

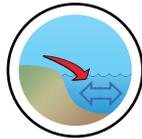
# Saco Bay

## SUMMARY

Insufficient data were available to characterize the eutrophic condition of Saco Bay. However, the bay is frequently affected by nuisance/toxic blooms. In the 1999 assessment, the bay was characterized by moderate overall eutrophic conditions based on low chlorophyll-a and dissolved oxygen symptom expressions but had no macroalgae problems.

## Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



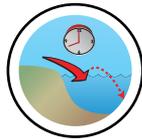
## Eutrophic Conditions \*

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



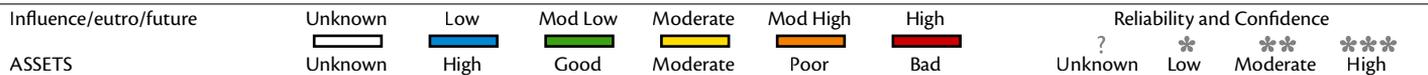
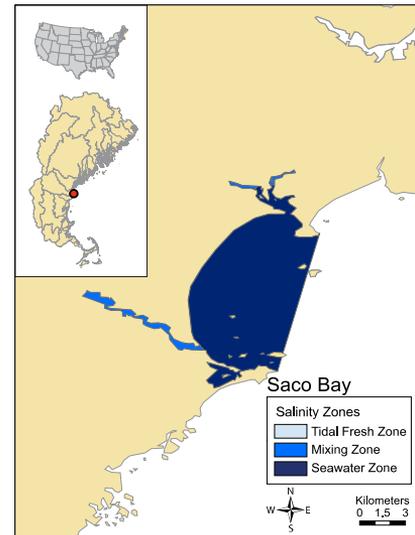
## Future Outlook

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

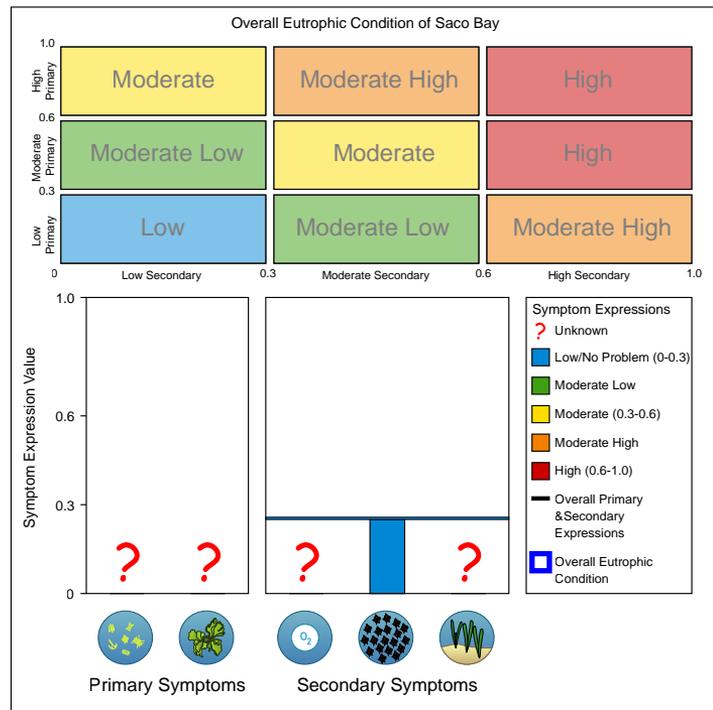
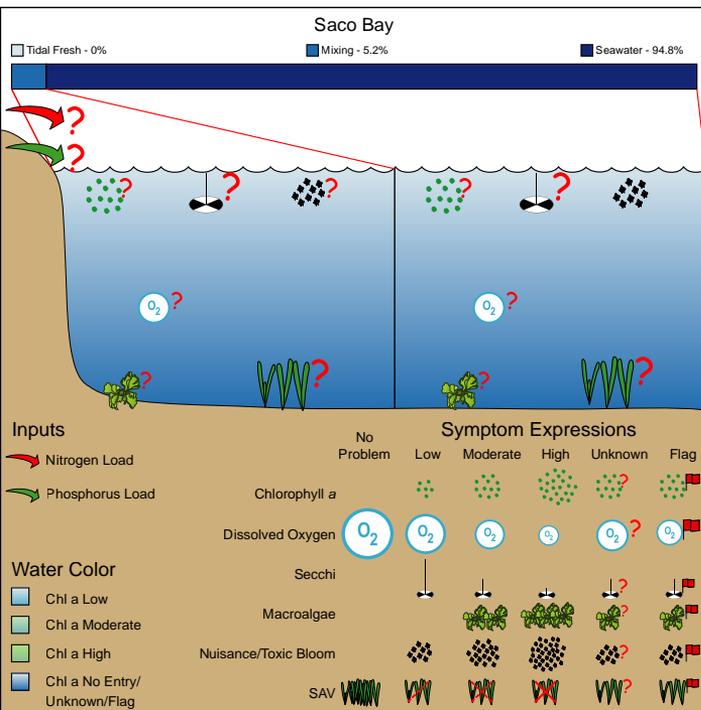


## ASSETS Rating

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 <sup>2</sup> )	49	Urban (km <sup>2</sup> )	231 (5.2%)	Area (km <sup>2</sup> )	4,593
Tidal fresh zone area (km <sup>2</sup> )	0	Agriculture (km <sup>2</sup> )	181 (4.1%)	Mean elevation (m)	274
Mixing zone area (km <sup>2</sup> )	3	Forest (km <sup>2</sup> )	3,916 (88%)	Max. elevation (m)	1,873
Saltwater zone area (km <sup>2</sup> )	46	Wetland (km <sup>2</sup> )	122 (2.7%)	Watershed: estuary ratio	93.7
Volume (1,000 x m <sup>3</sup> )	494,410	Range (km <sup>2</sup> )	3 (0.1%)	TSS (tonne y <sup>-1</sup> )	20,600
Depth (m)	10.09	Barren (km <sup>2</sup> )	0 (0%)	DIN (kg y <sup>-1</sup> )	Unknown
Tide Height (m)	2.67	Total (km <sup>2</sup> )	4,452 (0%)	DIP (kg y <sup>-1</sup> )	Unknown
Residence Time (d)	7	Population	115,370	TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> )	420
		Popn: est. area ratio	2,355	DIN/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	Unknown
				DIP/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )	Unknown