

West Mississippi Sound

SUMMARY

West Mississippi Sound is characterized by low symptom expressions for chlorophyll-a and dissolved oxygen. Chlorophyll-a symptom expression has improved since the 1999 assessment. All other water body condition parameters are unknown.

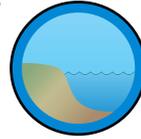
Influencing Factors

Moderate to high nitrogen input and moderate to high susceptibility (low ability for dilution and flushing of nutrients).



Eutrophic Conditions *

Level of expression of eutrophic conditions is minimal.



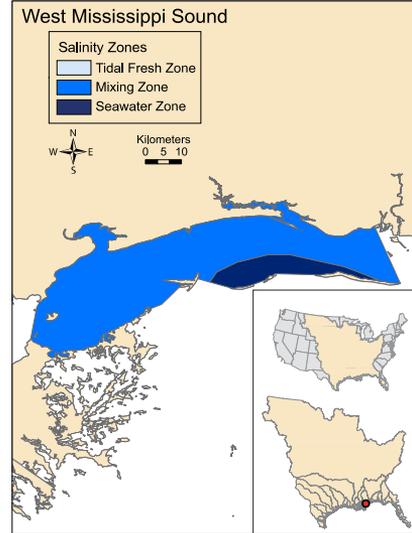
Future Outlook

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.



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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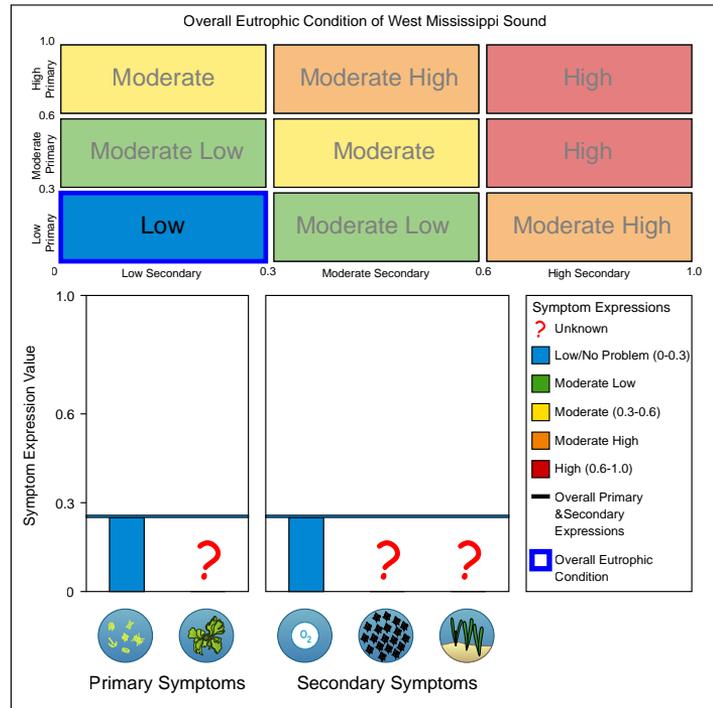
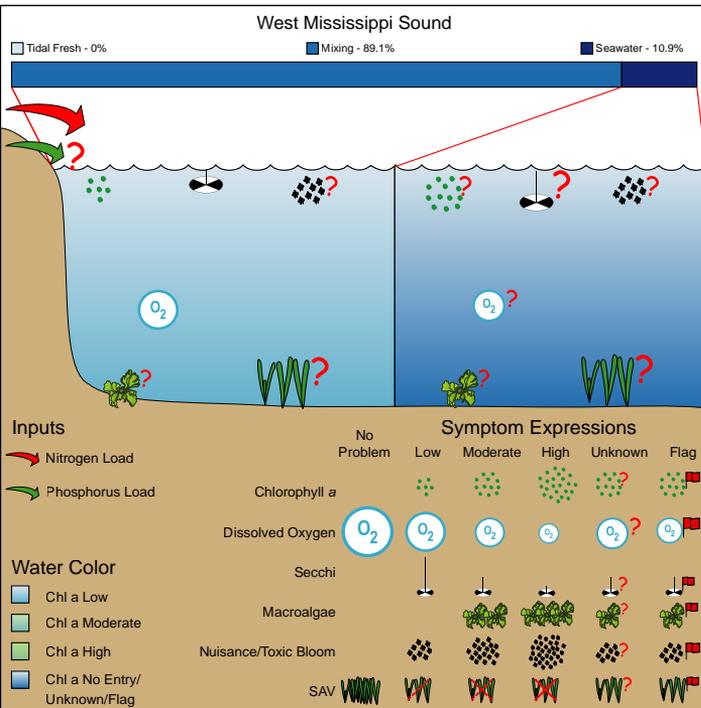
Unknown

Low

Moderate

High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population	Watershed Details / Input Loads
Area (km ²)	Urban (km ²)	Area (km ²)
1,581	2,896 (7.4%)	4,050
Tidal fresh zone area (km ²)	Agriculture (km ²)	Mean elevation (m)
0	10,295 (26.4%)	33
Mixing zone area (km ²)	Forest (km ²)	Max. elevation (m)
1,409	22,963 (58.8%)	124
Saltwater zone area (km ²)	Wetland (km ²)	Watershed: estuary ratio
172	2,906 (7.4%)	2.6
Volume (1,000 x m ³)	Range (km ²)	TSS (tonne y ⁻¹)
3,841,830	10 (0%)	563,000
Depth (m)	Barren (km ²)	TN (kg y ⁻¹)
2.43	0 (0%)	24,930,000
Tide Height (m)	Total (km ²)	DIP (kg y ⁻¹)
0.51	39,070 (0%)	Unknown
Residence Time (d)	Population	TSS/est. area (tonne km ⁻² y ⁻¹)
23	215,299	356
	Popn: est. area ratio	TN/est. area (kg km ⁻² y ⁻¹)
	136	15,769
		DIP/est. area (kg km ⁻² y ⁻¹)
		Unknown