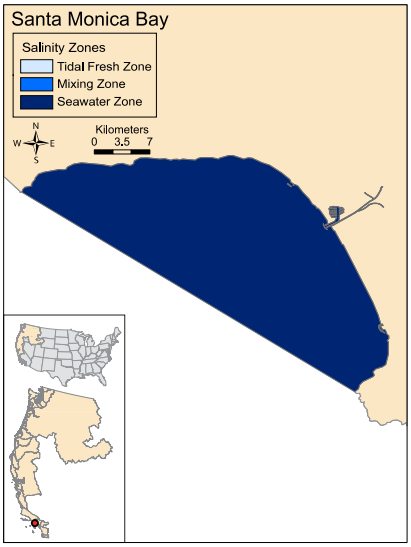
Santa Monica Bay

SUMMARY

Inadequate data were available to characterize the eutrophic condition of Santa Monica Bay in 1999 and 2004. However, occurrence of nuisance/toxic blooms in 2004 is rated as moderate. Malibu Creek TMDL's are expected to result in decreased point source nutrient loads to the bay, however atmospheric inputs will remain the same.



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

Nutrient related symptoms observed in the estuary are likely to improve.

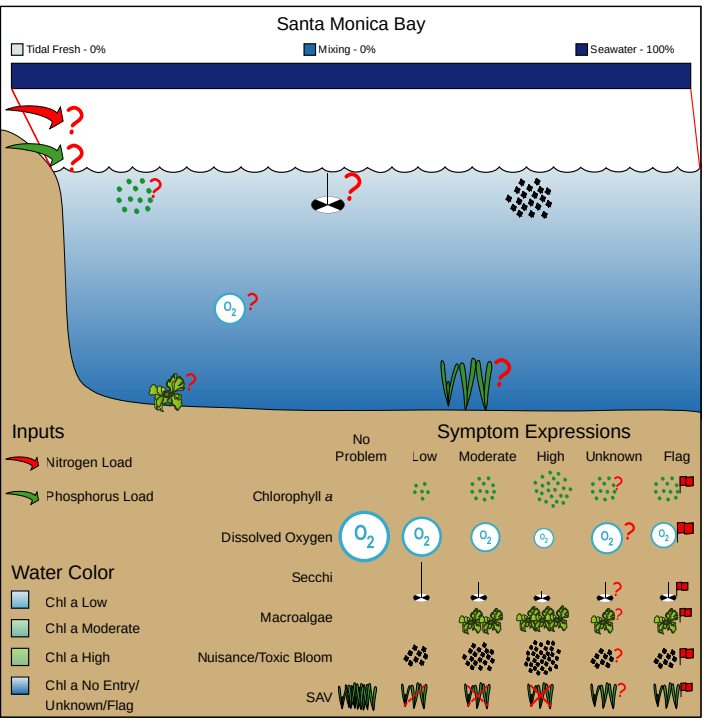
ASSETS Rating

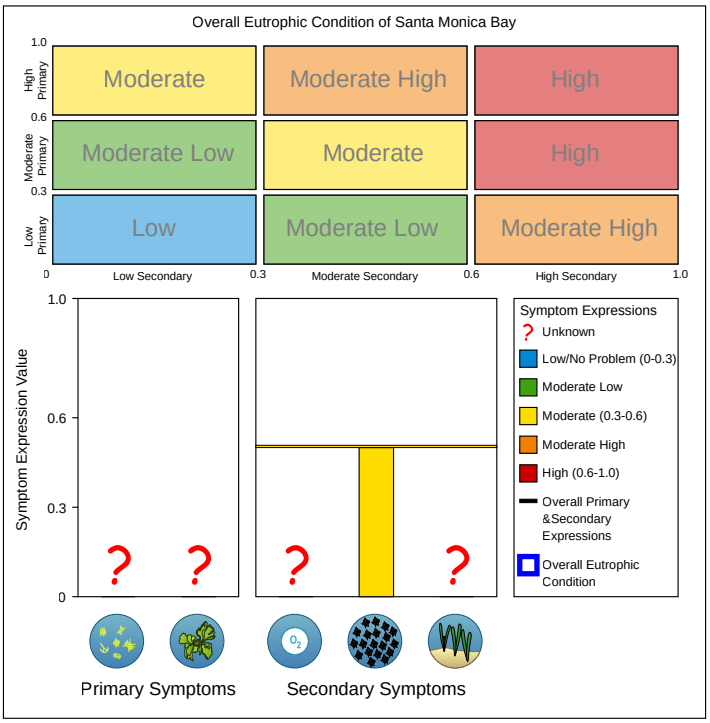
Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.

Influence/eutro/future	Unknown	Low	Mod Low	Moderate	Mod High	High
ASSETS	Unknown	High	Good	Moderate	Poor	Bad

Reliability and Confidence			
? Unknown	* Low	** Moderate	*** High

EUTROPHIC CONDITION





WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km^2)	547	Urban (km^2)	673 (75.1%)	Area (km^2)	899
Tidal fresh zone area (km^2)	0	Agriculture (km^2)	8 (0.9%)	Mean elevation (m)	225
Mixing zone area (km^2)	0	Forest (km^2)	5 (0.6%)	Max. elevation (m)	761
Saltwater zone area (km^2)	547	Wetland (km^2)	0 (0%)	Watershed: estuary ratio	1.6
Volume (1,000 x m^3)	52,544,820	Range (km^2)	210 (23.4%)	TSS (tonne y^{-1})	62,600
Depth (m)	96.06	Barren (km^2)	0 (0%)	DIN (kg y^{-1})	Unknown
Tide Height (m)	1.13	Total (km^2)	896 (0%)	DIP (kg y^{-1})	Unknown
Residence Time (d)	3,840	Population	2,401,110	TSS/est. area (tonne km^{-2} y^{-1})	114
		Popn: est. area ratio	4,390	DIN/est. area (kg km^{-2} y^{-1})	Unknown
				DIP/est. area (kg km^{-2} y^{-1})	Unknown