

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV
Yes / No

WIN Station Name:	Jackson Springs Branch at Pineville Road				Sample Date:	4/24/2023	
WIN / Field ID:	G5NW0012	ORG ID:	21FLPNS	ENR:			
County:	Escambia	WBID:	228	STREAM			
Receiving Body of Water:	Pensacola				RQ-	2023-04-24-19	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Lauren McNally	x	x	x	x	x
C. Stopher Slade					

Sampling Equipment			
x	Sample Container	Carboy	
	Dipper	Van Dorn	
x	Syringe	Pole	
	Syringe Lot# 1363514	Filter Lot# 1746095	
	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:	Trend YSI
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	930	0.16	0.08	9.65	98.7	16.6	4.65	0.16	15.1	0.01
								VOB (s)		

Biological Samples Collected: HA LVS RPS SCI

SBIO Visit ID: 86585 HA ID: 18299 RPS ID: 10089 Macrophyte ID: N/A LIMS Sample ID Entered Into The Macrophyte Module: 2403199

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation			
				Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli			ICE			
	Contract Lab	UWF					
Chlorophyll	CHLSUITE-W			ICE			
Physical/Aggregate	ALKALINITY, TURBIDITY, W-F, W-TSS			ICE			
Nutrients	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#:1363514; Filter Lot#:1746095		
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			ICE	H2SO4*	2299040	11/4/2023
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	2126030	6/2/23
Organics (LC)	W-E8321-DI	W-E8321-MS					
Macroinvertebrates	MI-FW-QLDC					NA	
Organics (GC)	W-PSNP-TQ			Ice	*2.0 ml of H2SO4 Used Unless Noted Otherwise **2.0 ml of HNO3 Used Unless Noted Otherwise		
Molecular							
Periphyton							
Phytoplankton							
BOD							
DOC					SyringeLot#		FilterLot#
Other(s)							
Field Comments:	/ SCI Collection Time: 1030						
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.						
Relinquish Date:	04/24/2023	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 Jackson Springs Branch at Pineville Road

Date: 04/24/2023

WIN ID G5NW0012

Field ID G5NW0012

Project: SMP / TMDL Studies

Visit ID 86585

RQ: 2023-04-24-19

RPS ID 10089

LIMS ID: 2403199

Macro ID N/A

WBID: 228

HA ID 18299

☒ SCI

☐ RPS/LVS Only

☒ Sample Site Created in SBIO

☒ Phys/Chem in SBIO Initial FB

☒ Date and Initial QA: 5/10/23 NM

☒ HA entered in SBIO Initial FB

☒ Date and Initial QA: 5/10/23 NM

☒ RPS entered in SBIO Initial FB

☒ Date and Initial QA: 5/10/23 NM

☐ LVS entered in SBIO Initial N/A

☐ Date and Initial QA: _____

☒ < 2 m² vegetation

☐ Plants getting verified

Date submitted: _____

☐ Plants verified

Date returned: _____

☒ RPS authorized in SBIO

☒ Date and Initial: 5/10/23

☒ RPS score: 0

☐ Macro authorized in SBIO

☐ Date and Initial: _____

☐ LVS Score: _____

☒ SCI complete: M. Henn 7/19/23

SCI Score: 46

☒ 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 Jacksons Branch ORG ID 21FLPNS LATITUDE 30.79527
 COUNTY Escambia WIN ID/STORET # G5NW0012 LONGITUDE -87.55262
 DATE 4/24/23 TIME 930 CTZ _____ SAMPLING AGENCY FL DEP - NWROC
 SITE NAME Jackson Springs Branch RQ-2023-04-24-19
 FIELD ID/NAME _____ RECEIVING BODY OF WATER _____ WBID 228 Project: SMP

RIPARIAN ZONE / STREAM FEATURES

WBID:

LIMS ID:

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) N/A
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy				Typical Width (m) Depth (m)/Velocity (m/sec) Transect @ 10m ☐ 0.35 m wide				
Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy								
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank : ☐ 716 Right Bank : ☐ 716				Hydrologic Modification Score (per FT 3101) ☐ 1-2				
High Water Mark: ☐ 1.58 + ☐ 1.3 = ☐ 1.8 (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>☐ 4.4</td> <td>☐ 7</td> <td>☐</td> </tr> <tr> <td>Undercut Banks / Roots</td> <td>☐ .7</td> <td>☐ 2</td> <td>☐</td> </tr> <tr> <td>Leaf Packs or Mat</td> <td>☐ 1.5</td> <td>☐ 7</td> <td>☐</td> </tr> <tr> <td>Aquatic Vegetation</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Rock or Shell Rubble..</td> <td>☐ 56</td> <td>☐ 2</td> <td>☐</td> </tr> <tr> <td>Sand.....</td> <td>☐ 37</td> <td>☐ 2</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)	☐ 4.4	☐ 7	☐	Undercut Banks / Roots	☐ .7	☐ 2	☐	Leaf Packs or Mat	☐ 1.5	☐ 7	☐	Aquatic Vegetation	☐	☐	☐	Rock or Shell Rubble..	☐ 56	☐ 2	☐	Sand.....	☐ 37	☐ 2	☐	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>☐ .08</td> <td>☐ 16.6</td> <td>☐ 4.65</td> <td>☐ 9.6</td> <td>☐ 98.7</td> <td>☐ 15.1</td> <td>☐ 2.01</td> <td>☐ 0.16</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>trerd 451</u>				Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top :	☐ .08	☐ 16.6	☐ 4.65	☐ 9.6	☐ 98.7	☐ 15.1	☐ 2.01	☐ 0.16	Mid:	☐	☐	☐	☐	☐	☐	☐	☒ VOB	Bottom	☐	☐	☐	☐	☐	☐	☐	☐
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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>A. Mally</u> Stophor Slade			SIGNATURE : <u>A. Mally</u>		DATE : <u>4/24/23</u>																																																																												

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

Snag	5
Root	1
LP	3, 2
Plant	
OTR	
Snag	2
Root	
LP	3
Plant	
OTR	
Snag	3, 2, 1
Root	
LP	4, 5
Plant	
OTR	
Snag	
Root	5
LP	4
Plant	
OTR	
Snag	1, 2, 3
Root	2
LP	3, 1
Plant	
OTR	
Snag	8
Root	1, 2, 1, 1
LP	5
Plant	
OTR	
Snag	1, 1, 1
Root	1
LP	1, 1, 1
Plant	
OTR	
Snag	3, 2
Root	
LP	5, 1, 1
Plant	
OTR	
Snag	1, 1, 1
Root	
LP	1, 1, 1, 1
Plant	
OTR	
Snag	8, 1, 6
Root	2, 1, 1
LP	2, 1
Plant	
OTR	

Downstream

100 m Long

$$\begin{array}{r} 1 \\ 2.5 \\ .3 \\ \hline 2.8 \\ 1.5 \\ \times 2 \\ \hline 3 \\ \times 2 \\ \hline 6 \\ \times 9 \\ \hline 54 \end{array}$$

*all leafs are magnolia

SBIO ID 86585

0-10 meter [A]	Habitat Area (M)	Left Bank	Right Bank
	Snag 2.0	Bankfull	Bankfull
0m width (m) 2.5	Root .3		
10m width 2.5	Leaf .3	Slope	Slope
Avg. Depth .2	Veg		
Max Depth .4	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

10-20 meter [B]	Habitat Area (M)	Left Bank	Right Bank
	Snag .2	Bankfull	Bankfull
20m width 2.0	Root		
	Leaf .3	Slope	Slope
Avg. Depth .2	Veg		
Max Depth .4	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

20-30 meter [C]	Habitat Area (M)	Left Bank	Right Bank
	Snag .5	Bankfull	Bankfull
30m width 2.0	Root .2		
	Leaf .6	Slope	Slope
Avg. Depth .3	Veg		
Max Depth .5	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

30-40 meter [D]	Habitat Area (M)	Left Bank	Right Bank
	Snag .2	Bankfull	Bankfull
40m width 1.5	Root .1		
	Leaf .2	Slope	Slope
Avg. Depth .1	Veg		
Max Depth .3	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

40 - 50 meter [E]	Habitat Area (M)	Left Bank	Right Bank
	Snag .7	Bankfull	Bankfull
50m width 4.5	Root .3		
	Leaf .3	Slope	Slope
Avg. Depth .2	Veg		
Max Depth .6	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

50-60 meter [F]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.4	Bankfull	Bankfull
60m width 1.5	Root .2		
	Leaf .1	Slope	Slope
Avg. Depth .2	Veg		
Max Depth .4	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

60-70 meter [G]	Habitat Area (M)	Left Bank	Right Bank
	Snag	Bankfull	Bankfull
70m width 3.5	Root .3		
	Leaf .1	Slope	Slope
Avg. Depth .1	Veg		
Max Depth .6	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

70-80 meter [H]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.4	Bankfull	Bankfull
80m width 1.5	Root		
	Leaf .6	Slope	Slope
Avg. Depth .1	Veg		
Max Depth .6	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

80-90 meter [I]	Habitat Area (M)	Left Bank	Right Bank
	Snag .2	Bankfull	Bankfull
90m width 3	Root		
	Leaf .3	Slope	Slope
Avg. Depth .1	Veg		
Max Depth .3	Gravel	Veg +	Veg +
Rip. Buff L 718	Rock		
Rip. Buff R 718	Other	Other	

90 - 100 meter [J]	Habitat Area (M)	Left Bank	Right Bank
	Snag .3	Bankfull	Bankfull
100m width	Root .1		
	Leaf .5	Slope	Slope
Avg. Depth	Veg		
Max Depth	Gravel	Veg	Veg
Rip. Buff L	Rock		
Rip. Buff R	Other	Other	

Station Name

Jackson Springs Branch

Storet: G5NW0012

Date 04/24/2023

0 meter (Dec Deg)

100 meter (Dec Deg)

Water Quality Measured at

Stream Velocity and location.

m/s meter mark

Number of Pools & Location

High Water:

Silt smothering @

Sand Smothering @

Algae Smothering @

Degraded Banks @

Fe/Sulfur Bact. @

Total Habitat	Sq. Meters	Percent
Snags	11	44
Roots	1.37	.07
Leaf	3.8	1.5
Veg		
Rock		
Gravel		
Sand		
Other		
Sum 1° Habitat		

Avg. Depth	Max. Depth	Avg. Width

Bank Stability Score. Left Bank _____ Right Bank _____ Category Left Bk _____ Right Bk _____
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.

2.5
2.50

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

SAMPLING AGENCY: DEAR-NWROC. 21FLPNS		STORET STATION NUMBER: <u>G5NW0012</u>	DATE (MM/DD/YYYY): <u>4/24/23</u>	RECEIVING BODY OF WATER: <u>Perdid o</u>
REMARKS:	COUNTY: <u>Escambia</u>	LOCATION: <u>Jackson Springs Branch</u>	FIELD ID/NAME: <u>G5NW0012</u>	
WBID <u>228</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>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>6</u>	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 <u>6</u>	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>20</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 <u>20</u> 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 <u>11</u> ----- Primary Score <u>46</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 12 <u>11</u>	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>14</u>	20 19 18 17 16	15 <u>14</u> 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 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 root zone with raw, eroded areas.
Right Bank <u>1</u> Left Bank <u>1</u>	10 9	8 7 6	5 4	3 2 <u>1</u>
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>8</u> Left Bank <u>8</u> ----- Secondary Score <u>52</u>	10 9	<u>8</u> 7 6	5 4	3 2 1

98

TOTAL SCORE

Date: <u>4/24/23</u>	Analyst: <u>L. McNally</u>	Signature: <u>L. McNally</u>
----------------------	----------------------------	------------------------------

SBIO ID: 86585
62-160.800, F.A.C.

HA ID: 18299

Revision Date: March 1, 2014

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Jackson Springs Branch County: Escambia Date: 4/24/23 Investigators: L McNally

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					5				63
	6					6				
	7					7				
	8					8				
	9					9				
10	1	N			70	1	N			
	2					2				
	3					3				
	4					4				
	5					5				99
	6					6				
	7					7				
	8					8				
	9					9				
20	1	N			80	1	N			
	2					2				
	3					3				
	4					4				
	5					5				53
	6					6				
	7					7				
	8					8				
	9					9				
30	1	N			90	1	N			
	2					2				
	3					3				
	4					4				
	5					5				99
	6					6				
	7					7				
	8					8				
	9					9				
40	1	N			100	1	N			
	2					2				
	3					3				
	4					4				
	5					5				80
	6					6				
	7					7				
	8					8				
	9					9				
50	1	N				1	N			
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8					8				
	9					9				

STORET Station Number:
G5NW0012

Secchi depth
Estimated?

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

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample

RQ-2023-04-24-19

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

SBIO Visit ID.
86585

RPS ID.
10089

RPS Score: 0

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%.

