

Stream Location and Conditions

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

Module 1

Stream Name/Nearest Town: MAPLE CREEK - COQUITLAM		Date: FEB 10, 2009
Organization Name: AQUATEC RESOURCES		Watershed code 100-024500-11232
Contact Name: SCOTT DUCHARME		Phone # 690-1474
Crew Names: THIBAUT DOIX		Stream Segment # -
		Stream Section # 2
		Length Surveyed 915m

Survey Start Point (when applicable)

Mapsheets number	Type	Scale
Start Point Location (distance from known stream landmark, directions to start) UPSTREAM OF CULVERT AT BEDFORD AND CHINE ST ADJACENT TO TRUCK REPAIR SHOP.		
Time: 1:00	Weather	<input type="checkbox"/> clear <input type="checkbox"/> shower (1-2.5 cm in 24 hr) <input type="checkbox"/> snow <input checked="" type="checkbox"/> overcast <input type="checkbox"/> storm (>2.5 cm in 24 hr) <input type="checkbox"/> rain on snow
Water turbidity (cm visibility) > 20 cm	Temperature °C (leave thermometer 2 min.) air 5° water 5°	
Measurements taken every .5 m		
Bankfull Channel width	3.1 (m)	Average depth 2.55 (m)
Wetted Channel width	1.98 (m)	Average depth 0.21 (m)

Survey End Point (when applicable)

Mapsheets number	Type	Scale
End Point Location (distance from known stream landmark) DOWNSTREAM SIDE OF CULVERT AT RALEIGH ST.		
Time: 5:00	Weather	<input type="checkbox"/> clear <input type="checkbox"/> shower (1-2.5 cm in 24 hr) <input type="checkbox"/> snow <input checked="" type="checkbox"/> overcast <input type="checkbox"/> storm (>2.5 cm in 24 hr) <input type="checkbox"/> rain on snow
Water turbidity (cm visibility) > 20 cm	Temperature °C (leave thermometer 2 min.) air 6 water 5.5°	
Measurements taken every .5 m		
Bankfull Channel width	4.3 (m)	Average depth 1.3 (m)
Wetted Channel width	1.98 (m)	Average depth 0.14 (m)

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

Left Bank	.10	.16	.12			1.4	.65	.15	Right Bank
Wetted Depth	9	24	18			34	17	13	Wetted Depth
Bankfull Depth	2.5	2.5	2.5			2.7	2.6	2.6	Bankfull Depth

Left Bank	.10	.15	.10			1.2	.65	.10	Right Bank
Wetted Depth	13	19	20			14	14	5	Wetted Depth
Bankfull Depth	1.2	1.1	1.2			1.4	1.4	1.4	Bankfull Depth

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

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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
13	23	29m	BANK EROSION, Slumping. 6m x 2m ↓	L	ROAD	TOP OF BANK LESS THAN 2m FROM BEDFORD ST. ASPHALT.
13						
14	24	38m	STORMDRAIN OUTFALL. Height = 25cm DIA = 20cm	L	ROAD	NOT FLOWING AT present
14						
15	25 26	16m	- Culvert going under Bedford ST Height = 1.10m width = 1.5m wetted width = 63cm length = 17m.	R L	C C	• BARRIES would help complex culvert substrate
15						
16	27	50m	Discharge Pipe DIA = 10cm Height = 1.1m	L	C	• not Flowing • Drains Parking Lot AND Property. Industrial coatings?
16						
17	28	23m	Pipe CROSSING + HEAD WALL'S. DIA = 20cm Height = 50cm - Walls = RB = 1.05m LB = 1.3m length = 7.5m	L R	C C	- IS IT STILL in use?
17						

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

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18	29	15m	INSTREAM Pipe crossing. DIA = 15cm width = 4.2m	L/R	C	City works / Dump yard adjacent to creek.
18			BANK Erosion	L	C	
19	30	7m	Rip / RAP, LACK OF RIPARIAN Veg. Height = 1.3m length = 12m	L R	C I	Planting would help bank stability
20	31	17m	Channel Confined From concrete walls. Height = 60cm Length = 45m.	L R	C C	Concrete walls continue upstream to Kingsway. BLACKBERRY REMOVAL required
21	32	5m	Discharge Pipe DIA = 40cm H ₂ O = 9°C	L R	C I	Note * water began flowing from culvert as we observed
22	33 34	40m	Culvert e... Kingsway Rd... Parking lot Encroachment.	R L	I C	BLACKBERRY / small woody DEBRIS instream passage issue?

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23	35	20m	- Twin Culverts, upstream side of Kingsway.	R	C	Storm drain AND water quality issues possible
24			A) height = 90cm B) height = 80cm - Rock Wier - 2.8m x 60cm	L	ROAD	
24 25	37	37m	Twin culverts Access RD to BOYD Auto-Body DIA = 1.2m ww = 1.05m wd = 20cm	R L	C ROAD	- Flow only in left culvert - debris in stream - Baffles? in culvert
25	38	1cm	Twin culvert open section in between culverts = 12m ww = 1.2m R/B - 4/B - cement walls.	R L	C ROAD	- CREEK is parallel to Kingsway Ave. water quality & garbage debris
26	36	1cm	11.5m x 1.7m ww = 1.05m LACK OF RIPARIAN Vegetation	R L	C ROAD	LACK mature Riparian Veg.
27	37	12m	Twin culverts. DIA = 1.2m - Avg wd = 24cm	R L	C ROAD	Both culverts are flowing Access to Auto-Body shop.

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28	39	16m	<ul style="list-style-type: none"> Exposed BANK AND Erosion. CULVERTS 1.2m x 6m 	L	ROAD	- Auto-Body shop - Air / water quality should be monitored.
29	40 41	26m	<ul style="list-style-type: none"> Fence structure Across mainstem = Debris catcher height = 55cm width = 3.0m HOME / YARD ENCROACHMENT 	L R	R C	<ul style="list-style-type: none"> observed several dozen COHO fingerlings Holding in pool. Property @ 2617 Kingsley.
30	42	95m	<ul style="list-style-type: none"> Box culvert AT CPR RAIL TRACKS. Height = 1.35m width = 1.8m length = 7.5m 	R L	RAIL	<ul style="list-style-type: none"> Stable structure. observe COHO Fingerlings ABOVE RAIL TRACKS.
31	43	94m	<ul style="list-style-type: none"> Rip/RAP channel leaving HABITAT pond. 	R L	F F	<ul style="list-style-type: none"> clear some debris from top of Rip Rap channel. Beaver's.
32	44 45	1m	<ul style="list-style-type: none"> CPR HABITAT POND. 76m x 37m 5 Large WOODY structures installed in pond. 	R L	F F	<ul style="list-style-type: none"> Beaver's blocking Flow.

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33	46	149m	CULVERT under CPR TRACKS. height = 1.7m width = 2.4m	L R	U U	• BAFFLE INSTALLATION Req'd.
33			ww = 1.8m length = 28m width = 30cm.			
34	47 48 49 50	10m	A) BOX Culvert AT DAVID ST. height = 1.0m x 1.20m B) DISCHARGE PIPE DIA = 40cm - Flowing C) DRAINAGE DITCH - 2 storm drains in culvert	R L L R	Ditch R C Ditch	• BAFFLES for culvert. • L culvert murky water quality concern. • Ditch - water quality? • Auto wheelbarrows - leeching?
35	51	12m	BANK Enhancement - Rock wall 1.1m x 2.8m	L R	R R	Residential Encroachment.
36	51	27m	BENCHMARK - Pedestrian Bridge in residential yard height = 1.75m width = 6.2m length = 1.05	L R	R R	• Bridge on Private Property • organic substrate.
37	52 53	35m	BANK Enhancement ~ WEAVE BANK WITH young Alder limbs. ALSO Riparian Veg Planting	L R	R R	• Presently Functioning Great Idea! • Concerned Resident.
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38	54	23m	Discharge Pipe ↳ Flowing DIA = 30cm ww = 22cm wd = 5cm H ₂ O = 8°C	R	R	-water quality good.
39.	55	40m	END point of SECTION 2#. Invasive Plants Blackberry, Ivy - confined channel	R L	R R	- Invasive plant removal req'd but on private LAND.

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