



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 2/4/2013	Class III Criteria
Date Reported: 12/17/2012 2/4/2013 3/1/2013 4/18/2013	

Field					
Temperature (C)	21	18	19	17	n/a
Dissolved Oxygen (mg/L)	7.6	6.6	7.5	7.2	>5
pH	7.5	7.5	7	7	6-8.5
Secchi Depth (m)	ND	ND	ND	ND	n/a
Total Depth (m)	ND	ND	ND	ND	n/a
Biological					
Fecal Coliform (CFU/100mL)	1U	38	30	52	800
Chlorophyll a (µg/L)	5.0 I	3.3	2.8 I	1.9 U	20
Corrected Chlorophyll a (µg/L)	4.9 I	2.9	2.3 I	1.6 U	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.



OCEPD Adopt-A-Lake Quarterly Report

Sample Location: AAL72-Lake Butler NE Cove	F.A.C. 62-302.530
Date Sampled: 3/5/2013	Class III Criteria
Date Reported: 4/18/2013	

Field

Temperature (C)	15	n/a
Dissolved Oxygen (mg/L)	8	>5
pH	6.5	6-8.5
Secchi Depth (m)	ND	n/a
Total Depth (m)	ND	n/a

Biological

Fecal Coliform (CFU/100mL)	5 Q	800
Chlorophyll a (µg/L)	1.9 U	20
Corrected Chlorophyll a (µg/L)	1.6 U	20

Wet Chemistry

Alkalinity (mg/L)	22	>20
Chloride (mg/L)	37.5	n/a
Nitrate/Nitrite (mg/L)	0.014	**
Sulfate (mg/L)	43.4	n/a
Total Kjeldahl Nitrogen (mg/L)	0.77	**
Total Nitrogen (mg/L)	0.79	1.05-1.91**
Total Phosphorus (mg/L)	0.017	0.03-0.09**

Metals

Calcium (mg/L)	14	n/a
Magnesium (mg/L)	9.3	n/a
Hardness (mg/L)	72	n/a

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