

Penobscot Bay

SUMMARY

Penobscot Bay is characterized by a low symptom expressions for all indicators except SAV for which no data were available. The overall eutrophic condition rating is low suggesting that this system has minimal problems with nutrient related water quality problems.

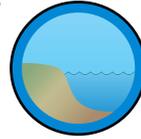
Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions *

Level of expression of eutrophic conditions is minimal.



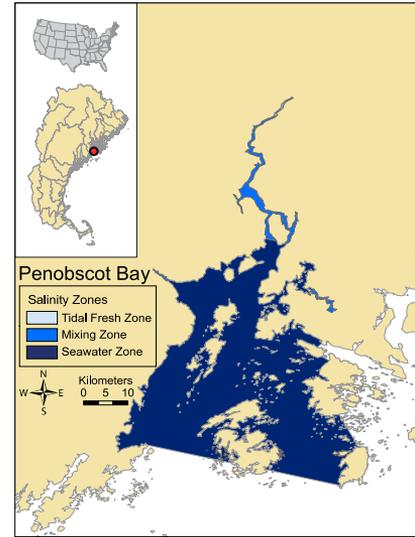
Future Outlook

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

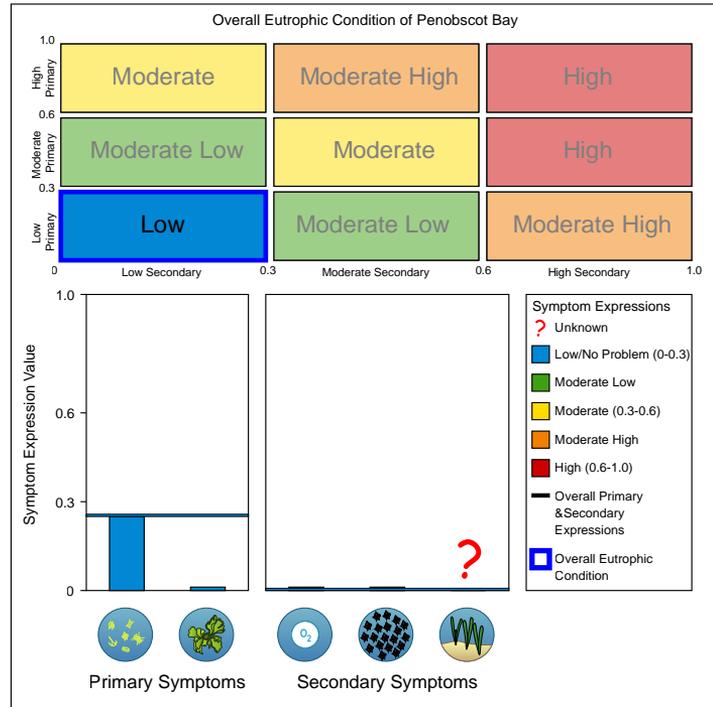
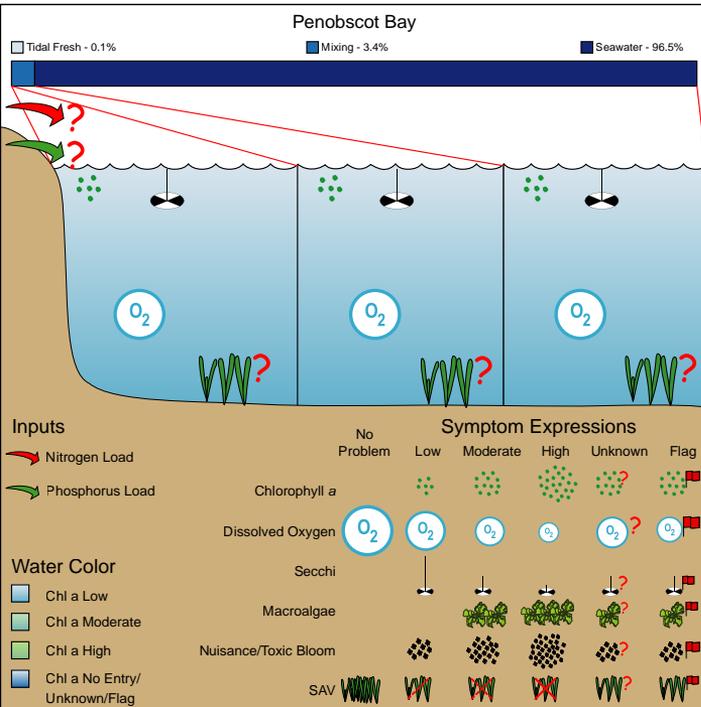


ASSETS Rating

Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.



EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population		Watershed Details / Input Loads		
Area (km ²)	992	Urban (km ²)	487 (2.2%)	Area (km ²)	23,241
Tidal fresh zone area (km ²)	<1	Agriculture (km ²)	800 (3.6%)	Mean elevation (m)	222
Mixing zone area (km ²)	34	Forest (km ²)	18,215 (82.4%)	Max. elevation (m)	1,503
Saltwater zone area (km ²)	957	Wetland (km ²)	2,502 (11.3%)	Watershed: estuary ratio	23.4
Volume (1,000 x m ³)	24,442,880	Range (km ²)	101 (0.5%)	TSS (tonne y ⁻¹)	69,000
Depth (m)	24.64	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	3.19	Total (km ²)	22,106 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	29	Population	194,605	TSS/est. area (tonne km ⁻² y ⁻¹)	70
		Popn: est. area ratio	196	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown