

Lake Panasoffkee Conditions Report

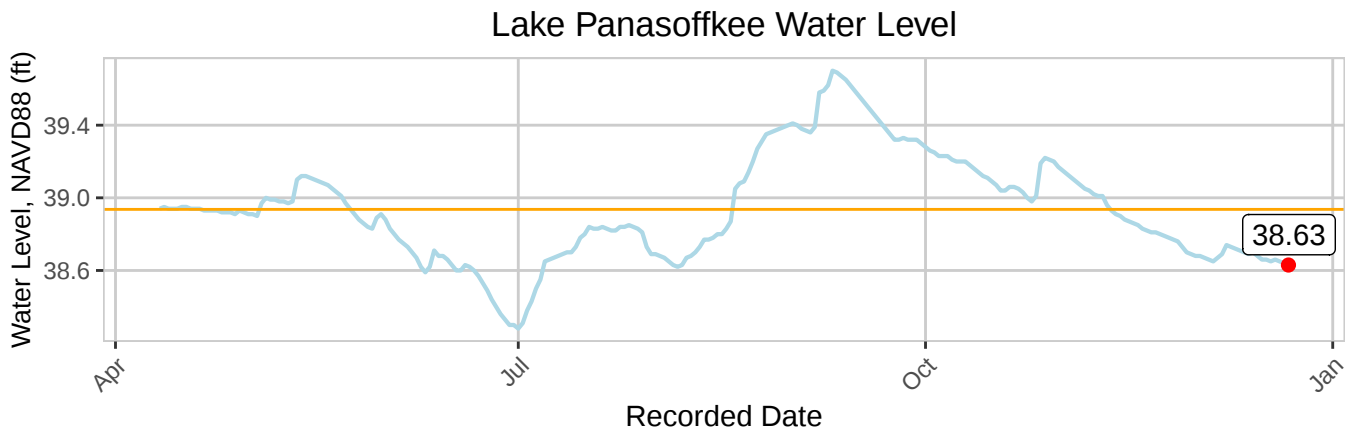
29 December, 2025

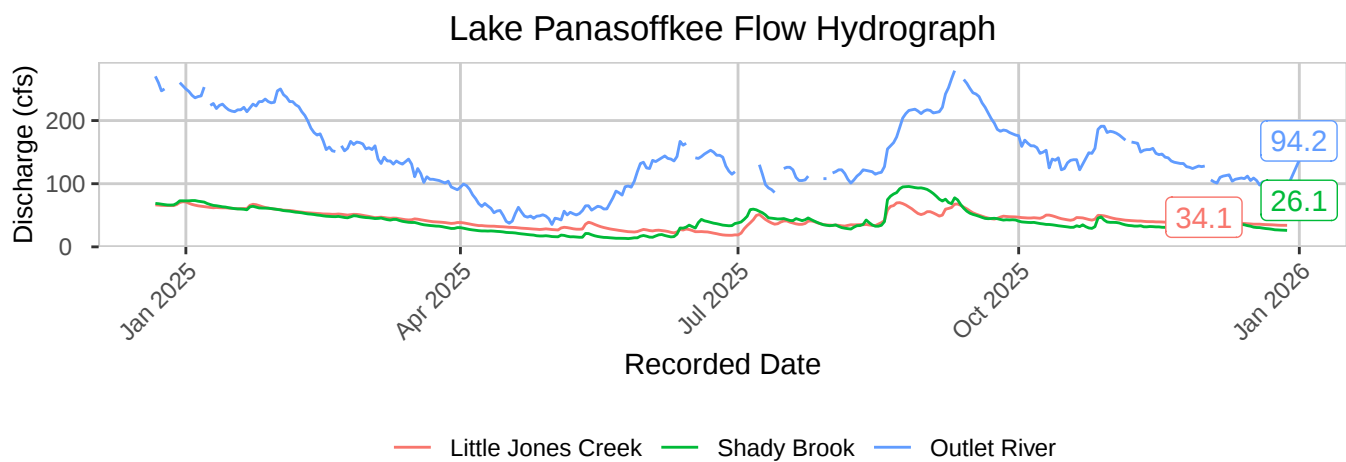
The Southwest Florida Water Management District (District) monitors environmental conditions at a number of water bodies in its 16-county area, including Lake Panasoffkee and the Withlacoochee River, to determine the health of our local waters and the results of restoration projects. The District also manages a number of local structures, including the Wysong-Coogler Water Conservation Structure as a means of water conservation. This update provides current information about the health of Lake Panasoffkee and the operation of the Wysong-Coogler Water Conservation Structure.

Lake Panasoffkee

	Current	Last Month	Last Year
Water Level (ft)		38.7	
Creek Inflow (cfs)	60.2	64.3	135.9
Creek Outflow (cfs)	94.2	128	
Dissolved Oxygen	9.87	10	6.45
pH (SU)	8.13	7.9	7.37
Light Penetration	43.51%	28.01%	22.55%

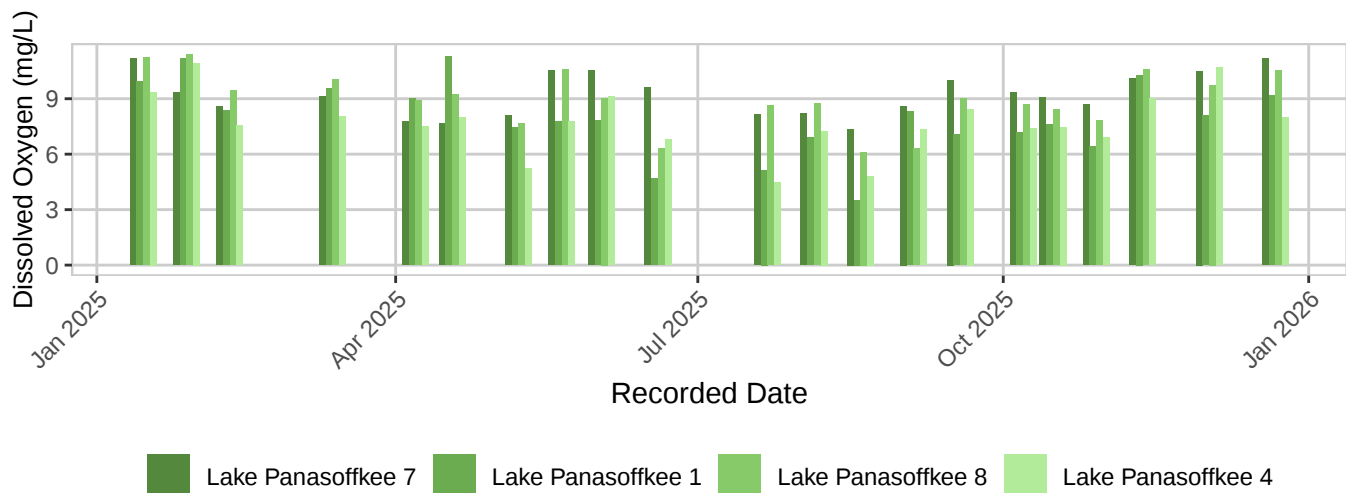
Lake Panasoffkee is one of Florida's true spring-fed lakes that receives water from three creeks and discharges water through the Outlet River. The eastern shore of the lake is marsh and wooded swamp with inflow to the lake coming from the northeast and southeast. About 15 percent of the basin contributes surface water to the lake and about 50 percent of the 420-square-mile topographic drainage basin contributes ground water to the lake. The water from the remainder of the basin either evaporates from low areas or directly recharges the Floridan aquifer for discharge outside the basin. The lake level is partly affected by the Wysong Dam.

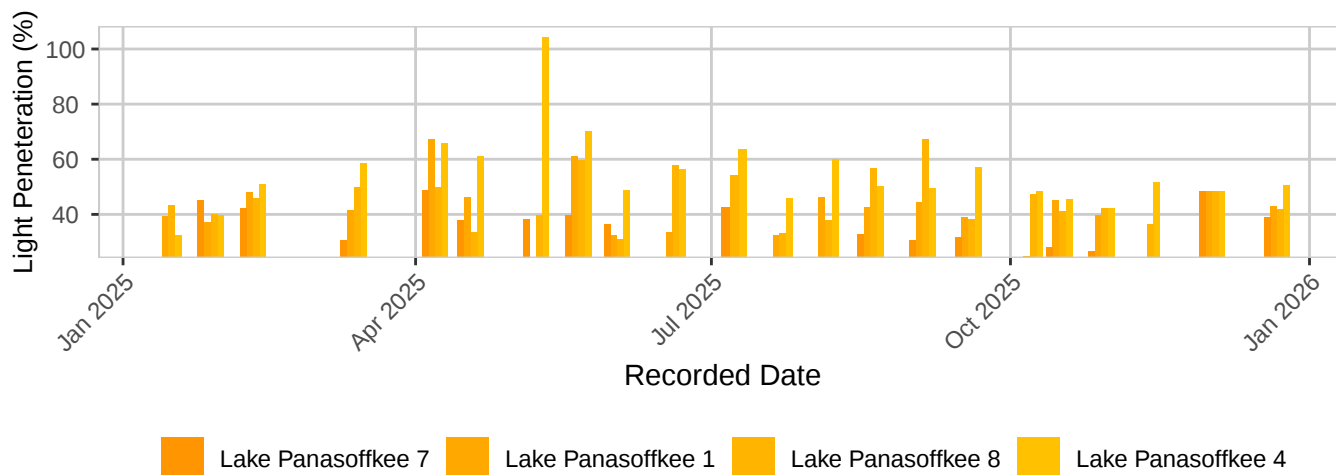




Dissolved Oxygen & Light Measurement Data

Dissolved Oxygen (DO), and Light Penetration are recorded at Lake Panasoffkee. These parameters are taken from the North and South side of the lake, the middle of the lake, and the outlet river of the lake. DO indicates the amount of oxygen present in the water. This affects the lakes ability to support life. Light Penetration indicates the available sunlight reaching the lake bottom as a percentage.





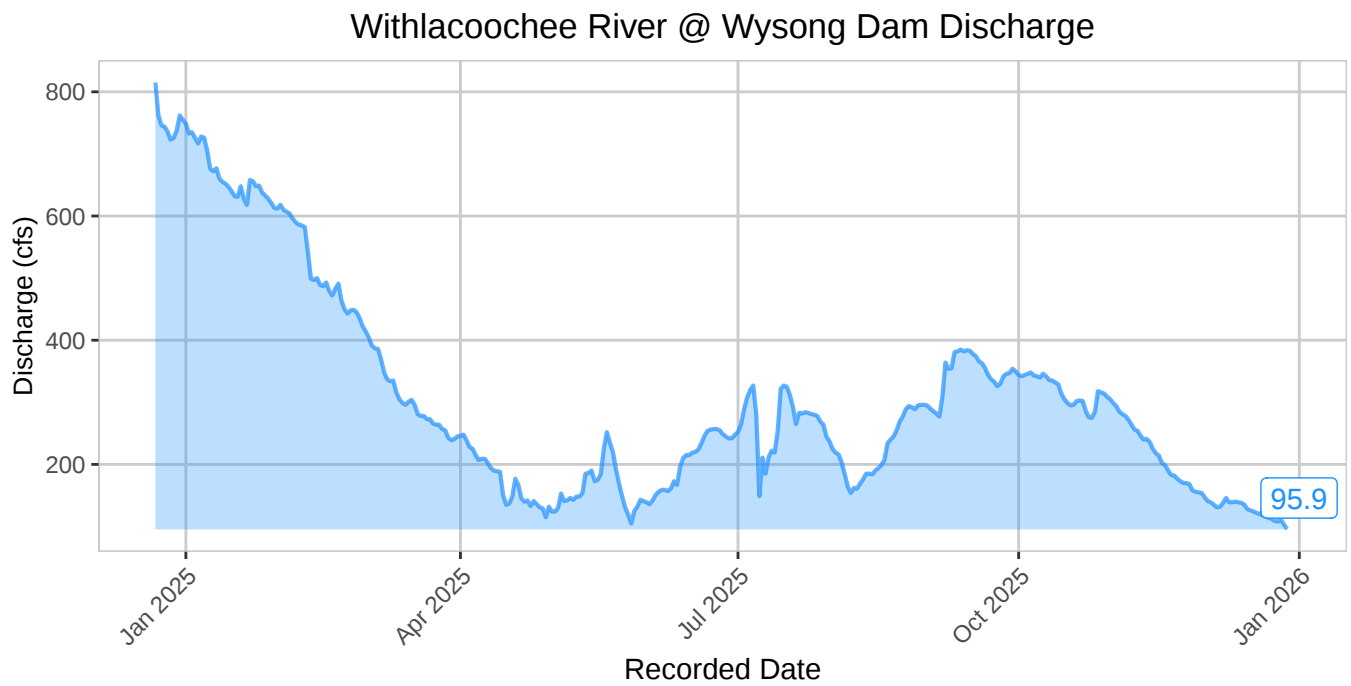
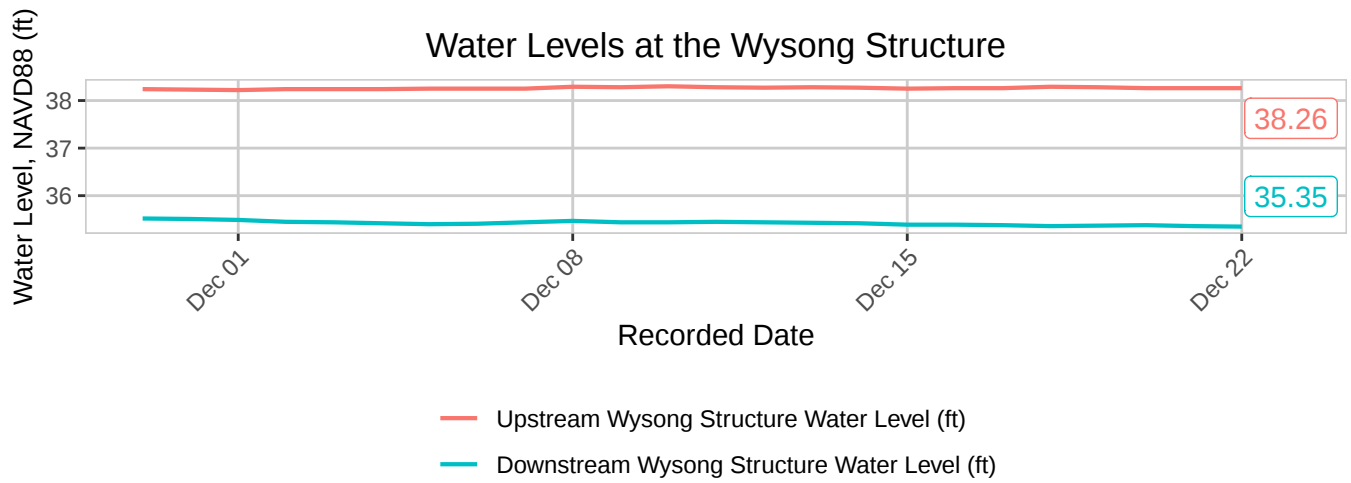
Field Measurements & Comments

Station	Depth	Total Depth	DO (mg/L)	DO (%sat)	pH	Secchi	Water Temperature (°C)	Light Penetration (%)	Comments
Lake Panasoffkee 7	0.50	1.76	11.03	117.3	8.52	0.75	18.3	38.89	No Comment
	0.88		11.22	119.3	8.52		18.3	38.89	
	1.56		11.26	119.6	8.53		18.2	38.89	
Lake Panasoffkee 1	0.50	1.98	8.87	92.1	7.96	1.25	17.1	42.84	No Comment
	0.99		9.04	93.8	7.96		17.1	42.84	
	1.78		9.57	98.7	8.13		16.9	42.84	
Lake Panasoffkee 8	0.50	2	10.40	107.9	7.98	2	17.3	41.83	Water tannic.
	1.00		10.50	109.6	7.99		17.3	41.83	
	1.80		10.66	111.1	8.01		17.3	41.83	
Lake Panasoffkee 4	0.50	1.14	7.93	82.5	7.85	1.14	17.2	50.49	No Comment
	0.94		8.06	83.7	7.94		17.2	50.49	

Wysong Structure

The Wysong Structure consists of two operable gates. The main gate is 230 feet wide while the independent gate is 19 feet wide. These gates are typically operated to conserve water and their position depends on available water levels and flows upstream.

	Current	Last Month	Last Year
Upstream Wysong Structure Water Level (ft)		38.24	38.51
Downstream Wysong Structure Water Level (ft)		35.52	36.46
Flow (cfs)	95.9	155.00	738.00



Map

