



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:		UNNAMED LAKE				Sample Date:		9/15/2022	
WIN / Field ID:	G3NW0223	ORG ID:	21FLPNS	ENR:		Latitude:	30.49748		
County:	Okaloosa	WBID:	722D	LAKE	3F	Longitude:	-86.41636		
Receiving Body of Water:		Rocky Bayou				RQ-	2022-08-08-31		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Frank Butera	x		x		
Lauren McNally		x		x	x

Sampling Equipment			
x	Sample Container	Carboy	
	Dipper	Van Dorn	
x	Syringe	Pole	
Syringe Lot# 1363514		Filter Lot# 17460495	
Secchi Equipment ID:		Secchi -1	
Collection Method			
	Wading	x	Canoe/Kayak
	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With Meter			

Water Level:	Normal
Flow:	NA
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	No
Meter ID:	Trend YSI

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
CEN	1215	0.74	0.3	10.17	124.2	25.5	5.52	0.74	42.4	0.02
								VOB (s)		

Biological Samples Collected:		HA LVI	
SBIO Visit ID: 85483 HA ID: 17940 RPS ID: N/A Macrophyte ID: 12321 LIMS Sample ID Entered Into The Macrophyte Module: 2357284			

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation								
				Type	Lot#	Expiration Date	pH Check					
Microbiology												
Chlorophyll	CHLSUITE-W			ICE								
Physical/Aggregate Nutrients	ALKALINITY, TURBIDITY, W-F, W-TSS			ICE								
	W-CL-IC, W-COLOR, W-SO4-IC, W-TDS			ICE								
Filtered Nutrients	W-PO4-F	Field Filtered 0.45 µm Filter		ICE								
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			ICE	H2SO4*	SA2145160	06/02/2023	H2SO4 pH<2				
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	1286110	11/16/2023	HNO3 pH<2				
Organics (LC)	W-E8321-DI	W-E8321-MS		Ice								
Macroinvertebrates												
Organics (GC)	W-PSNP-TQ	W-TR-SQ-R		Ice	*2.0 ml of H2SO4 Used Unless Noted Otherwise **2.0 ml of HNO3 Used Unless Noted Otherwise							
Molecular												
Periphyton												
Phytoplankton												
BOD												
Other(s)												
Field Comments:	Entire bottom covered in silt and periphyton											
Comments on COC:												
Relinquish Date:	09/15/2022	Signature:										

LIMS EVENT ID: _____	WIN Import ID: _____
Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date)	QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)
Save Field Sheets on Network: _____ (Initials/Date)	Migrate Data to WIN: _____ (Initials/Date)

Site Name UNAMED LAKE

Date: 09/15/2022

WIN-ID G5NW0223 Field ID G5NW0223

Project: SMP / TMDL Studies

Visit ID 85483

RQ: 2022-08-08-31

Macro ID 12321

Macro LIMS ID: 2357284

HA ID 17940

WBID: 722D

☒ LVI

☐ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 9/20/22

☒ Date and Initial QA: JB 12/5/21 HA Score 58

☒ LVI entered in SBIO Initial FB, 11/21/22

☒ Date and Initial QA: JB 12/5/21

☒ Plants getting verified

☐ Date submitted: In House

☒ Plants verified

☐ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: FB 12/5/21

☒ Macro ID score: 49

☒ If SMP, scanned into database

Notes:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 85483 MACROPHYTE ID: 12321 LATITUDE: N 30.49748
 COUNTY: Okaloosa (Niceville) STORET #: G3NW0223 LONGITUDE: W 86.41636
 DATE: 9/15/2022 TIME: 12:15 SAMPLING AGENCY: FL DEP - NWROC
 SITE NAME: Unnamed Lake at Blue Water Bay WBID: 722D
 FIELD ID/NAME: G3NW0223 LAKE SIZE: 4.81 acres RQ: 2022-08-08-31
LIMS ID: 2357284

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS): Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☒ Commercial ☒ Industrial ☐ Other (Specify) <u>Estuaries</u>					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>N/A</u>																
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:																
STORMWATER INPUTS <u>4</u>		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										
		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
LAKESIDE ALTERATIONS <u>5</u>		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)										
		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	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			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										
		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>5A2145160</u> Exp. Date: <u>6/2/23</u> Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☐ Normal ☒ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____					
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>25.5</u> <u>5.52</u> <u>10.17</u> <u>124.4</u> <u>42.4</u> Mid-Depth: _____ Bottom: _____						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____					
Meter ID: <u>TREPP 451</u>						Clarity: ☐ Clear ☒ Turbid ☐ Slightly Turbid SECCHI (M) <u>0.74</u> Total Station Depth (M) <u>0.74</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: <u>Floating Algal mats</u> <u>Dam Discharging</u>											
Weather Conditions: <u>Sunny/Partly Cloudy 80s 80°R</u>											
SAMPLING TEAM: Frank Butera, <u>Laura McNally</u>						SIGNATURE: <u>[Signature]</u>			DATE: <u>9/15/22</u>		

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

STORET STATION NUMBER: G3NW0223	DATE (M/D/Y) 9/15/2022	LAKE NAME Unnamed Lake	FIELD ID / NAME G3NW0223										
WBID: 722D	COUNTY: Okaloosa	SAMPLING LOCATION/DESCRIPTION: Buewator Bay HOA Impdmt.	LAKE SIZE: 4.8/2005										
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 ☐										
HYDROLOGY			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) ☐										
	Optimal	Suboptimal	Marginal										
Secchi ☐	Secchi > 3 m Or VOB ☐	3 2.6 2.2 1.8 1.4	1.0 0.9 0.8 0.7 0.6										
	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	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	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	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%)	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	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												
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6										
TOTAL SCORE	58.57	COMMENTS:											

ANALYSIS DATE: **9/15/22** ANALYST: **F. Butera** SIGNATURE: **[Signature]**

S BIO Sample ID: **85483** HA ID: **17940** QC: **_____**

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: UnNamed Lake					County: Okaloosa					Date: 9/15/2022				
Analyst: F. Burton					Signature: [Signature]					STORET: G3NW0223				
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				
SBIO ID <u>85483</u>	3	6	9	12	Collect ed? (✓)	Macro ID _____	3	6	9	12	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum						Habenaria repens		1	1					
Alternanthera philoxeroides						Hydrilla verticillata								
Andropogon sp.						Hydrocotyle sp.	1		1	1				
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma								
Baccharis sp.						*Hypericum fasciculatum <u>Epilob</u>	1							
Bacopa caroliniana						*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium								
Bidens laevis <u>alba</u>						Ilex cassine								
Bidens mitis		1	1	1		Ipomoea aquatica								
Blechnum serrulatum		1				Ipomoea sagittata								
Boehmeria cylindrica		1	1			Itea virginica	1	1						
Brasenia schreberi						Juncus effusus								
Cabomba caroliniana						*Juncus marginatus								
Casuarina equisetifolia						*Juncus megacephalus								
Centella asiatica						Juncus repens								
Cephalanthus occidentalis		1				*Juncus scirpoides								
Ceratophyllum demersum						Lachnanthes caroliniana								
Chara sp.						Leersia hexandra								
Cladium jamaicense						Landoltia punctata (Spiro. punctata)								
Cliftonia monophylla		1	1			Lemna sp.								
Colocasia esculenta		1				Leucothoe racemosa (E. racemosa)								
*Commelina						Limnium spongia								
Crinum americanum						Limnophila sessiliflora								
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua								
Cyperus articulatus						*Ludwigia arcuata								
Cyperus haspan						*Ludwigia leptocarpa		1	1	1				
*Cyperus lecontei						*Ludwigia linearis								
*Cyperus polystachyos						*Ludwigia octovalvis								
*Cyperus odoratus						*Ludwigia peruviana								
*Cyperus surinamensis						*Ludwigia repens								
Cyrtilla racemiflora						*Ludwigia <u>grandiflora</u>		1	1					
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	1		Mimosa pigra		1						
*Eleocharis <u>lanceolata</u>		1	1	1	✓	Myrica cerifera		1	1	1				
Eleocharis cellulosa						<u>Lycopus</u>		1	1	1				
Eleocharis equisetoides						<u>Dryas</u>								
Eleocharis interstincta														
*Eriocaulon compressum														
*Eriocaulon decangulare		1		1										
Eupatorium capillifolium														
*Fuirena														
Fuirena scirpoidea														
Gordonia lasianthus														
LIMS ID: <u>2357284</u>														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Waterbody: UnNamed Lake		Storet: G3NW0223		Date: 9/15/22		SBIO ID 85423		Macro ID			
SPECIES	3	6	9	12	Collect ed? (✓)	SPECIES	3	6	9	12	Collect ed? (✓)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum	1	1	1		
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.	1	1		1		Scirpus cyperinus					
Nymphaea odorata				1		*Sesbania					
Nymphoides aquatica						Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.		1			
Panicum hemitomon						Thalia geniculata					
Panicum repens	1	1	1	1		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum	1	1	1	1	
*Paspalum repens						Typha sp.			1		
Paspalum urvillei	1	1	1	1		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						*Utricularia cornuta	1				
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphag. trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata						Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.	1			1	
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuck. pectinatus)						Phylanthus wron		1			
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											
Saccharum giganteum	1	1									
Rubus											
						*Schoenoplectus tabernaemontani = Scirpus validus					

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

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

Date: 9/15/22		Name of Lake: Clinton Lake @ Bluewater Bay		Gear used: <u>PONAR</u> <u>EKMAN</u> <u>OTHER</u>	
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	0.5	sand, silt/clay, CPOM, muck, SAV
2		sand, silt/clay, CPOM, muck, SAV	8		sand, silt/clay, CPOM, muck, SAV
3	0.5	sand, silt/clay, CPOM, muck, SAV	9	0.75	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	0.5	sand, silt/clay, CPOM, muck, SAV	12	0.75	sand, silt/clay, CPOM, muck, SAV

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

Storet G3NW023
WBID 7220

Field ID 85483
G3NW023

Project. SMP

SBIO ID: 85483

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

Station: Unnamed Lake at Blue Water Bay
 GPS Dec. 30.85106 x -85.75479
 Storet: G3NW0223 WBID 722D
 Sample ID: 85483 Macro ID: 12321
 RQ-2022-08-08-31

Sampled : 09/15/2022
 Sampled By: F. Butera, L. McNally
 Location: Niceville, Okaloosa County
 Receiving Waters: Bluewater Bay, Choctawhatchee R.
 LIMS ID: 2357284

	Taxa	3	6	9	12	Coll.	Verified
1	<i>Bidens alba</i>			1			
2	<i>Bidens mitis</i>	1	1	1	1		
3	<i>Boehmeria cylindrica</i>	1	1				
4	<i>Brasenia schreberi</i>	1					
5	<i>Centella asiatica</i>				1		
6	<i>Cephalanthus occidentalis</i>	1					
7	<i>Cliftonia monophylla</i>	1	1				
8	<i>Colocasia esculenta</i>	1			1		
9	<i>Eleocharis baldwinii</i>	1	1	1			
10	<i>Eleocharis elongata</i>	D	C	D	1	Y	FB
11	<i>Eriocaulon decangulare</i>	1			1		
12	<i>Habenaria repens</i>		1	1			
13	<i>Hydrocotyle</i> sp.	1		1	1		
14	<i>Hypericum fasciculatum</i>	1					
15	<i>Itea virginica</i>	1	1				
16	<i>Ludwigia grandiflora</i>		1	1			
17	<i>Ludwigia leptocarpa</i>		1	1	1		
18	<i>Luziola fluitans</i> (Michx.)				1		
19	<i>Lycopus</i> sp.	1	1	1	1		
20	<i>Mikania scandens</i>		1	1			
21	<i>Myrica cerifera</i>	1	1	1			
22	<i>Nuphar</i> sp.	1	1		1		
23	<i>Nymphaea odorata</i>				1		
24	<i>Panicum repens</i>	1	C	1	1		
25	<i>Paspalum urvillei</i>		1	1	1		
26	<i>Phyllanthus urinaria</i>		1				
27	<i>Rubus</i> sp.			1			
28	<i>Saccharum giganteum</i>	1	1				
29	<i>Sapium sebiferum</i>	1	1	1			
30	<i>Taxodium</i> sp.		1				
31	<i>Triadenum virginicum</i>	1	1	1	1		
32	<i>Typha</i> sp.		1				
33	<i>Utricularia cornuta</i>	1					
34	<i>Xyris</i> sp.	1			1		
	Taxa per section	21	21	15	15	Herb. Taxa	28
	Exotic Present	3	5	4	3	Woody Taxa	6
	Avg. taxa per section	18				Ferns	0
	sections with exotics	4				Macro Algae	0
	Exotic Taxa	6	Exotics per Section: 3.75			Total Taxa	34

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

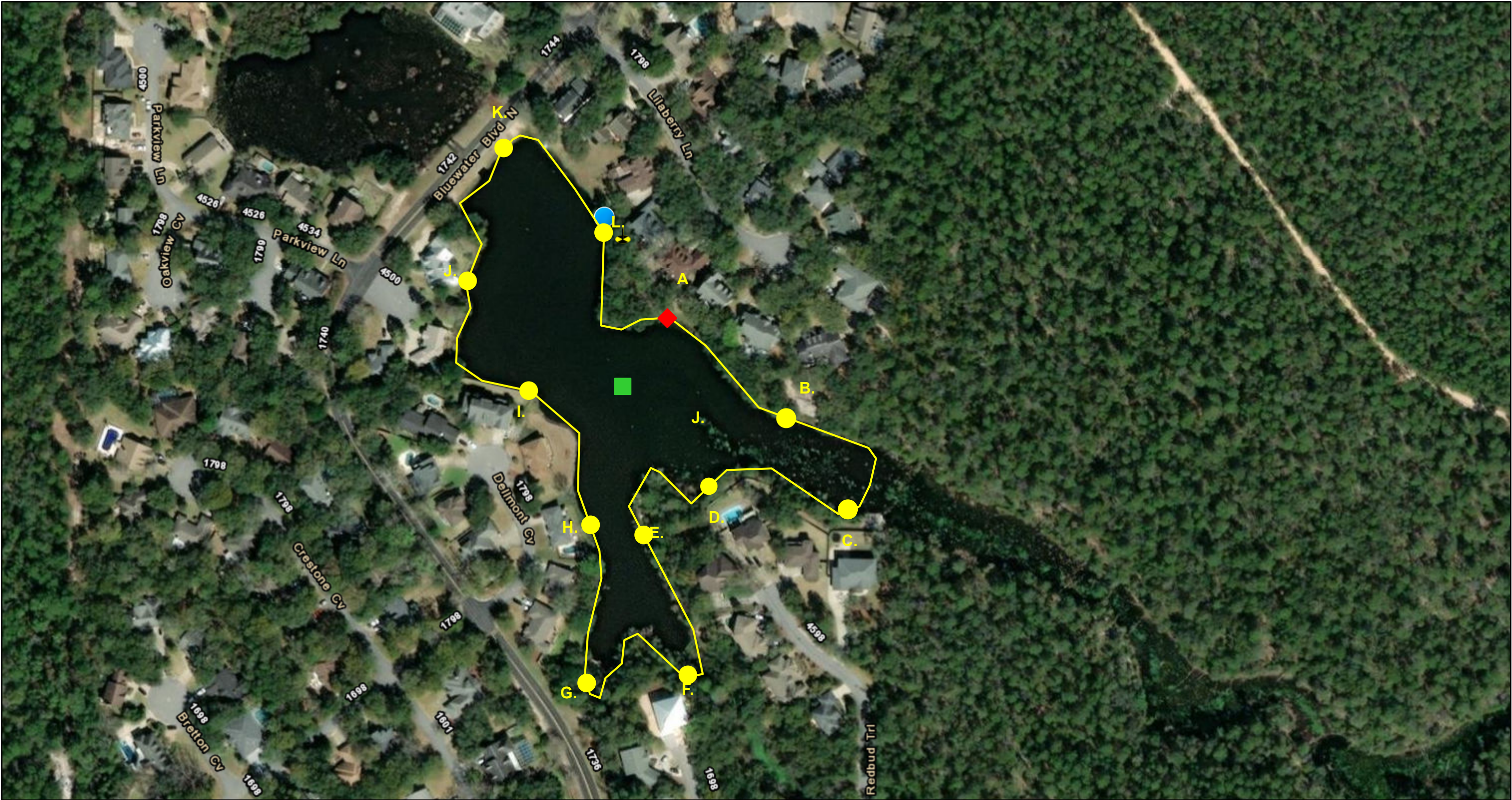
Taxon	Section	Section	Section	Section	Exclusion
Green Algae	3	6	9	12	Algae. Not vascular
<i>Ruellia simplex</i> (Mescian Petunia)					Unsurveyed section
<i>Cortaderia selloana</i>					Unsurveyed section

Station: Unnamed Lake at Blue Water Bay
GPS Dec. 30.85106 x -85.75479
Storet: G3NW0223 WBID 722D
Sample ID: 85483 Macro ID: 12321
RQ-2022-08-08-31

Sampled : 09/15/2022
Sampled By: F.Butera, L. McNally
Location: Niceville, Okaloosa County
Receiving Waters: Bluewater Bay, Choctawhatchee R.
LIMS ID: 2357284

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	68	46	41	42	49
Native Percentage	85.71	76.19	68.75	80	78
FLEPPC Pct (Exotic)	14.29	9.52	12.5	13.32	12
Total Taxa	21	21	16	15	34.00
C of C over 7.0	19.05	9.52	0	6.67	9
Dominant Taxa	E. elongata	E. elongata, P. repens	E. elongata	N/A	E. elongata, P. repens
C of C Dominant	6.97	3.485	6.97	N/A	6

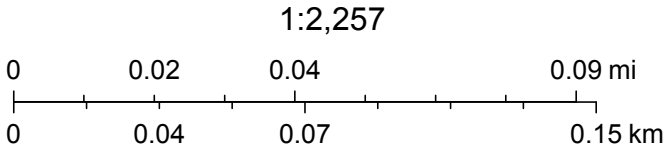
UnNamed Lake Bluewater Bay LVI



September 14, 2022

STORET Stations

 River/Stream



FDEP, DEAR, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Unnamed Lake

WIN ID	G3NW0223
Receiving Water	Blue Water Bay
Basin / WBID	Choctawhatchee Bay / 722D
City, County	Niceville, Okaloosa
Lake Acreage	4.81 acres / 1.94 Hectares
Circumference (M)	992.9
Seg. Length (M)	83

Section	Location	Dec. Latt.	Dec. Long.
12	Storet	30.49748	86.41636
	A	30.49781	-86.41612
	B	30.49735	-86.41548
3	C	30.49693	-86.41515
	D	30.49703	-86.41590
	E	30.49680	-86.41623
6	F	30.49616	-86.41601
	G	30.49611	-86.41655
	H	30.49684	-86.41653
9	I	30.49748	-86.41686
	J	30.49797	-86.41720
	K	30.49859	-86.41700
12	L	30.49818	-86.41646
	A	30.49781	-86.41612