

Site Name Collins Mullcreek
Field ID 64W0507 Storet 64NW0507
Visit ID 81993
RPS ID 9687
VPDB ID N/A
HA ID 16792

Date: 3/31/2021
Project: Smp
RQ: 2021-02-20-14
LIMS ID: 2235612
WBD: 2446
24AC

☐ LVI

☐ RPS/LVS Only

☐ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB

☒ RPS entered in SBIO Initial FB

☐ LVI entered in SBIO Initial _____

☒ Date and Initial QA: DL 4/18/21

☒ Date and Initial QA: DL 4/18/21

☐ Date and Initial QA: _____

☒ < 2 m² vegetation

☐ Plants getting verified

Date submitted: _____

☐ Plants verified

Date returned: _____

☒ RPS authorized in SBIO

☒ RPS score: Dr. d

☐ VPDB authorized in SBIO

☐ VPDB score: _____

☒ SCI complete: TRsk

6/24/2021

☒ Date and Initial: DS 4/12/2021

☐ Date and Initial: _____

SCI Score: 23

RIPARIAN ZONE / STREAM FEATURES

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

SEDIMENT / SUBSTRATE

SAMPLING TEAM: *Nathan M. K... Bette ...*

SIGNATURE : _____

DATE: *2/3/12*

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

SAMPLING AGENCY: <u>FD EP AN/ROC</u>		STORET STATION NUMBER: <u>6HW0807</u>	DATE (MM/DD/YYYY): <u>03/13/12</u>	RECEIVING BODY OF WATER: <u>Blackwater River</u>
REMARKS: <u>16792</u>	COUNTY: <u>Santa Rosa</u>	LOCATION: <u>Collins M:11 Creek</u>		
WBID <u>24AC</u>	FIELD ID/NAME: <u>6HW0807</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>6</u>	20 19 18 17 16 Greater than 30% major productive habitat present at site	15 14 13 12 11 16% to 30% major productive habitat, by aerial extent	10 9 8 7 6 6% to 15% major productive habitat	5 4 3 2 1 Less than 5% major productive habitat
Substrate Availability <u>6</u>	20 19 18 17 16 Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec	15 14 13 12 11 Max. observed at typical transect: > 0.1 to 0.25 m/sec	10 9 8 7 6 Max. observed at typical transect: 0.05 to 0.1 m/sec	5 4 3 2 1 Max. observed at typical transect: < 0.05 m/sec, or spate occurring: > 1 m/sec
Water Velocity <u>4</u>	20 19 18 17 16 ≥ 0.33 0.31 0.29 0.27 > 0.25	15 14 13 12 11 0.25 0.21 0.17 0.13 > 0.1	10 9 8 7 6 0.1 0.09 0.07 0.06 0.05	5 4 3 2 1 < 0.05 0.04 0.03 0.01 < 0.01
Habitat Smothering <u>2</u> Primary Score <u>18</u>	Adequate number of stable pools (1-2 per 12 times width) and < 25% of habitats affected by sand, silt, or algae.	Adequate number of stable pools (1-2 per 12 times width) and > 25% of habitats affected by sand, silt, or algae.	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (< 2 x prevailing depth).	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation.
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>3</u>	20 19 18 17 16 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.	15 14 13 12 11 Only meets 2 of the 3 requirements for optimal bank stability.	10 9 8 7 6 Only meets 1 of the 3 requirements for optimal bank stability.	5 4 3 2 1 Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.
Bank Stability <u>2</u> Right Bank <u>7</u> Left Bank	20 19 18 17 16 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.	15 14 13 12 11 Only meets 2 of the 3 requirements for optimal bank stability.	10 9 8 7 6 Only meets 1 of the 3 requirements for optimal bank stability.	5 4 3 2 1 Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.
Riparian Buffer Zone Width <u>9</u> Right Bank <u>3</u> Left Bank	10 9 Width of vegetation greater than 18 m	8 7 6 Width of vegetation > 12 to 18m	5 4 Width of vegetation 6 to 12 m. human activities close to system	3 2 1 Less than 6 m of buffer zone due to intensive human activities
Riparian Zone Vegetation Quality <u>8</u> Right Bank <u>4</u> Left Bank	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).
..... Secondary Score <u>41</u>	10 9	8 7 6	5 4	3 2 1

TOTAL SCORE

59

Date: <u>3/13/12</u>	Analyst: <u>Nathan M. Kelly</u>	Signature: <u>Nathan M. Kelly</u>
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SBIO ID: 81993

HA ID: 16792

62-160.800, F.A.C.

Revision Date: March 1, 2014

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).

WIN ID <u>G4WWD507</u>	Substrates: Code key, draw proportionate habitat abundance. <u>20%</u> <u>2%</u> <u>70%</u> <u>4.3%</u>
☒ Snags	Roots/undercut banks
☒ Leaf Packs (or mats) <u>20%</u>	Macrophytes
☐	
☐	
☐	
☐	
Velocity: <u>0.07</u>	Note where velocity measures were taken. <u>50</u> m
Habitat Smothering:	Note areas (on map) where sand or silt is something substrates, limiting habitability. <u>Smothering from</u>
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 <u>7</u> m	Average depth <u>0.9</u> m
WQ & chemistry taken @ <u>0</u> m	

Little Black Creek upstream
of Black Creek
Project. SMP / TMDL Studies
Sampled By/Date: 3/31/21

0 m Latt. 30.6281

0 m Long. 87.03861

100 m Latt 30.62587

100 m Long

Downstream

Left Bank

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: <i>Collias Mill Creek</i>		County: <i>Santa Rosa</i>	Date: <i>3/3/21</i>	Investigators: <i>Nathan Miller / Meranda Butler</i>	
Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	STORET Station Number: <i>64NW0507</i>
0	1	N	X		RPS ID: <i>9687</i>
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
10	1	N			# points ranked 4-6 total points assessed % points ranked 4-6
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
20	1	N			Check accompanying data collected at same site/date.
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
30	1	N			Algal mat sample Linear Veg Survey Habitat Assessment SCI/Biorecon Water sample
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
40	1	N			RQ- <i>2021-02-22-14</i>
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
50	1	N			Algal Thickness Rank
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

Algal Thickness Rank	N	rough, no algae, slimy, algae up to 1mm	>1mm - 6mm	>6mm - 20mm	>20mm - 10 cm	>10 cm
3						
4						
5						
6						

SBIO ID 81993
RPS ID 9684

Waterbody: 11	Date: 3/3/21	County: Santa Rosa	Storet Number: 6410807
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Waterbody: <i>North M. River</i>	Date: <i>3/3/21</i>	County: <i>Santa Rosa</i>	Storet Number: <i>64105057</i>
Analyst: <i>North M. River</i>		Signature: <i>[Signature]</i>	

Analyst: Nathan M. Kelly
Comments: 2nd SH

Comments: *2007-11-15*

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in 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.

[illegible]

Field ID:	G4NW0507	RPS ID	9687	SBIO ID	81993	VPDB ID	N/A
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LIMS ID 2235612
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