

Rookery Bay

SUMMARY

Only dissolved oxygen and chlorophyll-a concentrations were available for Rookery Bay. Chlorophyll-a symptom expression is high dissolved oxygen symptom expression is moderate. Additional data are needed in order to accurately evaluate this system.

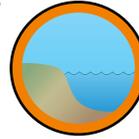
Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Primary symptoms high and substantial secondary symptoms becoming more expressed, indicating potentially serious problems.



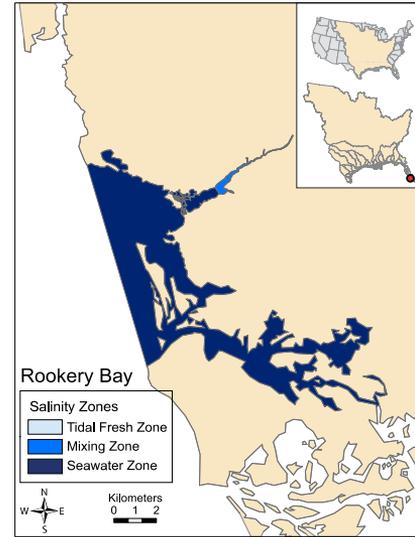
Future Outlook

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

Reliability and Confidence

ASSETS

Unknown

High

Good

Moderate

Poor

Bad

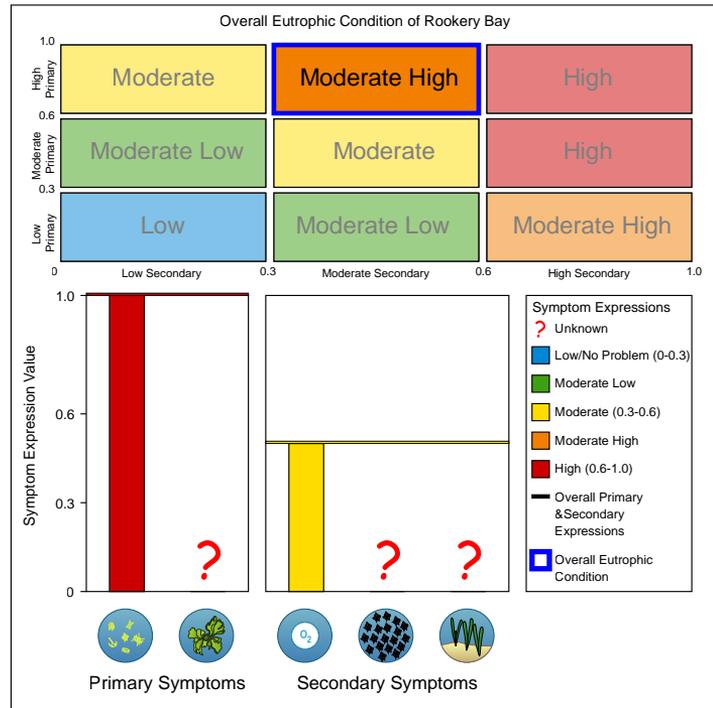
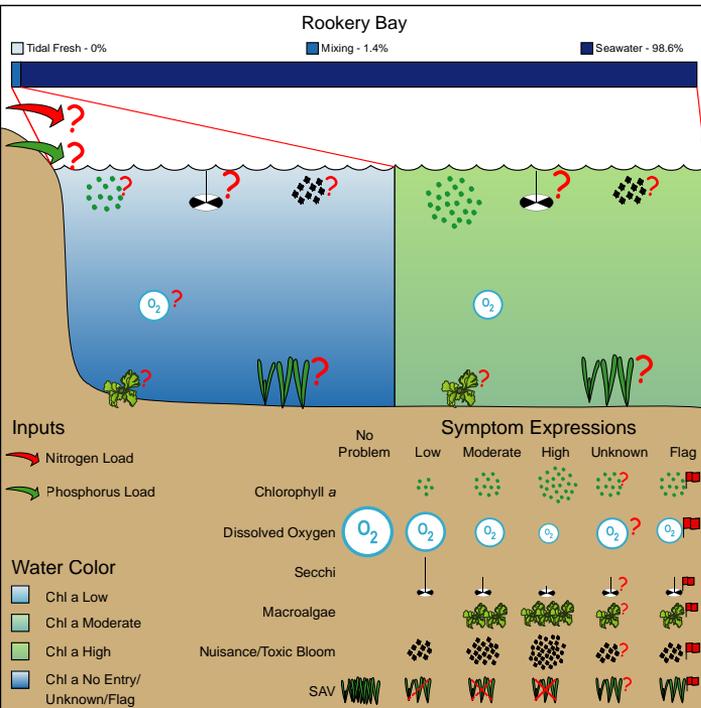
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High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km ²)	35	Urban (km ²)	41 (13%)	Area (km ²)	330
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	140 (43.9%)	Mean elevation (m)	1
Mixing zone area (km ²)	<1	Forest (km ²)	49 (15.4%)	Max. elevation (m)	3
Saltwater zone area (km ²)	35	Wetland (km ²)	85 (26.8%)	Watershed: estuary ratio	9.4
Volume (1,000 x m ³)	17,500	Range (km ²)	3 (0.8%)	TSS (tonne y ⁻¹)	3,900
Depth (m)	0.50	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.52	Total (km ²)	319 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	0	Population	14,858	TSS/est. area (tonne km ⁻² y ⁻¹)	111
		Popn: est. area ratio	425	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown