

Subject: Technical Advisory Committee		
Client: Lower Minnesota River Watershed District	Project No:	97278
Project: 5 th Generation Watershed Plan	Meeting Location:	Chaska City Hall Council Chambers
Meeting Date: April 8, 2009	Notes by:	D. Murphy

ATTENDEES

Technical Advisory Committee (TAC) - Attendance roster attached

Len Kremer, LMRWD Manager
 Larry Samstad, LMRWD Manager
 Terry Schwalbe, LMRWD Staff
 Joan Ellis, LMRWD Staff

Della Young, HDR
 Dan Murphy, HDR

TOPICS DISCUSSED

- 1) Welcome and Introduction
- 2) Review of Process – Della Young

The previous TAC meetings were reviewed.

- 3) Review of Goals and Policies – Facilitated by Della Young

Information provided by the TAC during previous meetings was condensed by HDR staff into a series of goals, policies, strategies and projects covering the following topics:

- 1) Water Quantity
- 2) Unique Resources and Fish and Wildlife
- 3) Public Participation, Education and Recreation
- 4) Groundwater
- 5) Wetlands
- 6) Erosion
- 7) Commercial and Recreational Navigation

The goals, policies and strategies prepared by HDR through interpretation of previous TAC input were presented to the TAC and they were divided into subgroups for discussion. The TAC

subgroups reviewed each topic and developed, modified and/or changed the goals, policies and strategies. The entire TAC reconvened to discuss each topic as a group and build consensus. *Ugg'CWcej o gpv+

ACTION/NOTES

Formal TAC meetings have ended but TAC members may be invited to participate in further discussion on specific plan topics and asked to provide input on draft sections of the 5th Generation Plan as they are completed.

Lower Minnesota River Watershed District - 5th Generation Watershed Management Plan

TAC Workshop
 Februray 8th, 2009
 Attendance Sheet

Name	Title	Organization	Phone	Email
Bill Monk	Engineer	City of Chaska	952-227-7525	
Len Kremer	Manager	LMRWD	952-881-6399	
Terry Jeffery	Water Resources Coordinator	City of Chanhassen	952-227-1168	tjeffery@ci.chanhassen.mn.us
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Molly Shodeen	Area Hydrologist	DNR Waters	651-259-5802	
Dan Edgerton	Project Manager	Bonestroo	651-604-4820	
Lisa Lund	Dredge Manager	COE	608-687-3112	lisa.j.lund@usace.army.mil
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Leslie Stovring	Environmental Coordinator	City of Eden Prairie	952-949-8327	
Greg Genz	Executive Committee	Upper Miss. Waterway Assoc.	651-775-6660	gj92@att.net
Terry Schwalbe	Adminstrator	LMRWD	952-856-5880	terryst@lowermn.com
Joan Ellis	Assistant Administrator	LMRWD	952-856-5875	joane@lowermn.com
Della Young	Plan - Project Manager	HDR	763-591-5400	Della.Young@hdrinc.com
Dan Murphy	Plan - EIT	HDR	763-591.5400	Dan.Murphy@hdrinc.com

**Lower Minnesota River Watershed District
5th Generation TAC Meeting
April 8, 2009
Summary Notes**

Goals, Policies, Strategies and Projects

Blue Text = As interpreted from information generated at previous TAC meetings

Red, Italicized Text = Changes, additions and/or subtractions made by TAC in 4/8/09 meeting

Definitions

- Goal - the state of affairs that a plan is intended to achieve and that (when achieved) terminates behavior intended to achieve it
- Policy - a statement on how the authority is to achieve its goals and objectives with regard to a specific subject area or class of subject areas, e.g., a policy for development on floodplains
- Management Strategies – is an elaborate and systematic plan of action designed to achieve a particular goal
- Projects – Specific actions taken to implement management strategies

Water Quantity Goal

- Reduce discharge to the Lower Minnesota River

Water Quantity Policies / Strategies / Projects

Policies

- *Should address:*
 - *Rate control*
 - *Volume control*
 - *Stormwater conservation*

Strategies

- *Promote consistent water quantity standards*

Projects

- *Perform gaps analysis of neighboring watershed district water quantity standards*
- *Incorporate MPCA water quantity standards*
- *Perform gaps analysis of water quantity standards within LMRWD jurisdiction*

Unique Resources and Fish and Wildlife Goals

- Manage, protect and preserve unique, *significant or at-risk resources* and fish and wildlife habitat
- *Manage, protect and preserve floodplain areas including floodplain forests, shallow lakes, Type 7 and IA wetlands and contiguous habitats*

Unique Resources and Fish and Wildlife - Policies/Strategies/Projects

Policies

- Advocate for protection, education and monitoring of fens
- Manage surface and groundwater recharge areas to fens

Strategies

- *Identify data sources and take active role in data management*
- *Provide technical and financial assistance for data acquisition and management*
- Serve as liaison between Mn/DOT, DNR, USFWS and municipalities
- Provide technical assistance and grants for monitoring fens
- Provide education to public and politicians regarding fens
- Manage fen buffers
- Partner with DNR, DOH and municipalities to determine impact of wells on fens

Projects

- Identify and delineate fen recharge areas
- Monitor groundwater for fens
- Fort Snelling fen restoration
- Seminary Fen / fringe wetlands along Bluff Creek

Unique Resources and Fish and Wildlife - Policies/Strategies/Projects

Policies

- Advocate for protection, education and monitoring of sustainable trout streams

Strategies

- *Identify data sources and take active role in data management*
- *Provide technical and financial assistance for data acquisition and management*
- Serve as liaison between Mn/DOT, DNR, USFWS, *National Park Service* and municipalities for trout stream management
- Determine sustainability of existing trout stream classification
- Promote management practices to ensure a healthy ecosystem
- Determine impact of new classification on regulatory requirements for Local MS4s

Projects

- Prioritize, inventory and assess trout streams
- Review and evaluate trout stream management strategies

Unique Resources and Fish and Wildlife - Policies/Strategies/Projects

Policies

- Coordinate with LGUs to identify and develop critical trail and green space corridors for improvement and protection
- Promote the development of natural resources inventories

Strategies

- Create and develop a mechanism for identifying and acquiring high value conservation easements
- Develop written agreements with partnering organizations
- Coordinate completion of inventories among cities and counties
- Provide incentive fund to complete inventories
- Inventory existing projects to identify gaps and validate data

Projects

- MN valley floodplain forest restoration

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Projects

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Unique Resources and Fish and Wildlife - Policies/Strategies/Projects

Policies

- *Advocate and coordinate land acquisition, restoration and education of floodplain forests, shallow lakes, and Type 7 and IA wetlands*
- *Limit fragmentation of contiguous habitats*

Strategies

- *Assist in identification of high quality and/or at-risk habitats*
- *Assist with restoration projects*
- *Assist with land acquisition*

Projects

- *N/A*

Unique Resources and Fish and Wildlife - Policies/Strategies/Projects

Policy

- Protect, preserve and enhance connectivity for wildlife

Strategies

- Encourage wildlife connectivity projects which achieve multiple goals such as improvement of water quality

Projects

- N/A

Unique Resources and Fish and Wildlife Challenges to Implementation

- Jurisdictional
- Property rights
- Capital
- Stormwater runoff temperature for trout stream management

Public Participation, Education and Recreation - Goals

- Enhance public participation, education and recreation

Public Participation, Education and Recreation - Policies/Strategies/Projects

Policy

- Promote recreational uses of the MN River

Strategies

- Collaborate with local LGUs and NGOs on educational and recreational opportunities such as fishing, boating, trail and vegetation management and use of signage
- Acquire easements for additional public access to the MN River
- Coordinate river tour

