



LRPD Annual Meeting 2016

Water Quality Report

Why is Water Quality Important?

- Good water quality = healthy lake.
- Healthy lake = good/stable property values.
- Healthy lake supports the ecosystem; fish wildlife, beauty, environment, and quality of life.
- Healthy lake supports the local economy, tax base, schools, and services.
- Healthy lake means fun; water sports, fishing, boating, and socializing.

The Good News Is!!!

- NO algae blooms recently.
- NO blue green toxic algae blooms.
- Eurasian milfoil is being controlled.
- Water quality has been good all year.
- No new invasive species have been reported.
- Fishing and recreation have not been negatively affected by water quality.

What Does the LRPD do to Maintain Water Quality?

- Volunteers take water samples from three lake locations and watershed streams.
- This year we received a small lake-planning grant to organize and research all the studies done on the lake.
- We have a water quality committee.
- We are working with our consultant to develop the long term lake management plan.

What do We Measure?

- Water clarity with a Secchi Disk.
- Surface Chlorophyll.
- Surface phosphorous and bottom phosphorous.
- Oxygen and temperature levels at two foot intervals from the surface to the bottom.
- From the streams we measure sediment, phosphorous, and chlorophyll.

How do we use the data?

- Sampling is like taking the lake's vital signs.
- Variances might require action.
- The data supports our applications on grants and DNR applications for permits.
- Data educates us about the seasonal changes happening in the lake and streams. i.e. stratification, phosphorous in the water column, increase in algae (chlorophyll), water clarity, etc.

Opportunities and Challenges

- We are in an agricultural watershed.
- People want to enjoy the lake in different ways, and may disagree on how to manage the lake.
- Regulations, permits, time, money, changing laws, etc.
- Dredging, weeds, the dam, working with our “partners”; (counties, DNR, Town of La Valle, Feds, State, and working with our neighbors and farmers, etc.)

In Conclusion

- We have a lot of irons in the fire.
- We are fortunate to have a LRPD which was formed in the 70' s.
- Many people have invested a lot of time and money in this lake, thankfully.
- We are trying to move forward in a responsible manner.
- Come to our meetings, give us your input.
- Finally, Thanks to Jim Mercier for 12 years.