

Grays Harbor

SUMMARY

Grays Harbor has an overall eutrophic condition of low, indicating few nutrient related problems, as a result of low symptom expression ratings for all indicators.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Level of expression of eutrophic conditions is minimal.



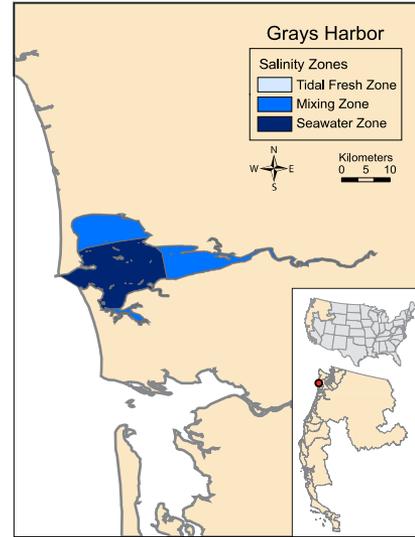
Future Outlook

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.



Influence/eutro/future

Unknown

Low

Mod Low

Moderate

Mod High

High

Reliability and Confidence

ASSETS

Unknown

High

Good

Moderate

Poor

Bad

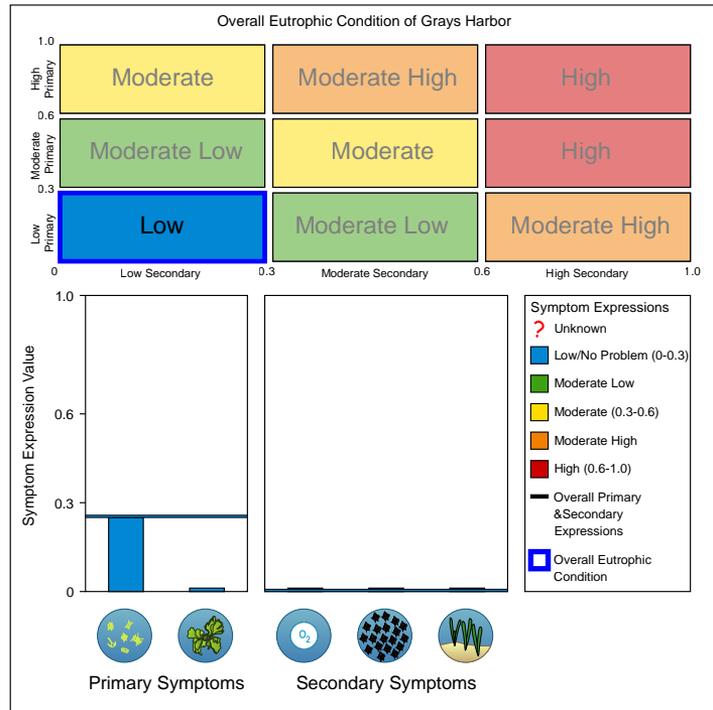
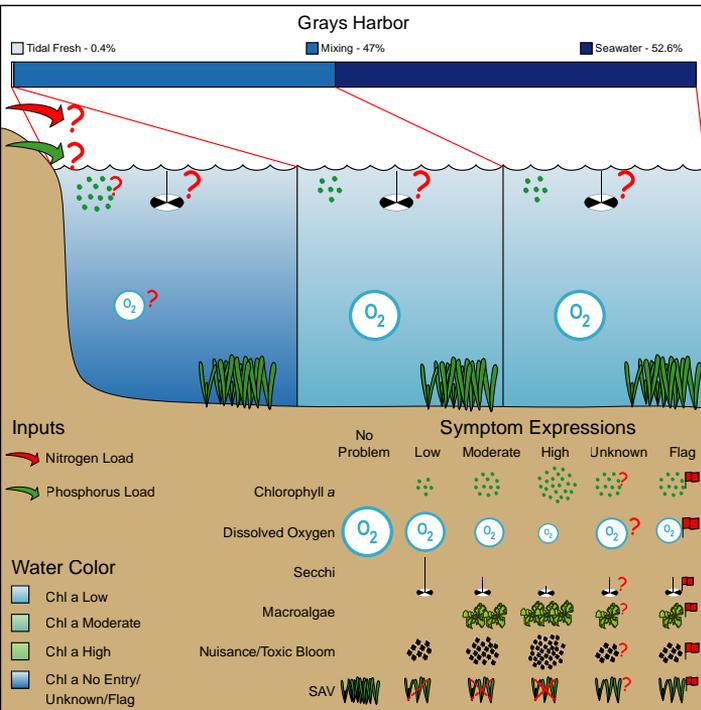
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High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km ²)	235	Urban (km ²)	938 (14.8%)	Area (km ²)	6,744
Tidal fresh zone area (km ²)	<1	Agriculture (km ²)	712 (11.2%)	Mean elevation (m)	203
Mixing zone area (km ²)	110	Forest (km ²)	4,525 (71.2%)	Max. elevation (m)	1,402
Saltwater zone area (km ²)	124	Wetland (km ²)	83 (1.3%)	Watershed: estuary ratio	28.7
Volume (1,000 x m ³)	465,300	Range (km ²)	93 (1.5%)	TSS (tonne y ⁻¹)	219,000
Depth (m)	1.98	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	2.29	Total (km ²)	6,351 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	0	Population	129,172	TSS/est. area (tonne km ⁻² y ⁻¹)	932
		Popn: est. area ratio	550	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown