

Terrebonne/Timbalier Bays

SUMMARY

While data were inadequate for a full assessment, Terrebonne/Timbalier Bays data show no problems with dissolved oxygen. The 1999 assessment reported moderate overall eutrophic conditions due to a high chlorophyll-a symptom expression, though other symptoms showed no problems. Nitrogen loads, however, have increased since the 1999 assessment.

Influencing Factors

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



Future Outlook

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



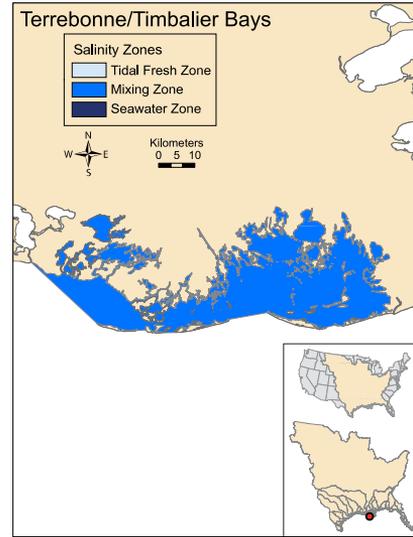
Eutrophic Conditions *

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

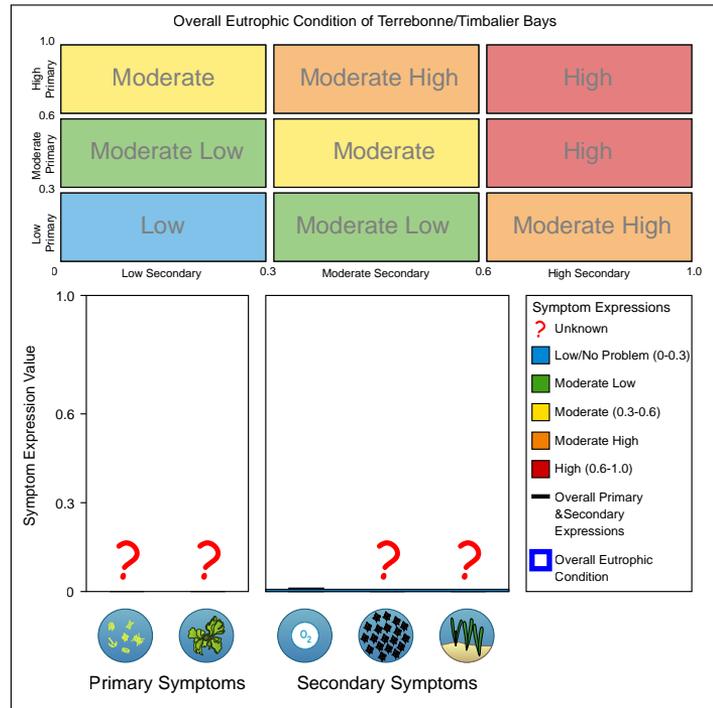
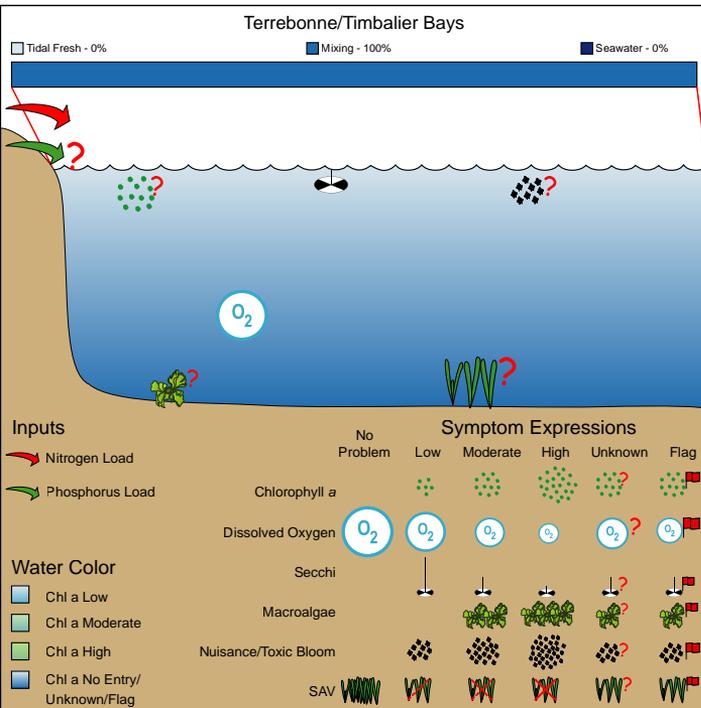
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High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population	Watershed Details / Input Loads
Area (km ²)	1,262	Urban (km ²) 181 (8.3%)
Tidal fresh zone area (km ²)	0	Agriculture (km ²) 259 (11.9%)
Mixing zone area (km ²)	1,262	Forest (km ²) 5 (0.2%)
Saltwater zone area (km ²)	0	Wetland (km ²) 1,733 (79.5%)
Volume (1,000 x m ³)	858,160	Range (km ²) 0 (0%)
Depth (m)	0.68	Barren (km ²) 0 (0%)
Tide Height (m)	0.40	Total (km ²) 2,178 (0%)
Residence Time (d)	3	Population 109,458
		Popn: est. area ratio 87
		Area (km ²) 2,633
		Mean elevation (m) 0
		Max. elevation (m) 4
		Watershed: estuary ratio 2.1
		TSS (tonne y ⁻¹) 8,080
		DIN (kg y ⁻¹) 990,000
		DIP (kg y ⁻¹) Unknown
		TSS/est. area (tonne km ⁻² y ⁻¹) 6
		DIN/est. area (kg km ⁻² y ⁻¹) 785
		DIP/est. area (kg km ⁻² y ⁻¹) Unknown