

Wells Bay

SUMMARY

Wells Bay is characterized by low symptom expressions for chlorophyll-a and dissolved oxygen. The bay has not suffered SAV loss and has no problems with macroalgae or nuisance/toxic blooms. Changes cannot be determined since conditions in the bay were unknown for the 1999 assessment.

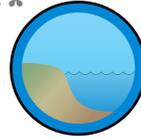
Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions **

Level of expression of eutrophic conditions is minimal.



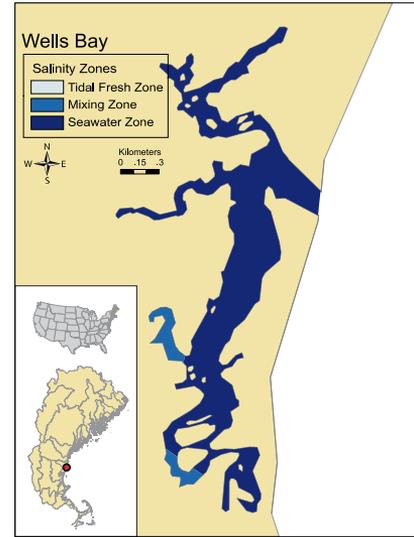
Future Outlook

Nutrient related symptoms observed in the estuary are likely to worsen only minimally.



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

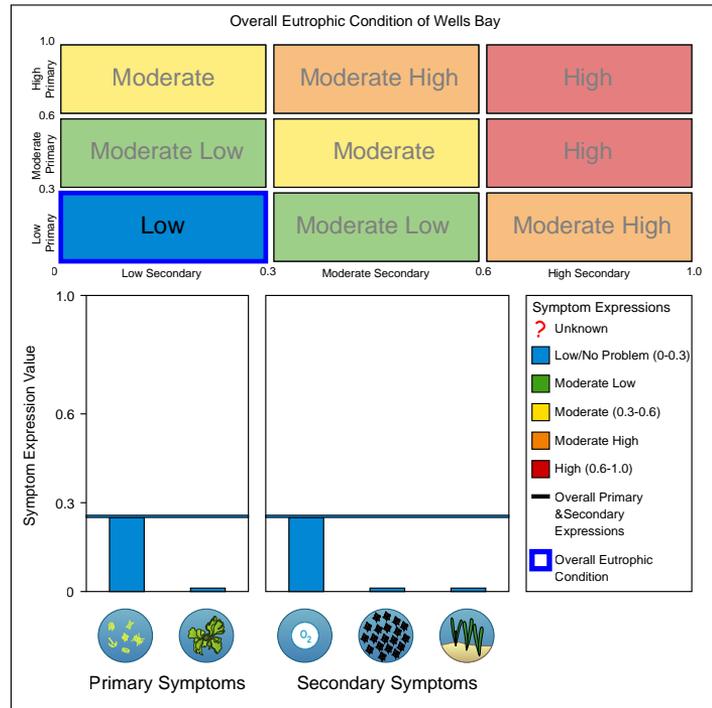
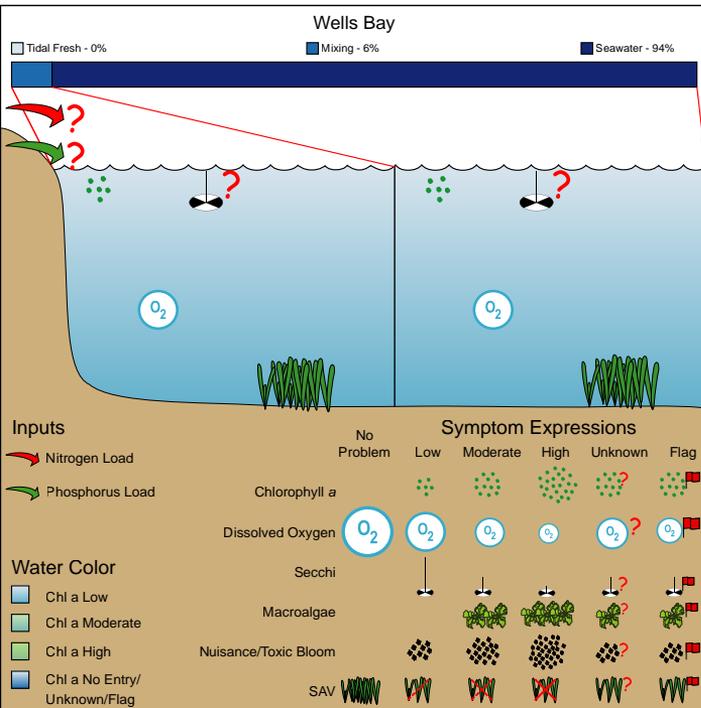
Unknown

Low

Moderate

High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary		Landuse / Population		Watershed Details / Input Loads	
Area (km ²)	1	Urban (km ²)	2 (8%)	Area (km ²)	22
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	2 (7%)	Mean elevation (m)	31
Mixing zone area (km ²)	<1	Forest (km ²)	18 (80%)	Max. elevation (m)	60
Saltwater zone area (km ²)	<1	Wetland (km ²)	1 (5%)	Watershed: estuary ratio	22.0
Volume (1,000 x m ³)	2,000	Range (km ²)	0 (0%)	TSS (tonne y ⁻¹)	193
Depth (m)	2.00	Barren (km ²)	0 (0%)	DIN (kg y ⁻¹)	Unknown
Tide Height (m)	2.50	Total (km ²)	22 (0%)	DIP (kg y ⁻¹)	Unknown
Residence Time (d)	0	Population	1,527	TSS/est. area (tonne km ⁻² y ⁻¹)	193
		Popn: est. area ratio	1,527	DIN/est. area (kg km ⁻² y ⁻¹)	Unknown
				DIP/est. area (kg km ⁻² y ⁻¹)	Unknown