

Bogue Sound

SUMMARY

No data were available to assess the eutrophic condition of Bogue Sound for 2004. However, the estuary was characterized in 1999 by a moderate low eutrophic condition, stemming from moderate chlorophyll-a concentrations and low frequency of nuisance/toxic blooms.

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.



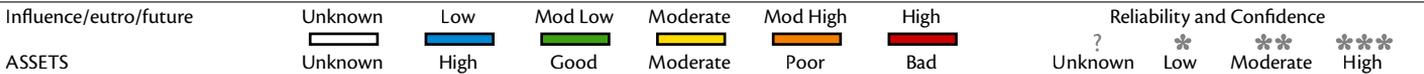
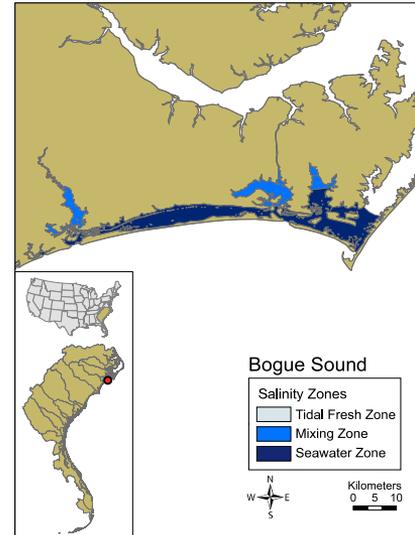
Future Outlook

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

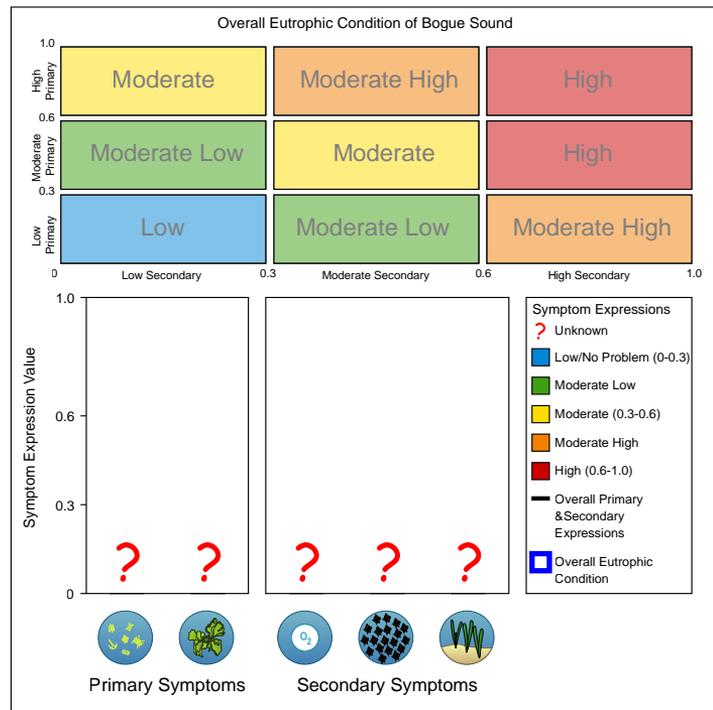
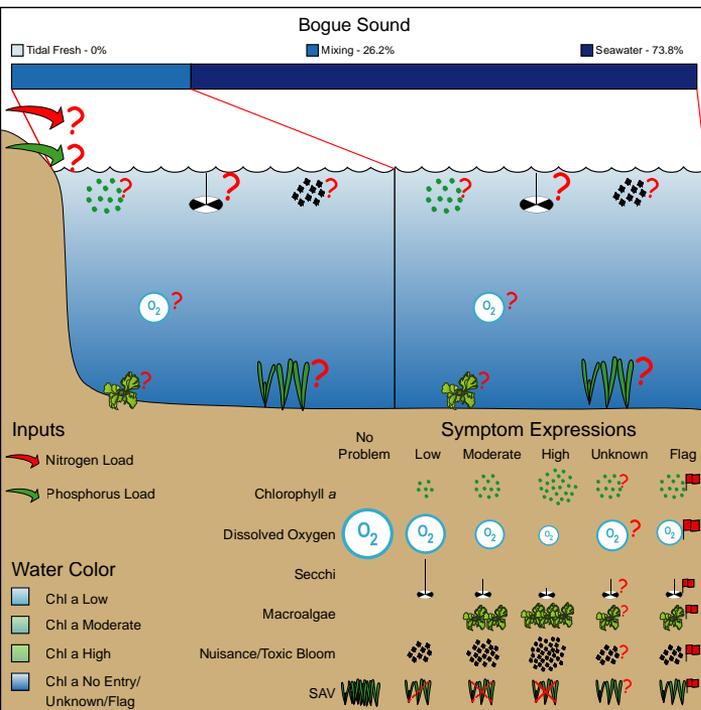


ASSETS Rating

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)	274	Urban (km ²)	145 (9.7%)	Area (km ²)	1,555
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	181 (12.1%)	Mean elevation (m)	8
Mixing zone area (km ²)	72	Forest (km ²)	603 (40.3%)	Max. elevation (m)	24
Saltwater zone area (km ²)	202	Wetland (km ²)	565 (37.7%)	Watershed: estuary ratio	5.7
Volume (1,000 x m ³)	361,680	Range (km ²)	3 (0.2%)	TSS (tonne y ⁻¹)	44,900
Depth (m)	1.32	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.73	Total (km ²)	1,497 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	2	Population	47,891	TSS/est. area (tonne km ⁻² y ⁻¹)	164
		Popn: est. area ratio	175	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown