



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Kennedy Creek @ SR379

Date: 04/23/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0045

WBID: 1137

Latitude: 30.1101

County: Liberty

ORG ID: 21FLTLHR

Longitude: 85.05932

Receiving Body of Water: Apalachicola River

RQ: 2019-02-18-31
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
J. Burtchett P. Blais					✓	✓	✓	✓	✓	☒ 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# 134177					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes <u>No</u>		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	1100	1.6	0.3	0.5	7.89	82.6	4.34	0.01	23.5	17.6				
CEN			1.1		7.89	82.5	4.40	0.01	23.6	17.5				
Biological Samples Collected: None <u>HA</u> <u>SCI</u> <u>RPS</u> <u>Algae-ID</u> <u>LVS</u> LVI Other:														
SBIO ID Numbers: SBIO-ID: 79374 HA-ID: _____ RPS-ID: 9305 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 ☒ H ₂ SO ₄		8344070	12/14/19	☐ <2			
Metals		☒ W-ICPMS ☐ W-ICP					☒ Ice ☐ HNO ₃		6314850	12/10/19	☐ <2			
Filtered Nutrients		☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☒ Ice							
Chlorophyll		☒ CHL-SUITE-W					☒ Ice							
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-C-IC / W-COLOR / W-SO4-IC / W-TDS					☒ Ice							
Physical/Aggregate (Marine)		☐ Alkalinity / W-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD					☐ Ice							
Tracers		☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice							
Pesticides		☒ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☒ W-PCL-SQ-R ☒ WE8321-MS ☐ W-CARB-AA					☒ Ice							
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice							
Notes:														
Place Label Here														
Signature: <u>[Signature]</u> Date: 04/23/19														

LIMS EVENT ID: TLH-ROC-2019-04-23-01

WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: JB 4/26/19

QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets JB 4/26/19 (Initials/Date)

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>G2TLH20045</u>	DATE (MM/DD/YY): <u>04/23/19</u>	RECEIVING BODY OF WATER: <u>Appalachian River</u>
REMARKS:	COUNTY: <u>Liberty</u>	LOCATION: <u>Kenney Gk@SR379</u>	FIELD ID/NAME: <u>G2TLH20045</u>	

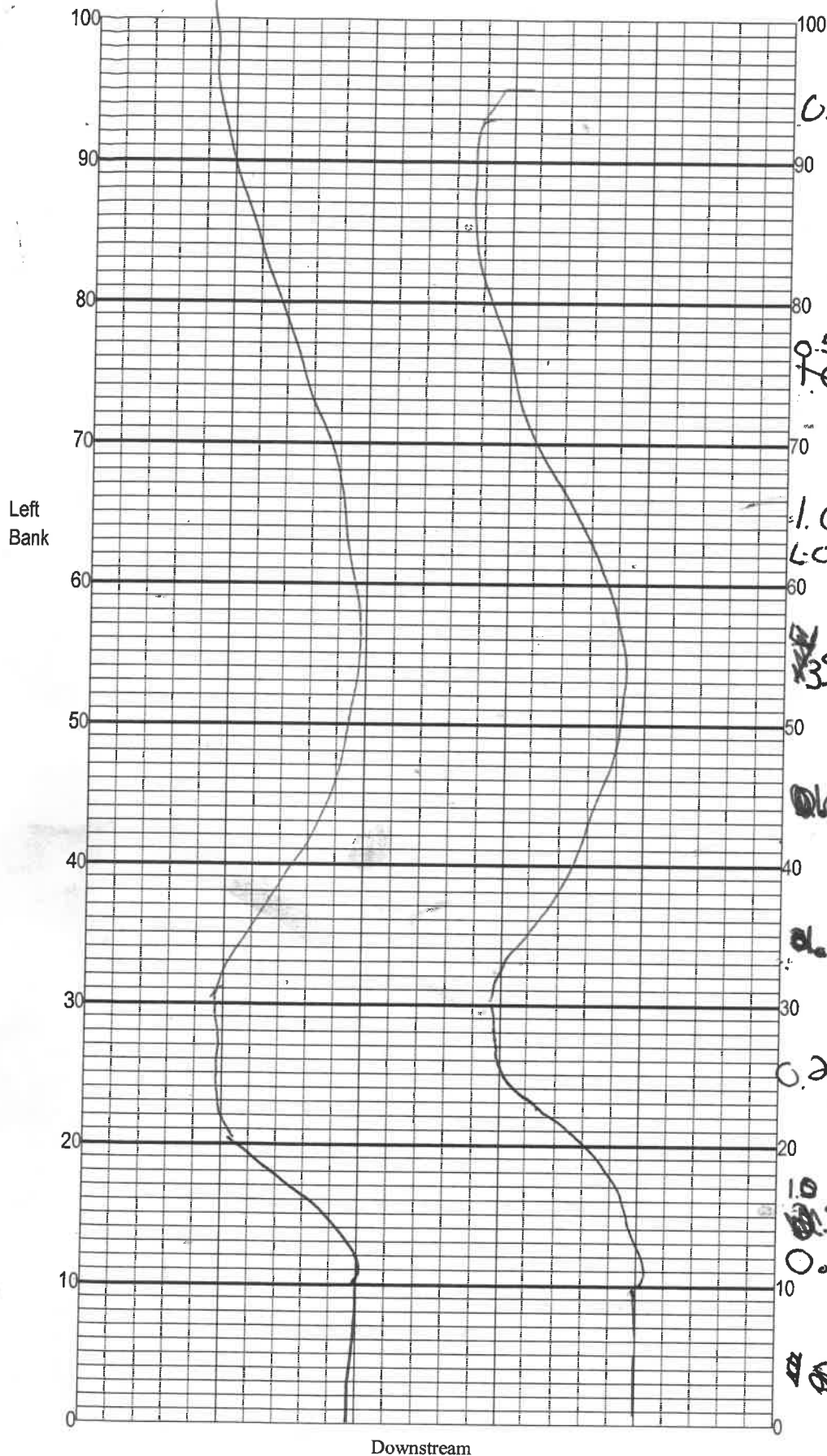
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock]	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh 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>3</u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>4</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 <u>4</u> 3 2 1
Water Velocity <u>15</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 <u>15</u> 14 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>12</u> ----- Primary Score <u>34</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>20</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>9</u> Left Bank <u>9</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>74</u>	10 9	8 7 6	5 4	3 2 1

112

TOTAL SCORE

Date: <u>4/23/19</u>	Analyst: <u>Burchett, Blair</u>	Signature: <u>[Signature]</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: Kennedy Crk
 Date: 04/23/19
 Sampler: Burchett, Bk is

100 m: Latitude _____
 Longitude _____
 0 m: Latitude _____
 Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☐ S	Snags	3.33
☐ R	Roots/undercut banks	0.25
☐ L	Leaf Packs (or mats)	0.25 0.08
☒	Aquatic Macrophytes	_____
☐ h	rocks	_____
☐	silt/muck	96.17
☐	Pools	total # observed = _____ # range expected = _____

Average width 3 m
 Average depth 1.6 m

Velocity measured at 100 meter mark. 0.25

WQ & chemistry taken at 0 meter mark.

Habitat Smothering:
 Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
 Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
 Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:

0.5
 1.05
 0.25
 0.35
 0.105
 0.55
 0.25
 1.0
 0.5R
 1.5
 0.5R

0.75R 0.25
 1R - S = 3.33
 0.25L = 0.08

Length of grid represents 100 m of stream (not linear meters).
 (Horizontal scale is double vertical scale, draw proportionately).

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

SAMPLE ID _____ ORG ID 21FLTLHA LATITUDE _____
 COUNTY Liberty STORET # G2TLHR0045 LONGITUDE _____
 DATE 04/23/19 TIME 1115 SAMPLING AGENCY 8034
 SITE NAME Leahy Creek @ 8379
 FIELD ID/NAME G2TLHR0045 RECEIVING BODY OF WATER Appalachian River

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>95</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>3</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>0.2</u> + <u>1.6</u> = <u>1.8</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			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>0.3</u>	<u>17.6</u>	<u>4.34</u>	<u>7.89</u>	<u>82.6</u>	<u>238</u>	<u>17.6</u>	<u>0.5</u>	
Undercut Banks / Roots									<u>6.01</u>	☐ VOB	
Leaf Packs or Mat			<u>0.25</u>	<u>1</u>							
Aquatic Vegetation			<u>608</u>	<u>1</u>							
Rock or Shell Rubble..											
Sand.....											
Mud / Muck / Silt			<u>96.17</u>	<u>8</u>							
Other											
Other											
ABUNDANCE Not Obs. Rare Common Abundant			Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐								
Periphyton: ☒ ☐ ☐ ☐			Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐								
Fish: ☐ ☐ ☒ ☐			Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: _____ Exp: _____								
Aquatic Plants: ☒ ☐ ☐ ☐			Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot Number: _____ Exp: _____								
Iron/Sulfur Bacteria: ☒ ☐ ☐ ☐			Color Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) ☐								
			Clarity Clear ☐ Slightly Turbid ☒ Turbid ☐ Opaque ☐								
			System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐								
			AMBIENT FIELD CONDITIONS / NOTES: ☐ The antecedent hydrologic conditions have been met to my best knowledge.								
SAMPLING TEAM <u>Burchett, Blair</u>			SIGNATURE: <u>Gabe B</u>					DATE: <u>04/23</u>			

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: <u>Kennedy Crk</u>					County: <u>Liberty</u>		Date: <u>04/23/19</u>		Investigators: <u>Burkett, Woods</u>	
									STORET Station Number: <u>G2TLH20045</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	X			60	1	N	✓		
	2	N				2				
	3					3				
	4					4				
	5			92		5				77
	6					6				
	7					7				
	8					8				
	9					9			✓	
10	1	X			70	1	X	X		
	2	N				2	N			
	3					3				
	4					4				
	5			74		5				82
	6					6				
	7					7				
	8					8				
	9					9			X	
20	1	X			80	1	N	✓		
	2	N				2				
	3					3				
	4					4				
	5			95		5				95
	6					6				
	7					7				
	8					8				
	9					9			✓	
30	1	X			90	1	X			
	2	N				2	N			
	3					3				
	4					4				
	5			91		5				86
	6					6				
	7					7				
	8					8				
	9					9			X	
40	1	X			100	1	N			
	2	N				2				
	3					3				
	4					4				
	5			83		5				94
	6					6				
	7					7				
	8					8				
	9					9				
50	1	X	✓		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 densimeter 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%.					
	2									
	3									
	4									
	5			84						
	6									
	7									
	8									
	9			✓						

Secchi depth	6.5
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

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

Waterbody: Lenny Creek

Date: 04/23/19

County: Liberty

Storet Number: 52TLH R0043

Analyst: Burkhardt

Signature: Kyle P

Comments: $22m^2$

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1m² 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.

	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)	
<i>Alternanthera philoxeroides</i>												<i>Micranthemum glomeratum</i>												
<i>Bacopa caroliniana</i>												<i>Micranthemum umbrosum</i>												
<i>Bacopa monneri</i>												<i>Myriophyllum aquaticum</i>												
<i>Bidens mitis</i>												<i>Najas guadelupensis</i>												
<i>Boehmeria cylindrica</i>												<i>Nuphar luteum</i>												
<i>Centella asiatica</i>												<i>Orontium aquaticum</i>												
<i>Ceratophyllum demersum</i>												<i>Panicum hemitomon</i>												
<i>Chara</i>												<i>Panicum repens</i>												
<i>Cicuta maculata</i>												<i>Panicum rigidulum</i>												
<i>Cladium jamaicense</i>												<i>Pistia stratioides</i>												
<i>Colocasia esculenta</i>												<i>Polygonum glabra</i>												
<i>Commelina diffusa</i>												<i>Polygonum hydropiperoides</i>												
<i>Commelina virginica</i>												<i>Polygonum punctatum</i>												
<i>Crinum americanum</i>												<i>Pontedaria cordata</i>												
<i>Diodia virginiana</i>												<i>Potamogeton illinoensis</i>												
<i>Eichhornia crassipes</i>												<i>Ruellia simplex</i>												
<i>Eleocharis (wispy viviparous)</i>												<i>Sacciolepis striata</i>												
<i>Hydrilla verticillata</i>												<i>Sagittaria kurziana</i>												
<i>Hydrocotyle</i>												<i>Sagittaria lancifolia</i>												
<i>Hygrophila polysperma</i>												<i>Sagittaria latifolia</i>												
<i>Hymenocallis</i>												<i>Salvinia minima</i>												
<i>Lachnanthes caroliniana</i>												<i>Samolus parviflora</i>												
<i>Landoltia punctata</i>												<i>Saururus cernuus</i>												
<i>Lemna</i>												<i>Sparganium americanum</i>												
<i>Limnophila sessiflora</i>												<i>Typha</i>												
<i>Ludwigia leptocarpa</i>												<i>Vallisneria americana</i>												
<i>Ludwigia palustris</i>												<i>Zizania aquatica</i>												
<i>Ludwigia peruviana</i>																								
<i>Ludwigia repens</i>																								
<i>Luziola fluitans</i>																								
				</																				

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

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

Meter ID: 154173

RQ:

Project: SMP 2019

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 4/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/23/19	800	19.5	760.1	9.2	9.19	100.0	-	0.99	P/F	B/F
ICV	"	✓	810	19.0	766.2	9.3	9.28	100.0	-	-	P/F	B/F
CCV		✓	1445	22.2	759.0	8.7	8.77	101.0	-	-	P/F	B/F
CCV											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 (Pro DSS 0.75 to 1.50); 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/23/19	802	180621C	07/19	1000	1000	P/F	B/F
ICV	"	✓	812	1805F01	05/20	100	102	P/F	B/F
CCV		✓	1447	180927D	10/19	500	504	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/23/19	804	180403C	10/19	7.02	18.8	7.03	-56.2	P/F	B/F
Calibr.	"	✓	806	180621D	07/19	4.00	19.0	4.00	127.5	P/F	B/F
Calibr.	"	✓	808	180621F	01/20	10.06	18.8	10.07	214.7	B/F	B/F
ICV	"	✓	814	180621F	01/20	10.05	19.5	10.07	217.3	B/F	B/F
CCV		✓	1449	180621D	07/19	4.00	19.4	4.09	121.0	P/F	B/F
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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 4/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

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	4/23/19	810	0.000	0.000	P/F	B/F

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

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: P. B. Burtchett

Field Report Prepared By: J. B. Burtchett

Sampling Agency: 8034

Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		G2TLHR0045		Date 4/23/19 Time 1106		Diss. Oxygen 7.89		mg/L Total Res. Chlorine		(See pg 2)	
WIN/STORE #		KENNEDY CREEK @ SR379		Matrix (type, e.g., Salt, Fresh, etc) Fresh		pH 4.34		Sample Depth 0.3		Sp. Conductance (umho/cm) 2338	
Latitude		Longitude		Temp (C) 17.6		Salinity (ppt) 6.01		ft m		A	
Location		Kennedy Creek @ SR379		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		G2TLHR0045		Date 4/23/19 Time 1115		Diss. Oxygen		mg/L Total Res. Chlorine		B	
WIN/STORE #		G2TLHR0045		Matrix (type, e.g., Salt, Fresh, etc) Fresh		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		Longitude		Temp (C)		Salinity (ppt)		ft m			
Location		Comments SL1		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORE #				Matrix (type, e.g., Salt, Fresh, etc)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		Longitude		Temp (C)		Salinity (ppt)		ft m			
Location		Comments		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORE #				Matrix (type, e.g., Salt, Fresh, etc)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		Longitude		Temp (C)		Salinity (ppt)		ft m			
Location		Comments		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORE #				Matrix (type, e.g., Salt, Fresh, etc)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		Longitude		Temp (C)		Salinity (ppt)		ft m			
Location		Comments		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORE #				Matrix (type, e.g., Salt, Fresh, etc)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		Longitude		Temp (C)		Salinity (ppt)		ft m			

Relinquished By: JB, PB	Date/Time: 4/23/19 1439	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 4/23/19 1440
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Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT	126 ml				
Group: A	Bottle Type:	BG-500ML	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				834670	
	W-NO2NO3				12/10/19	
	W-SA-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: A	Bottle Type:	BG-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-PSNP-TQ					
Group: B	Bottle Type:	PJ-2L	# of Bottles: 14	Preservative:	Formalin	Enter Number of Bottles Sent to Lab
	MI-FW-QLDC					