

Site Name Z1-LL-11015 Deer Point Lake

Date 08/18/2017

Field ID Z1-LL-11015

Storet 51067

Visit ID 78219

RPS ID N/A

VPDB ID 10972

HA ID 15016

☐ LVI

☐ RPS/LVS Only

☒ Sample Site Created in SBIO

02/14/2018 FB

☒ Phys/chem entered in SBIO

02/16/2018 FB

☒ HA entered in SBIO

Initial

FB 2/10/18

☒ Date and Initial QA:

2/19/18 SL

☐ RPS entered in SBIO

Initial

☐ Date and Initial QA:

☒ LVI entered in SBIO

Initial

FB 6/21/18

☒ Date and Initial QA:

6/22/18 SL

☐ < 2 m² vegetation

☒ Plants getting verified

Date submitted:

11/2017

☒ Plants verified

Date returned:

6/14/2018

LVI SCORE

44

LVI, HA, and YSI. Project Ambient Status Monitoring.

LVI Authorized FB 06/25/2018

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78219 MACROPHYTE ID: 10972 LATITUDE: N 30.297411389
COUNTY: Bay STORET #: 51067 LONGITUDE: W 85.57178289
DATE: 8/18/17 TIME: _____ SAMPLING AGENCY: FL DEP - NWROC
SITE NAME: Deer Point Lake WBID: 553A
FIELD ID/NAME: Z1-LL-11015 LAKE SIZE: 2kt RQ: N/A

WATERSHED / LAKESIDE FEATURES

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> </u>	
☒	☒	☐	☒	☒	☒	☐	<u>Wetlands</u>	Land Use Source & Year:	
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☒ Heavy					Artificially Impounded ☒ Yes ☐ No				
Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy									
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>14</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>13</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>12</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 ☐ 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: <u>13</u> <u>32.4</u> <u>6.7</u> <u>6.6</u> <u>92</u> <u>60</u> <u>0.0</u> Mid-Depth: _____ Bottom: <u>2.0</u> <u>28.2</u> <u>6.0</u> <u>3.8</u> <u>49</u> <u>57</u> <u>0.0</u>					Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____				
Meter ID: <u>132237</u>					Clarity: ☐ Clear ☒ Slightly Turbid ☐ Opaque ☐ Turbid				
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☐ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____					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					SECCHI (M) <u>1.2</u> Total Station Depth (M) <u>2.5</u> VOB ☐				
Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☒ Nuisance Plants ☐ ☐ ☐ ☒ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☐ ☒ ☐ ☐					Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____				
Weather Conditions: <u>Sunny, Lot.</u>					Additional Notes: <u>Pomacea canaliculata eggs</u> <u>Corbicula</u>				
SAMPLING TEAM: Frank Butera, Stopher Slade					SIGNATURE: <u>[Signature]</u> DATE: <u>8/18/2017</u>				

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lake Habitat Assessment Field Sheet

STORET STATION NUMBER: 51067	DATE (M/D/Y) 08/17/2017	LAKE NAME: SDeer Point Lake (Z1-LL-11015)		FIELD ID / NAME: Z1-LL-11015
ECCO-REGION: W310 553A	COUNTY: Bay	SAMPLING LOCATION/DESCRIPTION: Panama City		LAKE SIZE: 72000 m²?
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 ☒	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 ☒ 9 8 7 6	0.5 0.4 0.3 0.2 0.1 5 4 3 2 1
Vegetation Quality ☒	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 ☒	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 ☒ 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 ☒	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 ☒ 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 ☒	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 ☒	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 ☒	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 5 4 3 2 1			
TOTAL SCORE 76	COMMENTS:			

ANALYSIS DATE: 08/18/2017	ANALYST: Frank Butera, Stophor Slade	SIGNATURE: 
----------------------------------	--------------------------------------	--

SB10 ID 73219 **Hof ID 15016**

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Deer Point Lake (Z1-LL-11015)		County: Bay		Date: 8/18/2017	
Analyst: F. Butera		Signature: <i>[Signature]</i>		STORET: 51067	
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 <u>2, 5, 8, 11</u> 3, 6, 9, 12	
SBIO ID 78219	25811	Collected? (v)	Macro ID 10972	25811	Collected? (v)
SPECIES			SPECIES		
Acer rubrum	1111		Habenaria repens	1	
Alternanthera philoxeroides			Hydrilla verticillata		
Andropogon sp.			Hydrocotyle sp.	1	111
Azolla filiculoides (A. caroliniana)			Hygrophila polysperma		
Baccharis sp. <i>halimifolia</i>			*Hypericum fasciculatum		
Bacopa caroliniana	D D D D		*Hypericum hypericoides		
Bacopa monnieri			*Hypericum myrtifolium		
Bidens laevis			Ilex cassine		
Bidens mitis	1		Ipomoea aquatica		
Blechnum serrulatum			Ipomoea sagittata		
Boehmeria cylindrica	1		Itea virginica		
Brasenia schreberi	1111		Juncus effusus		
Cabomba caroliniana			*Juncus marginatus		
Casuarina equisetifolia			*Juncus megacephalus		
Centella asiatica			Juncus repens		
Cephalanthus occidentalis	1111	+	*Juncus scirpoides		
Ceratophyllum demersum			Lachnanthes caroliniana		
Chara sp.			Leersia hexandra		
Cladium jamaicense	1111		Landoltia punctata (Spiro. punctata)		
Cliftonia monophylla	1111		Lemna sp.		
Colocasia esculenta	1111		Leucothoe racemosa (Eubotrys racemosa)		
*Commelina			Limnium 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		111 ✓
*Cyperus odoratus			*Ludwigia peruviana		
*Cyperus surinamensis			*Ludwigia repens		1
Cyrtilla racemiflora	1111		*Ludwigia		
Decodon verticillatus			Luziola fluitans (Hydrochloa carolinensis)		
Diodia virginiana			Lyonia lucida		
*Echinochloa crus-galli			Magnolia virginiana	1111	
*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			Myrica cerifera	111	1
Eleocharis cellulosa			<i>Ludwigia linearis</i>		1 ✓
Eleocharis equisetoides			<i>Bidens alba</i>		1 ✓
Eleocharis interstincta			<i>Tree 4th. Shrub</i>		1 ✓
*Eriocaulon compressum			<i>Hypericum tetrapetulum</i>	11	1 ✓
*Eriocaulon decangulare			<i>Wild Olive (Cordia)</i>		1 ✓
Eupatorium capillifolium	111		<i>(American)</i>		1 ✓
*Fuirena <i>sp</i>					
Fuirena scirpoidea					
Gordonia lasianthus					

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: Deer Point Lake (Z1-LL-11015). Storet. 51667					Date: 08/18/2017	SBIO ID 78219 Macro ID					
SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum	✓			✓		Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum			✓	✓	
Myriophyllum spicatum	✓	✓	✓	✓		Saururus cernuus	✓		✓	✓	
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea			✓			*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.	✓	✓	✓	✓		Scirpus cyperinus					
Nymphaea odorata	✓	✓	✓	✓		*Sesbania					
Nymphoides aquatica cordata	✓	✓	✓	✓	✓	Solidago sp.					
Nyssa sylvatica var. biflora	✓					Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea	✓	✓	✓	✓		Spirodela polyrhiza					
Osmunda regalis			✓			Taxodium sp.	✓	✓	✓	✓	
Panicum hemitomon						Thalia geniculata					
Panicum repens		✓	✓	✓		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum			✓	✓	
*Paspalum repens						Typha sp.	✓	✓	✓	✓	
Paspalum urvillei	✓	✓	✓	✓	✓	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						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphag. trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata	✓	✓	✓	✓		Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuck. pectinatus)						Utricularia sp.					✓
Proserpinaca pectinata						Alnus cordata	✓	✓	✓	✓	
*Rhexia				✓		Nymphoides cordata					✓
*Rhynchospora corniculata	✓			✓	✓	Long Leaf Pine	✓	✓		✓	
*Rhynchospora inundata				✓		Hibiscus grand. flora				✓	
Rhynchospora sp.				✓		Albizia				✓	
Ricciocarpus natans						Fraxinus (murrayana)			✓	✓	
Sabal palmetto	✓	✓		✓		CANNA Lillie		✓	✓	✓	
Sacciolepis striata				✓		Potamogeton sp. (illinoensis)					✓
*Sagittaria filiformis											
*Sagittaria graminea											
Sagittaria isoetiformis											
Sagittaria lancifolia	✓	✓	✓	✓							
Sagittaria latifolia	✓	✓	✓	✓							
Oil Tree (Alseodaphne ferdii)											

Waterbody: Deer Point Lake (Z1-LL-11015)		County: Bay		Date:	
Analyst: F. Butera		Signature:		STORET:	
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>78219</u>	<u>258</u>	Collected? (✓)	Macro ID <u>14972</u>		Collected? (✓)
SPECIES			SPECIES		
ORANGE Vine (Invasive?) XX	X	X			
Sacchara gigantea					
MACADAMIA GRANIFERA	1	1			
Lycopus sp	1	1	✓		
Long leaf					
(Mock Bishop Weed) 2					
Philimium capitatum	1	1			
Hypericum brachyphyllum	1	1	✓		
Unk grass	1	1	✓		
Honey suckle	1	1			
Rhododendron viscosum	1	1			
Larodendron Poplar	1	1			
Mexican petunia	1	1			
Oxypholis fliformis	1	1			
Vitis	1	1	1		
Ginger (White)	1	1			
Ginger (Orange)	1	1			
* Mex. petunia (Ruellia Simplex)	1	1			
* ORANGE Vine					
NOT Counted in LVI					

Station: Deer Point Lake (Field ID Z1-LL-11015)
 GPS: N 30° 17' 50.68" X W 85°34' 18.42"
 Storet: 51067 WBID 553A
 Sample ID: 78219
 Macro ID: 10972

Sampled : 08/18/2017
 GPS Dec. 30.2974114 x 85.571783
 Sampled By: F. Butera, S. Slade
 Location: Panama City, Bay Co. FL
 Receiving Waters: St. Andrews Bay.

