



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: Gore Lake Center

Date: 8/10/2016
(mm/dd/yyyy)

STORET Station ID: 20030339

Latitude: 29 27' 40"
(Decimal Degrees)

WBID: 2622C RQ: 2016-08-08-65 ORG ID: 21 FLA

Longitude: 81 13' 05"
(Decimal Degrees)

Receiving Body of Water: N/A

Field ID: _____

County: Flagler

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>B. Davis</u>		☒	☒	☒	☒	☒
<u>J. Perish</u>		☒	☒	☒	☒	☒
		☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other _____	
Equipment ID _____		
Collection Method		
☐ Wading From	☐ Via Boat	
☐ Shore	☐ Canoe/Kayak	
☐ Other (note below)	☐ Electric	
	☒ Motor	

Water Level: Dry / Low / Normal / High / Flooded

Meter ID# Quanta Photos: Yes / No

Matrix: Fresh / Marine / DI

Tide Falling: Yes / No / NA

Time	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	10:25	<u>0.3</u> <u>2.3</u>	<u>2.3</u>	<u>6.26</u>	<u>82.0</u>	<u>7.56</u>	<u>0.09</u>	<u>1.5</u>	<u>179</u>	<u>29.15</u>
CEN	10:30	<u>1.5</u>		<u>6.44</u>	<u>83.3</u>	<u>7.43</u>	<u>0.09</u>		<u>179</u>	<u>28.76</u>

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

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H ₂ SO ₄	<u>157449</u>	<u>12/19/16</u>	☒ <2
Metals	☐ W-JCPMS ☐ W-ICP	☒ Ice ☐ HNO ₃			☒ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☐ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☐ BOD-MNIN	☐ 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 ☐ Enteroc ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			
<u>DTY-QN-C PKD-QN-C</u>					

Notes: _____

Place Label Here
(If Available)

Signature: Jeremy Parris

Date: 8/10/16

Field Parameters Entered into LIMS: 8/29/16
(Initials/Date)

Field Parameters QC in LIMS: _____
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

Field Sheets Scanned/Saved: _____
(Initials/Date)

QA/QC Sample Information

Duplicate

Time Zone: <u>EST</u> CEN		Sample Depth (m): _____		Field ID: _____	
Time: _____		Total Depth (m): _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ TKN / TP / Nox / NH3 / TOC ☐ Other _____	☐ Ice ☐ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☐ oP ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
BOD	☐ BOD-INHB ☐ BOD-UNIN	☐ Ice			
Physical/Aggregate	☐ TSS / Turbidity / Alkalinity / Color ☐ Other _____	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other _____			

Blank

Time Zone: <u>EST</u> CEN		Time: _____		Field ID: _____		Location: _____	
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipnet ID: _____					
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check		
Preserved Nutrients	☐ TKN / TP / Nox / NH3 / TOC ☐ Other _____	☐ Ice ☐ H ₂ SO ₄			☐ < 2		
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2		
Filtered Nutrients	☐ oP ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)				
Chlorophyll	☐ CHLSUITE-W	☐ Ice					
BOD	☐ BOD-INHB ☐ BOD-UNIN	☐ Ice					
Physical/Aggregate	☐ TSS / Turbidity / Alkalinity / Color ☐ Other _____	☐ Ice					
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other _____					

Notes:

Place Label Here
(if Available)

Signature: _____

Date: _____

Field Parameters Entered into LIMS: _____ Field Parameters QC in LIMS: _____

(Initials/Date)

(Initials/Date)

Date Migrated to STORET: _____ Field Sheets Scanned/Saved: _____

(Initials/Date)

(Initials/Date)

#76769

PHYSICAL/CHEMICAL CHARACTERIZATION ELECTRONIC FIELD SHEET

SAMPLE ID : _____	ORG ID : _____	Latitude : _____			Longitude : _____		
COUNTY : <u>FLAGLER</u>	STORET # : <u>20030339</u>	_____	_____	_____	_____	_____	_____
DATE : <u>8/10/16</u>	TIME : <u>1025</u>	(degrees)	(minutes)	(seconds)	(degrees)	(minutes)	(seconds)
SITE NAME : <u>Gore Lake Center</u>					SAMPLE COMPLETE ? _____		
FIELD ID/NAME : _____					RECEIVING BODY OF WATER : _____		

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :							
Forest/Natural	silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)
<u>90</u>		<u>10</u>					
Local Watershed Erosion (select one) : ☒ None ☐ Slight ☐ Moderate ☐ Heavy				Typical Width (m) Depth (m)/Velocity (m/sec) Transect			
Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy				_____ m wide			
Width of Riparian Vegetation (m) on Each Buffer Side				_____ m/s _____ m/s _____ m/s			
Left Bank : <u>218m</u> Right Bank : <u>218m</u>				_____ m deep _____ m deep _____ m deep			
High Water Mark : <u>2.3</u> + <u>2.3</u> = <u>2.8</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No			
Artificially ☐ No ☐ Mostly recovered, more sinuous				Canopy Cover % : ☒ Open ☐ Lightly Shaded (11-45%)			
Channelized : ☐ Some recovery ☐ Recent, severe				☐ Heavily Shaded ☐ Moderate Shaded (46-80%)			

SEDIMENT / SUBSTRATE

Sediment Oils ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse		Sediment Odors ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify) : _____		Sediment Deposition ☐ Sludge Sand Smothering : None Slight Moderate Severe Silt Smothering : None Slight Moderate Severe ☐ Other (Specify) : _____			
SUBSTRATE TYPE Assessment Tool : ☐ SCI ☐ BioRecon ☐ LCI ☒ LVI % Coverage ☐ INVERT ☐ PERI # Times Sampled # Times Sampled		WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M) Top : <u>0.3</u> <u>29.15</u> <u>7.36</u> <u>6.26</u> <u>179</u> <u>0.09</u> <u>1.5</u> Mid-Depth : <u>2</u> _____ _____ _____ _____ _____ _____ Bottom : <u>2.3</u> _____ _____ _____ _____ _____ _____					
Woody Debris (Snags) _____		Water Surface Oils : ☒ None ☐ Sheen ☐ Globs ☐ Slick					
Undercut Banks / Roots _____		Water Odors : ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Other (Specify) : _____					
Leaf Packs or Mat _____		Water Sample Taken ? ☒ Yes ☐ No		SYSTEM TYPE ☐ Stream ☒ Lake			
Aquatic Vegetation _____		Algae Sample Taken ? ☐ Yes ☒ No		☐ Wetland ☐ Estuary			
Rock or Shell Rubble.. _____		Clarity ☒ Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque		Color ☒ Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) : _____			
Sand..... _____							
Mud / Muck / Silt _____							
Other _____							
Other _____							

WEATHER CONDITIONS / NOTES :

ABUNDANCE

☐ The antecedent hydrologic conditions have been met to my best knowledge.
Water samples preserved ? ☐ Yes ☒ pH < 2 ☐ No Algae samples preserved ? ☐ Yes ☐ No

	Absent	Rare	Common	Abundant
Periphyton :	☐	☒	☐	☐
Fish :	☐	☐	☒	☐
Aquatic Macrophytes :	☐	☐	☒	☐
Iron/Sulfur Bacteria :	☐	☒	☐	☐

SAMPLING TEAM :

SIGNATURE :

DATE :

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

STORET STATION NUMBER: 20030339	DATE (M/D/Y) 8/10/16	LAKE NAME Gore Lake Center		FIELD ID / NAME:	
ECO-REGION:	COUNTY: Flagler	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE:	
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 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	114				
COMMENTS:					

ANALYSIS DATE: 8/10/16	ANALYST: JBam	SIGNATURE: JBamish
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#76769

Waterbody: <u>Gore Lake Center</u>	County: <u>Flagler</u>	Date: <u>8/10/16</u>	
Analyst: <u>g. harris</u>	Signature: <u>g. harris</u>	STORET: <u>20030339</u>	
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 <u>2, 5, 8, 11</u> 3, 6, 9, 12	
SPECIES	Collected? (✓)	SPECIES	Collected? (✓)
<i>Acer rubrum</i>	✓	<i>Habenaria repens</i>	
<i>Alternanthera philoxeroides</i>	✓	<i>Hydrilla verticillata</i>	
<i>Andropogon</i> sp.		<i>Hydrocotyle</i> sp.	
<i>Azolla filiculoides</i> (<i>A. caroliniana</i>)		<i>Hygrophila polysperma</i>	
<i>Baccharis</i> sp.		* <i>Hypericum fasciculatum</i>	
<i>Bacopa caroliniana</i>		* <i>Hypericum hypericoides</i>	
<i>Bacopa monnieri</i>		* <i>Hypericum myrtifolium</i>	
<i>Bidens laevis</i>		<i>Ilex cassine</i>	✓
<i>Bidens mitis</i>		<i>Ipomoea aquatica</i>	✓
<i>Blechnum serrulatum</i>		<i>Ipomoea sagittata</i>	✓
<i>Boehmeria cylindrica</i>		<i>Itea virginica</i>	
<i>Brasenia schreberi</i>		<i>Juncus effusus</i>	
<i>Cabomba caroliniana</i>		* <i>Juncus marginatus</i>	
<i>Casuarina equisetifolia</i>		* <i>Juncus megacephalus</i>	
<i>Centella asiatica</i>		<i>Juncus repens</i>	
<i>Cephalanthus occidentalis</i>	✓	* <i>Juncus scirpoides</i>	
<i>Ceratophyllum demersum</i>	✓	<i>Lachnanthes caroliniana</i>	
<i>Chara</i> sp.		<i>Leersia hexandra</i>	
<i>Cladium jamaicense</i>	✓	<i>Landoltia punctata</i> (<i>Spirodela punctata</i>)	
<i>Cliftonia monophylla</i>	✓	<i>Lemna</i> sp.	
<i>Colocasia esculenta</i>	✓	<i>Leucothoe racemosa</i> (<i>Eubotrys racemosa</i>)	
* <i>Commelina</i>		<i>Limnium spongia</i>	✓
<i>Crinum americanum</i>		<i>Limnophila sessiliflora</i>	
* <i>Cyperus alternifolius</i> (<i>C. involucratus</i>)		<i>Liquidambar styraciflua</i>	
<i>Cyperus articulatus</i>		* <i>Ludwigia arcuata</i>	
<i>Cyperus haspan</i>		* <i>Ludwigia leptocarpa</i>	
* <i>Cyperus lecontei</i>		* <i>Ludwigia linearis</i>	
* <i>Cyperus polystachyos</i>		* <i>Ludwigia octovalvis</i>	
* <i>Cyperus odoratus</i>		*<i>Ludwigia peruviana</i>	✓
* <i>Cyperus surinamensis</i>		* <i>Ludwigia repens</i>	
<i>Cyrilla racemiflora</i>		* <i>Ludwigia</i>	
<i>Decodon verticillatus</i>	✓	<i>Luziola fluitans</i> (<i>Hydrochloa carolinensis</i>)	
<i>Diodia virginiana</i>	✓	<i>Lyonia lucida</i>	
* <i>Echinochloa crus-galli</i>		<i>Magnolia virginiana</i>	
* <i>Echinochloa muricatum</i>		<i>Mayaca fluviatilis</i>	
<i>Echinochloa walteri</i>		<i>Melaleuca quinquenervia</i>	
<i>Eclipta prostrata</i> (<i>E. alba</i>)		<i>Micranthemum glomeratum</i>	
<i>Egeria densa</i>		<i>Micranthemum umbrosum</i>	
<i>Elchhornia crassipes</i>		<i>Mikania scandens</i>	
* <i>Eleocharis baldwinii</i>		<i>Mimosa pigra</i>	
* <i>Eleocharis</i>		<i>Myrica cerifera</i>	✓
<i>Eleocharis cellulosa</i>			
<i>Eleocharis equisetoides</i>			
<i>Eleocharis interstincta</i>			
* <i>Eriocaulon compressum</i>			
* <i>Eriocaulon decangulare</i>			
<i>Eupatorium capillifolium</i>			
* <i>Fuirena</i>			
<i>Fuirena scirpoidea</i>	✓		
<i>Gordonia lasianthus</i>	✓		

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: <u>GORE LAKE CENTER</u>					Date: <u>8/10/16</u>				
SPECIES				Collected? (✓)	SPECIES				Collected? (✓)
Myriophyllum aquaticum					Salix caroliniana	✓	✓	✓	✓
*Myriophyllum heterophyllum					Salvinia minima				
*Myriophyllum laxum					Sambucus canadensis				
*Myriophyllum pinnatum					Sapium sebiferum				
Myriophyllum spicatum					Saururus cernuus				
*Najas filifolia					Schinus terebinthifolius				
*Najas guadalupensis					*Schoenoplectus californicus				
*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.				
Panicum hemitomon					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				
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 (Sphagnetocola trilobata)				
*Polygonum					Wolffiella spp.				
Pontederia cordata					Woodwardia virginica				
*Potamogeton diversifolius					Xyris sp.				
*Potamogeton illinoensis					Zizania aquatica				
*Potamogeton pusillus					Zizaniopsis milacea				
*Potamogeton pectinatus (Stuckenia pectinatus)									
Proserpinaca pectinata									
*Rhexia									
*Rhynchospora corniculata									
*Rhynchospora inundata									
Rhynchospora tracyi									
Ricciocarpus natans									
Sabal palmetto									
Sacciolepis striata									
*Sagittaria filiformis									
*Sagittaria graminea									
*Sagittaria isoetiformis									
Sagittaria lancifolia									
Sagittaria latifolia									

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

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

Meter Hydrolab RQ- 2016-08-08-65 Project Lake Revere

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site L-6

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

7/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J Parsh	8/10/16	721	23.0	8.58	8.58	100	-	-	P	L
ICV	J	J	722	23.0	8.58	8.57	100.5	-	-	P	L
CCV		8/10/16	1503	24.66	8.21	8.21	99.0	-	-	P	L
CCV					8.31						

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J Parsh	8/10/16	723	160616A	6/17	1000	998	P	L
ICV	B Varis	8/10/16	1505	151113A	11/16	100	102	P	L
CCV									
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J Parsh	8/10/16	724	2608E04	6/18	7.0	7.0	-	P	
Calibr.	J Parsh		727	2602556	1/18	4.0	4.0	-	P	
Calibr.	J Parsh		731	2510A88	4/17	10.0	9.85	-	P	
ICV	B Varis	8/10/16	1506	2607556	1/18	4.0	3.96	-	P	
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range

+180 ± 50 ; mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165

and 180mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater