

# Elkhorn Slough

## SUMMARY

Elkhorn Slough is characterized by low symptom expressions for chlorophyll-a and dissolved oxygen, reflecting a reduction in symptom level since the 1999 assessment. The macroalgae symptom expression is high, and is known in to be a periodic problem. Conditions are expected to worsen in the future.

### Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



### Eutrophic Conditions \*\*

Primary symptoms high but problems with more serious secondary symptoms still not being expressed.



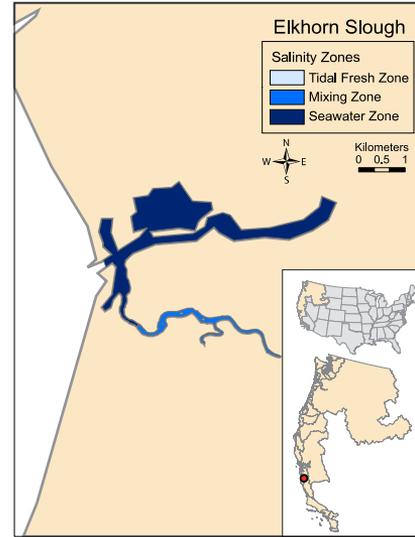
### Future Outlook

Nutrient related symptoms observed in the estuary are likely to substantially worsen.



### 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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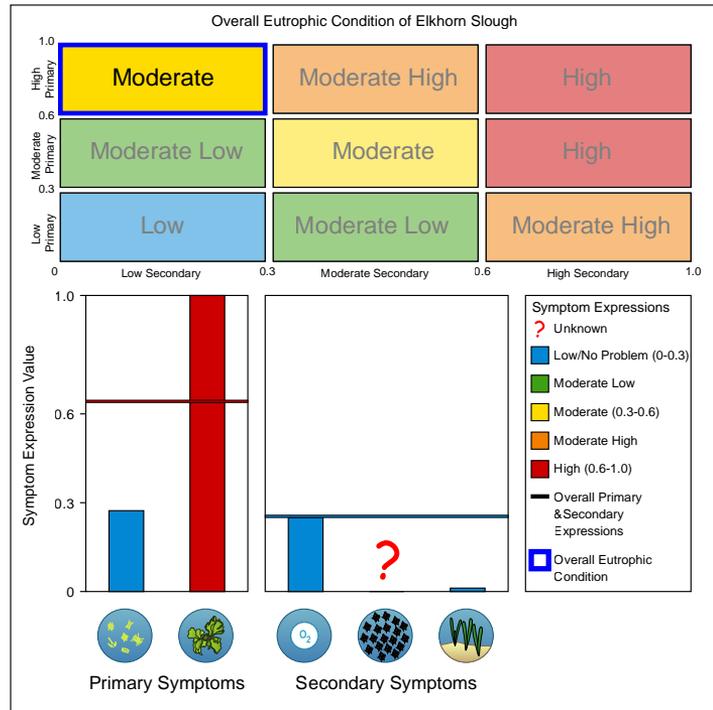
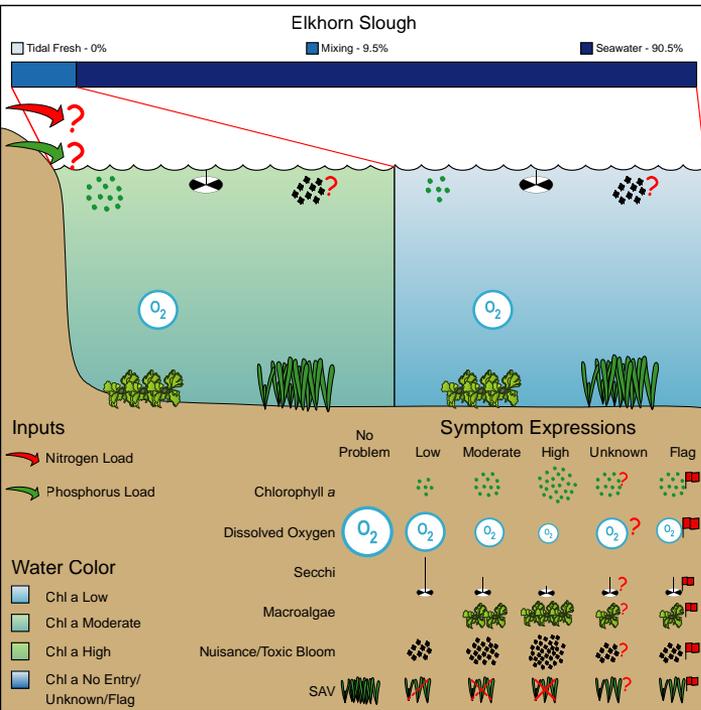
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High

## EUTROPHIC CONDITION



## WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km <sup>2</sup> )	3	Urban (km <sup>2</sup> )	127 (20.9%)	Area (km <sup>2</sup> )	603
Tidal fresh zone area (km <sup>2</sup> )	0	Agriculture (km <sup>2</sup> )	220 (36.3%)	Mean elevation (m)	123
Mixing zone area (km <sup>2</sup> )	<1	Forest (km <sup>2</sup> )	137 (22.6%)	Max. elevation (m)	805
Saltwater zone area (km <sup>2</sup> )	3	Wetland (km <sup>2</sup> )	8 (1.3%)	Watershed: estuary ratio	201.0
Volume (1,000 x m <sup>3</sup> )	8,520	Range (km <sup>2</sup> )	114 (18.8%)	TSS (tonne y <sup>-1</sup> )	130,000
Depth (m)	2.84	Barren (km <sup>2</sup> )	0 (0%)	DIN (kg y <sup>-1</sup> )	Unknown
Tide Height (m)	1.09	Total (km <sup>2</sup> )	606 (0%)	DIP (kg y <sup>-1</sup> )	Unknown
Residence Time (d)	3	Population	118,195	TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> )	43,333
		Popn: est. area ratio	39,398	DIN/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