Worksheet 14 Summary of Stability Condition Categories for Channel Process Assessment

Stream:		**Location:**				**Date:**	**Observers:**
Channel Influence Variables	Stream Type:	Flow Regime:	Stream Size:	Stream Order:	Meander Pattern:	Depositional Pattern:	Debris/Channel Blockage:
	Riparian Vegetation: Current Compo/density:		Potential Comp/density:		Altered Channel State: Dimension, Pattern, Profile, Materials:		
Channel Dimension	Mean Bankfull Depth (ft):	Mean Bankfull Width (ft):	Width/Depth Ratio (ft):	Remarks:			
Channel Dimension Relationships	Existing Width/Depth Ratio(W/D_{ex}):	Reference Condition Width/Depth Ratio (W/D_{ref}):	(W/D_{ex})/ (W/D_{ref}):	Circle: Stable	Moderately Unstable	Unstable	Highly Unstable
Channel Pattern		MWR	Lm/W_{bkf}	Rc/W_{bkf}	Sinuosity	Remarks:	
	Mean (Range)						
River Profile and Bed Features	Circle: Riffle/Pool	Step/Pool	Plane Bed	Convergence/Divergence	Dunes/antidunes/smooth bed		
	Max Bankfull Depth (ft): Riffle	Pool	Depth Ratio (Max/Mean): Riffle	Pool	Pool to Pool Spacing:	Slope Valley:	Average Bankfull:
Channel Stability Rating	Pfankuch Rating:		Pfankuch Adjusted by Stream Type:				
Vertical Stability	Bank Height Ratio:	Stable	Moderately unstable	Unstable	Highly Unstable	Width of Flood Prone Area (ft):	Entrenchment Ratio:
Bank Erosion Summary	Length of Bank Studied (ft):	Annual Streambank Erosion Rate (tons/yr):	Curve Used:		Dominant BEHI:	Dominant NBS:	
Stream Channel Scour/Deposition Potential	Largest Particle - Bar Sample (mm):	τc:	Existing $Depth_{BKF:}$	Required $Depth_{BKF:}$	Existing $Slope_{BKF:}$	Required $Slope_{BKF:}$	
	Circle: Stable	Aggradation	Degradation	Enlargement			
Stream Evolution Scenario	→	→	→	→	→	Existing Stream State (type):	Potential Stream State (type):
Sediment Supply (Channel Source)	Circle: High	Moderate	Low	Score:	Remarks:		