

Final

Supplemental Environmental Assessment

**Appendix J: Additional Maps and
Information**

**Arkansas River Navigation Study
Arkansas and Oklahoma**

September 2024

Prepared By:

Regional Planning and Environmental Center
Environmental Branch
U.S. Army Corps of Engineers
Little Rock and Tulsa Districts

TABLE NO. 1
Navigation System Information

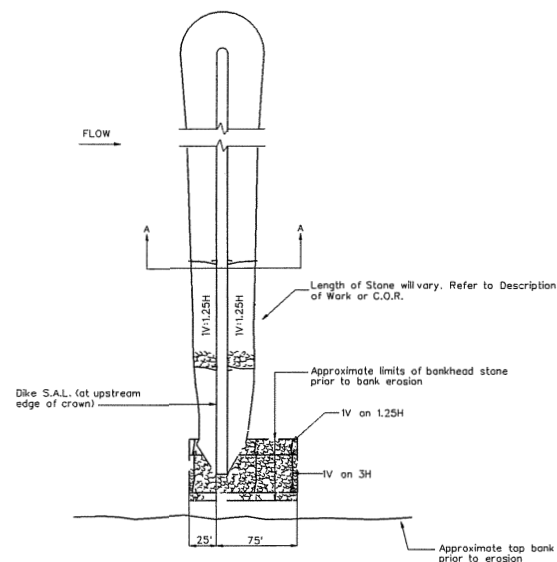
LOCK AND DAM NAME	NAVIGATION MILE	UPPER POOL ELEVATION
Norrell, (No. 1)	10.3	142
Wilbur Mills, (No. 2)	13.3	162
Joe Hardin, (No. 3)	50.2	182
Emmett Sanders, (No. 4)	66.0	196
No. 5	86.3	213
David D. Terry, (No. 6)	108.1	231
Murray, (No. 7)	125.4	249
Toad Suck Ferry, (No. 8)	155.9	265
Arthur V. Ormond, (No. 9)	176.9	284
Dardanelle	205.5	336 - 338
Ozark-Jeta Taylor	256.8	370 - 372
James W. Trimble, (No. 13)	292.8	391

*Use 337.0 water surface for construction
**Use 372.0 water surface for construction

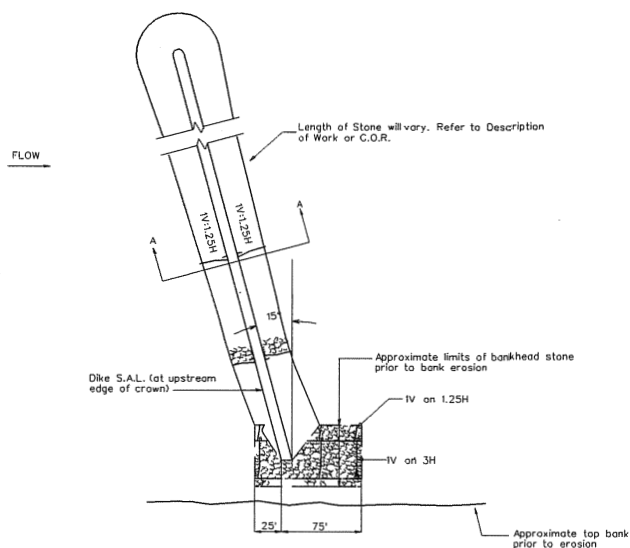
TABLE NO. 2
Bankhead/Trench-Fill Revetment
Crown Width Criteria

MAXIMUM WATER DEPTH BELOW POOL	BANKHEAD/TRENCH-FILL REVETMENT CROWN WIDTH
8.00' or shallower	5'
10.25'	6'
12.50'	7'
14.75'	8'
17.00'	9'
19.25'	10'
21.50'	11'
23.75'	12'
26.00'	13'
28.25'	14'
30.50'	15'
32.75'	16'
35.00'	17'
37.25'	18'
39.50'	19'
41.75' or deeper	20'

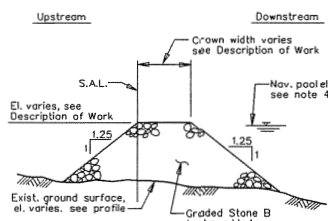
- NOTES:
- The crown widths shown for the typical sections shall be used unless a different crown width is specified by the Description of Work or by the C.O.R.
 - The S.A.L. for Type 4 Trench Fill Revetment will be specified by the Description of Work or by the C.O.R.
 - For single pile revetments and dikes, the S.A.L. is located on the channelward or upstream surface of piles. For multi-clump revetments and dikes, the S.A.L. is located along the center of the channelward or upstream row of clumps.
 - See Table No. 1 for navigation pool elevations.
 - The Description of Work included in the Task Order may change shown dimensions and will define the scope of work.



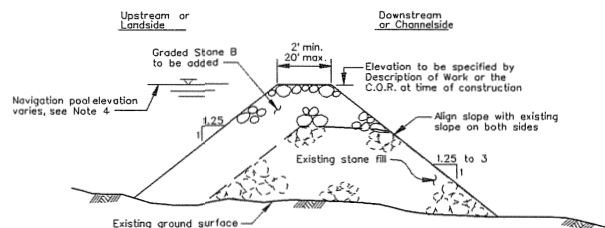
TYPE 3
TYPICAL DIKE WITH BANKHEAD



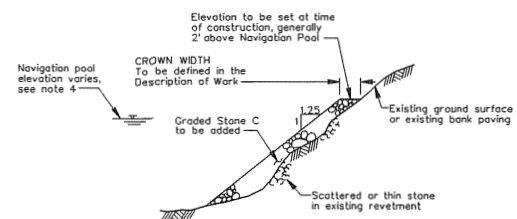
TYPE 6
TYPICAL BENDWAY WIER WITH BANKHEAD



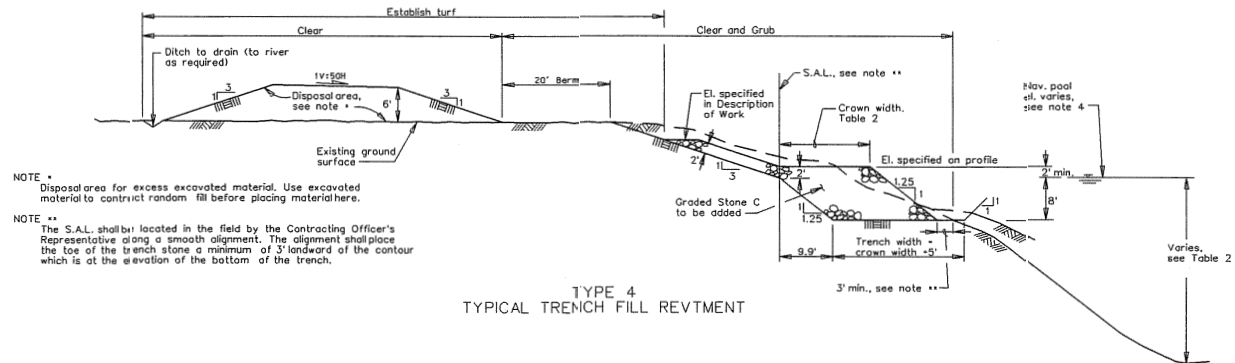
SECTION A-A



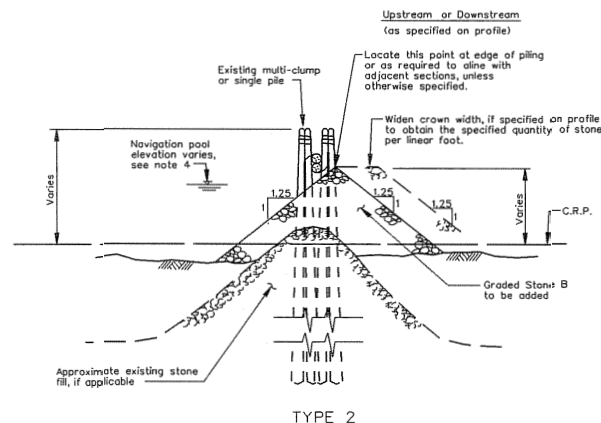
TYPE 1
TYPICAL FOR RAISING TOP ELEVATION OF DIKES



TYPE 5
TYPICAL BANKHEAD



TYPE 4
TYPICAL TRENCH FILL REVETMENT



TYPE 2

- NOTE *
- Disposal area for excess excavated material. Use excavated material to construct random fill before placing material here.
- NOTE **
- The S.A.L. shall be located in the field by the Contracting Officer's Representative along a smooth alignment. The alignment shall place the toe of the trench stone a minimum of 3' landward of the contour which is at the elevation of the bottom of the trench.

Date	Apr
Description	
Symbol	

Date	JUNE 2004
Designed by	GPK
Drawn by	GPK
Reviewed by	HHH
Submitted by	
U.S. ARMY ENGINEER DISTRICT	
CORPS OF ENGINEERS	
LITTLE ROCK, ARKANSAS	
Submitted by:	Chief, Hydraulic and Hydrology Section

McCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM
PHASE II
STANDARD DETAILS
TYPICAL SECTIONS OF IMPROVEMENTS

Drawing Code/Serial No.
10700-115/5417

Drawing Ref. Number
1

MKARNS Project Area

Terrestrial Habitat Types

Habitat Types

Class

Open Water
Developed Open Space
Developed Low Intensity
Developed Medium Intensity
Developed High Intensity
Barren Land
Deciduous Forest
Evergreen Forest
Mixed Forest
Shrub
Grassland
Pasture
Cultivated Crops
Woody Wetlands
Emergent Herbaceous Wetlands

Data From: National Land Cover
Database 2021

Class	Acres
Open Water	151004.27
Developed Open Space	32455.49
Developed Low Intensity	34832.42
Developed Medium Intensity	22207.30
Developed High Intensity	11231.66
Barren Land	4733.32
Deciduous Forest	135457.90
Evergreen Forest	48964.78
Mixed Forest	28945.10
Shrub	10100.63
Grassland	17573.61
Pasture	192333.93
Cultivated Crops	248625.44
Woody Wetlands	125938.03
Emergent Herbaceous Wetlands	25163.22

0 30 60
Miles


















MKARNS Project Area

Terrestrial Habitat Types

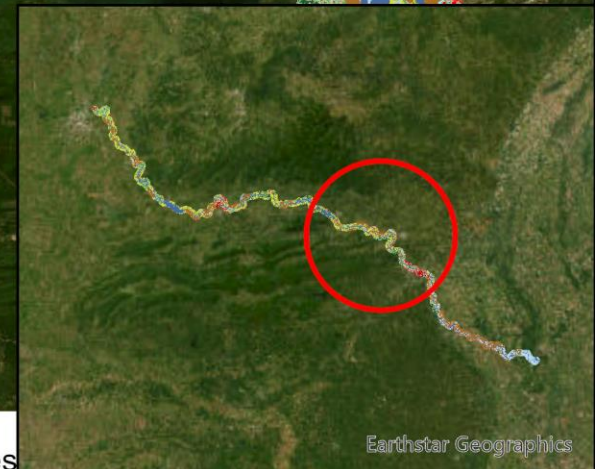
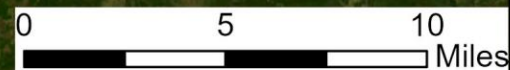
Habitat Types

Class

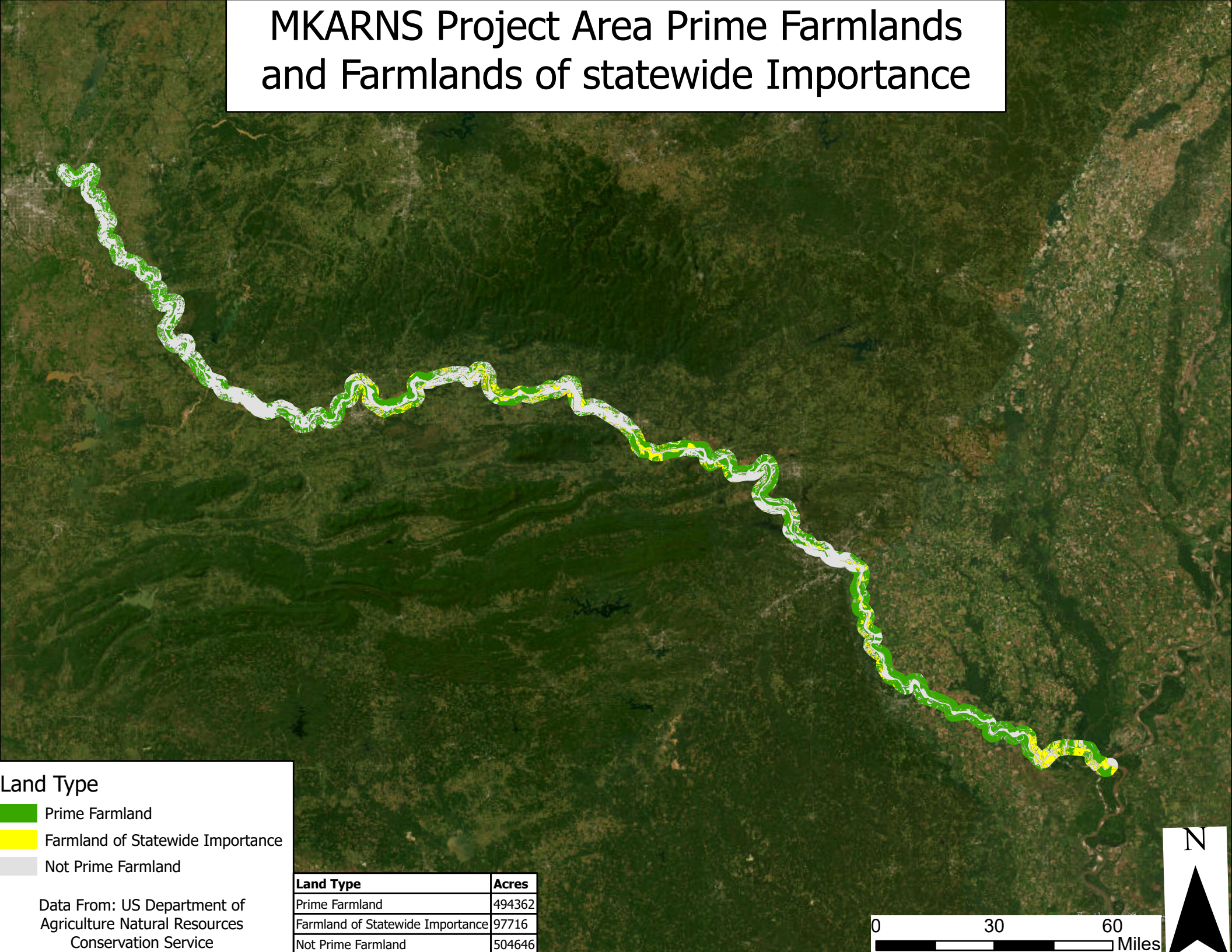
	Open Water
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	Developed Medium Intensity
	Developed High Intensity
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Woody Wetlands	125938.03
Emergent Herbaceous Wetlands	25163.22



MKARNS Project Area Prime Farmlands and Farmlands of statewide Importance



Land Type

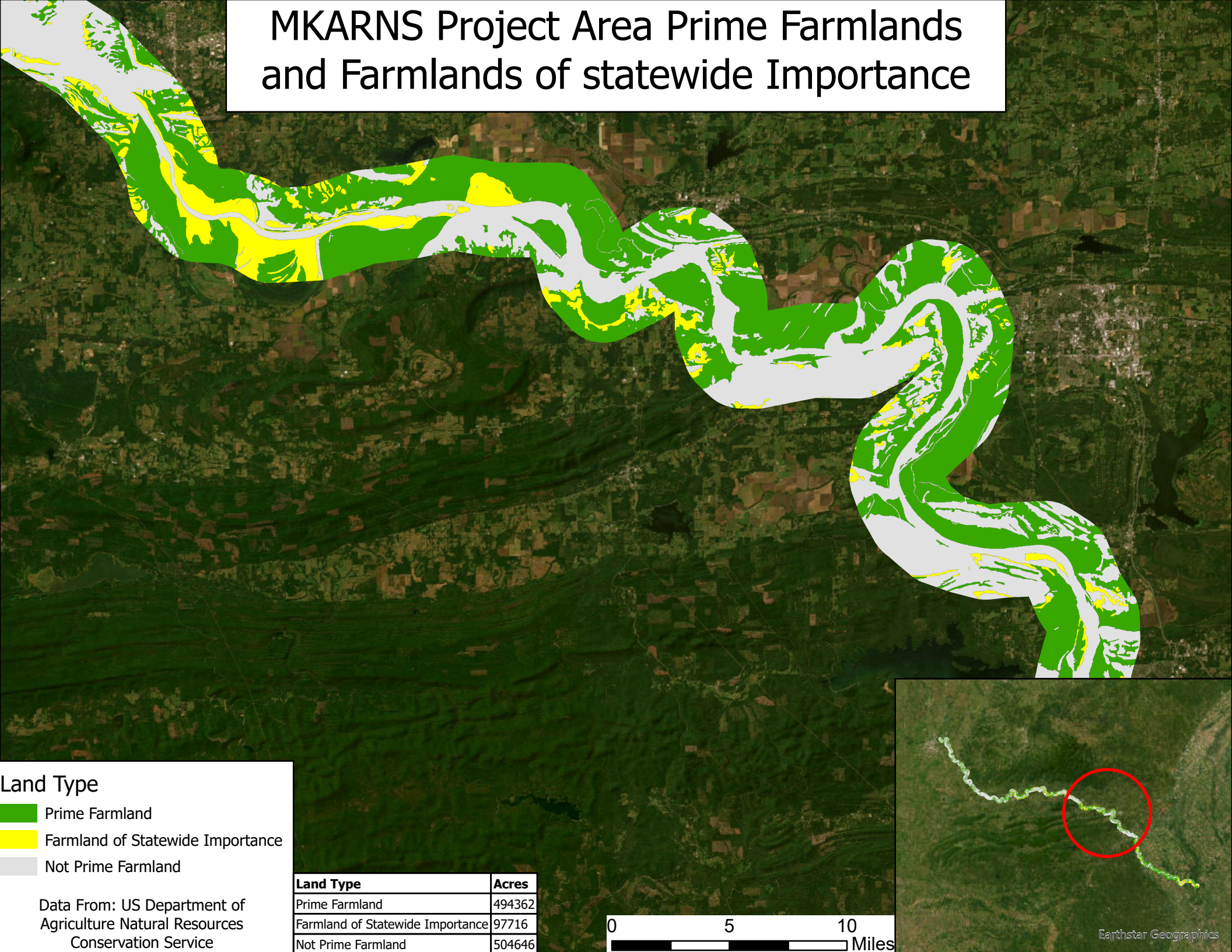
- Prime Farmland
- Farmland of Statewide Importance
- Not Prime Farmland

Data From: US Department of
Agriculture Natural Resources
Conservation Service

Land Type	Acres
Prime Farmland	494362
Farmland of Statewide Importance	97716
Not Prime Farmland	504646



MKARNS Project Area Prime Farmlands and Farmlands of statewide Importance



Land Type

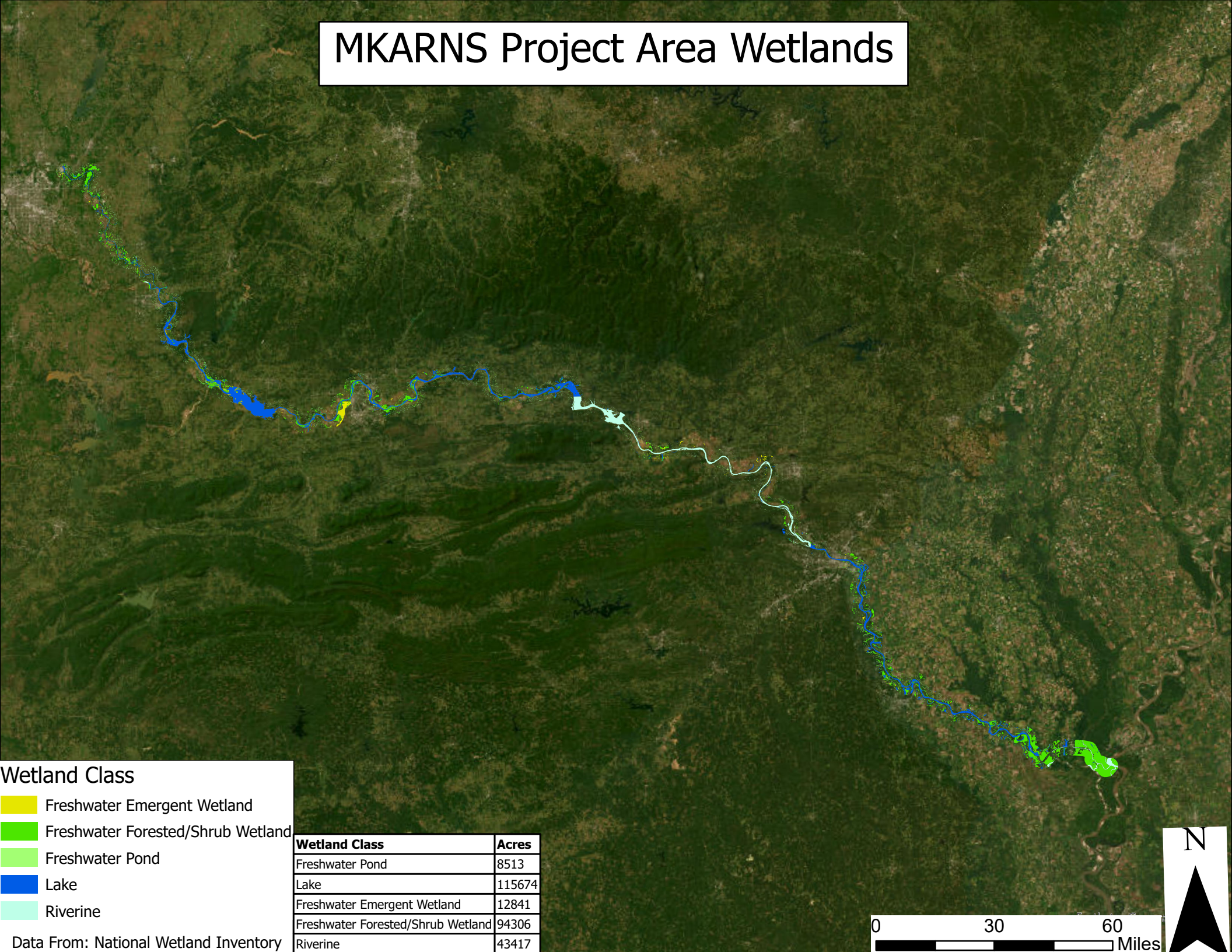
- Prime Farmland
- Farmland of Statewide Importance
- Not Prime Farmland

Data From: US Department of
Agriculture Natural Resources
Conservation Service

Land Type	Acres
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Not Prime Farmland	504646

