

Apalachee Bay

SUMMARY

Data were unavailable to assess the eutrophic condition of Apalachee Bay. In the 1999 assessment, the estuary was characterized by moderate low overall eutrophic conditions due to moderate chlorophyll-a and nuisance/toxic bloom frequency symptom expressions, and low dissolved oxygen symptom expression.

Influencing Factors

Low to moderate nitrogen input and moderate to high susceptibility (moderate ability to dilute and flush nutrients).



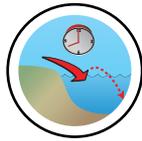
Eutrophic Conditions *

An Unknown Overall Eutrophic Condition expression will occur if either the Primary or Secondary overall symptom expression is Unknown.



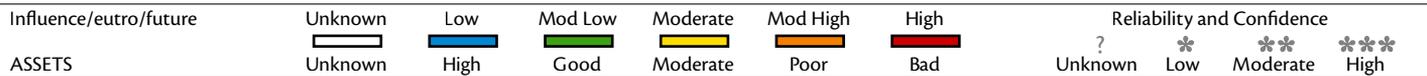
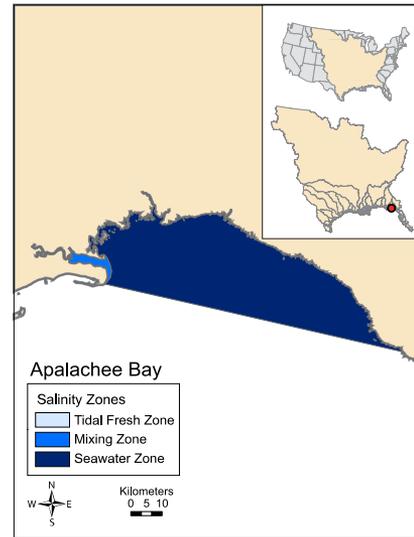
Future Outlook

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

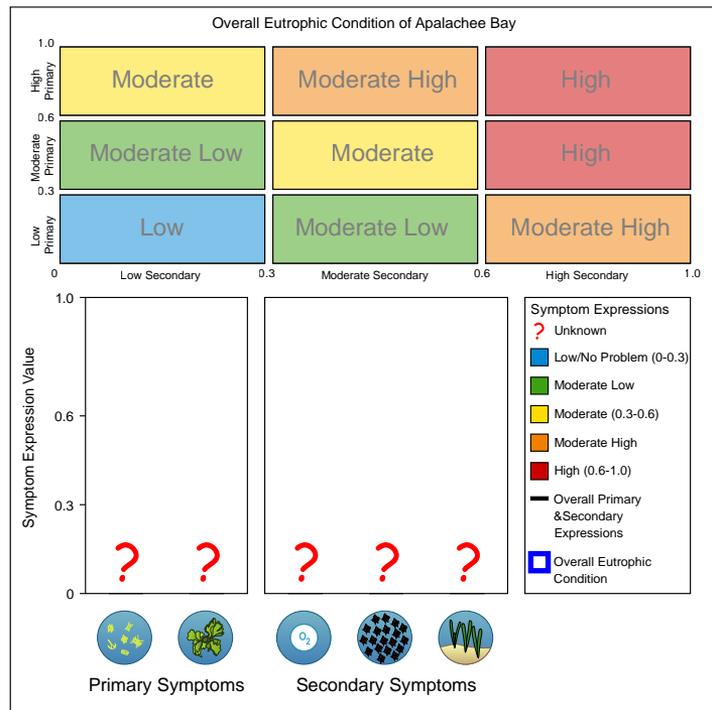
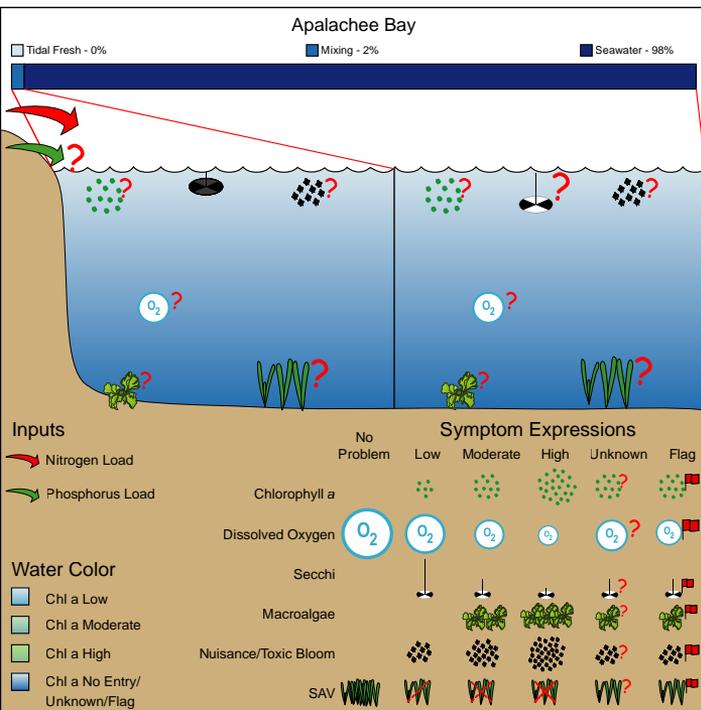


ASSETS Rating

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)	1,773	Urban (km ²)	544 (3.8%)	Area (km ²)	14,288
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	3,025 (21.4%)	Mean elevation (m)	40
Mixing zone area (km ²)	35	Forest (km ²)	8,599 (60.7%)	Max. elevation (m)	130
Saltwater zone area (km ²)	1,738	Wetland (km ²)	1,981 (14%)	Watershed: estuary ratio	8.1
Volume (1,000 x m ³)	3,404,160	Range (km ²)	13 (0.1%)	TSS (tonne y ⁻¹)	837,000
Depth (m)	1.92	Barren (km ²)	0 (0%)	TN (kg y ⁻¹)	6,080,000
Tide Height (m)	0.75	Total (km ²)	14,162 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	3	Population	352,196	TSS/est. area (tonne km ⁻² y ⁻¹)	472
		Popn: est. area ratio	199	TN/est. area (kg km ⁻² y ⁻¹)	3,429
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown