

## 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 COQUITLAM</i>		Date: <i>FEB 17</i>
Organization Name: <i>AQUATEC RESOURCES.</i>		Watershed code <i>100-026700-07200-97700</i>
Contact Name: <i>SCOTT OUCHARNE</i>		Phone # <i>690-1474</i>
Crew Names: <i>TRIPAUD DOIX</i>		Stream Segment #
		Stream Section # <i>2</i>
		Length Surveyed <i>818m</i>

### Survey Start Point (when applicable)

Mapsheets number	Type	Scale
Start Point Location (distance from known stream landmark, directions to start) <i>START UPSTREAM OF COAST MERIDIAN CULVERT / LINCOLN AVE.</i>		
Time: <i>1:00</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>&gt; 30cm</i>	Temperature °C (leave thermometer 2 min.) air <i>6°</i> water <i>5°</i>	
Measurements taken every _____ m		
Bankfull Channel width	<i>6.06</i> (m)	Average depth <i>1.5</i> (m)
Wetted Channel width	<i>3.4</i> (m)	Average depth <i>.15</i> (m)

### Survey End Point (when applicable)

Mapsheets number	Type	Scale
End Point Location (distance from known stream landmark) <i>ADJACENT TO DARWIN ST - COQUITLAM - 100 m upstream OF LOCK BLOCK ENHANCEMENT - ADJACENT TO NEW DEVELOPMENT.</i>		
Time: <i>12:30</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) <i>&gt; 24</i>	Temperature °C (leave thermometer 2 min.) air <i>10.5°</i> water <i>4°</i>	
Measurements taken every <i>1.0</i> m		
Bankfull Channel width	<i>6.9</i> (m)	Average depth <i>1.0</i> (m)
Wetted Channel width	<i>2.9</i> (m)	Average depth <i>0.18</i> (m)

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

Left Bank	m	.10	1.1	2.1		2.4	1.1	.10	Right Bank
Wetted Depth	cm	21	15	21		21	27	15	Wetted Depth
Bankfull Depth	m	.50	.50	.50		2.5	2.5	2.5	Bankfull Depth

Left Bank	m	.10	1.5	2.6		2.5	1.1	.10	Right Bank
Wetted Depth	cm	5	17	20		24	21	15	Wetted Depth
Bankfull Depth	m	.90	.90	.90		1.2	1.2	.85	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
46	36 37	5m	Drainage - under Rip / Rap. - size of rock - 50cm	L	Road	observe COHO CARCASS. - min flow
47	38 39	13m	- Artificial modification - Bank stabilization - concrete slabs 1.2m x 2.3m.	R	R	BANK STABLE AT THIS flow. - Ivy removal Req'd.
48	40	30m	Discharge Pipe DIA = 10cm height = 80cm	L	R	- SLOW Drip - from Residential YARD.
49	41 42	φ	LACK OF Riparian Vegetation length = 33m	R	R	RESIDENTIAL Encroachment.
50	43	20m	Artificial modification Bank stabilization with Rip / Rap size ~ 1.5m to .8m length = 21m.	L	R	ongoing, upstream

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

General comments on this section of the stream

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51	N/A	20m	Discharge Pipe DIA = 30cm height 1.1m	L	R	min Fbw
52	44 47	6m	BANK MODIFICATION Concrete WALL ↓ 2m x 57m	R-L	R	RESIDENTIAL Encroachment
53	49	79m	Discharge Pipe DIA = 30cm	R	R	-Lacking Riparian Veg. At top of Bank.
54	50	2m	BANK stabilization with Rip Rap Assorted size 30m to 50m	R	R	- Lack of Riparian Veg At top of BANK.
55	52	59m	Pedestrian Bridge AT Lincoln ST. height = 1.75m width = 6.0 length = 1.7m	R-L	ROAD.	"BENCHMARK"

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General comments on this section of the stream

Sect #2

# 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
56 26	52	2m	Box Culvert under Lincoln Ave Height = 1.75m width = 6.0m length = 23m	instream	Road	- Baffled Reg'D ?
57 27	53	6m	Pipe Discharge DIA = 1.0m	R instream	-	- Flowing clean/clear. - Inside Box Culvert.
58 28	54	5m	Pipe Discharge DIA = 25cm height = 60cm	L	-	min flow INSIDE Box Culvert.
59	55	4m	Artificial modification - Rock wall, ↑ 1m x 7m ↔	L	R	- Stable
60 29	56	89m	Tributary 10m in length ww = 40cm H <sub>2</sub> O = 8°	R	R	min flow - Hydr H <sub>2</sub> O = 5.5°
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General comments on this section of the stream

Sect # 2

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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
61	57	44m	Pedestrian Bridge crossing. height = 1.45m width = 8.0m	R-L	R	- old Hyde Creek Hatchery site. - possible "BENCHMARK"
62	58	1m	Artificial modification Bank stabilization ↑ 2m x 9m ↔ Rip/rap size = .5m to .75m	L	U	- Bank Stable.
63	59	18m	LWD JAM height = 1.5m width = 2.0m	R	R	- Potential Barrier. - need to monitor.
64	60	19m	Pipe Discharge DIA = 30cm	R	R	- Gated Culvert - min flow - observe COHO fingerlings
65	62 63	34m	Pipe Discharge DIA = 30cm Height = 80cm	L	R	- min flow

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66 34	64 65 66	49m	Box Culvert and concrete Apron height = 1.25m w.w. = 3.3m length = 2.3m	R-L	ROAD	• BARRIERS Required. • CULVERT AT Kent ST.
67 35	01	10m	Pipe Discharge DIA = 30cm Height = 1.2m	L	R	NO FLOW
68 36	02	32m	Tile Drain DIA = 10cm Height = 50cm	L	R	IRON OXIDE present. From Resident YARD.
69 37	03	12m	Tile Drain (3) DIA = 10cm height = 5-15cm	L	R	- YARD Drainage - NO FLOW
70 38	04	16m	Tile Drain DIA = 10cm height = 60cm	L	R	- NO FLOW from YARD.

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71 39	06	32m	Pipe discharge DIA = 10cm height = 10cm	L	R	Residential Encroachment.
72 40	07 08	4m	Bank Erosion under-cut ↑ 1.8m x 34m	R	R	Stable at lower flows.
73 1	9	37m	Bank Erosion - under-cut ↑ 1.7m x 13m ←	L	R	Stable at lower flows.
74 1	10	5m	Lack of Riparian Vegetation. - length = 20m	L	R	- log removal req'd.
75 1	11	0m	Bank Erosion - under-cut. height = 1.6m length = 14m	R	R	Stable at low flows. - large maple trees on top of bank.

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76 41	12	27m	Pipe discharge DIA = 10cm height = 1.2m	L	R	
77 42	13	29m	Bank Erosion - Beginning under-cut - exposed soil height = 1.3m length = 7m.	R	R	- Mature tree starting to fall in main-stem.
78 43	14	21m	Bank Erosion under-cut height = 50cm length = 3m depth of cut = 50cm	R	R	- needs some armoring or...?
79 44	15	15m	Bank Erosion under-cut BANK height = 63cm	R	R	- Providing nice habitat cover.
80 45	16	15m	BANK Erosion Exposed - under-cut. height = 1.6m length = 47m	R	R	- needs planting with Riparian Veg

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81 45	17	18m	Artificial Modification Cement Rock wall top OF BANK to CREEK height = 1.6m x 7m	L	R	- Residential Encroachment.
82 46	18	41m	Culvert Discharge DIA = 60cm H <sub>2</sub> O = 6°C	R	R	Flowing clear.
83 47	19	10m	Pedestrian Bridge crossing at renton ST. height = 2.4m width = 7.8m	R-L	trail	Base is stable. trail to SCHOOL
84 48	20 21	12m	BANK Erosion Exposed Soil 9.4m x 10m ↔	L	R	- Armoring?
85 49	22	25m	Enhancement, Rock Wier AND Boulder placement. width = 5.7m length = 2.7m	R-L	R	- stable AND Functioning

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86 49	23	14m	Enhancement Rock / Boulder Wier. width = 4.5m length = 4.5m	R-L instream	R	- Placement downstream of culvert / Apron Area. - series of 4 weirs up to culvert.
87 51	24	47m.	Culvert discharge DIA = 30cm height = 10cm	L	R	- no Flow - storm outlet from street At Greenmont.
88 51	24	2m	Box Culvert AND Apron AT Greenmont St. height = 1.5m width = 4m length = 4m	R-L instream	R	- Baffles would help! - remove concrete apron, due to low water depth. grade is 12° over 12m to culvert.
89	25	14m	Pipe Discharge inside culvert DIA = 30cm height = 15cm	L		- no Flow - storm drain from St.
90	26	5m.	Enhancement. Rock wier height = 70cm width = 4.7m	Instream.	R.	- recently installed.

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91 52	27	0	Culvert discharge DIA = 30cm	R	R	NO Flow - set 2m back from creek.
92 53	28	20m	tile Drain DIA = 15cm height = 70cm.	L	R	- House perimeter drain outlet.
93 54	29	68m	Pipe Discharge DIA = 20cm height = 40cm.	R	R	- No Flow
94 55	30	28m	Pipe Discharge DIA = 20cm height = 30cm.	L	R	• minimum Flowing
95 56	31	19m	Artificial Modification height = 1.5m length = 6m.	L	R	Residential Encroachment.
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96 57	32	31m	Artificial Modification - Cement WALL - height = 1.7m - length = 8m.	L	R	Wall starting to deteriorate into creek.
97 58	33	15m	Culvert discharge DIA = 60 cm - gated, leads to storm retention pond. At development site.	L		observe COHO fingerlings - NO FLOW From Culvert.
98 58	34	φ	Artificial Modification - Bank Stabilization lock - Blocks. height = 2.3m length = 6m.	R	R	- New development starting on left bank side.
99 59	35 36	37m	Bank Erosion Exposed clay. height = 3.0m. length = 12m.	R	R	log jam on left forcing flow to exposed bank side.
100 60	37	41m	LWD JAM - tree blow down. - END Pt OF Sect # 1.	R-L Instream	$\frac{U}{R}$	- 4 mature trees have fallen across channel - Potential for barrier.

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