



OCEPD Adopt-A-Lake Quarterly Report

Sample Location: AAL72-Lake Butler NE Cove	F.A.C. 62-302.530
Date Sampled: 11/5/2012 12/4/2012 1/14/2013	Class III Criteria
Date Reported 12/17/2012 2/4/2013 3/1/2013	

Field				
Temperature (C)	21	18	19	n/a
Dissolved Oxygen (mg/L)	7.6	6.6	7.5	>5
pH	7.5	7.5	7	6-8.5
Secchi Depth (m)	ND	ND	ND	n/a
Total Depth (m)	ND	ND	ND	n/a
Biological				
Fecal Coliform (CFU/100mL)	1U	38	30	800
Chlorophyll a (µg/L)	5.0 I	3.3	2.8 I	20
Corrected Chlorophyll a (µg/L)	4.9 I	2.9	2.3 I	20
Wet Chemistry				
Alkalinity (mg/L)	23	18	21	>20
Chloride (mg/L)	38.7	39	41.5	n/a
Nitrate/Nitrite (mg/L)	0.005	0.011	0.016	**
Sulfate (mg/L)	39.9	40	41.4	n/a
Total Kjeldahl Nitrogen (mg/L)	0.77	0.59	0.74	**
Total Nitrogen (mg/L)	0.77	0.6	0.75	1.05-1.91**
Total Phosphorus (mg/L)	0.011	0.012	0.002	0.03-0.09**
Metals				
Calcium (mg/L)	11	12	12	n/a
Magnesium (mg/L)	8	8.6	8.7	n/a
Hardness (mg/L)	59	64	65	n/a

**proposed values for nutrient criteria to be adopted by FDEP in 2013

ND=No Data, n/a=not applicable
 U- Below Detection Limit
 I- between the MDL and PQL

***This is an unofficial summary report. Contact OCEPD for official reports at 407-836-1456.