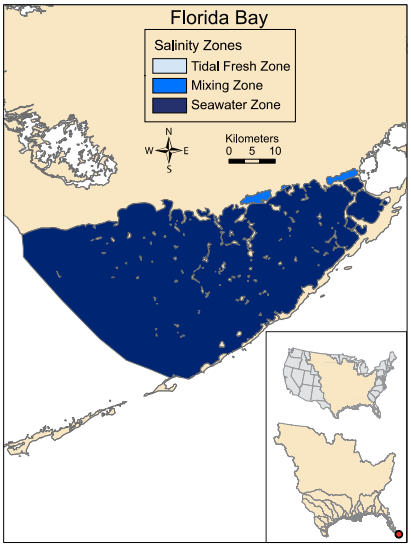
Florida Bay

SUMMARY

The overall eutrophic condition of Florida Bay is moderate but no change since 1999 can be determined. High chlorophyll-a symptom expression was reported due to periodic elevated concentrations over a large area, which have worsened since the 1999 assessment. Dissolved oxygen symptom expression was low, an improvement since the 1999 assessment.



Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.

Eutrophic Conditions *

Primary symptoms high but problems with more serious secondary symptoms still not being expressed.

Future Outlook

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

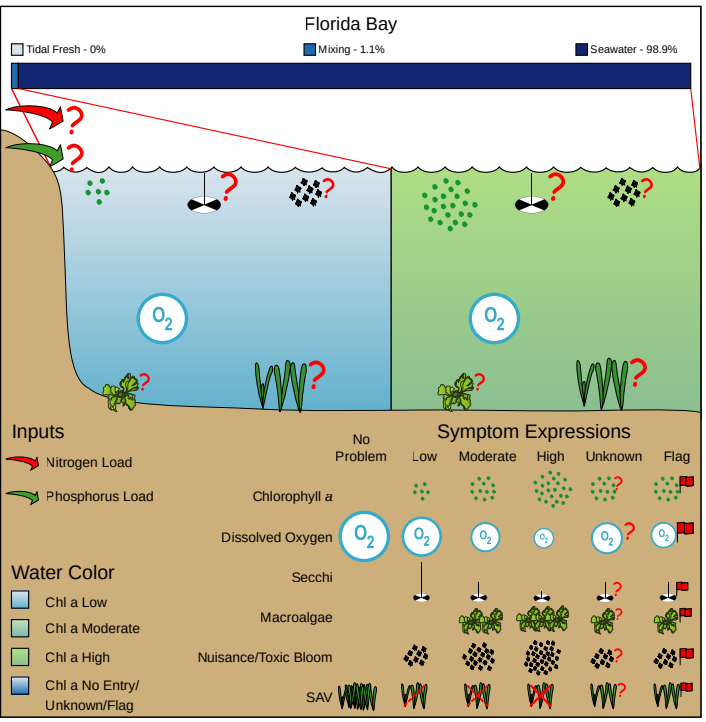
ASSETS Rating

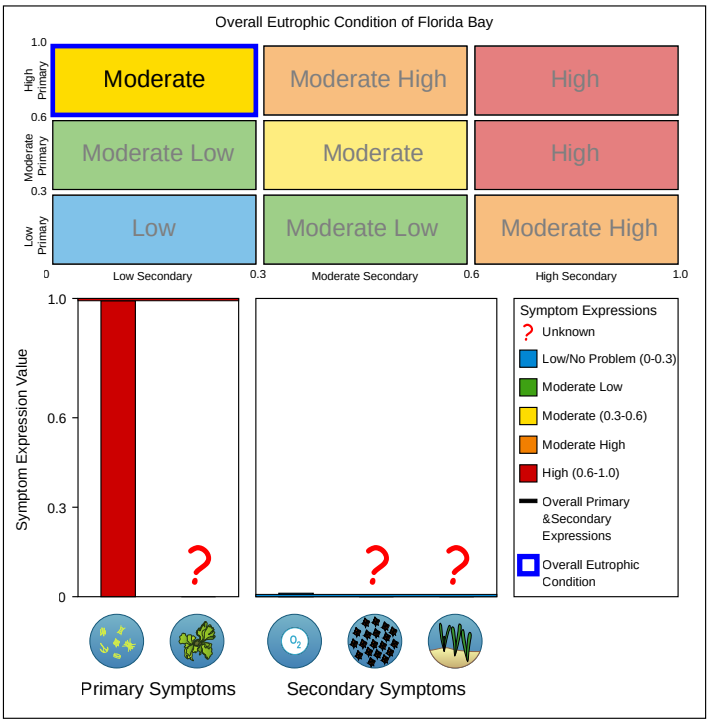
Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.

Influence/eutro/future	Unknown	Low	Mod Low	Moderate	Mod High	High
ASSETS	Unknown	High	Good	Moderate	Poor	Bad

Reliability and Confidence			
? Unknown	* Low	** Moderate	*** High

EUTROPHIC CONDITION





WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km^2)	1,663	Urban (km^2)	13 (1.6%)	Area (km^2)	905
Tidal fresh zone area (km^2)	0	Agriculture (km^2)	10 (1.3%)	Mean elevation (m)	1
Mixing zone area (km^2)	18	Forest (km^2)	18 (2.2%)	Max. elevation (m)	2
Saltwater zone area (km^2)	1,645	Wetland (km^2)	780 (94.7%)	Watershed: estuary ratio	0.5
Volume (1,000 x m^3)	1,031,060	Range (km^2)	3 (0.3%)	TSS (tonne y^{-1})	32,600
Depth (m)	0.62	Barren (km^2)	0 (0%)	DIN (kg y^{-1})	Unknown
Tide Height (m)	0.30	Total (km^2)	824 (0%)	DIP (kg y^{-1})	Unknown
Residence Time (d)	2	Population	3,421	TSS/est. area (tonne km^{-2} y^{-1})	20
		Popn: est. area ratio	2	DIN/est. area (kg km^{-2} y^{-1})	Unknown
				DIP/est. area (kg km^{-2} y^{-1})	Unknown