

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: 154179

RQ: 2021-05-17-64

Project: RSP-Lake

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	F Butler	5/26	8:15	24.0	768	8.5	8.5	100.0			P/F	L/F
ICV	↓		8:17	23.9	767	8.5	8.5	100.0			P/F	L/F
CCV	↓	5/26	16:15	22.7	765	8.7	8.7	100.1			P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	F Butler	5/26	8:20	2001245	08/2021	100.0	100.0	P/F	L/F
ICV	↓	8/26	8:22	201013A	10/2021	100	104.1	P/F	L/F
CCV	F Butler	5/26	16:20	201013A	10/2021	100	101.1	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	F Butler	5/26	8:25	202114	5/22	7.	24.1	7.00	-34.3	P/F	L/F
Calibr.	↓		8:27	205203	10/2021	4.	24.2	9.00	144.9	P/F	L/F
Calibr.	↓		8:32	201473	5/2022	10.	24.1	10.0	-22.6	P/F	L/F
ICV	↓		8:35	205203	10/2021	4.0	24.0	9.09	142.4	P/F	L/F
CCV	F Butler	5/26	16:28	202114	5/22	7.0	23.7	7.0	-35.7	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: 2/9/2021

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	F Butler	5/26/21	8:40	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

REMARKS:

Campbell Lake 32010049
 Sp Conductivity in Field < 100 umhos

Site Name Campbell Lake

Date: 05/26/2021

Storet 32010049

Field ID CAMPBELREF

Project: Reference Lakes

Visit ID 82272

RQ: 2021-05-17-64

MACRO ID 11883

LIMS ID: 2250649

HA ID 16822

WBID: 959A

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 05/27/2021 ☒ Date and Initial QA: 8/2/2021, SS HA Score: 120

☒ LVI entered in SBIO Initial FB, 07/29/2021 ☒ Date and Initial QA: 8/2/2021, SS

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macrophyte authorized in SBIO

☒ Date and Initial: 8/31/2021, FB

☒ Macro score: 71

☐ If SMP, scanned into database

Notes:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 82272 **MACROPHYTE ID:** 11883 **LATITUDE:** N:30.36609
COUNTY: Walton **STORET #:** 32010049 **LONGITUDE:** W:86.29139
DATE: 5/26/21 **TIME:** 11:25 CST **SAMPLING AGENCY:** FL DEP - NWROC
SITE NAME: Campbell Lake **WBID:** 959A
FIELD ID/NAME: CAMPBELREF **LAKE SIZE:** 108 **RQ:** 2021-05-17-64
WATERSHED / LAKESIDE FEATURES Gulf of Mexico **LIMS ID:** 2250649

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: <u>1.26</u>				
☒	☒	☐	☐	☒	☒	☐	☒ Park					
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>28</u>		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)				
<u>19</u>		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				
<u>24</u>		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: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH < 2 ☐ No Color Sample Taken? ☐ Yes ☐ No Lot # <u>SA0243404</u> Exp. Date: <u>10/19/2021</u> Alkalinity Sample Taken? ☐ Yes ☐ No <u>NA0344060</u> Water Level ☐ Low ☒ Normal ☐ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____							
Meter Readings: Top: <u>0.3</u> <u>23.9</u> <u>4.70</u> <u>7.87</u> <u>101.1</u> <u>80.2</u> <u>0.04</u> Mid-Depth: <u>2.0</u> <u>25.5</u> <u>4.60</u> <u>7.18</u> <u>87.1</u> <u>79.8</u> <u>0.04</u> Bottom: <u>4.6</u> <u>25.0</u> <u>4.54</u> <u>5.56</u> <u>66.4</u> <u>80.2</u> <u>0.04</u>								Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____							
Meter ID: <u>154179</u>								Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid SECCHI (M) <u>1.9</u> Total Station Depth (M) <u>5.1</u>							
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☒ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____								Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic							
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: YSI Post Verification Good															
Weather Conditions: <u>Sunny, Gorgeous</u>															
SAMPLING TEAM: Frank Butera, <u>Heather Schmalz</u>								SIGNATURE: <u>[Signature]</u>				DATE: <u>[Signature]</u>			

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

STORET STATION NUMBER: 32010049	DATE (M/D/Y) 5/26/2021	LAKE NAME CAMPBELL LAKE		FIELD ID / NAME CAMPBELREF	
WBID: 959A	COUNTY: WALTON	SAMPLING LOCATION/DESCRIPTION: CAMPBELL LAKE REFERENCE		LAKE SIZE: 108	
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 12	Secchi >3 m Or VOB 20 19 18 17 16	3 2.6 2.2 1.8 1.4 15 14 13 12 11	1.0 0.9 0.8 0.7 0.6 10 9 8 7 6	0.5 0.4 0.3 0.2 0.1 5 4 3 2 1	
Vegetation Quality 17	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa 20 19 18 17 16	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants 15 14 13 12 11	Large masses (21%- 40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats 10 9 8 7 6	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed) 5 4 3 2 1	
Stormwater Inputs 20	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	
Bottom Substrate Quality 14	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present 20 19 18 17 16	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present 15 14 13 12 11	Moderate layer of CPOM/ mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom 10 9 8 7 6	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom 5 4 3 2 1	
Lakeside Adverse Human Alterations 19	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) 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	
Upland Buffer Zone 24	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	
Adverse Watershed Land Use 18	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				

TOTAL SCORE 124 COMMENTS:

ANALYSIS DATE: 5/26/2021 ANALYST: F. BUTERA SIGNATURE: 

SBIO Sample ID: B2272 Macro-ID: 16822 QC✓: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

5/26/2021

Waterbody: Campbell Lake	County: Walton	Date: 5/26/2021
Analyst: F. Butera	Signature: <i>[Signature]</i>	STORET: 32010049
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

SBIO ID <u>82272</u>	2	5	8	11	Collect ed? (✓)	Macro ID <u>11883</u>	2	5	8	11	Collect ed? (✓)
SPECIES						SPECIES					
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata					
Andropogon sp.				1		Hydrocotyle sp.	1	1	1	1	
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma	1	1	1	1	
Baccharis sp.						*Hypericum fasciculatum					
Bacopa caroliniana	1	1		1		*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis						Ipomoea aquatica					
Blechnum serrulatum						Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi						Juncus effusus					
Cabomba caroliniana						*Juncus marginatus			1		
Casuarina equisetifolia						*Juncus megacephalus <i>pilicardus</i>				1	
Centella asiatica				1		Juncus repens					
Cephalanthus occidentalis		1	1	1		*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana	1				
Chara sp.						Leersia hexandra		1	1		
Cladium jamaicense						Landoltia punctata (Spiro. punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta						Leucothoe racemosa (E. racemosa)					
*Commelina						Limnobia spongia					
Crinum americanum						Limnophila sessiliflora					
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua					
Cyperus articulatus						*Ludwigia arcuata					
Cyperus haspan						*Ludwigia leptocarpa					
*Cyperus lecontei	1	1		1		*Ludwigia linearis					
*Cyperus polystachyos						*Ludwigia octovalvis					
*Cyperus odoratus						*Ludwigia peruviana					
*Cyperus surinamensis						*Ludwigia repens					
Cyrtilla racemiflora	1		1	1		*Ludwigia					
Decodon verticillatus						Luziola fluitans (H. carolinensis)	1				
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli						Magnolia virginiana					
*Echinochloa muricatum						Mayaca fluviatilis					
Echinochloa walteri						Melaleuca quinquenervia					
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes						Mikania scandens					
*Eleocharis baldwinii		1		1		Mimosa pigra					
*Eleocharis						Myrica cerifera	1	1	1	1	
Eleocharis cellulosa						<i>Ludwigia sp. cf. leptocarpa</i>	1				
Eleocharis equisetoides	1	1				<i>Green Algae</i>	1				
Eleocharis interstincta						<i>Cyperus lecontei</i>					
*Eriocaulon compressum						<i>Dulichium</i>					
*Eriocaulon decangulare						<i>Eriocaulon</i>					
Eupatorium capillifolium						<i>Eleocharis (sp.)</i>					
*Fuirena											
Fuirena scirpoidea	1	1		1							
Gordonia lasianthus						<i>Eriocaulon lineare</i>				1	1

LIMS ID: 2250649

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

[illegible]

Station: Campbell Lake
 GPS Dec. 30.36609 x -86.29139
 Storet: 32010049 WBID 959A
 Sample ID: 82272 Macro ID: 11883
 RQ-2021-05-17-64

Sampled : 05/26/2021
 Sampled By: F.Butera, H. Schmuki
 Location: Santa Rosa Beach, Walton.
 Receiving Waters: Gulf of Mexico
 LIMS ID: 2250649

	Taxa	2	5	8	11	Coll.	Verified
1	<i>Andropogon</i> sp.				1		
2	<i>Cyperus lecontei</i>		1		1		
3	<i>Dulichium arundinaceum</i>				1		
4	<i>Eleocharis baldwinii</i>		1		1		
5	<i>Eleocharis equisetoides</i>	1	1	1			
6	<i>Eleocharis</i> sp.				1		
7	<i>Eriocaulon</i> sp.				1		
8	<i>Fuirena scirpoidea</i>	1	1		C		
9	<i>Juncus marginatus</i>			1			
10	<i>Juncus polycephalus</i>				1		
11	<i>Lachnanthes caroliniana</i>	1					
12	<i>Leersia hexandra</i>		1	1			
13	<i>Luziola fluitans</i> (Michx.)	1					
14	<i>Panicum repens</i>	1	1	1	1		
15	<i>Phragmites australis</i>		1	C			
16	<i>Xyris</i> sp.				1		
17	<i>Bacopa caroliniana</i>	1	1		1		
18	<i>Hydrocotyle</i> sp.	1	1	1	1		
19	<i>Hypericum fasciculatum</i>	1	1	1	1		
20	<i>Ludwigia leptocarpa</i>	1			1	Y	FB
21	<i>Myriophyllum heterophyllum</i>	C	C	1	C		
22	<i>Nuphar</i> sp.	1	1	1			
23	<i>Nymphaea odorata</i>	1	1	1	1		
24	<i>Nymphoides aquatica</i>	1	1	1	1		
25	<i>Utricularia floridana</i>	C	C	C	1		
26	<i>Cephalanthus occidentalis</i>		1	1	1		
27	<i>Cyrilla racemiflora</i>	1		1	1		
28	<i>Myrica cerifera</i>	1		1	1		
29	<i>Pinus elliotii</i> (Slash)	1	1	1	1		
30	<i>Taxodium</i> sp.		1	1			
	Taxa per section	17	18	17	22	Herb. Taxa	25
	Exotic Present	1	1	1	1	Woody Taxa	5
	Avg. taxa per section	19				Ferns	0
	sections with exotics	4				Macro Algae	0
	Exotic Taxa	1	Exotics per Section: 1.0			Total Taxa	30

Seen but not counted (Not approp. For LVI or Not in surveyed segment)

Taxon	2	5	8	11
Filamentous green algae	1			1

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	69	74	74	68	71
Native Percentage	94.12	94.44	94.12	95.45	94.53
FLEPPC Pct (Exotic)	5.88	5.56	5.88	4.55	5.47
Total Taxa	17	18	17	22	18.50
C of C over 7.0	11.76	16.67	17.65	9.09	13.79
Dominant Taxa	M. hetero / U. floridana	M. hetero / U. floridana	P. australis / U. floridana	M. hetero / F. scirpoidea	M. hetero / U. floridana
C of C Dominant	5.555	5.555	5.365	5.135	5.40

