



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PLAN FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Court Martial Lake Date: 9/30/2021

WIN/Field ID: G3NW0446 WBID: 876 ENR: Latitude: 30.42249999

County: BAY Org ID: 21FLPNS Longitude: -85.7481

Receiving Body of Water: RQ- 2021-08-16-25

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒ Frank Butera	☒	☒	☒		
☒ Christopher Stopher Slade		☒		☒	☒
☐					
☐					

Sampling Equipment	
☐ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Sonar	
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# 154179 (PRODSS)	
Photos: YES	Flow: NA	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☐ None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☒ LVI Other:			
SBIO ID Numbers: Visit ID: 83197 HA ID: 17030 Macro ID: 11965			
Notes: WATER LEVEL HAS RISEN 2M SINCE 2019. MAX DEPTH EXCEEDS YSI CABLE LENGTH.			

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: 2279836 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 FB / 10-04-2021 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2021-08-16-25

Customer: WQAP

Project ID: SMP

Collected By: Frank Butera, Christopher Stopher Slade

Field Report Prepared By: Frank Butera

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3NW0446

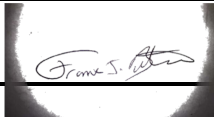
Location: Court Martial Lake

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)		
	1325 CEN	7.74	99.4	28.3	4.54	0.3	3.1 ☐ VOB (S)	20.8	22.3	0.01		
9/30/2021	1331	6	75.1	26.9	4.94	2.0			22.9	0.01		
	1334 CEN	1.51	17.1	20.2	3.7	9.64			27.5	0.01		
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 #	SA0353110		Exp:	01/11/2022						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2				
		Lot #			Exp:							
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A		
		Filter Lot #	17236199									
		Syringe Lot #	1005533									
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-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC	Formalin Lot #			☐ Formalin						
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice						
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice						
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice						
		☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice						
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI	WE8321-MS	W-PSNP-TQ	W-CT-CL-R	☐ Ice						
Phytoplankton/Periphyton		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)			☐ Ice						
				DTY-QN-C		☐ Ice						
				PKD-QN-BV								
Name: Frank Butera Christopher Stopher Slade					Signature: 				Date: 09/30/2021			

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 83197 MACROPHYTE ID: 11965 LATITUDE: N 30.4225
COUNTY: Bay STORET #: G3NW0446 LONGITUDE: W 85.7481
DATE: 9/30/2021 TIME: 13:25 CTZ SAMPLING AGENCY: FL DEP - NWROC
SITE NAME: Court Martial Lake WBID: 867 FB 876
FIELD ID/NAME: G3NW0446 LAKE SIZE: 230 RO: 2021-08-16-25
LIMS ID: 2279836

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>1.94</u>												
☒	☒	☒	☒	☐	☒	☒	☐	Land Use Source & Year: SBIO 2015												
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>20</u>	<u>20</u>	<u>19</u>	<u>18</u>	<u>17</u>	<u>16</u>	<u>15</u>	<u>14</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>10</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
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>20</u>	<u>20</u>	<u>19</u>	<u>18</u>	<u>17</u>	<u>16</u>	<u>15</u>	<u>14</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>10</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
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>20</u>	<u>20</u>	<u>19</u>	<u>18</u>	<u>17</u>	<u>16</u>	<u>15</u>	<u>14</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>10</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>

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>SA0353110</u> Exp. Date: <u>01/11/2022</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: Top: <u>0.3</u> <u>28.3</u> <u>4.54</u> <u>7.74</u> <u>99.4</u> <u>22.3</u> <u>0.01</u> Mid-Depth: <u>2.4</u> <u>26.9</u> <u>4.94</u> <u>6.4</u> <u>75.1</u> <u>22.9</u> <u>0.01</u> Bottom: <u>9.64</u> <u>20.2</u> <u>3.7</u> <u>1.51</u> <u>17.1</u> <u>27.5</u> <u>0.01</u> Meter ID: <u>154179</u>										Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green SECCHI (M) <u>3.1</u> Total Station Depth (M) <u>20.8</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 ☐ 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: Private Lake <u>22m above normal water level. been this way since Michael (2019). etc</u>																			
Weather Conditions: <u>Overcast. Rain Afternoon.</u>																			
SAMPLING TEAM: Frank Butera, <u>Stoph Slade</u>										SIGNATURE: <u>[Signature]</u>					DATE: <u>09/30/2021</u>				

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

STORET STATION NUMBER: G3NW0446	DATE (M/D/Y): 09/30/2021	LAKE NAME Court Martial Lake		FIELD ID / NAME G3NW0446	
WBID: -867- FB 876	COUNTY: Bay	SAMPLING LOCATION/DESCRIPTION: Pond in front of Court Martial Lake Rd.		LAKE SIZE: 230 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 ☒ 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	5 4 3 2 1	
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa Popcorn tree is new. 17 ☒ 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 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	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	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 16 ☒ 20 19 18 17 16				
TOTAL SCORE 133		COMMENTS:			

ANALYSIS DATE: 09/30/21	ANALYST: F. Butler	SIGNATURE: 
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SBIO Sample ID: **83197**

HA ID: **17030**

QC: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Court Martial Lake					County: Bay					Date: 9/30/2021				
Analyst: E Butera					Signature: [Signature]					STORET: G3NW0446				
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>83197</u>	3	6	9	12	Collect ed? (✓)	Macro ID <u>11965</u>	3	6	9	12	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum		1				Habenaria repens								
Alternanthera philoxeroides						Hydrilla verticillata								
Andropogon sp.	1	1	1	1		Hydrocotyle sp.								
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma								
Baccharis sp.						*Hypericum fasciculatum								
Bacopa caroliniana	1	1				*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium								
Bidens laevis						Ilex cassine				1				
Bidens mitis						Ipomoea aquatica								
Blechnum serrulatum						Ipomoea sagittata								
Boehmeria cylindrica						Itea virginica								
Brasenia schreberi						Juncus effusus								
Cabomba caroliniana						*Juncus marginatus	1			1				
Casuarina equisetifolia						*Juncus megacephalus								
Centella asiatica			1	1		Juncus repens								
Cephalanthus occidentalis						*Juncus scirpoides								
Ceratophyllum demersum						Lachnanthes caroliniana								
Chara sp.						Leersia hexandra								
Cladium jamaicense						Landoltia punctata (Spiro. punctata)								
Cliftonia monophylla						Lemna sp.								
Colocasia esculenta						Leucothoe racemosa (E. racemosa)				1				
*Commelina						Limnophila sessiliflora								
Crinum americanum						Liquidambar styraciflua								
* Cyperus alternifolius (C. involucratus)						*Ludwigia arcuata								
Cyperus articulatus						*Ludwigia leptocarpa								
Cyperus haspan						*Ludwigia linearis								
*Cyperus lecontei						*Ludwigia octovalvis								
*Cyperus polystachyos						* Ludwigia peruviana								
*Cyperus odoratus						*Ludwigia repens								
*Cyperus surinamensis						*Ludwigia								
Cyrilla racemiflora	1	1	1	1		Luziola fluitans (H. carolinensis)								
Decodon verticillatus						Lyonia lucida								
Diodia virginiana						Magnolia virginiana								
*Echinochloa crus-galli						Mayaca fluviatilis								
*Echinochloa muricatum						Melaleuca quinquenervia								
Echinochloa walteri						Micranthemum glomeratum								
Eclipta prostrata (E. alba)						Micranthemum umbrosum								
Egeria densa						Mikania scandens								
Eichhornia crassipes						Mimosa pigra								
*Eleocharis baldwinii						Myrica cerifera	1	1	1	1				
*Eleocharis <u>virginica</u>			1			Hydrocharis <u>littoralis</u>	1	1	1	1				
Eleocharis cellulosa						Ilex vomitoria	1		1					
Eleocharis equisetoides						Diodia virginiana								
Eleocharis interstincta						Eleocharis (littoralis?)								
*Eriocaulon compressum						Eleocharis <u>littoralis</u>								
*Eriocaulon decangulare			1	1		Muhlenbergia								
Eupatorium capillifolium						Schreber								
*Fuirena altissima <u>diversa</u>	1	1	1	1		hypocoides								
Fuirena scirpoidea	1	1	1	1										
Gordonia lasianthus														
LIMS ID:														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Court Martial Lake						Storet: G3NW0446		Date: 9/30/2021		SBIO ID 03197		Macro ID 11965	
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			
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.						Scirpus cyperinus							
Nymphaea odorata	1					*Sesbania							
Nymphoides aquatica						Solidago sp.	1		1	1			
Nyssa sylvatica var. biflora	1	1		1		Sparganium americanum							
Orontium aquaticum						Spartina bakeri							
Osmunda cinnamomea						Spirodela polyrhiza							
Osmunda regalis						Taxodium sp.	1		1				
Panicum hemitomon	1	1	1	1		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		DD	DD				
Pennisetum purpureum						*Utricularia foliosa							
Phragmites australis						*Utricularia inflata							
Pinus elliotii	1	1	1	1		*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	1			1		Woodwardia virginica							
*Potamogeton diversifolius						Xyris sp.							
*Potamogeton illinoensis						Zizania aquatica							
*Potamogeton pusillus						Zizaniopsis milacea							
*Potamogeton pectinatus (Stuck. pectinatus)						Vaccinium striatum	1	1	1	1	✓		
Proserpinaca pectinata						Corymbosum							
*Rhexia						R. nitens	1	1	1	1	✓		
*Rhynchospora corniculata													
*Rhynchospora inundata													
Rhynchospora tracyi						Amphicarpus nutans	1	1	1	1	✓		
Ricciocarpus natans						Chetumal alba	1		1				
Sabal palmetto													
Sacciolepis striata						Illex glabra	1						
*Sagittaria filiformis													
*Sagittaria graminea						Illicium floridana	1						
*Sagittaria isoetiformis													
Sagittaria lancifolia						Sabatia g(2)	1				✓		
Sagittaria latifolia													
Pluchea													
Scirpus													
Hypericum brachy					1								

*Schoenoplectus tabernaemontani = Scirpus validus

Waterbody: Court Martial Lake						County: Bay							Date:																		
Analyst:						Signature: [Handwritten Signature]							STORET: G3NW0446																		
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.																			[Boxed: 3, 6, 9, 12]												
SBIO ID SPECIES						3		6		9		12		Collected? (✓)		Macro ID SPECIES						3		6		9		12		Collect ed? (✓)	

Station: Court Martial Lake
 GPS Dec. 30.42250 x -85.74810
 Storet: G3NW0446 WBD 876
 Sample ID: 83197 Macro ID: 11965
 RQ-2021-08-15-25

Sampled : 09/30/2021
 Sampled By: F. Butera, S. Slade
 Location: Vernon, Bay
 Receiving Waters: None. Basin: St. Andrew's Bay
 LIMS ID: 2279836

	Taxa	3	6	9	12	Coll.	Verified
1	<i>Acer rubrum</i>		1				
2	<i>Amphicarpum muhlenbergianum</i>	1	1	1	1	Y	FB
3	<i>Andropogon</i> sp.	1	1	1	1		
4	<i>Bacopa caroliniana</i>	1	1				
5	<i>Centella asiatica</i>				1		
6	<i>Clethra alnifolia</i>	1			1		
7	<i>Cyrilla racemiflora</i>	1	1	1	1		
8	<i>Diodia virginiana</i>			1		Y	FB
9	<i>Eleocharis elongata</i>			1	1	Y	FB
10	<i>Eleocharis vivipara</i> (submersed)			1			
11	<i>Eriocaulon decangulare</i>			1	1		
12	<i>Fuirena scirpoidea</i>	1	1	1	1	Y	FB
13	<i>Hypericum brachyphyllum</i>			1	1	Y	FB
14	<i>Hypericum hypericoides</i>			1		Y	FB
15	<i>Hypericum lissophloeus</i>	1	1	1	1		
16	<i>Ilex cassine</i>				1		
17	<i>Ilex glabra</i>	1					
18	<i>Ilex vomitoria</i>	1		1	1		
19	<i>Illicium floridanum</i>	1					
20	<i>Juncus marginatus</i>		1		1		
21	<i>Leucothoe racemosa</i>				1		
22	<i>Myrica cerifera</i>	1	1	1	1		
23	<i>Nymphaea odorata</i>	1					
24	<i>Nyssa sylvatica</i> var. <i>biflora</i>	1	1		1		
25	<i>Panicum hemitomon</i>	1	1	1	1		
26	<i>Pinus elliotii</i> (Slash)	1	1	1	1		
27	<i>Pluchea</i> sp.			1			
28	<i>Pontederia cordata</i>	1			1		
29	<i>Rhynchospora nitens</i>	1	1		1	Y	FB
30	<i>Sabatia grandiflora</i>	1				Y	FB
31	<i>Sapium sebiferum</i>				1		
32	<i>Solidago</i> sp.	1		1	1		
33	<i>Taxodium</i> sp.	1		1			
34	<i>Utricularia floridana</i>	D	D	D	D		
35	<i>Vaccinium corymbosum</i>	1	1	1	1	Y	FB
	Taxa per section	22	14	20	24	Herb. Taxa	21
	Exotic Present	0	0	0	1	Woody Taxa	14
	Avg. taxa per section	20				Ferns	0
	sections with exotics	1				Macro Algae	0
	Exotic Taxa	1	Exotics per Section: 0.25			Total Taxa	35

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

Taxon	3	6	9	12
Filamentous green algae	1	1	1	1
<i>Vitis</i> sp.	1	1	1	1

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012					
Native Percentage					
FLEPPC Pct (Exotic)					
Total Taxa					
C of C over 7.0					
Dominant Taxa					
C of C Dominant					

* *Vaccinium elliotii* (Field ID) synonym for *V. corymbosum*

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

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

Date: <u>9/30/2021</u>		Name of Lake: Court Martial Lake		Gear used: <u>PONAR</u> <u>EKMAN</u> 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		<u>sand</u> , <u>silt/clay</u> , <u>CPOM</u> , muck, <u>SAV</u>
2		sand, silt/clay, CPOM, muck, SAV	8		sand, silt/clay, CPOM, muck, SAV
3		<u>sand</u> , <u>silt/clay</u> , <u>CPOM</u> , muck, <u>SAV</u>	9		<u>sand</u> , <u>silt/clay</u> , <u>CPOM</u> , muck, <u>SAV</u>
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		<u>sand</u> , <u>silt/clay</u> , <u>CPOM</u> , muck, <u>SAV</u>	12		sand, silt/clay, CPOM, muck, SAV

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

Storet G3NW0446 Field ID G3NW0446 Project. SMP / TMDL Studies SBIO ID: 83197
WBID 867- 876 FB

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: G3NW0446

Station Name: Court Martial Lake

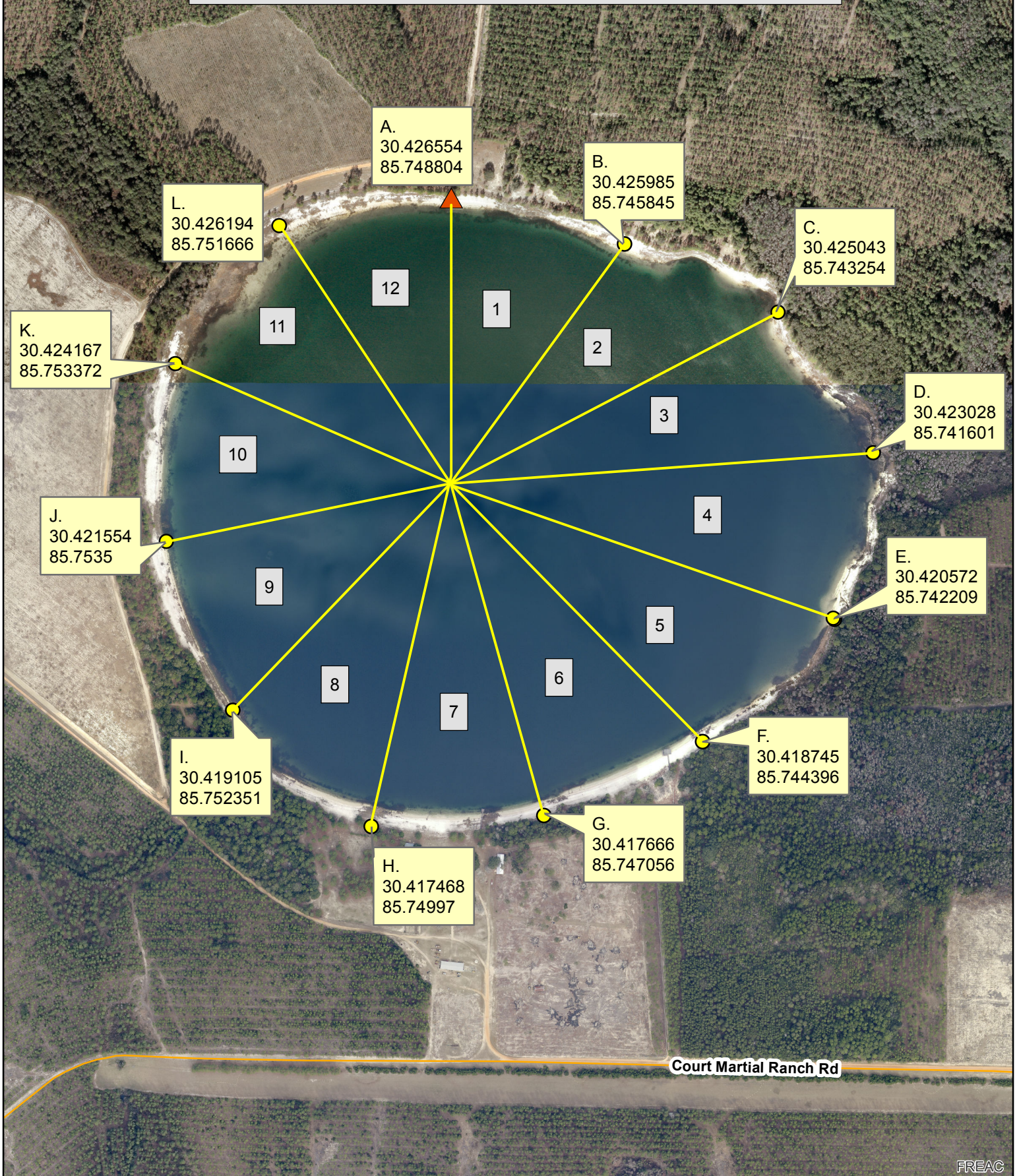
Date: 9/30/2021

Samplers: F. Buter, S. Stode

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

Notes.

Court Martial Lake. G3NW0446
WBID 876 230 Acres Storet
30.4225 x 85.7481



Court Martial Lake

Storet G3NW0466
Historic Storet 32030098
Receiving Water Econfina Ck.

Basin / WBID St. Andrew's Bay / 876
City, County Lynn Haven, Bay
Lake Acreage 230 acres
Circumference (M) 3526
Seg. Length (M) 294

Quadrant	Location	Dec Deg.
	Storet	30.4225 x -85.7481
	A	30.426554 x 85.748804
	B	30.425985 x 85.745845
3	C	30.425043 x 85.743254
	D	30.423028 x 85.741601
	E	30.420572 x 85.742209
6	F	30.418745 x 85.744396
	G	30.417666 x 85.747056
	H	30.417468 x 85.74997
9	I	30.419105 x 85.752351
	J	30.421554 x 85.7535
	K	30.424167 x 85.753372
12	L	30.426194 x 85.751666
	A	30.426554 x 85.748804

Property Management. Gannett Property
Tommy Garrett 850-258-7429

Location	Dec Deg.	
32030098	30.422772 x 85.74735	