

Appendix F: Interpretation Guide

Category	Evaluation Criteria Description	Scoring System*
Structure Condition	A combined evaluation of multiple condition parameters (headwall, wingwall, overall structure, scour).	1 = Multiple indicators of good condition 5 = Multiple indicators of poor condition
Tidal Range Ratio	US/DS comparison of difference between high water stain indicator and low tide water elevation.	1= US/DS tidal range are similar 5= US/DS tidal range are significantly different
Crossing Ratio	Comparison of structure opening width to channel width (US/DS).	1 = Crossing and channel have similar width 5 = Channel width is significantly larger than structure width.
Erosion Classification	Comparison of channel width to the width of scour pool (US/DS)	1 = No pooling/scour 5 = Major pooling/scour
Tidal Restriction Overall	Rolled-up score that averages Tidal Range Ratio, Crossing Ratio and Erosion Classification scores.	1 = No Tidal Restriction 5 = Significant Tidal Restriction
Tidal Aquatic Organism Passage	See Tidal Range Ratio above.	See Tidal Range Ratio above
Salt Marsh Migration Potential (Evaluation Unit)	An evaluation of the amount of acreage available for salt marsh migration within the wetland unit immediately US of a crossing.	1 = Little or no migration potential 5 = Ten or more acres of migration potential
Salt Marsh Migration Potential (Watershed)	An evaluation of the total amount of acreage available for migration of salt marsh within the total US watershed.	1 = Little or no migration potential 5 = Ten or more acres of migration potential
Vegetation Comparison	US/DS comparison of vegetation community and presence of invasive species.	1 = US/DS vegetation similar & no invasives 5 = US/DS vegetation different & invasives present
Inundation Risk to Roadway	Comparison of high water wrack and road surface elevation (US/DS)	1 = Roadway at low risk of inundation 5 = Roadway at high risk of inundation
Inundation Risk to Structure	Comparison of high water stain and culvert ceiling (US/DS)	1 = Structure is at lower risk of inundation 5 = Structure is inundated on a regular basis.
Inundation Risk to Low-Lying Infrastructure**	Evaluates the risk of full tidal flow to nearby (non-transportation) development.	1 = Five or more impacts 5 = No Impacts
Overall Infrastructure	Rolled-up score combining: Structure Condition and both Inundation Risk scores.	1 = Good Condition, low Inundation Risk 5 = Poor Condition, high Inundation Risk
Overall Ecological	Rolled-up score combining: Tidal Restriction, Tidal Aquatic Organism Passage (TAOP), Salt Marsh Migration, and Vegetation.	1 = No tidal restriction, low salt marsh migration potential, full TAOP, no change to vegetation 5 = Severe tidal restriction, no TAOP, high salt marsh migration potential, change to vegetation.
Overall Combined	Rolled-up score combining: Structure Condition, Tidal Restriction, Salt Marsh Migration, Vegetation, and Inundation Risk.	1 = Good condition, limited tidal restriction, full TAOP, low salt marsh migration potential, no change to vegetation, low inundation risk. 5 = Poor condition, severe tidal restriction, No TAOP, high salt marsh migration potential, change to vegetation, high inundation risk

US: Upstream, DS: Downstream

* Scoring system ranges from 1 to 5, where 1 = lowest replacement priority and 5 = highest replacement priority

**Inundation Risk to Low Lying Infrastructure Evaluation scores range from 1 to 5, where 1 = high risk and 5 = low risk.