

Meeting Minutes



Technical Advisory Committee (TAC) Meeting

Project Name: Mississippi River St. Cloud One Watershed One Plan
ISG Project Number: 28039
Date: Tuesday, January 16
Time: 1pm - 4pm
Location: Teams Meeting

Invitees/Attendees:

Benton County	Roxanne Achman
Benton SWCD	Gerry Maciej, Emily Forbord
Meeker County	Greg Schultz
Meeker SWCD	Joe Norman
Mille Lacs SWCD	Susan Shaw, Willow Dean
Sherburne County	Lynn Waytashek, Marc Schneider*
Sherburne SWCD	Dan Cibulka , Francine Larson, Miranda Wagner
Stearns County	Becky Schlorf* , Kyle Blazek
Stearns SWCD	Dennis Fuchs, Stephanie Hatzenbihler , Kyle Weimann
Wright County	Barry Rhineberger
Wright SWCD	Luke Johnson, Alicia O'Hare
ISG	Sarah Boser, Paul Marsten , Jacob Rischmiller, Julie Blackburn
BWSR	Zach Guttormson, Brad Wozney
MPCA	Phil Votruba*
DNR	Reid Northwick*
MDA	Casey Field* , Margaret Wagner
MDH	Chad Anderson, Carrie Raber
NRCS	Chris Hogge
USFWS	Steve Karel, Cody Carlstrom
TNC	Kayli Overland, Todd Holman
City of St. Cloud	Lisa Vollbrecht, Noah Czech* , Rocio Durkot* , Shanna Czeck
Morrison County	Amy Kowalzek
Morrison SWCD	Shannon Wettstein
Mille Lacs County	Keenan Hayes, Pam Kuhn, Mitch Gindele
Clearwater River Watershed District	Rebecca Carlson

Cibulka called the meeting to order at 1:00PM.

DISCUSSION TOPICS

Introduction & Project Status (10 minutes)

- Project Status/Timeline Update: [MRSC Committee Tracking](#)
 - January Steering Committee Meeting: Implementation Tables, Implementation Programs
 - Citizen Advisory Meeting scheduled for January 29
 - February Steering Committee and TAC: Finalize Drafts of Implementation Tables
- Introductions
- Watershed Boundary
 - On hold until Sauk Implementation Team and Policy Committee meet and come to consensus

Approval of City of Saint Cloud Changes to Issue Framework (30 minutes)

- Surface Water Issue Statement # 1,
 - Desired Future Condition
 - addition: drinking water consumption
 - Measurable Goal
 - additional goal: sediment reduction to Mississippi River
- Surface Water, Issue Statement # 2,
 - Desired Future Condition
 - addition: human activity
 - Measurable Goal
 - additional goal: reduce flooding impact in developed areas
 - discussion on flooding impact in rural areas, recommendation to add a data gap action to identify locations with rural flooding issues. If actions come out of a data gap, then measurable goal 1 in this section may be able to cover potential projects.
 - recommendations on how to define flooding can be sent to ISG
- Fist to Five to adopt the set of changes
 - Willow - 4, Emily - 4, Gerry - 3, Dennis - 4, Kyle - 4, Alicia - 4, Dan - 4, Reid - 4, Phil - 4, Casey - 4

Subcommittee Updates (30 minutes)

- Data, Studies, Monitoring -
 - Alicia and Willow shared that the subcommittee worked on wordsmithing and added a few items
 - ready to be shared with the group.
 - if a partner has a specific project in mind that would need an action item in the implementation program to communicate that with the subcommittee
- Policy, Regulation -
 - Dan consulted with Marc on items and shared with subcommittee members
 - Subcommittee hasn't met to discuss items yet
 - ready to circulate and will be sent again and discussed/finalized draft
- Education & Outreach -
 - Meeting, January 23 at 10am, anyone else interested in attending let Stephanie know
 - Will draft table to compliment implementation table
- CIP Program
 - Steering Committee members completed survey, supported criteria as presented
 - Types of projects: Street Reconstructions, water storage, stream restoration, wetlands, culverts, county ditch, regional stormwater practices, floodplain reconnection, alum treatments, mid-sized subsurface sewage treatment systems.
 - ISG will need supportive narrative for known CIP projects - send to Sarah.

Implementation Table (100 minutes)

- Process
 - existing efforts/funds - serve as starting point
 - model existing efforts to develop pollutant reduction estimates
 - review model results, then make changes to efforts and run next model iteration
 - Modeling approach
 - HSPF model
 - continuous simulation model
 - land use areas are lumped sums by watershed
 - model in-stream processes
 - ability to run scenarios using SAM software to simulate reductions from BMPs

- assumptions on project acre size treats x acres of drainage
 - Past efforts were built into the model
- Modeling assumptions
 - BMPs were distributed evenly across management zone subwatersheds relative to the subwatershed area
 - to be conservative, the model doesn't focus on placing BMPs in target areas that would have a bigger pollutant reduction impact
 - To increase the pollutant reduction there are two main options
 - increase efforts in the management zone where a certain priority resource is located
 - shift more of the modeled efforts from lower priority subwatersheds to subwatersheds with priority resources
 - rather than having BMPs distributed evenly across management zone subwatersheds
 - this will be important for measurable goals for specific priority resources
 - discussion how to balance our priority areas and opportunistic areas
 - look at multi-benefit analysis for priority areas within management zones
 - look at priority areas and the associated subwatersheds
- Missing from the model
 - internal lake modeling is very simplified
 - BMPs/actions not in green are not included in the model, so those actions will have associated pollution reduction estimates that will contribute toward progress of measurable goals but were included in the model estimates
- Question about how pollutant reduction estimates will be carried forward when the individual BMPs are grouped. The pollutant reduction estimates will be totaled under the black headers
- Next iteration of modeling
 - share recommendations with ISG on where/how to model BMPs to calculate pollutant reduction measurable goals
- Review statewide measurable goals context
 - Total Nitrogen at HUC8 percent reduction needed 42.7%, our 10-year plan will achieve 4%
 - Total Nitrogen at HUC8 MT needed is 1,298, 10-year plan will achieve 41.8 MT
 - Total Phosphorus at HUC8 percent reduction needed 28.1%, our 10-year plan will achieve 9.7%
 - Total Phosphorus at HUC8 MT needed is 35.7 MT, 10-year plan will achieve 5.4 MT
- Review second round of modeled efforts
 - Activity - Jamboard
 - Do the efforts reflected in the Implementation Table adequately address all measurable goals?
 - Are the initial numeric goals aligned with your hopes for the 10 year plan?
 - Identify an implementation action missing from the table that would be beneficial to include?
 - Surface Water Issue Statement 1, Measurable Goals
 - questions about the implementation table pollutant reduction estimates
 - Goal on E. Coli exceedances - subcommittee formed: Willow, Dan, Brad, Phil
 - Surface Water Issue Statement 2, Measurable Goals
 - Discussion on goal 3, gathering input for numeric goal from City partners
 - Discussion on protection for sensitive areas, maybe put under data studies
 - Surface Water Issue Statement 3, Measurable Goals
 - summarize known internal load needs
 - decide goal for number of studies/plans
 - estimate reduction percentage
 - Groundwater, Issue Statement 1, Measurable Goals

- move "irrigation water management" to under groundwater in the implementation
- discussion on trends instead of an average over 10-year
- GRAPS report looks at trends
- Groundwater, Issue Statement 2, Measurable Goals
 - Nutrient loading/ nitrates - check MDA tool for rather than surface water model
 - Goal to decrease nitrate loading - remove goal? Consensus is yes
 - Goal 5 discussion - decided to keep measurable as number of partnerships
 - Goal 4 remove term "nitrogen scavenging"
- Habitat and Natural Resources, Issue Statement #1,
 - Goal 1 - check LSP
 - Goal 3 - could be based on # of water bodies to be delisted, recommended changing IBI score to delisting impairment for aquatic habitat, or Minnesota Stream Habitat Assessment (MSHA) score
 - Goal 4 - a significant percentage of shoreline/streambank work will include habitat improvements
- Landscape Resilience - Issue statement
 - ISG will prepare items for review on this topic

Meeting Recap, Subcommittee Assignments (if needed - 5 minutes)

- E. Coli Goal Subcommittee: Willow, Dan, Brad, Phil

Adjourn

Cibulka adjourned the meeting at 4:00 PM.