Riverine Habitat Audit Procedure— SHEET 6 Cross- Sections

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Basin | Sub-section | Site | Section Number for This reach

SITE CODE

One or more cross-sections (separate sheets) are required for each channel habitat type within the reach. Begin at the water's margin on the left bank and take a series of distance and depth measurements. A minimum of 3 measurements is required for each cross-section including the width of stream. Also measure the width, height and slope for the left and right banks.

Lower bank = surface to water mark. If bed dry measure depth at water mark level.

Upper bank = water mark to inflexion point on the bank

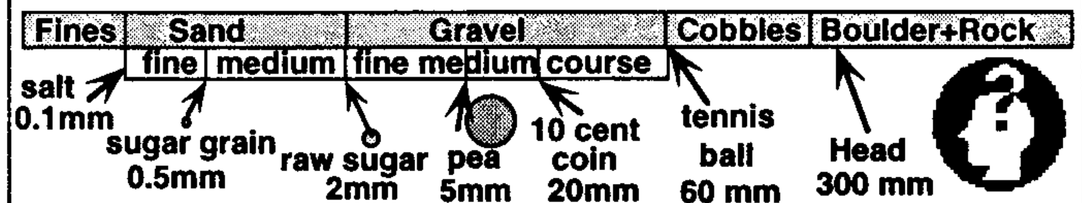
1 TYPE

Pool 1 | Riffle 2 | Run 3 | Glide 4 | Cascade 5 | Rapid 6 | Backwater 7 | Other ____ 8

2 Length of Type (m) | Av. Width of Type (m) | Av. Depth of Type (m)

Sediment Classification

Sediment classes are those of the SAA which are easier to estimate visually - estimate % of total inorganic volume occupied by each catgeory. Estimate organics as % of total vol. Record presence of each type (esp. max. and min. sizes) and % vols for major fractions.



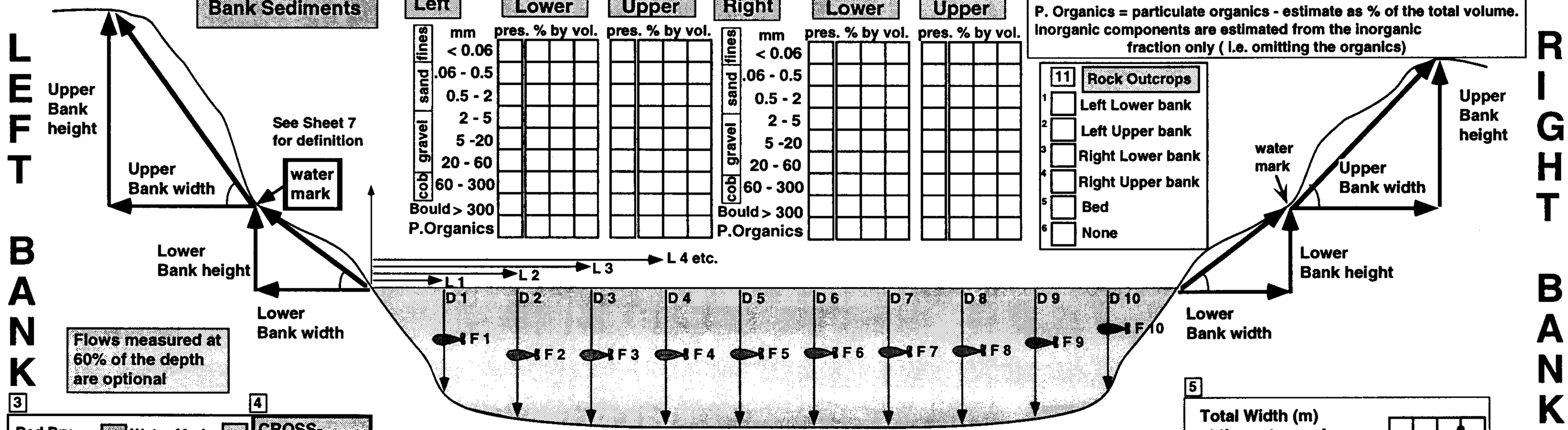
P. Organics = particulate organics - estimate as % of the total volume. Inorganic components are estimated from the inorganic fraction only (i.e. omitting the organics)

Bank Sediments

	Left Lower 7		Left Upper		Right Lower 10		Right Upper	
	mm	pres. % by vol.	pres. % by vol.		mm	pres. % by vol.	pres. % by vol.	
fines	< 0.06				< 0.06			
sand	.06 - 0.5				.06 - 0.5			
	0.5 - 2				0.5 - 2			
gravel	2 - 5				2 - 5			
	5 -20				5 -20			
	20 - 60				20 - 60			
cob	60 - 300				60 - 300			
	Bould > 300				Bould > 300			
	P.Organics				P.Organics			

11 Rock Outcrops

1 Left Lower bank | 2 Left Upper bank | 3 Right Lower bank | 4 Right Upper bank | 5 Bed | 6 None



Flows measured at 60% of the depth are optional

3 Bed Dry - Depths @ water mark | Water Mark covered -no lower bank

4 CROSS-SECTION AT SURFACE

Cross- section readings across the bed (minimum of 3, maximum 15)

5 Total Width (m) at the water surface or where transect taken

	Reading 1	Reading 2	Reading 3	Reading 4	Reading 5	Reading 6	Reading 7	Reading 8
Dist (m)								
Depth (m)								
Flow (m/s)								
mm	pres. % by vol.							
< 0.06 (fines)								
.06 - 0.5 (sand)								
0.5 - 2 (sand)								
2 - 5 (gravel)								
5 -20 (gravel)								
20 - 60 (gravel)								
60 - 300 (cob)								
Bould > 300								
P.Organics								

Page No. for Extra Readings

5 LEFT LOWER BANK

Width (m) | Height (m) | Slope (deg.)

6 LEFT UPPER BANK

Width (m) | Height (m) | Slope (deg.)

8 RIGHT LOWER BANK

Width (m) | Height (m) | Slope (deg.)

9 RIGHT UPPER BANK

Width (m) | Height (m) | Slope (deg.)