

send the data to: Streamkeepers Database, Department of Fisheries and Oceans,
Suite 400, 555 W. Hastings Street, Station 321, Vancouver, B.C. V6B 5G3
or fax to (604) 666-0292

Stream Location and Conditions

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

Module 1

| | |
|--|---|
| Stream Name/Nearest Town: <i>LOST CREEK - Burnaby</i> | Date: <i>MARCH 5, 2009</i> |
| Organization Name: <i>AQUALTEC RESOURCES</i> | Watershed code <i>100-047100 - 25100</i> |
| Contact Name: <i>SCOTT DUCHARME</i> | Phone # <i>604-690-1474</i> |
| Crew Names: <i>THIBAUT DOIK</i> | Stream Segment # <i>1</i> |
| | Stream Section # <i>1</i> |
| | Length Surveyed <i>234m</i> |

Survey Start Point (when applicable)

| | | |
|---|---|--|
| Mapsheets number | Type | Scale |
| Start Point Location (distance from known stream landmark, directions to start) <i>Access Brunette River trail FROM NORTH RD. WALK WEST TO 2ND Tributary & Penetration Bridge, Confluence with Brunette R.</i> | | |
| Time: <i>12:15</i> | Weather | <input checked="" type="checkbox"/> clear ^{partly} shower (1-2.5 cm in 24 hr) • snow <input type="checkbox"/> overcast • storm (>2.5 cm in 24 hr) • rain on snow |
| Water turbidity (cm visibility) <i>33cm</i> | Temperature °C (leave thermometer 2 min.) air <i>7</i> water <i>8.5°</i> | |
| Measurements taken every <i>1.0</i> m | | |
| Bankfull Channel width <i>8.4</i> (m) | Average depth <i>1.03</i> (m) | |
| Wetted Channel width <i>6.6</i> (m) | Average depth <i>0.15</i> (m) | |

Survey End Point (when applicable)

| | | |
|---|---|--|
| Mapsheets number | Type | Scale |
| End Point Location (distance from known stream landmark) <i>Downstream side of culvert AT Hi-way #1 crossing, 230 m upstream of mouth.</i> | | |
| Time: <i>3:15</i> | Weather | <input checked="" type="checkbox"/> clear ^{partly} • shower (1-2.5 cm in 24 hr) • snow <input type="checkbox"/> overcast • storm (>2.5 cm in 24 hr) • rain on snow |
| Water turbidity (cm visibility) <i>5cm</i> | Temperature °C (leave thermometer 2 min.) air <i>7°</i> water <i>8.5°C</i> | |
| Measurements taken every <i>0.5</i> m | | |
| Bankfull Channel width <i>4.76</i> (m) | Average depth <i>1.63</i> (m) | |
| Wetted Channel width <i>3.3</i> (m) | Average depth <i>0.16</i> (m) | |

(Start Point)

First and Last Measurements taken 0.1 m from streambank edge

(End Point)

| | | | | | |
|----------------|----|-----|-----|-----|----------------|
| Left Bank | m | 0.5 | 1.2 | 3.5 | Right Bank |
| Wetted Depth | cm | 14 | 5 | 21 | Wetted Depth |
| Bankfull Depth | m | 1.5 | 1.3 | 1.1 | Bankfull Depth |

| | | | | | |
|----------------|----|------|-----|-----|----------------|
| Left Bank | m | 0.10 | 0.6 | 1.5 | Right Bank |
| Wetted Depth | cm | 12 | 19 | 8 | Wetted Depth |
| Bankfull Depth | m | 3.0 | 3.0 | 3.0 | Bankfull Depth |

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

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Introductory Stream Habitat Survey

Streamkeepers Module 1

revision - March 2000

* NOTE: WATER QUALITY ISSUES - need monitoring AND Assessment.

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 |
|-----------|-------------|----------------------------|---|----------------------|---------------------|--|
| 1. 11 | 3 26 | 2m | Enhancement Rock Wier. width = 6m length = 2.5m | Instream | | Functioning - water Quality - Murky grey. |
| 2. 12 | 4 | 3m | BANK MODIFICATION ↓ 1.6m x 5m ← | L | - | large concrete SLABS. - NOT FUNCTIONAL - water quality murky - grey. |
| 3. 12 | 5 | 0m | BANK MODIFICATION ↓ 1.2m x 5m | R | - | Rock placement Assorted size 14m to 1cm |
| 4. 13 | 2 6 7 | 8m | Culvert DIA = 1.5m length = 10m out FALL 1.5m | R | - | Passage Barrier * e trail crossing - NO BAFFLES limited Plung Pool pool = 5m to 10m. |
| 5. 13 | 6 | 0m | Culvert DIA = 0.8m length = 10m out FALL = 1.40m | Center | - | - Flowing - NO Fish PASSAGE! Past this. - water murky. * |

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

General comments on this section of the stream

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Module 1

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|-----------|---------|----------------------------|--|----------------------|---------------------|--|
| 6. 13 | 6 7 | 6m | Culvert DIA = 0.80m length = 10m outfall = 1.40m. | L | - | FISH PASSAGE BARRIER - Flowing - water quality murky/grey. |
| 7. 14 | 8 | 15m | Enhancement Rock Weir width = 8m length = 3.5m | Instream | P | OLD installation still functioning - water quality |
| 8. 15 | 9 11 | 11m | Culvert e CPR Rail-tracks. DIA = 1.6m length = 38m outfall = 1.42m | Instream | U | NO BAFFLED. - potential FISH PASSAGE BARRIER. |
| 9. 16 | 12 | 40m | Artificial Modification ↑ 70cm x 11m Bank stabilization Rock - Avg 60cm | L | U | Stable. |
| 10. 17 | 13 | 16 | Log Jam - height = 1.0m - width = 4.2m - DIA = 30cm - length = 1.75m | R | U | - Potential Barrier, req's monitoring! |

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|-----------|-----------------|----------------------------|---|----------------------|---------------------|--|
| 11. 18 | 14 15 16 | 18m | BANK Erosion top slice ↑ 2.6m x 28m | L | U | SLUMPING! ↳ impacting creek. |
| 12. 19 | 17 18 | 54. | log Jam ↓ 1.2m x 5m ← length = 3m. | Instream | U | Passage Barrier for Adults * |
| 13. 20 | 19 20 24# | 44m | ARTIFICIAL MODIFICATION BANK stabilization ↓ 2m x 28m. rock avg = .6m to .8m | L-R | U | * Water murky AND increased during survey. * |
| 14. 21 | 21 23 24# | 28m | Culvert AT Hi-way #1 DIA = 1.5m outfall = 1.3m plunge pool = 50cm | Instream | | * length > 50m no passage past. * Water Quality - murky / grey |
| 15. 21 | 21 24 | 0m | END Pt e Hiway #1 crossing & Culvert. | — | — | * NEED TO LOCATE SOURCE OF POLLUTION + INFLUENCE OF INCREASED WATER. |

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General comments on this section of the stream