

# Advanced Stream Habitat Survey Field Data Sheet

(use a new data sheet for each reference site surveyed)

Module 2: (con't)

Stream Name <b>HOY CREEK</b>	Date <b>18/02/09</b>
Stream segment and section #'s <b>SECTION 4</b>	

## STEP 4.2 LONGITUDINAL SURVEY, HABITAT QUALITY

<b>1. Streambed material</b> Collect 25 samples 1 25 8 26 15 19 22 8 2 5 9 34 16 29 23 14 3 10 10 4 17 18 24 27 4 31 11 2 18 3 25 6 5 6 12 12 19 15 6 4 13 37 20 13 7 9 14 6 21 21		% fines (<0-2cm) - ladybug size and smaller % gravel(0.2-5 cm) - ladybug to tennis ball % cobble (5-25cm) - tennis ball to basketball % boulder (>25cm) - bigger then a basketball with definable edges % bedrock - slab of rock	Fines = <u>1</u> % Gravel = <u>30</u> % Cobble = <u>60</u> % Boulder = <u>9</u> % Bedrock = _____ % Cobble + Boulder Total = <u>69</u> %
<b>2. % embeddedness - cover of gravel and cobble by fine sediment</b> <u>20</u> %			
<b>3. Instream cover</b> LWD <u>3</u> m Rooted cutbank <u>13</u> m		<u>1</u> # pieces LWD + <u>3</u> # rooted cutbanks = <u>8.2</u> ÷ <u>16.</u> = <u>51.2</u> % total cover (length of reference site ÷ bankfull width) instream cover	
<b>4. Percent pool habitat</b> survey site slope <u>4°</u> total length of reference site (m) <u>53.5</u>		total length of pools (m) <u>13.5</u> m % pool habitat <u>25.2</u> %	
<b>5. Off channel habitat</b> (if present, describe habitat type, size, and whether it is seasonal or year-round)		description	PRESENT ABSENT
<b>6. Bank stability</b> (left or right bank facing downstream) # active bank erosion bank stabilization # slides reaching the channel		# of sites and length of bank affected (m) LEFT BANK      RIGHT BANK <u>#1 (6m)</u> <u>#2 (14m)</u> <u>0</u> <u>0</u> <u>0</u> <u>#1 (2m)</u>	
<b>7. Length of bank with no vegetation</b> (m)		LEFT BANK <u>0</u>	RIGHT BANK <u>0</u>
<b>8. Overhead canopy</b>		% bankfull channel covered by overhanging branches <u>80%</u>	
<b>9. Riparian zone</b> type and amount of vegetation		# of channel widths <u>&gt; 10</u> coniferous trees none <input type="checkbox"/> few <input type="checkbox"/> many <input checked="" type="checkbox"/> deciduous trees none <input type="checkbox"/> few <input type="checkbox"/> many <input checked="" type="checkbox"/> shrubs none <input type="checkbox"/> few <input type="checkbox"/> many <input checked="" type="checkbox"/> grasses none <input checked="" type="checkbox"/> few <input type="checkbox"/> many <input type="checkbox"/>	
Adjacent land use and impacts <u>LB Riparian zone / Houses, minimum setback ≈ 20m RB</u>			

Section #4 4/5