

## **END OF SEASON (10/19/19) LAKE FACTS by Mike Backus**

### **Water Level**

\*The rains continued! Since 3/25/19 my property got 30.03" of rain as of 10/12/19! I guess we should be thankful for the Madison area got more than we did.

\*Lake level since 5/27 had been down -4" at one point this summer but ended the season at +1.5" on 10/08.

### **Water Clarity**

\*Lake was tested 15 times (tested 13 times in 2018)

\*The best clarity reading was 18' (30' was the best in 2018)

\*2019 season avg. reading was 15'

\*2018 season avg. reading was 16'

\*Water clarity Aug/Sept 2019 was much better than 2018 Aug/Sept which is when the lake reached its all-time high from the massive rains. Those rains introduced a lot of bad stuff into the lake.

### **Boat Census**

\*A surprise to no one, the type and number of watercraft counted in Sept 2019 was MUCH different than 2018 because of the NO WAKE rule

\*See full results on [jlrpd.org](http://jlrpd.org)

### **EWM Treatment**

\*First done on June 6 but was ineffective

\*Second treatment done on Sept 10 was much more effective

\*Significant amount of EWM remains

### **Zebra Mussel Monitoring**

\*Two DNR Zebra Mussel Sampler traps were installed on 5/23 at different points in the lake

\*Samplers were removed on 9/24/19 and NO MUSSELS were found!

### **Clean Boats/Clean Water**

\*The Board thanks Laura and Mark Shaw for another good season of coordinating the CB/CW program. We also thank all of those who took the time and effort to help on monitoring the landing. See the end of year info on [jlripd.org](http://jlripd.org)

### **Phosphorus/Chlorophyll**

\*The 2019 results of the season Phosphorus and Chlorophyll testing are in the books. The Phosphorus level in 2019 was just slightly higher than it was in 2018.

\*The Chlorophyll level was a little lower than in 2018, but that was probably because the water temps were not as warm this year.

### **Official Lake Elevation**

\*Adams County thus far has not had the time nor resources to take an official lake elevation like I requested. I wanted a professional reading so we would have an official reading to be compared to that taken in 2018.

### **New in 2020**

\*For years in Wisconsin satellite imagery has been used to infer water clarity by comparing satellite images with the Secchi depth measurements I take for our lake. Starting in 2020 satellite sensors in orbit may be able to infer the concentrations of Chlorophyll. The sensors will be “tuned” based on the ‘on the lake’ readings I report monthly during the summer.