

Missing from Document Scan Summary

Initial List of Topics missing Issues, Goals, and/or Strategies

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Initial review of the document scan summary revealed that some topics were either missing entirely or were missing an emphasis that might be warranted (for example, a topic was mentioned in the issues section but respective goals and/or strategies were missing). This could have resulted from any of the following:

- Plans do not exist or are outdated
- Plans were not received
- Plans were not reviewed
- Components of plans were missed during review/scan

We hope to secure information about these missing topics through our agency/organizational connections and through Expert Panel participants as appropriate and within legal parameters so that they may be considered throughout the strategic planning process and ultimately in priority setting by the Legislative-Citizen Commission on Minnesota Resources.

Water

- *Implementation* of best practices
- *Implementation* related to low-impact development/redevelopment, land use practices

Water – Surface Water

- Hazardous Algal Blooms (HABs)

Water – Pollution

- Micro/macro plastic
- Contaminants of emerging concern
- Pesticides
- Nutrients- phosphorous, TSS, FC, other?
- Reduction
- Prevention

Other natural resources/ Outdoor recreation

- Water as recreation

Environmental Education

- In addition to education of the public and additional sector- specific needs
- Curriculum needs, especially in context of new state standards (2019)

Air

- Energy
- Air quality
- Sources of GHG i.e. peatland, air deposition
- Social science – behavior change
- Reuse, in addition to reduce and recycle of materials
- Impacts on fish/aquatic

Fish-

- Fish-Mercury, lead, spawning habitat, fisheries, fish hatcheries, bait fish
- Invasive Species- pressures
- Invasive Species-non-native vs naturalized
- Goals: maintain/improve fish populations in lakes, rivers, and streams...
- Goals: populations/diversity

Wildlife—Missing entirely (issues, goals, and strategies):

- Game/Non-game
 - Mammals
 - Birds
 - Amphibians
 - Reptiles
 - Invertebrates/pollinators
- Wildlife declines pollinators, insects, marten, moose, bats, amphipods...
- Wildlife-CWD, Avian Flu, White-Nose,
- Wildlife –Urban ecology
- Birds-recreation
- Birds- songbirds, raptors and all others (need more than waterfowl)
- Birds-lead, Avian Flu, Malaria, road side ditches i.e. mowing and haying, invasive or non-native,
- Birds-Migratory and fly way, breeding grounds and habitat

Water – Water as a Habitat

- Invasives
- Harmful Algal Blooms (HABs)
- Warming of coldwater trout streams and impacts on fisheries
- Restoration
- Purchase, restoration of floodplain
- Statewide wetland hydrology
- Best practices for protecting/restoring wetlands for habitat
- Fish habitat? Mussels, plants, breeding/spawning, otter, beaver, muskrat, moose, mussels

Lands –

- NGO and other non- DNR ownership and management issues
- WMAs/AMAs and other land ownership structures (only SNA is mentioned)
- Land (specifically native vegetation) conversion threats/solutions

- Urban ecology
- Prairie/prairie research
- Ecosystem services provided by all—prairie, wetland, forest, grassland, etc.
- Land-Recreational

Forest Conservation-

- Community and Urban forests
- Forest research needs, threats
- Forests issues-- sales, methods, practices, timber vs wildlife, biomass and energy, forest product industry
- Forest conservation- strategies- implementation