

CHECK LIST FOR WATER CHEMISTRY DATA ASSOCIATED WITH LVI
BIOASSESSMENT

RQ#: 2016-07-11- EventID# _____

Sampling Date: 7-13-16 Sampling Crew: Judy Ashton, S. Chingerman

CHAPMAN LAKE

Site(s)/STORET #: 615W0027 G1SW0064

STORET /LIMS:

Sonde: Pass / failed CCV
Parameter(s): _____

- ☐ 1. Spread Sheet (LIMS Input) _____ / _____
Initials Date
- ☐ 2. QC 1 _____ / _____ ☐ 3. QC 2 _____ / _____
Initials Date Initials Date
- ☐ 4. SIM File Generated _____ / _____
Initials Date
- ☐ 5. STORET Upload _____ / _____
Initials Date

Biology:

SBIO ID# _____
VPDB ID# _____

- ☐ 6. Site and Event established in SBio?
- ☐ 7. Habitat Data and YSI Entered Into SBIO _____ / _____
Initials Date
- ☐ 8. Habitat Data and YSI QC _____ / _____
Initials Date
- ☐ 9. SBio data marked complete _____ / _____
Initials Date
- ☐ 10. Macrophyte Data Entered into VPDB _____ / _____
Initials Date
- ☐ 12. Field Paperwork Filed In Biology Lab _____ / _____
Initials Date
- ☐ 13. Macrophyte Data QC _____ / _____ 11. Macrophyte Data Marked Complete _____ / _____



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

A-KIT

PAGE 1 OF 1

Data Qualified?
Yes / No

STORET Station Name: LAKE CHAPMAN

Date: 7-13-16

STORET Station ID: G1SW0028 24030089 G1SW0064

Latitude: 27.94568 N

WBID: 1502C RQ-2016-07-11-35 ORG ID: 21FLTPA

Longitude: -82.36028 W

Receiving Body of Water:

Field ID: G1SW0028

County: HILLSBOROUGH

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jana Asitwa						X	X		
STEPHAN CLINDAMAN					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
	☐ Gasoline Motor

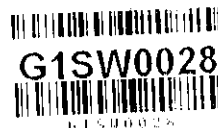
Water Level: Dry / Low / Normal / High / Flooded										Matrix: Fresh / Marine / DI
Meter ID# LIL JON										Tide Falling: Yes / No / NA
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)
EST	11:40	0.3	2.6	6.0	82	7.2	0.18	0.5	380	31.6°
CEN		2.1		4.5	61	7.0	0.18		377	31.0°

Biological Samples Collected: None HA SCI LVS RPS LVI Other										
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-JCPMS ☐ W-ICP				☐ Ice ☐ HNO2			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice					
Chlorophyll	☒ CHLSUITE-W				☒ Ice					
BOD	☐ BOD-UNIN				☐ Ice					
Physical/Aggregate (Kit A)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice					
Physical/Aggregate (Kit B)	☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin					
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR				☐ Ice					
Periphyton	☐ ALGAE-ID				☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice					
	☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other					
Flow m/s	"J" Qualify Flow									

Place Preservative Sticker(s) Here
(if Available)

Notes:

RQ-2016-07-11-35
Date: 07/13/16
Time:



Signature:

Date:

07-13-2016

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: HILLS STORET #: 61500021 LONGITUDE: _____
 DATE: 7-13-16 TIME: _____ SAMPLING AGENCY: PAEP
 SITE NAME: LAKE CHAMMAN WBID: 15022C
 FIELD ID/NAME: _____ LAKE SIZE: L RQ: 2016-07-11-35

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS): Forest/Natural <u>25</u> Silviculture _____ Field/Pasture _____ Agricultural _____ Residential <u>75</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 Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy					Artificially Impounded <u>NOT SURE</u> ☐ Yes ☒ No				
STORMWATER INPUTS <u>8</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>8</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>8</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 ☒ 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 _____ Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____				
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>31.6</u> <u>7.2</u> <u>6.0</u> <u>82</u> <u>380</u> <u>0.18</u> Mid-Depth: _____ Bottom: _____ Meter ID: _____					Clarity: ☐ Clear ☒ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☐ Tannic ☒ Green SECCHI (M) <u>0.5</u> Total Station Depth (M) <u>2.6</u> VOB ☐				
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Sand/Silt ☐ Organic smooth (muck) Sample Taken? ☐ Yes ☒ No Vegetated <u>DEAD</u> Other (Specify): <u>ALGAE</u>					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 ☐ ☐ ☒ ☐				
Weather Conditions: _____					Additional Notes: _____				
SAMPLING TEAM: <u>Julia Ashton, Stephen Climbickian</u>					SIGNATURE: <u>Julia Ashton</u>		DATE: <u>7-13-16</u>		

Site:				Date:			
SPECIES			Collected? (✓)	SPECIES			Collected? (✓)
Myriophyllum aquaticum				Salix caroliniana		X	X
*Myriophyllum heterophyllum				Salvinia minima			
*Myriophyllum laxum				Sambucus canadensis			
*Myriophyllum pinnatum				Sapindus sebiferum			
Myriophyllum spicatum				Saururus cernuus			
*Najas filifolia				Schinus terebinthifolius		X	X
*Najas guadalupensis				*Schoenoplectus californicus			X
*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				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		X	X
Panicum repens				Thelypteris palustris			
Paspalidium geminatum				Triadenum virginicum			
*Paspalum repens				Typha sp.		X	X
Paspalum urvillei				Urochloa mutica (Brachiaria mutica)		X	X
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 (Sphagneticola trilobata)		X	
*Polygonum				Wolffiella spp.			
Pontederia cordata				Woodwardia virginica			
*Potamogeton diversifolius				Xyris sp.			
*Potamogeton illinoensis				Zizania aquatica			
*Potamogeton pusillus				Zizaniopsis milacea			
*Potamogeton pectinatus (Stuckenia pectinatus)				CASTLE BEAN - R. PINUS COMMUNIS		X	
Proserpinaca pectinata				SYLVESTRIA PALMIFOLIA		X	
*Rhexia				CAMPBELL		X	
*Rhynchospora corniculata				LOBLOLLY BAY		X	X
*Rhynchospora inundata				GORDONIA LASIANTHUS			
Rhynchospora tracyi				SYMPLOCARPA FOETIDIFOLIA		X	
Ricciocarpus natans				CINNAMOMUM CAMPHORA		X	
Sabal palmetto							
Sacciolepis striata							
*Sagittaria filiformis							
*Sagittaria graminea							
*Sagittaria isoetiformis							
Sagittaria lancifolia							
Sagittaria latifolia							

Waterbody: <u>CHAPMAN LAKE</u>		County: <u>HILLS</u>		Date: <u>7-13-16</u>							
Analyst: <u>JUDY ASHTON</u>		Signature: <u>Judy Ashton</u>		STORET:							
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.											
SPECIES	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	12	Collected? (✓)
Acer rubrum		X	X	X		Habenaria repens					
Alternanthera philoxeroides	X	X		X		Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.	X	X			
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.						*Hypericum fasciculatum					
Bacopa caroliniana						*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis						Ipomoea aquatica					
Blechnum serrulatum		X	X	X		Ipomoea sagittata					
Boehmeria cylindrica				X		Itea virginica					
Brasenia schreberi						Juncus effusus					
Cabomba caroliniana						*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis						*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra					
Cladium jamaicense						Landoltia punctata (Spirodela punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta		X				Leucothoe racemosa (Eubotrys racemosa)					
*Commelina						Limnobia 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					
*Cyperus odoratus	X			X		*Ludwigia peruviana					
*Cyperus surinamensis						*Ludwigia repens					
Cyrilla racemiflora						*Ludwigia	X	X	X	X	
Decodon verticillatus						Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli	X	X				Magnolia virginiana					
*Echinochloa muricatum						Mayaca fluviatilis					
Echinochloa walteri		X				Melaleuca quinquenervia			X	X	
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes	X	X	X	X		Mikania scandens	X	X			
*Eleocharis baldwinii						Mimosa pigra					
*Eleocharis						Myrica cerifera					
Eleocharis cellulosa											
Eleocharis equisetoides											
Eleocharis interstincta											
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium		X									
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus											

* FROTUS THROW - LOTS OF FILAMENTOUS ALGAE ON BOTTOM

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

STORET STATION NUMBER: 615100027	DATE (M/D/Y) 7-13-14	LAKE NAME LAKE CHAPMAN		FIELD ID / NAME:	
ECO-REGION:	COUNTY: HILLS.	SAMPLING LOCATION/DESCRIPTION:		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 ☐ 5	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	0.5 0.4 0.3 0.2 0.1 ☒ 5 4 3 2 1	
Vegetation Quality ☐ 12	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 ☐ 8	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 ☐ 11	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 ☐ 8	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 ☐ 8	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 ☐ 11	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 ☐ 63	COMMENTS:				
ANALYSIS DATE: 7-13-14	ANALYST: <i>Shay Azhar</i>		SIGNATURE: <i>[Signature]</i>		



Package
US Airbill

FedEx
Tracking
Number

8099 4720 1232

1 From Please print and press hard.

Date 07-13-16 Sender's FedEx Account Number

Sender's Name FDEP

Phone (813) 470-5700

Company

Address 13051 N TELECOM PKWY

Dept./Floor/Suite/Room

City TEMPLE TERRACE State FL ZIP 33637

2 Your Internal Billing Reference

First 24 characters will appear on invoice.

3 To

Recipient's Name SAMPLE RECEIVING

Phone (850) 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

Address 2600 BLAIRSTONE RD

We cannot deliver to P.O. boxes or F.D. ZIP codes.

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Use this line for the HOLD location address or for continuation of your shipping address.

City TALLAHASSEE

State

FL ZIP 32399

0122645602



Leave the packing to the pros at FedEx Office.
Go to fedex.com/office

Form
ID No. 0215

4 Express Package Service

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For more information, see the
FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select
locations. Friday shipments will be delivered on
Monday unless Saturday Delivery is selected.

☒ FedEx Priority Overnight
Next business morning. Friday shipments will be
delivered on Monday unless Saturday Delivery
is selected.

☐ FedEx Standard Overnight
Next business afternoon.
Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning.
Saturday Delivery NOT available.

☐ FedEx 2Day
Second business afternoon. Thursday shipments
will be delivered on Friday unless Saturday
Delivery is selected.

☐ FedEx Express Saver
Third business day.
Saturday Delivery NOT available.

5 Packaging

* Declared value limit \$500.

☐ FedEx Envelope*

☐ FedEx Pak*

☐ FedEx Box

☐ FedEx Tube

☒ Other

6 Special Handling and Delivery Signature Options

Rate may apply. See the FedEx Service Guide.
☐ Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required
Package may be left without
obtaining a signature or delivery.
☐ Direct Signature
Signature at recipient's address
may sign for delivery.

☐ Indirect Signature
If no one is available at recipient's
address, someone at neighboring
address may sign for delivery. For
restricted deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.
☐ Yes
Shipper's Declaration
not required.
☐ No
Shipper's Declaration
not required.

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

Exp. Date

FedEx Account No. 4490-2262-7

Total Packages Total Weight Total Declared Value

1 50 lbs. \$

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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By: SL

Project ID: SMP

Collected By: SC, JASampling Agency: ZILRTPA (EDEP-Subrec)

Location	Field ID	STORET #	Latitude	Comp	Collection (comp begin or grab)	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Comments	Diss. Oxygen	% sat	Sp. Conductance (umho/cm)	Sample Depth	Total Res. Chlorine (mg/L)	Bottle Group(s)
CHAMAN LAKE	RQ-2016-07-11-35			☒ Grab	Date 07-13-16	FRESH	31.6	7.2	0.18					0.3	380	A
LAKE ESTES	RQ-2016-07-11-35			☒ Grab	Date 07-13-16	FRESH	32.9	7.1	0.12					0.3	252	A
LAKE ESTES (DUP)	RQ-2016-07-11-35			☒ Grab	Date 07-13-16	FRESH										A
LAKE ESTES (BLANK)	RQ-2016-07-11-35			☒ Grab	Date 07-13-16	FRESH										A

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	07-13-16 1800	FedEx	1		