



February 2011

To: Board of Managers

From: Tera Guetter, Administrator

Subject: **TOWARDS A 2011 WORKPLAN**

- In the attached proposed 2011 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 start for 2011 proposed activities.
- Also included is a summary of 2010 Accomplishments

District-Wide Goals	Continuing	Special 2011 Initiatives	Staff/Time Allocation	Other Resources Required
Education <ul style="list-style-type: none"> • Publications, support of organizations, etc • Recruit more volunteers • Upgrade website • Awards/Demo Projects • Forums on various topics 	(see also Water Management, and BMP's) <ul style="list-style-type: none"> • Tours for Managers and Advisors • Presentations for service groups, lake associations, classes, fair booth, festivals • Assistance to educational programs • Publish annual summaries, lake info sheets • Web page modernization • Continuing education for managers and staff – workshops, conferences (GF) • Support of LA's and COLA • News articles 	<ul style="list-style-type: none"> • “Restore the Shore” DL overlook – Complete signage (DNR Grant Funds/25% District Match) • Citizen Advisory Committee – appointments, Tour, Awards • Rain Barrel Promotions-Community Ed, Elementary School • Restore The Shore – Community Ed classes • AIS legislative Forum/MAWD 	Guetter – 5% (Full time) Omberg – 40% (Full time) Zachay- 15% (Full time)	<ul style="list-style-type: none"> • \$4,000 –Education (GF-Outreach) • \$ 13,000 -RTS Signage (DNR Grant)
Data Collection (monitoring) <ul style="list-style-type: none"> • Maintain monitoring program • Upgrade monitoring equipment • Prepare lake-specific evaluations • Integrate monitoring and GIS • More citizen volunteers • Coordinate with other agencies 	<ul style="list-style-type: none"> • Update monitoring plan, including shoreline surveys and special needs • Execute monitoring plan • Recruit monitoring volunteers • Employ one summer intern • Add more lakes as determined • Training/seminars/conferences/courses 	<ul style="list-style-type: none"> • Utilize LiDAR in various project analysis • Enhanced modeling of stream data • Increase # of Vegetation surveys 	<ul style="list-style-type: none"> • Guetter – 5%(Full Time) • Hecock – 20%(1/4 time) • Zachay- 60% (Full Time) • Intern – seasonal 	<ul style="list-style-type: none"> • \$5,500 - intern wage (SADAF) • \$ 1,600- fuel, supplies, mileage (SDAF) • \$8,000 RMB Lab (SADAF) • \$ 10,000 (CWP – Pearl – Technician reimburse) • \$500 Capital Outlay (SADAF)
BMP's to Reduce Phos.and Sediment <ul style="list-style-type: none"> • Promote BMP's • Promote, acquire buffer zones 	(see also Water Mgmt Reg and Educ sections) <ul style="list-style-type: none"> • Encourage vegetative buffer easements along riparian areas • Encourage other BMP's 	<ul style="list-style-type: none"> • Partner with NRCS for Ag BMP implementation for Campbell Crk • Restore/Shore City Beach Project • Rice Lake Project 	Guetter – 30%(Full Time) Zachay- 15% (Full Time)	<ul style="list-style-type: none"> • \$10,000 – AG BMP cost share (UTY- Grant Match) • \$15,000 - Rice Lake, Easement Signage (UTY- Grant Match) • \$5,000 – Grant Match (UTY- Grant Match) • RTS – City Beach (DNR Grant - \$12,000)
Water Mgmt. Regulation (incl permitting) <ul style="list-style-type: none"> • Advocate regulations to promote water quality • Advocate rigorous and consistent enforcement of District and other rules • Coordinate with other units of government 	(see also BMP's and Education sections) <ul style="list-style-type: none"> • Continuous rigorous and consistent enforcement of Rules • practice oversight on County and City activities relating to water quality • Advocate for City, County and State water quality enhancement • Serve on inter-agency committees and panels 	<ul style="list-style-type: none"> • Negotiate regional storm water plans for Downtown and North Area re-development –City of DL • Update forums and website 	Guetter – 15%(Full Time) Omberg – 15% (Full-time) Becker SWCD	<ul style="list-style-type: none"> • \$13,500 – Permit reviews, Engineering Assistance, Permitting Educational Materials (UTY – Technical Assistance)
Lake Management Planning <ul style="list-style-type: none"> • Promote LMP concept; encourage adoption of special protection zones 	<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 Reg) • Project 1B/1C Aquatic Vegetation Management 	<ul style="list-style-type: none"> • PRWD /DNR Aquatic Plant Vegetation Management Plan; Complete Lake Vegetation Management Planning project on 7 lakes ; Public Input; • Flowering Rush Research studies (ACOE Mesocosm ; Concordia/U of Miss Phenology) • Aquatic Plant Committee • FR Research symposium (MAWD/PRWD?) 	Guetter – 25%(full Time) Hecock - 75% (1/4time) Zachay- 10% (full Time)	<ul style="list-style-type: none"> • \$90,000 – FR Phenology Study (LMP -01/ City of Detroit Lakes) • \$75,000 – FR Mesocosm Study (LMP –01/City of Detroit Lakes) • \$10,000 Research Test Plots (LMP-01) • \$6,000 - Research conf/meetings (LMP-01) • \$37,500 FR Chemical Control (1B & 1C)
Septic System Management <ul style="list-style-type: none"> • Encourage septic BMP's, and rigorous enforcement of regulations 	<ul style="list-style-type: none"> • Monitor permits for installation of ISP's • Promote alternative approaches • Work with landowner groups and local govts. 	<ul style="list-style-type: none"> • Encourage cluster systems (Sallie/Melissa); Provide assistance/information. 	Guetter - N/A	
Ditch Management	Ensure proper ditch management – (Beaver)	<ul style="list-style-type: none"> • Rice Lake Project Requirements 	Guetter - 7%(full Time)	<ul style="list-style-type: none"> • \$14,000 (D11/12, D13, D14)
General Administration <ul style="list-style-type: none"> • Project overview, grants, reports, budgets, payroll, etc; office equipment maintenance 	<ul style="list-style-type: none"> • Ensure productive employees • Maintain positive workplace conditions • Plan and manage finances; 2010 Audit • Office Equipment Updates 	<ul style="list-style-type: none"> • By-Law /Data Practices Policy Review. 	Guetter – 13%(full Time) Omberg 45% (full time) Seasonal Receptionist June – August (Part time)	\$7,000 -office equipment – (GF) \$ 5,000 – Consultant - Policies /Review(GF) \$6,000 – Seasonal Office Support (GF) \$14,000 – Audit, Attorney/Engineer Meeting attendance(GF)

Lake Water Quality Management Areas Goals	2011 Special Initiatives
<p>Sallie-Melissa <i>(lower Lake Sallie's TSI to <50)</i></p> <ul style="list-style-type: none"> • Reduce nutrients from upstream area • Treat Ditch 14 storm water and sewage discharges • Control exotic plants • Investigate groundwater • Control Sallie internal loading 	<ul style="list-style-type: none"> • Continue to monitor Airport Expansion – WQ Issues - City of DL WWTP impacts, storm water plan. • Continue herbicide treatment for flowering rush • Complete DNR Lake Vegetation Management Plans [LVMP's] for Muskrat, Sallie, Melissa, Mill Pond • Data Collection – TP/TN Ratio study; bottom sampling (2010-2011) • Investigate/implement Boat Launch Inspection Program
<p>Detroit/Rice <i>(reduce Big DL TSI by 5%; maintain recent gains for Little Detroit)</i></p> <ul style="list-style-type: none"> • reduce OP to Big Detroit • study/control BD internal loading • control exotic aquatic plants • reduce untreated storm water discharges • obtain base data on lakes 	<ul style="list-style-type: none"> • Complete engineering and easement acquisition Rice Lake Wetland Project • Complete PRWD Aquatic Plant Vegetation Plan and DNR Lake Vegetation Management Plans [LVMP's] for Big, Little Detroit, Curfman • Continue flowering rush herbicide treatment and mechanical harvesting of CLP • Negotiate Storm water Credit Agreement with the City of DL • Data Collection – Bottom Sampling (2010-2011) • Investigate/implement Boat Launch Inspection Program
<p>Long <i>(maintain mesotrophy; promote shoreline BMP's)</i></p> <ul style="list-style-type: none"> • advocate stricter shoreline regulations • minimize impacts from nearby developments 	<ul style="list-style-type: none"> • Hwy 59/Hwy 10 Road Study; Airport Expansion Impacts • Long Lake North Basin – vegetative screening (continue dialogue) • Investigate/implement Boat Launch Inspection Program
<p>Floyd/Campbell <i>(lower N Floyd TSI to <50)</i></p> <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 • obtain base data for other lakes 	<ul style="list-style-type: none"> • Work with NRCS and Landowners - AG BMP Plan for Campbell Creek Area; provide BMP Cost-share assistance • Advocate for Little Floyd Lake listing for Becker County ISTS compliance Study • Data Collection: Bottom Sampling (2010-2011) • Investigate/implement Boat Launch Inspection Program
<p>Pearl/Loon <i>(improve knowledge and citizen interest, address runoff problems)</i></p> <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"> • Continue CWP Grant - (2010 – 2013) – identify major nutrient sources and BMP's: enhanced monitoring; modeling; sediment core; plans • Investigate/implement Boat Launch Inspection Program
<p>Small Lakes <i>(improve knowledge and citizen interest)</i></p> <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; recruit/retain volunteer observers • DNR Lake Vegetation Management Plan for Mill Pond
<p>Fox/Munson <i>(promote implementation of aggressive shoreline BMP's)</i></p> <ul style="list-style-type: none"> • Advocate for stricter shoreline controls • Minimize impacts from highway, ag, and gravel <p>Promote involvement of Munson residents</p>	
<p>Brandy <i>(prevent further degradation, develop options for improved quality)</i></p> <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 <ul style="list-style-type: none"> • Identify/address runoff problems • Develop Brandy's WQ improvement plan 	<ul style="list-style-type: none"> • Obtain baseline data for Wine (2009-2011)

