

Figure 1: Roseau Lake Rehabilitation and Sprague Creek Restoration project area location.

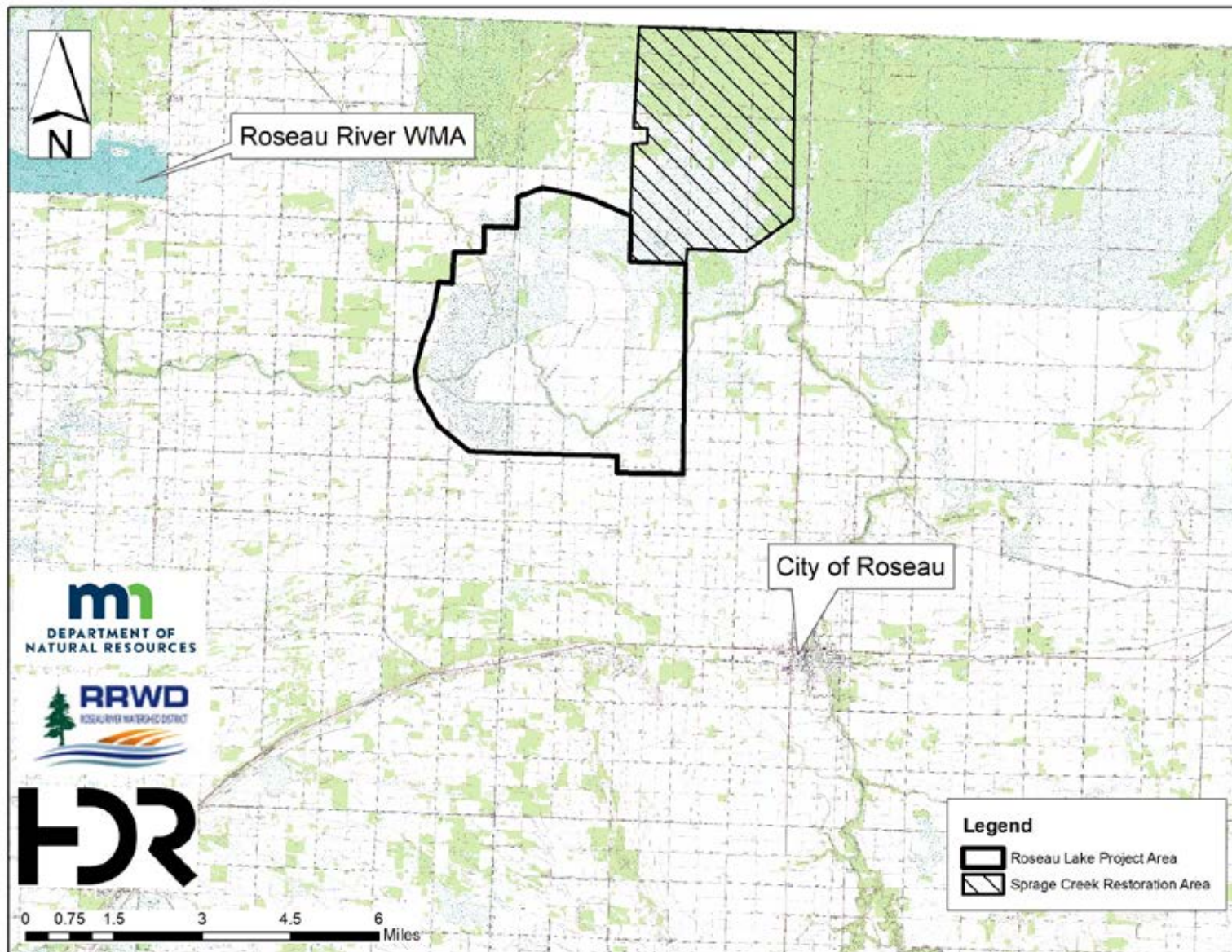


Figure 2: Roseau Lake Rehabilitation and Sprague Creek Restoration project location. Imagery source: USGS 24K Topographic Map.

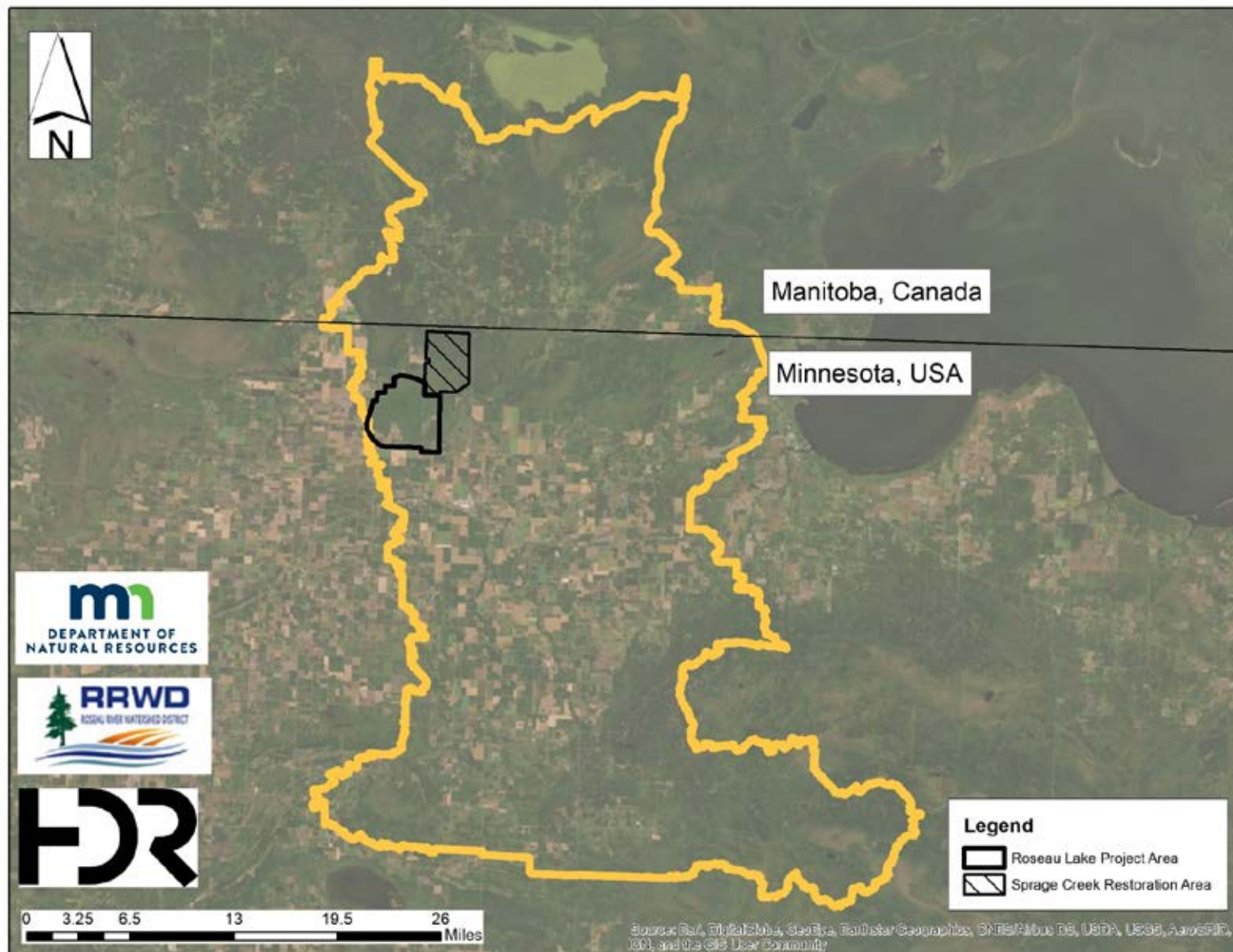


Figure 3: Roseau Lake Rehabilitation and Sprague Creek Restoration project area location with watershed.



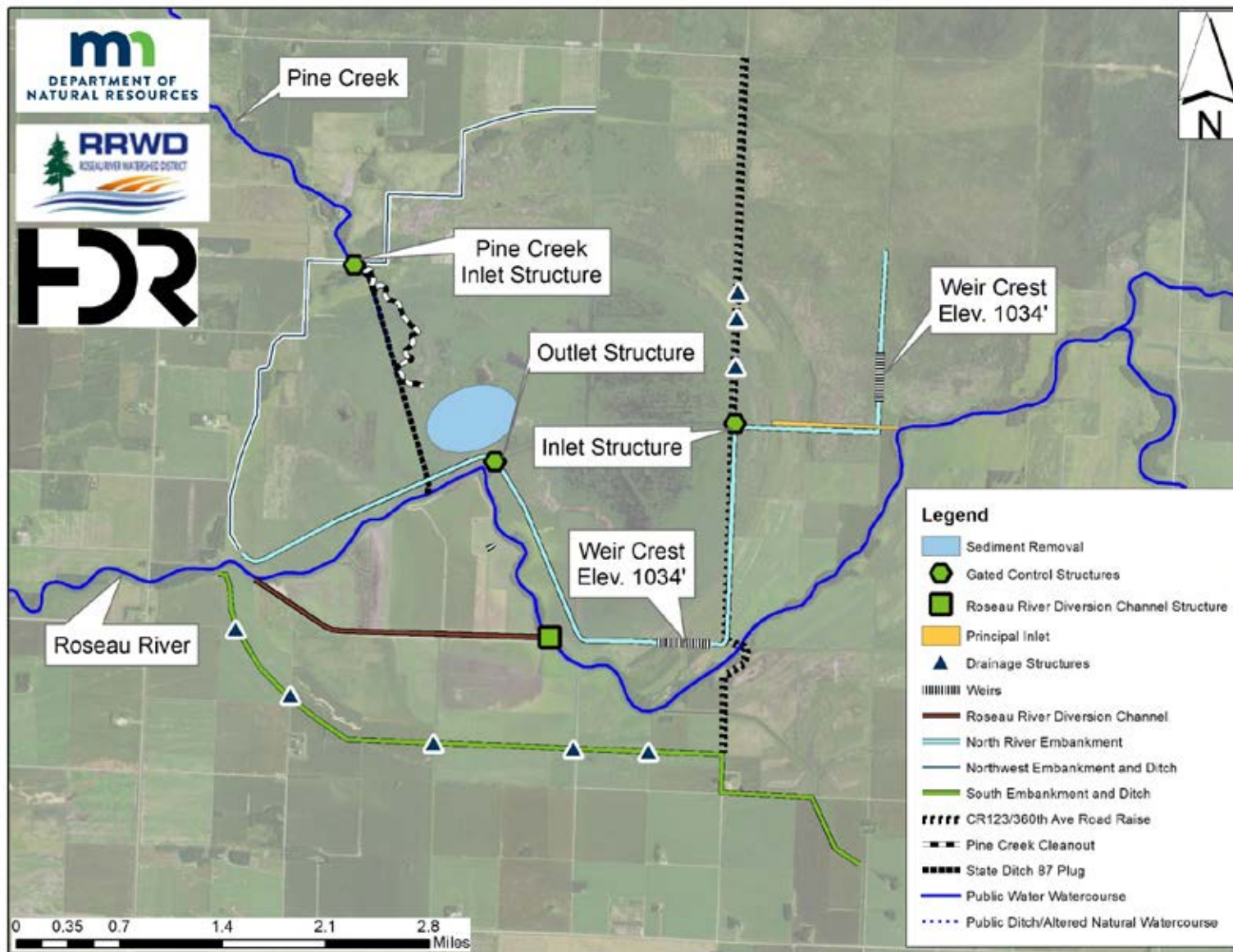


Figure 4: Project components for Roseau Lake Rehabilitation.

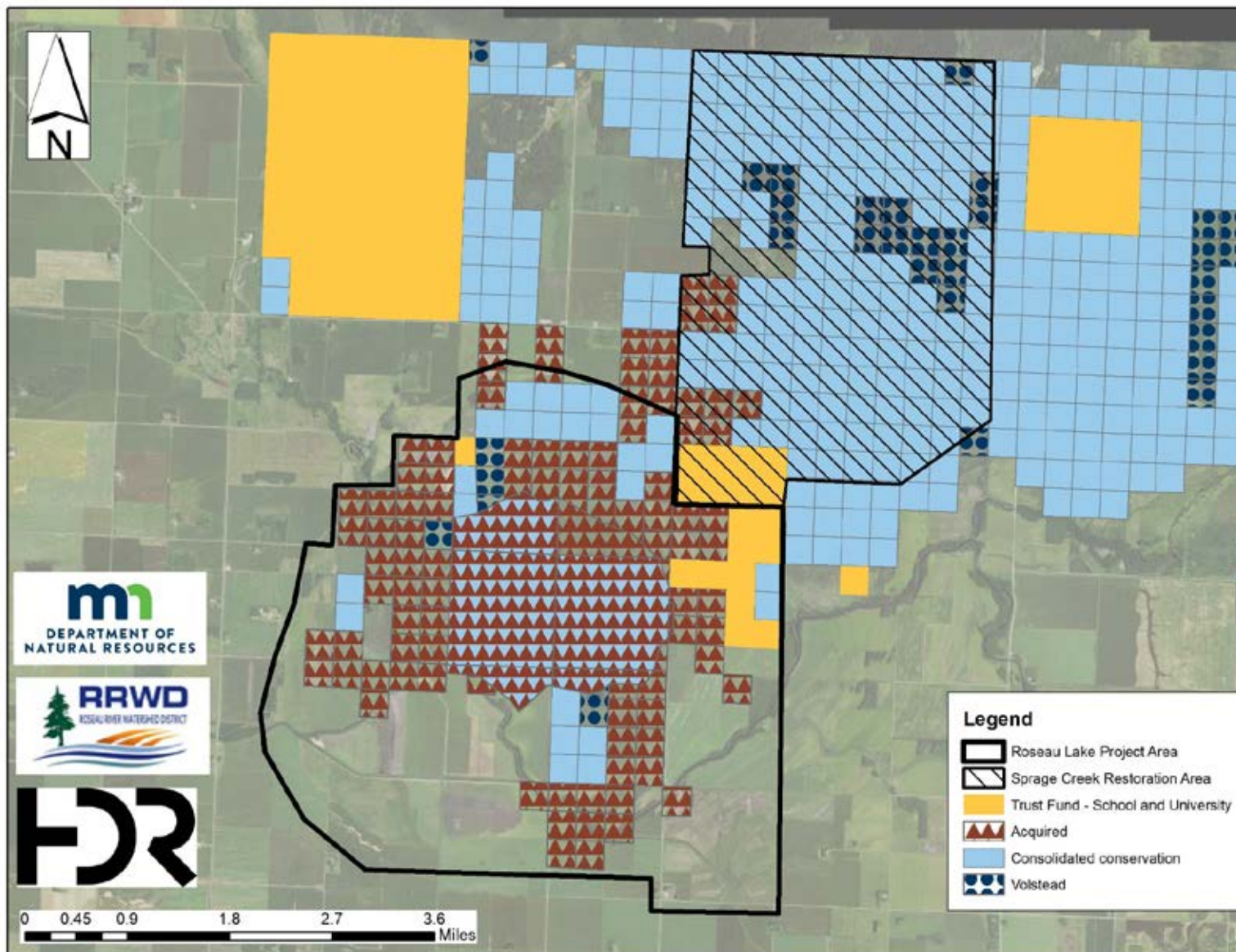


Figure 5: State Lands by interest type in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.



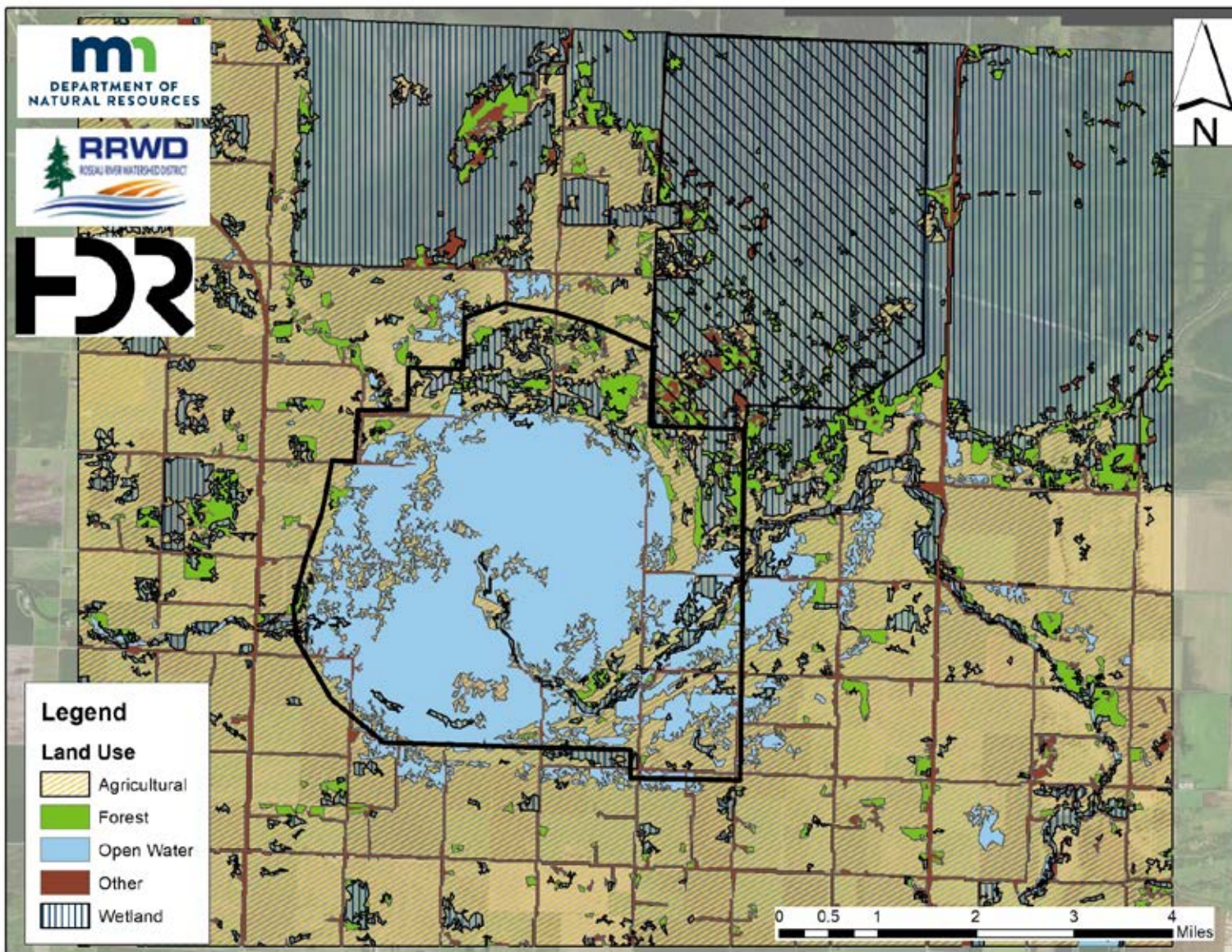


Figure 6: NLCD (2011) land use in Roseau Lake Rehabilitation and Sprague Creek Restoration project area.

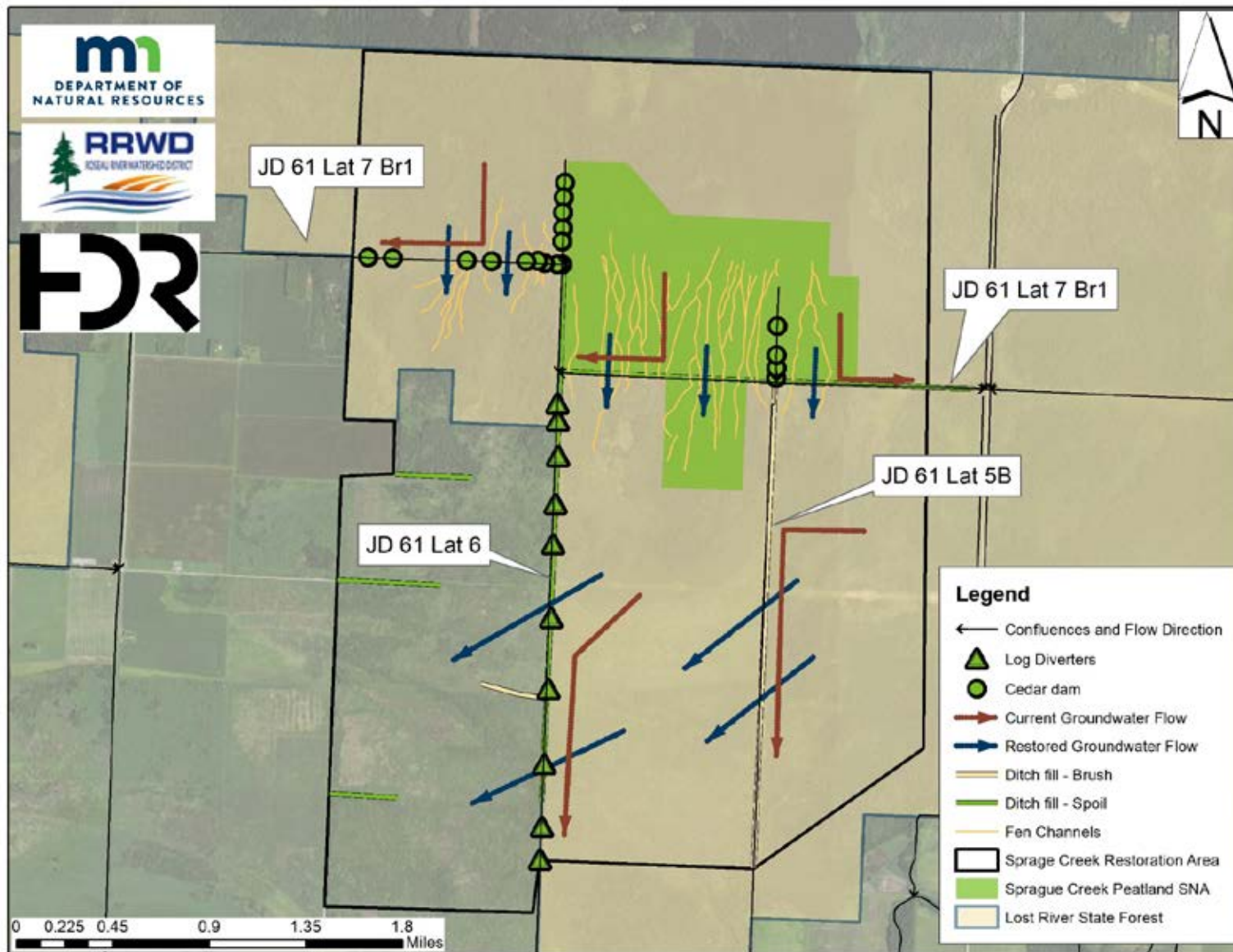


Figure 7: Sprague Creek Restoration project components.



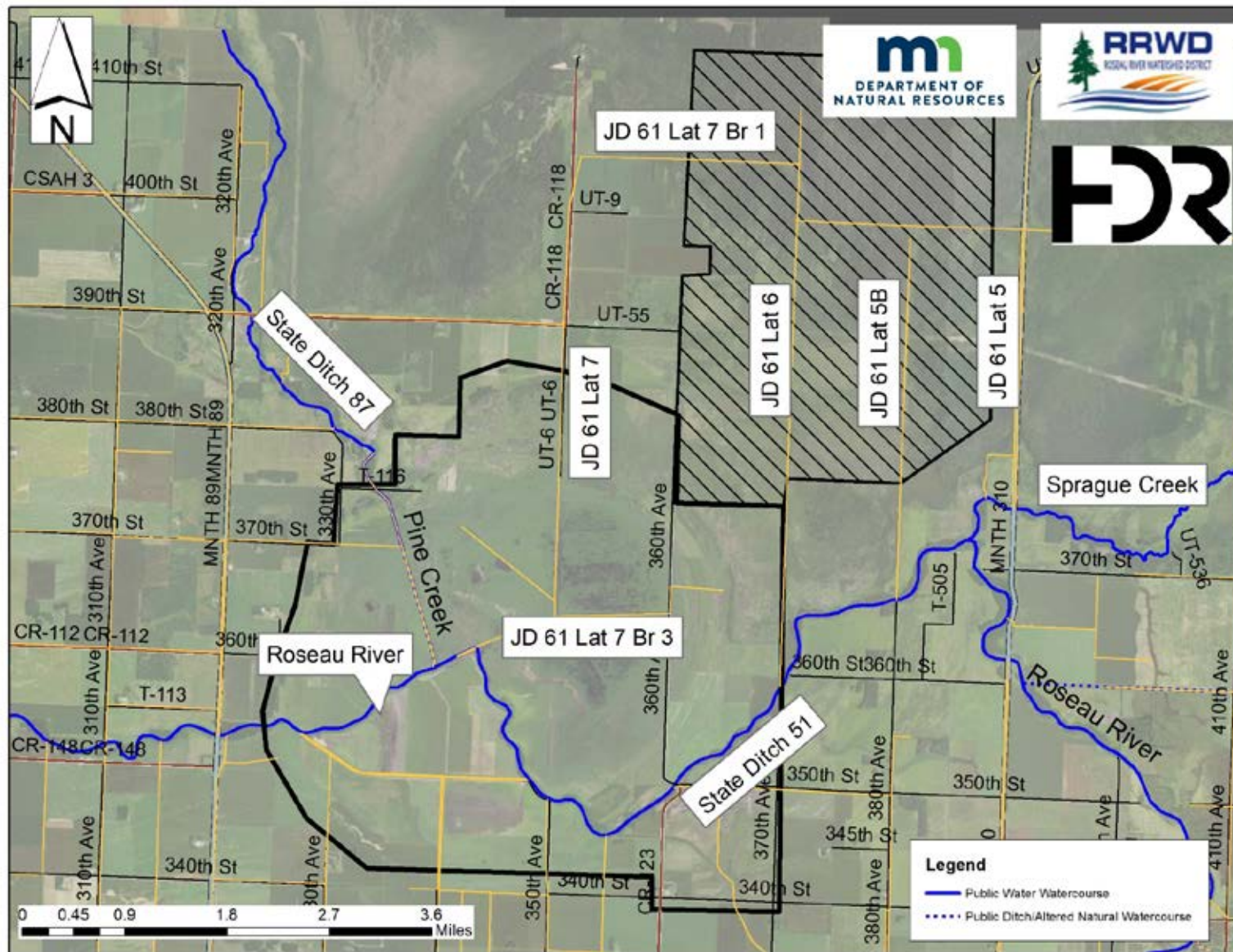


Figure 8: Roads, public waters, and ditches in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.



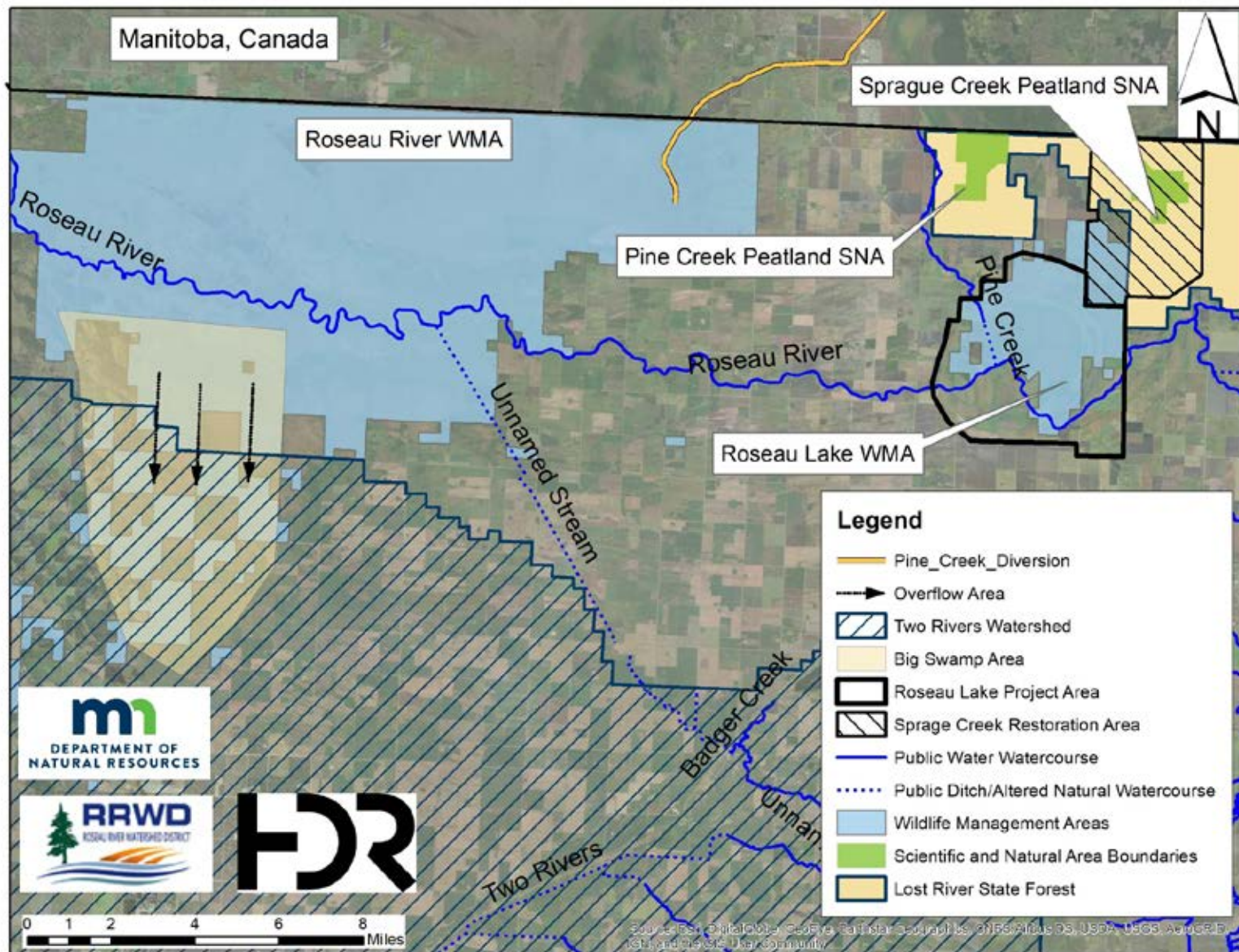


Figure 9: Watershed downstream of Roseau Lake, including the Roseau River Wildlife Management Area and the “Big Swamp” area.



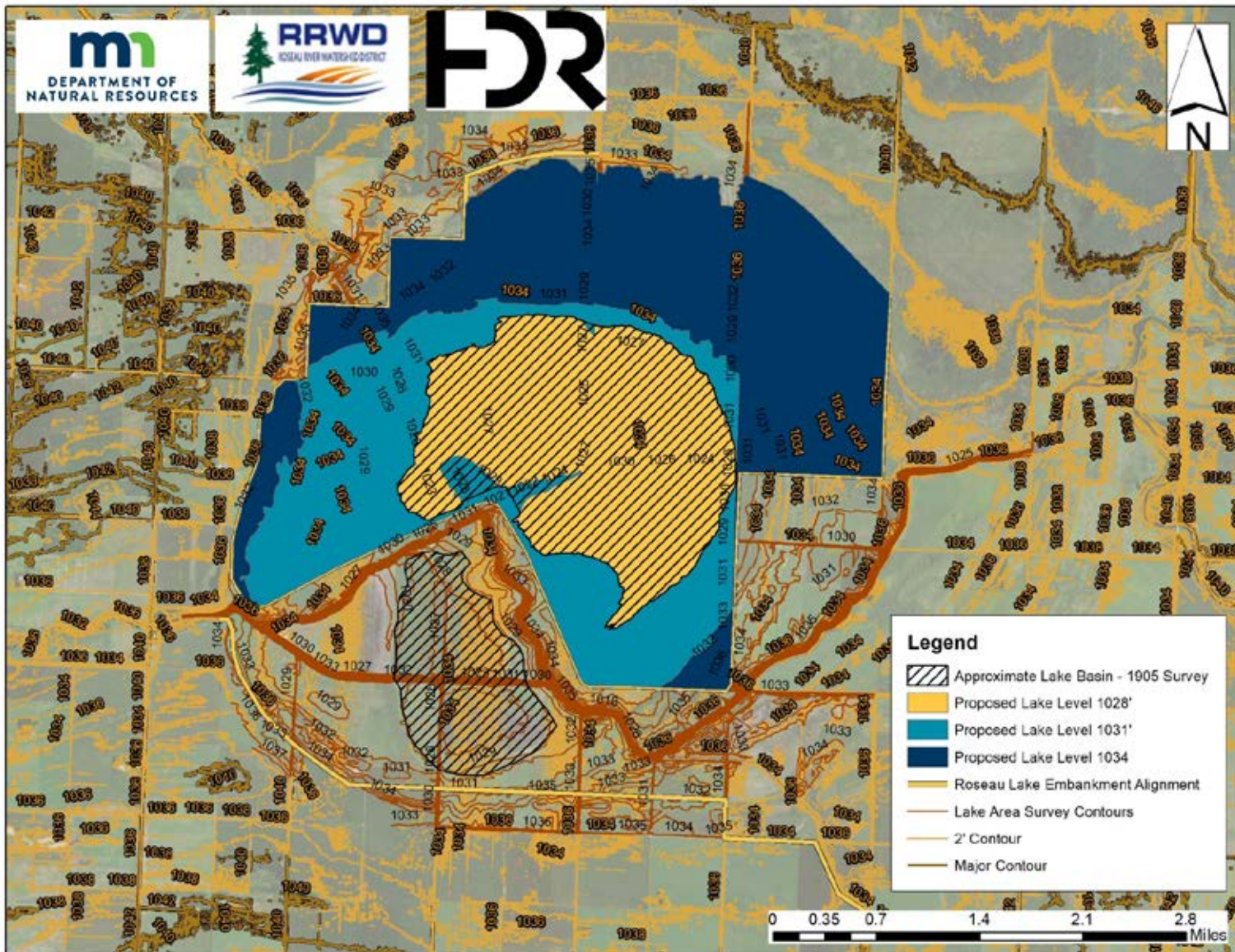


Figure 10: Ground elevations and proposed pool elevations for the Roseau Lake Rehabilitation project.



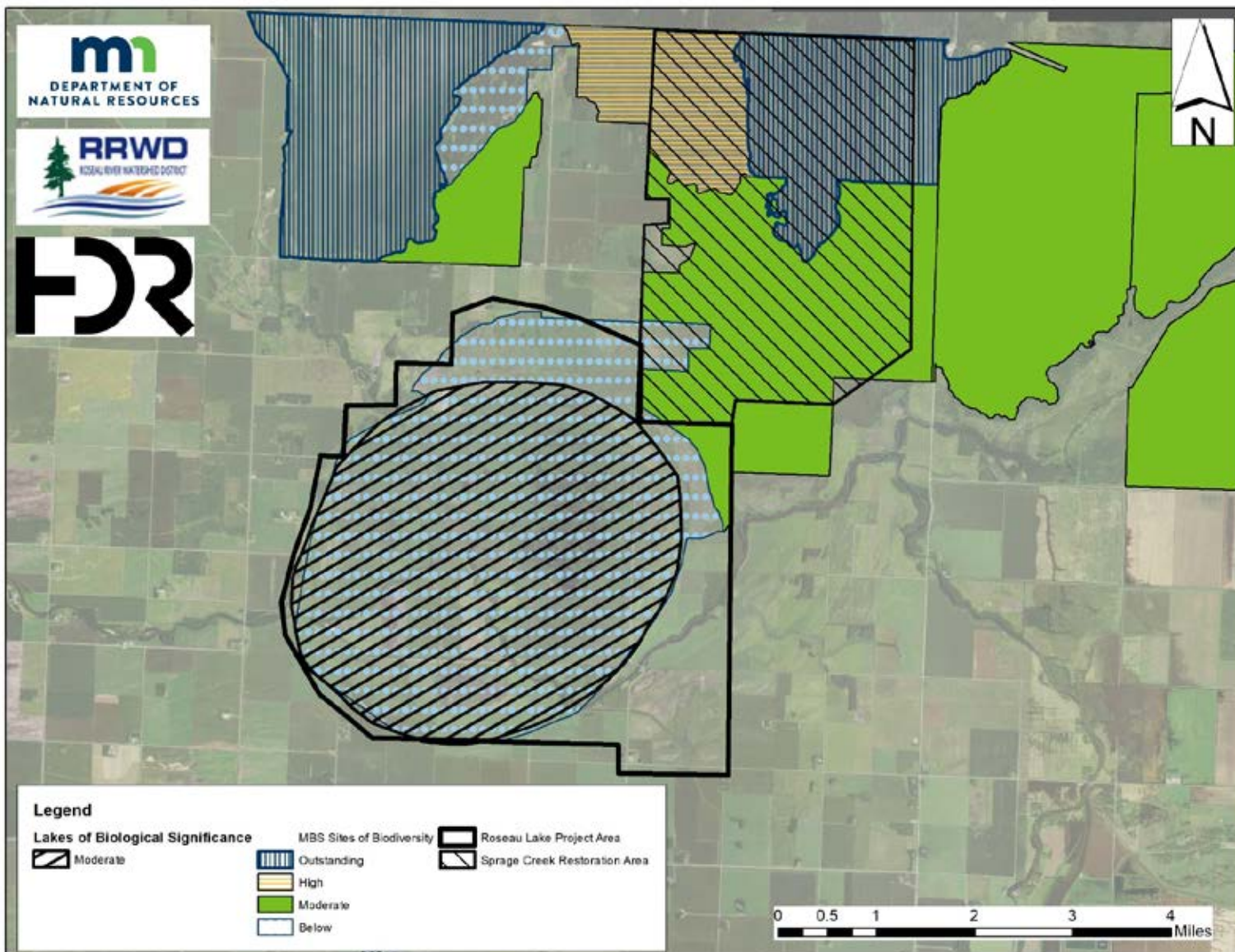


Figure 11: Minnesota Biological Survey Rankings in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.

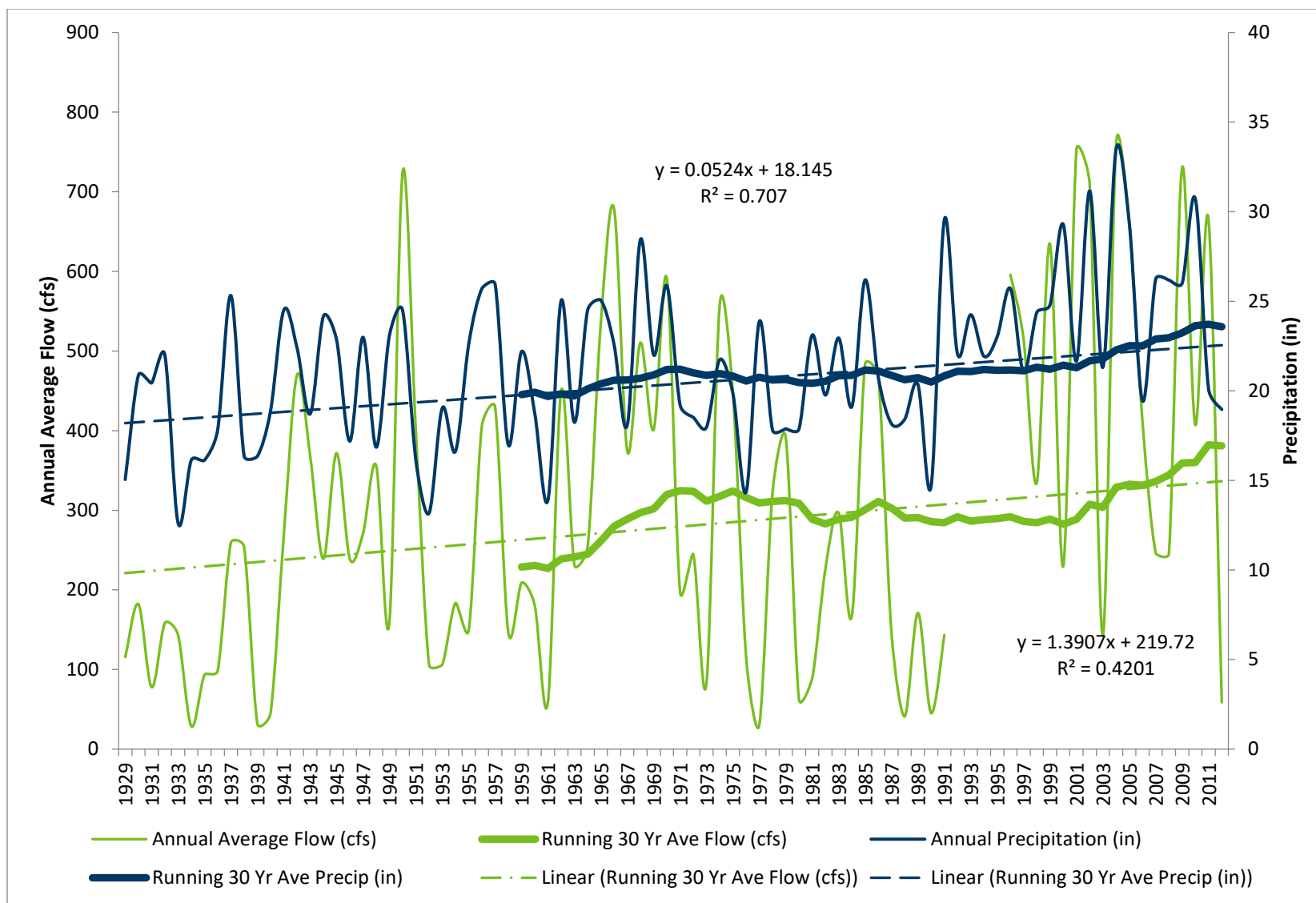


Figure 12: Total annual precipitation and average annual flow at the USGS gage at Ross, MN, downstream of Roseau Lake.



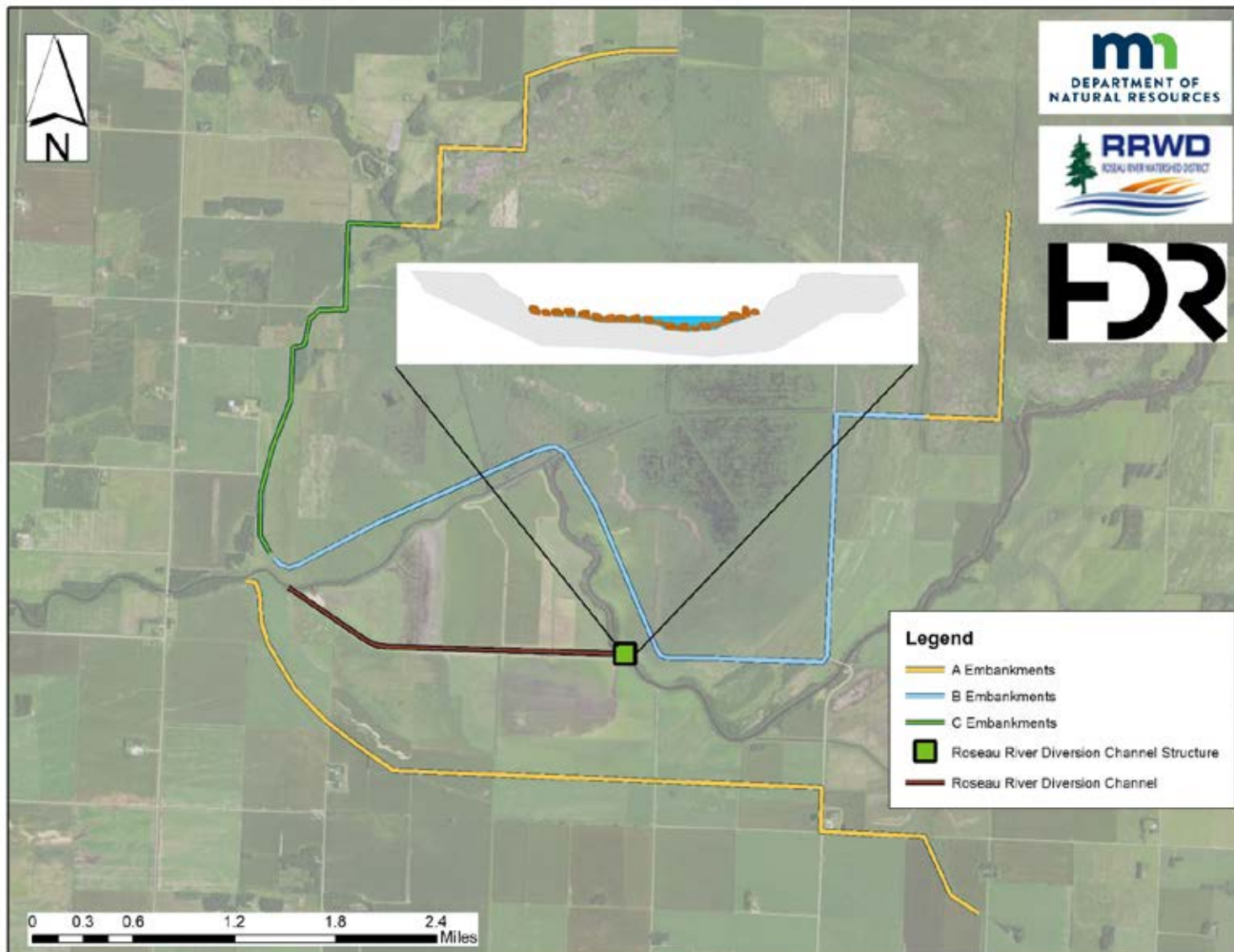


Figure 13: Embankment types for the Roseau Lake Rehabilitation project along with the cutoff structure. See Figure 14 for embankment cross sections.

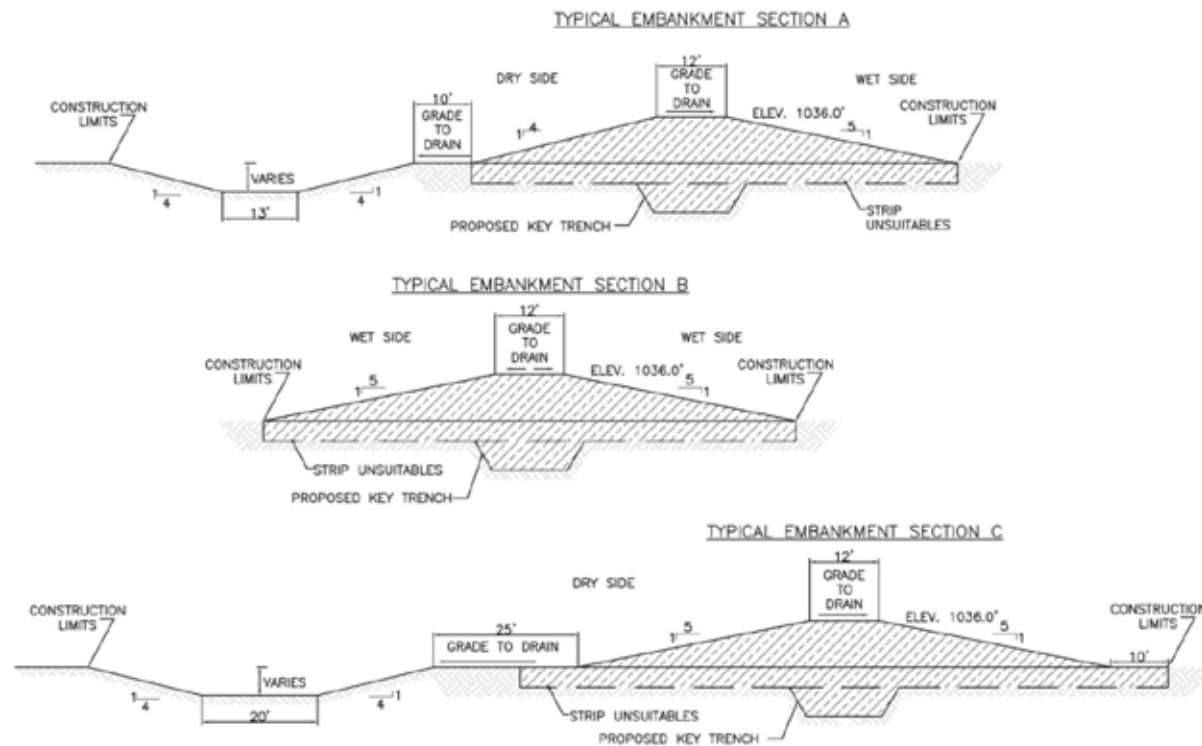


Figure 14: Typical cross-sections for embankments at the Roseau Lake Rehabilitation project. Developed by HDR, Inc.



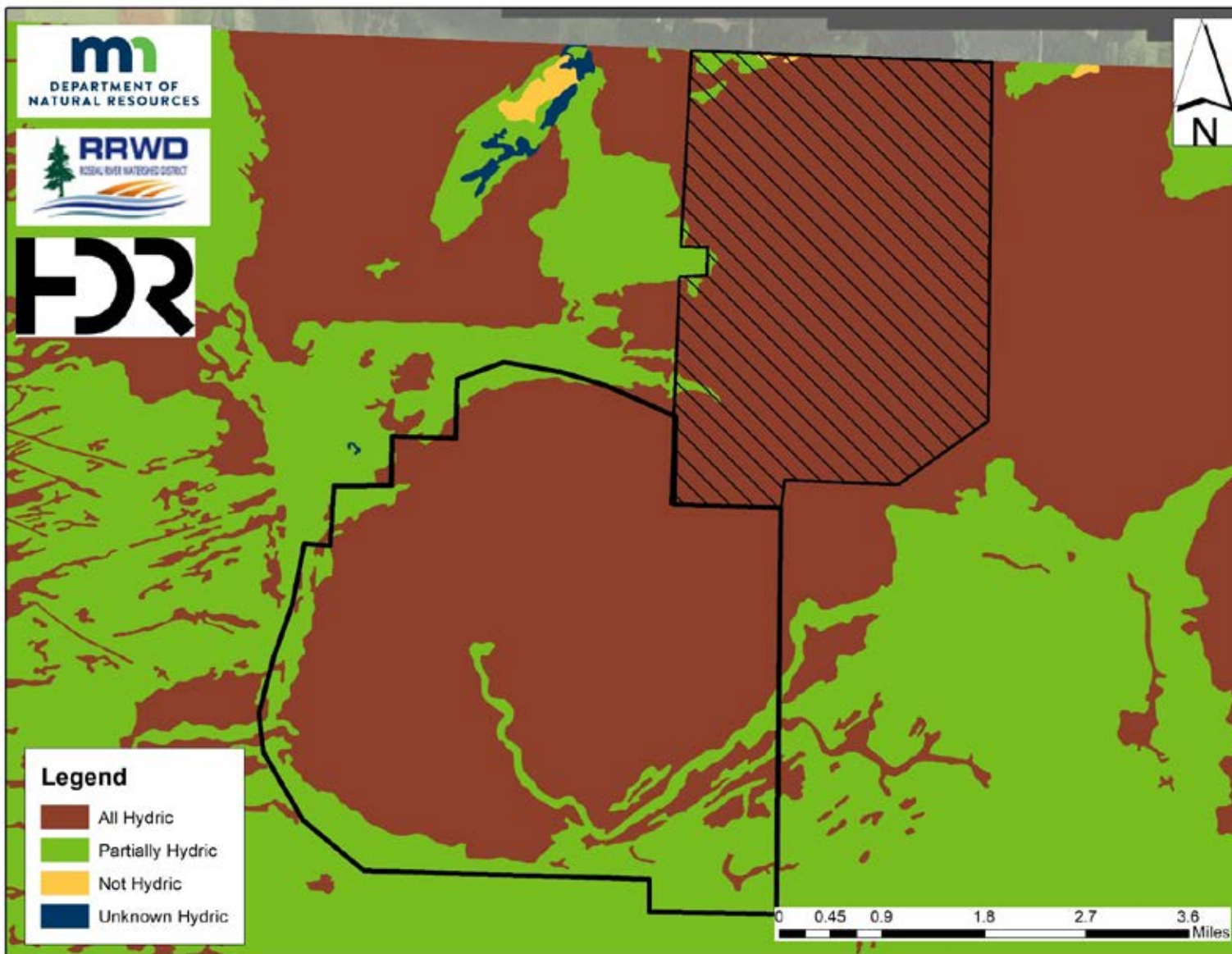


Figure 15: Hydric Soils in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.

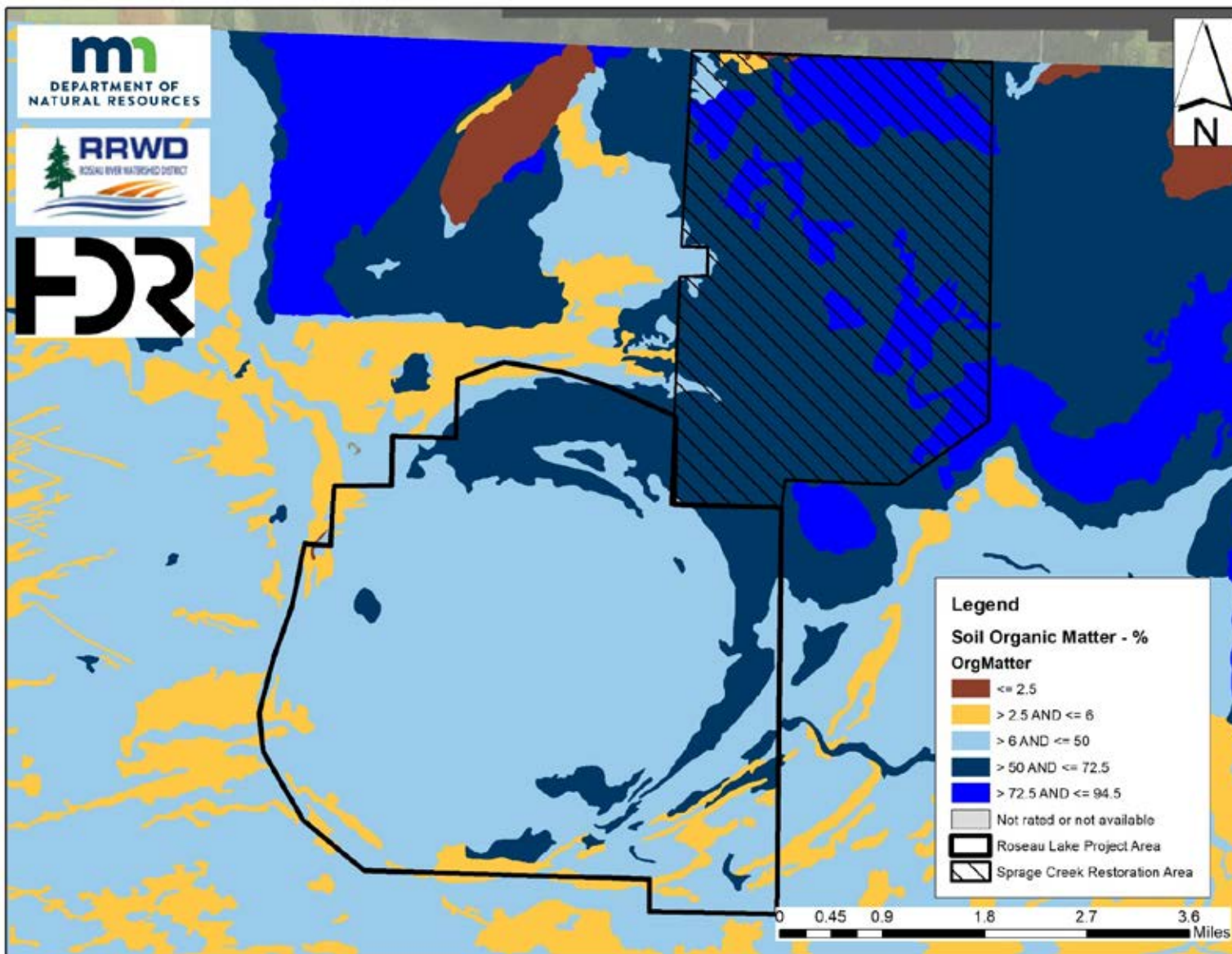


Figure 16: Soil Organic Matter in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.



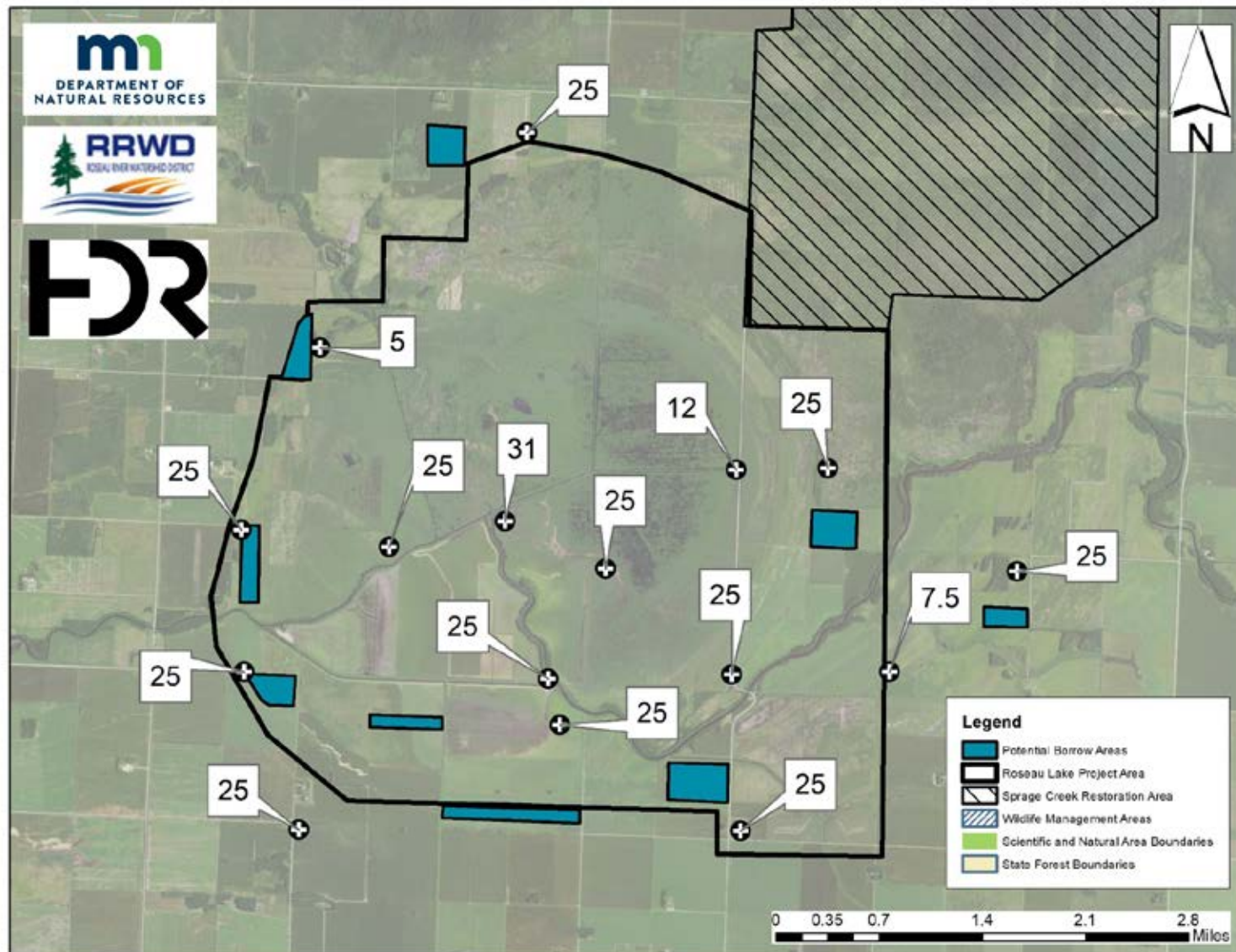


Figure 17: Bore hole locations and potential borrow areas for the Roseau Lake Rehabilitation and Sprague Creek Restoration project area. Depth to ground water indicated for each bore hole (feet).

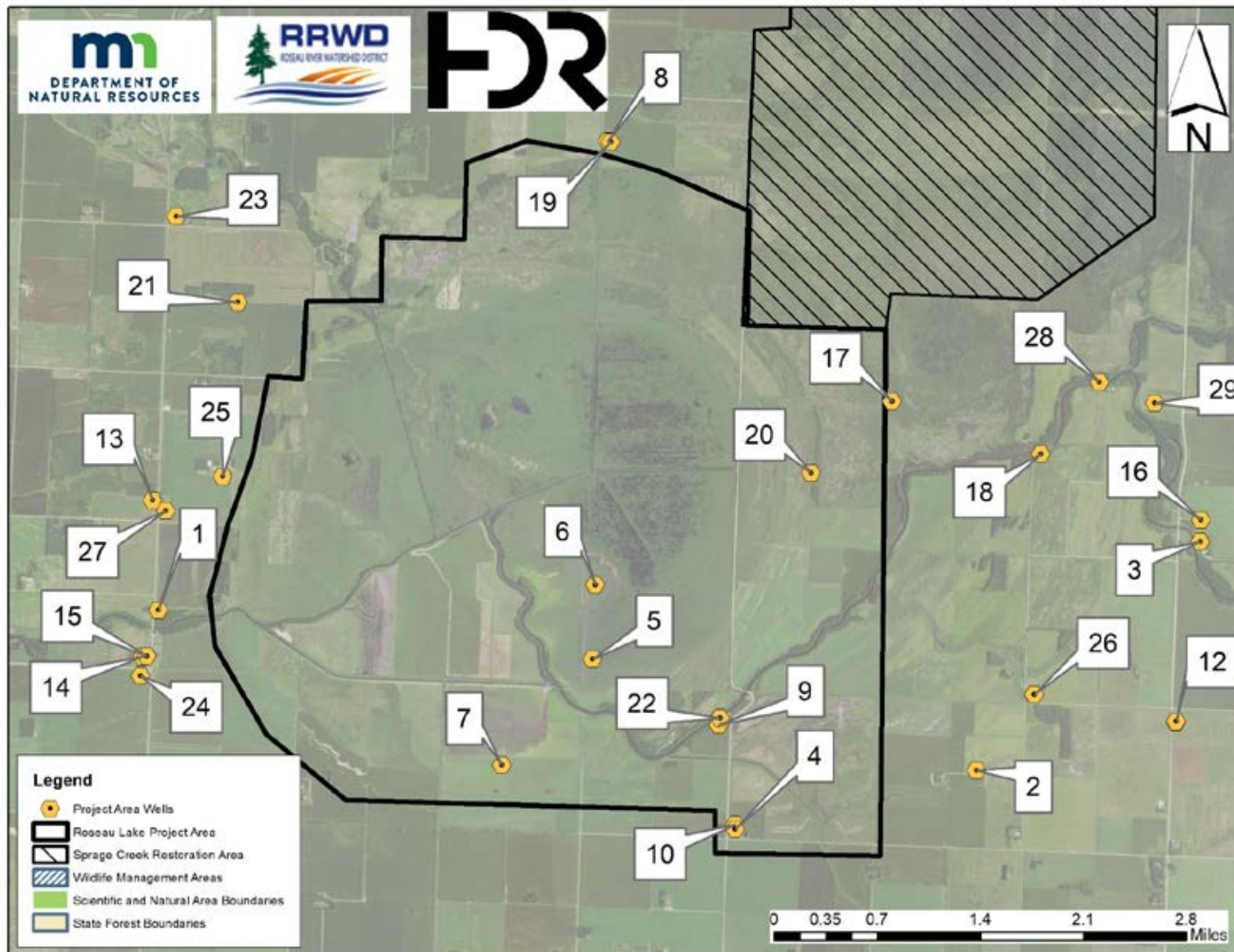


Figure 18: Identified wellhead locations in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.



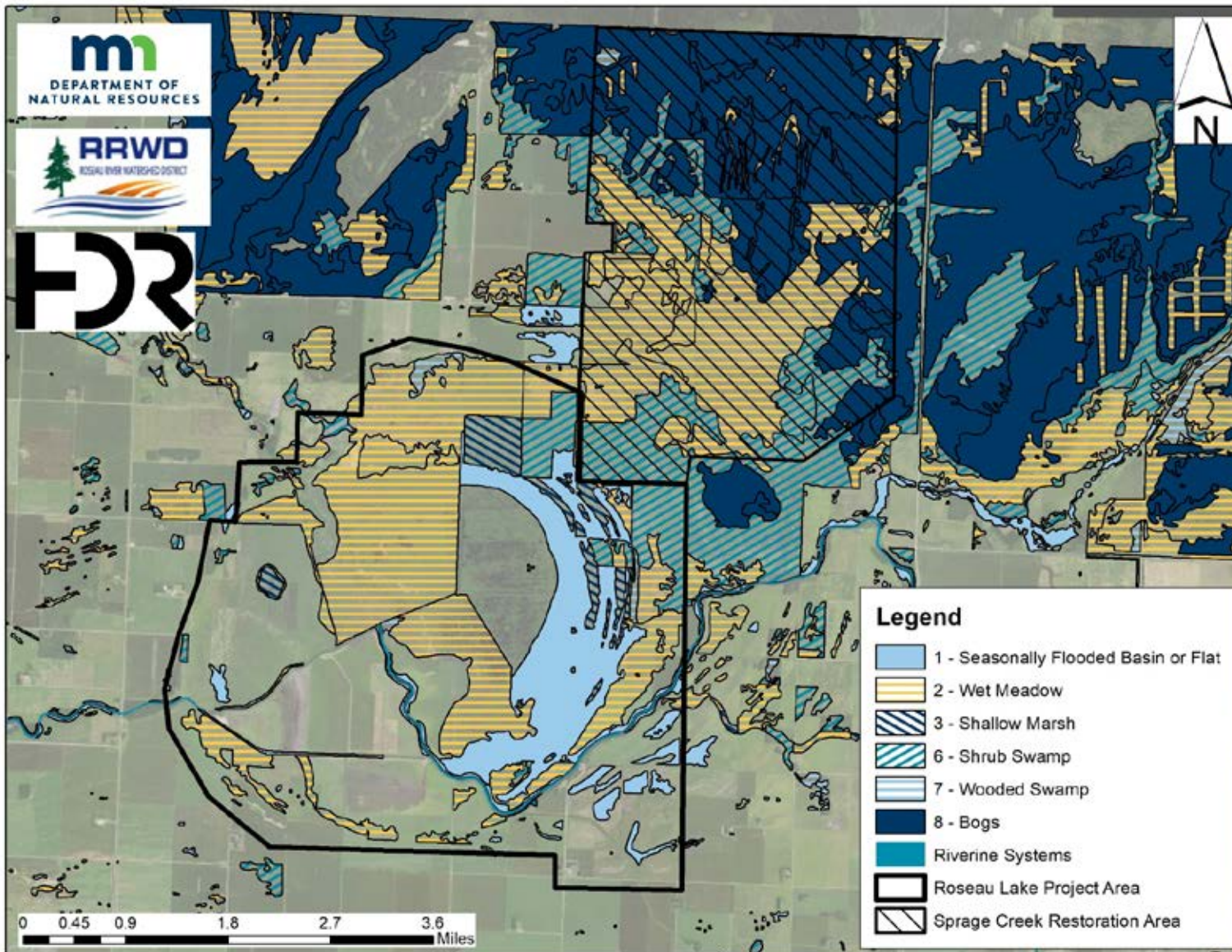


Figure 19: Wetlands in the Roseau Lake Rehabilitation and Sprague Creek Restoration project area.



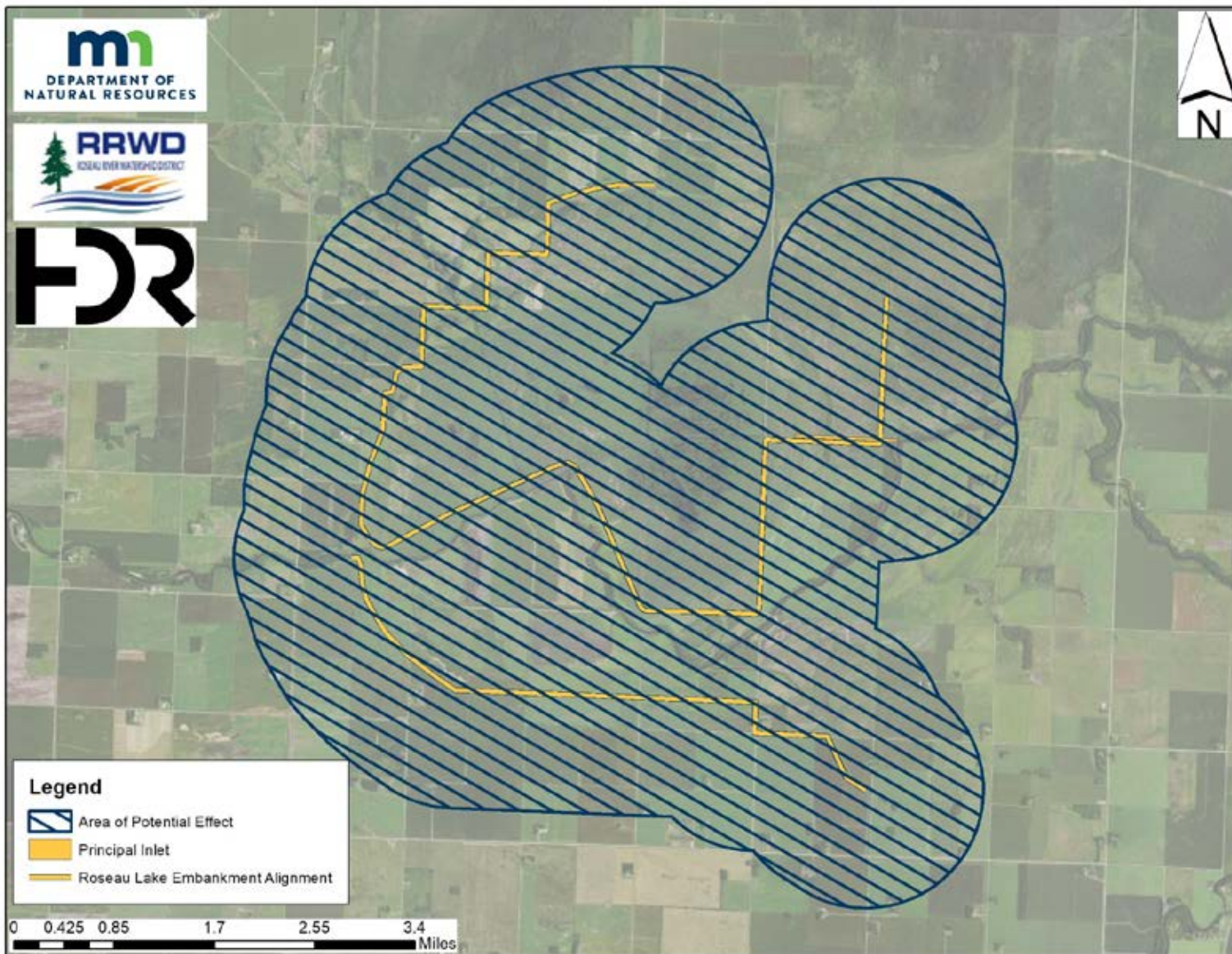


Figure 20: Project Area of Potential Effect (APE) for the Archaeological Investigation for the Roseau Lake Rehabilitation Project.