

March 2016

To: Board of Managers  
From: Tera Guetter, Administrator

Subject: **TOWARDS A 2016 WORKPLAN**

- In the attached proposed 2016 Work plan, 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 2016 proposed activities.

District-Wide Goals	Continuing	2016 New Activities	Staff/Time	New Resources Required
<b>Education</b> <ul style="list-style-type: none"> <li>Publications, support of organizations, etc</li> <li>Recruit more volunteers</li> <li>Upgrade website</li> <li>Awards/Demo Projects</li> <li>Forums on various topics</li> </ul>	(see also Water Management, and BMP's) <ul style="list-style-type: none"> <li>Tours for Managers and Citizen Advisors</li> <li>Presentations for service groups, lake associations, classes, fair booth, water festival, City, County</li> <li>Assistance to educational programs</li> <li>Publish annual summaries, lake info sheets</li> <li>Website/Facebook</li> <li>Continuing education for managers and staff – workshops, conferences (GF); Support of LA's and COLA</li> <li>News articles/Monthly Hodge Podge radio</li> </ul>	<ul style="list-style-type: none"> <li>Collaborate with Becker SWCD, Zoning, MN DNR</li> <li>Revitalize PRWD Citizen Advisory Committee; Becker COLA meetings</li> <li>Clean Water Campaign materials (booklets, bags)</li> <li>Create new suite of Storm water management information (BMPS, Maintenance Guides, etc)</li> </ul>	Guetter – 15% (Full time) Moses – 20% (Full time) Alcott -5% (Full time)	<ul style="list-style-type: none"> <li>\$ 5,450 - GIS Extension/Permit System – UTY</li> <li>\$ 500 – Shoreland Ordinance/Rules Workshop- UTY</li> <li>\$ 2,500 Educational material costs (printing, signage) GEN</li> <li>\$ 1,500 watershed model/travelling case GEN</li> </ul>
<b>Data Collection (monitoring)</b> <ul style="list-style-type: none"> <li>Maintain monitoring program</li> <li>Upgrade monitoring equipment</li> <li>Prepare lake-specific evaluations</li> <li>Integrate monitoring and GIS</li> <li>citizen volunteers, agency coordination</li> </ul>	<ul style="list-style-type: none"> <li>Update &amp; implement monitoring plan and data</li> <li>Recruit additional monitoring volunteers</li> <li>Employ two summer interns for lake/stream monitoring</li> <li>Training/seminars/conferences/courses</li> </ul>	<ul style="list-style-type: none"> <li>Campbell Creek Project effectiveness</li> <li>Industrial Park – monitoring for CW Grant/City</li> <li>Shoreline surveys- B-N-S Floyds; Long</li> <li>1-seasonal intern for stormwater practice inspection; database, RMP assistance</li> </ul>	<ul style="list-style-type: none"> <li>Guetter – 5%(Full Time)</li> <li>Alcott -20% (Full time)</li> <li>Interns – seasonal</li> <li>Moses– 10% (Full Time)</li> </ul>	<ul style="list-style-type: none"> <li>\$ 30,000 replace 2003 pickup- 2017???</li> <li>\$ 1,000 – Industrial Park sampling – UTY</li> <li>\$ 4,500 -\$5,500 – intern for Permit/inspection</li> </ul>
<b>BMP's to Reduce Phos and Sediment</b> <ul style="list-style-type: none"> <li>Promote BMP's</li> <li>Promote, acquire buffer zones</li> </ul>	(see also Water Mgmt Reg and Educ sections) Encourage vegetative buffer easements along riparian areas <ul style="list-style-type: none"> <li>Encourage other BMP's</li> <li>Restore-the-shore – HWY 10 overlook maint.</li> </ul>	<ul style="list-style-type: none"> <li>Secure Funding to Rice Lake Project</li> <li>Assist MN DNR with buffer enforcement (waterways)</li> <li>CW Grant Funding for West Lake Drive &amp; Industrial Park improvements (stormwater innovation; buffers) - July</li> <li>HWY 10 Overlook Rehabilitation/City of DL/Becker SWCD</li> <li>Cost Share Assistance for Shoreland Buffers</li> <li>Develop GIS based database for BMPs</li> </ul>	Guetter – 30%(Full Time) Alcott – 10% (Full Time)	<ul style="list-style-type: none"> <li>\$ 500,000 - Rice Lake, Easement (UTY- Grant Match) – over 4 year period</li> <li>\$ 2,000 – DL Overlook rehabilitation (UTY)</li> <li>\$5,000 -Match for Becker R-T-S cost share for lakes within District – (UTY)</li> </ul>
<b>Water Mgmt. Regulation (incl permitting)</b> <ul style="list-style-type: none"> <li>Advocate regulations to promote water quality</li> <li>Advocate rigorous and consistent enforcement of District and other rules</li> <li>Coordinate with other units of government</li> </ul>	Continuous rigorous and consistent enforcement of Rules <ul style="list-style-type: none"> <li>practice oversight on County and City activities relating to water quality</li> <li>Advocate for City, County and State water quality enhancement</li> <li>Serve on inter-agency committees and panels</li> <li>Update Website - Permit information/location links</li> </ul>	<ul style="list-style-type: none"> <li>BMP Database/Inventory/Condition Assessment</li> <li>Explore rule revision process with RMP</li> <li>Revised Management Plan (Wenck)</li> <li>Ottetail Basin WRAP – Delayed??</li> <li>Permit Application Software – County BWSR grant; Work with county &amp; city on streamlined permitting               <ul style="list-style-type: none"> <li>City of DL Shoreland Ordinance Update</li> </ul> </li> </ul>	Guetter – 10%(Full Time) Alcott – 35%(Full Time) Moses – 15% (Full-time) Becker SWCD	<ul style="list-style-type: none"> <li>\$45,000 – Revised Management Plan consulting – GEN/UTY</li> <li>\$5,000 – RMP meetings, reviews</li> <li>\$3,300 GIS upgrade 10.3 or newer - UTY</li> <li>\$3,000 BWSR County grant match - UTY</li> <li>\$500 GIS online training – Alcott – GEN</li> <li>\$3,000-4,000 Manager per diem/expenses meetings/public input/hearing</li> </ul>
<b>Lake Management Planning</b> <ul style="list-style-type: none"> <li>Promote LMP concept; encourage adoption of special protection zones</li> </ul>	<ul style="list-style-type: none"> <li>Continue to motivate and assist lake associations to become proactive in promoting planning</li> <li>Encourage the adoption of special protection zones (see also Water Management Reg)</li> <li>Project 1B/1C Aquatic Vegetation Management</li> </ul>	<ul style="list-style-type: none"> <li>Continue Revised Management Plan Update Process</li> <li>Vegetation Surveys CLP and FR</li> <li>Flowering Rush In-Lake treatment Research studies</li> <li>Curly-leafed Pondweed chemical treatments – Detroit, Curfman, Muskrat, Sallie, Melissa</li> </ul>	Guetter – 25%(Full Time) Alcott – 20% (Full Time) Moses – 15%(Full Time)	<ul style="list-style-type: none"> <li>\$ 100,000 CLP &amp; FR treatments – 1C - Detroit</li> <li>\$ 30,000 CLP &amp; FR treatments – 1B-Sal/Mel</li> <li>\$ 30,000 FR Research – LMP-01</li> <li>\$ 25,000 Vegetation surveys – Detroit, Curfman, Muskrat, Sallie, Melissa for CLP and FR treatments</li> </ul>
<b>Septic System Management</b> <ul style="list-style-type: none"> <li>Encourage septic BMP's, and rigorous enforcement of regulations</li> </ul>	<ul style="list-style-type: none"> <li>Monitor permits for installation of ISP's</li> <li>Support BC Septic inspection program</li> <li>Encourage cluster systems (Sallie/Melissa)</li> <li>Promote alternative approaches</li> <li>Work with landowner groups and local govts.</li> </ul>	<ul style="list-style-type: none"> <li>Work with City of DL – Wastewater treatment plant upgrade; assist with grant funding opportunities</li> </ul>	Guetter - N/A	
<b>Ditch Management</b>	Ensure proper ditch management – (Beaver)	<ul style="list-style-type: none"> <li>Rice Lake Project Requirements</li> <li>Ditch Inventory Project Grant</li> </ul>	Guetter - 5%(full Time) Alcott - 5% (Full time)	\$2,000 – Ditch project grant match UTY
<b>General Administration</b> <ul style="list-style-type: none"> <li>Project overview, grants, reports, budgets, payroll, etc; office equipment maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Plan and manage finances; 2014 Audit</li> <li>Office Equipment Updates</li> <li>Annual Report</li> </ul>	<ul style="list-style-type: none"> <li>Software- Windows10, MS office Pro, QB's Pro</li> <li>Computers – (Reception, Financial, Administrator)</li> <li>50 year WD Celebration???</li> </ul>	Guetter – 10%(full Time) Alcott – 5% (Full Time) Moses 40% (full time)	<ul style="list-style-type: none"> <li>\$5,500 Software, Computers - GEN</li> </ul>

Lake Water Quality Management Areas Goals	2016 New Activities
<p><b>Sallie-Melissa</b> <i>(lower Lake Sallie's TSI to &lt;50)</i></p> <ul style="list-style-type: none"> <li>• Reduce nutrients from upstream area</li> <li>• Treat Ditch 14 storm water and sewage discharges</li> <li>• Control exotic plants</li> <li>• Investigate groundwater</li> <li>• Control Sallie internal loading</li> </ul>	<ul style="list-style-type: none"> <li>• Lake-wide herbicide treatment for flowering rush; CLP Treatments</li> <li>• Continue to monitor Airport Expansion – WQ Issues - City of DL WWTP impacts, storm water plan;</li> <li>• Review St. Clair – investigate bottom sediment treatments – Alum treatment?????</li> <li>• St. Clair TMDL</li> </ul>
<p><b>Detroit/Rice</b> <i>(reduce Big DL TSI by 5%; maintain recent gains for Little Detroit)</i></p> <ul style="list-style-type: none"> <li>• reduce OP to Big Detroit</li> <li>• study/control BD internal loading</li> <li>• control exotic aquatic plants</li> <li>• reduce untreated storm water discharges</li> <li>• obtain base data on lakes</li> </ul>	<ul style="list-style-type: none"> <li>• Rice Lake - Secure funding; Complete engineering and easement acquisition</li> <li>• Continue lake wide flowering rush herbicide ; CLP treatments</li> <li>• West Lake Drive and Industrial Park – CW grant application</li> <li>• City of DL Ordinance Update review</li> </ul>
<p><b>Long</b> <i>(maintain mestotrophy; promote shoreline BMP's)</i></p> <ul style="list-style-type: none"> <li>• advocate stricter shoreline regulations</li> <li>• minimize impacts from nearby developments</li> </ul>	<ul style="list-style-type: none"> <li>• Gravel mining expansion</li> </ul>
<p><b>Floyd/Campbell</b> <i>(lower N Floyd TSI to &lt;50)</i></p> <ul style="list-style-type: none"> <li>• BMP's to reduce peak flows and sediment from Campbell Creek</li> <li>• BMP's in Floyd basins</li> <li>• monitor and mitigate landfill groundwater migration</li> <li>• obtain base data for other lakes</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor DL annexation of Little, North, Big Floyd lakes</li> <li>• Monitor Campbell Creek BMP effectiveness</li> <li>• E Coli study;</li> <li>• Grant application for buffers/seawall removal on South Shore of Little Floyd Lake</li> </ul>
<p><b>Pearl/Loon</b> <i>(improve knowledge and citizen interest, address runoff problems)</i></p> <ul style="list-style-type: none"> <li>• Obtain base data on all lakes</li> <li>• Improve diagnosis of Pearl WQ</li> <li>• Investigate ag runoff issues; prescribe solutions</li> <li>• Encourage citizen involvement</li> </ul>	<ul style="list-style-type: none"> <li>• Develop prototype LWQMA plan for Pearl-Loon management area</li> <li>• Have Becker SWCD look at potential BMP's</li> </ul>
<p><b>Small Lakes</b> <i>(improve knowledge and citizen interest)</i></p> <ul style="list-style-type: none"> <li>• Obtain data on 7 additional lakes</li> <li>• Encourage citizen involvement, especially lake associations, and CLMP volunteers</li> <li>• Continue to collect data on Meadow, Johnson, Abbey</li> </ul>	<ul style="list-style-type: none"> <li>• Recruit/retain volunteer observers (Secchi readings) for Meadow, Johnson , Abbey</li> <li>• Lind Lake Discharge study</li> </ul>
<p><b>Fox/Munson</b> <i>(promote implementation of aggressive shoreline BMP's)</i></p> <ul style="list-style-type: none"> <li>• Advocate for stricter shoreline controls</li> <li>• Minimize impacts from highway, ag, and gravel <ul style="list-style-type: none"> <li>• Promote involvement of Munson residents</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Advocate for Fox/Munson Lake Association</li> <li>• Recruit/retain volunteer observers (Secchi readings) for Munson</li> <li>• Review data needs for Munson &amp; Fox lakes</li> <li>• Advocate for Munson Lake listing for Becker County ISTS compliance Study</li> <li>• Recommend County ISTS study</li> </ul>
<p><b>Brandy</b> <i>(prevent further degradation, develop options for improved quality)</i></p> <ul style="list-style-type: none"> <li>• Obtain base data on Oar, Wine and Oak lakes, complete Brandy baseline study</li> <li>• Coordinate District efforts with MPCA's landfill remediation project <ul style="list-style-type: none"> <li>• Identify/address runoff problems</li> <li>• Develop Brandy's WQ improvement plan</li> </ul> </li> </ul>	<p>Work with MPCA on potential Wine TMDL (MPCA is the lead agency).</p>