

**SHORELINE AREA (Reach Code): Marine 20 – Inspiration Point**
**REACH NUMBER: 46**

Land Use	Current Land Use	Residential and undeveloped forested parcels (Ref# 8, 54, 71)
	Zoning	3.1 acres residential, 1.7 acres public (Ref# 54)
Potential Species Present	Wildlife species	1.4 acres mustelid, 1.0 acres pinneped (Ref# 3, 70, 71, 105)
	Fish species	Anadromous fish rearing habitat along outer marine shoreline (outside rail crossing). Presumed presence of Coho and Bull trout. (Ref# 3, 70, 71, 105)
	PHS species/habitat	Bald eagle nesting territory indicated, rock substrate shorebird concentration area on outer marine area, dabbling duck and soft sediment shorebird concentration area, diving bird concentration area off-shore(Ref# 3, 70, 71, 105)
	TSE species	Bald eagle nesting territory and heavy winter presence (FT). Chinook in bay (FT & SC). Coho (FCo) and Bull trout (FT) presumed. (Ref# 92, 93, 105)
	Invasive wildlife/fish species	No data
Physical Environment	Acres of land in reach	4.8 acres total with 2.6 acres of land and 2.2 acres of water (Ref# 13)
	Aquatic vegetation	0.5 acres green algae, 0.4 acres eelgrass, 0.1 acres brown algae(Ref# 97, 98)
	Slope	0-10% slopes dominate the shoreline, 35-100% slopes dominate the upland (Ref# 47, 103)
	Buildings	None indicated (Ref# 16)
	Culverts/stormwater utilities	None indicated (Ref# 40, 41, 42)
	Geology	Continental sediment deposits and bedrock. Land slide hazard area is indicated on slopes 15-35% or greater. (Ref# 21, 51, 63)
	Tributary Creeks	None indicated (Ref# 8, 42, 71)
	Impervious surface	36% semi-pervious, 36% pervious, 28% impervious(Ref# 12)
	Invasive plant species	Scotts Broom on cliffs(Ref# 71)
	Roads/transportation	0.1 miles rail (Ref# 34, 44, 46)
	Soils	2.9 acres of soil with slow infiltration (Hydrologic soil Group C) and fine texture that impedes downward movement of water. Erosion potential: 2.9 acres moderate risk, 1.9 acres severe risk. (Ref# 51, 63)
	Topography	0' to 166' range; 41' mean (Ref# 47)
	FEMA	2.4 acres in 100 year flood plain, none in floodway(Ref# 19)
	Terrestrial Vegetation	Predominately native shrub and forest cover on bluffs. Native Garry Oaks and other bald associated species. (Ref# 8, 71)
Marine Aquatic Function	Aquatic substrate type	0.9 acres mixed fines, 0.2 acres artificial(Ref# 3, 99)
	Creosote structures	None identified(Ref# 71, 73, 74, 99)
	In-water structures	None identified(Ref# 71, 73, 74, 99)
	Bulkheads	Rail bed – rip rap(Ref# 71, 73, 74, 99)
	DOE 303(d)	No data(Ref# 81)
	Toxic sites/land fills	None indicated (Ref# 79, 80)
	Bathymetry	-27.0 to 0.00 range; -13.2 mean (Ref# 25, 31)
	Wave energy	1.1 acres partially enclosed (Ref# 3, 99)
	Point source pollution	No data
	Waterways/dredge beds	No data
	Drift cells	No data

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Marine Foreshore	Beach characterization	No data
	High-Low tide lines	0.7 acres beach
	Erosion/accretion zones	No data
Historic & Cultural	Historic aerials	None available – Tim Wahl has good documentation of this area.
	Archeological sites	Sites in area (Ref# 77)
	Historic sites	Inspiration Point (Ref# 77)
	Parks & public access	City owned Inspiration Point property dominates uplands (Ref# 33, 34, 36)
Function Analysis	<p><b>Reach Function</b></p> <ul style="list-style-type: none"> <li>Hydrologic</li> <li>Shoreline Vegetation</li> <li>Habitat</li> </ul> <p><b>Limiting Factors</b></p> <p><b>Functions</b></p> <ul style="list-style-type: none"> <li>Sustainable</li> <li>Not Sustainable</li> </ul> <p><b>Priority Actions</b></p> <p><b>Current Enhancement Projects</b></p> <p><b>Preservation/Enhancement Opportunities</b></p>	<p>(Ref# for the following 1, 2, 5, 69, 70, 71)</p> <p>Slightly impaired by railroad bed.</p> <p>Unimpaired (some invasive plants – Scott’s broom)</p> <ul style="list-style-type: none"> <li>Terrestrial – Unimpaired and functioning at high levels.</li> <li>Intertidal habitat - Unimpaired and functioning at high levels.</li> <li>Shallow water and deep water habitat - Unimpaired and functioning at high levels.</li> </ul> <p>Rail road bed</p> <p>All functions sustainable</p> <p>None</p> <p>None</p> <p>None</p> <p>Invasive plant control on bluff (Ref# 71)</p>