

East Mississippi Sound

SUMMARY

Very limited data were available for East Mississippi Sound. However, chlorophyll-a and dissolved oxygen symptom expressions in the mixing zone (90% of the Sound's area) were determined to be low. This was an improvement for both indicators since the moderate rating assigned in the 1999 assessment.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Level of expression of eutrophic conditions is minimal.



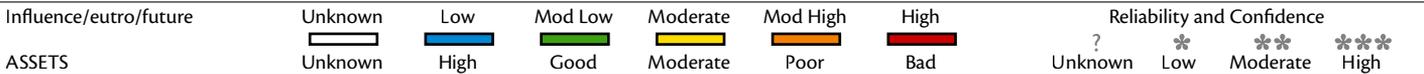
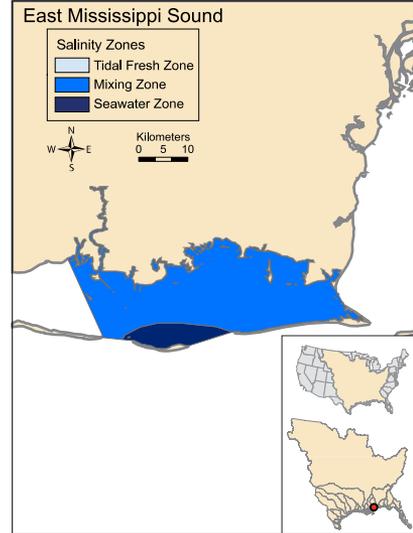
Future Outlook

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

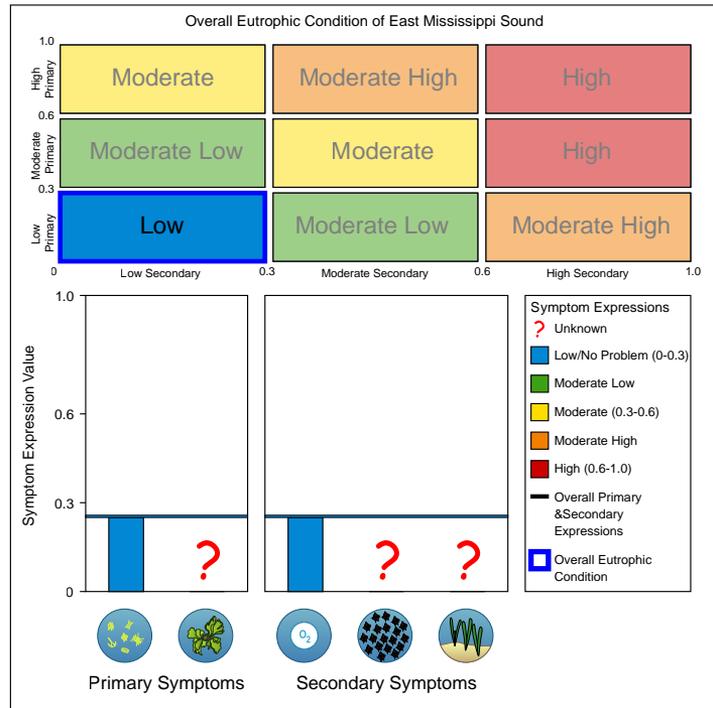
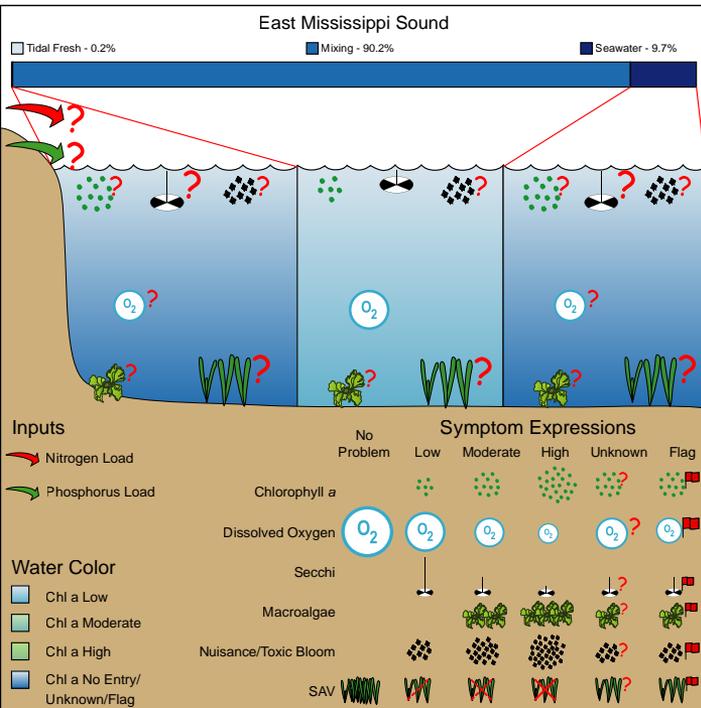


ASSETS Rating

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)	654	Urban (km ²)	966 (3.9%)	Area (km ²)	25,006
Tidal fresh zone area (km ²)	1	Agriculture (km ²)	5,095 (20.5%)	Mean elevation (m)	81
Mixing zone area (km ²)	590	Forest (km ²)	17,871 (71.9%)	Max. elevation (m)	198
Saltwater zone area (km ²)	63	Wetland (km ²)	881 (3.5%)	Watershed: estuary ratio	38.2
Volume (1,000 x m ³)	1,530,360	Range (km ²)	47 (0.2%)	TSS (tonne y ⁻¹)	407,000
Depth (m)	2.34	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.49	Total (km ²)	24,859 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	15	Population	523,176	TSS/est. area (tonne km ⁻² y ⁻¹)	622
		Popn: est. area ratio	800	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown