

# Nehalem River

## SUMMARY

Inadequate data were available to evaluate the eutrophic condition of the Nehalem River in both the 1999 and the 2004 assessments. In the 1999 assessment, chlorophyll-a symptom expression was low and there were no low dissolved oxygen problems suggesting that this system has minimal impacts from eutrophication.

## 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.



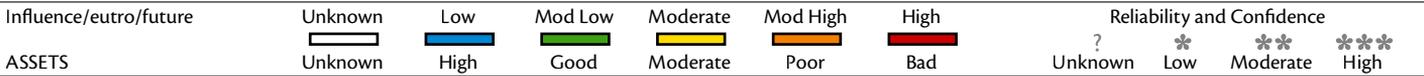
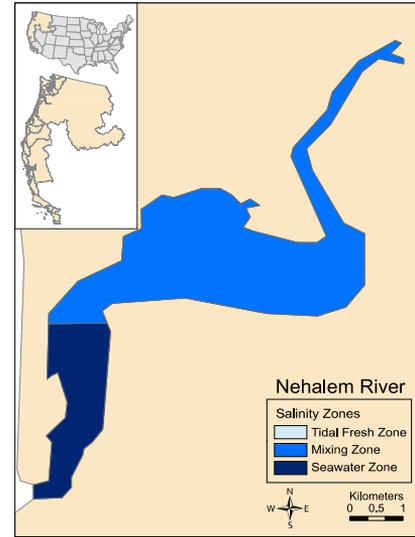
## Future Outlook

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

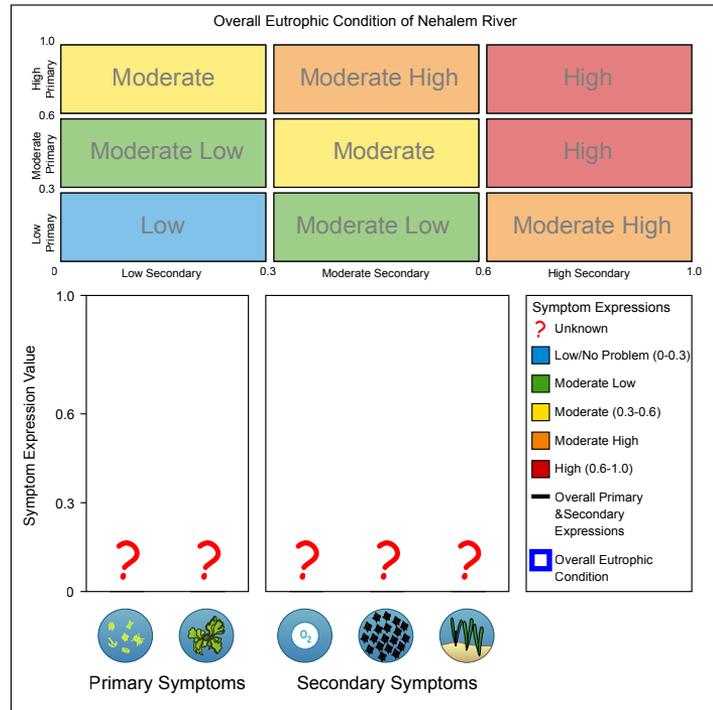
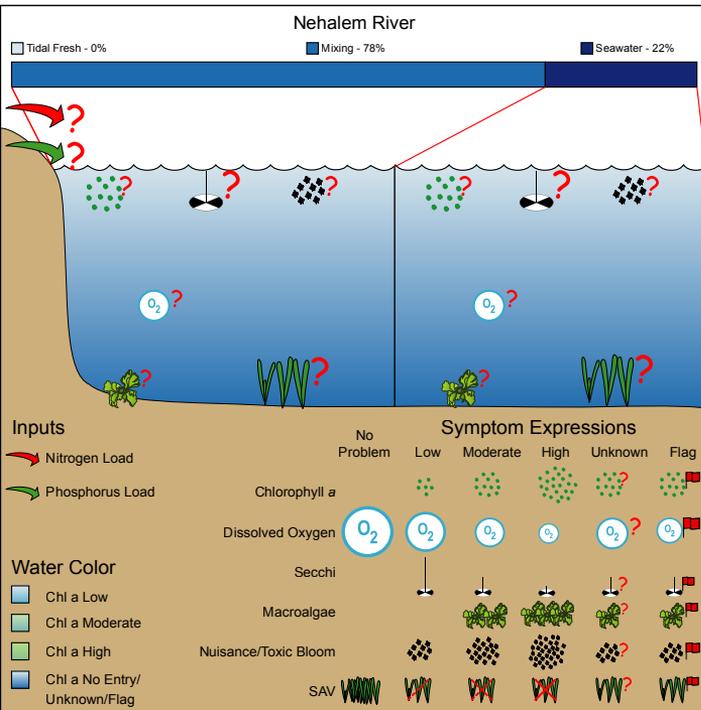


## ASSETS Rating

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> )	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> )	DIN (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	DIN/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )
		DIP/est. area (kg km <sup>-2</sup> y <sup>-1</sup> )