

RPBCWD Staff Report – June 2022

Administration	Description	Update	Partners
Accounting, Audit & Budget	<p>Coordinate with Accountants for the development of financial reports.</p> <p>Coordinate with the Auditor.</p> <p>Continue to work with the Treasurer to maximize on fund investments.</p>	<p>Staff Bakkum compiled the monthly treasurer’s report. Administrator Jeffery, Staff Bakkum, and Redpath staff have provided all items requested by Abdo towards the completion of the 2021 financial audit. Justin Nilson of Abdo presented the 2021 financial audit report to the Audit and Finance committee on June 10th, 2022 who moved to recommend its acceptance.</p> <p>Upon its acceptance at the June 28th special meeting, the final 2021 financial report was distributed to BWSR and the State Auditor prior to the June 30th deadline.</p> <p>Administrator Jeffery, Staff Bakkum, and Engineer Sobiech began work on the 2023 budget and levy to be presented in a preliminary form at the July meeting.</p> <p>The account with US Bank has been set up and is ready for the transfer of funds. The 4M account is also set up and will begin investing upon transfer of funds to the account. Interim Administrator Jeffery is working with Manager Crafton, Staff Bakkum, Counselor Welch, and Jennifer Vuccinovich from US Bank to facilitate this.</p>	
Administration	<p>Administrator activities</p>	<p>Administrator Jeffery continues working with Imagine IT to work out bugs with MS365.</p> <p>Administrator Jeffery continues to work with ImagineIT to address the WiFi, firewall, and cybersecurity. ImagineIT will prepare a report or present to the Board this summer.</p> <p>Administrator Jeffery worked with North Risk Partners, legal counsel, and the League of MN Cities Insurance Trust to update and renew the RPBCWD workers’ compensation and common coverage.</p> <p>Administrator Jeffery is continuing to work on office configuration for meetings and hybrid readiness.</p>	
Annual Report & Communication	<p>Compile, finalize and submit an annual report to agencies.</p>	<p>The 2021 financial audit was submitted to BWSR to complete the annual reporting requirements.</p>	
DEI	<p>Diversity, Equity, and Inclusion</p>	<p>Staff Mahon Attended a monthly DEI Workgroup session on June 23rd hosted by CRWD for watershed districts to work together on their DEI goals.</p>	
Human Resources	<p>General Human Resources</p>	<p>No Change. Personnel Committee meeting in late July. Date TBD</p>	

Internal Policies	Work with Governance Manual and Personnel Committees to review bylaws and manuals as necessary.	Administrator Jeffery has disseminated a request to staff to review Governance Manual and offer any suggestions they may have. He emphasized this is voluntary and, if they prefer, can be anonymous. Administrator Jeffery presented a request to the CAC to offer thoughts and edits to the Governance Manual. As with staff, the CAC participation is voluntary. Several members expressed an interest in participating with one member providing comments.	
Advisory	Engage with the Technical Advisory Committee on water conservation, chloride management and emerging topics. Engage with the Citizen Advisory Committee on water conservation, annual budget, and emerging topics.	The CAC held a regular meeting on June 20. The next regular meeting of the CAC will be on July 18. Administrator Jeffery and Engineer Sobiech will be meeting with local road authorities to discuss possible changes to regulatory program and RPBCWD policy to allow for a more creative, cooperative, and holistic approach to stormwater management on linear projects. This meeting will be held on August 18, 2022. A subsequent meeting will be held with the entire TAC and Community Development staff at a date to be determined.	
Local SWMP		No changes.	
MAWD	Minnesota Association of Watershed Districts	Administrator Jeffery will be attending MAWA in Grand Forks, ND on August 23, 2022. This is to be held concurrent with the MAWD Summer Tour. The MAWD Annual Conference and Trade Show is scheduled for November 30, 2022 – December 3, 2022.	
District-Wide	Description	Update	Partners
Regulatory Program	Review regulatory program to maximize efficiency. Engage Technical Advisory Committee and Citizen Advisory Committee on possible rule changes. Implement a regulatory program.	Administrator Jeffery and Engineer Sobiech met with staff for the City of Eden Prairie and their consultant as well as representatives of the LMRWD for a pre-submittal meeting for the reconstruction of a portion of Dell Rd including where it crosses Riley Creek. The involved stakeholders are looking for partnership opportunities. Administrator Jeffery and Engineer Sobiech met with staff for the City of Chanhassen and their consultant for a pre-submittal meeting for the reconstruction of a portion of Galpin Ave including where it crosses Bluff Creek at Reach 5. The involved stakeholders are looking for partnership opportunities.	
Aquatic Invasive Species (AIS)	Review AIS monitoring program. Develop and implement Rapid Response Plan as appropriate. Coordinate with LGUs and keep	Staff have been checking/cleaning the barrier one to two times per week. No removal events have occurred since the spring spawning run. Regular carp monitoring activities will begin at the end of July.	City of Chanhassen City of Eden Prairie University of

	<p>stakeholders aware of AIS management activities.</p> <p>Manage and maintain the aeration system on Rice Marsh Lake.</p> <p>Riley Chain of Lakes Carp Management.</p> <p>Purgatory Chain of Lakes Carp Management.</p> <p>Review AIS inspection program.</p> <p>Keep abreast of technology and research in AIS.</p> <p>Zebra mussel adult and veliger monitoring.</p>	<p>Zebra mussel veliger sampling occurred on most lakes this past month and will be finished up this month. EDNA testing will occur by Carver County this month</p> <p>Per board direction, Administrator Jeffery reached out to the Water Resources Coordinator for Eden Prairie to request a more detailed scope of the watercraft inspection program. Upon receipt, Smith Partners will draft an agreement to be sent to Eden Prairie for execution. This has yet to be received.</p> <p>Adopt-a-Dock volunteers received their plates last month and have begun making bimonthly observations monitoring for zebra mussels. 22 volunteers are participating this year.</p> <p>All curly leaf pondweed treatments were finished this last month. Early observations of the Staring Lake Fluridone treatment indicate good control on the Eurasian Watermilfoil. Lake Riley will likely receive the final herbicide treatment for the district this month for Eurasian Watermilfoil (13.4 acres).</p>	<p>Minnesota MN DNR Carver County</p>
Cost-Share	<p>Schedule and coordinate site visits.</p> <p>Review applications and recommend implementation.</p> <p>Evaluate program.</p>	<p>The 2022 Watershed Stewardship Grant (WSG) program currently has a total of 17 active grants including two pending agreements. Two projects wrapped up in June. Two additional agreements are pending.</p> <p>Staff Dickel is expanding the WSG database developed by Staff Forbes to include a detailed history of all WSG funded projects since the program launched in 2012.</p> <p>Staff Forbes has ordered updated “Clean Water Begins Here” signs to post at cost share supported projects. The new aluminum signs are pre-drilled for easier mounting.</p> <p>Staff Forbes gave a virtual presentation about the District and cost share program to Cherry Creek Association board in Minnetonka on June 23. The homeowners’ group is interested in implementing BMPs on their property, which is close to Purgatory Creek. They have requested an additional presentation at their larger July 26 meeting.</p>	<p>Carver County Soil & Water Conservation District</p>
Data Collection	<p>Continue Data Collection at permanent sites.</p> <p>Watershed Outlet Monitoring Program.</p> <p>Identify monitoring sites to assess future project sites.</p> <p>Water Level Sensors</p>	<p>WOMP stations: samples were collected 3 times this month for the Metropolitan Council.</p> <p>Regular bi-weekly lake and stream sampling resumed in June and will continue through the growing season (September).</p> <p>Zooplankton and Phytoplankton will be collected monthly on Riley, Lotus, Susan, Staring, and Rice Marsh in 2022.</p>	<p>Metropolitan Council City of Eden Prairie University of MN City of Chanhassen</p>

		<p>Bank pin data from each regular stream sampling location will be collected early this month.</p> <p>Staff have placed and been visiting three auto sampling stations this year: Site LL_3 – West Lotus Lake North Tributary. Site LL_7 - West Lotus Lake North Tributary. Site STL_17 – Purgatory Creek/Staring Lake Parkway. These stations were placed to collect more storm event nutrient and flow data to assess/confirm upstream loading for the proposed upcoming project sites.</p> <p>Staff will be visiting lake level sensors this month to download data and ensure they are working correctly.</p>	<p>MN DNR City of Minnetonka Three Rivers Park District</p>
District Hydrology & Hydraulics Model	<p>Coordinate maintenance of Hydrology and Hydraulics Model.</p> <p>Coordinate model update with LGUs if additional information is collected.</p> <p>Partner and implement with the City of Bloomington on Flood Evaluation and Water Quality Feasibility.</p>	<p>District Staff, Barr Engineering, and Eden Prairie is in the process of updating the District’s stormwater model for both Purgatory Creek and Riley Creek. Barr Engineering has been providing model assumptions and parameters to Eden Prairie engineering for review and confirmation. Task 1 of 3, Modeling and Evaluation, will continue well into 2022.</p>	<p>City of Bloomington City of Minnetonka City of Eden Prairie City of Deephaven City of Shorewood</p>
Education & Outreach	<p>Implement Education & Outreach Plan, review at year end.</p> <p>Manage partnership activities with other organizations.</p> <p>Coordinate Public Engagement with District projects.</p>	<p>Staff Bakkum continues to receive inquiries via the district website “Contact Us” form.</p> <p>Staff continue to work on populating new draft website while maintaining existing site. Final draft of new site is expected to be ready for review in August.</p> <p>Staff Mahon and Forbes met with NMCWD and City of Eden Prairie to discuss coordination of efforts.</p> <p>Staff Mahon is working with staff at NMCWD and the City of Minnetonka to build a stormwater story-map ahead of a raingarden workshop to be hosted October 11th.</p> <p>Staff Mahon spent 2 days with 104 1st graders at Eden Lake Elementary School. Students identified macroinvertebrates from samples collected from Purgatory Creek and played a game to discover how some organisms have different adaptations to help them survive in polluted waters. Staff Mahon met with the 7th/8th grade science teacher at St Huberts on June 3rd to continue developing lesson. plans and create a timeline for the new school year. This partnership has great potential to provide</p>	<p>Adopt-a-drain partners: Cities of Eden Prairie, Minnetonka, Bloomington, and Eden Prairie; Hamline University; Nine Mile Creek Watershed District; MPCA; Bolton & Menk Freshwater Society City of Chanhassen City of Minnetonka</p>

		<p>long-term data regarding BMP functionality, soil development, and ecological benefits of the prairie restoration areas.</p> <p>Staff Mahon and Dickel collaborated with the Chanhassen Environmental Commission to provide information on groundwater to visitors of the Chanhassen Business Expo. A graphic showing underground aquifer systems was provided, as well as handouts with water conservation tips. A rain barrel was also provided for the Commission to raffle off to visitors.</p>	
Groundwater Conservation	<p>Work with other LGUs to monitor, assess, and identify gaps.</p> <p>Engage with the Technical Advisory Committee to identify potential projects.</p> <p>Develop a water conservation program (look at Woodbury model).</p>	No updates.	<p>Metropolitan Council</p> <p>City of Eden Prairie</p> <p>City of Shorewood</p> <p>City of Bloomington</p> <p>City of Minnetonka</p> <p>City of Chanhassen</p>
Lake Vegetation Management	<p>Work with the University of Minnesota or Aquatic Plant Biologist, Cities of Chanhassen and Eden Prairie, lake associations, and residents as well as the Minnesota Department of Natural Resources on potential treatments.</p> <p>Implement herbicide treatment as needed.</p> <p>Secure DNR permits and contracts with herbicide applicators.</p> <p>Schedule regularly scheduled point intercept surveys.</p> <p>Work with Three Rivers Park District for Hyland Lake.</p>	<p>The University of Minnesota aquatic vegetation agreement was signed and work has already begun.</p> <p>Red Rock and Mitchell Lake Vegetation Management Plan has been finalized and will be available on our website. BARR has been working on the Lotus Lake Vegetation Management Plan with anticipated delivery the week of July 11th.</p> <p>The table below highlights the 2022 aquatic plant surveys and treatments. All Curly leaf Pondweed treatments have occurred. Both Eurasian Watermilfoil treatments will occur on Riley and Lotus will occur in June or early July. Rotational point intercept surveys (PI) for 2022 include Lotus Lake, Lake Lucy, Round, Red Rock, and Rice Marsh Lake. They will be conducted by Freshwater Scientific Services and Eden Prairie (consultant). Staff received a MNDNR traditional aquatic plant management grant for the Staring Lake Fluridone treatment. A Lake Vegetation Management Plan was submitted and accepted for Staring Lake and Lake Riley by the MNDNR this spring.</p>	<p>City of Eden Prairie</p> <p>City of Chanhassen</p> <p>University of Minnesota</p> <p>MN DNR</p>

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Opportunity Projects	Assess potential projects as they are presented to the District	Subsequent to Administrator Jeffery’s and Engineer Sobiech’s meeting with Eden Prairie Public Schools to discuss long-term planning for stormwater management it was decided to include Eden Prairie Public Works and Parks and Recreation to see if there is a more regional approach that can be taken.	City of Chanhassen St Hubert School Eden Prairie Public Schools																																																																		
Total Maximum Daily Load (TMDL)	Continue working with the Minnesota Pollution Control Agency on the Watershed Restoration and Protection Strategies (WRAPS).	No changes.	MPCA																																																																		
Repair & Maintenance Fund	Develop and formalize grant program. Maintenance of RPBCWD BMPs	The agreement with Peterson has been executed and Administrator Jeffery is coordinating schedules to allow for Peterson and Chanhassen to be on-site together for the installation.																																																																			
University of Minnesota	Review and monitor progress on University of Minnesota grant. Support Dr. John Gulliver and Dr. Ray Newman research and coordinate with local partners. Keep the manager abreast to progress in the research. Identify next management steps.	A final report was received from the University of Minnesota titled "Assessment of Internal Phosphorus Release and Treatment with Iron Filings in five RPBCWD Ponds. These results were submitted to our city partners. The district submitted the second round of data to the U of MN with regards to a new urban long-term ecological research (LTER) program in the Twin Cities. This study will investigate how urban stressors – climate change, pollutants, invasive species, habitat fragmentation – affect the ecological structure and functioning of urban nature, including pollinators, forests, watersheds, and lakes and streams. It will also address how diverse residents interact with and experience the benefits and burdens of urban nature. The aim is to better understand urban nature and	Stormwater ponds partners: Cities of Bloomington, Chanhassen, Eden Prairie, Minnetonka, Shorewood; U of MN																																																																		

		related policies and practices, to improve environmental outcomes for all residents.	
Watershed Plan	Review and identify needs for amendments.	No changes.	
Wetland Conservation Act (WCA)	Administer WCA within the Cities of Shorewood and Deephaven. Represent the District on Technical Evaluation Panel throughout the District.	No WCA applications have been received in Deephaven or Shorewood. Staff Dickhausen attended a TEP, on-site meeting on June 28 to review a wetland boundary determination application. Members of the TEP reviewed the two delineated areas included in the application delineation report. The TEP members were in agreement that the site determined by the delineation report not to be a wetland was in fact not a wetland. While reviewing the area determined to be wetland in the delineation report, the TEP members found no indicators of hydrology or hydric soils and determined the site highly disturbed. After reviewing several soil profiles, the TEP determined that the area of question is not considered a regulated wetland per Mn Statues 8420.	City of Shorewood City of Deephaven City of Chanhassen City of Eden Prairie MCWD BWSR MN DNR ACOE
Wetland Management	Assess known existing wetlands, identify previously unknown wetlands, identify wetlands for potential restoration/rehabilitation and wetlands requiring additional protection.	Staff Dickhausen has continued wetland assessments in Minnetonka/Deephaven/Shorewood area of the district. Administrator Jeffery and Staff Dickhausen continue updating the MNRAM Access database. Numerous requests for MNRAM scores have been made by municipalities and private developers. Staff Dickhausen, Administrator Jeffery, Engineer Sobiech, and Joe Bischoff of Barr Engineering met to discuss progress on Phase 1 of the assessment program and to begin scoping Phase 2. It is anticipated that a soil health action plan will be developed and this effort will be applicable to the Wetland Assessment Program.	City of Chanhassen City of Eden Prairie Hennepin County Carver County MN DNR BWSR USFWS
Hennepin County Chloride Initiative	Phase 1: Develop a plan to target commercial and association-based sources or chloride pollution – businesses, malls, HOAs, property management companies and the private applicators that they hire. We will hire a consultant to facilitate focus groups with private applicators, as well as those that execute contracts with private applicators. These focus groups will help identify needs and barriers for	A logomark and branding guide has been finalized for chloride reduction efforts. The initiative will be called “Low Salt, No Salt Minnesota.” A short video and customizable PowerPoint presentation are in development by the marketing firm. The HCCI team is developing an overall package/toolbox that will be available for city and watershed partners. Testing of the materials will occur by end of summer. Administrator Jeffery is updating the eLink grant database hosted by BWSR for reimbursement of funds.	Eleven watershed districts/WMOs Multiple cities MPCA Hennepin County Environmental Services Board of Water and Soil Resources

	our target audience. The consultant will compile information into a plan for implementation.		
Lower Minnesota Chloride Cost-Share Program	The Lower Minnesota River Watersheds are coming together to offer cost-share grants.	Chloride Reduction cost-share grant program remains open until the end of 2022. Information is posted on District website and advertised through Fortin Consulting (now Bolton & Menk) and the MPCA.	LMRWD RBWMO NMCWD
Bluff Creek Watershed	Description	Update	Partners
Bluff Creek Tributary Restoration	Implement and finalize restoration. Monitor Project.	No new updates.	City of Chanhassen
Bluff Creek Reaches B5 and B6	Develop Feasibility Study regarding potential creek and wetland restoration.	Barr Engineering has completed a draft of the feasibility study. This Will be presented to the Board of Managers at the July meeting.	
Wetland Restoration at Pioneer Tr and MN TH 101	Remove 3 properties from flood zone, restore a minimum 7 acres and as many as 16 acres of wetlands, connect public with resources, reduction of volume, rate, pollution loads to Bluff Creek.	Sunram and Davey Resource Group submitted their proposed schedule for plant establishment. The emerging invasive vegetation was treated the week of May 23 rd . Sunram will be making some modifications on the outlet structure for the wetland. Administrator Jeffery will update the eLink grant database hosted by BWSR for reimbursement of funds.	City of Chanhassen MN DNR Carver County
Riley Creek Watershed	Description	Update	Partners
Lake Riley Alum Treatment	Continue monitoring of Lake.	Staff will plan to core again in 2023 to assess the second alum dose.	
Lake Susan Improvement Phase 2	Complete final site stabilization and spring start up. Finalize and implement E & O for project. Monitor project.	Administrator Jeffery has entered into an agreement with Peterson Construction to install WaterVision. Schedules are being coordinated for installation.	City of Chanhassen Clean Water Legacy Amendment
Lake Susan Spent Lime	2022 startup and monitoring	The Lake Susan Spent Lime Treatment System was mixed via garden tiller and turned on at the end of this month. Staff will mix the material multiple times during the summer to ensure no compaction and preferential flow paths occur. Staff will monitor the unit up to once a week throughout the summer.	City of Chanhassen
Lower Riley Creek Stabilization	Coordinate agreement and acquire easements if needed for the	Maintenance of the site has been turned over to the City of Eden Prairie although District staff will assist with inspections.	City of Eden Prairie

	<p>restoration of Lower Riley Creek reach D3 and E. Implement Project. Continue Public Engagement for project and develop signage for restoration.</p>	<p>As-built survey needs to be performed and provided to the City of Eden Prairie. The contractor will be out to the site to inspect and manage vegetation and remove the temporary sediment control practices.</p>	<p>Lower MN River Watershed District</p>
Rice Marsh Lake Alum Treatment	<p>Continue monitoring of Lake.</p>	<p>Staff conducted sediment core sampling in February to assess treatment effectiveness and prepare for/direct the second dose application. The second dose will likely occur in 2023 or 2024.</p>	<p>City of Eden Prairie City of Chanhassen</p>
Rice Marsh Lake Watershed Load Project 1	<p>Install proprietary BMPs. Install soil corrections and plant areas in native vegetation for long-term study of impact on soil health and runoff parameters. Install curb-cut rain garden.</p>	<p>No new updates.</p>	<p>City of Chanhassen</p>
Upper Riley Creek	<p>Work with city to develop scope of work (in addition to stabilizing the creek can we mitigate climate change). Conduct feasibility. Develop cooperative agreement with the City of Chanhassen. Order project and begin design.</p>	<p>The Bluff Creek Reach 5 Feasibility Report is completed and will be presented at the July 13th meeting of the BOM. The EAW is being processed by the City of Chanhassen.</p>	<p>City of Chanhassen</p>
Middle Riley Creek	<p>Work with Bearpath HOA/Golf Course to develop scope of work (in addition to stabilizing the creek, can we mitigate climate change and provide for an improved recreational experience). Draft feasibility report. Develop cooperative agreement with Bearpath.</p>	<p>Sunram's subcontractor has mobilized onto the site to finish restoration of the site. District Engineer Sobiech and Administrator Jeffery met with representatives of Bearpath Golf and Country Club to discuss changes to the cooperative agreement including BPGCC assuming responsibility for the reconstruction of the cart paths and enhancing restoration in some of the buffer areas.</p>	<p>Bearpath Neighborhood Association City of Eden Prairie MN DNR</p>
St Hubert Water Quality Project	<p>Repair eroded ravine tributary to RML. Install BMPs to provide water quality and quantity benefits for site. Develop curriculum to be used with teachers and students at St. Hubert. Establish native vegetation and monitor soil development, water quality/quantity benefits, and ecological changes.</p>	<p>The project is substantially complete. Staff Mahon is developing curriculum to go along with project sites. Staff will be working closely with the middle school science teacher to ensure curriculum standards are met. Staff Mahon and Interim Administrator Jeffery will work with Science Committee to have students plant to areas in the prairie restoration that pond water to provide treatment, rate control, and infiltration.</p>	<p>CCSWCD Metropolitan Council City of Chanhassen</p>

Purgatory Creek Watershed	Description	Update	Partners
PCRA Berm		No change	City of Eden Prairie MN DNR
Duck Lake Water Quality Project	Work with the City to implement neighborhood BMP. Identify neighborhood BMP to help improve water resources to DuckLake. Implement neighborhood BMPs.	No changes	City of Eden Prairie
Lotus Lake Internal Load Control	Continue monitoring the Lake. Plan second alum application.	For the second dose of alum application, treatment areas will likely shift to 15-foot contours to account for high release rates at those shallower depths in the central and northern portions of the lake. This treatment would likely occur in 2023.	
Silver Lake Restoration	Order project. Design Project. Work with the City of Chanhassen for design, cooperative agreement, and implementation.	Quotes were solicited from three service providers. Staff is recommending that Prairie Restoration, Inc. be awarded the contract.	City of Chanhassen

Professional Development

Staff Dickhausen has registered for a course in wetland vegetation through BWSR.
 Staff Nicklay has registered for courses on Regulatory Enforcement and Permeable Pavement Inspection Testing and Maintenance.
 Administrator Jeffery is currently taking a course on public financial management and another on project management life cycle through edX.