

Willapa Bay

SUMMARY

Data for all indicators in Willapa Bay have a low symptom expression leading to low overall eutrophic condition rating. This system has minimal nutrient related water quality problems.

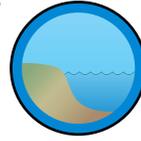
Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Level of expression of eutrophic conditions is minimal.



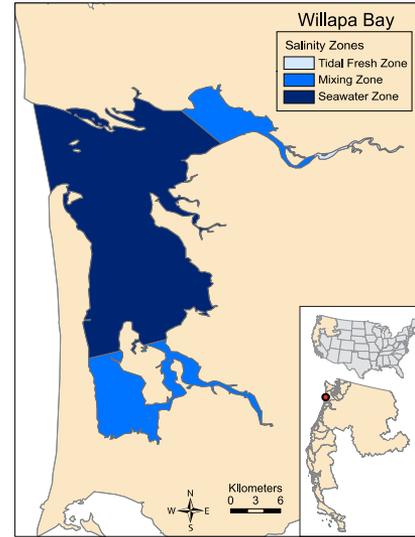
Future Outlook

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

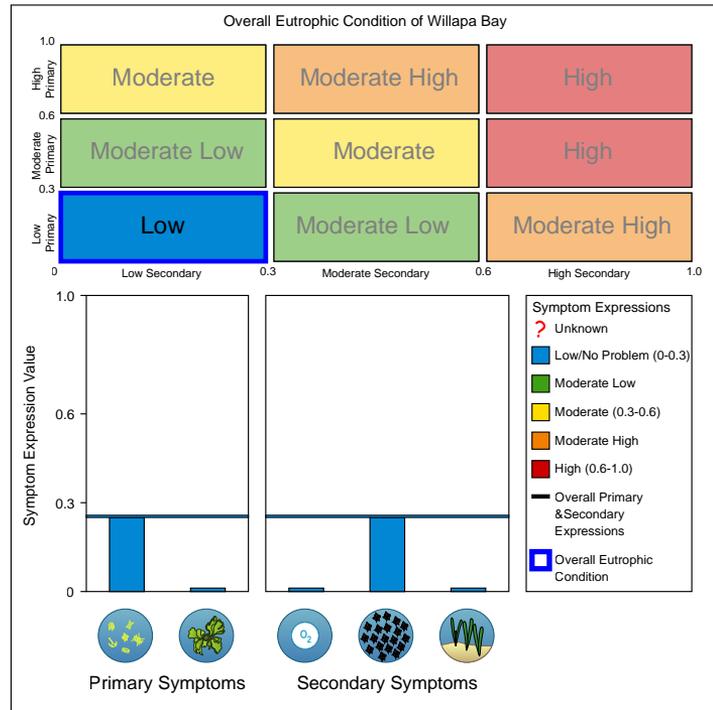
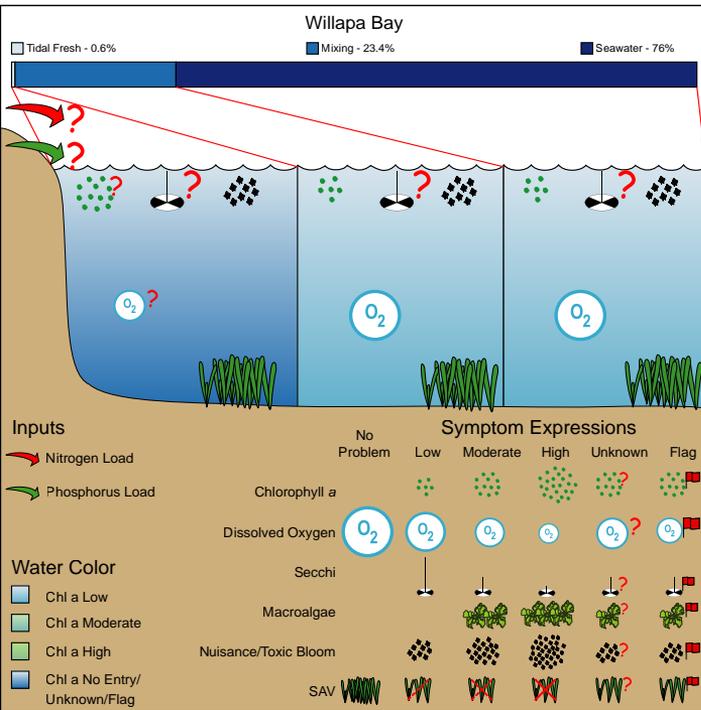


ASSETS Rating

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)	355	Urban (km ²)	36 (1.5%)	Area (km ²)	2,421
Tidal fresh zone area (km ²)	2	Agriculture (km ²)	65 (2.7%)	Mean elevation (m)	149
Mixing zone area (km ²)	83	Forest (km ²)	2,261 (94%)	Max. elevation (m)	670
Saltwater zone area (km ²)	270	Wetland (km ²)	36 (1.5%)	Watershed: estuary ratio	6.8
Volume (1,000 x m ³)	1,072,100	Range (km ²)	8 (0.3%)	TSS (tonne y ⁻¹)	283,000
Depth (m)	3.02	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	2.36	Total (km ²)	2,406 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	1	Population	10,607	TSS/est. area (tonne km ⁻² y ⁻¹)	797
		Popn: est. area ratio	30	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown