

Pamlico/Pungo Rivers

SUMMARY

Data were unavailable to assess the Pamlico/Pungo Rivers for 2004. However, in the 1999 assessment, the estuary was characterized with a moderate high eutrophic condition, stemming from high chlorophyll-a symptom expression and moderate dissolved oxygen, nuisance/toxic bloom and SAV symptom expressions.

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.



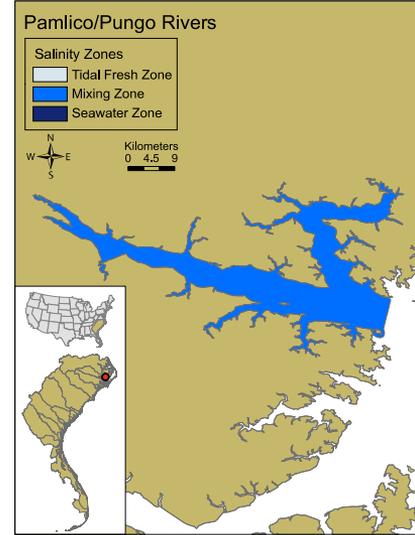
Future Outlook

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

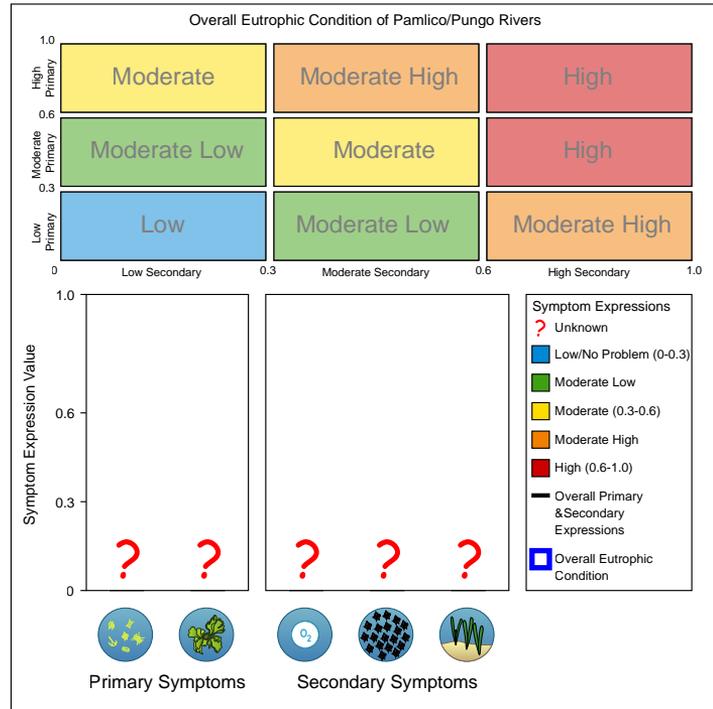
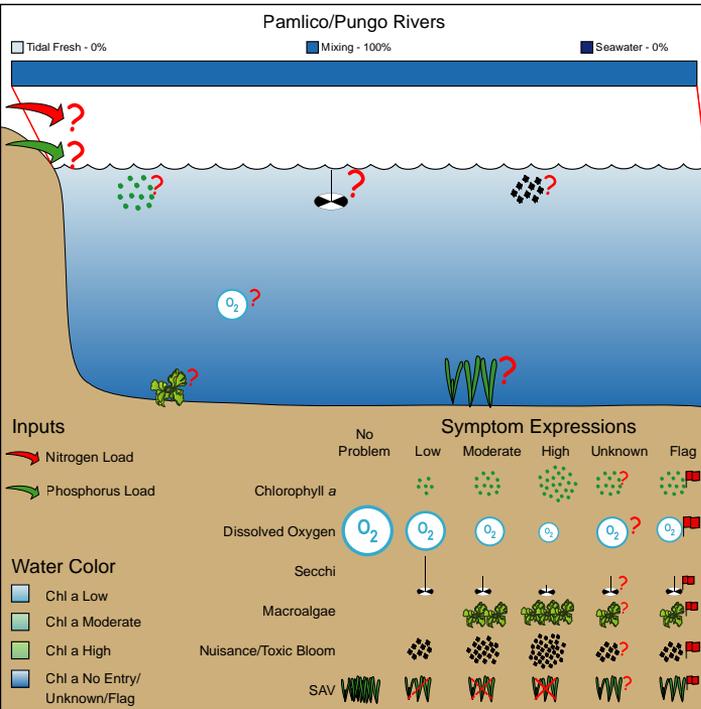


ASSETS Rating

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)	452	Urban (km ²)	523 (4.9%)	Area (km ²)	10,730
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	4,121 (38.6%)	Mean elevation (m)	47
Mixing zone area (km ²)	452	Forest (km ²)	4,981 (46.7%)	Max. elevation (m)	207
Saltwater zone area (km ²)	0	Wetland (km ²)	1,033 (9.7%)	Watershed: estuary ratio	23.7
Volume (1,000 x m ³)	732,240	Range (km ²)	18 (0.2%)	TSS (tonne y ⁻¹)	49,300
Depth (m)	1.62	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.15	Total (km ²)	10,676 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	39	Population	354,945	TSS/est. area (tonne km ⁻² y ⁻¹)	109
		Popn: est. area ratio	785	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown