

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Status & Trend Networks - Chain of Custody Form - January 2022 version

Date Collected: 09/06/2023 **Collected By (Agency Code):** 8010
Customer: AMBIENT **Sampler Names:** Frank Butera, Brook Olin
RQ-  **Lab Project ID:** STATUS
RQ-2023-09-04-17
Project Name: Z1SL2309 **# Coolers Shipped:** 1 **Shipping Method:** FedEx

Instructions: Please return the original of this form to the lab along with sample inventory portion of field sheet for each station sampled.

Load digital labels into fields below for all samples & blanks submitted under this RQ for this collection date.

Email completed documentation to: lab.receiving@floridadep.gov.

OR Print completed documentation and place in zipper bag taped to inside lid of cooler.

Site Location	Field ID
 Z1-SL-17013	 Z1-SL-17013

Relinquished By Signature:

Relinquished By: Frank Butera

Date: 09/06/2023 **Time:** 16:30 CTZ



THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/ Inspected By: _____ **Date:** _____ **Time:** _____ ETZ



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATUS & TREND NETWORKS FIELD SHEET - SURFACE WATER
Effective: January 2023

Collection Agency: 8010 Project Name: Z1SL2309 Date: 09/06/2023

Trend Network Station Name:
OR Status Network Random ID: Z1-SL-17013

Waterbody Name: SHARON LAKE RQ-2023-09-04-17

Waterbody Type: SMALL LAKE

Sampling Team Member Names	Field Measurements	Water Sample Collection	Documentation	Sample Preservation	Field / Equip. Blank Collection	Sediment Sample Collection	Bioassessment Data Collection	Signatures or Initials
Frank Butera	X		X			X	X	FB
Brook Olin		X		X				BO

Additional Personnel / Visitors On-site:

Weather Conditions: Sunny, hot. Low 90's F.

Photos Taken: YES (Required for all Status stations. Required annually for all Trend stations.)

Water Level: LOW	Flow: N/A	Tide: N/A
QA/QC Blank Collected at this station? NA		
QA/QC Blank Field ID:		Collection Time (24 hr):
Van Dorn Equip. ID / Name:		Cleaning:
Bioassessment Data Collected: ☐ None ☒ HA ☐ SCI ☐ RPS ☐ LVS ☒ LVI		

Sediment Sample Collected: YES	Sed. Collection Time (24hr): 12:15	CTZ
Sed. Collection Depth (m) (total water depth): 1.8	Number of Grabs (minimum 3): 5	
Sed. Collection Interval: Top 3-5 cm		
Sed. Collection Area Description: Lake Center		
Sed. Collection Device: Ekman Grab	Device ID: ED1	
Dominant Sed. Type (select one): ORGANIC MUCK		
Sediment Odors (select one): NORMAL		
Sediment Color: Brown		
Sediment Sample Comments:		

Field ID: Z1-SL-17013Project Name: Z1SL2309Date: 09/06/2023

Water Sampling Equipment:



Direct Grab with Sample Container



Van Dorn: _____ # Grabs; _____ Equipment ID

Collection Method: Canoe or KayakField Meter ID: 154179 (ProDSS)Depth Measurement Device: Field Meter Listed Above

DATA COLLECTION DEPTHS: Total depth < 0.1 m → no data collection. Total depth ≥ 0.1m and < 0.6m → surf. meas. & sample at mid-depth.
Total depth ≥ 0.6 m & < 1.5 m → surface meas. & sample at 0.3m. Total depth ≥ 1.5 m → surface meas. & sample at 0.3m, bottom meas. 0.5 m above bottom.

PRIMARY (SURFACE) SAMPLECollection Time (24 hr): **12:05** CTZ

Check here if Secchi depth visible on bottom (S qualifier needed).



Check here if bottom measurements not collected because total depth < 1.5 m.

PARAMETER	VALUE	QUALIFIER(S)	RESULT COMMENT
Sample Collection Depth (m)	0.3		
Secchi Depth (m)	1.6		
Total Depth (m)	1.8		
Temp (°C)	30.6		
D.O. (% SAT)	111.4		
D.O. (mg/L)	8.36		
Sp. Cond. (umhos/cm)	28.7		
pH (SU)	5.91		

BOTTOM SAMPLE (FIELD MEAS. ONLY)Collection Time (24 hr): **12:10** CTZ

PARAMETER	VALUE	QUALIFIER(S)	RESULT COMMENT
Sample Collection Depth (m)	1.3		
Temp (°C)	30		
D.O. (% SAT)	111.3		
D.O. (mg/L)	8.39		
Sp. Cond. (umhos/cm)	28.2		
pH (SU)	6.07		

SAMPLE COMMENTS**PRIMARY (SURFACE):****BOTTOM:****OFFICE USE ONLY**

Reviewed By:

Date:

WIN ID: 63278

SBIO-Visit: 88802

HA-ID: 18987

RPS-ID: N/A

Macro-ID: 12765



RQ-2023-09-04-17

Collected By (Agency Code): 8010

Project Name: Z1SL2309

Sampler Names: Frank Butera, Brook Olin

Customer: AMBIENT

Lab Project ID: STATUS

 Site Location: Z1-SL-17013  Field ID: Z1-SL-17013	Comments: Sulfuric Acid Lot #: SA3013020 Nitric Acid Lot #: NA2230040
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Matrix: W-SURF-FRSH				✓ Grab		
Date Collected	Time Collected	D.O. (% SAT)	Temp (°C)	pH (SU)	Sample Depth (m)	Sp. Cond. (umhos/cm)
09/06/2023	12:05 CTZ	111.4	30.6	5.91	0.3	28.7
Check Boxes for Each Container Submitted to Lab				Preservation (Must be completed within 15 min of sample collection)	# Bottles sent to Lab	Bottle Group
Parameter Suite	Lab Test Codes Trend Core	Lab Test Codes Status Core	Lab Test Codes Special Projects			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☒ CHLSUITE-W		☒ Ice	1	A
Nutrients (P-500ML)	☐ W-NH3 / W-NO2NO3 / W-S-A-TP / W-TKN / W-TOC	☒ W-NH3 / W-NO2NO3 / W-S-A-TP / W-TKN / W-TOC		☒ 2ML H2SO4 ☒ pH < 2 ☒ Ice	1	
Metals (P-500ML)	☐ W-HARD / W-ICP / W-ICPMS	☒ W-HARD / W-ICP / W-ICPMS		☒ 2ML HNO3 ☒ pH < 2 ☒ Ice	1	
Anion / Phys. Aggregate (P-1L)	☐ ALKALINITY / TURBIDITY / W-CL-IC / W-COLOR / W-COND / W-F / W-SO4-IC / W-TSS	☒ ALKALINITY / TURBIDITY / W-CL-IC / W-COLOR / W-COND / W-F / W-SO4-IC / W-TSS		☒ Ice	1	
Microbiology (P-250ML or P-120ML)	☐ ECOLI-18-QT	☒ ECOLI-18-QT		☒ Ice	1	
Toxins (P-125ML/BG-250ML)		☒ W-MCYST-AA / W-SAXTN-MS	☐ W-MCYST-AA / W-SAXTN-MS	☒ Ice	1	
Molecular (QPCR-P-500ML)			☐ PCR-BACR / PCR-DG3 / PCR-GFD / PCR-GULL2 / PCR-HF183	☐ Ice		
Tracers (BG-500ML)			☒ W-E8321-DI / W-E8321-MS	☒ Ice	1	
Pesticides (BG-1L)			☐ W-PSNP-TQ	☐ Ice		
BOD (P-1L)			☐ OV-BOD-UN	☐ Ice		
Filtered Nutrient (P-125ML)			☐ W-PO4-F	☐ Field Filtered w/ syringe & 0.45 um PES filter ☐ Ice		

Matrix: SEDIMENT		Date Collected: 09/06/2023		Time Collected: 12:15 CTZ		
Check Boxes for Each Container Submitted to Lab				Preservation (Must be completed within 15 min of sample collection)	# Bottles sent to Lab	Bottle Group
Parameter Suite	Lab Test Codes Trend Core	Lab Test Codes Status Core	Lab Test Codes Sp. Projects			
Metals (GJ-500ML)		☒ S-HG-TDA / S-ICP-TO / S-ICPMS-TO		☒ Ice	1	C

Matrix: BIOLOGICAL		Date Collected: 09/06/2023		Time Collected: CTZ		
Check Boxes for Each Container Submitted to Lab				Preservation	# Bottles sent to Lab	Bottle Group
Parameter Suite	Lab Test Codes Trend Core	Lab Test Codes Status Core	Lab Test Codes Special Projects			
Macroinvert-SCI (PJ-2L)	☐ MI-FW-QLDC		☐ MI-FW-QLDC	☐ Buffered Formalin (10%)		
Algal ID (PT-50ML)	☐ ALGAL_ID		☐ ALGAL_ID	☐ Ice		



