

Puget Sound

SUMMARY

Puget Sound is characterized by a high symptom expression for chlorophyll-a and moderate for macroalgae but all secondary indicator (dissolved oxygen, nuisance/toxic blooms, SAV) symptom expressions are low. This leads to an overall eutrophic condition of moderate. It is not possible to determine changes since the 1999 assessment.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions **

Primary symptoms high but problems with more serious secondary symptoms still not being expressed.



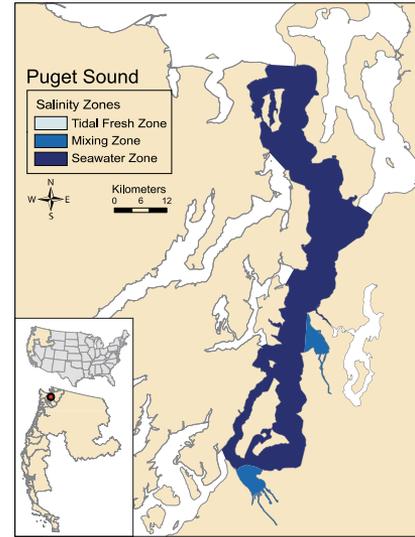
Future Outlook

An Unknown Future Outlook expression will occur if the Expected Changes In Nutrient Load by 2020 is Unknown.

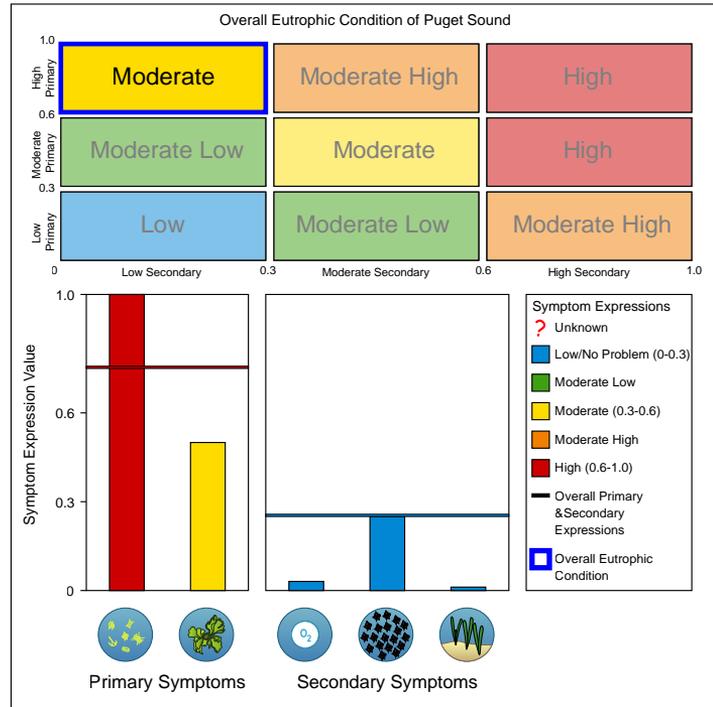
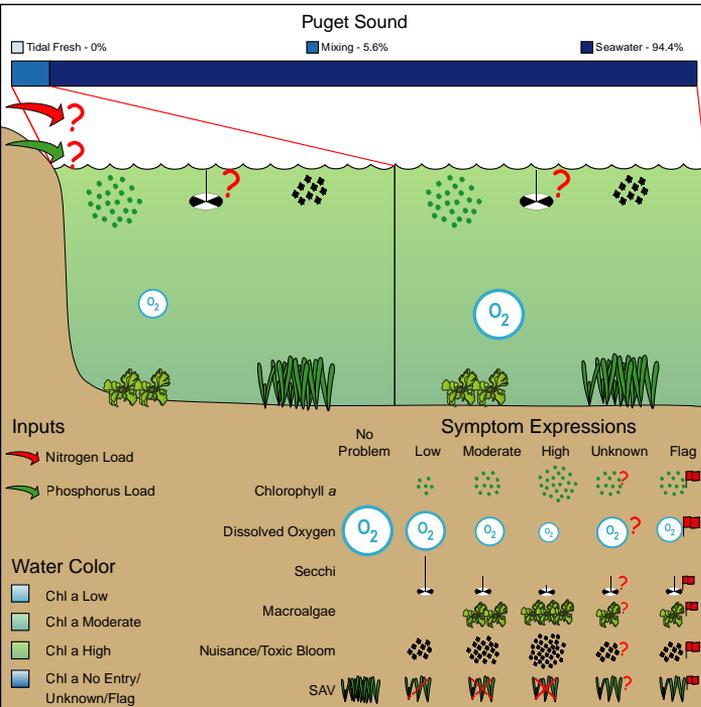


ASSETS Rating

Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.



EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km ²)	1,080	Urban (km ²)	3,007 (11.1%)	Area (km ²)	6,549
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	777 (2.9%)	Mean elevation (m)	537
Mixing zone area (km ²)	60	Forest (km ²)	22,370 (82.5%)	Max. elevation (m)	4,144
Saltwater zone area (km ²)	1,020	Wetland (km ²)	109 (0.4%)	Watershed: estuary ratio	6.1
Volume (1,000 x m ³)	98,452,800	Range (km ²)	847 (3.1%)	TSS (tonne y ⁻¹)	652,000
Depth (m)	91.16	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	2.15	Total (km ²)	27,109 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	815	Population	1,740,655	TSS/est. area (tonne km ⁻² y ⁻¹)	604
		Popn: est. area ratio	1,612	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown