

Eel River

SUMMARY

Data were unavailable to assess the eutrophic condition of the Eel River. In the 1999 assessment, the overall eutrophic condition was low stemming from low symptom expressions were reported for chlorophyll-a and dissolved oxygen levels and no problems with macroalgae or losses of SAV.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

An Unknown Overall Eutrophic Condition expression will occur if either the Primary or Secondary overall symptom expression is Unknown.



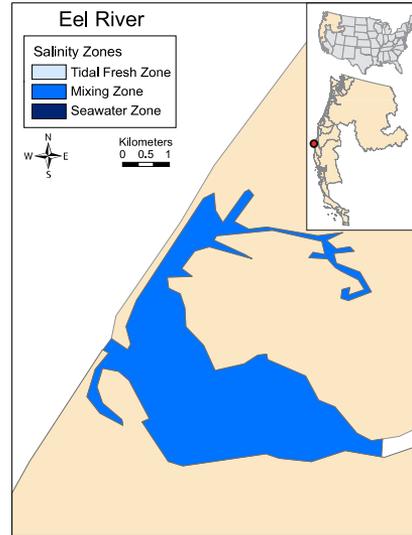
Future Outlook

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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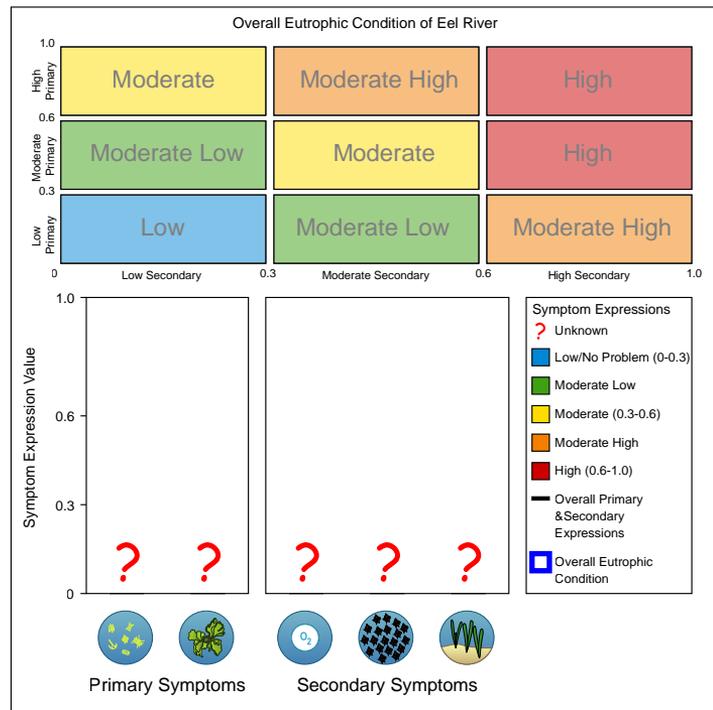
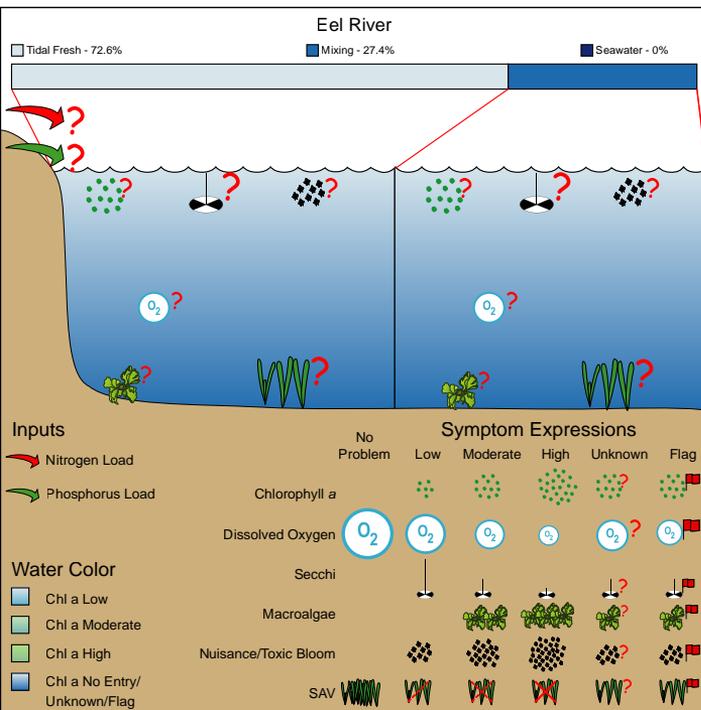
Unknown

Low

Moderate

High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km ²)	22	Urban (km ²)	93 (1%)	Area (km ²)	9,444
Tidal fresh zone area (km ²)	16	Agriculture (km ²)	233 (2.5%)	Mean elevation (m)	759
Mixing zone area (km ²)	6	Forest (km ²)	7,177 (76.4%)	Max. elevation (m)	2,160
Saltwater zone area (km ²)	0	Wetland (km ²)	3 (0%)	Watershed: estuary ratio	429.3
Volume (1,000 x m ³)	29,700	Range (km ²)	1,891 (20.1%)	TSS (tonne y ⁻¹)	1,230,000
Depth (m)	1.35	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	1.34	Total (km ²)	9,396 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	0	Population	38,745	TSS/est. area (tonne km ⁻² y ⁻¹)	55,909
		Popn: est. area ratio	1,761	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown