



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes/No



WIN Station Name:		CRESCENT LAKE				Sample Date:		8/23/2022	
WIN / Field ID:	G5NW0159	ORG ID:	21FLPNS	ENR:		Latitude:	30.4657		
County:	Escambia	WBID:	697A	LAKE	3F	Longitude:	-87.2731		
Receiving Body of Water:		Bayou Marcus				RQ-	2022-08-22-46		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Frank Butera	x		x		
Brook Olin		x		x	x

Sampling Equipment			
x	Sample Container	Carboy	
	Dipper	Van Dorn	
x	Syringe	Pole	
Syringe Lot# 1303514		Filter Lot# 17460495	
Secchi Equipment ID:		Secchi - 2	
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:	Yes
Meter ID:	155077 (ProDSS)

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	1135	1.9	0.3	7.31	92.8	27.6	6.15	1.4	84.1	0.04
	1139		1.4	4.84	59.8	26.1	6.13		74.4	0.03

Biological Samples Collected:

HA LVI

SBIO Visit ID: 85358 HA ID: 17914 RPS ID: N/A Macrophyte ID: 12318 LIMS Sample ID Entered Into The Macrophyte Module: 2532333

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation				
				Type	Lot#	Expiration Date	pH Check	
Microbiology								
Chlorophyll	CHLSUITE-W			ICE				
Physical/Aggregate	ALKALINITY, TURBIDITY, W-F, W-TSS			ICE				
Nutrients	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**	NA1286110	11/16/2022	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:								
Comments on COC:								
Relinquish Date:	08/23/2022	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 Crescent Lake

Date: 08/23/2022

WIN-ID G5NW0159

Field ID G5NW0159

Project: SMP / TMDL Studies

Visit ID 85358

RQ: 2022-08-22-46

Macro ID 12318

LIMS ID: 2532333

HA ID 17914

WBID: 697A

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 8/30/22

☒ Date and Initial QA: 12/5/21 HA Score 41

☒ LVI entered in SBIO Initial FB, 11/16/22

☒ Date and Initial QA: 12/5/21

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: 12/5/22, FB

☒ Macro ID score: 48

☒ If SMP, scanned into database

Notes:

Bioassessment. HA, LVI.

Coolers delivery delayed due to Fed Ex error. Arrived TLH 08/25/2022

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 85358 MACROPHYTE ID: 12318 LATITUDE: N 30.46570
COUNTY: Escambia STORET #: G5NW0159 LONGITUDE: W 87.2731
DATE: 8/23/2022 TIME: 11:35 CTZ SAMPLING AGENCY: FL DEP - NWROC
SITE NAME: Crescent Lake WBID: 697A
FIELD ID/NAME: G5NW0159 LAKE SIZE: 80.4 RQ: 2022-08-22-46

WATERSHED / LAKESIDE FEATURES

LIMS ID 2532333

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>Send me / but course</u>						LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>6.44</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: 2008 SBIO					
STORMWATER INPUTS <u>4</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 6		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>5</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) 10 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 5 4 3 2 1			

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☒ pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>SA245160</u> Exp. Date: <u>6/2/2023</u> 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: Depth (M) Temp (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>27.6</u> <u>6.15</u> <u>7.31</u> <u>92.8</u> <u>84.1</u> <u>0.04</u> Mid-Depth: _____ Bottom: <u>1.4</u> <u>26.1</u> <u>6.13</u> <u>4.84</u> <u>59.8</u> <u>77.4</u> <u>0.03</u> Meter ID: <u>155077</u>						Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid Color: ☐ Clear ☐ Tannic ☒ Green SECCHI (M) <u>1.4</u> Total Station Depth (M) <u>1.9</u> VOB ☐					
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☒ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____ Sample Taken? ☐ Yes ☒ No						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 ☒ ☐ ☐ ☐					
Weather Conditions: <u>Overcast, cool</u>						Additional Notes: Last sampled 2021 Previous sample 2008 Storet 33010064 <u>Elliptic !!</u>					
SAMPLING TEAM: Frank Butera, <u>Brook Olin</u>						SIGNATURE: <u>[Signature]</u> DATE: <u>8/23/22</u>					

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

STORET STATION NUMBER: G5NW0159	DATE (M/D/Y) <u>8/23/2022</u>	LAKE NAME Crescent Lake		FIELD ID / NAME <u>G5NW0159</u>	
WBID: 697A	COUNTY: Escambia	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE: 80.4	
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	☐	☐		☐	
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	Secchi(m)		Poor	
<u>11</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	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 <i>Chara, parrot P. repens</i>	
<u>5</u>	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	
<u>4</u>	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	
<u>6</u>	20 19 18 17 16	15 14 13 12 11		10 9 8 7 6	
Lakeside Adverse Human Alternations	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	
<u>5</u>	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	
<u>5</u> <u>8</u>	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>5</u>	20 19 18 17 16	15 14 13 12 11		10 9 8 7 6	
TOTAL SCORE	<u>41</u>				
COMMENTS:					

