

# Coos Bay

## SUMMARY

The data available for Coos Bay suggest a moderate chlorophyll-a symptom expression for all zones, but as the frequency of occurrence is unknown, data confidence is low. For the tidal fresh and mixing zones, dissolved oxygen levels are healthy, reflecting no change since the 1999 assessment.

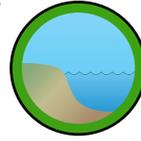
## Influencing Factors

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.



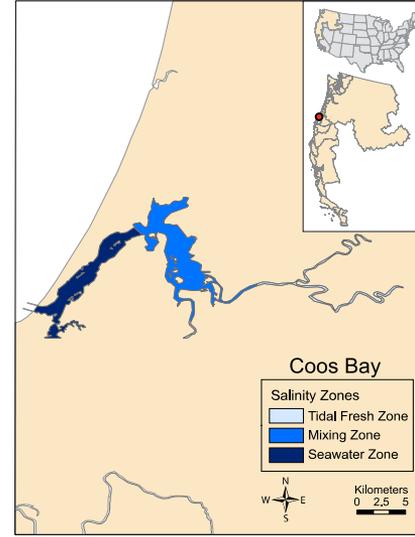
## Future Outlook

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

Reliability and Confidence

ASSETS

Unknown

High

Good

Moderate

Poor

Bad

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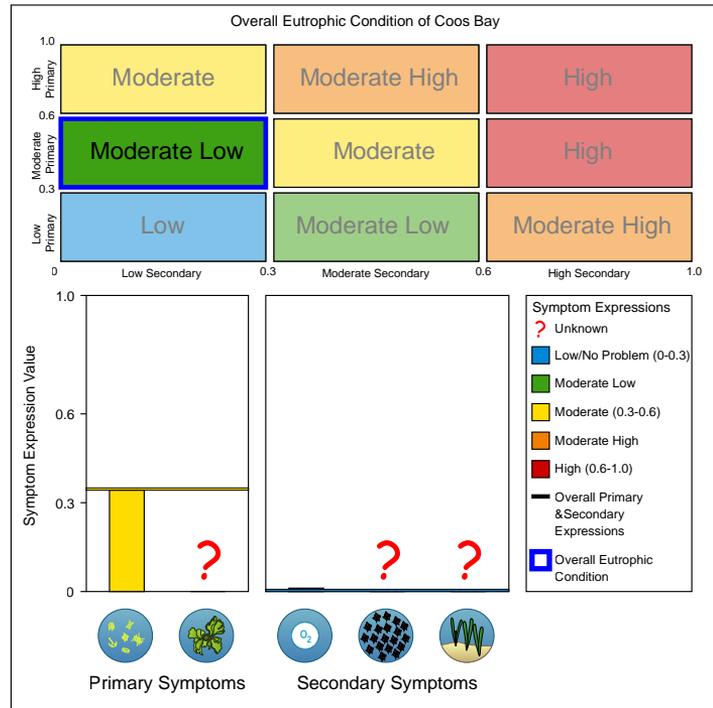
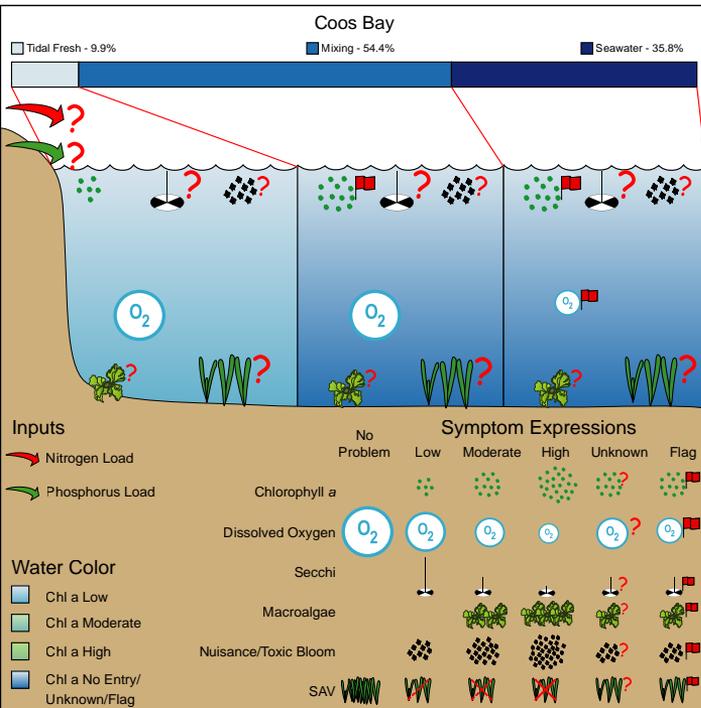
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High

## EUTROPHIC CONDITION



## WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km <sup>2</sup> )	44	Urban (km <sup>2</sup> )	70 (4.8%)	Area (km <sup>2</sup> )	1,479
Tidal fresh zone area (km <sup>2</sup> )	4	Agriculture (km <sup>2</sup> )	21 (1.4%)	Mean elevation (m)	299
Mixing zone area (km <sup>2</sup> )	24	Forest (km <sup>2</sup> )	1,373 (93.3%)	Max. elevation (m)	889
Saltwater zone area (km <sup>2</sup> )	16	Wetland (km <sup>2</sup> )	5 (0.4%)	Watershed: estuary ratio	33.6
Volume (1,000 x m <sup>3</sup> )	206,800	Range (km <sup>2</sup> )	3 (0.2%)	TSS (tonne y <sup>-1</sup> )	649,000
Depth (m)	4.70	Barren (km <sup>2</sup> )	0 (0%)	TN (kg y <sup>-1</sup> )	Unknown
Tide Height (m)	1.65	Total (km <sup>2</sup> )	1,471 (0%)	DIP (kg y <sup>-1</sup> )	Unknown
Residence Time (d)	4	Population	20,889	TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> )	14,750
		Popn: est. area ratio	475	TN/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	Unknown
				DIP/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	Unknown