

## Appendix 8. Summary of Representation of Terrestrial Ecological Systems for SITES Algorithm Runs in Willamette Valley-Puget Trough-Georgia Basin Ecoregion

Systems are listed by type in the following order: marine associated, freshwater wetlands, dry herbaceous, oak woodlands and conifer forests.

X = used the data source to represent the system; ( ) = minimum sizes for conversion to points and other notes regarding conversion process; WV, CO = used only for representation in Willamette Valley (WV) or Lower Columbia (CO) sections. See text for details.

Ecological System	Spatial Representation	Known Element Occurrences	British Columbia Sensitive Ecosystems Inventory	Fraser Wetlands Inventory (Ward et al. 1992)	Puget Oak & Grassland Layer (Chappell et al. 1999)	Willamette Valley Wetlands Inventory (Titus et al. 1996)	Willamette Valley Vegetation Layer	National Wetlands Inventory	Washington Riparian Layer	Ecological Systems Layer
Intertidal Salt Marshes	Point	X	X (>2 ha)							
Coastal Spits, Dunes, and Strand	Point	X	X (>.5 km)							
Depressional Wetland Shrublands	Point	X	X (>2 ha)	X (>2 ha)		X (>2 ha) WV		X (>2 ha) CO		
Depressional Wetland Broadleaf Forests	Point	X								X (>2 ha)
Coniferous Forested Wetlands	Point	X								
Tidally-influenced Freshwater Wetlands	Point	X		X (>2 ha)						
Riparian Forests and Shrublands	Polygon/Point	X (point)	X (polygon)			X (polygon)			X (polygon)	
Freshwater Marshes	Point	X	X (>2 ha)	X (>2 ha)						
Freshwater Aquatic Beds	Point	X	X (>1.2 ha)	X (>1.2ha)		X (>1.2 ha) WV		X (>1.2ha) CO		
Autumnal Freshwater Mudflats	Point	X								
Sphagnum Bogs and Fens	Point	X	X (>2 ha)	X (>2 ha)						
Wet Prairies	Point	X								
Vernal Pools	Point	X								

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Upland Prairies and Savannas	Point	X								
Herbaceous Balds and Bluffs	Point	X	X (>2 ha)		X (>2 ha)					
Northern Oak Woodlands	Point	X	X (>4 ha)		X (>4 ha and undeveloped)					
Willamette Oak Woodlands	Polygon/Point	X (point)					X			
Dry Evergreen Forests and Woodlands	Polygon/Point	X (point)								X (polygon)
Douglas-fir - Western Hemlock - Western Redcedar Forests	Polygon/Point	X (point)	X (point if >64 ha & old-growth)							X (polygon)