Channel/Riparian Transect Form

Student Worksheet

Site Code:	Date:// 20	Transect:
------------	------------	-----------

Substrate Cross-Sectional Information									
Dist LB XX.XXm Depth XXXcm Size Class Code Cobble Ember									
Left									
LCtr									
Ctr									
RCtr									
Right									
Substro	ite Size Class Code	S							
RS = Be	edrock (Smooth)—L	arger Than a Car							
RR = Be	edrock (Rough)—Lo	arger Than a Car							
RC = C	oncrete/Asphalt								
LB = Larger Boulder (1000 to 4000 mm)—Meter stick to Car									
SB = Sn	nall Boulder (250 to	1000 mm)—Basketbal	I to Meter stick						
CB = C	obble (64 to 250 m	m)—Tennis ball to Basl	ketball						
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)									
* Cobb	* Cobble Embeddedness on first 25 cobbles only.								

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

Channel/Riparian Transect Form

Student Worksheet (continued)

Densiometer (0–17 Max)	
Left Bank	
Center Up	
Center Down	
Right Bank	
Center Left*	
Center Right*	
*Center Left and Center Right Optional	

Visual	Riparia	n Estim	nates

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		Rigl	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)						<u>^</u>				
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: _____

Channel/Riparian Transect Form

Student Worksheet (continued)

Human Influence	0 = Not Present B = On Bank C = Within 10m of Channel P = > 10m of Channel CH = Within Channel								
	Left I	Bank				Right	Bank		
Wall/Dyke/Rip-rap/ Revetment/Dam	0	В	С	Р	СН	0	В	С	Р
Buildings	0	В	С	Р	СН	0	В	С	Р
Pavement/Cleared Lot	0	В	С	Р	СН	0	В	С	Р
Road/Railroad	0	В	С	Р	СН	0	В	С	Р
Pipes (Inlet/Outlet)	0	В	С	Р	СН	0	В	С	Р
Landfill/Trash	0	В	С	Р	СН	0	В	С	Р
Park/Lawn	0	В	С	Р	СН	0	В	С	Р
Row Crops	0	В	С	Р	СН	0	В	С	Р
Pasture/Range/Hayfield	0	В	С	Р	СН	0	В	С	Р
Logging Operations	0	В	С	Р	СН	0	В	С	Р
Mining Activity	0	В	С	Р	СН	0	В	С	Р

Inter-Transect Substrate Cross-Section Information Taken 7.5m above Transect							
Left							
LCtr							
Ctr							
RCtr							
Right							

Comments: _____