



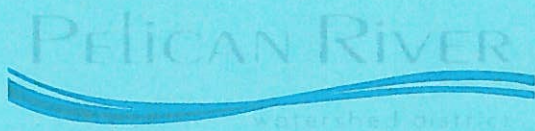
*Mission: To protect and enhance the quality of water in the lakes within its jurisdiction....ensure wise decisions are made concerning the management and related land resources which impact these lakes.*

**PELICAN RIVER WATERSHED DISTRICT  
MEETING ANNOUNCEMENT  
Regular MONTHLY MANAGERS' MEETING  
Tuesday, June 18, 2019  
5:00 PM  
WATERSHED DISTRICT OFFICE  
Wells Fargo Bank, 2<sup>nd</sup> Floor Conference Room  
211 Holmes Street West, Detroit Lakes, MN  
(218) 846-0436 [www.prwd.org](http://www.prwd.org)**

**AGENDA**

- |                |   |
|----------------|---|
| <b>5:00 PM</b> | <b>1. Call To Order</b>   |
|                | <b>2. Oath of Office – Dennis Kral, Rick Michaelson, Janice Haggart</b>   |
|                | <b>3. Approval of Agenda and Consent Agenda (Administrator's Report; Secretary's Report –May 16, 2019 Regular Meeting Minutes, Rules/Permitting Report; Ditch Inspector's Report)</b>   |
| <b>5:10 PM</b> | <b>4. Committees and Chair appointments</b><br>a. Personnel, RMP/Rules, Citizen Advisory  |
| <b>5:15 PM</b> | <b>5. New Business</b><br>a. <b>Audit Proposal and Engagement Letter-Justin Clasen &amp; Co. Ltd.</b><br>b. <b>Set Summer Tour Date</b><br>c. <b>Becker COLA Lake Koronis Tour Sponsorship request</b><br>d. <b>City of Detroit Lakes and PRWD MOU for Permitting</b> |
| <b>5:30 PM</b> | <b>6. Treasurer's Report</b><br>a. <b>Approve June 2019 Bills</b><br>b. <b>Approve Fund transfer</b><br>c. <b>Review January-May 2019 Revenue &amp; Expenses – to be filed and subject to audit.</b>  |
| <b>5:45 PM</b> | <b>7. Old Business</b><br>a. Rice Lake Progress Update<br>b. Rules – Stormwater Management Section<br>c. Readiness Response Plan Update   |
| <b>6:30 PM</b> | <b>8. Public Forum (5 minutes)</b>  |
| <b>6:35 PM</b> | <b>9. Attorney's Report</b><br><b>10. Engineer's Report</b><br><b>11. Pulled Consent Agenda Items</b>   |
| <b>6:45 PM</b> | <b>12. Announcements – MAWD Summer Tour scheduled for June 26-28.</b>   |
| <b>6:50 PM</b> | <b>13. Meeting Adjournment</b><br><b>(action items in bold face)</b>  |





THE PELICAN RIVER WATERSHED  
DISTRICT OF  
BECKER AND OTTERTAIL  
COUNTIES

MINUTES OF THE REGULAR MEETING

May 16, 2019

**Managers Present:** Kral, Okeson, Haggart, Michaelson, Deede, Refsland, Imholte (5:10)

**Managers Absent:** None

**Staff:** Administrator Guetter, Alcott

**Consultants:** Engineer Mackowick, Attorney Skoyles

**Advisory Committee:** None    **Others:** Paul Orth, Long Lake

The Regular Managers' meeting was called to order by President Kral at 5:00 PM.

**CONSENT AGENDA.** The consent agenda, including the May 2019 Administrator Report, Secretary's Report – April 18, 2019 Regular Minutes; May 2019 Rules/Permitting Report and May 2019 Ditch Inspector's Report (Michaelson, Refsland), carried unanimously.

**COMMITTEE REPORTS.**

**Personnel Committee** – None

**RMP/Rules Committee** – None

**Citizen Advisory Committee** – Manager Haggart volunteered at Tamarac Wildlife Refuge with Environmental Education Program. Manager Imholte reported Lake Detroiters 75<sup>th</sup> celebration will be held on June 22 and Dick Hecock is writing up the history of the lake association.

**NEW BUSINESS.**

- a. **2018 Financial Audit-** Chris Clasen of Justin Clasen Co. Ltd presented the 2018 Financial Audit to the Board of Managers. He reported the District financials were compliant and no deficiencies were found. Mr. Clasen informed the Managers their firm will send the required audit report to the State of MN. **Motion to accept the Pelican River Watershed District 2018 Financial Audit, (Okeson, Haggart) carried unanimously.** This is the final year of the three-year auditing services contract with Justin Clausen auditing firm. The managers requested Mr. Clausen to provide a quote for future auditing services.
- b. **2018 Annual Report-** Staff continues to update the report.
- c. **Manager Resignation-** Manager Refsland reported he will be resigning from the Board of Managers effective June 30, 2019 as he and his wife will be moving to LaCrosse, WI. Administrator Guetter will inform Becker County Commissioners of the upcoming vacancy.

**TREASURER'S REPORT.**

- a. **Approval of May 2019 Claims.** Treasurer Michaelson presented the claims to the Managers. **Motion to approve the May 2019 expense claims (Checks #14590-14598 and EFT 990-998) in the amount of \$32,240.36 (Michaelson, Imholte), carried unanimously.**
- b. **May Fund Transfers.** Treasurer Michaelson recommended transferring \$61,000 to cover monthly payments and expenses. **Motion to transfer \$61,000 from Bremer Bank savings account to the checking account (Michaelson, Haggart), carried unanimously.**
- c. **Financial Report.** The January-April 2019 Revenues and Expenses Report was reviewed by the managers. **Motion to approve the January-April 2019 R & E Report (Michaelson, Refsland), carried unanimously.** The report will be filed for audit.

**OLD BUSINESS.**

- a. **Rice Lake Project** – A Memorandum of Understanding between Detroit Township and the Pelican River Watershed District was prepared by Administrator Guetter and Vogel Law. It was clarified under "Watershed District Responsibilities" the District would not be responsible for expenses incurred by the township for legal challenges. **Motion to approve the "Memorandum of Understanding between the Pelican River Watershed District and Detroit Township" (Kral, Okeson) carried unanimously, attached hereto.** Detroit Township has scheduled June 11 for the Public Hearing and Order to Vacate a portion of Anchor Road.





THE PELICAN RIVER WATERSHED  
DISTRICT OF  
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**MINUTES OF THE REGULAR MEETING**

- b. **City of Detroit Lakes Downtown/Washington Mall Drainage Area to Ditch 14 Nutrient Reduction Study by Wenck Associates.** A meeting was held with the City of Detroit Lakes to report the findings of the report and to discuss the nutrient reduction options. The next step is to prepare a comprehensive sub-watershed plan and agreement with the City of Detroit Lakes.
- c. **AIS Readiness Response Plan Update.** Staff will prepare individual lake response plans for new Aquatic Invasive Species (Eurasian Water Milfoil, Starry Stonewort, Hydrilla) which outlines tasks, responsible party, locations for equipment mobilization for necessary treatments (some lakes do not have a public water access or may need to redirect watercraft to an alternative access area if treatments need to be conducted at the affected access). The AIS treatment protocols and monitoring from Dr. Ryan Wersel provide detailed information to assist the District, MN DNR, treatment contractors and local residents for implementing effective treatments.

**PUBLIC FORUM** – Nothing to report

**ATTORNEY REPORT**– Nothing to report

**ENGINEER REPORT** – Mackowick reported on the following project plans under review:

- 1) Friesen's
- 2) Essentia Health– Lincoln Park
- 3) DL Schools – High School- stormwater plans coming later - bidding in the fall; Roosevelt School- reviewing stormwater plans; Rossman- stormwater plans will be finalized pending additional land acquisition.
- 4) Detroit Mountain-Filtration, ponds
- 5) North Shore Plaza – Credit Union going in and Bike Shop will be out.
- 6) Meeting with City of Detroit Lakes and Apex regarding Washington Square Mall parking lot. Reviewed next subwatersheds to evaluate.

**ANNOUNCEMENTS**

**June Regular Managers' Meeting Date.** The meeting is on TUESDAY, June 18, 2019.

**August Regular Managers' Meeting Date Change** - Due to other meeting conflicts, the August 15th meeting was moved to the following week on Thursday, August 22.

**MAWD Summer Tour** –Red River Valley Area June 26-28<sup>th</sup> . Managers should let the office know if they are attending in the near future. Staff will register and reserve hotel rooms for attendees.

**ADJOURNMENT.** Motion to adjourn the meeting 7:04 p.m. (Kral, Refsland) carried unanimously.

Meeting Approved: \_\_\_\_\_

Respectfully Submitted,  
Janice Haggart, Secretary



**Pelican River Watershed District**  
**Claimd Paid - May 2019**

	<u>Date</u>	<u>Num</u>	<u>Amount</u>
<b><u>Employee ACH</u></b>			
*Alcott, Brent	05/20/2019	EFT-990	67.64
*Guetter,Tera	05/20/2019	EFT-991	224.44
*Moses, Brenda	05/20/2019	EFT-992	88.28
			<b>380.36</b>
<b><u>Vendor ACH</u></b>			
Lakes Computer, Inc.	05/20/2019	EFT-993	200.00
MPCA	05/20/2019	EFT-994	16,500.00
RMB Environmental Labs, Inc.	05/20/2019	EFT-995	325.50
Wells Fargo-Office Lease	05/20/2019	EFT-996	1,299.58
Wenck Associates, Inc	05/20/2019	EFT-997	7,463.10
Xerox Corporation	05/20/2019	EFT-998	254.71
			<b>26,042.89</b>
<b><u>Vendor Checks</u></b>			
Arvig	05/20/2019	14590	56.85
Bank of America	05/20/2019	14591	408.71
Central Market	05/20/2019	14592	25.45
Holiday Companies/washes	05/20/2019	14593	6.50
Holiday/gas	05/20/2019	14594	49.14
Justin Clasen & Company Ltd	05/20/2019	14595	5,046.00
Office of Enterprise Technology	05/20/2019	14596	96.80
Precision Printing	05/20/2019	14597	87.50
Verizon	05/20/2019	14598	40.16
			<b>5,817.11</b>
<b><u>Payroll &amp; Liabilities</u></b>			
Employee Payroll	5/2/2019	EFT 981-983	4438.16
Supplemental Benefits	5/6/2019	EFT 984-986	2324.71
Federal Withholding	5/7/2019		2092.14
Employee Payroll	5/16/2019	EFT 987-989	4438.19
Federal Withholding	5/17/2019		1548.50
Employee Payroll	5/30/2019	EFT 999-1004	5782.84
Federal Withholding	5/31/2019		1881.20
MN HCSP	5/31/2019		750.00
MN Revenue	5/31/2019		1053.00
NACO	5/31/2019		2883.00
PERA	5/31/2019		3117.87
			<b>\$30,309.61</b>
<b>Total May Expenses:</b>			<b>\$62,549.97</b>



**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
PELICAN RIVER WATERSHED DISTRICT  
AND  
DETROIT TOWNSHIP**

This Memorandum of Understanding ("Agreement") is made and entered into this 13 day of May, 2019 ("Effective Date"), between Detroit Township, Becker County, Minnesota ("Township"), by and through its respective Township Board of Supervisors, and the Pelican River Watershed District ("Watershed District"), by and through its respective Board of Managers, (collectively referred to as the "Parties").

**WHEREAS**, the Township is a political subdivision of the State of Minnesota, with authority over town roads, pursuant to Minnesota Statutes Chapter 164 and as otherwise provided by law; and

**WHEREAS**, the Watershed District is a political subdivisions of the State of Minnesota, with statutory authority to carry out conservation of the natural resources of the state by land use controls, flood control, and other conservation projects for the protection of the public health and welfare and the provident use of the natural resources, pursuant to Minnesota Statutes Chapter 103D and as otherwise provided by law; and

**WHEREAS**, the Parties to this Agreement have a common interest in vacating the west end of Anchor Road, between Becker County State Aid Highway 21 (Richwood Road) and to the east approximately one-mile ("Anchor Road Segment"); and

**WHEREAS**, the Parties have each determined that it is mutually beneficial to memorialize this Agreement concerning costs and responsibilities related to the vacation of the Anchor Road Segment ("Road Vacation"); and

**WHEREAS**, both Parties have had the opportunity to discuss their individual roles, and finding them agreeable, have entered into this Agreement.

**NOW, THEREFORE**, the Parties hereto agree as follows:

1. **Purpose:** This Agreement establishes the working relationship between and among the Township and Watershed District with regard to the Road Vacation and provides a framework for cooperation.
2. **Township Responsibilities:** The Township agrees to permanently vacate the Anchor Road Segment and agrees to abide by all federal, state, and local laws; statutes, ordinances, rules and regulations now in effect or hereafter adopted pertaining to the Road Vacation. The Township will cooperate with the Watershed District and use best faith efforts to expediently facilitate the Road Vacation within 60 days from the Effective Date of this Agreement.
3. **Watershed District Responsibilities:** The Watershed District agrees to cooperate with the Township and provide support for the Road Vacation, including, but not limited to assisting with public notice and hearing requirements. The Watershed District shall be responsible for the costs associated with the initial Road Vacation proceedings, up to the issuance of the final order by the Township. The Watershed District shall be responsible for the costs associated with the design, engineering and construction of an



alternative access point for affected properties along the Anchor Road Segment, including the costs associated with the procurement of the necessary easements and surveys, and for public improvements related to or caused by the Road Vacation, including development of a turn-around area or cul-de-sac, removal of the culverts currently installed under the Anchor Road Segment, and the required digging along Becker County Highway 21.

4. **Payment:** As payment for future public improvements, the Watershed District shall provide a one-time payment in the amount of \$100,000.00 to the Township, to be used solely for future improvements to Anchor Road, upon completion of the Road Vacation and execution of the necessary legal agreements to ensure alternative driveway access.
5. **Maintenance:** After construction of the alternative driveway access and the public improvements described in Section 3 is complete, the Township shall be responsible for all future improvements and maintenance of the remaining portion of Anchor Road. The Watershed District shall not be responsible for any additional or future improvements or maintenance associated with the Road Vacation after completion of the alternative access point and public improvements described in Section 3.
6. **Indemnification:** The Township agrees to defend, indemnify, and hold the Watershed District, its officers, employees, and agents, harmless from and against all claims, actions, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from the Township's performance or failure to perform, the duties required under this Agreement, including, but not limited to, the administration of the Road Vacation proceedings, provided that any such claim, action, damage, loss or expense is caused in whole or in part by an alleged error, negligent act, omission, or misconduct of the Township. The Township, as the entity responsible for the administration of the Road Vacation proceedings, shall be solely responsible for responding to all appeals, suits, or other actions brought or arising out of its administration of the Road Vacation proceedings and shall be solely responsible for the cost of the same. The Watershed District agrees to defend, indemnify, and hold harmless the Township, and its officials, employees, and agents from and against all claims, actions, damages, losses and expenses, including attorneys' fees, arising out of or resulting from the Watershed District's performance of the duties required under this Agreement, provided that any such claim, action, damage, loss, or expense is caused in whole or in part by an alleged error, negligent act, omission, or misconduct of the Watershed District. Nothing in this Agreement shall be construed as a waiver by either party of any defenses, immunities, or limitations on liability to which either may be entitled under Minnesota Statutes, Chapter 466, common law, or otherwise. To the extent the activities provided for in this Agreement are viewed by a court of competent jurisdiction as being a joint venture or joint enterprise, the Township and the Watershed District shall be considered a single government unit for purposes of determining total liability as provided in Minnesota Statutes, section 471.59, subdivision 1a.
7. **Authorized Representatives:** The following persons will be the primary contacts for all matters concerning this Agreement:

Detroit Township

Pelican River Watershed District



Barbara Schmidt

Clerk

Telephone: 218-846-9333

Email: Detroittownship@hotmail.com

Tera Guetter

Administrator

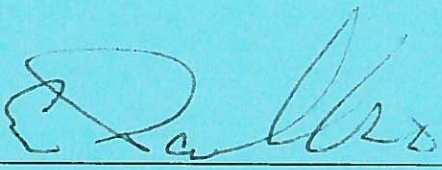
Telephone: 218-846-0436

Email: tera.guetter@arvig.net

**IN TESTIMONY WHEREOF** the Parties have duly executed this agreement by their duly authorized officers.

Detroit Township

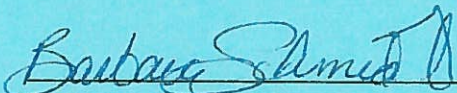
BY:

 5-13-2019

Eugene Pavelko, Chair

Date

BY:

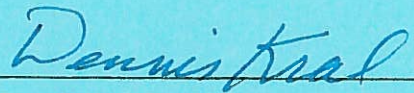
 5-13-2019

Barbara Schmidt, Clerk

Date

Pelican River Watershed District

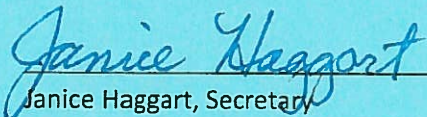
BY:

 4-25-19

Dennis Kral, President

Date

BY:

 4/25/19

Janice Haggart, Secretary

Date



**Pelican River Watershed District  
Administrator Monthly Report  
June 12, 2019  
[www.prwd.org](http://www.prwd.org)**

## **MAIN DISTRICT WATER QUALITY INITIATIVES**

### **Targeted Watershed Nutrient Reduction Grant/Rice Lake Project.**

**Anchor Road Vacation.** Braun Intertec will be taking a soil boring on the upper structure location area on the City of DL property when conditions are suitable to get to the site. Ted Rud & Guetter met with Casey Bristlin to review the construction area and to discuss easement area. Detroit Township vacated a portion of Anchor Road on June 11th. Guetter attended the public hearing and meeting.

## **WATER MANAGEMENT RULES**

**Holmes Street Basin Area Stormwater Treatment Area.** Mackowick and Guetter are working on drafting a Deferment Agreement for this area based upon the Feasibility Study.

**Becker County On-Line Permit Program.** The Online permitting program is complete and operational for Becker County Zoning Land Disturbance permits. If an applicant applies on-line for a Becker County Land Disturbance permit that is located within the District, a notification to contact the District will pop up and an email with the applicant's contact information is sent to the district for follow-up. Permits issued by the District will be directly uploaded to the County and placed in the parcel file.

## **MONITORING**

Summer interns Raina and Warren (both NDSU students) started working on May 20<sup>th</sup>. Staff have been training them to collect stream and lake samples, take flow measurements, and update monitoring databases.

A third intern, Connor Haugrud (Concordia College), began work on June 11<sup>th</sup> and will be with us for approximately six weeks. Connor will be focusing on a special project to assess zooplankton populations on the Floyd Lake chain (Zebra Mussel infested waters) and Long Lake (uninfested). He will also assist with the MN DNR research project that is studying the potential impacts of Zebra mussels on the walleye population in Lake Melissa.

**Weather Influences.** The average high temperature in May was 60 degrees F, 15-degrees cooler than in May 2018 (75 degrees F average high), however in late May, the ended on a warmer note with air temperatures spiking up to 89 degrees on May 30<sup>th</sup>. There were 13 days of rainfall in May, totaling 3.04" - with May 19th recording 1.07" rainfall.

### **Stream Monitoring.**

**Campbell Creek between Campbell Lake and North Floyd Lake.** During the spring thaw, high water levels (1410 NAVD 88) carried the "first flush" of sediment and phosphorus through Campbell Creek with water levels almost 1 foot above the monitoring gages. The April 8<sup>th</sup> sampling results at CC2 monitoring station (230<sup>th</sup> Street) were 328 ppb phosphorus and 18 ppb sediment. One-mile downstream at the CC1 monitoring station (Becker CSAH 149) results were 478 ppb phosphorus and 205 ppb sediment. The large increase in sediment between the two monitoring stations is from stream bank erosion.

By early May, Campbell Creek water levels dropped approximately 2 ft (1408.9 NAVD 88). On May 2, HOBO water level loggers were deployed at CC2 (230<sup>th</sup> St) and CC1 (CR149). After the May 19th 1-inch rainfall event, quality results from the May 21<sup>st</sup> sampling at the CC2 station were 42 ppb phosphorus and 4ppb sediment and at the downstream CC1 station, 64 ppb phosphorus and 37 ppb sediment – much lower than the April results.

Throughout May and into June, water levels have remained fairly constant at CC2 and CC1 fluctuating between 3/10<sup>th</sup> – 6/10ths after rainfall events. The interns completed one high water stream flow rating at the CC2 and CC2 sites and set the stream gage elevations on May 31<sup>st</sup>.

**Pelican River/Ditch 13 between Little Floyd to Detroit Lake –** The monitoring sites within this drainage area are PR1 (Little Floyd Lake Outlet), PR 2 (Pelican River/Anchor Rd), PR2A (Ditch 13/Rice Wetland), PR3 (Pelican/HWY34), PR4 (Pelican River/Boys & Girls Thrift), and PR5 (Pelican/ North Shore Drive). The HOBO's (continuous water level loggers) were deployed at PR3 on May 2<sup>nd</sup> and at PR2a and PR4a on May 30<sup>th</sup>. The water levels have dropped 6-8 inches since



early May. With the cool May temperatures, phosphorus concentrations coming out of Rice Lake wetland (between Anchor Rd and PR2a) remain low, ranging between 19 – 38 ppb. The interns completed one high water stream rating at the PR2a, PR3, and PR4a stations and set the stream gage elevations on May 31<sup>st</sup>.

**Chloride Sampling.** During spring melt, the District also began sampling for chlorides (salt) from the Pelican River to Detroit Lake. Samples were collected on May 2 and 21<sup>st</sup>, with concentration results of 18.3 ppb and 5.9 ppb respectively. Both results were well below impairment levels and no further tests will be collected this year. Chloride sampling in 2020 will be done earlier in the spring (March- April ) during the snow melt period and following rain events.

**E-coli.** E-coli sampling at PR3 and PR4a started on June 3<sup>rd</sup> and will be sampled bi-weekly through September to help locate the source of high bacteria levels in the winter. Meanwhile, the City is also going to check for a cross connection between the sanitary and storm sewer in the area between Highway 10 and Detroit Lake. If no source is found, this river stretch will be placed on the impaired waters list.

#### **Ditch 14 between St. Clair Lake to Pelican River and the Pelican River between Detroit Lake to Sallie.**

Stream sampling sites include the Ditch 14 wetland area – SC3 (outlet of St. Clair Lake/HWY 59), SC3b (Ditch 14/CTY 6 downstream), SC 4 (Pelican River/Ditch 14), PR6 (Pelican River/West Lake Drive), PR6A (Pelican River /Muskrat inlet), PR 7 (Pelican River/Muskrat Lake), PR8 (Pelican River/Shoreham), and PR9 (Pelican River/Melissa Outlet). HOB0 units were deployed at SC3 and SC3B on June 13<sup>th</sup>. Water levels were also higher than normal spring elevations. The District received many phone calls concerning the high water. Ditch 14 water levels have dropped 2/10<sup>th</sup> of a foot over the past month and the Pelican River water level between Detroit to Melissa has dropped 4/10<sup>th</sup> of a foot over this same period. The interns completed one high water rating at PR6, PR6a, and PR8, and PR9 sites.

The District received a number of concerns with high water in the Ditch 14 area and on St. Clair Lake. MN DOT cleaned out and removed some debris from the culvert at HWY 59/St. Clair Lake outlet. Staff also reviewed the area looking for potential beaver dams and other activity which could impact the water levels (construction dewatering, new culvert installation), but did not find any issues. Spring monitoring results show low phosphorus levels ranging between 16 – 25 ppb in Ditch 14 wetland between St. Clair Lake and the Pelican River. There is a large beaver hut at the outlet of Detroit and 19 beaver were trapped out last month.

#### **Lakes Monitoring.**

The District collects routine samples from June-September and at other times if unusual lake conditions are noted (rapid decrease in water clarity, algae blooms). Lakes designated for 2019 monitoring are split into two sampling groups Week A (Big Floyd, North Floyd, Little Floyd, Long, Big Detroit, Sallie, and Melissa) and Week B (Munson, Johnson, Reeves, St. Clair, and Abbey). Lake sampling started the week of June 3<sup>rd</sup> for "Week A" lakes. Sampling results are not back from the lab, but water clarity (secchi) readings on June 3 for Big, North, and Little Floyd ranged between 13-15 ft; on June 4<sup>th</sup> – Long was only at 3 ft of clarity; June 5<sup>th</sup> - Big Detroit- 17 ft, Little Detroit- 13.5 ft; June 6<sup>th</sup>- Melissa - 21.5 ft, and Sallie at 12 feet. On June 11<sup>th</sup>- the "Week B" lakes (Munson, Johnson, and Reeves) measured water clarity between 12-13 ft.

**Early Algae and Diatom Bloom Reports.** Most of the month of May was cool and wet, however during the last few days in May, the air temperatures ranged from 80 degrees F to mid-90-degrees F along with 40 mph wind gusts. In response to the high air temperatures, lake water temperatures also rapidly increased from 54 degrees F on May 20th to 63 degrees F on May 30th. The high wind gusts also mixed the lake water, bringing phosphorus from the bottom lake sediments up to the surface area for algae and diatoms to feed on, causing population explosions on some area lakes.

In early June, the District received numerous phone calls and pictures from residents on Little Detroit and Long lakes reporting very poor water clarity, surface scum and clumps, and greenish/brownish water color. Usually blooms are quick events that begin and end within a few days, but they can last several weeks. The District normally observes green or blue-green algae blooms occurring between mid-July to October in area lakes, however this year the cool temperatures sparked a brown colored algae bloom - an unusual phenomena.

**Detroit- Algae Bloom.** Staff investigated the algae blooms on May 30<sup>th</sup> and took water clarity, temperature, and oxygen readings. Little Detroit water clarity was 9.5 ft, 4 ft below the average of 13.5 ft. in early June. Big Detroit Water clarity of 17.5 feet, about average for this time of year.

**Long - Brown, cold-water diatom bloom.** Long Lake reported brown colored water and a water clarity reading of 2.5ft, significantly lower than the 18.5 ft recorded in same time period last year. This low reading is very unusual for Long Lake, one the District's best water quality lakes. The prolonged cool spring weather conditions made for ideal population explosion conditions for a certain type of algae called diatoms. Diatoms thrive in clean, cool water and can respond very quickly when the right springtime conditions occur. Diatoms lay dormant in the lake sediment during the winter and begin



to multiply and rise to the surface in spring. Under normal weather conditions, their populations do not increase to the level of a "bloom" and they are an important part of the fisheries food chain. On Long, diatoms became so plentiful the water turned brown. In late May the rapid increase in water temperatures caused the diatoms to die off. Many thanks to Andy Butzer, with MN Pollution Control Agency, who viewed the Long algae samples under a microscope and verified it was a diatom bloom. Curiously, in early May of 2018, the water clarity reading was 11 ft, the lowest reading of the year, with low phosphorus (13 ppb) and Chl-A (5 ppb) results, so perhaps diatoms also affected spring water clarity in 2018.

The District collected water samples (Phosphorus, Chl-a), measured water clarity, and took temperature, oxygen, pH water column readings and are waiting on the test results. Long lake will be added to the District's 2019 lake monitoring list.

**U of MN Research Study (Melissa)** – The MN DNR research crew will be gill netting between July 15 and July 19 and sein netting and sampling invertebrates between July 29<sup>th</sup> and August 2.

**Lake Water levels.** Area lake water levels remain about 5-6 inches above the Ordinary High Water Level.

**Monitoring Equipment.** In May, two additional HOBO water level loggers were ordered and deployed. The District has 8 units, with seven units deployed along stream segments and one unit recording barometric pressure readings. The flow meter and Hydro Calc equipment was sent in 6/10 for repair.

## EDUCATION

**Hodge Podge.** Alcott was the May guest on Hodge Podge. He discussed the upcoming invasive plant treatments for Curly-leaf pondweed and Flowering Rush.

**Meetings** – Guetter attended two meetings on Saturday, June 1. The affected landowners of the West Lake Drive project met with Becker County, City of Detroit Lakes, and the District to review their concerns with the project and to explore what changes could be made to the plans. The second meeting Guetter attended was with Golden Bay Shores HOA to answer questions concerning the completion of on-site construction projects and future maintenance requirements for the stormwater treatment areas. Guetter also met with the Fox Lake Association on June 6<sup>th</sup> and discussed projects and programs the District is working on, including the AIS readiness response plan.

**Sucker Creek Preserve** – Alcott met with Steve Fode (DLHS), Donna Dustin (MN DNR), Moriya Rufer (Houston Engineering), Matt Davis (MN Trails), and Sally Hausken (Sucker Creek Preserve) to discuss the successes and shortcomings of this year's Sucker Creek events. The group is excited to continue this important education effort and discussed equipment needs, hands-on learning station changes, and other modification to improve the outcomes of the sessions.

**Aqua Chautauqua 2019.** A planning meeting was held on June 6th and the 2019 event theme will focus on "Fisheries on the Otter Tail". The event date is on Thursday, August 15 at Dunton Park.

**Starry Stonewort Field Trip to Lake Koronis.** Becker COLA has requested the District to co-sponsor a trip on August 15th to Lake Koronis to see first-hand the effects of Starry Stonewort on a lake and their treatment efforts. The tour will leave the Detroit Lakes area at 9:00 am and be back around 5:00pm.

### Upcoming Events:

**Sallie Melissa Lake Association** – Shoreham, June 15, 2019

**Lake Detroiters 75<sup>th</sup> Anniversary** – Pavilion, June 22, 2019

**Long Lake Association**-Long Lake Park, June 29, 2019

## AQUATIC INVASIVE SPECIES MANAGEMENT

**AIS Readiness Response Plan.** Moses and Guetter are preparing lake maps and tying in lakes with the Wersel plan.

**Curly-leaf Pondweed Treatments:** The cool spring weather inhibited CLP plant growth and initially the only areas designated for treatment in late May was on Big Detroit, south of the Overlook area and two areas on Sallie. After further discussions with the MN DNR and applicator, the District decided to postpone CLP treatments until the first week of June and to recheck the other lake areas for CLP growth and amend the permit to include those areas if needed. Areas were rechecked and Big Detroit South Public access, Long Bridge Marina, Curfman, and Muskrat were added to the permit. Melissa was not treated this year as CLP was not found during May 30th recheck survey. If CLP is found later, the District



has the option to apply for a nuisance plant removal permit (not an AIS permit). The cost for 2019 CLP treatments for all the lakes was \$56,170.

**Flowering Rush Treatments** – This week, the District began delineating Flowering rush areas and ranking bed area densities (low, medium, high) and will submit the permit applications and maps to the MN DNR AIS staff by June 18th. Treatments are tentatively scheduled with PLM for the week of June 24 – 27<sup>th</sup>, pending favorable weather conditions. Low Flowering rush density areas will not be treated, medium density areas will be treated once (late June) and high density areas will receive two treatments (late June and early August). The treatment notices and maps will be posted on the District's website and sent out to the respective lake association contacts.

## **GENERAL ADMINISTRATION**

**Manager Reappointments.** The Becker County Commissioners have re-appointed Kral, Haggart and Michaelson. Guetter has sent a letter to Becker County administrator Brethorst regarding the resignation of Manager Refsland requesting an appointment be made to complete his term through May 2020.

**Annual Report.** Discrepancies were found in the 2018 Shoreline Survey Data on Big, Little Detroit and Curfman where shoreline alteration conditions were not correctly classified. However, photographs were taken of each parcel which will allow District staff to go back and correct the errors. Interns Raina and Warren have begun making the corrections.

**PRWD Informal Project Tour** – Manager Imholte, Moses and Guetter will meet on June 14 to start planning the tour.

**Financial Audit Engagement of Services Quote.** The District received a quote for auditing services from Justin Clausen (enclosed).

**Minnesota Association of Watershed Districts** - The summer tour is scheduled for June 26-28 in Moorhead, MN at the Marriott Conference Center. The tour will feature projects of the Red River Valley watershed Districts. An administrator meeting will be held on June 26<sup>th</sup>.

## **DRAINAGE SYSTEM REPORT**

June 13, 2019

### **DITCH 11/12 (Moon Lake to Campbell Lake to North Floyd Lake)**

**Work Order** – Lundberg completed the dam removal on May 27.

No outstanding work orders to report.

### **DITCH 13 (Little Floyd Lake to Big Detroit)**

**Report:** A resident on North Shore Drive along the Pelican River reported beaver activity in the river. Fall of 2018, beaver were trapped in this area.

**Status:** Interns walked the river the last week of May and they did not note any fresh beaver cuttings or activity. No further action required.

**Report** – Delbert Saarinen, is trapping beaver for Dovre in their field ditch and Delbert called the District on 6/11 to find out if the neighboring Dillon property has reported any beaver activity or new dams. Bill Dillion was contacted and he reported that he has not observed any dams or beavers on his pasture property. No action required, but continue to monitor.

**Report:** Interns noted on June 3<sup>rd</sup>, fresh beaver cuttings and start of a dam being built 100 yards south of PR2A monitoring station.

**Status:** Work Order sent to Josh Campbell 6/7/19.

### **DITCH 14 and BRANCH 1 (HWY 10 to St. Claire Lake to Pelican River)**

**Report:** Guetter reported beaver hut at the outlet of Little Detroit and fresh cuttings along Pelican River/bike path.

**Status:** Work order issued to Josh Campbell for beaver trapping. Josh Campbell trapped out 19 beaver near the Dunton Trail from late-April to mid-May and brought in the beaver tails. No outstanding work orders to report.



# RULES OF ENFORCEMENT

## June 2019



### Permits Issued

<u>No.</u>	<u>Name</u>	<u>Address/Area</u>	<u>Approved Project</u>
19-08	Amy McKinnon	15238 East Munson Dr. Munson Lake	SIZ: Install 100 ft. of natural rock rip-rap
19-09	Friesen's	1389 Cormorant Ave.	New building construction, impervious surface coverage over 1 acre.
19-10	Tamera/Clinton Pueppke	11645 Fern Beach Blvd Lake Melissa	SIZ: Repair ice pressure ridge damage
19-11	Jennifer Williams	23619 Co. Hwy 22 Lake Melissa	SIZ: Remove retaining wall, shoreline restoration with native seeding and planting.
19-12	Essentia Health	1113 Lincoln Ave.	Construction of new parking lot.
19-13	Jeffery/Diane Hausman	25961 Brolin Beach Rd. Big Floyd Lake	SIZ: Repair existing rip rap along shoreline, install 4-ft wide walkway and steps to deck.
19-14	Donna Knutson	12803 W Lake Sallie Dr. Lake Sallie	Permit #17-43 Extension. SIZ: Repair storm damaged shoreline, install rock rip rap.
19-15	Detroit Lakes Schools Roosevelt Elem.	510 11th Ave.	Expansion of Roosevelt Elementary School. Impervious surface Coverage greater than 1 acre.
19-16	Holiday Inn	1175 Hwy 10 East	Reconstruction of existing parking lot, impervious surface over 1 acre.
19-17	Paul/Pam Boe	19879 Town & Country Est. Big Floyd	SIZ: Repair ice pressure ridge damage, install 4' wide walkway and steps to lake, beach sand blanket.
19-18	Nate/Raimy Ronning	832 Longview Dr. Long Lake	SIZ: Install beach sand blanket
19-19	Randy/Becky King	14043 W Lake Sallie Dr. Fox Lake	SIZ: Restore rip rap to 4' wide band, regrade and reseed existing lawn, install 10x10 sand blanket.
19-20	Gayle/Carole Stoltman	13315 W Lake Sallie Dr. Lake Sallie	SIZ: Repair existing rip rap, reconstruct walkway to lake
19-21	Detroit Mountain City of Detroit Lakes	29409 170th St.	Construction of new parking lot. Impervious coverage of 4+ acres

### Permit Applications submitted

**Jessica Kashmark**— 2676 Black Beauty Lane—Install rip rap and vegetation. Contacted owner stating we could issue permit with information received or he could request extension on application if he would like to make changes. Waiting for his reply.