DEP-SOP-001/01
FS 7000 General Biological Community Sampling

Form FD 9000-2: COMPOSITE LAKE SAMPLING SHEET (< 1000 ACRES)

Date:		Name of Lake: Campbell Lake		Gear used: PONAR		EKMAN	OTHER
Comments:							
Drop #	Depth (m)	Sediment Type (circle all that apply)	Drop #	Depth (m)	Sediment Type (circle all that apply)		
1		sand, silt/clay, CPOM, muck, SAV	7		sand, silt/clay, CPOM, muck, SAV		
2		sand, silt/clay, CPOM, muck, SAV	8	5.1	sand, silt/clay, CPOM, muck, SAV		
3		sand, silt/clay, CPOM, muck, SAV	9		sand, silt/clay, CPOM, muck, SAV		
4		sand, silt/clay, CPOM, muck, SAV	10		sand, silt/clay, CPOM, muck, SAV		
5		sand, silt/clay, CPOM, muck, SAV	11		sand, silt/clay, CPOM, muck, SAV		
6		sand, silt/clay, CPOM, muck, SAV	12		sand, silt/clay, CPOM, muck, SAV		

CPOM = coarse particulate organic matter; SAV = submerged aquatic vegetation

Storet 32010049

Field ID CAMPBELLREF

Project. Reference Lakes

SBIO ID:

WBID 959A

Paste map here and show location of each dredge drop and where water chemistry parameters were collected.

Revision Date: February 1, 2004

Photo Log

Win ID / Storet: 32010049

Station Name: Campbell Lake

Date:

Samplers. F. Butera

- 1 N
- 2 E
- 3 S
- 4 W
- 5 Sect. 8 end looking West
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Notes.

REFERENCE LAKE

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: Frank Butera

Project ID: LAKESREF

Collected By: Frank Butera, Stopher Slade

Sampling Agency: FL DEP; NWROC

Location campbell Lake		☒ Comp ☐ Grab	Collection (comp begin or grab) Date 05/26/2021 Time 11:25		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2) A
Field ID CAMPBELREF		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.87	☒ mg/L ☐ % sat.	Total Res. Chlorine (mg/L)		
WIN/STORET # 32010049		Temp (C) 28.9	pH 4.70	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 80.2		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments Phytoplankton Sample (PKD, DTY) to be preserved by receiving lab.					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat.	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat.	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat.	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By: F. Butera	Date/Time 5-26-2021 / 16:30	Shipping Method Fed Ex	Number of Coolers Shipped: 1	Received By:	Date/Time
-------------------------------	--------------------------------	---------------------------	---------------------------------	--------------	-----------

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	1
	DTY-QN-C						
	PKD-QN-C						
							<i>Preserved after shipping by Tallahassee Lab</i>
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP				Lot NA0344060		
	W-ICPMS				Exp. 01/04/2022		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3				Lot SA0293040		
	W-NO2NO3				Exp. 10/19/221		
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						

Reference Lakes	WBID	Kit	Qty	Bottle Group
Campbell Lake	959A	Fresh - Nutrients	1	A
		Metals	1	A
		Phytoplankton	1	A
RQ-2021-05-17-64				

Field ID	WBID	WIN Description	County	Lat Long	Notes (access, boat ramp, etc.)
32010049	959A	Campbell Lake	Walton	30.6366094, 86.291389	Topsail Hill State Park. Ranger Sasha Craft. Sasha.Craft@Floridadep.gov

Sulfuric Acid	SA0293040	10/19/2021
Nitric Acid	NA0344060	1/4/2022
Syringe		
PO4 Filter		

Ref:
Dep:

Date: 29Oct20
Wgt: 15.00 LBS

DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Sure-DRINITY OVERNIGHT Master 9293 8007 9160
TRCK: 9293 8007 9161

✓5/27/2021