

List of possible data layers for water plan maps:

Ownership/Protected

- Public
- Private
- Easements (state, MN Land Trust)
- SFIA enrolled lands
- Large/corporate private ownership (+ camps)

Soils/Geomorphology

- Sedimentary Association (outwash/till, etc)
- Glacial Phase (St. Croix, Itasca, etc.)-fairly broad (don't need a separate map)
- Geomorph Assoc. (Rainy Lobe, Wadena Lobe) – this is the better of the two glacial maps
- Topography (Rolling, Level, Hummocky, etc.)
- Soils – Drainage Class
- Soils – Surface Texture
- Steep slopes

Vegetation

- Land Type Association
- Land Cover (2011)
- Disturbed land cover
- Marschner Pre-settlement
- Potential Native Plant Communities
- MCBS Sites of Biodiversity Significance
- % Forest (based on 2011 land cover), + % private forest

Water Resources

- Watersheds
- Lakes & Rivers
- Wetlands
- Water Quality Trends/Impairments (MPCA)
- Phosphorus Sensitivity (DNR)
- Lakes of biodiversity significance (DNR)
- Trout Lakes/Streams
- Wild Rice
- Cisco/Tullibee
- Outstanding WQ (oligotrophic lakes)

Other

- Feedlots
- Peak flow rating (Sandy Verry model for open lands)
- Land Conversion Risk (private forest uplands suitable for conversion to ag)
- Zonation (DNR)
- Aquatic Invasive Species
- Groundwater (nitrates, arsenic, withdrawal permits, wellhead protection areas, aquifers -where available)