



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Little Deer Lake

Date: 6/14/2022

WIN/Field ID: G3NW0220

WBID: 1040B

ENR:

Latitude: 30.30514

County: Walton

Org ID: 21FLPNS

Longitude: -86.08633

Receiving Body of Water: Deer Lake

RQ- 2022-06-13-31

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Frank Butera		☒		☒	☒
☒	Leif Boman	☒		☒		
☐						
☐						

Sampling Equipment

- ☒ Sample Container ☐ Carboy
☐ Dipper ☐ Van Dorn
☒ Syringe ☐ Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- ☐ Wading ☒ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☐ Other ☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded

Meter ID#

155077 (ProDSS)

Photos: No

Flow:

Tide:

Tide Times:

High: Low:

Biological Samples Collected: ☐ None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☒ LVI Other:

SBIO ID Numbers: SBIO Visit ID 84834. HA ID 17624. Macro ID 12206

Notes:

SUNNY, CLEAR SKY. PICTURES TAKEN ON CAMERA.

Duplicate Sample

Time Zone: CEN Time: Field ID: (WIN ID_DUP)

WIN DMT Activity ID:

Blank

Time Zone: Time: Field ID: (Blank Type_DDMMYYYY)

DI Source: Location:

DI Type: Equipment ID:

DI Container (Name/ID):

DI Container Type:

LIMS EVENT ID: 2335028

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

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



RQ-2022-06-13-31
Customer: NW-DIST
Project ID: STRATEGIC MONITORING PLAN

Collected By: Frank Butera, Other
Field Report Prepared By: Frank Butera
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID: G3NW0220 Location: Little Deer Lake						Comments:						
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)		
6/14/2022	1233 CEN	5.48	76.2	33.2	6.35	0.3	0.9 ☐ VOB (S)	1.8	152.4	0.07		
	1236 CEN	2.95	39.3	30.7	6.25	1.3	Central Lab please use top row for login purposes		151.3	0.07		
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 #	SA1308030		Exp:	12/01/2022						
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A		
		Lot #	NA1286110		Exp:	11/16/2022						
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A		
		Filter Lot #	17460495			Syringe Lot #	100553					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice						
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-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ 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		MCAA Exp.	1	A		
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		WE8321-MS		☒ W-PSNP-TQ		W-CT-CL-R		MCAA Lot#	4	A
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-TR-SQ-R						
Phytoplankton/Periphyton		W-PCB-TQ-R										
				DTY-QN-C		PKD-QN-C				☐ Ice		
Name: Frank Butera, Leif Boman Other						Signature:			Date: 06/14/2022			

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Site Name Little Deer Lake

Date: 06/14/2022

WIN-ID G3NW0220

Field ID G3NW0220

Project: SMP / TMDL Studies

Visit ID 84834

RQ: 2022-05-13-31

Macro ID 12206

LIMS ID: 2335028

HA ID 17624

WBID: 1040B

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 7/20/22

☒ Date and Initial QA: 7/28/22, SS HA Score 104

☒ LVI entered in SBIO Initial FB, 7/20/22

☒ Date and Initial QA: 7/28/22, SS

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: 8/01/22, FB

☒ Macro ID score: 56

☒ If SMP, scanned into database

Notes:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 84834 MACROPHYTE ID: 12206 LATITUDE: N 30.30514
 COUNTY: Santa Rosa Beach, Walton STORET #: G3NW0220 LONGITUDE: W -86.08633
 DATE: 6/14/2022 TIME: 12:33 PM SAMPLING AGENCY: FL DEP - NWROC
 SITE NAME: Little Deer Lake WBID: 1040B
 FIELD ID/NAME: G3NW0220 LAKE SIZE: 11.1 acres RQ: 2022-06-13-31
 WATERSHED / LAKESIDE FEATURES Project: SMP / TMDL Studies LIMS ID: 23516 2335028

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)										
☒	☐	☐	☐	☒	☒	☐	☐										
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☒ Moderate ☐ Heavy										Artificially Impounded ☐ Yes ☒ No							
Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy										Land Use Source & Year: SBIO 2006							
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>17</u>		20 19 18 <u>17</u> 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>13</u>		20 19 18 17 16				15 14 <u>13</u> 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>16</u>		20 19 18 17 <u>16</u>				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 # _____ Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____ Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____							
Meter Readings: Top: <u>0.3</u> <u>33.2</u> <u>6.35</u> <u>5.48</u> <u>76.2</u> <u>152.4</u> <u>0.07</u> Mid-Depth: _____ Bottom: <u>1.3</u> <u>30.7</u> <u>6.25</u> <u>2.95</u> <u>39.3</u> <u>151.3</u> <u>0.07</u> Meter ID: <u>155077</u>								Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green SECCHI (M) <u>0.9</u> Total Station Depth (M) <u>1.8</u> VOB ☐							
Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____								Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____							
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:															

Weather Conditions :

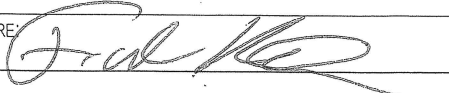
SAMPLING TEAM: Frank Butera, Leif Boman

SIGNATURE: Frank Butera

DATE: 6/14/2022

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

STORET STATION NUMBER: G3NW0220	DATE (M/D/Y) <u>06/14/2022</u>	LAKE NAME Little Deer Lake		FIELD ID / NAME G3NW0220		
WBID: 1040B	COUNTY: Santa Rosa Beach, Walton	SAMPLING LOCATION/DESCRIPTION: Access at Lakeside Drive		LAKE SIZE: 11.1 acres		
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		
Secchi	Secchi >3 m Or VOB	Secchi(m)		Poor		
<u>9</u>	20 19 18 17 16	15 14 13 12 11		10 9 8 7 6		
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa <u>18</u>	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 11		10 9 8 7 6		
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation <u>17</u>	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 6		
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present <u>16</u>	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 18 17 16	15 14 13 12 11		10 9 8 7 6		
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) <u>13</u>	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		10 9 8 7 6		
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer <u>16</u>	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		
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 <u>15</u>					
	20 19 18 17 16	15 14 13 12 11		10 9 8 7 6		
TOTAL SCORE	<u>104</u>	COMMENTS:				

ANALYSIS DATE: <u>6/14/2022</u>	ANALYST: Frank Butera	SIGNATURE: 
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SBIO Sample ID: 84834 HA ID: 17624 QC✓: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Little Deer Lake					County: Walton (Santa Rosa Beach)					Date: 6/14/2022				
Analyst: F. Butera, Leif Boman					Signature:					STORET: G3NW0220				
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 84834	3	6	9	12	Collect ed? (✓)	Macro ID 12206	3	6	9	12	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum						Habenaria repens								
Alternanthera philoxeroides						Hydrilla verticillata								
Andropogon sp.						Hydrocotyle sp.								
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma								
Baccharis sp.						*Hypericum fasciculatum								
Bacopa caroliniana	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								
Casuarina equisetifolia						*Juncus megacephalus								
Centella asiatica						Juncus repens								
Cephalanthus occidentalis						*Juncus scirpoides								
Ceratophyllum demersum						Lachnanthes caroliniana				1				
Chara sp.						Leersia hexandra								
Cladium jamaicense						Landoltia punctata (Spiro. punctata)								
Cliftonia monophylla	1		1	1		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						*Ludwigia linearis								
*Cyperus polystachyos						*Ludwigia octovalvis								
*Cyperus odoratus						* Ludwigia peruviana								
*Cyperus surinamensis sp					✓ 15	*Ludwigia repens								
Cyrilla racemiflora	1	1	1	1		*Ludwigia								
Decodon verticillatus						Luziola fluitans (H. carolinensis)								
Diodia virginiana						Lyonia lucida		1		1				
*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						Mimosa pigra								
*Eleocharis elongata	1	1	1	1		Myrica cerifera								
Eleocharis cellulosa						Eleocharis elongata								
Eleocharis equisetoides						Hyptis								
Eleocharis interstincta						Hyptis								
*Eriocaulon compressum						Hyptis								
*Eriocaulon decangulare						Hyptis								
Eupatorium capillifolium						Eleocharis								
*Fuirena scirpoidea	1	1	1	1										
Fuirena scirpoidea														
Gordonia lasianthus														
LIMS ID: 2335028														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Revision Date: March 1, 2014

[illegible]

Photo Log

Win ID / Storet: G3NW0220

Station Name: Little Deer Lake

Date: 6/14/2022

Samplers: Frank Butera, Leif Berman (CFROC)

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

Notes.

Station: Coleman Lake
 GPS Dec. 30.40236 x -86.48003
 Storet: G3NW0216 WBID 906B
 Sample ID: 84718 Macro ID: 12206
 RQ-2022-06-13-31

Sampled: 06/14/2022
 Sampled By: F. Butera, Leif Boman
 Location: Destin, Okaloosa
 Receiving Waters: Joe's Bayou
 LIMS ID: 2341417

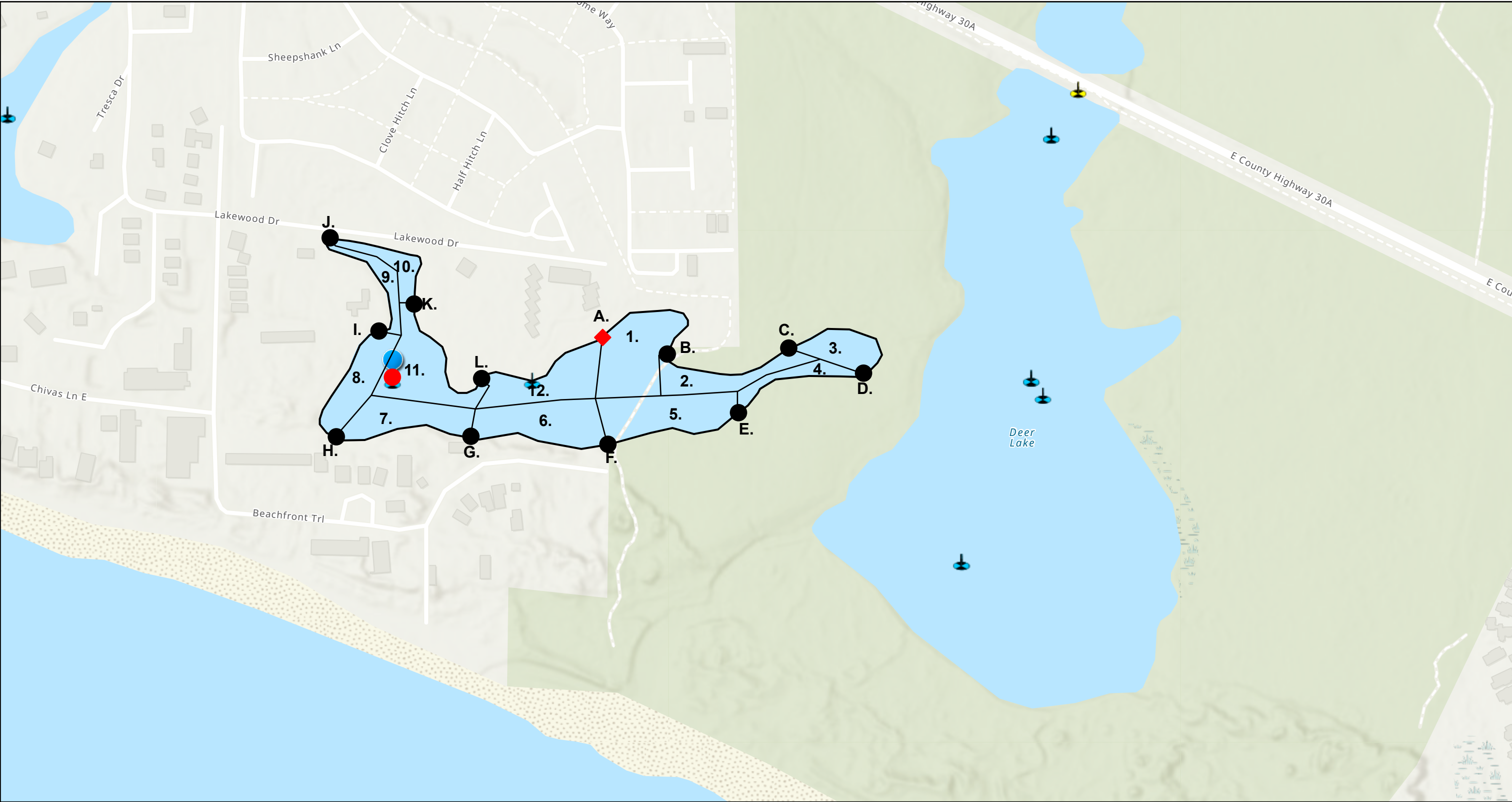
	Taxa	3	6	9	12	Coll.	Verified
1	<i>Bacopa caroliniana</i>	1					
2	<i>Cliftonia monophylla</i>	1		1	1		
3	<i>Cyperus</i> sp.		1			Y	FB *
4	<i>Cyrtilla racemiflora</i>	1	1	1	1		
5	<i>Eleocharis baldwinii</i>		1	1			
6	<i>Eleocharis elongata</i>	1	1	1	1		
7	<i>Eleocharis vivipara</i> (submersed)				1		
8	<i>Fuirena scirpoidea</i>	1	1	1	C		
9	<i>Hymenocallis choctawensis</i>			1			
10	<i>Hypericum fasciculatum</i>	1			1		
11	<i>Lachnanthes carolina</i>				1		
12	<i>Lyonia lucida</i>		1		1		
13	<i>Myrica cerifera</i>			1			
14	<i>Nymphaea odorata</i>	1	1	C	1		
15	<i>Nymphoides aquatica</i>				1		
16	<i>Panicum hemitomom</i>		1	1			
17	<i>Panicum repens</i>	1	1	1			
18	<i>Pinus elliotii</i> (Slash)				1		
19	<i>Rhynchospora inundata</i>	1			C		
20	<i>Sapium sebiferum</i>		1	1			
21	<i>Typha</i> sp.				1		
22	<i>Utricularia cornuta</i>	1					
23	<i>Utricularia floridana</i>	D	D	C			
24	<i>Utricularia gibba</i>			1			
25	<i>Utricularia purpurea</i>	1	1				
26	<i>Utricularia resupinata</i>	1			1		
27	<i>Vitis</i> sp.			1			
28	<i>Woodwardia areolata</i>	1			1		
29	<i>Xyris</i> sp.	1					
	Taxa per section	14	12	14	15	Herb. Taxa	22
	Exotic Present	1	2	2	0	Woody Taxa	6
	Avg. taxa per section	14				Ferns	1
	sections with exotics	3				Macro Algae	0
	Exotic Taxa	2	Exotics per Section: 1.25			Total Taxa	29

* *Cyperus* sp. field identified as *C. surinamensis*, but could not confirm at lab.

Seen but not counted (Not approp. For LVI or Not in surveyed segment)				
Taxon	Section	Section	Section	Section
<i>Websteria confervoides</i>				
<i>Cladium jamaicense</i>				
<i>Eriocaulon</i> spp.				

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	66	39	46	71	56
Native Percentage	93.33	75	85.71	100	88.51
FLEPPC Pct (Exotic)	6.67	16.67	14.29	0	9.41
Total Taxa	15	12	14	15	29
C of C over 7.0	6.67	0	0	6.67	3.34
Dominant Taxa	<i>Utricularia floridana</i>	<i>Utricularia floridana</i>	<i>U. floridana</i> , <i>Nymphaea odorata</i>	<i>U. floridana</i> , <i>Rhynchospora inundata</i>	<i>U. floridana</i> , <i>N. odorata</i> , <i>R. inundata</i>
C of C Dominant	6.34	6.34	5.67	4.75	5.78

G3NW0220. Little Deer Lake. LVI-Map

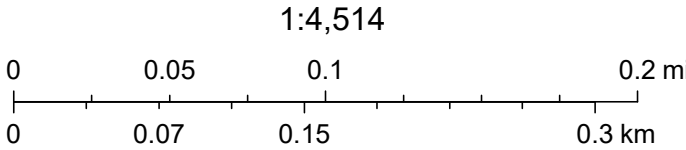


June 2, 2022

STORET Stations

 Lake

 River/Stream



FDEP, DEAR, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Little Deer Lake

WIN ID G3NW0220
Receiving Water Little Deer Lake
Basin / WBID St. Andrews Bay / 1040B
City, County Santa Rosa Beach, Walton
Lake Acreage 11.1 acres / 4.49 Hectares
Circumference (M) 1712
Seg. Length (M) 143

Section	Location	Dec. Latt.	Dec. Long.
11	Storet	30.30514	-86.08633
	A	30.30511	-86.08408
	B	30.30536	-86.08338
3	C	30.30541	-86.08208
	D	30.30518	-86.08128
	E	30.30481	-86.08262
6	F	30.30452	-86.08402
	G	30.30460	-86.08549
	H	30.30459	-86.08693
9	I	30.30557	-86.08648
	J	30.30643	-86.08700
	K	30.30582	-86.08610
12	L	30.30513	-86.08538
	A	30.30551	-86.08408