

Aransas Bay

SUMMARY

Insufficient data were available to assess the eutrophic condition of Aransas Bay. However, chlorophyll-a symptom condition in the mixing zone (71% of the Bay's area) is high, suggesting eutrophication, or at least the beginning stages, may be a problem.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



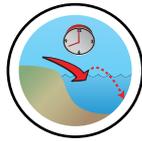
Eutrophic Conditions *

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



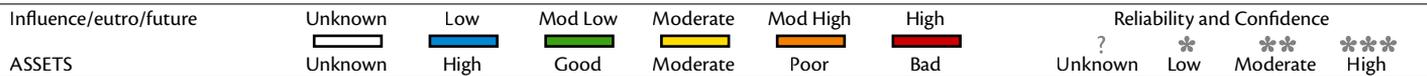
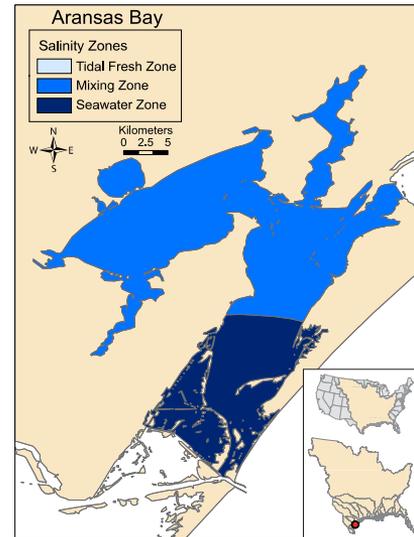
Future Outlook

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

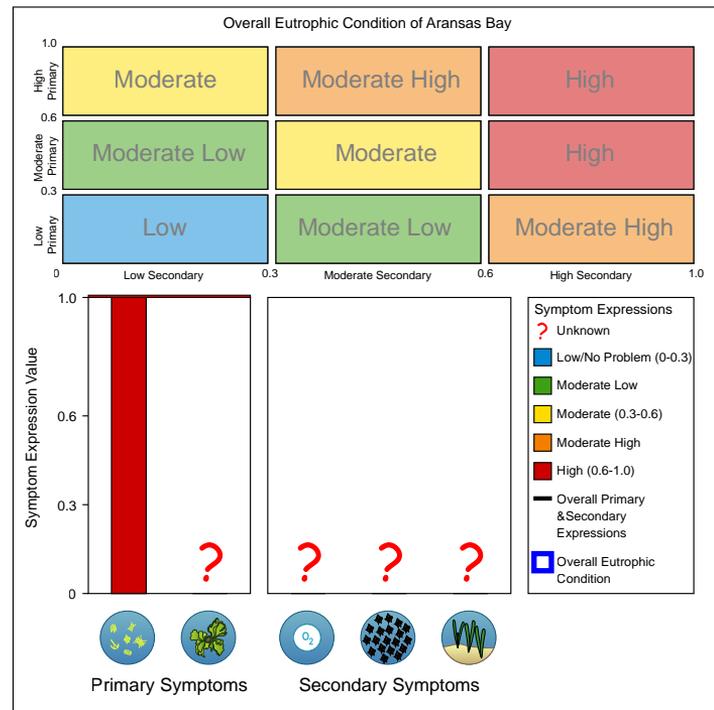
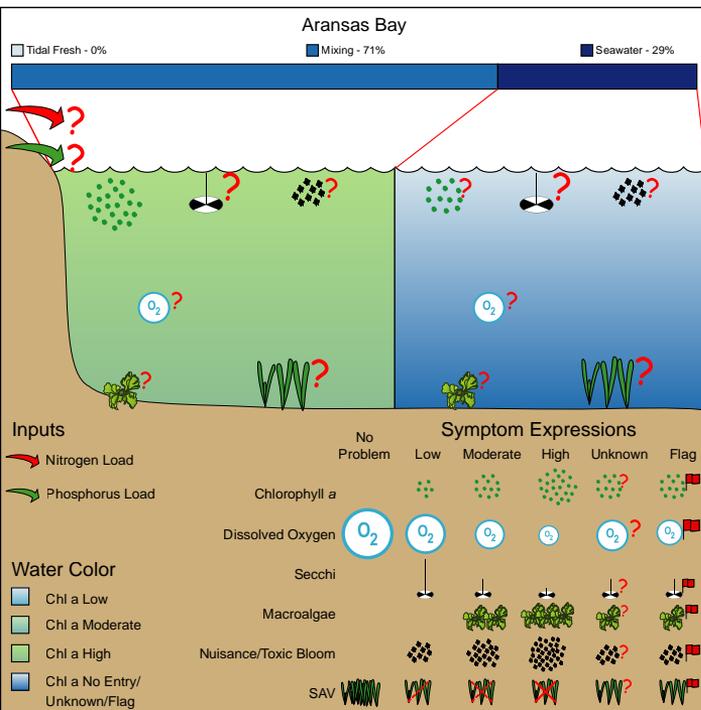


ASSETS Rating

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)	Urban (km ²)	Area (km ²)
262 (4.1%)	6,420	Mean elevation (m)
Tidal fresh zone area (km ²)	Agriculture (km ²)	38
0	2,178 (34.2%)	Max. elevation (m)
Mixing zone area (km ²)	Forest (km ²)	156
372	1,875 (29.5%)	Watershed: estuary ratio
Saltwater zone area (km ²)	Wetland (km ²)	12.3
152	238 (3.7%)	TSS (tonne y ⁻¹)
Volume (1,000 x m ³)	Range (km ²)	419,000
513,520	1,810 (28.4%)	DIN (kg y ⁻¹)
Depth (m)	Barren (km ²)	Unknown
0.98	0 (0%)	DIP (kg y ⁻¹)
Tide Height (m)	Total (km ²)	Unknown
0.23	6,364 (0%)	TSS/est. area (tonne km ⁻² y ⁻¹)
Residence Time (d)	Population	800
18	76,928	DIN/est. area (kg km ⁻² y ⁻¹)
	Popn: est. area ratio	Unknown
	147	DIP/est. area (kg km ⁻² y ⁻¹)
		Unknown