

Appendix 5
Assessment Metric Value Ranges

Assessment Functions and Metrics	Assessment Metric Value Range per Function Rating		
	F	FR	NF
Habitat Function			
Habitat Field Assessment	> 80	80-50	< 50
Land Use	Forested	Forested/Agriculture	Forested/Agriculture/Residential
Habitat Fragmentation	Assigned higher functional ratings to those FAU's containing larger, contiguous areas or patches of minimally impacted land uses suitable for habitat. Such land uses included forested lands, natural herbaceous lands, shrub/grassy balds, fallow fields, we		
Riparian Corridor Condition	Intact (buffer width > 30 feet on both banks)	Moderate Impact (buffer width < 30 feet on both banks or > 30 on one bank and absent on the other)	Severe Impact (buffer absent on both banks or absent on one bank and buffer width < 30 feet on the other)
Substrate Analysis	RAC's having a unimodal distribution of substrate with a diverse mix of class sizes ranging from fine (silt) to very coarse (cobbles and boulders) generally received higher functional ratings. RAC's having a bimodal distribution of substrate and/or a pro		
Hydrologic Function			
Bank Height Ratio	less than or equal to 1.0	1.1 - 1.5	> 1.5
Width/Depth Ratio	8 -16	8 - 6 or 16 - 20	< 6 or > 20
Incision (from Channel Evaluation Form)	> 3	2 - 3	< 2
Riparian Corridor Condition	Intact (buffer width > 30 feet on both banks)	Moderate Impact (buffer width < 30 feet on both banks or > 30 on one bank and absent on the other)	Severe Impact (buffer absent on both banks or absent on one bank and buffer width < 30 feet on the other)
Sediment Transport	RAC's having an existing depth or slope that is approximately 2 times greater or less than the required (critical) depth or slope as determined from the competency analysis generally received a rating of 'Not Functioning'. Such an increase or decrease i		
BEHI	< 50 tons per 1000 feet of stream channel	50 - 1000 tons per 1000 feet of stream channel	> 100 tons per 1000 feet of stream channel
Land Use	Forested	Forested/Agriculture	Forested/Agriculture/Residential
Water Quality Function			
Ambient Monitoring Data (DWQ)	RAC's within monitored subwatersheds reporting several exceedances in bench mark values (for field parameters, nutrients, and fecal coliform bacteria) typically received a rating of 'Not Functioning'.		
Benthic Monitoring Data (DWQ)	Excellent - Good	Good Fair - Not Impaired	Fair - Poor (includes Not Rated for small non-reference streams)
Fish Monitoring Data (DWQ)	Comprehensive review of fish community data including tolerance ratings, adult trophic guild assignments, species abundance, and electroshocking data		
Riparian Corridor Condition	Intact (buffer width > 30 feet on both banks)	Moderate Impact (buffer width < 30 feet on both banks or > 30 on one bank and absent on the other)	Severe Impact (buffer absent on both banks or absent on one bank and buffer width < 30 feet on the other)
BEHI	< 50 tons per 1000 feet of stream channel	50 - 1000 tons per 1000 feet of stream channel	> 100 tons per 1000 feet of stream channel
Erosion (from Channel Evaluation Form)	< 3	2 - 3	< 2
Land Use	Forested	Forested/Agriculture	Forested/Agriculture/Residential