



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE ____ OF ____

February 2016

Data Qualified?

Yes / No

STORET Station Name: Mud Lake @ Center

Date: 4/28/16

(mm/dd/yyyy)

STORET Station ID: G4CE0114

Latitude: 28.168889

(Decimal Degrees)

WBID: 1467

RQ - 2016-04-25-57

ORG ID: 21FLEN

Longitude: -81.842939

(Decimal Degrees)

Receiving Body of Water: _____

Field ID: G4CE0114

County: Polk

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
<u>Leif Boman</u> <u>Katie Williams</u>								

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

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

Water Level: Dry / Low / <u>Normal</u> / 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 (µmhos/cm)	Temp. (C°)
EST	1215	0.3	2.5	9.8 <u>10.0</u> KW	125 <u>127</u> KW	7.8	0.10	1.3	204	27.7
CEN		2.0		6.4	78	7.3	0.09		202	25.4

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 ☒ H2SO4			☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ oP ☒ Field Filtered 0.45 µm 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 ☐ Enterococcus ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

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

Notes: Lake recently, extensively sprayed

Date: 04/28/16
Time: _____

G4CE0114
Field ID
STORET
RQ-2016-04-25-57
G4CE0114

Signature: K Williams

Date: 4/28/16

Field Parameters Entered into LIMS: _____
(Initials/Date)

Field Parameters QC in LIMS: _____
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

Field Sheets Scanned/Saved: _____
(Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 76059 MACROPHYTE ID: 9694 LATITUDE: _____
 COUNTY: Polk STORET #: 64CE0114 LONGITUDE: _____
 DATE: 4/28/14 TIME: _____ SAMPLING AGENCY: _____
 SITE NAME: Mud Lake WBID: _____
 FIELD ID/NAME: _____ LAKE SIZE: _____ RQ: 2014-04-25-57

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>10</u> Silviculture _____ Field/Pasture <u>15</u> Agricultural <u>25</u> Residential <u>50</u> 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>6</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>4</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 _____													
Meter Readings: Top: <u>0.3</u> <u>27.7</u> <u>7.8</u> <u>9.8</u> <u>125</u> <u>204</u> <u>0.10</u> Mid-Depth: _____ Bottom: <u>2.0</u> <u>25.4</u> <u>7.3</u> <u>6.4</u> <u>78</u> <u>202</u> <u>0.09</u> Meter ID: _____							Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____													
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____							Clarity: ☐ Clear ☐ Turbid ☒ Slightly Turbid Color: ☐ Clear ☐ Tannic ☒ Green SECCHI (M) <u>1.3</u> Total Station Depth (M) <u>2.5</u> VOB ☐													
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							Sediment Odors: ☐ Normal ☐ Other (Specify): _____ ☒ Anaerobic													
Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☐ ☒ Nuisance Plants ☐ ☐ ☐ ☒ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☐ ☐ ☒ ☐							Additional Notes: <u>recent extensive spraying of plants</u>													
Weather Conditions: <u>hot, sunny</u>																				
SAMPLING TEAM: <u>LG, KMW</u>							SIGNATURE: <u>[Signature]</u>							DATE: <u>4/28/14</u>						

1, 4, 7, 10 2, 5, 8, 11
3, 6, 9, 12

[illegible]

Mud Lake
Polk County

