

# 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 3, 2009.</i>
Organization Name: <i>AQUATEC RESOURCES</i>		Watershed code <i>100-2450-11000-3100</i>
Contact Name: <i>SCOTT DUCHARME</i>		Phone # <i>690-1474</i>
Crew Names: <i>SCOTT D</i>	<i>THIBAUT DOIX</i>	Stream Segment #
		Stream Section # <i>2</i>
		Length Surveyed <i>622.5m</i>

## Survey Start Point (when applicable)

Mapsheets number	Type	Scale
Start Point Location (distance from known stream landmark, directions to start) <i>START SECTION 2 ~ UPSTREAM AT LOUGHEED CULVERT</i>		
Time: <i>1130</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>5.5°</i> water <i>4.5°</i>	
Measurements taken every _____ m		
Bankfull Channel width <i>7.57</i> (m)	Average depth <i>0.98</i> (m)	
Wetted Channel width <i>4.82</i> (m)	Average depth <i>0.29</i> (m)	

## Survey End Point (when applicable)

Mapsheets number	Type	Scale
End Point Location (distance from known stream landmark) <i>AT FEATURE 27 - RESIDENTIAL PROPERTY ~ ACROSS FROM MAROR, SOUTH OF GLEN ST.</i>		
Time: <i>5:15</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>10 cm</i>	Temperature °C (leave thermometer 2 min.) air <i>5°</i> water <i>5.1°C</i>	
Measurements taken every _____ m		
Bankfull Channel width <i>7.14</i> (m)	Average depth <i>0.78</i> (m)	
Wetted Channel width <i>5.72</i> (m)	Average depth <i>0.40</i> (m)	

(Start Point)      First and Last Measurements taken 0.1 m from streambank edge      (End Point)

Left Bank						Right Bank
Wetted Depth	<i>18.37</i>					<i>45.19</i>
Bankfull Depth	<i>47.34</i>					<i>36.65</i>

Left Bank						Right Bank
Wetted Depth	<i>31.47</i>					<i>36.57</i>
Bankfull Depth	<i>13.17</i>				<i>20.58, 53</i>	<i>53</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 - COQUITLAM	Date FEB 3, 2009
Organization Name: AQUATEC RESOURCES	Watershed code
Contact Name: SEPT DUCHARME	Phone # 690-1474
Stream Segment # 1	
Stream Section # 2	

## 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
1	19	14m	<ul style="list-style-type: none"> <li>• UNDER cut BANK</li> <li>• POOL habitat</li> <li>• .95 m wetted depth</li> </ul>	L	C	<ul style="list-style-type: none"> <li>• BANK STABILITY</li> <li>• large CEDAR</li> </ul>
2	20	21m	<ul style="list-style-type: none"> <li>• LEFT BANK TRIBUTARY</li> <li>• length &lt; 50m</li> <li>• WW = .80m</li> <li>• Trib temp = 8.5°C</li> </ul>	L	C	STORM WATER RUN-OFF QUALITY.
3	21 22 23	44m	<ul style="list-style-type: none"> <li>• Rip/RAP Lined DRAINAGE trib.</li> <li>• STORM DRAIN AT UPSTREAM END.</li> <li>• &lt; 10m BF = 1.6m</li> <li>• WW = .38m</li> </ul>	R	C	<ul style="list-style-type: none"> <li>• CONTROLLED STORM DRAIN BEGAN FLOWING DURING SURVEY.</li> <li>• 1 IVY - RB.</li> <li>• MINUTE LULU</li> </ul>
4	24 25	42.5m	<ul style="list-style-type: none"> <li>- LARGE WOOLY DEBRIS JAM</li> <li>- POOL depth = 1.1m</li> <li>- 7m x 5m</li> </ul>	R/L	C	<ul style="list-style-type: none"> <li>• Providing good pool habitat.</li> </ul>

\* 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

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5	26	24m	<ul style="list-style-type: none"> <li>• LOG WIER</li> <li>• Height = 60cm</li> <li>• WEIRED DEPTH UPSTREAM = 37cm</li> </ul>	L / R	U	
6	27 28	34m	<ul style="list-style-type: none"> <li>• LWD</li> <li>• BANK EROSION</li> <li>• 21m EXPOSED</li> <li>• Avg BANK DEPTH = 75cm to 1.1m</li> </ul>	R	U	<ul style="list-style-type: none"> <li>• EXPOSED clay AND SOIL</li> <li>• PLANTING</li> </ul>
7	29	30m	<ul style="list-style-type: none"> <li>• EXPOSED AND SLUMPING BANK</li> <li>• 3.6m EXPOSED</li> <li>• RB = 2.8m LB = 42cm</li> </ul>	R	C	<ul style="list-style-type: none"> <li>• NATURAL MEANDERING OF STREAM</li> </ul>
8	31	18m	<ul style="list-style-type: none"> <li>• EXPOSED BANK</li> <li>• upstream OF POOL HABITAT</li> </ul>	R	U	
9	32 33	11.5m	<ul style="list-style-type: none"> <li>• POOL HABITAT</li> <li>• Avg DEPTH = 45cm</li> <li>• BANK EROSION</li> </ul>	L R	U	<ul style="list-style-type: none"> <li>• MINOR AT PRESENT time.</li> </ul>

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General comments on this section of the stream

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... Additional Feature Information

Module 1

Stream Name/Nearest Town: <i>HOY CREEK - COQUITLAM</i>	Date <i>FEB 3 2009</i>
Organization Name: <i>AQUATEC RESOURCES</i>	Watershed code <i>100-024500-11000-3100</i>
Contact Name: <i>SCOTT DUCHARMÉ</i>	Phone # <i>604-690-1474</i>
Stream Segment #	
Stream Section # <i>2</i>	

## 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
10	34	34.5m	• 15cm TILE DRAIN 25 cm FROM CREEK SUBSTRATE.	R	U	NO FLOW AT PRESENT.
11	N/A	12.5m	• RIPARIAN AREA OPEN CANOPY • FLOOD PLAIN ON R/L BANK ZONES - FEATURE=18m length	R/L	U	• 6 WILDLIFE TREES
12	35	26m	- WOOD, PASSABLE height = 92cm POOL depth = 90cm - 5m x 4 m	R/L		• PROVIDES POOL HABITAT.
13	36 37	12m	• SAND DEPOSIT/ ACCUMULATION. - ROOT WAD FROM TREE BLOW DOWN	R L	U	- LOW GRADE AREA.

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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
14	38	19	<ul style="list-style-type: none"> <li>LOG FALL, not A BARRIER.</li> <li>PRESENT FLOW UNDER LOG + POOL habitat</li> <li>LOG = 6.7m</li> </ul>	R/L	U	<ul style="list-style-type: none"> <li>ww = 4.6m</li> <li>BF = 9.3m</li> <li>Pool depth = 93cm</li> </ul>
15	39 40	71m	<ul style="list-style-type: none"> <li>DRAINAGE FROM STORM SEWER</li> <li>BF = 1.9m</li> <li>ww = 1.65m</li> <li>Depth = 7.6cm</li> </ul>	R		<ul style="list-style-type: none"> <li>lots of organics</li> <li>no flow at present.</li> <li>H<sub>2</sub>O = 7°C</li> </ul>
16	41 42	16m	<ul style="list-style-type: none"> <li>TERRY FOX TRIBUTARY = 72m</li> <li>H<sub>2</sub>O = 5.1°C</li> <li>ww = 1.8m</li> <li>BF = 2.3m</li> <li>depth = 13.6cm</li> </ul>	R	P	<ul style="list-style-type: none"> <li>TRAIL system top of BANK.</li> <li>BLACK BERRY Removal Reg'd</li> </ul>
17	43	36.5m	<ul style="list-style-type: none"> <li>BANK EROSION 3.5m x 1.4m</li> <li>BF = 6.6m</li> <li>ww = 6.1m</li> </ul>	L	P	<ul style="list-style-type: none"> <li>Planting Reg'd.</li> </ul>
18	44	9m	<ul style="list-style-type: none"> <li>BANK UNDER-CUT</li> <li>4m x 5m</li> <li>ww = 4.6m</li> <li>BF = 9.5m</li> </ul>	L	P	<ul style="list-style-type: none"> <li>note; SEVERAL CARCASS OBSERVED</li> <li>providing REARING habitat AND SHELTER.</li> </ul>
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Contact Name: <i>SCOTT DUCHARME</i>	Phone # <i>604-690-1474</i>
Stream Segment #	
Stream Section # <i>2</i>	

## 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
19	45	11m	<ul style="list-style-type: none"> <li>Log WIER</li> <li>POOL depth = 47cm</li> <li>passable at present FLOW</li> <li>DEPTH upstream = 23cm</li> </ul>	L/R	P U	low flow - juvenile passage
20	46	15m	- Wetland, bog Area - FEEDS TO Terry Fox Creek.	R  L	R trail  U	<ul style="list-style-type: none"> <li>- channel full of organic debris</li> <li>- not suitable FISH HABITAT</li> <li>- PROVIDES NUTRIENTS</li> </ul>
21	49	10	BANK EROSION AND UNDER-CUT 11m x x .40m BF = 7.0m WW = 6.3m	R	P trail	- Planting may stabilize,
22	50	19	<ul style="list-style-type: none"> <li>BANK EROSION 5m x .65m</li> <li>GARBAGE caught in SW D.</li> <li>BF = 7.4</li> <li>WW = 6.7</li> </ul>	L	P trail	• Garbage removal Req'd.

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23	N/A	8m	WALKING BRIDGE Adjacent to Parkwood Manor	L/R	R	TRAIL SET BACK. Fencing may Keep people on trail.
24	51 52	34m	-LWD JAM AND POTENTIAL BARRIER. 6.4m x .85m BF = 6.2m Ww = 5.6m	L/R	- P - U	- Requires removal of some of the small woody Debris,
25	N/A	4m	- 9m Flood plain Area. - low gradient significant SAND Deposit.	L	P	
26	53 54	46	- SIDE CHANNEL 12m x 2.0m - Avg depth = 13cm	R	R	RESIDENTIAL ENCROACHMENT NO SET BACK. INVASIVE PLANTING
27	N/A		- END PT OF SECTION 2. RESIDENTIAL Property Encroachment	R	R	Planting of Invasive Species by Home owner

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General comments on this section of the stream

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Introductory Stream Habitat Survey  
revision - March 2000

Streamkeepers Module 1