



2020 Lake District Annual Meeting

August 1, 2020

9:00am

Twin Lakes Village Hall, 108 E. Main St., Twin Lakes, WI



PUBLIC SERVICE ANNOUNCEMENT

The Village of Twin Lakes is working to reduce Chlorides at our Wastewater Treatment Plant as we face strict DNR regulations. One of the leading causes of high Chlorides in our wastewater is from **RESIDENTIAL WATER SOFTENER SYSTEMS.**

PLEASE check your water softener settings at your lake home. Water softeners should regenerate WEEKLY with weekend-only usage. Newer models now offer On-Demand regeneration to help reduce salt usage.

Reducing salt usage not only saves YOU money, but it will save the Village from paying penalties and/or purchasing ~\$5M Chloride-Removal equipment that would cause increased sewer bill rates.

THANK YOU in advance for taking the 5 minutes to check your water softener settings when you get home today. Feel free to call Culligan, Clean Water Solutions, or the Village Sewer Plant for assistance with reviewing your settings and making environmentally-friendly adjustments!

TODAY'S AGENDA:

1. Call to Order
2. Pledge of Allegiance
3. Approval of Minutes- 2019 Annual Mtg.
4. Committee Reports and Presentations
5. Nominations and Election of members of the various committees
6. Public Hearing on District Budget
7. Motion to approve specific large projects
 - a. Motion to approve the Aquatic Plant Treatment (\$15,000)
 - b. Motion to approve Stormwater improvements (\$42,000)
8. Motion to approve 2020 Tax Levy
9. Motion to approve the 2021 Budget
10. Establish 2021 Annual Meeting Date
11. Elector/Public Comments
12. Adjournment

1. Committee Reports

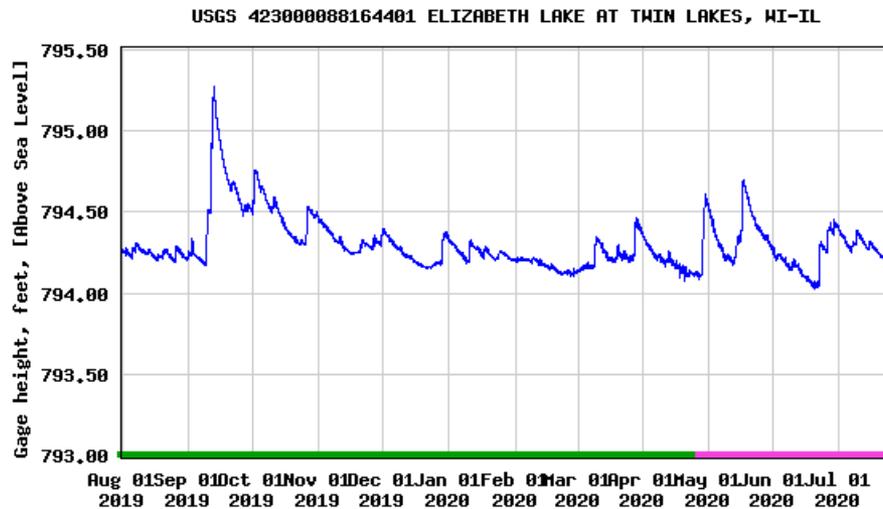
Lake Levels Communication



- Gage height
- Period of approved data
- ▲ Value affected by equipment malfunction.
- Period of provisional data
- Peak of record stage



- Gage height
- Period of approved data
- Period of provisional data



- Gage height
- Period of approved data
- Period of provisional data

Lake Levels

- The US Geological Survey (USGS) has established two lake level monitoring devices: at the spillway and on Lake Elizabeth. The USGS installed and monitors these devices and reports the data via satellite to the National Water Info System. All data is reported in real time online.
- www.villageoftwinlakes.net click on “Residents” or “Visitors” and “Lake Info”

Lake Info

Effective September 2019, the Twin Lakes Lake Protection & Rehabilitation District contracted with the US Geological Survey (USGS) for lake level data collection and monitoring. Current lake level data is being collected every 4 hours via two USGS devices: one at the spillway in McHenry County, IL and the other at Sunset Beach on the southwest end of Lake Elizabeth. Lake level data can be found here:

[SUNSET BEACH LAKE LEVEL DATA](#)

[SPILLWAY LAKE LEVEL DATA](#)



Click here for SNW data

[CURRENT SPILLWAY CONDITIONS](#)

Per Village Code, Slow No Wake goes into effect when the level at the spillway reaches 794.5' above sea level. The website and [Village Facebook page](#) will be updated regularly throughout any Slow No Wake periods. Slow No Wake Level is the level at which the lakes are closed to activities creating wakes.



SPILWAY PICTURE

7/31/2020

Subscribe to USGS WaterAlert!

- The public can subscribe to the USGS WaterAlert system and receive a text or email when lake levels reach Slow No Wake levels.
 - See the Slow No Wake Regulations brochure or Village Website for directions on how to sign up!

The image shows a screenshot of the USGS WaterAlert website. On the left, there's a search interface with options like 'Select Location', 'Search by Street Address', 'Search by Place Name', 'Search by Site Number(s)', 'Search by State/Territory', and 'Search by Watershed Region'. A blue arrow points to the 'Search by Site Number(s)' field, which contains the text 'Site Number: 05548185'. In the center, a map shows Elizabeth Lake with a 'Site Information' popup window. The popup contains details: 'Site Number: 05548185', 'Site Name: ELIZABETH LAKE DRAIN NR TWIN LAKES, WI-D', 'Site Type: Stream', 'Agency: USGS', 'Access Data', 'Stage: 794.59 ft on 2019-05-23 at 08:30 CST (7010 240579)', and a 'Subscribe to DataAlert' button. A blue arrow points to this button. On the right, the 'Subscription Form' is displayed. It has sections for 'Site Info' (Number: 05548185, Name: ELIZABETH LAKE DRAIN NR TWIN LAKES, WI-IL, Agency: USGS, Transaction ID: jfrd@), 'Send Notification To:' (with radio buttons for 'My mobile phone' and 'My email address'), 'Notification Frequency:' (with radio buttons for 'Hourly' and 'Daily'), 'Streamflow Parameter(s):' (Gage height, [Above Sea Level] in ft, Recent value: 794.19), and 'Alert Threshold Condition:' (with radio buttons for 'Greater than (>)', 'Less than (<)', 'Outside a range (< or >)', and 'Inside a range (> and <)'). A blue arrow points to the 'Send Notification To:' section with the text 'Pick your notification method'. Another blue arrow points to the 'Alert Threshold Condition:' section with the text 'ft 794.5 is Slow No Wake'. At the bottom of the form are 'Submit', 'Reset', and 'Cancel' buttons.

Boat Safety and User Conflict

- Creating and re-prioritizing water safety within Village
- Changing of police boats over to Safety Patrol
- Hiring and training seven new Officers
- As of July 22 we have 982 patrol hours on the water
- 58 and 15 Citaions
- Introducing and passing of 50 mph speed limit
- Creation of Slow No Wake with RED FLAGS
- Creation of Slow No Wake at 8:30 am and sunset with flasing lights on safety patrol boat.
- Recommendation of moving the Village towards Slow No Wake at Sunset Beach
- Creating boat traffic lanes in the middle for surf boats.

Committee Reports

Storm Water Management and Non-Point Pollution Mitigation

Goal: Clean Lakes, Objective: Reduce Sediment
Run-off



56 Ten-Ton Dump Trucks
of Dirt/Year

Twin Lakes Protection & Rehabilitation District Storm Water Management & Non-Point Pollution Mitigation Committee

“Stop the Run-Off Committee”

- 2019 Farm Program

- 2nd year of implementation
- Two farms, 6 acres of high potential erosion land
- Now seeded as grassy swale in lieu of row crops

- Area near Main Street

- 1 acre seeded in grass
- Check dam scheduled for next year

- Additional 4 acres committed

- Grass swale to be laid out on farm land
- COVID has caused reschedule 'til next year

- More to come!

*Jim Baxa and Bob Livingston also on committee

*Town & Country Engineering, acting consultant

Pamphlet

- Create awareness of Village codes & report violations

Village Code Inspection and Enforcement - Construction

- Stan Clause Jr., Twin Lakes Public Works Forman,
-Has role of Village Inspector for Storm Water
Management and Non-Point Pollution
Mitigation

- Identifies code violations causing disruptions to
our Lakes
(Village Ordinance 2008-11-02 Erosion Control
Practices)

- Citations and fines applicable according to Village
Codes

- Stan's role has been approved by the Village
Board

Committee Reports

Water Quality, Lake Habitat, Fish & Fishing

FISH STOCKING

The DNR stocked 14,489 Walleye on Lake Elizabeth and 3,395 Walleye on Lake Mary in 2019.

The Lake District 2,399 Yellow Perch on Lake Elizabeth and 1,200 yellow Perch on Lake Mary in 2019.

The DNR is planning the following stocking efforts for 2020:

Elizabeth / Mary Northern Pike

Lake District \$5000 of Yellow Perch per direction of DNR

These quotas should be stocked somewhere between late September and mid-October.



Committee Reports

Aquatic Plants, Natural & Invasive Species

In May 2020, Wisconsin Lake & Pond treated for Eurasian Water Milfoil.

For the early season treatment for EWM control 12.4 acres on Elizabeth and 2.85 acres on Mary were treated.

Wisconsin Lake & Pond was recently out for a follow up nuisance control application for select areas on Elizabeth on July 15. They did 3.5 acres for nuisance control in the narrow channel, select lanes in front of Wayne Ratay's and neighbors, and another area in the northeast.

Per the Lake Districts request, Wisconsin Lake & Pond is not planning on a late season AIS survey. Anecdotally, they did take a quick look at the Ewm areas on Elizabeth during my last visit and was happy with the results. Especially the treatment area by the boat launch as I did not see any EWM, but the native species were thriving (which is what Wisconsin was aiming for).

Committee Reports

Shoreline Protection and Rehabilitation

McHenry County Conservation District has agreed to regular monitoring of the channel to ensure no blockages are restricting water flow to the spillway. Since late summer 2018 they have been going down the channel and reporting findings every few weeks (May- September).

The Lake District has contracted with SEWRPC, the Village Engineer and a contracted Hydrologist to perform the following studies:

1. Spillway study was approved earlier this year. It has been delayed due to Covid. Presentation will be scheduled with Steering Committee
2. Lake level monitoring device options
3. Evaluate water levels and shoreline damage caused by ice push

Steering Committee find a way to dredge channel between the lakes



3. Nominations and Election of members of the various committees

4. Public Hearing on District Budget

Any comments/questions/suggested changes to the **BUDGET ONLY** should be shared at this time.

Please state your name and address for the record before sharing your comments.

5. Motion to approve specific large projects

a. Motion to approve Aquatic Plant Treatment:
\$15,000

b. Motion to approve Storm water
Improvements: \$42,000





- Without performing any site visits or having any permit requirements available to us, I can just give you a ballpark estimate for the project. This should help with your discussion and budgeting process.

- 50CY to 120 CY of insitu material under a 50CY dredging permit -

• Dredging Services	\$13,000
• Permit Process, fees, reporting testing	\$ 1,200
• Removing dewatered sediment to off site	\$ 6,480
•	-----
•	\$20,680

- >120CY to 220 CY of insitu material under Individual dredging permit -

• Dredging Services	\$19,000
• Permit Process, fees, reporting testing	\$ 2,000
• Sediment testing if required - \$500/test	\$ 1,000
• Removing dewatered sediment to off site	\$ 8,640
•	-----
•	\$30,640

- Our Services

- Contact Us

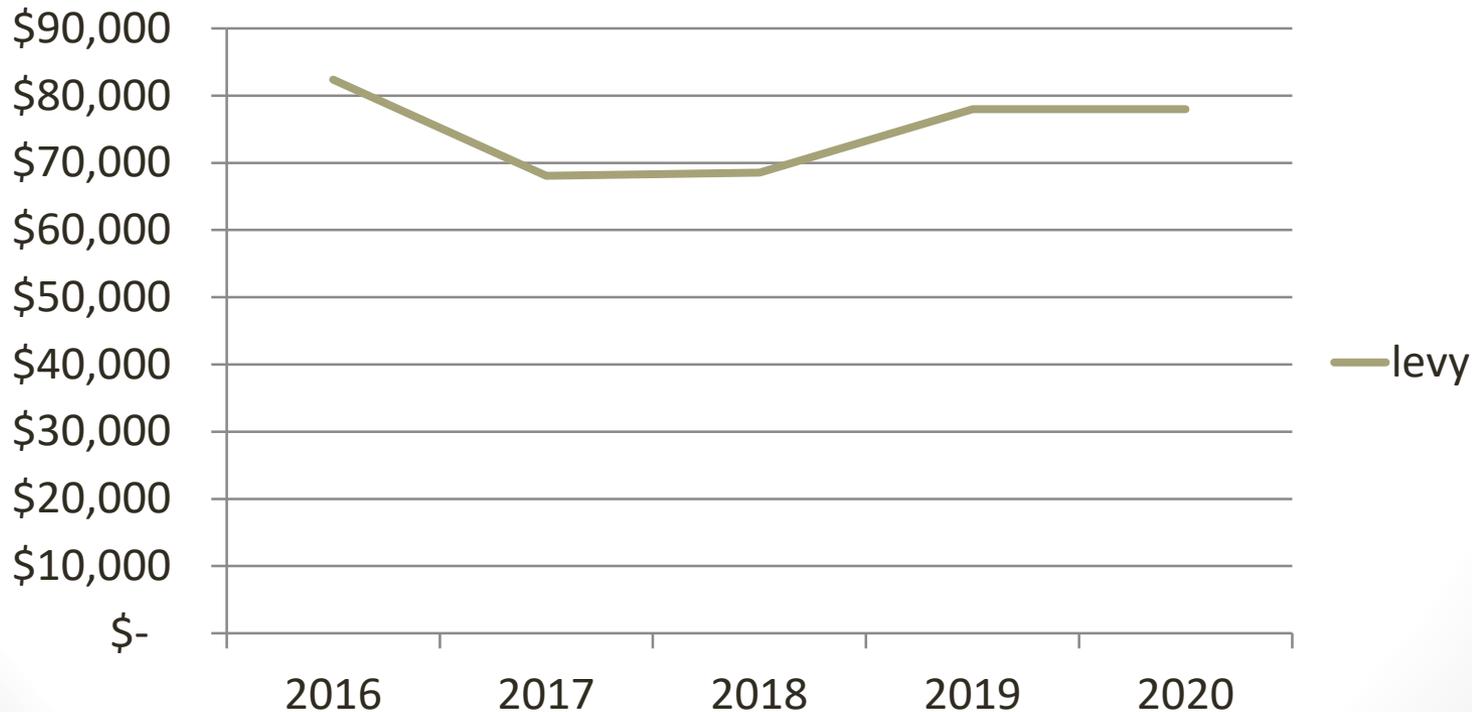
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Asked Questions

6. 2020 Levy

The proposed 2020 levy will remain the same as 2019/20 at \$78,000.

Lake District Levy History



7. 2020 Budget

Based on an District-wide assessed value of approximately \$710,000,000

for 2020 the average cost to a property owner would be: (based on proposed budget/levy)

	<u>2020</u>
Cost for \$150,000 Property	\$16.50
Cost for \$250,000 Property	\$27.50
Cost for \$500,000 Property	\$55.00
Cost for \$750,000 Property	\$82.50
Cost for \$1,000,000 Property	\$110.00
Cost for \$1,250,000 Property	\$137.50

8. Establish 2021 Annual Meeting Date

Saturday, July 19, 2021
9:00AM

Village Hall or Lakewood?

9. Elector/Public Comments

Any Comments?

Please state your name and address for the record.

10. MOTION TO ADJOURN

THANK YOU FOR
COMING

Next Meeting:

Saturday, Aug 7, 2021

9:00AM