

### STREAM TRANSECT DATA

UTM GRID \_\_\_\_\_  
WATERSHED CODE \_\_\_\_\_  
SITE Little 1 STREAM NAME Nathan  
DATE Oct 3, 2012

HYDRAULIC TYPE R MSTM. OR SIDECH.          MAP GRADIENT         

FIELD GRADIENT	SAMPLE WIDTH	STREAM WIDTH
CHANNEL WIDTH	MEAN DEPTH	MAX. DEPTH
MEAN VELOCITY		D/V METHOD
STREAM STAGE	TURBIDITY	
TEMPERATURE	TIME	

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

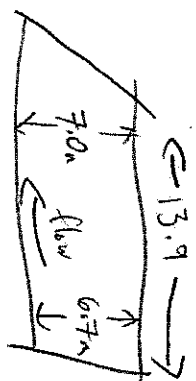
### SUBSTRATE BREAKDOWN

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

SUBSTRATE COMPACTION L SAND ---  
 d80 48 mm CONDUCTIVITY ---  $\mu\text{S/cm}$

SLIDE OR PRINT NO.'S \_\_\_\_\_

COMMENTS



Seal-Landowner active grazing but assembly

### STREAM TRANSECT DATA

UTM CODE	STREAM NAME
WATERSHED CODE	
SITE REFERENCE	DATE
TRANSECT NO.	

REACH

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EST. DISCHARGE

HYDRAULIC TYPE \_\_\_\_\_ MAIN/SIDE CHANNEL \_\_\_\_\_

TRANSECT TYPE	METERED/ESTIMATED	MEAN/SURFACE
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
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

The diagram illustrates a transect layout. A horizontal line represents the transect. Above the line, the text 'STREAM WIDTH' is positioned on the left, 'TRANSECT WIDTH' is in the center, and 'SITE WIDTH' is on the right. Below the line, there are three sets of dimension lines with arrows indicating measurements. The first set, under 'STREAM WIDTH', shows a measurement from the left edge to the center. The second set, under 'TRANSECT WIDTH', shows a measurement from the center to the right edge. The third set, under 'SITE WIDTH', shows a measurement from the left edge to the right edge.

NO. OF STATIONS

TRANSECT DATA (IN METRIC)

LENGTH	DEPTH	VELOCITY	LENGTH	DEPTH	VELOCITY
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[illegible]

u

COHO CUTTHR COHO CUTTHR

30		70		110	
1		1		1	Stickle weight (g)
2		2		2	50
3		3		3	
4		4		4	RBT
5		5		5	87
6		6		6	7.1
7		7		7	
8		8		8	
9		9		9	
40		80		120	Co40 weight (g)
1		1		1	56
2		2		2	54
3		3		3	55
4		4		4	52
5		5		5	54
6		6		6	51
7		7		7	52
8		8		8	60
9		9		9	59
50		90		10	56
1	/	1		11	55
2	//	2		12	61
3		3		13	56
4		4		14	61
5	/	5		15	55
6	//	6		16	54
7		7		17	47
8		8		18	54
9		9		19	57
60		100		20	57
1		1		21	56
2		2		22	50
3		3		23	54
4		4		24	60
5		5		25	55
6		6		26	48
7	/	7		27	52
8		8		28	78
9		9		29	52
				30	57

electrofischer seconds: 511

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

Method: electrofishing Enclosure: total Area (m2): \_\_\_\_\_ Length: \_\_\_\_\_

	COHO	CUTTHER	COHO	CUTTHER	LAMP	
30			70		30	long
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.

CS

Stream: Nathan Creek Site: Riffle 1 Date: Oct. 3/22Method: 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 GRID \_\_\_\_\_  
 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 \_\_\_\_\_ DIV METHOD \_\_\_\_\_  
 STREAM STAGE \_\_\_\_\_ TURBIDITY \_\_\_\_\_  
 TEMPERATURE \_\_\_\_\_ TIME \_\_\_\_\_

COVER COMPONENTS  
 LOG \_\_\_\_\_ BOULDER \_\_\_\_\_ IN. VEG. \_\_\_\_\_ OVER VEG. \_\_\_\_\_ OUTBANK \_\_\_\_\_  
 % \_\_\_\_\_

SUBSTRATE BREAKDOWN  
 SMALL GRAVEL \_\_\_\_\_ LARGE GRAVEL \_\_\_\_\_ COBBLE \_\_\_\_\_ BOULDER \_\_\_\_\_ BEDROCK \_\_\_\_\_  
 FINES \_\_\_\_\_  
 SUBSTRATE COMPACTION \_\_\_\_\_ SAND \_\_\_\_\_  
 d90 \_\_\_\_\_ cm \_\_\_\_\_ CONDUCTIVITY \_\_\_\_\_  $\mu$ S/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	DEPTH	VELOCITY	LENGTH	DEPTH	VELOCITY
cm	cm	Revolutions			
1 50	4	4	2 185	6	43.25 $\rightarrow$ 0.087
3 310	7	51	4 445	2	0.05 $\rightarrow$ 0.10
Total 1542					
2.84111 / rev					
$\rightarrow$ 0.008					
Velocity = $(n/p)/T$					
$T = 20 \text{ sec}$					
$p = 24 \text{ cm}$					
Revolutions = $\frac{\text{revolutions}}{\text{period}}$					
adjust revolution					