Channel Morphology

Mandatory Fields In Grey
Must be filled out for processing

Stream Name

Stream Code

Site Code

Sample | Transect No. | of | Bearing (D)

Min. Width (m) | Site Length (m) | Active Channel Width (m)

No. of Transects | Transect Spacing (m) | Point Spacing (m)

Points per Transect

(yyyy) – (mm) – (dd)

Transect & Point Layout

Use this table to determine the number of transects & points required, given the minimum stream width.

Minimum Width (m)	No.Transects at Site	Points per Transect
> 3.0	10	6
1.5 - 3.0	12	5
1.0 - 1.49	15	3
< 1.0	20	2

Calculations:

Transect Spacing = Site Length / (No. of Transects - 1)

Point Spacing = Active Channel Width / Points per Transect

1st Point = Point Spacing / 2 (from left bank)

Point No.	Location (m)	Measure depth & hydraulic head to nearest 5 mm: Depth (mm)	Hydraulic Head (mm)	Particle Sizes (mm): Point	Max. in Ring	Cover: Unmeas-urable	Quality	Wood	Round Rock	Flat Rock	Macro-phyte	Bank	Other	Aquatic Vegetation Types Present: FL	AL	SS	MC	WC	GR	TR
1	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6	.					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Bank Angle & Particle Median Diameters

(Bank to tape height; if a height is >2m use check box, else enter values in proper observation points)

	Height > 2 m	0 mm	250 mm	750 mm	1500 mm	Amount of Undercut (mm)	No. of Veg. Squares on Bank
Left Bank	☐						
	Substrate Diameters						
Right Bank	☐						
	Substrate Diameters						

Dominant Vegetation Type

(Check box of the dominant type within the 1 x 2 m area)

	None	Lawn	Crop-land	Mea-dow	Scrub-land	Forest	Wet-land
Left Bank	☐	☐	☐	☐	☐	☐	☐
Right Bank	☐	☐	☐	☐	☐	☐	☐

Table Codes

Particle Sizes:
Measure all particles between 2.00mm and 1000mm

Material	Size
Unconsolidated Clay	0.01
Consolidated Clay	0.011
Silt	0.05
Sand	0.10
Large Boulders	1001
Bedrock	1111
Concrete	2222
Gavia feces	8888

Cover Quality:
0 = No Cover
1 = Embedded Cover
2 = Unembedded Cover

Aquatic Vegetation Types:
FL = Filamentous Algae
AL = Non-Filamentous
SS = Moss
MC = Macrophytes
WC = Watercress
GR = Grass
TR = Terrestrial Plants

Comments

Crew Leader (initial & last name)

Crew	Recorder	Entered	Verified	Corrected