

Stream Location and Conditions

(use a new data sheet for each stream section surveyed)

Module 1

Stream Name/Nearest Town: CEDAR CREEK - PORT COQUITLAM		Date: MARCH 9, 2008
Organization Name:		Watershed code 100-626700-07200
Contact Name: SCOTT DUCHERME		Phone # 604-690-1474
Crew Names: THIBAUT DOIX		Stream Segment # 1
		Stream Section # 1
		Length Surveyed 2540m

Survey Start Point (when applicable)

Mapsheet number	092G07	Type	TOPO	Scale	
Start Point Location (distance from known stream landmark, directions to start) START AT CEDAR CREEK / DEBOUILLE SLOUGH CONFLUENCE, CORNER OF VICTORIA / CEDAR AVE. - Twin Culvert.					
Time: 10:45	Weather	<input checked="" type="checkbox"/> clear	<input type="checkbox"/> shower (1-2.5 cm in 24 hr)	<input checked="" type="checkbox"/> snow	<input type="checkbox"/> rain on snow
		<input type="checkbox"/> overcast	<input type="checkbox"/> storm (>2.5 cm in 24 hr)		
Water turbidity (cm visibility) 60 cm		Temperature °C (leave thermometer 2 min.) air -2° water 4.5°			
Measurements taken every 1.0 m					
Bankfull Channel width		8.8 (m)	Average depth		1.05 (m)
Wetted Channel width		7.06 (m)	Average depth		0.33 (m)

Survey End Point (when applicable)

Mapsheet number		Type		Scale	
End Point Location (distance from known stream landmark) LOCATED 2.45 km FROM MOUTH. Benchmark is Pedestrian Bridge ADJACENT TO BARBERRY DRIVE.					
Time: 4:00	Weather	<input type="checkbox"/> clear	<input type="checkbox"/> shower (1-2.5 cm in 24 hr)	<input checked="" type="checkbox"/> snow	<input type="checkbox"/> rain on snow
		<input checked="" type="checkbox"/> overcast	<input type="checkbox"/> storm (>2.5 cm in 24 hr)		
Water turbidity (cm visibility) 740 cm		Temperature °C (leave thermometer 2 min.) air 1.0° water 8.5°			
Measurements taken every 0.5 m					
Bankfull Channel width		4.06 (m)	Average depth		0.56 (m)
Wetted Channel width		3.46 (m)	Average depth		0.11 (m)

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

Left Bank	m	.10	.15	.2	.3	.4	.5	Right Bank
Wetted Depth	cm	8	26	48	7	64	41	Wetted Depth
Bankfull Depth	m	0.90	0.70	0.70	1.3	1.3	1.4	Bankfull Depth

Left Bank	m	.10	.15	.2	.3	.4	.5	Right Bank
Wetted Depth	cm	12	19	15	5	19	11	Wetted Depth
Bankfull Depth	m	0.60	0.50	0.60	0.60	0.50	0.40	Bankfull Depth

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

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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
1. 001	1 2 3	Øm	Culvert AT CEDAR DRIVE. height = 3.0m width = 4.0m length = 31m	L	—	BAFFLES may increase ease of migration during hi flows.
2. 001	1 3 6	Øm	Culvert @ Cedar DR. height = 3.0m width = 4.0m length = 31m.	R	ROAD.	NO WEIR OR BAFFLES.
3. 002	4	25m	Entrenchment. Rock WEIR	Instream	—	Functioning AT present flows.
4. 004	7	58m	Artificial modification Boulder placement. Avg size = 1m	R-L		ongoing First 400m upstream.
5. 005	8	29 m	Culvert Discharge DIA = 40 cm outfall = 1.8m length = 6.8m	L		minimum flow H ₂ O = 7°C

* Adjacent Land Use Codes: Undisturbed, Agriculture, Forestry, Residential, Parks, Commercial, Industrial

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6.	9	5m	BANK MODIFICATION Large boulder > 1m. length = 20m	L	-	stable - LACK OF overhang MATURE Veg.
7	10	73	LACK OF Riparian Vegetation. Length = 45m .	R	Road	long grasses on R BANK BLACK BERRY on th LEFT B.
8	11. 12.	65m	BANK Erosion under-cut height = 1.0m length =	R	Road	- Stable AT low FLOWS.
9	13	93m	Discharge DIA = 40cm OUTFALL = 1.5m	L	U	H ₂ O = 7° minimal flow
10.	14.	54m	Discharge DIA = 40cm OUTFALL = 1.5m	L	U	Flowing - water quality issues from Storm water.

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11. 009	15	1m	Enhancement Rock WEIR Height = 30cm width = 6.0m length = 5.5	Instream	-	Functioning & stable.
12. 009	16	5m	Pipe Line (x2) crossing Height = 2.05m DIA = 30cm width = 18m	R=L	-	No impact on creek.
13. 10	17	5m	TRIBUTARY "Hyde Creek" CONFLUENCE.	L	-	Flowing clear H ₂ O = 3.5°C CPAI = 4.5°C
14. 10	18 19 21	5m	FLOOD GATES. AND STRUCTURE - Doors ~ 1.8m x 1.90m - grates up stream side Access for fish only on left side.	Instream	-	* DOORS CLOSED. * SMALL SLOT ON LEFT DOOR ACCESS FOR FISH. - SMALL DOOR → 40cm x 20cm
15. 10	20	∅	Discharge DIA - N/A. Height = 2.5m	R	-	FLOOD Pump outlet.

- most flow thru left gate side

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16. +	22 23	23m	FLOOD GATES. ↓ 2.3m x 1.9m ← GATE ← SLOTS - 19cm x 35cm ↑	Instream	-	ACCESS FOR FISH PASSAGE only on left gate side. Bottom cut out.
17. 11.	24 25 26 27	28m	FLOOD Pump INTAKE. - screen closed	Instream	-	PERFORATED SCREEN BOX - 1/8" size Debris built up around intake
18. 12	28	28m	RESIDENTIAL Bridge Crossing Height = 2.1m width = 7.3m length = 4.3m	R-L	-	WD = 12cm - Base solid concrete. - 3907 LADDERS CEDAR
19. 13	29	18m	RESIDENTIAL Bridge Crossing Height = 3.1m width = 8m length = 5m	R-L	-	- Located Across From G.R MARKET. - observe 1 Large Cutthroat
20. +	30	133m	Garbage - Residential	Instream	-	located Across From 3832 CEDAR DR.

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21. 14	31	100m	Enhancement. - Rock WEIR width = 2.2m Length = 3.5m	Instream		Functioning AND stable.
22. 14	32	6m	Pedestrian Bridge crossing. ↓ 2.8m x 11m ↔	R-L	-	No Impact on creek.
23. x	33	0m	Discharge Tile Drain DIA = 10cm OUTFALL = 2.8m	L	-	NO FLOW
24. 15	34	16m	Artificial Modification Height = 2.2m length = 12m	L	Road.	Rip Rep placement.
25.	35.	70m	Discharge DIA = 30cm OUTFALL = 1.6m	L	Resid.	NO FLOW →

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31. 19	44	137m	Discharge DIA = 40cm Instream.	L	-	NO FLOW - seepage -
32. 20	45	104m	Discharge DIA = 60cm Instream	L	trail	H ₂ O = 8°C - min FLOW
33. 21	46 47 48	5m	Box Culvert Height = 1.7m width = 2.5m Length = 14m	Instream	-	AT Lombardy Dr.
34. 22	49	166m	Discharge DIA = 60cm Instream	L	Trail	NO FLOW.
35. 23	50 51	6m	Box Culvert height = 1.7m width = 2.5m length = 14m	Instream	-	Lombardy Drive 2ND

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36	52	121m	Artificial modification ↑ 2.4m x 140m =	R	Road.	Concrete SLABS.
37	53	54m	Discharge DIA = 50cm outfall = 40cm	L	trail	H ₂ O = 7.5°C minimum flow
38	54 55	110m	Box Culvert. @ Prairie Ave. height = 1.5m width = 2.5m length = 24m	Instream	-	Limited substrate.
39	56	110m	Discharge DIA = 15cm outfall = 90cm	R	SCHOOL	NO FLOW Across From CEDAR OR, SCHOOL.
40	57 58	126	Discharge DIA = 20cm outfall = 95cm	R	SCHOOL	NO FLOW - adjacent to school playground.

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26. 17	37	76m	Discharge - Culvert DIA = 80cm	L		Flowing H ₂ O = 7.5°
27 17	38	2m	Pipeline Crossing DIA = 15cm Height = 1.9m	R-L	-	no impact on creek.
28. 17	38 39 40	4m	Box Culvert. Height = 2.9m width = 4.6m length = 15m	Instream	-	LINCOLN AVE crossing
29. 17	41	50	LACK OF Riparian Vegetation Height = 2.1m length = 6.5m	R	ROAD	BELOW Bus stop shelter on CEDAR DR.
30. 17	42	32	Discharge DIA = 40cm	L	-	No Flow

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41. 28	59	32m	"BENCHMARK". Pedestrian Bridge	R-L	-	LOCATED BEHIND CEDAR PL SCHOOL.
42. 29	60	68m	Culvert Discharge height = 0.75m width = 1.2m	L	trail	- NO FLOW
43. 29	61	110	Discharge DIA = 20cm OUTFALL = 20cm	L	trail	NO FLOW - open Flop on end.
44. 29	61.	2m	Discharge DIA = 20cm OUTFALL = 40cm	L	trail	NO FLOW - gated shut.
45. 30	62	243m	Pipe Crossing DIA = 20cm height = 60cm width = 5m	R-L	-	NO IMPACT on creek.

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46. 31	63	55m	DISCHARGE (x2) -GATED / CLOSED DIA = 20cm. OUTFALL = 34cm.	L	trail	NO FLOW.
47 32	-	84m	PEDESTRIAN Bridge Crossing ↓ 1.5m x ← 6.5m	R-L	-	ADJACENT TO Barberry DR, - garbage.
48. 32	-	Øm	END PT AT BARBERRY DR.	-	-	LACKING substrate From PRAIRIE to BARBERRY. total Length = 820m.
49						
50						

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Forgotten!

NOTE: FIRST 400m - Right BANK lacks
Riparian Vegetation.