

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 81816 MACROPHYTE ID: _____ LATITUDE: 30°17.5"
COUNTY: Wakulla STORET #: WAK17FIS1 LONGITUDE: -84°24'8.1"
DATE: 10/19/20 TIME: 15:15 SAMPLING AGENCY: FDEP
SITE NAME: Fishing Fool Lake WBID: 1223A
FIELD ID/NAME: FISHFOOL-LK LAKE SIZE: 10 acres RQ: _____

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>80</u> Silviculture _____ Field/Pasture _____ Agricultural _____ Residential <u>20</u> Commercial _____ Industrial _____ Other (Specify) _____					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>NO LDI</u>								
Local Watershed Erosion (select one) : ☒ None ☐ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy					Artificially Impounded ☐ Yes ☒ No								
STORMWATER INPUTS <u>17</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 <u>17</u> 16			Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 13 12 11			Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 9 8 7 6			Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1		
LAKESIDE ALTERATIONS <u>16 (houses)</u> <u>FSM/MNR</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 <u>16</u>			Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected) 15 14 13 12 11			Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 10 9 8 7 6			Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1		
BUFFER ZONE <u>18</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 <u>18</u> 17 16			89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 14 13 12 11			50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 6			< 29% of shoreline with >18m buffer 5 4 3 2 1		

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH < 2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # _____ Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____							
Meter Readings: Top: <u>Surf.</u> <u>27.6</u> <u>4.33</u> <u>7.16</u> <u>92.0</u> <u>1803</u> Mid-Depth: <u>0.41</u> <u>26.7</u> <u>4.31</u> <u>7.46</u> <u>93.4</u> <u>1802</u> Bottom: <u>0.89</u> <u>27.0</u> <u>4.34</u> <u>7.26</u> <u>92.2</u> <u>1812</u>								Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____							
Meter ID: <u>YS1 154185</u>								Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green SECCHI (M) <u>NA</u> Total Station Depth (M) <u>very shallow</u> VOB ☒ <u>1.0 m</u>							
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____								Sediment Odors: ☐ Normal ☐ Other (Specify): _____ ☒ Anaerobic							

Biological Communities:
LVI Conducted? ☒ Yes ☐ No
Phytoplankton Sample Taken? ☒ Yes ☐ No
Sample Preserved? ☐ Yes ☒ No
Lot #: _____ Exp Date: _____
Algal Bloom/Algal ID Sample Taken? Yes ☒ No ☐ Don't Know
Active Vegetation Mgmt? ☐ Yes ☒ No ☐ Don't Know

Abundance:
Absent Rare Common Abundant
Periphyton ☐ ☒ ☐ ☐
Nuisance Plants ☐ ☒ ☐ ☐
Submersed Plants ☐ ☐ ☐ ☒
Exotic Apple Snails ☒ ☐ ☐ ☐

Contains: 1:1 H2SO4
Lot No.: SA9301030
Expires: 10/28/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9354060
Expires: 12/20/20
See Safety Data Sheet (SDS)

Weather Conditions:
mid-70s / sun & clouds
high

water level low
lots of senescent plants or loss of salinity?

SAMPLING TEAM:
S. Patronis, A. O'Neal

SIGNATURE:
[Signature]

DATE: 10/19/20

Waterbody: Fishing Pool	Date: 12/19/23	County: Wake	Storet Number: WAK17FISH
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Analyst: J. Paton's A. O'Neal Signature: Jay M.

Comments: lots of senescent plants due to seasonal or high conductivity effects

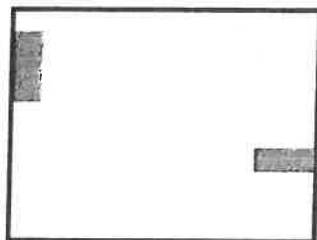
2581	Meter Mark			2581	Meter Mark		
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Revision Date: January 2017

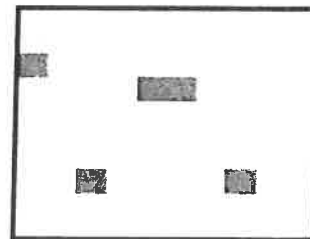
FDEP FORM FD 9000-32 LINEAR VEGETATION SURVEY FIELD SHEET

Percent Cover Categories for macrophytes in a 10 m segment of a stream 5 m wide

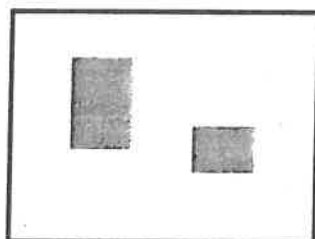
5% Macrophyte Coverage



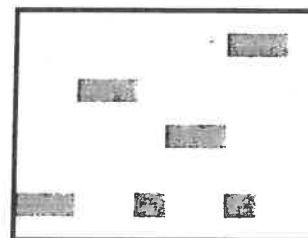
5% Macrophyte Coverage



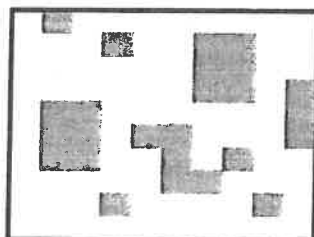
10% Macrophyte Coverage



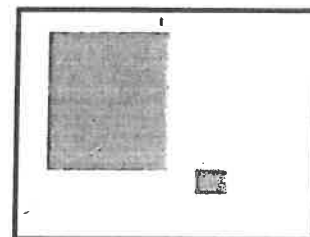
10% Macrophyte Coverage



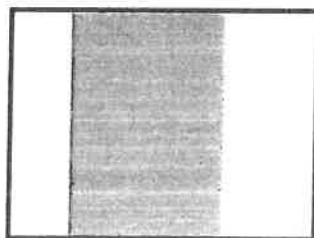
25% Macrophyte Coverage



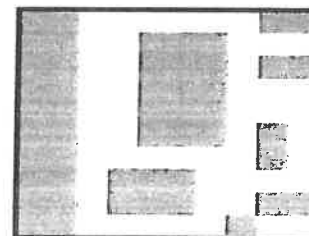
25% Macrophyte Coverage



50% Macrophyte Coverage



50% Macrophyte Coverage



SITE NAME: Fishing Fool DATE: 10/19/20 TIME 15:15 EST CST DEPTH: 1.0 ft @ FIELD ID: FISHFOOLK
 (military)

SAMPLING TEAM MEMBERS	WQ MEASUREMENTS	DOCUMENTATION	SAMPLE COLLECTION	PRESERVATION	PRESERVATION CHECK
J. Patrino's		✓	✓		
A. O'Neal	✓		✓	✓	✓

SAMPLING EQUIPMENT	
☒ Sample Container	☐ Tubing type: _____
☐ Pole	☐ Other _____
☐ Pump ID#: _____	☐ Other _____
WATER QUALITY MEASUREMENTS	
Instrument ID: <u>YSI 154185</u>	
COLLECTION MODE	
Via Boat	
☐ Wading	☒ Canoe
☐ Diving	☐ Electric Motor
☐ From Shore	☐ Gasoline Motor
☐ Other _____	

Parameter Suite	Parameter(s)/Method	Matrix Code	Preservation**	Preservative Lot #	pH Check	# Bottles ...
Preserved Nutrients	☒ TKN ☒ TP ☒ NOx ☒ NH3 ☐ TOC ☐ Total N ☐ Other: _____	SW	☒ Ice ☒ H ₂ SO ₄	NA9301030	☒ <2	1
Filtered Nutrients	☒ dP ☐ Other: _____	SW	☒ Ice ☒ 45 um Filter			1
Unpreserved Nutrients	☐ NO ₂ ☐ NO ₃ ☐ SO ₄ ☐ Other: _____	W	☐ Ice			1
Physical/Aggregate Properties	☐ TDS ☐ TSS ☐ TS ☐ Turbidity ☒ Alk ☒ Color ☐ Other: <u>W-CL-IC, W-F, W-SO₄-IC</u>	SW	☒ Ice			1
Chlorophyll	☐ CHL-PPTN-W	W	☐ Ice			
BOD	☐ BOD-INHB ☐ BOD-UNIN	W	☐ Ice			
Microbiology	MF: ☐ E coli ☐ T Coli ☐ F Coli ☐ Entero ☐ F Strep	W	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC ☐ MI-FW-QLBR ☐ MI-FW-QNNC ☐ MI-MN-QNNC	W	☐ Formalin			
Phytoplankton	☐ PKD-QN-C ☐ DTY-QN-C <u>CHLCOITE-W</u>	SW	☐ Lugol's <u>2000</u>			1
Periphyton	☐ PRN-QL-C ☐ DTM-QL-C ☐ PRN-QN-C ☐ DTM-QN-C	W	☐ Formalin			
AGP	☐ AA-AGP ☐ AA-LIM-NUT	W	☐ Ice			
Metals	☒ W-ICP ☐ W-FIAS ☒ W-ICPMS ☐ W-ICP-Tr	SW	☒ HNO ₃ <u>50</u>	NA9354060	☒ <2	1
Filtered Metals	☐ W-ICP-F ☐ W-FIAS-F ☐ W-ICPMS-F ☐ W-ICP-Tr-F	SW	☒ HNO ₃ ☐ 45 um Filter		☐ <2	
Mercury	☐ W-HG-AF	W				
BaseNeutral / Acid Extractable	☐ W-BNA ☐ W-AE ☐ W-BN ☐ W-PAH ☐ W-FL-PRO ☐ W ☐ Other: _____	W	☐ Ice ☐ H ₂ SO ₄		☐ <2	
Pesticides	☐ W-PEST-CL ☐ W-PCB ☐ W-PEST-NP ☐ W-PSCL-PCB ☐ W-NP-AA-SF ☐ W-PC-AA-SF ☐ W-PSHRB-NP ☐ W-SLFN-UREA ☐ W-SULFN-LC ☐ Other: _____ ☐ W-ACIDHERB ☐ W-CARB	W	☐ Ice ☐ H ₂ SO ₄ ☐ Ice ☐ MCAA			
Purgeables	☐ W-VOC-MS ☐ W-VOC-MS-A	W	☐ Ice ☐ HCl			
Bioassay	Specify Test: _____	W	☐ Ice			
OTHER - <u>phytoplankton</u>	<u>No. of diatom taxa quant. phytopl</u>	SW	☐ Other: <u>Lugol's in lab.</u>			1

Notes: _____

Use one line for each set of sample (as supplied by the laboratory) containers. Use separate sheet for field or laboratory duplicate or blank or different water depth

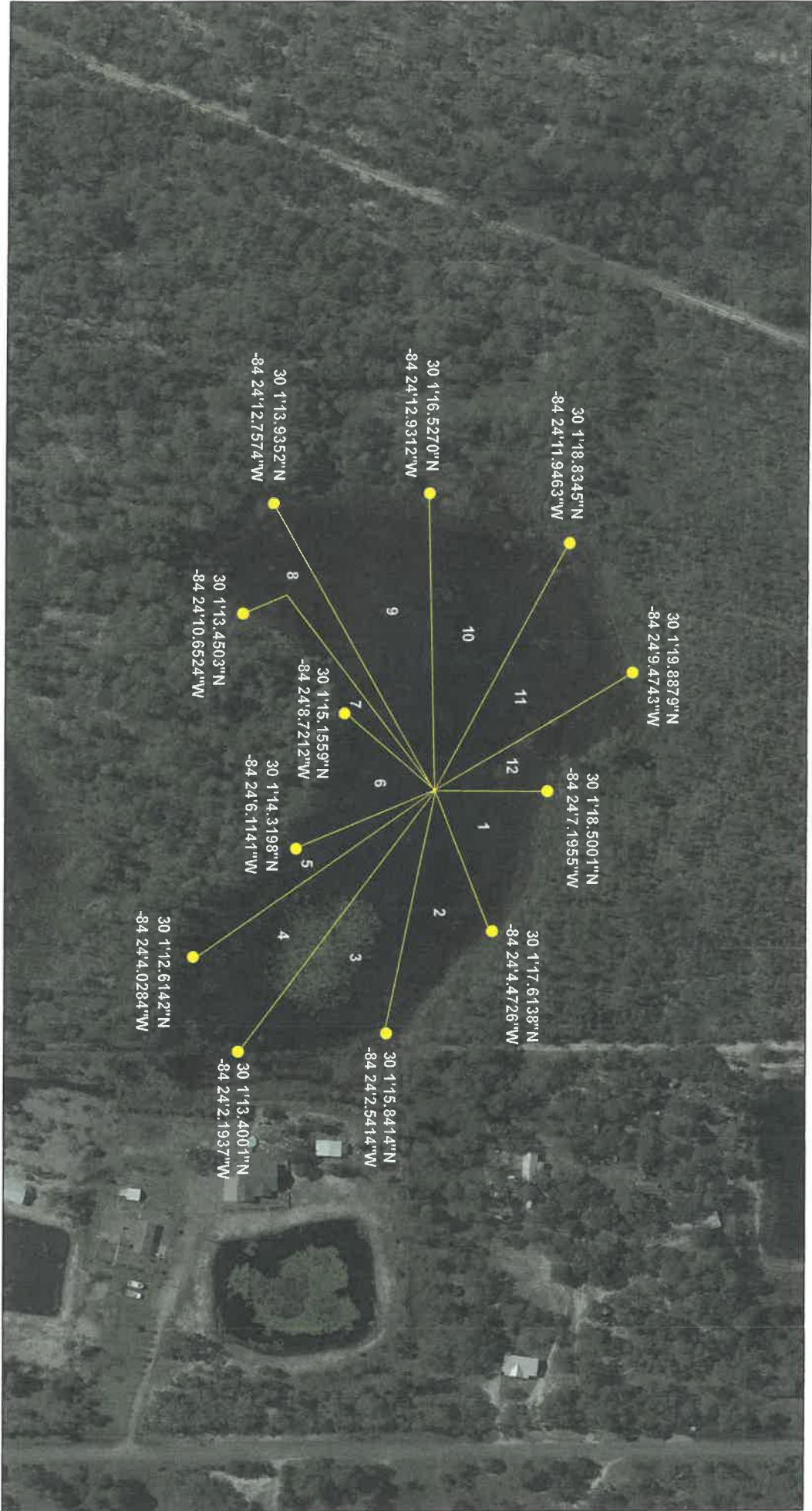
^Enter "S" for surface if collected at a depth less than or equal to 1 foot

*Matrix Codes (Insert prefix): SW = Surface Water GW = Groundwater DW = Drinking Water WW = Wastewater O = Other: _____

**PRESERVATIVES: 1 ml added unless otherwise noted

***Enter number of containers supplied by the laboratory for the test (e.g., 3 for volatile organics, etc.)

Fishing Fool Lake, WBID 1223A (Wakulla Co.)



August 23, 2018



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

