

# Central San Francisco/San Pablo/Suisun Bays

## SUMMARY

San Francisco Bay North has high symptom expression of chlorophyll-a but dissolved oxygen is low, remaining at healthy levels, and SAV cover has increased by 2,284 acres since 1987. In the tidal fresh zone there are persistent macroalgal blooms, and problematic occurrences of Microcystis when the wind is been calm enough to foster stratification.

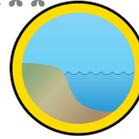
## Influencing Factors

Any level nitrogen input and low to moderate susceptibility (good ability to dilute and flush nutrients).



## Eutrophic Conditions \*\*\*

Level of expression of eutrophic conditions is substantial.



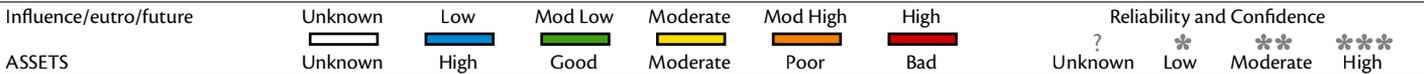
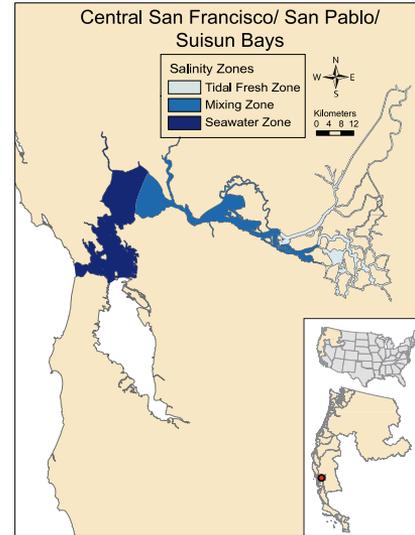
## Future Outlook

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

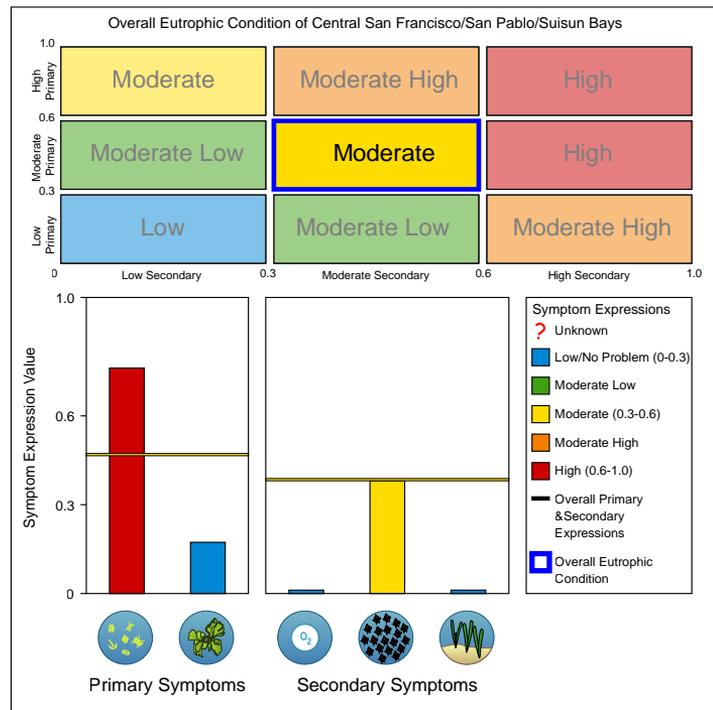
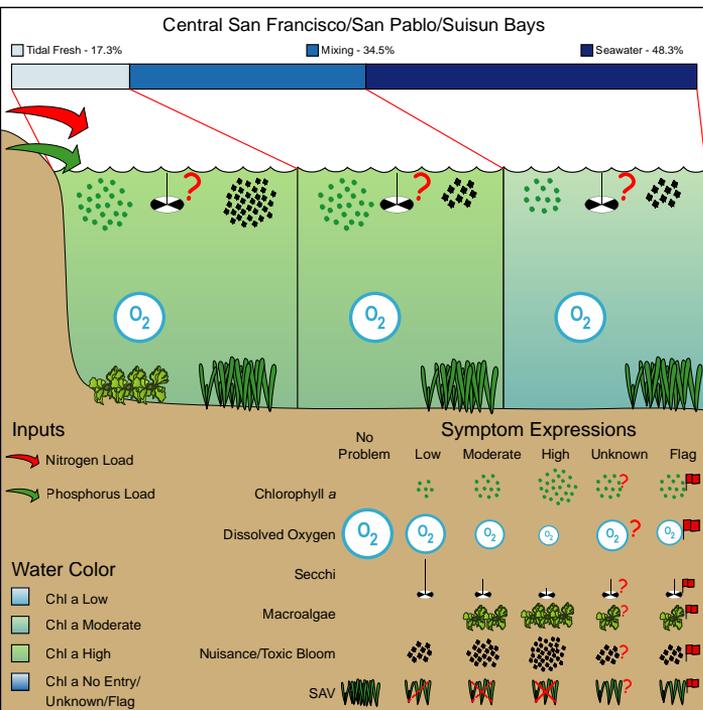


## ASSETS Rating

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



## EUTROPHIC CONDITION



## WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km <sup>2</sup> )	837	Urban (km <sup>2</sup> )	5,258 (4.7%)	Area (km <sup>2</sup> )	114,323
Tidal fresh zone area (km <sup>2</sup> )	145	Agriculture (km <sup>2</sup> )	24,380 (21.7%)	Mean elevation (m)	849
Mixing zone area (km <sup>2</sup> )	289	Forest (km <sup>2</sup> )	60,784 (54.1%)	Max. elevation (m)	4,059
Saltwater zone area (km <sup>2</sup> )	404	Wetland (km <sup>2</sup> )	1,158 (1%)	Watershed: estuary ratio	136.6
Volume (1,000 x m <sup>3</sup> )	5,624,640	Range (km <sup>2</sup> )	20,813 (18.5%)	TSS (tonne y <sup>-1</sup> )	10,800,000
Depth (m)	6.72	Barren (km <sup>2</sup> )	3 (0%)	DIN (kg y <sup>-1</sup> )	50,000,000
Tide Height (m)	1.11	Total (km <sup>2</sup> )	112,395 (0%)	TP (kg y <sup>-1</sup> )	10,000,000
Residence Time (d)	15	Population	5,250,350	TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> )	12,903
		Popn: est. area ratio	6,273	DIN/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	59,737
				TP/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	11,947