

RIVER HEALTH EVALUATION FORM

Process/Attribute	Alternate Bar Morphology	Frequent Bed Mobility	Bar Scour	Balanced Sediment Budget	Channel Migration	Floodplain Inundation	Large Floods	Diverse Riparian	Groundwater Connectivity	LWD Budget	Nutrient Cycling
Metric	Bars free to form in alluvial reaches; less than 10% of reach confined by man-made obstacles	Transport of sediments up to D50 diameter across active bar surfaces, every two years on average	Scour to depth of 2 D84 on 50% of active bar surfaces, every 2-3 years on average	Sediment transport and storage in sub-reaches supports alternate bar morphology where confinement allows. Sediment input is balanced with sediment output over time.	Channel free to migrate in response to flows above 25-year recurrence, free from confinement by man-made obstacles	75% of floodplain is inundated every 2 years, on average	Channel and floodplain attuned to 25+ year recurrence interval floods, allowing for substantial channel re-setting (e.g. avulsions)	Riparian vegetation is sustained in a complex mosaic of native species and seral stages	Variations in groundwater elevation attuned to lifecycles of native riparian and floodplain plant species	Density/volume of LWD and density/volume of recruitable species (e.g. older cottonwoods) is sustained over time at levels sufficient to ...?	?
Scoring*											

* 2 = supports; 1 = no significant impact; 0 = obstructs