

Reference conditions database, least-disturbed tidal wetlands of Oregon, U.S.A.

Site/ Estuary	Plot	Cowardin class	Habitat type	Elevation (m NAVD88)	Elevation (ft NAVD88)	Elevation relative to MHHW (ft)	Summer max. channel water salinity (ppt)	Summer soil salinity (ppt)	Soil pH	Soil % organic matter	Dominant vegetation
Blind Slough/ Columbia	P1	tidally- influenced palustrine forested	Sitka spruce swamp	2.64	8.66	-0.52	0	0.5	5.3	20.3	Sitka spruce / western dogwood - ninebark - Nootka rose - trailing blackberry
Blind Slough/ Columbia	P2	tidally- influenced palustrine shrub	willow swamp	2.64	8.67	-0.52	0	0.5	5.3	28.9	Sitka willow - Douglas' spiraea / Pacific lady-fern
Coal Creek/ Nehalem	P1	estuarine forested	Sitka spruce swamp	2.55	8.36	0.35	12	8.6	4.9	21.0	Sitka spruce / salal - black twinberry - salmonberry - trailing blackberry
Coal Creek/ Nehalem	P2	estuarine forested	Sitka spruce swamp	2.63	8.62	0.61	12	8.7	4.7	22.2	Sitka spruce / salal - black twinberry - Oregon crabapple
Yaquina Swamp (Y28)/ Yaquina	P5	estuarine scrub- shrub	twinberry swamp	2.64	8.65	0.62	8	16.7	4.7	21.9	Black twinberry - Oregon crabapple / Pacific silverweed
Millport Slough/ Siletz	P1	estuarine emergent	high marsh	2.42	7.95	0.27	27	12.7	5.8	21.3	tufted hairgrass – Pacific silverweed
Millport Slough/ Siletz	P2	estuarine emergent	high marsh	2.49	8.17	0.49	27	10.0	5.6	16.9	tufted hairgrass – Pacific silverweed
Hidden Cr Marsh	P1	estuarine emergent	low marsh	2.13	7.00	-0.32	30	47.4	5.9	23.8	glasswort - jaumea – seaside plantain
Hidden Cr Marsh	P2	estuarine emergent	low marsh	2.18	7.14	-0.17	30	41.1	5.2	20.0	saltgrass - jaumea

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Hidden Cr Marsh	P3	estuarine emergent	mid marsh	2.22	7.28	-0.04	30	39.9	5.5	21.6	tufted hairgrass - jaumea
Hidden Cr Marsh	P4	estuarine emergent	high marsh	2.35	7.70	0.38	30	23.9	4.9	32.1	Baltic rush - creeping bentgrass
Siletz Keys/ Siletz	P1	estuarine emergent	low marsh	2.12	6.96	-0.27	34	24.3	5.9	12.7	saltgrass - jaumea
Siletz Keys/ Siletz	P2	estuarine emergent	low marsh	2.01	6.59	-0.64	34	20.1	5.8	11.5	saltgrass - jaumea

Reference conditions database, Least-disturbed tidal wetlands of Oregon, U.S.A.: Parameter ranges by habitat class

Habitat class	Elevation relative to MHHW (ft)	Summer maximum channel water salinity (ppt)	Summer soil salinity (ppt)	Soil pH	Soil % organic matter	Number of study plots included	List of plots included
Forested tidal swamp, freshwater zone of Columbia R. estuary*	-0.52	0	0.5	5.3	20	1	Blind Slough P1
Forested tidal swamp, brackish zone, outer coast	0.48 to 0.75	0-12	0-17	4.7-5.3	20-22	3	Coal Creek P1 and P2, Yaquina Y28 P5
Scrub-shrub tidal swamp, freshwater zone of Columbia R. estuary*	-0.52	0	0.5	5.3	29	1	Blind Slough P2
Emergent tidal marsh (high)	0.38 to 0.49	27-30	10-24	4.9-5.8	17-32	3	Hidden Cr Marsh P4, Millport Slough P1 and P2
Emergent tidal marsh (low)	-0.64 to -0.17	30-34	20-47	5.2-5.9	12-24	4	Hidden Cr Marsh P1 and P2, Siletz Keys P1 and P2

* Columbia River tidal swamp data are separated in this table due to their lower elevation relative to tidal datums, compared to outer coast tidal swamps

