SAMPLE SITE HABITAT DESCRIPTION

Riffle 1

UTM CRID _____

WATERSHED CODE _____ STREAM NAME Nathan

SITE Riffle 1 DATE Oct 3 2022

HYDRAULIC TYPE R MSTM. OR SIDECH. _____ MAP GRADIENT _____

FIELD GRADIENT _____ SAMPLE WIDTH _____ STREAM WIDTH 6.7

CHANNEL WIDTH 12.5 MEAN DEPTH 0.10 MAX. DEPTH 0.21

MEAN VELOCITY _____ MAX. VELOCITY _____ D/V METHOD Zeiffer

STREAM STAGE L TURBIDITY N/A

TEMPERATURE 14.6 TIME 1:58

COVER COMPONENTS

	LOG	BOULDER	IN. VEG.	OVER VEG.	OUTBANK
%	0	95	5	0	0

SUBSTRATE BREAKDOWN

	FINES	SMALL GRAVEL	LARGE GRAVEL	COBBLE	BOULDER	BEDROCK
%	—	10	60	20	10	—

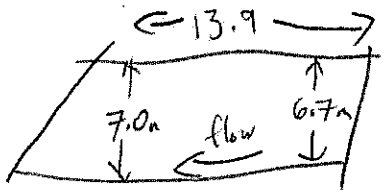
SUBSTRATE COMPACTION L SAND —

d90 48 cm CONDUCTIVITY _____ µS/cm

dmax 68 cm

SLIDE OR PRINT NO'S _____

COMMENTS



Sean — Landowner active grazing
active bank erosion

STREAM TRANSECT DATA

UTM CODE _____

WATERSHED CODE _____ STREAM NAME _____

SITE REFERENCE _____ DATE _____

TRANSECT NO. _____

REACH _____ EST. DISCHARGE _____

HYDRAULIC TYPE _____ MAIN/SIDE CHANNEL _____

TRANSECT TYPE _____ METERED/ESTIMATED _____ MEAN/SURFACE _____

STREAM WIDTH _____ TRANSECT WIDTH _____ SITE WIDTH _____

NO. OF STATIONS _____

TRANSECT DATA (IN METRIC)

LENGTH	DEPTH	VELOCITY	LENGHT	DEPTH	VELOCITY

Stream: Nathan Creek Site: Reach 1 Date: Oct 3/22

Method: electrofishing Enclosure: total Area (m2): _____ Length: _____

	COHO	CUTTHR		COHO	CUTTHR
30			70		
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
40			80		
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
50			90		
1	1		1		
2	II		2		
3			3		
4			4		
5	1		5		
6	II		6		
7			7		
8			8		
9			9		
60			100		
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7	1		7		
8			8		
9			9		

110		
1	Stickle	weight (g)
2	50	
3		
4	RBT	
5	87	7.1
6		
7		
8		
9		
120	COHO	weight g
1	56	1.5
2	54	2.9
3	55	1.7
4	52	2.5
5	54	2.0
6	51	1.9
7	52	1.8
8	60	3.2
9	59	4.1
10	56	2.2
11	55	2.3
12	61	2.9
13	56	3.1
14	61	2.6
15	55	2.4
16	54	1.8
17	47	1.2
18	54	1.7
19	57	2.5
20	57	1.4
21	56	1.9
22	50	1.6
23	54	2.3
24	60	2.7
25	55	2.2
26	48	1.4
27	52	1.9
28	78	5.4
29	52	1.8
30	57	2.0

CUT	weight g
65	3.6
63	3.4
64	4.7
64	4.2
52	2.9
81	8.8
64	3.0
62	2.6
71	3.8
53	1.7
59	2.2
71	6.7
57	4.2
64	3.5
65	2.9
66	3.4
70	4.2
60	2.6
61	2.9
64	2.6
69	3.5
71	3.6
65	2.9
50	1.7
64	3.5
73	4.3
64	2.9
62	2.6
62	2.9
63	3.0

electrofisher seconds: 511

C2 Stream: Nathan Creek Site: Riffle 1 Date: Oct 3/22

Method: electrofishing Enclosure: total Area (m2): _____ Length: _____

	COHO	CUTTHR		COHO	CUTTHR		LAMP	
30			70			30	Bomb	
1			1			1		
2			2			2		
3			3			3		
4			4		1	4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
40			80			40		
1			1			1		
2			2			2		
3	III		3			3		
4			4			4		
5			5			5		
6			6			6		
7	I		7			7		
8	I		8			8		
9			9			9		
50	I		90		I	50		
1	II		1			1		
2	III		2			2		
3			3			3		
4	II		4			4		
5	I	I	5			5		
6	II	I	6			6		
7		I	7			7		
8	I	I	8			8		
9	I	II	9			9		
60		II	100			60		
1	I	II	1			1		
2			2			2		
3	I	I	3			3		
4		II	4			4		
5		I	5			5		
6			6			6		
7	I	I	7			7		
8	I	I	8			8		
9			9			9		
						70		

519 secs

519 seconds electrofisher.

C3

Stream: Nathan Creek Site: Riffle 1 Date: Oct. 3/22

Method: electrofishing Enclosure: total Area (m2): _____ Length: _____

	coho	cutthr		coho	cutthr		Other	
30			70		1	30		
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
40			80			40		
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6		1	6		
7			7			7		
8			8			8		
9			9			9		
50			90			50		
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8	1		8			8		
9	1	1	9			9		
60			100			60		
1		1	1			1		
2		1	2			2		
3			3			3		
4		1	4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		

312 seconds

SAMPLE SITE HABITAT DESCRIPTION

UTM CRID _____

WATERSHED CODE _____ STREAM NAME _____

SITE _____ DATE _____

HYDRAULIC TYPE _____ MSTM. OR SIDECH. _____ MAP GRADIENT _____

FIELD GRADIENT _____ SAMPLE WIDTH _____ STREAM WIDTH _____

CHANNEL WIDTH _____ MEAN DEPTH _____ MAX. DEPTH _____

MEAN VELOCITY _____ MAX. VELOCITY _____ D/V METHOD _____

STREAM STAGE _____ TURBIDITY _____

TEMPERATURE _____ TIME _____

COVER COMPONENTS

	LOG	BOULDER	IN. VEG.	OVER VEG.	OUTBANK
%					

SUBSTRATE BREAKDOWN

	FINES	SMALL GRAVEL	LARGE GRAVEL	COBBLE	BOULDER	BEDROCK
%						

SUBSTRATE COMPACTION _____ SAND _____

d90 _____ cm CONDUCTIVITY _____ µS/cm

dmax _____ cm

SLIDE OR PRINT NO'S _____

COMMENTS

STREAM TRANSECT DATA

UTM CODE _____

WATERSHED CODE _____ STREAM NAME NATHAN CREEK

SITE REFERENCE _____ DATE OCT 3/22

TRANSECT NO. _____

REACH _____ EST. DISCHARGE _____

HYDRAULIC TYPE _____ MAIN/SIDE CHANNEL _____

TRANSECT TYPE _____ METERED/ESTIMATED _____ MEAN/SURFACE _____

STREAM WIDTH _____ TRANSECT WIDTH _____ SITE WIDTH _____

NO. OF STATIONS _____

TRANSECT DATA (IN METRIC)

	LENGTH cm	DEPTH cm	VELOCITY Revolutions	LENGHT	DEPTH	VELOCITY
~~total~~	542			2 pulses / rev		
1	50	4	4	→ 0.008		
2	185	6	43.25	→ 0.087		
3	310	7	51	→ 0.102		
4	445	2	005	→ 0.010		

Velocity = (n/p)/T

T = 20 sec

p = 4 cm

revolutions = pulses during period / pulses/revolution

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