



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: Stafford Creek 100 meters upstream of SR 69

Date: 2/26/19
(mm/dd/yyyy)

WIN/ Field ID: G2WA0004

WBID: 723

Latitude: 30.4991

County: Calhoun

ORG ID: 21FLWQA

Longitude: -85.0427

Receiving Body of Water: Apalachicola River

RQ- 2019-02-25-49
(Decimal Degrees)

Sampling Team Members										WQ Measurements		Sample Collection		Documentation		Preservation		Preservation Check			
Jason Storr Steve Colone Amel Wood-McGrath										☒	☒	☒	☒	☒	☒	☒	☒	☒	☒		
Water Level: <u>Dry</u> / Pooled / Low / <u>Normal</u> / High / Flooded										Meter ID# <u>18E103063</u>		Matrix: <u>Fresh</u> / Marine / DI									
Photos: <u>Yes</u> / No										Flow: <u>No Flow</u> / Intertidal / <u>Flowing</u> / NA		Tide: <u>Rising</u> / Falling / Slack / <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>							
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°)											
<u>EST</u>	<u>11:20</u>	<u>0.8</u>	<u>0.3</u>	<u>0.3</u>	<u>8.08</u>	<u>82.9</u>	<u>6.41</u>	<u>0.02</u>	<u>50.4</u>	<u>16.6</u>											
CEN																					
Biological Samples Collected: <u>None</u> <u>HA</u> <u>SCI</u> <u>RPS</u> <u>Algae ID</u> <u>LVS</u> <u>LVI</u> Other: <u></u>																					
SBIO ID Numbers: SBIO-ID: <u>79258</u> HA-ID: <u>15676</u> RPS-ID: <u>9264</u> Macrophyte-ID: <u><2m²</u> LIMS#: <u>2065375</u>																					
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>SA-8274050</u>		<u>10/1/19</u>		☒ <2								
Metals		☒ W-ICPMS ☒ W-JCP					☒ Ice ☒ HNO3		<u>NA-8080070</u>		<u>3/21/19</u>		☐ <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-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:

SCI, RPS, LVS, HA
SCI Kit

obtained periphyton sample

Signature: Jason Storr

WIN ID /
FILED ID →

G2WA0004

Location Stafford Creek 100 meters
upstream of SR 69

Date: 2/26/2019

LIMS EVENT ID: WAS-SECT-2019-02-26-01

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: 888 3/14/19

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

Entered by: SEP 3/14/19

DEP Form FD 9000-5 Stream/River P

ment Field Sheet

SRID: 7238WIN ID /
FILED ID →

G2WA0004

= WATER:

SAMPLING AGENCY:

STORET

FDEP 21 FLWQA

REMARKS:

COUNTY:

LOCATION

Stafford Creek 100 meters
upstream of SR 69HA ID: 15676

Calhoun

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>9</u>	20 19 18 17 16	15 14 13 12 11	10 <u>9</u> 8 7 6	5 4 3 2 1
Substrate Availability <u>20</u>	Greater than 30% major productive habitat present at site <u>20</u> 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 <u>12</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 14 13 <u>12</u> 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>53</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 <u>12</u> 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>15</u>	20 19 18 17 16	<u>15</u> 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank <u>3</u> Left Bank <u>4</u>	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. 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. <u>5</u> <u>4</u>	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the woody root zone with raw, eroded areas. 3 2 1
Riparian Buffer Zone Width Right Bank <u>10</u> Left Bank <u>10</u>	Width of vegetation greater than 18 m <u>10</u> 9	Width of vegetation >12 to 18 m 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 <u>7</u> Left Bank <u>7</u> Secondary Score <u>58</u>	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 <u>7</u> 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

TOTAL SCORE

Date:

2/26/19

Analyst:

Stacy C. F. C.

Signature:

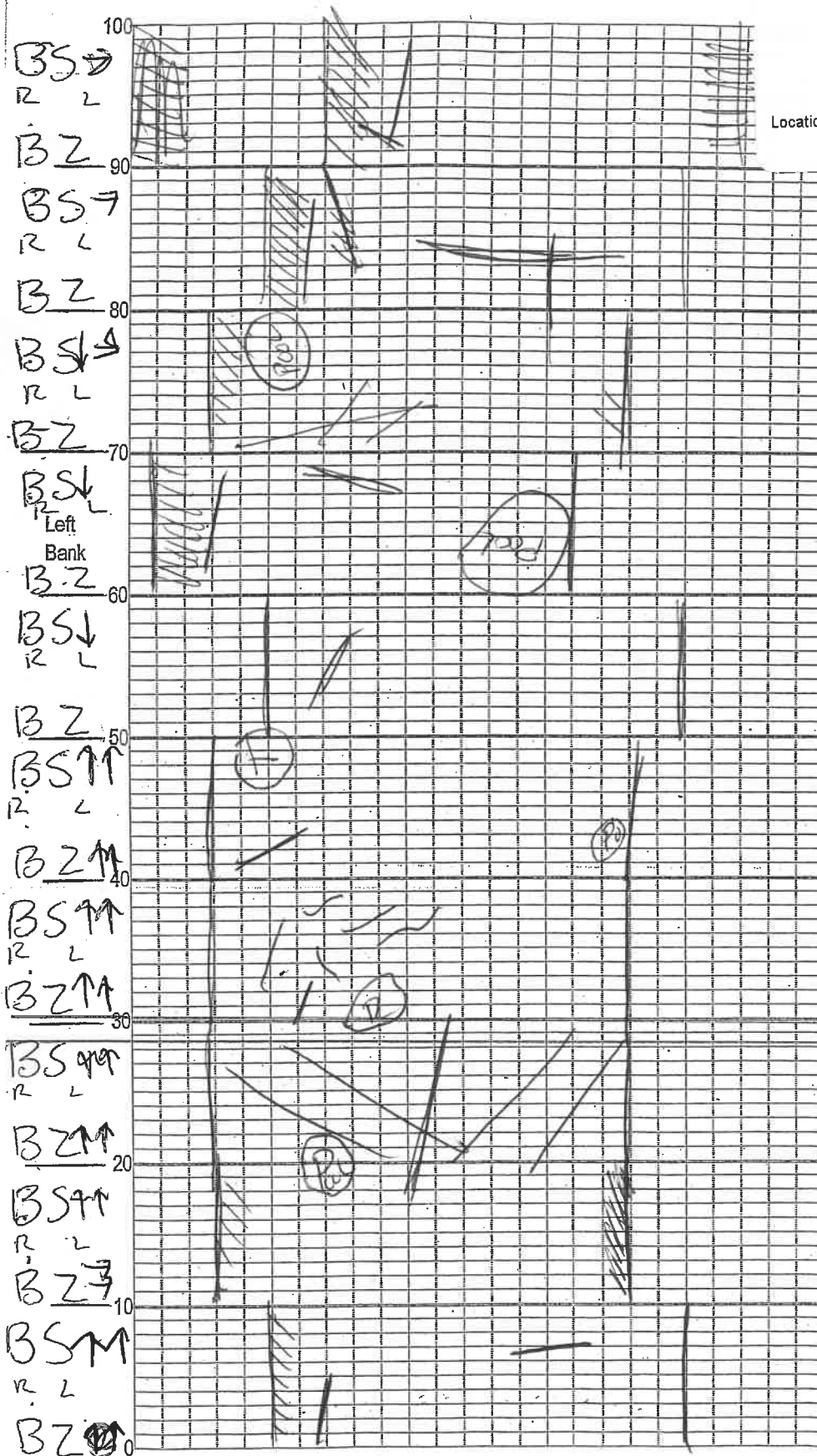
WMM

WIN ID /
FILED ID →



G2WA0004

Location Stafford Creek 100 meters
upstream of SR 69



53.9
 R-1.5
 V-
 S-1.0
 R-1.1
 V-
 S-1
 R-2.5
 V-
 S-1
 R-3.9
 V-
 S-1.0
 R-8.2
 V-
 S-4.2
 R-5
 V-2
 R-2
 S-2.0
 R-5.1
 V-
 S-1.0, 1.5
 R-2.1
 V-

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	
Substrates: Code key, draw proportionate habitat abundance.	
S Snags	12.4 20
R Roots/undercut banks	8.6 14.3
L Leaf Packs (or mats)	—
V Aquatic Macrophytes	.2 .02
HS HABITAT SMOTHER	→ 2
BS BANK STABILITY	→
P Pools	total # observed = 4 # range expected = 2-3
Average width	6 m
Average depth	.8 m
Velocity measured at	φ meter mark.
WQ & chemistry taken at	φ 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.	

S-1.0 Plants observed / other notes: Velocity
 R-1.0, 1.1
 V-
 S-1.0, 1.5
 R-2.1
 V-

Downstream

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

RQ-2019-02-25-49

Entered by: ~~see~~ 3/14/19

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

SAMPLE ID 79258 ORG ID 21FLWQA LATITUDE 30.4991
 COUNTY Calhoun STORET # G2WA0004 LONGITUDE -85.0427
 DATE 2/26/2019 TIME 1120 SAMPLING AGENCY FDEP WAS 21FLWQA
 SITE NAME Stafford Creek 100meters upstream of SR69
 FIELD ID/NAME G2WA0004 RECEIVING BODY OF WATER Apalachicola River

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural <u>29.7</u> Silviculture <u>40.5</u> Field/Pasture <u>7.9</u> Agricultural <u>16.5</u> Residential <u>3.1</u> Commercial <u><</u> Industry <u>1.9</u> Other (Specify) <u><</u>								Landscape Development Intensity Index (LDI) <u>2.30</u>
Local Watershed Erosion (select one): ☐ None ☒ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy								Typical Width (m) Depth (m)/Velocity (m/sec) Transect <u>6</u> m wide <u>0.14</u> m/s <u>0.8</u> m deep
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>>18</u> Right Bank: <u>>18</u>				Hydrologic Modification Score (per FT 3101) <u>3-4</u>				
High Water Mark: <u>1</u> + <u>0.8</u> = <u>1.8</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No				
Artificially ☐ No ☒ Mostly recovered, more sinuous Channelized: ☐ Some recovery ☐ 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 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 Woody Debris (Snags) <u>20</u> <u>7</u> Undercut Banks / Roots <u>14</u> <u>7</u> Leaf Packs or Mat <u><1%</u> <u>1</u> Aquatic Vegetation <u><1%</u> <u>1</u> Rock or Shell Rubble <u>5</u> Sand <u>5</u> 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: <u>0.3</u> <u>16.6</u> <u>6.41</u> <u>8.08</u> <u>92.9</u> <u>5.4</u> <u>0.02</u> <u>0.3</u> Mid: <u>0.8</u> <u>16.6</u> <u>6.41</u> <u>8.08</u> <u>92.9</u> <u>5.4</u> <u>0.02</u> <u>0.3</u> Bottom: <u>0.8</u> <u>16.6</u> <u>6.41</u> <u>8.08</u> <u>92.9</u> <u>5.4</u> <u>0.02</u> <u>0.3</u> Meter ID: <u>YSI 18E103063</u> Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: <u>See Field Sheet</u> Exp: Algae Sample Taken? ☒ Yes ☐ No Sample Preserved? ☐ Yes ☒ No Lot Number: Exp: Water Surface Oils Normal ☒ Sheen ☐ Globbs ☐ Slick ☐ Other ☐ Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) 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 have been met to my best knowledge.					

SAMPLING TEAM

SIGNATURE: DATE: 3/11/19

G2WA0004

Entered by: ~~888~~ 3/14/19

SRIO: 79238 RPS: 9264

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: <u>Stard Creek</u>					County: <u>Calhoun</u>		Date: <u>2/26/19</u>		Investigators: <u>Storrs / Woods-McGrath</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	
900	1	N	N		600	1	3	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			
100	1	N			700	1	N	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			
200	1	N			800	1	N	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			
300	1	N			900	1	N	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			
400	1	N			1000	1	N	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			
500	1	N				1	N	N		
	2	N				2	N			
	3	N				3	N			
	4	N				4	N			
	5	N				5	N			
	6	N				6	N			
	7	N				7	N			
	8	N				8	N			
	9	N				9	N			

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%.

STORET Station Number: 62 WA 0004

Secchi depth	<u>0.3</u>
Estimated?	<u>N</u>

# points ranked 4-6	<u>1</u>
total points assessed	<u>91</u>
% points ranked 4-6	<u>1%</u>

(Exclude X's)

Check accompanying data collected at same site/date.

Algal mat sample	☒
Linear Veg Survey	☒
Habitat Assessment	☒
SCI/Biorecon	☒
Water sample	☒

RQ- 2019-02-25-49

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

(> 3 considered smothered)

(N to 1 mm)

(3) 6mm

(4) 20mm

(5) 10cm

(6)

AWM 2/26/19

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

Waterbody: Stafford Creek 100m upstream of SR69 Date: 7/20/19 County: Calhoun Storet Number: G2WA0004

Analyst: Steve Cofer

Signature: [Signature]

Comments: SMP Sampling

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.

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

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											

Notes:

☒ < 2m2

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: YSI 1000 FT 1500

RQ: 2019-02-25-49

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.	S. COFAR	2/26/19	07:55	23.4	8.578	8.67	100.6		1989.06	P/F	L/F
ICV	"	"	07:56	22.4	8.677	8.64	99.0			P/F	L/F
CCV	Amilwood Marsh	2/26/19	15:37	24.2	8.382	8.48	101.0			P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	S. COFAR	2/26/19	07:54	180403A	4/19	1000	1000	P/F	L/F
ICV	"	"	07:52	180221A	3/19	500	493	P/F	L/F
CCV	Amilwood Marsh	2/26/19	15:56	1805701	5/20	100	99.2	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
Calibr.	S. COFAR	2/26/19	07:59	180403	10/19	7.0	7.0	-44.4	P/F	L/F
Calibr.	"	"	08:00	180621D	7/19	4.0	4.0	134.6	P/F	L/F
Calibr.	"	"	08:02	180621F	01/20	10.0	10.0	-210.6	P/F	L/F
ICV	"	"	08:05	180403	10/19	4.0	4.04	133.4	P/F	L/F
CCV	Amilwood Marsh	2/26/19	15:58	180521F	01/20	10.0	10.04	-217.5	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 $+180 \pm 50$;

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

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	S. COFAR	2/26/19	08:06	0.00	0.00	P/F	L/F

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

COMMENTS:

Offset .27

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Project ID: SMP

Collected By:

Amil Wood-McGrath / Steve Colone / Jason Stovs
 Sampling Agency: FDEP

Location Stafford Creek 100 meters upstream of SR 69		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/26/19 Time 11:20		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID G2WA0004		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 82.9	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		A
WIN/STORET # G2WA0004		Temp (C) 16.6	pH 6.41	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 50.4		
Latitude 30.4991	☒ dd ☐ dms	Longitude -85.0427	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments			
Location Stafford Creek 100 meters upstream of SR 69		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/26/19 Time 14:05		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID G2WA0004		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 82.9	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		B
WIN/STORET # G2WA0004		Temp (C) 16.6	pH 6.41	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 50.4		
Latitude 30.4991	☒ dd ☐ dms	Longitude -85.0427	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments			
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: 	Date/Time 2/26/19 15:30	Shipping Method HD	Number of Coolers Shipped:	Received By: Tyler R	Date/Time 02/26/19 @ 15:30
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	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	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	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	1
	ALGAL_ID						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	2

Group: B Bottle Type: PJ-2L # of Bottles: 2 Preservative: Formalin Enter Number of Bottles Sent to Lab 2
MI-FW-QLDC