



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV
Yes / No

WIN Station Name:	Tenmile Creek upstream of Quintette Rd				Sample Date:	5/31/2023	
WIN / Field ID:	G4NW0041	ORG ID:	21FLPNS	ENR:	Latitude:		30.67293
County:	Santa Rosa	WBID:	310	STREAM	Longitude:		-87.23301
Receiving Body of Water:	Escambia River				RQ-	2023-05-29-13	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Nathan Mulkey		x		x	x
Myranda Butler	x		x		

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
x	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		Secchi -1	
Collection Method			
x	Wading		Canoe/Kayak
	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	Yes
Meter ID:	154179 (ProDSS)
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
CEN	830	0.3	0.15	9.33	102.2	19.8	5.49	0.3	38.8	0.02
								VOB (s)		

Biological Samples Collected:	HA LVS RPS SCI			
SBIO Visit ID:	HA ID:	RPS ID:	Macrophyte ID:	LIMS Sample ID Entered Into The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation				
				Type	Lot#	Expiration Date	pH Check	
Microbiology	E. coli	Contract Lab	UWF	ICE				
Chlorophyll	CHLSUITE-W			ICE				
Physical/Aggregate Nutrients	ALKALINITY, TURBIDITY, W-F, W-TSS			ICE				
	W-CL-IC, W-COLOR, W-SO4-IC, W-TDS			ICE				
Filtered Nutrients	W-PO4-F	Field Filtered 0.45 µm Filter		ICE	Syringe Lot#; Filter Lot#:			
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			ICE	H2SO4*	SA3013020	1/25/24	H2SO4 pH<2
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	NA2230040	9/1/23	HNO3 pH<2
Organics (LC)	W-E8321-DI	W-E8321-MS						
Macroinvertebrates	MI-FW-QLDC					99999		
Organics (GC)	W-PSNP-TQ	W-TR-SQ-R		Ice	*2.0 ml of H2SO4 Used Unless Noted Otherwise **2.0 ml of HNO3 Used Unless Noted Otherwise			
Molecular								
Periphyton								
Phytoplankton								
BOD								
DOC								
Other(s)					SyringeLot#		FilterLot#	
Field Comments:	/ SCI Collection Time: 900							
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.							
Relinquish Date:	05/31/2023	Signature:						

LIMS EVENT ID:	WIN Import ID:
Enter Field Parameters, Verify Station ID In LIMS DMT:	QC Station ID, Field Parameters In LIMS DMT:
(Initials/Date)	(Initials/Date)
Save Field Sheets on Network:	Migrate Data to WIN:
(Initials/Date)	(Initials/Date)

Site Name Tenmile Creek upstream
of Quintette Road
Field ID 64NW0041 Storet 64NW0041
Visit ID 87316
RPS ID 10118
Macro ID N/A
HA ID 18542

Date: 5/31/23
Project: SMP/TMOL Stude's
RQ: 2023-05-29-13
LIMS ID: 2413949
WBID: 310

☒ SCI

☒ RPS/LVS Only

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB

☒ Date and Initial QA: 7/20/23 ll

☒ RPS entered in SBIO Initial FB

☒ Date and Initial QA: 7/20/23 ll

☐ 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: 4

☐ Macro authorized in SBIO

☐ Date and Initial: _____

☐ LVS Score: _____

☒ SCI complete: 8/21/2023 M. Mayo

SCI Score: 83

☒ If SMP, scanned into database

87316

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

SAMPLE ID: 64NW0041 ORG ID: 21FLPNSCOUNTY: Santa RosaWIN ID/STORET #: 64NW0041LATITUDE: 30.67293LONGITUDE: -87.23301DATE: 5/31/23TIME: 9:00 CTZSAMPLING AGENCY: FL DEP - NWROCRQ: 2023-05-29-13SITE NAME: Tennile Creek upstream of Quintette Rd.FIELD ID/NAME: 64NW0041 RECEIVING BODY OF WATER: Sanabria R. WBID: 310Project: SMPLIMS ID: 2413949

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) <u>N/A</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>3.9</u> m wide <u>0.28</u> m/s <u>0.33</u> m/s <u>0.31</u> m/s <u>1.3</u> m deep <u>1.4</u> m deep <u>1.3</u> m deep
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>>18</u> Right Bank: <u>718</u>				Hydrologic Modification Score (per FT 3101) <u>1-2</u>			
High Water Mark: <u>7.0</u> + <u>0.3</u> = <u>7.3</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			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>0.15</u></td> <td><u>19.8</u></td> <td><u>5.41</u></td> <td><u>9.33</u></td> <td><u>102.2</u></td> <td><u>38.8</u></td> <td><u>0.02</u></td> <td><u>0.3</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>							Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top:	<u>0.15</u>	<u>19.8</u>	<u>5.41</u>	<u>9.33</u>	<u>102.2</u>	<u>38.8</u>	<u>0.02</u>	<u>0.3</u>	Mid:								☒ VOB	Bottom:								
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Woody Debris (Snags) <u>41.9</u> <u>5</u> Undercut Banks / Roots <u>10.6</u> <u>5</u> Leaf Packs or Mat <u>4.8</u> <u>5</u> Aquatic Vegetation Rock or Shell Rubble..... Sand..... <u>42.7</u> <u>5</u> Mud / Muck / Silt Other Other			Meter ID: <u>154179</u>			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: _____																																						
ABUNDANCE <table border="1"> <thead> <tr> <th></th> <th>Not Obs.</th> <th>Rare</th> <th>Common</th> <th>Abundant</th> </tr> </thead> <tbody> <tr> <td>Periphyton:</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Fish:</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Aquatic Plants:</td> <td>☒</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Iron/Sulfur Bacteria:</td> <td>☒</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>				Not Obs.	Rare	Common	Abundant	Periphyton:	☐	☒	☐	☐	Fish:	☐	☐	☒	☐	Aquatic Plants:	☒	☐	☐	☐	Iron/Sulfur Bacteria:	☒	☐	☐	☐	Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ Color Tannic ☐ Green (Algae) ☐ Clear ☒ Other (Specify) ☐ Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐																
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Periphyton:	☐	☒	☐	☐																																								
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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:

Myranda Butler

SIGNATURE:

Myranda Butler

DATE:

5/31/23

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).

Ten Mile Creek upstream
of Quintette Rd

100	BF		Snag	_____
			Root	_____
	%S		LP	_____
	Vg		Plant	_____
90	BF		OTR	_____
			Snag	_____
	%S		Root	_____
	Vg		LP	_____
80	BF		Plant	_____
			OTR	_____
	%S		Snag	_____
	Vg		Root	_____
70	BF		LP	_____
			Plant	_____
	%S		OTR	_____
	Vg		Snag	_____
60	BF		Root	_____
	%S		LP	_____
	Vg		Plant	_____
50	BF		OTR	_____
			Snag	_____
	%S		Root	_____
	Vg		LP	_____
40	BF		Plant	_____
			OTR	_____
	%S		Snag	_____
	Vg		Root	_____
30	BF		LP	_____
			Plant	_____
	%S		OTR	_____
	Vg		Snag	_____
20	BF		Root	_____
	%S		LP	_____
	Vg		Plant	_____
10	BF		OTR	_____
			Snag	_____
	%S		Root	_____
	Vg		LP	_____
			Plant	_____
			OTR	_____

Left Bank

Downstream

Substrates: Code key, draw proportionate habitat abundance.



Snags



Roots/undercut banks



Leaf Packs (or mats)



Macrophytes



Velocity:

Note where velocity measures were taken. 80 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 3.9 m

Average depth 0.4 m

WQ & chemistry taken @ 0 m

Storet. G4NW0041

Field ID. G4NW0041

Date: 5/31/23

Sampled By. NM & MB

Plants observed/other notes:

SB10 ZP 87316

0-10 meter [A]	Habitat Area (M)	Left Bank	Right Bank
	1/2+1.5+	Bankfull	Bankfull
0m width (m)	Root 2+2+3	+	+
10m width	Leaf 1+1.1	Slope	Slope
Avg. Depth	Veg	-	-
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

10-20 meter [B]	Habitat Area (M)	Left Bank	Right Bank
	5+3+1.5+	Bankfull	Bankfull
20m width	Root 5+2+5	+	+
	Leaf 1+1	Slope	Slope
Avg. Depth	Veg	+	-
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

20-30 meter [C]	Habitat Area (M)	Left Bank	Right Bank
	12+5+5+	Bankfull	Bankfull
30m width	Root 12+5+5+	+	+
	Leaf 12+5+5+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

30-40 meter [D]	Habitat Area (M)	Left Bank	Right Bank
	11+1.5+5+	Bankfull	Bankfull
40m width	Root 11+1.5+5+	+	+
	Leaf 11+1.5+5+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

40 - 50 meter [E]	Habitat Area (M)	Left Bank	Right Bank
	1+1.5+1+	Bankfull	Bankfull
50m width	Root 1+1.5+1+	+	+
	Leaf 1+1.5+1+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

50-60 meter [F]	Habitat Area (M)	Left Bank	Right Bank
	1+2+1+	Bankfull	Bankfull
60m width	Root 1+2+1+	+	+
	Leaf 1+2+1+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

60-70 meter [G]	Habitat Area (M)	Left Bank	Right Bank
	11+1.5+1.5	Bankfull	Bankfull
70m width	Root 11+1.5+1.5	+	+
	Leaf 11+1.5+1.5	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

70-80 meter [H]	Habitat Area (M)	Left Bank	Right Bank
	5+2+1+8	Bankfull	Bankfull
80m width	Root 5+2+1+8	+	+
	Leaf 5+2+1+8	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

80-90 meter [I]	Habitat Area (M)	Left Bank	Right Bank
	15+1.5+4+	Bankfull	Bankfull
90m width	Root 15+1.5+4+	+	+
	Leaf 15+1.5+4+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

90 - 100 meter [J]	Habitat Area (M)	Left Bank	Right Bank
	15+1.5+4+	Bankfull	Bankfull
100m width	Root 15+1.5+4+	+	+
	Leaf 15+1.5+4+	Slope	Slope
Avg. Depth	Veg	+	+
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock	+	+
Rip. Buff R	Other	Other	Other

Store: GANNOON

Date 5/31/23

0 meter (Dec Deg)

30.12233, -87.23301

100 meter (Dec Deg)

30.12390, -87.23277

Water Quality Measured at

0m

Stream Velocity and location.

m/s 30 meter mark

30.12390, -87.23277

Number of Pools & Location

High Water: 7.3m

Silt smothering @

Algae on banks
mainly right

Sand Smothering @

Newly deposited
~150%

Algae Smothering @

NO

Degraded Banks @

NO

Fe/Sulfur Bact. @

NO

Total Habitat	Sq. Meters	Percent
Snags	67.0	41.9
Roots	17.0	10.6
Leaf	7.6	4.8
Veg		
Rock		
Gravel		
Sand	68.4	42.8
Other		
Sum 1° Habitat		

Avg. Depth	Max. Depth	Avg. Width
0.4	0.9	3.9

Bank Stability Score. Left Bank Right Bank Category Left Bk Right Bk
Add all plus signs (Max. 30 possible) and Divide by 3. Scoring. Poor: 0.0 - 3.7 pts. Marginal: 3.8-5.7 pts. Suboptimal: 5.8 - 8.6 Optimal: 8.7 +

Notes: SBW ID 87316

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

SAMPLING AGENCY: DEAR-NWROC. 21FLPNS		STORET STATION NUMBER: <u>G4NW0041</u>	DATE (MM/DD/YY): <u>5/31/23</u>	RECEIVING BODY OF WATER: <u>Escambia R.</u>
REMARKS: WBID <u>310</u>	COUNTY: <u>Santa Rosa</u>	LOCATION: <u>Tenmile Creek upstream of Quintette Rd</u>		FIELD ID/NAME: <u>G4NW0041</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>15</u>	20 19 18 17 16	<u>15</u> 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>18</u>	Greater than 30% major productive habitat present at site 20 19 <u>18</u> 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>19</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 <u>19</u> 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 <u>17</u> ----- Primary Score <u>69</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 <u>17</u> 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 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>16</u>	20 19 18 17 <u>16</u>	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank <u>9</u> Left Bank <u>9</u>	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. 10 <u>9</u>	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 <u>10</u> Left Bank <u>10</u>	Width of vegetation greater than 18 m <u>10</u> 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 <u>8</u> Left Bank <u>8</u> ----- Secondary Score <u>20</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. <u>8</u> 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

139 **TOTAL SCORE**

Date: <u>5/31/23</u>	Analyst: <u>M. Butler</u>	Signature: <u>M. Butler</u>
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SBIO ID: 87316
62-160.800, F.A.C.

HA ID: 18542

Revision Date: March 1, 2014

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: G4NW0041 County: Santa Rosa Date: 5/31/23 Investigators: N. Mulken, M. Butler

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	N			
	2					2				
	3					3				
	4					4				
	5			90		5			85	
	6					6				
	7					7				
	8					8				
	9					9				
10	1	N			70	1	N			
	2					2				
	3					3	3			
	4					4	N			
	5	3		90		5			90	
	6	N				6				
	7					7				
	8					8				
	9					9				
20	1	N			80	1	N			
	2					2				
	3					3				
	4					4				
	5			90		5			75	
	6					6				
	7					7				
	8					8				
	9					9				
30	1	N			90	1	N			
	2					2				
	3					3				
	4					4				
	5			60		5			90	
	6					6				
	7	3				7				
	8					8				
	9					9				
40	1	N			100	1	N			
	2					2				
	3					3				
	4					4				
	5			70		5			95	
	6					6				
	7					7				
	8					8				
	9					9				
50	1	N				1	N			
	2					2				
	3					3				
	4					4				
	5			60		5				
	6					6				
	7					7				
	8					8				
	9					9				

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: G4NW0041

Secchi depth 0.3
Estimated?

points ranked 4-6 0
total points assessed 96
% 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-2023-05-29-13

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

SB10 ID 87316
RPS ID 14118

[illegible]