

Mission Bay

SUMMARY

Data were unavailable to assess the eutrophic condition of Mission Bay. However, in the 1999 assessment, the bay was characterized by moderate low overall eutrophic conditions based on low symptom expressions for chlorophyll-a, macroalgae and nuisance/toxic blooms and no problematic low dissolved oxygen events.

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.



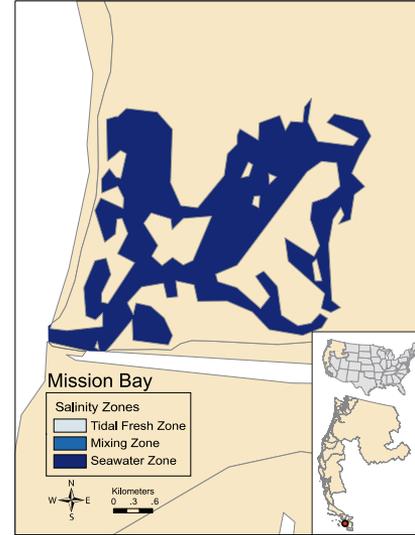
Future Outlook

An Unknown Future Outlook expression will occur if the Expected Changes In Nutrient Load by 2020 is Unknown.

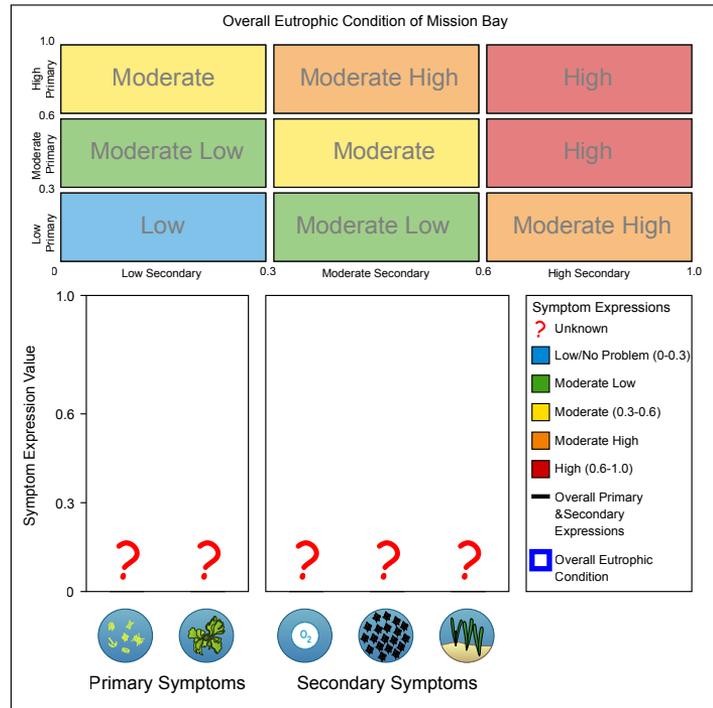
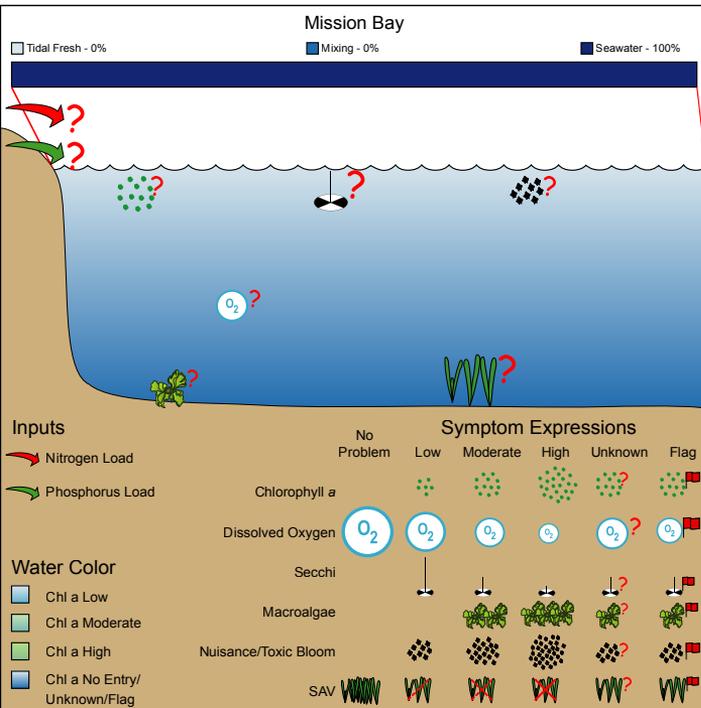


ASSETS Rating

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



EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km ²)	8	Urban (km ²)	111 (89.6%)	Area (km ²)	127
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	0 (0%)	Mean elevation (m)	114
Mixing zone area (km ²)	0	Forest (km ²)	0 (0%)	Max. elevation (m)	309
Saltwater zone area (km ²)	8	Wetland (km ²)	0 (0%)	Watershed: estuary ratio	15.9
Volume (1,000 x m ³)	23,360	Range (km ²)	13 (10.4%)	TSS (tonne y ⁻¹)	59,000
Depth (m)	2.92	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	1.17	Total (km ²)	124 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	3	Population	161,950	TSS/est. area (tonne km ⁻² y ⁻¹)	7,375
		Popn: est. area ratio	20,244	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown