

# Merrimack River

## SUMMARY

No data were available for assessment of the eutrophic condition of the Merrimack River. In the 1999 assessment there was also insufficient data for assessment. The only data available in 1999 were SAV data, showing moderate losses of seagrasses.

## Influencing Factors

Any level nitrogen input and low to moderate susceptibility (good ability to dilute and flush nutrients).



## Future Outlook

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



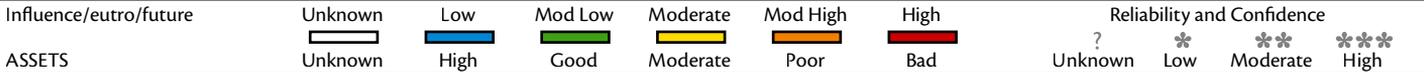
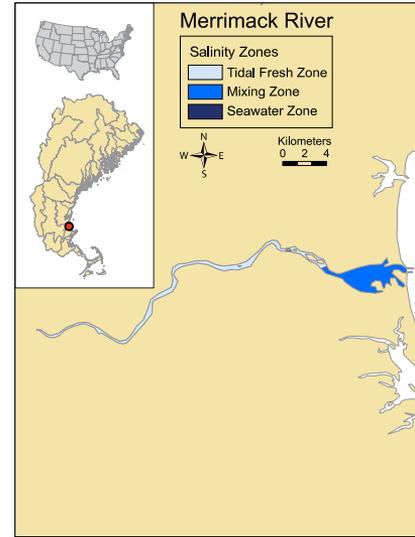
## Eutrophic Conditions \*

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

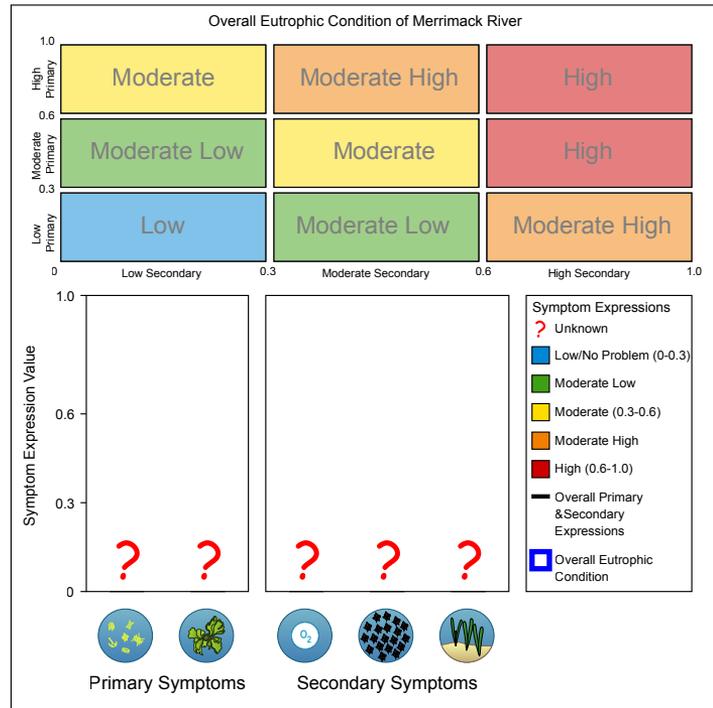
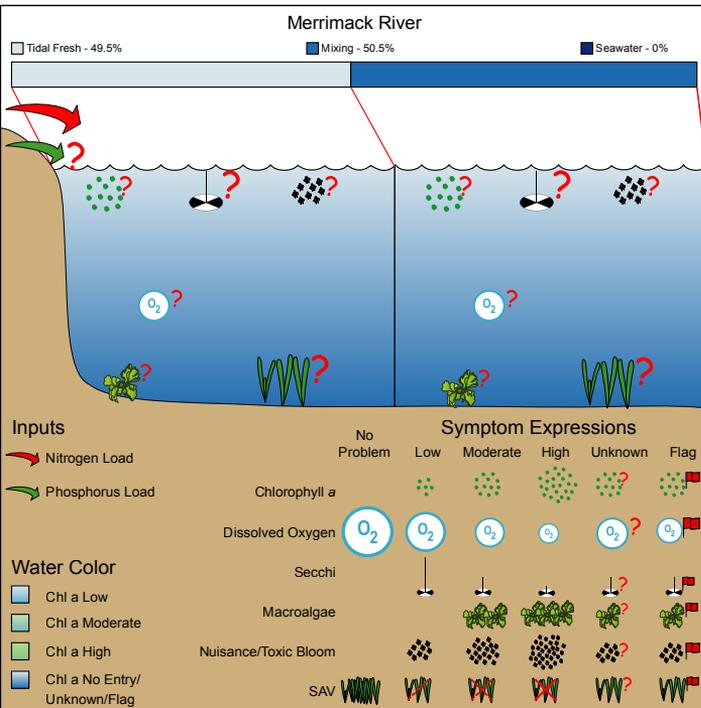


## ASSETS Rating

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> )	Urban (km <sup>2</sup> )	Area (km <sup>2</sup> )
Tidal fresh zone area (km <sup>2</sup> )	Agriculture (km <sup>2</sup> )	Mean elevation (m)
Mixing zone area (km <sup>2</sup> )	Forest (km <sup>2</sup> )	Max. elevation (m)
Saltwater zone area (km <sup>2</sup> )	Wetland (km <sup>2</sup> )	Watershed: estuary ratio
Volume (1,000 x m <sup>3</sup> )	Range (km <sup>2</sup> )	TSS (tonne y <sup>-1</sup> )
Depth (m)	Barren (km <sup>2</sup> )	TN (kg y <sup>-1</sup> )
Tide Height (m)	Total (km <sup>2</sup> )	DIP (kg y <sup>-1</sup> )
Residence Time (d)	Population	TSS/est. area (tonne km <sup>-2</sup> y <sup>-1</sup> )
	Popn: est. area ratio	TN/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )
		DIP/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )