

REVISED

**City of Oconomowoc
Utility Committee**

Aldermen: Kowieski, Chairman / Mulder, Secy / Zapfel

**Tuesday, June 23, 2020 - 4:00 PM
City Hall – Council Chambers**



Live Stream Meeting Access: You Tube - <https://youtu.be/A59aPyHk3sY>

Notice: If a person with a disability requires that the meeting be accessible or that materials at the meeting be in an accessible format, call the City Clerk's office at least 48 hours in advance to request adequate accommodations. Tel: 569-2186

- 1. Call to Order, Roll Call and Confirmation of appropriate Meeting Notification**
- 2. Approve Minutes**
 - a. Minutes of May 26, 2020
- 3. Committee Business**
 - a. Consider/act on Approving Large Water Meter Evaluation, Testing & Calibration Services
 - b. Presentation of Oconomowoc Watershed Protection Program - Annual Program Update
- 4. Review Committee Reports**
 - a. UC Utility Billing Report June 2020
 - b. UC Electric Report June 2020
 - c. UC Water Report June 2020
 - d. UC Wastewater Report June 2020
- 5. Staff and Committee Comments**
- 6. Adjourn**

Diane Coenen, City Clerk
City of Oconomowoc

Members of other City governmental bodies (boards, commissions, committees, council, etc.) may attend the above noticed meeting of the Utility Committee to gather information. The only action to be taken at the above noticed meeting will be action by the Utility Committee. Utility Committee members should notify the City Clerk's Office at 569-2186 if they are unable to attend.

**City of Oconomowoc
Utility Committee Meeting Minutes – May 26, 2020**

Alderman Kowieski called the meeting to order at 4:00 pm.

Members Present: Aids. Kowieski, Zaphel and Mulder

Staff Present: Kevin Freber, Scott Osborn, John Schuh, Joe Pickart, Sarah Kitsembel and Tina Wallace

2. Minutes of April 28, 2020: Motion by Mulder to approve the April 28, 2020 minutes as presented; second by Zaphel. Motion carried 3-0.

3a. Consider/recommend 2019 Compliance Maintenance Annual Report for the Wastewater Utility: Freber explained this report is an evaluation of the entire Wastewater Treatment Plant, biosolids program and collection system. He stated the Common Council is required by the WDNR to approve the CMAR on an annual basis. He explained the plant capacity, biosolids quality, collection system evaluation, staffing, operator certification and financial management. The plant was given an overall score of 4.0. Kowieski asked about lead laterals on Pleasant Street. Freber stated lead is only an issue for the water utility. He stated wastewater laterals themselves are the homeowners' responsibility, all the way up to the main under the street. He stated there is nothing in our ordinance that says who owns the connection. Kowieski suggested that this be brought to the next meeting for discussion. Freber noted he would be happy to give the new aldermen individual tours of the facility.

Motion by Mulder to recommend the 2019 Compliance Maintenance Annual Report for the Wastewater Utility; second by Zaphel. Motion carried 3-0

4. Review Committee Reports: Utility Billing – Schuh referred to his report included in the packet. He noted there has been a shift in usage from commercial to residential. Staff will be implementing "My account" customer website portal. Lastly, the PSC selected Oconomowoc Utility for a billing procedure audit. **Electric –** Pickart referred to his report included in the packet. He noted that today the electricians should have been starting to install the new electric at the PD building. Staff is working on the voltage conversion on Thompson St. and new police station. There is a very large power transformer that sits inside the old Utility building that will be removed through the roof and there was a sewer line that collapsed at that building. A new line is being put in for the restrooms and the roof will be fixed this year. Lastly, staff installed a new switchgear at the corner of Lisbon Rd & Hwy P. **Water –** Osborn referred to his report included in the packet. He noted the Water Tower Maintenance Program has started and the north water tower has been painted. Staff is finishing this week with hydrant flushing. Osborn stated staff is working on the Water Quality Report which be out by July 1st. **Wastewater Report –** Freber referred to his report included in the packet. He noted there is a sink hole on George Street right above an existing lateral. The repairs will take place in about a week. When staff televised the existing sanitary sewer, they found the pipe to be in very poor shape. Freber's recommendation is to get it repaired immediately. Contracts have been signed.

5. Staff and Committee Comments: Zaphel asked if any non-profits in Oconomowoc received a grant from WPPI. Pickart stated yes and Utilities will receive \$23,500 to be used for COVID relief. Members requested dates to identify the review of the Utilities and where we are at with the GIS system. Pickart explained what the GIS system is. Freber stated the WPDES Permit will be public noticed on May 28th, 2020. Pickart stated he would like to spend an hour with each of the Aldermen individually to show them the plant.

6. Adjourn: Motion made by Zaphel to adjourn at 4:45 pm; second by Mulder. Motion carried 3-0.

Tina Wallace, Deputy City Clerk



MEMORANDUM

DEPARTMENT - WATER UTILITY

Date: June 15, 2020
 To: Utility Committee
 From: Scott Osborn P.E. – Water Superintendent 
 Re: Consider/Act on Large Water Meter Testing Proposal

RELATES TO THE STRATEGIC PLAN

Strategic Goal- I – PROVIDE A SAFE AND SECURE COMMUNITY

- I.D – Ensuring & testing the accuracy of the water meters in the system

BACKGROUND

The Wisconsin Public Service Commission (PSC) per the Wisconsin Administrative Code PSC 185 sets forth the requirements for water meter testing that our municipality must follow. Historically, each year during the months of January and March, for meters 1-inch in size and larger, our Utility staff would typically perform these tests. Due to the staff turnover at the end of 2019, we did not have our typical staff available to perform these tests in-house during the months of Jan – Mar.

ADDITIONAL ANALYSIS

In order to get this required meter testing accomplished in 2020, we solicited quotes from qualified contractors to perform this work for us this year. The scope of services proposed was to test up to 71 water meters using an ultra-sonic, in-place testing method for all the 1 ½-inch and 2-inch required to be tested. We received three quotes on the proposed scope of large water meter testing. Below is a summary of the quotes received:

CONTRACTOR	QUOTE (38) 1-inch and (33) 1 ½-inch
Midwest Testing, LLC	\$13,655
M.E. Simpson	\$20,944
Midwest Meter, Inc	No Quote Provided (too busy could not meet timeframe)

FINANCIAL IMPACT

The proposed funds used to contract out this service in 2020 is estimated to be \$15,020. This includes a 10% contingency. Project #602-573-6676 code 210 should be used.

RECOMMENDATION

Staff recommends awarding the contract to Midwest Testing, LLC for \$15,020 (not to exceed lump sum)

SUGGESTED MOTION

Consider/act on awarding the contract to Midwest Testing, LLC for the required large water meter testing to be performed in the amount not to exceed \$15,020.

Midwest Testing LLC.
 2091 Sorensens Rd.
 Mora, MN 55051

Estimate

Date	Estimate #
1/7/2020	668

Name / Address
Oconomowoc Utilities 808 S. Worthington Street Oconomowoc, WI 53066

Project

Description	Qty	Rate	Total
Quote- Water Meter Testing - 2020 Atten: Scott			
In-line water meter test 1 1/2" - 6" (Compound, Positive Displacement, Turbine, Omni, Hyd. & FM) Each	1	190.00	190.00
Cleaned, Repair and retest Each	1	130.00	130.00
Remove and replace of water meter for testing if needed Each	1	65.00	65.00
Well house water meter test (All size and Make/Model) Each	1	225.00	225.00
Pit Charge Each	1	80.00	80.00
Service Fee (per day)	1	165.00	165.00
If any parts needed for repair that is extra charge			
<i>* 71 Large Meters</i>	<i>71</i>	<i>190</i>	<i>13,490</i>

Subtotal	\$855.00
Sales Tax (0.0%)	\$0.00
Total	\$855.00

** Total for Requested
 Large Meter Testing
 (No repairs included)*

\$ 13,655

Scott Osborn

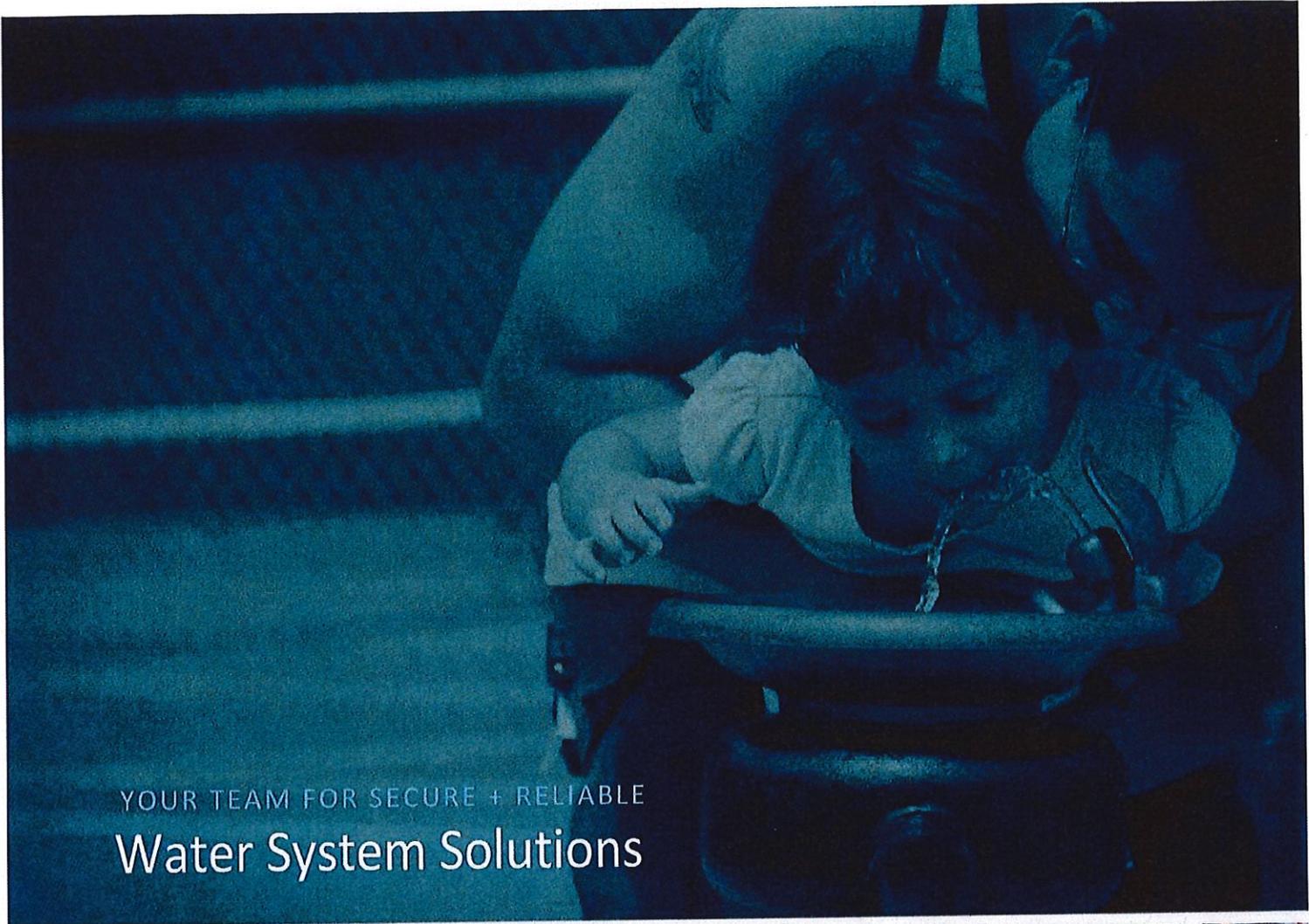
From: Ben Morman <bmorman@midwest-meter.com>
Sent: Monday, March 30, 2020 1:34 PM
To: Scott Osborn
Cc: Steve Dauster
Subject: Meter Testing

Good Afternoon Scott,

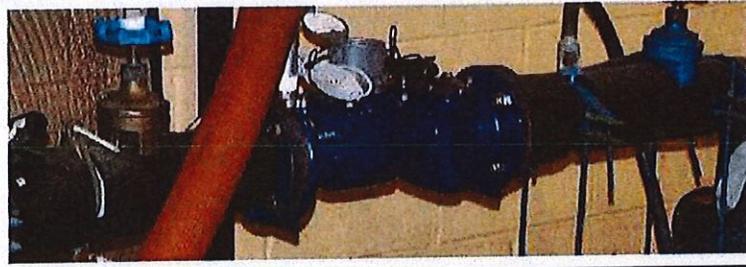
Thank you for reaching out on Friday. We have decided not to provide a response to your RFQ. This is out of the scope of work we traditionally provide in Wisconsin. In this region we specialize in the testing and adjustment of Well and Treatment Plant Mag Meters. Additionally we are already seeing delays in our scheduled work for the year due to the COVID situation. These delays gave me doubt that we could complete your project in the required time frame. Thank you for your interest in our services for this project.

Stay Safe,

Ben Morman
Midwest Meter, Inc.



YOUR TEAM FOR SECURE + RELIABLE
Water System Solutions



BID TO PROVIDE

The City of Oconomowoc Utilities, Oconomowoc, WI
Large Water Meter Evaluation, Testing and Calibration

M.E.  SIMPSON
Co., Inc.

INVESTMENT

A commitment to improving and maximizing the City of Oconomowoc Utilities, Oconomowoc, Wisconsin's water distribution system for future generations.

M.E. Simpson Co., Inc. is pleased to present our "Proposal" for a Large Water Meter Evaluation, Testing and Calibration program for the City of Oconomowoc Utilities, Oconomowoc, Wisconsin. M.E. Simpson Co., Inc. will perform our large water meter testing services on approximately 71 large water meters within the Oconomowoc Utilities' water distribution system. The program will be completed by evaluating, testing and calibrating when necessary by one of our two-man teams with all necessary equipment furnished by M.E. Simpson Co., Inc. as described within this document. The project will also include complete reporting of all issues found, with a final comprehensive report.

	Test	Calibrate/ Post Test
1 ½" through 2" Sensus Omni turbine style meters	\$295.00 each	\$150.00 each*
1 ½" through 12" water meter inspection/recommend (NON-Testable)	\$195.00 each	
<u>Appointment, Client MISSED/NO SHOW</u>	\$295.00 each	

***Parts are NOT included in the Calibration/Post Test Fee**

****Time and Material charges will apply for the calibration of Fire Meters or Fire Line Meters at \$235.00 per hour for a Two-Man team, \$335.00 per hour for a Three-Man team**

Additional Service Options:

Combined Photo & Sketch	\$125.00 each
Inspect & Clean Strainer	\$200.00 each

We thank you for this opportunity to acquaint you with our Large Water Meter Testing & Replacement services and offer this proposal. If you have further inquiries or you wish to discuss our service in more detail, do not hesitate to call us.

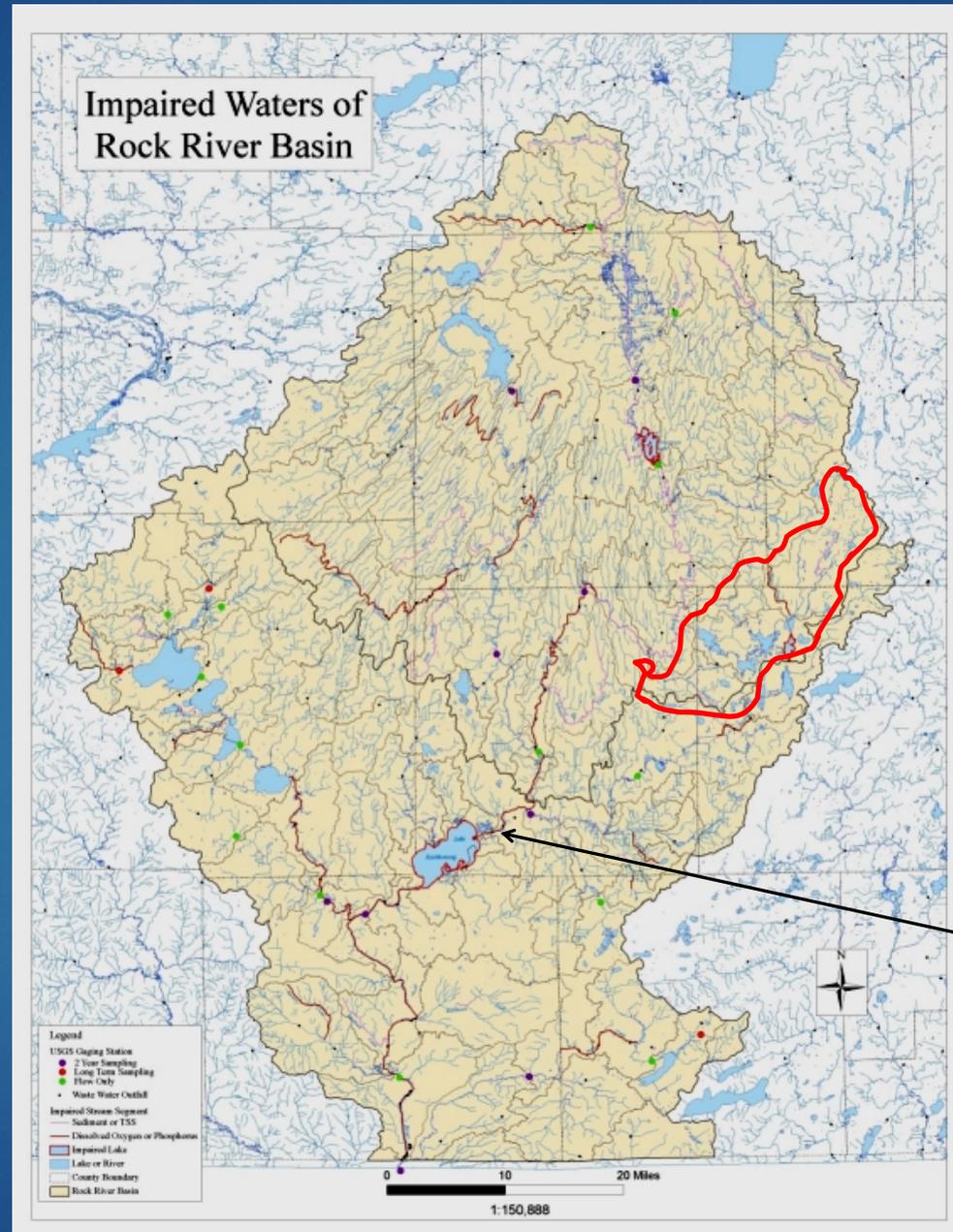


OCONOMOWOC WATERSHED PROTECTION PROGRAM

UTILITY COMMITTEE MEETING

JUNE 23, 2020

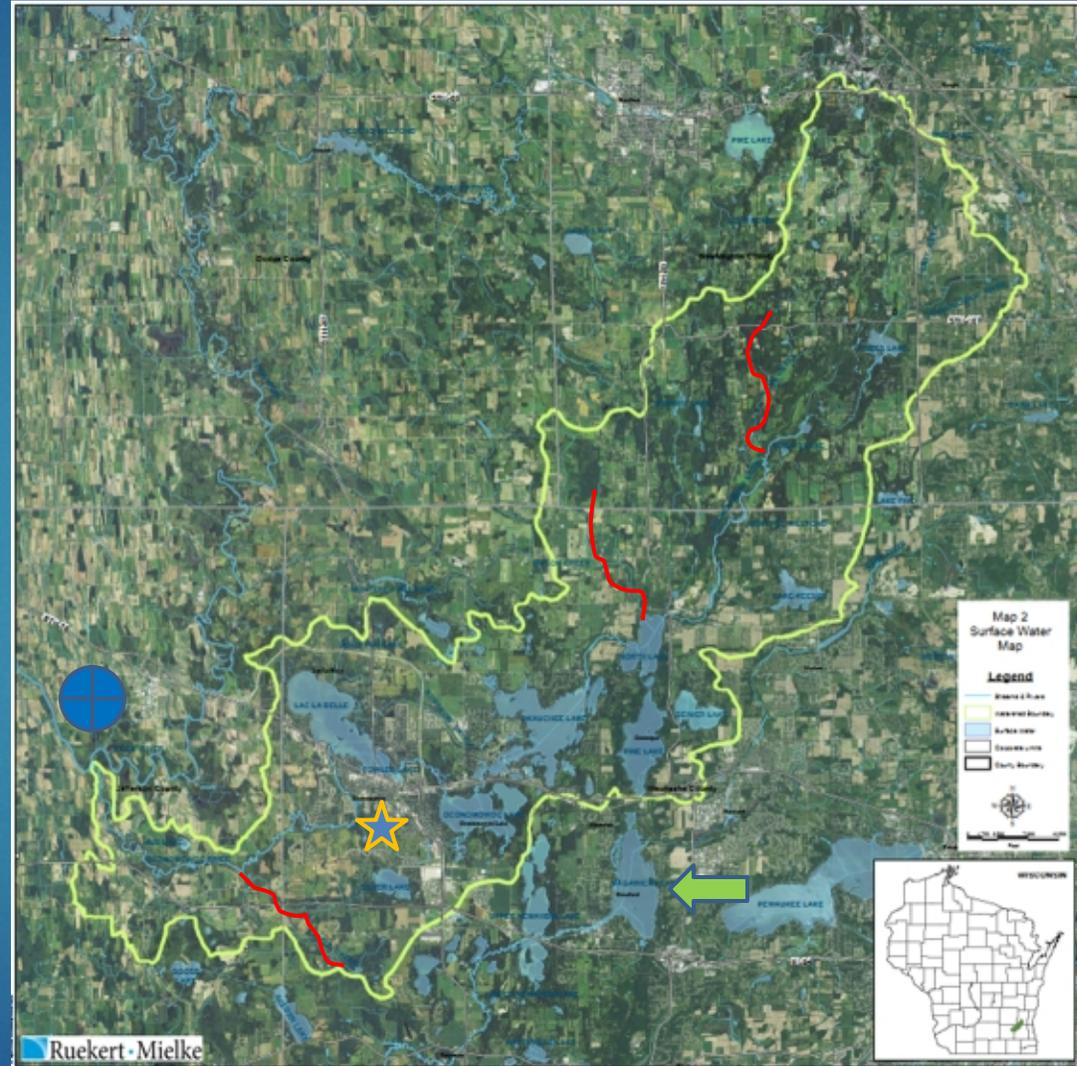
Rock River Impaired Waterways



Impaired
reaches in
red.

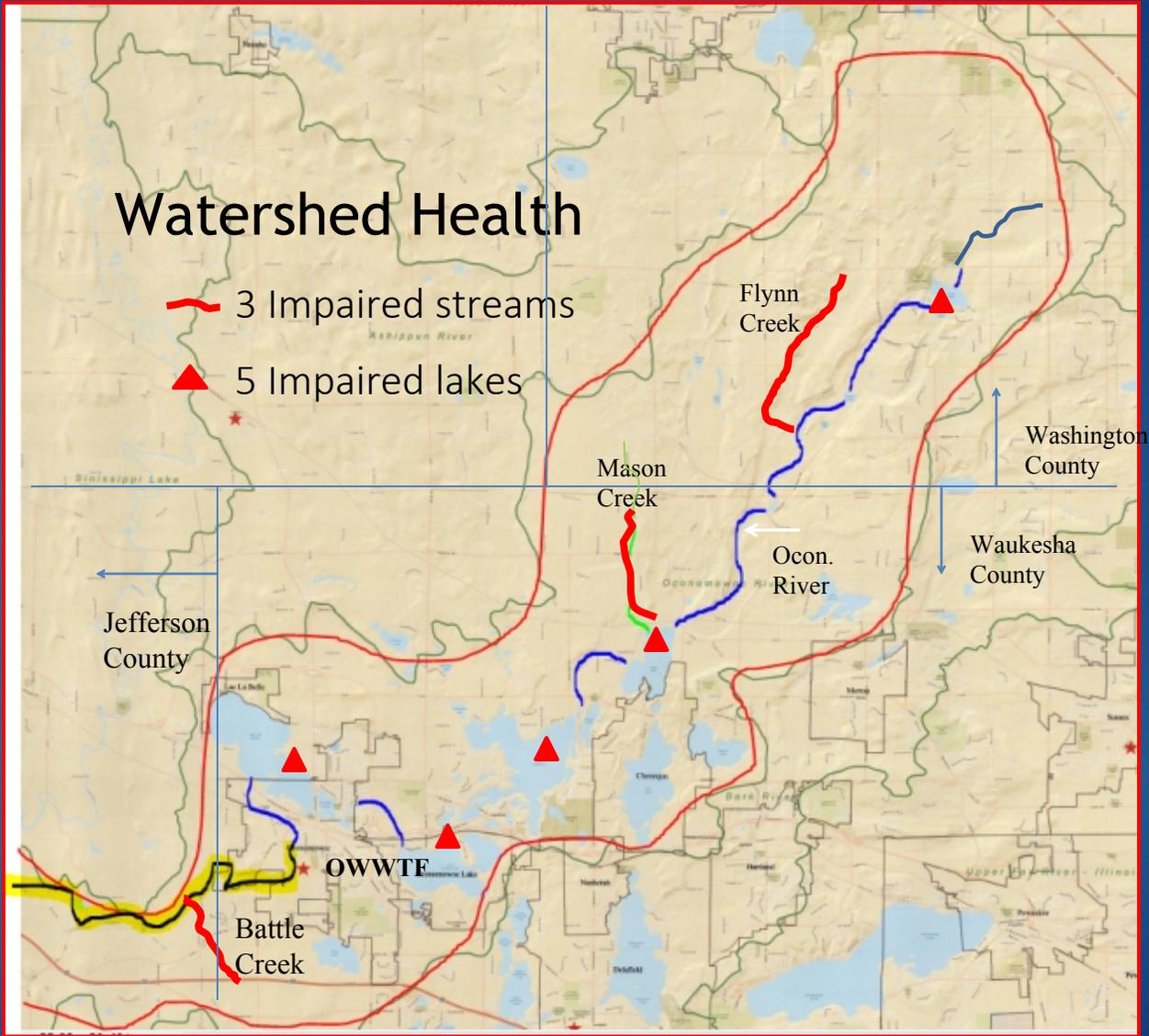


- ▶ 49 Miles in length
- ▶ 131 sq. miles
- ▶ 83,000 acres
- ▶ 17 lakes



Watershed Health

- 3 Impaired streams
- 5 Impaired lakes





June 2015 Mason Creek



March 2020 Coney River

Oconomowoc WWTP

The only treatment facility in the watershed





\$15
Mil

OR

2013 – 2014 TMDL
Analysis of options



\$5 Mil

2014 – 2015

RCPP –

Approved - Jan. 2015

ADAPTIVE

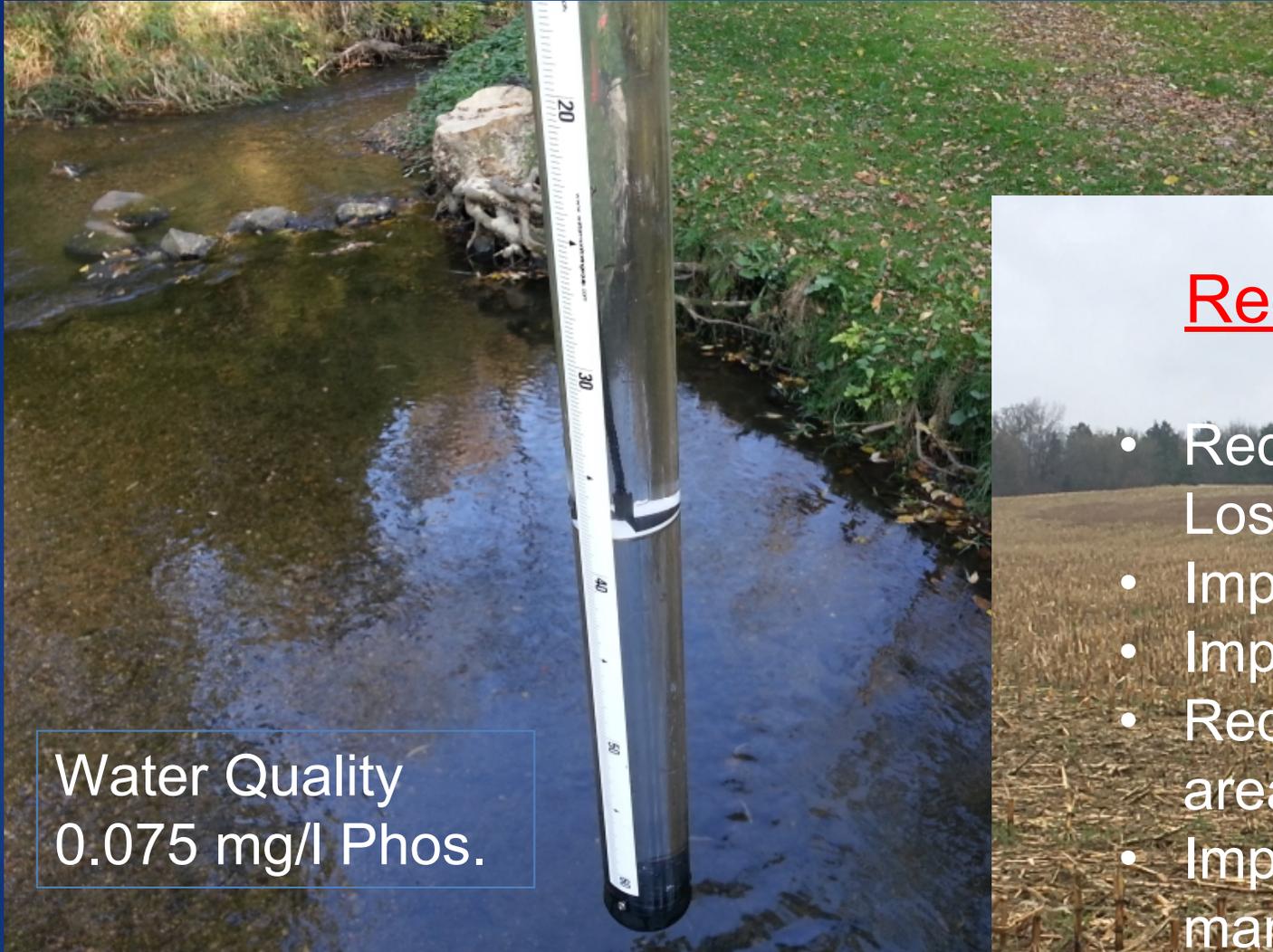
MANAGEMENT –

Approved - Sept. 2015

THE OWPP IS BORN

!



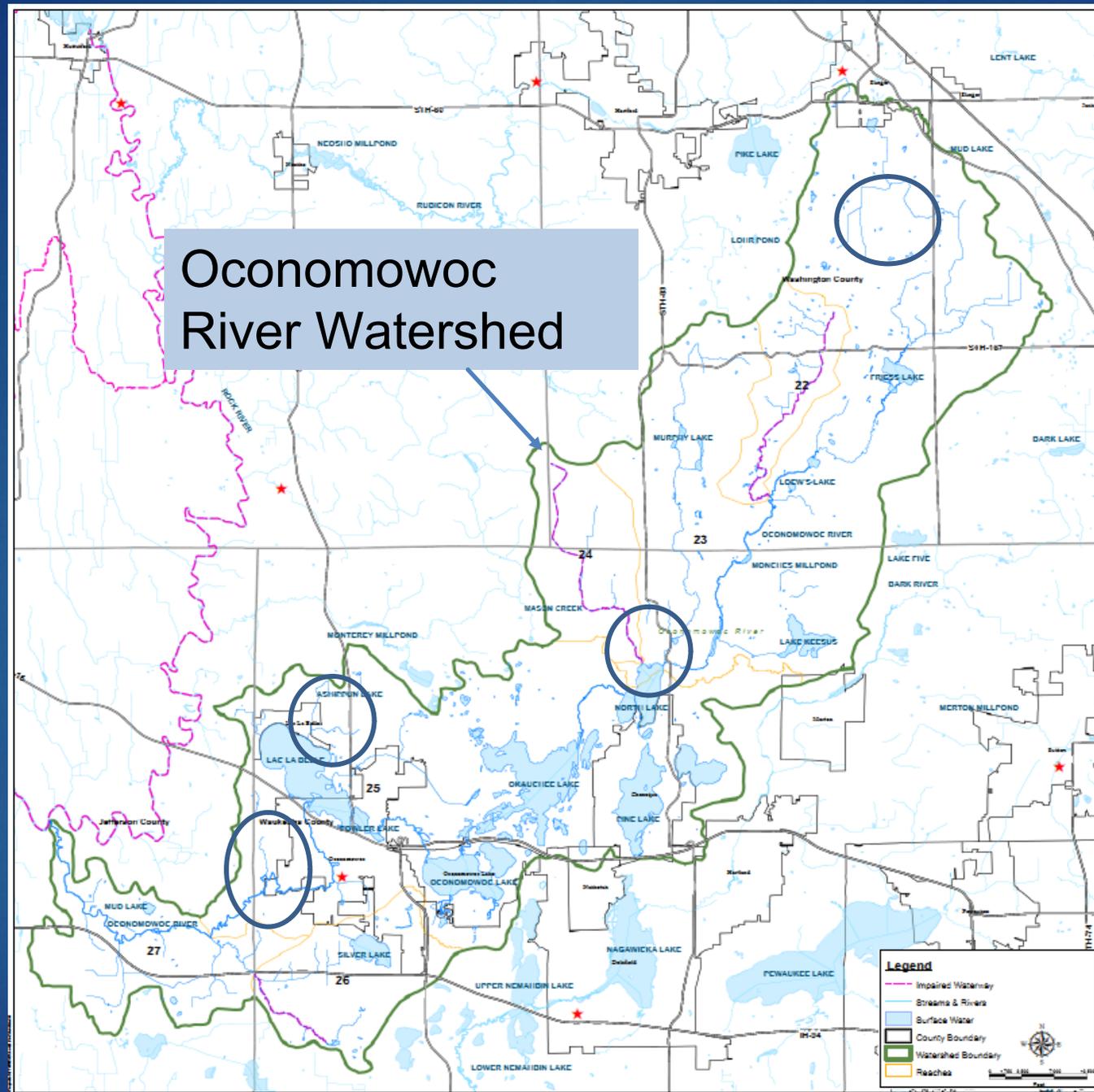


Water Quality
0.075 mg/l Phos.

Reduction Measures

- Reduce rural Erosion and Nutrient Loss
- Improve Soil Health
- Improve Stormwater Management
- Reduce Inputs to Urban and Rural areas
- Improve waterfront property management

2019 -
2020



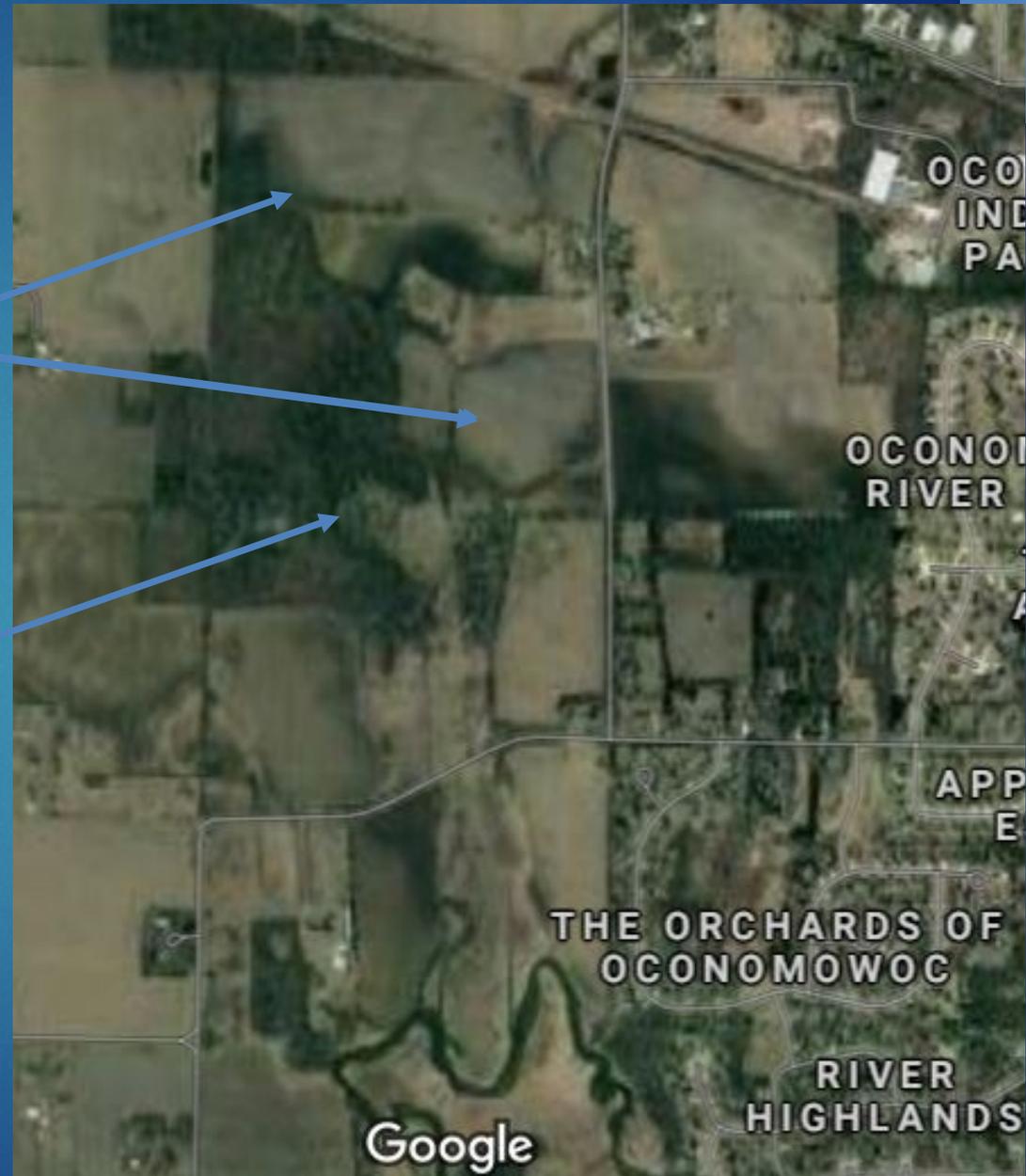
Conservation and pollinator cover.

Incentivizing continuation of conservation cover.



Field buffer strips,
Conservation
cover

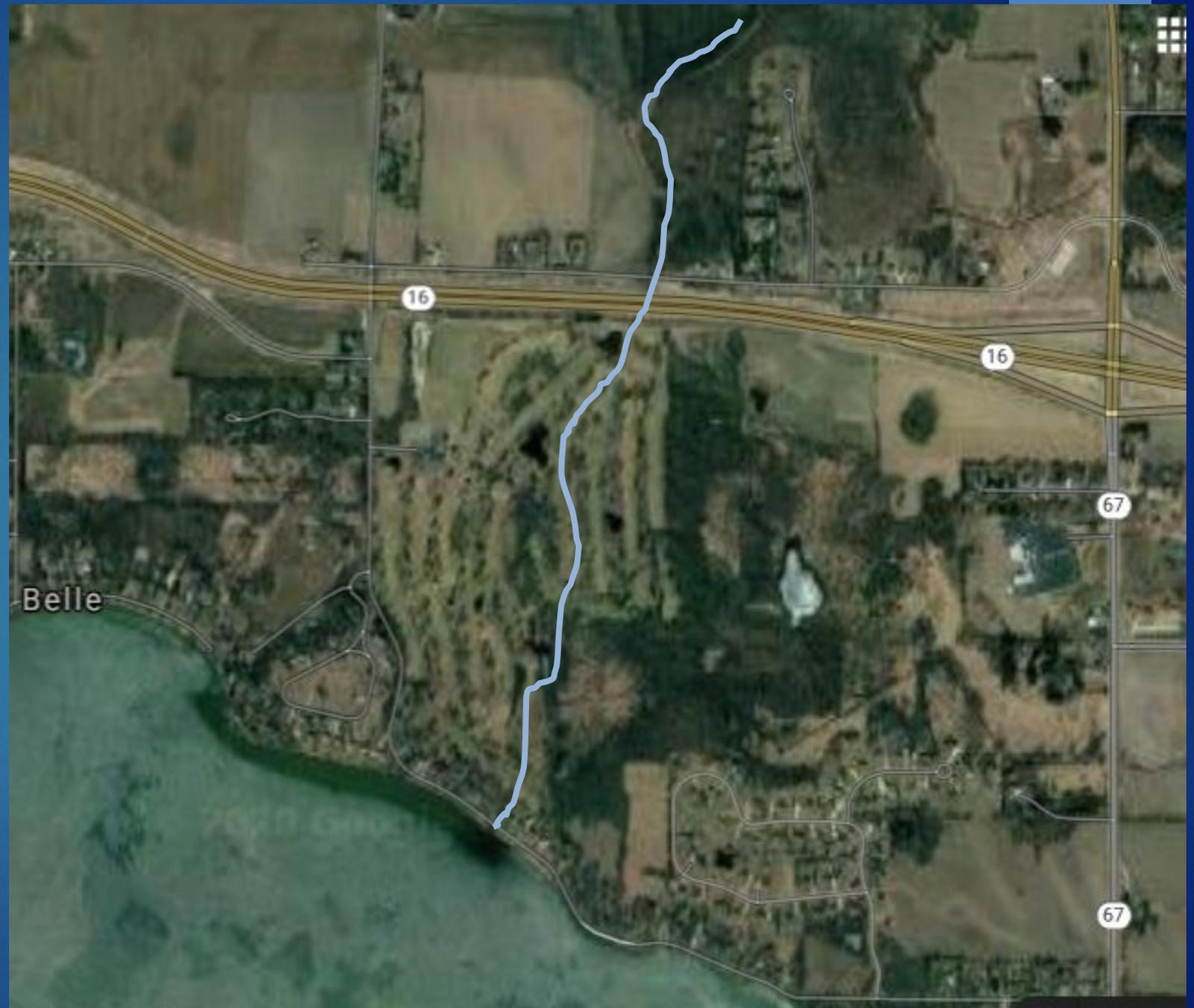
Ditch and stream
bank restoration



Golf Course Creek

TRM Grant applied for May 2020.

Four Party Project.