ANALYSIS DATE: <u>8/23/2022</u>	ANALYST: Frank Butera	SIGNATURE: <i>[Signature]</i>
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SBIO Sample ID: 85358 HA ID: 17914 QC✓: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Crescent Lake					County: Escambia					Date: 08/23/2022				
Analyst: F. Butera Brook Olin					Signature:					STORET: G5NW0159				
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 85358	2	5	8	11	Collect ed? (✓)	Macro ID 12318	2	5	8	11	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum	1	1	0	1		Habenaria repens	1	1						
Alternanthera philoxeroides			1	1		Hydrilla verticillata								
Andropogon sp.						Hydrocotyle sp.	1	1						
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma	1	1						
Baccharis sp.						*Hypericum fasciculatum		1						
Bacopa caroliniana		1				*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium <i>brink</i>			1					
Bidens laevis <i>alba</i>		1				Ilex cassine								
Bidens mitis						Ipomoea aquatica		1						
Blechnum serrulatum						Ipomoea sagittata								
Boehmeria cylindrica	1	1	1	1		Itea virginica	1							
Brasenia schreberi						Juncus effusus			1	1				
Cabomba caroliniana		1	1			*Juncus marginatus								
Casuarina equisetifolia						*Juncus megacephalus <i>only</i>			1	1				
Centella asiatica						Juncus repens	1	1	1					
Cephalanthus occidentalis						*Juncus scirpoides								
Ceratophyllum demersum	1	D	C	D		Lachnanthes caroliniana								
Chara sp.						Leersia hexandra								
Cladium jamaicense						Landoltia punctata (Spiro. punctata)	1	1	1	1	✓			
Cliftonia monophylla						Lemna sp.								
Colocasia esculenta	1	1		1		Leucothoe racemosa (E. racemosa)								
*Commelina						Limnium spongia								
Crinum americanum						Limnophila sessiliflora								
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua								
Cyperus articulatus						*Ludwigia arcuata								
Cyperus haspan		1			✓	*Ludwigia leptocarpa								
*Cyperus lecontei				1		*Ludwigia linearis								
*Cyperus polystachyos						*Ludwigia octovalvis		1		1	✓			
*Cyperus odoratus	1	1		1	✓	*Ludwigia peruviana					?			
*Cyperus surinamensis						*Ludwigia repens		1						
Cyrtia racemiflora			1	1		*Ludwigia								
Decodon verticillatus						Luziola fluitans (H. carolinensis) <i>thobus</i>		1	1					
Diodia virginiana						Lyonia lucida								
*Echinochloa crus-galli						Magnolia virginiana			1					
*Echinochloa muricatum						Mayaca fluviatilis	1	1	1	1				
Echinochloa walteri						Melaleuca quinquenervia								
Eclipta prostrata (E. alba)						Micranthemum glomeratum								
Egeria densa						Micranthemum umbrosum								
Eichhornia crassipes						Mikania scandens		1						
*Eleocharis baldwinii						Mimosa pigra								
*Eleocharis <i>viridis</i>		1	1	1		Myrica cerifera	1	1	1					
Eleocharis cellulosa						<i>Mentha spicata</i>		1	1	1				
Eleocharis equisetoides						<i>Quercus nigra</i>								
Eleocharis interstincta <i>linearis</i>	1					<i>Lycopodium</i>	1	1	1	1				
*Eriocaulon compressum				1		<i>Orange Spike</i>		1						
*Eriocaulon decangulare						<i>Dichytellum scab</i>		1	1	1				
Eupatorium capillifolium		1				<i>Yellow Pear</i>								
*Fuirena						<i>Sesbania virgata</i>		1						
Fuirena scirpoidea	1					<i>Hypericum subcordatum</i>								
Gordonia lasianthus														
LIMS ID: 2532333														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Crescent Lake		Storet: G5NW0159		Date: 08/23/2022	SBIO ID: 85358	Macro ID: 12318				
SPECIES	3	5	8	12	Collect ed? (✓)	SPECIES	3	5	8	12
Myriophyllum aquaticum	1	1	1	1		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	1			
*Najas minor						*Schoenoplectus pungens				
Nelumbo lutea						*Schoenoplectus tabernaemontani				
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)				
Nuphar sp.						Scirpus cyperinus				
Nymphaea odorata	1	1	1	1		*Sesbania rostrata <u>purpurea</u>	1	1		✓ (RS)
Nymphoides aquatica	1	1	1	1		Solidago sp.				
Nyssa sylvatica var. biflora						Sparganium americanum	1	1	1	
Orontium aquaticum						Spartina bakeri				
Osmunda cinnamomea	1					Spirodela polyrhiza				
Osmunda regalis						Taxodium sp.				
Panicum hemitomon						Thalia geniculata				
Panicum repens	1	1	1	1		Thelypteris palustris				
Paspalidium geminatum						Triadenum virginicum	1	1	1	
*Paspalum repens						Typha sp.				
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				
Pluchea sp.						*Utricularia radiata				
*Polygonum glabrum (densiflorum)						Vallisneria americana				
*Polygonum hydropiperoides				1		*Websteria confervoides				
*Polygonum punctatum						Wedelia trilobata (Sphag. trilobata)				
*Polygonum						Wolffiella spp.				
Pontederia cordata						Woodwardia virginica				
*Potamogeton diversifolius	1	1				Xyris sp.	1			1
*Potamogeton illinoensis						Zizania aquatica				
*Potamogeton pusillus						Zizaniopsis milacea				
*Potamogeton pectinatus (Stuck. pectinatus)						Taraxacum officinale	1	1		
Proserpinaca pectinata						Polygonum sp.	1	1		
*Rhexia	1					Vitis				
*Rhynchospora corniculata						Clethra				
*Rhynchospora inundata				1		Tulip Poplar				
Rhynchospora tracyi										
Ricciocarpus natans										
Sabal palmetto										
Sagittaria striata	1	1								
*Sagittaria filiformis										
*Sagittaria graminea										
*Sagittaria isoetiformis										
Sagittaria lancifolia										
Sagittaria latifolia	1	1								
Rubus	1	1								
Phyllanthus	1	1								

*Schoenoplectus tabernaemontani = Scirpus validus

[illegible]

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

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

Date: 08/23/2022		Name of Lake: Crescent Lake		Gear used: <u>PONAR</u>	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	<u>7</u>	<u>1.9</u>	<u>Big muck</u> sand, silt/clay, CPOM, muck, SAV	
2		sand, silt/clay, CPOM, muck, SAV	8		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 G5NW0159
WBID 697A

Field ID G5NW0159

Project. SMP / TMDL Studies

SBIO ID: 85358

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: G5NW0159

Station Name: CRESCENT LAKE

Date: 8/23/2022

Samplers: F. Butera, B. Olin

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

Notes.

Station: Crescent Lake
GPS Dec. 30.46570 x -87.27310
Storet: G5NW0159 WBID 697A
Sample ID: 85358 Macro ID: 12318
RQ-2022-08-22-46

Sampled : 08/23/2022
Sampled By: F.Butera, B. Olin
Location: Pensacola, Escambia County
Receiving Waters: Marcus Creek, Perdido River
LIMS ID: 2352333

	Taxa	2	5	8	11	Coll.	Verified
1	<i>Acer rubrum</i>	1	1		1		
2	<i>Andropogon</i> sp.		1	1	1		
3	<i>Bacopa caroliniana</i>		1				
4	<i>Bidens alba</i>		1				
5	<i>Bidens mitis</i>		1				
6	<i>Boehmeria cylindrica</i>	1	1	1	1		
7	<i>Chara</i> sp.	1	D	C	D		
8	<i>Cladium jamaicense</i>			1			
9	<i>Clethra alnifolia</i>				1		
10	<i>Cliftonia monophylla</i>			1			
11	<i>Colocasia esculenta</i>	1	1		1		
12	<i>Cyperus lecontei</i>				1		
13	<i>Cyperus odoratus</i>	1	1		1	Y	FB
14	<i>Cyrilla racemiflora</i>			1	1		
15	<i>Dichanthelium</i> sp.		1	1	1		
16	<i>Eleocharis elongata</i>	1					
17	<i>Eleocharis vivipara</i> (submersed)		1	1	1		
18	<i>Eriocaulon compressum</i>				1		
19	<i>Eupatorium capillifolium</i>		1				
20	<i>Fuirena scirpoidea</i>	1					
21	<i>Habenaria repens</i>	1	1				
22	<i>Hydrocotyle</i> sp.	1	1				
23	<i>Hypericum brachyphyllum</i>			1			
24	<i>Hypericum fasciculatum</i>		1				
25	<i>Hypericum suffruticosum</i>				1		
26	<i>Ipomoea aquatica</i>		1				
27	<i>Itea virginica</i>	1					
28	<i>Juncus effusus</i>	1		1	1		
29	<i>Juncus polycephalus</i>			1	1		
30	<i>Juncus repens</i>	1	1	1	1		
31	<i>Landoltia punctata</i>	1	1	1	1	Y	FB
32	<i>Ludwigia octovalvis</i>		1		1	Y	FB
33	<i>Ludwigia peruviana</i>		1				
34	<i>Luziola fluitans</i> (Michx.)		1	1			
35	<i>Lycopus</i> sp.	1	1	1	1		
36	<i>Magnolia virginiana</i>			1			
37	<i>Mayaca fluviatilis</i>	1	1	1	1		
38	<i>Mentha spicata</i>		1				
39	<i>Mikania scandens</i>		1				
40	<i>Myrica cerifera</i>	1		1	1		
41	<i>Myriophyllum aquaticum</i>	1	1	C	1		
42	<i>Nymphaea odorata</i>	1	1	1	1		
43	<i>Nymphoides aquatica</i>	1		1	1		
44	<i>Nyssa sylvatica</i> var. <i>biflora</i>			1			
45	<i>Osmunda cinnamomoea</i>	1					
46	<i>Panicum repens</i>	1	1	1	1		
47	<i>Paspalum urvillei</i>	1	1	1	1		
48	<i>Persicaria hydropiperoides</i>				1		

49	<i>Phyllanthus urinaria</i>		1				
50	<i>Potamogeton diversifolius</i>		1	1			
51	<i>Quercus nigra</i>		1				
52	<i>Rhexia</i> sp.	1					
53	<i>Rhynchospora inundata</i>				1		
54	<i>Rubus</i> sp.	1	1				
55	<i>Sacciolepis striata</i>		1		1		
56	<i>Sagittaria lancifolia</i>			1			
57	<i>Sagittaria latifolia</i>		1	1			
58	<i>Sapium sebiferum</i>	1	1		1		
59	<i>Scirpus cyperinus</i>		1			Y	FB
60	<i>Sesbania punicea</i>		1	1		Y	FB
61	<i>Sesbania virgata</i>		1			Y	FB
62	<i>Sparganium americanum</i>		1	1	1		
63	<i>Toxicodendron radicans</i>		1				
64	<i>Toxicodendron vernix</i>	1	1				
65	<i>Triadenum virginicum</i>	1	1	1	1		
66	<i>Vitis rotundifolia</i>			1			
67	<i>Xyris</i> sp.	1			1		
Taxa per section		27	42	31	32	Herb. Taxa	53
Exotic Present		6	11	5	6	Woody Taxa	12
Avg. taxa per section		33				Ferns	1
sections with exotics		4				Macro Algae	1
Exotic Taxa		12	Exotics per Section: 6.75			Total Taxa	67

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

Taxon	Section	Section	Section	Section	Exclusion
Blue/Green Algae	2	5	8	11	Algae. Not vascular
Orange Spike (Undet., spec. lost)		5			specimen lost / damaged
<i>Cortaderia selloana</i>		6			Unsurveyed section
<i>Dioscorea bulbifera</i>			8		Above high water line
<i>Hedychium coronarium</i>			7	10	Unsurveyed section
<i>Chamaecyparis thyoides</i>				10	Unsurveyed section

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	48	39	59	47	48
Native Percentage	77.78	70.73	83.33	80.65	78.12
FLEPPC Pct (Exotic)	11.11	12.2	3.33	9.68	9.08
Total Taxa	27	41	30	31	67
C of C over 7.0	11.11	7.32	16.67	6.45	10.39
Dominant Taxa	No Dominant	Chara	Chara, M. aquaticum	Chara	Chara, M. aquaticum
C of C Dominant		3.9	2.44	3.9	3.41



Cresecent Lake Storet: 33010064



0 0.05 0.1 0.2 Miles

2007 Digital Ortho Quadrangle

LDI = 5.88

Crescent Lake

Storet G5NW0159
 Receiving Water Marcus Creek
 Basin, WBID Perdido Bay,
 City, County Pensacola, Escambia
 Lake Acreage 80.4 acres / 32.54 Hectares
 Circumference (M) 4679.2
 Seg. Length (M) 389.93

Section	Location	Dec. Latt.	Dec. Long.
7	Storet	30.46570	87.27310
	A	30.47374	87.27098
2	B	30.47104	87.27310
	C	30.46717	87.27253
	D	30.46280	87.27174
5	E	30.46314	87.27379
	F	30.46683	87.27513
	G	30.47016	87.27727
8	H	30.47315	87.27956
	I	30.47337	87.27870
	J	30.47057	87.27651
11	K	30.47136	87.27356
	L	30.47395	87.27179

Segments selected 2,5,8,11

Old storet 33010064