



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ Yes ☐ No

WIN Station Name: Lake Deeson @ Center

Date: 6/30/2021

WIN/Field ID: G3SW0075

WBID: 1449A

ENR:

Latitude: 28.11274

County: Polk

Org ID: 21FLTPA

Longitude: -81.93096

Receiving Body of Water: ~~None~~ Sarasota Bay - Peace-Myakka RQ- 2021-06-21-50

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Sarah Meyer			☒	☒	☒
☒	Francisco Faria		☒		☒	
☒	Kevin Grace	☒				
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☐ Pole
Depth measured with: Secchi	
Secchi Equipment ID: Secchi #3	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# SWD							
Photos: YES		Flow: FLOW		Tide: N/A		Tide Times: High: Low:							
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:													
SBIO ID Numbers:													
Notes: RAINING DURING SAMPLE COLLECTION													

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone: EST	Time: 1330	Field ID: FB 06302021	(Blank Type_DDDMMYYY)
DI Source: SW ROC		Location: Lake Deeson Boat Ramp	
DI Type: Field Blank		Equipment ID: N/A	
DI Container (Name/ID): Lil Boi		DI Container Type: Carboy	

LIMS EVENT ID: SW-DIST-2021-07-01-01	WIN Import ID: 29225
Enter Field Parameters, Verify Station ID In LIMS DMT: NA / 07/01/21 (Initials/Date)	QC Station ID, Field Parameters In LIMS DMT: NA / 10/05/21 (Initials/Date)
Scan/Save Field Sheets MM 06/09/2022 (Initials/Date)	Migrate Data to WIN: NA / 10/22/21 (Initials/Date)
	Verify Data In WIN: SM / 10/25/21 (Initials/Date)



RQ-2021-06-21-50

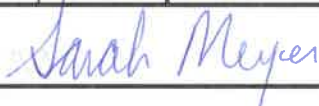
Customer: WQAP SW-DIST

Project ID: SMP

Collected By: Sarah Meyer, Francisco Faria

Field Report Prepared By: Sarah Meyer

Sampling Agency: FDEP SW20C

Place Label Here						Comments:				
WIN ID/Field ID: 										
G3SW0075										
Location: Lake Deeson @ Center										
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
6/30/2021	1315 EST	7.84	102.5	29.3	7.85	0.3	0.5 ☐ VOB (S)	5	174.7	0.08
	1316	7.49	97.8	29.2	7.68	2	Central Lab please use top row for login purposes		174.9	0.08
	1317 EST	0.43	5.5	28	6.37	4.5			471	0.22
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot #		120053		Exp:		10/05/21		
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A
		Lot #		116856		Exp:		03/31/2022		
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #		Not Recorded						
		Syringe Lot #		Not Recorded						
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC		Formalin Lot #		☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab				☐ Ice				
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
Phytoplankton/Periphyton		DTY-QN-C PKD-QN-BV				☐ Ice				
Name: Sarah Meyer Francisco Faria						Signature: 			Date: 06/30/2021	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Analyst: S Meyer, F Faria, K Grace

Waterbody: Lake Deeson @ Center

County: Polk

STORET: G3SW0075

Signature:

Date: 06/30/2021

Except where noted as "sp." species level identification required. *Genera that may require lab verification*

Plants in bold= FLEPPC invasive exotic.

It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa.

Lake units sampled (circle one group):

1, 4, 7, 10 2, 5, 8, 11

3, 6, 9, 12

SPECIES (A-F)	2	5	8	11	Collec ted? (✓)	SPECIES (G-L)	2	5	8	11	Collec ted? (✓)
Acer rubrum	X					Gordonia lasianthus					
Alternanthera philoxeroides						Habenaria repens					
Andropogon sp.						Hymenachne amplexicaulis					
Azolla filiculoides (A. caroliniana)						Hydrilla verticillata					
Baccharis sp.	X					Hydrocotyle sp.	X	X	X	X	
Bacopa caroliniana						Hygrophila polysperma					
Bacopa monnieri						*Hypericum fasciculatum					
Bidens laevis						*Hypericum hypericoides					
Bidens mitis						*Hypericum myrtifolium					
Blechnum serrulatum						Ilex cassine					
Boehmeria cylindrica						Ipomoea aquatica					
Brasenia schreberi						Ipomoea sagittata					
Cabomba caroliniana						Itea virginica					
Casuarina equisetifolia						Juncus effusus					
Centella asiatica						*Juncus marginatus					
Cephalanthus occidentalis						*Juncus megacephalus					
Ceratophyllum demersum						Juncus repens					
Chara sp.						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana					
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta						Landoltia punctata (Spirodela punctata)			X		
*Commelina						Lemna sp.					
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
* Cyperus alternifolius (C. involucratus)						Limnium spongia					
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan						Liquidambar styraciflua					
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa			X		
*Cyperus odoratus	X		X	X		*Ludwigia linearis					
*Cyperus surinamensis						*Ludwigia octovalvis					
Cyrilla racemiflora						* Ludwigia peruviana	X	X	X		
Decodon verticillatus						*Ludwigia repens					
Diodia virginiana						*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)					
*Echinochloa muricatum						Lyonia lucida					
Echinochloa walteri											
Eclipta prostrata (E. alba)											
Egeria densa											
Eichhornia crassipes											
*Eleocharis baldwinii											
*Eleocharis											
Eleocharis cellulosa											
Eleocharis equisetoides											
Eleocharis interstincta											
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium				X							
*Fuirena											
Fuirena scirpoidea											

Field ID/WIN

G3SW0075



Site Name: Lake Deeson @ Center

Date: 06/30/2021

G3SW0075





Lake Deeson @ Center

COUNTY: Polk

LAKE SIZE: large

TIME: 1315

FIELD AGENCY: FLDEP SWROC

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) :					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)															
Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)	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	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation		Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place		Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place		Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place													
8	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
LAKESIDE ALTERATIONS	Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)		Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected)		Many structures, roads or other human disturbance visible (50%-70% lakeside affected)		Highly developed or disturbed (>70% of lakeside affected)													
6	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
BUFFER ZONE	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer		89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer		50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer		< 29% of shoreline with >18m buffer													
7	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water:								Water Odors: ☒ Normal			
Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☒ pH<2 ☐ No								☐ Sewage ☐ Petroleum ☐ Other			
Color Sample Taken? ☒ Yes ☐ No Lot # Exp. Date:								Water Surface Oils: ☒ None			
Alkalinity Sample Taken? ☒ Yes ☐ No								☐ Sheen/Slick ☐ Glob ☐ Other			
Water Level ☐ Low ☒ Normal ☐ High											
Meter Readings:	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)	Clarity: ☐ Clear ☒ Slightly Turbid		Color: ☒ Clear ☐ Tannic ☐ Green	
Top:	0.3	29.3	7.85	7.84	102.5	174.7	0.08	☐ Opaque ☐ Turbid			
Mid-Depth:	2.0	29.2	7.68	7.49	97.8	174.9	0.08				
Bottom:	4.5	28.0	6.37	0.43	5.5	471	0.22				
Meter ID: SWD								SECCHI (M) 0.5		Total Station Depth (M) 5.0	
Sediment Type: (may check more than one)								Sediment Odors: ☒ Normal ☐ Anaerobic			
☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated								☐ Other (Specify):			
☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify):											
Biological Communities:								Abundance:			
LVI Conducted? ☒ Yes ☐ No								Absent Rare Common Abundant			
Phytoplankton Sample Taken? ☐ Yes ☐ No								Periphyton ☐ ☒ ☒ ☐			
Sample Preserved? ☐ Yes ☐ No								Nuisance Plants ☐ ☐ ☒ ☐			
Lot #: Exp Date:								Submersed Plants ☐ ☐ ☒ ☐			
Algal Bloom/Algal ID Sample Taken? Yes ☒ No								Exotic Apple Snails ☐ ☐ ☐ ☐			
Active Vegetation Mgmt? ☐ Yes ☐ No ☒ Don't Know											
Weather Conditions :											
SAMPLING TEAM: F Faria, K Grace, S Meyer								SIGNATURE: <i>David Meyer</i>		DATE: 06/30/2021	



Field ID/WIN

G3SW0075

Visit ID: 83417



Site Name: Lake Deeson @ Center