

District-Wide Goals	Ongoing	2019 Target Activities	Staff/Time	New Resources Required
<p><b>Education</b></p> <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> </ul>	<p>(see also Water Management, and BMP's)</p> <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>• Create PRWD permit guide (BMPS, Maintenance Guides, etc) and promote rule update.</li> <li>• PRWD Citizen Advisory Committee project tour</li> <li>• Work/engage with organizations such as Becker COLA, Rotary , etc.</li> <li>• Present to 3 service Clubs and 2-3 Lake Association groups.</li> <li>• Rice Lake project –mail landowner letters and promote project in media.</li> <li>• Sucker Creek education events (school, field trips); Water Festival, Ike Fischer Farm</li> <li>• Hold Smart Salting Training for road applicators.</li> <li>• Storm Drain Education with City of Detroit Lakes</li> </ul>	<p>Guetter – 10% (Full time) Moses – 25% (Full time) Alcott -10% (Full time)</p>	<ul style="list-style-type: none"> <li>• \$2,000 – general watershed education (printing, signage) (GEN)</li> <li>• \$ 2,000 – stormwater management material development and printing (UTY)</li> <li>• \$500 – Smart Salting Training (UTY)</li> <li>• \$500 – Storm Drain literature and materials</li> <li>• \$1000- Citizen Advisory Committee tour</li> </ul>
<p><b>Data Collection (monitoring)</b></p> <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>• Pelican River-Storm event monitoring, e-coli and chloride</li> <li>• Shoreline surveys- Long, Munson, Pearl</li> <li>• Lake Vegetation Surveys-Detroit, Curfman</li> <li>• More lake volunteers on Pearl, Brandy, Abbey, Meadow, Johnson/Reeves for secchi readers</li> <li>• Effectiveness monitoring for Rice Lake/Campbell Creek/St. Clair</li> <li>• Detroit, Curfman, Sallie &amp; Melissa (Floyd?)- Phytoplankton and Zooplankton assessment</li> <li>• Equipment purchases-Stream meter, staff gauges, hobo loggers</li> <li>• Equipment repairs – Trimble screen, boat battery, outboard starter</li> <li>• Assist with stormwater basin effectiveness monitoring</li> </ul>	<p>Guetter – 10%(Full Time) Alcott – 15% (Full Time) Moses – 5% (Full Time)</p>	<ul style="list-style-type: none"> <li>• \$1,000 – Industrial Park sampling –( UTY)</li> <li>• \$5,000 for ZM phytoplankton and zooplankton assessment (LMP-01)</li> <li>• \$4,000 Special Project Study (Concordia) (LMP-01)</li> <li>• \$3,000 pre and post Rice Lake monitoring (UTY)</li> <li>• \$2,200 equipment purchases (SADAF)</li> <li>• \$3,000 Vegetation surveys (LMP-01)</li> <li>• \$3,000 equipment and repairs (LMP-01)</li> </ul>
<p><b>BMP's to Reduce Phos and Sediment</b></p> <ul style="list-style-type: none"> <li>• Promote BMP's</li> <li>• Promote, acquire buffer zones</li> </ul>	<p>(see also Water Mgmt Reg and Educ sections) Encourage vegetative buffer easements along riparian areas</p> <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>• Re-apply for CWP Grant Funding for West Lake Drive &amp; Industrial Park improvements (stormwater innovation; buffers) - July</li> <li>• Dunton dry dock outlet modification</li> <li>• Cost Share Assistance for Shoreland BMP's</li> <li>• Rice Lake Project construction</li> <li>• Use PTM tool to identify areas for potential phosphorous reduction.</li> <li>• Pursue phosphorous study-Ditch 14, St. Clair, North Floyd</li> <li>• Pelican River Clean up event (Hwy 34 to Hwy 10 in Industrial Park) (Scouts to assist)</li> </ul>	<p>Guetter – 20%(Full Time) Alcott – 15% (Full Time) Moses – 5% (Full Time)</p>	<ul style="list-style-type: none"> <li>• \$500,000 - Rice Lake construction (UTY- Grant Match) – 25% grant match</li> <li>• \$10,000-Cost share for shoreland, rain gardens, other special projects within District – (UTY)</li> <li>• \$500 - River Clean up (GEN)</li> <li>• \$5,000-Dunton dry dock outlet modification (UTY)</li> <li>• \$60,000-Ditch 14, St. Clair, North Floyd studies</li> </ul>
<p><b>Water Mgmt. Regulation (incl permitting)</b></p> <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>	<p>Continuous rigorous and consistent enforcement of Rules</p> <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>• Rule revision and buffer enforcement</li> <li>• Revised Management Plan (Wenck)</li> <li>• Ottertail Basin WRAPS</li> <li>• Permit Application Software – County BWSR grant; Work with county &amp; city on streamlined permitting; MOU with Becker County Zoning for District permitted projects.</li> <li>• Inspect permitted projects (ensure vegetation , buffer, and rain garden functionality)</li> </ul>	<p>Guetter – 30% (Full Time) Alcott – 30% (Full Time) Moses –15% (Full-time)</p>	<ul style="list-style-type: none"> <li>• \$4,000 – Revised Management Plan consulting – (GEN/UTY)</li> <li>• \$7,500 – Rules (GEN)</li> <li>• \$2,000 County permit program –( UTY)</li> </ul>

<p><b>Lake Management Planning</b></p> <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 Flowering Rush and Curly leafed Pondweed on Detroit, Curfman, Muskrat, Sallie, Melissa</li> <li>New AIS Readiness Response Plan; survey public access for AIS</li> <li>Lake vegetation survey on Detroit &amp; Curfman</li> <li>Continue roadside pick up program (Detroit, Curfman, Sallie &amp; Melissa)</li> </ul>	<p>Guetter – 15%(Full Time) Alcott – 20% (Full Time) Moses – 15%(Full Time)</p>	<ul style="list-style-type: none"> <li>\$60,000 CLP &amp; FR treatments – 1C - Detroit</li> <li>\$40,000 CLP &amp; FR treatments – 1B-Sal/Mel</li> <li>\$5,000 - Readiness Response Plan (LMP-01)</li> <li>\$18,000-Roadside pickup (1B, 1C)</li> </ul>
<p><b>Septic System Management</b></p> <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>Continue support of County inspection program; Review Rules</li> </ul>	<p>Guetter - N/A</p>	
<p><b>Drainage Systems</b></p>	<ul style="list-style-type: none"> <li>Ensure proper ditch management – (Beaver)</li> <li>Enforce buffer compliance Rule</li> </ul>	<ul style="list-style-type: none"> <li>Rice Lake Project Requirements</li> <li>Buffer Rule Enforcement</li> <li>Beaver and blockage management</li> <li>Drainage system meetings/trainings</li> </ul>	<p>Guetter - 5%(full Time) Alcott - 5% (Full time)</p>	<ul style="list-style-type: none"> <li>\$3,500 Buffer Enforcement (DBE)</li> <li>\$5,500 Beaver and blockage (D 11-12,13,14)</li> <li>\$750 – Drainage system meetings/trainings (DBE &amp; Ditch 11/12, 13, 14)</li> </ul>
<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; 2018 Audit</li> <li>Office Equipment Updates</li> <li>Annual Report</li> </ul>	<ul style="list-style-type: none"> <li>Office Equipment Computers – (Administrator, 4 monitors); Conference Room monitor</li> <li>Review District Bylaws</li> <li>Contract renewals – office space, audit firm, GIS Arc map, HR/job description and salary update</li> </ul>	<p>Guetter – 10%(full Time) Alcott – 5% (Full Time) Moses - 35% (full time)</p>	<ul style="list-style-type: none"> <li>\$5,500 Software, Computers – GEN</li> <li>\$4,775 MAWD Dues 2019 – GEN</li> <li>\$5000 Audit Firm change/renewal – GEN</li> <li>\$2,000 Noah &amp; Associates – GEN</li> <li>\$200 ESRI GIS software grant (LMP-01, UTY)</li> </ul>
<p><b>Lake Water Quality Management Areas Goals</b></p>		<p><b>2019 Target 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; Rapid response for new AIS (Starry Stonewort, Eurasian Water Milfoil, etc)</li> <li>Continue to monitor Airport Expansion Phase II– storm water plan; wetland mitigation (onsite wetland vs credits)</li> <li>Investigate phosphorus – St. Clair, Ditch 14, DL WWTF potential impacts from continuous water discharge through legacy phosphorus areas; St. Clair TMDL – review drainage areas for potential phosphorus removal (regional basis, linear projects, street sweeping, etc)</li> <li>Zebra Mussel Impacts - Phytoplankton and Zooplankton assessment; population inhibitors? PRWD Special Project; MN DNR/MAISRC project</li> <li>St. Clair – large scale residential development (80 acre tract on west side)</li> <li>Partner with Becker County Park for dry dock dam removal/rock rapids installation</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 construction</li> <li>Continue lake wide flowering rush herbicide ; CLP treatments; Rapid response for new AIS (Starry Stonewort, Eurasian Water Milfoil, etc)</li> <li>West Lake Drive and Industrial Park – CW grant application – reapply</li> <li>Zebra Mussel Impacts - Phytoplankton and Zooplankton assessment; population inhibitors? PRWD Special Project; MN DNR/MAISRC project</li> <li>Vegetation survey – Detroit and Curfman</li> <li>WRAPS – MPCA complete data collection 2019; Pelican River – eColi impairment; DO, fisheries/biological stressors</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> <li>shoreline survey</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 Campbell Creek BMP effectiveness</li> <li>WRAPS – MPCA complete data collection 2019; Campbell Creek (sediment Impairment - bank erosion/cattle crossings)</li> <li>North Floyd in-lake Alum treatment potential</li> <li>Zebra Mussel Impacts - Phytoplankton and Zooplankton assessment – investigate? PRWD Special Project; MN DNR/MAISRC project</li> <li>Monitor DL annexation of Little, North, Big Floyd lakes</li> <li>Special Project for interns – survey residents for interest in removing sea walls on Little Floyd.</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>• Becker SWCD look at potential BMP's for Pearl</li> <li>• Complete Shoreline survey- Pearl</li> <li>• Sample Loon – TP, Chl-A</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>• Send out letters to lakeshore residents for secchi reading - Pearl, Meadow, Johnson/Reeves</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>• Letter to recruit secchi readers on Munson</li> <li>• Complete shoreline survey Fox and Munson</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>	<ul style="list-style-type: none"> <li>• Work with MPCA on potential Wine TMDL (MPCA is the lead agency).</li> <li>• Subdivision potential</li> </ul>