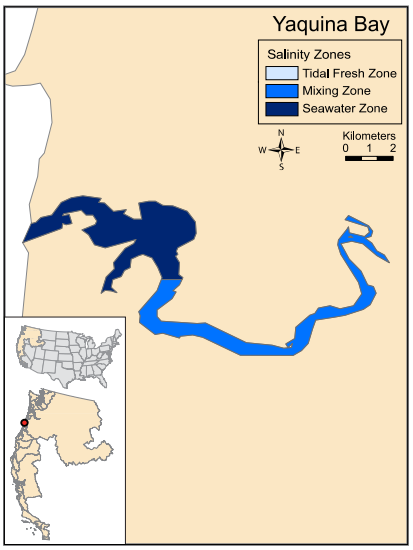
Yaquina Bay

SUMMARY

There were inadequate data to accurately assess the eutrophic condition of Yaquina Bay. However, chlorophyll-a concentrations suggest a moderate symptom expression, consistent with the 1999 assessment. The data further suggests a low symptom expression for dissolved oxygen, also the same as the 1999 assessment results.



Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.

Eutrophic Conditions *

Primary symptoms beginning to indicate possible problems but still very few secondary symptoms expressed.

Future Outlook

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

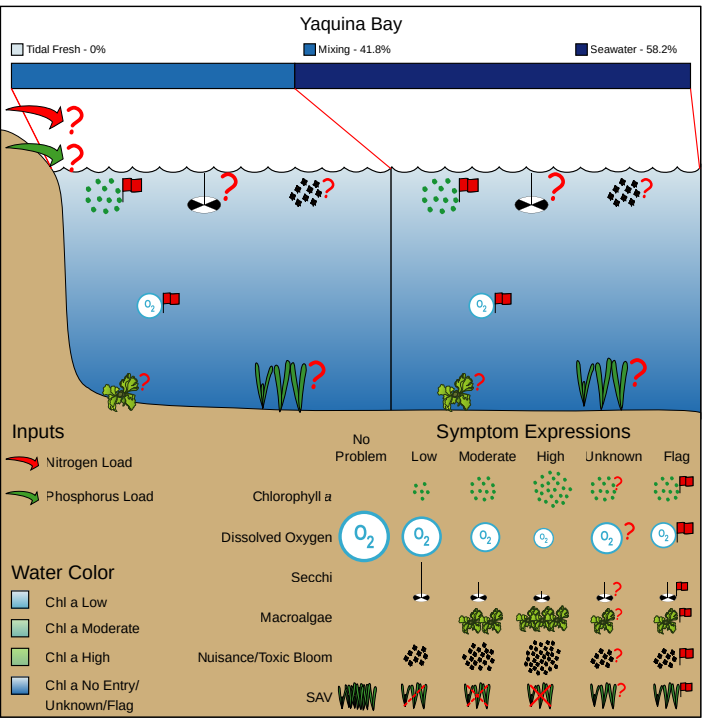
ASSETS Rating

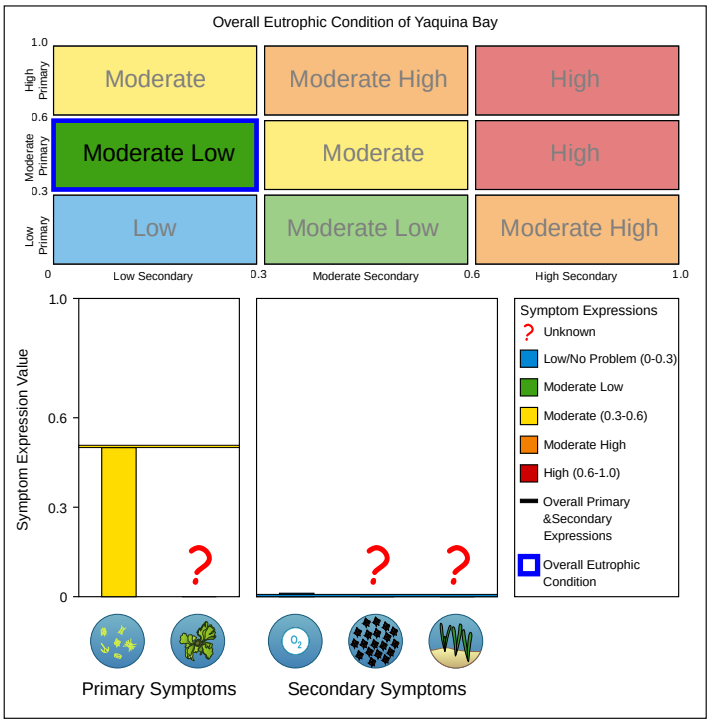
Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.

Influence/eutro/future	Unknown	Low	Mod Low	Moderate	Mod High	High
ASSETS	Unknown	High	Good	Moderate	Poor	Bad

Reliability and Confidence: ? Unknown; * Low; ** Moderate; *** High

EUTROPHIC CONDITION





WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km^2)	14	Urban (km^2)	16 (2.5%)	Area (km^2)	634
Tidal fresh zone area (km^2)	0	Agriculture (km^2)	10 (1.6%)	Mean elevation (m)	166
Mixing zone area (km^2)	6	Forest (km^2)	601 (95.5%)	Max. elevation (m)	654
Saltwater zone area (km^2)	8	Wetland (km^2)	3 (0.4%)	Watershed: estuary ratio	45.3
Volume (1,000 x m^3)	29,820	Range (km^2)	0 (0%)	TSS (tonne y^{-1})	159,000
Depth (m)	2.13	Barren (km^2)	0 (0%)	DIN (kg y^{-1})	Unknown
Tide Height (m)	1.90	Total (km^2)	629 (0%)	DIP (kg y^{-1})	Unknown
Residence Time (d)	1	Population	6,033	TSS/est. area (tonne km^{-2} y^{-1})	11,357
		Popn: est. area ratio	431	DIN/est. area (kg km^{-2} y^{-1})	Unknown
				DIP/est. area (kg km^{-2} y^{-1})	Unknown