APPENDIX C
SUPPORT MAPS

Table of Contents

Appendix C Figure 1a Project Location C-1
Appendix C Figure 1b Subwatersheds and Features C-2
Appendix C Figure 1c Project Area C-3
Appendix C Figure 2a Topo Watershed Area C-4
Appendix C Figure 2b Topo Project Area C-5
Appendix C Figure 3a Geology Watershed Area C-6
Appendix C Figure 3b Geology Project Area C-7
Appendix C Figure 4a Land Use Watershed Area C-8
Appendix C Figure 4b Land Use Project Area C-9
Appendix C Figure 5a Soils Watershed Area C-10
Appendix C Figure 5b Soils Project Area C-11
Appendix C Figure 6a Prime Farmland Watershed Area C-12
Appendix C Figure 6b Prime Farmland Project Area C-13
Appendix C Figure 7a Floodplain Watershed Area C-14
Appendix C Figure 7b Floodplain Project Area C-15
Appendix C Figure 8a WOTUS Watershed Area C-16
Appendix C Figure 8b WOTUS Project Area C-17
Appendix C Figure 9a NWI Watershed Area C-18
Appendix C Figure 9b NWI Project Area C-19
Appendix C Figure 10 303d Watershed Area C-20
Appendix C Figure 11 Milkweed and Monarch Presence Project Area C-21
Appendix C Figure 12 Land Rights C-22
Appendix C Figure 13 Conceptual Engineering Plans C-23
Appendix C Figure 14 100 Year Floodplain Comparison Series C-32

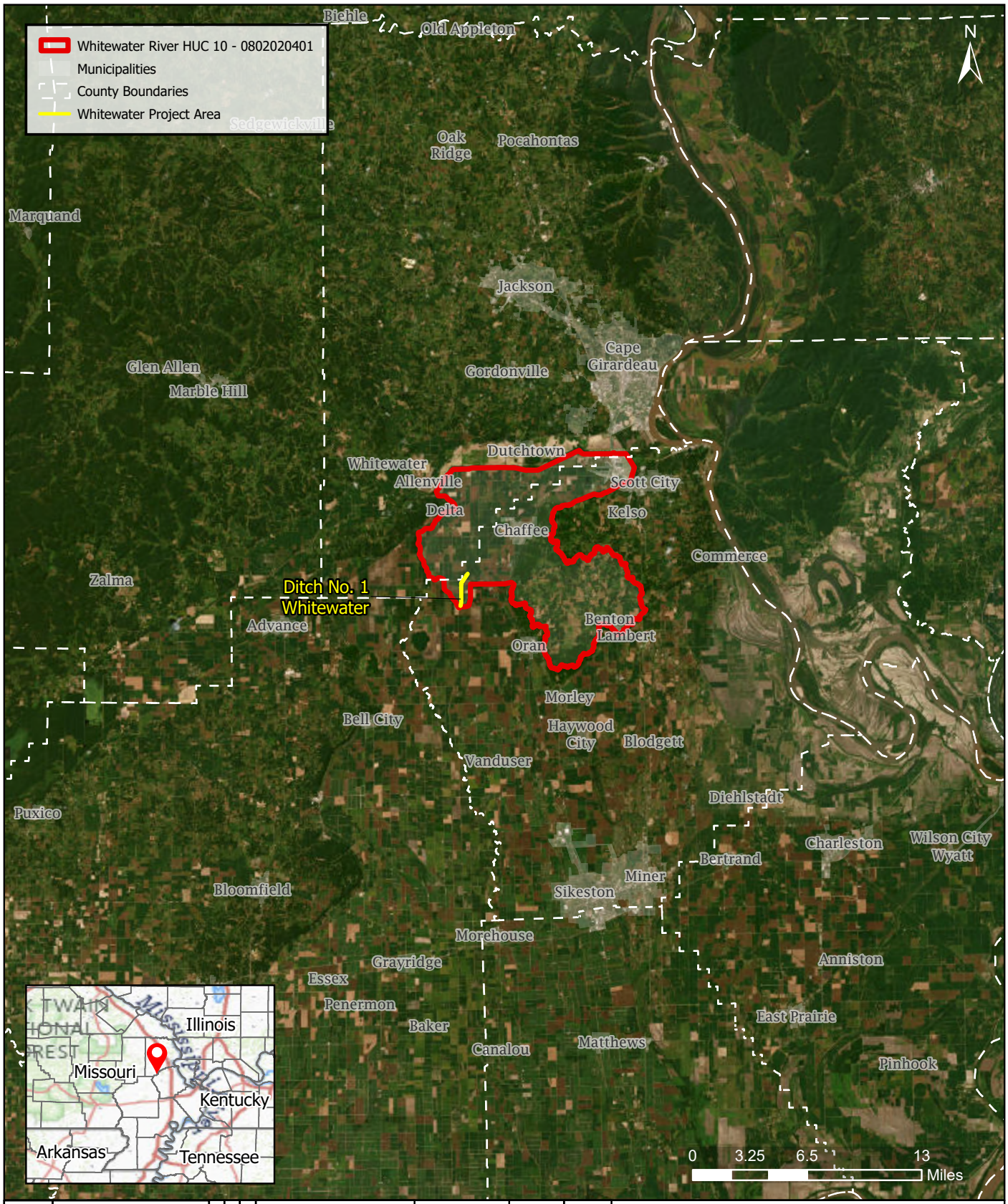


Figure 1

SHEET NAME	2 By/Date	1 By/Date	Revision	PE PROJECT NAME
PROJECT LOCATION				WHITEWATER WATERSHED

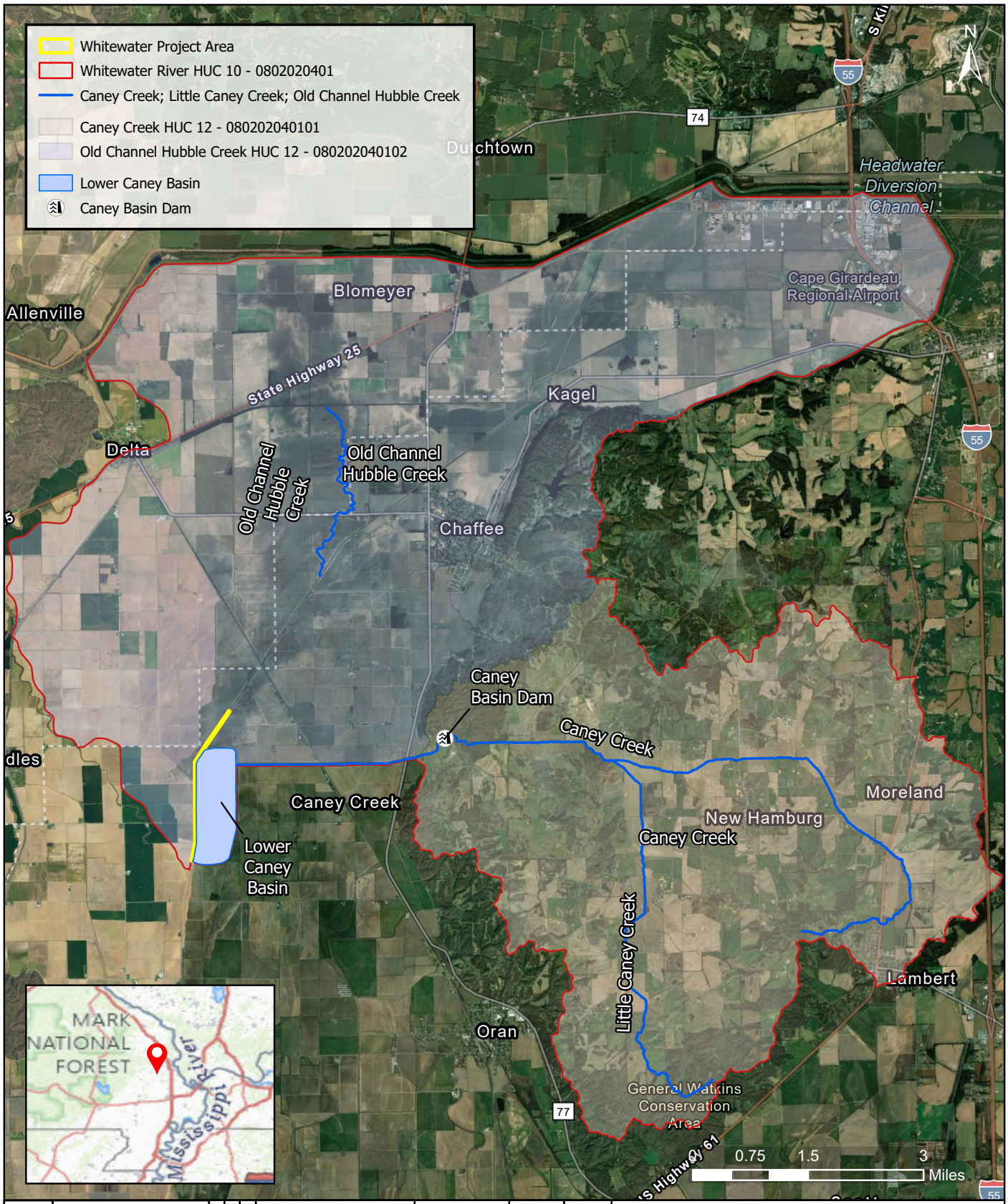
Date: 11/8/2024
Exp. Date: xx/xx/20xx

PE Project No.	515.1700.06
Drawing Date	11/8/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

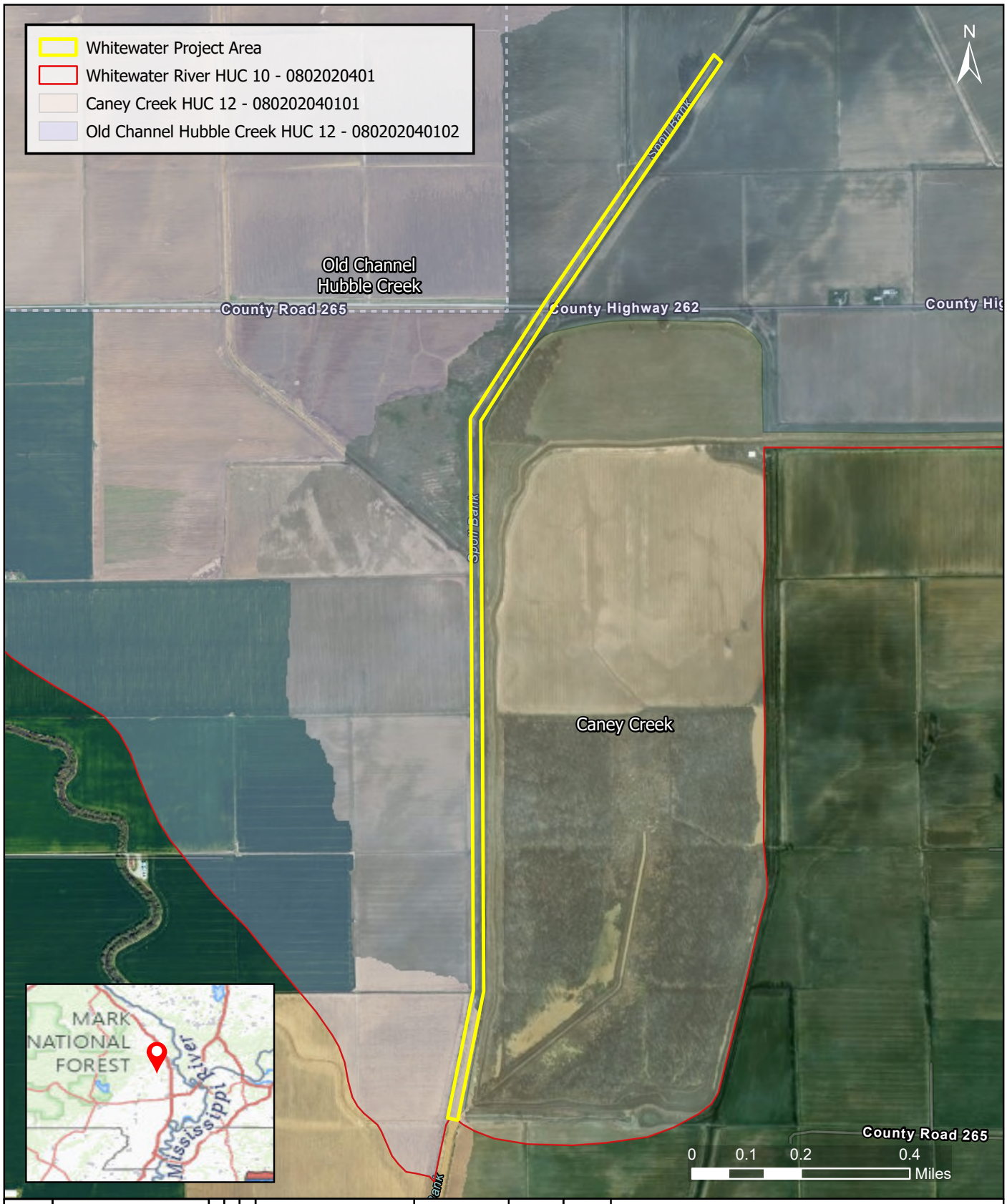
Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

Earthstar Geographics, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information



of 13 sheets	SHEET NAME PROJECT AREA	2 By/Date	1 By/Date	Revision	PE PROJECT NAME WHITEWATER WATERSHED	Date: 12/1/2025 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
							Drawing Date	12/1/2025
							Designed By	AR
							Drawn By	AR
							Approved By	XXX

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965



of 13 sheets	SHEET NAME PROJECT AREA	2 By/Date	1 By/Date	Revision	PE PROJECT NAME WHITEWATER WATERSHED	Date: 12/1/2025 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
							Drawing Date	12/1/2025
							Designed By	KEC
							Drawn By	KEC
							Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

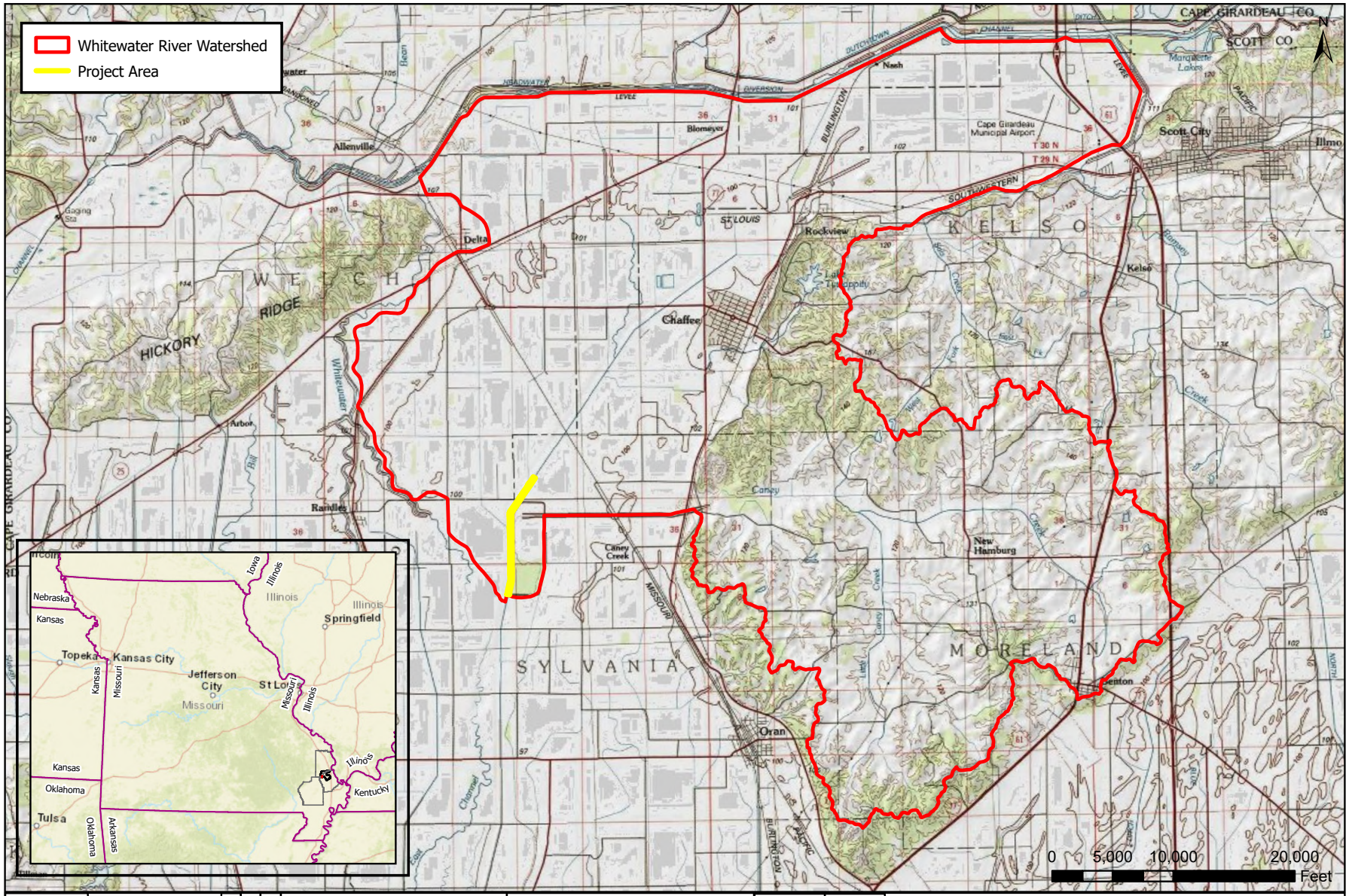


Figure 2a of 12 figures	SHEET NAME: Topography Map	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/7/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700 Drawing Date 11/17/2024 Designed By AR Drawn By AR Approved By XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

Copyright:© 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, NGA, USGS, NPS

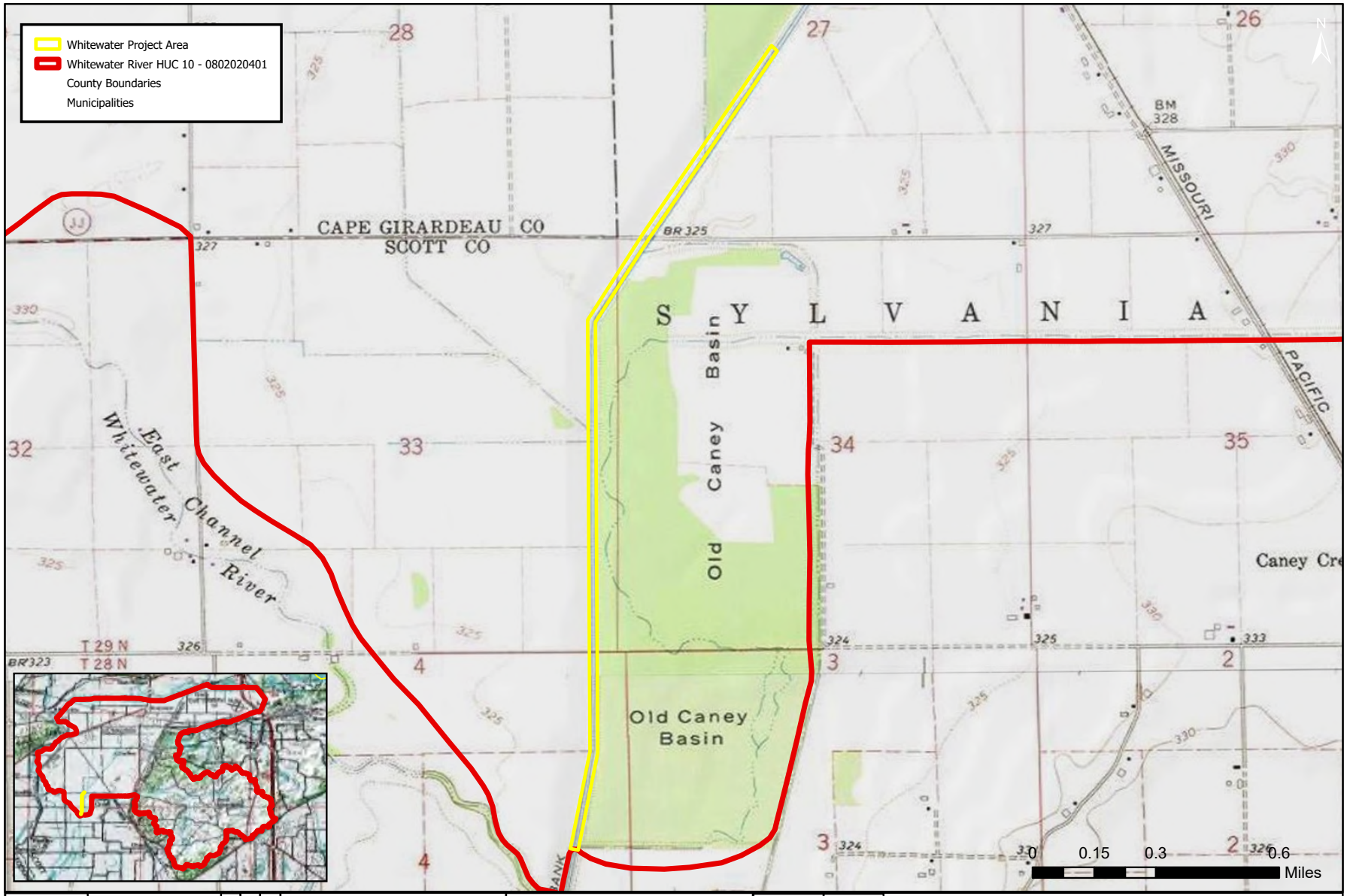


Figure 2b of 12 Figures	SHEET NAME: Topography Map	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/19/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700
							Drawing Date 11/19/2024
							Designed By MKL
							Drawn By MKL
							Approved By XXX

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

Copyright:© 2013 National Geographic Society, i-cubed

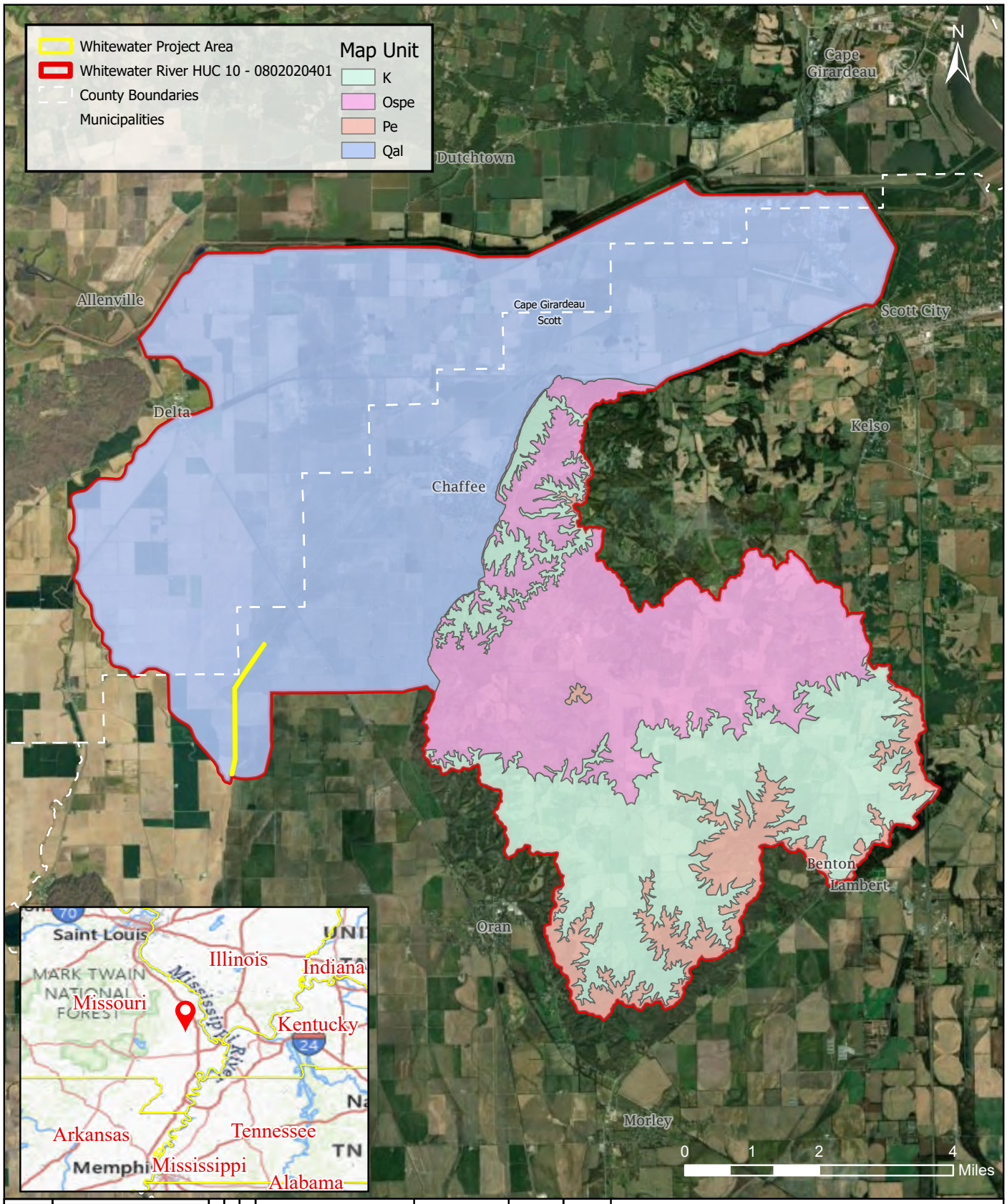


Figure 3a of 12 figures

SHEET NAME	2 By/Date	1 By/Date	Revision	PE PROJECT NAME	Date: 11/19/2024 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
BEDROCK GEOLOGY				WHITEWATER WATERSHED		Drawing Date	11/19/2024
						Designed By	MKL
						Drawn By	MKL
						Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

USGS The National Map: National

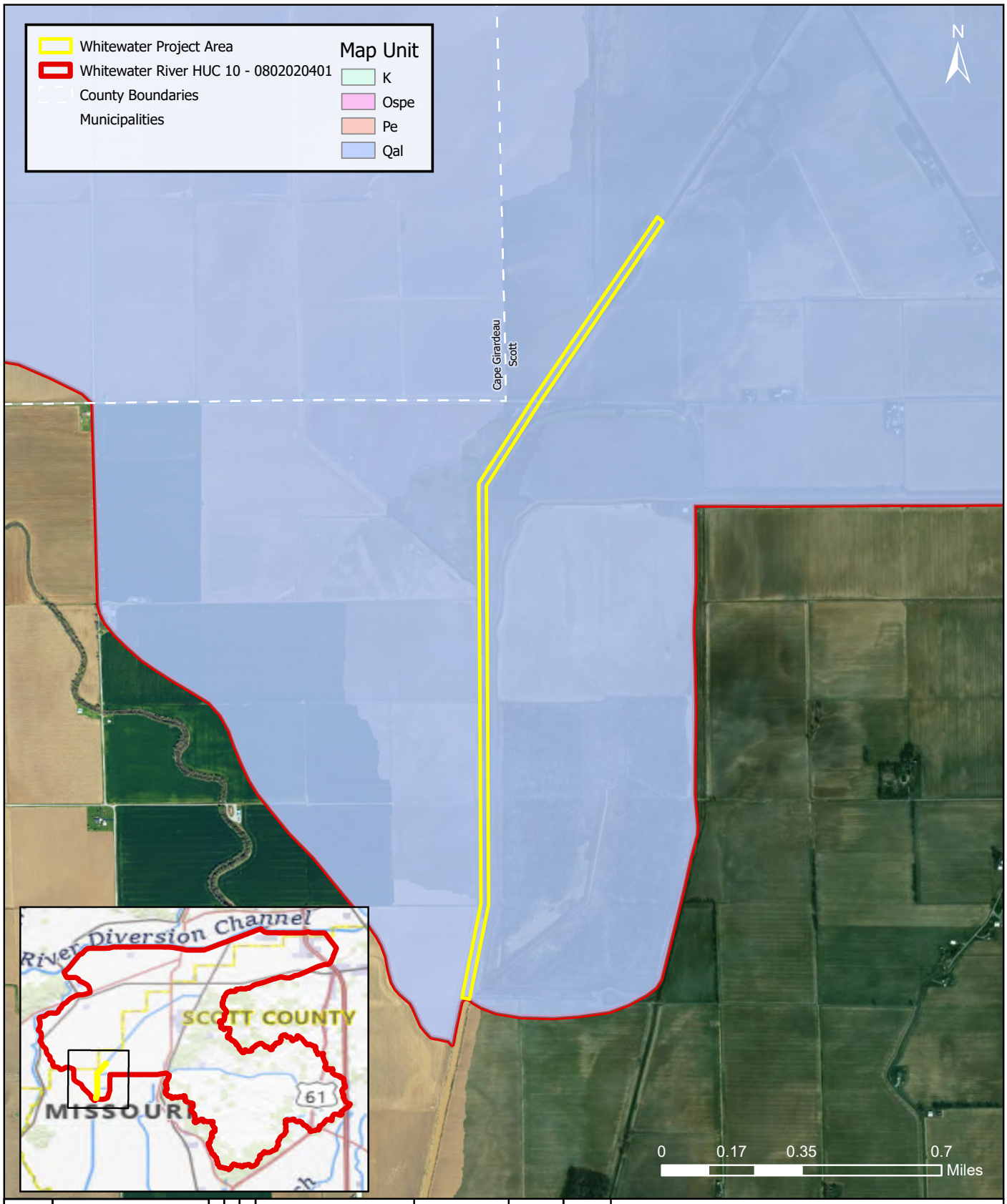


Figure 3b
of 12 figures

SHEET NAME
BEDROCK GEOLOGY

Revision	1 By/Date	2 By/Date

PE PROJECT NAME
WHITEWATER WATERSHED

Date: 11/19/2024
Exp. Date: xx/xx/20xx

PE Project No.	515.1700.06
Drawing Date	11/19/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar, USGS The

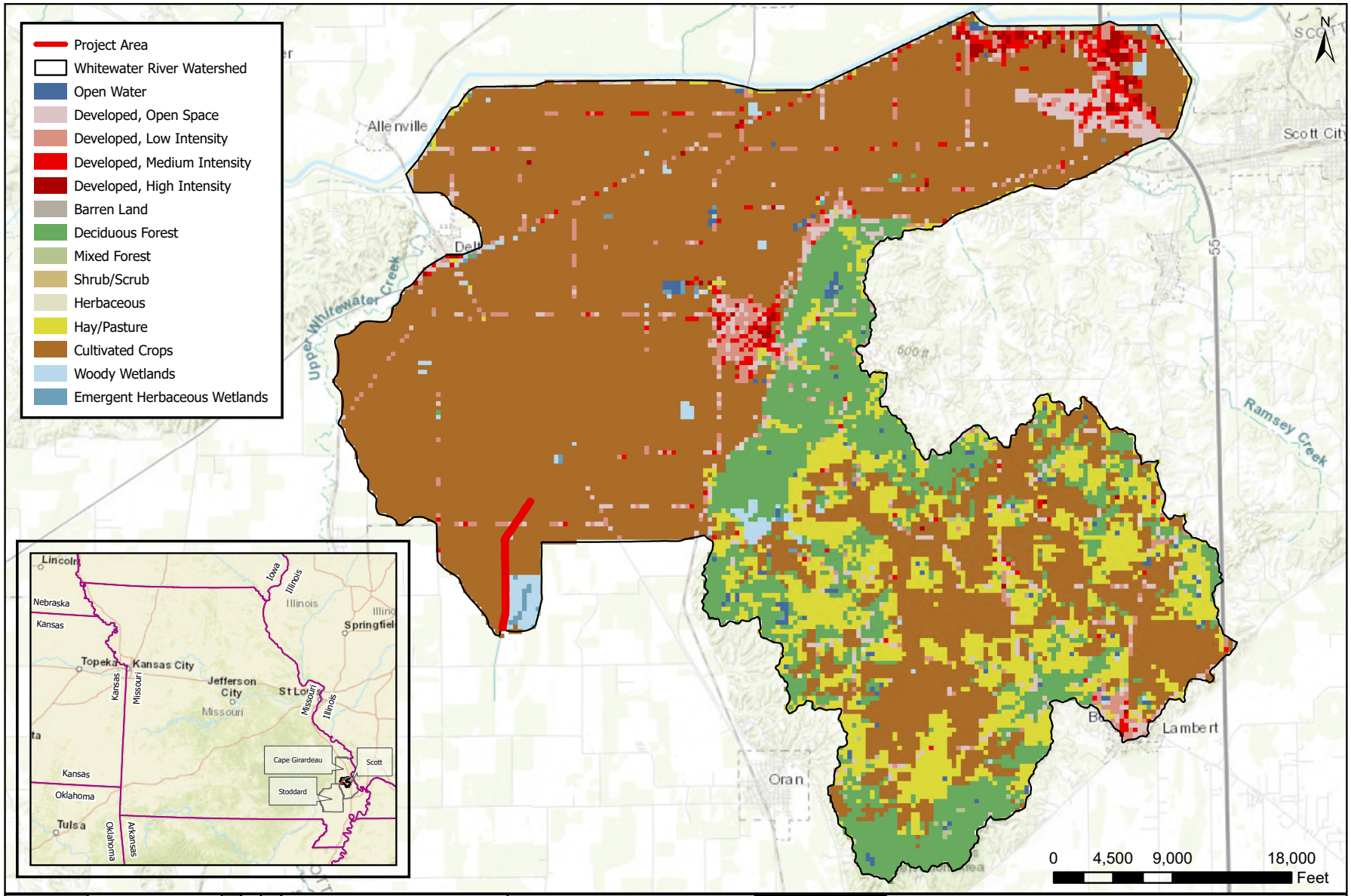


Figure 4a
of 12 figures

SHEET NAME
NLCD Watershed Map

Revision	1 By/Date	2 By/Date

PE PROJECT NAME
Whitewater River Watershed

Date: 11/7/2024
Exp. Date: 11/30/20xx

PE Project No.	515.1700
Drawing Date	11/17/2024
Designed By	AR
Drawn By	AR
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

County of Cape Girardeau, Scott County, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA, Esri, HERE, Garmin, NGA, USGS, NPS

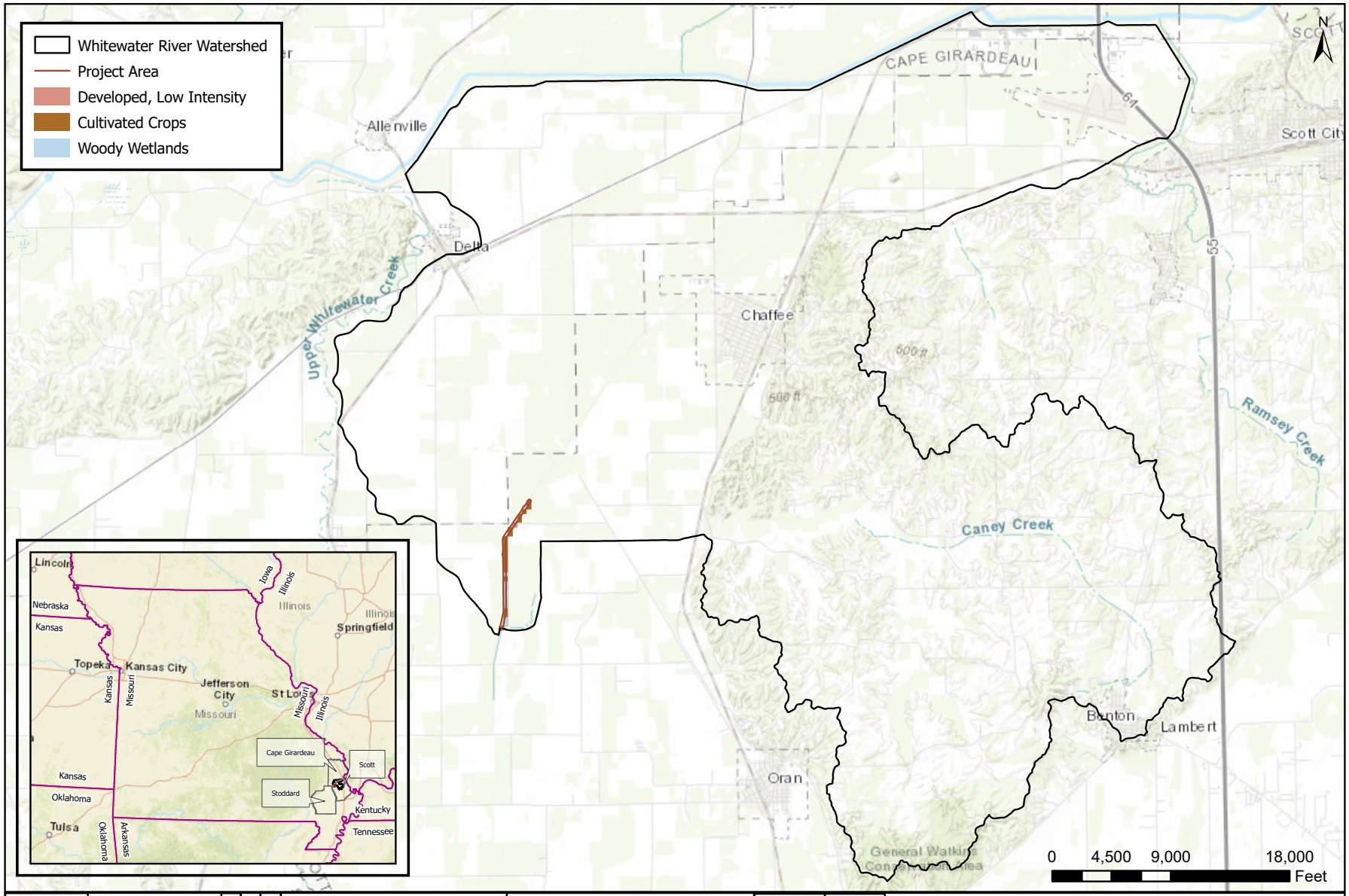


Figure 4b of 12 figures	SHEET NAME: NLCD Project Map	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/7/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700 Drawing Date 11/17/2024 Designed By AR Drawn By AR Approved By XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

County of Cape Girardeau, Scott County, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA, Esri, HERE, Garmin, NGA, USGS, NPS

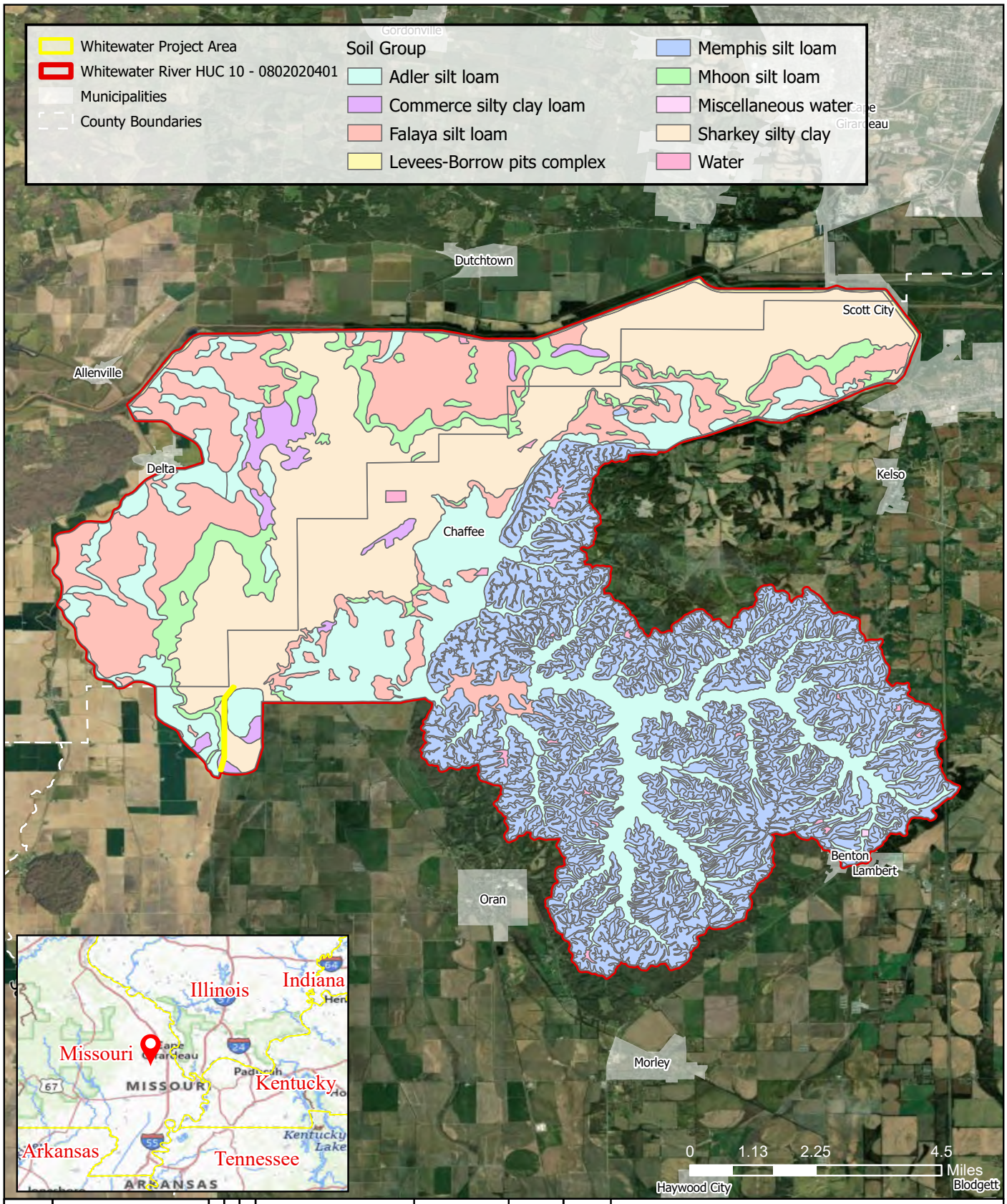


Figure 5a
of 12 figures

SHEET NAME	Revision			PE PROJECT NAME	Date: 11/19/2024 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
SOIL GROUPS	2 By/Date	1 By/Date		WHITEWATER WATERSHED		Drawing Date	11/19/2024
						Designed By	MKL
						Drawn By	MKL
						Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USPS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024., State of Missouri, Earthstar Geographics

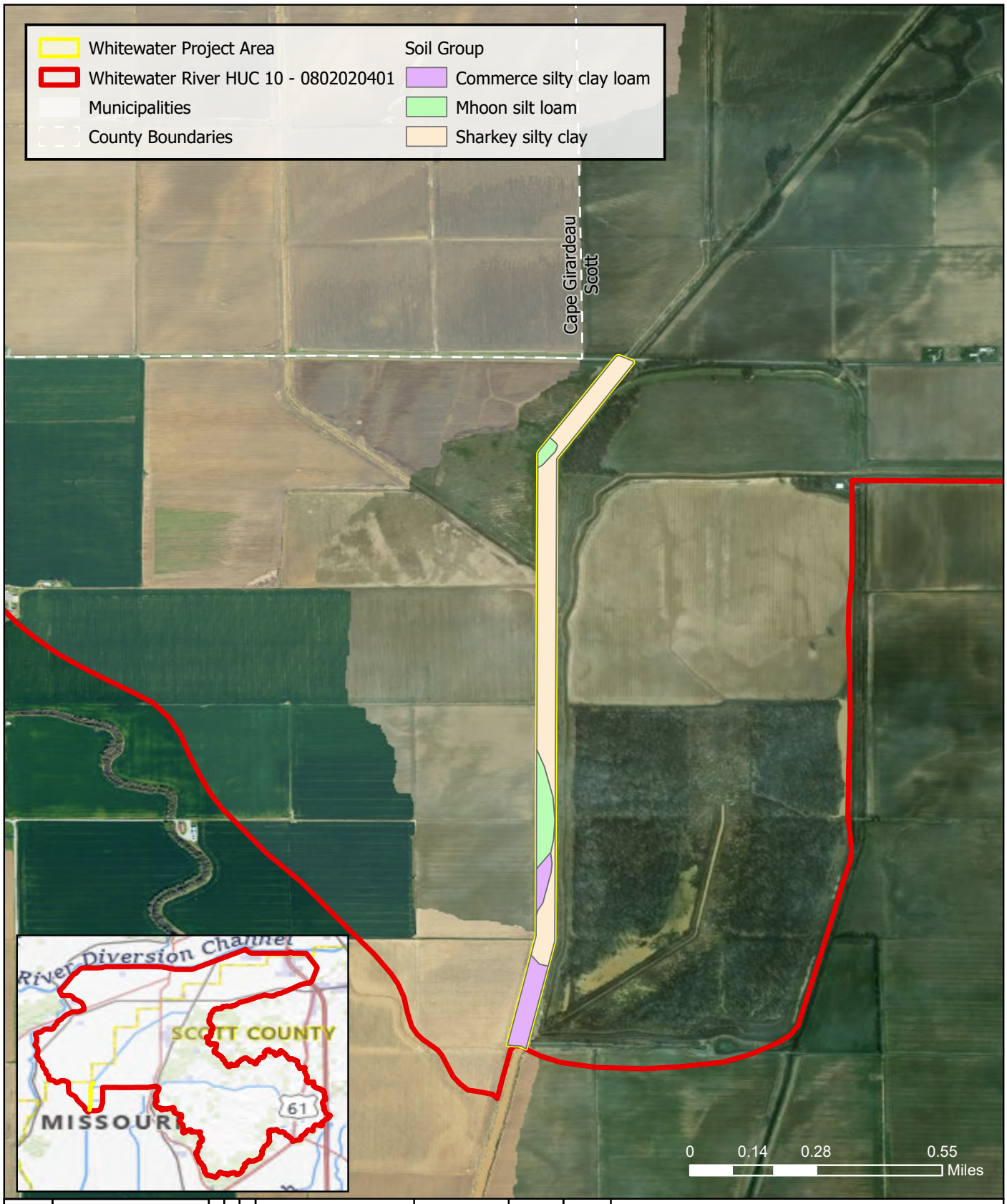


Figure 5b
of 12 figures

SHEET NAME	Revision			PE PROJECT NAME	Date: 11/19/2024 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
SOIL GROUPS	2 By/Date	1 By/Date		WHITEWATER WATERSHED		Drawing Date	11/19/2024
						Designed By	MKL
						Drawn By	MKL
						Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USPS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024.

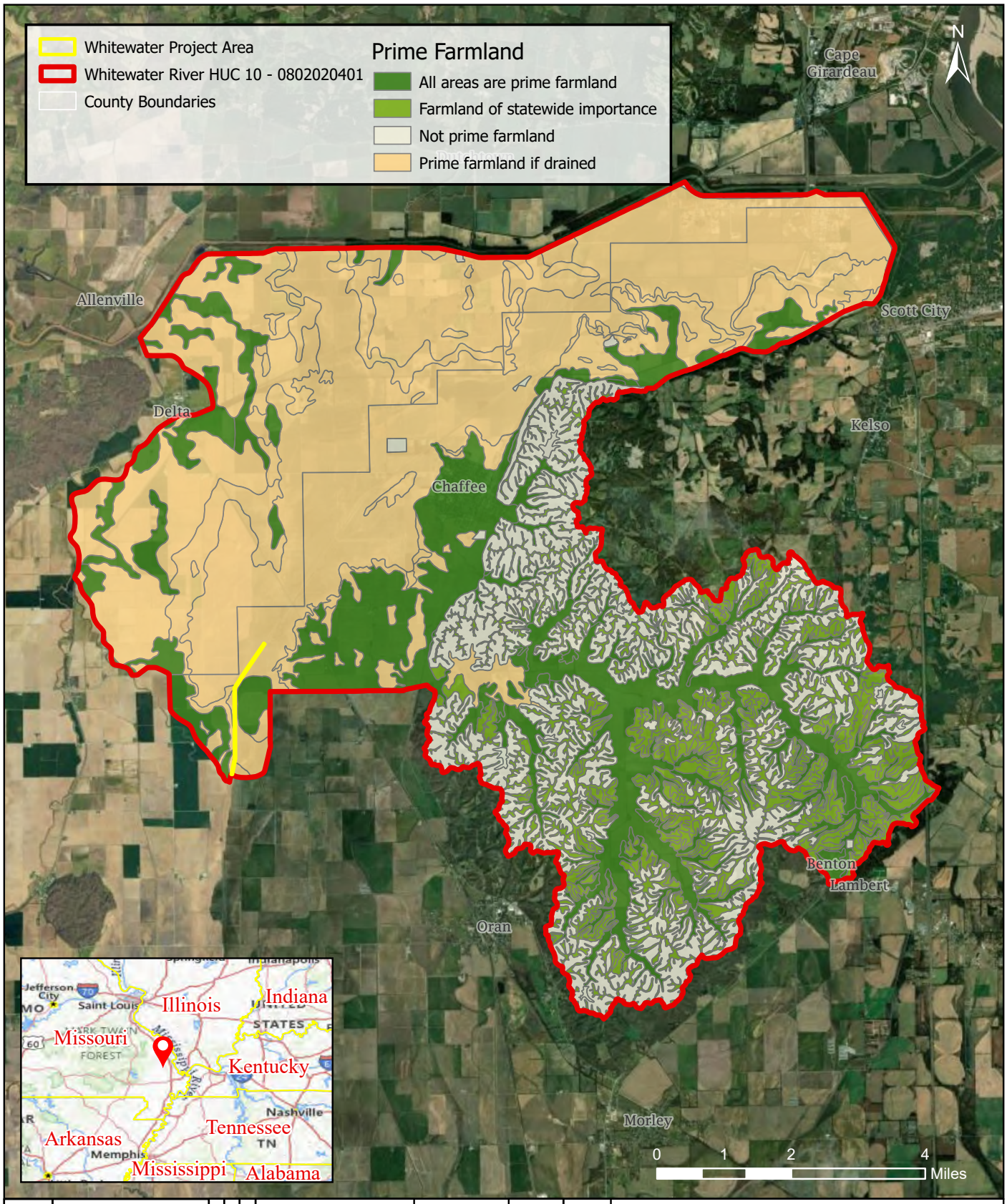


Figure 6a of 12 figures	SHEET NAME	2 By/Date	1 By/Date	Revision	PE PROJECT NAME	Date: 11/19/2024 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06	Prairie Engineers, P.C.
	PRIME FARMLAND				WHITEWATER WATERSHED		Drawing Date	11/19/2024	9025 IL Route 127 Hillsboro, IL 62049 (217) 532-9233
							Designed By	MKL	www.prairieengineers.com Professional Design Firm No. 184-005965
							Drawn By	MKL	
							Approved By	XXX	

Prairie Engineers · ENGINEERS · SURVEYORS · SCIENTISTS

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024, State of Missouri, Earthstar Geographics

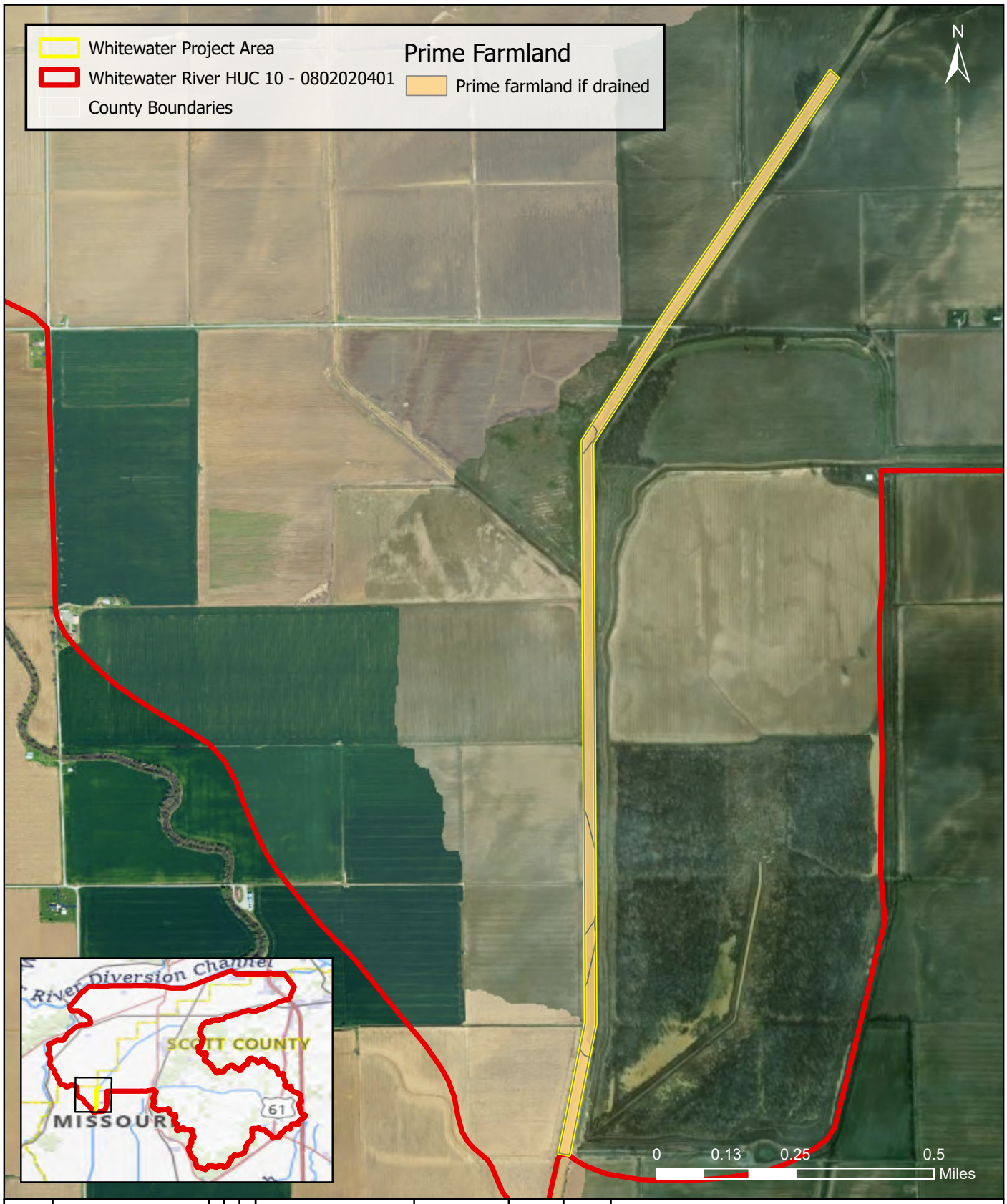


Figure 6b
of 12 figures

SHEET NAME	Revision	By/Date	PE PROJECT NAME	Date: 11/19/2024 Exp. Date: xx/xx/20xx	PE Project No.	515.1700.06
PRIME FARMLAND	2 By/Date	1 By/Date	WHITEWATER WATERSHED		Drawing Date	11/19/2024
					Designed By	MKL
					Drawn By	MKL
					Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024.

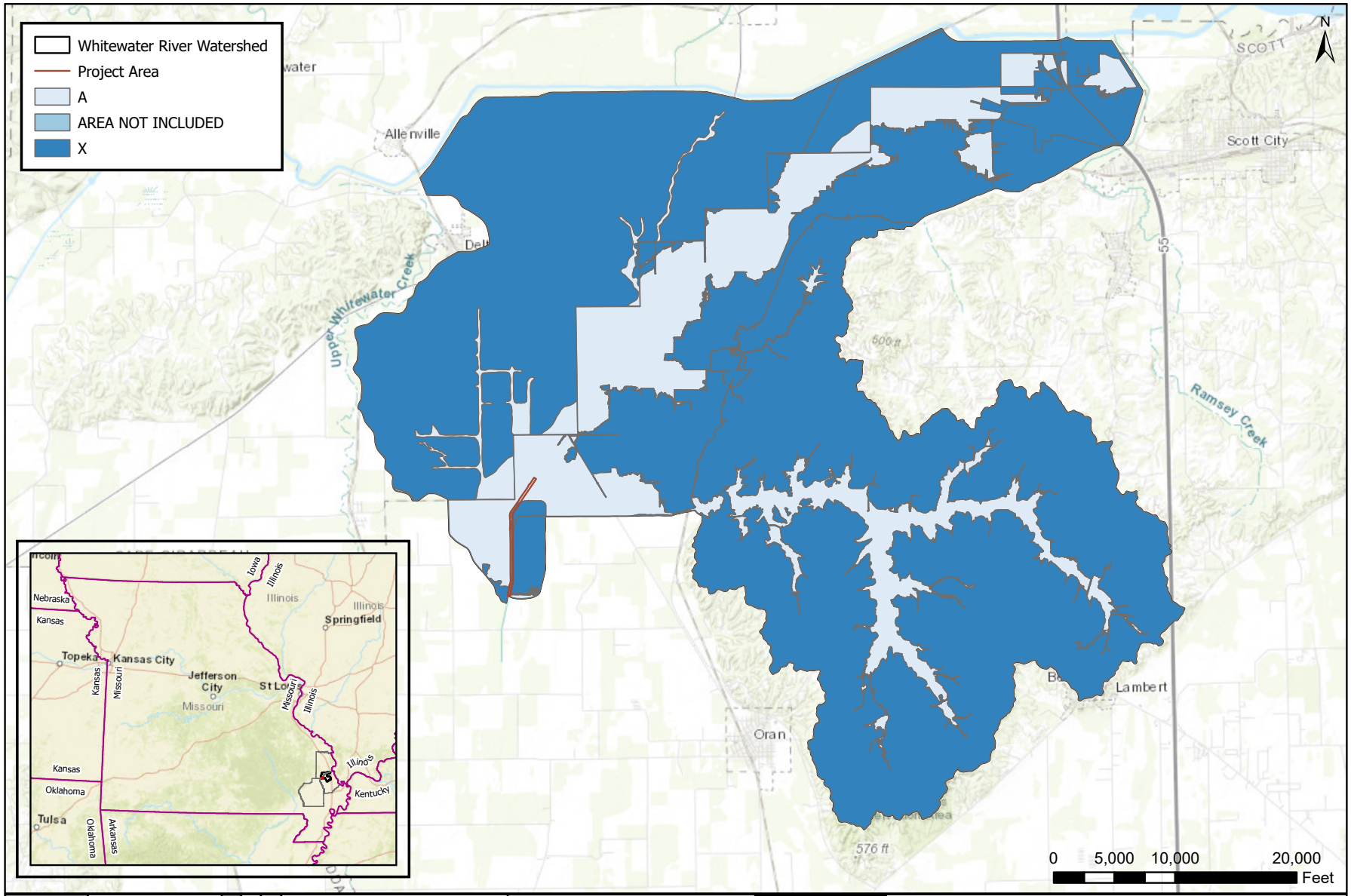


Figure 7a of 12 figures	SHEET NAME: Flood Map Watershed Area	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/7/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700 Drawing Date 11/17/2024 Designed By AR Drawn By AR Approved By XXX

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

County of Cape Girardeau, Scott County, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA, Esri, HERE, Garmin, NGA, USGS, NPS

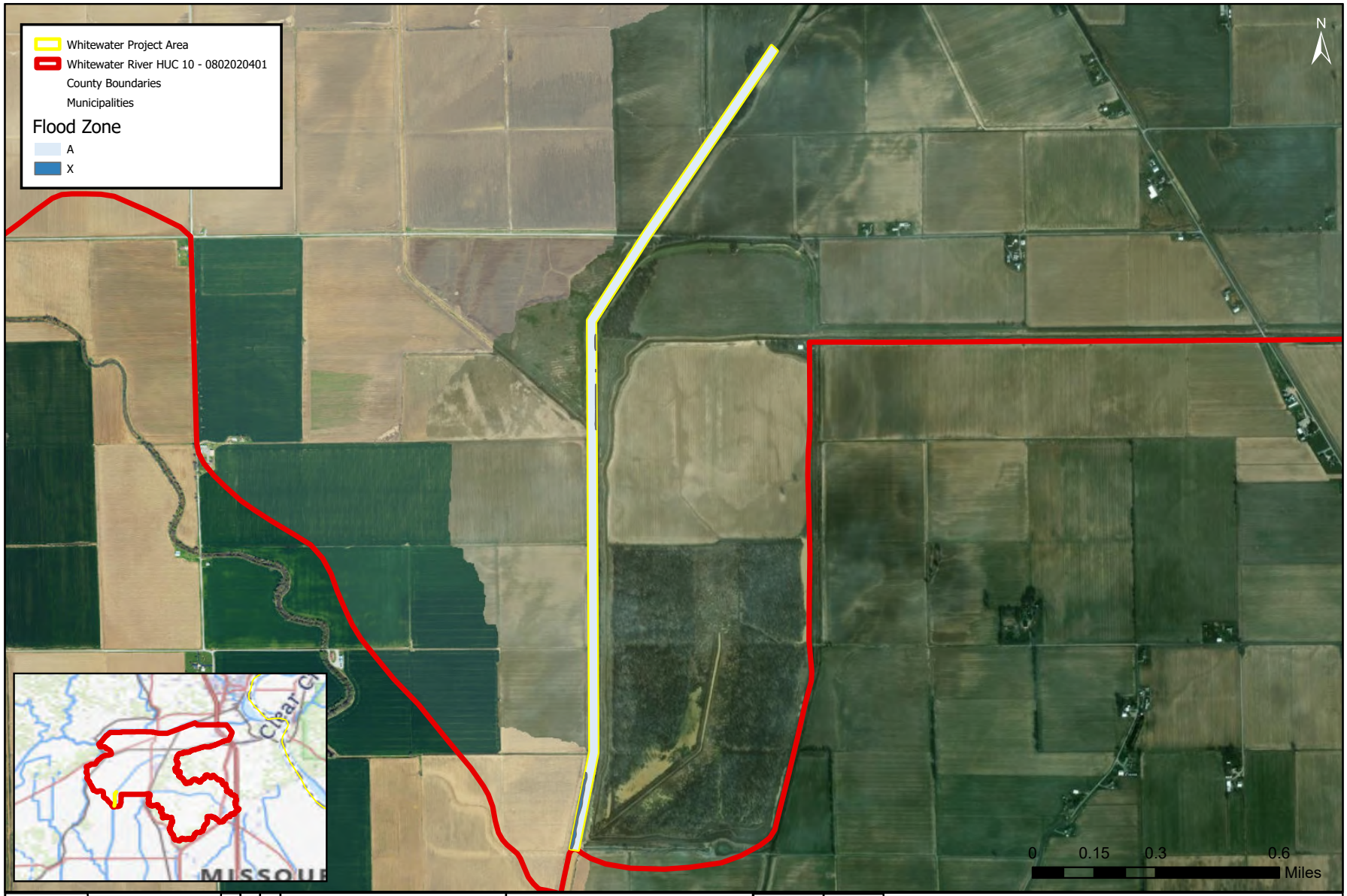


Figure 7b
of 12 figures

SHEET NAME
Flood Map
Project Area

Revision	1 By/Date	2 By/Date

PE PROJECT NAME
Whitewater River
Watershed

Date: 11/19/2024
Exp. Date: 11/30/20xx

PE Project No.	515.1700
Drawing Date	11/19/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar; USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024.

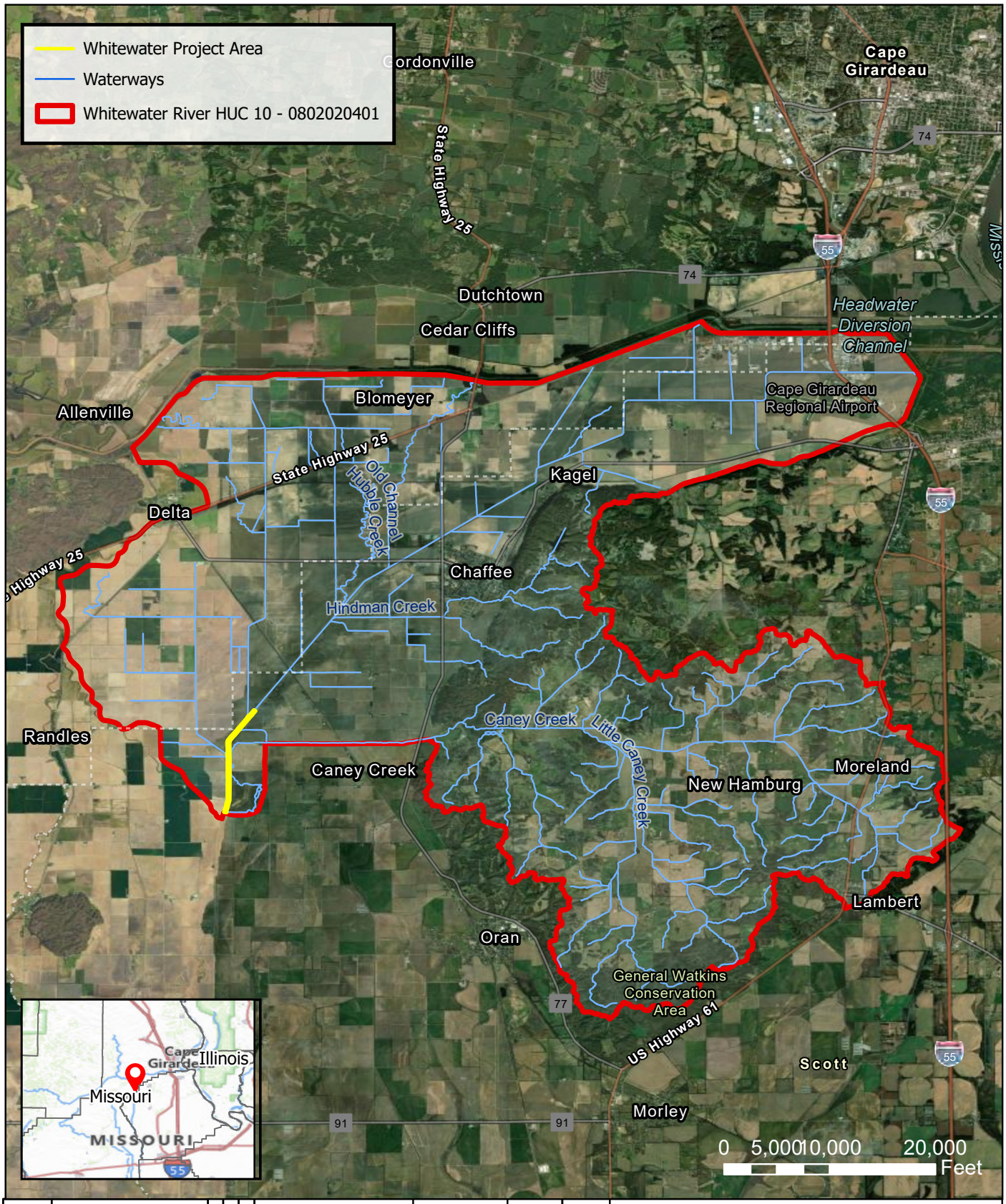


Figure 8a of 12 figures	SHEET NAME	Revision	PE PROJECT NAME	Date: 11/8/2024 Exp. Date: xx/xx/20xx		
	WATERS OF THE U.S.	2 By/Date 1 By/Date	WHITEWATER WATERSHED		PE Project No.	515.1700.06
					Drawing Date	11/8/2024
					Designed By	MKL
					Drawn By	MKL
					Approved By	XXX

Prairie Engineers · ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, State of Missouri, Earthstar Geographics, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information

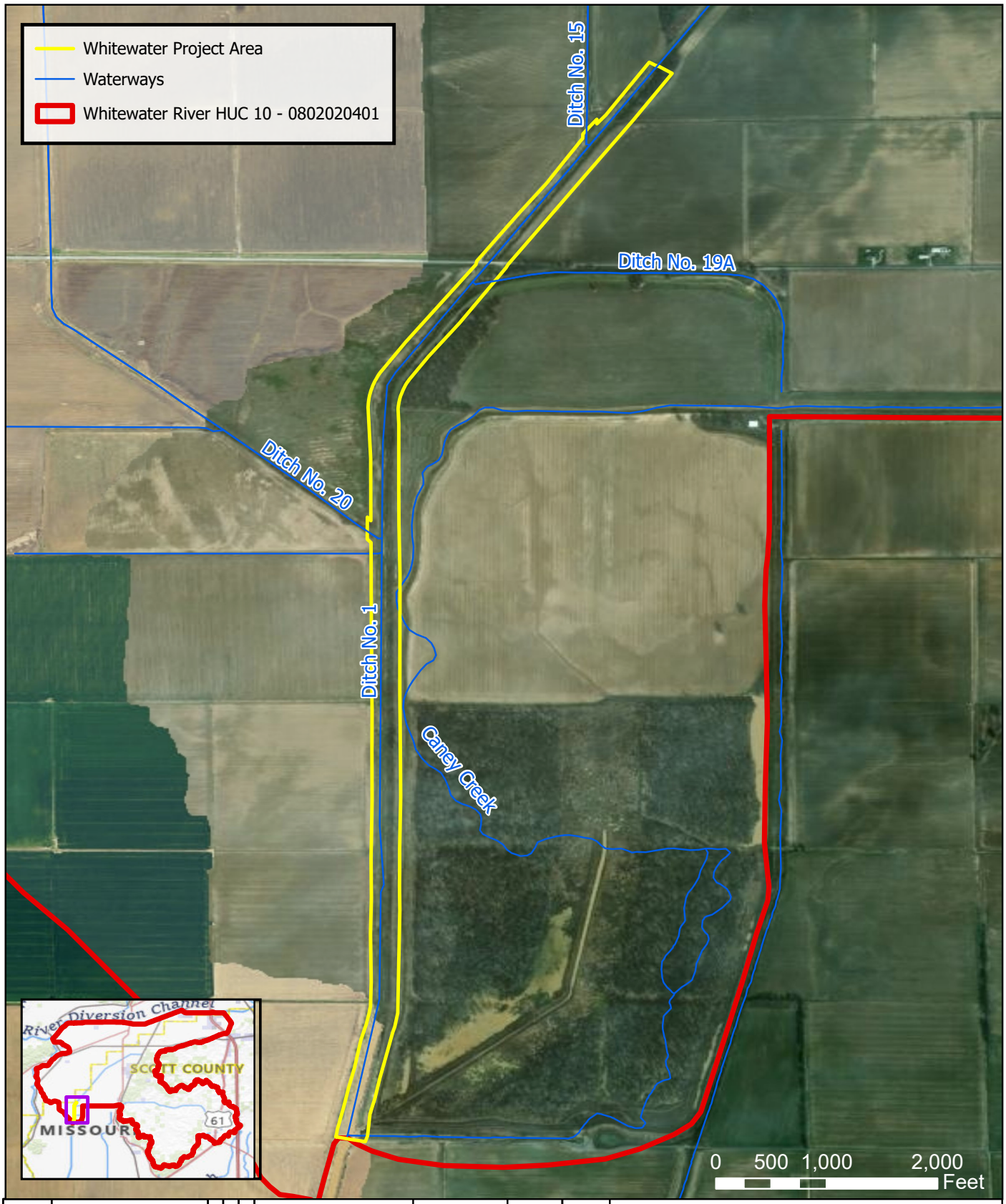


Figure 8b of 12 figures	SHEET NAME WATERS OF THE U.S.	2 By/Date	1 By/Date	Revision	PE PROJECT NAME WHITEWATER WATERSHED	Date: 11/26/2024 Exp. Date: xx/xx/20xx	PE Project No. 515.1700.06 Drawing Date 12/6/2024 Designed By MKL Drawn By MKL Approved By XXX

Prairie Engineers · ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed April, 2024.

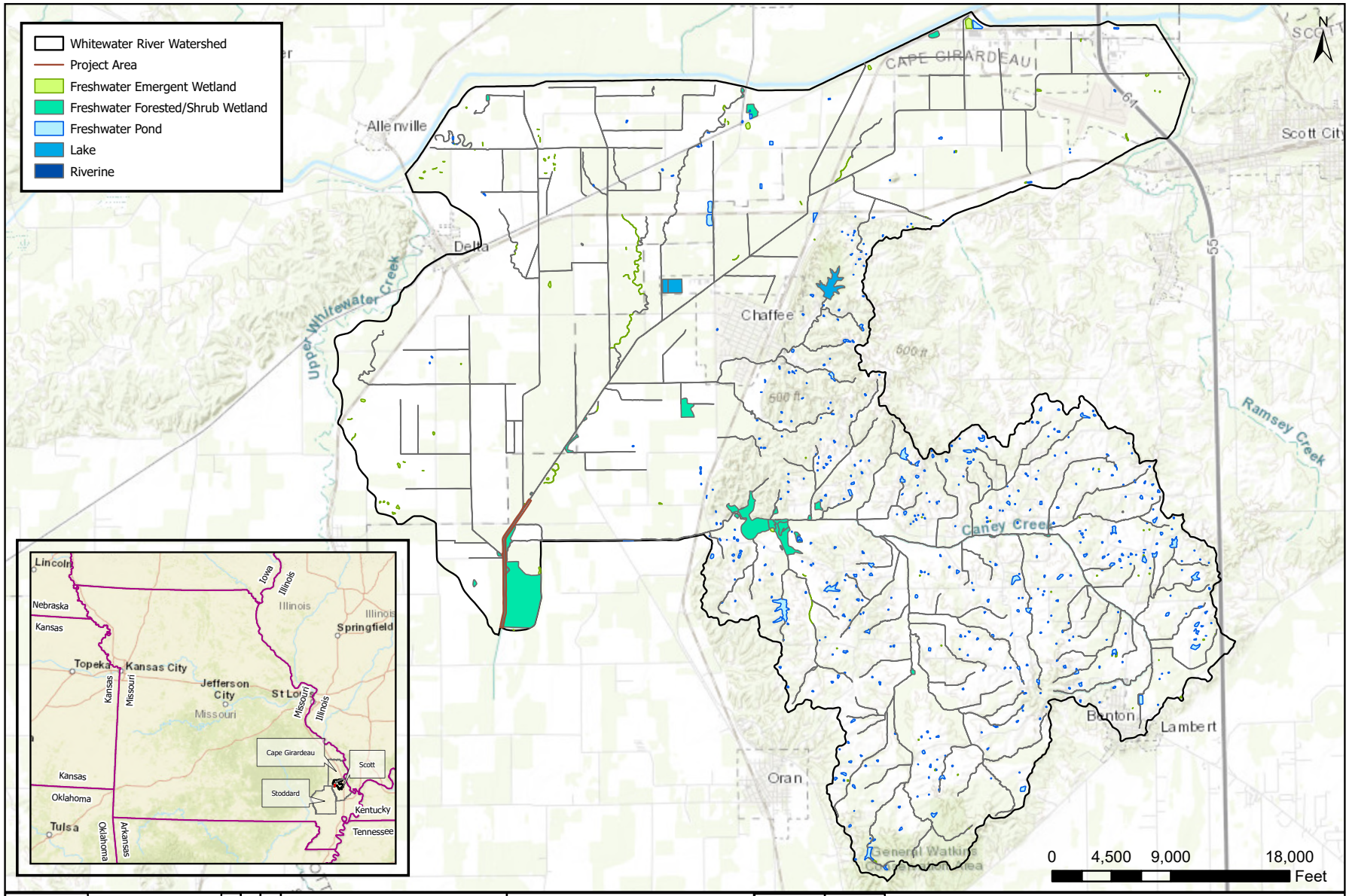


Figure 9a of 12 figures	SHEET NAME: NWI Watershed Map	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/7/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700 Drawing Date 11/17/2024 Designed By AR Drawn By AR Approved By XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

County of Cape Girardeau, Scott County, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA, Esri, HERE, Garmin, NGA, USGS, NPS

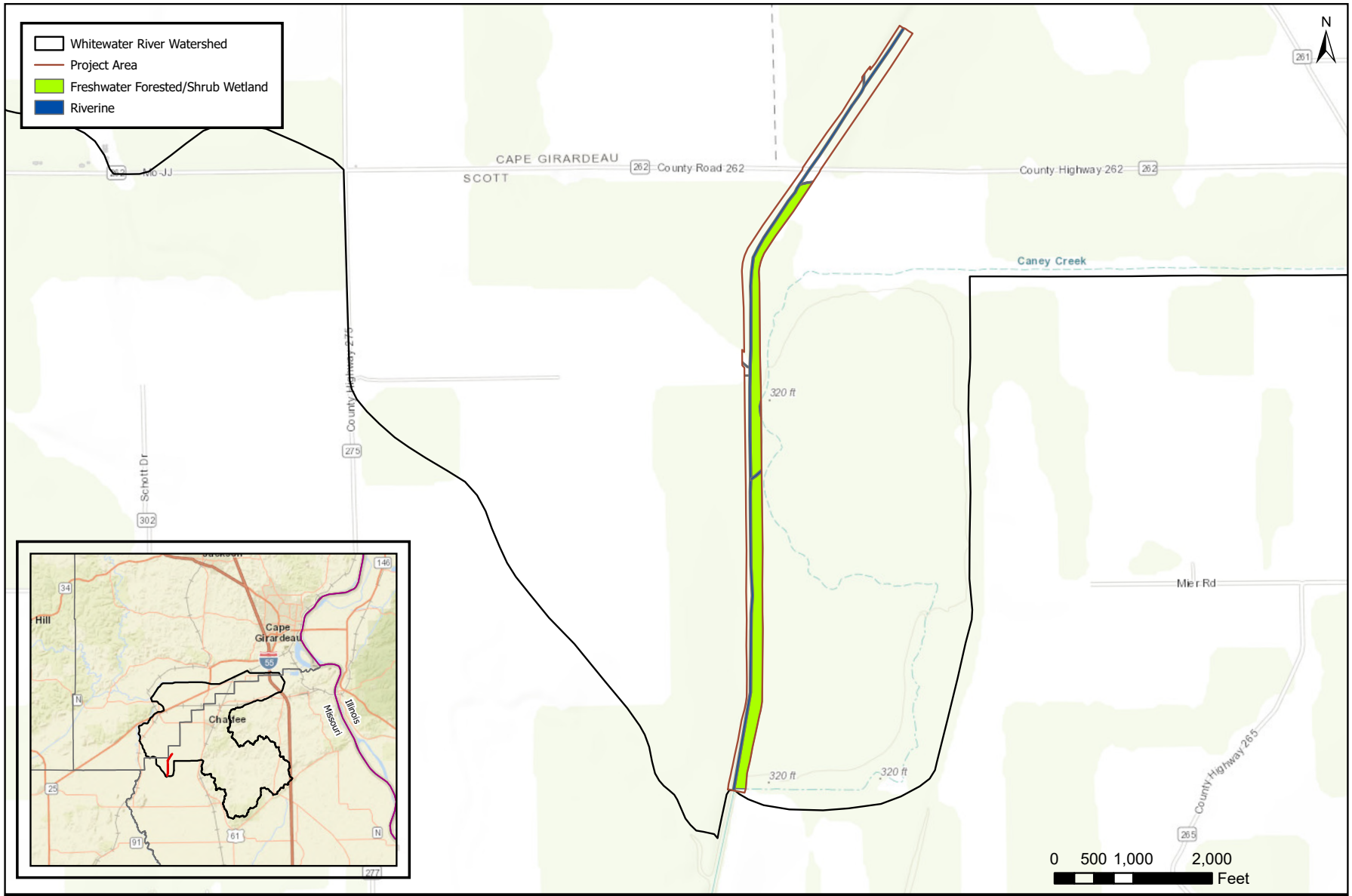


Figure 9b of 12 figures	SHEET NAME: NWI Project Area Map	2 By/Date	1 By/Date	Revision	PE PROJECT NAME: Whitewater River Watershed	Date: 11/7/2024 Exp. Date: 11/30/20xx	PE Project No. 515.1700 Drawing Date 11/17/2024 Designed By AR Drawn By AR Approved By XXX

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

County of Cape Girardeau, Scott County, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA, Esri, HERE, Garmin, NGA, USGS, NPS

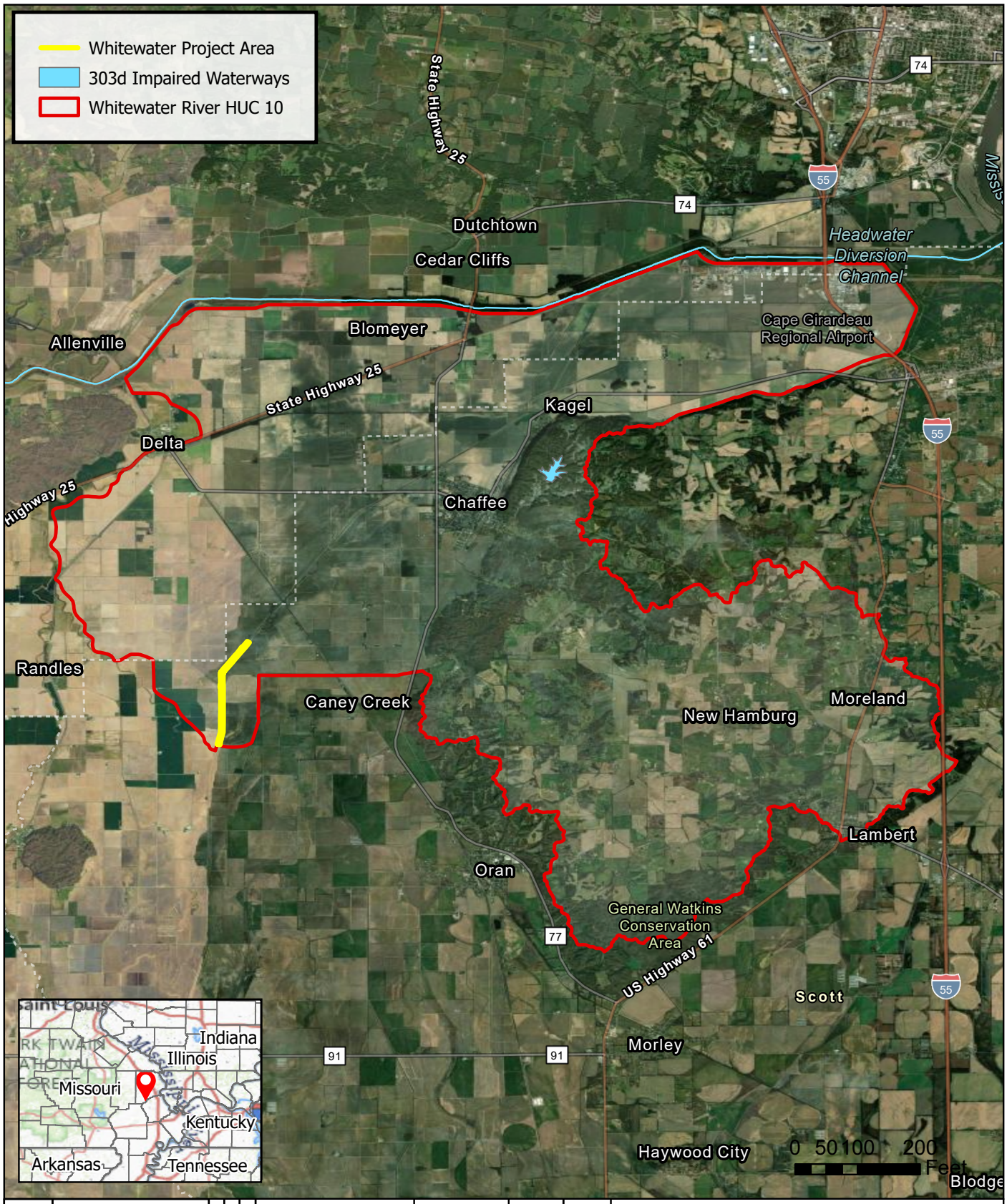


Figure 10 of 12 figures

SHEET NAME: 303d Impaired Waterways and Streams

Revision	1 By/Date	2 By/Date

PE PROJECT NAME: WHITEWATER WATERSHED

Date: 11/8/2024
Exp. Date: xx/xx/20xx

PE Project No.	90.2301
Drawing Date	11/08/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, State of Missouri, Earthstar Geographics, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information

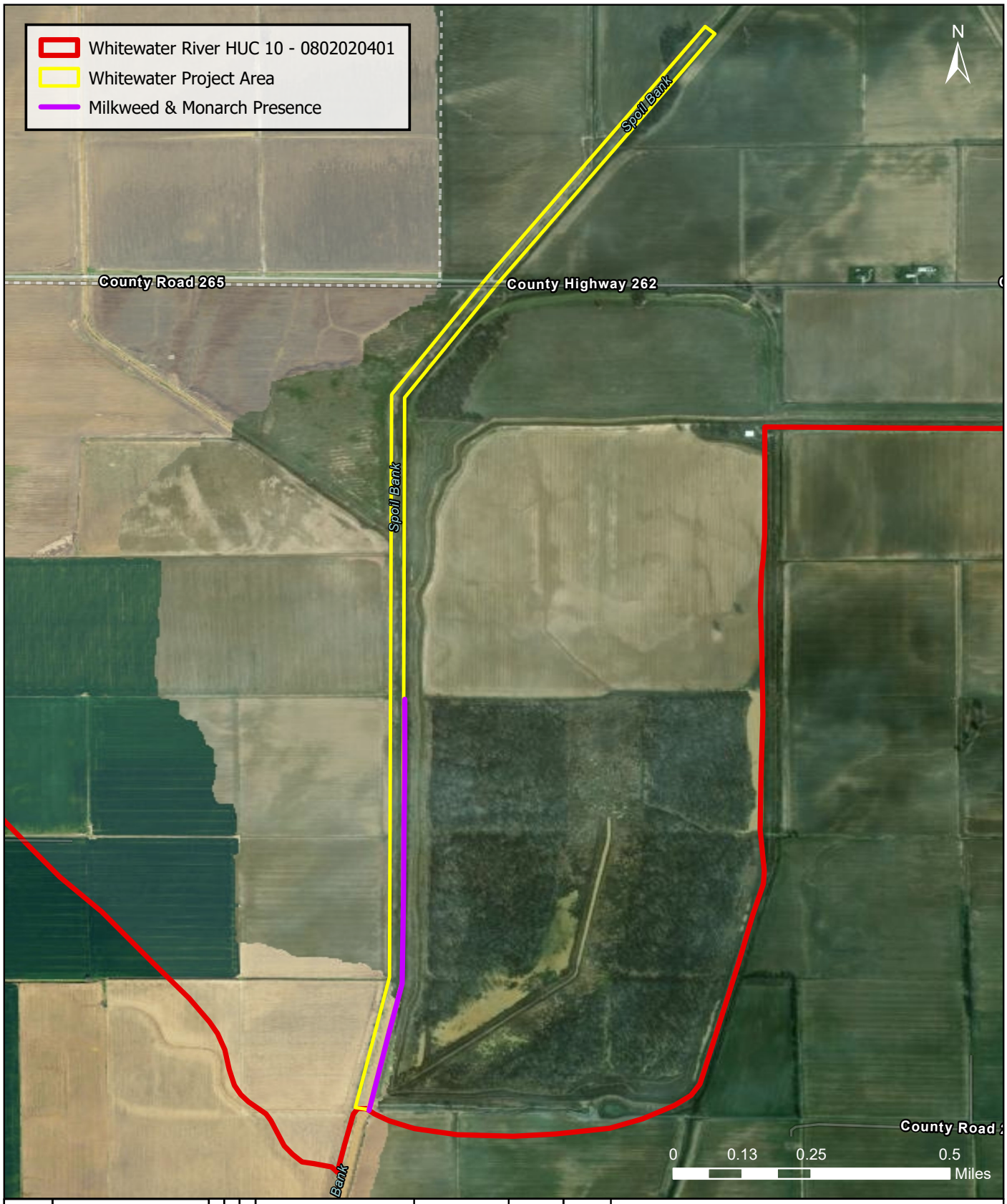


Figure 11
of 12 figures

SHEET NAME
MILKWEED & MONARCH PRESENCE

Revision	1 By/Date	2 By/Date

PE PROJECT NAME
WHITEWATER WATERSHED

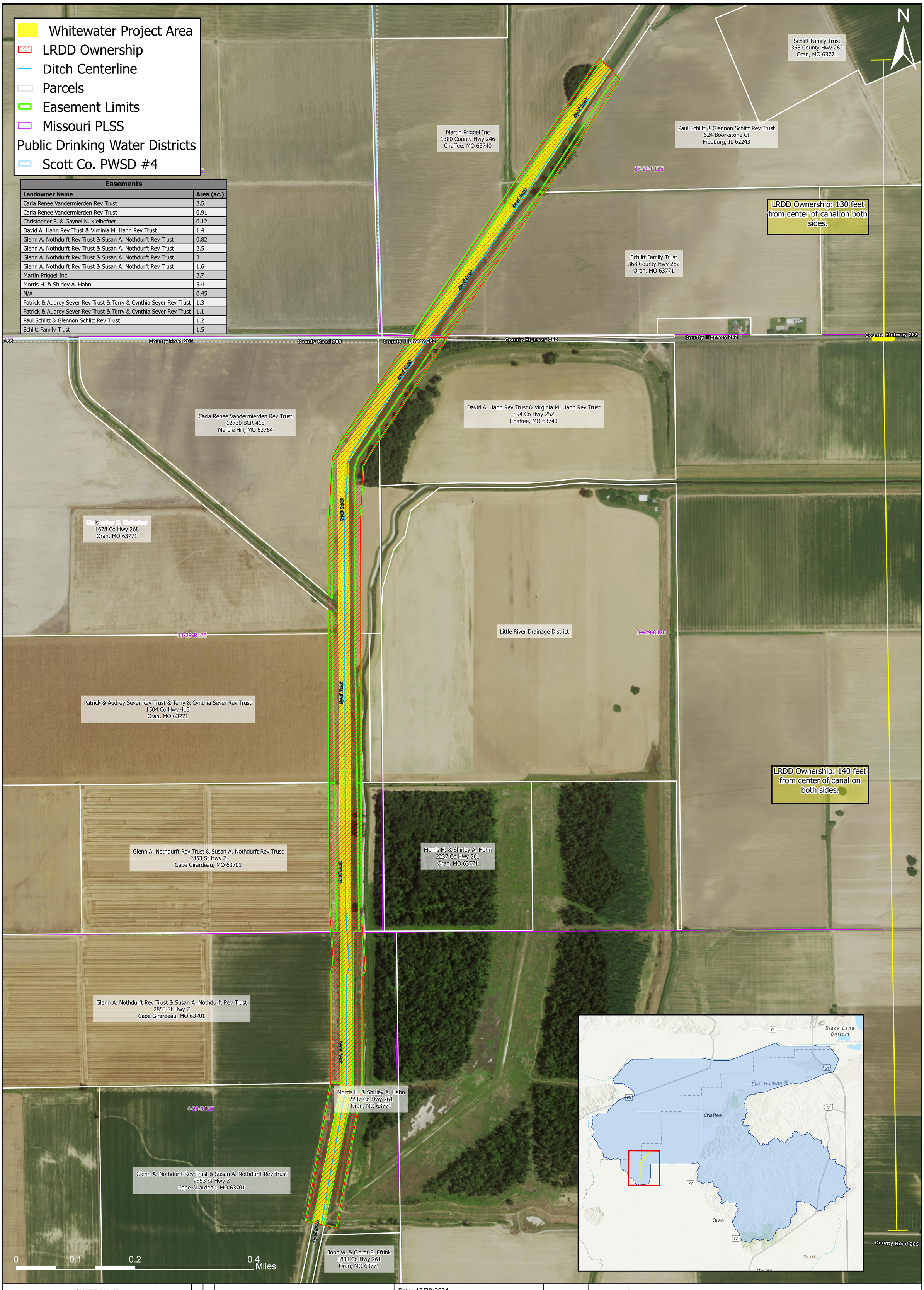
Date: 12/6/2024
Exp. Date: xx/xx/20xx

PE Project No.	515.1700.06
Drawing Date	12/6/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

State of Missouri, Maxar, Esri Community Maps Contributors, Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS



Easements	
Landowner Name	**Area (ac.)**
Carla Renee Vandermierden Rev Trust	2.5
Carla Renee Vandermierden Rev Trust	0.91
Christopher S. & Gaynel N. Kielhofner	0.12
David A. Hahn Rev Trust & Virginia M. Hahn Rev Trust	1.4
Glenn A. Nothdurft Rev Trust & Susan A. Nothdurft Rev Trust	0.82
Glenn A. Nothdurft Rev Trust & Susan A. Nothdurft Rev Trust	2.5
Glenn A. Nothdurft Rev Trust & Susan A. Nothdurft Rev Trust	3
Glenn A. Nothdurft Rev Trust & Susan A. Nothdurft Rev Trust	1.6
Martin Priggel Inc	2.7
Morris H. & Shirley A. Hahn	5.4
N/A	0.45
Patrick & Audrey Seyer Rev Trust & Terry & Cynthia Seyer Rev Trust	1.3
Patrick & Audrey Seyer Rev Trust & Terry & Cynthia Seyer Rev Trust	1.1
Paul Schlitt & Glennon Schlitt Rev Trust	1.2
Schlitt Family Trust	1.5

X - X.X
of xxx sheets

SHEET NAME

Land Rights

Revision	1 By/Date	2 By/Date

PE PROJECT NAME

Watershed Plan and Environmental Document - Whitewater River Watershed – Missouri

Date: 12/20/2024
Exp. Date: 11/30/20xx

DATA SOURCES

NAIP Hybrid Imagery
Esri Community Maps Contributors, Missouri Dept. of Conservation, Missouri DNR, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Source: Esri, USDA FSA, Esri, NASA, NGA, USGS, FEMA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS

Parcel Data
Regrid Nationwide Parcel Data

Canal Data
USGS National Hydrography Dataset Flowlines

Utilities Data
Missouri Spatial Data Information Service

PE Project No.	515.1700.06
Drawing Date	12/20/2024
Designed By	MKL
Drawn By	MKL
Approved By	XXX

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

Prairie Engineers, P.C.
9025 IL Route 127
Hillsboro, IL 62049
(217) 532-9233
www.prairieengineers.com
Professional Design Firm
No. 184-005965

INDEX OF SHEETS	
SHEET NO.	SHEET TITLE
01	COVER PAGE
02	KEY MAP & GENERAL NOTES
03	BANK STABILIZATION DETAILS
04	LAND COVER MAP
05	PLAN 10+00.00 TO 50+00.00
06	PLAN 50+00.00 TO 106+00.00
07	PLAN 106+00.00 TO 122+00.00

CONSERVATION WORKS JV LLC
SCOTT COUNTY
DRAINAGE CHANNEL
STABILIZATION PROJECT

SCALE: 1" : 2000'

SUMMARY OF QUANTITIES			
OPTION 1 (FULL BANK)			
NO.	**ITEM**	**UNIT**	**QTY**
1	MOBILIZATION	LS	1
2	RIPRAP (MIX NO. 4)	CY	67,186
3	EXCESS BANK BERM EARTHWORK	CY	148,000
4	6" ROCK BEDDING	CY	8,991
5	SEEDING	AC	24
OPTION 1 ALT. (HALF BANK)			
NO.	**ITEM**	**UNIT**	**QTY**
1	MOBILIZATION	LS	1
2	RIPRAP (MIX NO. 4)	CY	42,843
3	EXCESS BANK BERM EARTHWORK	CY	148,000
4	6" ROCK BEDDING	CY	5,883
6	SEEDING	AC	32
7	EROSION MAT	SY	11,100
OPTION 2 (FULL BANK)			
NO.	**ITEM**	**UNIT**	**QTY**
1	MOBILIZATION	LS	1
2	RIPRAP (MIX NO. 4)	CY	114,654
3	EXCESS BANK BERM EARTHWORK	CY	148,000
4	SEEDING	AC	24
OPTION 2 ALT. (HALF BANK)			
NO.	**ITEM**	**UNIT**	**QTY**
1	MOBILIZATION	LS	1
2	RIPRAP (MIX NO. 4)	CY	78,140
3	EXCESS BANK BERM EARTHWORK	CY	148,000
5	EROSION MAT	SY	11,100
6	SEEDING	AC	32

LEGEND

- WORK ZONE
- RIP RAP
- SEEDING OR PLANTING

PREPARED BY - DATE

CHARLES LOUGHMAN, P.E.
PROJECT MANAGER
WILSON & COMPANY, INC.
ENGINEERS & ARCHITECTS

PRELIMINARY
October 2023

SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM — DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA — OCTOBER 2023
QUALITY CONTROL BY: CDL — OCTOBER 2023
APPROVED BY: CDL — NOVEMBER 2023

ENGINEER: WILSON & COMPANY
800 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: COVER PAGE

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATIONWORKS JOINT VENTURE

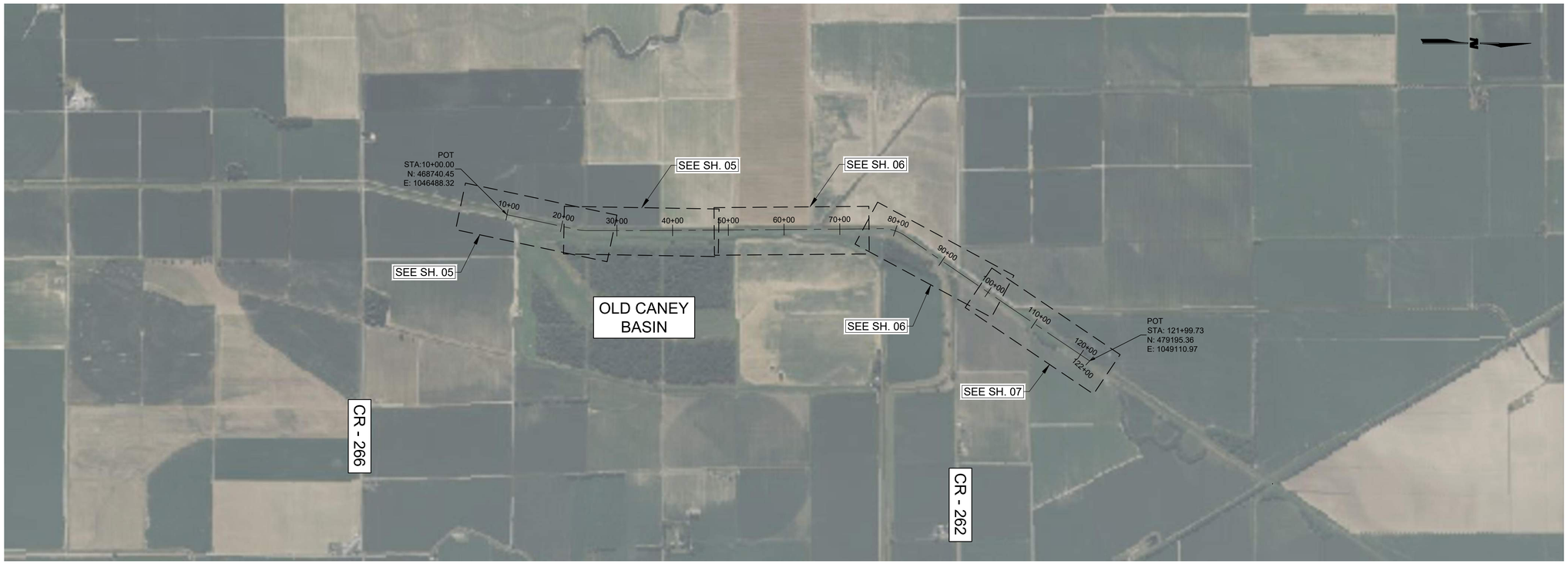
NRCS
United States Department of Agriculture — Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: G-01

SHEET 01 OF 09

M:\MSD\23-600-334-00\2_Designfiles_SHEETS_Sheets - general\230334_TITLE_02.dwg 11/14/2023 3:53 PM



D1 KEY MAP

SCALE: 1" = 1000'

0 500' 1000'

GENERAL NOTES

ROCK RIPRAP

1. ROCK RIPRAP SHALL BE DENSE, SOUND AND FREE FROM CRACKS, SEAMS AND OTHER DEFECTS CONDUCIVE TO ACCELERATED WEATHERING.
2. THE ROCK RIPRAP SHALL BE ANGULAR TO SUB-ROUNDED IN SHAPE WITH THE GREATEST DIMENSION NOT GREATER THAN 2 TIMES THE LEAST DIMENSION. IT SHALL BE FREE FROM DIRT, CLAY, SAND, ROCK FINES, AND OTHER MATERIAL NOT MEETING THE REQUIRED GRADATION LIMITS.
3. THE ROCK RIPRAP DENSITY SHALL BE 165 POUNDS PER CUBIC FOOT OR GREATER.
4. THE ROCK RIPRAP HARDNESS SHALL BE SUCH THAT IT WILL NOT DENT WHEN STRUCK WITH THE ROUNDED END OF A ONE POUND BALL PEEN HAMMER, OR HARDNESS SHALL BE DETERMINED BY OTHER METHODS APPROVED BY NRCS.
5. RIPRAP GRADATION SHALL CONFORM TO THE SPECIFIED MIX NUMBER IN THE TABLE BELOW:

ROCK SIZE (INCHES)			
MIX NUMBER	MAXIMUM	AVERAGE D50	MINIMUM
4	18	12	2

6. BEFORE ROCK IS DELIVERED FROM ITS SOURCE, THE CONTRACTOR SHALL DESIGNATE THE SOURCE FROM WHICH ROCK MATERIAL WILL BE OBTAINED AND PROVIDE INFORMATION SATISFACTORY TO THE NRCS THAT THE MATERIAL MEETS DESIGN REQUIREMENTS.
7. THE CONTRACTOR SHALL PROVIDE THE NRCS TECHNICAL REPRESENTATIVE FREE ACCESS TO THE SOURCE FOR THE PURPOSE OF VISUALLY INSPECTING THE ROCK AND/OR OBTAINING SAMPLES FOR TESTING.

FILTER OR BEDDING AGGREGATE

8. FILTER OR BEDDING AGGREGATE SHALL BE COMPOSED OF CLEAN, HARD AND DURABLE MINERAL PARTICLES FREE FROM ORGANIC MATTER, CLAY BALLS OR OTHER DELETERIOUS SUBSTANCES.

SUBGRADE PREPARATION

9. THE SUBGRADE SURFACE ON WHICH THE ROCK RIPRAP, FILTER, BEDDING, OR GEOTEXTILE IS TO BE PLACED SHALL BE CUT OR FILLED AND GRADED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS. WHEN FILL TO SUBGRADE LINES IS REQUIRED, IT SHALL CONSIST OF APPROVED MATERIAL AND SHALL BE COMPACTED TO A DENSITY EQUAL TO THE ADJACENT EXISTING SOIL MATERIAL.
10. ROCK RIPRAP, FILTER, BEDDING, OR GEOTEXTILE SHALL NOT BE PLACED UNTIL THE FOUNDATION PREPARATION IS COMPLETED AND THE NRCS-ME SUBGRADE SURFACE HAS BEEN INSPECTED AND APPROVED BY NRCS.

EQUIPMENT-PLACE ROCK RIPRAP

11. THE ROCK RIPRAP SHALL BE PLACED BY EQUIPEMENT ON THE SURFACE AND TO THE DEPTH SPECIFIED. IT SHALL BE INSTALLED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID SERIOUS DISPLACEMENT OF THE UNDERLYING MATERIAL.
12. THE ROCK FOR RIPRAP SHALL BE DELIVERED AND PLACED IN A MANNER THAT ENSURES THE RIPRAP IN PLACE IS REASONABLY HOMOGENOUS WITH THE LARGER ROCKS UNIFORMLY DISTRIBUTED AND FIRMLY IN CONTACT ONE TO ANOTHER WITH THE SMALLER ROCKS AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER ROCKS.
13. ROCK RIPRAP SHALL BE PLACE IN A MANNER TO PREVENT DAMAGE TO STRCUTURES. HAND PLACING IS REQUIRED AS NECESSARY TO PREVENT DAMAGE TO ANY NEW AND EXISTING STRUCTURES.

HAND PLACED ROCK RIPRAP

14. THE ROCK RIPRAP SHALL BE PLACED BY HAND ON THE SURFACE AND TO THE DEPTH SPECIFIED. IT SHALL BE SECURELY BEDDED WITH THE LARGER ROCKS FIRMLY IN CONTACT ONE TO ANOTHER WITHOUT BRIDGING. SPACED BETWEEN THE LARGER ROCKS SHALL BE FILLED WITH SMALLER ROCKS AND SPALLS. SMALLER ROCKS SHALL NOT BE GROUPED AS A SUBSTITUTE FOR LARGER ROCK.

CONSTRUCTION OPERATIONS

15. CONSTRUCTION OPERATIONS SHALL BE DONE IN SUCH A MANNER THAT EROSION AND AIR AND WATER POLLUTION ARE MINIMIZED. THE OWNER, OPERATOR, CONTRACTOR OR OTHERS WILL CONDUCT ALL WORK AND OPERATIONS IN ACCORDANCE WITH PROPER SAFETY GUIDELINES FOR THE TYPE OF CONSTRUCTION BEING PERFORMED.

GRADING OF REMOVED SEDIMENT

16. DESTRUCTION OF EXISTING VEGETATION CONTAINED IN RIPRARIAN ZONES IN THE WORK AREA SHALL BE AVOIDED TO THE EXTENT POSSIBLE.
17. DO NOT SPREAD REMOVED SEDIMENT WHEN THE GROUND OR SPOIL IS FROZEN OR EXCESSIVELY WET.
18. THE MOISTURE CONTENT OF THE SPOIL SHALL BE SUCH THAT THE FINAL SURFACE OF THE SPOIL CAN BE GRADED WITHOUT EXCESSIVE TACKING BY THE SPREADING EQUIPMENT. EQUIPMENT TRACKS WHICH CANNOT BE REMOVED BY NORMAL SEED BED PREPARATION TELLAGE ARE CONSIDERED EXCESSIVE.
19. BEFORE PLACING REMOVED SEDIMENT MATERIAL THAT HAS PHYSICAL OR CHEMICAL CHARACTERISTICS THAT PREVENT THE ESTABLISHMENT OF ADEQUATE VEGETATION, STRIP TOPSOIL FROM THE SPOIL AREA USE THE TOPSOIL OR OTHER SUITABLE SOIL MATERIAL TO COVER THE SPOIL WITH A MINIMUM OF 6 INCHES OF SOIL PRIOR TO SEEDING.
20. ANY WOODY DEBRIS GREATER THAN 2 INCHES IN DIAMETER AND LONGER THAN 3 FEET SHALL BE REMOVED FROM THE REMOVED SEDIMENT AND DISPOSED OF IN DESIGNATED AREAS. ANY OTHER FORMS OF DEBRIS OR TRASH CONTAINED IN THE REMOVED SEDIMENT SHALL BE REMOVED FROM THE AND DISPOSED OF IN A LEGAL MANNER.
21. REMOVED SEDIMENT SHALL BE EVENLY SPREAD IN LIFTS NO DEEPER THAN 6-INCHES. NO SPECIFIC COMPACTION EFFORT OR RESULTS ARE REQUIRED, BUT SEIMDENT SHALL NOT BE COMPACTED BEYOND THE DENSITY OF THE SURROUNDING SOIL.
22. FINAL PLACEMENT AND GRADING OF THE REMOVED SEDIMENT SHALL NOT RESULT IN THE PONDING OF SURFACE WATER ON EITHER THE SPOIL SURFACE OR ON LAND ADJACENT TO THE SPOIL.

PRELIMINARY
October 2023

SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA OCTOBER 2023
QUALITY CONTROL BY: CDL OCTOBER 2023
APPROVED BY: CDL NOVEMBER 2023

ENGINEER: WILSON & COMPANY
800 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-703-3100
www.wilsonco.com

SHEET TITLE: KEY MAP & GENERAL NOTES

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATIONWORKS JOINT VENTURE

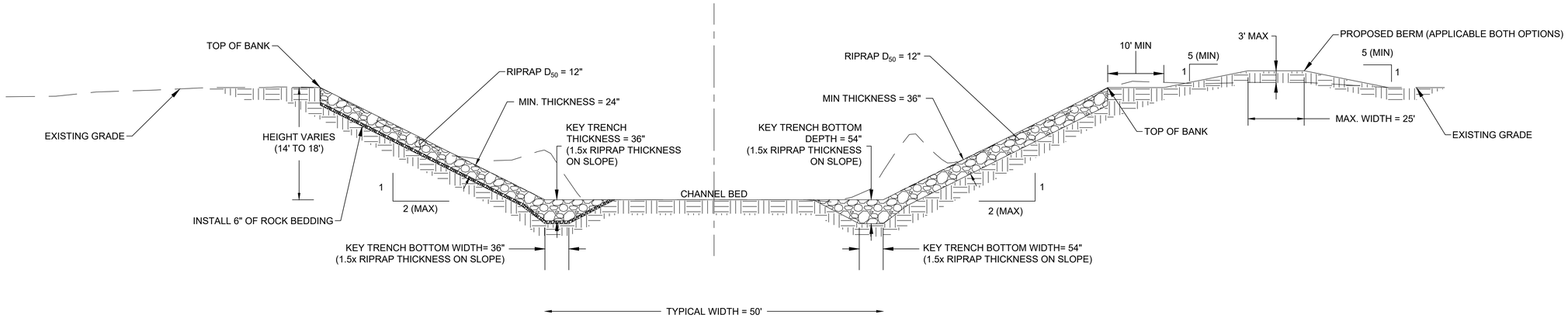
NRCS United States Department of Agriculture Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: G-02

SHEET 02 OF 09

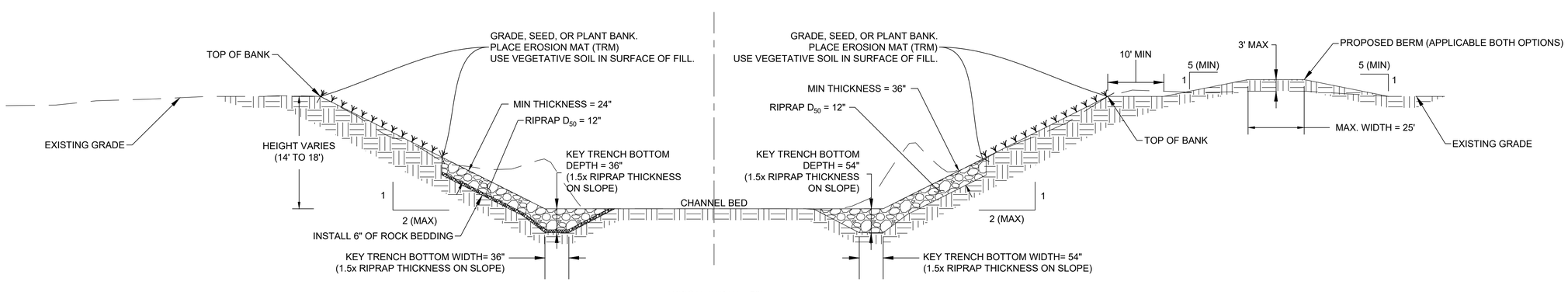
M:\MSD\23-600-334-00\2_Disciplines_SHEETS_Sheets - general\23S334_TITLE_02.dwg 11/14/2023 3:53 PM



FULL BANK OPTION 1
(APPLY TO BOTH BANKS)

FULL BANK OPTION 2
(APPLY TO BOTH BANKS)

E1 BANK STABILIZATION DETAIL - FULL BANK OPTIONS
NTS



HALF BANK OPTION 1
(APPLY TO BOTH BANKS)

HALF BANK OPTION 2
(APPLY TO BOTH BANKS)

A1 BANK STABILIZATION DETAIL - HALF BANK OPTIONS
NTS

PRELIMINARY
October 2023

SCALE VALID ONLY ON
22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM — DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA — OCTOBER 2023
QUALITY CONTROL BY: CDL — OCTOBER 2023
APPROVED BY: CDL — NOVEMBER 2023

ENGINEER: WILSON & COMPANY
805 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

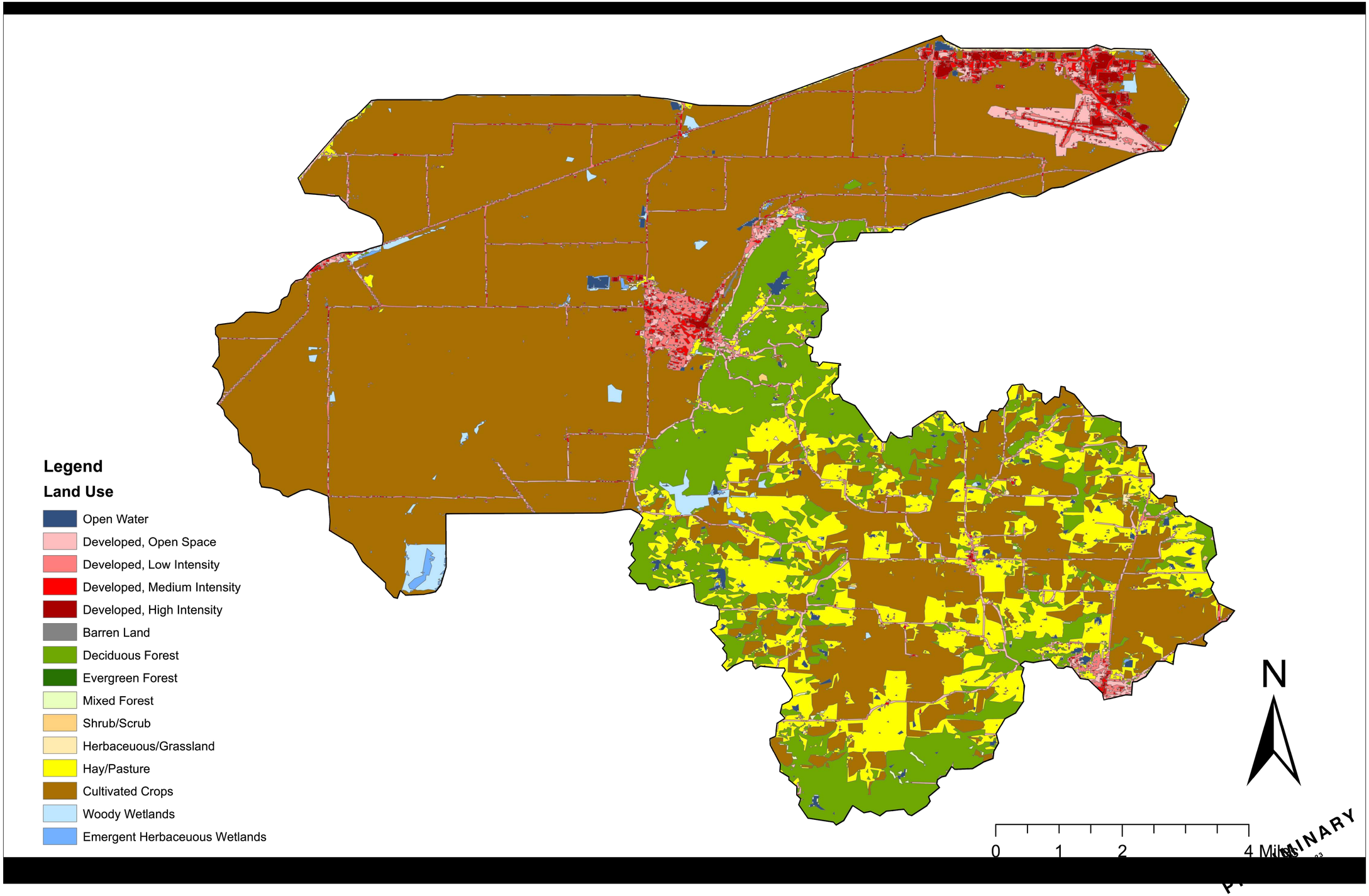
SHEET TITLE: BANK STABILIZATION DETAILS
PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District
BY: CONSERVATIONWORKS JOINT VENTURE

NRCS
United States Department of Agriculture — Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00
SHEET: DTL-01
SHEET 03 OF 09

M:\MSD\23-600-334-00\2_Designing_SHEETS\2_Sheets - civil\23033A_DTL_01.dwg 11/14/2023 3:53 PM



SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM
DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA
OCTOBER 2023
QUALITY CONTROL BY: CDL
OCTOBER 2023
APPROVED BY: CDL
NOVEMBER 2023

ENGINEER: WILSON & COMPANY
805 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-703-3100
www.wilsonco.com

SHEET TITLE: LAND COVER MAP

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATIONWORKS JOINT VENTURE

NRCS United States Department of Agriculture Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: MAP-01

SHEET 04 OF 09

M:\GIS\23-600-334-00\3_Deliverables_SHEETS\1_Sheets - general\23033A_NLCD_01.dwg 11/14/2023 3:53 PM

D1 PLAN 10+00.00 TO 22+00.00

SCALE: 1" = 100'

PRELIMINARY
October 2023

A1 PLAN 22+00.00 TO 50+00.00

SCALE: 1" = 100'

SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM
QUALITY ASSURANCE BY: DSA
QUALITY CONTROL BY: CDL
APPROVED BY: CDL

DATE: OCTOBER 2023
OCTOBER 2023
OCTOBER 2023
OCTOBER 2023
NOVEMBER 2023

ENGINEER: WILSON & COMPANY
805 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: PLAN 10+00.00 TO 50+00.00

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATIONWORKS JOINT VENTURE

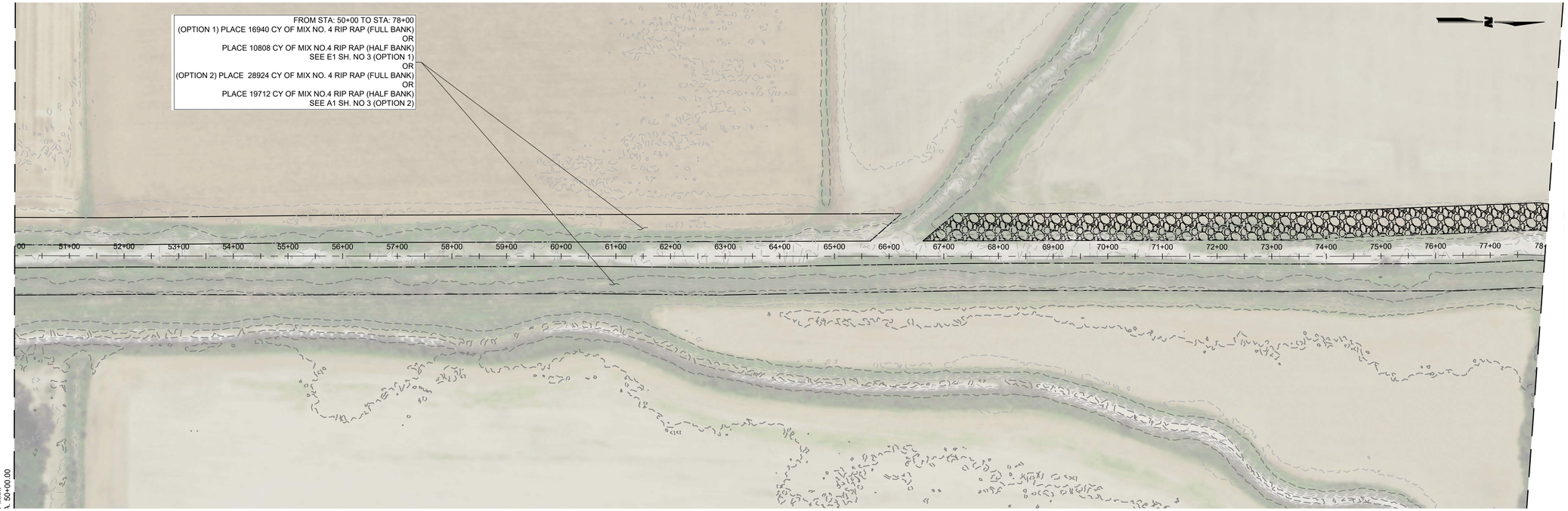
NRCS United States Department of Agriculture Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: P-01

SHEET 05 OF 09

M:\MSP\23-600-334-00\2_Disciplines_SHEETS\2_Sheets - civil\334334_CMP_02.dwg 11/14/2023 3:55 PM



D1 PLAN 50+00.00 TO 78+00.00

SCALE: 1" = 100'

0 50' 100'

A1 PLAN 78+00.00 TO 106+00.00

SCALE: 1" = 100'

0 50' 100'

SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM — DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA — OCTOBER 2023
QUALITY CONTROL BY: CDL — OCTOBER 2023
APPROVED BY: CDL — NOVEMBER 2023

ENGINEER: WILSON & COMPANY
800 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: PLAN 50+00.00 TO 106+00.00

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATIONWORKS JOINT VENTURE

NRCS United States Department of Agriculture Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: P-02

SHEET 06 OF 09

D1 PLAN 106+00.00 TO 122+00.00

SCALE: 1" = 100'

0 50' 100'

PRELIMINARY
October 2023

SCALE VALID ONLY ON 22"x34" SIZE PLANS

M:\MSD\23-600-334-00\2_Designs_SHEETS\2_Sheets - civil\23033A_CNP_02.dwg 11/14/2023 3:56 PM

DESIGNED BY: CMF/AJM DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA OCTOBER 2023
QUALITY CONTROL BY: CDL OCTOBER 2023
APPROVED BY: CDL NOVEMBER 2023

ENGINEER: WILSON & COMPANY
800 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: PLAN 106+00.00 TO 122+00.00

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATION WORKS JOINT VENTURE

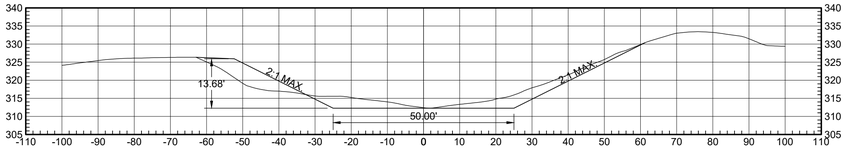
NRCS
United States Department of Agriculture Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

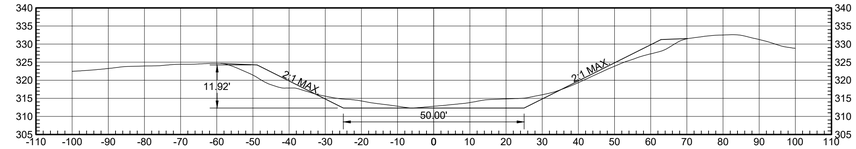
SHEET: P-03

SHEET 07 OF 09

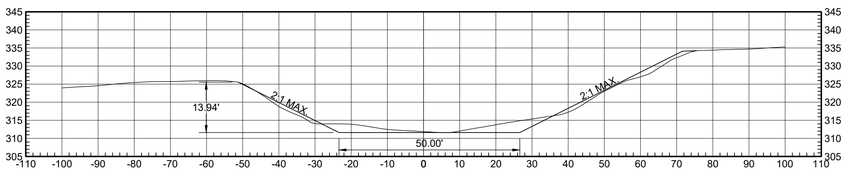
STA. 72+00.00



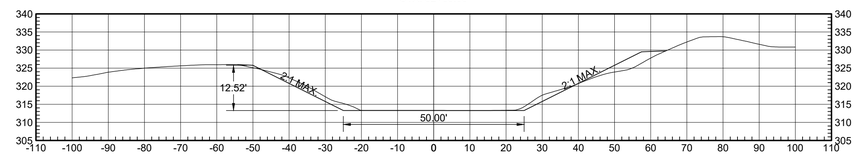
STA. 82+00.00



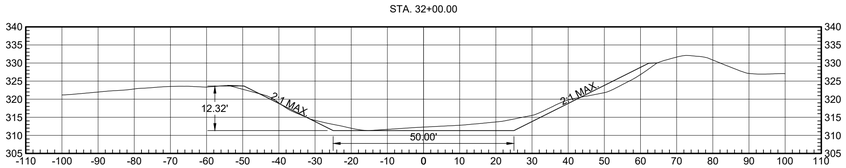
STA. 52+00.00



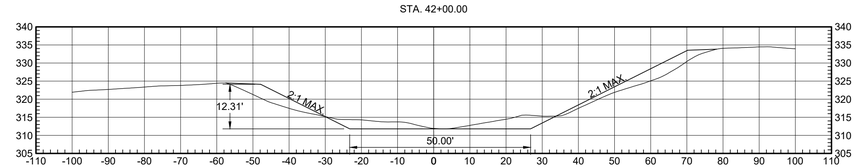
STA. 62+00.00



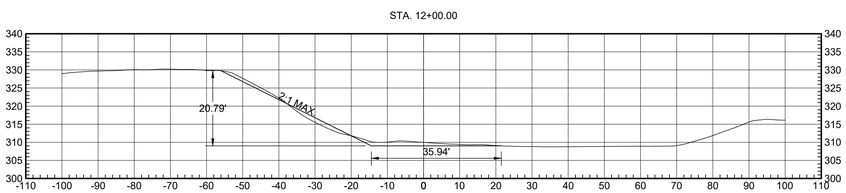
STA. 32+00.00



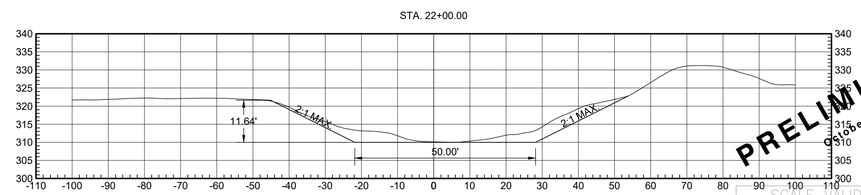
STA. 42+00.00



STA. 12+00.00



STA. 22+00.00



PRELIMINARY
October 2023

SCALE VALID ONLY ON 22"x34" SIZE PLANS

DESIGNED BY: CMF/AJM
DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA
OCTOBER 2023
QUALITY CONTROL BY: CDL
OCTOBER 2023
APPROVED BY: CDL
NOVEMBER 2023

ENGINEER: WILSON & COMPANY
800 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: CROSS SECTION 12+00.00 TO 82+00.00

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

BY: CONSERVATION WORKS JOINT VENTURE

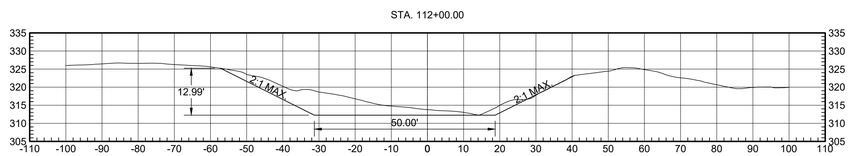
NRCS United States Department of Agriculture Natural Resources Conservation Service

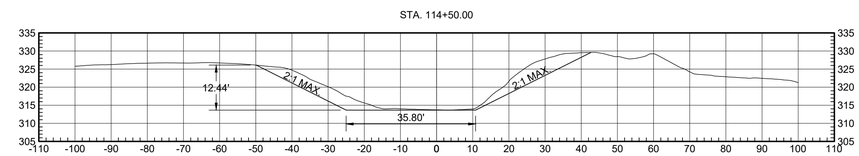
PROJECT NO.: 23-600-334-00

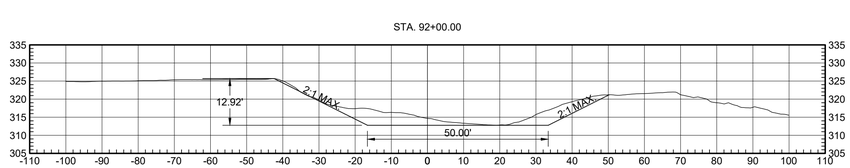
SHEET: XS-01

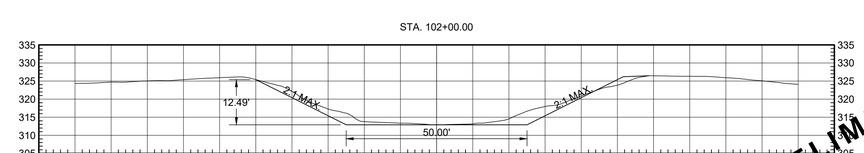
SHEET 08 OF 09

M:\MSD\23-600-334-00\2_Disciplines_SHEETS\2_Sheets - civil\20333A_XS07_02.dwg 11/14/2023 3:58 PM









PRELIMINARY
October 2023

SCALE VALID ONLY ON
22"x34" SIZE PLANS

M:\MSD\23-600-334-00\2_Disciplines_SHEETS\2_Sheets - civil\23033A_XS07_02.dwg 11/14/2023 3:59 PM

DESIGNED BY: CMF/AJM — DATE: OCTOBER 2023
QUALITY ASSURANCE BY: DSA — OCTOBER 2023
QUALITY CONTROL BY: CDL — OCTOBER 2023
APPROVED BY: CDL — NOVEMBER 2023

ENGINEER:
WILSON & COMPANY
805 EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-701-3100
www.wilsonco.com

SHEET TITLE: CROSS SECTION 19+00.00 TO 114+50.00

PROJECT: NRCS WHITEWATER WATERSHED PLAN

CLIENT: Little River Drainage District

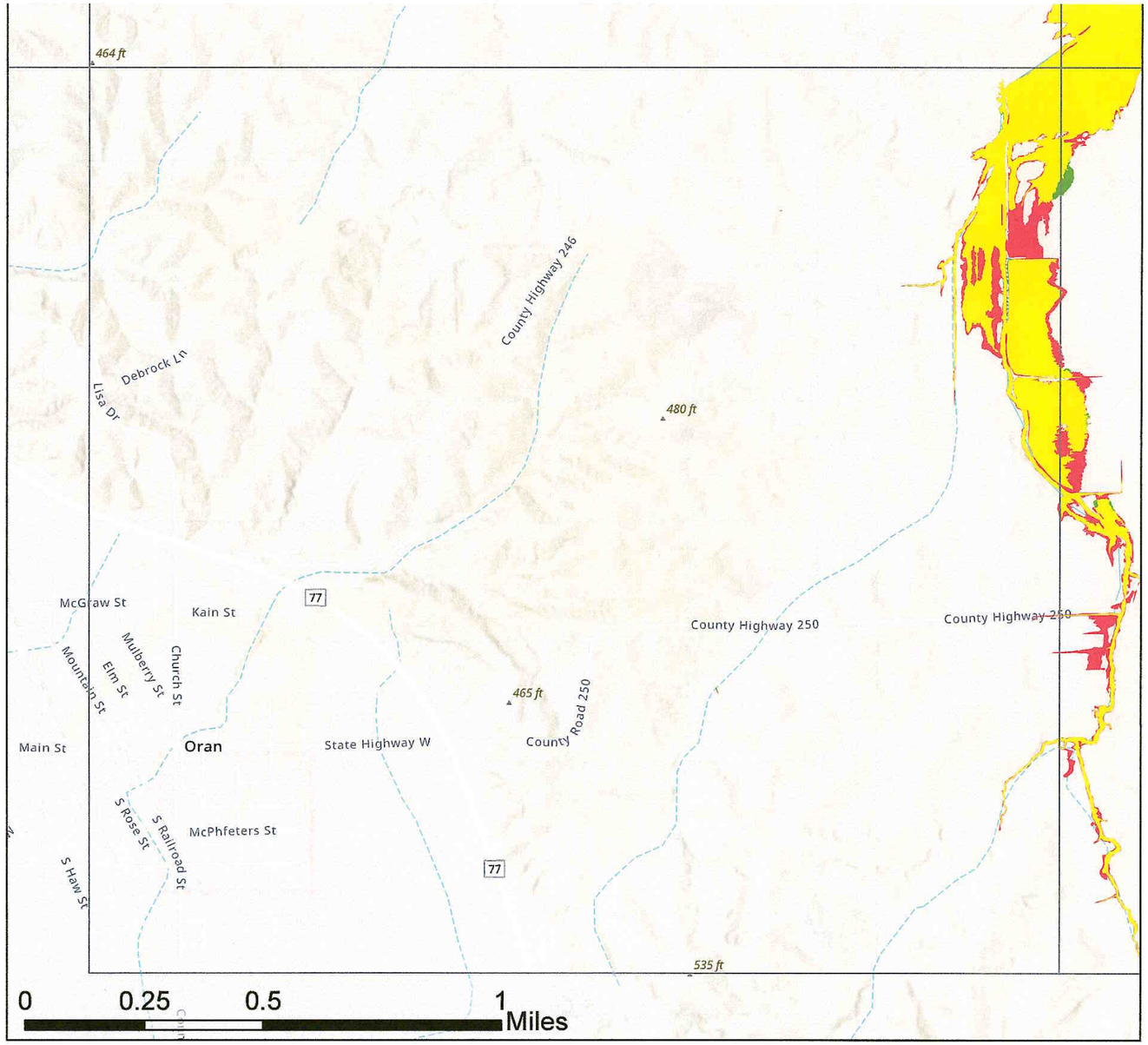
BY: CONSERVATION WORKS JOINT VENTURE

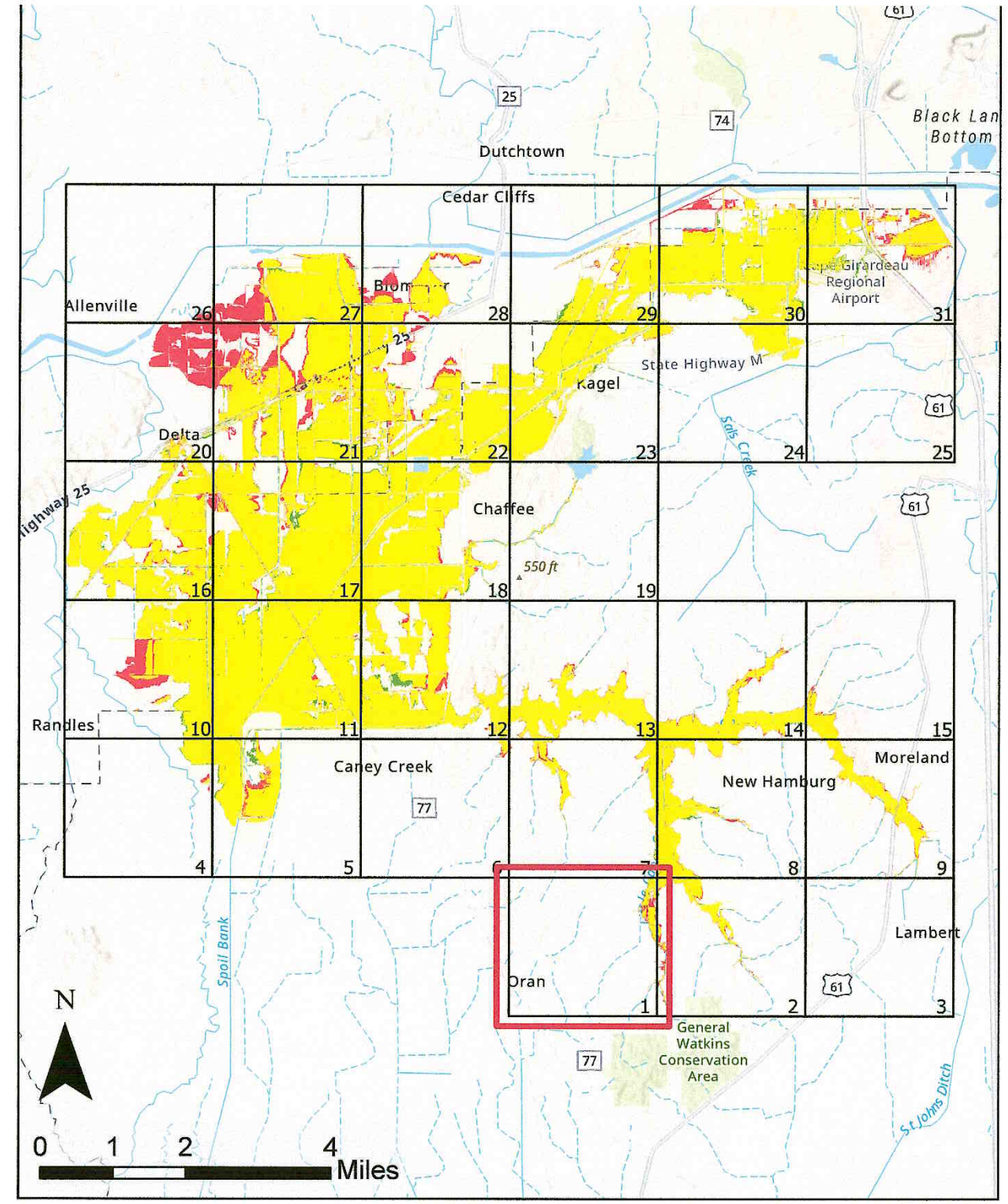
NRCS
United States Department of Agriculture — Natural Resources Conservation Service

PROJECT NO.: 23-600-334-00

SHEET: XS-02

SHEET 09 OF 09





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

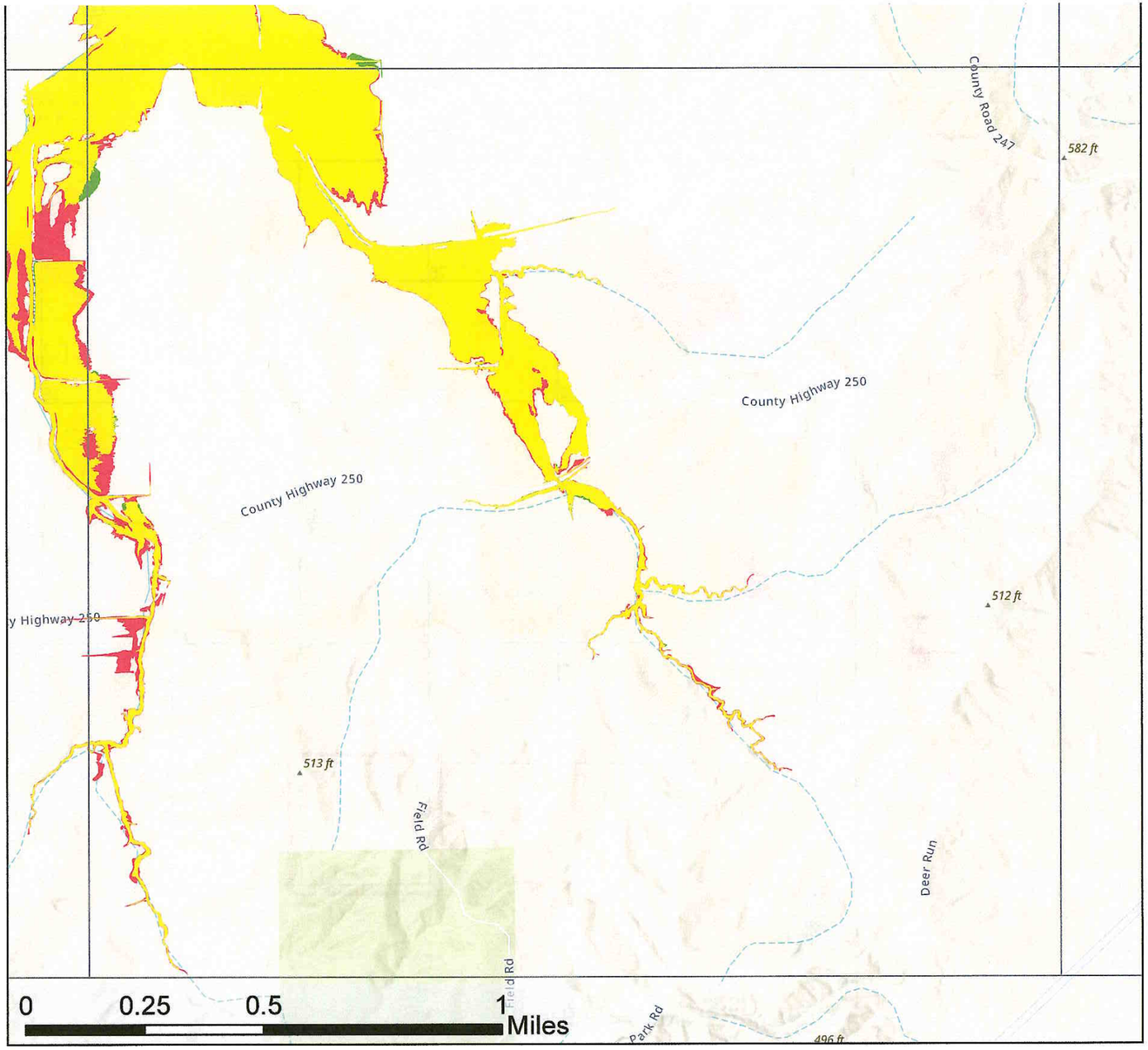
100yr Without Project

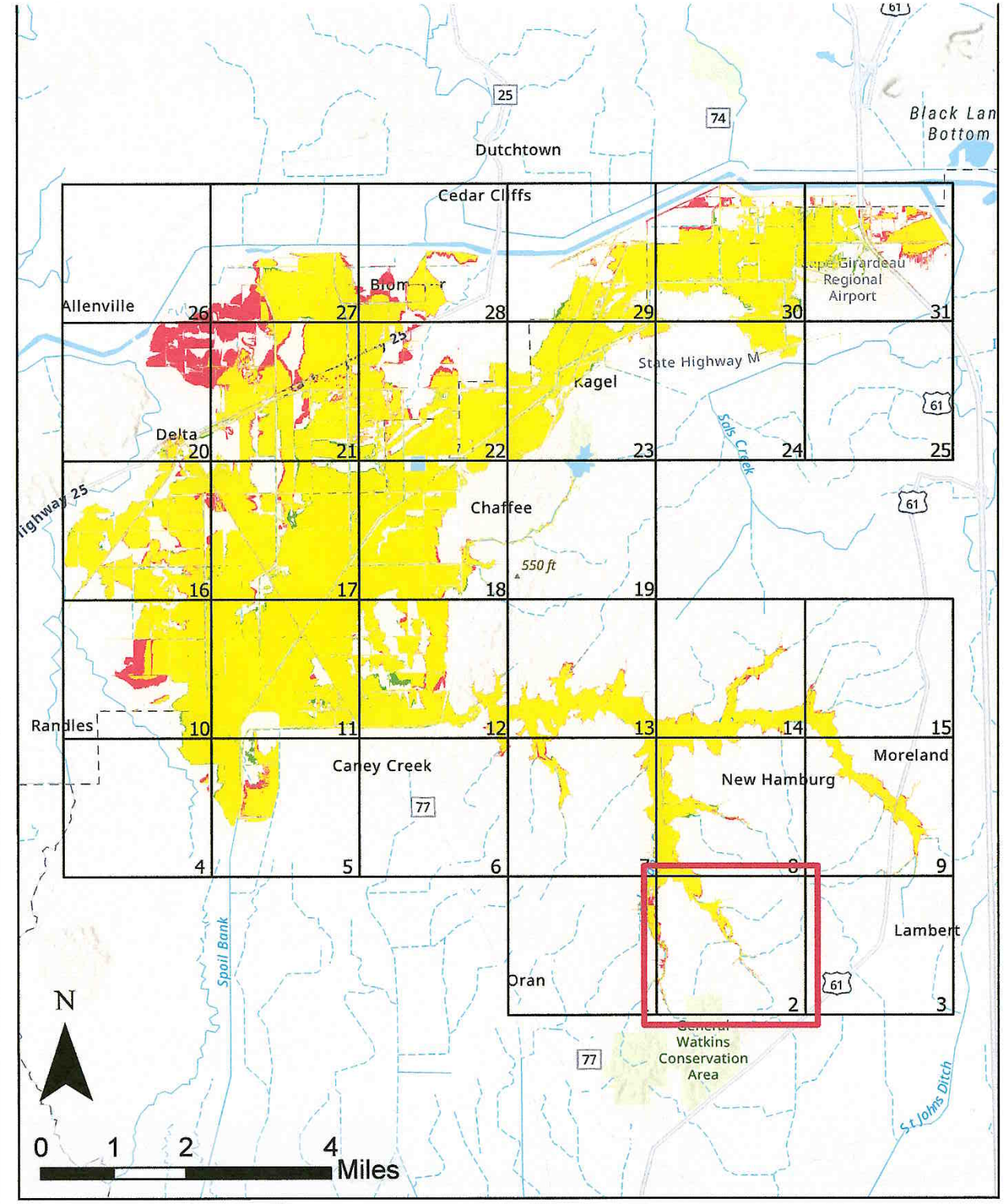
100yr Area of Overlap

Page 1 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

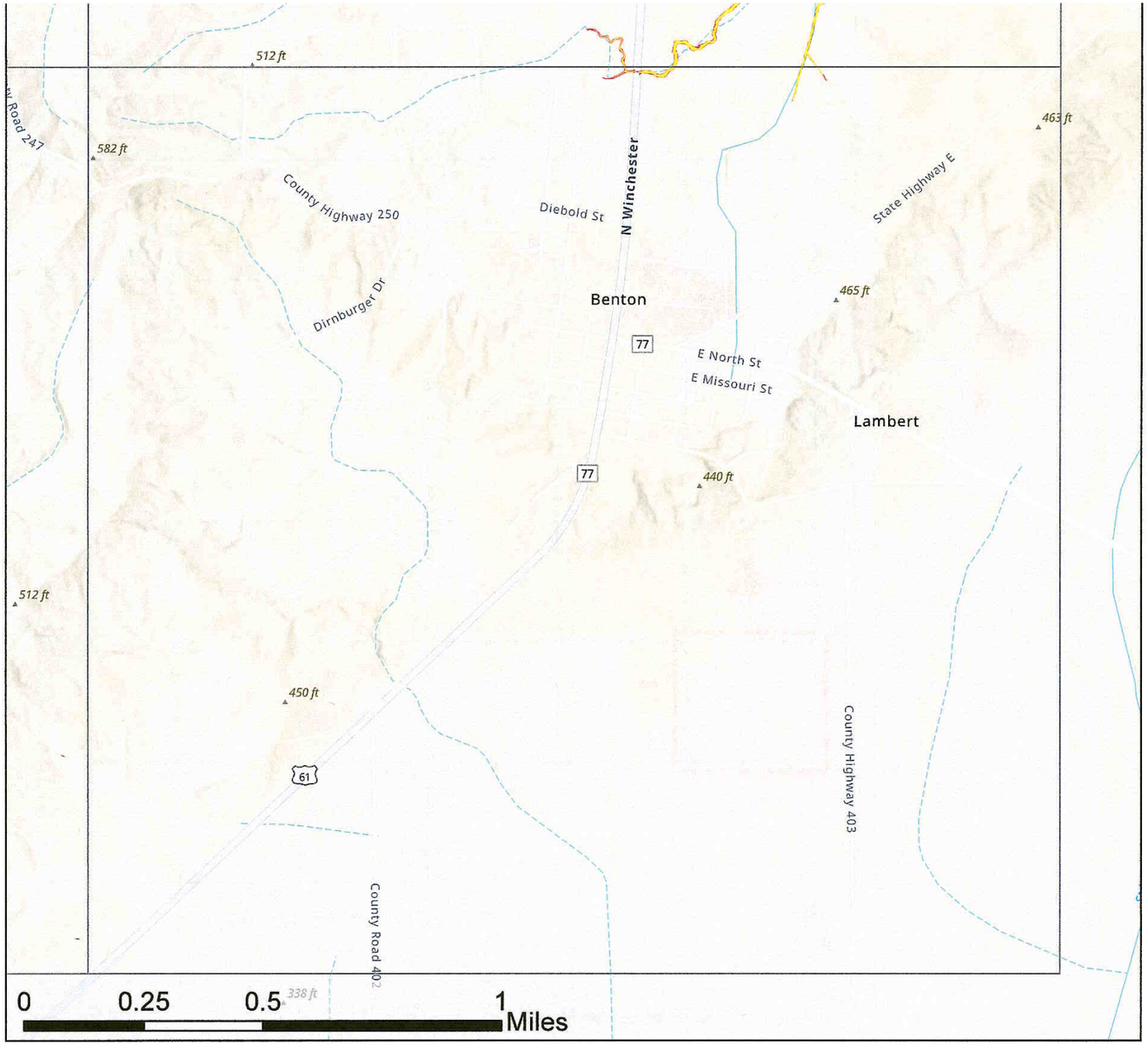
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

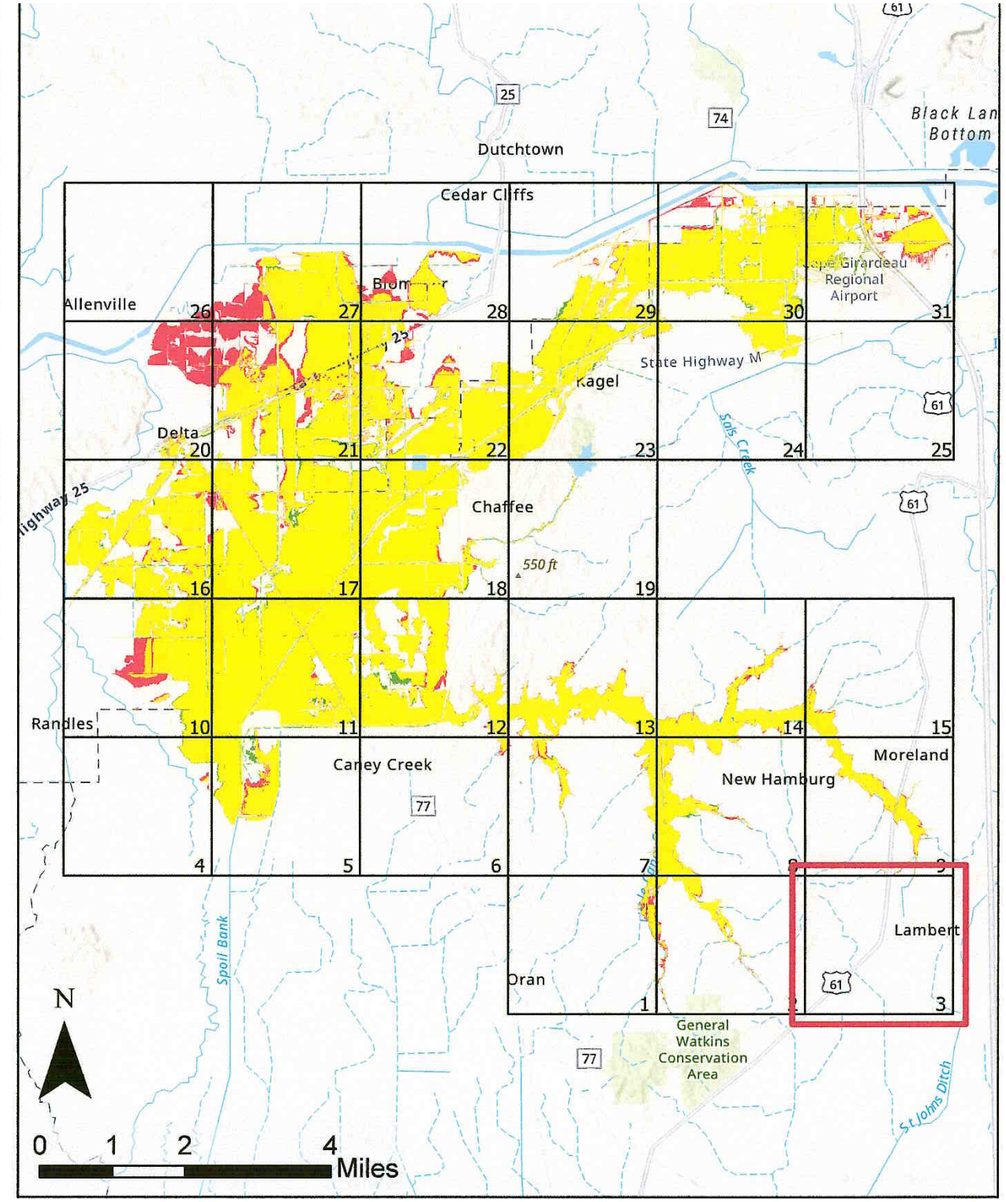
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 2 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

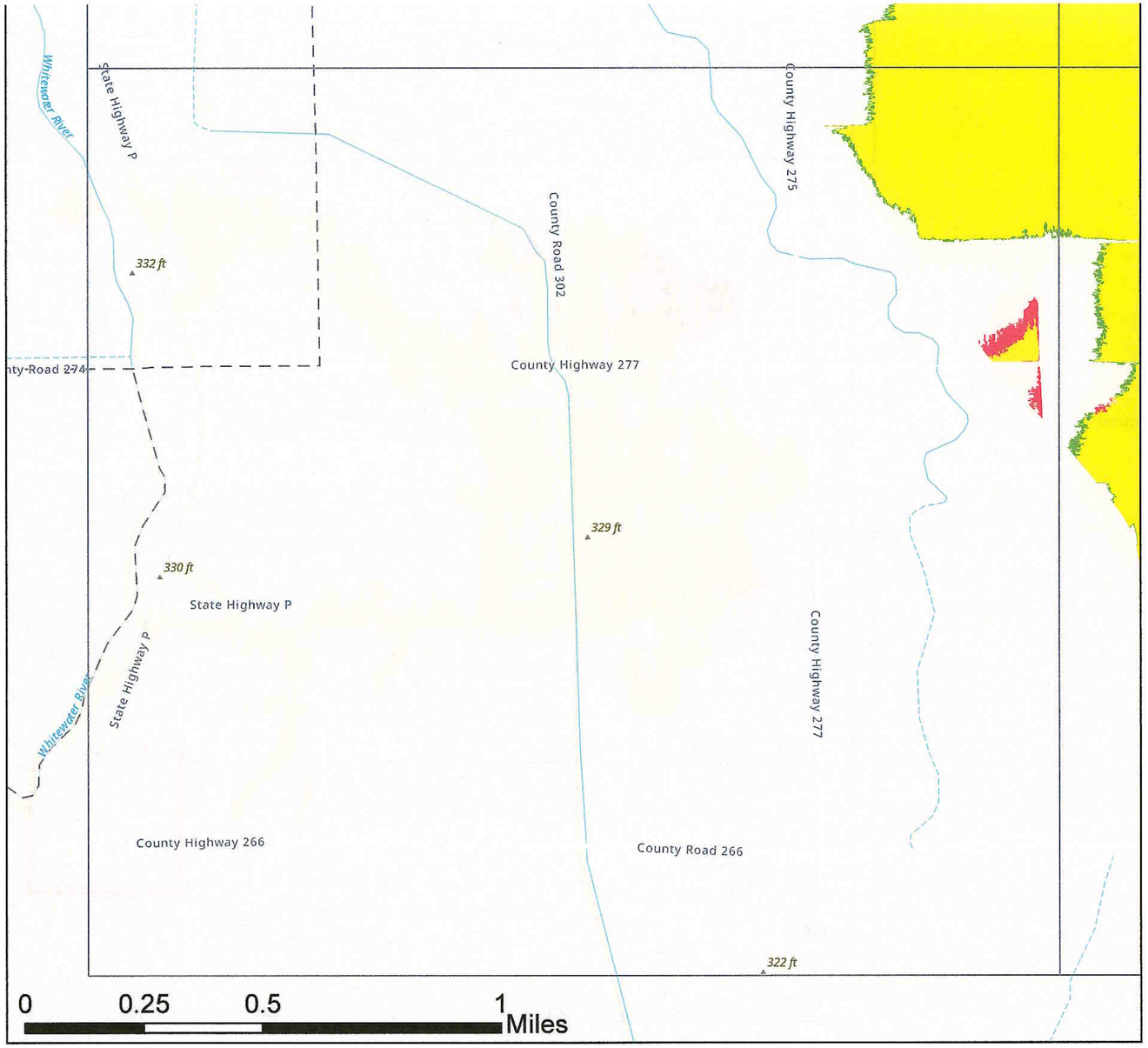
100yr Without Project

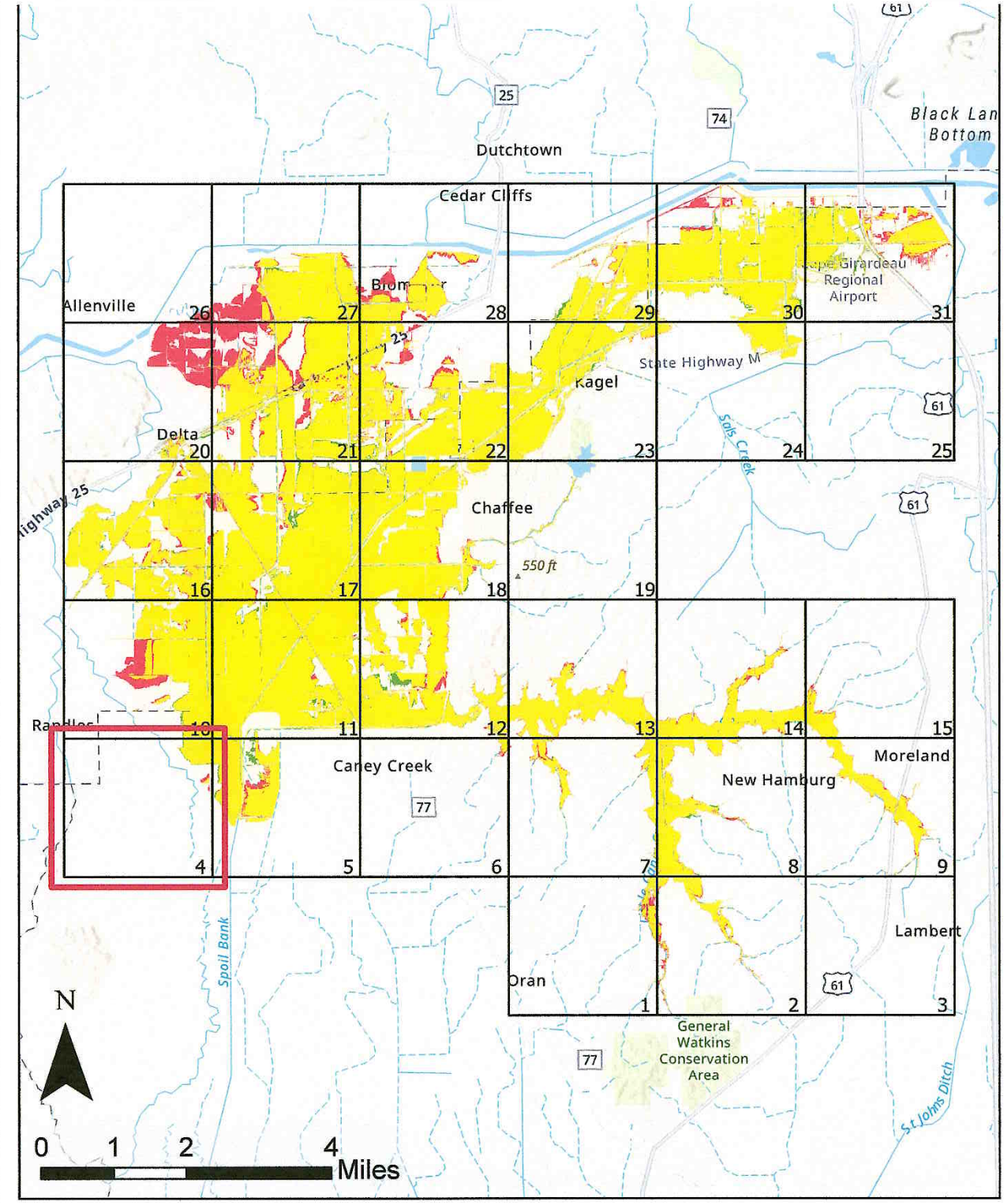
100yr Area of Overlap

Page 3 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

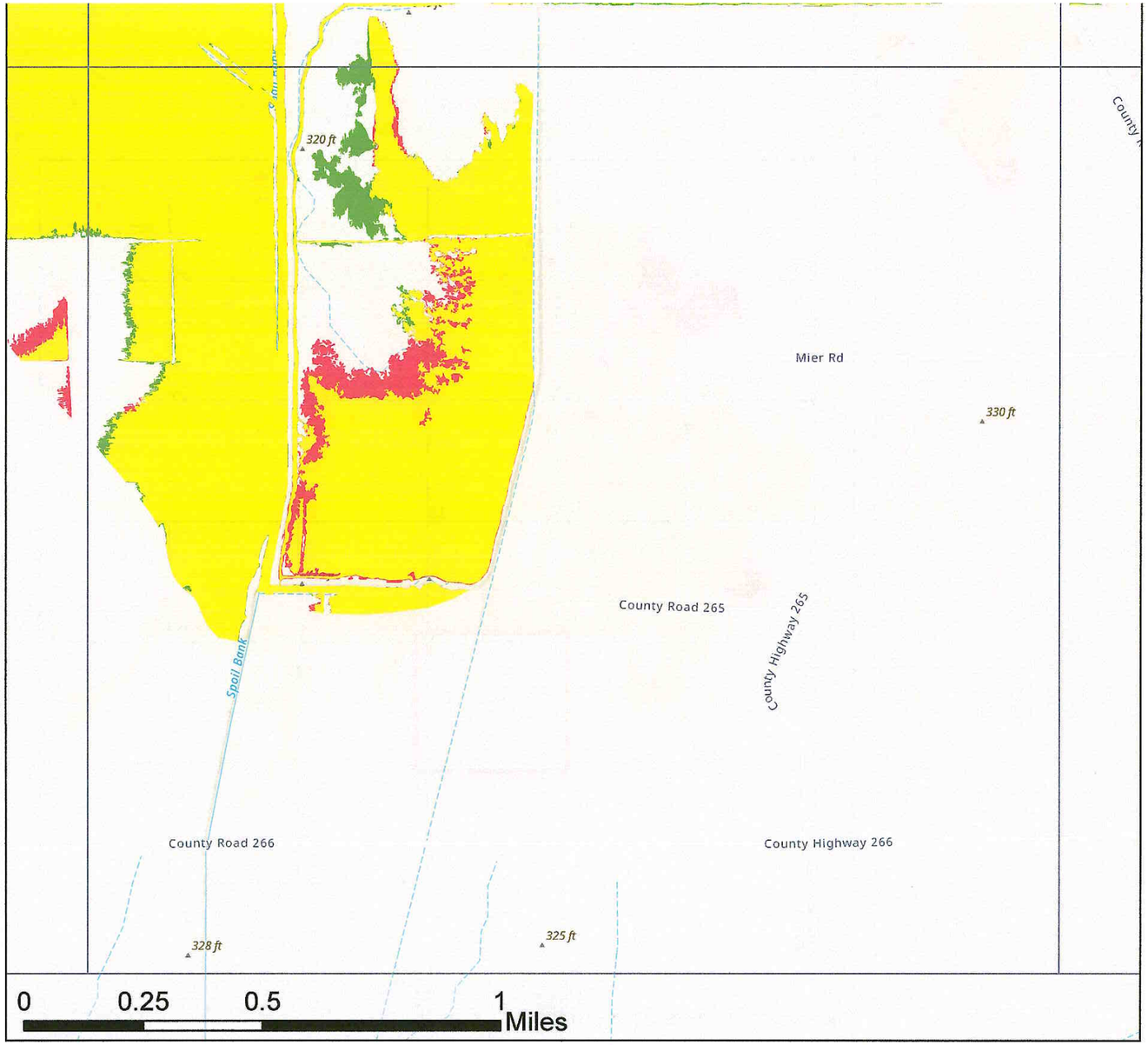
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

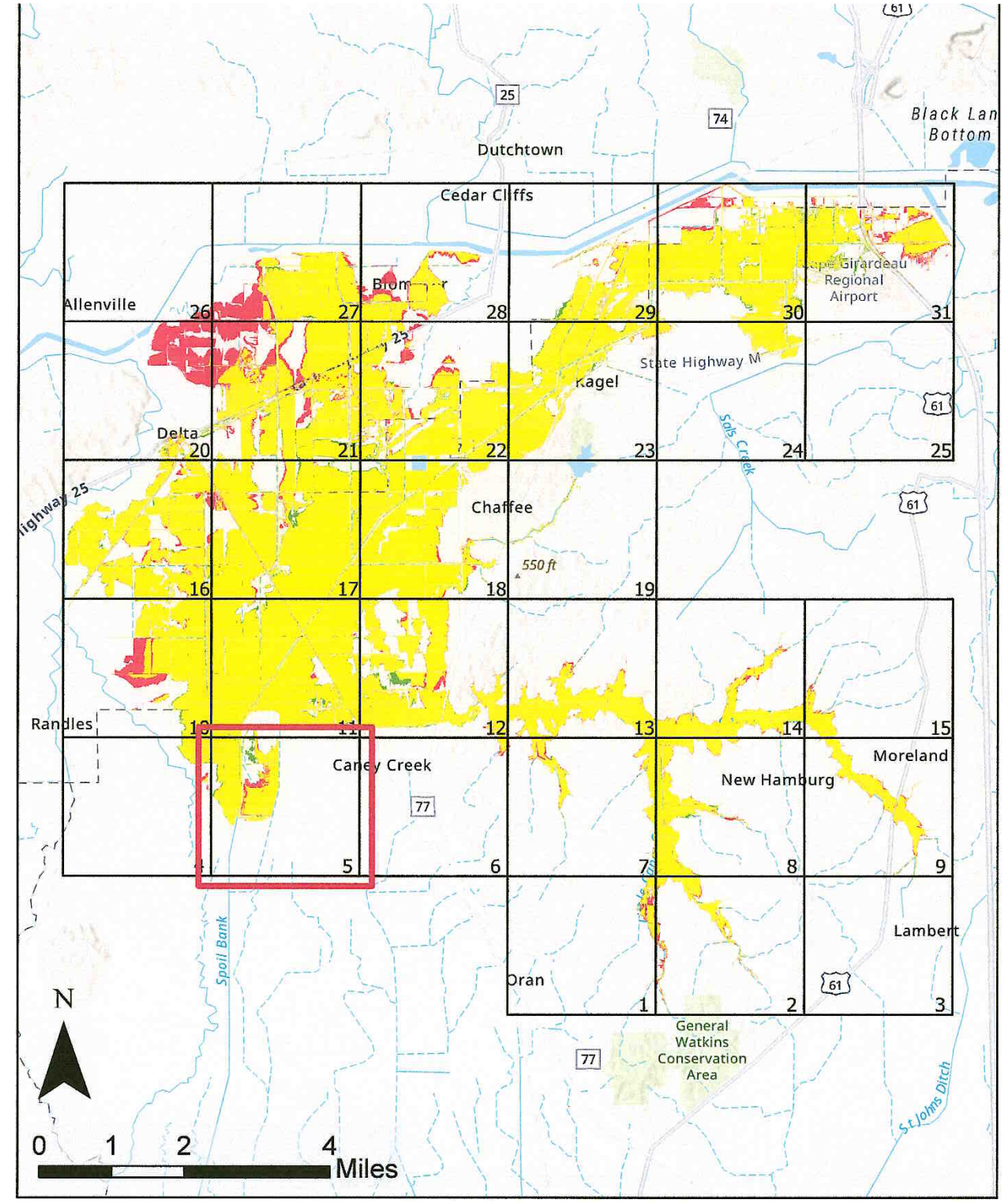
100yr With Project | 100yr Without Project | 100yr Area of Overlap

Page 4 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

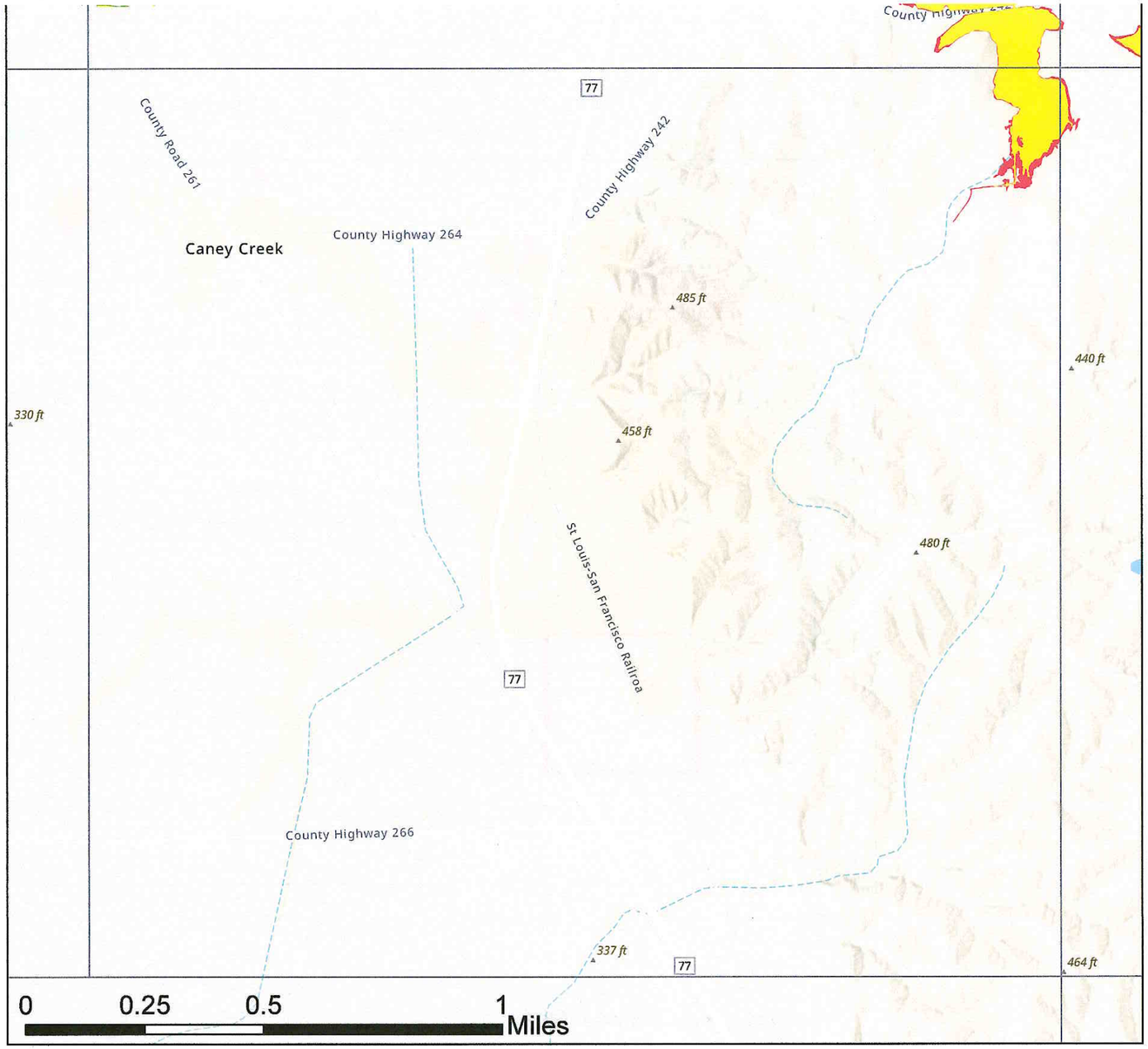
100yr Without Project

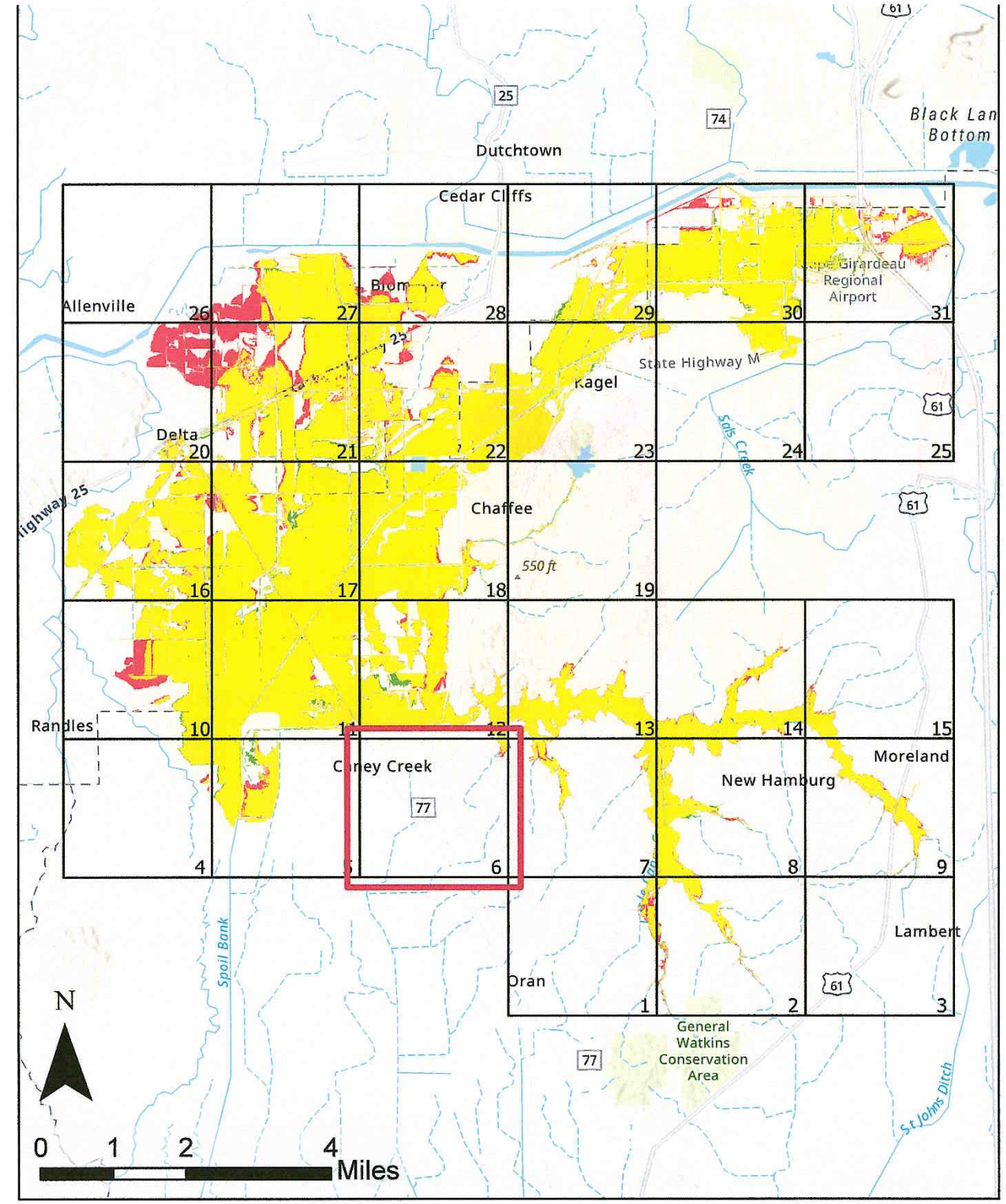
100yr Area of Overlap

Page 5 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

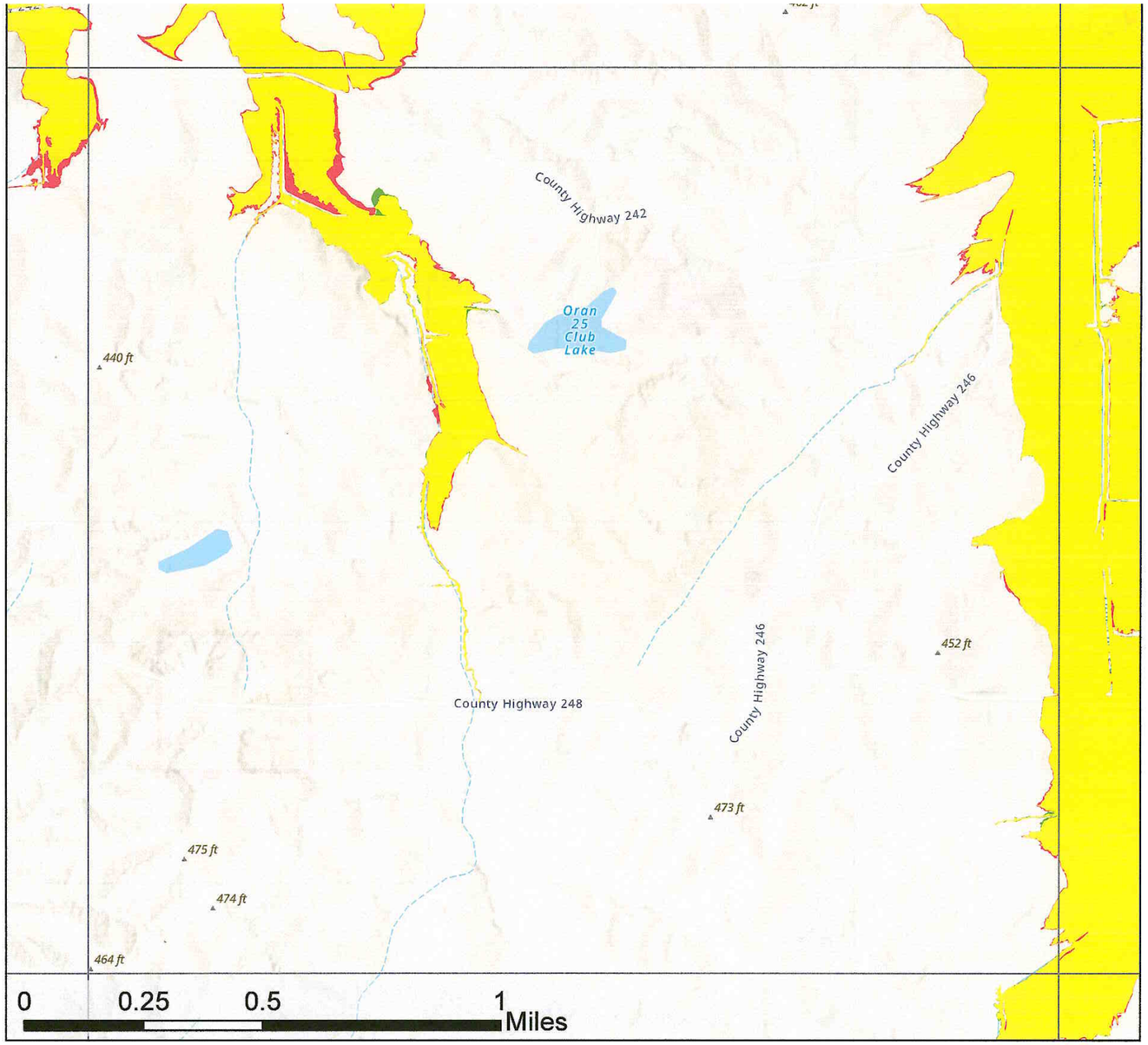
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

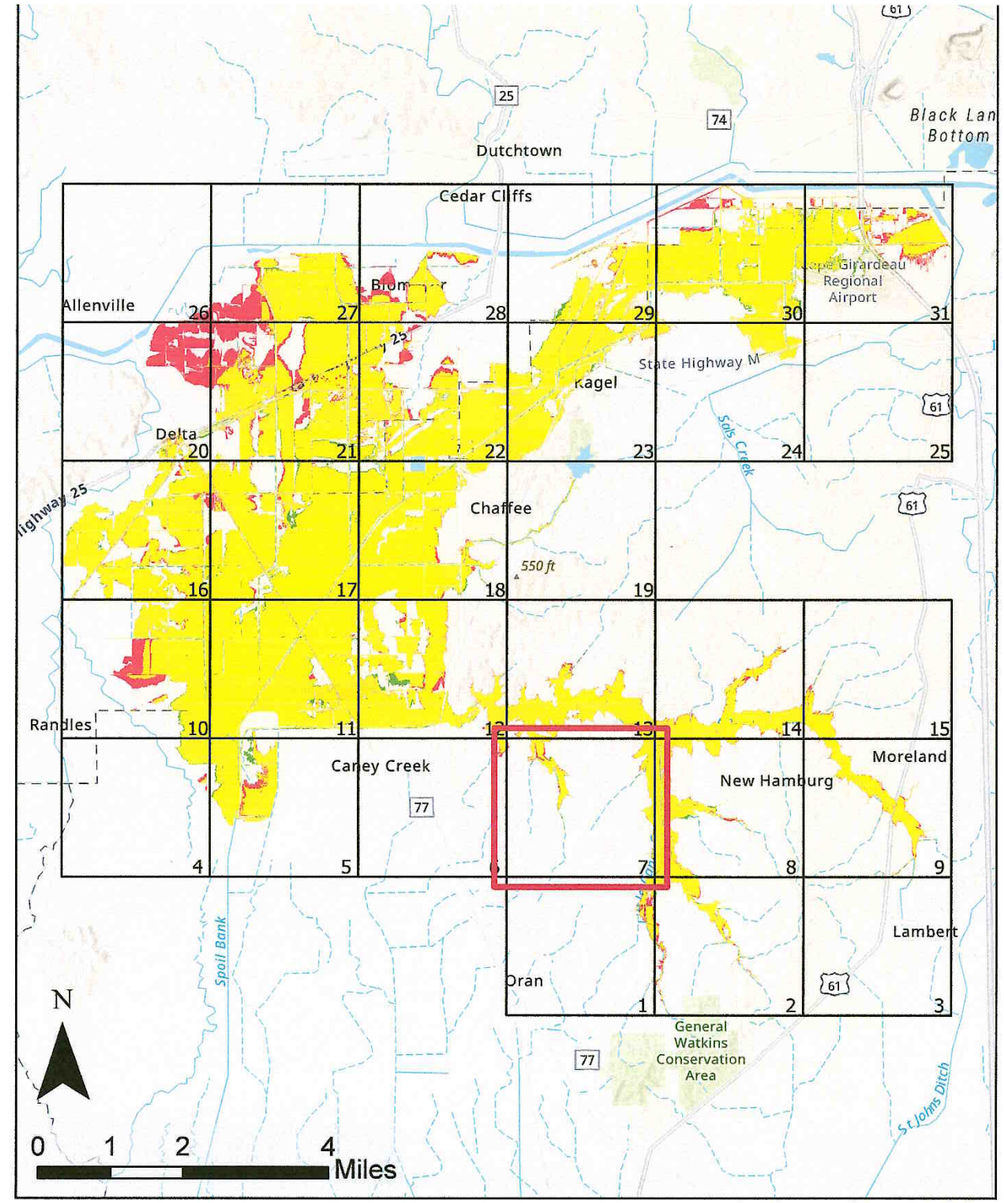
100yr With Project | 100yr Without Project | 100yr Area of Overlap

Page 6 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

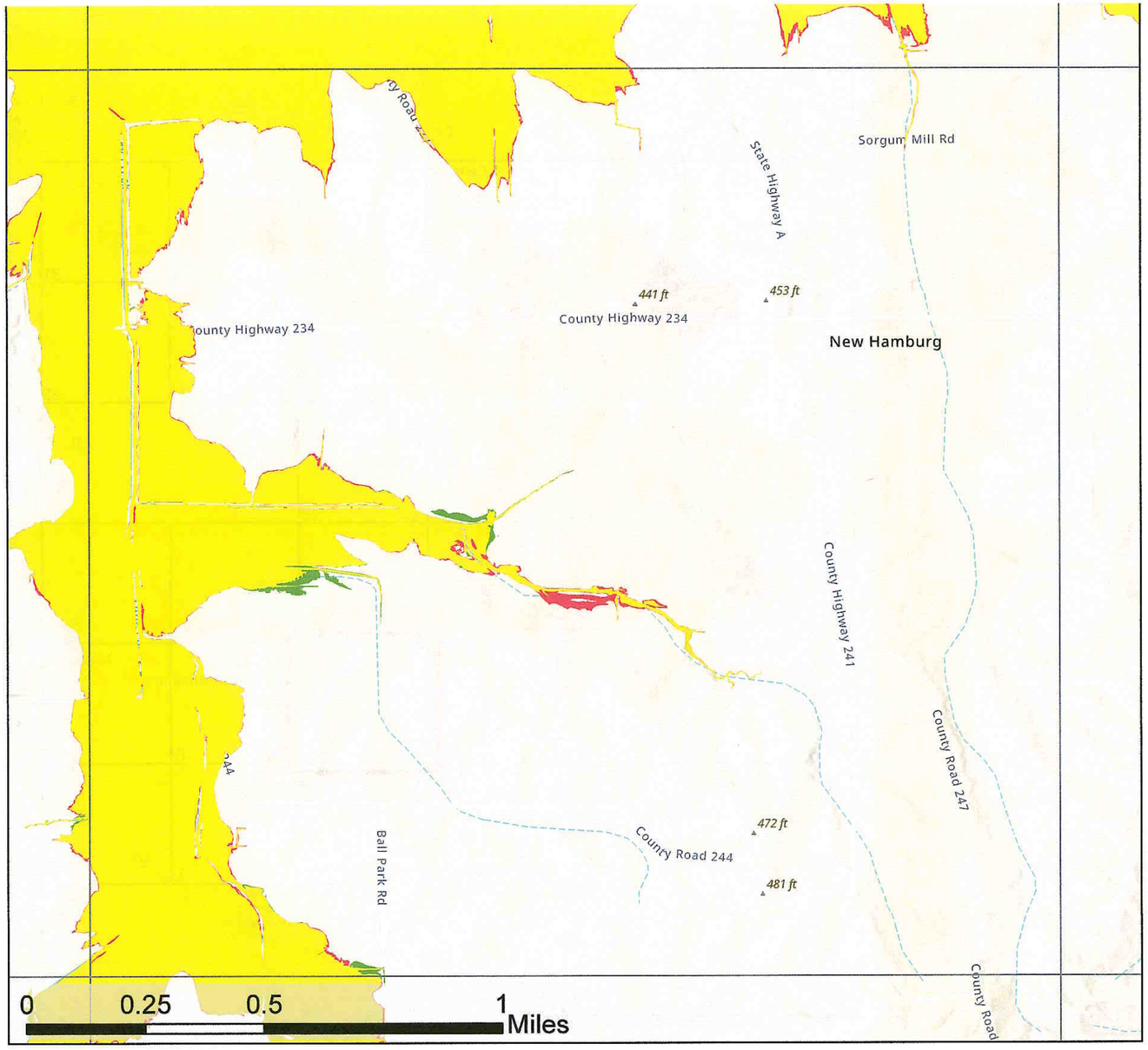
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

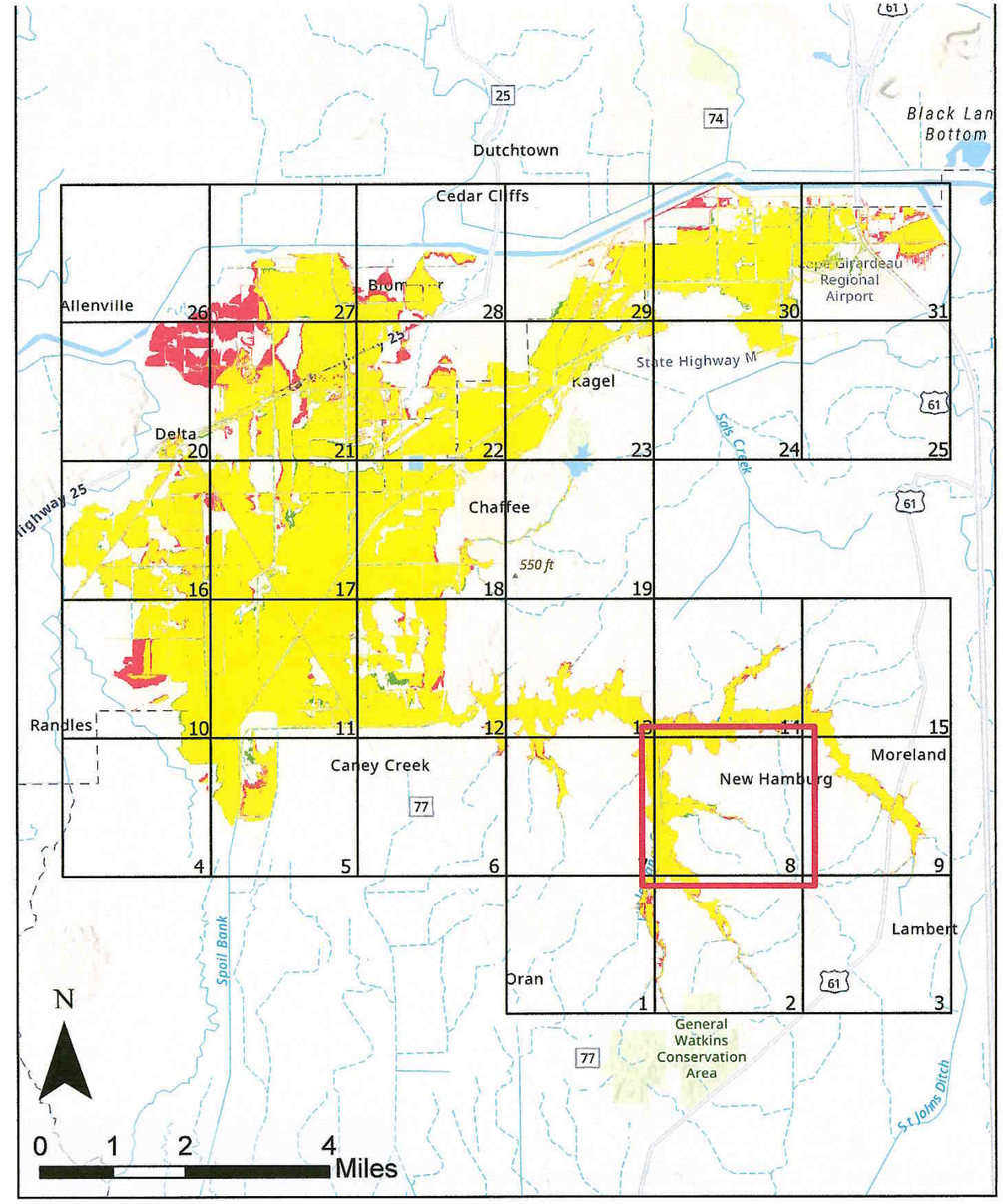
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 7 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

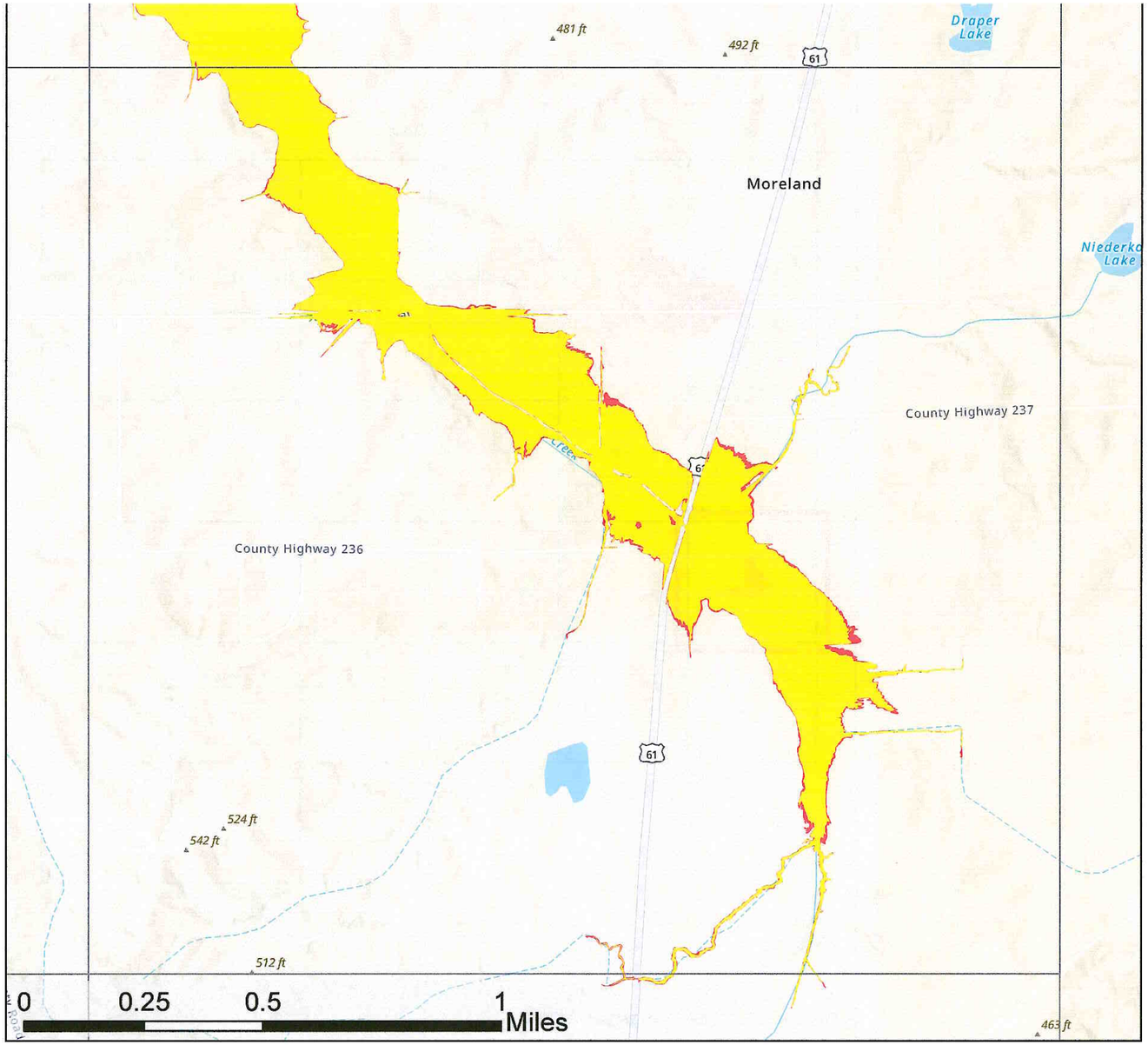
100yr Without Project

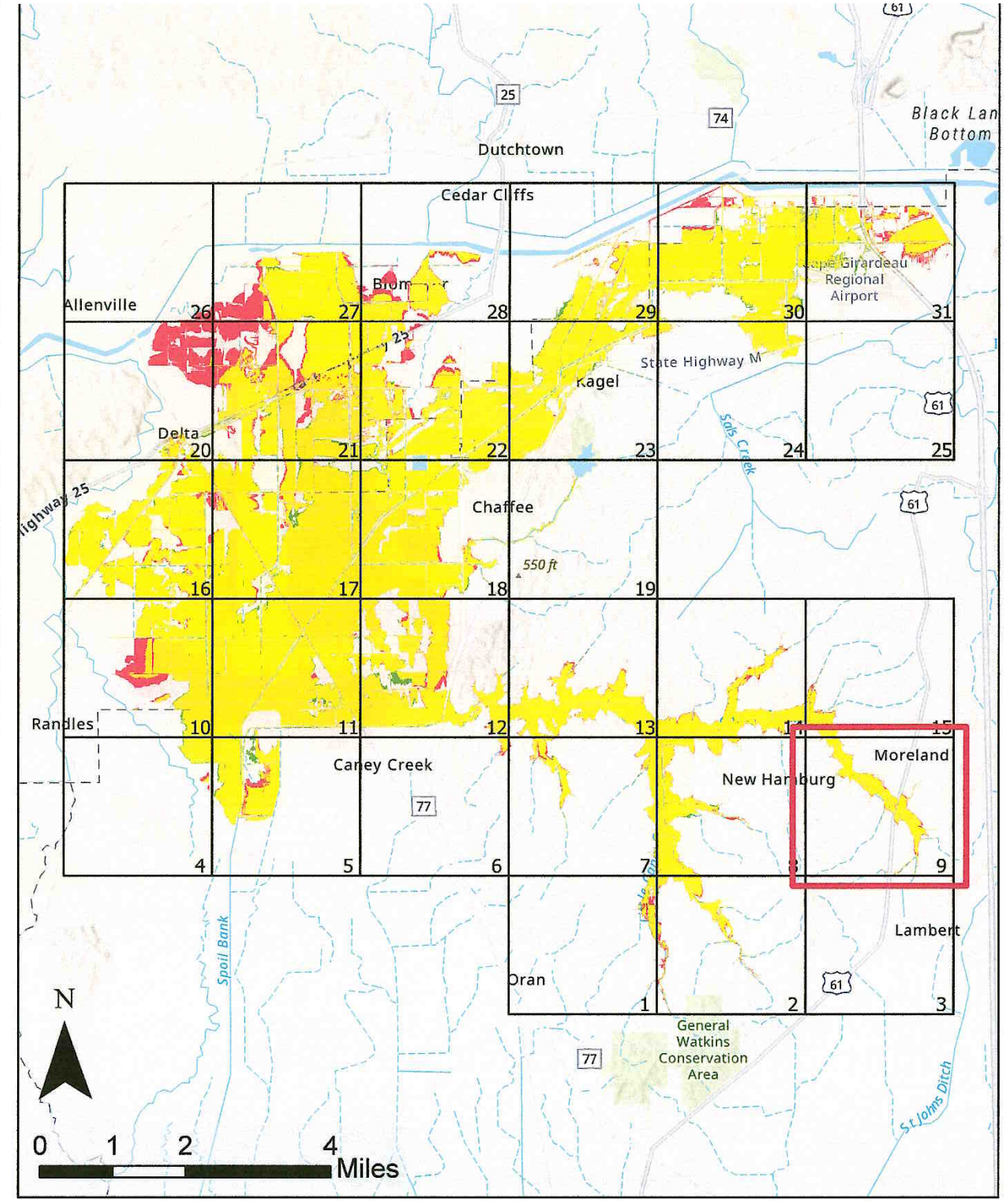
100yr Area of Overlap

Page 8 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

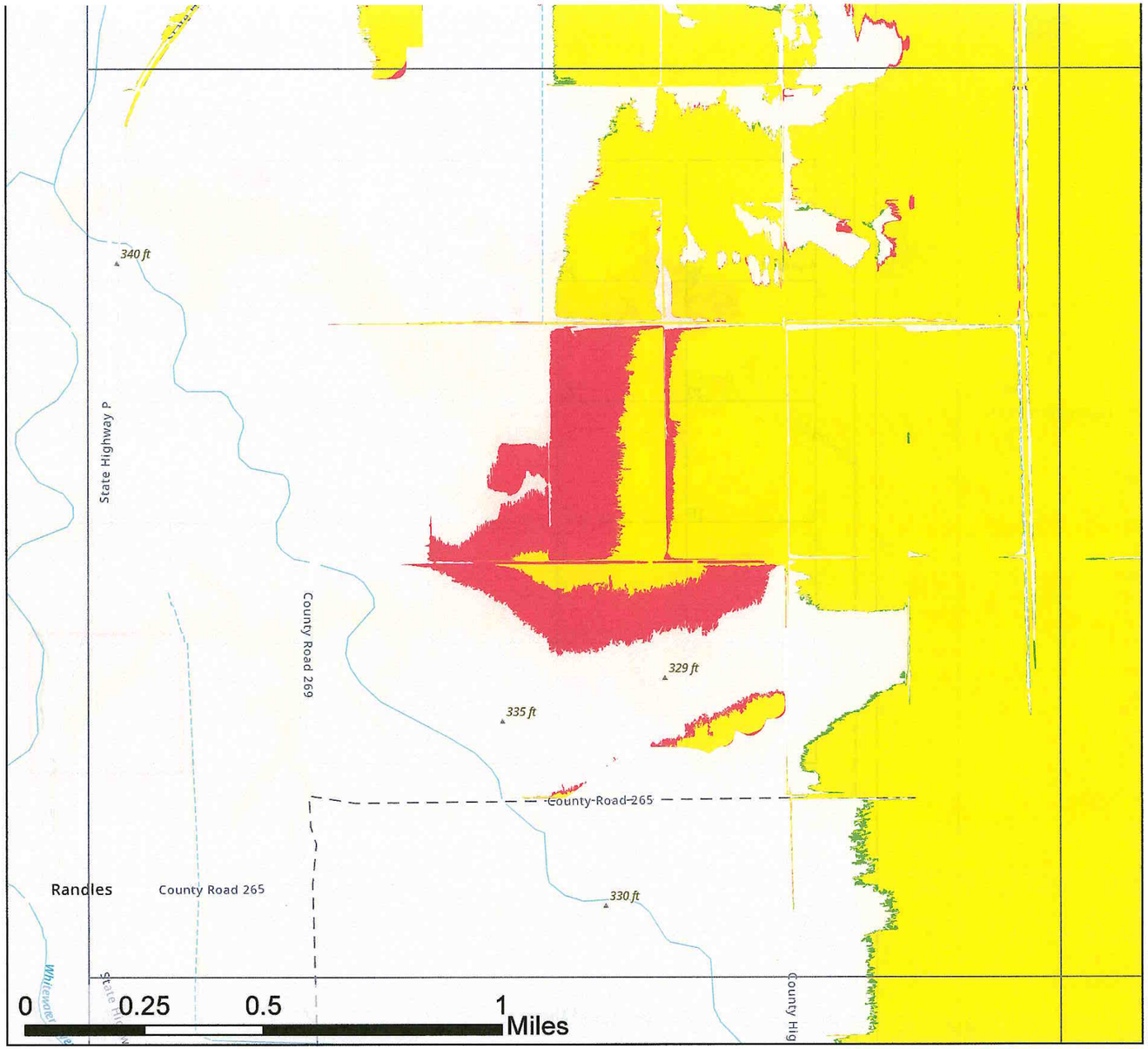
100yr Without Project

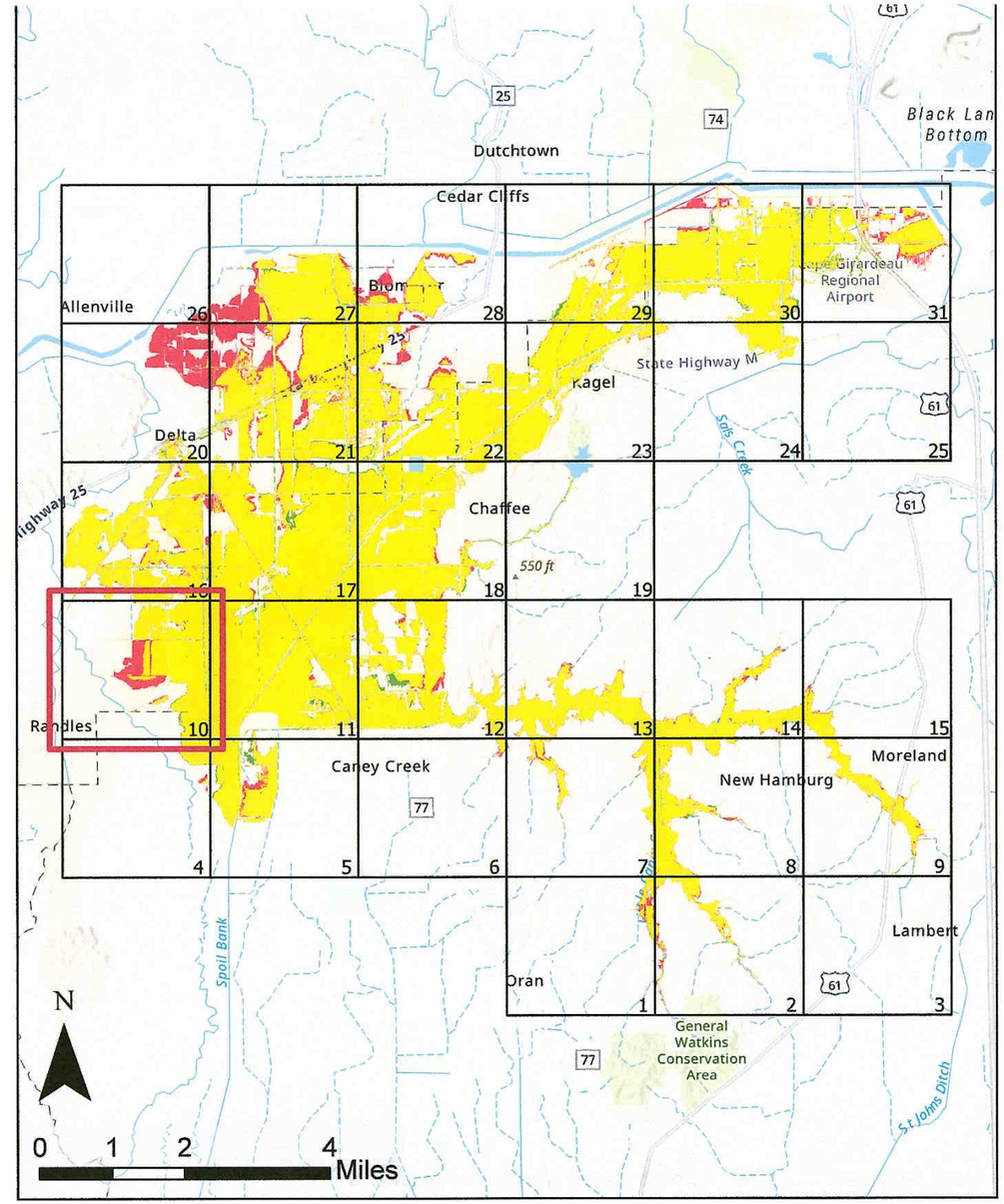
100yr Area of Overlap

Page 9 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

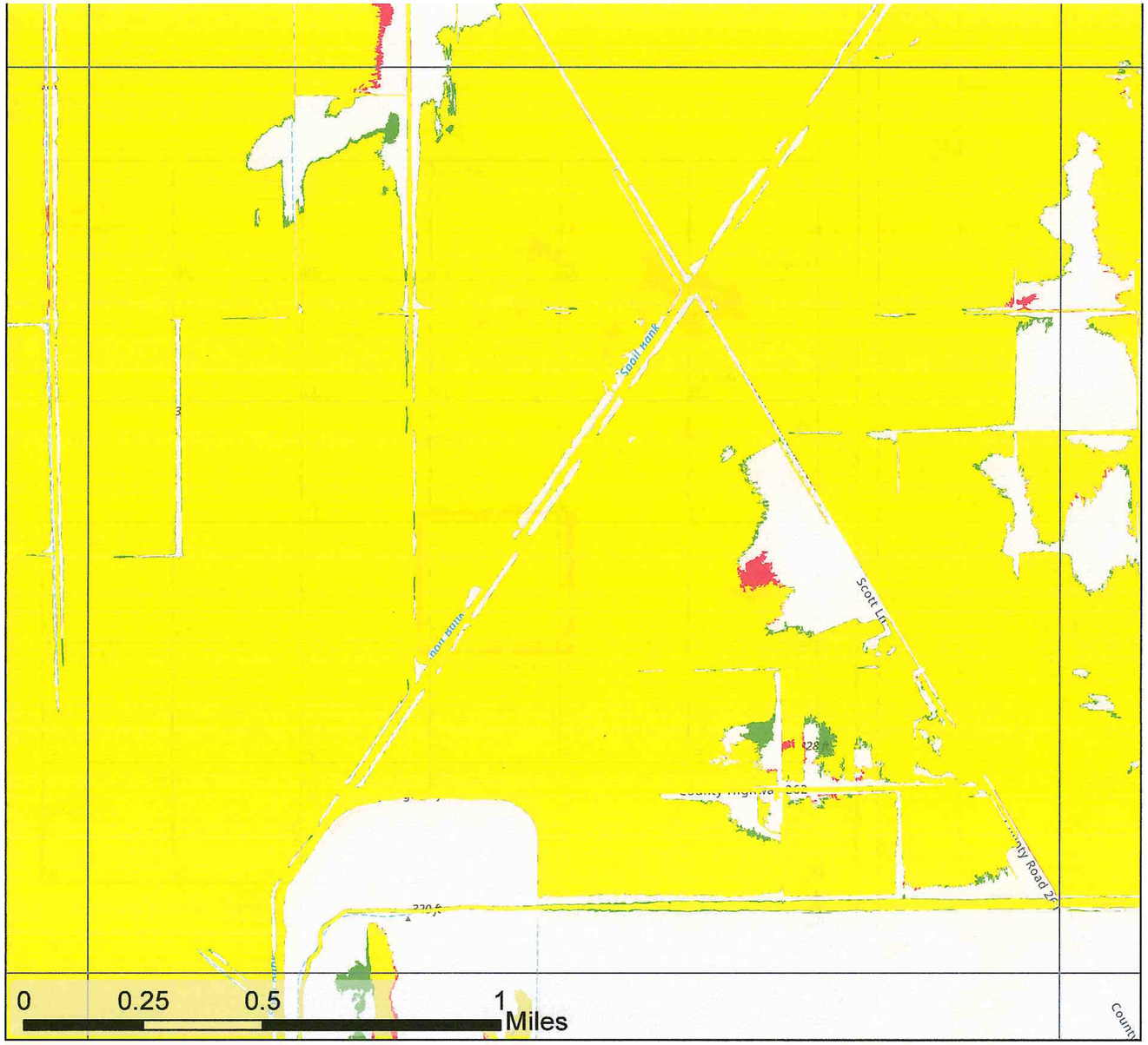
100yr Without Project

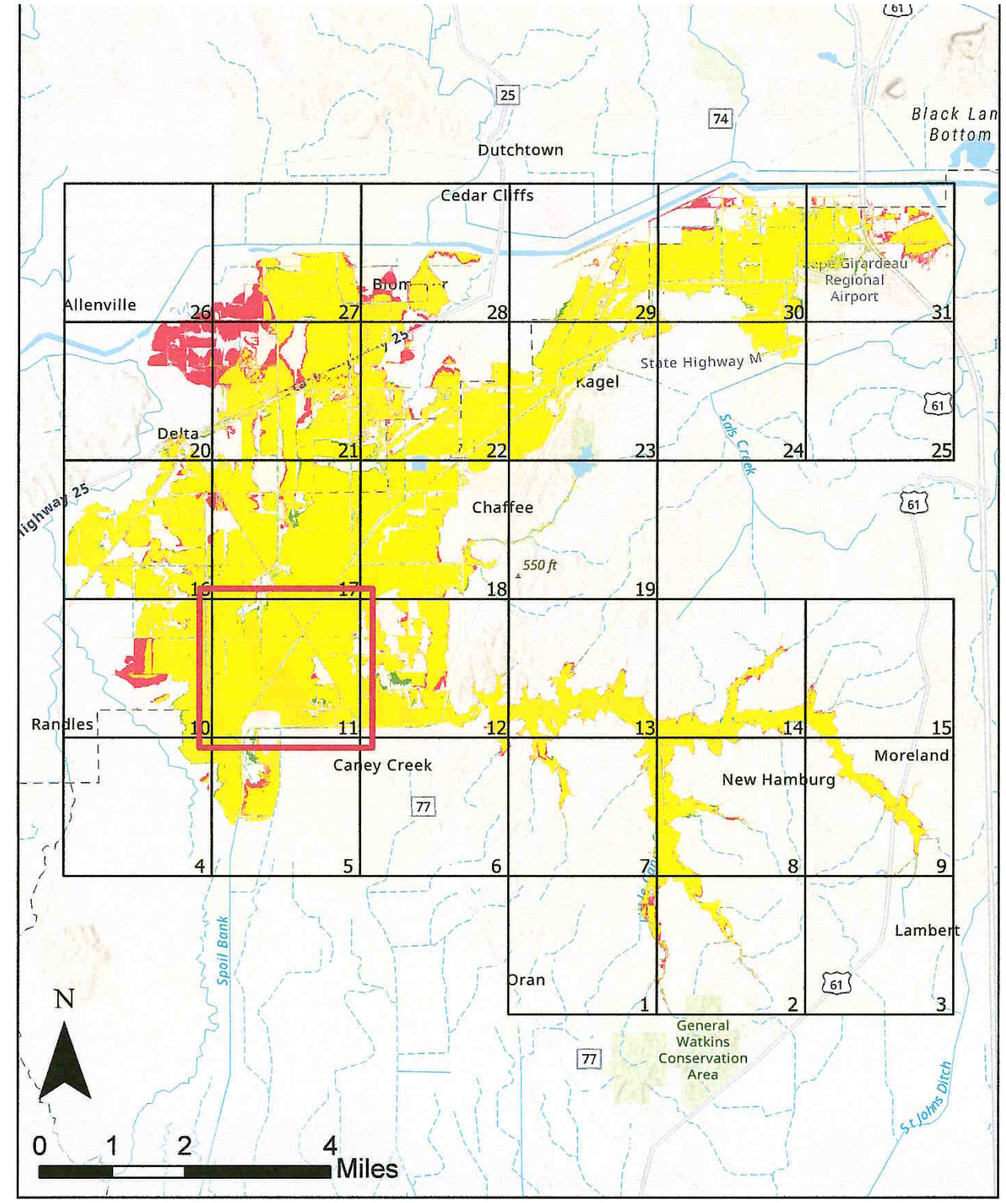
100yr Area of Overlap

Page 10 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

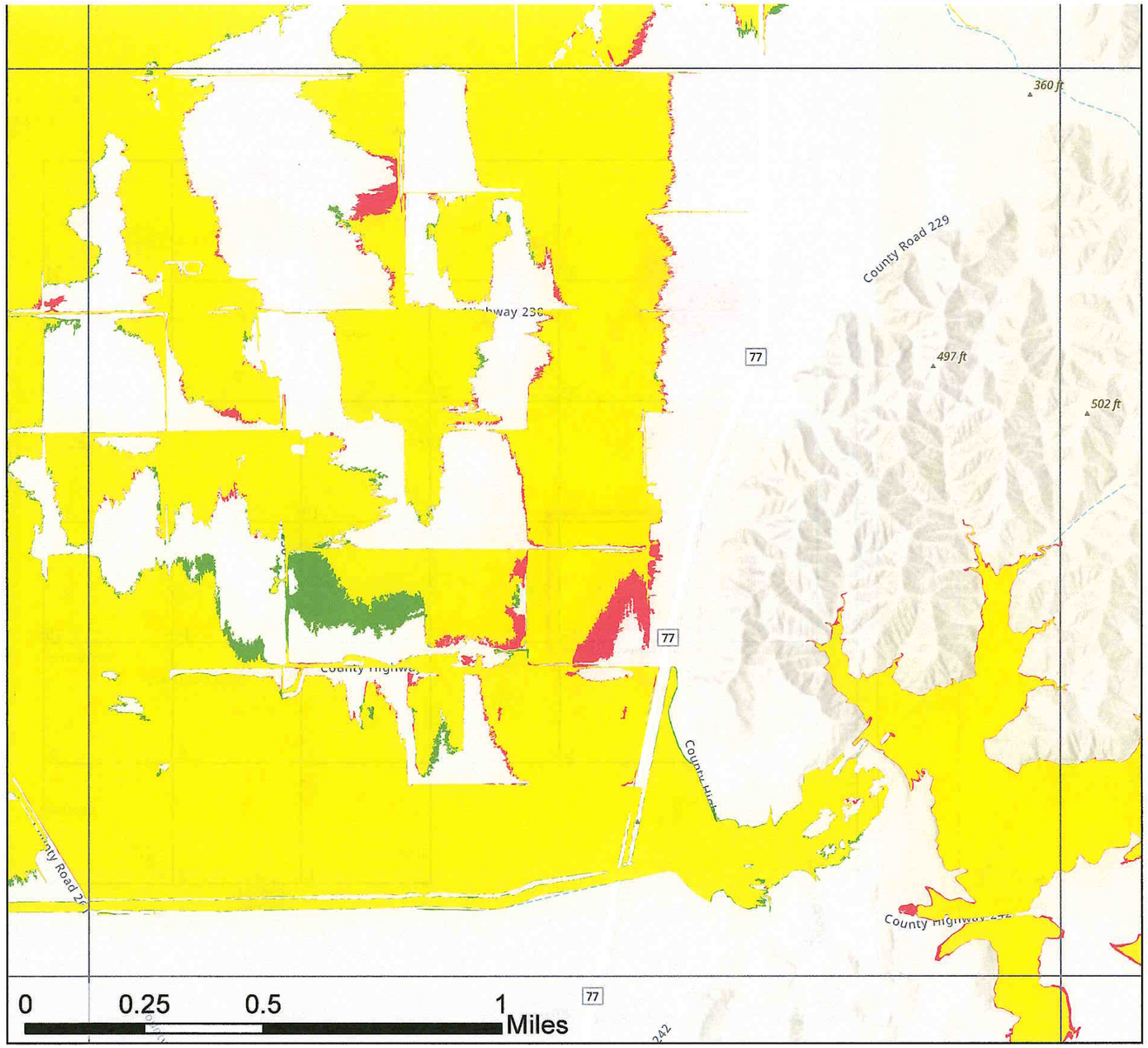
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

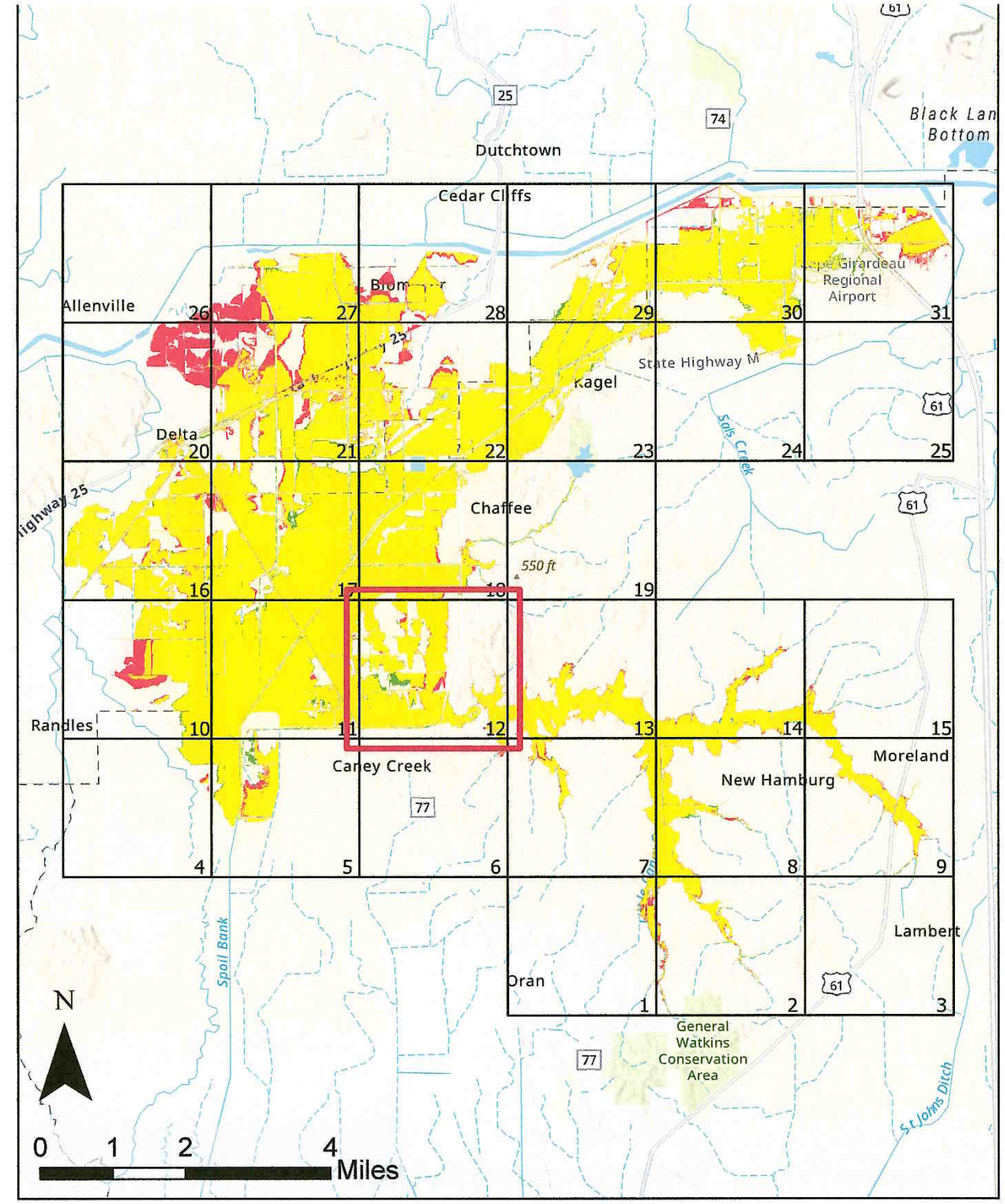
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 11 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

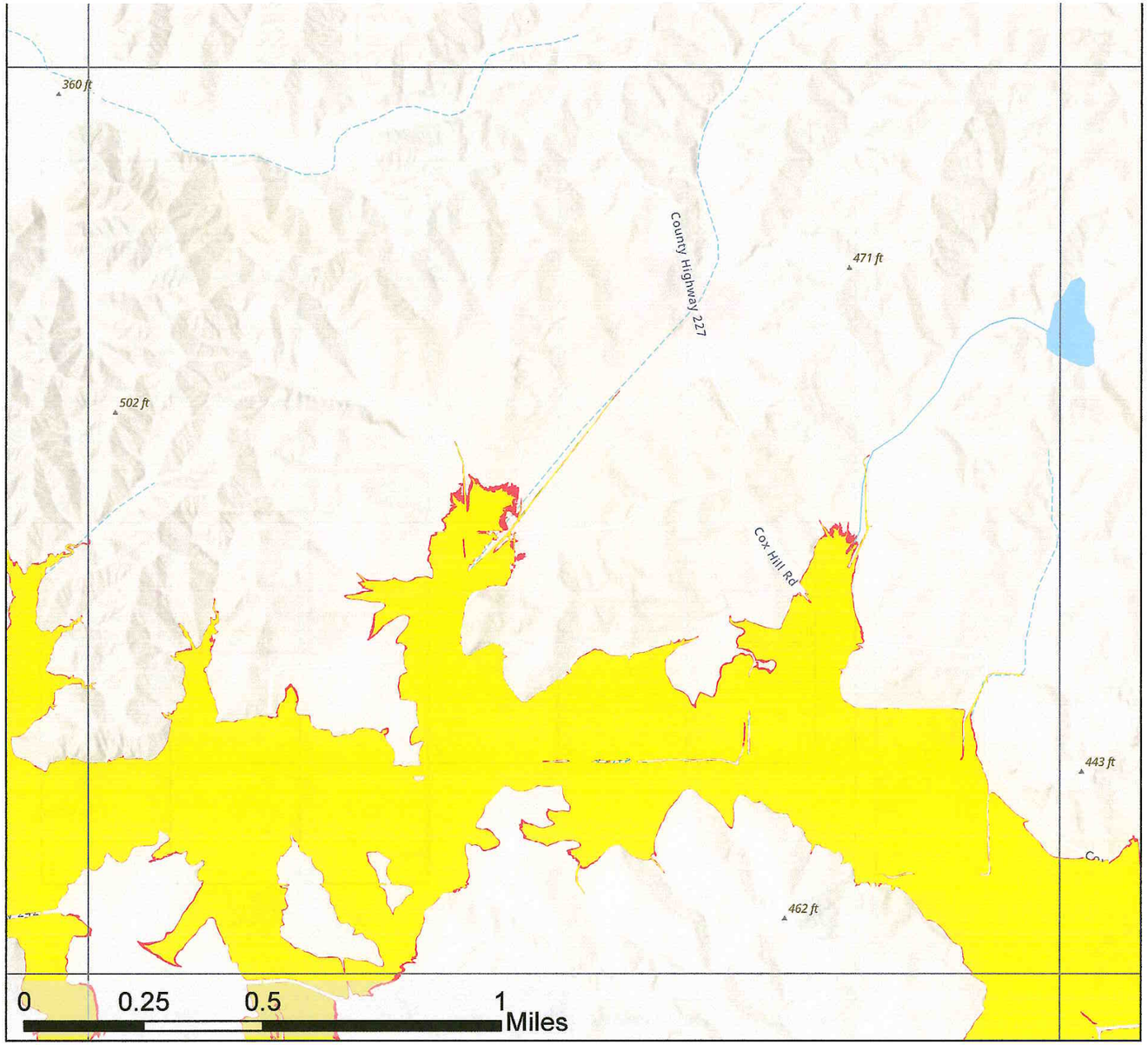
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

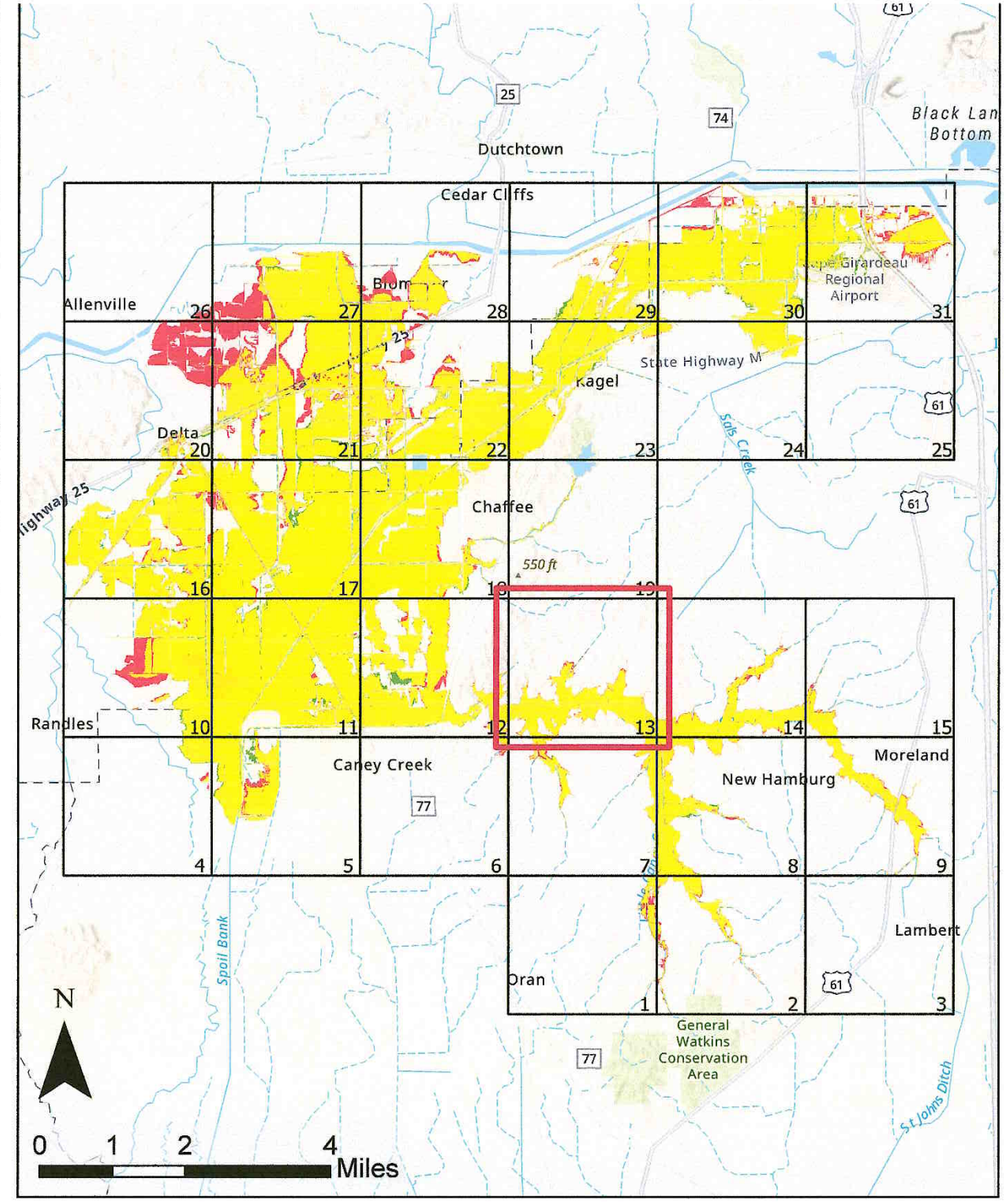
100yr With Project | 100yr Without Project | 100yr Area of Overlap

Page 12 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

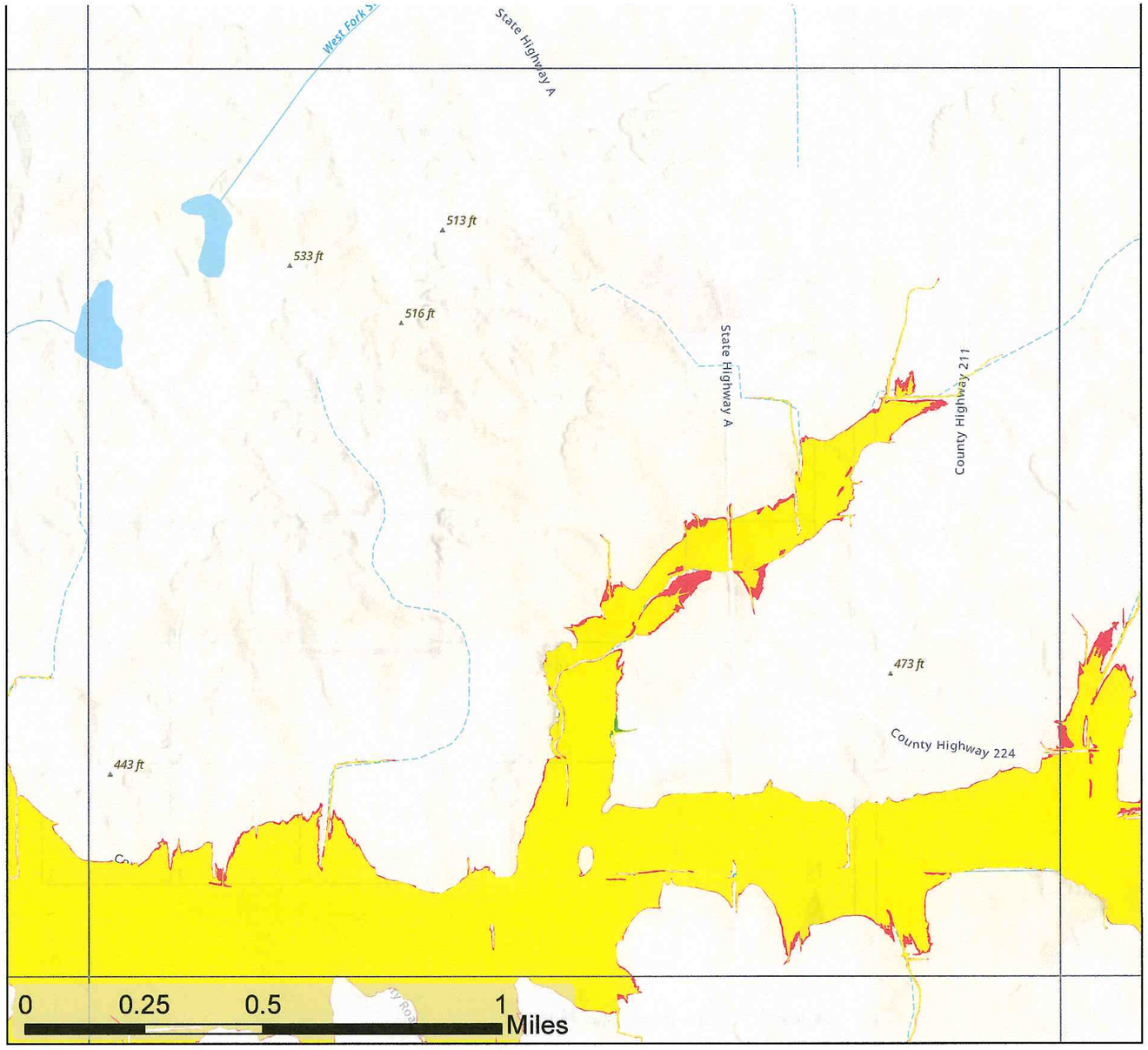
100yr Without Project

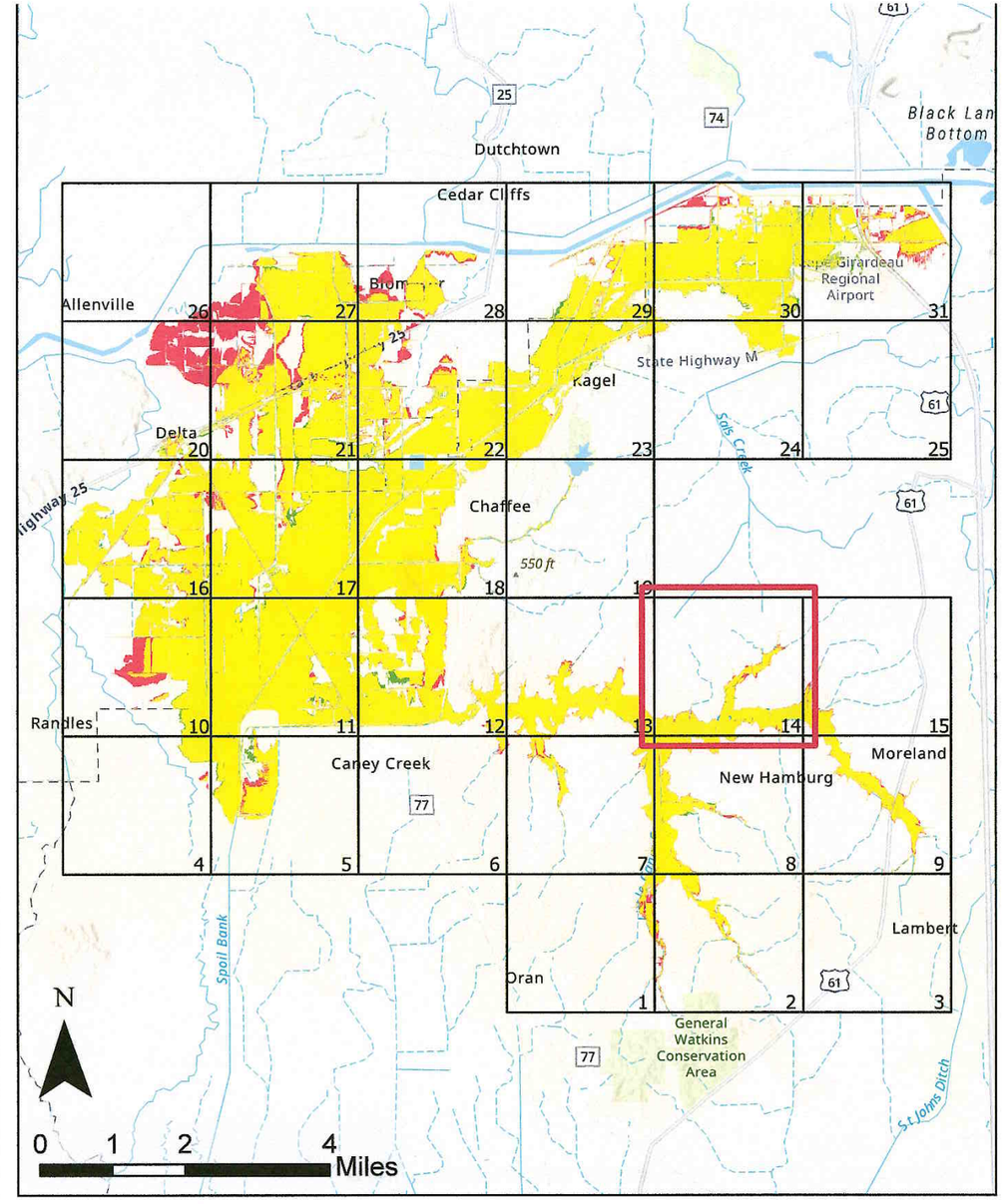
100yr Area of Overlap

Page 13 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

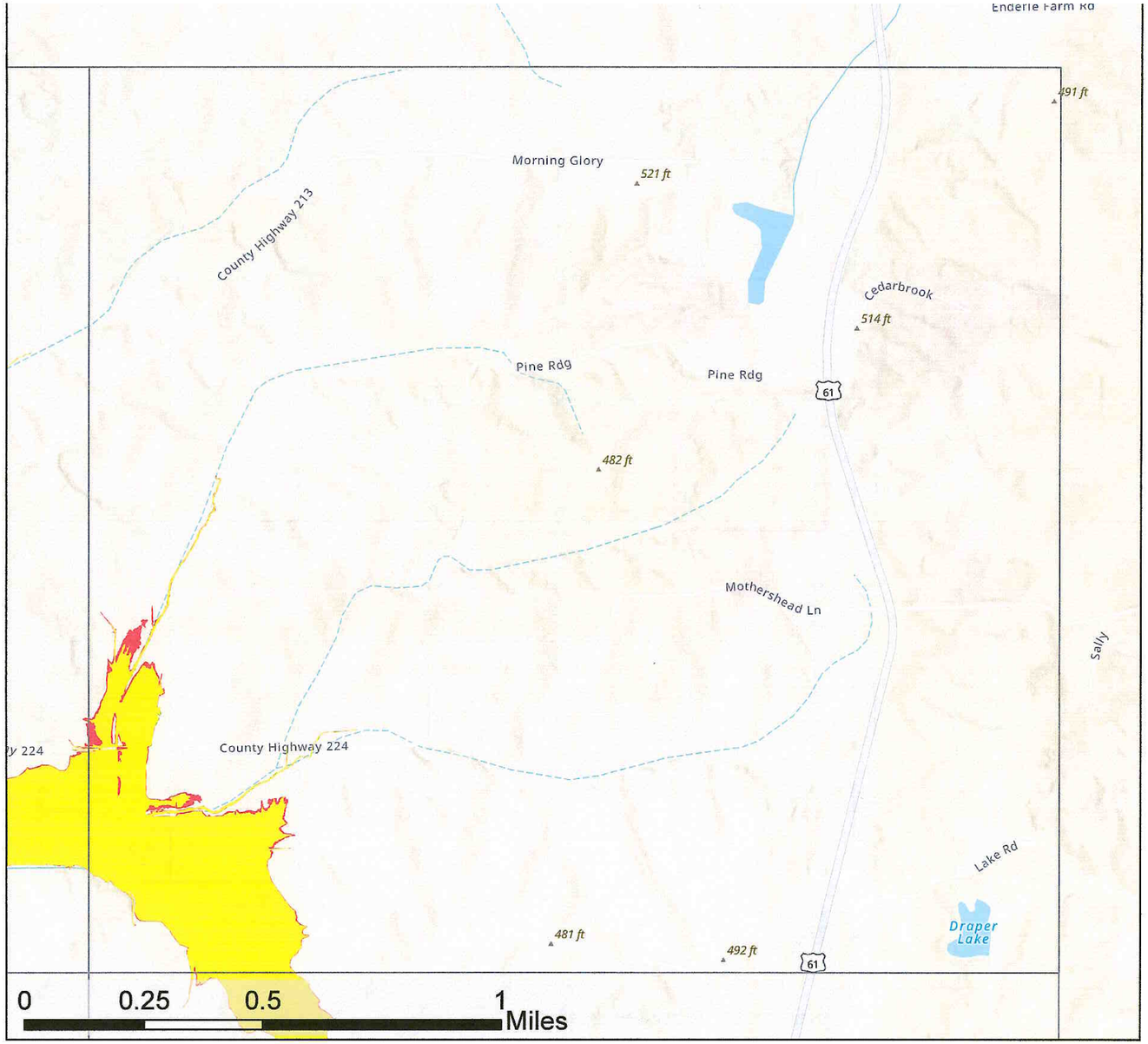
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

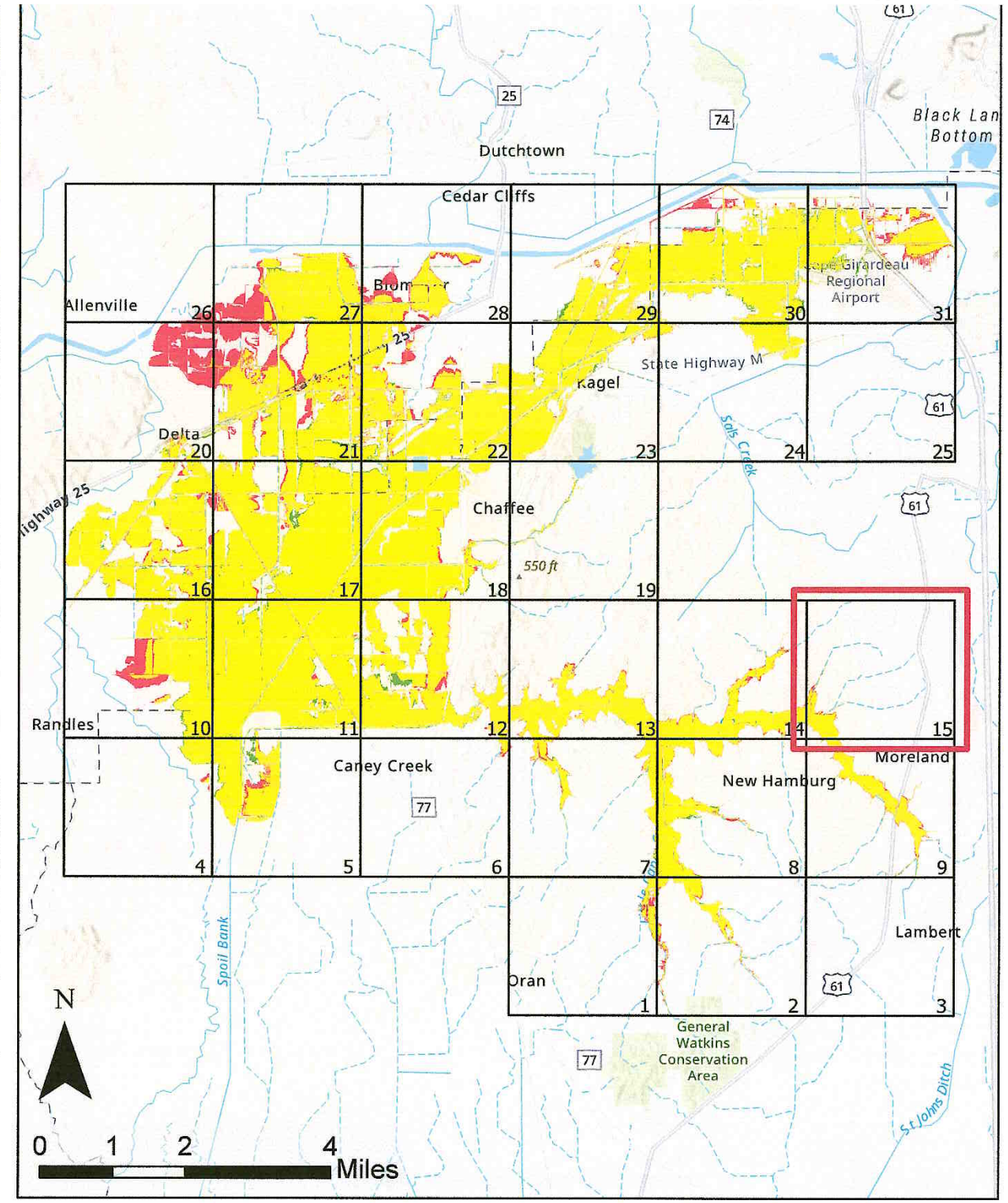
100yr With Project | 100yr Without Project | 100yr Area of Overlap

Page 14 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

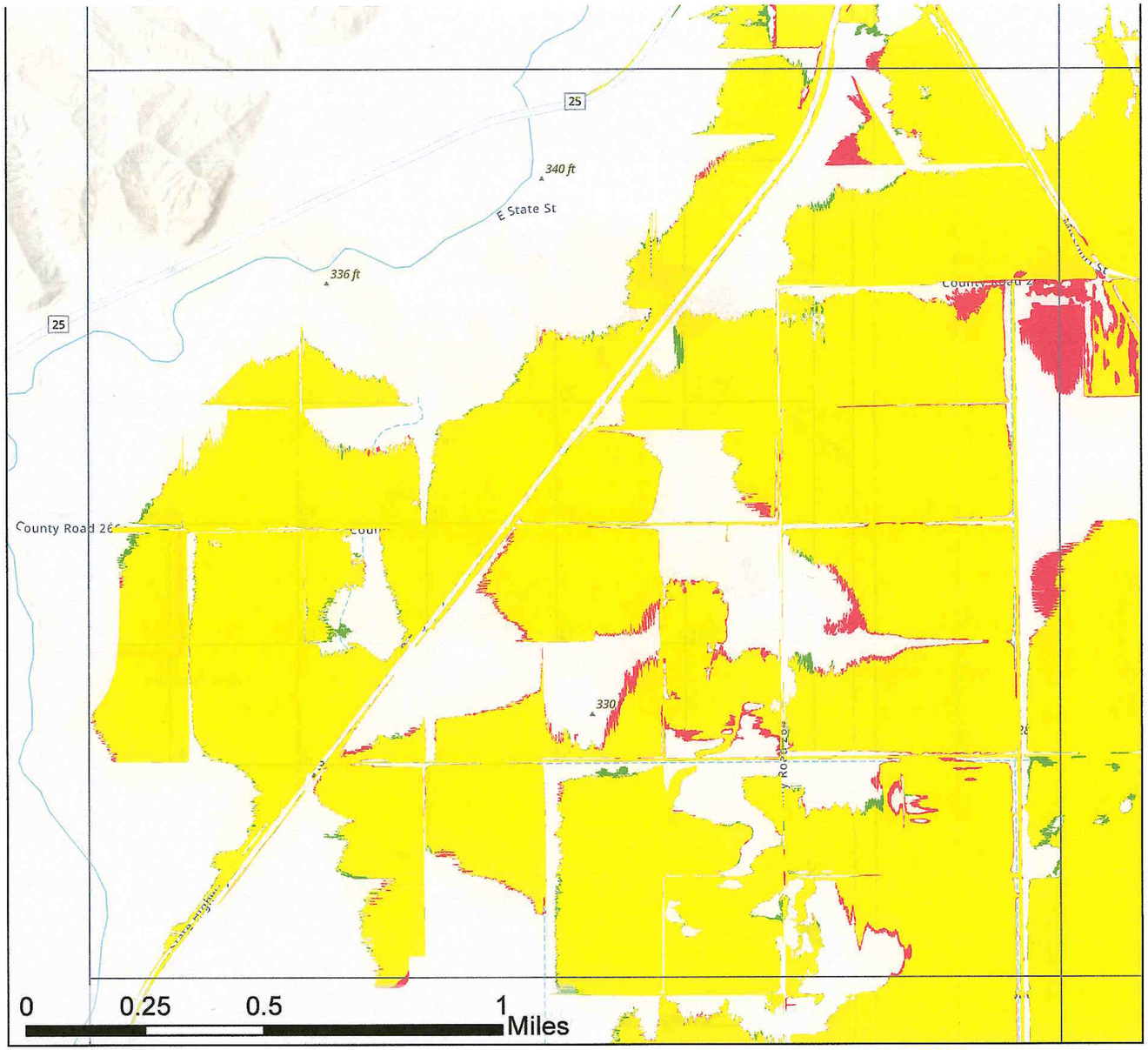
100yr Without Project

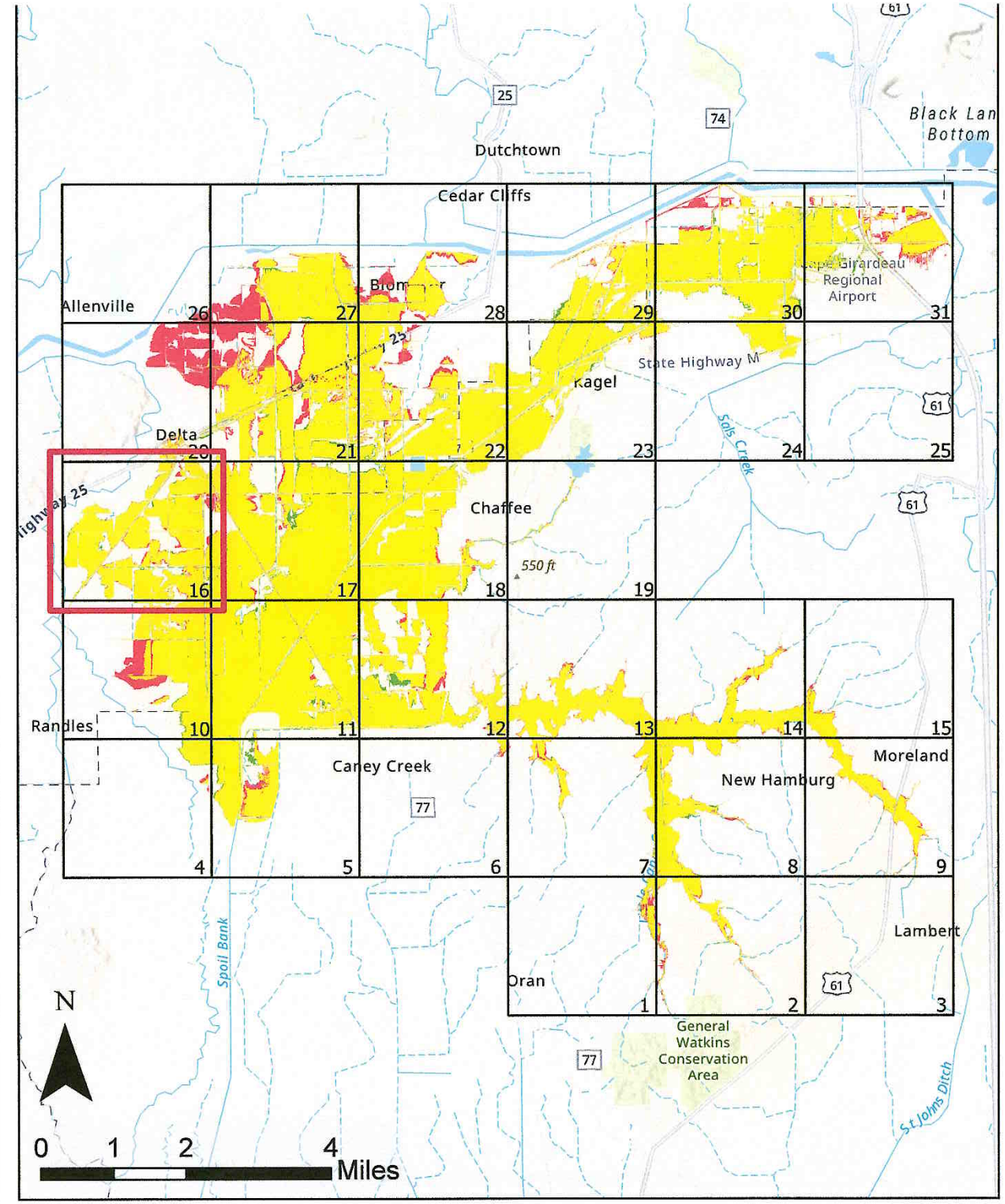
100yr Area of Overlap

Page 15 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

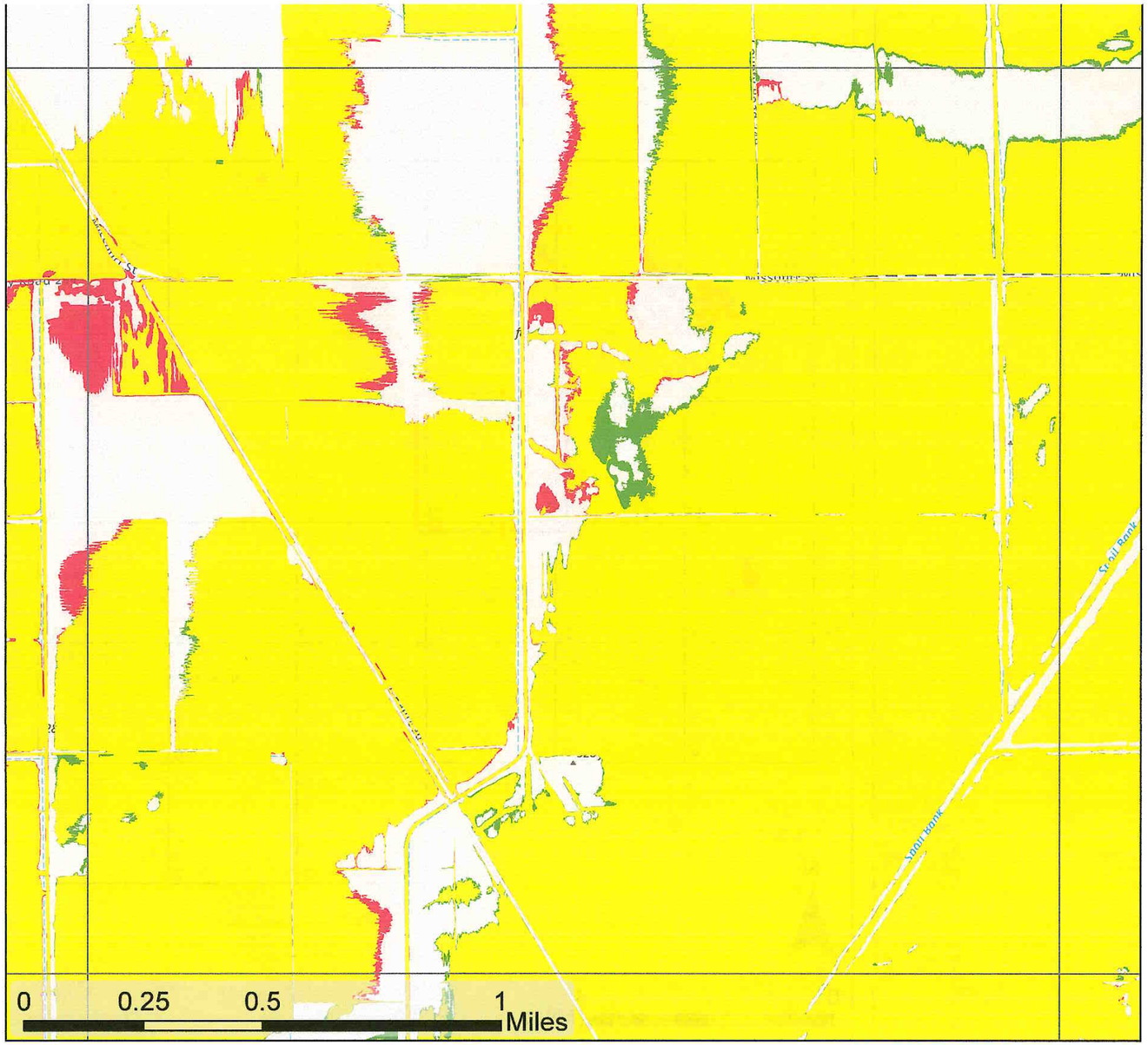
100yr Without Project

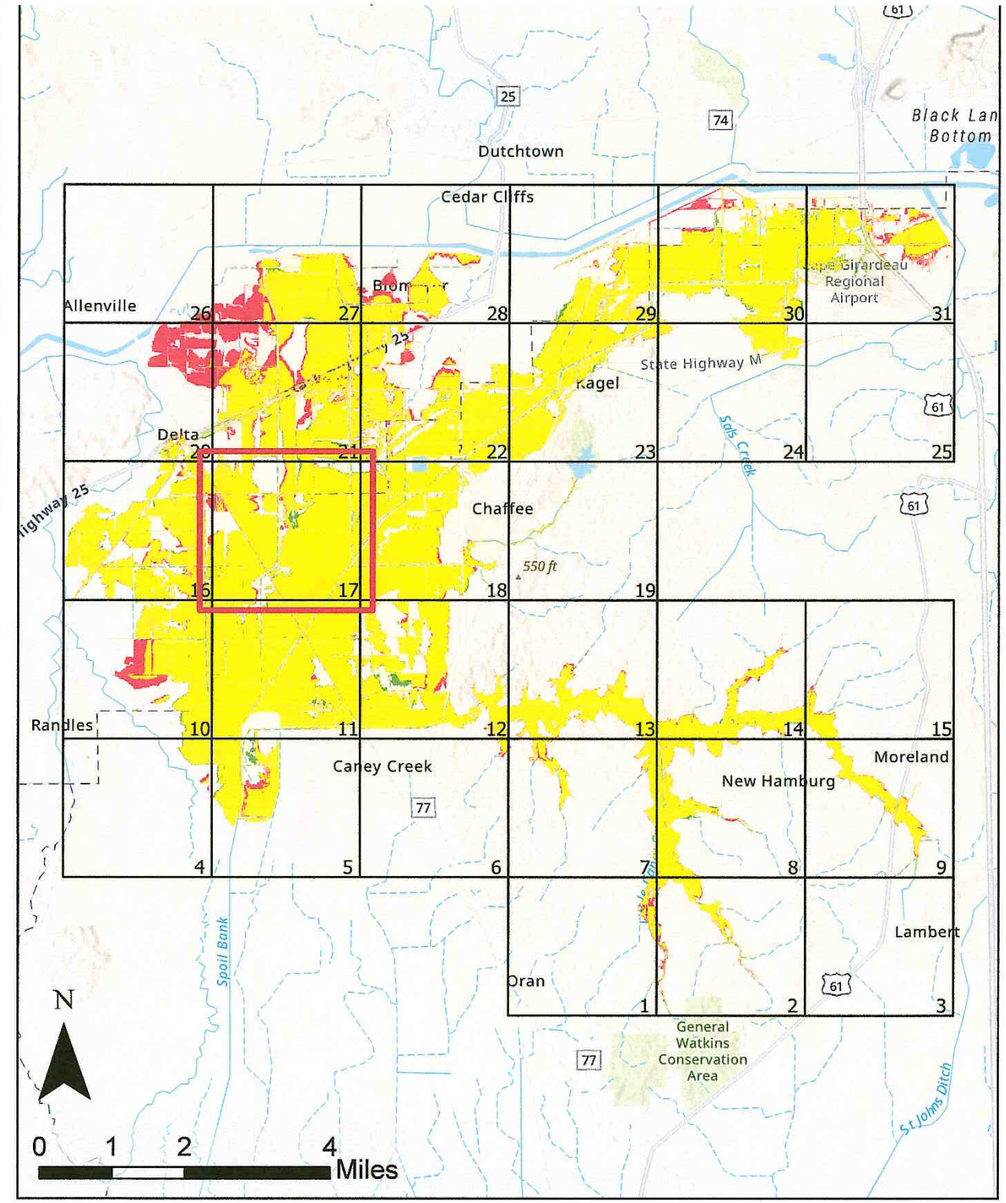
100yr Area of Overlap

Page 16 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

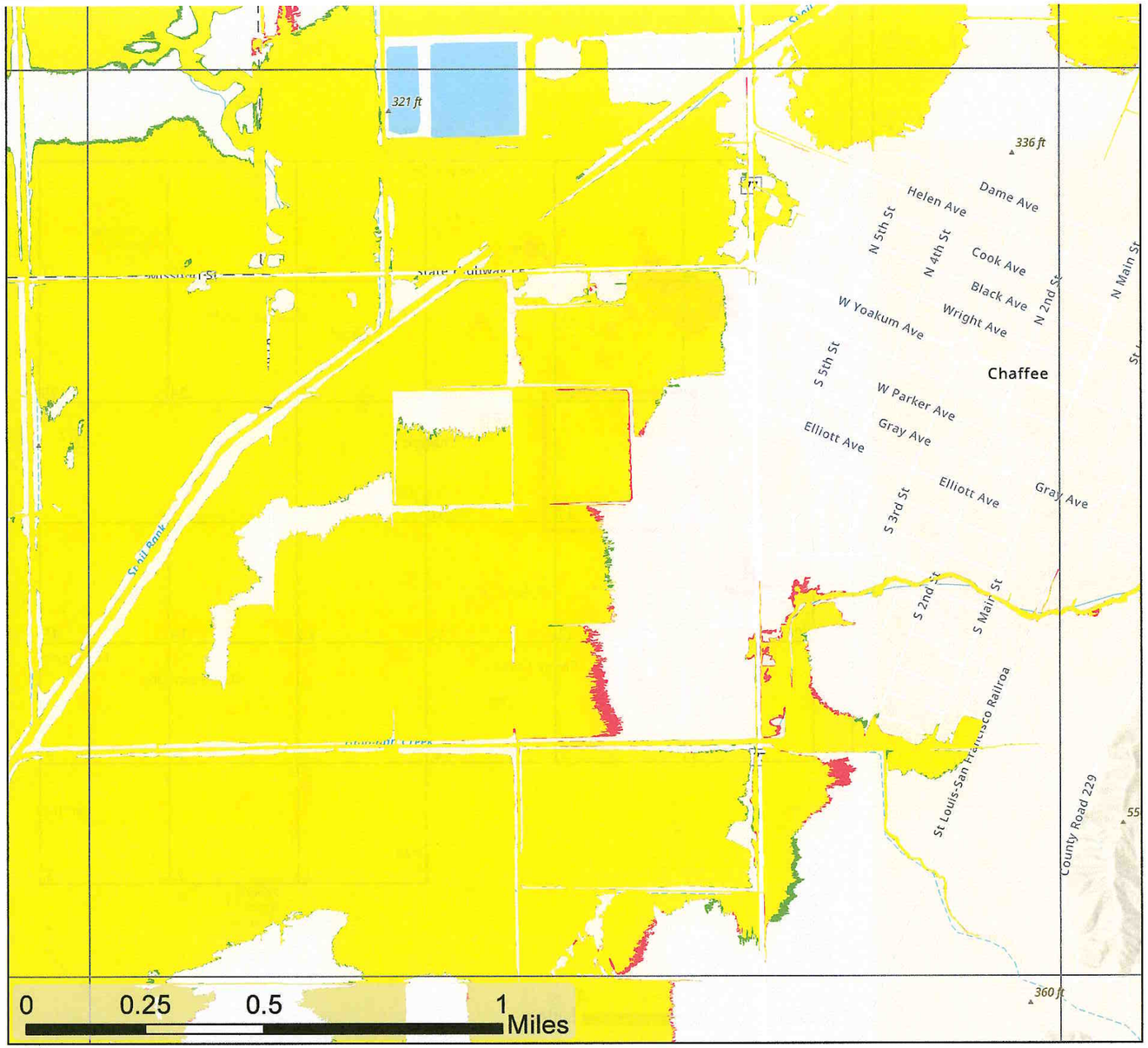
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

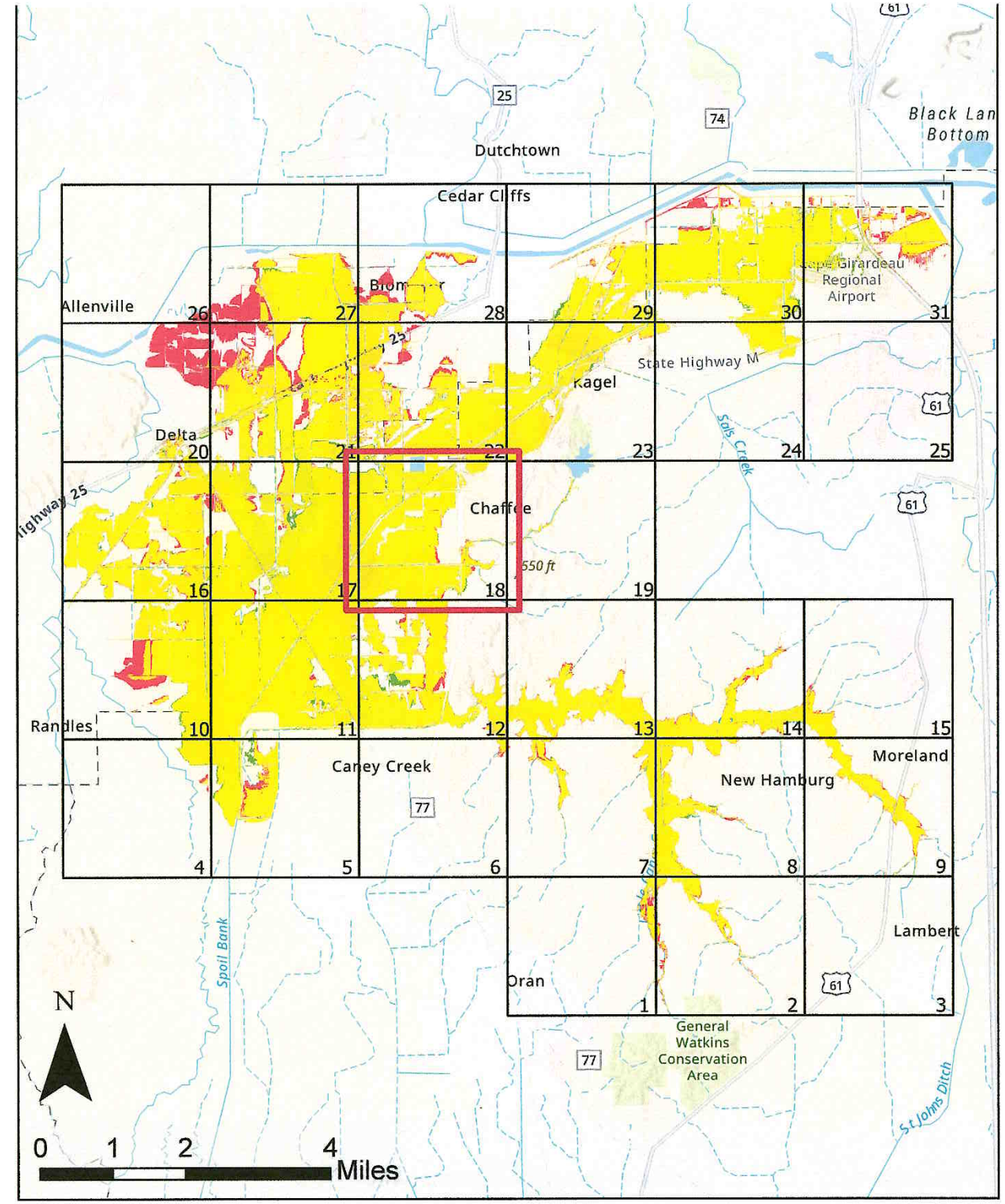
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 17 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

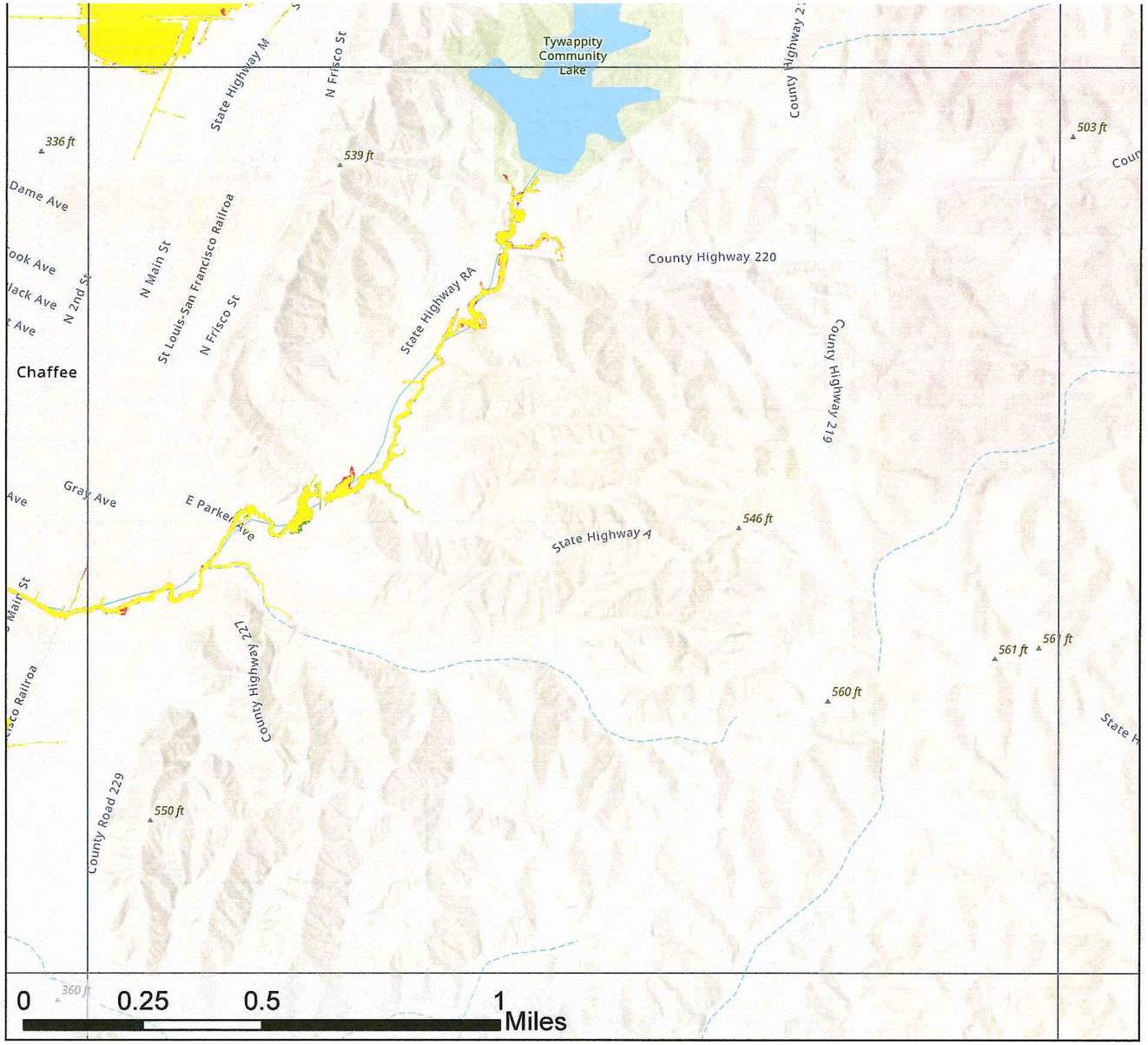
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

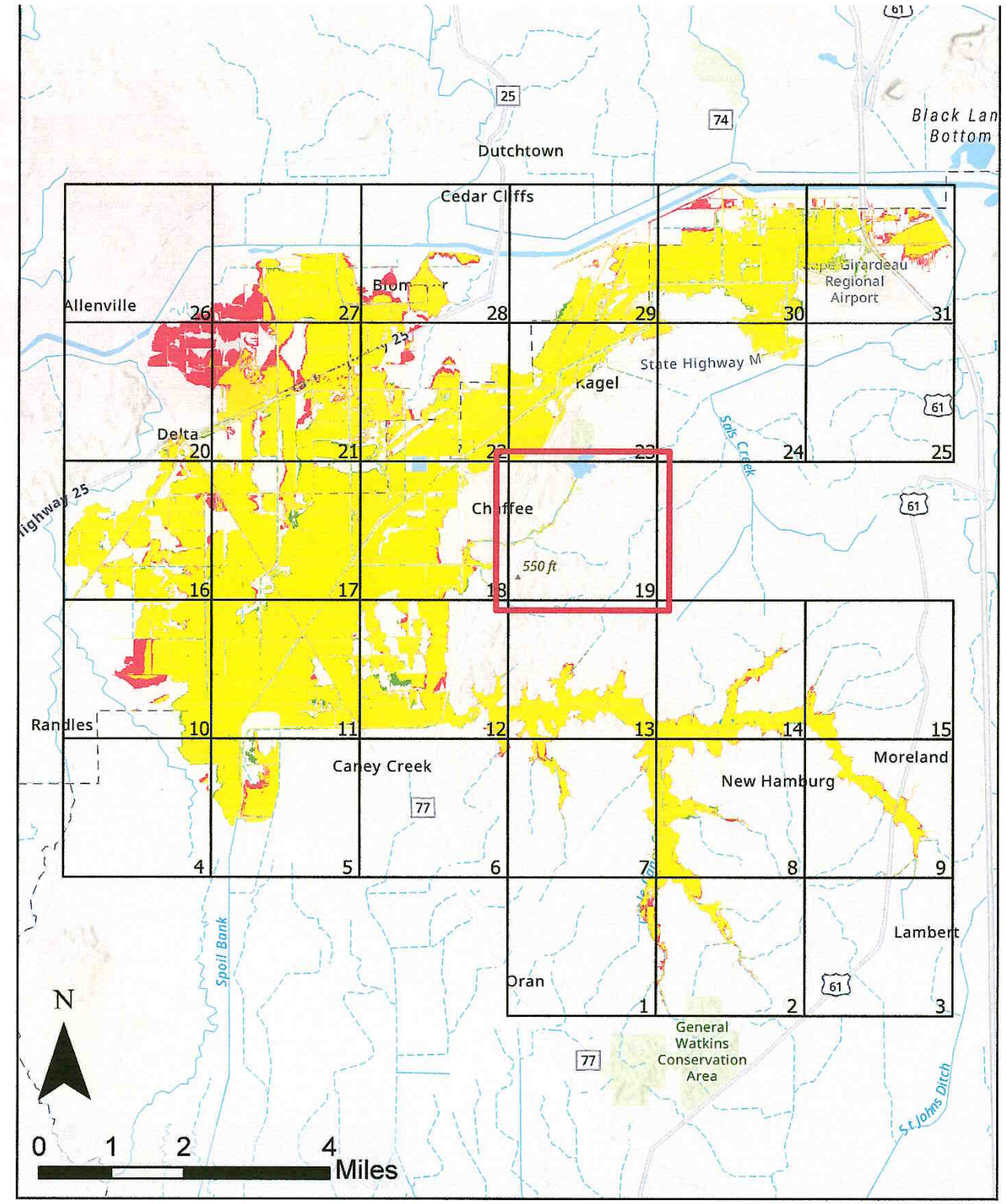
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 18 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

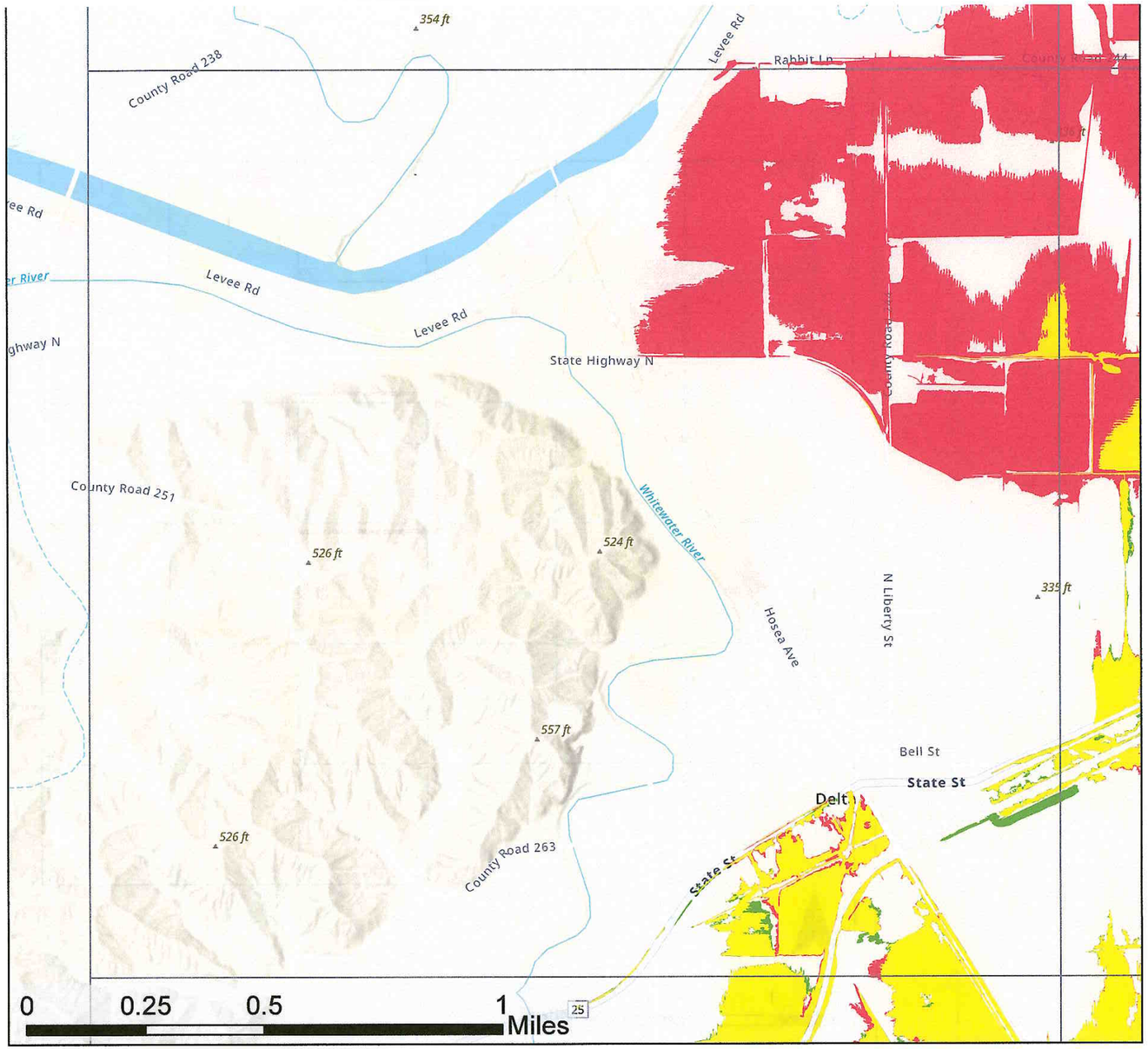
100yr Without Project

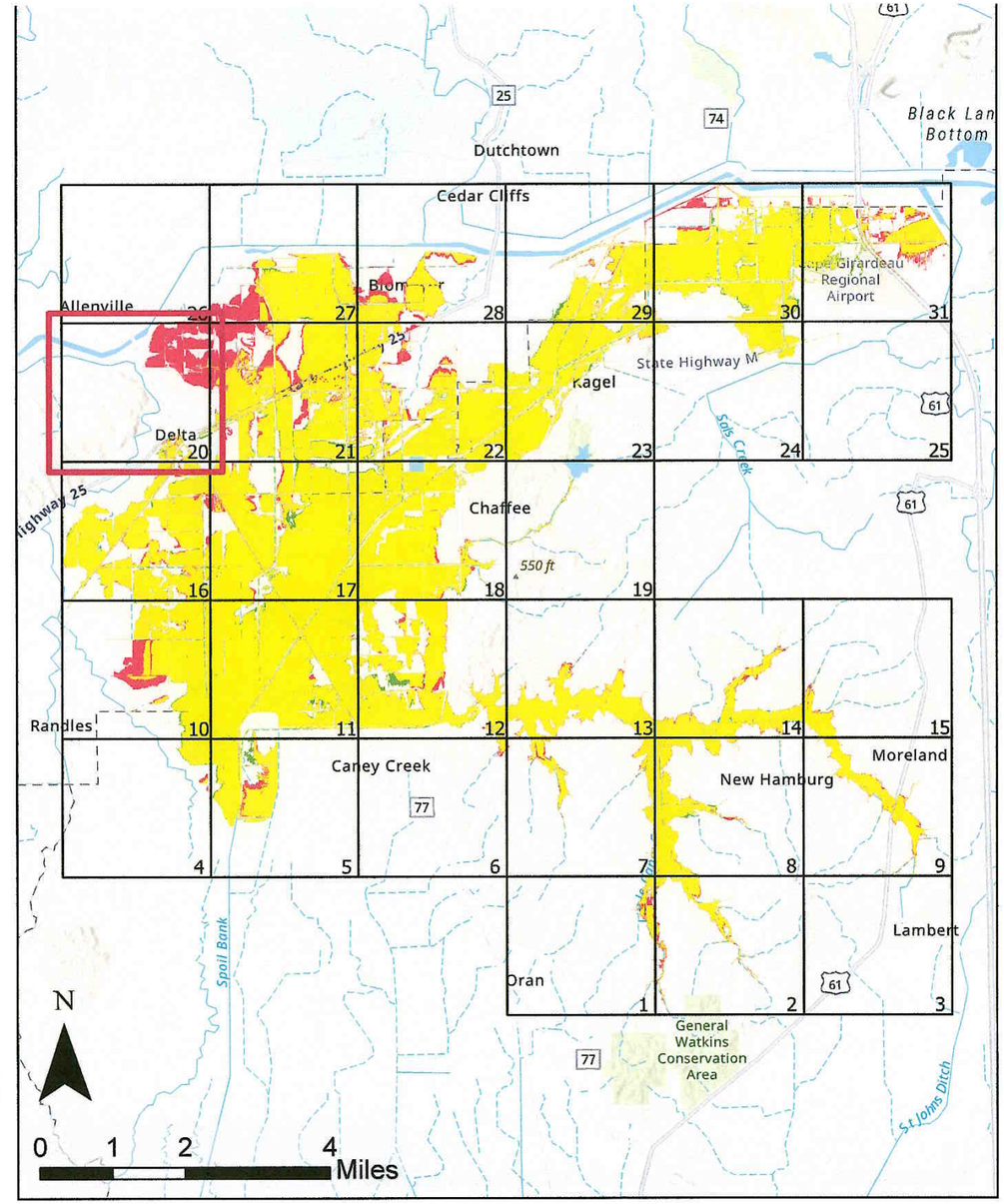
100yr Area of Overlap

Page 19 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

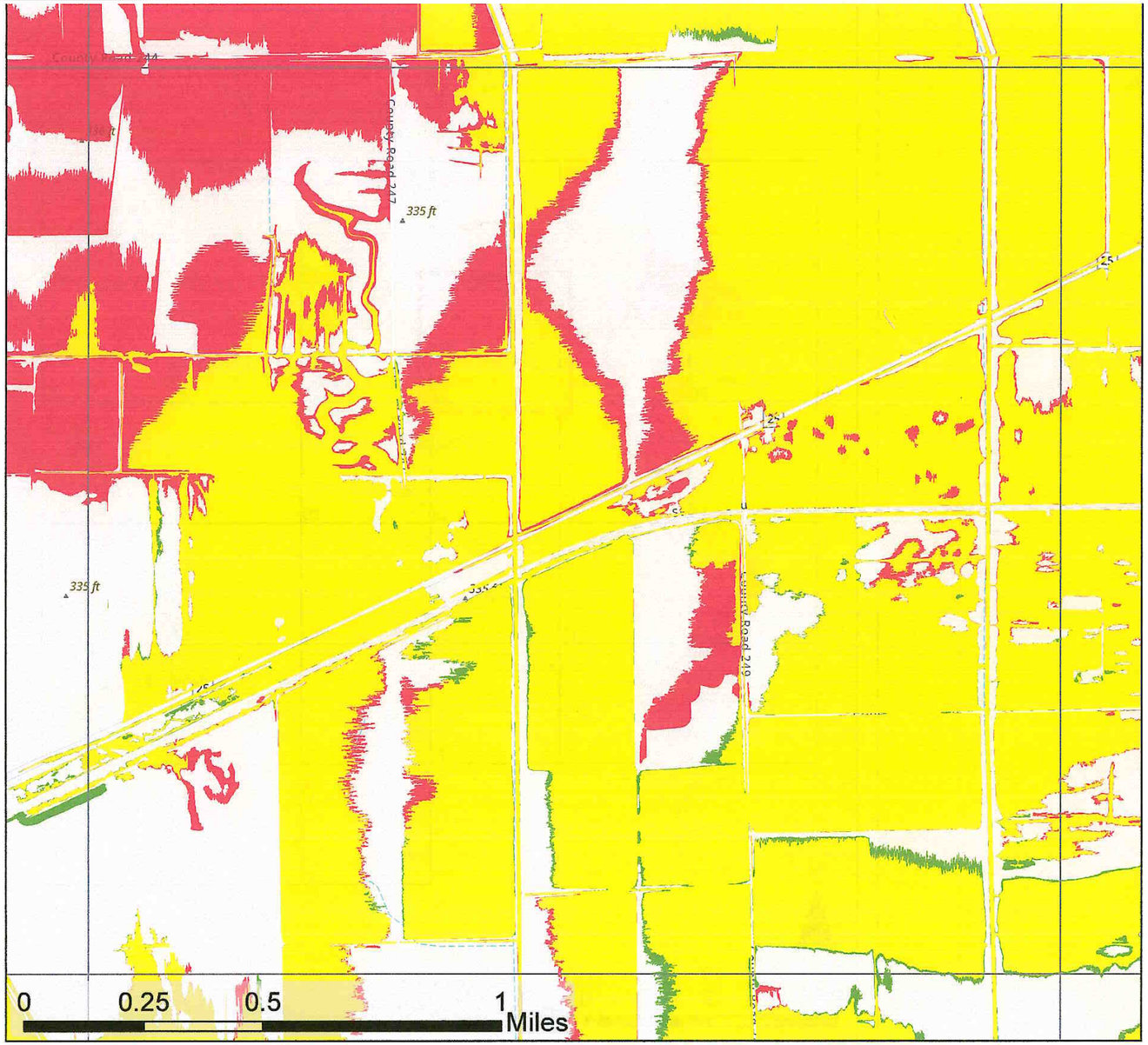
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

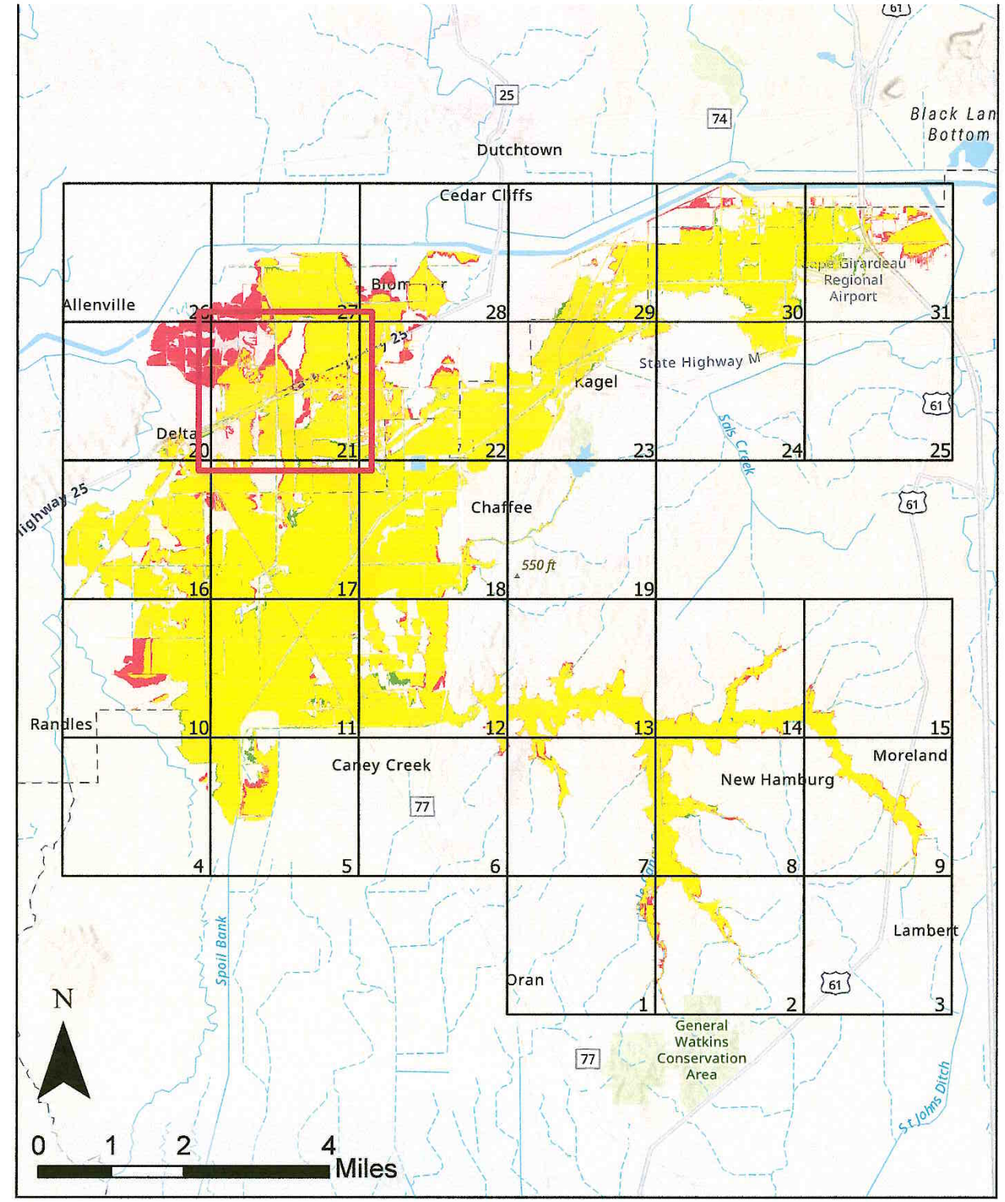
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 20 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

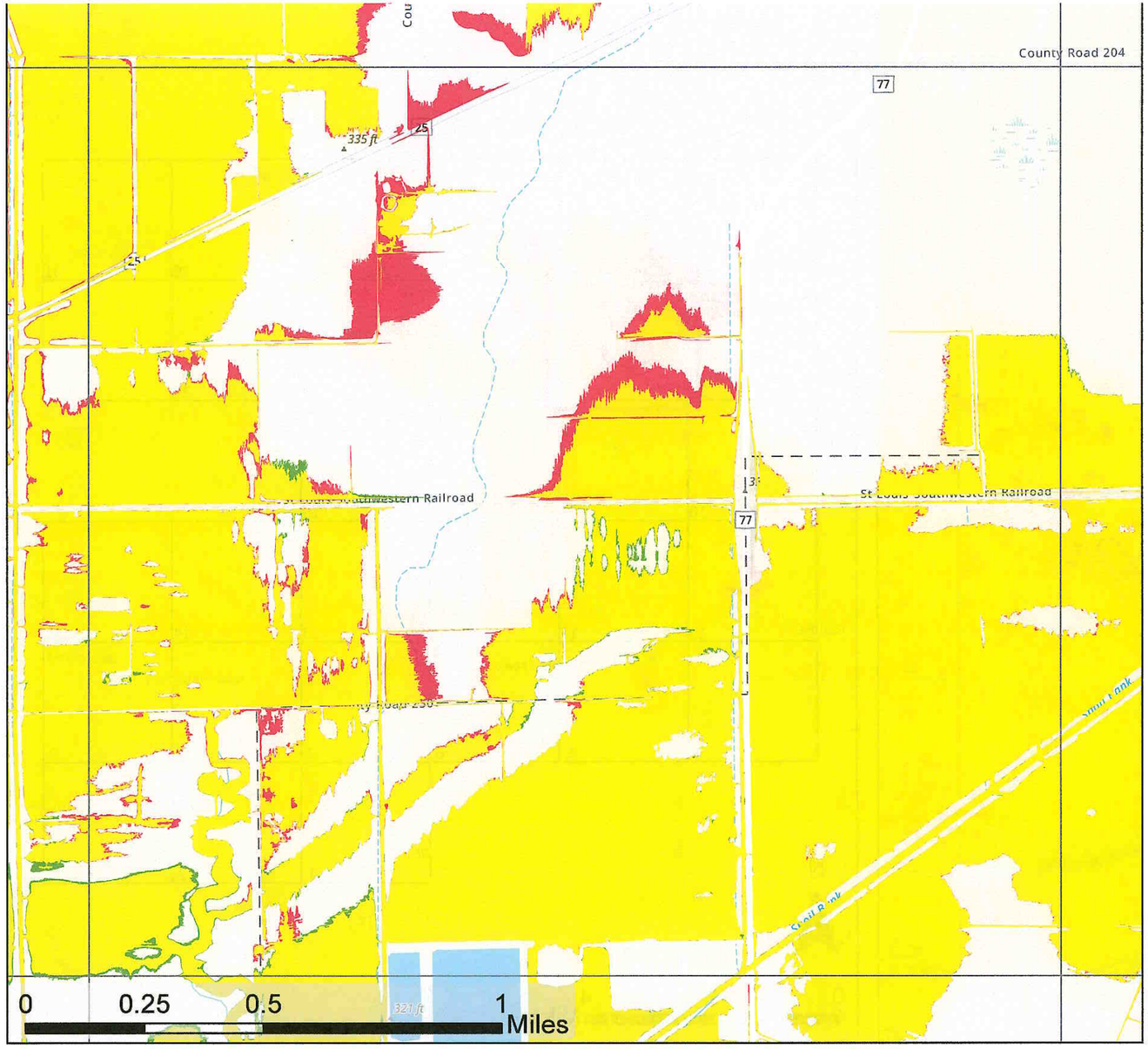
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

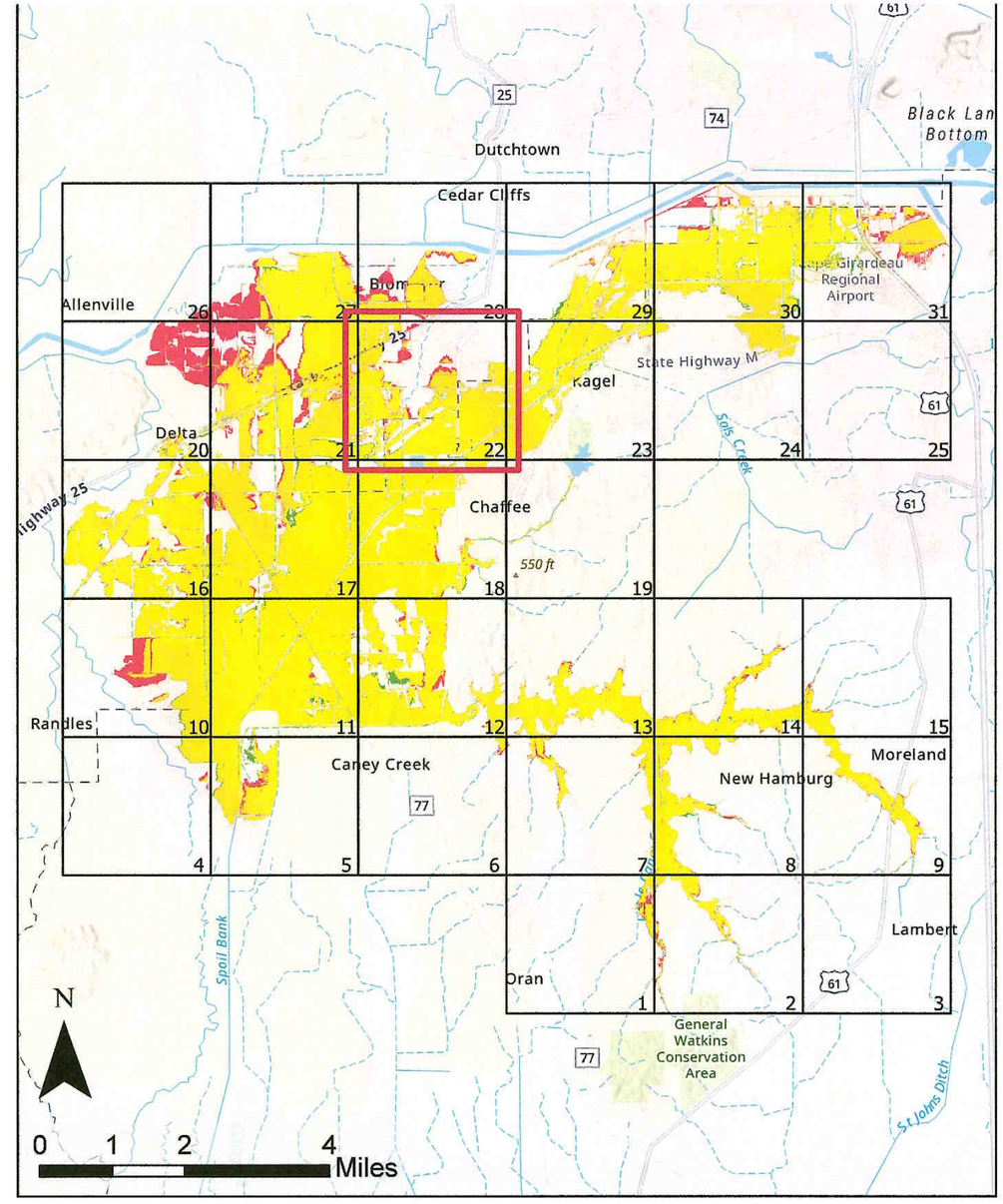
100yr With Project | 100yr Without Project | 100yr Area of Overlap

Page 21 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

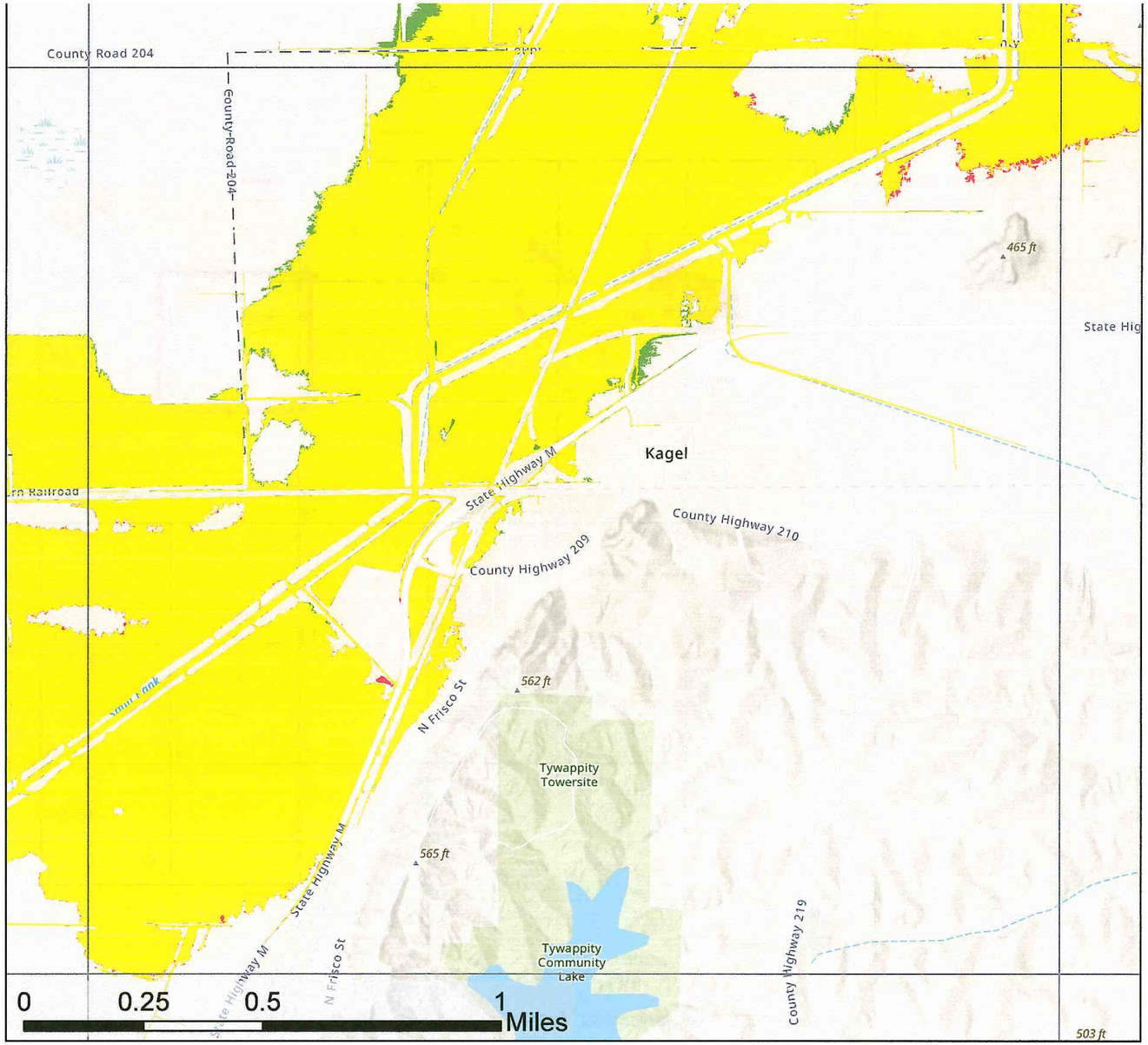
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

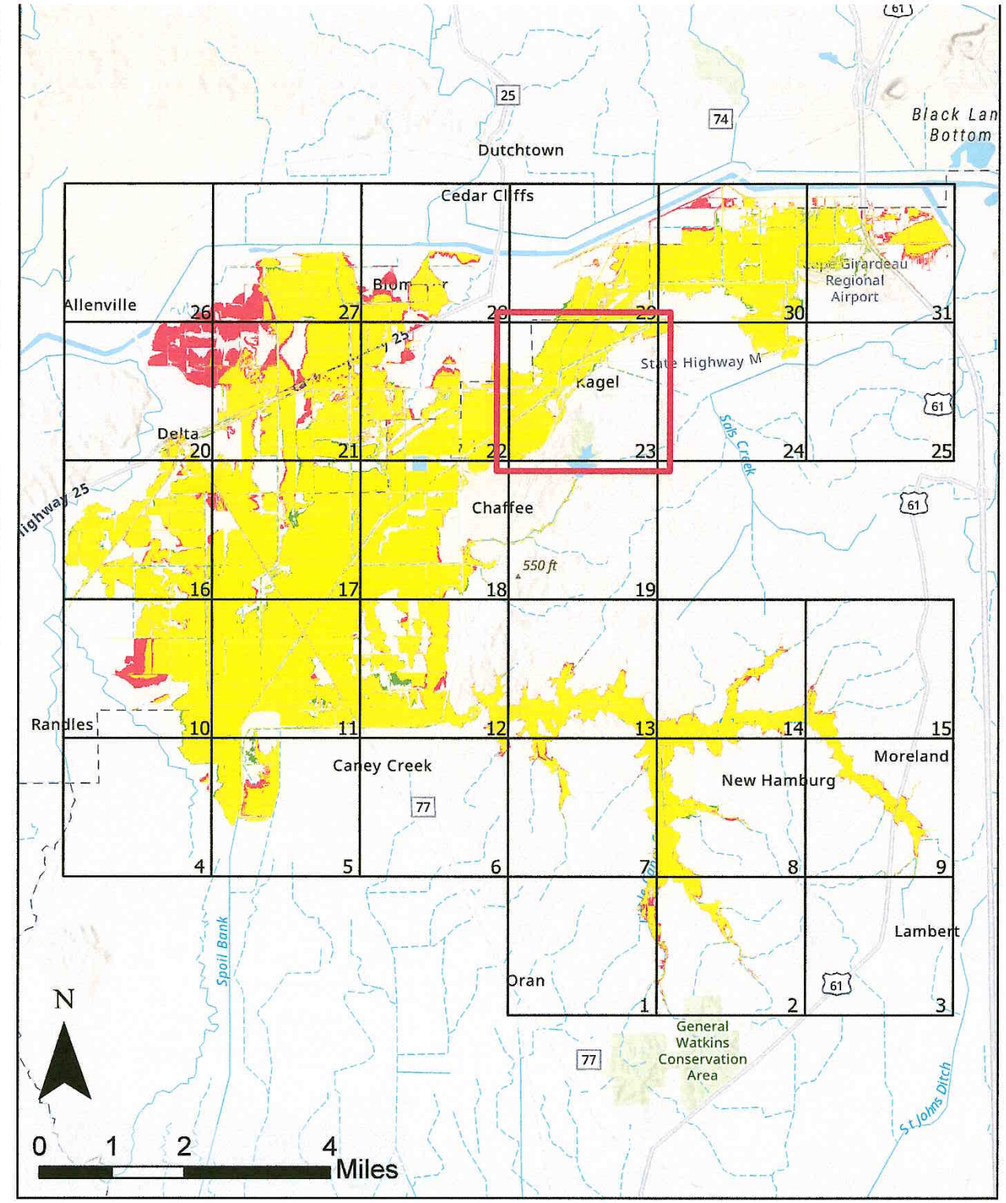
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 22 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

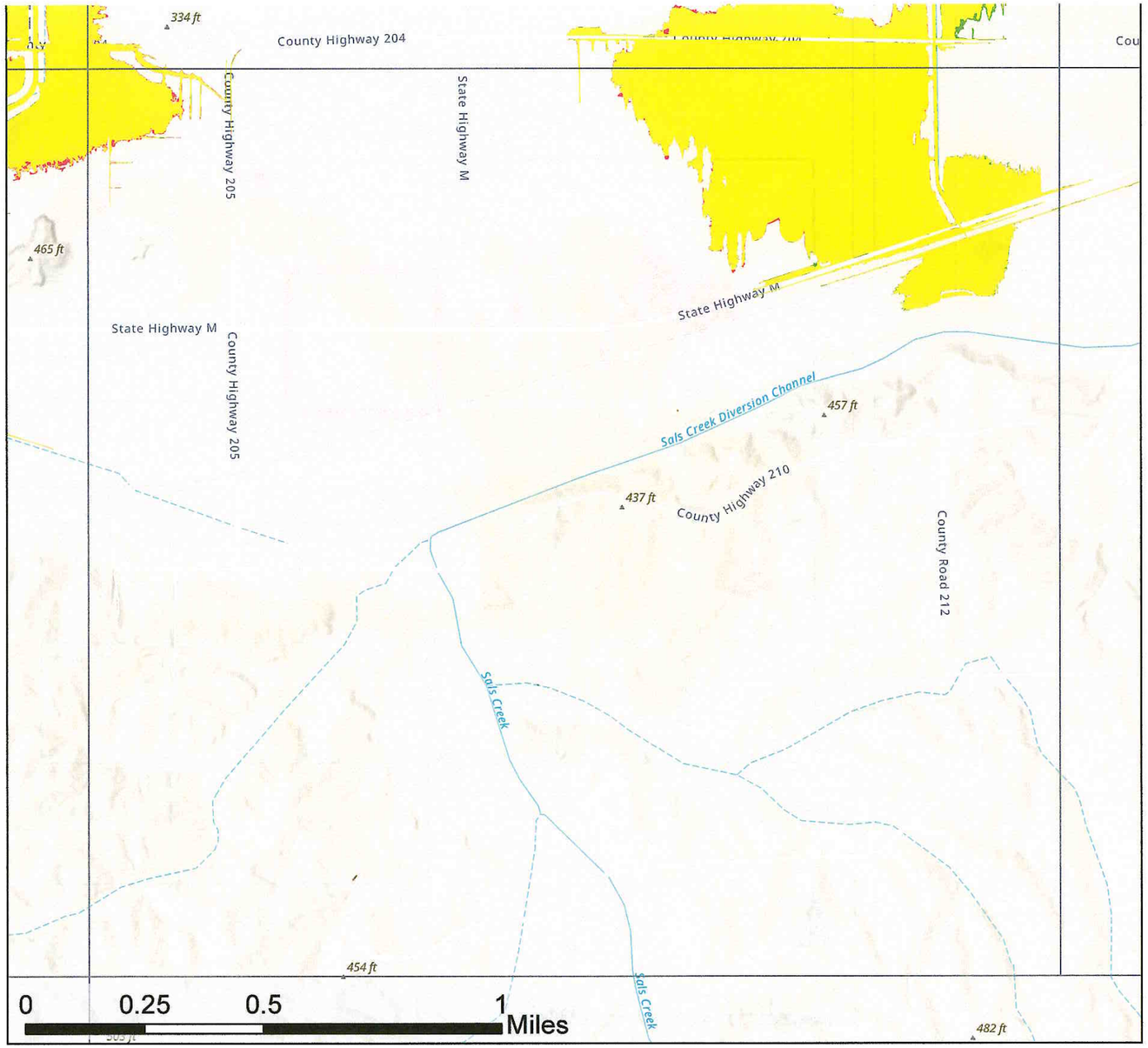
100yr Without Project

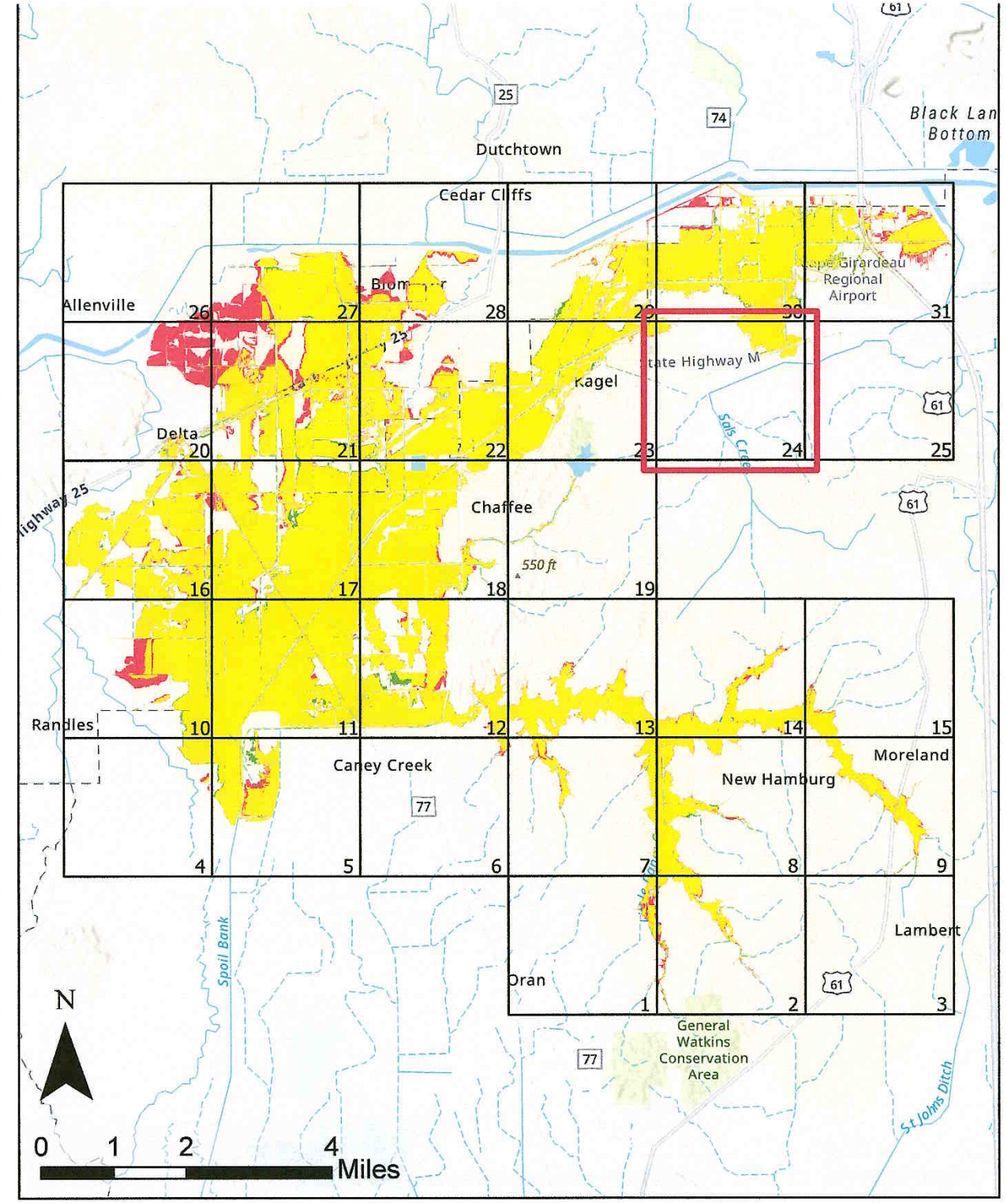
100yr Area of Overlap

Page 23 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

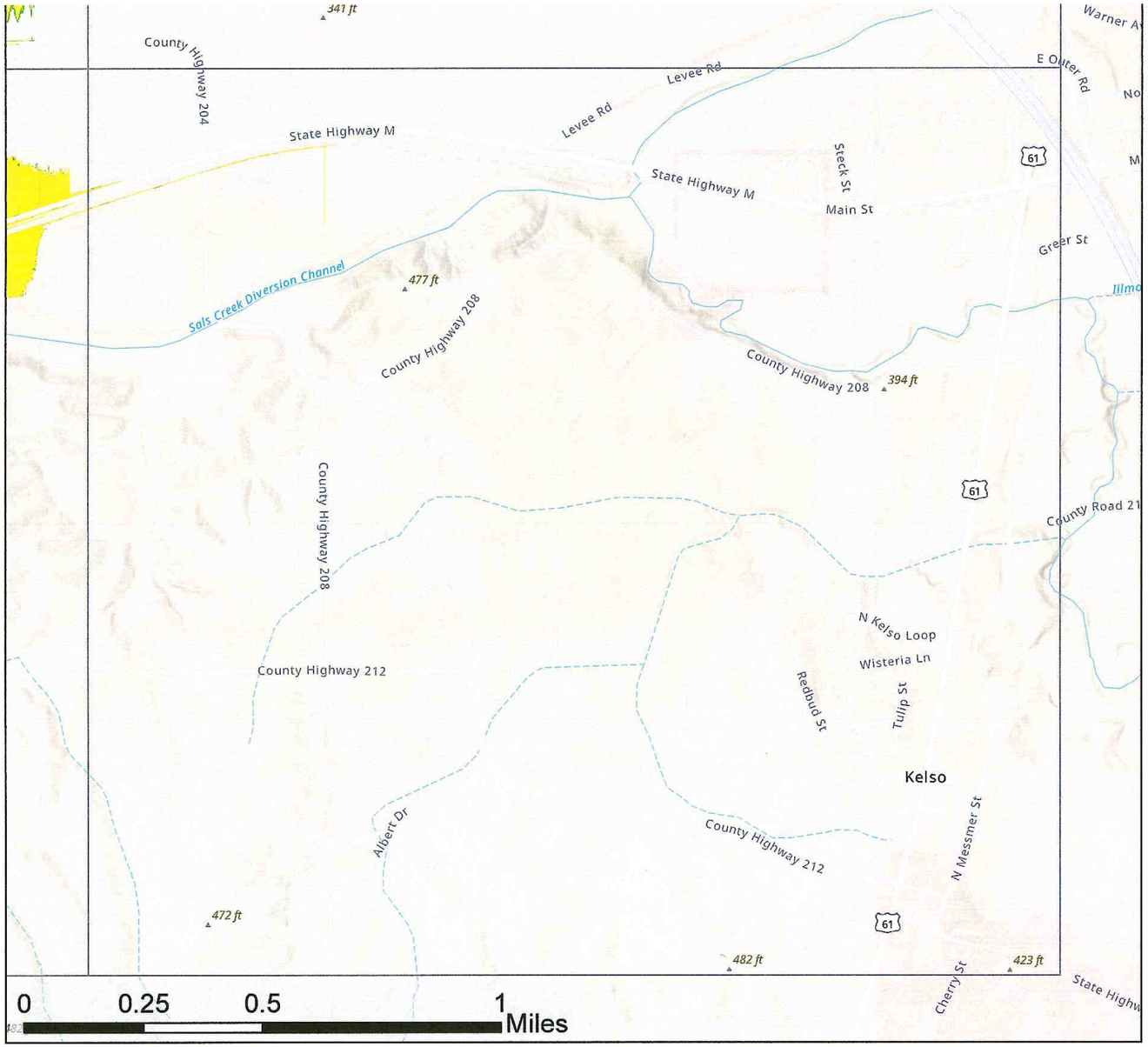
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

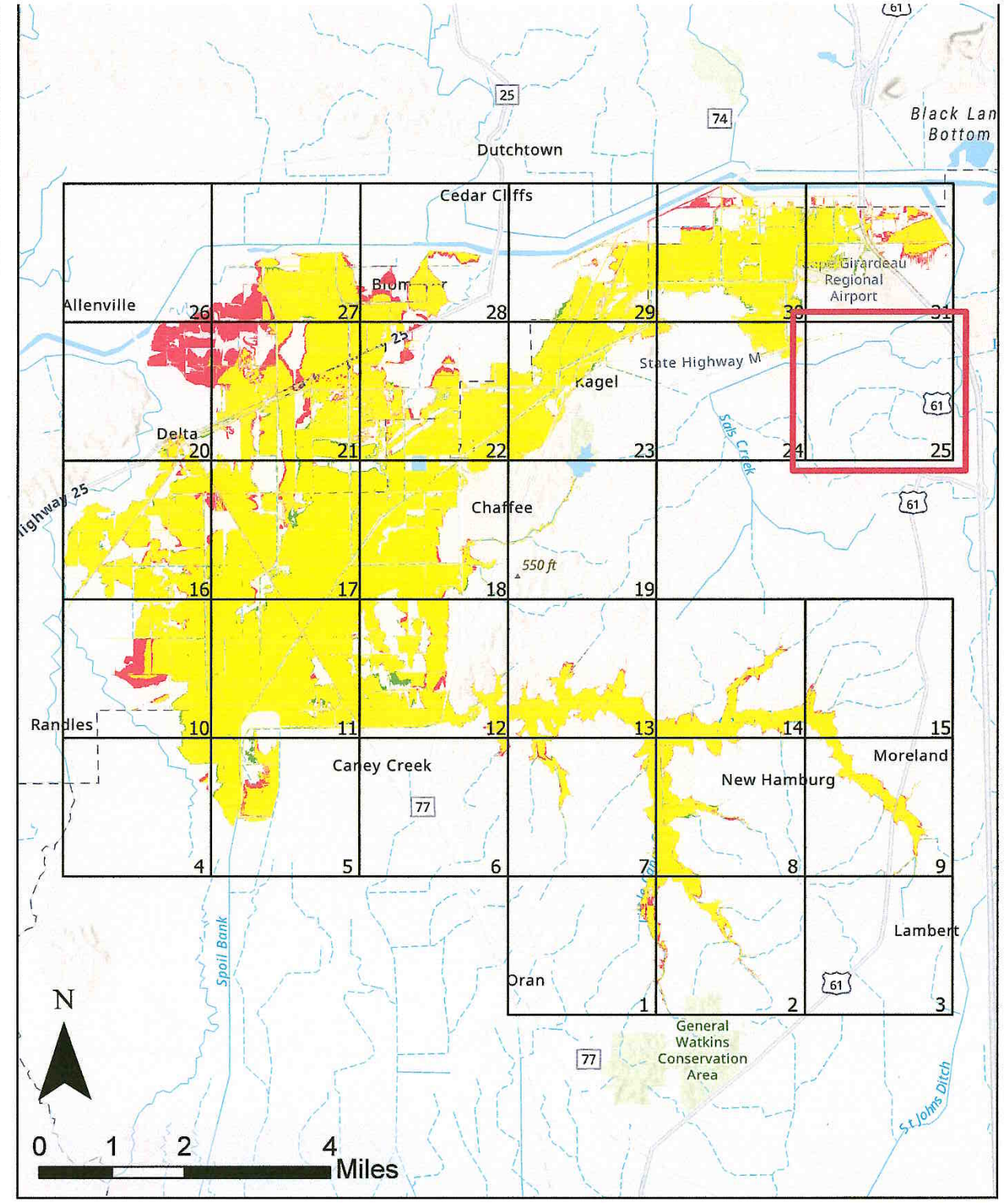
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 24 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

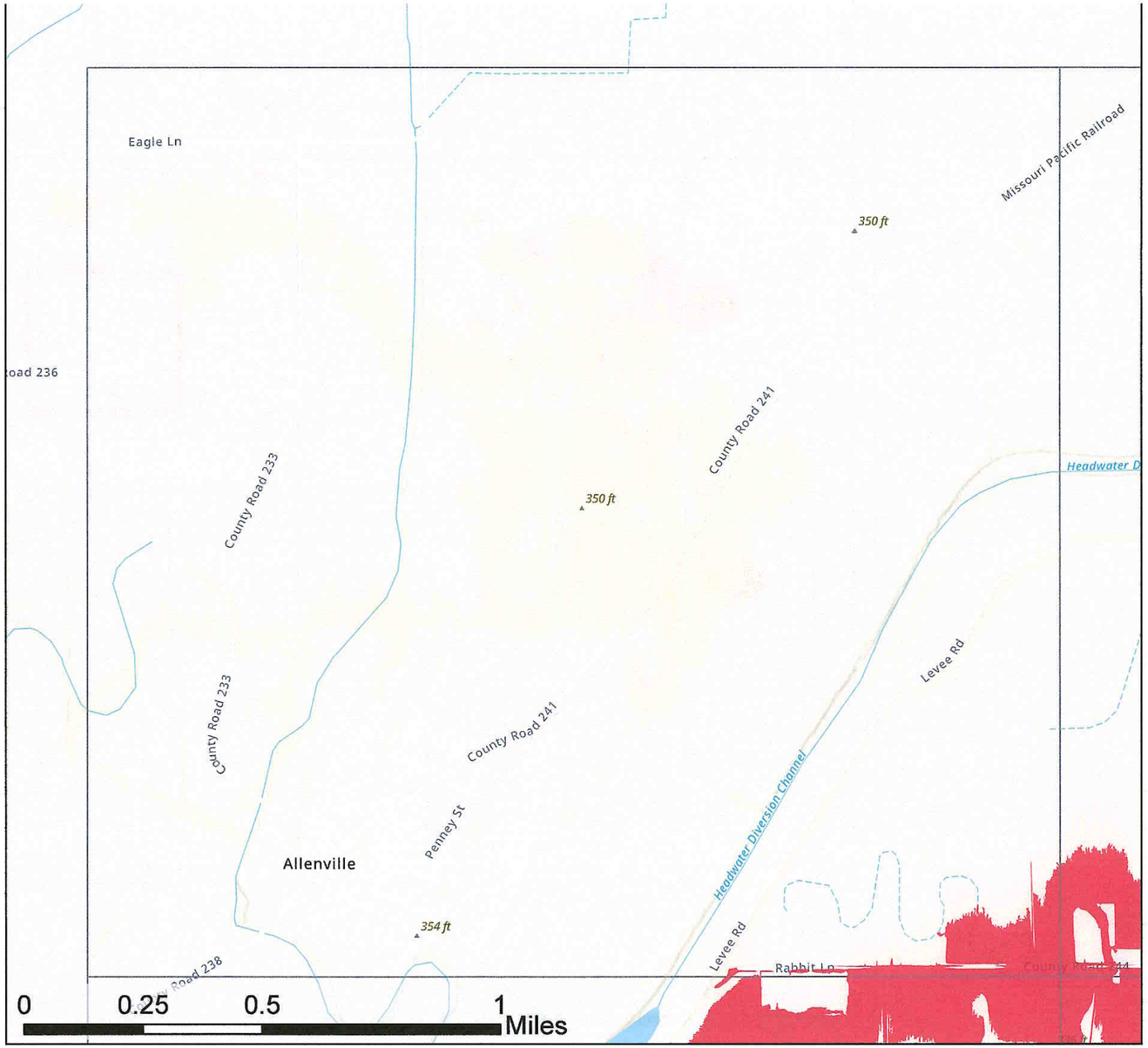
100yr Without Project

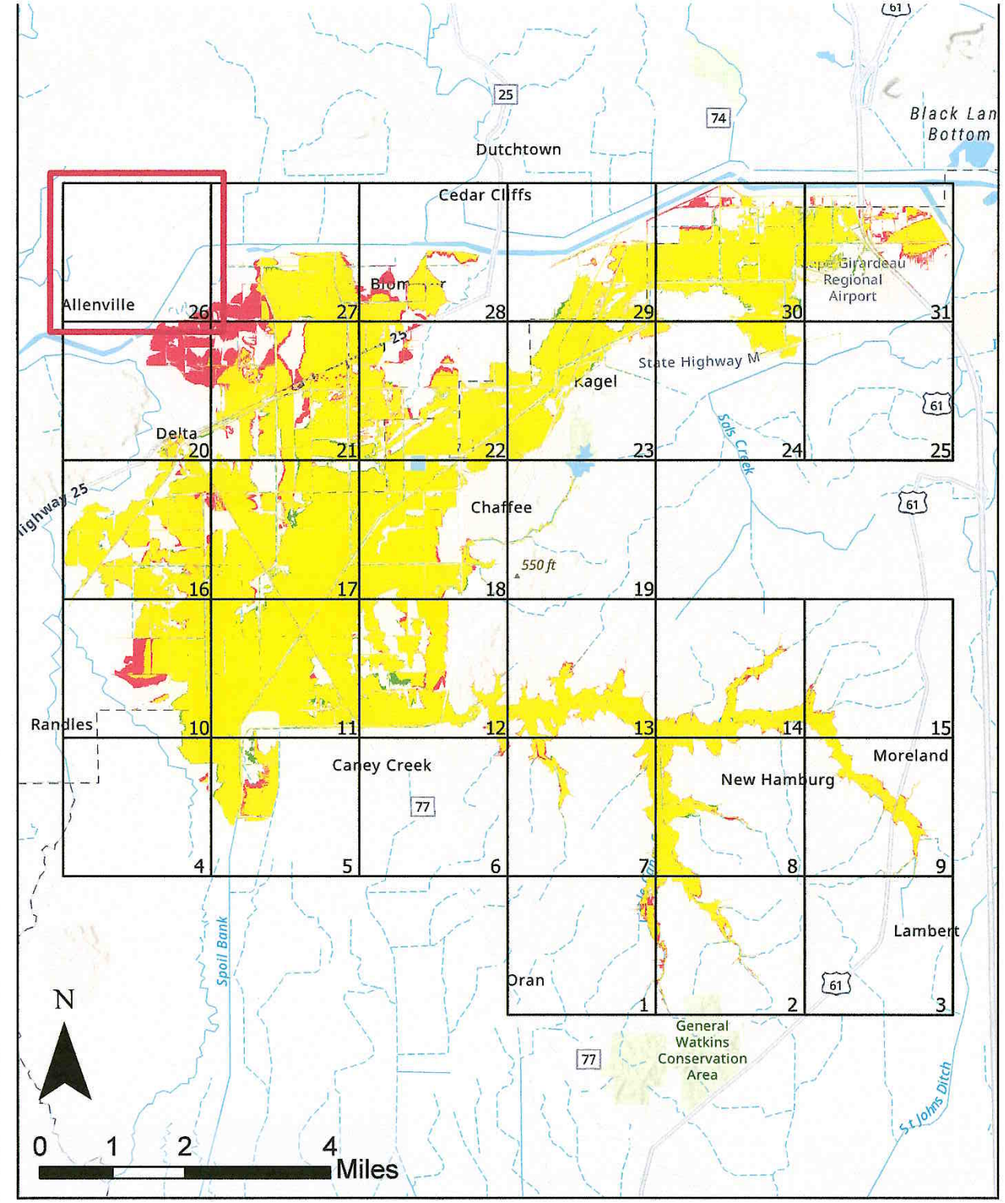
100yr Area of Overlap

Page 25 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

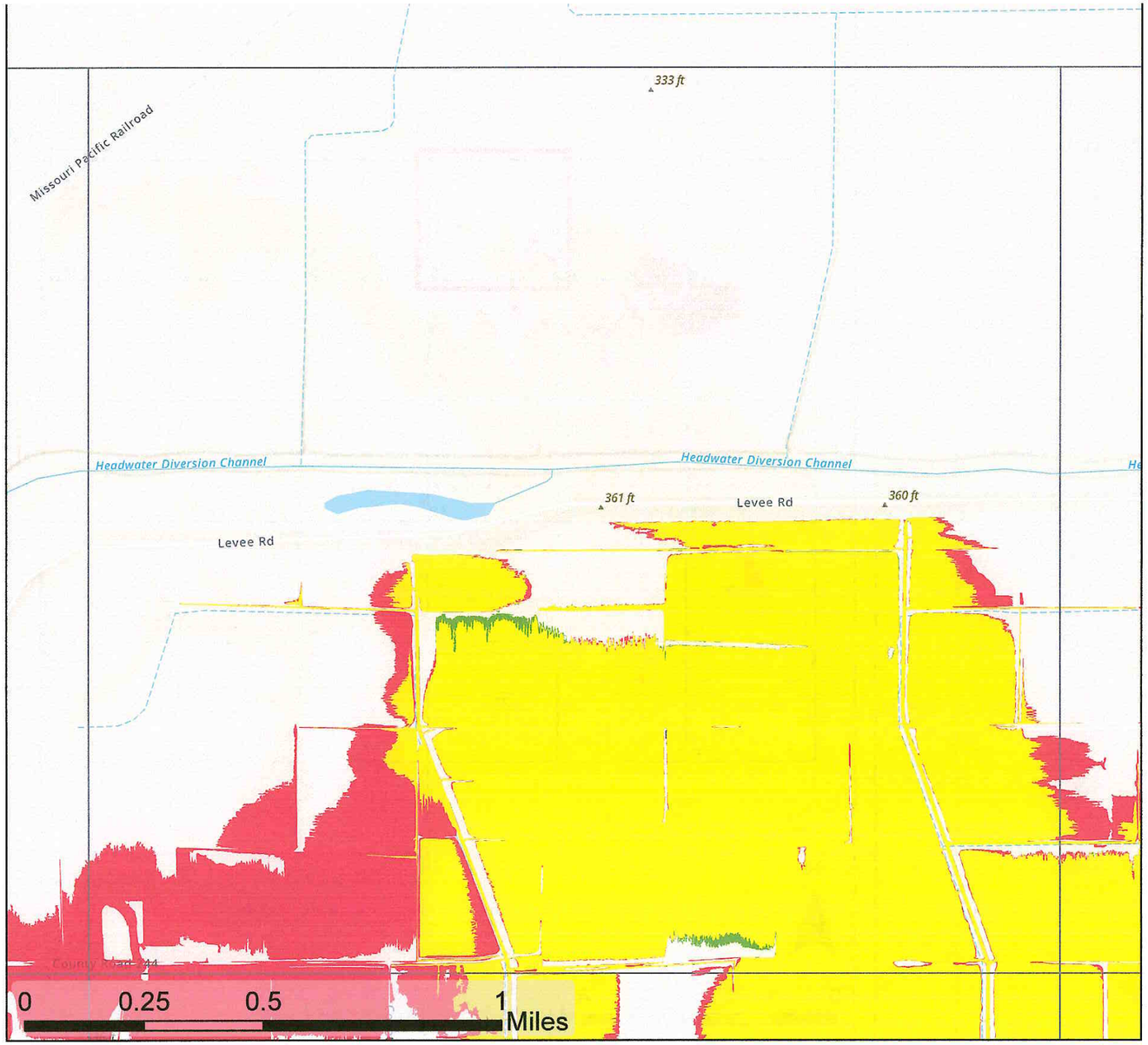
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

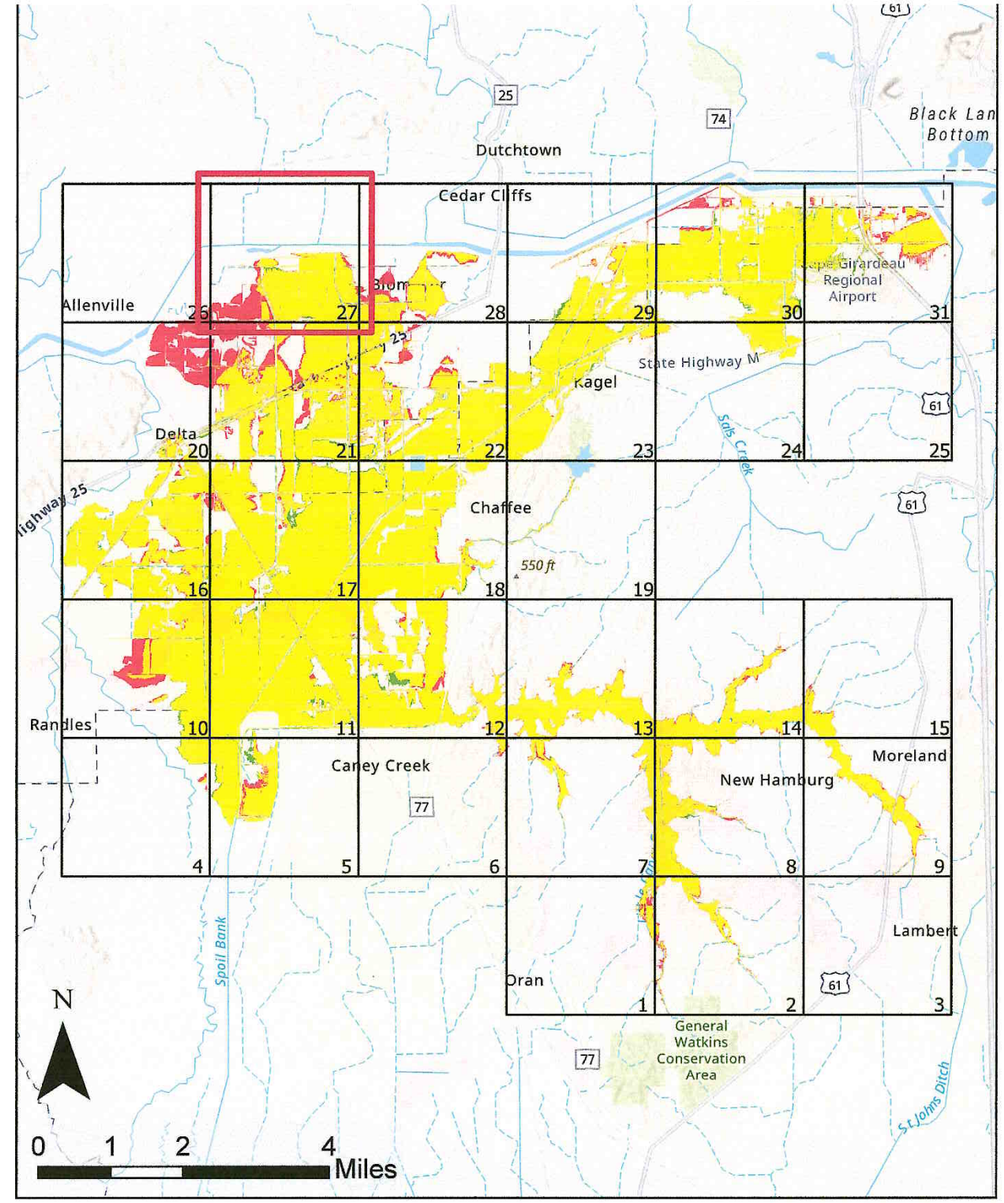
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 26 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

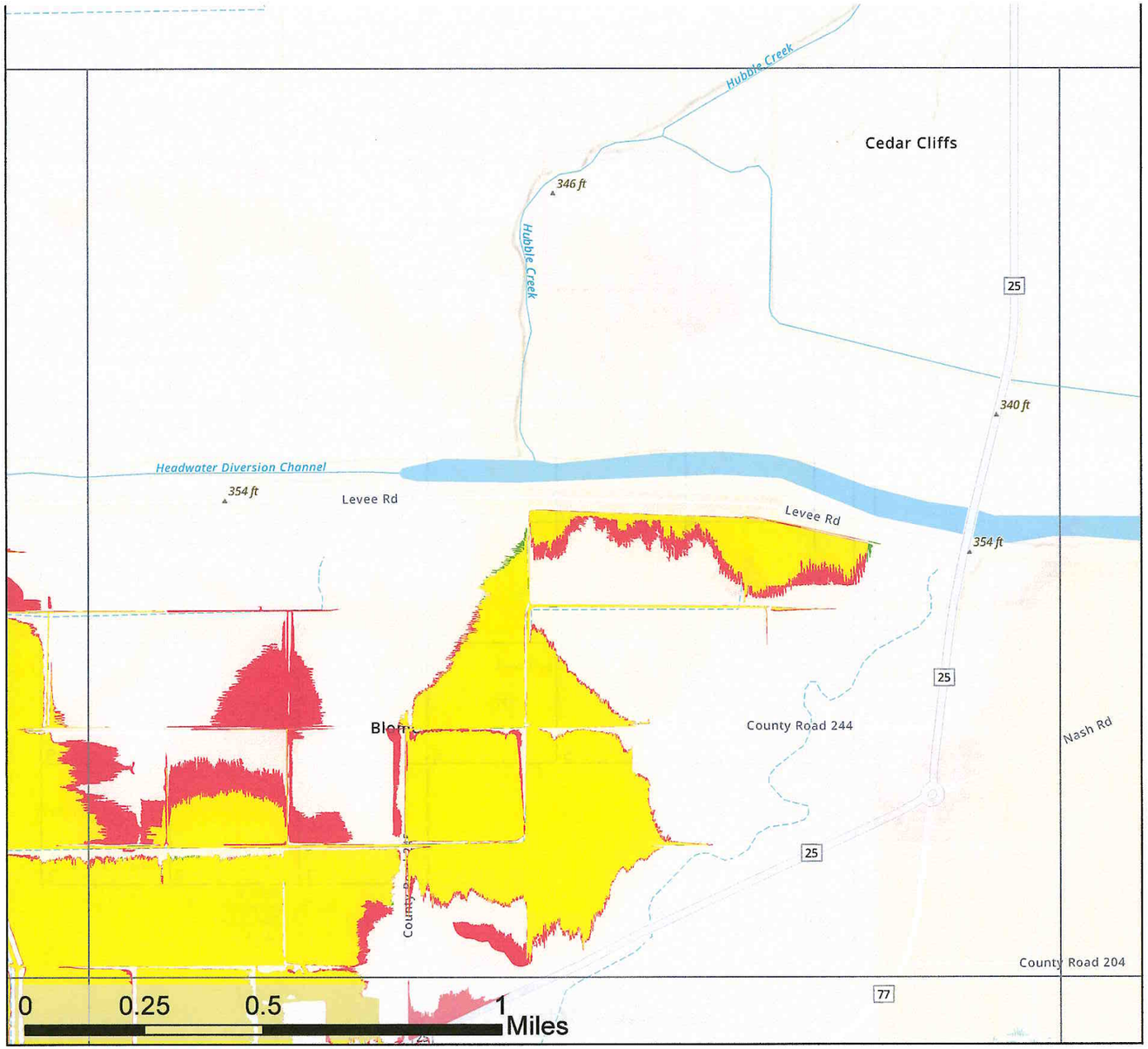
Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

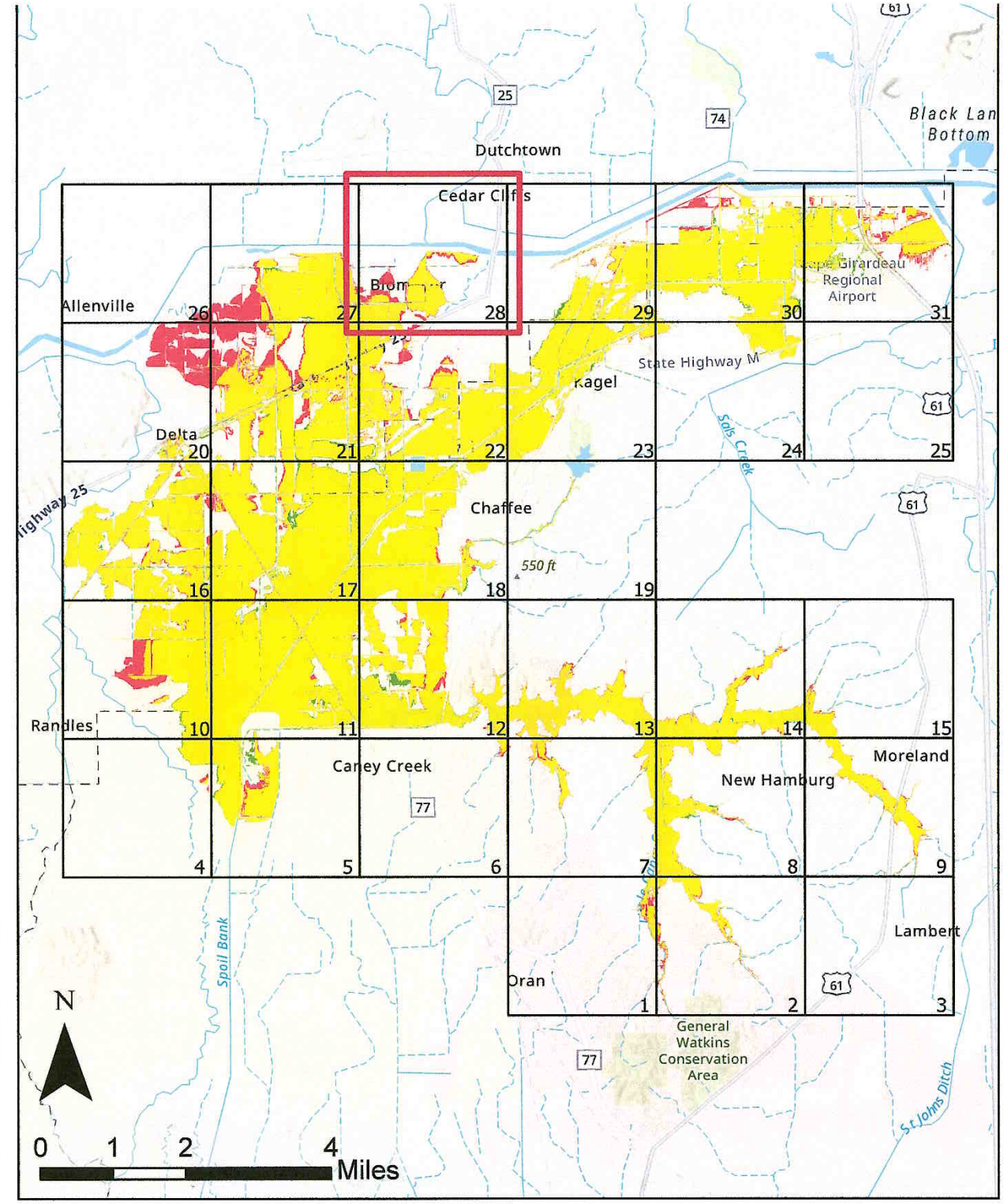
100yr With Project
100yr Without Project
100yr Area of Overlap

Page 27 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

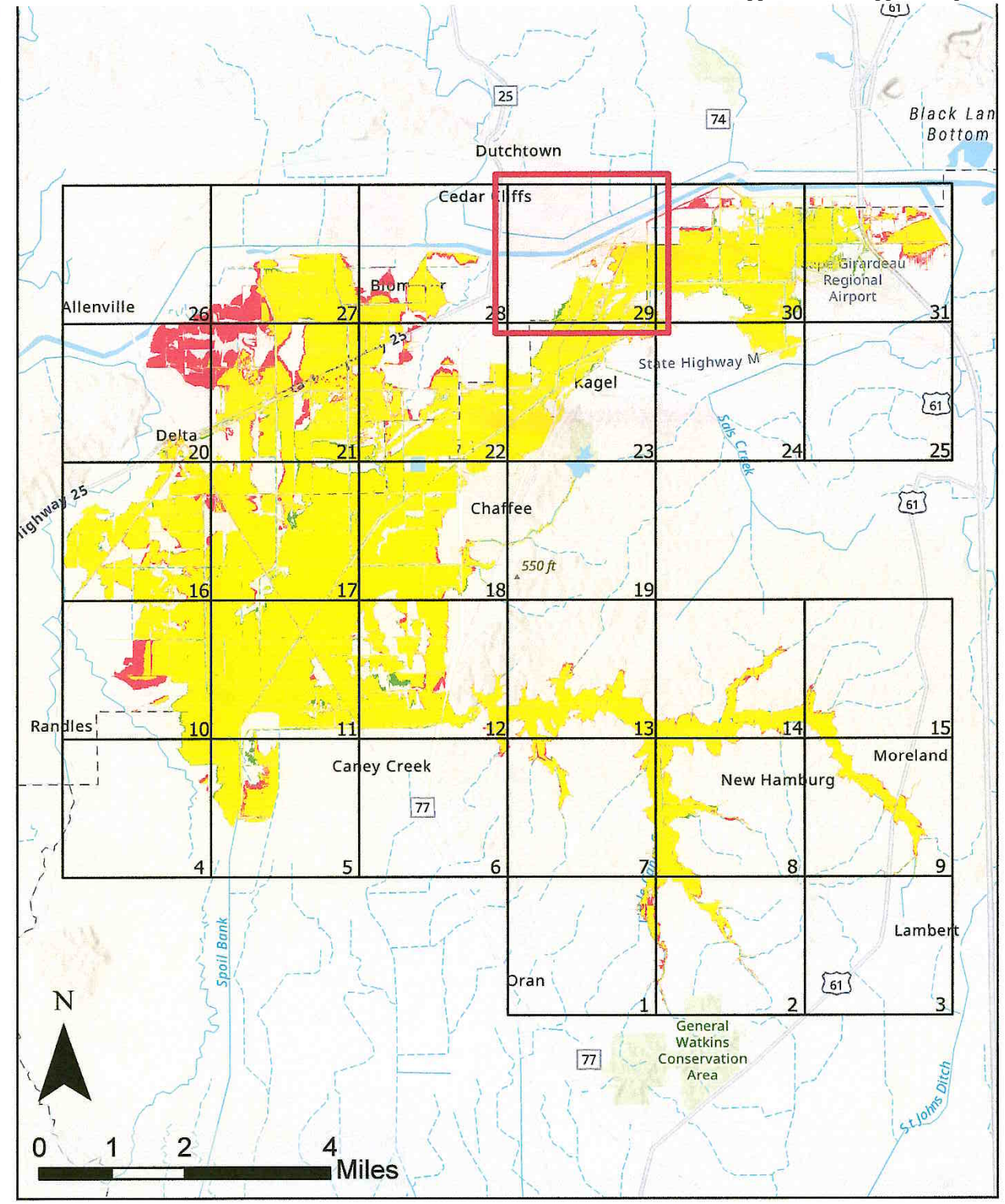
100yr Without Project

100yr Area of Overlap

Page 28 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA



100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

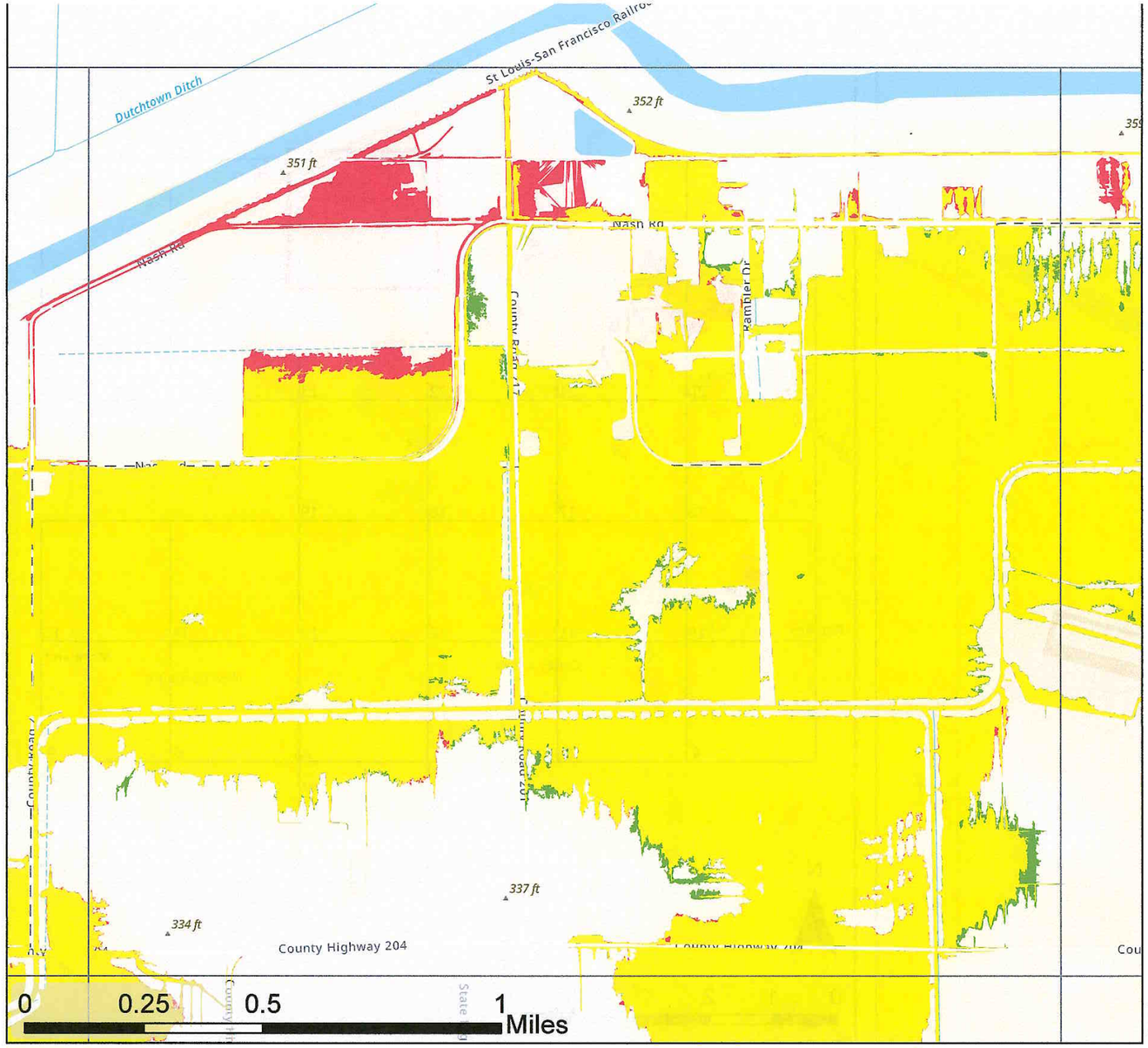
100yr Without Project

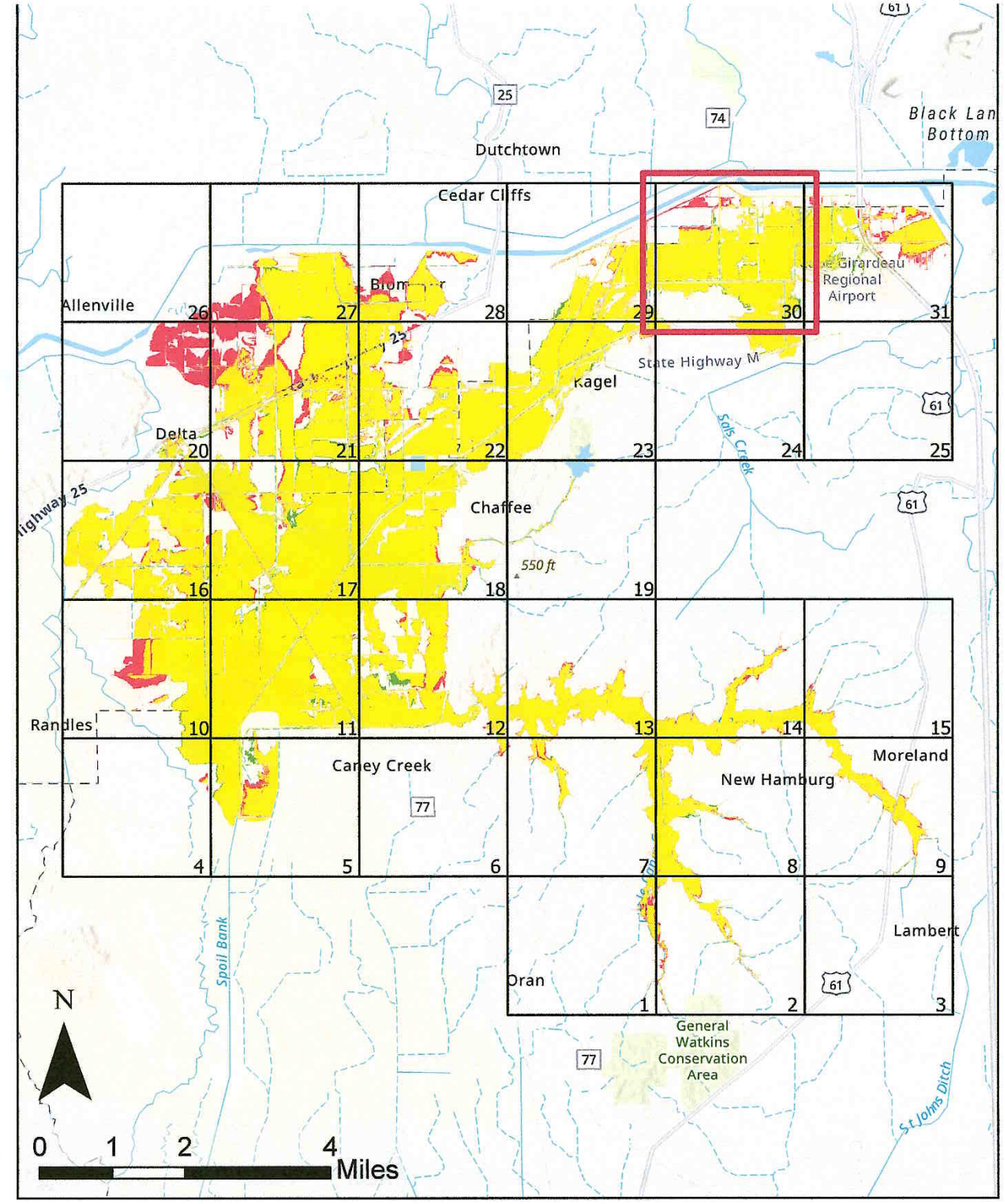
100yr Area of Overlap

Page 29 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project

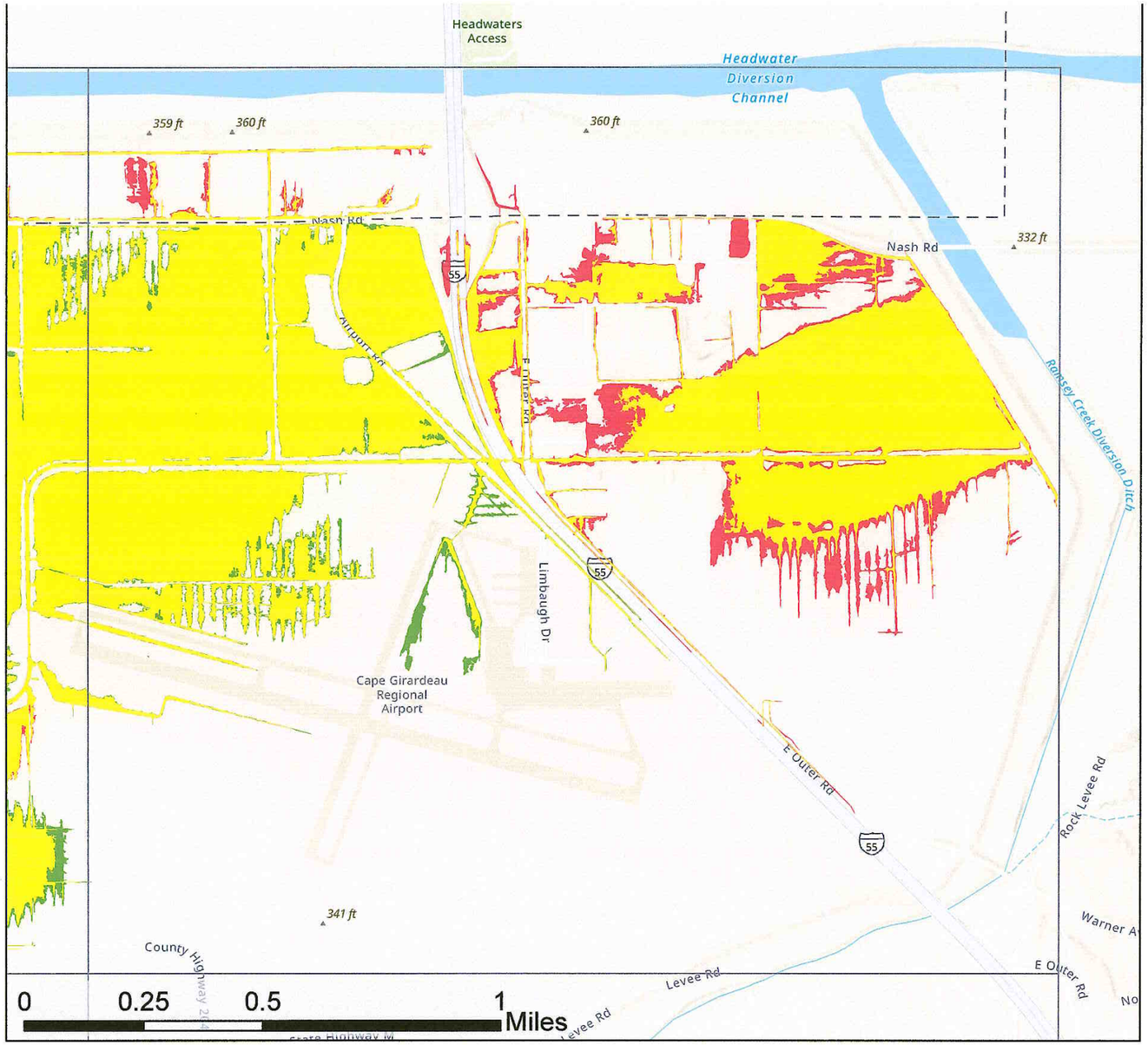
100yr Without Project

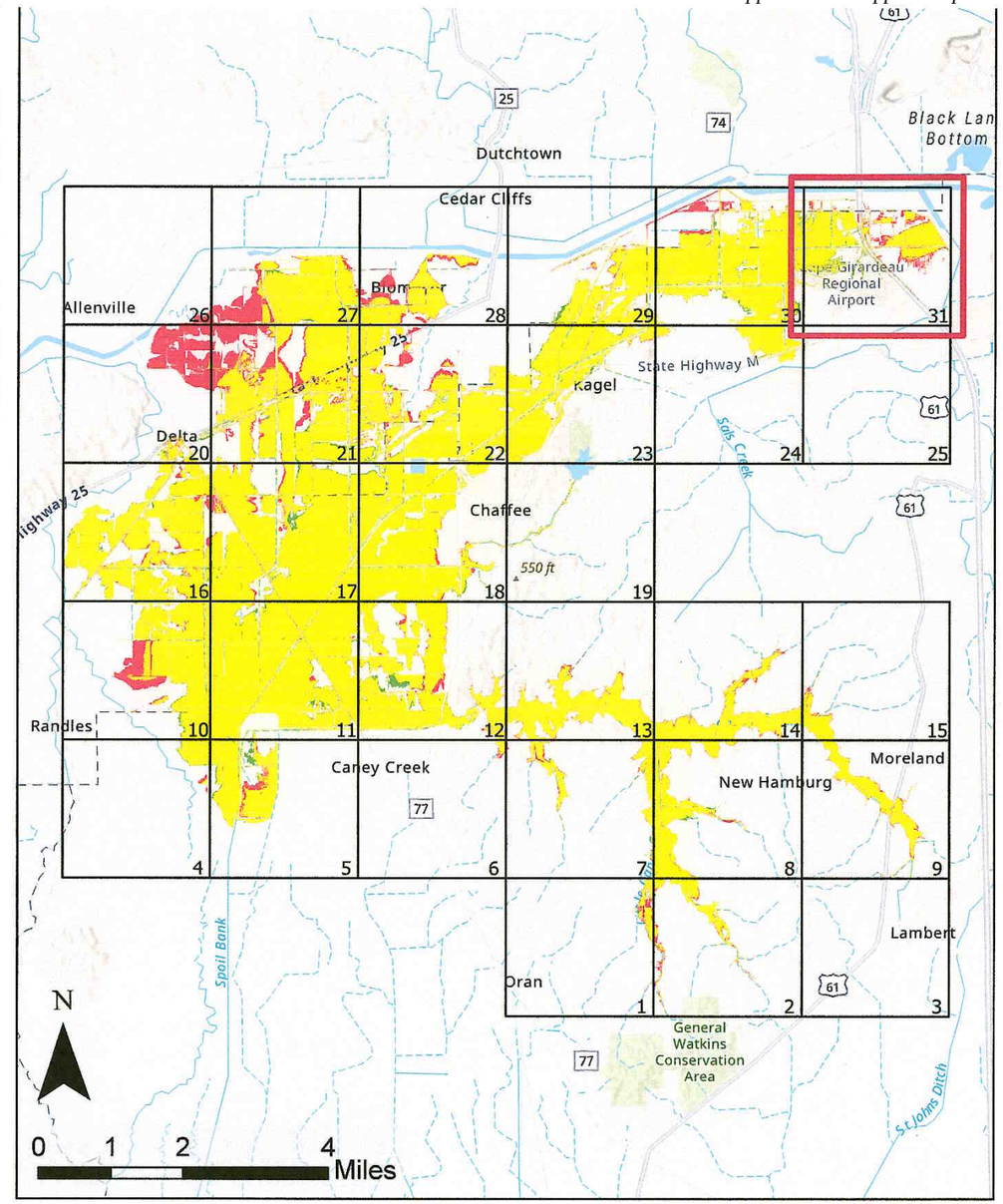
100yr Area of Overlap

Page 30 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA





100yr Floodplain Comparison

Whitewater River Watershed
Cape Girardeau and Scott Counties, MO

100yr With Project
100yr Without Project
100yr Area of Overlap

Page 31 of 31

Nov 2024

Map intended for planning purposes only
Data sources: ESRI, FEMA