



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

A-KIT

PAGE 1 OF 1

Data Qualified?

Yes / No

STORET Station Name: LAKE ROSALIE - M.F. LAKE Date: 6-1-17

(mm/dd/yyyy)

STORET Station ID: 27560038124113 WBID: 1573C Latitude: _____

(Decimal Degrees)

County: POLK RQ - 2017-05-29-19 ORG ID: 21FLTPA Longitude: _____

(Decimal Degrees)

Receiving Body of Water: _____ Field ID: TP12051L

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
JUDY ASHON		X		X		
LAURIE BRISER			X		X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	

Equipment ID _____

Collection Method	
☐ Wading	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☒ Other (note below)	☐ Electric Motor
AIR BOAT	☐ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / High / Flooded Matrix: Fresh / Marine / DI

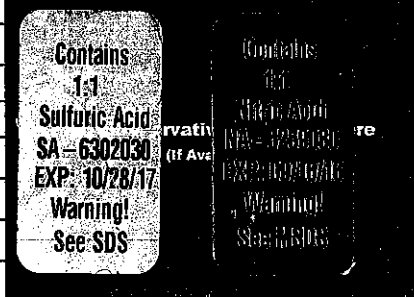
Meter ID# WEE21 Photos: Yes / No Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)
EST	1435	0.3		7.4	99	6.3	0.08		165	29.7
			4.3			3.2				
CEN		3.8		0.3	#6	6.3	0.08	1.3	165	27.6

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other _____

SBIO ID Numbers: SBIO-ID: 77658 RPS-ID: _____ Macrophyte-ID: 10492 LIMS#: 1903334

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4			☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☐ Ice ☒ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um 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-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coll ☐ Entero ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			



Flow 1/2" Quality Flow DTY-QN-C, PKD-QN-C

Notes: YSI PROBE ON BOTTOM MUCK - NO DEPTH MEASUREMENT ON WEE21

RQ-2017-05-29-19 Date: 06-01-2017 Time: _____
Lake Rosalie
TP12051L
Field ID
STORET
27560038124113

Signature: Judy Ashon Date: 6-1-17

Field Parameters Entered into LIMS: LB 6-5-17 Field Parameters QC in LIMS: SM 06/06/2017

Date Migrated to STORET: 7/31/18 MB 6327 Field Sheets Scanned/Saved: _____

(Initials/Date)

(Initials/Date)

Waterbody: LAKE ROSMIE		County: POCA W31D 1573C		Date: 6-1-17							
Analyst: JUDY ASHTON		Signature: <i>[Signature]</i>		STORET:							
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC invasive exotic. SNAIL: 27560039124113 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							
SPECIES	7	10	1	4	Collected? (✓)	SPECIES	7	10	1	4	Collected? (✓)
Acer rubrum	X	X	X	X		Habenaria repens					
Alternanthera philoxeroides	X	X	X	X		Hydrilla verticillata	X	X	X		
Andropogon sp.	X		X			Hydrocotyle sp.					
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.	X	X				*Hypericum fasciculatum					
Bacopa caroliniana						*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis				X		Ipomoea aquatica					
Blechnum serrulatum				X		Ipomoea sagittata					
Boehmeria cylindrica			X	X		Itea virginica					
Brasenia schreberi						Juncus effusus	X				
Cabomba caroliniana	X					*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis	X	X	X			*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra					
Cladium jamaicense				X		Landoltia punctata (Spirodela punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta						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					
*Cyperus odoratus	X	X	X	X		*Ludwigia peruviana					
*Cyperus surinamensis						*Ludwigia repens					
Cyrtilla racemiflora						*Ludwigia		X			
Decodon verticillatus						Luziola fluitans (Hydrochloa carolinensis)	X				
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	X	X	X	X		Mikania scandens					
*Eleocharis baldwinii	X	X	X	X		Mimosa pigra					
*Eleocharis						Myrica cerifera					
Eleocharis cellulosa						Cyperus HASPAN		X	X	X	
Eleocharis equisetoides						Sagittaria HOBISCU		X	X	X	
Eleocharis interstincta						Sagittaria - sp?					
*Eriocaulon compressum						LUDWIGIA BRANDIPUNT		X	X	X	
*Eriocaulon decangulare						YELLOW FLOW					
Eupatorium capillifolium	X	X	X	X		CAREX albolute-scens		X			
*Fuirena						CORDA PILUM					
Fuirena scirpoidea						Sagittaria subulata		X	X	X	
Gordonia lasianthus						PINK PLOW					

PINK SNAIL EGGS - W/L LOW

Site:

Date:

SPECIES	7	10	1	4	Collected? (✓)	SPECIES	7	10	1	4	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana	X	X	X	X	
*Myriophyllum heterophyllum						Salvinia minima	X	X	X	X	
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus	X	X	X	X	
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea		X	X	X		*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)	X	X			
Nuphar sp.	X	X	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.					
Panicum hemitomon	X	X	X	X		Thalia geniculata					
Panicum repens	X	X	X	X		Thelypteris palustris					
Paspalidium geminatum	X	X	X	X		Triadenum virginicum					
*Paspalum repens	X	X	X	X		Typha sp.	X	X	X	X	
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)		X	X	X	
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis	X	X	X	X		*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.	X		X			*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana	X			X	
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphagneticola trilobata)					
*Polygonum	X	X	X	X		Wolffiella spp.					
Pontederia cordata	X	X	X	X		Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					X
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)						SPARTINA BAKERI	X	X	X	X	
Proserpinaca pectinata						SEBONIA	X	X	X	X	
*Rhexia			X			WEST INDIAN MACE					
*Rhynchospora corniculata						FUIRENA BREVISETA					
*Rhynchospora inundata						Hymenachne amplexicaulis					
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto	X	X									
Sacciolepis striata	X	X	X								
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia	X	X	X	X							
Sagittaria latifolia											

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: POLK STORET #: 27560038124113 LONGITUDE: _____
 DATE: 6-1-17 TIME: _____ SAMPLING AGENCY: PAEP
 SITE NAME: LAKE ROSALIE WBID: 1573 C.
 FIELD ID/NAME: TPI 2051L LAKE SIZE: L RO: 2017-05-29-19

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>70</u> Silviculture _____ Field/Pasture <u>20</u> Agricultural _____ Residential <u>10</u> Commercial _____ Industrial _____ Other (Specify) _____					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: _____ 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 <u>17</u>		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 <u>15</u>		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 <u>19</u>		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: 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>0.3</u> <u>29.7</u> <u>6.3</u> <u>7.6</u> <u>99</u> <u>165</u> <u>0.08</u> Mid-Depth: _____ Bottom: <u>3.8</u> <u>27.6</u> <u>6.3</u> <u>0.3</u> <u>3.2</u> <u>165</u> <u>0.08</u> Meter ID: <u>WE074</u>								Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____							
Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT)								Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green							
SECCHI (M) <u>1.5</u> Total Station Depth (M) <u>4.3</u> VOB _____															

Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Sand/Silt ☒ Organic smooth (muck)				Sample Taken? ☐ Yes ☒ No ☐ Vegetated ☐ Other (Specify): _____				Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____			
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot #: _____ Exp Date: _____ Algal Bloom/Algal ID Sample Taken? Yes ☒ No Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know				Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☐ ☒ Nuisance Plants ☐ ☐ ☒ ☐ Submersed Plants ☐ ☒ ☐ ☐ Exotic Apple Snails ☐ ☒ ☐ ☐				Additional Notes: <u>YSI READING FOR BOTTOM WAS IN MUCK - NO DEPTH MEASUREMENT ON PROBE</u>			

Weather Conditions :

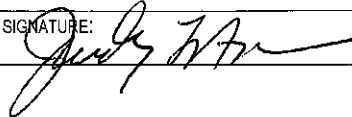
HOT

SAMPLING TEAM: JUDY ASHTON, LAURIE GARCIA

SIGNATURE: Judy Ashton

DATE: 6-1-17

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

STORET STATION NUMBER: 27560038(24)13	DATE (M/D/Y) 6-1-17	LAKE NAME LAKE ROSALIE		FIELD ID / NAME: TP120514
ECO-REGION:	COUNTY: POWL	SAMPLING LOCATION/DESCRIPTION: DEF. LAKE 1573C		LAKE SIZE: 2
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 Secchi(m) Or VOB 20 19 18 17 16	3 2.6 2.2 1.8 <u>1.4</u> 1.0 0.9 0.8 0.7 0.6	10 9 8 7 6	0.5 0.4 0.3 0.2 0.1
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 <u>15</u> 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 <u>16</u>	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 <u>18</u> 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 <u>18</u> 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 >18m buffer 20 <u>19</u> 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 <u>16</u> 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			
TOTAL SCORE	113	COMMENTS: WATER LEVELS VERY LOW		
ANALYSIS DATE: 6-1-17	ANALYST: J. ASHTON	SIGNATURE: 		

Request Number: RQ-2017-05-29-19
Reference Lake

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: SW-DIST
Project ID: LAKESREF

Requester: Judy Ashton
Collected By: J. Ashton, L. Bachtel

Field Report Prepared By: Judy Ashton
Sampling Agency: FDEP

Location	RQ-2017-05-29-19		TP12051L		Field ID		Bottle Group(s)	
Field ID	Date: 06-01-2017		Time: 1435		Matrix (type, e.g., Salt, Fresh, etc)		(See pg 2)	
STORET #	Lake Rosalie		27560038124113		Temp (C) 29.7		pH 6.3	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt) 0.08		Comments	
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date 6-1-17		Time 1435		Eastern: ☐ Central: ☒ Composite end: ☐	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth 0.3		ft ☐ m ☒ Sp. Conductance (umho/cm) 165	
STORET #	Temp (C)		pH		Sample Depth		ft ☐ m ☒ Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date		Time		Eastern: ☐ Central: ☐ Composite end: ☐	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
STORET #	Temp (C)		pH		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date		Time		Eastern: ☐ Central: ☐ Composite end: ☐	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
STORET #	Temp (C)		pH		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date		Time		Eastern: ☐ Central: ☐ Composite end: ☐	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
STORET #	Temp (C)		pH		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date		Time		Eastern: ☐ Central: ☐ Composite end: ☐	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
STORET #	Temp (C)		pH		Sample Depth		ft ☐ m ☐ Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: J. Ashton	Date/Time: 6-1-17 1700	Shipping Method: FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time:
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