

Relative Chinook Salmon Lower Willamette Habitat Values

Habitat	Type	Functional Habitat Value	Years to Full Function
Deep Water - Main Channel	Natural substrate	0.1	1
	Artificial substrate	0.05	1
Shallow Water - Main Channel	Natural substrate	1	1
	Riprap or seawall in adjacent shoreline	0.1	1 ^a
	Covered - suspended structure	0.1	NA
	Covered - floating structure	0	NA
Active Channel Margin (ACM)	Unarmored, native vegetation, low angle ^b	1	3
	Unarmored, unvegetated, low angle	0.8	1
	Unarmored, invasive vegetation, low angle	0.75	NA
	Unarmored, native vegetation, high angle ^c	0.2	3
	Unarmored, unvegetated, high angle	0.1	1
	Unarmored, invasive vegetation, high angle	0.09	NA
	Riprap	0.1	1 ^a
	Pilings (all >1 per 100 square feet in study area)	0.05	NA
	Seawall	0	NA
	Covered - suspended structure	0.1	NA
Covered - floating structure	0	NA	
Riparian	Native forest, in historic floodplain	0.65	40 (10 years to 80%)
	Native forest, outside historic floodplain	0.5	40 (10 years to 80%)
	Native grass/shrub, in historic floodplain	0.35	5
	Native grass/shrub, outside historic floodplain	0.2	5
	Invasive vegetation	0.1	NA
	Unvegetated/paved/buildings	0	NA
Upland	Native forest, in historic floodplain	0.65	40 (10 years to 80%)
	Native forest, outside historic floodplain	0.15	40 (10 years to 80%)
	Native grass/shrub, in historic floodplain	0.2	5
	Native grass/shrub, outside historic floodplain	0.1	5
	Invasive vegetation	0.1	NA
	Unvegetated/paved/buildings	0	NA
Off Channel	Tributary - cold	1	1
	Tributary - warm	0.9	1
	Side channel	1	1
	Alcove or slough with tributary	1	1
	Alcove or slough without tributary	0.8	1
	Embayment (cove) with tributary	1	1

Embayment (cove) without tributary

0.8

1

Notes:

NA. Habitat type will not be approved as component of restoration project.

a. Habitat type unlikely to be approved in restoration project.

b. Low angle characterized as <5:1 or <11 degrees.

c. High angle characterized as >5:1 or >11 degrees.