

March 2017

To: Board of Managers

From: Tera Guetter, Administrator

Subject: **TOWARDS A 2017 WORKPLAN**

In the attached proposed 2017 Work plan, the two RMP approaches are highlighted:

- District-Wide Activities; and
- Lake Water Quality Management Area Activities.

This a working document, and it will serve as a start for 2017 proposed activities.

District-Wide Goals	Continuing	2017 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>• Contractor Seminar</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 City of DL and Becker County – Shoreland, stormwater, trainings/seminars</li> <li>• Revitalize PRWD Citizen Advisory Committee;</li> <li>• Work/engage with organizations such as Becker COLA. Rotary , etc.</li> <li>• Create new suite of Storm water management information (BMPS, Maintenance Guides, etc)</li> <li>• Present to more Community and Lake Association groups</li> </ul>	Guetter – 15% (Full time) Moses – 20% (Full time) Alcott -5% (Full time)	<ul style="list-style-type: none"> <li>• \$ 500 – Shoreland Ordinance/Rules Seminar- (UTY)</li> <li>• \$1,.000 Educational material costs (printing, signage) (GEN)</li> <li>• \$500 – Update displays board (GEN)</li> <li>• \$ 1,000 – stormwater management material development and printing (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>• Industrial Park – monitoring for CW Grant/City</li> <li>• Shoreline surveys- Sallie, Melissa</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– 5% (Full Time)</li> </ul>	<ul style="list-style-type: none"> <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>• 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>• Raingarden in City of DL; Overlook Area</li> <li>• Cost Share Assistance for Shoreland Buffers</li> <li>• Develop GIS based database for BMPs</li> <li>• Review areas from Drainage Inventory for potential projects</li> </ul>	Guetter – 20%(Full Time) Alcott – 15% (Full Time) Moses – 5% (Full Time)	<ul style="list-style-type: none"> <li>• \$ 151,000 - Rice Lake, Easement (UTY- Grant Match) – balance of 25% grant match</li> <li>• \$ 5,000 - \$20,000 -Cost share for shoreland, rain gardens, other special projects 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>• Explore rule revision process with RMP</li> <li>• Revised Management Plan (Wenck)</li> <li>• Ottetail Basin WRAPS</li> <li>• Permit Application Software – County BWSR grant; Work with county &amp; city on streamlined permitting</li> <li>• City of DL Shoreland Ordinance Update</li> </ul>	Guetter – 20%(Full Time) Alcott – 30 % (Full Time) Moses – 15% (Full-time) Becker SWCD	<ul style="list-style-type: none"> <li>• \$20,000 – Revised Management Plan consulting – GEN/UTY</li> <li>• \$5,000 – RMP meetings, reviews – GEN/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 (GEN)</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> <li>• AIS prevention, rapid response, control</li> </ul>	<ul style="list-style-type: none"> <li>• Manage AIS infestations</li> <li>• Encourage continued inspection program at public and private accesses</li> </ul>	Guetter – 25%(Full Time) Alcott – 20% (Full Time) Moses – 15%(Full Time)	<ul style="list-style-type: none"> <li>• \$ 65,000 CLP &amp; FR treatments – 1C - Detroit</li> <li>• \$ 35,000 CLP &amp; FR treatments – 1B-Sal/Mel</li> <li>• Starry Stonewort Rapid Response Plan</li> <li>• FR River/onshore emergent treatment research \$ 15,000 -mid August Treatment (LMP)</li> <li>• \$5,000-\$10,000 Access inspection - cost share match for LA? (LMP)</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>• Buffer compliance</li> </ul>	Guetter - 5%(full Time) Alcott - 5% (Full time)	

<p><b>General Administration</b></p> <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; 2016 Audit</li> <li>Office Equipment Updates</li> <li>Annual Report</li> </ul>	<ul style="list-style-type: none"> <li>Office Equipment - Computers – (laptop, reception); Copier.</li> <li>MAWD strategic plan support</li> </ul>	<p>Guetter – 10%(full Time) Alcott – 5% (Full Time) Moses 40% (full time)</p>	<ul style="list-style-type: none"> <li>\$6,000 Software, Computers – GEN</li> <li>\$ 4,800 MAWD Dues (\$2,800 2016) – GEN</li> <li>Audit Firm change - \$4,700 - GEN</li> </ul>
<p><b>Lake Water Quality Management Areas Goals</b></p>		<p><b>2017 New Activities</b></p>		
<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 –, storm water plan; wetland mitigation (onsite wetland vs credits)</li> <li>Start to explore second Alum treatment on St. Clair Lake – Joe Bishop – Wenck – get a bid for study and plan</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 - Complete engineering and easement acquisition ; construction</li> <li>Continue lake wide flowering rush herbicide ; CLP treatments</li> <li>West Lake Drive and Industrial Park – CW grant application - reapply</li> <li>City of DL Ordinance Update review</li> </ul>		
<p><b>Long</b> <i>(maintain mesotrophy; 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; road/infrastructure expansion on west and east sides</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>Grant application for buffers/seawall removal on South Shore of Little Floyd Lake</li> <li>Investigate bank restoration – Campbell Creek</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</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 Fox/Munson Lake Association</li> <li>Recruit/retain volunteer observers (Secchi readings) for Munson</li> </ul>		

<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>• 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>