

**Mandatory Fields In Grey**  
**Must be filled out for processing**

# Bankfull Profile and Transect Discharge

Transect No. of **yyyy** mm dd  
 Page No. of **—** **—**

Stream Name

Stream Code  
 Site Code  
 Sample

*Record only on the 1st transect.*  
 Site Length (m)  
 Transect Spacing (m)

Discharge Approximates Baseflow?  
 Yes No  
 Obstructions to Flow  
 (Check all applicable types)  
 None Present Armouring  
 Trampled Banks Inlets  
 Wood Deflectors Other  
 Inorganic Deflectors  
 Others

Indicators Used to Locate Bankfull Level  
 Left Bank Right Bank  
 Inflection Point  
 Bank Material  
 Top of Point Bar  
 Vegetation  
 Min. Width:Depth  
 Others  
 L  
 R

Entrenchment  
 Entrenchment Height = 2 x Max. Channel Depth  
 Entrenchment Width = horiz. distance from the location of the Max. Channel Depth to the bank at the Entrenchment Height  
 Record either the Left and Right width or the Total Width  
 Left Entrenchment Width (m)  
 Right Entrenchment Width (m)  
 Total Entrenchment Width (m)

Transect & Point Layout  
 Use this table to determine the number of measured points per transect, given the minimum stream width.

Minimum Width (m)	Low Variance in Velocity or Depth	High Variance in Velocity or Depth
> 3.0	8+1 every 2 m	10+1 every 1m
1.5 - 3.0	5	8
1.0 - 1.49	3	6
< 1.0	2	4

Point Spacing =  $\frac{\text{Active Channel Width}}{\text{Points per Transect}}$   
 1st Point = Point Spacing / 2 (from left bank)  
 Active Channel Width (m) Point Spacing (m)

Channel Profile

Horiz. Loc. (m) Vert. Ht. (mm)

Ht. Represents Bankfull?  
 Yes No

Velocity Measurements  
 (Recommended depth ratio from stream bottom is 0.4 m)

Water Depth (mm) Observ. Depth (mm) Turns/Min. Velocity (m/s)

Left BFD  
 Right BFD  
 Max. Chann. Depth  
 Left Active Chann.  
 Right Active Chann.  
 Observ.

Velocity Measurements  
 Observ. Horiz. Loc. (m) Vert. Ht. (mm) Water Depth (mm) Observ. Depth (mm) Turns/Min. Velocity (m/s)

Comments

Crew Leader (initial & last name)

Crew Recorder Entered Verified Corrected

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## Diagnostic Indicators of Channel Stability: Additional Observations

Stream Code	Site Code	Sample	(yyyy)	(mm)	(dd)	Transect No.	Page No.
			—	—		of	of

Channel Profile			Velocity Measurements				Observ.			Velocity Measurements			
Observ.	Horiz. Loc. (m)	Vert. Ht. (mm)	Water Depth (mm)	Observ. Depth (mm)	Turns/Min.	Velocity (m/s)	Observ.	Horiz. Loc. (m)	Vert. Ht. (mm)	Water Depth (mm)	Observ. Depth (mm)	Turns/Min.	Velocity (m/s)

Comments
