FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Bridge Creek At Sr 71 **Date:** 6/19/19 (mm/dd/yyyy)

WIN/ Field ID: G2WA0017 **WBID:** 320 **Latitude:** 30.72960 (Decimal Degrees)

County: Jackson **ORG ID:** 21FLWQA **Longitude:** -85.18333 (Decimal Degrees)

Receiving Body of Water: Chipola River **RQ-** 2019-06-17-13

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Rachel Dragon		✓	✓		
Blake Spencer		✓	✓		
Avril Wood-McGrath	✓	✓	✓	✓	✓

Sampling Equipment
- Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☐ Syringe
- ☐ Dipper ☐ Other
- Depth Measured with METER
- Equipment ID

Collection Method
- Wading ☐ Canoe/Kayak
- ☐ From Shore ☐ Electric Motor
- ☐ Other ☐ Gasoline Motor

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

Meter ID# 16T104543 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	11:39	0.3	0.15	WOB	6.49	78.6	7.17	0.07	154.0	25.0
CEN										

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

SBIO ID Numbers: SBIO-ID: 79948 HA-ID: 16134 RPS-ID: 9395 Macrophyte-ID: <2m2 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_2SO_4	SA8344070	12/10/19	<2
Metals	W-ICPMS W-ICP	Ice HNO_3	NA [illegible]	4/9/20	<2
Filtered Nutrients	W-PO4-F Field Filtered 0.45 µm Filter	Ice	AWM		
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-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 + W-E8321-21 AWM	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			

Contains: 1:1 HNO3 Lot No: NA9099030 Expires: 04/09/20 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4 Expires: 12/10/19 See Safety Data Sheet (SDS)

Notes:
SCI

WIN ID / FILED ID → G2WA0017

Location Bridge Creek At Sr 71

Signature: Date:

LIMS EVENT ID: WAS-SRT-2019-06-19-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: 7/18/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** AWM 8/14/19 (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** DT / 9-12-19 (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Entered by: [illegible] 7/12/19
QC'd by: AUM 8/14/19

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

SBIO: 79948 HA: 16134

SAMPLING AGENCY:		STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
DEP		G2WA0017	6/19/19	Chipola River
REMARKS:	COUNTY: Jackson	LOCATION: Bridge Creek At Sr 71		FIELD ID/NAME: G2WA0017

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 10	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed (10) 9 8 7 6	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 3 2 1
Substrate Availability 10	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 2 1
Water Velocity 20	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 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 11 Primary Score 51	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 **Artificial Channelization** 20	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks. (20) 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 2 1
Bank Stability Right Bank 89 Left Bank 10	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. 10 9	Only meets 2 of the 3 requirements for optimal bank stability. 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. 3 2 1
Riparian Buffer Zone Width Right Bank 5 Left Bank 10	Width of vegetation greater than 18 m (10) 9	Width of vegetation >12 to 18m 8 7 6	Width of vegetation 6 to 12 m. human activities close to system (5) 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank 5 Left Bank 10 Secondary Score 69	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. (10) 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. (5) 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

120 **TOTAL SCORE**

Date: 6/19/19	Analyst: Rachael Dragon, Blake Spicer	Signature:

WIN ID / FILED ID → G2WA0017

62-160.800, F.A.C.

Location: Bridge Creek At Sr 71

Revision Date: March 1, 2014

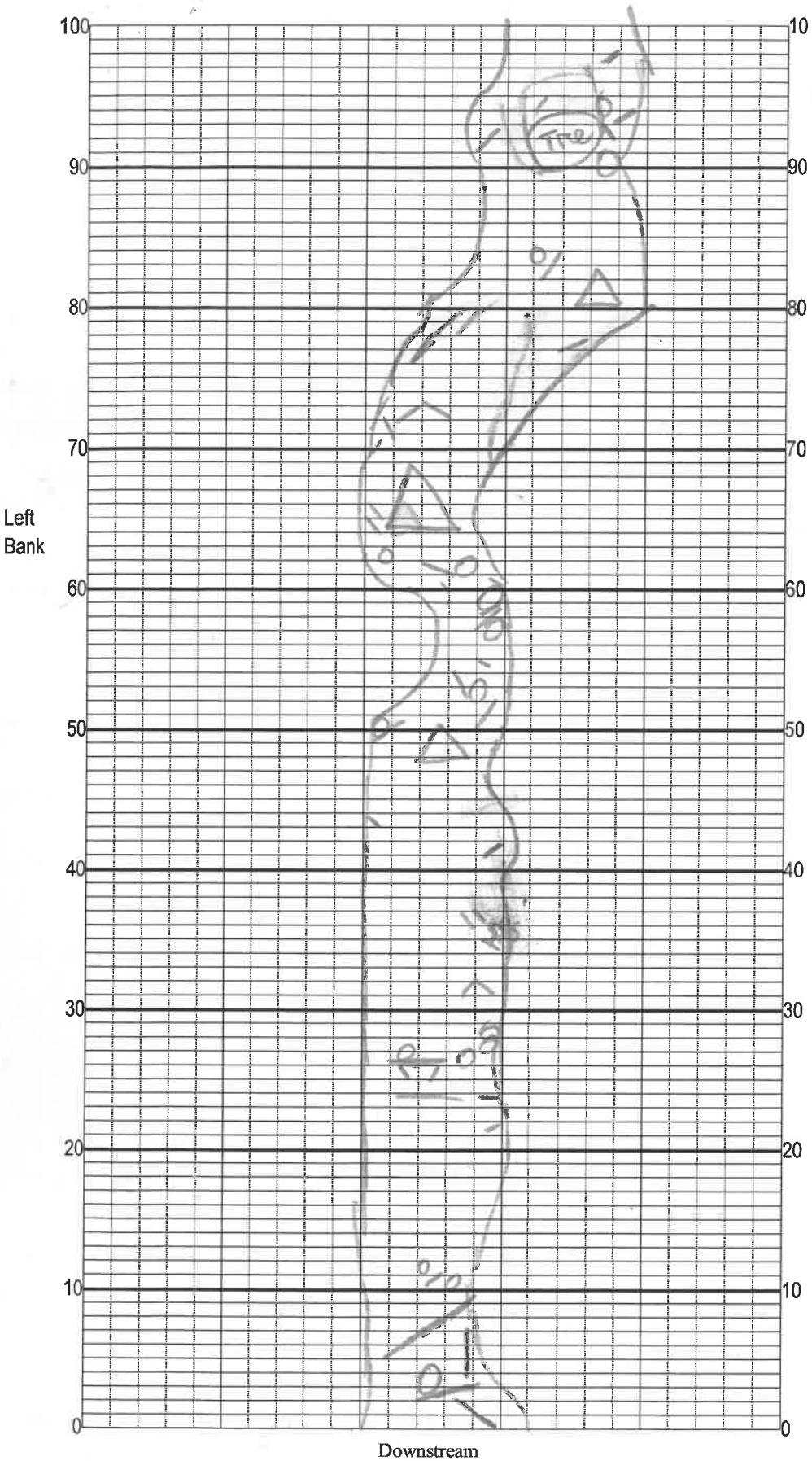
DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet

WIN ID / FILED ID → G2WA0017

Location: Bridge Creek At Sr 71

Date: 6/19/19

Sampler: Rachael Dragon, Blake Spra



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

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	

Substrates: Code key, draw proportionate habitat abundance.	%
Snags	8.4
Roots/undercut banks	1.2
Leaf Packs (or mats)	3.0
Aquatic Macrophytes	
Pools — total # observed = ____ ; # range expected = ____	

Average width	2.5 m
Average depth	0.25 m
Velocity measured at	10 meter mark.
WQ & chemistry taken at	50 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:

velocity 0.33 m/s

SBIO: 79948 ✓ RPS: 9395 ✓

Entered by: [illegible] 7/18/19
QC'd by: AMM 8/14/19
Authorized: CM 8/14/19

WIN ID / FILED ID → G2WA0017 ✓

Location: Bridge Creek At Sr 71

9000-25 Rapid Periphyton Survey Field Sheet

County: Jackson | Date: 6/19/19 ✓ | Investigators: Blake, Spencer

STORET Station Number: G2WA0017

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		96 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
10 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		94 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
20 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		88 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
30 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		56 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
40 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		96 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
50 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		96 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		21 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
70 ✓	1	N	N	
	2	N		
	3	X	X	
	4	X	X	
	5	X	X	3 ✓
	6	X	X	
	7	X	X	
	8	N	N	
	9	N	N	
80 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		96 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
90 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		45 ✓
	6	N		
	7	N		
	8	N	✓	
	9	N		
100 ✓	1	N	N	
	2	N		
	3	N		
	4	N		
	5	N		52 ✓
	6	N		
	7	N		
	8	N		
	9	N	✓	

Secchi depth	0.3 ✓
Estimated?	NO

# points ranked 4-6	0
total points assessed	93
% points ranked 4-6	0

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	✓
Habitat Assessment	✓
SCI/Biorecon	✓
Water sample	✓
RQ- 2019-08-17-13	

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%.

SBIO ID: 7948

Qc'd by AWM 8/14/19

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

Waterbody: Bridge Creek	Date: 6/19/19	County: Jackson	Storet Number: G2WA0017
Analyst: Blake Spencer		Signature:	
Comments: ~2m² ✓			

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.

HERBACEOUS SPECIES	Meter Mark 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											
Bacopa caroliniana											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
If no Dominant or Co-Dominant were selected, indicate with "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage											
>10 and ≤25% Macrophyte Coverage											
>25 and ≤50% Macrophyte Coverage											
> 50% Macrophyte Coverage											

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Micranthemum glomeratum											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontedaria cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											

WIN ID / FILED ID → G2WA0017 ✓

62-160.800, F.A.C.

Location: Bridge Creek At Sr 71

Revision Date:January 2017

Qc'd by: AWM 8/14/19

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

Entered by: BS 7/8/19

SAMPLE ID 79948 ✓ ORG ID 21FLWQA ✓ LATITUDE 30.72960

COUNTY Jackson STORET # G2WA0017 ✓ LONGITUDE -85.18333

DATE 6/19/19 ✓ TIME 1139 ✓ SAMPLING AGENCY DEP

SITE NAME Bridge Creek At Sr 71

FIELD ID/NAME G2WA0017 ✓ RECEIVING BODY OF WATER Chipola River

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)
38	34	12	4	4	4	5	4

Landscape Development Intensity Index (LDI): 2.36

Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy

Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side: Left Bank : >18 Right Bank : 8

Hydrologic Modification Score (per FT 3101):

Typical Width (m) Depth (m)/Velocity (m/sec) Transect: 2.5 m wide

m/s	0.33 m/s	m/s
m deep	0.2 m deep	m deep

High Water Mark: 0.7 (m) + 0.3 (above present water level) = 1.0 (present depth) (above bed)

Artificially Impounded ☐ Yes ☒ No

Artificially Channelized : ☒ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ Recent, severe

Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☐ 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

	None	Slight	Moderate	Severe
Sand Smothering:	☐	☐	☒	☐
Silt Smothering:	☐	☒	☐	☐
Algae Smothering:	☒	☐	☐	☐

SUBSTRATE TYPE

Assessment Tool: ☒ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	8	IIII	
Undercut Banks / Roots	1.2	III	
Leaf Packs or Mat	3.0	IIII	
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....		III	
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top :	0.15	26.0	7.17	6.49	78.6	154.0	0.07	
Mid:								☒ VOB
Bottom								TOTAL DEPTH
Meter ID:								0.3

Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☒ Yes ☐ No

Sample Preserved? ☒ Yes ☐ No

Lot Number: See Field Sheet Exp:

Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐

Algae Sample Taken? ☐ Yes ☒ No

Sample Preserved? ☐ Yes ☐ No

Lot Number: — Exp: —

Clarity Clear ☐ Slightly Turbid ☒ Turbid ☐ Opaque ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☐	☒	☐	☐
Fish:	☐	☐	☒	☐
Aquatic Plants:	☒	☐	☐	☐
Iron/Sulfur Bacteria:	☒	☐	☐	☐

System Type: Stream ☐ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐

AMBIENT FIELD CONDITIONS / NOTES:

☒ The antecedent hydrologic conditions h

WIN ID / FILED ID → G2WA0017

Location: Bridge Creek At Sr 71

SAMPLING TEAM: Blake Spencer, Avril Wood-McGrath, Rachael Dragon

SIGNATURE :

DATE : 6/19/19

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: 155074 RQ- 2019-06-17-13 Project: SMP

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 _____

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.	Ben Harden	06/19/19	0720	20.2	9.0	755.2	99.4	9.4	1.065	(P) / F	(L) / F
ICV	"	"	0721	19.9	9.0	755.2	99.6			(P) / F	(L) / F
CCV	"	"	1434	20.5	8.9	755.2	100.2			(P) / F	(L) / 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; 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	06/19/19	0723	190405A	04/20	1000	1000	(P) / F	(L) / F
ICV	"	06/19/19	0724	2505884	07/20	100	99.8	(P) / F	(L) / F
CCV	"	"	1435	190405A	04/20	1000	1001	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Ben Harden	06/19/19	0725	KB0621E	01/20	7.02	7.02	-34.8	(P) / F	(L) / F
Calibr.	"	"	0726	190405B	10/20	4.00	4.00	143.7	(P) / F	(L) / F
Calibr.	"	"	0728	KB0621F	01/20	10.06	10.06	-198.8	(P) / F	(L) / F
ICV	"	"	0729	"	"	10.06	10.06	-198.7	(P) / F	(L) / F
CCV	"	"	1437	190405B	10/20	4.00	4.00	143.7	(P) / F	(L) / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 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 _____

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	Ben Harden	06/19/19	0719	0.272	0.272	(P) / F	(L) / F

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

COMMENTS:

Request Number: RQ-2019-06-17-13

SCI 8

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Rachael Dragon

Collected By: April Woods - McGrath, Blake Spencer

Sampling Agency: FDEP

Location WIN ID / FILED ID → G2WA0017

Field ID Location: Bridge Creek At Sr 71

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6/19/19 Time 1139 (Eastern / Central) | Composite end Date — Time — | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 6.49 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 25 | pH: 7.17 | Sample Depth: 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm): 154.0

Salinity (ppt): 0.07 | Comments: 2 E.coli orange caps returned

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Location WIN ID / FILED ID → G2WA0017

Field ID Location: Bridge Creek At Sr 71

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6/19/19 Time 1210 (Eastern / Central) | Composite end Date — Time — | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): ~~Fresh~~ Biological | Diss. Oxygen: — ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C): — | pH: — | Sample Depth: ☐ ft ☐ m | Sp. Conductance (umho/cm): —

Salinity (ppt): — | Comments: No Algal ID; Extra MI-FW-QLDC returned

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Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time (Eastern / Central) | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time (Eastern / Central) | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[signature]	6/19/19 14:27	HD	1	[signature]	6/20/19 1127

Group: A	Bottle Type: P-1L	# of Bottles: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W					
Group: A	Bottle Type: P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ECOLI-18QT					
Group: A	Bottle Type: BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-E8321-DI W-E8321-MS					
Group: A	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP W-ICPMS			LOT# NA9099030 EXP: 04/09/20		
Group: A	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			H2SO4 LOT# SA8344070 EXP: 12/10/2019		
Group: A	Bottle Type: P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
	W-PO4-F					
Group: A	Bottle Type: BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ					
Group: B	Bottle Type: PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	Ø
	ALGAL_ID					
~~Group: B~~	~~Bottle Type: P-L-2L~~	~~# of Bottles: 2~~	~~Preservative:~~	~~Formalin~~	~~Enter Number of Bottles Sent to Lab~~	Ø

Group: B Bottle Type: PJ-2L # of Bottles: 2 Preservative: Formalin **Enter Number of Bottles Sent to Lab** 3

MI-FW-QLDC

Cooler Packing Worksheet for Request: RQ-2019-06-17-13
SCI 8
Ship Cooler On: 6/13/2019
Customer/Project: WAS-SECT/SMP

Assigned To: AYRES_J
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
No preservatives needed.

Group A: Nutrients, Metals, Tracers, Q-PSNP-TQ, E.coli
Group B: SCI, Algae_ID

Packing Notes:
No FedEX Labels
No Trash Bag

Requested Analyses:

Bottle Group: A # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 0007738544

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1248230

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-1L **Qty: 4** **Preservation: ICE** **Lot #** 00073598

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B # of Sites: 1

Container ID: PT-50ML **Qty: 1** **Preservation: ICE** **Lot #** 03275003

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

Container ID: PJ-2L **Qty: 2** **Preservation: Formalin** **Lot #** Bio-Wash

Description: Plastic Jar 2 L

Analysis	Description
MI-FW-QLDC	No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: _____ Number of Coolers: 2 Date: 6/12/19

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ___ FedEx Bills, if applicable
- ___ Plastic Bags/Zip Ties
- ___ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-06-17-13