

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____
(Initials/Date) (Initials/Date) (Initials/Date)

QA/QC Sample Information Duplicate

Time Zone: EST CEN		Time: _____		Field ID: _____	
(WIN ID + DUP)					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ 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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains: 1:1 H2SO4
Lot No.: SA8085170
Expires: 03/26/19
See Safety Data Sheet (SDS)

Place Preservative Sticker(s) Here

Blank

Time Zone: EST CEN		Time: 1120		Field ID: _____	
(BLANK_DMMYYYY)					
DI Source: _____		Location: _____			
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____			
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ 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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Place Preservative Sticker(s) Here
(If Available)

Notes:

A Kit Blank
Parameters

Field ID/WIN

BLANK



Site Name: Field Blank_07/16/2018

Signature:

[Signature]

Date:

7/16/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: see sticker in upper right MACROPHYTE ID: _____
 COUNTY: _____ WBID: _____
 LAKE SIZE: _____ TIME: _____
 SAMPLING AGENCY: FLDEP SW ROC

Field ID/WIN

G2SW0071

 Site Name: Lake Padgett @ Center
WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category -- from GIS) : Forest/Natural <u>3</u> Silviculture _____ Field/Pasture <u>5</u> Agricultural <u>2</u> Residential <u>80</u> Commercial <u>10</u> Industrial _____ Other (Specify) _____							LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: _____ Land Use Source & Year: _____					
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>6a</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 <u>6</u>			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) <u>10</u> 9 8 7 6			Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1	
BUFFER ZONE <u>5</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 <u>5</u> 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: Depth (M) <u>0.3</u> Temp. (°C) <u>31.4</u> pH (SU) <u>7.17</u> D.O. (MG/L) <u>7.45</u> D.O. Sat. (%) _____ Cond. (UMHO/CM) _____ Salinity (PPT) _____ Mid-Depth: _____ Bottom: <u>1.7</u> <u>31.4</u> <u>7.09</u> <u>7.02</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>Ben Paswater</u> <u>Judy Ashton</u>								SIGNATURE: <u>Ben Paswater</u>			
DATE: <u>7/16/18</u>								Additional Notes:			

STORET STATION NUMBER: SEE STICKER UPPER RIGHT	LAKE SIZE: <i>Mid</i>	LAKE NAME	
ECO-REGION:	COUNTY: <i>Pasco</i>	SAMPLING LOCATION/DE	
PARAMETER		Site Name: Lake Padgett @ Center	
HYDROLOGY	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 ☐		
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
Secchi <i>11</i>	Secchi > 3 m Or VOB	3 2.6 2.2 1.8 1.4 15 14 13 12 <i>11</i>	1.0 0.9 0.8 0.7 0.6 10 9 8 7 6
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
Vegetation Quality <i>11</i>	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
	20 19 18 17 16	15 14 13 12 <i>11</i>	10 9 8 7 6
Stormwater Inputs <i>6</i>	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
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 <i>6</i>
Bottom Substrate Quality <i>18</i>	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
	20 19 <i>18</i> 17 16	15 14 13 12 11	10 9 8 7 6
Lakeside Adverse Human Alternations <i>18</i>	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
	20 19 18 17 16	15 14 13 12 11	<i>10</i> 9 8 7 6
Upland Buffer Zone <i>5</i>	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
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6 <i>5</i>
Adverse Watershed Land Use <i>10</i>	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		
	20 19 18 17 16	15 14 13 12 11	<i>10</i> 9 8 7 6 5 4 3 2 1

TOTAL
SCORE*71*

COMMENTS:

ANALYSIS DATE:

7/16/18

ANALYST:

Ben Paswater, Judy Ashton

SIGNATURE:

Ben Paswater

G2SW0071



Waterbody: LAKE PASLETT

County: HISCO

Signature: Jack

Analyst: J. A.

Site Name: Lake Padgett @ Center

quired. *Genera that may require lab verification*

Lake units sampled (circle one group):

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

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.

SPECIES	10	7	4	1	Collec ted? (✓)	SPECIES	10	7	4	1	Collec ted? (✓)
Acer rubrum	X	X	X	X		*Fuirena					
Alternanthera philoxeroides	X	X	X	X		Fuirena scirpoidea					
Andropogon sp.						Gordonia lasianthus					
Azolla filiculoides (A. caroliniana)						Habenaria repens					
Baccharis sp.						Hymenachne amplexicaulis					
Bacopa caroliniana						Hydrilla verticillata	X	X	X	X	
Bacopa monnieri						Hydrocotyle sp.	X	X	X	X	
Bidens laevis						Hygrophila polysperma					
Bidens mitis						*Hypericum fasciculatum					
Blechnum serrulatum	X	X	X			*Hypericum hypericoides					
Boehmeria cylindrica						*Hypericum myrtifolium					
Brasenia schreberi						Ilex cassine	X	X			
Cabomba caroliniana						Ipomoea aquatica					
Casuarina equisetifolia	X					Ipomoea sagittata					
Centella asiatica						Itea virginica					
Cephalanthus occidentalis						Juncus effusus					
Ceratophyllum demersum						*Juncus marginatus					
Chara sp.		X				*Juncus megacephalus					
Cladium jamaicense		X				Juncus repens					
Cliftonia monophylla						*Juncus scirpoides					
Colocasia esculenta		X	X			Lachnanthes caroliniana					
*Commelina		X	X			Leersia hexandra					
Crinum americanum						Landoltia punctata (Spirodela punctata)					
*Cyperus alternifolius (C. involucratus)						Lemna sp.					
Cyperus articulatus						Leucothoe racemosa (Eubotrys racemosa)					
Cyperus haspan						Limnium spongia					
*Cyperus lecontei						Limnophila sessiliflora					
*Cyperus polystachyos			X			Liquidambar styraciflua					
*Cyperus odoratus	X	X	X	X		*Ludwigia arcuata					
*Cyperus surinamensis			X			*Ludwigia leptocarpa					
Cyrilla racemiflora						*Ludwigia linearis					
Decodon verticillatus						*Ludwigia octovalvis					
Diodia virginiana						*Ludwigia peruviana	X		X		
*Echinochloa crus-galli						*Ludwigia repens			X		
*Echinochloa muricatum						*Ludwigia	X		X		✓
Echinochloa walteri				X		Luziola fluitans (Hydrochloa carolinensis)			X		
Eclipta prostrata (E. alba)						Lyonia lucida					
Egeria densa						FLAT SEDGE		X	X		✓
Eichhornia crassipes			X	X		ELM		X			
*Eleocharis baldwinii											
*Eleocharis											
Eleocharis cellulosa											
Eleocharis equisetoides			X	X							
Eleocharis interstincta			X								
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium	X	X									
						PINK EGGS	X	X	X	✓	

Site:						Date:					
SPECIES	10	7	4	1	Collected? (✓)	SPECIES	10	7	4	1	Collected? (✓)
Magnolia virginiana						Sabal palmetto					
Mayaca fluviatilis						Sacciolepis striata	X				
Melaleuca quinquenervia	X	X				*Sagittaria filiformis					
Micranthemum glomeratum						*Sagittaria graminea					
Micranthemum umbrosum	X	X				*Sagittaria isoetiformis					
Mikania scandens						Sagittaria lancifolia	X	X	X	X	
Mimosa pigra						Sagittaria latifolia					
Myrica cerifera	X	X				Salix caroliniana	X	X			
Myriophyllum aquaticum						Salvinia minima	X	X	X	X	
*Myriophyllum heterophyllum						Sambucus canadensis					
*Myriophyllum laxum						Sapium sebiferum					
*Myriophyllum pinnatum						Saururus cernuus					
Myriophyllum spicatum						Schinus terebinthifolius	X		X		
*Najas filifolia						*Schoenoplectus californicus (Cali bulrush)					
*Najas guadalupensis						*Schoenoplectus pungens (three square)					
*Najas minor						*Schoenoplectus tabernaemontani (softstem)					
Nelumbo lutea						Scirpus cubensis (Oxycaryon cubense)					
Nitella spp.						Scirpus cyperinus					
Nuphar sp.						*Sesbania					
Nymphaea odorata						Solidago sp.					
Nymphoides aquatica						Sparganium americanum					
Nyssa sylvatica var. biflora						Spartina bakeri					
Orontium aquaticum						Sphagneticola trilobata (Wedelia)					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.	X	X	X	X	
Panicum hemitomon						Thalia geniculata					
Panicum repens	X	X	D	B		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.	CD	X	X		
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)			X		
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.		X				*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.		X				*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana	S	D	X	X	
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum	X		X	X		Wolffiella spp.					
*Polygonum sp.						Woodwardia virginica					
Pontederia cordata	X					Xyris sp.					
*Potamogeton diversifolius						Zizania aquatica					
*Potamogeton illinoensis						Zizaniopsis milacea					
*Potamogeton pusillus						WISILIA	X	7	X	X	
*Potamogeton pectinatus											
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											



Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
Jacksonville: 6661 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
Tallahassee: 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9676 • Fax 813.630.4337

Client Name:		FDEP SW Dist.		Project Name:		SMP	
Address: 13051 N. Telecom Pkwy, Temple Terrace FL 33637		P.O. Number: B370AE		BOTTLE SIZE & TYPE			
Phone: 813-470-5770		Contact: Judy Ashton 813-470-5772		Special Instructions: RQ-2018-07-16-37			
Turn Around Time: ☒ STANDARD ☐ RUSH		Page: of		Analysis Required			
Field ID#		SAMPLE DESCRIPTION		Grab Comp		EQUIP	
				DATE		TIME	
				MATRIX		NO. COUNT	
				PRE SER. VATI Z			
				LABORATORY I.D. #			

Field ID# G2SW0072 **Site Name:** Lake Floyd @ Center East
Field ID# G2SW0071 **Site Name:** Lake Padgett @ Center

(Not Sampled)

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge	Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)	Temperature when received _____ (in degrees Celsius)
Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank	Requisitioned by: _____ Date: _____ Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: DA A: 3A M: 3A S: IV	PWS ID: _____ FOR DRINKING WATER USE

Page 1 of 2
last revised Jan 25, 2018

Field Report Prepared By:

Sampling Agency:

[illegible]

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

H2SO4
Lot# SR005170
EXP: 03/26/19