

## **Iowater Standing Water Assessment For annual Meeting**

The second water assessment for year 2017 was conducted on 6/7/17 and results for chemical testing is in line with **all** previous testing done in 2015/16.

Results for pH, Nitrites/nitrates, dissolved oxygen, phosphates and chloride are nearly identical to previous testing and all are well below Iowa standards for standing water.

Our water is chemically in very good shape.

However there is an abnormal amount of shoreline and floating vegetation growth this year that is unsightly but harmless. The main bodies of the lake both east and west and the mouths of the bays seem to have less shoreline growth probably due to more aggressive agitation caused by boat traffic.

The grass carp made their annual appearance and cleaned up a very large part of the mossy growth.

There also is a slight algae stain in the water that in slow moving areas is starting to gather into very small algae mats. This situation needs to be monitored and reported to Ponderosa Utilities if it gets out of hand.

Proof of this is the reduction of water clarity using the Secchi disk reading. A Secchi disk is a 8" disk colored with black and white sections that has a attached scale and is lowered into the water until it can no longer be seen and notations are made of the depth.

Readings made on 5/9/17 for site 1 was 1.4 meters, 6/7/17 was .7, site 2 was 1.6 meters and now is .7, site 3 was 2.2meters and now is 1.4 That's a big change in only one month.

So algae is present and as you see can be monitored.

All said and done our water is safe just not as pretty as we would want.