#### Detroit Lakes School Projects:

**Rossmann**—Application and plans submitted—Wenck finishing second review. We expect to issue permit within the week.

**DLHS**—MBN Engineering currently working on plan and expects to submit in July. Applicant has pushed back this part of project.

**Brad & Kelli Sessler**—20675 Evergreen Shores (Little Floyd), received application 6/12/19. Rip rap install and shore impact zone grading.

**Foltz Building**—2125 US Hwy 10, received application 5/31/19. New building construction. First Wenck review in process.

**North Shore Travel Plaza**—1121 US Hwy 10, received application 6/7/19. Reconstruct impervious surface. First Wenck review in process.

**Denis & Susan Kadrie**—190 Shorewood Dr., received application 5/30/19. City of Detroit Lakes has issued variance. Lot coverage over 25%-stormwater management plan needed. Applicant working with landscape architect for stormwater design.



## **RULES OF ENFORCEMENT**

### **June 2019 (continued)**

#### **Projects Under Remediation**

**Jamie Braseth**-608 Shorewood Dr.- City of Detroit Lakes has issued variance for boathouse reconstruction. We have received completed application and surety (\$2000) on 6/12/19. He is currently working with Becker SWCD on shoreline restoration plan.

#### **Progress Report**

**Golden Bay Shores** – Guetter attended HOA meeting on 6/1/19 and discussed maintenance requirements on stormwater plan. Buffer signs have been installed. District staff will monitor erosion control during final building construction.

**Becker County Museum Building Project**—Guetter met with building committee to review stormwater management for the new addition. Discussed developing an education component the District could cost share in such as water reuse systems. Nothing further to report.

**Becker CSAH 22 Long Bridge**—The current access paths on the sides of the Bridge from the road to Curfman lake are highly eroding and unsafe. The City staff is working toward a plan for a stable access path.

**Long Lake Lane**—PRWD staff and City of DL met at a homeowners site to review concerns with maintaining the rural section ditch checks. The homeowner will install some rock around the drive way culverts to aid in lawn care maintenance. Nothing further to report.



## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU) is made and entered into by and between the City of Detroit Lakes and the Pelican River Watershed District (PRWD).

**WHEREAS**, the Shore Impact Zone is defined as the land between the Ordinary High Water level of a public water and a line parallel to it at a setback of 50% of the required structure setback. On Detroit Lake this is everything within 37 ½ feet of the Ordinary High Water level; and

**WHEREAS**, the City and the PRWD have mutual interest in regulating certain activities in the shore impact zone; and

**WHEREAS**, the City and the PRWD are both interested in regulating these activities in an efficient way that will benefit the public;

**NOW, THEREFORE**, the parties hereto, in consideration of the mutual covenants and agreements to be performed, as hereinafter set forth, agree as follows:

### **Article 1. Actions by PRWD**

- A. PRWD agrees to require a permit for the following activities in the shore impact zone within the City limits of Detroit Lakes:
  - 1. Vegetative Removal
  - 2. Creation of a View Corridor
  - 3. Placement of Rip Rap
  - 4. Placement of a Sand Blanket
  - 5. Repair of an Ice Ridge

The PRWD will issue permits and perform all inspections required for these activities.

- B. PRWD will email to the City copies of all permits and plans associated with the activities listed in item A. The information will be sent to the following address: [planning@cityofdetroitlakes.com](mailto:planning@cityofdetroitlakes.com)
- C. The PRWD will email to the City copies of all PRWD permits issued in the City of Detroit Lakes and plans to the following email address: [planning@cityofdetroitlakes.com](mailto:planning@cityofdetroitlakes.com)

### **Article 2. Actions by the City**

- A. The City will include a statement on its building permit and zoning permits directing people to contact the PRWD for a permit for items listed in Article 1.A.
- B. The City will forward copies of building permit applications and zoning permit applications where the applicant has indicated that they will exceed 25% or 10,000 square



feet of impervious surface coverage. This information will be sent to the following email address: [prwdinfo@arvig.net](mailto:prwdinfo@arvig.net)

**Article 3. Amendment Modification and Termination**

This MOU or any of its terms may only be amended, modified, or terminated by a written agreement signed by or on behalf of all the parties hereto or their successors in interest. Any party desiring to amend, modify, or terminate this MOU shall provide at least 30 days written notice to the other party.

**Article 4. Term**

This MOU is effective July \_\_\_\_\_, 2019, and continues until terminated as stated in Article 3.

In witness hereof, the parties hereto have cause this MOU to be executed by authority of their respective bodies.

**CITY OF DETROIT LAKES**

**PELICAN RIVER WATERSHED  
DISTRICT**

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Kelcey Klemm  
City Administrator

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Tera Guetter  
District Administrator