

Stream Location and Conditions

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

Module 1

Stream Name/Nearest Town: <i>Hyde CREEK - Port COQUITLAM</i>	Date: <i>FEB 20, 2009</i>
Organization Name: <i>AQUATEC RESOURCES</i>	Watershed code <i>100-026700-07200-97700</i>
Contact Name: <i>SCOTT DUCHARME</i>	Phone # <i>604-696-1474</i>
Crew Names: <i>THIBAUT DOIX</i>	Stream Segment # <i>-</i>
	Stream Section # <i>4</i>
	Length Surveyed <i>1566m</i>

Survey Start Point (when applicable)

Mapsheets number	Type	Scale
Start Point Location (distance from known stream landmark, directions to start) <i>1km upstream of PEDESTRIAN BRIDGE, UPSTREAM OF DAVID AVE CROSSING - G123</i>		
Time: <i>10:30</i>	Weather	<input type="checkbox"/> clear <input type="checkbox"/> shower (1-2.5 cm in 24 hr) <input type="checkbox"/> snow <input type="checkbox"/> overcast <input type="checkbox"/> storm (>2.5 cm in 24 hr) <input type="checkbox"/> rain on snow
Water turbidity (cm visibility)	Temperature °C (leave thermometer 2 min.) air <i>7°</i> water <i>3.5°</i>	
Measurements taken every <i>1.0</i> m		
Bankfull Channel width	<i>8.1</i> (m)	Average depth <i>0.63</i> (m)
Wetted Channel width	<i>2.7</i> (m)	Average depth <i>0.17</i> (m)

Survey End Point (when applicable)

Mapsheets number	Type	Scale
End Point Location (distance from known stream landmark) <i>AT LOG JAM - ADJACENT TO COY AVE, OFF MARTIN ST AND HAZEL - North Coast MERIDIAN RD,</i>		
Time: <i>4:30</i>	Weather	<input checked="" type="checkbox"/> clear <input type="checkbox"/> shower (1-2.5 cm in 24 hr) <input type="checkbox"/> snow <input type="checkbox"/> overcast <input type="checkbox"/> storm (>2.5 cm in 24 hr) <input type="checkbox"/> rain on snow
Water turbidity (cm visibility) <i>> 30cm.</i>	Temperature °C (leave thermometer 2 min.) air <i>7°</i> water <i>4°</i>	
Measurements taken every <i>0.5</i> m		
Bankfull Channel width	<i>4.26</i> (m)	Average depth <i>0.68</i> (m)
Wetted Channel width	<i>2.43</i> (m)	Average depth <i>0.13</i> (m)

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

Left Bank	m	.10	.11	.22		.25	.12	.10	Right Bank
Wetted Depth	cm	12	24	14		15	25	13	Wetted Depth
Bankfull Depth	m	.60	.50	.50		.80	.70	.70	Bankfull Depth

Left Bank	m	.10	.6	.15		.12	.6	.10	Right Bank
Wetted Depth	cm	5	10	15		26	18	10	Wetted Depth
Bankfull Depth	m	.80	.70	.70		.90	.70	.60	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
121 4	1 2 3	16m	Log Jam - height = 1.4m width = 4.6m length = 4m	L		- Partial obstruction
122 18	6 7 8	6m	BANK EROSION SLUMPING SOIL to top of BANK. ↑ 30m x 10m	L	R	Debris dump AT top of BANK.
123 71	9 10	58m	SIDE CHANNEL BF = 5.2m ww = 50cm	R	U	- NO FLOW, some subsurface Flow. - BLOCKED AT UPSTREAM END. WET only in HI FLOW.
124 80	11 12	56m	BANK EROSION EXPOSED CLAY	R	U	STABLE A.T. LOW FLOWS. - TREE FALL HAS FORCED FLOW TO RIGHT.
125 81	13	30m	BANK EROSION Height = 1.8m length = 14m	R	U	Stable at PRESENT FLOW

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

General comments on this section of the stream

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82	14 15	47m	TRIBUTARY BF = 1.5m ww = 50cm H ₂ O = 5.5° Main = 3.5°C	L	U	Flowing clear. not suitable Fish Habitat.
83	16 17	60m	SIDE CHANNEL BF = 4.2m ww = 2.0m length = 68m	R	U	- Flowing from tributary into side channel upstream 38m of mainstem confluence.
84	19	19m	- Log jam moderate barrier - Light = 90cm P. pool 48cm	Instream		- Attempt to clear - left side. - monitor early FALL for passage
85	20	92m	BANK Erosion Exposed & SLIDING ↑. 6m x 4m ↔			"Stable AT low flows. Require some Armoring AND Planting. - MEET LOCAL RESIDENT "Quinn"
86	21 24	9m	Tributary BF = 4.0m ww = 1.0 wd = 5cm H ₂ O = 8°C	L	U	Wetland area Feeds trib.

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126	25 26	35	Culvert discharge Dia = 40cm	R	u	- 11m Rip/Rap Channel - No Flow
127	27	25m	Bank Erosion ↑ 2.4m x 20m - Exposed Loose Soil	L	u	Exposed during hi flows.
128	N/A	43m	Fence across Creek. " Benchmark. Height = 1.6m	R-L	u	Barbed wire Fence, Danger to WILDLIFE.
129	N/A	12m	Bank Erosion undercut Bank ↑ .60m x 6m ↔ depth of undercut = 1.0m	R	R	ADJACENT Pump house - not operating. - old 1" hose in stream.
130		25m	Bank Erosion upslope SLIze ↓ 20m x 13 ↔	R	R	natural, At top of Bank. low impact to mainstem.

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Sect # 4

Stream Reconnaissance Field Data Sheet

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131 105	30	155m	BANK Erosion Exposed rock, AAD. cobble. ↑ 1.3m x 19m ↔	L	u	
132 106	31	∅	BANK Erosion - under-cutting - ↑ 1.3m x 19m ↔	R	u	- mature trees on top of BANK.
133 107	34	59m	LWD JAM partial barrier height = 90cm width = 11.5m length = 1.0m	Instream		- ABLE to provide passage on right channel. - gravel wedge.
134 108	34	∅	BANK Erosion - Slumping Bank ↑ 5m x 9m ↔	L	u	gravel wedge upstream of LWD
135 108	35	13m	LWD JAM PARTIAL Blockage. Height = 1.1m length = 2.3m width = 7m.	Instream	u	- monitor FOR Blockages.

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Sect # 4

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136 106	36 37 38 41	125m	SIDE CHANNEL TO ENHANCED HABITAT POND. - Channel 13m	R	U	observed COHO JUVENILES in POND - outlet to hi for ACCESS - large boulder substrate
137 106		13m	HABITAT POND width = 5.6m Length = 30m "Enhancement"	R	U	- Includes 18 po's of LWD HABITAT - NO FLOW From mainstem creek.
138 106	40 42	30m	HABITAT POND INFLOW "Enhancement"	R	U	- Channel dry and not flowing. - work by "Enkon"
139 109	43	30m	Enhancement Riparian Planting 15m x 21m	L		- work by "Enkon"
140 110	44	11m	BANK EROSION SLUMPING BANK. ↓ 6m x 4m	R		Armoring req'd. At flow impact

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141 112	48 49	58m	TRIBUTARY height - 1.05m BF = 3.3m ww = 1.6m wt = 11cm H ₂ O = 4°C	L	u	boulder substrate AND lots of small woody debris mainstem ~ 4°
142 113	50	26m	Slumping Bank Erosion ↑ 1.8m x 4m ↔	L	u	impacting Crk, - starting to under-cut, - grade change 6° over 20m.
143 114	51	76m	Log Jam partial Barrier height = 1.14m width = 2.2m length = 1.30	Instream		- passage on left Bank side. - need to monitor in FALL.
144 115	52 53 54	69m	Bank Erosion ↑ 15m x 55m ↔ upslope slide	R		EXPOSED SOIL TO TOP OF BANK, MAJOR SLIDE
145 116	57	68m	Woody debris jam - NO PASSAGE. height = 1.0m width = 4m. Length = 0.60m	Instream		- maintenance req'd FOR PASSAGE.
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146 117	58 59	19m	SIDE CHANNEL BF = 1.5m ww = 0.47m	L	u	NO FLOW AT OUTLET. NOT SUITABLE FISH HABITAT
147 118	60	19m	LWD JAM height = 1.15m width = 6m length = 1.06m	Instream	u	- moderate Barrier.
148 120	62 63	41m	TRIBUTARY BF = 3.5m ww = 1.7m wd = 0.12m H ₂ O = 4.5°C	R	u	Flowing, IRON OXIDE evident. DEAD RED LEGGED FROGS
149 121	64	61m	Benchmark log walking Bridge. height = 90cm	R-L	trail	- Development going in on left top of BANK.
150 122	65	11m	TRIBUTARY height = 0.53m BF = 2.8m ww = 90cm wd = 3cm	L		Flowing, clear. END POINT OF Hyde survey.

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