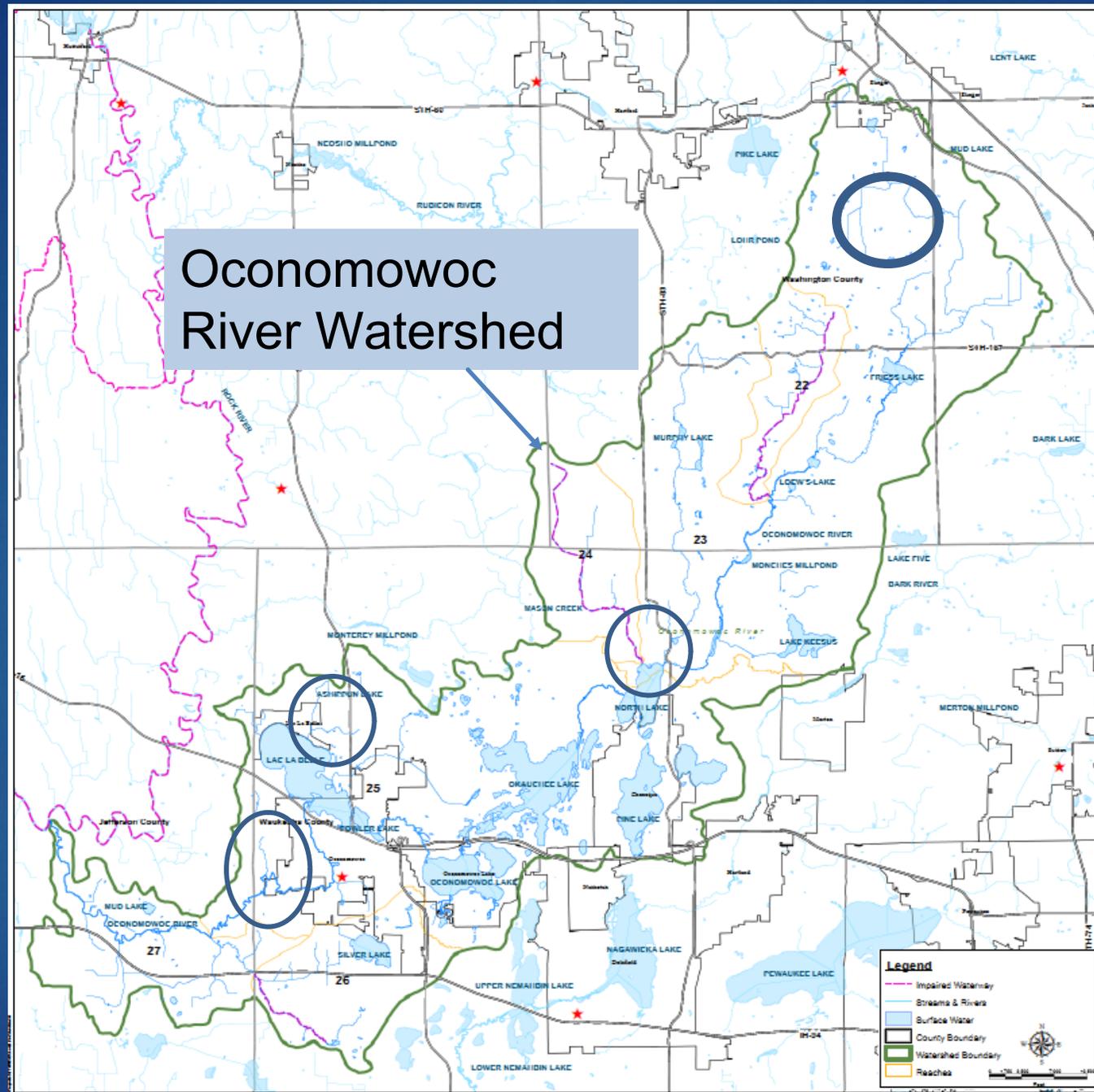


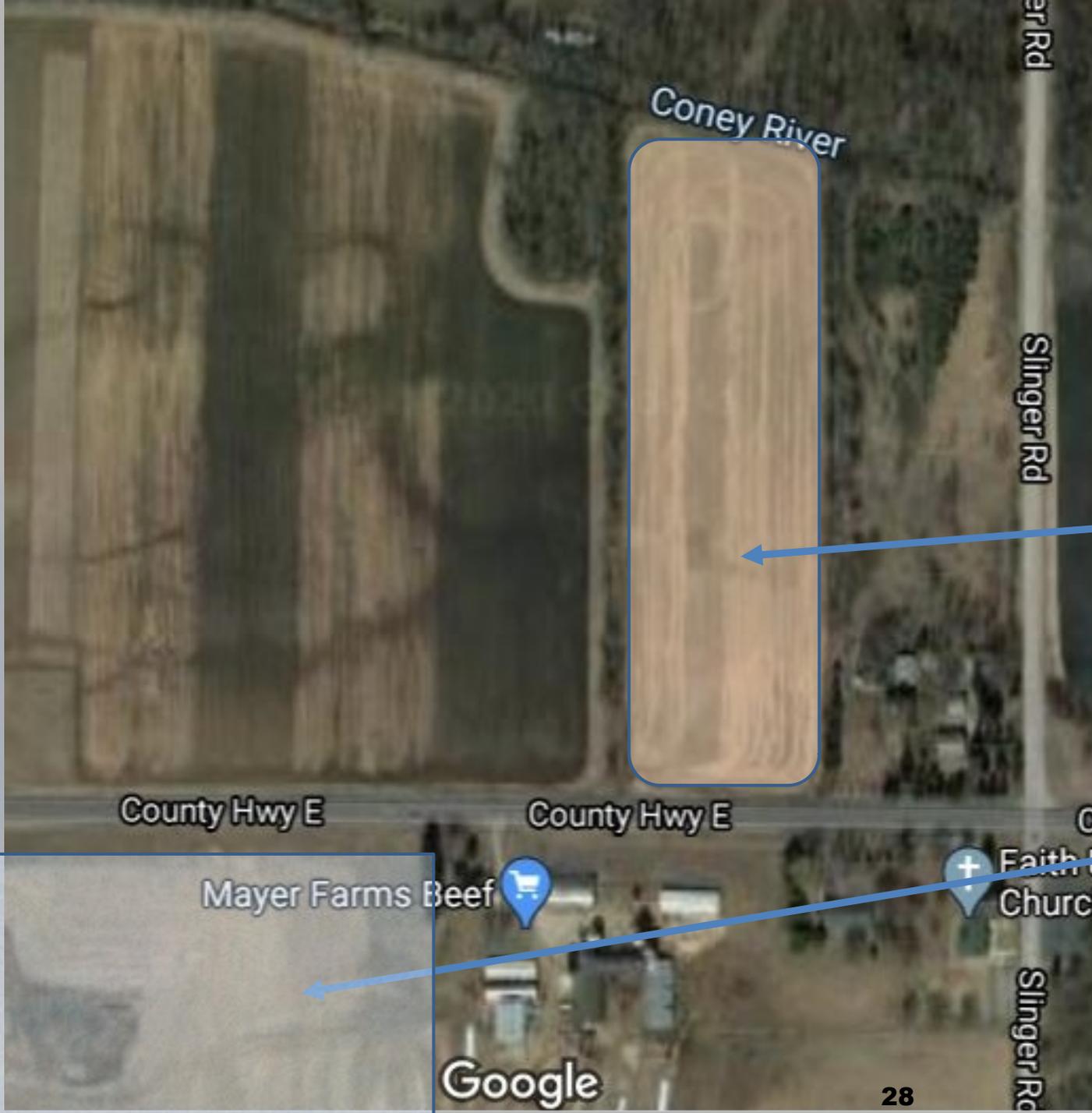
April 2018



June 2019

2019 -
2020





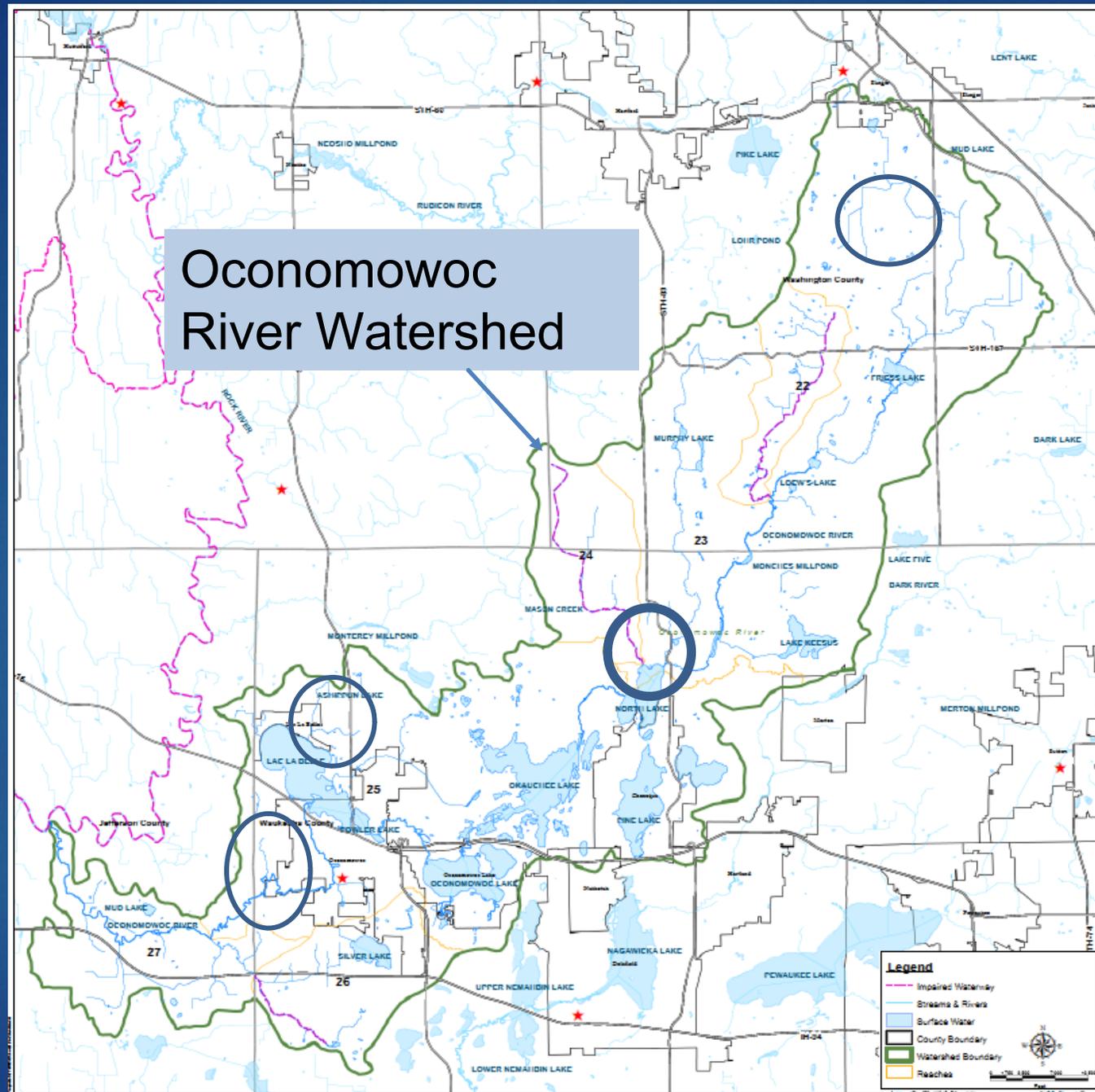
8 Acre
Conservation
cover project

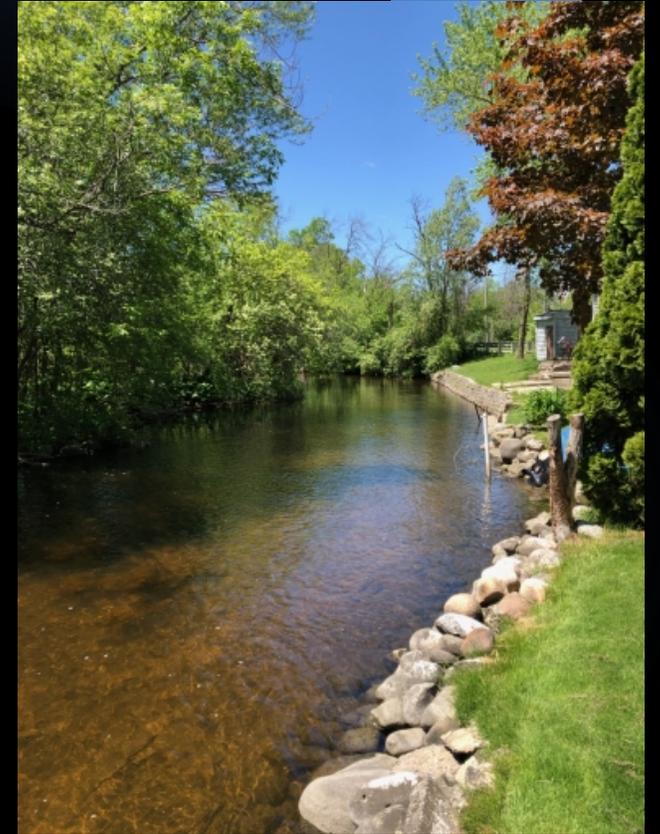
150 Acre
Agricultural
Conservation
Easement

8 acre Forage and Biomass Conservation Cover, Planted in May 2020



2019 -
2020

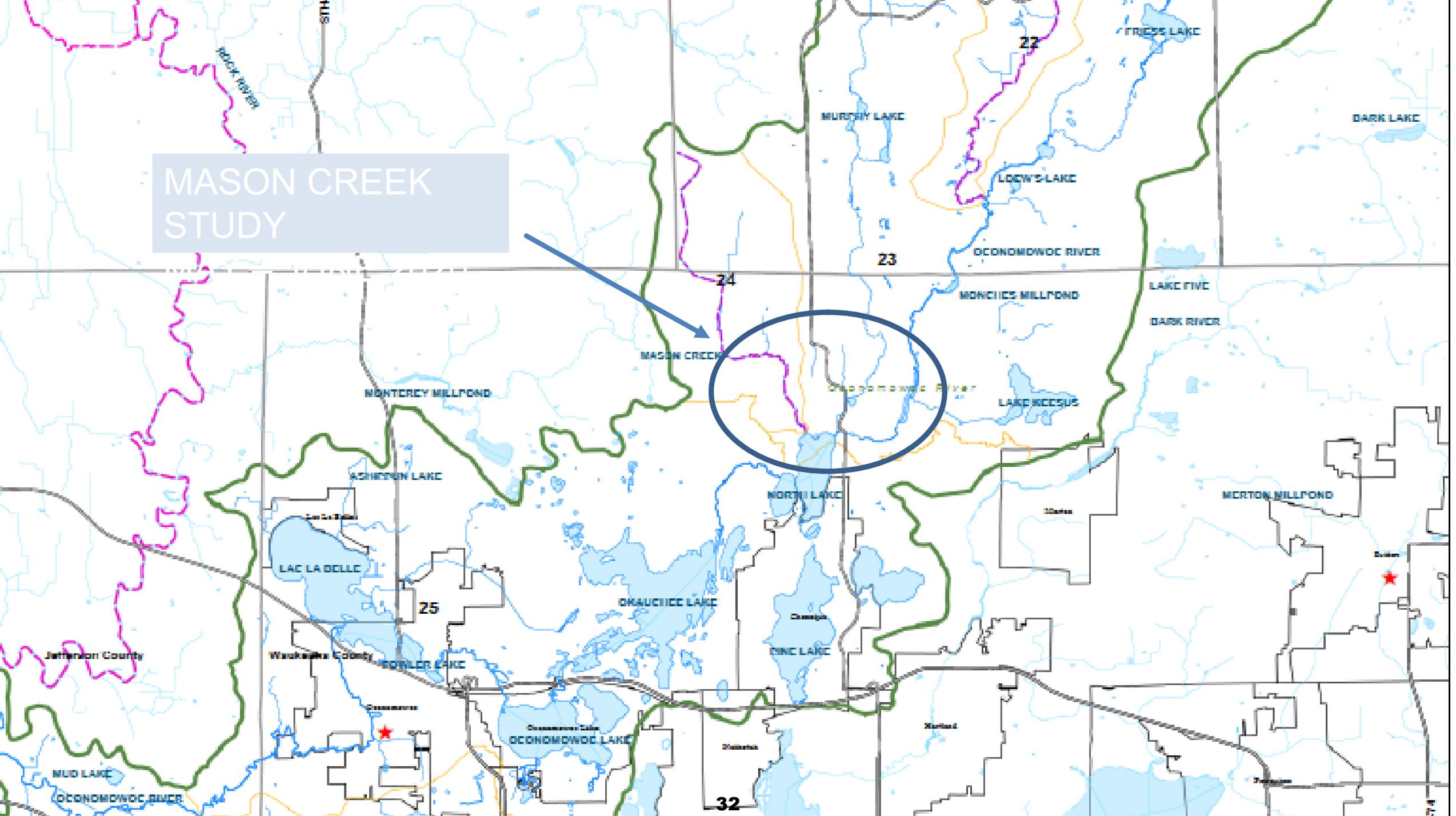


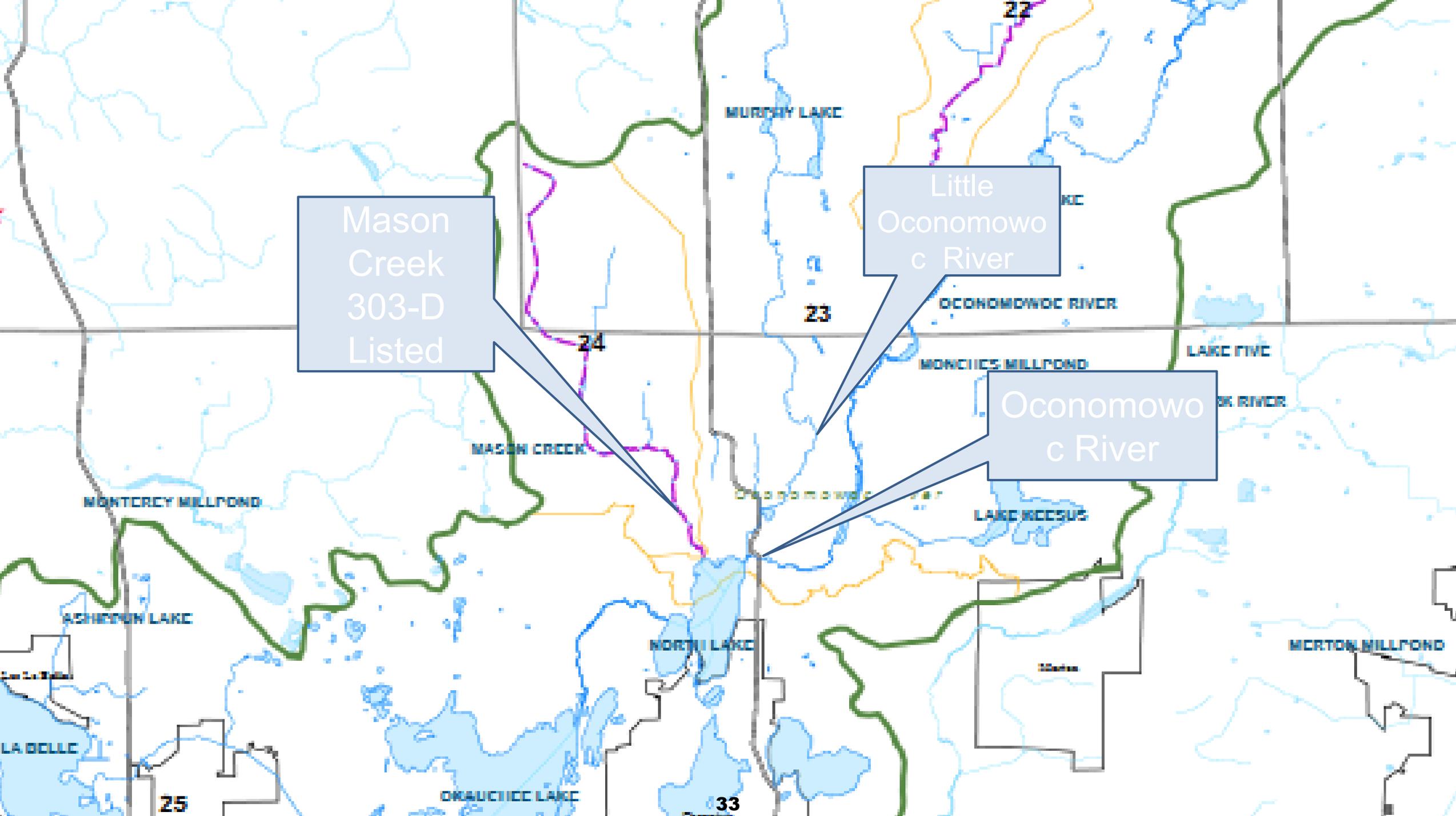


Mason Creek Study May – June 2020

Daily sampling + Flow measurement = **Total Mass Loading**

MASON CREEK STUDY





Mason
Creek
303-D
Listed

Little
Oconomowoc
River

Oconomowoc
River



Daily sampling – Phos. and
TSS

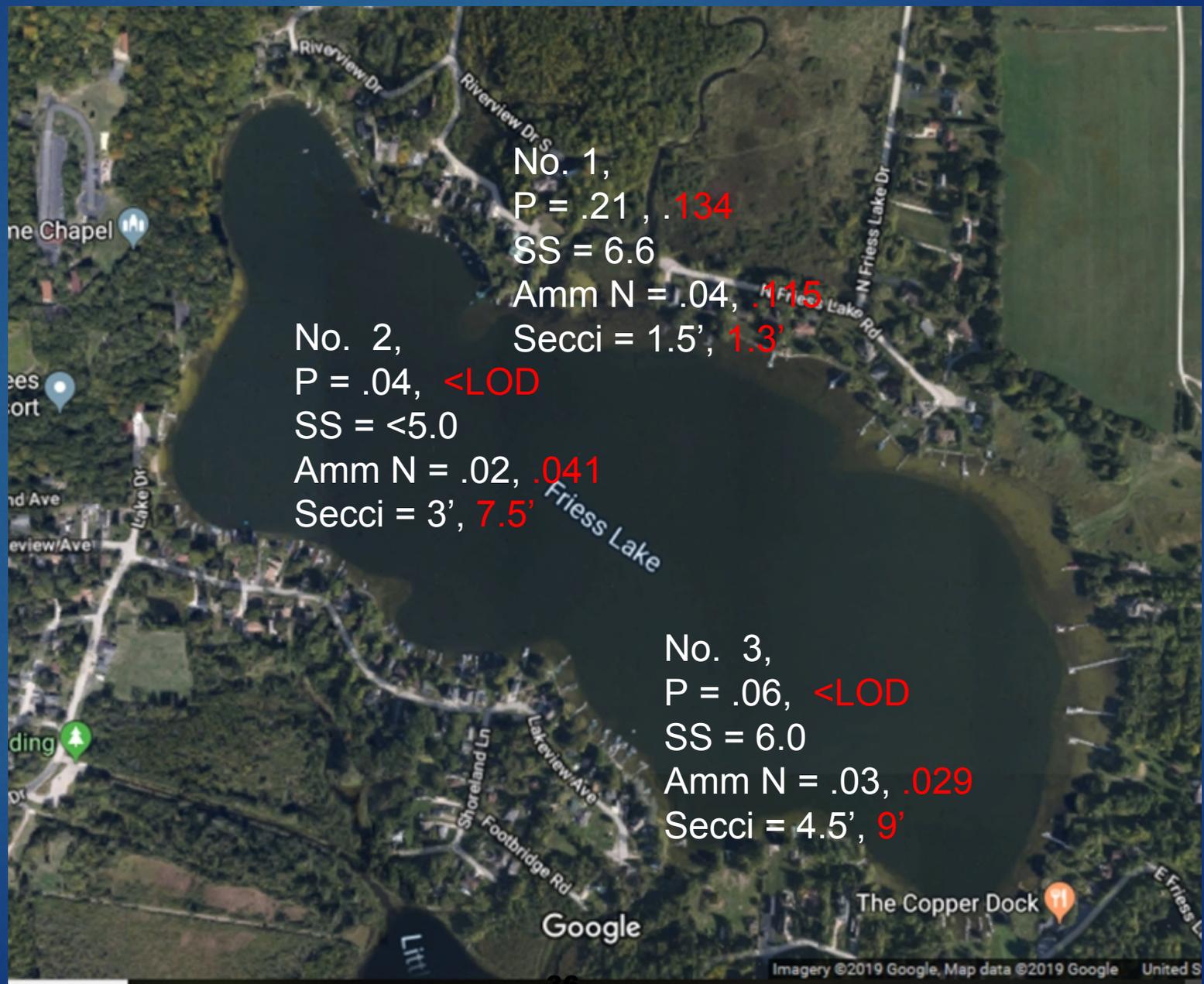
+ Flow measurement

= Total Mass Loading
into North Lake

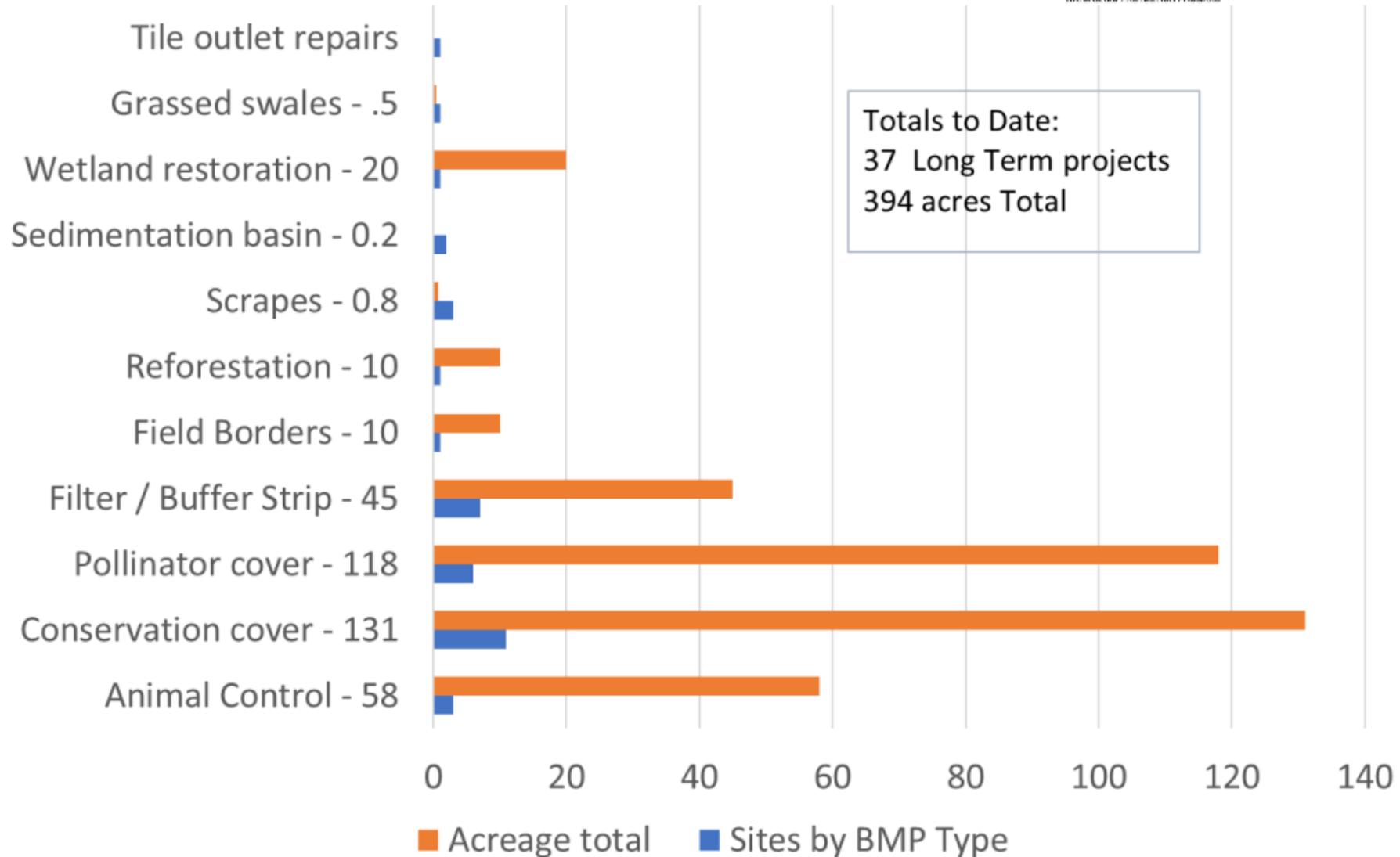
April 7th 2019 & May 6th 2020

Freiss Lake Monitoring

Meso – Eutrophic condition



Long Term Contracts BMP Type, Acreage and Sites





Soil Health Field Day August 2020

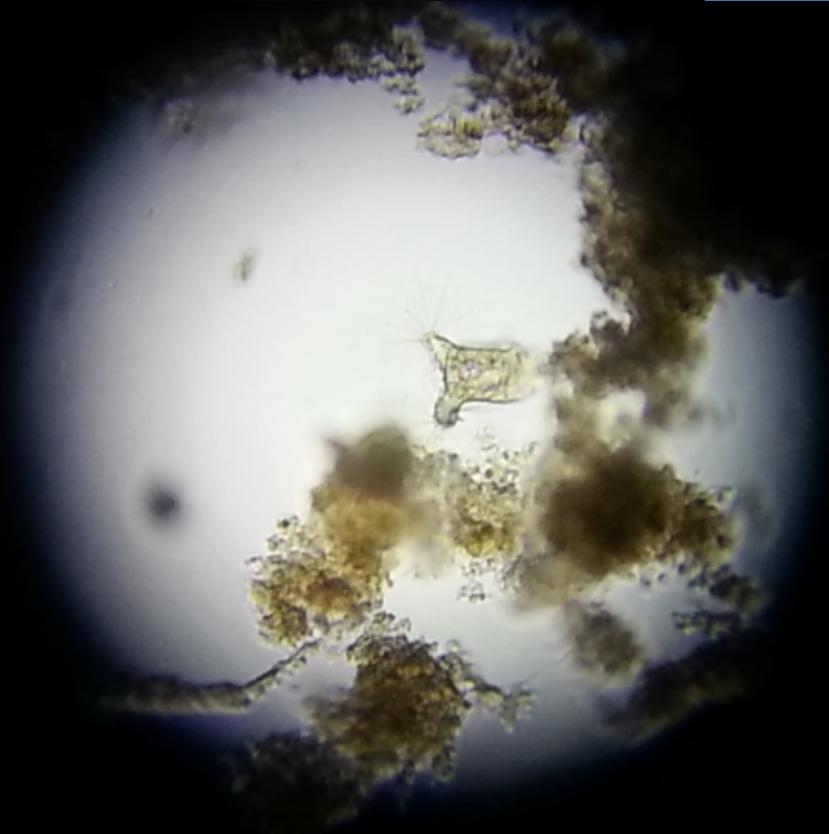




2019 Paddle Event – Fowler Lk launch



Ixonia Summer Water Quality Program
2019



Annual Paddle Event

July 18th

Hwy Q
Boat
Launch in
Monches

9:30 – 1:30





Hwy Q Launch

Volume 1, Issue 1

FROM THE WATERSHED streamings

Oconomowoc Watershed Protection Program Newsletter

**WELCOME TO THE FIRST ISSUE
OF THE OCONOMOWOC WATERSHED
PROTECTION PROGRAM (OWPP) NEWSLETTER**

Look for this publication to arrive at your mailbox or in your e-mail box two to three times per year starting in 2020. Packed with great information, this newsletter will serve as your connection to important updates and information on program progress, new practices and technology, upcoming training events, and educational opportunities.

The History of the OWPP
In 2014, the City of Oconomowoc was facing new, more stringent requirements on reducing phosphorus in the Oconomowoc River due to increasing algal blooms and surface water quality degradation across Wisconsin and the US. The options to meet the new requirements were to install new equipment with a very high price tag at the wastewater treatment plant and in the storm water system or work throughout the entire 49 mile watershed. The City recognized the clear benefits of working in the watershed and in September of 2015 the OWPP was born. The program was approved by the Wisconsin Department of Natural Resources (WDNR) under the rules of a new program called Adaptive Management. Through the Adaptive Management program, the City has partnered with many entities across Washington, Waukesha, and Jefferson counties through which the river flows. The partners in this program include government agencies, municipalities, non-profit organizations, environmental groups, agricultural groups and coops, private landowners, and federal and county land and water agencies. The overall goal

(continued on page 2)

UPCOMING EVENTS

FRI / DEC 13 / 2019
9a-2:30p
Nutrient Management Training
Hands on training for YOUR plan.

THURS / JAN 9 / 2020
9a-2:30p
Manure Application
Making sense of the regulations.

THURS / FEB 20 / 2020
6p-8p
Water Quality & Your Watershed
Oconomowoc Community Center

FRI / JUNE 5 / 2020
8th Annual
Healthy Lakes Conference

SAT / AUG 15 / 2020
12th Annual Ride to the Barns
Camp/Guard

OWPP NEWSLETTER

Debut Edition – October 2019

Thanks To Our Partners.....



oconomowocwatershed.com



Follow our progress on
oconomowocwatershed.org
farmersforlakecountry.org
tallpinesconservancy.org

OCONOMOWOC UTILITIES - VOLUME STATISTICS

	Current Month				Year To Date			
ELECTRIC	kWh Sold May-20	kWh Sold May-19	Volume Increase (Decrease)	Percent Increase (Decrease)	kWh Sold May-20	kWh Sold May-19	Volume Increase (Decrease)	Percent Increase (Decrease)
Residential	5,354,640	4,876,524	478,116	9.8%	29,237,826	29,065,677	172,149	0.6%
Commercial	1,503,248	1,684,318	(181,070)	-10.8%	9,316,590	9,634,639	(318,049)	-3.3%
Large Power	9,376,214	10,029,936	(653,722)	-6.5%	46,664,803	49,753,432	(3,088,629)	-6.2%
Public Street/Hwy Ltg.	43,928	48,718	(4,790)	-9.8%	292,971	299,048	(6,077)	-2.0%
Private Yard Lighting	2,001	3,265	(1,264)	-38.7%	13,544	24,082	(10,538)	-43.8%
Total Electric Sales	16,280,031	16,642,761	(362,730)	-2.2%	85,525,734	88,776,878	(3,251,144)	-3.7%
WATER	Gallons Sold (Thousands) May-20	Gallons Sold (Thousands) May-19	Volume Increase (Decrease)	Percent Increase (Decrease)	Gallons Sold (Thousands) May-20	Gallons Sold (Thousands) May-19	Volume Increase (Decrease)	Percent Increase (Decrease)
Residential	24,217	20,410	3,807	18.7%	109,349	102,488	6,861	6.7%
Multi Family	4,413	3,990	423	10.6%	21,385	19,557	1,828	9.3%
Commercial	8,375	10,456	(2,081)	-19.9%	43,652	48,279	(4,627)	-9.6%
Industrial	2,902	2,807	95	3.4%	13,770	14,122	(352)	-2.5%
Total Water Sales	39,907	37,663	2,244	6.0%	188,156	184,446	3,710	2.0%
WASTEWATER	Gallons Sold (Thousands) May-20	Gallons Sold (Thousands) May-19	Volume Increase (Decrease)	Percent Increase (Decrease)	Gallons Sold (Thousands) May-20	Gallons Sold (Thousands) May-19	Volume Increase (Decrease)	Percent Increase (Decrease)
Residential	24,203	20,333	3,870	19.0%	110,150	102,170	7,980	7.8%
Commercial A	10,867	12,328	(1,461)	-11.9%	57,159	58,365	(1,206)	-2.1%
Commercial B	756	1,171	(415)	-35.4%	4,633	6,423	(1,790)	-27.9%
Industrial A	1,920	1,729	191	11.0%	8,730	8,380	350	4.2%
Industrial B	803	692	111	16.0%	4,076	3,425	651	19.0%
Total Gallons Treated	38,549	36,253	2,296	6.3%	184,748	178,763	5,985	3.3%

Note: Quantities sold are amounts invoiced during the month. Due to the timing of billing cycles, the amounts may not match consumption during the calendar month.

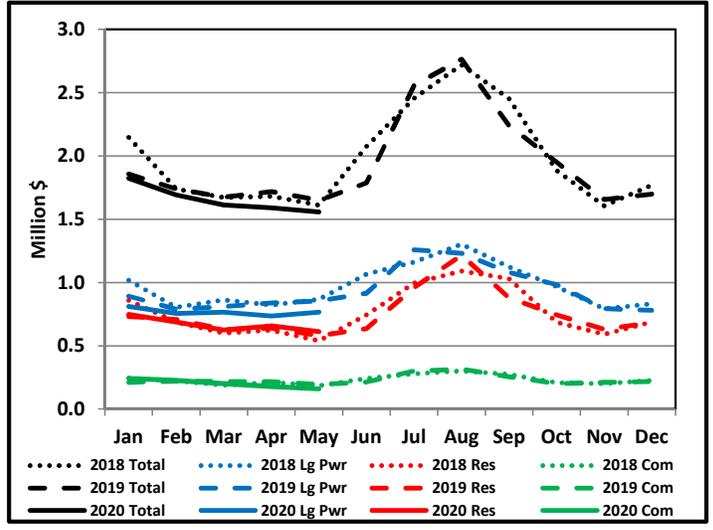
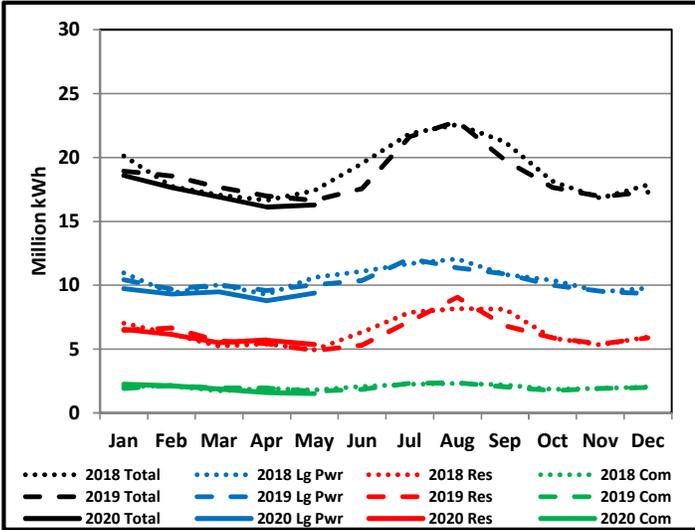
Y:\Utility Billing\Sales for Committee.xlsx\CommSummary

Oconomowoc Utilities: Monthly Volume & Revenue Summary

Metered Volume Units

Metered Revenue Dollars

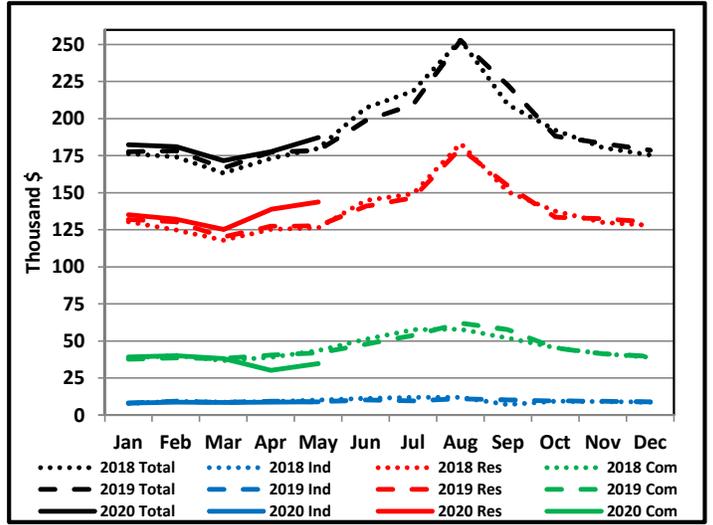
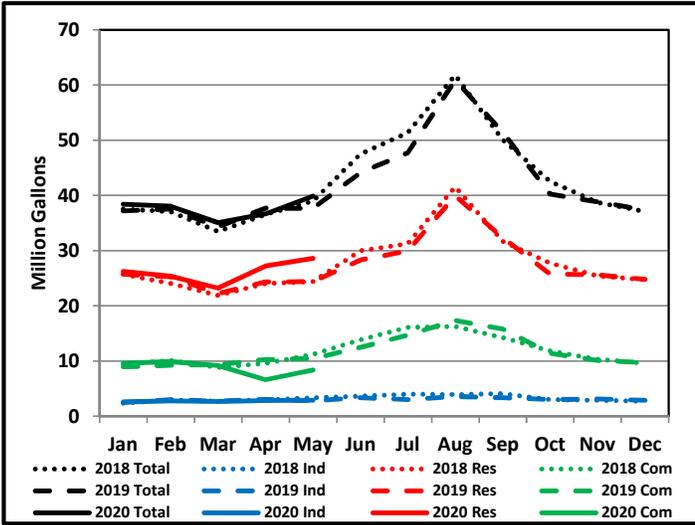
Electric



Note: Charts exclude non-metered revenue (pole attachments, etc.)

Note: Quantities represent amounts invoiced. Due to timing of mid-month billing cycles, line-loss, etc., amounts will differ from volume purchased from WPPI.

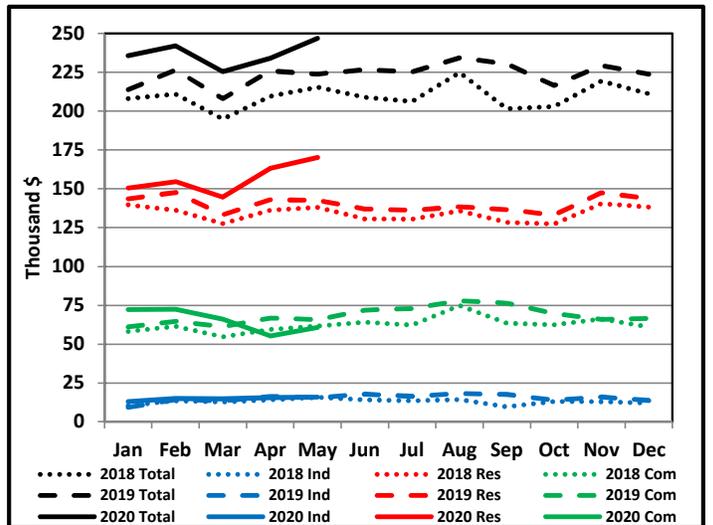
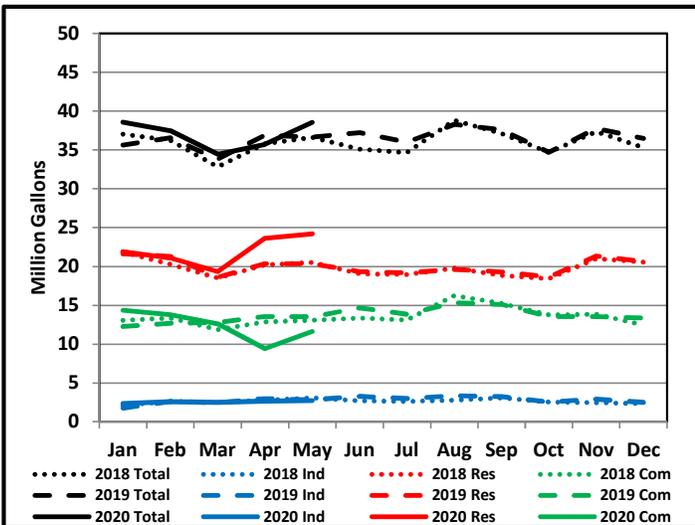
Water



Note: Charts exclude non-metered revenue (fire protection, etc.)

Note: Quantities represent amounts invoiced. Due to timing of mid-month billing cycles, main-breaks, etc., amounts will differ from volume pumped at well sites.

Wastewater



Note: Charts exclude adjoining sanitary districts and non-metered revenue (septic disposal, etc.)

Note: Quantities represent amounts invoiced. Due to timing of mid-month billing cycles, external sanitary districts, rain-seepage, etc., amounts will differ from volume received at treatment facility.

COMMITTEE REPORT – April 2020 Utility Billing



- **COVID-19 Impact: Utility Consumption** – As noted last month, the volume table and accompanying charts continue to reflect the impact of the pandemic. The change is most notable in the shift in usage to residential that is slightly larger than the decrease in consumption from commercial customers. The year to date decrease in total electric consumption is mostly from our large power customers, who have been using less power this year even before the pandemic.
- **COVID-19 Impact: Delinquent Customers** – The total amount of past due balances is significantly higher than last year. For residential customers, the amount past due is about \$287k, compared to \$149k last year. However, the number of residential customers with a past due balance is actually slightly lower. This tells us that the majority of customers that typically pay on a regular basis are continuing to do so. Many of the past due customers have a balance that pre-dates the pandemic.

We have been closely following the recent proceedings from the Public Service Commission. On June 11th the PSC voted to establish a process for reinstating customer late fees and disconnections. Starting on July 15th, utilities can resume issuing 10-day disconnection notices. In addition, late fees can be charged on past due balances incurred after July 15th. Our billing system does not currently have the ability to charge a fee only on part of a customer's delinquent balance. We are actively working with our partners at WPPI and MEUW for guidance on how to proceed with late charges.

For our customers, disconnections could begin the week of July 27th. The week of June 22nd, we plan on mailing an advance notice to customers of the upcoming reinstatement of late fees and potential disconnection procedures. Customers will be encouraged to make payments or contact us to make agreed upon payment arrangements. The letter will also include reminders of potential payment assistance programs and notification of customers' right to contact the PSC.

- **“MyAccount” implementation** – We are making preparations for the launch of the “MyAccount” utility customer internet portal planned for July 14th. Staff detail training will take place on June 25th. An insert will be included with July invoices (attached). Customers that have previously paid online by using Payment Service Network (PSN) will be sent e-mail notices because that service method will change. The new service will be promoted on the city website and with social media communications.
- **Water Rate Adjustment** – I have started the process of accumulating data required to apply to the PSC for a water rate adjustment. This is a multi-step process to determine the future financial needs of the water utility. At a future Utility Committee meeting, we will request authorization to formally submit the application to the PSC. The PSC is the governing entity that makes the final determination of utility rates. The last water rate adjustment was in September 2011. Since that time the utility has worked hard to minimize overall expenses and serve a growing customer base despite a reduction in the quantity of water sold. The impact of any rate adjustment would likely not occur until 2021.

John Schuh, CPA
Utility Accounting Manager

TAKE ACTION.

EASILY MANAGE YOUR ENERGY AND WATER USE

Now you have the ability to view your energy and water use and pay your bill using our online account management tool. With MyAccount you can spot trends, track your usage and even take part in energy-related challenges. Includes easy online bill pay too.

DATA WHEREVER YOU ARE

Access data across all of your devices and stay up-to-date even when you're out of town.

TRACK AND COMPARE YOUR USAGE

Track your usage against local weather conditions and see how it compares to previous months and years.

ONLINE BILL PAY

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Shared strength through  WPPI Energy

COMMITTEE REPORT – June 2020
Electric Utility



The following **projects** have been completed by June 11, 2020

- Voltage conversion on Thompson Street and new Police Station
- Street lighting on Celtic Pass at Weston Meadows Subdivision
- Street lighting on Goldenrod Way at Prairie Creek Subdivision
- Cable replacement on Second Street in the Industrial Park on West end of city

Services:

- Crews completed 8 new service tickets.
- Customer calls: (*tickets that are not planned and affect scheduled work.*) 9, to include DC/RC, miscellaneous problems, service relocates, trouble calls that are not OMU's
- Crews repaired four underground service faults (breaks), and two primary underground faults
- **Street Light Tickets: 1**

Traffic control lights:

- None

Major projects that have been started:

- Install three phase to The Evin at 1101 S Silver Lake Street
- Street Projects- Forest Street bury overhead feeder circuit 84
- Cable injection replacement on Westover, Fredrick Court, and Bolson Drive
- Obtaining bids on Wisconsin Avenue Substation decommissioning
- Currently doing infrared scans of distribution system



COMMITTEE REPORT- June - 2020

Water Utility

The following are updates for ongoing projects:

- Well 8 Pumping Station – engineering design and bid services (Strand Assoc)
 - Strand continues progress on preliminary engineering and well design

- Water Tower Maintenance Program
 - Painting complete, restoration at site remains

- Cross Connection Control Program
 - Preparing RFQ to renew annual contract

- Powerhouse Building
 - Roof replacement RFQ being prepared
 - Coordinate transformer removal with OU staff

Customer Interactions:

- 25 new meters were installed and 2 meter issues were addressed

Training:

- MEUW – classroom sessions resume
 - Confined space
 - Forklift recertification

Specialty Work:

- Lead & Copper water sampling prep
 - Search for additional lead/lead only lateral sites per WDNR telcon

- Hydrant flushing complete
 - 789 hydrants inspected, 12.38 million gallons (MG) volume flushed

- Annual Water Quality Report (CCR) – delivered

Respectfully submitted:

Scott Osborn P.E.

Water Superintendent

Wastewater Operations Summary

June 2020

Precipitation for May 2020 was 4.68" and as of June 11, 2020 we had 1.28". The Influent flow average for May was 3.091 MGD. The average flow for June 2020 is 3.070 MGD.

Permit parameters for May are as follows:

Parameter	Influent	Effluent	Permit Limits	% Reduction
BOD - mg/l	185	2.1	15	98.8%
TSS - mg/l	191	1.0	15	99.4%
Phos. - mg/l	4.24	.68	0.95	84.0%
Fecal - col/100ml	X	1	400#/100ml	X
Amm. N - mg/l	16.9	.14	N/A	98.9%

WPDES Permit is out for Public Comment, WDNR is preparing to issue the permit October 1, 2020. This is a 5 Year permit with Adaptive Management and a Chloride Variance included

SCADA system upgrade is complete with minor issues to finish.

Digester cover / HVAC project kick-off meeting was on June 10, 2020.

Project Background/Review

- Design Summary – replacement of components that were part of 1976 construction
 - o Primary digester mixing system
 - o Primary digester cover
 - o Boiler/heat exchanger
 - o HVAC system

Discussion Items

1) Digester mixing system evaluation

- Draft tube mixers (top mounted) (Ovivo, WesTech, Olympus)
- Linear motion mixers (Ovivo)
- Top-entry turbine mixers (Walker, Lightnin)
- Pumped recirculation (Evoqua Jet Mix, Vaughan Rota-mix, Landia Gas-Mix)

2) Primary Digester cover evaluation

- Duo-deck floating cover (with attic space) (Evoqua, Walker)

- Radial beam (WesTech, Ovivo)
- Existing cover condition assessment

3) Combination boiler / heat exchangers

- Evoqua, Walker, WesTech
- Sludge wasting schedules (WAS and PSD)
- Boiler sizing / sludge heating capacity
- Building heating loads

4) Building HVAC Modifications

5) Construction sequencing considerations