

# Corpus Christi Bay

## SUMMARY

Corpus Christi Bay is characterized by high chlorophyll-a and macroalgae symptom expressions. Macroalgae symptoms appear to be localized to Redfish Bay area. The Bay also experiences episodic nuisance/toxic blooms. Dissolved oxygen concentrations and changes in SAV cover are unknown.

## Influencing Factors

Moderate to high nitrogen input and moderate to high susceptibility (low ability for dilution and flushing of nutrients).



## Eutrophic Conditions \*

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



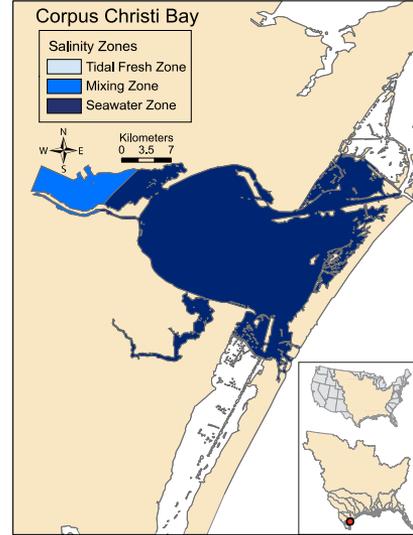
## Future Outlook

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

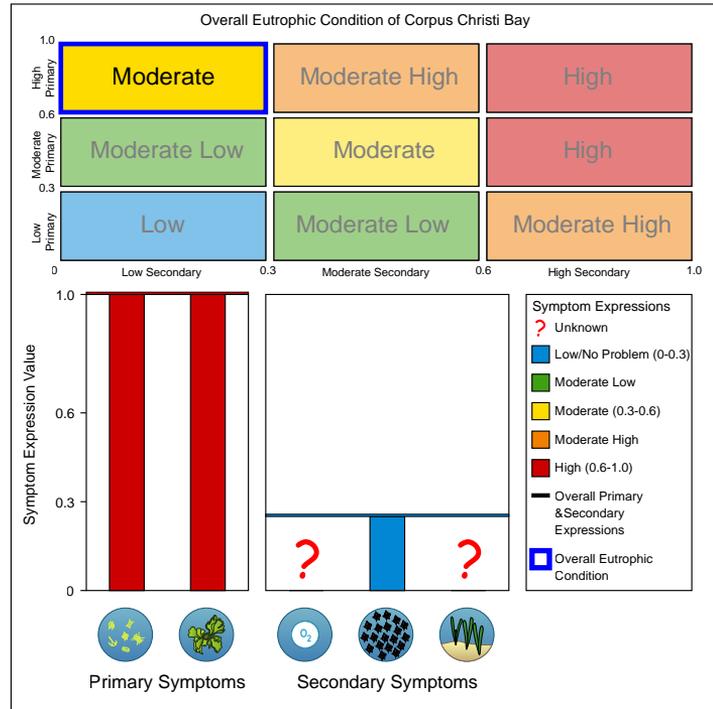
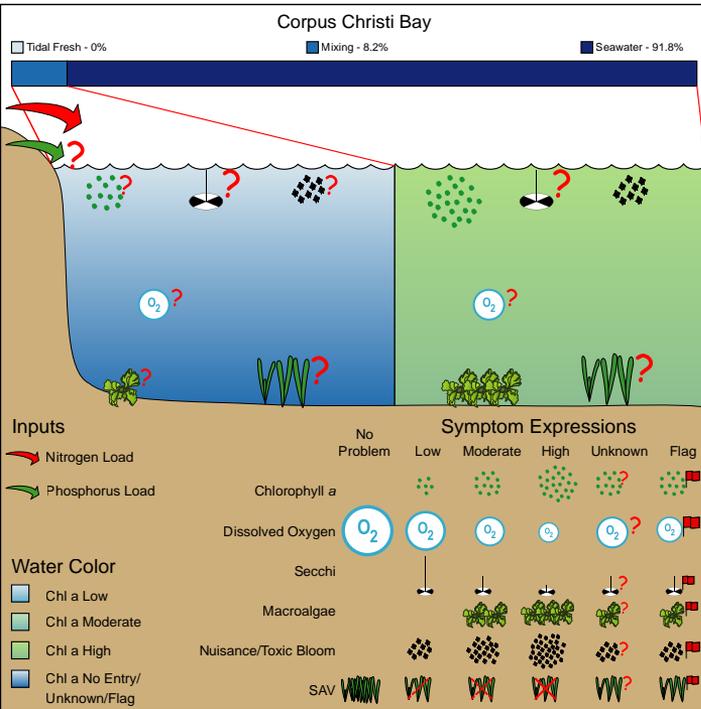


## ASSETS Rating

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



## 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> )