

Stream Location and Conditions

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

Module 1

Stream Name/Nearest Town: <i>HOY CREEK - COQUITLAM</i>	Date: <i>FEB 5, 2009</i>
Organization Name: <i>AQUATEC RESOURCES</i>	Watershed code <i>100-024500-11000-3100</i>
Contact Name: <i>SCOTT DUCHARME</i>	Phone # <i>604 690 1474</i>
Crew Names: <i>THIBAUT DOIX</i>	Stream Segment # <i>.</i>
	Stream Section # <i>4</i>
	Length Surveyed <i>571m</i>

Survey Start Point (when applicable)

Mapsheets number	Type	Scale
Start Point Location (distance from known stream landmark, directions to start) <i>BEGIN 25m upstream OF Pinewood RD Culvert + bridge. - START OF SECTION 4#.</i>		
Time: <i>1:15</i>	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) <i>18 cm.</i>	Temperature °C (leave thermometer 2 min.) air <i>5°</i> water <i>4</i>	
Measurements taken every <i>1</i> m		
Bankfull Channel width <i>6.0</i> (m)	Average depth <i>1.35</i> (m)	
Wetted Channel width <i>3.5</i> (m)	Average depth <i>0.123</i> (m)	

Survey End Point (when applicable)

Mapsheets number	Type	Scale
End Point Location (distance from known stream landmark) <i>70m upstream OF DAVID AVENUE Culvert</i>		
Time: <i>2:30</i>	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) <i>24 cm</i>	Temperature °C (leave thermometer 2 min.) air <i>6.5°</i> water <i>4.5°</i>	
Measurements taken every <i>0.5</i> m		
Bankfull Channel width <i>5.4</i> (m)	Average depth <i>1.12</i> (m)	
Wetted Channel width <i>2.9</i> (m)	Average depth <i>0.22</i> (m)	

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

Left Bank	<i>1.4</i>	<i>1.1</i>								Right Bank	
Wetted Depth	<i>10</i>	<i>18</i>	<i>9</i>							<i>15</i>	<i>9</i>
Bankfull Depth	<i>1.6</i>									<i>1.1</i>	

Left Bank	<i>1.5</i>									Right Bank	
Wetted Depth	<i>6</i>	<i>20</i>								<i>20</i>	<i>8</i>
Bankfull Depth	<i>8.5</i>	<i>8.5</i>								<i>1.8</i>	<i>1.8</i>

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

... Additional Feature Information

Module 1

Stream Name/Nearest Town: HOY CREEK - COBUILTAM	Date FEB 5, 2009
Organization Name: AQUATEC RESOURCES	Watershed code
Contact Name: SCOTT DUCHONNE	Phone # 690-1474
Stream Segment #	
Stream Section # 4	

Feature Information

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
114 108	45	15m	Tributary, drainage Height = 90cm	R	R	- NO FLOW, BUT WET.
115 109	46	5m	SIDE CHANNEL 10m in length 90cm wide wetted dpth = 6cm	R	R	- Flowing
116 110	47 48	3m	Bank Erosion 2m x 1.8m ↓ Log jam height = 0.75m width = 6.2m depth = 0.35m	L L/R	R. R	LWD Jam Requires some maintenance for passage. - observe 1 SALMON skeleton
117 111	50 51	67m	Enhancement - FISH LADDER - 4 step sections 2.2m x 1.9m x 15m depth = 60cm - 7° gradient to top	L/R	R	- Rip/Rap on both banks - Concrete Apron - Culvert DIA = 90cm 40m in length.

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

Note whether feature is on the left or right bank (facing downstream)

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
118 112	52 53	45m	• FISH FENCE STRUCTURE AND TRASH RACK. • upstream SIDE OF FISH LADDER.	R/L	?	• large pool Area • over FLOW Culvert to LAForge Lake on Right BANK.
119 113	54 55 56	25m	Tributary Height = 40cm ww = 0.8m depth = 7.6cm BANK EROSION 6m x 1.3m	L	U	- Flowing but ACCESS difficult - LACK plunge pool. - note - trib "South. Hog Crk"
120 114	57	3m	Drainage trench BF = 2.5m ww = 1.2m Temp = 7°C - culvert at top End is 1.2m in diameter	R	U	- murky water Algae growth - not Flowing but wet.
121 115	58 61	30m	• Tributary / drainage • 12m in length Boggy Area e top end • BF = 2m ww = 1.25	L	U	No access due to low Flow AND lack OF Depth.
122 No GPS	62 63	26m	• Large boulders • 3.5° gradient change over cascade	L/R	U/F	• substrate large size, gravel, cobble Rock, boulder.

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General comments on this section of the stream

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123 116	N/A	76m	Log jam height = 1.2m 3m x 3m depth = .50m	R/L	F	not a migration barrier at present flow. - observe 1 salmon skeleton
124 117	left END	80m	- main stem splits - R. BANK is West Hoy Creek. DF = 8.5m ww = 6.5m RB = 1.2m LB = 0.7m - West Hoy temp = 9.5°C	R	R	- main stem Hoy temp = 4.5°C
125 127	1 2	135m	- large bolder, cobble substrate. - 5% gradient. - garbage	L/ R	u u	- garbage removal - lumber debris + shopping carts + tires.
126 128	3 4	33.5m	Log jam 8.3m x 1.1m jump = 1.2m plunge pool = .30m 6% grade over 17m.	R/L	u	Requires maintenance to improve passage. - garbage removal required
127	5 6	82m	- Culvert AT DAVID Avenue. - Height = 7.5m - ww = 4.3m - Length = 54m.	R/L	ROAD	- Rip/RAP Left/Right thru Culvert.

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128 130	7 8	54m	CASCADE / boulder jump height = 0.8m width = 1.1m plunge pool = 6.5cm	C (center)	Road	- moved a few rocks, to ease passage upstream. - Very unstable
129 131	9	11m	BANK Erosion height = 1.1m 1cm in length	R	R	- stable, with exposed roots from vegetation
130 132	10	10m	- Discharge pipe - Dia = .85m - channel to creek = 9.8m - height = 30cm - depth 9.6cm	R	R	- Flowing water clarity clear. - H ₂ O = 7°C - BF = 2.8m - ww = 1.5m
131 133	11 12	50m	- Log JAM barrier 7.5m x 1.8m - jump = .95m - depth = 10 to 35 cm - 8.5% gradient	R/L	R.	- Presently A Barrier.
132	13 14 15.	9m	- End Point ABOVE Barrier. - BANK Erosion - BF = 5.4m ww = 2.9m - depths avg = 11cm	R	R	- AVAILABLE HABITAT ABOVE barrier. - gradient increase - 2nd Barrier 10m upstream.

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