	Taxa	2	5	8	11	C of C	Coll.	Verified
1	<i>Canna flaccida</i> Salisb.		1	1	1	6.75		
2	<i>Cladium jamaicense</i>	1	1	1	1	9.04		
3	<i>Colocasia esculenta</i>	1	1	1	1	0.00		
4	<i>Fuirena</i> sp.		1					
5	<i>Habenaria repens</i>	1				4.58		
6	<i>Hedychium</i> sp. (Ornamental)		1	1				
7	<i>Panicum repens</i>		1	1	1	0.00		
8	<i>Paspalum urvillei</i>	1	1	1	1	4.33		
9	<i>Pontederia cordata</i>	1	1	1	1	5.38		
10	<i>Potamogeton illinoensis</i>				1	6.64	✓	A. O'Neal
11	<i>Rhynchospora corniculata</i>	1			1	4.43	✓	Lab FB
12	<i>Saccharum giganteum</i>				1	6.34		
13	<i>Sacciolepis striata</i>				1	5.35		
14	<i>Sagittaria lancifolia</i>	1	1	1	1	4.96		
15	<i>Sagittaria latifolia</i>	1			1	6.50		
16	<i>Typha</i> sp.	1	1	1	1	0.80		
17	Undetermined Poaceae	1	1	1		0.80		
18	<i>Bacopa caroliniana</i>	D	D	D	D	5.31		
19	<i>Bidens alba</i>				1	1.00		
20	<i>Bidens mitis</i>		1			6.31		
21	<i>Boehmeria cylindrica</i>	1			1	5.91		
22	<i>Brasenia schreberi</i>	1	1	1	1	8.79		
23	<i>Eupatorium capillifolium</i>		1		1	0.83		
24	<i>Hibiscus grandiflorus</i>				1			
25	<i>Hydrilla verticillata</i>				1	0.00		
26	<i>Hydrocotyle</i> sp.	1		1	1	2.00		
27	<i>Hypericum brachyphyllum</i>	1	1			7.55	✓	Lab FB
28	<i>Hypericum tetrapetalum</i>	1	1		1		✓	Lab FB
29	<i>Ipomoea sagittata</i>		1		1		✓	Lab FB
30	<i>Ludwigia hirtella</i>				1		✓	A. O'Neal
31	<i>Ludwigia octovalvis</i>			1	1	0.62	✓	Lab FB
32	<i>Ludwigia repens</i>			1		2.50		
33	<i>Lycopus</i> sp.	1	1		1		✓	Lab FB
34	<i>Myriophyllum heterophyllum</i>				1	5.85		
35	<i>Myriophyllum spicatum</i>	1	1	1	1	0.00		
36	<i>Nelumbo lutea</i>			1		4.64		
37	<i>Nuphar</i> sp.	1	1		1	4.64		
38	<i>Nymphaea odorata</i>	1	1	1	1	6.99		
39	<i>Nymphoides cordata</i>	1	1	1	1			
40	<i>Oxypolis filiformis</i>		1			3.43		
41	<i>Ptilimnium capillaceum</i>	1	1	1				
42	<i>Rhexia</i> sp.				1		✓	Lab FB
43	<i>Ruellia simplex</i>		1					
44	<i>Saururus cernuus</i>	1		1	1	7.33		
45	<i>Triadenum virginicum</i>			1	1	8.16		
46	<i>Utricularia floridana</i>	1	1		1	6.34		
47	<i>Vitis</i> sp.	1	1	1	1			
48	<i>Acer rubrum</i>	1	1	1	1	4.65		
49	<i>Albizia julibrissin</i>				1	0.00		

Station: Deer Point Lake (Field ID Z1-LL-11015)
 GPS: N 30° 17' 50.68" X W 85°34' 18.42"
 Storet: 51067 WBID 553A
 Sample ID: 78219
 Macro ID: 10972

Sampled : 08/18/2017
 GPS Dec. 30.2974114 x 85.571783
 Sampled By: F. Butera, S. Slade
 Location: Panama City, Bay Co. FL
 Receiving Waters: St. Andrews Bay.

50	<i>Aleurites fordii</i>				1	0.00	
51	<i>Alnus serrulata</i>	1	1	1	1		
52	<i>Baccharis halmifolia</i>			1		2.53	
53	<i>Cartrema americanum</i>				1		
54	<i>Cephalanthus occidentalis</i>	1	1	1	1	6.99	
55	<i>Cliffonia monophylla</i>	1	1	1		5.63	
56	<i>Cyrilla racemiflora</i>	1	1	1	1	5.20	
57	<i>Liriodendron tulipifera</i>		1				
58	<i>Magnolia virginiana</i>	1	1	1	1	9.44	
59	<i>Magnolia grandiflora</i>	1	1		1	4.36	
60	<i>Myrica cerifera</i>	1	1	1	1	3.82	
61	<i>Nyssa sylvatica</i> var. <i>biflora</i>	1				9.04	
62	<i>Pinus palustris</i> (Long Leaf)	1	1		1		
63	<i>Rhododendron viscosum</i> var. <i>serrulatum</i>	1	1				
64	<i>Sabal palmetto</i>	1	1		1	4.85	
65	<i>Sapium sebiferum</i>			1	1	0.00	
66	<i>Taxodium</i> sp.	1	1	1	1	7.20	
67	<i>Osmunda cinnamomoea</i>	1		1	1	6.44	
68	<i>Osmunda regalis</i>			1		8.04	
Taxa per section		39	41	35	51	Herb. Taxa	47
Exotic Present		4	6	7	9	Woody Taxa	19
Avg. taxa per section		42				Ferns	2
sections with exotics		4				Macro Algae	0
Exotic Taxa		11	Exotics per Section: 6.5			Total Taxa	68

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

<i>Cassythia filiformis</i>	1		1	1	✓	A. O'Neal
<i>Cuscuta</i> sp.	1		1	1	✓	A. O'Neal

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	49	45	43	38	44
LVI 2012 Category	-	-	-	-	
Native Percentage	91.67	86.49	84.85	86.67	87.42
FLEPPC Pct (Exotic)	2.78	8.11	9.09	8.89	7.22
Total Taxa	36	37	33	45	37.75
C of C over 7.0	16.67	16.22	15.15	8.89	14.23
Dominant Taxa	<i>Bacopa caroliniana</i>	<i>Bacopa caroliniana</i>	<i>Bacopa caroliniana</i>	<i>Bacopa caroliniana</i>	<i>Bacopa caroliniana</i>
C of C Dominant	4.5	4.5	4.5	4.5	4.50

Osmanthus americanus syn. for *Cartrema americanum* and name used in VPDB.

Field ID *Potamogeton crispus* → *Potamogeton illinoensis* (A. O'Neal)

Field ID Unknown Vine → *Cuscuta* sp. or *Cassythia filiformis*

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

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

Date: 8/18/2017		Name of Lake: Deer Point Lake. Z1-LL-11015		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	7		sand, silt/clay, CPOM, muck, SAV
2	2.7	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	2.5	sand, silt/clay, CPOM, muck, SAV	11	2.7	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 51067 Field ID Z1LL11015 Project. Status Large 2017
WBID 553A

SBIO ID: 78219

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

Deer Point Lake (Z1-LL-11015) Low Water 2021 Acres

Status GPS (Triangle)

30.297411389 x -85.57178289



Z1-LL-11015 / Deer Point Lake

Receiving Water St. Andrew's Bay
Basin. St. Andrew's Bay

Lake Acreage 2021
Perimeter (M) 29030
Seg. Length (M) 2419.166667

Low-Water Conditions

Location	DMS	Dec Deg.
Status Lake	N30°17' 50.68" X W85°34' 18.42"	30.297411389 x -85.57178289
A	N30°19' 00.16 " X W85°34' 39.33"	30.316711 x -85.577592
B	N30°18' 17.38" X W84°34' 29.17"	30.304828 x -85.574769
C	N30°17' 16.12" X W85°34' 0.00"	30.287811 x -85.566667
D	N30°16' 30.42" X W85°33' 09.32"	30.275117 x -85.552589
E	N30°16' 51.78" X W85°33' 48.53"	30.28105 x -85.563481
F	N30°17' 55.77" X W85°34' 19.64"	30.298825 x -85.572122
G	N30°17' 23.31" X W85°35' 10.92"	30.289808 x -85.586367
H	N30°16' 20.06" X W85°35' 36.97"	30.272239 x 85.593603
I	N30°15' 47.69" X W85°35' 30.77"	30.263247 x -85.591881
J	N30°16' 20.55" X W85°36' 31.59"	30.272375 x -85.608775
K	N30°16' 52.56" X W85°35' 55.87"	30.281267 x -85.598853
L	N30°18' 01.01" X W85°35' 41.73"	30.300281 x -85.594925
M	N30°18' 50.25" X W85°35' 36.12"	30.313958 x 85.593367
32030109	N30°17' 22.2" X W85°35' 33.6"	30.2895 x -85.592667