Project

- Complete connections within trail system from Fort Snelling to the remainder of the system

Public Participation, Education and Recreation - Policies/Strategies/Projects

Policies

- *Promote maintenance of 4-ft channel as mandated by Congress*
- *Enhance recreational river channel access as river water quality improves*

Strategies

- *Partner with other groups to enhance opportunities*
- *Provide recreational activities at dredge material disposal sites*
- *Evaluate channel for opportunities*
- *Support river clean up activities*
- *Naturalize and stabilize river banks*

Project

- *N/A*

Public Participation, Education and Recreation - Policies/Strategies/Projects

Policy

- Coordinate and develop an education plan

Strategies

- Implement an education program cooperatively with partners
- Coordinate education with MS4 communities

Policy

- Actively promote partnering and coordinate opportunities within and outside of the District

Strategies

- Coordinate public awareness recognition of resources with others

Public Ditch System Goal/Policies/Strategies/Project

- Public ditch system does not exist

Ground Water Goals

- *Water quality and quantity*
- *Work with communities to coordinate sustainable groundwater use*
- *Protect natural groundwater discharge for natural community protection*
- *Sharing of and coordination of groundwater data/ monitoring*

Ground Water Policies/Strategies/Projects

Policies

- *N/A*

Strategies

- *Assist groundwater resource protection*
- *Coordinate mapping and identification of discharge, recharge and acquisition areas and points (wells)*
- *Provide education and outreach on water use (i.e. private irrigation audits in Chanhassen)*

Project

- *N/A*



Ground Water Challenges to Implementation



Wetland Goals

- Maintain and enhance wetlands in the Districts

Wetland Policies/Strategies/Projects

Policies

- *Ensure WCA rules are implemented*

Strategies

- *Delegate WCA authority to LGUs*
- *Review WCA notices as received*
- *Require LGU wetland management plans and wetland inventories which include functional assessments and management classification*

Project

- *N/A*

Wetland Policies/Strategies/Projects

Policies

- *Partner with LGUs to improve wetland resources*

Strategies

- *Ensure consistent standards between watersheds*
- *Use inventories to look for enhancement, restoration, restoration or wetland bank opportunities.*

Project

- *N/A*



Wetland Challenges to Implementation



Erosion Goal

- To prevent erosion of soil into surface water systems

Erosion - Policies/Strategies/Projects

Policies

- *Should address*
 - *Construction site erosion*
 - *Stream bank erosion*
 - *Main stem river bank erosion*
 - *Bluff erosion*

Strategies

- *Support cities regarding stream bank, bluff and construction site erosion*
- *Take lead role in main stem river bank erosion*
- *Stream bank strategies:*
 - *Identify problem areas (i.e. current gully inventory)*
 - *Determine causes*
 - *Work w/ homeowners/watershed districts*
 - *Promote buffer strips*
 - *Control rate and volume*

Projects

- *None identified*

Erosion – Challenges to Implementation

- Increased river volumes and flashy nature
- Sediment transport from upstream tributaries
- *Construction site erosion*

Commercial and Recreational Navigation Goal

- Maintain and improve commercial and recreational navigation on the Lower Minnesota River

Commercial and Rec. Navigation - Policies/Strategies/Projects

Policy

- Serve as local sponsor to acquire suitable placement sites for dredge material

Strategies

- Identify additional sites for dredge material storage
- Manage channel and sediment
- Remove dredge material from placement sites
- Develop relationships with contractors, the mining industry and local entities to determine market for dredge material
- Cooperate with MPCA to test and develop beneficial use to market material
- Educate the public on the properties and the beneficial uses of dredge material
- Support the USACE funding for the MN River and ask for congressional fund for developing placement sites

Projects

- *Assist with development* of dredge material management plan
- *Assist with development* of channel maintenance plan

Commercial and Rec. Navigation Challenges to Implementation

- Liability and MPCA
- Pollutant loads
- Funding/transportation costs