Site Name: S205. Choctawhatchee River at Hwy 2 Date 04/23/2019

Field ID 3548 Storet 3548 RQ-2018-04-15-21

Visit ID 79351 WBID 49F

RPS ID 9302

VPDB ID N/A

HA ID 15735

☑ SCI

☐ RPS/LVS Only

☑ Sample Site Created in SBIO FB 04/24/19

☑ Phys/Chem entered in SBIO FB 04/24/19 FB

☑ HA entered in SBIO Initial FB 04/24/19 ☑ Date and Initial QA: JS 4/24/19

☑ RPS entered in SBIO Initial FB 04/24/19 ☑ Date and Initial QA: 4/24/19 JS

☐ LVS entered in SBIO Initial _____ ☐ Date and Initial QA: _____

☑ < 2 m^2 vegetation

☐ Plants getting verified Date submitted: _____

☐ Plants verified Date returned: _____

☑ RPS data Authorized in SBIO ☑ Date and Initial: FB 04/29/2019

R.P.S. score 0.4

Notes.

Multiple SBIO Projects: EcoRegRefStreams and Ambient Trend Monitoring. All habitats smothered by Sand, Silt, and Algae.

S.C.I. complete: _____ SCI score: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SURFACE WATER FIELD SHEET
Watershed Monitoring Section
October 2017

STATION INFORMATION 3548

Station Name (Random ID for Status): S205 Date: 04/23/2019 (MM/DD/YYYY)

Waterbody Name: Choctawhatchee River @ HWY 2 (if known)

All Times Are: (circle one) ETZ or (CTZ) or EST (daylight savings time never observed)

Waterbody Type: (Circle One)
Small Lake (≥ 4 and < 10 hectares) (collect samples in middle of open water) / Large Lake (≥ 10 hectares) (collect samples at selected location point)
Stream (collect samples in representative area) / Canal (collect samples in representative area) / (River) (collect samples in representative area)

Field Sheet Completed by: F. Butera WQ Sample Collected by: S. Slade

WATER CHARACTERISTICS

Total Water Depth: ~~2.0~~ FB 1.1 ~~1.09~~ (meters) (Average of 2 measurements) Secchi Depth: 0.7 (meters) (from SHADED side) ☐ Check if Secchi Visible on Bottom ("S" qualifier needed)

Stream/River/Canal Flow: (Circle One) N/A (waterbody not stream / river / canal) / No Flow, Water within Banks / (Flowing within Banks) (comment if avg. velocity < 0.05 m/s) / Flow Above Banks (For Status sites, DO NOT sample if flooded above banks.)

Water Level: (Circle One) (Low) / Normal / High

Water Sample Collection Device: (Circle One) Direct Grab with Sample Bottle / Van Dorn: ____ # of grabs & Equipment ID ____

FIELD MEASUREMENTS Meter ID# 32237 Read by: F. Butera

Time (24 hr.)	Surface Depth Collected (meters)	Temperature (°C)	Specific Conductance (µmhos/cm)	D.O. (%)	D.O. (mg/L)	pH (SU)
14:25	0.3	19.95	79	94.9	8.64	6.44
Time (24 hr.)	Bottom Depth Collected (meters)	Temperature (°C)	Specific Conductance (µmhos/cm)	D.O. (%)	D.O. (mg/L)	pH (SU)

☑ Check here if bottom measurements not collected because total depth < 1.5 m.

DATA COLLECTION DEPTHS: Total depth < 0.1 m → no data collection. Total depth ≥ 0.1m and < 0.6m → surf. meas. & sample at mid-depth. Total depth ≥ 0.6 m & < 1.5 m → surface meas. & sample at 0.3m. Total depth ≥ 1.5 m → surface meas. & sample at 0.3m, bottom meas. 0.5 m above bottom.

PRESERVATION INFORMATION ☐ N/A (No samples collected; please state why in comments.)

Were all samples (including QA/QC blanks) properly preserved within 15 minutes of collection? (Yes) / No

1 vial sulfuric acid added to nutrients sample(s)? (Yes) / No Sulfuric acid info: (circle one) Chem ID / Lot # SA 8344074

1 vial nitric acid added to metals sample(s)? (Yes) / No Nitric acid info: (circle one) Chem ID / Lot # NA 8344054

pH of all acidified samples verified to be < 2? (Yes) / No

All water & sediment samples submerged in wet ice (≤ 6°C)? (Yes) / No

SCI samples preserved with buffered formalin? (Yes) / No / NA Preserved By: S. Slade

(Please describe any variations to this preservation protocol in the comments section below.)

QA/QC SAMPLE INFORMATION

QA/QC Sample: (Circle One) N/A / (Field Blank) / Equipment Blank (Field-cleaned) or (Lab-cleaned) Time: 14:30 (24 hr.)

Van Dorn Equipment ID: ____ Collected by: S. Slade

Photos Taken? Yes / (No) / Not Due (Required for all Status sites. Required annually for Trend sites.)

Fuel Powered Equipment Used? (e.g. boat motor) (Yes) / No

Access Method for Sample Collection (circle one):

Wading / Bank or Structure (e.g. bridge, dock) / (Motorized Boat) /

Non-Motorized Boat (e.g. canoe, kayak) / Air Boat / Other ____

Weather Conditions: Sunny Lows 80's (comment on back if weather may affect water quality parameter values)

Personnel/Visitors On Site: Stupher Slade, Frank Butera

S205
NRST1904 CHOCTAWHATCHEE RIVER AT STATE HIGHWAY 2

QA/QC BLANK SW 3
NRST1904 QA/QC BLANK SW 3

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

SAMPLE ID 79351 ORG ID 21FLGW LATITUDE 30.94704
COUNTY Holmes STORET # 3548 LONGITUDE 85.84434
DATE 04/23/2019 TIME 12:45 SAMPLING AGENCY FL DEP NWD2C
NAME Chockwhatchee R @ SR 4 2
FIELD ID/NAME S205 RECEIVING BODY OF WATER Chockwhatchee Bay

RIPARIAN ZONE / STREAM FEATURES WBID 49F Rq.2019-04-15-21

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)

Landscape Development Intensity Index (LDI): 1.73

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: ____ Right Bank: ____

Hydrologic Modification Score (per FT 3101): ____

High Water Mark: 2.0 (m) + 2.0 (above present water level) = 4.0 (above bed) (present depth)

Artificially Impounded: ☐ Yes ☒ No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect

90m Marks			m wide
~~33~~ 0.4 m/s	0.4 m/s	.33 m/s	
71.5 ~~1.1~~ m deep	1.2 m deep	1.1 m deep	

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)	0.5	7	
Undercut Banks / Roots	0.1	7	
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....	99.4	6	
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY (12:45 CT)

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top:	0.3	19.71	5.97	8.53	93.0	79	0.04	0.7
Mid:								☐ VOB
Bottom								TOTAL DEPTH
								2.0

Meter ID: 132237

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: ____ 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:	☒	☐	☐	☐
n/Sulfur Bacteria:	☒	☐	☐	☐

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

AMBIENT FIELD CONDITIONS / NOTES:
All habitat covered in silt, Sand, or Algae. Multiple Projects | Eco Reg Ref Streams, Ambient Trend Monitoring (GBIO).

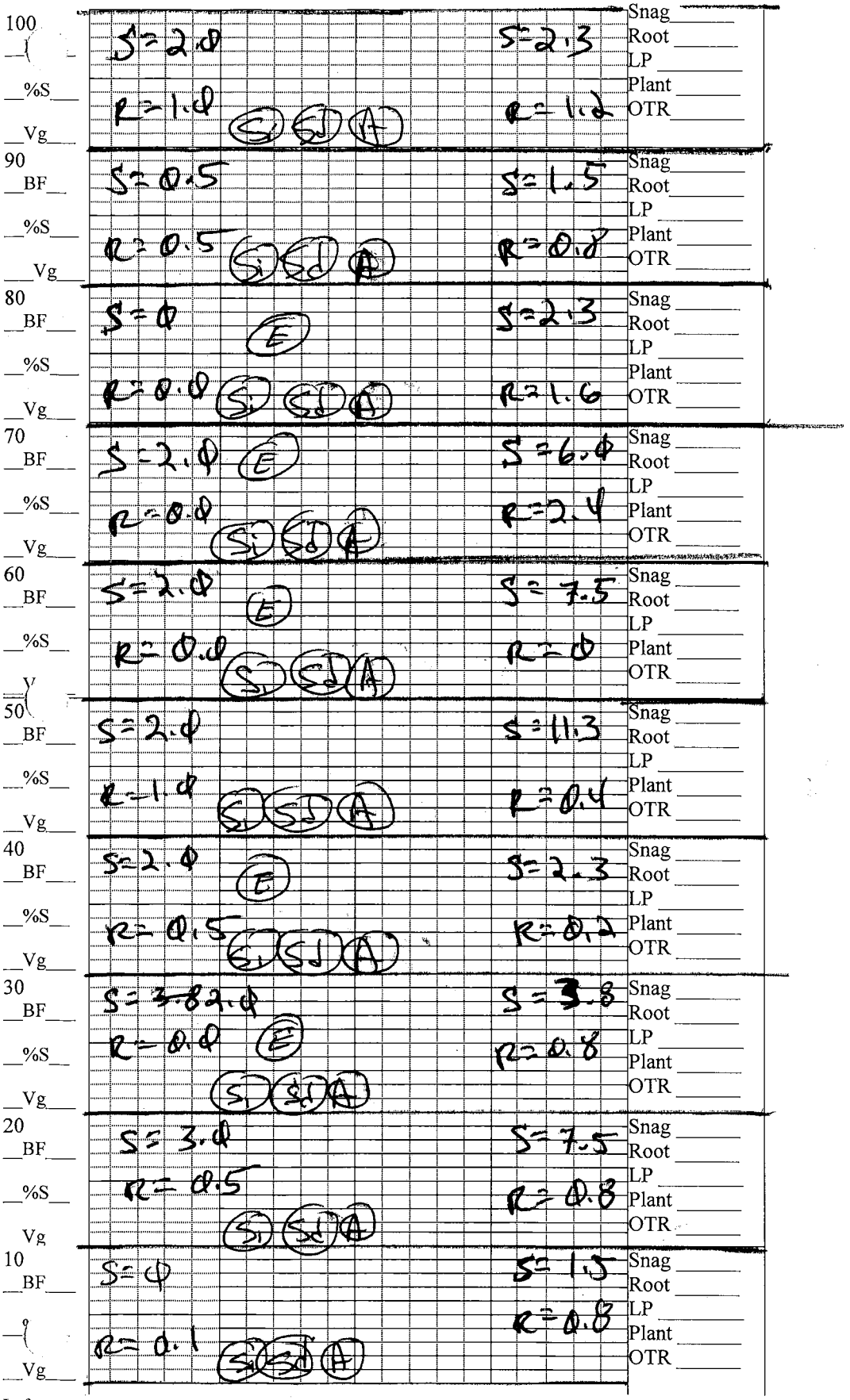
☒ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM: Frank Butera, Steph Slede

SIGNATURE: Frank [signature]

DATE: 04/23/2019

Stream/River Habitat Sketch Sheet, Form FD 9000-4 (June 1, 2001)_
Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).



Substrates: Code key, draw proportionate habitat abundance.

- / Snags
- S Roots/undercut banks
- O Leaf Packs (or mats)
- Δ Macrophytes
- (A) = Algae
- (S1) = Silt
- (SJ) = Sand
- (Fe) = Iron/Sulfur
- /// = Sand Bar

Velocity:
Note where velocity measures were taken. 10 m

Habitat Smothering:
Note areas (on map) where sand or silt is something 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.

Average width 115m
Average depth 1.4 m
WQ & chemistry taken @ 50 m

S205. Choctawhatchee R. HWY 2
Storet. 3548
Field ID. S205

Date: 04/23/2019
Sampled By. FButera
Plants observed/other notes:

0-10 meter [A]	Habitat Area (M)	Left Bank	Right Bank
	Snag 1.5	Bankfull	Bankfull
On (m) 110	Root 0.9	—	—
10m width	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

10-20 meter [B]	Habitat Area (M)	Left Bank	Right Bank
	Snag 10.5	Bankfull	Bankfull
20m width	Root 1.3	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

20-30 meter [C]	Habitat Area (M)	Left Bank	Right Bank
	Snag 5.8	Bankfull	Bankfull
30m width	Root 0.8	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg —	Veg —
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

30-40 meter [D]	Habitat Area (M)	Left Bank	Right Bank
	Snag 4.3	Bankfull	Bankfull
40m width	Root 0.7	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg —
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

40 - 50 meter [E]	Habitat Area (M)	Left Bank	Right Bank
	Snag 13.3	Bankfull	Bankfull
50m width 109	Root 1.4	—	—
	Leaf	Slope	Slope
Avg. Depth 1.4	Veg	—	—
Max Depth 2.0	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A)		

50-60 meter [F]	Habitat Area (M)	Left Bank	Right Bank
	Snag 9.5	Bankfull	Bankfull
60m width	Root 0.0	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

60-70 meter [G]	Habitat Area (M)	Left Bank	Right Bank
	Snag 8.0	Bankfull	Bankfull
70m width	Root 2.4	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

70-80 meter [H]	Habitat Area (M)	Left Bank	Right Bank
	Snag 2.3	Bankfull	Bankfull
80m width	Root 1.6	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg /	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A) (E)		

80-90 meter [I]	Habitat Area (M)	Left Bank	Right Bank
	Snag 2.0	Bankfull	Bankfull
90m width	Root 1.3	—	—
	Leaf	Slope	Slope
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A)		

90 - 100 meter [J]	Habitat Area (M)	Left Bank	Right Bank
	Snag 4.3	Bankfull	Bankfull
100m width 126	Root 2.2	—	—
	Leaf	Slope	Slope +
Avg. Depth	Veg	—	—
Max Depth	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	(Si) (Sd) (A)		

Station: Chestuhatchee R @ HWY 1 (CS305)
Storet: 3548
Date 04/22/2019
0 meter (Dec Deg)
30.94704
86.85.64434
100 meter (Dec Deg)
30.94708
85.84358
Water Quality Measured at
50m
Stream Velocity and location.
0.4 m/s 90 meter mark

Number of Pools & Location

High Water: 2.0
Silt smothering @
A-J
Sand Smothering @
A-J
Algae Smothering @
A-J
Degraded Banks @
C, D, F, G, H
Fe/Sulfur Bact. @
—

Total Habitat	Sq. Meters	Percent
Snags	61.5	0.5
Roots	12.6	0.1
Leaf		
Veg		
Rock		
Gravel		
Sand		99.4
Other	(138)	~~99.4~~
Sum 1° Habitat		0.6

Avg. Depth	Max. Depth	Avg. Width
1.4	2.0	115

Bank Stability Score. Left Bank 0.8 Right Bank 0.9 Category Left Bk Marginal Right Bk Marginal
Add all plus signs (Max. 30 possible) and Divide by 10. Scoring. **Poor:** 0.0 - 0.9 pts. **Marginal:** 1.0-1.9 pts. **Suboptimal:** 2.0 - 2.9 **Optimal:** 2.1 +

Notes.

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

SAMPLING AGENCY:	STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
FCDEP- NWRQC	3548	04/23/19	Choctaw. Bay
REMARKS: / COUNTY: Holmes	LOCATION: S205 Choctawhatchee R. HW12		FIELD ID/NAME: S205

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 6	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 1	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 38	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** 19	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 4 Left Bank 4	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 10 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 8 Left Bank 6 Secondary Score 61	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

99 **TOTAL SCORE** SBIO ID 79351 HA ID 15735

Date:	Analyst:	Signature:
04/23/2019	F. Butera	

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: 06. Choctawhatchee R Hwy 2 | County: Holmes | Date: 04/23/19 | Investigators: F.Butler, S.Slade

STORET Station Number: 3548

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

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N	N	
	2			
	3			
	4			
	5			0
	6			
	7		Y	
	8	N	Y	
	9	N	N	
70	1	N	Y	
	2			
	3			
	4			
	5			0
	6			
	7		Y	
	8	N	Y	
	9	N	N	
80	1	N	Y	
	2			
	3			
	4			
	5			0
	6			
	7		Y	
	8		Y	
	9	N	N	
90	1	N	N	
	2			
	3			
	4			
	5			0
	6			
	7		Y	
	8	N	Y	
	9	N	N	
100	1	N	N	
	2			
	3			
	4			
	5			0
	6			
	7		Y	
	8	N	Y	
	9	N	N	

Secchi depth	0.7
Estimated?	No

# points ranked 4-6	0
total points assessed	99
% 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-2019-04-15-21

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

SB10 ID 79351

RPS ID 9302

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: SR85, Choctaw R Hwy 2 | Date: 4/23/19 | County: Holmes | Storet Number: 3548

Analyst: F. Butera | Signature:

Comments: < 2m² Veg. LUS NOT Appropriate

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m^2 of taxa present). Note 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.

SAV ID 79351

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								1			
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
If no Dominant or Co-Dominant were selected, indicate with "X"	X									X	
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage	X									X	
>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											