

# Narraguagus Bay

## SUMMARY

Data were unavailable to assess the eutrophic condition of Narraguagus Bay. In the 1999 assessment, the bay was characterized by a moderate symptom expression for chlorophyll-a and healthy dissolved oxygen levels in the mixing and seawater zones. Although nuisance/toxic blooms were rated as high, these originate offshore and advect into the bay.

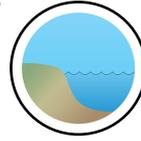
## Influencing Factors

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.



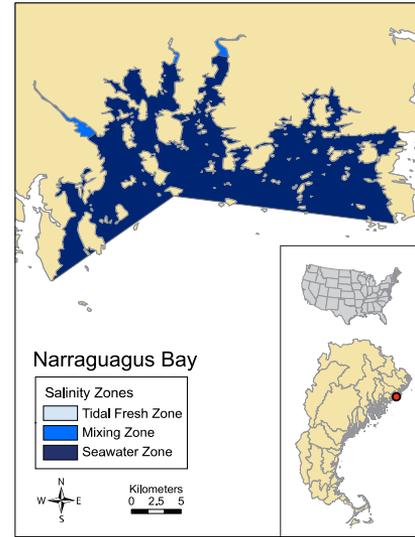
## Future Outlook

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.



Influence/eutro/future

Unknown

Low

Mod Low

Moderate

Mod High

High

Reliability and Confidence

ASSETS

Unknown

High

Good

Moderate

Poor

Bad

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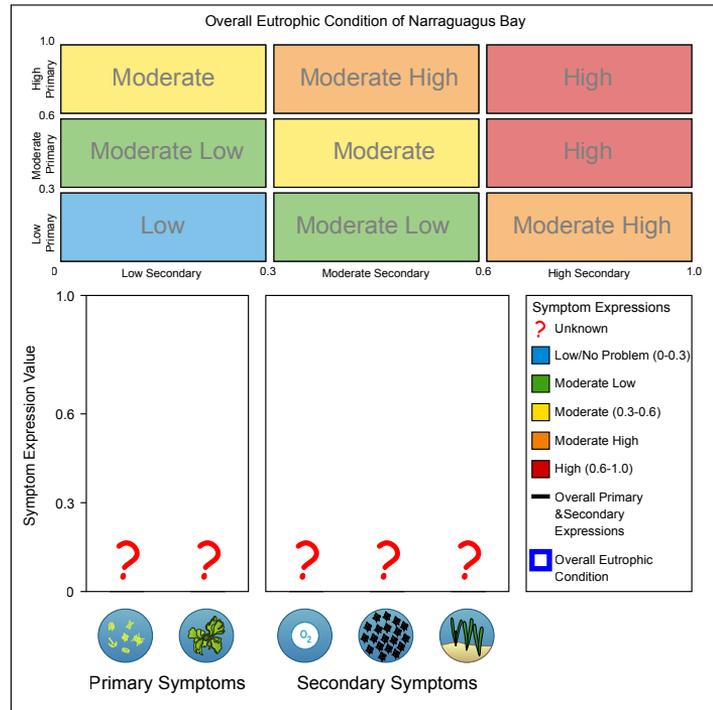
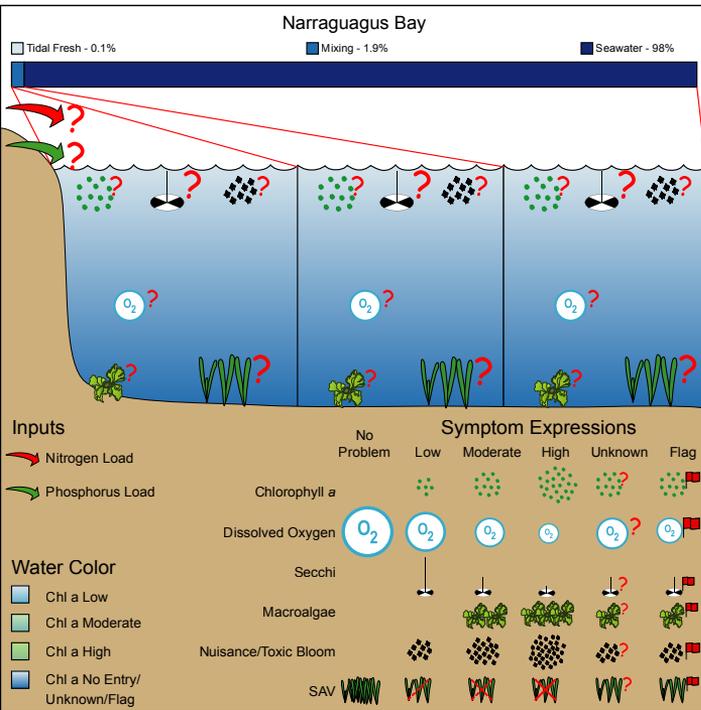
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High

## EUTROPHIC CONDITION



## WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population	Watershed Details / Input Loads
Area (km <sup>2</sup> )	206	Urban (km <sup>2</sup> ) 16 (1.3%)
Tidal fresh zone area (km <sup>2</sup> )	<1	Agriculture (km <sup>2</sup> ) 80 (6.5%)
Mixing zone area (km <sup>2</sup> )	4	Forest (km <sup>2</sup> ) 927 (75.5%)
Saltwater zone area (km <sup>2</sup> )	202	Wetland (km <sup>2</sup> ) 155 (12.7%)
Volume (1,000 x m <sup>3</sup> )	2,029,100	Range (km <sup>2</sup> ) 49 (4%)
Depth (m)	9.85	Barren (km <sup>2</sup> ) 0 (0%)
Tide Height (m)	3.46	Total (km <sup>2</sup> ) 1,228 (0%)
Residence Time (d)	4	Population 4,334
		Popn: est. area ratio 21
		Area (km <sup>2</sup> ) 1,271
		Mean elevation (m) 76
		Max. elevation (m) 381
		Watershed: estuary ratio 6.2
		TSS (tonne y <sup>-1</sup> ) 14,100
		DIN (kg y <sup>-1</sup> ) Unknown
		DIP (kg y <sup>-1</sup> ) Unknown
		TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> ) 68
		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