



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?

Yes ☒ No ☐

Location/STORET Station Name: LITTLE DEER LAKE

Date: 08/31/2017
(mm/dd/yyyy)

STORET # G1SW0070

WBID: 1478G

Latitude: 28.16382222

County: Hillsborough

RQ - 2017-08-28-14

ORG ID: 21FLTPA

Longitude: -82.46534444

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water:

Field ID: G1SW0070

Sampling Team Members						Sampling Equipment				
Musson Storrs						☒ 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 / Pooled / Low / Normal / High / Flooded						Matrix: Fresh / Marine / DI				
Meter ID# Biology 2						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 (µmhos/cm)	Temp. (C°)
EST	1125	0.5	2.5	6.94	92.9	5.92	0.06	2.0	133	30.35
CEN	1123	2.0		5.48	71.0	5.65	0.06		132	29.82

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

SBIO ID Numbers: SBIO-ID: 77898 RPS-ID: Macrophyte-ID: 10701 LIMS#: 1927008

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	57163030	06/12/18	☒ <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-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Access granted by Nicole Powell in 2017. 616 Lightsey Ln, 813-525-3657. Drive to Rt. Side yard and carry canoe back. Would like data emailed to Nicolepowell08@gmail Kit A, LVI

Signature:

RQ-2017-08-28-14

Date:

Time:

Little Deer Lake

Field ID

STORET

Date:



Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

SBIO ID: 77898

Macro ID: 10701

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: LITTLE DEER LAKE				County: Hillsborough				Date: 8/31/17			
Analyst: Curtis Mussen / J. Steers				Signature: <i>Curtis Mussen</i>				STORET: G1SW0070			
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			
SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Acer rubrum		X				Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.		X	X	X	
Azolla filiculoides (A. caroliniana)						Hrdolea quadrivalis					
Baccharis sp.						Hygrophila polysperma					
Bacopa caroliniana						*Hypericum fasciculatum					
Bacopa monnieri						*Hypericum hypericoides					
Bidens laevis						*Hypericum myrtifolium					
Bidens mitis						Ilex cassine					
Blechnum serrulatum		X	X			Ipomoea aquatica					
Boehmeria cylindrica						Ipomoea sagittata					
Brasenia schreberi						Iris pseudacorus					
Cabomba caroliniana						Itea virginica					
Casuarina equisetifolia						Juncus effusus					
Centella asiatica						*Juncus marginatus					
Cephalanthus occidentalis						*Juncus megacephalus					
Ceratophyllum demersum		X	X			Juncus repens					
Chara sp.						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana					
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta						Landoltia punctata (Spirodela punctata)					
*Commelina						Lemna sp.					
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
*Cyperus alternifolius (C. involucratus)						Limnium spongia					
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan		X				Liquidamber styraciflua					
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa					
*Cyperus odoratus		X				*Ludwigia linearis					
*Cyperus surinamensis		X				*Ludwigia octovalvis		X	X	X	
Cyrilla racemiflora						*Ludwigia peruviana		X	X	X	X
Decodon verticillatus						*Ludwigia repens					
Diodia virginiana		X		X		*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)					
*Echinochloa muricatum						Lycopus virginicus					
Echinochloa walteri						Lyonia lucida					
Eclipta prostrata (E. alba)						Magnolia virginiana					
Egeria densa						Mayaca fluviatilis					
Eichhornia crassipes						Melaleuca quinquenervia		X	X	X	
*Eleocharis baldwinii						Micranthemum glomeratum					
*Eleocharis						Micranthemum umbrosum					
Eleocharis cellulosa						Mikania scandens			X	X	
Eleocharis equisetoides						Mimosa pigra					
Eleocharis interstincta						Myrica cerifera		X	X	X	
*Eriocaulon compressum						Diodia or decodon (Coltee)		X	X	X	
*Eriocaulon decangulare						Trapa natans		X	X	X	
Eupatorium capillifolium		X	X	X		Trapa bispinosa		X	X	X	
*Fuirena						Opuntia leaf potometer		X	X	X	
Fuirena scirpoidea						Utricularia		X	X	X	
Gordonia lasianthus						Utricularia		X	X	X	

CM
signed
CM

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: LITTLE DEER LAKE, Hillsborough County

6150070

Date:

8/21/17

SPECIES					Collected? (✓)	SPECIES					Collected? (✓)
	1	4	7	10			1	4	7	10	
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum						Salvinia minima			X		
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius	X		X	X	
*Najas guadalupensis Don 14,710						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.	X					Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.		X	X	X		Scirpus cyperinus					
Nymphaea odorata		X	X	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	X	
Panicum hemitomon						Thalia geniculata					
Panicum repens	X	X	X	X		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum			X		
*Paspalum repens						Typha sp.					
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)	X	X	X	X	
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia comuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphagneticola trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata						Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)						Cesar weed (urena lobata)		X	X	X	
Proserpinaca pectinata						Lycopus virginicus			X		
*Rhexia						Protha virginiana	X			X	
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi	X										
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata	X		X								
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											

Macrophyte QC Report

STORET: G1SW0070

Visit ID: 77898

Macrophyte ID: 10701

LIMS ID: 1927008

Sample Date: 8/31/2017

Collector Name: Musson, Curtis

Identifier Name: Musson, Curtis

Macrophyte Sample Comments:

Taxa Name:		Rep 1	Rep 2	Rep 3	Rep 4
<i>Acer rubrum</i>	cm		P		
<i>Blechnum serrulatum</i>	cm		P	P	
<i>Chara</i>	cm	P			
<i>Cyperus haspan</i>	cm	P			
<i>Cyperus odoratus</i>	cm	P			
<i>Cyperus surinamensis</i>	cm	P			
<i>Diodia virginiana</i>	cm	P			P
<i>Eupatorium capillifolium</i>	cm		P	P	P
<i>Hydrocotyle</i>	cm	P		P	P
<i>Ludwigia octovalvis</i>	cm	P			
<i>Ludwigia peruviana</i>	cm	P	P	P	P
<i>Lycopus virginicus</i>	cm			P	
<i>Melaleuca quinquenervia</i>	cm		P	P	P
<i>Mikania scandens</i>	cm			P	P
<i>Myrica cerifera</i>	cm		P	P	P
<i>Najas guadalupensis</i>	cm	D	D	D	D
<i>Nitella</i>	cm	P			
<i>Nuphar</i>	cm		P	P	
<i>Nymphaea odorata</i>	cm	P	P	P	P
<i>Panicum repens</i>	cm	P	P	P	P
<i>Rhynchospora tracyi</i>	cm	P			
<i>Sacciolepis striata</i>	cm	P			P
<i>Salvinia minima</i>	cm			P	
<i>Schinus terebinthifolius</i>	cm	P		P	P
<i>Taxodium</i>	cm		P	P	P
<i>Triadenum virginicum</i>	cm			P	
<i>Urena lobata</i>	cm		P	P	P
<i>Utricularia gibba</i>	cm	P	P	P	P

9-6-17

This data has not been fully approved at this time.

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 77898 **MACROPHYTE ID:** 10701 **LATITUDE:** 28.16382222
COUNTY: Hillsborough **STORET #:** G1SW0070 **LONGITUDE:** -82.46534444
DATE: 8/31/2017 **TIME:** 1125 **SAMPLING AGENCY:** FDEP
SITE NAME: LITTLE DEER LAKE **WBID:** 1478G
FIELD ID/NAME: G1SW0070 **LAKE SIZE:** 10.8 Acre **RQ:** 2017-08-28-14

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : <u>water</u> Forest/Natural <u>30.3</u> Silviculture <u>1.4</u> Field/Pasture <u>3.1</u> Agricultural <u>6.9%</u> Residential <u>43</u> Commercial <u>7.5%</u> Industrial <u>2.8</u> Other (Specify) <u>5.2</u>		LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>4.6</u> Land Use Source & Year:
Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy ☐ Yes ☐ No		Artificially Impounded ☐ Yes ☐ No
STORMWATER INPUTS <u>16</u>	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 <u>16</u> 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
LAKESIDE ALTERATIONS <u>4</u>	Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 16	Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 10 9 8 7 6
BUFFER ZONE <u>6</u>	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 16	< 29% of shoreline with >18m buffer 10 9 8 7 <u>6</u> 5 4 3 2 1

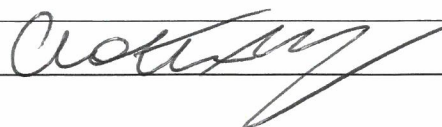
WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>577163030</u> Exp. Date: <u>06/12/18</u> 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: Top: Depth (M) <u>0.5</u> Temp. (°C) <u>30.35</u> pH (SU) <u>5.92</u> D.O. (MG/L) <u>6.94</u> D.O. Sat. (%) <u>92.9</u> Cond. (UMHO/CM) <u>133</u> Salinity (PPT) <u>0.06</u> Mid-Depth: _____ Bottom: <u>2.0</u> <u>29.82</u> <u>5.65</u> <u>5.48</u> <u>71.0</u> <u>132</u> <u>29.82</u>		Clarity: ☐ Clear ☒ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green SECCHI (M) <u>2.0</u> Total Station Depth (M) <u>2.5</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:			
Weather Conditions :			
SAMPLING TEAM: <u>Musson / STARR</u>		SIGNATURE: _____ DATE: <u>8/31/17</u>	

SBIO ID: 77898
Macro ID: 10701

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

STORET STATION NUMBER: G1SW0070	DATE (M/D/Y) 8/31/2017	LAKE NAME LITTLE DEER LAKE		FIELD ID / NAME: G1SW0070	
ECO-REGION: Southwestern Florida Flatwoods	COUNTY: Hillsborough	SAMPLING LOCATION/DESCRIPTION: LITTLE DEER LAKE Center		LAKE SIZE: 10.8 Acre	
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	Secchi(m)		Secchi(m)	
2.0	13	3	2.6	2.2	1.8
	Or VOB	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	
16					
	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	
16					
	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	
19					
	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	
✓					
	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	
6					
	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				
9.2	9				
	20	19	18	17	16
		15	14	13	12
		11	10	9	8
		7	6	5	4
		3	2	1	
TOTAL SCORE	83	COMMENTS:			

ANALYSIS DATE: 8/31/17	ANALYST: Curtis Mussen Jason Steers	SIGNATURE: 
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1478G
Little Deer

82.4666
28.1643

82.4663
28.1649

DEER LAKE RD

82.4656
28.1648

82.4651
28.1645

82.4643
28.1647

82.4640
28.1643

82.4641
28.1637

82.4654
28.1639

82.4666
28.1638

82.4662
28.1634

82.4657
28.1631

82.4651
28.1632

82.4644, 28.1631



CARTS LAKE LN
OTIS GILS, FREAC

Ra-2017-08-28-14

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 ID:

Brology #2

Project:

LVI Tampa

pH

- 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 _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

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.	Jason Skerris	8/31/17	710	24.54	8.34	8.34	100.0	53.3		P	
ICV	Jason Skerris	8/31/17	712	24.51	8.34	8.33	99.9	53.3		P	
CCV	Jason Skerris	8/31/17	1637	24.45	7.625	7.59	99.5	53.3		P	
CCV											

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.	Jason Skerris	8/31/17	714	2703D66	03/19	1000	1000	P	
ICV	Jason Skerris	8/31/17	716	2703D66	03/19	1000	1000	P	
CCV	Jason Skerris	8/31/17	1640	170614D	06/18	100	102	P	
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.	Jason Skerris	8/31/17	720	167097	10/18	7.0	6.98	13.4	P	
Calibr.	Jason Skerris	8/31/17	722	167431	11/18	4.0	3.96	176.8	P	
Calibr.	Jason Skerris	8/31/17	725	164223	07/18	10.0	10.03	-152.9	P	
ICV	Jason Skerris	8/31/17	730	164223	07/18	10.0	9.96	-154.5	P	
CCV	Jason Skerris	8/31/17	1645	170614A	06/18	4.0	3.12	202.9	F	
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mVDepth (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	Jason Skerris	8/31/17	730	0.000	0.000	AP	

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

FIELD_ID PROJEC STATION_ID COLLECTION_DATE SAMPL DEPTH COMPONENT_NAME RESULT ALIF UNITS FIELD_COMMENT

G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Depth, bottom	2.5		m	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Dissolved oxygen (DO)	6.94		mg/l	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Dissolved oxygen saturation	92.9		%	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Salinity	0.06		ppth	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Secchi disk depth	2		m	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Specific conductance	133		umho/cm	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	Temperature, water	30.35		deg C	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	1	pH	5.92	J	None	J Qualifier for pH- failed CCV post sampling
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Depth	2		m	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Dissolved oxygen (DO)	5.48		mg/l	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Dissolved oxygen saturation	71		%	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Salinity	0.06		ppth	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Specific conductance	132		umho/cm	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	Temperature, water	29.82		deg C	
G1SW0070	SMP	G1SW0070	8/31/2017 11:25	0.5	2	pH	5.65	J	None	J Qualifier for pH- failed CCV post sampling
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Depth, bottom	5.2		m	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Dissolved oxygen (DO)	6.72		mg/l	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Dissolved oxygen saturation	89.3		%	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Salinity	0.1		ppth	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Secchi disk depth	1.6		m	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Specific conductance	220		umho/cm	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	Temperature, water	29.91		deg C	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	1	pH	6.82	J	None	J Qualifier for pH- failed CCV post sampling
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	Depth	4.7		m	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	Dissolved oxygen (DO)	0.3		mg/l	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	Dissolved oxygen saturation	3.9		%	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	Salinity	0.11		ppth	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	Specific conductance	233		umho/cm	
G1SW0074	SMP	G1SW0074	8/31/2017 10:00	0.5	2	pH	5.94	J	None	J Qualifier for pH- failed CCV post sampling

enter into LIMS
9/5/2017

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last revised Apr 7 2016

FILED - STORJ

FDEP

[illegible]

Group: A	Bottle Type:	P-1L	# of Bottles: 17	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 17	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 17	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 17	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						