2025

Jerry Arrendale *jerrya@pcsouth.org* *jarrendale@sbcglobal.net*

These notes do not replace our voice or text communications during or just after my visits that are intended to communicate any more urgent or time relevant concerns. This communication is intended to help further communicate to other lake stakeholders who may be interested. Leisure Ponds does provide a Detailed Yearly Report and monthly Data Sheets can be made available.

Lake notes from my Lake Visits in July and August

July 2025

Lake 1: Small Lake
At the time of my visit the lake was milky black looking - OK. Nutrient levels were slightly elevated for phosphorous and low for nitrogen. Very Good.

Lake 2: Large Middle Lake
Milky slightly greenish black looking - OK.
The planktonic blue green algae visible last month were no longer present.
Nutrients were elevated for phosphorous low for nitrogen.

Lake 3:
At the time of my visit Lake Superior was milky slightly greenish - OK.
Nutrient levels were elevated for phosphorous and low for nitrogen again this month.
Some Creeping Water primrose was growing along the shoreline.

August 2025

Lake 1: Small Lake
Milky black looking like previous months - OK. Nutrient levels were high for phosphorous and elevated for nitrogen.

Lake 2: Large Middle Lake
Milky slightly greenish looking - OK.
Nutrients for both phosphorous and nitrogen were low – very good.
Domestic Ducks seem to have been introduced to the Lake.

Lake 3:
At the time of my visit Lake Superior was milky greenish looking - OK.
Nutrient levels were high for phosphorous and low for nitrogen again this month.
Some Creeping Water primrose was growing along the shoreline. This may be an indication that more Sterile Grass Carp need to be stocked as they should be grazing on the primrose that grows into the lake.

Black Appearing Water

In July all 3 lakes had an overall black looking appearance to the water and Lake 1 in August continued to appear black in color.

Black appearing water can be a visual indicator of low dissolved oxygen content in the water.

Bacteria and other microorganisms decompose organic matter consuming oxygen along with the fish and other aquatic organisms. Plants and algae help to add oxygen. As the oxygen level decrease a chemical reaction may occur that releases natural iron sulfides from the sediment giving the lake the black appearance,