

## Advanced Stream Habitat Survey Field Data Sheet

(use a new data sheet for each reference site surveyed)

Module 2

Stream Name/Nearest Town: <i>STONEY CREEK - BURNABY</i>		Date <i>MARCH 2, 3, 2009</i>
Organization Name:		Watershed code <i>100-054300-56600</i>
Contact Name: <i>SCOTT DUCHERME</i>		Phone # <i>604 690-7474</i>
Crew Names: <i>TALBULL + DOIX</i>		Stream Segment #
		Stream Section # <i>2</i>
		Length Surveyed <i>510m</i>

### Upstream End Point

Mapsheets number	Type	Scale
Location (distance from known stream landmark, directions to benchmark) <i>. 55m upstream SIDE OF LOUGHEED CULVERTS.</i>		
Time: <i>2:00</i>	Weather	<input checked="" type="checkbox"/> <i>partly clear</i> • shower (1-2.5 cm in 24 hr) • snow <input type="checkbox"/> overcast • storm (<2.5 cm in 24 hr) • rain on snow
Water turbidity (cm visibility) <i>15cm</i>	Temperature °C (leave thermometer 2 min.) air <i>11°</i> water <i>8°</i>	
Measurements taken every <i>1.0</i> m		
Bankfull Channel width <i>9.3</i> (m)	Average depth <i>0.60</i> (m)	
Wetted Channel width <i>4.7</i> (m)	Average depth <i>0.18</i> (m)	

### Downstream End Point

Mapsheets number	Type	Scale
Location (distance from known stream landmark, directions to benchmark) <i>upstream side OF BEAVERBROOK PLACE BRIDGE CROSSING.</i>		
Time: <i>4:20</i>	Weather	<input type="checkbox"/> clear • <input checked="" type="checkbox"/> shower (1-2.5 cm in 24 hr) • snow <input checked="" type="checkbox"/> overcast • storm (<2.5 cm in 24 hr) • rain on snow
Water turbidity (cm visibility) <i>15cm</i>	Temperature °C (leave thermometer 2 min.) air <i>9°</i> water <i>7.5°</i>	
Measurements taken every <i>1.0</i> m		
Bankfull Channel width <i>5.2</i> (m)	Average depth <i>1.0</i> (m)	
Wetted Channel width <i>4.3</i> (m)	Average depth <i>0.19</i> (m)	

(Upstream) First and Last Measurements taken .1 m from streambank edge (Downstream)

Left Bank	m	.10	1.0	2.5		3.5	1.5	1.0	Right Bank
Wetted Depth	cm	20	17	14		32	15	8	Wetted Depth
Bankfull Depth	m	0.8	0.8	0.8		0.4	0.4	0.4	Bankfull Depth

Left Bank	m	.10	1.0	2.0		1.5	.7	1.0	Right Bank
Wetted Depth	cm	11	24	8		32	23	9	Wetted Depth
Bankfull Depth	m	1.1	0.9	1.6		0.6	0.6	1.2	Bankfull Depth

Take measurements every 0.5m in streams less than 5m wide, every 1m in streams 5 to 15m

SECT # 2 -

# Stream Reconnaissance Field Data Sheet

## Feature Information con't

## Module 1

Feature #	Photo #	m upstream of last feature	Feature Description and Size (see App. 3)	Stream-bank (L or R)	Adjacent Land Use *	Actions/Comments/ Water Quality Concerns
44. 30	64.	40m	TRIBUTARY BF = 1.4m WW = 0.60m Wd = .05m H2O = 8°	L	—	Flowing clear. - not suitable fish habitat. - length less than 10m.
45 31	67 68	17m	Garbage - Residential	R	U	- observe 1 CHUM FRY.
46 32	69 70	24m	Instream Crossing concrete substrate Length = 8m width = 3.6m	instream R-L	U	- Not a passage issue. - under Power Line.
47 33	71	77m	PEDESTRIAN Bridge crossing, "BENCHMARK"	R-L	—	- Located EAST OF Giamede Pl. - old Bridge structure Base left
48 34	72	57m	RESIDENTIAL Garbage	L	R	- Resident using Bank as Dump - Associated garbage
* Adjacent Land Use Codes: Undisturbed, Agriculture, Forestry, Residential, Parks, Commercial, Industrial						

General comments on this section of the stream

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## Module 1

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49. 35	73 74	21m	Drainage + Discharge. H <sub>2</sub> O = 8.5°C	L		Culvert AT top of Bank. - Flowing clear
50. 36	75	16m	- STORM DRAIN Box. Encroachment. - LACK OF RIPARIAN Veg.	R	- R	- BANK SLUMPING ↓ 1.5m x 3m ←
51. 37	76	9m	Artificial MODIFICATION Bank STABILIZATION ↓ 1.9m x 20m ←	R L	SEWER LINE u	- Concrete SLABS AND LOCK - Blocks.
52 38	77 78 79	13m	Drain Discharge - TILE - DIA = 10cm	L R	R u	- Residential Encroachment - Veg dumping down BANK.
53 38	80	68m	LACK OF Riparian Vegetation. length 10m	R	-	NOTE * * 308m to 682m NO AVAILABLE SPAWNING habitat for 374m, due to LACK OF proper Substrate mix

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54. 37	81	58m	Artificial modification Bank Enhancement - Rip Rap size = .5m to 1m - $\updownarrow$ 1.7m x 30m $\leftrightarrow$	R	-	- stable.
55. 40	82	13m	log Enhancement. DIA = .47m length = 37m.	R		- Secured into bank.
56. 41	83	19m	Enhancement - concrete Wier - $\updownarrow$ 65cm x 5.3m $\leftrightarrow$ - length = 50cm - plunge pool = 50cm	Instream	u	- passable
57. 42	84	49m	Enhancement - concrete Wier $\updownarrow$ 30cm x 5.2m $\leftrightarrow$ length = 1.0m plunge pool = 24cm.	Instream	u	- NO PASSAGE ISSUE.
58. 43	85 86	19m	Culvert Discharge $H_2O = 8.5^\circ C$ - out FALL = 90cm	R	u	- structural wings AND Apron = 1.5m $\leftrightarrow$ - gated
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General comments on this section of the stream

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59. 43	87	2m	Discharge - tile outfall = 60cm DIA = 20cm.	L  R	R  - road	- Dripping - heavy iron presence.
60. 44	88 89 91	4m	"BENCHMARK" BEAVERBROOK Bridge Crossing  ww = 10.2m wd = 17cm length = 18m.	R-L	road	- Lacking Veg AND BANK Stability under Bridge.
61 44	92	17m	Discharge Pipe 10cm tile Drain.  OUT FALL = 1.2m.	L	-	- Flowing
- 45	93	10m	END PT OF SECTION # 2 - upstream of Beaverbrook PL Bridge.	-	-	- take end pt measurement upstream of Bridge
-			NOTE: SUBSECTION: From Loughheed CV upstream to Beaverbrook Place Bridge. - MINIMAL SPAWNING HABITAT AVAILABLE			APPROX = 375m.

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General comments on this section of the stream