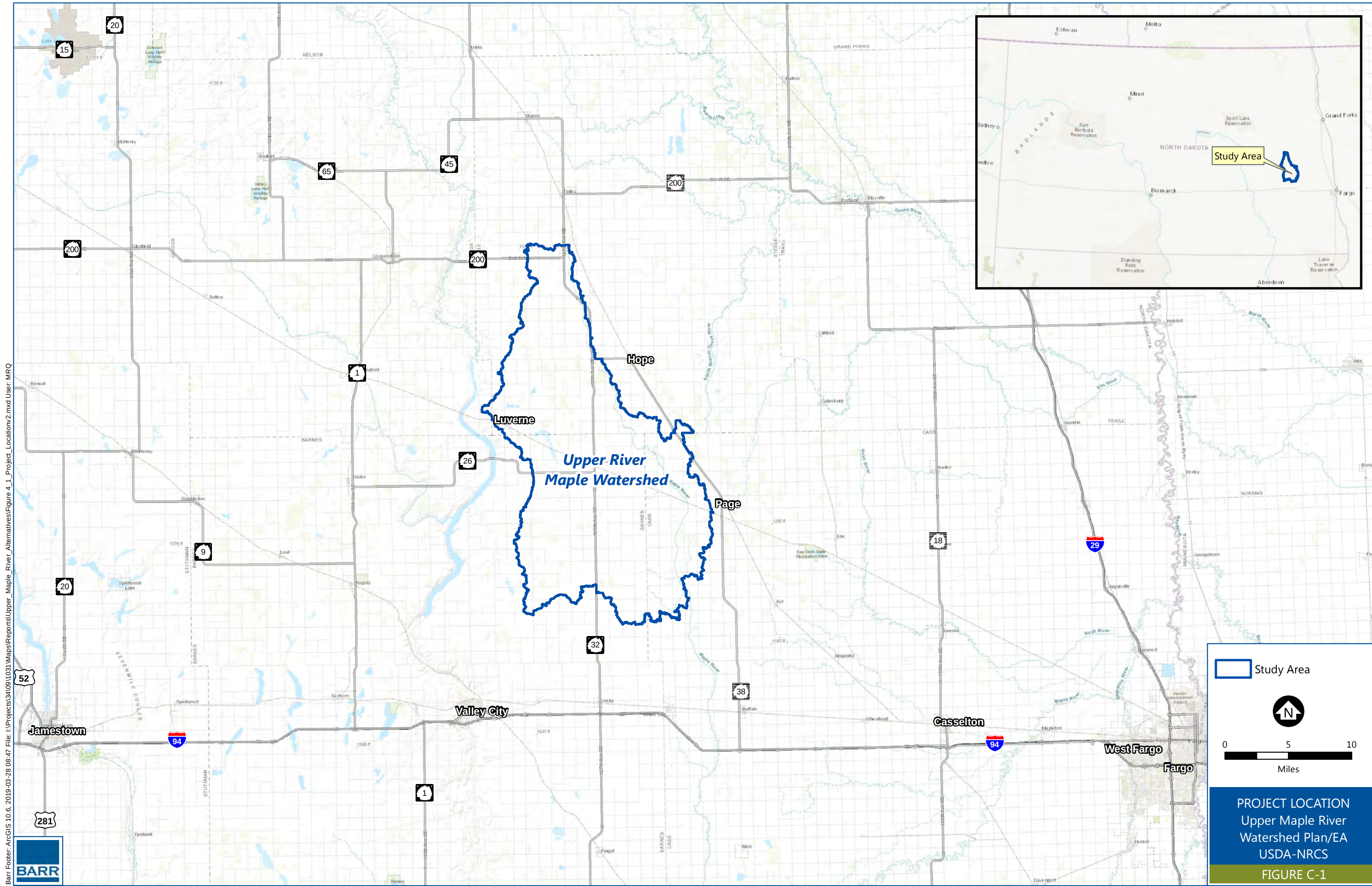


Appendix C

Support Maps



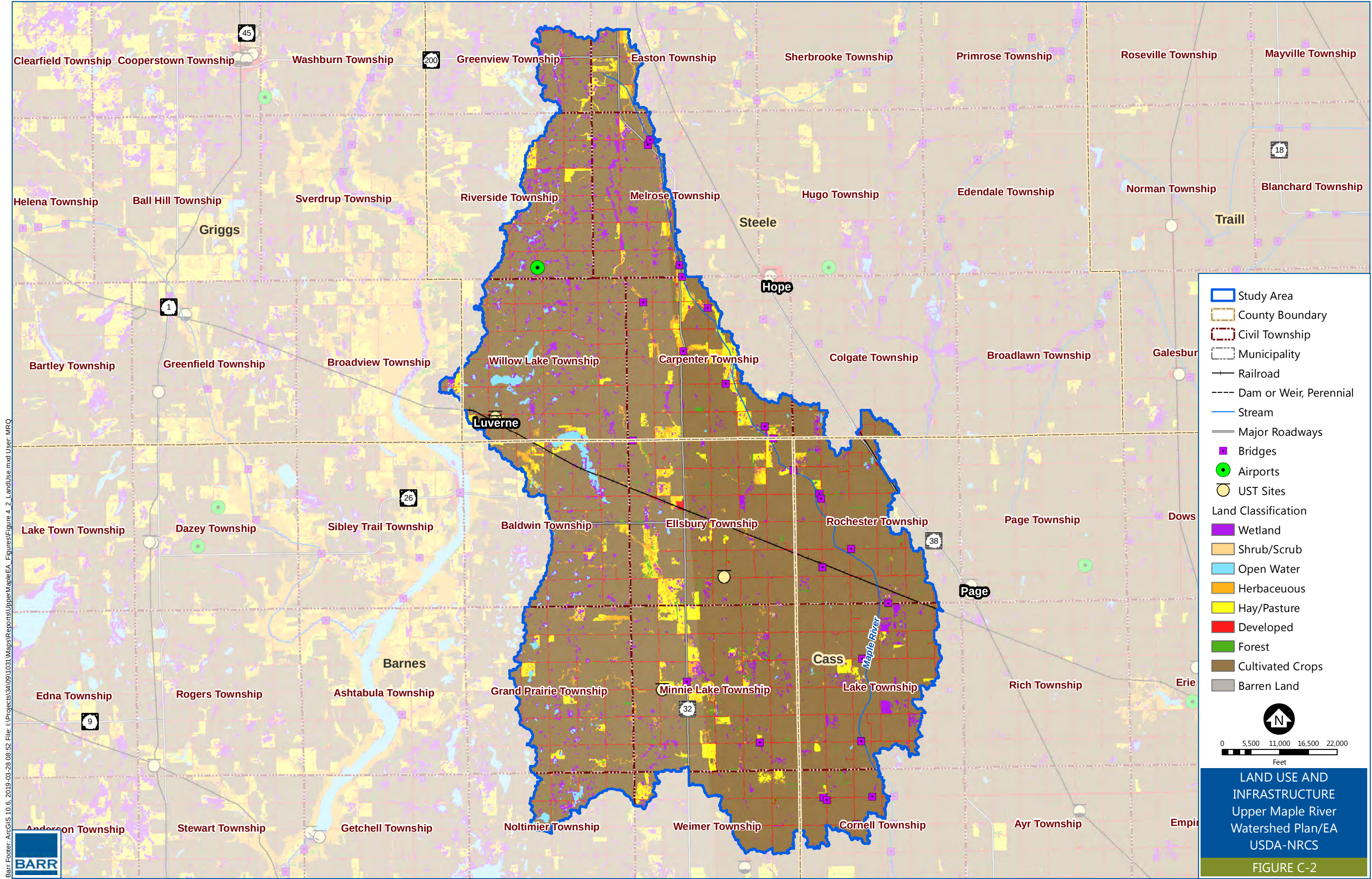
Study Area

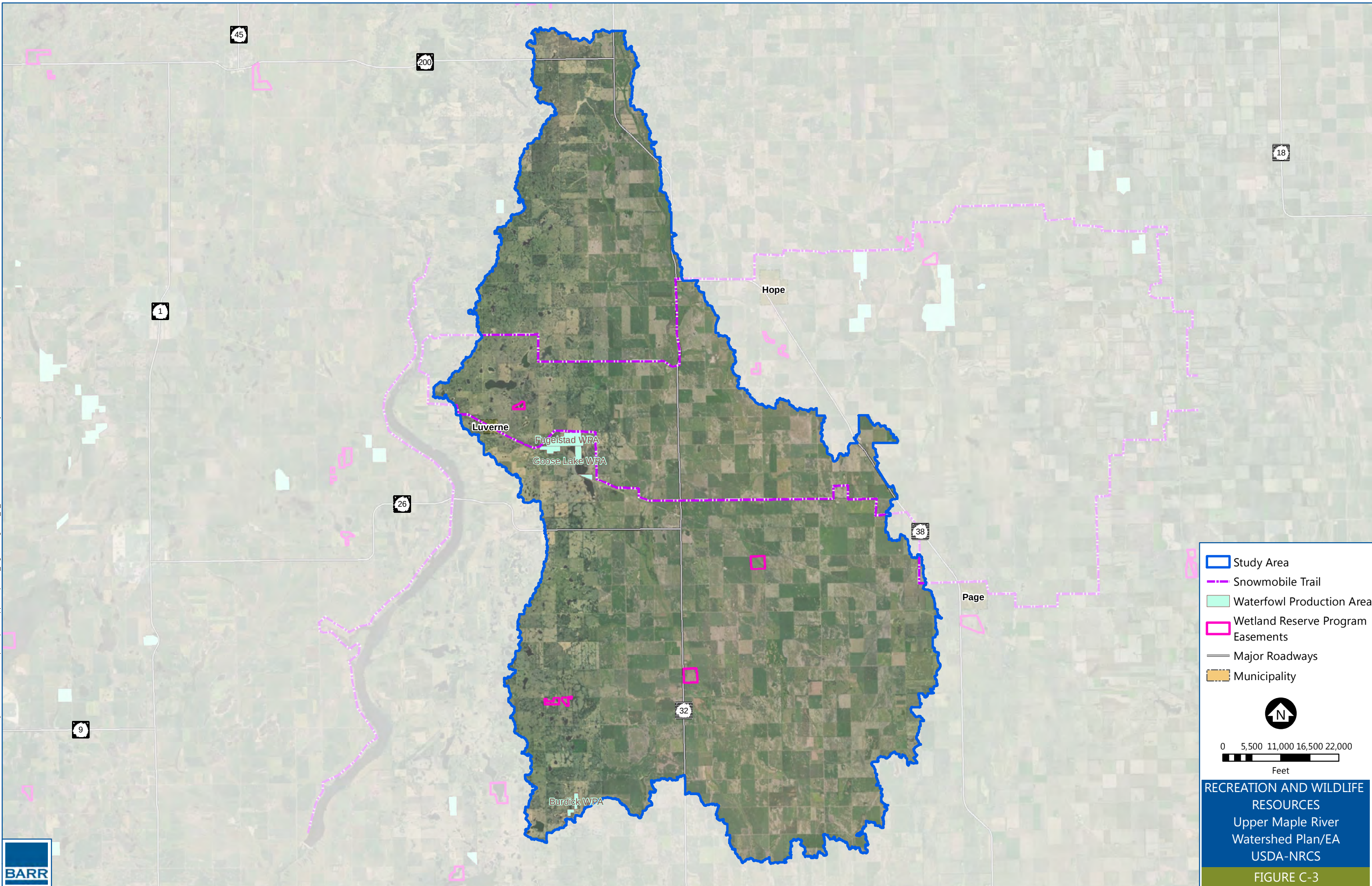


0 5 10
Miles

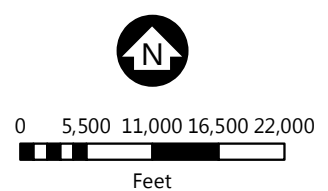
PROJECT LOCATION
Upper Maple River
Watershed Plan/EA
USDA-NRCS

FIGURE C-1



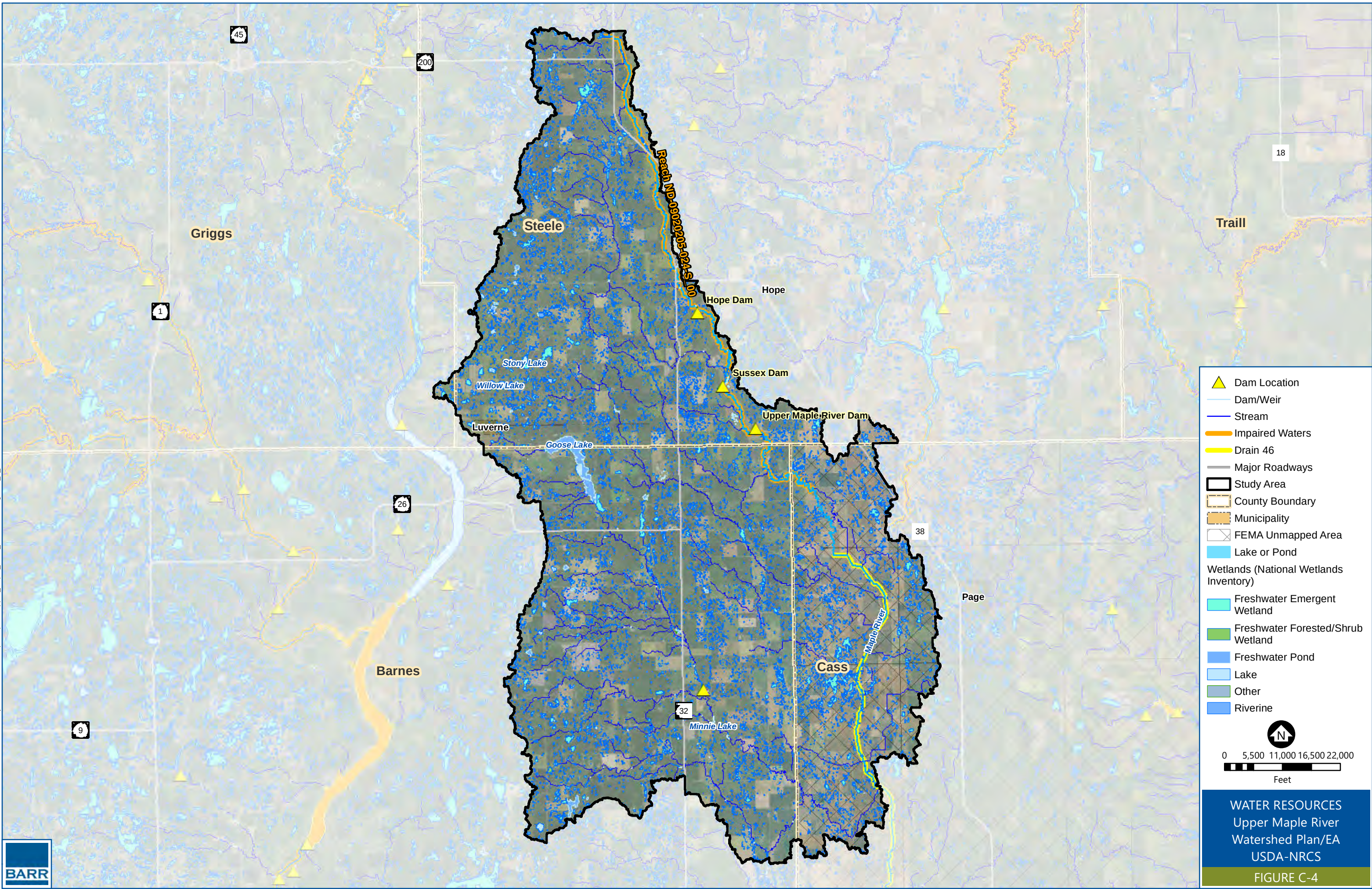


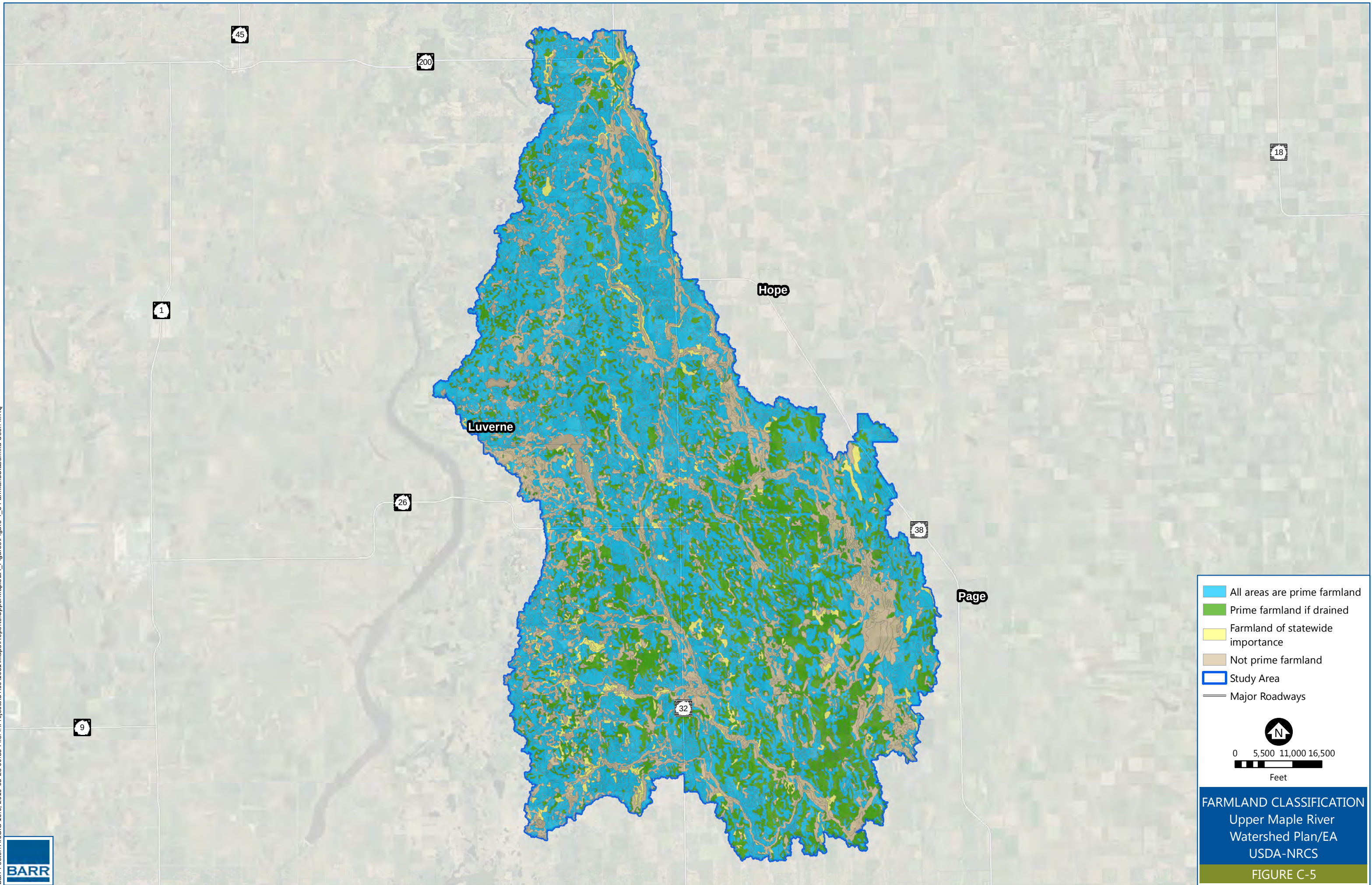
- Study Area
- Snowmobile Trail
- Waterfowl Production Area
- Wetland Reserve Program Easements
- Major Roadways
- Municipality

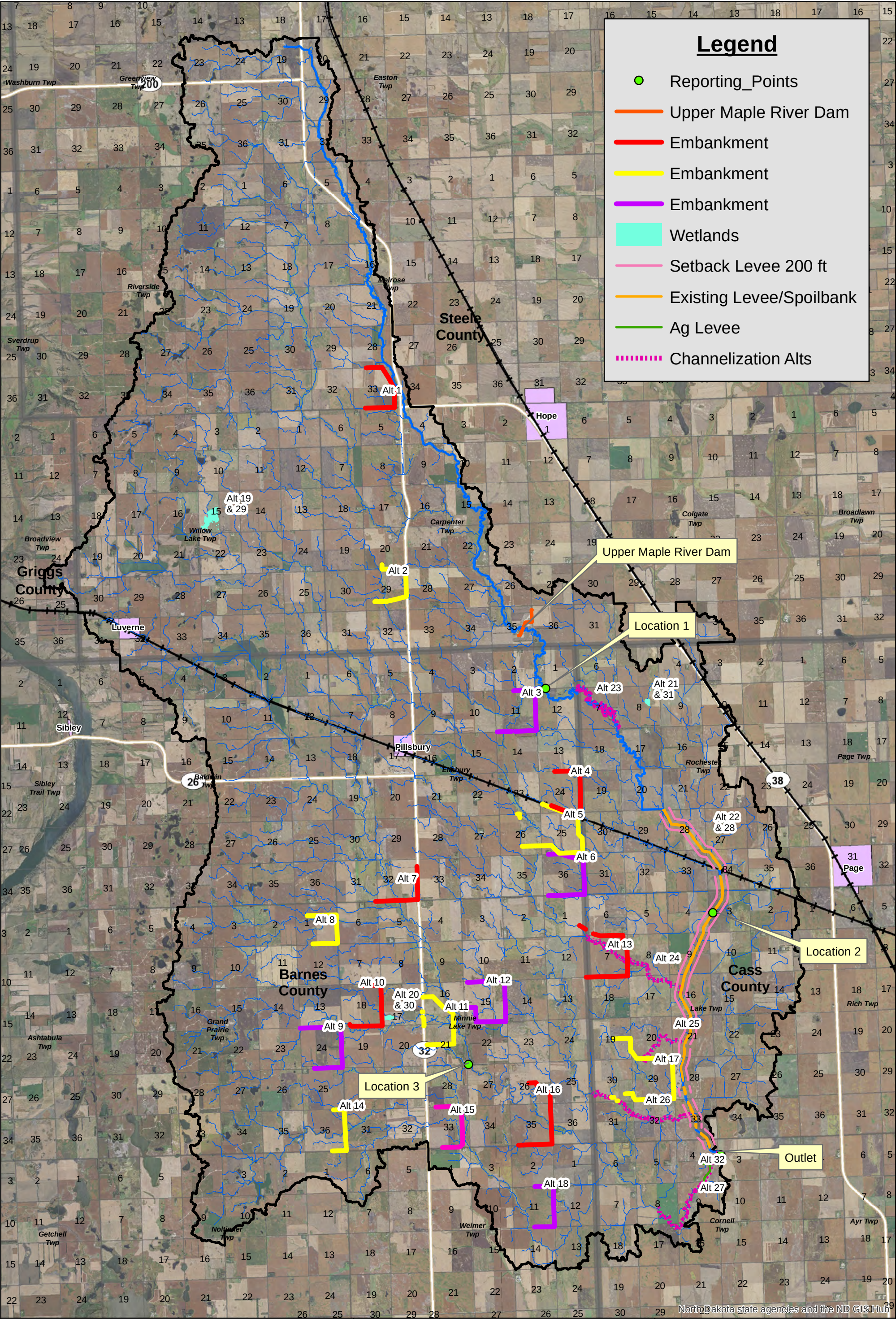


RECREATION AND WILDLIFE
RESOURCES
Upper Maple River
Watershed Plan/EA
USDA-NRCS
FIGURE C-3

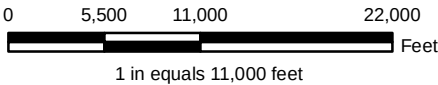
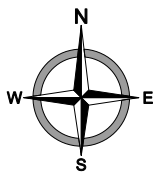


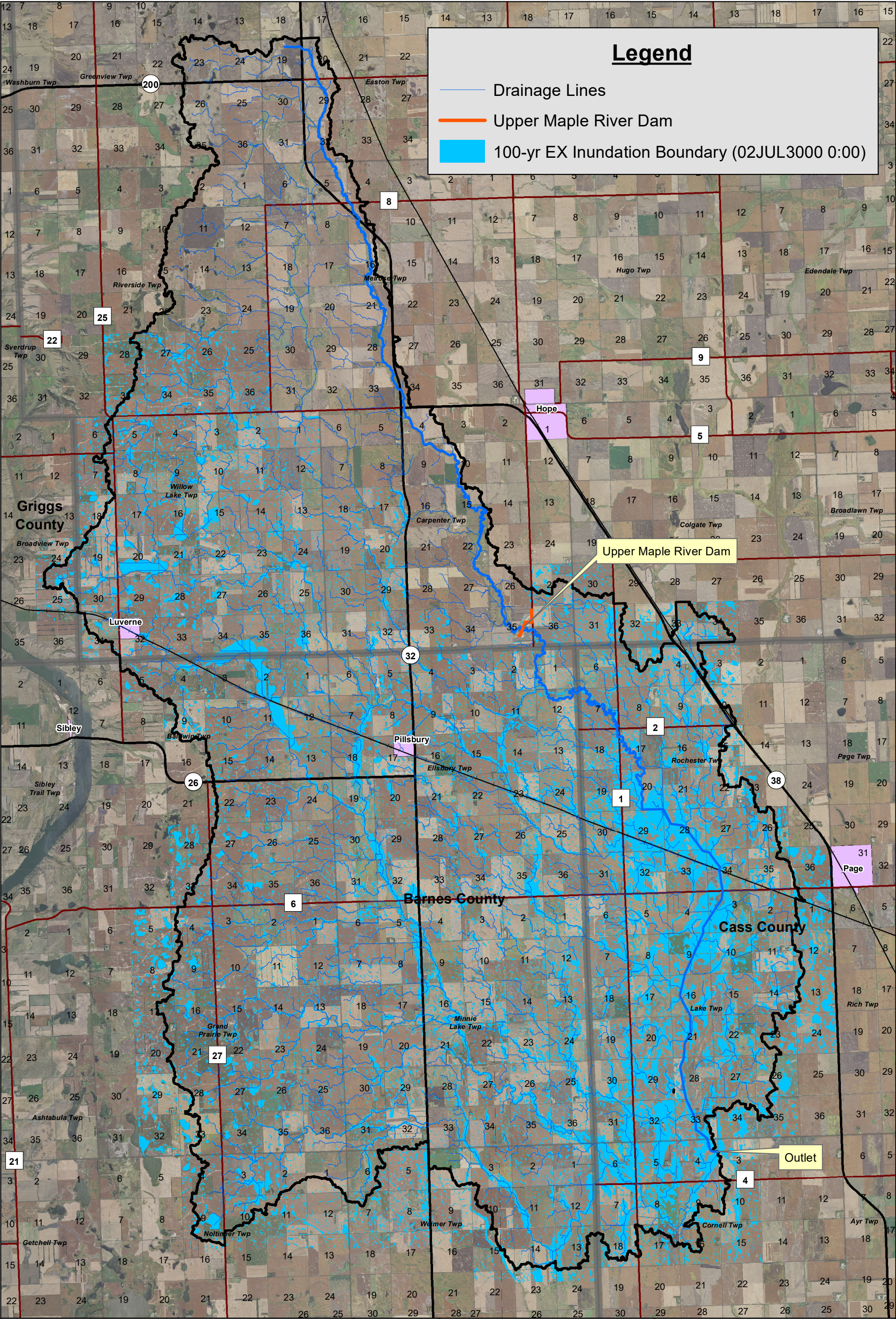






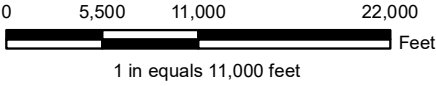
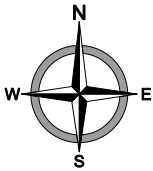
**PRELIMINARY ALTERNATIVES
RCPP UPPER MAPLE RIVER WATERSHED
CASS, BARNES, AND STEELE CO., NORTH DAKOTA**



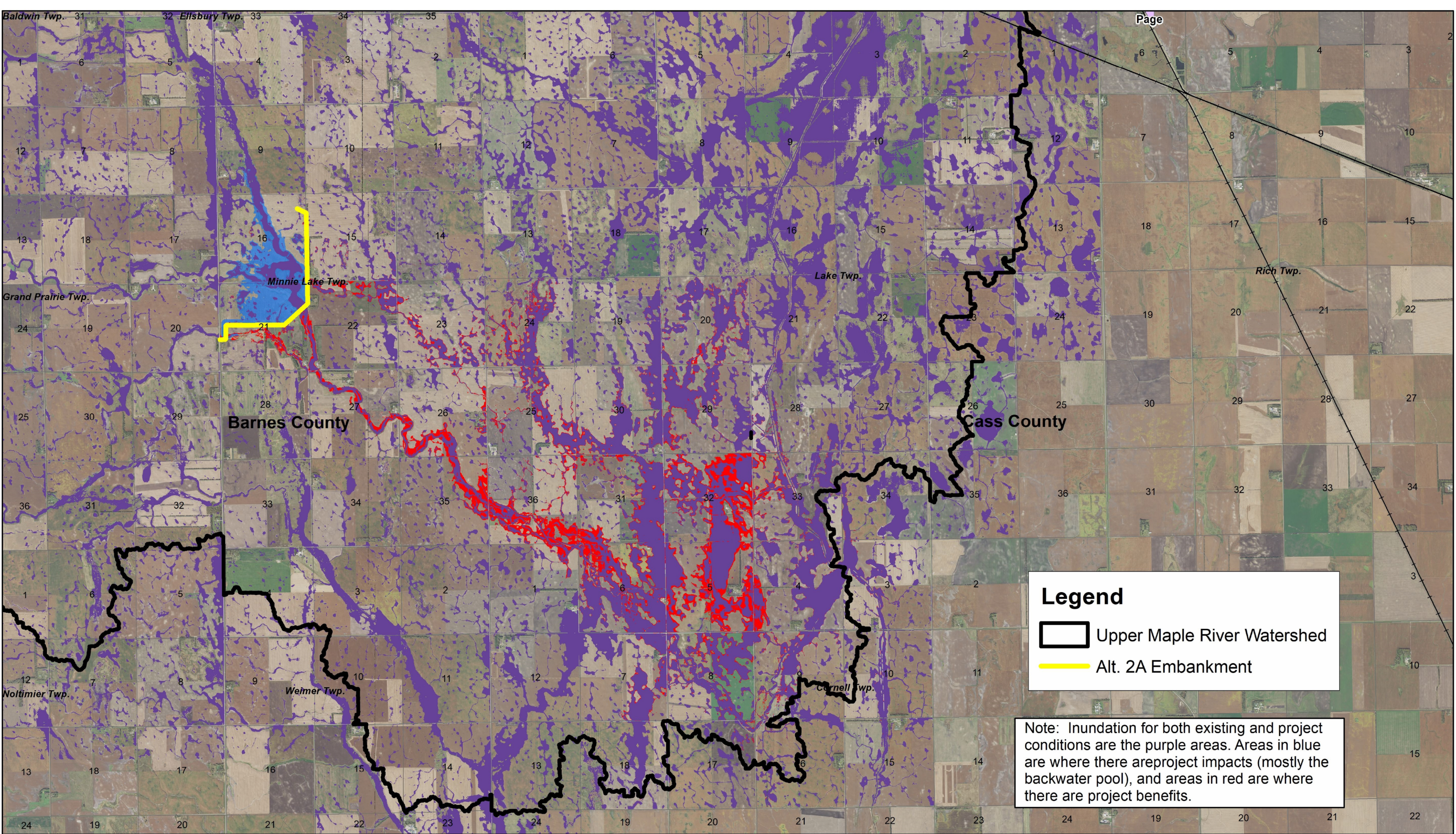


**100-YR EXISTING INUNDATION
RCPP UPPER MAPLE RIVER WATERSHED
CASS, BARNES, AND STEELE CO., NORTH DAKOTA**

Created By: KTH Date Created: 09/26/2023 Date Saved: 09/26/23 Date Exported: 09/26/23
Plotted By: kyle haffiger Image: 2015 County NAIP SIDS
Horizontal Datum: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet Vertical Datum: NAVD1988
Q:\Projects\18000\18700\18746\104_Formulate_Alternatives\Hydraulics\Results\Inundation Maps\UMR_100YR_EX_Watershed.mxd



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engineering, inc.



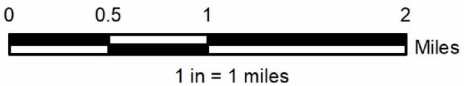
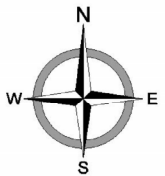
Legend

-  Upper Maple River Watershed
-  Alt. 2A Embankment

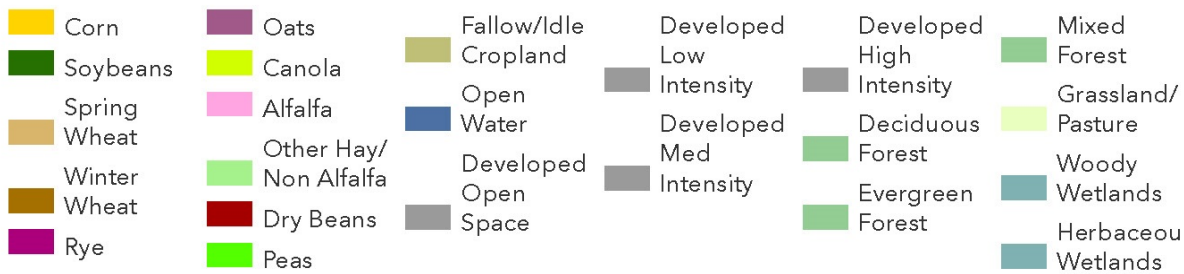
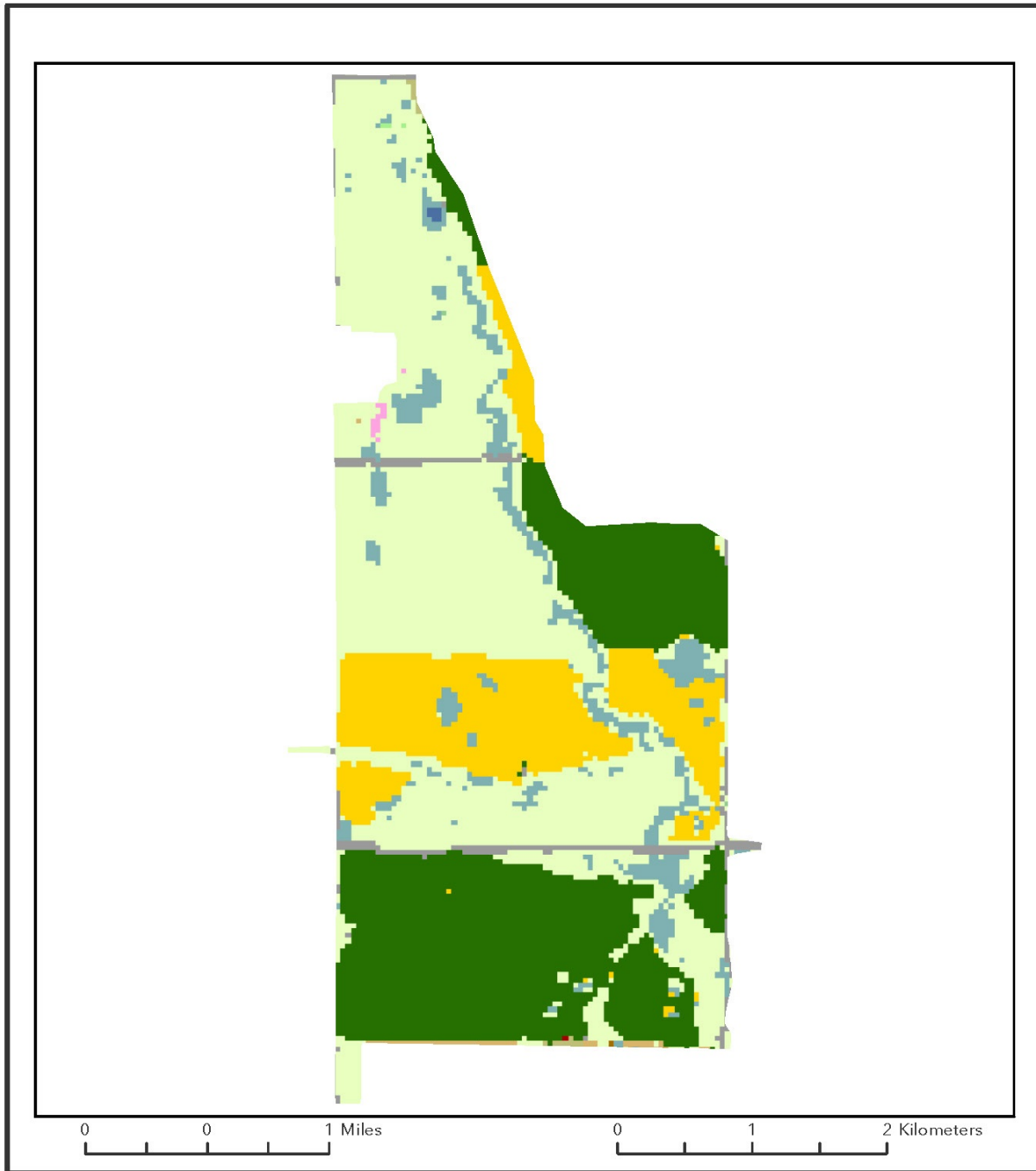
Note: Inundation for both existing and project conditions are the purple areas. Areas in blue are where there are project impacts (mostly the backwater pool), and areas in red are where there are project benefits.

HEC-RAS 2D 100-YR INUNDATION MAP - ALTERNATIVE 2A RCPP UPPER MAPLE RIVER WATERSHED CASS, BARNES, AND STEELE CO., NORTH DAKOTA

Created By: KTH Date Created: 06/19/20 Date Saved: 06/23/20
Plotted By: kyle.haffiger Aerial Image: 2015 County NAIP SIDS
Horizontal Datum: NAD 1983 UTM Zone 14N Vertical Datum: NAVD1988
Q:\Projects\18000\18700\18746\104_Formulate_Alternatives\Hydraulics\Results\Inundation Maps\UMR_ALT2A_100YR24HR_02JUL3000_dws.mxd



Spatial Reference:
 Name: WGS 1984 Web
 Mercator Auxiliary
 Sphere
 Datum: WGS 1984
 Projection: Mercator
 Auxiliary Sphere



**ALTERNATIVE 2A - Barnes
 County T R
 2023 Cropland CROS Data/
 LAND USE
 Upper Maple Watershed Plan**

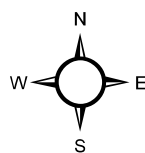
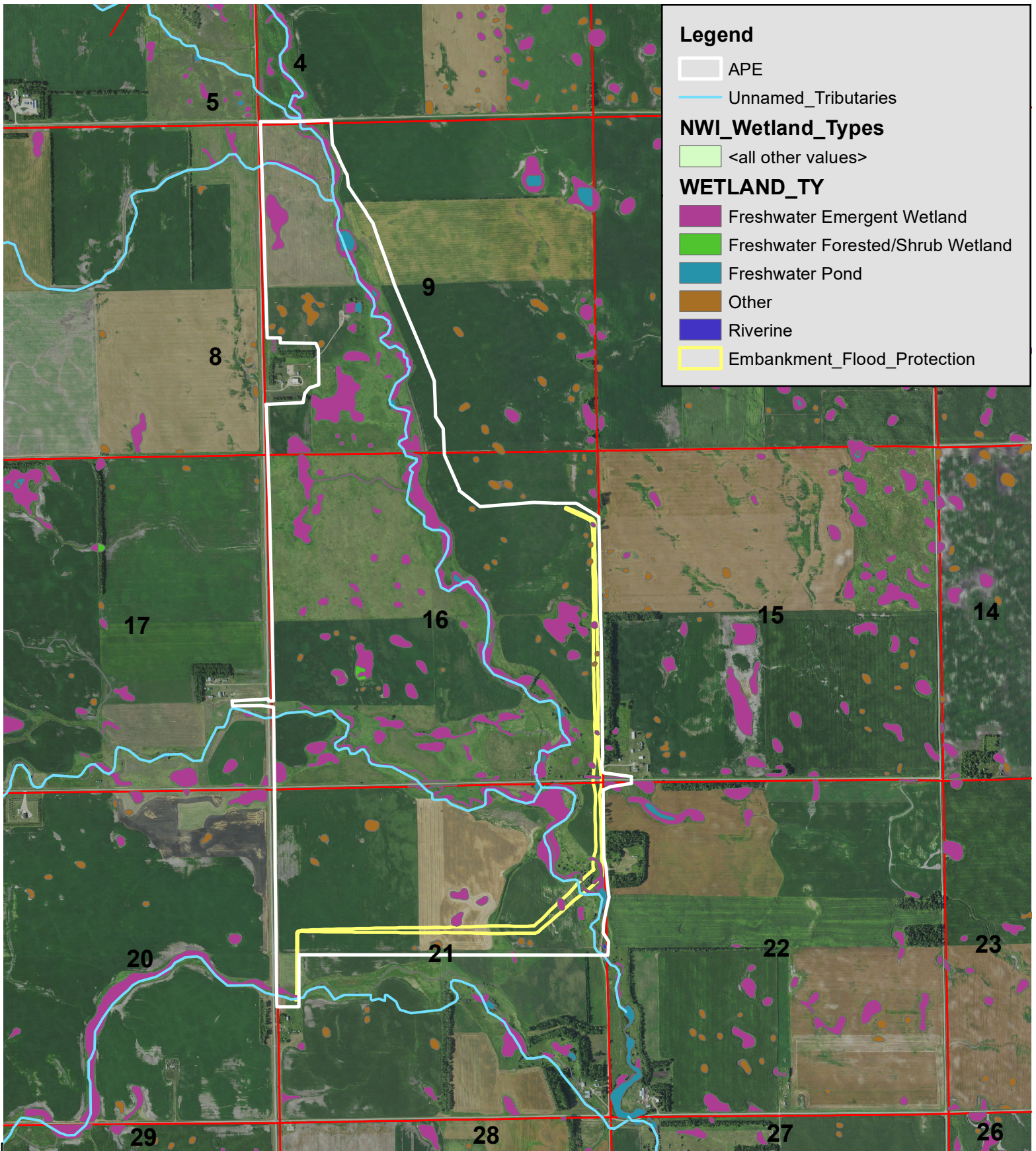


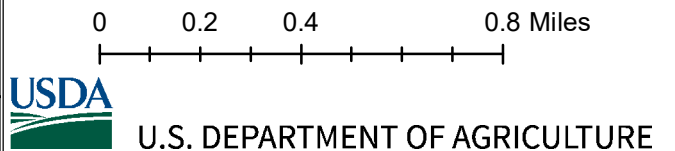
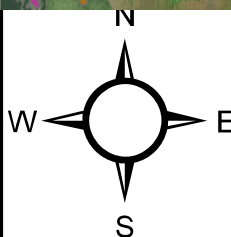
Figure C-9

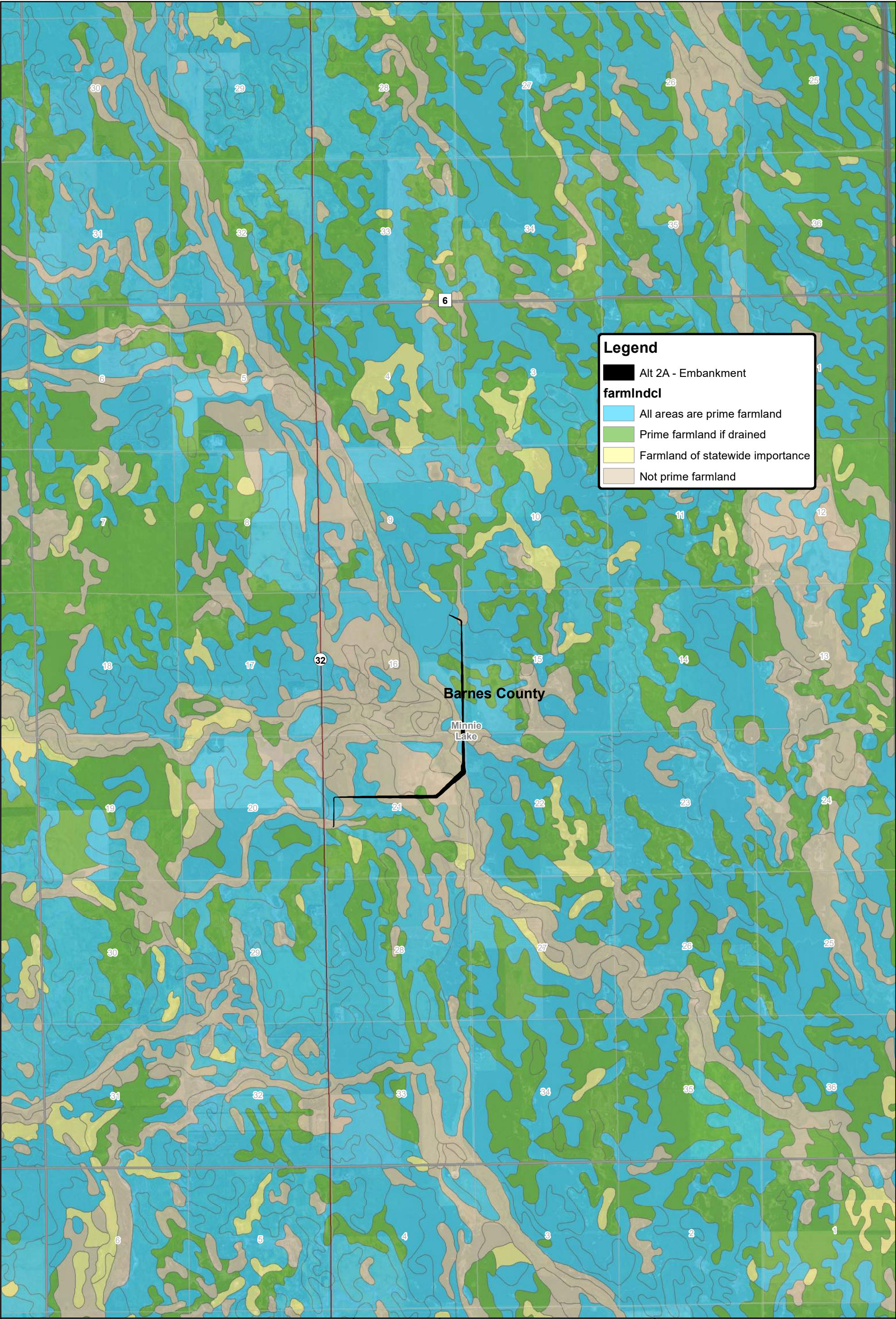
U.S. DEPARTMENT OF AGRICULTURE

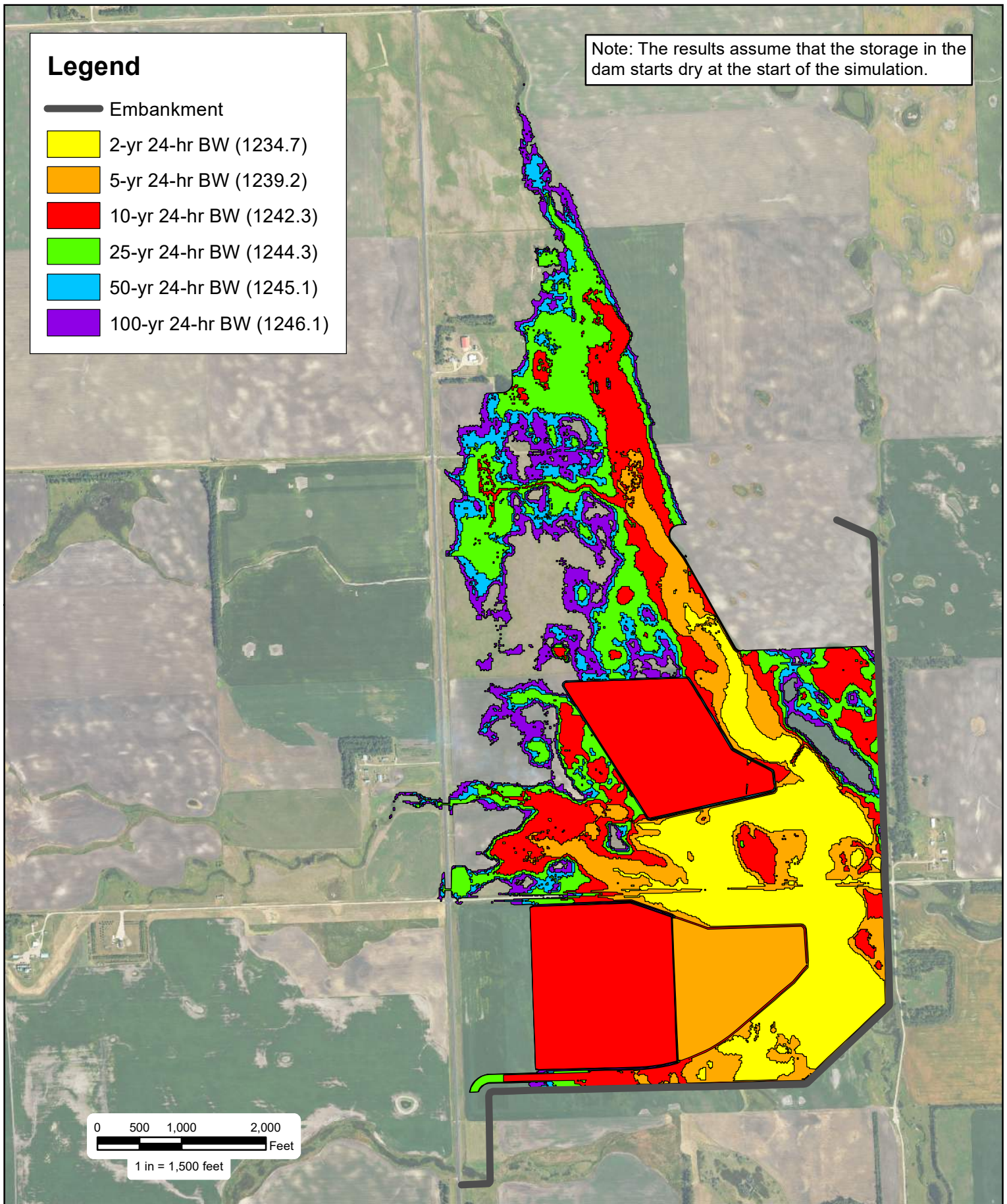


ALTERNATIVE 2A - Water Resources
Upper Maple River Watershed Plan
Barnes Co. ND, T143-R56
USDA/NRCS

Figure C-10

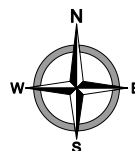






**Figure C-12: Alternative 2A Backwater
Upper Maple Watershed RCPP**

Created By: KTH Date Created: 05/26/23 Date Saved: 05/26/23 Date Exported: 05/26/23
Plotted By: kyle.hafliger Aerial Image: 2019 County NAIP SIDS
Horizontal Datum: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet Vertical Datum: NAVD1988
Q:\Projects\18000\18700\18746\104_Formulate_Alternatives\Hydraulics\Results\Inundation Maps\UMR_ALT2A_upd_backwater.mxd



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