

Form A.10.1–Score Sheet for Watershed Sensitivity and Resilience		Date:			
Observer:		Database Code:			
Watershed Name:		Basin Type(s) (A1, A2, B, C):			
Vegetation Type(s) (check): Subalpine-montane conifer (SC); <i>Populus tremuloides</i> (PT); Cold willow (CW); <i>Betula occidentalis</i> (BA); Warm willow (WW); Cottonwood (CT); <i>Artemisia</i> (AR); Meadow (MD)					
General Watershed Characteristics – Form A.4.1					
Mean Annual Precip (mm)	1 = <350, 2 = 350-475, 3 = 475-600, 4 = >600				
Watershed Area (km ²)	1 = <10, 2 = <10-25, 3 = 25-50, 4 = >50				
Basin Connectivity (%)	1 = <80, 2 = 80-90, 3 = 90-95, 4 = >95				
Past Debris Flows (# of flows)	0 = 0-10, 1 = 10-20, 2 = 20-40, 3 = >40				
Fan Influence	0 = basin wide, 1 = regional, 2 = localized, 3 = none				
Watershed characteristics sum					
Geomorphic and Riparian Vegetation Characteristics – Forms A.6.1 and A.7.1					
Reach 1 = high, 2 = mid, 3 = low, 4 = additional (mark choice(s))					
Leave Reach 4 blank if not sampled.					
	1	2	3	4	
Sediment Size and Availability					
Bank/Valley Sediment Size	1 = gravel/boulders, 2 = mixed coarse/fines, 3 = fines				
Bed Clast Immobility (% of bed)	1 = >75%, 2 = 50-75%, 3 = 10-50%, 4 = <10%				
Dominant Vegetation	1 = woody species, 2 = mixed woody/grasses/forbs, 3 = grasses/forbs				
Bar Frequency (#)	0 = none, 1 = few (1-2), 2 = common (3-4), 3 = many (>4)				
Bar Extent (% of bed)	0 = none to 10%, 1 = 10-20%, 2 = 20-30%, 3 = >30%				
Gravel Bars on Valley Floor	0 = none, 1 = few (1-2), 2 = common (3-4), 3 = many (>4)				
Sediment size and availability sum for each reach					
Control subtotal (watershed characteristics + sediment size & availability) for each reach					
Evidence of Incision					
Knickpoints (#)	0 = none, 1 = few (1-2), 2 = common (3-4), 4 = many (>4)				
Knickpoint Height (cm)	0 = none, 1 = 0-25 cm, 2 = 25-50 cm, 3 = >50 cm				
Insert Terraces (#)	0 = none, 1 = few (1), 2 = common (2-3), 3 = many (>4)				
Incision Depth (m)	0 = none, 1 = 0-1 m, 2 = 1-2 m, 3 = >2 m				
Bedrock Outcrops (% of bed)	0 = extensive, 1 = localized, 2 = none				
Headcut Height (m)	0 = none, 1 = 0-1 m, 2 = 1-2 m, 3 = >2 m				
Reduced Riparian Extent	0 = none, 1 = 1-10%; 2 = 10-30%, 3 = >30%				
Riparian Plants Only in Trench	0 = none, 1 = little, 2 = common, 3 = widespread				
Incision evidence subtotal for each reach					
Evidence of Avulsion					
Anabranching Channels	0 = none, 1 = few, 2 = common, 3 = many				
Gravel Filled Channels	0 = none, 1 = few, 3 = common, 3 = many				
Gravel Aggradation/Debris Dams	0 = none, 1 = few, 2 = common, 3 = many				
Abrasion-adapted Plants	0 = none, 1 = few, 2 = common, 3 = many				
Avulsion evidence subtotal for each reach					
Reach Incision Sensitivity Index: (subtotal of controls/10) × subtotal of incision					
Reach Avulsion Sensitivity Index: (subtotal of controls/10) × subtotal of avulsion evidence					
Average of All Reaches within Basin Type: Incision Sensitivity = _____ Avulsion Sensitivity = _____ (Based on percentage of the watershed or basin type that each stream reach represents)					