

Form A.6.1--GEOMORPHIC DATA				Date:	Observer:
Watershed Name:				Database Code:	
UTM Zone:				Elevation (m):	
UTMs: Northing				Easting	
Location in Basin:	Low	Mid	High	Reach Length of Observations (m):	
Definitions of terms and methods for the variables collected are in Appendix 6, exhibit A.6.1. Use consistent units for all measurements.					
Channel Character and Form					
Flow Type:	Perennial		Ephemeral		
Flow/Water Width (m):			Flow Depth (m):		
Bankfull Channel Width (m):			Bankfull Channel Depth (m):		
Channel Slope:	distance (m):		clinometer height (m):		
	stadia height (m):		slope:		
Sediment Size and Mobility					
Bed Particle Size:	approx. D ₅₀ :		approx. max. (avg. 10 largest):		
Bank/Valley Fill Sediment Size (%):			gravel/boulders	mixed gravel/fines	fines (<2 mm)
Bed Clast Immobility (% of channel bed):			>75%	50-75%	10-50% <10%
Pebble Count Taken:	yes	no			
Cross-section Taken:	yes	no			
Sediment Availability					
Bar Frequency (# per reach in channel):	none	few (1-2)	common (3-4)	many (>4)	
Bar Extent (% of channel bed):	none to 10%	10-20%	20-30%	>30%	
Gravel Bars on Valley Floor (# per reach):	none	few (1-2)	common (3-4)	many (>4)	
Evidence of Incision within the study reach					
Fan Steps at the Reach:	yes	no	If yes, range in height(s) (m):		
Knickpoints (# per reach):	none	few (1-2)	common (3-4)	many (>4)	
Knickpoint Height (cm):	none	0-25 cm	25-50 cm	> 50 cm	
Knickpoint Composition:	bedrock	boulders	unconsol. sediment (gravel/silt/clay)		roots
Inset Terraces (#):	none	1	2	3	>/=4
Incision Depth (m):	none	0-1 m	1-2 m	>2 m	
Bedrock Outcrops (% of channel bed):	none	localized (<25%)		extensive(>25%)	
Headcuts (# per reach):	none	few (1-2)	common (3-4)	many (>4)	
Headcut Height (m):	no headcuts		0-1 m	1-2 m	>2 m
Evidence of Avulsion and Avulsion Channels within the study reach					
Anabranching Channels (# per reach):	none	few (1-2)	common (3-4)	many (>4)	
Gravel Filled Channels (# per reach):	none	few (1-2)	common (3-4)	many (>4)	
Gravel Aggradation/Debris Dams (# per reach):	none	few (1-2)	common (3-4)	many (>4)	

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Location in Basin:

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Mid

High

Reach Length of Observations:

Sketch of Stream Cross-sectional Profile: See Appendix 6, figure A.6.1 for an example sketch of a cross-sectional profile. Include all topographic features as well as bars, bank characteristics, and other features of geomorphic significance. Include the vertical and horizontal scale. Where sampled reaches are near fan steps, headcuts, or other significant geomorphic features, also include a longitudinal sketch. See Part I, figure 14 for an example of a longitudinal profile illustrating a fan step downstream of a meadow.