



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

A-KIT

Data Qualified?
Yes / No

WIN Station Name: Lake Weeks

Date: 08/01/2018
(mm/dd/yyyy)

WIN/ Field ID: 62SW0068

WBID: 15470

Latitude: 27.98971

County: Hillsborough

ORG ID: 21FLTPA

Longitude: -82.26881

Receiving Body of Water: N/A

RQ-2018- 07-30-15

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Paswater					X				☒ Sample Container	☐ Van Dorn	☐ Pole	
Judy Ashton									☐ Carboy	☐ Syringe		
Sarah Meyer				X		X			☐ Dipper	☐ Other		
Water Level: Dry/ Pooled/ Low / Normal / (High) / Flooded									Meter ID# <u>Chewy</u>		Matrix: <u>Fresh</u> / Marine / DI	
Photos: <u>(Yes)</u> / No		Flow: No Flow / Intestinal / Flowing <u>(NA)</u>		Tide: Rising/ Falling/ Slack/ <u>(NA)</u>		Tide Times: High — Low —						
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)		
EST CEN	12:30	2.0	0.3	0.4	8.97	119.0	7.16	0.06	134	30.2		
			1.5		8.84	116.6	7.03	0.06	133	29.8		
Biological Samples Collected: None HA SCI RPS Algae ID LVS <u>(LVI)</u> Other:												
SBIO ID Numbers: SBIO-ID: <u>78730</u> HA-ID: <u>15332</u> RPS-ID: ——— Macrophyte-ID: <u>11023</u> LIMS#: <u>2012632</u>												
Parameter Suite		Parameter Methods				Preservation		Lot#	Expiration	pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4		<u>S8085170</u>	<u>03/26/19</u>	☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice						
Chlorophyll		☒ CHLSUITE-W				☐ Ice						
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice						
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Periphyton		☐ ALGAE-ID				☐ Ice						
Microbiology		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice						
Molecular		☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice						
Tracers		☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA				☐ Ice						
		☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R				☐ Other						

Notes:

Field ID/WIN

G2SW0068



Site Name: Lake Weeks @ Center

Signature:

Sarah Meyer

Date:

08/01/2018

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 08/15/2018

QC Station ID, Field Parameters in LIMS DMT: SM 12/27/2018

Scan/Save Field Sheets SM 1/14/2019

Migrate Data to WIN: 9113 SM 12/27/2018

Verify Data in WIN: SM 1/14/2019

(Initials/Date)

(Initials/Date)

(Initials/Date)

DEP Form FD 9000-6: Lake Habitat Assessment Field Sheet

STORET STATION NUMBER: 62SW006B	DATE (M/D/Y) 8-1-10	LAKE NAME LAKE WALK'S		FIELD ID / NAME:													
ECO-REGION:	COUNTY: HILLS	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE: L													
PARAMETER	No surface inflow or outflow present, very long water residence time, groundwater seepage dominates ☐	Surface water inflow present, but flow is rare, moderate to long water residence time ☒	Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time ☐	Impounded, hydrology of system artificially controlled ☐													
HYDROLOGY																	
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☐	Dark, discolored water (water color 20 PCU or higher) ☐	Visibility extremely reduced due to high color ☒													
	Optimal	Suboptimal	Marginal	Poor													
Secchi ☐	Secchi > 3 m Or VOB	Secchi(m)	3	2.6	2.2	1.8	1.4	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
Vegetation Quality ☐	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants	Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)													
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													
Bottom Substrate Quality ☐	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present	Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom													
Lakeside Adverse Human Alterations ☐	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)	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)													
Upland 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													
Adverse Watershed Land Use ☐	Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial																
TOTAL SCORE	52																
COMMENTS: ACTIVE DUMPING IN LAKE, TIRES + DEBRIS																	
ANALYSIS DATE: 8-1-10	ANALYST:							SIGNATURE: <i>[Signature]</i>									

151794DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78730 MACROPHYTE ID: 11023 LATITUDE: 27.98971
 COUNTY: MS STORET #: 62SW0068 LONGITUDE: -82.26881
 DATE: 8-1-18 TIME: 1230 SAMPLING AGENCY: FSEP
 SITE NAME: LAKE WALKS WBID: 1547C
 FIELD ID/NAME: G2SW0068 LAKE SIZE: L RQ: 2013-2017-2015

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)
				<u>90</u>	<u>10</u>		
Local Watershed Erosion (select one): ☐ None ☒ Slight ☐ Moderate ☐ Heavy							Artificially Impounded
Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☐ Moderate ☒ Heavy							☐ Yes ☒ No
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
<u>4</u>	20	19	18	17	16	15	14
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)
<u>12</u>	20	19	18	17	16	15	14
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
<u>9</u>	20	19	18	17	16	15	14

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

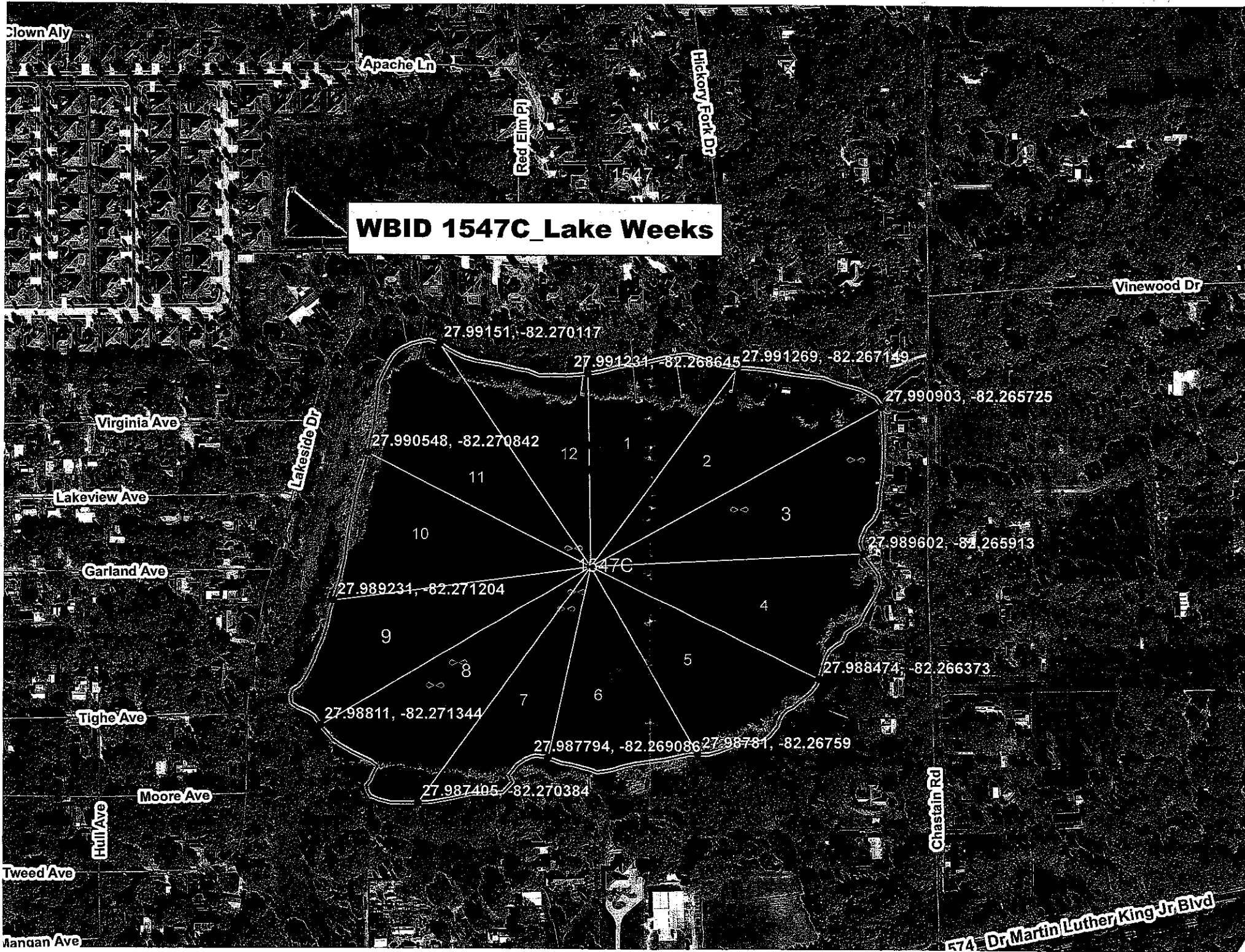
Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH < 2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot #: _____ Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☐ Normal ☒ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____			
Meter Readings: Top: Depth (M) <u>0.3</u> Temp. (°C) <u>30.2</u> pH (SU) <u>7.16</u> D.O. (MG/L) <u>8.97</u> D.O. Sat. (%) <u>119.0</u> Cond. (UMHO/CM) <u>134</u> Salinity (PPT) <u>0.06</u> Mid-Depth: _____ Bottom: <u>1.5</u> <u>29.8</u> <u>7.03</u> <u>8.84</u> <u>116.6</u> <u>133</u> <u>0.06</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 ☐ Opaque ☐ Turbid ☒ Slightly Turbid Color: ☐ Clear ☐ Tannic ☒ Green			
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 ☐ ☒ ☐ ☐			
Weather Conditions:								Sediment Odors: ☐ Normal ☐ Other (Specify): _____ ☐ Anaerobic			
SAMPLING TEAM: <u>J. ASHTON, B. PASWATER, S. MEYER</u>								SIGNATURE: <u>[Signature]</u>			
DATE: <u>8-1-18</u>								Additional Notes:			

Date: 08/01/2018					Waterbody: Lake Weeks					County: Hillsborough				
STORET: 62SW006B					Signature: <i>[Signature]</i>					Analyst: Ashton Meyer				
Except where noted as "sp." species level identification required. *Genera that may require lab verification*										Lake units sampled (circle one group):				
Plants in bold = FLEPPC invasive exotic.										1, 4, 7, 10 2, 5, 8, 11				
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.										3, 6, 9, 12				
SPECIES	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	12	Collected? (✓)			
Acer rubrum	X	X	X	X		*Fuirena brevifolia				X				
Alternanthera philoxeroides	X	X		X		Fuirena scirpoidea								
Andropogon sp.						Gordonia lasianthus								
Azolla filiculoides (A. caroliniana)						Habenaria repens								
Baccharis sp.						Hymenachne amplexicaulis								
Bacopa caroliniana						Hydrilla verticillata								
Bacopa monnieri						Hydrocotyle sp.	X	X	X	X				
Bidens laevis						Hygrophila polysperma								
Bidens mitis						*Hypericum fasciculatum								
Blechnum serrulatum						*Hypericum hypericoides								
Boehmeria cylindrica	X					*Hypericum myrtifolium								
Brasenia schreberi						Ilex cassine								
Cabomba caroliniana						Ipomoea aquatica	X							
Casuarina equisetifolia						Ipomoea sagittata								
Centella asiatica						Itea virginica								
Cephalanthus occidentalis						Juncus effusus								
Ceratophyllum demersum						*Juncus marginatus								
Chara sp.						*Juncus megacephalus								
Cladium jamaicense						Juncus repens								
Cliftonia monophylla			X	X		*Juncus scirpoides								
Colocasia esculenta			X	X		Lachnanthes caroliniana								
*Commelina						Leersia hexandra								
Crinum americanum						Landoltia punctata (Spirodela punctata)								
*Cyperus alternifolius (C. involucratus)						Lemna sp.			X	X				
Cyperus articulatus						Leucothoe racemosa (Eubotrys racemosa)								
Cyperus haspan						Limnobia spongia								
*Cyperus lecontei						Limnophila sessiliflora								
*Cyperus polystachyos				X		Liquidambar styraciflua				X				
*Cyperus odoratus	X					*Ludwigia arcuata								
*Cyperus surinamensis						*Ludwigia leptocarpa								
Cyrtilla racemiflora						*Ludwigia linearis								
Decodon verticillatus						*Ludwigia octovalvis								
Diodia virginiana						*Ludwigia peruviana	X	X	X	X				
*Echinochloa crus-galli						*Ludwigia repens								
*Echinochloa muricatum						*Ludwigia								
Echinochloa walteri						Luziola fluitans (Hydrochloa carolinensis)								
Eclipta prostrata (E. alba)						Lyonia lucida								
Egeria densa														
Eichhornia crassipes			X	X		Ludwigia grandiflora				X				
*Eleocharis baldwinii														
*Eleocharis														
Eleocharis cellulosa														
Eleocharis equisetoides														
Eleocharis interstincta				X										
*Eriocaulon compressum														
*Eriocaulon decangulare														
Eupatorium capillifolium	X	X												

Site: Lake WeeksDate: 08/01/2018

SPECIES					Collected? (✓)	SPECIES					Collected? (✓)
	3	6	9	12			3	6	9	12	
Magnolia virginiana						Sabal palmetto					
Mayaca fluviatilis						Sacciolepis striata					
Melaleuca quinquenervia						*Sagittaria filiformis					
Micranthemum glomeratum						*Sagittaria graminea					
Micranthemum umbrosum						*Sagittaria isoetiformis					
Mikania scandens			X			Sagittaria lancifolia					
Mimosa pigra						Sagittaria latifolia					
Myrica cerifera		X				Salix caroliniana		X	X	X	
Myriophyllum aquaticum						Salvinia minima	X		X	X	
*Myriophyllum heterophyllum						Sambucus canadensis					
*Myriophyllum laxum						Sapium sebiferum		X			
*Myriophyllum pinnatum						Saururus cernuus					
Myriophyllum spicatum						Schinus terebinthifolius					
*Najas filifolia						*Schoenoplectus californicus (Cali bulrush)	X				
*Najas guadalupensis						*Schoenoplectus pungens (three square)					
*Najas minor						*Schoenoplectus tabernaemontani (softstem)					
Nelumbo lutea						Scirpus cubensis (Oxycaryon cubense)					
Nitella spp.						Scirpus cyperinus					
Nuphar sp.	X	X		X		*Sesbania					
Nymphaea odorata						Solidago sp.					
Nymphoides aquatica						Sparganium americanum					
Nyssa sylvatica var. biflora						Spartina bakeri					
Orontium aquaticum						Sphagneticola trilobata (Wedelia)					
Osmunda cinnamomea						Spirodela polyrrhiza					
Osmunda regalis						Taxodium sp.	X				
Panicum hemitomon						Thalia geniculata					
Panicum repens	X	X	X	X		Thelypteris palustris		X		X	
Paspalidium geminatum	X					Triadenum virginicum					
*Paspalum repens						Typha sp.	X	X	X	X	
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides	X	X	X	X		*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)	X		X	X		Vallisneria americana					
*Polygonum hydropiperoides				X		*Websteria confervoides					
*Polygonum punctatum						Wolffiella spp.					
*Polygonum sp.						Woodwardia virginica					
Pontederia cordata	X	X	X	X		Xyris sp.					
*Potamogeton diversifolius						Zizania aquatica					
*Potamogeton illinoensis						Zizaniopsis milacea					
*Potamogeton pusillus											
*Potamogeton pectinatus						<u>Cow Pea - Vigna lig luteola</u>	X	X	X		
Proserpinaca pectinata						<u>Urena lobata</u>			X	X	
*Rhexia						<u>Nymphaea odorata</u>			X		
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											

WBID 1547C_Lake Weeks



Florida Department of Environmental Protection

Central Laboratory Submittal Form

LVIs_Weeks & Long Pond

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: J Ashton, S Meyer, B Paswater

Sampling Agency: FDEP SW ROC

Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 08/01/2018	Time 11:00	Eastern	Composite end	Bottle Group(s)
Field ID/WIN		G2SW0073		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.24		☒ mg/L	Total Res. Chlorine	A
WIN/S		Site Name: Long Pond @ Center		Temp (C) 29.5		pH 6.64		☐ % sat	(mg/L)	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.07		Sample Depth 0.3		☐ ft ☒ m	Sp. Conductance (umho/cm) 149	
Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 08/01/2018	Time 12:30	Eastern	Composite end	Bottle Group(s)
Field ID/WIN		G2SW0068		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 8.97		☒ mg/L	Total Res. Chlorine	A
WIN/S		Site Name: Lake Weeks @ Center		Temp (C) 30.2		pH 7.16		☐ % sat	(mg/L)	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.06		Sample Depth 0.3		☐ ft ☒ m	Sp. Conductance (umho/cm) 134	
Location		☐ Comp	Collection (comp begin or grab)		☐ Grab	Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L		Total Res. Chlorine		
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		
Location		☐ Comp	Collection (comp begin or grab)		☐ Grab	Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L		Total Res. Chlorine		
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		

Relinquished By: Sarah Meyer	Date/Time 16:30 08/01/2018	Shipping Method FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time
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Ref: Date: 28 Jun 18 SHIPPING: 0.00
 Dep: Wgt: 40.00 LBS SPECIAL: 0.00
 DV: HANDLING: 0.00
 0.00 TOTAL: 0.00

SVR: PRIORITY OVERNIGHT Master 4385 5030 9454
 TRK: 4385 5030 9454

Group: A	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
ALKALINITY					
TURBIDITY					
W-CL-IC					
W-COLOR					
W-F					
W-SO4-IC					
W-TDS					
W-TSS					

Group: A	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
CHLSUITE-W					

Group: A	Bottle Type: P-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
SWD-AEL-EC					
*Dropped off @ AEL					

Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
H2SO4 LOT# SA6085176 EXP: 03/26/19					

Group: A	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
W-PO4-F					



☐	<u>Gainesville:</u> 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
☐	<u>Jacksonville:</u> 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐	<u>Tallahassee:</u> 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
☒	<u>Tampa:</u> 9810 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

[illegible]