

Channel/Riparian Transect Form

Student Worksheet

Site Code: _____	Date: ____/____/20____	Transect: _____
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Substrate Cross-Sectional Information				
Dist LB XX.XXm	Depth XXXcm	Size Class Code	Cobble Embed. 0-100%*	
Left				
Lctr				
Ctr				
Rctr				
Right				
Substrate Size Class Codes				
RS = Bedrock (Smooth)—Larger Than a Car				
RR = Bedrock (Rough)—Larger Than a Car				
RC = Concrete/Asphalt				
LB = Larger Boulder (1000 to 4000 mm)—Meter stick to Car				
SB = Small Boulder (250 to 1000 mm)—Basketball to Meter stick				
CB = Cobble (64 to 250 mm)—Tennis ball to Basketball				
GC = Coarse Gravel (16 to 64 mm)—Marble to Tennis ball				
GF = Fine Gravel (2 to 16 mm)—Ladybug to Marble				
SA = Sand (0.06 to 2 mm)—Gritty up to Ladybug				
FN = Silt/Clay/Muck—Not Gritty				
HP = Hardpan—Firm Consolidated Fine Substrate				
WD = Wood—Any Size				
OT = Other (write comment below)				
* Cobble Embeddedness on first 25 cobbles only.				

Habitat Complexity						
Cover in Channel	0 = Absent (0%) 1 = Sparse (<10%) 2 = Moderate (10-40%) 3 = Heavy (40-75%) 4 = Very Heavy (>75%)					Circle one
Estimate channel features for the stream section 5m above and 5m below transect.						
Filamentous Algae	0	1	2	3	4	
Macrophytes	0	1	2	3	4	
Woody Debris >0.3 m (Big)	0	1	2	3	4	
Brush/Woody Debris <0.3 (Small)	0	1	2	3	4	
Live Tree Roots	0	1	2	3	4	
Overhanging Vegetation </= 1 m of surface	0	1	2	3	4	
Undercut Banks	0	1	2	3	4	
Boulders	0	1	2	3	4	
Artificial Structures	0	1	2	3	4	

Name _____

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Student Worksheet (continued)

Densimeter (0-17 Max)	
Left Bank	
Center Up	
Center Down	
Right Bank	
Center Left*	
Center Right*	
*Center Left and Center Right Optional	

Visual Riparian Estimates	0 = Absent (0%) 1 = Sparse (<10%) 2 = Moderate (10-40%) 3 = Heavy (40-75%) 4 = Very Heavy (>75%) Circle one									
	Visual Riparian Estimates made 5m above and 5m below the transect and 10m to the side starting at the bank. Orientation is looking downstream.									
Vegetation Cover	Left Bank					Right Bank				
Canopy (>5m High)										
BIG Trees (Trunk >0.3m DBH)	0	1	2	3	4	0	1	2	3	4
SMALL Trees (Trunk <0.3m DBH)	0	1	2	3	4	0	1	2	3	4
Understory (0.5 to 5m High)										
Woody Shrubs and Saplings	0	1	2	3	4	0	1	2	3	4
Non-Woody Herbs, Grasses, Forbs	0	1	2	3	4	0	1	2	3	4
Ground Cover (<0.5m High)										
Woody Shrubs and Saplings	0	1	2	3	4	0	1	2	3	4
Non-Woody Herbs, Grasses, Forbs	0	1	2	3	4	0	1	2	3	4
Barren, Bare Dirt or Duff	0	1	2	3	4	0	1	2	3	4

Comments: _____
