



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Spring Creek @ US98

Date: 10/30/2018
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0084

WBID: 3518

Latitude: 30.084354

(Decimal Degrees)

County: Taylor

ORG ID: 21FLTLHR

Longitude: 83.664309

(Decimal Degrees)

Receiving Body of Water: Fenholloway River

RQ-2018- 05-14-41

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burtchett					✓		✓		
J. Wood						✓		✓	✓

Sampling Equipment		
☒ 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 <u>Normal</u> / High / Flooded					Meter ID# 154177			Matrix: <u>Fresh</u> / Marine / DI		
Photos: <u>Yes</u> / No		Flow: No Flow / Intertidal <u>Flowing</u> / NA			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°)
EST	<u>1225</u> <u>1235</u>	<u>0.5</u>	<u>0.25</u>	<u>0.5</u>	<u>6.73</u>	<u>74.6</u>	<u>7.94</u>	<u>0.19</u>	<u>396</u>	<u>20.0</u>
CEN				<u>S</u>						

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

SBIO ID Numbers: SBIO-ID: 79019 HA-ID: 15480 RPS-ID: 9135 Macrophyte-ID: LIMS#:

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>SA819786</u>	<u>7/16/19</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-CHC / 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	☒ Ice			
Molecular	☒ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☒ Ice			
Tracers	☒ W-E8321-DI ☒ W-E8321-MS ☐	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Kit: A-b/t/m
Group: A/B

Field/WIN ID →

Location ↓



G1TLHR0084



SPRING CREEK AT US98

Signature: Jade

Date: 10/30/18

Enter Field Parameters, Verify Station ID in LIMS DMT: 20 11/9/18

(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY: <u>8034</u>		STORET STATION NUMBER: <u>GITZ HR 0084</u>	DATE (MM/DD/YY): <u>10/30/18</u>	RECEIVING BODY OF WATER: <u>Fen holloway</u>
REMARKS: <u>downstream of bridge</u>	COUNTY: <u>Taylor</u>	LOCATION: <u>Spring Crk @ US 58</u>	FIELD ID/NAME:	

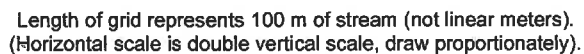
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered
Substrate Diversity <u>8</u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>2</u>	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent 15 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 <u>2</u> 1
Water Velocity <u>14</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 20 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 <u>14</u> 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>18</u> ----- Primary Score <u>42</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. 20 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 11	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 3 2 1
Secondary Habitat Components	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks.	Good sinuosity within old channelized area. Evidence of dredging or straightening in the past (>25 yrs) but mostly recovered.	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area.	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks.
Artificial Channelization <u>16</u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the woody root zone with few raw, eroded areas.	Only meets 2 of the 3 requirements for optimal bank stability.	Only meets 1 of the 3 requirements for optimal bank stability.	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the woody root zone with raw, eroded areas.
Right Bank <u>6</u> Left Bank <u>5</u>	10 9	8 7 6	5 4	3 2 1
Riparian Buffer Zone Width	Width of vegetation greater than 18 m	Width of vegetation >12 to 18m	Width of vegetation 6 to 12 m. human activities close to system	Less than 6 m of buffer zone due to intensive human activities
Right Bank <u>10</u> Left Bank <u>10</u>	10 9	8 7 6	5 4	3 2 1
Riparian Zone Vegetation Quality	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance.	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed.	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious.	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).
Right Bank <u>10</u> Left Bank <u>10</u> ----- Secondary Score <u>67</u>	10 9	8 7 6	5 4	3 2 1

109

TOTAL SCORE

Date: <u>10/30/18</u>	Analyst: <u>J. Bortchett</u>	Signature: <u>Jade</u>
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Left
Bank



10 - S
4.5 - L
1.5 - V

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID _____ ORG ID _____ LATITUDE _____
COUNTY Taylor STORET # GITHR0084 LONGITUDE _____
DATE 10/30/18 TIME 1236 SAMPLING AGENCY 8034
SITE NAME Spring Lake US98
FIELD ID/NAME _____ RECEIVING BODY OF WATER Ferholkway

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):								Landscape Development Intensity Index (LDI)	
Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)		
<u>30</u>			<u>60</u>	<u>5</u>	<u>5</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								<u>4</u> m wide	
Width of Riparian Vegetation (m) on Each Buffer Side				Hydrologic Modification Score (per FT 3101)					
Left Bank: <u>718</u> Right Bank: <u>718</u>									
High Water Mark: <u>0.3</u> + <u>0.5</u> = <u>0.8</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): _____		Smothering of Substrates Sand Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Silt Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Algae Smothering: None ☒ Slight ☐ Moderate ☐ Severe ☐	
SUBSTRATE TYPE Assessment Tool: ☐ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon % Coverage INVERT # Times Sampled PERI # Times Sampled			WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M)		
Woody Debris (Snags) <u>1.25</u>			Top: <u>0.25</u> <u>20.0</u> <u>7.94</u> <u>6.73</u> <u>74.0</u> <u>396</u> <u>6.19</u> <u>0.5</u>		
Undercut Banks / Roots			Mid: _____		
Leaf Packs or Mat <u>0.56</u>			Bottom: _____		
Aquatic Vegetation <u>0.19</u>			Meter ID: <u>154177</u>		
Rock or Shell Rubble..			Water Odors: Normal ☐ Petroleum ☐ Sewage ☒ Chemical ☐ Other ☐		
Sand.....			Water Sample Taken? ☒ Yes ☐ No		
Mud / Muck / Silt <u>98</u>			Sample Preserved? ☒ Yes ☐ No		
Other			Lot Number <u>516197090</u> Exp: <u>7/6/14</u>		
Other			Algae Sample Taken? ☐ Yes ☒ No		
			Sample Preserved? ☐ Yes ☐ No		
			Lot Number: _____ Exp: _____		
ABUNDANCE Not Obs. Rare Common Abundant			Water Surface Oils Normal ☐ Sheen ☒ Globs ☐ Slick ☐ Other ☐		
Periphyton: ☒ ☐ ☐ ☐			Color Tannic ☒ Green (Algae) ☐		
Fish: ☐ ☐ ☒ ☐			Clear ☐ Other (Specify) ☐		
Aquatic Plants: ☐ ☒ ☐ ☐			Clarity Clear ☐ Slightly Turbid ☒		
Iron/Sulfur Bacteria: ☐ ☐ ☒ ☐			Turbid ☐ Opaque ☐		
			System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐		
			AMBIENT FIELD CONDITIONS / NOTES: <u>Sampled downstream of bridge.</u> <u>H₂O odor effected by deer carcass on shoreline.</u> ☒ The antecedent hydrologic conditions have been met to my best knowledge.		

SAMPLING TEAM

J. Burkett, J. Woods

SIGNATURE:

Gave

DATE:

10/30/18

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: <u>Spring Creek USGS</u>					County: <u>Taylor</u>		Date: <u>10/30/14</u>		Investigators: <u>J. Burtchett, J. Wood</u>	
									STORET Station Number: <u>G1TLHRO084</u>	

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	
0	1	N			60	1	N			
	2	X				2	N			
	3	X				3	N			
	4	X				4	X			
	5			07		5				87
	6					6				
	7					7				
	8					8				
	9					9				
10	1	N			70	1	N			
	2	N				2	N			
	3	N				3	N			
	4	X				4	X			
	5			53		5				79
	6					6				
	7					7				
	8					8				
	9					9				
20	1	N			80	1	N			
	2	N				2	N			
	3	N				3	N			
	4	X				4	X			
	5			75		5				68
	6					6				
	7					7				
	8					8				
	9					9				
30	1	N			90	1	X			
	2	N				2	N			
	3	N				3	N			
	4	X				4	N			
	5			57		5				82
	6					6				
	7					7				
	8					8				
	9					9				
40	1	N			100	1	N			
	2	X				2	N			
	3	N				3	N			
	4					4	X			
	5			76		5				89
	6					6				
	7					7				
	8					8				
	9					9				
50	1	N				1	N			
	2	N				2	N			
	3	X				3	N			
	4					4	X			
	5			92		5				
	6					6				
	7					7				
	8					8				
	9					9				

Secchi depth	<u>65</u>
Estimated?	

# points ranked 4-6	
total points assessed	
% points ranked 4-6	

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	
Habitat Assessment	
SCI/Biorecon	
Water sample	
RQ-	

Algal Thickness Rank	
N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10 cm
6	>10 cm

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Spring CK

Date: 10/20/11 County: Taylor

Storet Number. GTL H20024

Analyst: T. Wood

Comments: $< 2m$

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

Space for additional taxa names:											Meter Mark											Meter Mark																					
HERBACEOUS SPECIES											0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)	HERBACEOUS SPECIES											0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides																							Micranthemum glomeratum																				
Bacopa caroliniana																							Micranthemum umbrosum																				
Bacopa monneri																							Myriophyllum aquaticum																				
Bidens mitis																							Najas guadelupensis																				
Boehmeria cylindrica																							Nuphar luteum																				
Centella asiatica																							Orontium aquaticum																				
Ceratophyllum demersum																							Panicum hemitomon																				
Chara																							Panicum repens																				
Cicuta maculata																							Panicum rigidulum																				
Cladium jamaicense																							Pistia stratioides																				
Colocasia esculenta																							Polygonum glabra																				
Commelina diffusa																							Polygonum hydropiperoides																				
Commelina virginica																							Polygonum punctatum																				
Crinum americanum																							Pontedaria cordata																				
Diodia virginiana																							Potamogeton illinoensis																				
Eichhornia crassipes																							Ruellia simplex																				
Eleocharis (wispy viviparous)																							Sacciolepis striata																				
Hydrilla verticillata																							Sagittaria kurziana																				
Hydrocotyle																							Sagittaria lancifolia																				
Hygrophila polysperma																							Sagittaria latifolia																				
Hymenocallis																							Salvinia minima																				
Lachnanthes caroliniana																							Samolus parviflora																				
Landoltia punctata																							Saururus cernuus																				
Lemna																							Sparganium americanum																				
Limnophila sessiflora																							Typha																				
Ludwigia leptocarpa																							Vallisneria americana																				
Ludwigia palustris																							Zizania aquatica																				
Ludwigia peruviana																							Najas floridanum																				
Ludwigia repens																																											

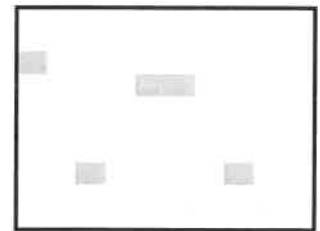
FDEP FORM FD 9000-32 LINEAR VEGETATION SURVEY FIELD SHEET

Percent Cover Categories for macrophytes in a 10 m segment of a stream 5 m wide

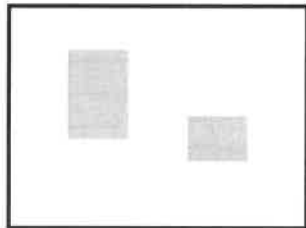
5% Macrophyte Coverage



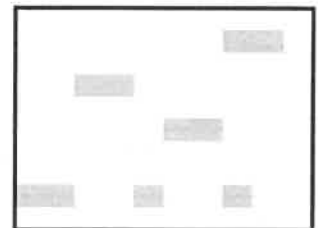
5% Macrophyte Coverage



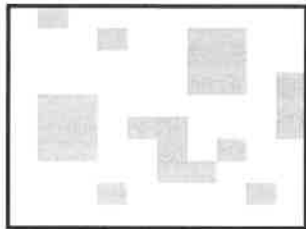
10% Macrophyte Coverage



10% Macrophyte Coverage



25% Macrophyte Coverage



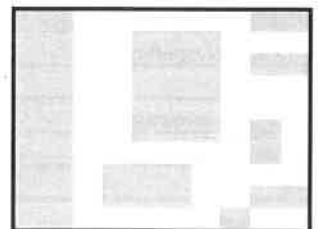
25% Macrophyte Coverage



50% Macrophyte Coverage



50% Macrophyte Coverage



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 name.

Meter ID: 154157 RQ- Project: SMP 2018

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 9/18

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. Burtchett	10/30/18	755	26.0	9.09	9.11	100.1	-	0.99	P/F	D/F	760.8
ICV	↓	↓	805	18.8	9.33	9.26	99.2	-	-	P/F	L/F	761.0
CCV	↓	↓	1511	23.6		8.42	99.2	-	-	P/F	L/F	759.9
CCV			1510							P/F	L/F	

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. Burtchett	10/30/18	757	180621C	07/19	1000	1000	P/F	D/F	
ICV	↓	↓	807	180548	05/20	100	101	P/F	L/F	
CCV	↓	↓	1512	180621B	07/19	50000	51287	P/F	L/F	
CCV								P/F	L/F	

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	temp
Calibr.	J. Burtchett	10/30/18	759	180621E	01/20	7.01	7.02	-290	P/F	D/F	19.5
Calibr.		↓	801	180503	5/19	4.00	4.00	149.9	P/F	D/F	19.0
Calibr.	↓	↓	803	180403D	10/19	10.08	10.08	-184.8	P/F	D/F	18.7
ICV	↓	↓	809	180503D	10/19	10.08	10.05	-188.0	P/F	D/F	19.1
CCV	↓	↓	1514	180503B	05/19	4.01	3.94	150.1	P/F	L/F	19.7
CCV									P/F	L/F	

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 , slope from 4 to 7 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth verification 9/18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	J. Burtchett	10/30/18	753	0.00	0.00	P/F	D/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Collected By:

Field Report Prepared By:

Sampling Agency:

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		↓		Date 12/30/18 Time 12:25		Date		(See pg 2)	
WIN/S		↓		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		↓		Temp (C) 20.0		ft Sp. Conductance (umho/cm) 396			
		↓		Salinity (ppt) 0.19		ft Sp. Conductance (umho/cm) 396			
		↓		pH 7.94		ft Sp. Conductance (umho/cm) 396			
		↓		Comments					
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #		↓		Date		Date			
Latitude		↓		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
		↓		Temp (C)		ft Sp. Conductance (umho/cm)			
		↓		Salinity (ppt)		ft Sp. Conductance (umho/cm)			
		↓		pH		ft Sp. Conductance (umho/cm)			
		↓		Comments					
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #		↓		Date		Date			
Latitude		↓		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
		↓		Temp (C)		ft Sp. Conductance (umho/cm)			
		↓		Salinity (ppt)		ft Sp. Conductance (umho/cm)			
		↓		pH		ft Sp. Conductance (umho/cm)			
		↓		Comments					
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #		↓		Date		Date			
Latitude		↓		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
		↓		Temp (C)		ft Sp. Conductance (umho/cm)			
		↓		Salinity (ppt)		ft Sp. Conductance (umho/cm)			
		↓		pH		ft Sp. Conductance (umho/cm)			
		↓		Comments					
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #		↓		Date		Date			
Latitude		↓		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
		↓		Temp (C)		ft Sp. Conductance (umho/cm)			
		↓		Salinity (ppt)		ft Sp. Conductance (umho/cm)			
		↓		pH		ft Sp. Conductance (umho/cm)			
		↓		Comments					

Relinquished By: JB, JW	Date/Time: 12/30/18 2:15:40	Shipping Method: (70)	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 12/30/18 15:43
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 15	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 15	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1