

North/South Santee Rivers

SUMMARY

The Santee River system is characterized by moderate symptom expressions of dissolved oxygen and chlorophyll-a. Occasional harmful algal blooms have been documented, but were not surveyed for the earlier report. SAV and macroalgae do not occur in this estuary. Overall eutrophic condition is moderate.

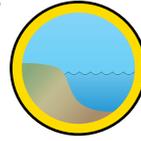
Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Level of expression of eutrophic conditions is substantial.



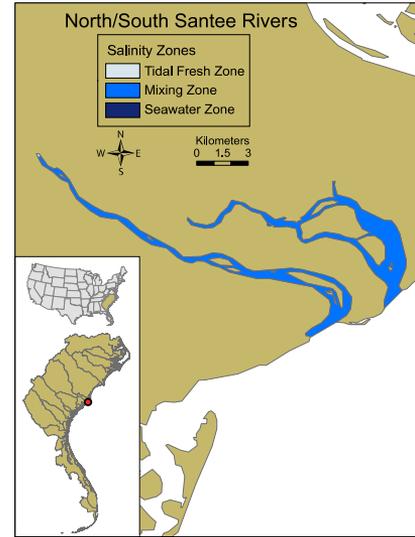
Future Outlook

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

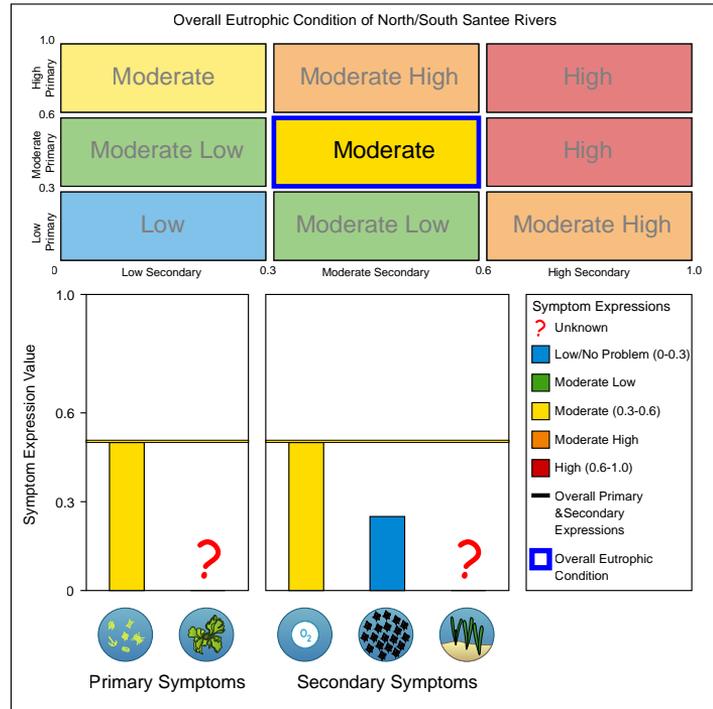
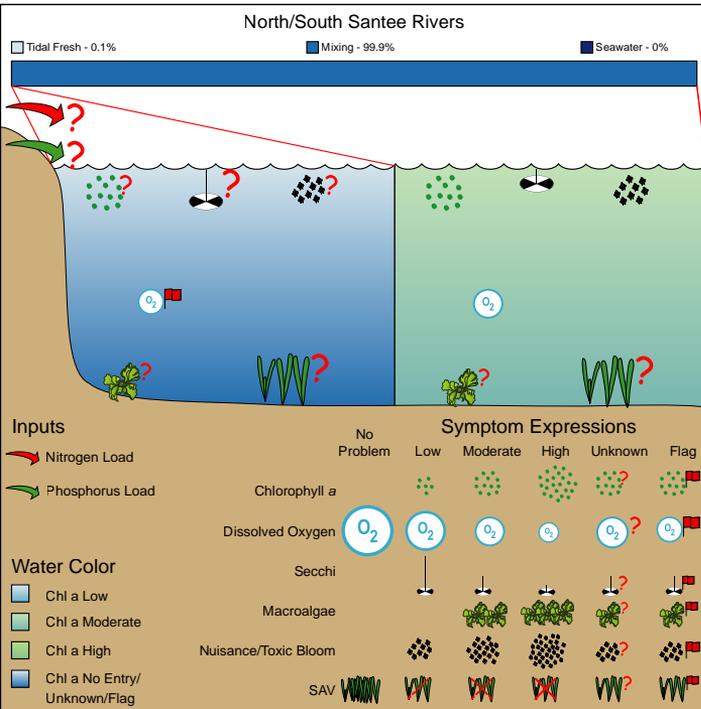


ASSETS Rating

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)	18	Urban (km ²) 21 (1.1%)
Tidal fresh zone area (km ²)	<1	Agriculture (km ²) 220 (12.2%)
Mixing zone area (km ²)	18	Forest (km ²) 906 (50.2%)
Saltwater zone area (km ²)	0	Wetland (km ²) 653 (36.2%)
Volume (1,000 x m ³)	21,960	Range (km ²) 5 (0.3%)
Depth (m)	1.22	Barren (km ²) 0 (0%)
Tide Height (m)	1.09	Total (km ²) 1,805 (0%)
Residence Time (d)	0	Population 14,100
		Popn: est. area ratio 783
		Area (km ²) 1,818
		Mean elevation (m) 11
		Max. elevation (m) 40
		Watershed: estuary ratio 101.0
		TSS (tonne y ⁻¹) 16,000
		TN (kg y ⁻¹) Unknown
		TP (kg y ⁻¹) Unknown
		TSS/est. area (tonne km ⁻² y ⁻¹) 889
		TN/est. area (kg km ⁻² y ⁻¹) Unknown
		TP/est. area (kg km ⁻² y ⁻¹) Unknown