

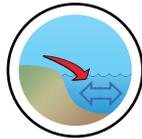
Atchafalaya/Vermilion Bays

SUMMARY

Limited data were available to assess the eutrophic condition of the Atchafalaya/Vermilion Bays. However, dissolved oxygen concentrations in the mixing zone (59% of total area) indicate that there is no problem for this symptom. In 1999, chlorophyll-a symptom expression was considered high (data were not available for 2004).

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



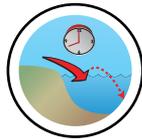
Eutrophic Conditions *

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



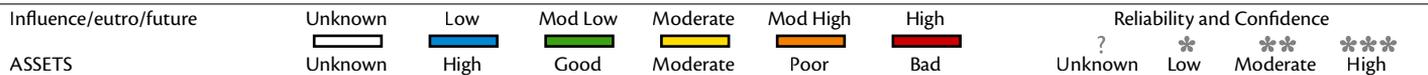
Future Outlook

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

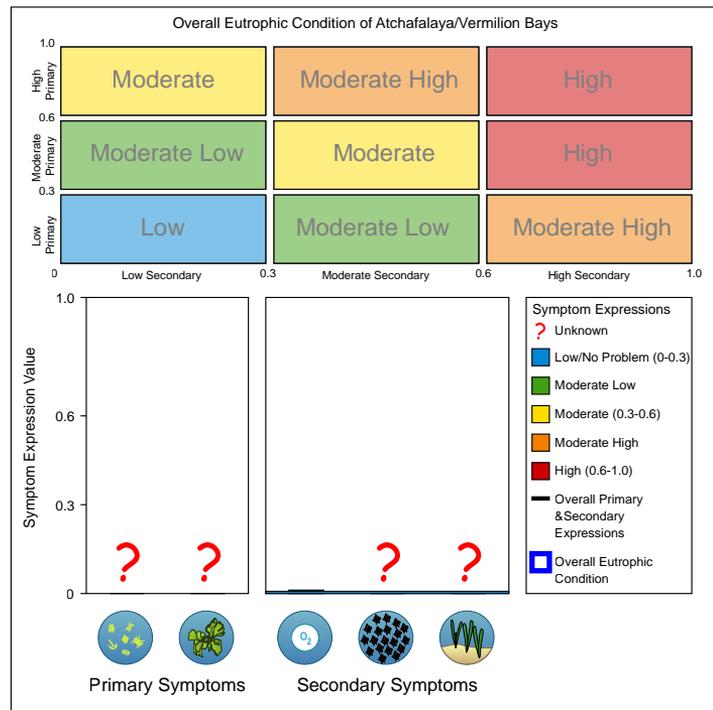
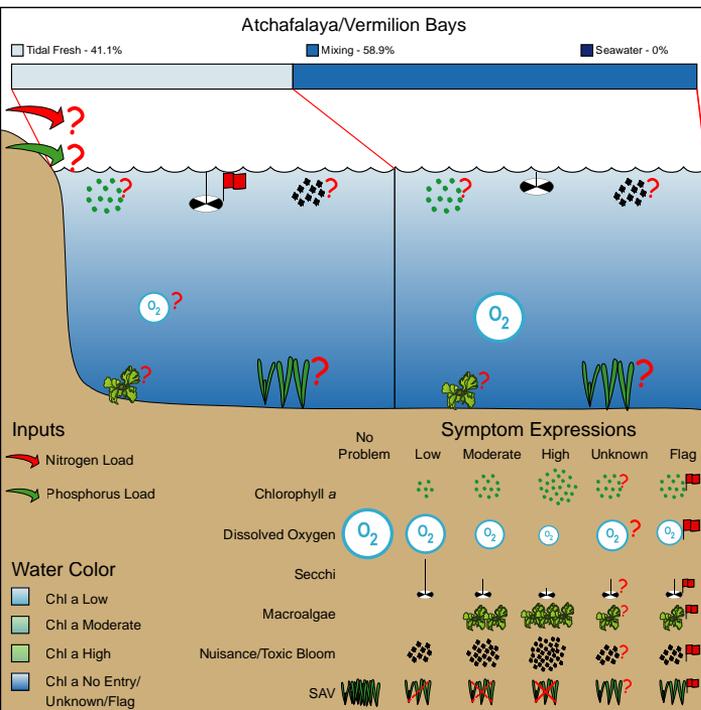


ASSETS Rating

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)	2,227	Urban (km ²)	7,324 (2.9%)	Area (km ²)	259,659
Tidal fresh zone area (km ²)	915	Agriculture (km ²)	107,246 (41.9%)	Mean elevation (m)	292
Mixing zone area (km ²)	1,312	Forest (km ²)	84,485 (33%)	Max. elevation (m)	1,512
Saltwater zone area (km ²)	0	Wetland (km ²)	14,564 (5.7%)	Watershed: estuary ratio	116.6
Volume (1,000 x m ³)	2,672,400	Range (km ²)	42,289 (16.5%)	TSS (tonne y ⁻¹)	1,960,000
Depth (m)	1.20	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.51	Total (km ²)	255,909 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	2	Population	3,523,821	TSS/est. area (tonne km ⁻² y ⁻¹)	880
		Popn: est. area ratio	1,582	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown