

Joint Advisory and Steering Committee Meeting

Thursday, August 19, 2021

Post- Meeting Summary

Planning Process



Participation Plan

The Steering and Advisory Committee reviewed the draft Des Moines River 1W1P Participation Plan, provided in meeting packets. The intent of the document is to summarize roles and responsibilities for each committee serving the Des Moines River 1W1P process and set ground rules for engagement. The Steering and Advisory recommended approval of the document for use during the planning process.



Summary of Public Kickoff

Two public kickoff events were held to inform the public about the 1W1P process and get feedback on priority issues and resources to address in the plan:

- July 20, 2021 (Windom): 25 attendees
- July 21, 2021 (Slayton): 20 attendees

Eleven surveys were completed to identify what issues are most important to the public. Their response is included as Attachment A.

Draft Plan Issues

The Steering and Advisory Committee reviewed the Draft Issues Table provided in meeting packets. The table includes issues identified during a review of existing local water plans, state agency reports, 60-day notification responses, and feedback from the public kickoff. The Steering and Advisory Committee recommended changes via a Google Jamboard (Attachment B), and recommended approval of the issues and issue statements for use in the plan.

Draft Land and Water Resources Narrative

A draft Land and Water Resources Narrative was created to tell a story of the Des Moines River Watershed and the resources within in. It was provided during the Public Kickoff meetings and will be included as a plan section. Members of the Steering and Advisory Committee were invited to provide comments back to HEI on revisions they'd like to see. Comments are due September 2nd.

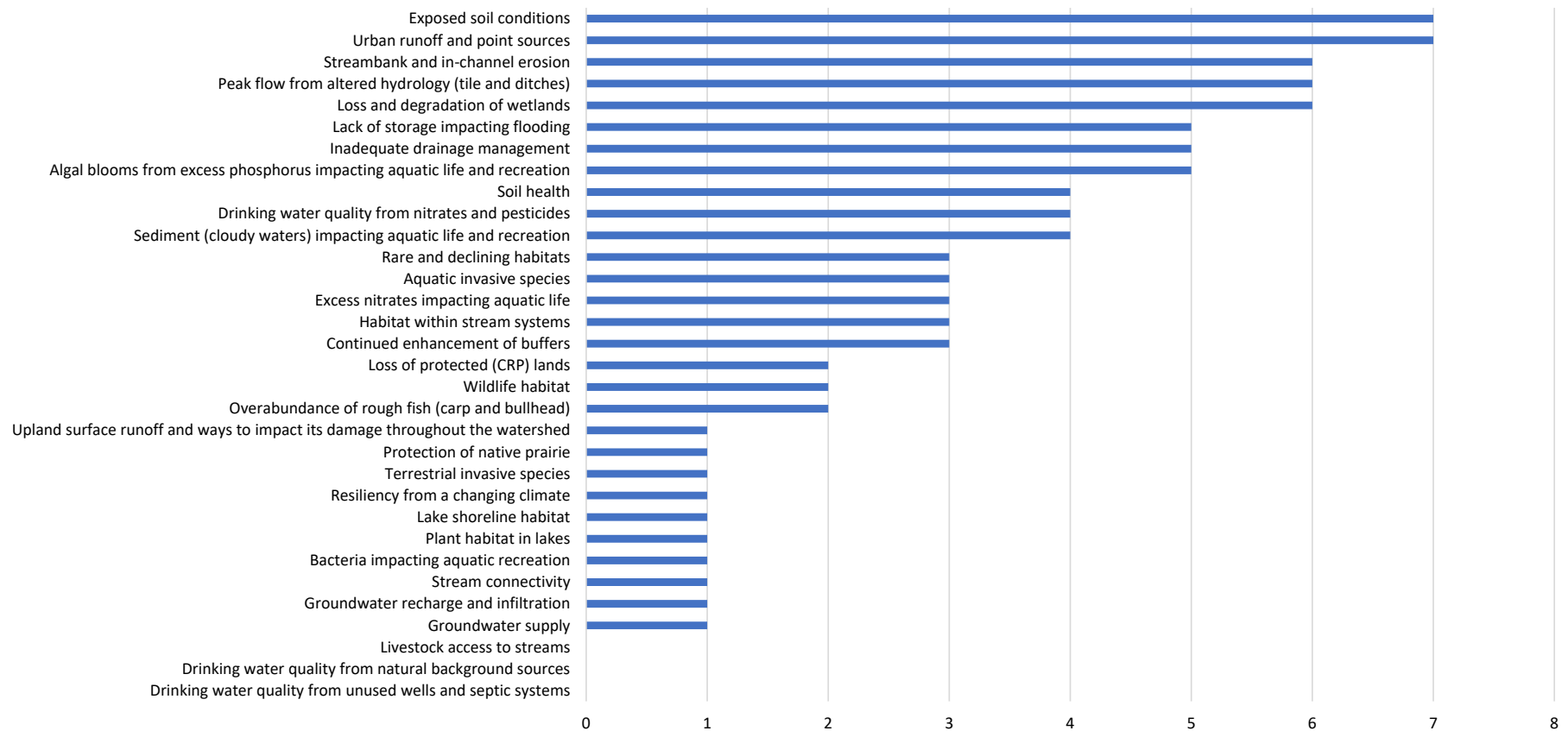
Regular Planning Meetings

- Steering Committee: Monthly; Second Wednesday, 9AM
- Advisory Committee: Quarterly; Third Thursday, 9AM
- Policy Committee: Every other month, or as needed; Third Thursday, 9AM (or immediately following Advisory meeting)








Public Kickoff Survey Results

Public Survey: Priority Issues





Groundwater

| Category | Resource | Issue Statement |
|---|----------------|--|
|  | Aquifer | Groundwater supply is sensitive to overuse from increasing appropriations for industry, rural water, and agricultural irrigation |
|  | Aquifer | Promotion of groundwater recharge and infiltration to augment limited groundwater supplies |
|  | Drinking Water | Protection of drinking water quality from nitrates and pesticides |
|  | Drinking Water | Protection of drinking water quality from contamination from unused wells and noncompliant septic systems |
|  | Drinking Water | Availability of domestic drinking water due to poor groundwater quality from natural background sources |

Coordinated use of groundwater supply from climate and overuse

Protection of existing recharge areas and promotion of additional recharge

from contaminants, including nitrates and pesticides... especially in areas with GW SW interaction

Keep these separate

DWSMAS are different than recharge practices which may be 6-7 miles away



Surface Water

Economic impacts






| Category | Resource | Issue Statement |
|----------|------------------|--|
| | Streams | Need for continued enhancement of buffers along ditches, stream systems, and non-protected waters, impacting water quality and habitat |
| | Streams, Ditches | Peak flow from altered hydrology (tile and drainage ditches) and its impact on channel stability, infiltration rates, and water quality degradation |
| | Streams | Streambank and in-channel erosion contributing sediment to water, impacting water quality and habitat |
| | Streams | Lack of habitat within stream systems to support aquatic life |
| | Streams | Excess nitrates and ammonia in streams impacting aquatic life |
| | Streams | Excess insecticides in streams impacting aquatic life |
| | Streams | Livestock access to streams causing degradation in water quality and instability to streambanks |

| Category | Resource | Issue Statement |
|----------|------------------|--|
| | Streams | Lack of stream connectivity impacting fish passage and altering the flow of water |
| | Lakes & Streams | Excess delivery of sediment from upland wind and water erosion to lakes and streams impacting aquatic life and recreation |
| | Lakes & Streams | Excess phosphorus loading from runoff and resuspension in lakes causing nuisance algal blooms, impacting aquatic life and recreation |
| | Lakes & Streams | Excess bacteria impacting aquatic recreation in lakes and streams |
| | Lakes & Streams | Urban / impervious runoff, stormwater runoff, and other urban point sources impacting downstream water quality conditions |
| | Lakes | Lack of plant habitat in lakes impacting terrestrial and aquatic life |
| | Lakes | Inadequate lake shoreline habitat to provide habitat and protect against shoreline erosion |
| | Lake | Overabundance of rough fish (carp and bullhead) threatening other fish species and resuspending sediment |
| | Lakes | Presence of aquatic invasive species (fish and plants) threatening native species and water quality |
| | Drainage Ditches | Uncoordinated and inadequate drainage management to meet drainage network needs and promote water quality |



Land Stewardship

**New issue:
Monitoring and
oversight of landfills
to prevent
degradation of SW
and GW water
quality**






| Category | Resource | Issue Statement |
|---|--------------------------------|---|
|  | Rural and Urban Communities | Insufficient storage on the landscape, especially in upland areas, and its impact on flooding |
|  | Agriculture | Low crop diversity and lack of conservation tillage or residue management on fields, impacting soil health |
|  | Agriculture | Exposed soil management practices and its impact on soil carbon release and groundwater infiltration |
|  | Rural and Urban Communities | Increasing extremes from a changing climate (drought and increasing precipitation patterns), and the need to plan for resiliency |
|  | Mining | Management of sand and gravel pits in the Des Moines River valley to protect nearby sensitive features |

**Flooding
on Lake
Wilson**

Lump



Terrestrial Habitat

| Category | Resource | Issue Statement |
|---|------------------|---|
|  | Upland Habitat | Degradation and fragmentation of wildlife habitat , including native prairie, woodlands, grasslands, and other areas |
|  | U Ag itat | Loss and expiration of CRP lands and other lands under protection |
|  | Unique Habitat | Protection of rare and declining habitats (oak savanna, calcareous fens, trout streams, etc.) |
|  | Upland Habitat | Presence of terrestrial invasive species threatening native species richness and diversity |
|  | Wetlands | Loss and degradation of wetlands and its impact on wildlife habitat and water storage |

Promotion of land protection programs for long term or shorter term (CRP) protection

Native species

Others?

**Drainage
management
as economic
driver of the
communities**