

Nemadji Watershed Issue Prioritization

Stakeholder Meeting on November 15th, 2018

Agriculture

- 1. Runoff management: soil loss, manure, pesticides, CAFOS (22)**
 - 2. Tax incentives that allow grazing on forest land (11)**
 - 3. Draining of farmland: drain tiles (9)**
 - 3. PFOS/PFAS in landfill applied to fields (9)**
- Disposal of plastic silage (bags, films, tubes, etc.) (4)
Regulation for ag ponds different from wetlands (2)

Forestry

- 1. Changes in forest species/ecology/composition due to climate change (14)**
 - 2. Coordinated effort to maintain 40% or less open land cover in watersheds (HUC 12) (11)**
 - 3. Reduced forest diversity (species/age) (8)**
 - 3. Urban sprawl impacts on municipal forest (8)**
- Coordination of forest management (Certifications: SFI, FSC, Young Forest Initiative) (7)
Lack of coordination between private and public forest management (6)
Lack of enforcement of BMPs around timber harvests (forest roads, maintaining buffers near wetlands/rivers/shoreland) (3)
Impacts of invasive species (EAB, buckthorn) (1)
Wildfire Management
 Erosion following fires (2)
 Underbrush mgmt. (1)
 Urban forest mgmt.

Sediment/erosion/hydrology

- 1. Appropriate BMPs for changing climate (12)**
 - 2. Flashy streams: High peak flows/low base flows (10)**
 - 3. Setbacks and conservation work along riparian zones (7)**
 - 4. Open land amount in watersheds (7)**
 - 5. Demonstration projects (7)**
- Increase in channel changing flows (Bankfull flows) (1)
Disconnected flood plains (6)
Historic vs. current rates of erosion (1)
ID potentially restorable wetlands (3)
Stream downcutting
EAB impacts trees in floodplains/shorelines
BMP Mgmt: Quantify benefits of different BMPS
BMP Mgmt: Contractor BMP installation training

Transportation

- 1. Road/stream crossings: Culverts (size, placement, maintenance, fish passage) (16)**
- 2. Costs to maintain aging infrastructure (bridges, roads) (9)**
- 3. Fragmentation of stream/floodplain (8)**

Winter salt and sand application/training of applicators (7)
Forest habitat fragmentation (5)
ATV trails (5)
Cost of regulatory compliance (2)
Road shoulders through sensitive area (wetlands) (2)
Head cuts at culvert/ditch interface (1)
Gravel/grading roads contribution to sediment
Resurgence of curb and gutter
Ditching/utility work in ditches

Fisheries/Wildlife

- 1. Invasive species (11)**
 - 2. Water quality to support fish and wildlife (10)**
 - 3. Habitat protection through easements and land acquisition (7)**
- Shoreline buffers (6)
Impacts of wildlife (geese) on wild rice (6)
Maintaining healthy forests habitats (3)
Unique/rare species management (3)
Impacts of recreational activities on fish habitat (3)
Dams and other barriers to fish passage (2)
Maintenance of riparian aquatic weed beds (2)
Deer browse (1)
Beaver impacts on water quality, erosion, sediment (1)
Hg toxicity in fish (1)
Industrial pollution (1)
Impacts of water flow/temp. on trout (1)
Increase in acidity of water

Cultural Value

- 1. Climate change adaptation approaches (16)**
 - 2. Awareness and pride in high quality of natural resources in region (10)**
 - 3. Value of healthy and undeveloped watersheds (10)**
- Wild rice (8)
Public education and ownership for/of local resources (8)
Indigenous culture (6)
Public opinion/unvalued wetlands (3)
Hunting/fishing/gathering (3)
Property rights/treaty rights (3)
Resistance to regulation
Local knowledge

Economics

- 1. Local management of natural resources with limited budgets (14)**
- 2. Limited budgets for management of runoff (12)**
- 3. Marketing natural resources (healthy watershed, recreational value) (6)**

Sustainable business and industry (5)
Need to calculate long term value of green infrastructure (5)
Markets for timber/ag products (5)
Need to calculate value of ecosystem services (4)
Port economics/dredging/maintenance of navigational channels (3)
Cost of replanting forest (1)
Urban sprawl (1)
Post-oil economy removal of related infrastructure (1)
Employment in natural resources (1)
Regulation of existing industry

Invasive/Native Species

1. Need for early monitoring for detection and control (15)
2. Need for collaborative mgmt. policies (12)
3. Limited county/city capacity to assess and manage IS (12)
Education (boat launches/other access points) (8)
Homeowner education on disposal of IS (8)
Construction site planting: native/non-native (5)
Need for BMPs after timber harvests/land disturbing activities (3)
Transport of IS on construction/road equipment (3)
Cost of IS management/diversify approach (2)
Transport of firewood and logging materials (1)
Sea lamprey

Water Quality

1. Support elected officials that work towards healthy watersheds/water quality (15)
2. Drinking water and sulfites (10)
3. 303(d) impaired waters and TMDLs (9)
3. Algal blooms due to increased water temps. (9)
Research on ballast water treatment technology (8)
Build resilience into water systems to reduce IS introductions (8)
PFOS/PFAS (4)

If no value is listed, then there were no votes for that item