



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PLAN FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: G3NW0171^{FB} Bay Branch upstream of HWY 331 **Date:** 11/3/2021

WIN/Field ID: G3NW0171 **WBID:** 350 **ENR:** **Latitude:** 30.67828

County: WALTON **Org ID:** 21FLPNS **Longitude:** -86.12382

Receiving Body of Water: Choctawhatchee River **RQ:** 2021-07-26-28

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Lauren McNally	x		x		
☒	Frank Butera		x		x	x
☒	Stopher Slade		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# <u>154179 (PRODSS)</u>	
Photos: ☒ Yes ☐ No FB	Flow: <u>FLOW</u>	Tide: <u>N/A</u>	Tide Times: High: _____ Low: _____
Biological Samples Collected: ☐ None ☒ HA ☒ SCI ☒ RPS ☐ Algae ID ☒ LVS ☐ LVI Other: _____			
SBIO ID Numbers: SBIO Visit ID <u>83424</u> HA ID <u>17076</u> RPS ID <u>9793</u> BenthID <u>45405</u>			
Notes: < 2 M vegetation; LVS not appropriate			

Duplicate Sample

Time Zone: <u>CEN</u>	Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____		

Blank

Time Zone: _____	Time: _____	Field ID: _____ (Blank Type_DDDMMYYYY)
DI Source: _____	Location: _____	
DI Type: _____	Equipment ID: _____	
DI Container (Name/ID): _____		DI Container Type: _____

LIMS EVENT ID: 2288318 WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets FB / 11/04/2021 Migrate Data to WIN: _____ Verify Data In WIN: _____
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-07-26-28

Customer: WQAP

Project ID: SMP

Collected By: Lauren McNally, Frank Butera, Stopher Slade

Field Report Prepared By: Lauren McNally

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3NW0171

Location: G3NW0171

Comments: Microbiology sample(s) submitted to contract laboratory

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)
	926 CEN	7.88	78.5	15.4	5.55	0.23	0.46 ☒ VOB (S)	0.46	31.3	0.01
11/3/2021										
	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 #	0353110	Exp:		1/4/22				
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A
		Lot #	0344060	Exp:		1/11/22				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #	17236199							
		Syringe Lot #	1005533							
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC	Formalin Lot #	-00		☒ Formalin			3	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				
Pesticides (BG-500ML) (BG-1L)		☒ W-E8321-DI	☒ WE8321-MS	☒ W-PSNP-TQ	W-CT-CL-R	☒ Ice			5	A
Phytoplankton/Periphyton		W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
		DTY-QN-C PKD-QN-BV								
Name: Lauren McNally Frank Butera					Signature:				Date: 11/03/2021	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

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

SAMPLE ID 83424 ORG ID 21FLPNS LATITUDE 30.67756
 COUNTY Walton WIN ID/STORET # G3NW0171 LONGITUDE 86.12316
 DATE 11/3/2021 TIME 9:26 CTZ SAMPLING AGENCY FL DEP - NWROC
 SITE NAME Bay Branch Upstream 331 Choctawhatchee RQ- 2021-07-26-28
 FIELD ID/NAME G3NW0171 RECEIVING BODY OF WATER River WBID 350 Project: SMP / TMOE studies

RIPARIAN ZONE / STREAM FEATURES

LIMS ID: 2288318

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>45m</u> <u>1.5</u> m wide <u>.25</u> m/s <u>.25</u> m/s <u>—</u> m/s
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>218</u> Right Bank: <u>718</u>			Hydrologic Modification Score (per FT 3101) <u>1-2</u>				
High Water Mark: <u>1.4</u> + <u>0.7</u> = <u>2.1</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 INVERT # Times Sampled PERI # Times Sampled Woody Debris (Snags) <u>171</u> <u>44.5</u> <u>5</u> Undercut Banks / Roots <u>1.8</u> <u>5</u> Leaf Packs or Mat <u>1.0</u> <u>5</u> Aquatic Vegetation <u>0.1</u> <u>1</u> Rock or Shell Rubble <u></u> <u></u> Sand <u>80.1</u> <u>4</u> Mud / Muck / Silt <u></u> <u></u> Other <u></u> <u></u> Other <u></u> <u></u>			WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M) Top: <u>0.23</u> <u>15.4</u> <u>5.55</u> <u>7.88</u> <u>78.5</u> <u>31.3</u> <u>0.01</u> <u>0.46</u> Mid: <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> Bottom: <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> Meter ID: <u>154179</u> TOTAL DEPTH <u>0.46</u>		
Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐			Water Surface Oils Normal ☒ Sheen ☐ Globbs ☐ 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: ☐ ☒ ☐ ☐ Iron/Sulfur Bacteria: ☐ ☐ ☒ ☐			System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐		
AMBIENT FIELD CONDITIONS / NOTES: <u>< 2m² Veg. No LVS</u> ☒ The antecedent hydrologic conditions have been met to my best knowledge.					

SAMPLING TEAM: Frank Butler, Stephen Slade, L. McNally SIGNATURE: [Signature] DATE: 11/3/2021

(Horizontal scale is double vertical scale, draw proportionately).

WIN ID:

0 m

100 m Latt
30.67798
86.12376
100 m Long

Bay Branch

0-10 meter [A]	Habitat Area (M)	Left Bank	Right Bank
	Snag 4.0	Bankfull	Bankfull
0m width (m) 3.0	Root 1.5	+	+
10m width 1.5	Leaf 1.0	Slope	Slope
Avg. Depth 0.3	Veg -		
Max Depth 1.7	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other P Si	Other Fe	

10-20 meter [B]	Habitat Area (M)	Left Bank	Right Bank
	Snag 6	Bankfull	Bankfull
20m width 2.0	Root 1.5	-	-
	Leaf 0.4	Slope	Slope
Avg. Depth 0.3	Veg -	+	+
Max Depth 1.4	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si Si	Other A Fe	

20-30 meter [C]	Habitat Area (M)	Left Bank	Right Bank
	Snag 4	Bankfull	Bankfull
30m width 2.0	Root 1.0	+	+
	Leaf 0.1	Slope	Slope
Avg. Depth 0.2	Veg -	+	+
Max Depth 1.3	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si A	Other	

30-40 meter [D]	Habitat Area (M)	Left Bank	Right Bank
	Snag 2.0	Bankfull	Bankfull
40m width 2.0	Root 0.1	-	+
	Leaf 0.1	Slope	Slope
Avg. Depth 0.3	Veg -	+	+
Max Depth 0.4	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -	+	-
Rip. Buff R 7.0	Other Si Si	Other E	

40 - 50 meter [E]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.0	Bankfull	Bankfull
50m width 2.0	Root 1.2	+	+
	Leaf 0.1	Slope	Slope
Avg. Depth 0.2	Veg -	+	+
Max Depth 1.3	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si Fe	Other E Si	

50-60 meter [F]	Habitat Area (M)	Left Bank	Right Bank
	Snag 4.5	Bankfull	Bankfull
60m width 3.5	Root 0.3	+	-
	Leaf 0.1	Slope	Slope
Avg. Depth 0.3	Veg -	+	+
Max Depth 0.4	Gravel -	Veg -	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other E Si	Other E Si	

60-70 meter [G]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.0	Bankfull	Bankfull
70m width 3.0	Root 0.4	+	-
	Leaf 0.1	Slope	Slope
Avg. Depth 0.3	Veg 0.1	+	-
Max Depth 0.6	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Fe Si	Other E Si	

70-80 meter [H]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.0	Bankfull	Bankfull
80m width 3.0	Root 0.1	+	-
	Leaf 0.1	Slope	Slope
Avg. Depth 0.4	Veg -	+	+
Max Depth 0.6	Gravel -	Veg +	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si	Other	

80-90 meter [I]	Habitat Area (M)	Left Bank	Right Bank
	Snag 3.0	Bankfull	Bankfull
90m width 3.0	Root -	+	+
	Leaf -	Slope	Slope
Avg. Depth 0.3	Veg 0.1	+	+
Max Depth 0.3	Gravel -	Veg -	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si	Other Si	

90 - 100 meter [J]	Habitat Area (M)	Left Bank	Right Bank
	Snag 1.0	Bankfull	Bankfull
100m width 3.0	Root 0.5	+	-
	Leaf 0.5	Slope	Slope
Avg. Depth 0.3	Veg -	+	+
Max Depth 0.6	Gravel -	Veg -	Veg +
Rip. Buff L 7.0	Rock -		
Rip. Buff R 7.0	Other Si Fe	Other Fe	

Storet: G3NW017H

Date

11/3/2021

0 meter (Dec Deg)

30.67756

86.12316

100 meter (Dec Deg)

30.67756

86.12376

Water Quality Measured at

Stream Velocity and location.

25 m/s 45 meter mark

Number of Pools & Location

X3

High Water: 1.0

Silt smothering @

A-J

Sand Smothering @

B, D, F, G, I, J

Algae Smothering @

B, C

Degraded Banks @

D, F, G

Fe/Sulfur Bact. @

A, B, E, G, J

Total Habitat	Sq. Meters	Percent
Snags	44.5	17.1
Roots	4.6	1.8
Leaf	2.7	1.0
Veg	0.2	0.1
Rock		
Gravel		
Sand	208.2	80.1
Other		
Sum 1° Habitat		20.0

Avg. Depth	Max. Depth	Avg. Width
0.3	0.7	2.0

Bank Stability Score. Left Bank 25 Right Bank 20 Category Left Bk Sub-Optimal Right Bk Sub-Optimal
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.

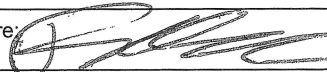
DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY: 21FLPNS		STORET STATION NUMBER: <u>G3NW0171</u>	DATE (MM/DD/YY): <u>11/03/21</u>	RECEIVING BODY OF WATER: <u>Choctawhatchee R</u>
REMARKS: WBID <u>354</u>	COUNTY: <u>Walton</u>	<u>Bay Branch</u>		FIELD ID/NAME: <u>G3NW0171</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>12</u>	20 19 18 17 16	15 14 13 <u>12</u> 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>13</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 <u>13</u> 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>11</u> ----- Primary Score <u>51</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>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 Right Bank <u>7</u> Left Bank <u>8</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 9	Only meets 2 of the 3 requirements for optimal bank stability. <u>8</u> <u>7</u> 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 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 <u>10</u> Left Bank <u>9</u> ----- Secondary Score <u>73</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. <u>Excl</u> 10 <u>9</u>	>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

124

TOTAL SCORE

Date: <u>11/03/2021</u>	Analyst: <u>Frank Butera</u>	Signature: 
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SBIO ID: 93424

HA ID: 17476

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Bay Branch County: Walton Date: 11/3/21 Investigators: J.S. Slade

STORET Station Number: G3NW0171

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			91		5			96	
	6					6				
	7					7				
	8					8				
	9	N				9	N			
10	1	N			70	1	N			
	2					2				
	3					3				
	4					4				
	5			94		5			94	
	6					6				
	7					7				
	8					8				
	9	N				9	N			
20	1	N			80	1	N			
	2					2				
	3					3				
	4					4				
	5			90		5			90	
	6					6				
	7					7				
	8					8				
	9	N				9	N			
30	1	N			90	1	N			
	2					2				
	3					3				
	4					4				
	5			95		5			93	
	6					6				
	7					7				
	8					8				
	9	N				9	N			
40	1	N			100	1	N			
	2					2				
	3					3				
	4					4				
	5			93		5			96	
	6					6				
	7					7				
	8					8				
	9	N				9	N			
50	1	N				1	N			
	2					2				
	3					3				
	4					4				
	5			90		5				
	6					6				
	7					7				
	8					8				
	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%.

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- 2021-97-26-28

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.
83424

RPSID 9793

Station: Bay Branch Upstream of H Storet G3NW0171
Sample Date: 11/03/2021 GPS 30.67756 x 86.12316
SBIO ID 83424 RQ-2021-07-26-28
Project: SMP / TMDL Studies County: Walton

LIMS ID 22883818
WBID 350
Benth ID 45405

Variable Name	Rep 1	Rep 2	Pooled
AmphipodPct	0	0	0
ChironPct	21.15	17.2	19.175
ChironTaxa	13	12	25
ClingerTaxa	7	8	15
ColeopteraPct	17.95	23.57	20.76
DecapodaPct	0	0	0
DipteraPct	25	19.11	22.055
DominantPct	16.67	15.29	15.98
Dominant Taxa	Chimarra	Cheumatopsyche	
EPTTaxa	9	9	18
EphemPct	7.05	10.83	8.94
EphemTaxa	5	4	9
FFBrowGrazPct	0	0.32	0.16
FFEpiColDepPct	27.88	31.53	29.705
FFParasitePct	0.32	0	0.16
FFPIPiercePct	0	0	0
FFPredCarnPct	7.05	2.87	4.96
FFScavPct	0	0.32	0.16
FFScrapePct	8.97	12.1	10.535
FFShredPct	12.5	10.19	11.345
FFSubColDepPct	0	0.64	0.32
FFSuspFiltPct	43.27	41.4	42.335
FFUnknownPct	0	0.64	0.32
GastropodaPct	0.64	0	0.32
IsopodaPct	0	0.64	0.32
LongLivedTaxa	1	0	1
OdonataPct	1.92	1.27	1.595
OligocPct	0	0.64	0.32
OligocTaxa	0	1	1
PelecypodaPct	10.9	11.46	11.18
PlecoPct	0	0	0
PolychaetePct	0	0	0
PolychaeteTaxa	0	0	0
SCI_2012_Rep	65.60365	64.75925909	65.18146
SensitiveTaxa	14	13	27
TanytarsiniPct	2.56	2.55	2.555
TotalDBar	0	0	0
TotalDensity	0	0	0
TotalNind	156	157	313
TotalTaxa	36	32	68
TrichopPct	35.26	32.48	33.87
TrichopTaxa	4	5	9
TrombidPct	0.64	0	0.32
VeryTolerantPct	1.28	0	0.64

SCI 2012	65
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