



Mission: To protect and enhance the quality of water in the lakes within its jurisdiction....ensure wise decisions are made concerning the management and related land resources which impact these lakes.

**PELICAN RIVER WATERSHED DISTRICT
MEETING ANNOUNCEMENT
Regular MONTHLY MANAGERS' MEETING
Thursday, March 21, 2019**

5:00 PM

**WATERSHED DISTRICT OFFICE
Wells Fargo Bank, 2nd Floor Conference Room
211 Holmes Street West, Detroit Lakes, MN
(218) 846-0436 www.prwd.org**

AGENDA

5:00 PM

1. Call To Order

- 2. Approval of Agenda and Consent Agenda (Administrator's Report; Secretary's Report –February 25, 2019 Regular Meeting Minutes; Rules/Permitting Report; Ditch Inspector's Report)**

5:10 PM

3. Committees and Chair appointments

- a. Personnel, RMP/Rules, Citizen Advisory

5:15 PM

4. Old Business

- a. Rice Lake Project Progress
b. RMP & Rules Update – 3/11/19 meeting
c. AIS Readiness Response Update

6:15 PM

5. Treasurer's Report

- a. **Approve March 2019 Bills**
b. **Approve Fund transfer**
c. **Review January-February 2019 Revenue & Expenses** – to be filed and subject to audit.

6. New Business - NONE

6:25 PM

7. Public Forum (5 minutes)

6:30 PM

- 8. Attorney's Report**
9. Engineer's Report
10. Pulled Consent Agenda Items

6:40 PM

- 11. Announcements - Special meeting to review 2019 Work Plan to be held 4/11/19 at 5:00 PM.**

6:45 PM

12. Meeting Adjournment

(action items in bold face)

*A Board Member may participate via interactive television at the following location, which shall be open and accessible to the public during the meeting: Tip O'Texas, 101 East Sioux Road, Pharr, TX



THE PELICAN RIVER WATERSHED
DISTRICT OF
BECKER AND OTTERTAIL COUNTIES
MINUTES OF THE REGULAR MEETING

February 25, 2019

Managers Present: Imholte Refsland, Deede, Okeson (Skype)
Managers Absent: Haggart, Kral, Michaelson
Staff: Administrator Guetter, Alcott, Moses
Consultants: Engineer Mackowick
Advisory Committee: None **Others:** Jon Pratt, Engineer- City of Detroit Lakes

The Regular Managers' meeting was called to order by Vice-President Okeson at 5:05 PM. Manager Deede will act as secretary.

CONSENT AGENDA. The consent agenda, including the February 2019 Administrator Report (*except Campbell Creek Sediment Impairment*); Secretary's Report –January 17, 2019 Regular Managers' Meeting Minutes; February 2019 Rules/Permitting Report and February 2019 Ditch Inspector's Report (Imholte, Refsland), carried unanimously.

Administrator Report - Campbell Creek Sediment Impairment. Okeson inquired about the status of the MN DNR stream bank assessment. Guetter reported the project team is currently drafting assessment report and it was noted the primary sediment sources are related to lateral connectivity issues between Campbell Creek and its floodplain. When a stream degrades to a point where it can no longer access its floodplain, the increase in water flow energy causes the channel to widen or streambed to scour. These activities reduce channel stability and decrease effective sediment transport capacity (areas deposits or scouring). The areas of scour, deposition, and inadequate floodplain along Campbell Creek were mapped out by MN DNR and were located in the non-agricultural areas between 230th street and North Floy Lake. Potential management practices will be developed to address this issue and included in the Otter Tail WRAPS.

PROGRESS REPORTS.

Personnel Committee – Nothing to Report
Rules Committee – Nothing to Report
Citizen Advisory Committee – Nothing to Report

OLD BUSINESS.

- a. **Rice Lake Project** – Guetter reported that the Army Corp of Engineers has approved all of the necessary permits.
- b. **RMP and Rules Update-** Alcott & Guetter are reviewing the District's water quality resource goals for lakes and streams (clarity, phosphorus, TSS). The updated Rules will target the greatest activities affecting water quality such as disturbed land use, roads, and near shore development; coordinate with City of DL updated Shoreland Ordinance and Becker County Shoreland Ordinance; and incorporate infiltration standards and sequencing (flexible treatment options). Towards obtaining meaningful input and public participation, staff is scheduling three initial input meetings: (1) Public/Private Engineering Firms - Larger Impervious Surface and Linear Projects; (2) Contractors/Landscapers – Near Shore Projects; and (3) State and Local Government – Wetland Protection. These meetings will take place over the next few weeks.

TREASURER'S REPORT.

- a. **Approval of February 2019 Claims.** Manager Michaelson reviewed the monthly bills with Moses on 2/21 and Moses presented the bills to the Managers in his absence. **Motion for payment of February 2019 expense claims (Checks #14566-14573 and EFT 932-937) in the amount of \$5861.07 (Deede, Imholte), carried unanimously.**
- b. **February Fund Transfers.** Moses recommended transferring \$28,000 to cover monthly payments and expenses. **Motion to transfer \$28,000 from Bremer Bank savings account to the checking account (Imholte, Deede), carried unanimously.**
- c. **Financial Report.** The January 2019 Revenues and Expenses Report was reviewed by the managers. **Motion to approve the January 2019 R & E Report (Refsland, Deede), carried unanimously.** The report will be filed for audit.



THE PELICAN RIVER WATERSHED
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NEW BUSINESS.

- a. **Donation Request-City of Detroit Lakes-Water Festival-** This annual event will be held May 7, 2019 and involves 400+ fourth grade students from Detroit Lakes, Lake Park/Audubon, and Frazee/Vergas school Districts. The District staff presents at this event and recommends District sponsorship. **Motion to donate \$250 to the City of Detroit Lakes to sponsor Water Festival (Imholte, Refsland), carried unanimously.**
- b. **2019 Work Plan** – Discussion on the 2019 Work Plan will be held at a Special Meeting on Thursday, April 11 at 5:00 PM.
- c. **AIS Readiness Response Plan** – During the budget process last fall, the development of a “Readiness Response Plan” was included in the 2019 planned activities. The Managers stressed the need for the District to be prepared for new AIS infestations (Starry Stonewort, Eurasian Water Milfoil, Hydrilla) in District lakes. Staff will be setting up meetings in the next few weeks with MN DNR, local government, and lake associations towards developing individual lake readiness response plans: Detroit, Curfman, Long, Sallie, Melissa, Fox, Pearl, North Floyd, Big Floyd, Little Floyd. The plans will have two sections: (1) Action Framework and (2) Detailed Treatment Options (chemical/mechanical removal). Administrator Guetter recommended hiring Ryan Wersal of Minnesota State University-Mankato, to assist with the technical section of the plans. Dr. Wersal worked on the Flowering Rush research while at Mississippi State University and is familiar with our District lakes. **Motion to contract with Ryan Wersal to assist PRWD develop a AIS Readiness Response Plans in an amount up to \$4,000 (Imholte, Deede) carried unanimously.**
- d. **2019 Linear Stormwater Projects (West, Willow)** – Jon Pratt, Engineer, City of Detroit Lakes, addressed the Managers regarding the City’s 2019 linear projects (West and Willow). As outlined in the staff handout (attached hereto), high impervious surface coverage presents a “challenge “ for treating runoff from roads and development within the Holmes Street and Fairgrounds Pond drainage areas. The City would like to partner with the District to develop a Stormwater Management Plan that identifies BMPs that will maximize the potential for treatment in lieu of providing treatment for each street reconstruction project. During discussions with the City Engineer & staff, it became apparent additional information is needed to identify potential storm water treatment practices for linear projects. Staff requested Wenck Associates to prepare a “Washington Square Mall Stormwater Feasibility Proposal” (attached hereto) for consideration by the Board of Managers. Engineer Mackowick reviewed the proposal. The Board of Managers discussed the use of water quality off-site treatment practices to achieve water quality standards. **Motion approve the Wenck “Washington Square Mall Stormwater Feasibility Proposal, dated February 25, 2019 (attached hereto) in an amount up to \$6,400 (Imholte, Refsland) carried unanimously.**

To address the West and Willow street reconstruction projects, the managers agreed to use alternative stormwater treatment practices within the Holmes Street Basin drainage area. Alternative practices could include Holmes basin outlet redesign/retrofits and Washington Square Mall Parking lot infiltration facilities. The net nutrient load removal from the improvements could be applied towards future linear projects. A memorandum of understanding will need to be drafted. **Motion to approve the City of Detroit Lakes West and Willow Street reconstruction projects contingent upon a memorandum of understanding between the District and the City of Detroit Lakes to develop a stormwater management plan and implementation timeline for linear reconstruction projects within the Holmes street pond contributing watershed area to achieve compliance with the District’s water quality standards for stormwater runoff for linear development projects (Imholte, Refsland) , carried unanimously.** The managers directed Administrator Guetter to work with Vogel Law to avoid potential conflict of interest.

PUBLIC FORUM – None

ATTORNEY REPORT– None

ENGINEER REPORT – Mackowick updated the Managers on the Randolph Road project.



THE PELICAN RIVER WATERSHED
DISTRICT OF
BECKER AND OTTERTAIL COUNTIES
MINUTES OF THE REGULAR MEETING

ANNOUNCEMENTS

Guetter reported on the MAWD Legislative Day at the Capitol and MN Association of Watershed Administrators' Meeting, held February 20-21, 2019, St. Paul, MN. Guetter and Kral met with Senators Kent Eken and Paul Utke, and Representative Steve Green to review watershed key legislative issues.

ADJOURNMENT. Motion to adjourn the meeting 6:37 p.m. (Refsland, Okeson) carried unanimously.

Meeting Approved: _____

Respectfully Submitted,
Lowell Deede, Acting Secretary

Pelican River Watershed District

Claims Paid

February 2019

| | <u>Date</u> | <u>Num</u> | <u>Amount</u> |
|---|-------------|-------------|---------------------------|
| <u>Employee ACH</u> | | | |
| *Alcott, Brent | 2/27/2019 | EFT-932 | 40.00 |
| *Guetter, Tera | 2/27/2019 | EFT-933 | 481.58 |
| | | | 521.58 |
| <u>Vendor ACH</u> | | | |
| Lakes Computer, Inc. | 2/27/2019 | EFT-934 | 200.00 |
| Wells Fargo-Office Lease | 2/27/2019 | EFT-935 | 1,299.58 |
| Wenck Associates, Inc | 2/27/2019 | EFT-936 | 2,163.26 |
| Xerox Corporation | 2/27/2019 | EFT-937 | 230.69 |
| | | | 3,893.53 |
| <u>Vednor Checks</u> | | | |
| Arvig | 2/19/2019 | 14566 | 56.85 |
| Bank of America | 2/25/2019 | 14568 | 443.19 |
| Bremer Bank | 2/22/2019 | ACH | 30.00 |
| City of Detroit Lakes | 2/26/2019 | 14573 | 250.00 |
| ESRI | 2/25/2019 | 14569 | 168.00 |
| Forum Communications | 2/25/2019 | 14570 | 334.00 |
| MN Assoc of Drainage Inspectors | 2/25/2019 | 14571 | 30.00 |
| Office of Enterprise Technology | 2/25/2019 | 14572 | 93.76 |
| Verizon | 2/19/2019 | 14567 | 40.16 |
| | | | 1,445.96 |
| <u>Payroll & Liabilities</u> | | | |
| Federal Withholding | 2/4/2019 | | 313.64 |
| Employee Payroll | 2/7/2019 | EFT 923-925 | 4,433.29 |
| Supplemental Benefit | 2/8/2019 | EFT 926-928 | 2,347.71 |
| Federal Withholding | 2/11/2019 | | 2,107.60 |
| Employee Payroll | 2/21/2019 | EFT 929-931 | 4,399.30 |
| Federal Withholding | 2/28/2019 | | 1,534.00 |
| MN HCSP | 2/28/2019 | | 500.00 |
| MN Revenue | 2/28/2019 | | 610.00 |
| NACO | 2/28/2019 | | 1,922.00 |
| PERA | 2/28/2019 | | 2,062.96 |
| | | | 20,230.50 |
| Total February Expenses | | | <u>\$26,091.57</u> |



February 2019

Stormwater Management Discussion- What options for St. Clair TMDL area and Pelican River – Impaired for bacteria.

A. West Avenue (between Willow to Grant (Drainage Areas 1 and 2) (2019 construction); Willow: (Washington to Roosevelt; Roosevelt to Jackson; Drainage areas 3 & 4).

1. Drainage Area 1: West Avenue (Willow to Holmes- Red line)

- Current Condition: No known stormwater treatment; Curb and Gutter outlets to Ditch 14 wetland with no prior treatment. There are sidewalks/boulevards.
- Issues:
 - Infiltration option is limited due to lack of R-R-W; high water table; unknown soil suitability;
 - Wet basin an option – look at piping to Fairgrounds wet basin; enlarge basin; iron enhancement?
 - Install vortex (may not meet WQ Rules); curb cuts/ trees if soils are suitable.

2. Drainage Area 2: West Avenue (From Campbell/West intersection to Grant Street/Dead End cul-de-sac; intersection enhancements/may abandon some intersections- Orange line)

- Current Condition: Curb and Gutter outlets to Holmes Street ponds/Ditch 14. There are sidewalks/boulevards on West side
- Issues:
 - Infiltration option is limited due to lack of R-R-W; high water table; unknown soil suitability;
 - Wet basin - Holmes Street undersized; elevations limit piping to Fairgrounds wet basin; lift station may be required.
 - Install vortex (may not meet WQ Rules); curb cuts/ trees if soils are suitable.
 - Investigate outlet structure redesign Holmes Pond (no land area to increase capacity) - Iron enhancement bench?
 - Explore off site mitigation – City Mall Parking lot infiltration
 - Explore enhanced street sweeping program: Street Sweeper/implementation

3. Drainage Area 3: Willow (Washington to Roosevelt – Green line)

- Current Condition: Curb and Gutter; Treatment train from City Pond (near Sanford campus) to Fairgrounds pond
- Issues:
 - Review drainage area for Fairgrounds Permit (2005-6 timeframe)
 - Investigate increasing Fairgrounds pond and Pond near Sanford Campus
 - Some sidewalk/boulevard area present

4. Drainage Area 4: Willow (Roosevelt to Jackson – Blue line) (Pelican River TMDL area)

- Current Condition: Curb and Gutter; Drainage to City Pond (behind Long Avenue storage; along Pelican River)
- Issues:
 - Long Avenue Pond capacity – most likely undersized; poor pond outlet design – Investigate outlet improvements to increase nutrient removal.
 - Blown out catch basin; change location of basin; currently in the river bed.
 - Limited land area; no sidewalks/boulevard areas
 - Iron enhanced filter bench? Pond sizing; land nearby; north side of apartment building.

B. Review School Expansion areas with City and School District Officials.

- Current Condition: High School – Explore use of biofiltration & water reuse systems; Issues with high water table;



Responsive partner.
Exceptional outcomes.

February 25, 2019

Ms. Tera Guetter

Administrator
Pelican River Watershed District
211 Holmes St W, Detroit Lakes, MN 56501

RE: Washington Square Mall Stormwater Feasibility Proposal

Dear Ms. Guetter:

We appreciate the opportunity to present this proposal to the Pelican River Watershed District (PRWD). Our proposal includes a scope of work and budget to evaluate the feasibility of implementing up to three stormwater BMPs within the City-owned parking lot adjacent to the Washington Square Mall. We will focus on maximizing TSS and TP reduction of the selected BMPs.

Wenck understands that the City plans to reconstruct select streets within the Holmes Street Pond drainage area. However, the Holmes Street Pond has reached its design capacity, so additional BMPs will need to accompany street reconstruction in order to comply with PRWD rules. Such BMPs can be difficult to implement within linear projects, so the PRWD is interested in investigating whether a BMP can be constructed within the Washington Square Mall parking lot in exchange for BMPs within the street reconstruction projects.

Scope of Work

Our scope of work is divided into five phases and one optional phase:

Phase 01 – Existing Data Review

Wenck will review the following information upon receiving a notice to proceed with the study:

- Relevant engineering plans for projects near the parking lot that may include storm sewer and other utilities;
- City-provided CAD files;
- Soil borings; and
- Holmes Street Pond history, design and pollutant loading.

Phase 02 – Data Collection

Wenck assumes some data gaps will need to be filled in order to complete the scope of work outlined herein. At a minimum, Wenck assumes existing storm sewer pipes will be surveyed to collect structure rim and invert elevations and pipe types and diameters. Concurrent with the storm sewer survey, Wenck will meet with adjacent building owners to understand roof drainage routes.

Phase 03 – Pollutant Loading Analysis & Preliminary Design

Wenck will create existing and proposed water quality models to evaluate the feasibility and performance of up to three BMPs within the parking lot. Wenck will construct the water quality model based on provided existing information, data collected in Phase 02, and other available information, such as City-provided GIS data or publicly available LiDAR data.

Specific tasks include:

- Develop existing condition hydrology by delineating subwatershed boundaries, identifying land use classifications (i.e. pervious area versus impervious areas), calculating times of concentration and other required parameters, and setting up model precipitation. Groundwater elevations, depth to groundwater, and soil boring logs will also be reviewed, if available.
- Create an existing condition map that clearly identifies subwatershed boundaries, existing storm sewer networks and flow directions, stormwater pond location, and pollutant loads.
- Use the MIDS Calculator or P8 to evaluate existing and proposed total suspended solids (TSS) and total phosphorus (TP) loading rates.
- Wenck will create up to three proposed conditions models by updating the existing condition model that was constructed as part of Phase 03. Wenck will identify future stormwater best management practice (BMP) location and type.
- Prepare up to three conceptual plans – one for each of the BMPs evaluated in the water quality model. The conceptual level plans will include cross-sections and details that can be incorporated into future civil-design plans as each block is individually developed.
- Determine preliminary cost estimates for up to three stormwater BMPs.

Wenck will consider a variety of BMPs for the parking lot, but the most likely candidates include filtration basins, pervious pavement, tree trenches, underground storage, biofiltration basins, iron-enhanced filters, and proprietary treatment devices. Specific BMP selection will be a function of soils on the specific project site, depth to bedrock, land use, impervious area, and other site-specific parameters.

Phase 04 – Technical Memorandum

Wenck will summarize the feasibility study in a brief technical memorandum of five pages or less. The primary purpose of the memorandum will be to document Wenck's methods, results, and recommendations as evaluated in Phases 01-03 above.

Schedule

Wenck understands that time is of the essence for the City to proceed with street reconstruction planning. Therefore, we are ready to begin work as soon as a notice to proceed is given by the PRWD. If authorized by March 1, 2019, Wenck will complete the draft feasibility study by March 31, 2019, present the draft study at the April Board of Managers' meeting, and then finalize the study based on Managers' comments by April 30, 2019.

Budget

Our cost estimate for this scope of work is summarized below. Expenses and technology fees are included.

Ms. Tera Guetter
Administrator
February 22, 2019



| Phase | Description | Estimated Cost |
|--------------|---|----------------|
| 01 | Existing Data Review | \$900 |
| 02 | Data Collection | \$1,000 |
| 03 | Pollutant Loading Analysis & Preliminary Design | \$2,900 |
| 04 | Technical Memorandum | \$1,600 |
| TOTAL | | \$6,400 |

Wenck will perform the project on a time and materials basis and will invoice the PRWD monthly according to our master contract terms and conditions. Charges will be incurred in accordance with Wenck's current year Fee Schedule. The estimated project cost provides an estimated cost for the services outlined in this Scope of Work and subject to the limitations on that Scope identified in this proposal. We will not exceed the authorized budget without obtaining approval from the PRWD.

On behalf of the 300+ employee-owners of Wenck, thank you for this opportunity to continuing to work with the PRWD. Should you have any questions, or need clarification of anything presented in the attached proposal, please do not hesitate to contact us.

Sincerely,

Wenck Associates, Inc.

A handwritten signature in blue ink, appearing to read 'Marlon Mackowick'.

Marlon Mackowick, PE (MN)
District Engineer

A handwritten signature in blue ink, appearing to read 'Todd Shoemaker'.

Todd Shoemaker, PE (MN, IA), CFM
Water Resources Engineer

Pelican River Watershed District

Type or Print Name

Signature

Title

**Pelican River Watershed District
Administrator Monthly Report
March 15, 2019
www.prwd.org**

MAIN DISTRICT WATER QUALITY INITIATIVES

Targeted Watershed Nutrient Reduction Grant/Rice Lake Project. Guetter met with Houston Engineering on March 6th to review the project status. She met with Kevin Olson, Detroit Township on March 11th and attended the March 14th Detroit Township meeting. HEI will give a presentation at the March Meeting.

Revised Management Plan –Noting further to report – working on Rules Update see below.

Dunton Park - Dry Dock Outlet Modification – Nothing further to report.

WATER MANAGEMENT RULES

Revised Water Management Plan/Rules Update – District staff and Managers, Imholte and Michealson, met with a group of engineers and landscape architects to discuss proposed updates to the Stormwater Management section of the Rules on Monday, March 11th. The proposed updates were well received with good input to the District staff from the group. Another meeting has been scheduled for Tuesday, 3/26, to meet with landscapers/contractors that frequently work in the District.

Holmes Street Basin Area Stormwater treatment Feasibility Study – Alcott has been assisting Wenck with GIS analysis of impervious surfaces within the Holmes stormwater basin sub watershed.

Becker County On-Line Permit Program Update – Guetter met with Becker County IT on February 25th to discuss coordination with the Becker County online permitting program which will notify District staff when a project has been applied for with Becker County Zoning. The system will not be able to host online permitting for the District. A meeting has been scheduled for Monday, March 18, to demonstrate to District staff the permitting software.

MONITORING

Otter Tail WRAPS. E-coli in Pelican River finding. The City of Detroit Lakes reported a potential sanitary sewer leak in this area which will be investigated in the near future. If it is determined the sanitary leak is the source of the bacteria and it has been remediated, this stream stretch may not be placed on the impaired waters list. Additional source monitoring will be included in 2019 monitoring plan.

2019 Monitoring -Alcott will present the plan at the April 11th Special Meeting.

Summer Internships – Alcott & Moses have interviewed three promising candidates. Applications will officially close on Friday, March 15.

EDUCATION

Hodge Podge- Guetter was the March guest and discussed water protection and prioritization and related it to the District's Rules and other regulations (City of DL and Becker County) . She also discussed the upcoming AIS Readiness Response planning meetings.

DLHS 9th Grade Interviews – Vern Schnathorst of DLHS recruits area business people to come into the high school to do mock interviews with freshman students, as well as review their job applications and reference letters. The exercise is to ease their nerves and help identify areas of strength as well as areas where they could improve. Moses assisted three students through the process on March 5.

Upcoming Events:

City of Detroit Lakes Water Festival-May 7th, DL CCC

Sucker Creek Preserve – Student Forum- April 25; Practice Day- April 30th; Classroom April 29th; Field trip – May 1st.

AQUATIC INVASIVE SPECIES MANAGEMENT

AIS Readiness Response Plan – Three meetings are scheduled on Thursday, March 21, to discuss AIS Readiness Response procedures. Ryan Wersal and Mark Ranweiler, MN DNR AIS Specialist, will either Skype or phone in to give us their input. Others who have been invited to attend are lake association members, Becker COLA and City of Detroit Lakes staff. The goal is for the District to develop protocols for treating Starry Stonewort, Eurasian Watermilfoil, and hydrilla. We are using several templates and combining the “best of the best” into the District’s document. Each lake will have a tailored plan.

MN DNR AIS Advisory Committee –Guetter attended the February 28th meeting. One of the points of interest covered was that a main source of invasive phragmites is from seed mixes used by municipal sewage treatment plants. Nick Phelps reviewed the decision-making tool to help AIS managers, counties, and other agencies prioritize their resources for optimal prevention and intervention of AIS, specifically zebra mussels and starry stonewort. Counties using the tool are Crow Wing, Ramsey, and Stearns.

www.maisrc.umn.edu/sites/maisrc.umn.edu/files/assigning_watercraft_inspection_stations_to_minnesota_lakes.pdf

MN DNR updates included review of Governor’s Budget and partially restoring AIS treatment grants (\$350,000). There was a carp management presentation by Carp Solutions, a spin-off of the U of MN.

The next committee meeting is March 28th. Please see MN DNR Website for meeting agendas and minutes at www.dnr.state.mn.us/aisadvisory/

GENERAL ADMINISTRATION

Minnesota Association of Watershed Districts. Legislative Updates have been forwarded on to the managers.

PRWD Annual Report – Moses has completed an outline with background information. Alcott has begun to include section regarding shoreline surveys, lake vegetation survey, and stream nutrient loads. He will finish by adding section on weather patterns and lake water quality trends.

MPCA Water Protection Workshop. Guetter & Moses attended the Workshop in Grand Rapids on March 7th. The workshop walked us through an exercise using various parameters of surrounding lakes that need to be considered when prioritizing which lake would be the focus of our next project for “protection”. It also gave ideas on how to market “protection” projects to stakeholders. A case study for Serpent Lake stormwater measures was shared, one of which included an alum treatment on a nearby lake. The workshop was very well organized with great messaging.

Manager Reappointments–Guetter will be sending a letter to the new Becker County Administrator, Mike Brethorst, advising that three Managers will be up for reappointment in May 2019; Kral, Haggart and Michaelson.

Special Meeting - A special manager meeting will be held on Thursday, April 11 at 5:00 PM to review the 2019 Work Plan and 2019 Monitoring Plan.

DRAINAGE SYSTEM REPORT

March 15, 2019

2019 Red River Drainage Conference and BWSR 1W/1P program and Buffer law implementation meeting – March 19-20, Moorhead. Guetter will be attending.

Minnesota Association of Drainage Inspectors Annual Meeting – Willmar, MN on March 25, 2019. Guetter will be attending.

Ditch 11/12

Work Order – Issued on January 8 to Roger Lundberg to use explosives to remove a beaver dam located ½ mile upstream from 230th Street. This work will be conducted in 2019 as soon as weather permits.

Ditch 13

Nothing to report

Ditch 14

Nothing to report

RULES OF ENFORCEMENT

March

Permits Issued

| <u>No.</u> | <u>Name</u> | <u>Address/Area</u> | <u>Approved Project</u> |
|------------|-------------|---------------------|-------------------------|
|------------|-------------|---------------------|-------------------------|

No permits issued

Permit Applications submitted

City of Detroit Lakes— Application received 1/7/19 for Randolph Road reconstruction. First Wenck review complete. Apex working on revisions needed.

Jamie Braseth-608 Shorewood Dr.-Reconstruct existing boathouse in Shore Impact Zone. Waiting for snow melt to assess site conditions.

Permit Applications expected

RCH Custom Homes-2343 Hwy 10 W—Impervious surface greater than 25%. Reconstruct existing parking lot. Application incomplete.

Detroit Mountain Recreational Area—Apex working on stormwater management plan for entire complex. They anticipate a spring application submission.

Violations Under Remediation

None Pending

Progress Report

Golden Bay Shores—Retaining wall has been constructed as designed and meets City requirements. Reseeded stormwater ponds is complete. Buffer signs have been installed. District staff will monitor erosion control during final building construction.