



February 2007

To: Board of Managers

From: Tera Guetter, Administrator

Subject: **TOWARDS A 2007 WORKPLAN**

In the attached proposed Workplan, the two RMP approaches are highlighted: District-Wide Activities, and Lake Water Quality Management Area Activities.

As before, this is a working document, and it will serve as a focus for our 2007 proposed activities. Our plate is full!

Towards a 2007 Monitoring Plan, Senior Advisor Hecock has spent a fair amount of time reviewing and revising the Plan to better focus our monitoring efforts. There may be additional recommended changes after the plan is reviewed by MPCA and after we meet with the new staff at the City of Detroit Lakes Waste Water Treatment Plan.

District-Wide Activities	Continuing Activities	2007 Initiatives	Staff/Time Allocation	Other Resources Required
Education	<ul style="list-style-type: none"> Tours for Managers and Advisors Presentations for service groups, lake associations, classes Assistance to educational programs Publish annual summaries (GF) Web page Continuing education for managers and staff – workshops, conferences (GF) 	<ul style="list-style-type: none"> Establish demonstration BMP site Conduct Workshops – landscaper /shoreland owners WaterWatch Watershed Tour Promote other area workshops Add members to advisory committee See BMP, Permitting items below 	<p>Guetter – 10% (Full time) Hecock – 20% (1/2 time) Baer – 10% (3/4 time)</p>	<ul style="list-style-type: none"> \$1,000 – Waterwatch, Tour & Materials (GF-Outreach) \$1,000- Workshops and assistance with others (Utility-Grant Match) \$3,000 – Demonstration Site or Cost Share (Utility-Grant Match)
Data Collection (monitoring)	<ul style="list-style-type: none"> New Monitoring Strategy (attached) 8 lakes, 5 stream sites shoreline surveys Intensive monitoring in select areas 	<ul style="list-style-type: none"> TMDL & Impairment Assessments Replace/upgrade monitoring equipt. GIS UPGRADE –Coord. with Becker County & other agencies Review cooperative agreement with City of DL WWTP Campbell Creek Sediment Study 	<ul style="list-style-type: none"> Guetter – 10%(Full Time) Hecock – 60%(1/2 time) Interns – 2 full-time summer, 1 part-time annual 	<ul style="list-style-type: none"> \$7,000 for equipt (CWP Grant) \$15,800 - intern wages (SDAF) \$ 7,300 - fuel, supplies, mileage, outside lab (SDAF) \$4,000 GIS Computer /Software (GF -Outlay)
BMP's to Reduce Phosphorus and Sediment	<ul style="list-style-type: none"> See also Water Management Regulation Encourage vegetative buffer easements along riparian areas 	<ul style="list-style-type: none"> cost-share program for buffers and Ag BMP's – Skarie/Walberg sites, CC. Becker EDA Demonstration Site – Education above 	<p>Guetter – 10%(Full Time)</p>	<ul style="list-style-type: none"> \$6,000 – AG BMP cost share (Utility- Grant Match) See Education
Water Management Regulation	<ul style="list-style-type: none"> Continuous rigorous and consistent enforcement of Rules (see also education and BMP's); Advocate for City, County and State shoreline protection upgrades Serve on Becker County Ordinance Review Committee Becker EAW Technical Review Committee 	<ul style="list-style-type: none"> Downtown re-development policy Review and revise Rules and Education materials for MS4 Highway 10 project-phase 3 Ice Ridge Repair Policy 	<p>Guetter – 25%(Full Time) Hecock – 10%(1/2 time)</p>	<ul style="list-style-type: none"> \$4,000 – Engineering Assistance (Utility – Technical Assistance) \$6,000 Tech/Educational Materials - design/print (Utility - Tech.Assist.)
Lake Management Planning	<ul style="list-style-type: none"> Continue to motivate and assist lake associations to become proactive in promoting planning Encourage the adoption of special protection zones (see also Water Management Regulation) 	<ul style="list-style-type: none"> Develop model lake plan for one newly monitored & shoreline surveyed lake (Sand) ? 	<p>Guetter – 1%(Full Time) Hecock - 5% (1/2 time)</p>	<ul style="list-style-type: none"> \$1,000 (GF – Outreach)
Septic System Management	Encourage septic BMP's, and rigorous enforcement of regulations	Encourage county to resume septic monitoring	Guetter – 1%(Full Time)	
Ditch Management	Ensure proper ditch management – (Beaver)		Guetter – 5%(Full Time)	
General Administration	Project overview, grants, reports, budgets, payroll, etc; office equipment maintenance		Guetter – 15%(Full Time) Hecock – 10% (1/2 time) Baer 80% (3/4 time)	\$3,000 for office equipment – printer,computer/software upgrade (GF)

Lake Water Quality Management Areas(Goals)	Action Plan	2007 Initiatives	Staff Time and Resources
Sallie-Melissa <i>(lower Lake Sallie's TSI to <50)</i>	<ul style="list-style-type: none"> Reduce nutrients from upstream area Treat Ditch 14 stormwater and sewage discharges Control exotic plants Investigate groundwater Control Sallie internal loading 	<ul style="list-style-type: none"> Continue herbicide treatment for flowering rush Review mechanical harvesting activities Apply for grant funding for aquatic plant management plan Review City of DL WWTP permit. 	Resources for LWQMA's will be applied as follows:
Detroit/Rice <i>(reduce Big DL TSI by 5%; maintain recent gains for Little Detroit)</i>	<ul style="list-style-type: none"> reduce OP to Big Detroit study/control BD internal loading control exotic aquatic plants reduce untreated stormwater discharges obtain base data on lakes 	<ul style="list-style-type: none"> Finalize Rice Lake Implementation plan Complete baseline data for Glawe lake Apply for funding for aquatic plant mgmt plan and mapping of curly-leaved pondweed. Continue flowering rush herbicide treatment Review mechanical harvesting activities Develop point source treatment plan for Industrial Park (BTD AREA). 	<ol style="list-style-type: none"> 1. Interns will complete baseline studies of 5 lakes, start 1 new one. 2. Staff will plan exotic plant harvesting and chemical treatment; (approximately \$100,000) 3. staff will liaison with NRCS and SWCD to review Campbell Creek and Rice Lake studies and plans 4. Manager and staff time will increase for Rice Project
Long <i>(maintain mestotrophy; promote shoreline BMP's)</i>	<ul style="list-style-type: none"> advocate stricter shoreline regulations minimize impacts from nearby developments 	<ul style="list-style-type: none"> encourage city to tighten regulations oversight for planned development projects 	<ol style="list-style-type: none"> 5. More manager and staff time Campbell Crk initiative
Floyd/Campbell <i>(lower N Floyd TSI to <50)</i>	<ul style="list-style-type: none"> BMP's to reduce peak flows and sediment from Campbell Creek BMP's in Floyd basins monitor and mitigate landfill groundwater migration f obtain base data for other lakes 	<ul style="list-style-type: none"> Finalize Campbell Crk Sediment reduction plan. Purchase land and/or easements (CWP GRANT/LOAN) Baseline data for Sands Lake BMP Cost-share assistance for Skarie/Walberg See Monitoring Section 	<ol style="list-style-type: none"> 6. See AG BMPS
Pearl/Loon <i>(improve knowledge and citizen interest, address runoff problems)</i>	<ul style="list-style-type: none"> Obtain base data on all lakes Improve diagnosis of Pearl WQ Investigate ag runoff issues; prescribe solutions Encourage citizen involvement 	<ul style="list-style-type: none"> Obtain baseline data on Loon Lake Build lake data base from existing data 	
Small Lakes <i>(improve knowledge and citizen interest)</i>	<ul style="list-style-type: none"> Obtain data on 7 additional lakes Encourage citizen involvement, especially lake associations, and CLMP volunteers Continue to collect data on Meadow Johnson Abbey 	<ul style="list-style-type: none"> Hold meeting for land owners, including lake residents; try to recruit volunteer observers Begin to build data base from existing sources Baseline Data for Glawe (2006-2008). 	
Fox/Munson <i>(promote implementation of aggressive shoreline BMP's)</i>	<ul style="list-style-type: none"> Advocate for stricter shoreline controls Minimize impacts from highway, ag, and gravel Promote involvement of Munson residents 	<ul style="list-style-type: none"> Hold meeting for Munson residents 	
Brandy <i>(prevent further degradation, develop options for improved quality)</i>	<ul style="list-style-type: none"> Obtain base data on Oar, Wine and Oak lakes, complete Brandy baseline study Coordinate District efforts with MPCA's landfill remediation project Identify/address runoff problems Develop Brandy's WQ improvement plan 	<ul style="list-style-type: none"> Build lake data base from existing data 	