RQ-2023-09-04-17

Project Name: Z1SL2309

Collected By (Agency Code): 8010

Sampler Names: Frank Butera, Brook Olin

Customer: AMBIENT

Lab Project ID: STATUS

Comments:

Sulfuric Acid Lot #:

Nitric Acid Lot #:

Matrix:

✓ Grab

Date Collected

Blank Collection Time

Check Boxes for Each Container Submitted to Lab

Parameter Suite	Lab Test Codes Trend Core	Lab Test Codes Status Core	Lab Test Codes Special Projects	Preservation (Must be completed within 15 min of sample collection)	# Bottles sent to Lab	Bottle Group
Nutrients (P-500ML)	☐ W-NH3 / W-NO2NO3 / W-S-A-TP / W-TKN / W-TOC	☐ W-NH3 / W-NO2NO3 / W-S-A-TP / W-TKN / W-TOC		☐ 2ML H ₂ SO ₄ ☐ pH < 2 ☐ Ice		
Metals (P-500ML)	☐ W-HARD / W-ICP / W-ICPMS	☐ W-HARD / W-ICP / W-ICPMS		☐ 2ML HNO ₃ ☐ pH < 2 ☐ Ice		
Anion / Phys. Aggregate (P-1L)	☐ ALKALINITY / TURBIDITY / W-CL-IC / W-COLOR / W-COND / W-F / W-SO4-IC / W-TSS	☐ ALKALINITY / TURBIDITY / W-CL-IC / W-COLOR / W-COND / W-F / W-SO4-IC / W-TSS		☐ Ice		
Microbiology (P-250ML or P-120ML)	☐ ECOLI-18-QT	☐ ECOLI-18-QT		☐ Ice		
Toxins (P-125ML/BG-250ML)		☐ W-MCYST-AA / W-SAXTN-MS	☐ W-MCYST-AA / W-SAXTN-MS	☐ Ice		
Tracers (BG-500ML)			☐ W-E8321-DI / W-E8321-MS	☐ Ice		
Pesticides (BG-1L)			☐ W-PSNP-TQ	☐ Ice		
Filtered Nutrient (P-125ML)			☐ W-PO4-F	☐ Field Filtered w/ syringe & 0.45 um PES filter ☐ Ice		

Site Name Z1-SL-17013. Sharon Lake

Date: 09/06/2023

WIN-ID 63278

Field ID Z1SL17013

Project: Ambient Status Monitoring / Small Lakes

Visit ID 88802

RQ: 2023-09-04-17

Macro ID 12765

LIMS ID: 2435420

HA ID 18987

WBID: 712

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem in SBIO

Initial FB

☒ Date and Initial QA: 5/29/24 SS

☒ HA entered in SBIO

Initial FB

☒ Date and Initial QA: 5/29/24 SS HA Score 47

☒ LVI entered in SBIO

Initial FB

☒ Date and Initial QA: 5/29/24 SS

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: 6/3/24 FB

☒ Macro ID score: 52

☐ If SMP, scanned into database

Notes: Residential impoundment.

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 88802 MACROPHYTE ID: 12765 LATITUDE: N 30.48029
 COUNTY: Walton (Freeport) STORET #: 63278 LONGITUDE: W -86.33646
 DATE: 9/6/2023 TIME: 10:45 AM SAMPLING AGENCY: FL DEP - NWROC
 SITE NAME: Z1-SL-17013. Sharon Lake WBID: 712
 FIELD ID/NAME: Z1SL17013 LAKE SIZE: 16.31 acres RQ: 2023-09-04-14

WATERSHED / LAKESIDE FEATURES

Project: Status Small Lakes

LIMS ID: 2435424

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category - from GIS): <u>51 in AFB</u> Forest/Natural ☒ Silviculture ☒ Field/Pasture ☐ Agricultural ☐ Residential ☒ Commercial ☐ Industrial ☐ Other (Specify) ☒						LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>N/A</u>			
Local Watershed Erosion (select one): ☐ None ☐ Slight ☒ Moderate ☐ Heavy Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☐ Moderate ☒ Heavy						Artificially Impounded: ☒ Yes ☐ No Land Use Source & Year:			
STORMWATER INPUTS <u>5</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>6</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>4</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 ☐ 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					
Meter Readings: Top: <u>0.3</u> <u>30.6</u> <u>5.91</u> <u>8.36</u> <u>11.4</u> <u>28.7</u> <u>0.01</u> Mid-Depth: Bottom: <u>1.3</u> <u>30.0</u> <u>6.07</u> <u>8.39</u> <u>11.3</u> <u>28.2</u> <u>0.01</u>						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other					
Meter ID: <u>154179</u> Time: <u>12:05</u>						Clarity: ☐ Clear ☒ Turbid ☐ Slightly Turbid Color: ☐ Clear ☐ Tannic ☒ Green					
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated ☒ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify):						SECCHI (M) <u>1.6</u> Total Station Depth (M) <u>1.8</u> VOB ☐ <u>Secchi</u>					
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>Sunny Hot 66</u>						Sediment Odors: ☒ Normal ☐ Other (Specify): ☐ Anaerobic					
SAMPLING TEAM: Frank Butera, <u>Brade Olin</u>						SIGNATURE: <u>FR Butera</u> DATE: <u>9/6/2023</u>					

San open
sediment 12/15

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

STORET STATION NUMBER: 63278	DATE (M/D/Y) 9/6/2023	LAKE NAME Z1-SL-17013. Sharon Lake		FIELD ID / NAME Z1SL17013	
WBID: 712	COUNTY: Walton	SAMPLING LOCATION/DESCRIPTION: Freeport, FL		LAKE SIZE: 16.3	
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	
11	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 6	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	
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 5	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	
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present 4	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present		Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom	
Lakeside Adverse Human Alternations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) 6	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected		Many structures, roads or other human disturbance visible (50%-70%) lakeside affected	
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 4	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer		< 29% of shoreline with >18m buffer	
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 11				

TOTAL SCORE 47	COMMENTS: Silt
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ANALYSIS DATE: 9/6/23	ANALYST: F.B. Butts	SIGNATURE: F.B. Butts
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BIO Sample ID: 88802	HA ID: 18987	QC: S. Slade
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DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Z1-SI-17013 (Sharon Lake)					County: Walton (Freeport)					Date: 9/6/2023				
Analyst: F. Butera					Signature: <i>F. Butera</i>					WIN-ID: 63278				
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>88802</u>	3	6	9	12	Collect ed? (✓)	Macro ID <u>12765</u>	3	6	9	12	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum						Habenaria repens								
Alternanthera philoxeroides						Hydrilla verticillata								
Andropogon sp.		1				Hydrocotyle sp.		1		1				
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma								
Baccharis sp.						*Hypericum fasciculatum								
Bacopa caroliniana						*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium								
Bidens laevis						Ilex cassine								
Bidens mitis	1					Ipomoea aquatica								
Blechnum serrulatum						Ipomoea sagittata								
Boehmeria cylindrica		1	1			Itea virginica		1	1					
Brasenia schreberi						Juncus effusus	1			1				
Cabomba caroliniana						*Juncus marginatus								
Casuarina equisetifolia						*Juncus megacephalus <i>polycarpus</i>	1							
Centella asiatica						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)								
*Commelina						Limnium spongia								
Cornus americanum						Limnophila sessiliflora								
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua								
Cyperus articulatus						*Ludwigia arcuata								
Cyperus haspan						*Ludwigia leptocarpa		1						
*Cyperus lecontei						*Ludwigia linearis								
*Cyperus polystachyos						*Ludwigia octovalvis				1				
*Cyperus odoratus		1				*Ludwigia peruviana								
*Cyperus surinamensis						*Ludwigia repens		1	1					
Cyrtilla racemiflora	1	1	1	1		*Ludwigia								
Decodon verticillatus						Luziola fluitans (H. carolinensis)								
Diodia virginiana						Lyonia lucida								
*Echinochloa crus-galli						Magnolia virginiana								
*Echinochloa muricatum						Mayaca fluviatilis	1							
Echinochloa walteri						Melaleuca quinquenervia								
Eclipta prostrata (E. alba)						Micranthemum glomeratum								
Egeria densa						Micranthemum umbrosum								
Eichhornia crassipes						Mikania scandens								
*Eleocharis baldwinii						Mimosa pigra								
*Eleocharis <i>wisnii</i>						Myrica cerifera								
Eleocharis cellulosa						<i>Cyperus blephar...</i>								
Eleocharis equisetoides						<i>Myrica</i>								
Eleocharis interstincta						<i>Dichanthelium</i>								
*Eriocaulon compressum						<i>Cyperus</i>								
*Eriocaulon decangulare														
Eupatorium capillifolium														
*Fuirena														
Fuirena scirpoidea														
Ordonia lasianthus														
IMS ID: <u>243 5420</u>														

[illegible]

Station: Z1-SL-17013 (Sharon Lake) Sampled : 09/06/2023
GPS Dec. 30.48029 x -86.33646 Sampled By: F. Butera, B. Olin
WIN_ID: 63278 WBID 712 Location: Freeport, Walton County
Sample ID: 63278 Macro ID: 12765 Receiving Waters: Mullet Creek. Basin: Choctawhatchee Bay
RQ-2023-09-04-14 LIMS ID: 2435420

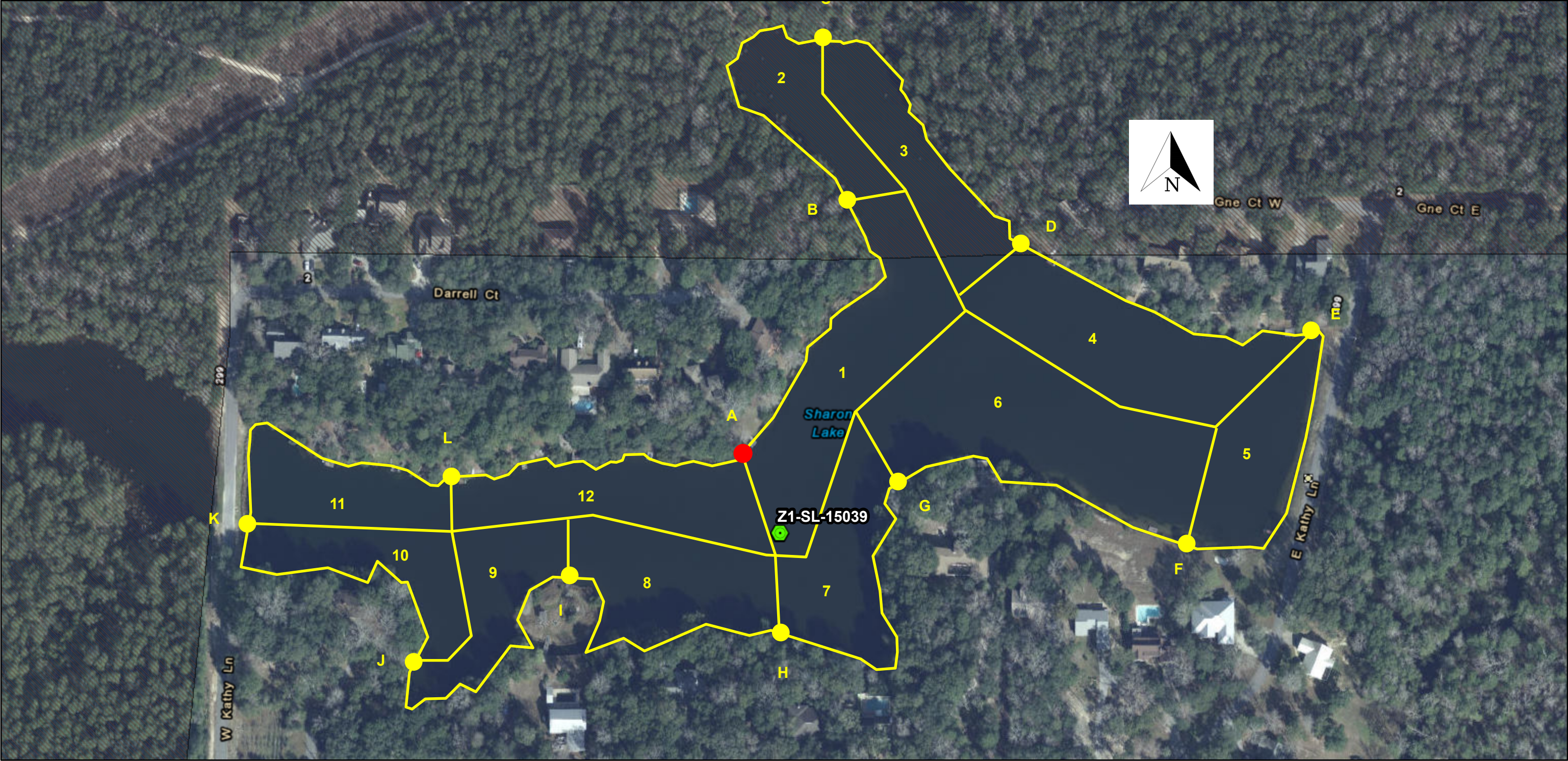
	Taxa	3	6	9	12	Coll.	Verified
1	<i>Andropogon</i> sp.		1				
2	<i>Bidens</i> <i>mitis</i>	1					
3	<i>Boehmeria</i> <i>cylindrica</i>		1	1			
4	<i>Cyperus</i> <i>blepharoleptos</i> *	1	D	C	D		
5	<i>Cyperus</i> <i>odoratus</i>		1				
6	<i>Cyrilla</i> <i>racemiflora</i>	1	1	1	1		
7	<i>Dichanthelium</i> <i>scabriusculum</i>	1		1	1		
8	<i>Eleocharis</i> <i>vivipara</i> (submersed)	C	1	C	1		
9	<i>Hedychium</i> <i>coronarium</i>				1		
10	<i>Hydrocotyle</i> sp.		1		1		
11	<i>Itea</i> <i>virginica</i>		1	1			
12	<i>Juncus</i> <i>effusus</i>	1			1		
13	<i>Juncus</i> <i>polycephalus</i>		1				
14	<i>Ludwigia</i> <i>leptocarpa</i>		1				
15	<i>Ludwigia</i> <i>octovalvis</i>				1		
16	<i>Ludwigia</i> <i>repens</i>		1	1			
17	<i>Lycopus</i> sp.	1	1	1	1		
18	<i>Mayaca</i> <i>fluviatilis</i>	1					
19	<i>Myrica</i> <i>heterophylla</i>	1	1	1	1		
20	<i>Osmunda</i> <i>regalis</i>		1				
21	<i>Panicum</i> <i>repens</i>	1	1				
22	<i>Paspalum</i> <i>urvillei</i>	1		1	1		
23	<i>Rhododendron</i> <i>viscosum</i> var. <i>serrulatum</i>	1			1		
24	<i>Sacciolepis</i> <i>striata</i>	C	1	1	1		
25	<i>Sagittaria</i> <i>lancifolia</i>		1				
26	<i>Sphagnum</i> sp.		1	1	1		
27	<i>Triadenum</i> <i>virginicum</i>	1	1	1	1		
28	<i>Typha</i> sp.		1	1			
29	<i>Xyris</i> sp.	1	1	1	1		
	Taxa per section	14	21	15	16	Herb. Taxa	23
	Exotic Present	3	2	2	3	Woody Taxa	4
	Avg. taxa per section	17	Exotics per Section: 2.5			Ferns	2
	sections with exotics	4				Macro Algae	0
	Exotic Taxa	4				Total Taxa	29

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

Taxon	Section	Section	Section	Section	Exclusion
<i>Green Algae</i>	3	6	9	12	Algae. Not vascular
<i>Smilax</i> <i>laurifolia</i>			9		Vine, does not count
<i>Albizia</i> <i>julibrissin</i>			9		FACU Mimosa Tree
<i>Vitis</i>	3	6	9	12	Vine, does not count

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	50	53	58	47	52
Native Percentage	80	90.48	86.67	86.67	85.96
FLEPPC Pct (Exotic)	6.67	4.76	0	0	2.86
Total Taxa	15	21	15	15	16.50
C of C over 7.0	6.67	14.18	13.33	6.67	10.21
Dominant Taxa	E. baldwini / S. Striata	C. blepharoleptos	C. blepharoleptos / E. baldwini	C. blepharoleptos	C. blepharoleptos / E. baldwini
C of C Dominant	4.175	0	1.5	0	1.42

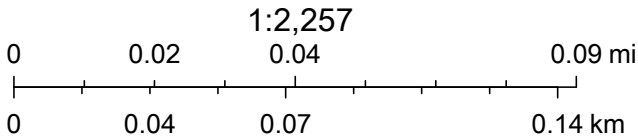
Z1-SL-17013 LVI Map



October 20, 2021

- Military Bases
- Florida Dams
- Small Lake Site

Z1-SL-15039 Sharon Lake
6.6 Hectares / 16.31 Acres
Receiving Water Mullet Ck.
Basin Choctawhatchee Bay. WBID 712
30.48029 x -86.33646
Freeport, Walton County



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Z1-SL-17013. Sharon Lake
Storet

Receiving Water	Mullet Creek
Basin / WBID	Choctawhatchee Bay / 712
City, County	Freeport, Walton Co.
Lake Acreage	6.6 Hectares / 16.309 acres
Circumference (M)	1940
Seg. Length (M)	161.6666667

Section	Location	Dec Deg.
1	Storet TBD	30.48029 x -86.33646
	A	30.48065 x -86.33666
	B	30.48180 x -86.33611
3	C	30.48253 x -86.33624
	D	30.48160 x -86.33520
	E	30.48121 x -86.33367
6	F	30.48024 x -86.33432
	G	30.48052 x -86.33584
	H	30.47984 x -86.33646
9	I	30.4801 x -86.33757
	J	30.47970 x -86.33839
	K	30.48033 x -86.33927
12	L	30.48054 x -86.33819
	A	30.48065 x -86.33666

Launch at Dam on E. Kathy Lane. 30.48055, -86.33369

Contacts

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: 154179

RQ- 2023-09-04-17

Project: Status

Small Lakes

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/29/23

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	B. Olin	09/06/23	0739	22.9	761.5	8.6	8.62	100.2		1.10	(P) F (L) F	
ICV	I	I	0740	22.8	761.5	8.6	8.6	100.2			(P) F (L) F	
CCV	F. Butler	9/6/23	17:10	23.7		8.7					P / F L / F	
CCV	F. Butler	9/6/23	17:30	23.2	758.3	8.45	8.45	97.0			(P) F (L) F	

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	B. Olin	09/06/23	0741	221221B	7/24	1000	1046	(P) F (L) F	
ICV	I	I	0743	23010	7/24	100	105.2	(P) F (L) F	
CCV			1735	2301027A	7/24	100	103.2	(P) F (L) F	
CCV								P / F L / F	

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B. Olin	09/06/23	0746	1100690	8/24	7.	22.6	27.8	70.4	(P) F (L) F	
Calibr.	I	I	0753	1100499	10/23	4.	23.3	3.98	149.3	(P) F (L) F	
Calibr.	I	I	0755	1100738	8/23	10.	22.9	10.0	198.6	(P) F (L) F	
ICV	B. Olin	I	0757	1100499	10/23	4	22.8	3.99	146.7	(P) F (L) F	
CCV			740	1100690	8/31/24	7.0	22.7	7.10	-32.2	(P) F (L) F	
CCV										P / F L / F	

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 170.8, slope from 4 to 7 177.1 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/29/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last verification:

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	B. Olin	09/06/23	0739	0.00	0.00	(P) F (L) F	

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Status Small Lakes ZI-SC-17413

Z1-SL-17013 Sharon Lake L		WBID	Kit	Qty	Bottle Group	Number of Bottles
Z1-SL-17013 Lake)	(Sharon	712	Fresh nutrients	1	A	3
			Metals	1		1
			ECOLI-18QT	1		1
			Microcystins. W-MCYST-AA, W-SAXTN-MS	1		1
			Sediments. S-HG-TDA, S-ICP-TO, S-ICPMS-TO	1	C	1

RQ-2023-09-04-17. Need pictures

Field ID	WBID	WIN Description	County	Lat Long	
Z1SL17013	712	Z1-SL-17013 WIN ID: 63278	Walton	30.48029, W 86.33646	

RQ-2023-09-04-17

Notes (access, boat ramp, etc.)

Z1-SL-17013 (Sharon Lake)	Project Z1SL2309.				
	Lot #	Expiration date:			
Sulfuric Acid	SA3013020	1/25/2024			
Nitric Acid	NA2230040	6/7/2023			
Field ID	TIME	Temperature / Dissolved Oxygen	pH	Conductivity	
Z1-SL-17013					



2023-09-04-17

Location:
Z1SL2309



Z1-SL-17013

Z1SL2309 Z1-SL-17013 SHARON LAKE

Ref:
Dep:

Date: 21Aug23
Wgt: 40.00 LBS

DV:

SHIPPING:
SPECIAL:
HANDLING:
TOTAL:

0.00
0.00
0.00
0.00

Master 6484 8457 7499
TRCV: RARA RAR7 7647