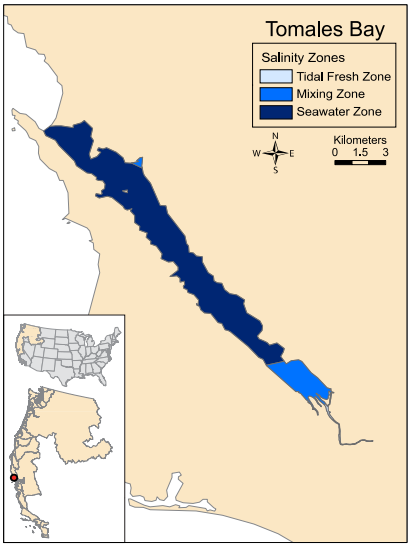
Tomales Bay

SUMMARY

Data were unavailable to assess the eutrophic condition of Tomales Bay. In the 1999 assessment, the bay was characterized by a moderate high overall eutrophic condition based on a high symptom expression of nuisance/toxic blooms but no problematic dissolved oxygen levels or macroalgae blooms. Data were unavailable for chlorophyll-a.



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.

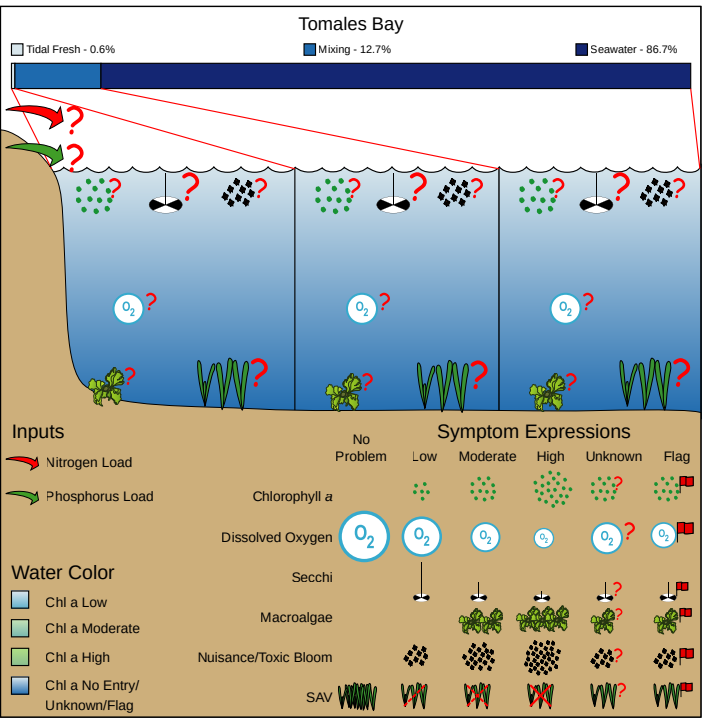
ASSETS Rating

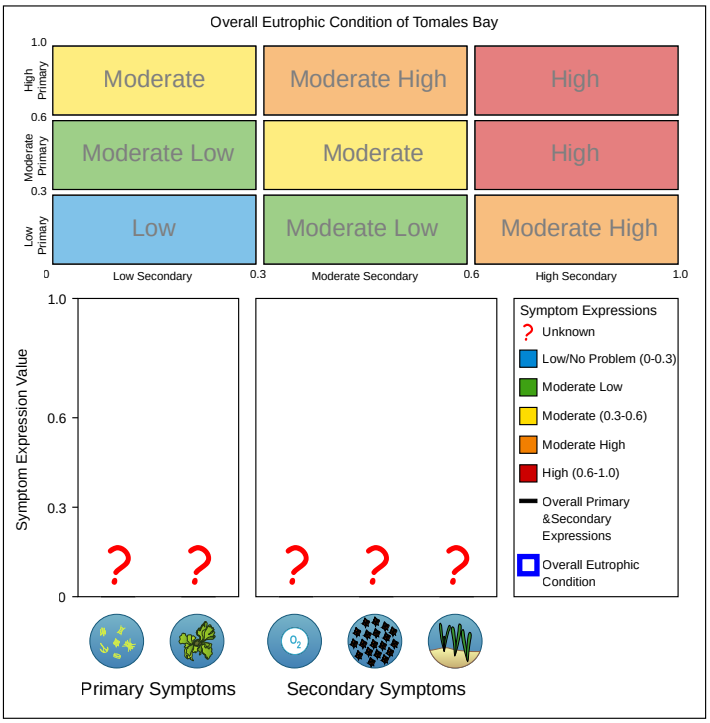
Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.

Influence/eutro/future	Unknown	Low	Mod Low	Moderate	Mod High	High
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)	29	Urban (km^2)	8 (1.4%)	Area (km^2)	544
Tidal fresh zone area (km^2)	<1	Agriculture (km^2)	31 (5.7%)	Mean elevation (m)	170
Mixing zone area (km^2)	4	Forest (km^2)	254 (46.9%)	Max. elevation (m)	731
Saltwater zone area (km^2)	25	Wetland (km^2)	0 (0%)	Watershed: estuary ratio	18.8
Volume (1,000 x m^3)	78,590	Range (km^2)	249 (45.9%)	TSS (tonne y^{-1})	2,000,000
Depth (m)	2.71	Barren (km^2)	0 (0%)	DIN (kg y^{-1})	Unknown
Tide Height (m)	1.10	Total (km^2)	541 (0%)	DIP (kg y^{-1})	Unknown
Residence Time (d)	3	Population	16,922	TSS/est. area (tonne km^{-2} y^{-1})	68,966
		Popn: est. area ratio	584	DIN/est. area (kg km^{-2} y^{-1})	Unknown
				DIP/est. area (kg km^{-2} y^{-1})	Unknown