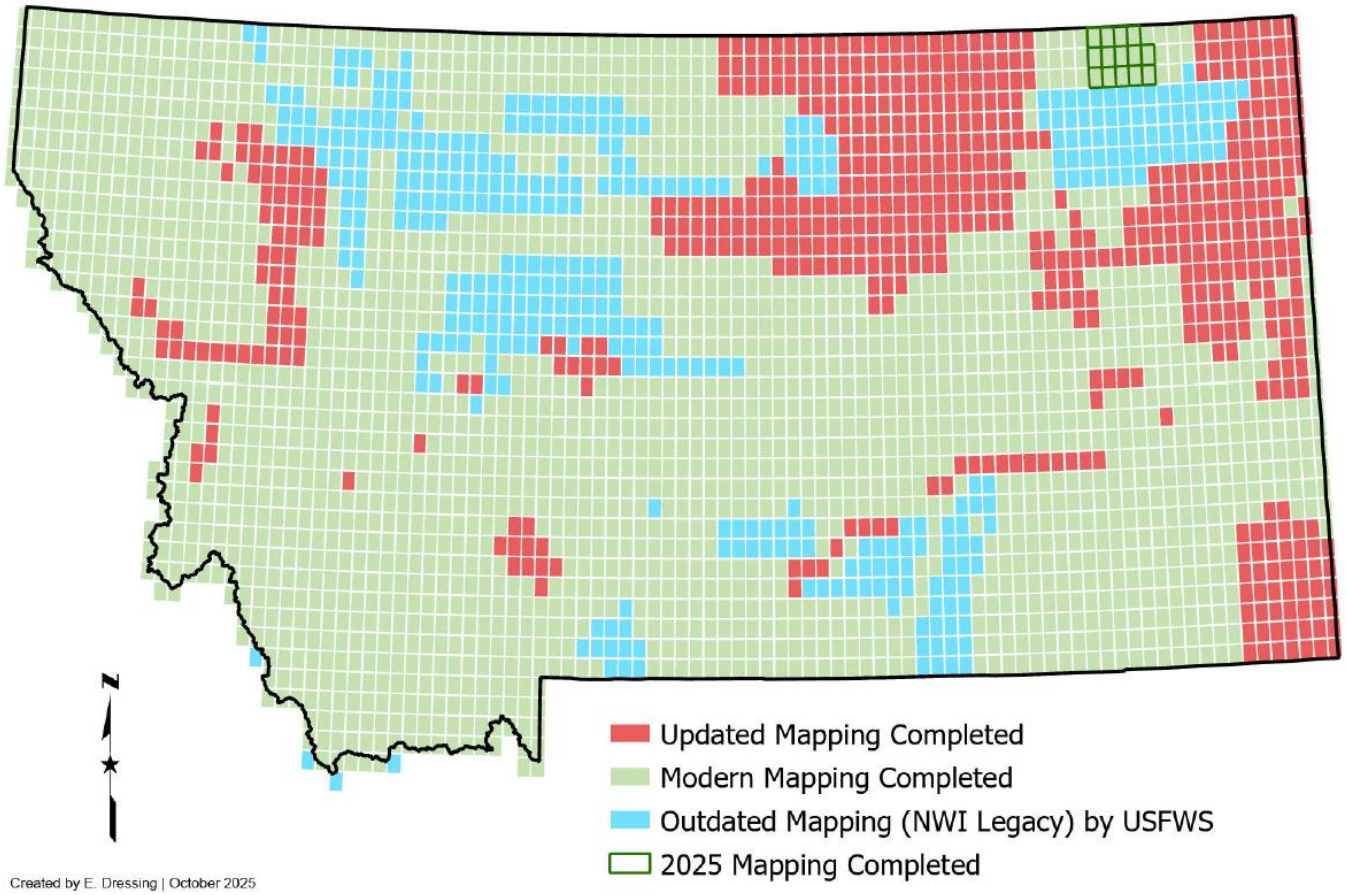
O'Connor Center Updates

Kay Hajek and Jennifer Jones

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Wetland and Riparian Mapping Status

by USGS Topographic Quad



Created by E. Dressing | October 2025

2026 Monitoring in Montana

- **BLM Assessment, Inventory, and Monitoring (AIM)**
  - Terrestrial AIM
    - 239 plots
    - UM student involvement-Miles City Field Office
  - Lotic AIM
    - 30 plots
  - Riparian & Wetland AIM
    - 33 points
    - Develop state-scale benchmarks



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Technical Trainings

- **Grass ID Workshop**
  - Sponsored by USFS Region 1
  - Missoula County
- **Rangeland Plant ID workshop**
  - AIM
  - Collaborating with MT/Dak BLM
  - Zortman, MT
- **Wetland Plant ID Workshop**
  - Collaborating with MT/Dak BLM
  - Glasgow, MT
- **Intro to Hydric Soils**
  - Collaboration with DEQ







National Wetland Condition Assessment-NWCA

- National evaluation of the ecological condition of wetlands
- Conducted on 5-year cycle
- 2021 Report
- 22 sites sampled in 2026





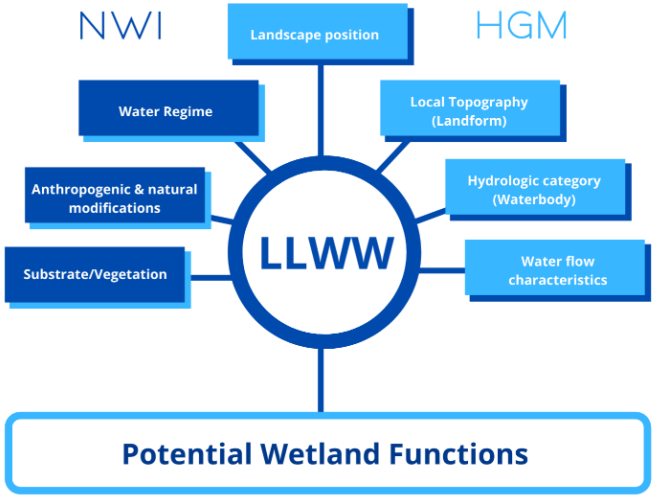




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LLWW

Landscape Position, Landform, Water Flow Path, and Waterbody Type



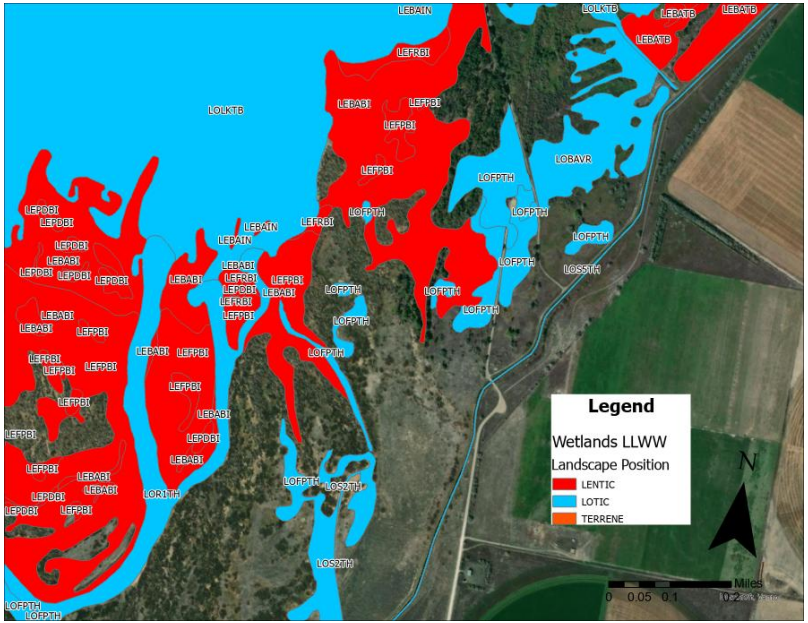
- Streamflow maintenance
- Surface water retention
- Groundwater recharge/storage/flow
- Nutrient cycling & transformation
- Carbon sequestration
- Maintain characteristic detrital biomass
- Generation & export of organic carbon
- Sediment/particulate retention
- Bank & shoreline stabilization
- Fish & aquatic invertebrate habitat
- Energy dissipation
- Maintain spatial structure of habitat
- Waterfowl & waterbird habitat
- Other wildlife habitat
- Diverse wetland plant communities
- Maintain wetland connectivity & interspersion
- Characteristic plant community resilience & maintenance
- Maintain wetland connectivity & interspersion

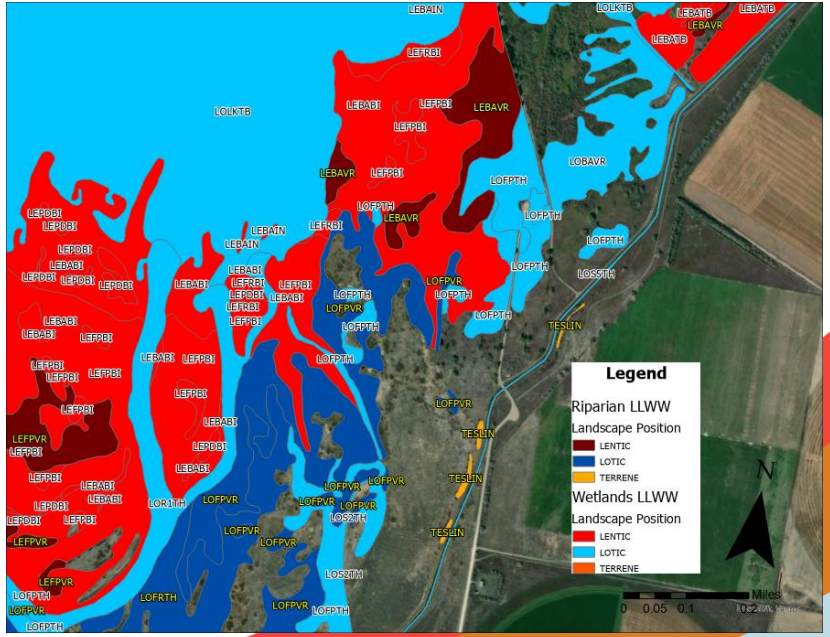
NWI CODE			LLWW CODE		
R3UBH			LOR1THgf		
R	System	Riverine	LO	Landscape Position	Lotic
3	Subsystem	Upper Perennial	R1	Waterbody Flow Duration	Perennial flow
UB	Class	Unconsolidated Bottom	TH	Flow Path	Throughflow
H	Water Regime	Permanently flooded	gf	Modifier	Geomorphic floodplain
PEM1A			LOBATHgf,it,ox		
P	System	Palustrine	LO	Landscape Position	Lotic
EM	Class	Emergent	BA	Landform	Basin
1	Subclass	Unconsolidated Bottom	TH	Flow Path	Throughflow
A	Water Regime	Temporarily flooded	gf	Modifier	Geomorphic floodplain
			it	Modifier	Temporary Intermittent Flow
			ox	Modifier	Oxbow

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LLWW

Landscape Position, Landform, Water Flow Path, and Waterbody Type

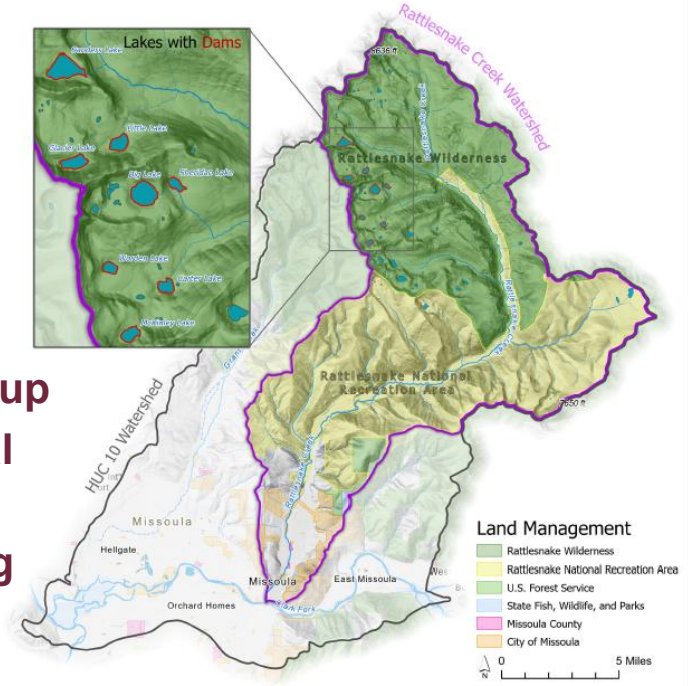




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WaterSmart

- Matt Trentman, OCRMW Associate Director
- Planning and Watershed Group development grant
- Collaboration with Rattlesnake Creek Watershed Group
- Noxious species, riparian woody recruitment, general stream/riparian health
- Using isotopes to determine water source and mixing with groundwater
- Effects of rock glaciers on headwater lakes!



BUREAU OF RECLAMATION

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EPA Wetland Program Development Funding

- Wetlands of Conservation Significance integrated in the Wetland Map Viewer.
- NWI mapping: 20 quads to fill gaps on private land
- How does the MT Wetland Mapping dataset relate to existing NHD and new 3DHP hydrography datasets?

Thank you

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jennifer5.jones@mso.umt.edu

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