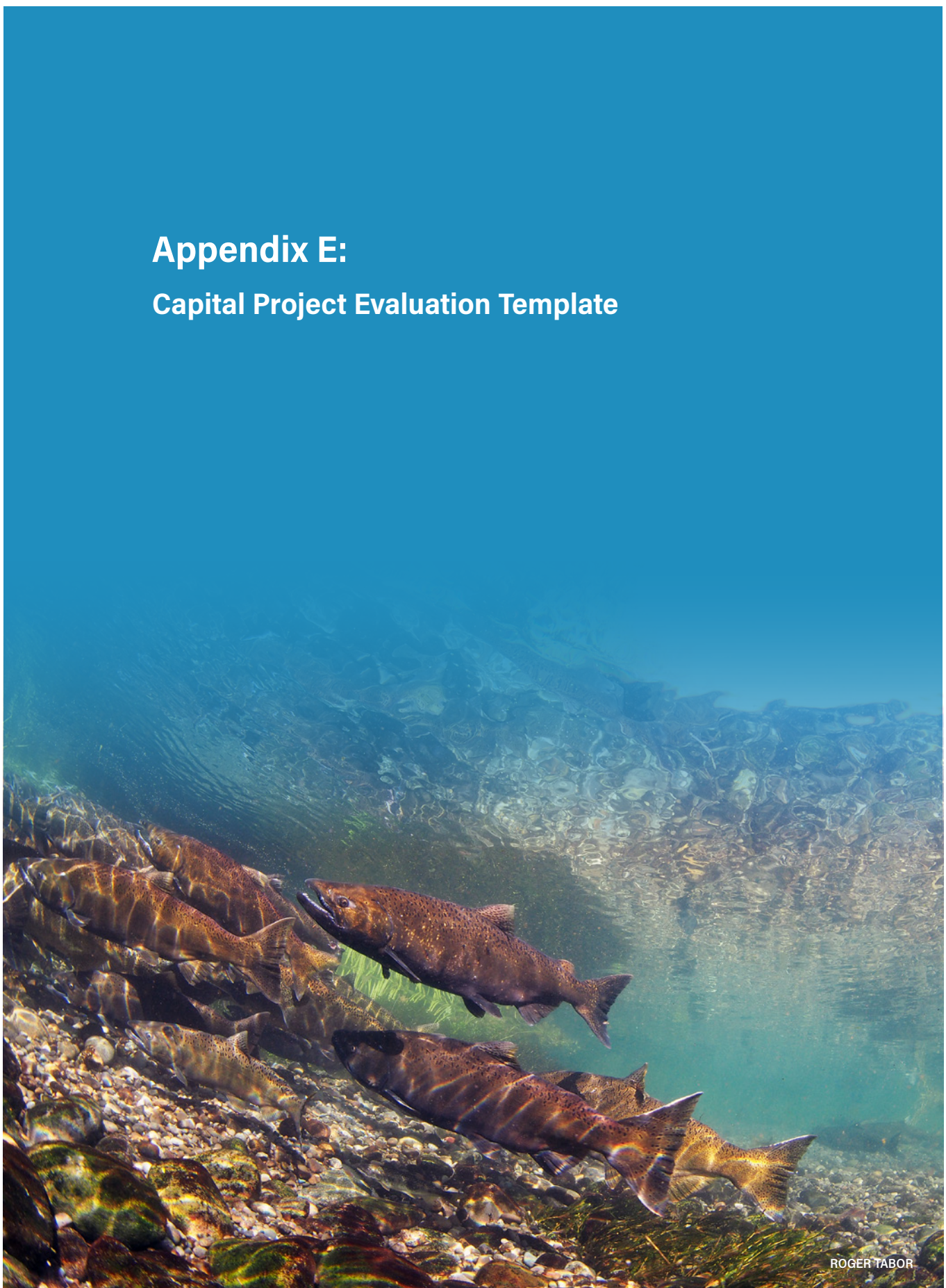


Appendix E:

Capital Project Evaluation Template



ROGER TABOR

CAPITAL PROJECT EVALUATION TEMPLATE

Nearshore Evaluation Criteria

Evaluation Criteria	Criteria Weight (sum to 100%)	Indicator of potential benefits	Details	How to assign values to input column
Evaluation level 1 - Identify the best places to do work				
Project size	25	Project area	Count only areas that will be part of habitat project--not entire parcel	Specify number of acres
Assumes most other benefits are positively correlated with size		Shoreline length	Measure length of existing shoreline, whether armored, or unarmored.	Specify number of linear feet (in 100's; ex 200 ft = 2)
		Location	Is the site in a high-value location?	Feeder bluff located in the first third of the drift cell (4 pts)
Feeder bluff elsewhere (2 pts)				
Pocket estuary/ stream mouth (2 pts)				
Priority in revegetation strategy (1 pt)				
	Drift cell condition	What percentage of the drift cell sediment sources are currently "intact"?	0-25% (0 pts) >25-75% (3 pts) >75% (2 pts)	
Evaluation Level 2 -Identify the projects that can generate the most lift				
Expected post-project benefits	75	Immediate habitat lift (rearing and forage fish/ intertidal)	Bulkhead removal (or stream bank armor for stream mouths)	Length of bulkhead removal; Linear feet (in 100's) *If soft shoreline armoring to replace it, add "1" to input cell
			Fill removal	Acres of potential fill removal
			Pocket estuaries	If project restores the hydrology and extent of a pocket estuary (3 pts)
			Overwater structures	If removing (3 pts)
		If upgraded to non-creosote and light-transmitting (_ pts)		
		Long-term habitat lift (process-restoration)	Feeder bluff restoration	Percent of sediment sources restored of the drift cell by the project after restoration is eventually completed
			Riparian restoration (partial includes view corridors or relatively skinny widths)	100 ft wide or greater buffer (3 pts)
Partial buffer improvement (_ pts)				

Duwamish Evaluation Criteria

Evaluation Criteria	Criteria Weight (sums to 100%)	Indicator of potential benefits	Instructions	How to assign values
Evaluation Level 1				
Project size Assumes most benefits are positively correlated with size	25	Project area	Count only areas that will be part of habitat project--not entire parcel	Number of acres
		Shoreline length	Measure length of existing shoreline, whether armored, or unarmored. Creek scores = count only one bank.	Linear feet (in 100's)
		Location	Is the site in a higher value location?	River Mile 1.0-4.3 (1 pt)
				River Mile 4.3-5.5 (2 pts)
River Mile 5.6-10 (4 pts)				
Evaluation Level 2				
Expected post-project benefits (optional)	75	Immediate habitat lift (mostly substitution and creation)	BANK TREATMENTS: Estimate the change in the length of enhancement (100's of feet)	
			Resloping/benching (*0.4 pt)	Linear feet (in 100's)
			Wood for habitat (does not include soft armoring) (*0.2 pt)	Linear feet (in 100's)
			Revegetation length	Linear feet (in 100's)
			Revegetation width	165 ft wide (0.5 pt)
				100-165 ft wide (0.4 pt)
				50-100 ft wide (0.3 pt)
				<50 ft wide (0.1 pt)
			REARING HABITAT CREATION: Estimate the excavated area that will be wetted during Jan-June (at least)	Number in acres
		Change in length of erodible shoreline that can generate sediment and wood	Number of linear feet	
Hydrologic lift/connectivity	Will the project allow increased inflow to the site? Will it notch, move, remove a flood-containment levee or flap-gate, or lower the ground surface (e.g., through fill removal or other excavation) so that it floods more readily?	If yes, specify number of acres of reconnected floodplain or inundated area		

Lower Green Evaluation Criteria

Evaluation Criteria	Criteria Weight (sums to 100%)	Indicator of potential benefits	Instructions	How to assign values
Evaluation Level 1				
Project size Assumes most other benefits are positively correlated with size	25	Project area	Count only areas that will be part of habitat project--not entire parcel	Specify number of acres
		Shoreline length	Measure length of existing shoreline, whether armored, or unarmored.	Linear feet (in 100's)
		Location	Is the site in a high value location?	Within 1 km of a completed or underway restoration site (1 pt)
				Associated with a stream mouth/wetland (2 pts)
Used as a creek modifier, to reduce scores of coho projects	Likelihood of chinook use (range from 1.0 to 0.1)			
Evaluation Level 2				
Expected post-project benefits (optional)	75	Immediate habitat lift (mostly substitution and creation)	BANK TREATMENTS: Estimate the change in the length of enhancement (100's of feet)	
			Resloping/benching (*0.4 pt)	Linear feet (in 100's)
			Wood for habitat (this does NOT include soft armoring) (*0.2 pt)	Linear feet (in 100's)
			Revegetation length	Linear feet (in 100's)
			Revegetation width	165 ft wide (0.5 pt)
				100-165 ft wide (0.4 pt)
				50-100 ft wide (0.3 pt)
		REARING HABITAT CREATION: Estimate the excavated area that will be wetted during Jan-June (at least)	Backwater acres	
			Side channel acres	
		Hydrologic lift/connectivity	Will the project increase flooding of the site? E.g. Will it notch, move, remove a flood-containment levee or flap-gate, or lower the ground surface (e.g., through fill removal or other excavation) so that it floods more readily?	If yes, specify acres of reconnected tributary
If yes, specify acres of reconnected floodplain				
Change in length of erodible shoreline that can generate sediment and wood	Linear feet (in 100's)			
Used as a creek modifier, to reduce scores of coho projects	Likelihood of chinook use (range from 1.0 to 0.1 pt)			

Middle Green Evaluation Criteria

Evaluation Criteria	Criteria Weight (sums to 100%)	Indicator of potential benefits	Instructions	How to assign values
Evaluation Level 1				
Project size assumes most other benefits are positively correlated with size	25	Project area	Count only areas that will be part of habitat project--not entire parcel	Specify number of acres
		Shoreline length	Measure length of existing shoreline, whether armored, or unarmored. (creek only count one bank)	Linear feet (in 100's)
		Location	Is the site in a high value location?	Associated with a stream mouth/wetland (1 pt)
				Within the severe CMHZ (1 pt)
				Adjacent to an existing restoration project (1 pt)
				Priority in the revegetation strategy (1 pt)
		Used as a creek modifier, to reduce scores of coho projects	Likelihood of chinook use (range from 1.0 to 0.1 pt)	
			Value guidance--all mainstem areas, lower five miles of Soos or Newaukum (1 pt)	
			River floodplain portion of other creek (0.5 pt)	
			Mostly headwater/coho areas (0.1 pt)	

(Continued on next page)

Middle Green Evaluation Criteria, continued

Evaluation Criteria	Criteria Weight (sums to 100%)	Indicator of potential benefits	Instructions	How to assign values
Evaluation Level 2				
Expected post-project benefits (optional)	75	Immediate habitat lift (edge improvements, new rearing habitat)	BANK TREATMENTS: Estimate the change in the length of enhancement (100's of feet)	
			Creek remeander (*1 pt)	Linear feet (in 100's)
			Resloping/benching (*0.4 pt)	Linear feet (in 100's)
			Wood for habitat (*0.2 pt)	Linear feet (in 100's)
			Revegetation length	Linear feet (in 100's)
			Revegetation width	165 ft wide (0.5 pt)
				100-16 5ft wide (0.4 pt)
				50-100 ft wide (0.3 pt)
				<50 ft wide (0.1 pt)
			REARING HABITAT CREATION or CONNECTION: Estimate the area that will be wetted more frequently during Jan-June (at least)	Number of acres
		Length of shoreline armoring or levee that is being removed or set back farther from the river.	Linear feet (in 100's)	
		Creek only	Area of increased floodplain connectivity or quality	Number of acres
		Long-term habitat lift (process-restoration)	Measure total project area within likely new boundary protections; assume that roads are generally permanent boundaries (with rare exceptions) - include FPP areas as being within possible boundary protections.	Number of acres
		Location	Used as a creek modifier, to reduce scores of coho projects	Likelihood of chinook use (range from 1.0-0.1 pt)
Value guidance--all mainstem areas, lower five miles of Soos or Newaukum (1 pt).				
River floodplain portion of other creek (0.5 pt)				
Mostly headwater/coho areas (0.1 pt)				