



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: East Lake Tohopekaliga, center Date: _____
STORET Station ID: 26010946 Latitude: 28.2959 (mm/dd/yyyy)
WBID: 3172 RQ-2016-04-11-45 ORG ID: 21FCEN Longitude: -81.2851 (Decimal Degrees)
Receiving Body of Water: _____ Field ID: G4CE0011 County: _____

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Leif Bonham Katie Williams										

Sampling Equipment	
☒ Sample Container	☐ Van Dorn ☐ Pole
☐ Carboy	☒ Syringe
☐ Dipper	☐ Other _____
Equipment ID _____	

Collection Method	
☐ Wading	☒ Via Boat <u>airboat</u>
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☐ Gasoline Motor

Water Level: Dry / Low / Normal / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI						
Meter ID# <u>Betty Boop</u> Photos: Yes / No				Tide Falling: Yes / No / <u>NA</u>						
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)
EST	1415	0.3	4.3	9.1	110	7.8	0.06	1.5	132	24.9
CEN		3.8		8.7	102	7.6	0.06		132	23.0

Biological Samples Collected:		None	HA	SCI	LVS	RPS	<u>LVI</u>	Other _____
Parameter Suite	Parameter Methods		Preservation		Acid Lot#	Expiration	pH Check	
Preserved Nutrients	☒ TKN / TP / Nox / NH3 / TOC ☐ Other _____		☒ Ice ☒ H ₂ SO ₄				☒ <2	
Metals	☐ W-ICPMS ☐ W-ICP		☐ Ice ☐ HNO ₂				☐ <2	
Filtered Nutrients	☒ op ☒ Field Filtered 0.45 um Filter		☒ Ice					
Chlorophyll	☒ CHLSUITE-W		☒ Ice					
BOD	☐ BOD-INHB ☒ BOD-UNIN		☒ Ice					
Physical/Aggregate	☒ TSS / Turbidity / Alkalinity / Color ☐ Other _____		☒ Ice					
Macroinvertebrates	☐ MI-FW-QLDC		☐ Formalin					
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR		☐ Ice					
Periphyton	☐ ALGAE-ID		☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R		☐ Ice					
	☐ W-PC-AA-SF ☐ W-IHERB-AA ☐ W-GLYPH		☐ Other _____					

Notes:		Date: 04/20/16 Time: 1415		RQ-2016-04-11-45		G4CE0011 Field ID ↑ STORET ↓ 26010946	
--------	--	------------------------------	--	------------------	--	--	--

Contains
1:1
Sulfuric Acid
SA-5259020
EXP: 09/16/16
Warning!
See MSDS

Signature: K Williams Date: 4/20/16
Field Parameters Entered into LIMS: LMD 4/29/16 (Initials/Date)
Date Migrated to STORET: 2R 6-1-16 (Initials/Date)
Field Parameters QC in LIMS: RMW 4/29/16 (Initials/Date)
Field Sheets Scanned/Saved: 2R 6-1-16 (Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 76060 MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: Osceola STORET #: 26010946 LONGITUDE: _____
 DATE: 4/20/16 TIME: _____ SAMPLING AGENCY: _____
 SITE NAME: E Lake Toho WBID: 317264
 FIELD ID/NAME: 64CE0011 LAKE SIZE: large RQ: 2016-04-11-45

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>15</u> Silviculture _____ Field/Pasture <u>25</u> Agricultural <u>60</u> Residential _____ Commercial _____ Industrial _____ Other (Specify) _____								LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: _____ Land Use Source & Year: _____	
Local Watershed Erosion (select one) : ☒ None ☐ Slight ☐ Moderate ☐ Heavy						Artificially Impounded ☐ Yes ☐ No			
Local Watershed NPS Pollution : ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy									
STORMWATER INPUTS <u>8</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 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>10</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 16		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>10</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 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 _____					
						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____					
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>24.9</u> <u>7.8</u> <u>9.1</u> <u>110</u> <u>132</u> <u>0.06</u> Mid-Depth: _____ Bottom: <u>3.8</u> <u>23.0</u> <u>7.4</u> <u>8.7</u> <u>102</u> <u>132</u> <u>0.06</u>						Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green					
Meter ID: _____						SECCHI (M) <u>1.5</u> Total Station Depth (M) <u>4.3</u> VOB ☐					
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____						Sample Taken? ☐ Yes ☒ No Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____					
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 ☒ Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know						Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Nuisance Plants ☐ ☐ ☒ ☐ Submersed Plants ☐ ☐ ☒ ☐ Exotic Apple Snails ☐ ☐ ☐ ☒					
Additional Notes:											
Weather Conditions :											
SAMPLING TEAM: <u>KMW, LGB</u>						SIGNATURE: <u>[Signature]</u>			DATE: <u>4/20/16</u>		

[illegible]