



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2019

WIN Station Name: Lake Conine @ Center Date: 05/14/2019
WIN/ Field ID: G3SW0044 WBID: 14886 Latitude: 28.05980
County: Polk ORG ID: 21FLTPA Longitude: -81.72490
Receiving Body of Water: _____ RQ: 2019-05-26-04

Sampling Team Members						Sampling Equipment					
WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	☒ Sample Container	☐ Van Dorn	☐ Pole	☐ Carboy	☐ Syringe	☐ Dipper	☐ Other
					Depth Measured with Equipment ID _____						
Collection Method											
☐ Wading ☐ Canoe/Kayak											
☐ From Shore ☐ Electric Motor											
☐ Other ☒ Gasoline Motor											
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded											
Meter ID# <u>64 Chewy</u> Matrix: <u>Fresh</u> / Marine / DI											
Photos: Yes / No Flow: No Flow / Intestinal / Flowing / <u>NA</u> Tide: Rising/ Falling/ Slack/ <u>NA</u> Tide Times: High - Low -											
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)	
<u>EST</u>	<u>1150</u>	<u>3.2</u>	<u>0.3</u>	<u>0.7</u>	<u>7.15</u>	<u>91.0</u>	<u>8.04</u>	<u>0.11</u>	<u>233.2</u>	<u>27.8</u>	
<u>CEN</u>	<u>1151</u>		<u>2.7</u>		<u>7.15</u>	<u>91.1</u>	<u>7.74</u>	<u>0.11</u>	<u>233.0</u>	<u>27.8</u>	
Biological Samples Collected: None HA SCI RPS Algae ID LVS <u>LVI</u> Other:											
SBIO ID Numbers: SBIO-ID: <u>79823</u> HA-ID: <u>16067</u> RPS-ID: _____ Macrophyte-ID: <u>11380</u> LIMS#: <u>2086337</u>											
Parameter Suite	Parameter Methods				Preservation	Lot#	Expiration	pH Check			
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP				☒ Ice ☒ H2SO4	<u>SA8344070</u>	<u>12/10/19</u>	☒ <2			
Metals	☐ W-ICPMS ☐ W-ICP				☒ Ice ☐ HNO3			☐ <2			
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice						
Chlorophyll	☒ CHLSUITE-W				☒ Ice						
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-CL-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS				☒ Ice						
Physical/Aggregate (Marine)	☐ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☐ Ice						
Macroinvertebrates	☐ ME-FW-QLDC				☐ Formalin						
Periphyton	☐ ALGAE-ID				☐ Ice						
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice						
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice						
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice						
Pesticides	☐ W-PSNP-TIQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-CARB-AA				☐ Ice						
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice						

Notes:

Field ID/WIN

G3SW0044



Site Name: Lake Conine @ Center

Signature: ASmita

Date:

05/14/2019

LIMS EVENT ID: 2019-05-15-01

WIN Import ID: 14118

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 06/18/2019

QC Station ID, Field Parameters in LIMS DMT: 07/23/2019 SM 08/21/2019

Scan/Save Field Sheets SM 09/16/2019

Migrate Data to WIN: SM 08/21/2019

Verify Data in WIN: SM 09/16/2019

(Initials/Date)

(Initials/Date)

(Initials/Date)

Waterbody: <u>Conine</u>	County: <u>Polk</u>	Date: <u>5/14/14</u>
Analyst: <u>Ashley O'Neil</u>	Signature: _____	STORET: _____
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC invasive exotic.		Lake units sampled (circle one group): <u>1, 4, 7, 10</u> 2, 5, 8, 11 3, 6, 9, 12
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.		

SPECIES	Collected? (✓)				SPECIES	Collected? (✓)			
	1	4	7	10		1	4	7	10
<u>35</u> Acer rubrum				X	Habenaria repens			X	X
Alternanthera philoxeroides	X	X	X		Hydrilla verticillata	X	X	X	X
Andropogon sp.					Hydrocotyle sp.	X	X	X	X
Azolla filliculoides (A. caroliniana)					Hygrophilla polysperma				
Baccharis sp.					*Hypericum fasciculatum				
Bacopa caroliniana					*Hypericum hypericoides				
Bacopa monnieri					*Hypericum myrtifolium				
Bidens laevis					Ilex cassine				
Bidens mitis					Ipomoea aquatica				
Blechnum serrulatum					Ipomoea sagittata				
Boehmeria cylindrica					Itea virginica				
Brasenia schreberi					Juncus effusus				
Cabomba caroliniana					*Juncus marginatus				
Casuarina equisetifolia					*Juncus megacephalus				
Centella asiatica					Juncus repens				
Cephalanthus occidentalis				X	*Juncus scirpoides				
Ceratophyllum demersum			X	X	Lachnanthes caroliniana				
Chara sp.					Leersia hexandra				
Cladium jamaicense					Landoltia punctata (Spirodela punctata)				
Cliftonia monophylla					Lemna sp.				X
Colocasia esculenta	X				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			X	
*Cyperus lecontei					*Ludwigia linearis				
*Cyperus polystachyos					*Ludwigia octovalvis			X	X
*Cyperus odoratus					*Ludwigia peruviana	X	X	X	X
*Cyperus surinamensis					*Ludwigia repens				
Cyrilla racemiflora					*Ludwigia				
Decodon verticillatus					Luziola fluitans (Hydrochloa carolinensis)				
Diodia virginiana					Lyonia lucida				
*Echinochloa crus-galli					Magnolia virginiana				
*Echinochloa muricatum					Mayaca fluviatilis				
Echinochloa walteri					Melaleuca quinquenervia				
Eclipta prostrata (E. alba)					Micranthemum glomeratum				
Egeria densa					Micranthemum umbrosum				
Eichhornia crassipes					Mikania scandens			X	X
*Eleocharis baldwinii					Mimosa pigra				
*Eleocharis					Myrica cerifera				X
Eleocharis cellulosa									
Eleocharis equisetoides									
Eleocharis interstincta									
*Eriocaulon compressum									
*Eriocaulon decangulare									
Eupatorium capillifolium	X								
*Fuirena									
Fuirena scirpoides									
Gordonia lasianthus				X					

Field ID/WIN

G3SW0044



Site Name: Lake Conine @ Center

Site:

Date:

SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana	X	X	X	X	
*Myriophyllum heterophyllum						Salvinia minima			X		
*Myriophyllum laxum						Sambucus canadensis		X		X	
*Myriophyllum pinnatum						Sapium sebiferum				X	
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius		X			
*Najas guadalupensis		X	X	X	X	*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani (Scirpus validus)		X			
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.	X		X			Scirpus cyperinus					
Nymphaea odorata	X		X			*Sesbania					
Nymphoides aquatica						Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.	X			X	
Panicum hemitomon						Thalia geniculata					
Panicum repens	X	X	X			Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.	X	X	X	X	
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				X		*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)	X		X	X		Vallisneria americana	X	X	X	X	
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphagneticola trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata	X	X	X			Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)						Thelypteris vitis		X		X	
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia	X		X	X							
Sagittaria latifolia											

Field ID/WIN

G3SW0044



Site Name: Lake Conine @ Center

SAMPLE ID: see sticker in upper right

MACROPHYTE ID: 11380

COUNTY: POLK

WBID: 14884

LAKE SIZE:

TIME: 1150

Site Name: Lake Conine @ Center

SAMPLING AGENCY: FLDEP SW ROC

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:													
15		5		80																	
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy										Artificially Impounded: ☐ Yes ☐ No											
Local Watershed NPS Pollution: ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy										Land Use Source & Year:											
STORMWATER INPUTS		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation			Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place			Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place			Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place										
		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
LAKESIDE ALTERATIONS		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)			Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected)			Many structures, roads or other human disturbance visible (50%-70% lakeside affected)			Highly developed or disturbed (>70% of lakeside affected)										
		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
BUFFER ZONE		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer			89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer			50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer			< 29% of shoreline with >18m buffer										
		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water:								Water Odors:			
Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH < 2 ☐ No								☒ Normal			
Color Sample Taken? ☒ Yes ☐ No Lot # _____ Exp. Date: _____								☐ Sewage ☐ Petroleum ☐ Other _____			
Alkalinity Sample Taken? ☒ Yes ☐ No								☒ None			
Water Level ☐ Low ☒ Normal ☐ High								☐ Sheen/Slick ☐ Glob ☐ Other _____			
Meter	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)	Clarity:		Color:	
Readings:								☐ Clear	☐ Clear	☐ Tannic	☒ Green
Top:	0.3	27.8	8.04	7.15	91.1	233.2	0.11	☐ Opaque	☒ Turbid		
Mid-Depth:								☐ Slightly Turbid			
Bottom:	2.7	27.8	4.74	7.15	91.1	233.0	0.11				
Meter ID: Chewy								SECCHI (M) 0.7		Total Station Depth (M) 3.2	
Sediment Type: (may check more than one)								Sediment Odors:			
☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated								☒ Normal ☐ Other (Specify): _____			
☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____								☐ Anaerobic			
Biological Communities:				Abundance:				Additional Notes:			
LVI Conducted? ☒ Yes ☐ No				Absent Rare Common Abundant							
Phytoplankton Sample Taken? ☐ Yes ☒ No				Periphyton ☐ ☒ ☐ ☐							
Sample Preserved? ☒ Yes ☐ No				Nuisance Plants ☐ ☐ ☐ ☒							
Lot #: _____ Exp Date: _____				Submersed Plants ☐ ☐ ☐ ☒							
Algal Bloom/Algal ID Sample Taken? Yes ☐ No ☒				Exotic Apple Snails ☐ ☐ ☒ ☐							
Active Vegetation Mgmt? ☐ Yes ☐ No ☒ Don't Know											
Weather Conditions: Heavy cloud cover, thunderstorm and rain conditions.											
SAMPLING TEAM: Hannah Sprinkle, Kelby Callahan								SIGNATURE: [Signature]		DATE: 9/14/2014	

STORET STATION NUMBER: SEE STICKER UPPER RIGHT	LAKE SIZE:	LAKE NAME: <i>lax</i>																		
ECO-REGION:	COUNTY: <i>Polk</i>	SAMPLING LOCATION: <i>@ center</i>	Site Name: <i>Lake Conine @ Center</i>																	
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 or 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	Secchi(m)	3	2.6	2.2	1.8	1.4	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1			
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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										Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)							
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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							
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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										Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom							
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected	Many structures, roads or other human disturbance visible (50%-70%) lakeside affected										Highly developed or disturbed (>70% of lakeside affected)							
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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										< 29% of shoreline with >18m buffer							
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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

(55)

COMMENTS:

ANALYSIS DATE:

5/15/2019

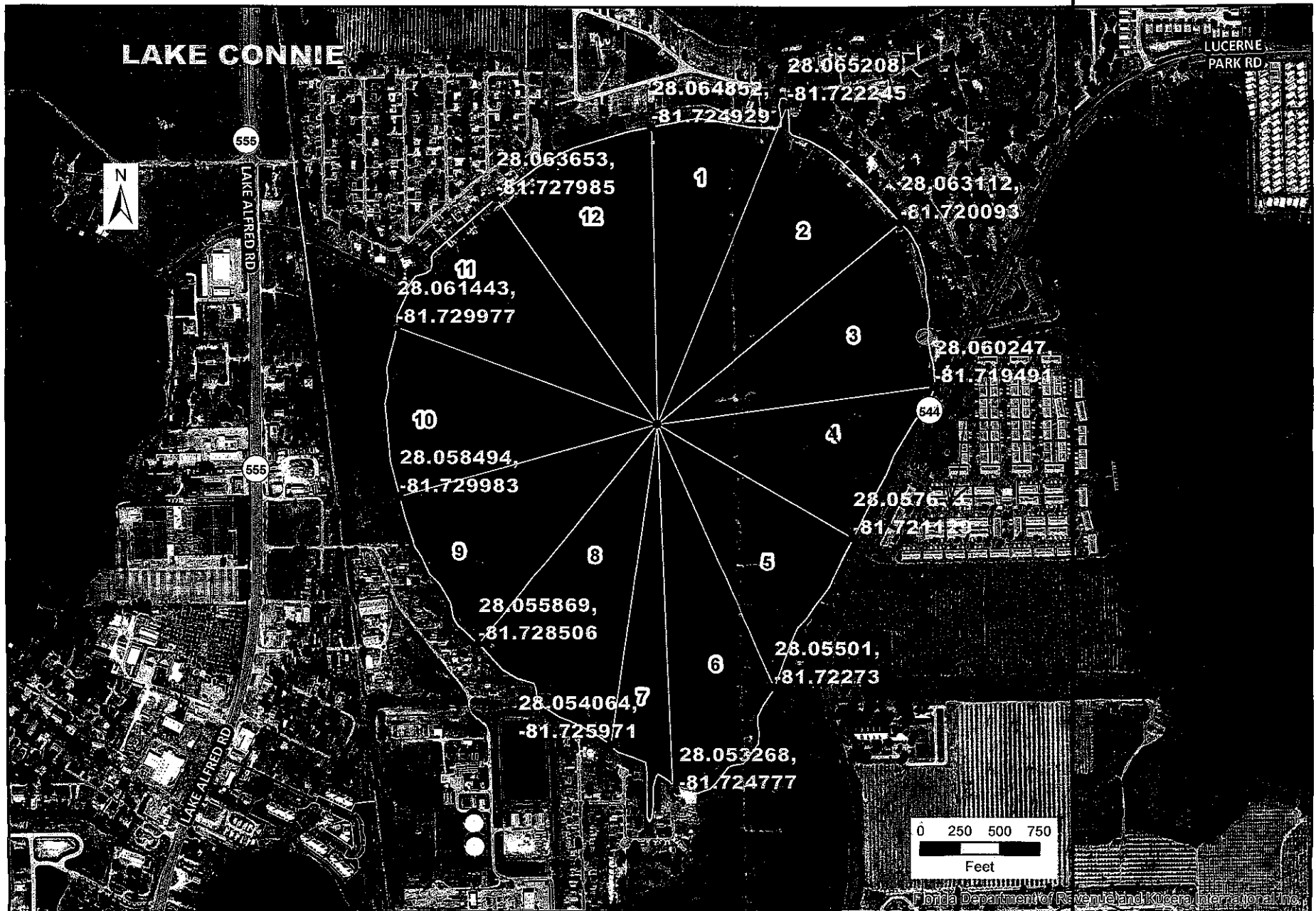
ANALYST:

Hannah Sprinkle

SIGNATURE:

HSM

LVI Map for , WBID 1488U *transsect*



Request Number: RQ-2019-05-20-04

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 2

last revised Jan 25, 2018

Lakes: ~~Harvey, Williams, Amistad~~

Henry, Conine, Gibson

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By: Ben Paswater

Project ID: SMP

Collected By: Ben Paswater + a bunch

Sampling Agency: FLW ROC SROC TALLY

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/14/19 Time 150		Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID/WIN G3SW0044		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Site Name: Lake Conine @ Center		Temp (C) 27.8	pH 8.04	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 233.2		
☐ dms		Salinity (ppt)		Comments				
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/14/19 Time 1005		Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID/WIN G3SW0048		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Site Name: Lake Henry @ Center		Temp (C) 27.36	pH 7.43	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 188		
☐ dms		Salinity (ppt)		Comments				
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/14/19 Time 1300		Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID/WIN G3SW0046		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Site Name: Lake Gibson @ Center		Temp (C) 27.3	pH 8.85	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 203.1		
☐ dms		Salinity (ppt)		Comments				
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date		Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments			

Relinquished By: Ben Paswater	Date/Time: 5/14/19	Shipping Method: Fed Ex	Number of Coolers Shipped:	Received By:	Date/Time:
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Cooler Packing Worksheet for Request: RQ-2019-05-13-68

Lake Fest 19

Ship Cooler On: 5/9/2019

Customer/Project: SW-DIST/LAKESREF

Assigned To: REYNOLDS_T

Requester: Benjamin Paswater

Priority: 3

813-632-7600
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

Attn: Ben Paswater

Comments:

No preservatives needed.

Group A: Nutrients, Metals, Phytoplankton

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00073319

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BP-1L

Qty: 2 Preservation: Lugols

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-C

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample.

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00073297

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00073297

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

Analysis

W²PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: Tyler R.

Number of Coolers: 1

Date: 05/08/19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-05-13-68