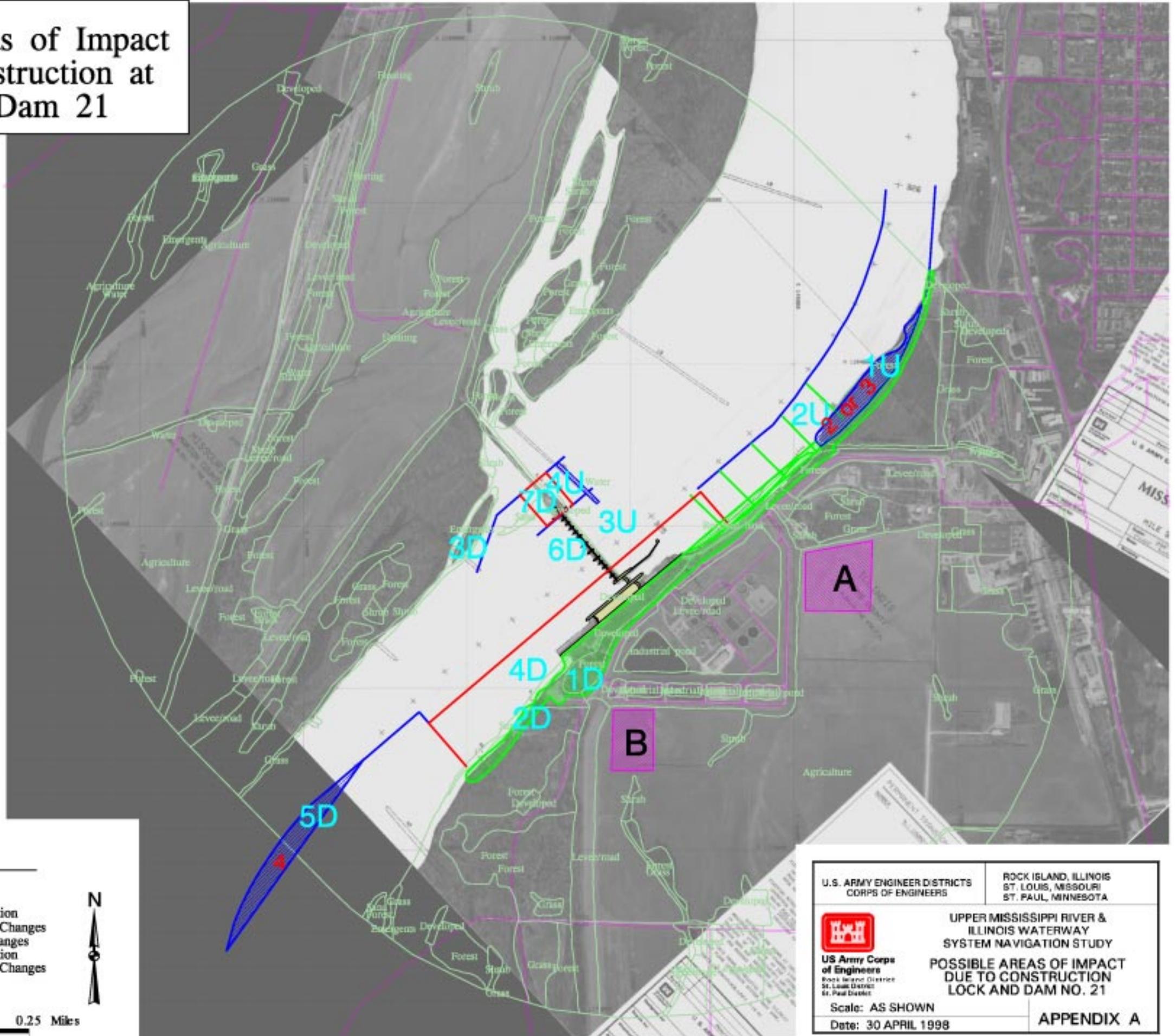
APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 21

Placement Site Key
 Location 2 = Placement Site A
 Location 3 = Placement Site A
 Location 4 = Placement Site B

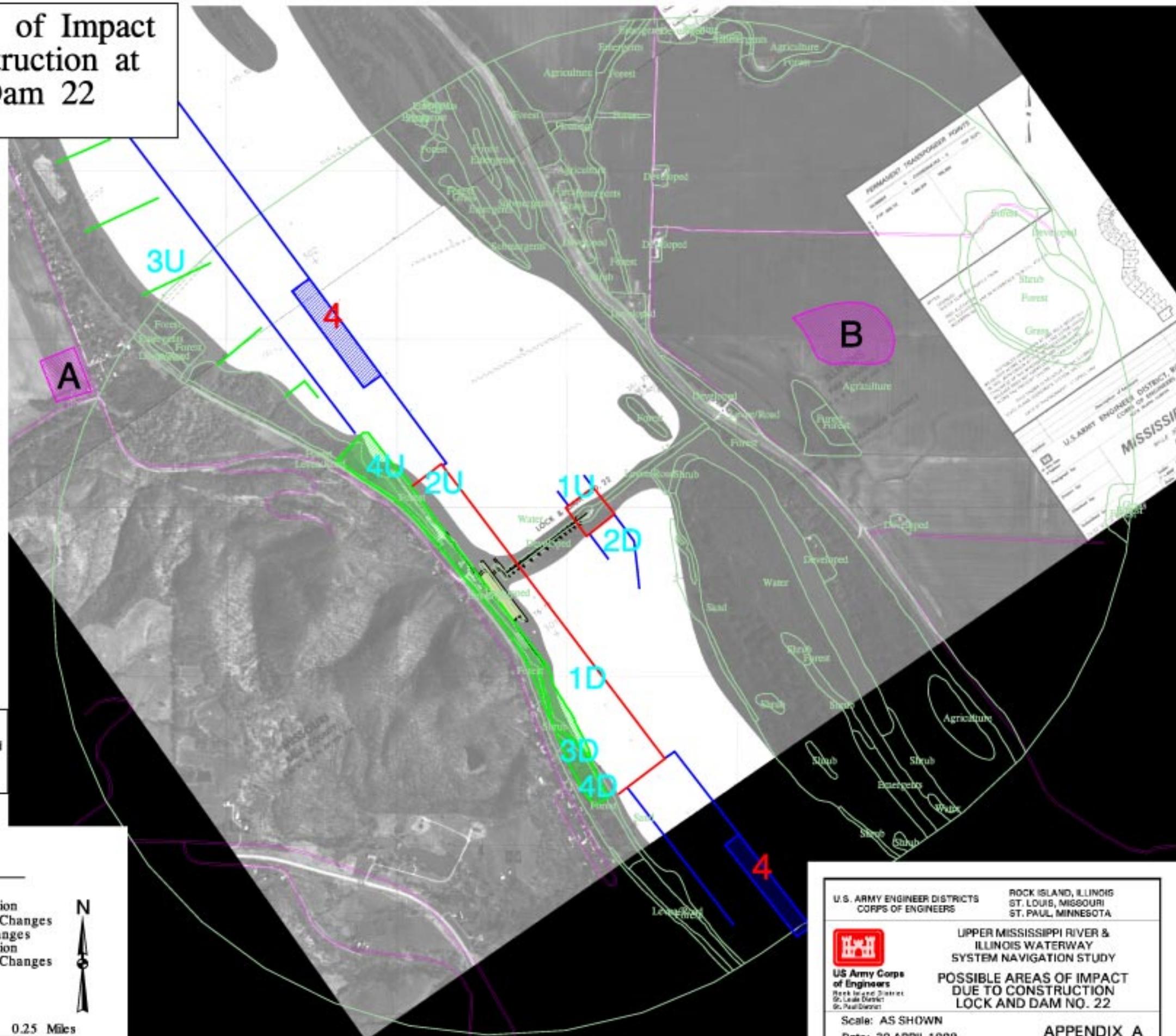
- Legend**
- 5D Sample Sites
 - Placement Sites
 - Areas Affected by Construction
 - Areas Affected by Channel Changes
 - Areas Affected by Lock Changes
 - Areas Affected by Construction
 - Areas Affected by Channel Changes
 - Roads
 - Lock & Dam 21

0.25 0 0.25 Miles



U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
 US Army Corps of Engineers Rock Island District St. Louis District St. Paul District	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 21
Scale: AS SHOWN	APPENDIX A
Date: 30 APRIL 1998	

Possible Areas of Impact Due to Construction at Lock & Dam 22



Placement Site Key
 Location 2 = No Dredging Needed
 Location 3 = Placement Site A
 Location 4 = Placement Site AB

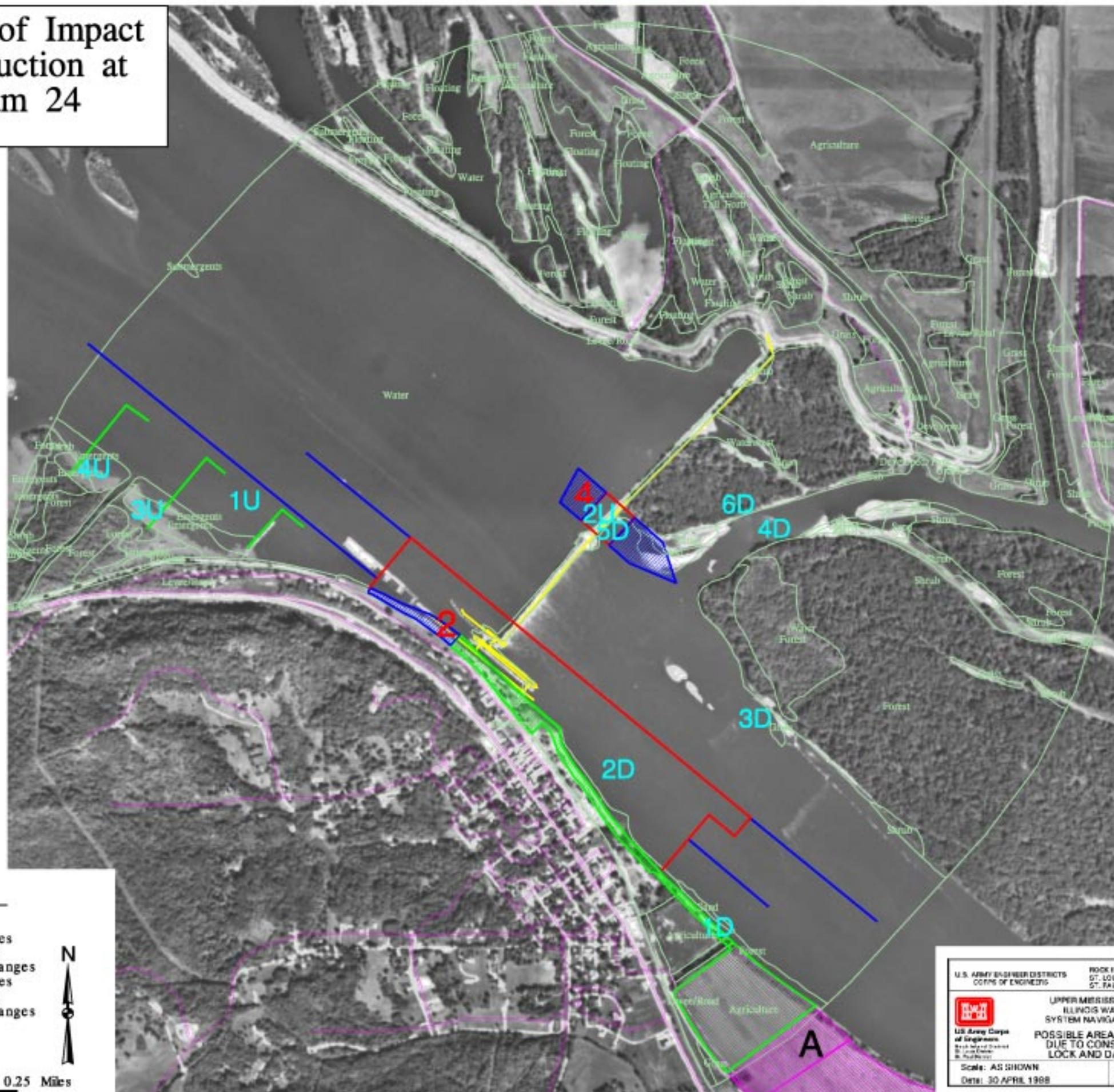
Legend

- 4D Sample Sites
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Sites
- Roads
- Lock & Dam 22

0.25 0 0.25 Miles

U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
U.S. Army Corps of Engineers Rock Island District St. Louis District St. Paul District	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 22
Scale: AS SHOWN Date: 30 APRIL 1998	APPENDIX A

Possible Areas of Impact Due to Construction at Lock & Dam 24



Placement Site Key
 Location 2 = Placement Site A
 Location 4 = Placement Site A

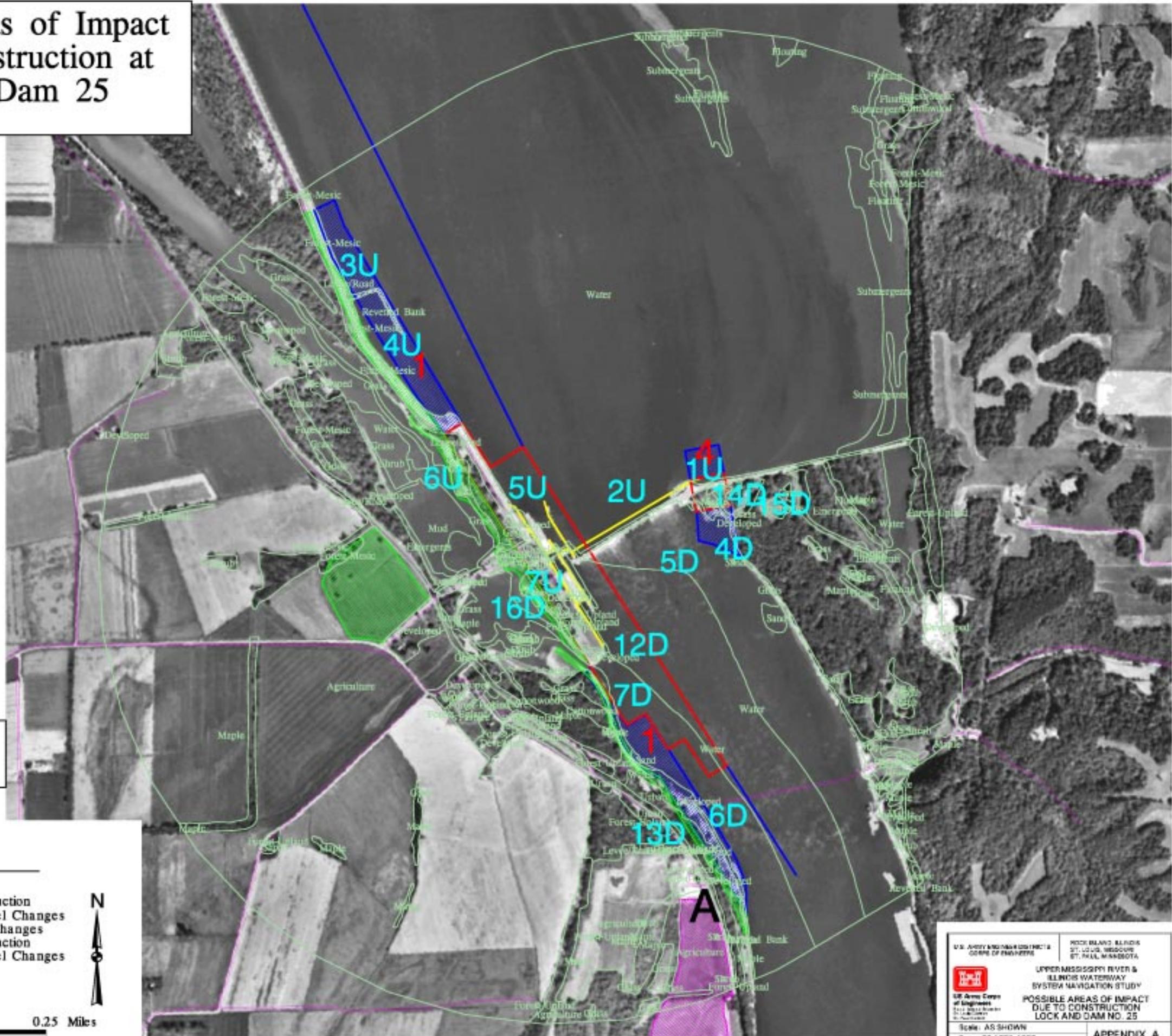
- Legend**
- SD Sample Sites
 - Areas Affected by Lock Changes
 - Areas Affected by Construction
 - Areas Affected by Channel Changes
 - Areas Affected by Lock Changes
 - Areas Affected by Construction
 - Areas Affected by Channel Changes
 - Placement Sites
 - Roads
 - Lock & Dam 24



0.25 0 0.25 Miles

U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY	
POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION LOCK AND DAM NO. 24	
Scale: AS SHOWN	Date: 30 APRIL 1988
APPENDIX A	

Possible Areas of Impact Due to Construction at Lock & Dam 25



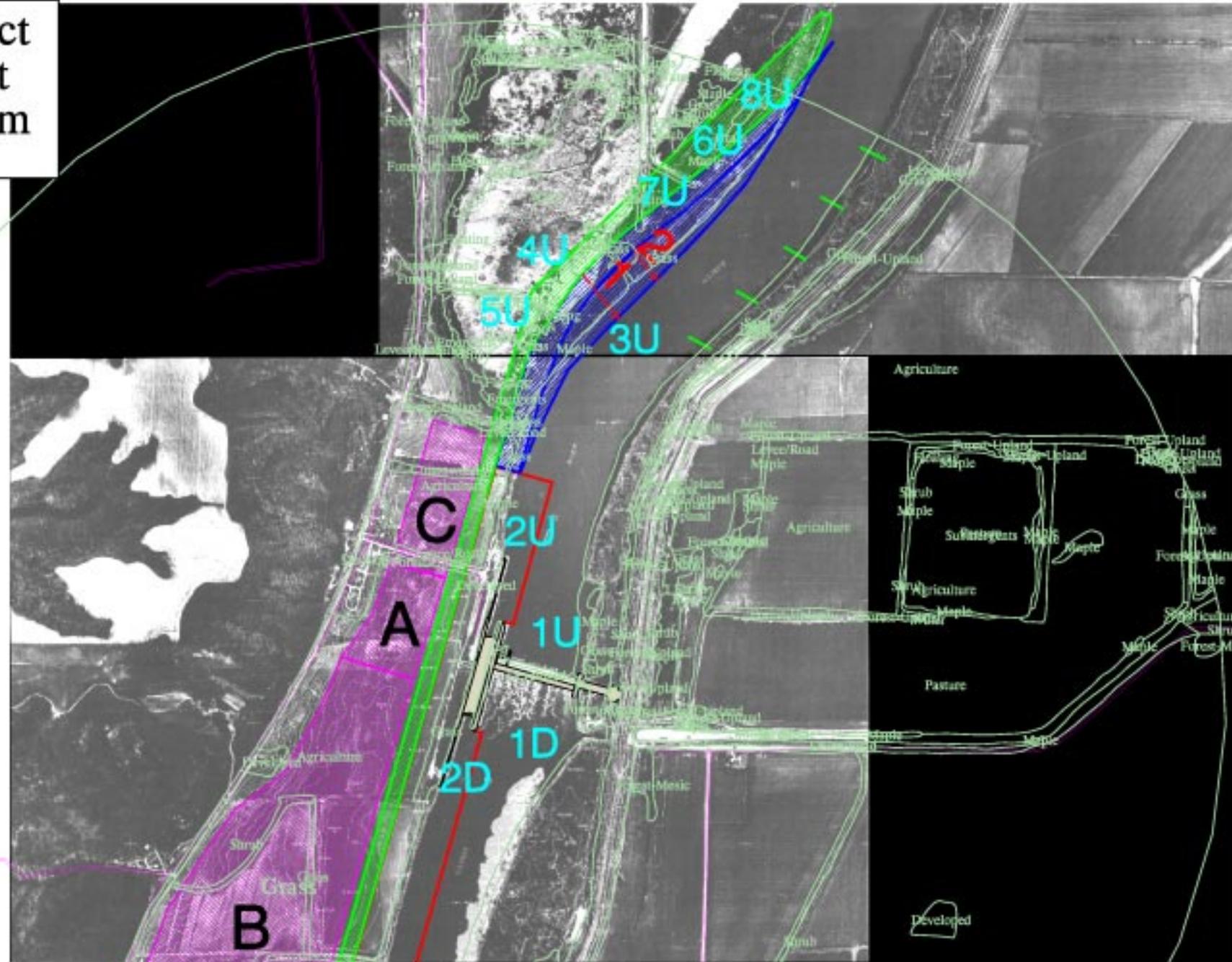
Placement Site Key
 Location 1 - Placement Site A
 Location 4 - Placement Site A

Legend

- SD Sample Sites
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Placement Site
- Roads
- Lock & Dam 25

0.25 0 0.25 Miles

Possible Areas of Impact Due to Construction at La Grange Lock & Dam



Placement Site Key
 Location 1 = Placement Sites ABC
 Location 2 = Placement Site A

Legend

- 2D Sample Sites
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Roads
- Placement Sites
- La Grange Lock & Dam

0.25 0 0.25 Miles

U.S. ARMY ENGINEER DISTRICTS
 CORPS OF ENGINEERS

ROCK ISLAND, ILLINOIS
 ST. LOUIS, MISSOURI
 ST. PAUL, MINNESOTA

US Army Corps of Engineers
 Rock Island District
 St. Louis District
 St. Paul District

UPPER MISSISSIPPI RIVER &
 ILLINOIS WATERWAY
 SYSTEM NAVIGATION STUDY

**POSSIBLE AREAS OF IMPACT
 DUE TO CONSTRUCTION
 LAGRANGE LOCK AND DAM**

Scale: AS SHOWN
 Date: 30 APRIL 1988

APPENDIX A

Possible Areas of Impact Due to Construction at Peoria Lock & Dam

Placement Site Key
 Location 1 = Placement Site AB
 Location 2 = Placement Site A

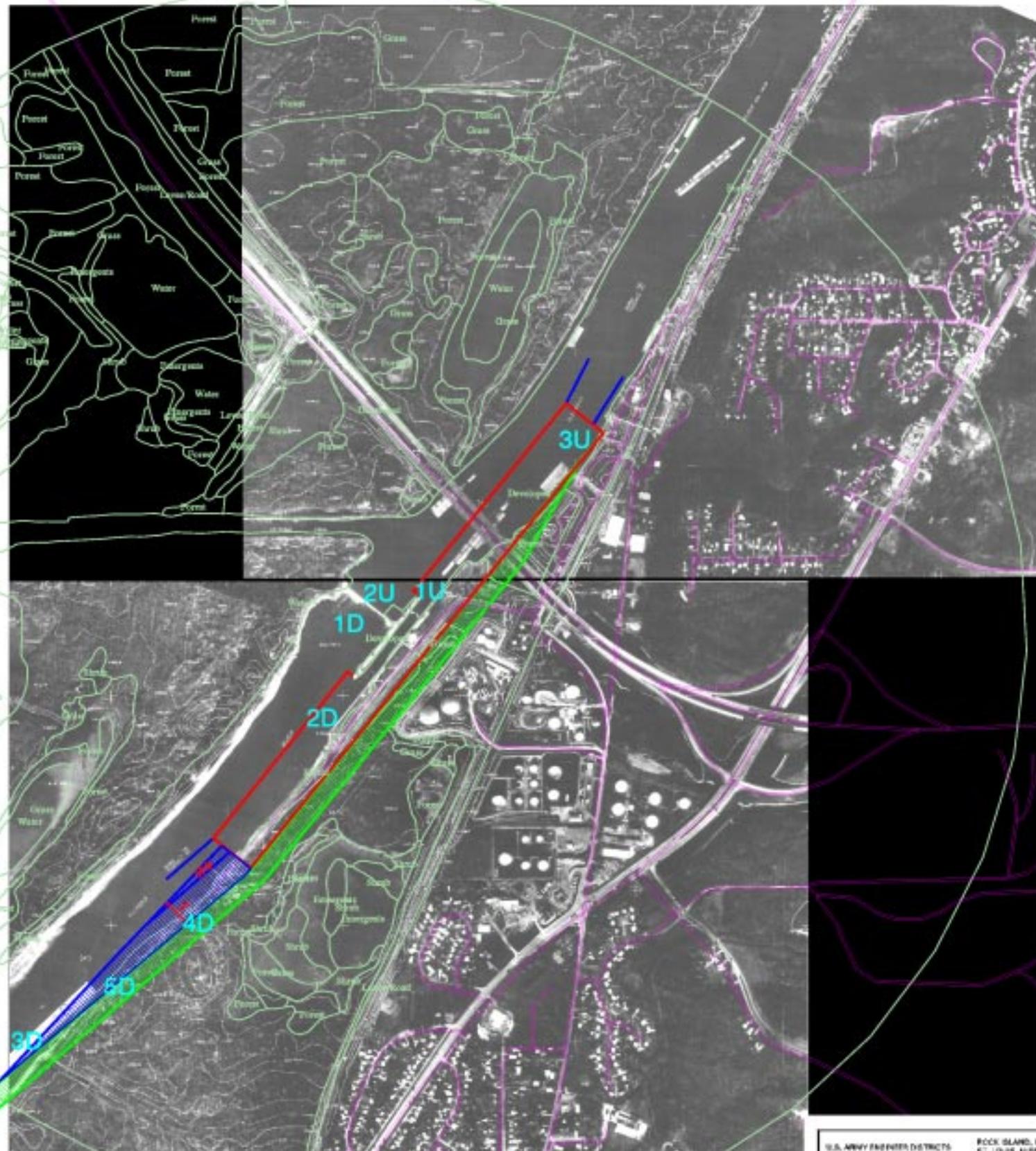
Legend

- Sample Sites
- Placement Sites
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Areas Affected by Lock Changes
- Areas Affected by Construction
- Areas Affected by Channel Changes
- Roads

0.25 0 0.25 Miles



Placement Sites A and B
 approximately 1/2 mile south
 of the study area



U.S. ARMY ENGINEER DISTRICTS CORPS OF ENGINEERS	ROCK ISLAND, ILLINOIS ST. LOUIS, MISSOURI ST. PAUL, MINNESOTA
	UPPER MISSISSIPPI RIVER & ILLINOIS WATERWAY SYSTEM NAVIGATION STUDY
U.S. Army Corps of Engineers 600 Rte. 100 St. Louis, MO 63102 314/425-3000	POSSIBLE AREAS OF IMPACT DUE TO CONSTRUCTION PEORIA LOCK AND DAM
Scale: AS SHOWN Date: 30 APRIL 1999	APPENDIX A