0 5 10
Miles

MKARNS Project Area Wetlands



Wetland Class

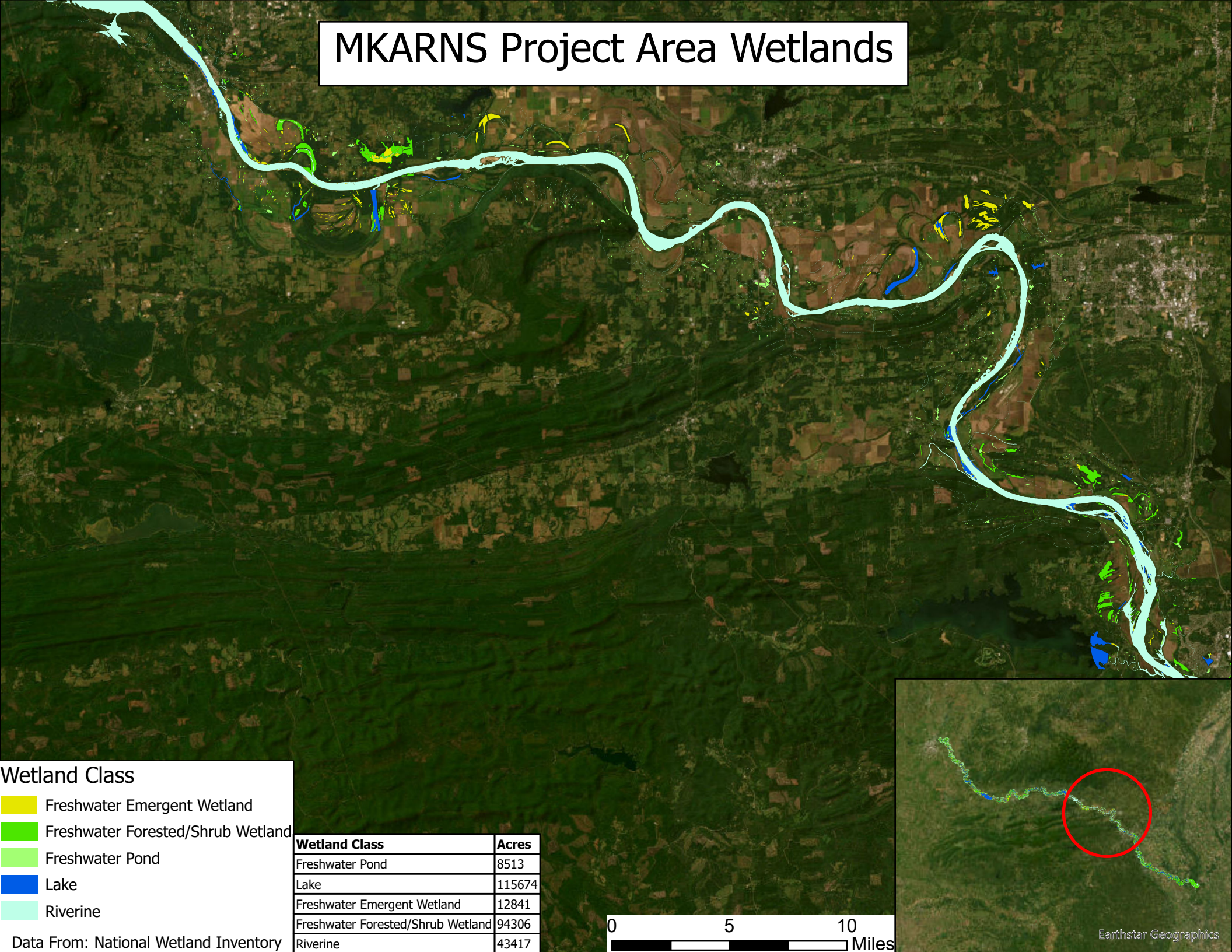
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

Wetland Class	Acres
Freshwater Pond	8513
Lake	115674
Freshwater Emergent Wetland	12841
Freshwater Forested/Shrub Wetland	94306
Riverine	43417

Data From: National Wetland Inventory



MKARNS Project Area Wetlands



Wetland Class

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

Wetland Class	Acres
Freshwater Pond	8513
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