

St. Andrew Bay

SUMMARY

No data were available to assess the eutrophic condition of St. Andrew Bay. In the 1999 assessment, the bay was characterized by a moderate eutrophic condition rating, with moderate chlorophyll-a and dissolved oxygen symptom expressions. Nuisance/toxic blooms and macroalgae were rated as low in the 1999 assessment.

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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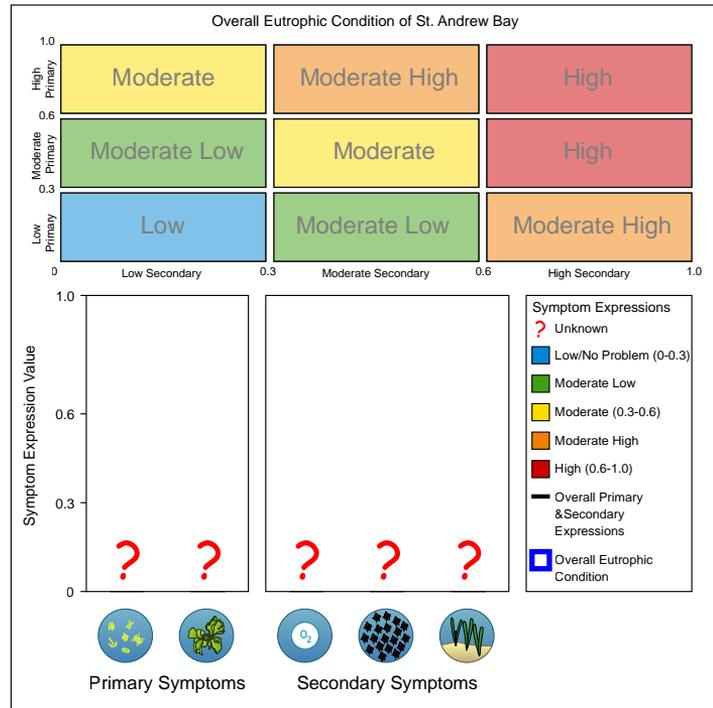
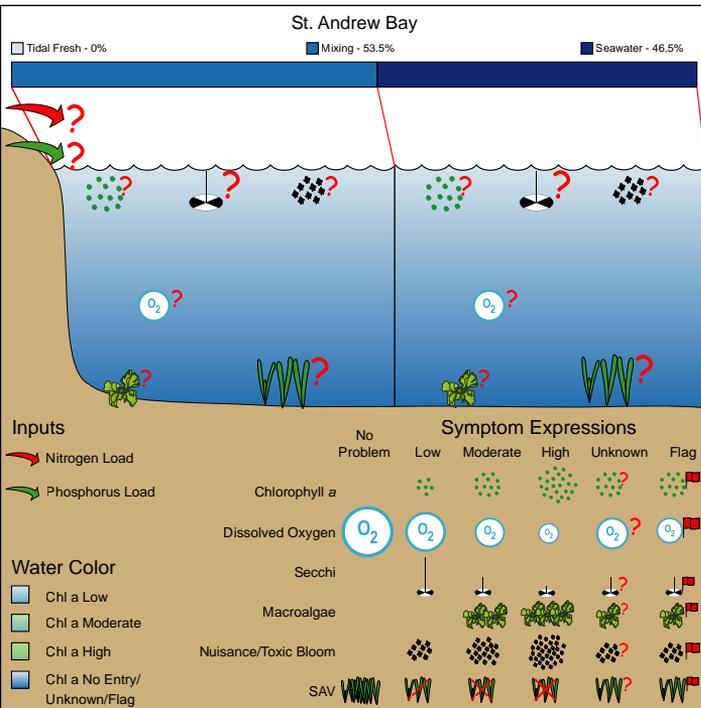
Unknown

Low

Moderate

High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km ²)	252	Urban (km ²)	236 (8.9%)	Area (km ²)	2,697
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	83 (3.1%)	Mean elevation (m)	20
Mixing zone area (km ²)	135	Forest (km ²)	1,966 (74.5%)	Max. elevation (m)	94
Saltwater zone area (km ²)	117	Wetland (km ²)	352 (13.3%)	Watershed: estuary ratio	10.7
Volume (1,000 x m ³)	713,160	Range (km ²)	3 (0.1%)	TSS (tonne y ⁻¹)	110,000
Depth (m)	2.83	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	0.44	Total (km ²)	2,639 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	38	Population	91,594	TSS/est. area (tonne km ⁻² y ⁻¹)	437
		Popn: est. area ratio	364	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown