



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes ☒ No ☐

WIN Station Name: Still Branch downstream of Sunrise Trail

Date: 6/28/2023

WIN/Field ID: G5NW0015

WBID: 242

ENR:

Latitude: 30.76348

County: Escambia

Org ID: 21FLPNS

Longitude: -87.46611

Receiving Body of Water: Perdido River

RQ: 2023-06-26-15

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	C. Stopher Slade	x		x	x	x
☒	Ken Turmann		x			
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☐ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# 154179 (PRODSS)	
Photos: YES	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☐ None ☒ HA ☒ SCI ☒ RPS ☐ Algae ID ☒ LVS ☐ LVI Other:			
SBIO ID Numbers: SBIO ID 87317. HA ID 18543. RPS ID 10119. Benthic ID.			LIMS ID 2420473
Notes: / SCI COLLECTION TIME: 1115			

Duplicate Sample

Time Zone: CEN	Time:	Field ID:	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone: CEN	Time: 1015	Field ID: FB_06282023	(Blank Type_DDMMYYYY)
DI Source: Pensacola Ice Room	Location: Still Branch downstream ofvSunrise Trail		
DI Type: Field Blank	Equipment ID:		
DI Container (Name/ID):		DI Container Type: Chum_Bucket	

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:



RQ-2023-06-26-15
Customer: NW-DIST
Project ID: STRATEGIC MONITORING PLAN

Collected By: C. Stopher Slade, Other
Field Report Prepared By: C. Stopher Slade
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID: G5NW0015 Location: Still Branch downstream of Sunrise Trail						Comments:				
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
	1000 CEN	6.31	72.9	22.5	5.02	0.1	0.2 ☒ VOB (S)	0.2	23	0.01
6/28/2023							Central Lab please use top row for login purposes			
	CEN									
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot #	SA3013020		Exp:	01/25/2024				
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A
		Lot #	NA2230040		Exp:	09/01/2023				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #	17460495		Syringe Lot#	1363514				
Biochemical Oxygen Demand (BP-1L)		BODTEST OV-BODUNIN				ICE				
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC		Formalin Lot #	-		☒ Formalin		2	B
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab				☒ Ice			1	A
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp. Date		
Pesticides (BG-500ML) (BG-1L)		☒ W-E8321-DI ☒ WE8321-MS		☒ W-PSNP-TQ	W-CT-CI-R		☒ Ice	MCAA Lot#	5 or 3	A
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-TR-SQ-R				
Phytoplankton/Periphyton		W-PCB-TQ-R		PKD-QN-BV		☐ Ice				
Name: C. Stopher Slade, Ken Turman Other		Signature:				Date: 06/28/2023				

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



RQ- 2023-06-26-15

Collected By: C. Stopher Slade, Other

Customer: WQAP

Field Report Prepared By: C. Stopher Slade, Other

Project ID: SMP

Sampling Agency: FDEP

BLANK



Field ID: FB 06282023

Comments:

Matrix: Field Blank

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: Pensacola Ice Room

6/28/2023

1015

CEN

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	☐ <2	1	C
	Lot # SA3013020 Exp: 01/25/2024				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	☒ <2	1	C
	Lot # NA2230040 Exp: 09/01/2023				
Filtered Nutrients (P125ML)	☐ W-PO4-F Filter ☐ Field Filtered 0.45 µm	☐ Ice			
	Filter Lot #				
	Syringe Lot #				
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-IC / TDS	☒ Ice		1	C
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice	MCAA Exp. Date		
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CI-R	☐ Ice	MCAA Lot#		
	☐ W-PCL-TQ-R ☐ W-CARB-AA ☐ W-TR-SQ-R				
☐ W-PCB-TQ-R (5 ml of MCAA** Buffer Solution)					
Name: C. Stopher Slade Other		Signature:		Date: 06/28/2023	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Site Name Still Branch downstream of Sunrise Trail

Date: 6/28/23

WIN ID G5NW0015

Field ID G5NW0015

Project: Smp

Visit ID 87317

RQ: 2023-06-26-15

RPS ID 10169

LIMS ID: 2420473

Macro ID N/A

WBID: 242

HA ID 18543

☒ SCI

☐ RPS/LVS Only

☒ Sample Site Created in SBIO

☒ Phys/Chem in SBIO Initial FB

☒ Date and Initial QA: 7/20/23 LM

☒ HA entered in SBIO Initial FB

☒ Date and Initial QA: 7/20/23 LM

☒ RPS entered in SBIO Initial FB

☒ Date and Initial QA: 7/20/23 LM

☐ LVS entered in SBIO Initial _____

☐ Date and Initial QA: _____

☒ < 2 m² vegetation

☐ Plants getting verified

Date submitted: _____

☐ Plants verified

Date returned: _____

☒ RPS authorized in SBIO

☒ Date and Initial: 7/20/23 FB

☒ RPS score: 8.08

☐ Macro authorized in SBIO

☐ Date and Initial: _____

☐ LVS Score: N/A

☒ SCI complete: MHeys 9/15/2023

SCI Score: 81

☒ Add SBIO-ID, HA-ID, RPS-ID, MACROPHYTE-ID and LIMS# to field sheet in database

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

SAMPLE ID 87317 ORG ID 21FLPNS LATITUDE 34.76348
 COUNTY Eschambia STORET # G5NW0015 LONGITUDE 87.46611
 DATE 6/28/23 TIME 1000 SAMPLING AGENCY WDKSC
 SITE NAME Still branch off of RECEIVING BODY OF WATER Perido River
 FIELD ID/NAME G5NW0015 Perido River Lins ID 2420423

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) ☐							Landscape Development Intensity Index (LDI) ☐
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 ☐ m wide <u>2.3</u> m wide ☐ m/s <u>0.25</u> m/s ☐ m/s ☐ m deep <u>0.1</u> m deep ☐ m deep
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>718</u> Right Bank: <u>716</u>				Hydrologic Modification Score (per FT 3101) <u>1-2</u>			
High Water Mark: <u>0.4</u> + <u>0.2</u> = <u>0.6</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 <table border="1"> <thead> <tr> <th></th> <th>% Coverage</th> <th>INVERT # Times Sampled</th> <th>PERI # Times Sampled</th> </tr> </thead> <tbody> <tr> <td>Woody Debris (Snags)</td> <td><u>10.3</u></td> <td><u>7</u></td> <td></td> </tr> <tr> <td>Undercut Banks / Roots</td> <td><u>19.45</u></td> <td><u>7</u></td> <td></td> </tr> <tr> <td>Leaf Packs or Mat</td> <td><u>0.6</u></td> <td><u>3</u></td> <td></td> </tr> <tr> <td>Aquatic Vegetation</td> <td><u>0.04</u></td> <td><u>1</u></td> <td></td> </tr> <tr> <td>Rock or Shell Rubble..</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sand.....</td> <td><u>69.6</u></td> <td><u>2</u></td> <td></td> </tr> <tr> <td>Mud / Muck / Silt</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				% Coverage	INVERT # Times Sampled	PERI # Times Sampled	Woody Debris (Snags)	<u>10.3</u>	<u>7</u>		Undercut Banks / Roots	<u>19.45</u>	<u>7</u>		Leaf Packs or Mat	<u>0.6</u>	<u>3</u>		Aquatic Vegetation	<u>0.04</u>	<u>1</u>		Rock or Shell Rubble..				Sand.....	<u>69.6</u>	<u>2</u>		Mud / Muck / Silt				Other				Other				WATER QUALITY <table border="1"> <thead> <tr> <th></th> <th>Depth (M)</th> <th>Temp. (°C)</th> <th>pH (SU)</th> <th>D.O. (MG/L)</th> <th>D.O. Sat (%)</th> <th>Cond. (UMHO/CM)</th> <th>Salinity (PPT)</th> <th>SECCHI (M)</th> </tr> </thead> <tbody> <tr> <td>Top:</td> <td><u>0.1</u></td> <td><u>22.5</u></td> <td><u>5.02</u></td> <td><u>6.31</u></td> <td><u>72.9</u></td> <td><u>830</u></td> <td><u>0.01</u></td> <td><u>0.2</u></td> </tr> <tr> <td>Mid:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ VOB</td> </tr> <tr> <td>Bottom:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Meter ID: <u>154179</u> TOTAL DEPTH <u>0.3</u>				Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top:	<u>0.1</u>	<u>22.5</u>	<u>5.02</u>	<u>6.31</u>	<u>72.9</u>	<u>830</u>	<u>0.01</u>	<u>0.2</u>	Mid:								☒ VOB	Bottom:								
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ABUNDANCE Not Obs. Rare Common Abundant Periphyton: ☐ ☐ ☒ ☐ Fish: ☐ ☐ ☐ ☒ Aquatic Plants: ☐ ☒ ☐ ☐ Iron/Sulfur Bacteria: ☒ ☐ ☐ ☐			Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: _____ Exp: _____ Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot Number: _____ Exp: _____																																																																														
System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐			Water Surface Oils Normal ☐ Sheen ☐ Globbs ☐ Slick ☐ Other ☐ Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐ Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐																																																																														
AMBIENT FIELD CONDITIONS / NOTES: ☒ The antecedent hydrologic conditions have been met to my best knowledge.																																																																																	
SAMPLING TEAM <u>[Signature]</u> <u>[Signature]</u>			SIGNATURE: <u>[Signature]</u> DATE: <u>6/28/23</u>																																																																														

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).

Location: Still Branch
Date: 6/28/73
Sampler: J. Hoke

100 BF		Snag <u>2.2+1</u>	Depth <u>0.2</u>
~%S~		Root <u>0.9+2.8</u>	Width <u>2.2</u>
+Vg+		LP <u>0.1</u>	
90 BF		Plant	Depth <u>0.2</u>
~%S~		OTR	Width <u>2.2</u>
+Vg+		Snag <u>0.8+0.7</u>	Depth <u>0.4</u>
80 BF		Root <u>1.3+3</u>	Width <u>3.0</u>
~%S~		LP <u>0.1</u>	
+Vg+		Plant	Depth <u>0.2</u>
70 BF		OTR	Width <u>2.2</u>
~%S~		Snag <u>3.0+1.0</u>	Depth <u>0.4</u>
+Vg+		Root <u>1.4+2</u>	Width <u>2.2</u>
60 BF		LP <u>0.1</u>	
~%S~		Plant	Depth <u>0.4</u>
+Vg+		OTR	Width <u>2.2</u>
50 BF		Snag <u>1.1+0.8</u>	Depth <u>0.4</u>
~%S~		Root <u>3.4+2.9</u>	Width <u>2.2</u>
+Vg+		LP <u>0.1</u>	
40 BF		Plant	Depth <u>0.4</u>
~%S~		OTR	Width <u>2.2</u>
+Vg+		Snag <u>1.4+1.2</u>	Depth <u>0.5</u>
30 BF		Root <u>0.7+2.1</u>	Width <u>2.2</u>
~%S~		LP <u>0.1</u>	
+Vg+		Plant	Depth <u>0.7</u>
20 BF		OTR	Width <u>2.2</u>
~%S~		Snag <u>2.2+1</u>	Depth <u>0.3</u>
+Vg+		Root <u>2.6+3.0</u>	Width <u>2.2</u>
10 BF		LP <u>0.1</u>	
~%S~		Plant	Depth <u>0.3</u>
+Vg+		OTR	Width <u>2.2</u>

100 m: Latitude 30.76348
Longitude 87.46611

0 m: Latitude 30.76348
Longitude 87.46537

Substrates: Code key, draw proportionate habitat abundance. %

☒	Snags	<u>248m²</u>	<u>10.3</u>
☒	Roots/undercut banks	<u>19.45</u>	
☒	Leaf Packs (or mats)	<u>0.6</u>	
☒	Aquatic Macrophytes	<u>0.04</u>	
☐	Pools	total # observed = <u>1</u> # range expected = <u>1-2</u>	

Average width 2.4 m
Average depth 0.4 m

Velocity measured at 90 meter mark.

WQ & chemistry taken at 90 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:

Flat blade
Spensy

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

SAMPLING AGENCY: <u>FOEP - NWRC</u>		STORET STATION NUMBER: <u>G5NW0015</u>	DATE (MM/DD/YY): <u>6/28/23</u>	RECEIVING BODY OF WATER: <u>Perdido River</u>
REMARKS: <u>WSD 242</u>	COUNTY: <u>Escambia</u>	LOCATION: <u>Still Branch</u>	FIELD ID/NAME: <u>G5NW0015</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>10</u>	20 19 18 17 16	15 14 13 12 11	<u>10</u> 9 8 7 6	5 4 3 2 1
Substrate Availability <u>15</u>	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent <u>15</u> 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>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>13</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 <u>13</u> 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>	<u>20</u> 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>7</u> Left Bank <u>6</u>	10 9	8 <u>7</u> <u>6</u>	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>	<u>10</u> 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>73</u>	<u>10</u> 9	8 7 6	5 4	3 2 1

126

TOTAL SCORE

Date: <u>6/28/23</u>	Analyst: <u>J. Hale</u>	Signature: <u>[Signature]</u>
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DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Still Branch County: Essex Date: 6/28/23 Investigators: S. Slade K. Torman

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N			60	1	3		
	2					2	N		
	3					3	4		
	4					4	3		
	5			96		5	2		50
	6					6	N		
	7					7	N		
	8					8	N		
	9					9	N		
10	1	N			70	1	N		
	2					2			
	3					3			
	4					4			
	5			40		5			35
	6					6			
	7					7			
	8					8			
	9					9	N		
20	1	N			80	1	N		
	2					2			
	3					3			
	4					4			
	5			96		5			85
	6					6			
	7					7			
	8					8			
	9					9	N		
30	1	N			90	1	N		
	2					2			
	3					3			
	4					4			
	5			92		5			92
	6					6			
	7					7			
	8					8			
	9					9	N		
40	1	N			100	1	N		
	2					2			
	3					3			
	4					4			
	5			70		5			90
	6					6			
	7					7			
	8					8			
	9					9	N		
50	1	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%.				
	2								
	3								
	4	4							
	5	4		65					
	6	6							
	7	N							
	8								
	9								

STORET Station Number: G5.VW0015

Secchi depth 0.3
Estimated?

points ranked 4-6 5
total points assessed 99
% points ranked 4-6 5%

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample
RQ- 2023-06-26-15

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 87317
RPS ID 10119

[illegible]

~~SECRET~~

Macro ID 12/4

Document Reference # 05.1.0

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Date/Time: 06/28/23 11351

If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]³ Recorded using IRT-2