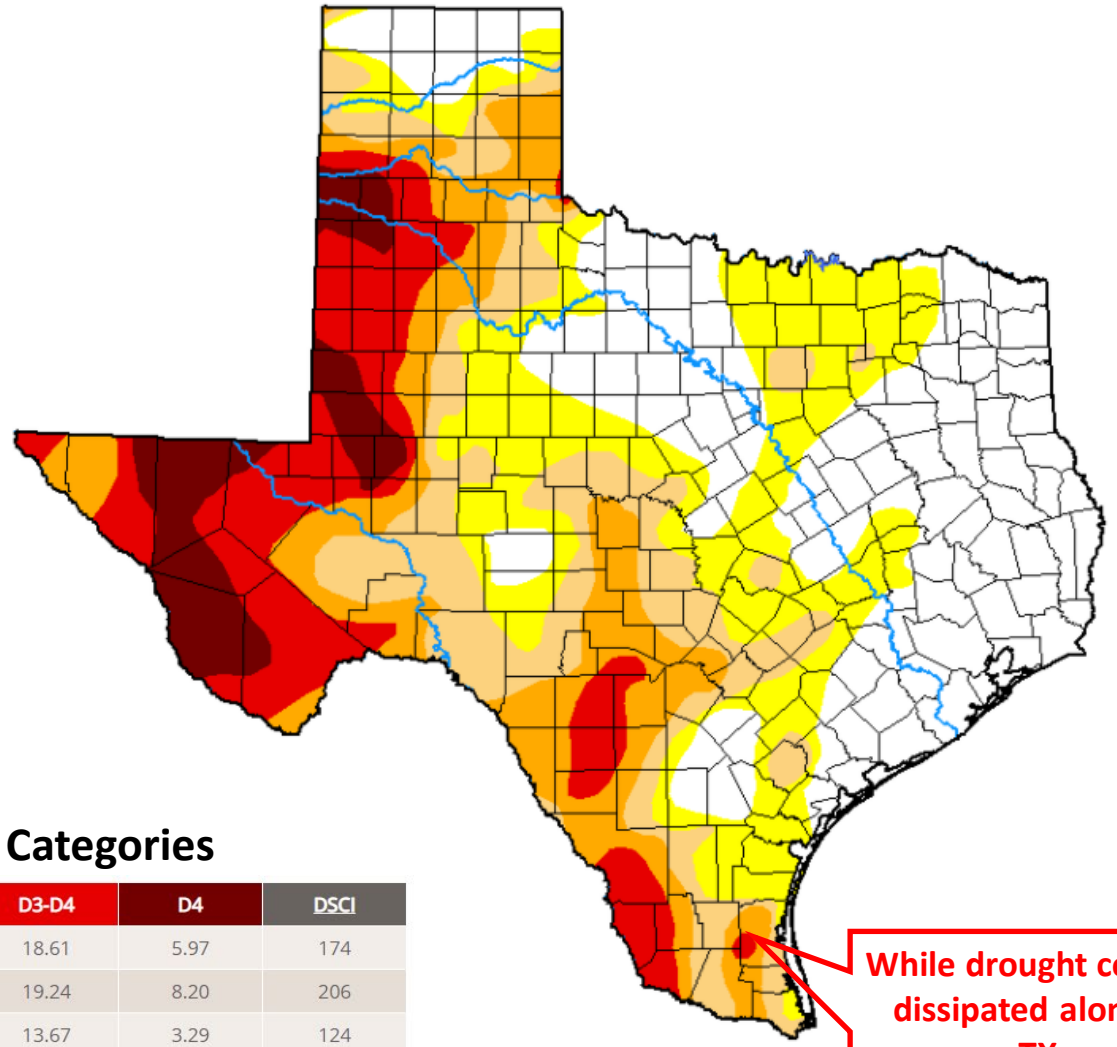
San Antonio Bay - Guadalupe Estuary
Drought Watch
January 14, 2021

San Antonio Bay Partnership

Current Meteorological Drought Conditions in Texas

Map Released: January 14, 2021
Data Valid: January 12, 2021



Intensity:

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Statewide Statistics: Percent Area in Drought Monitor Categories

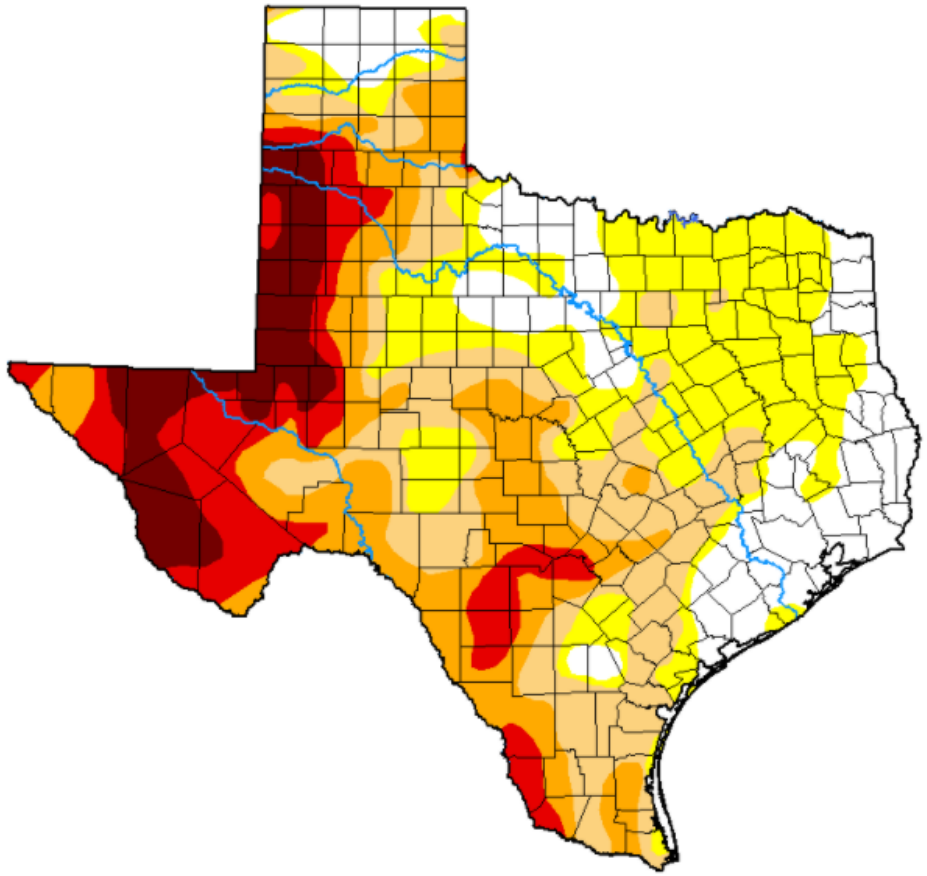
Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2021-01-12	31.29	68.71	48.01	32.25	18.61	5.97	174
Last Week	2021-01-05	17.37	82.63	58.33	37.80	19.24	8.20	206
3 Months Ago	2020-10-13	52.46	47.54	36.22	23.76	13.67	3.29	124
Start of Calendar Year	2020-12-29	8.80	91.20	81.10	50.33	30.09	13.03	266
Start of Water Year	2020-09-29	57.35	42.65	31.96	20.91	12.02	3.29	111
One Year Ago	2020-01-14	44.70	55.30	36.79	10.76	1.29	0.00	104

https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?TX

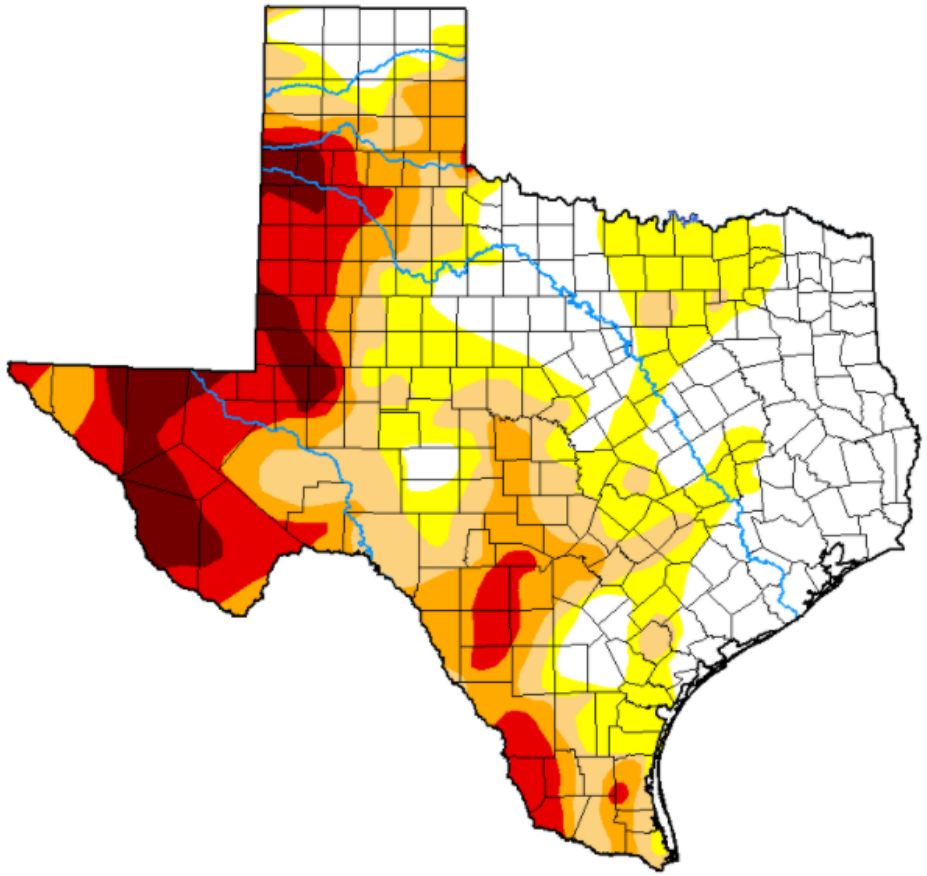
While drought conditions have dissipated along the mid to upper TX coast, drought conditions continue along the lower Tx coast.

Slight Improvement in the Extent and Severity of Drought Conditions Along the Lower Texas Coast and Contributing Watersheds

January 5th 2021 vs January 12th 2021



January 5, 2021



January 12, 2021

Drought Classification

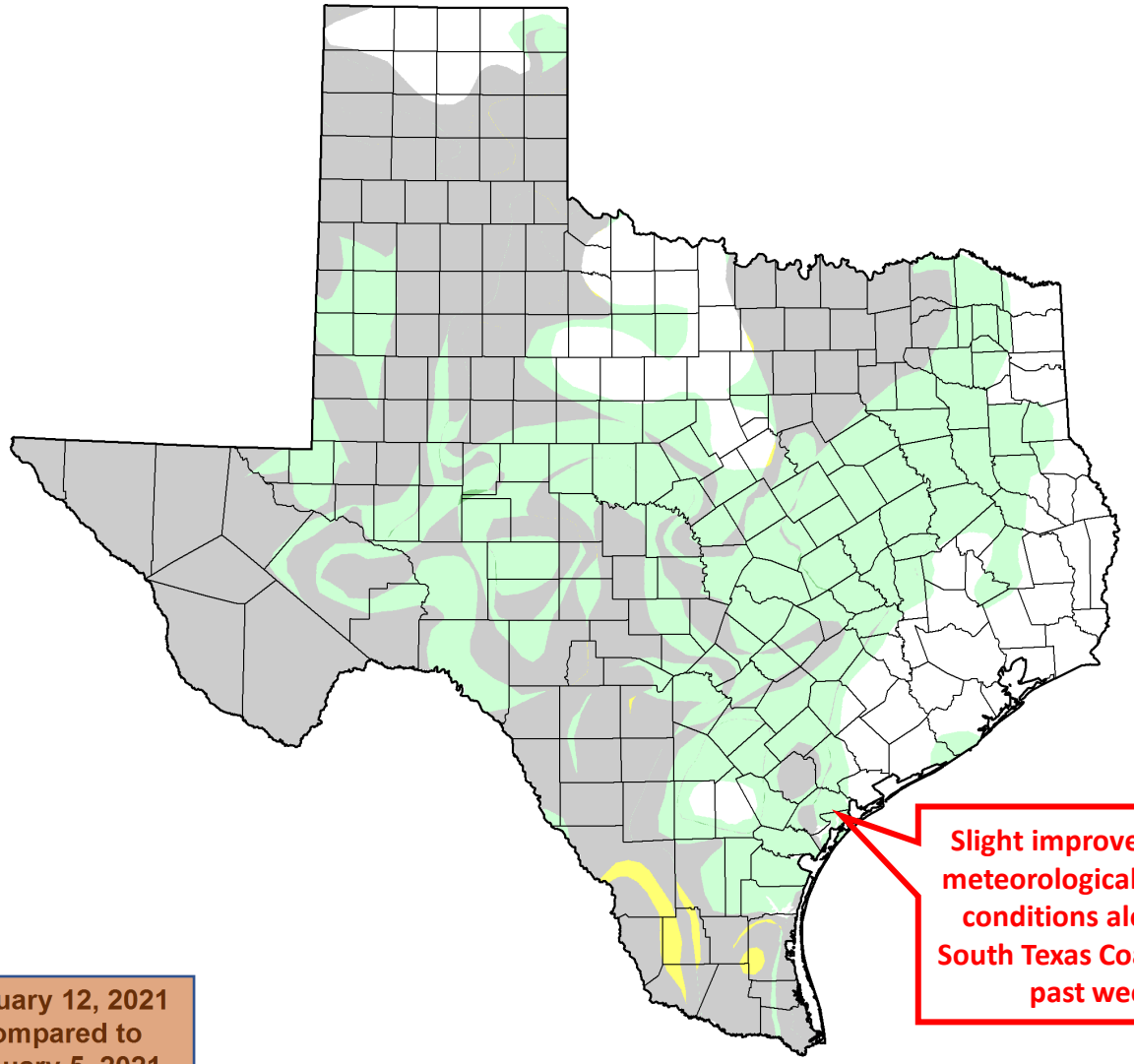
- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

https://droughtmonitor.unl.edu/Maps/CompareTwoWeeks.aspx

For Drought Monitor Time-Series Animation , click here, then choose Area Type: State; Area: Texas

U.S. Drought Monitor Class Change - Texas

1 Week



Slight improvement in meteorological drought conditions along the South Texas Coast in the past week

January 12, 2021 compared to January 5, 2021

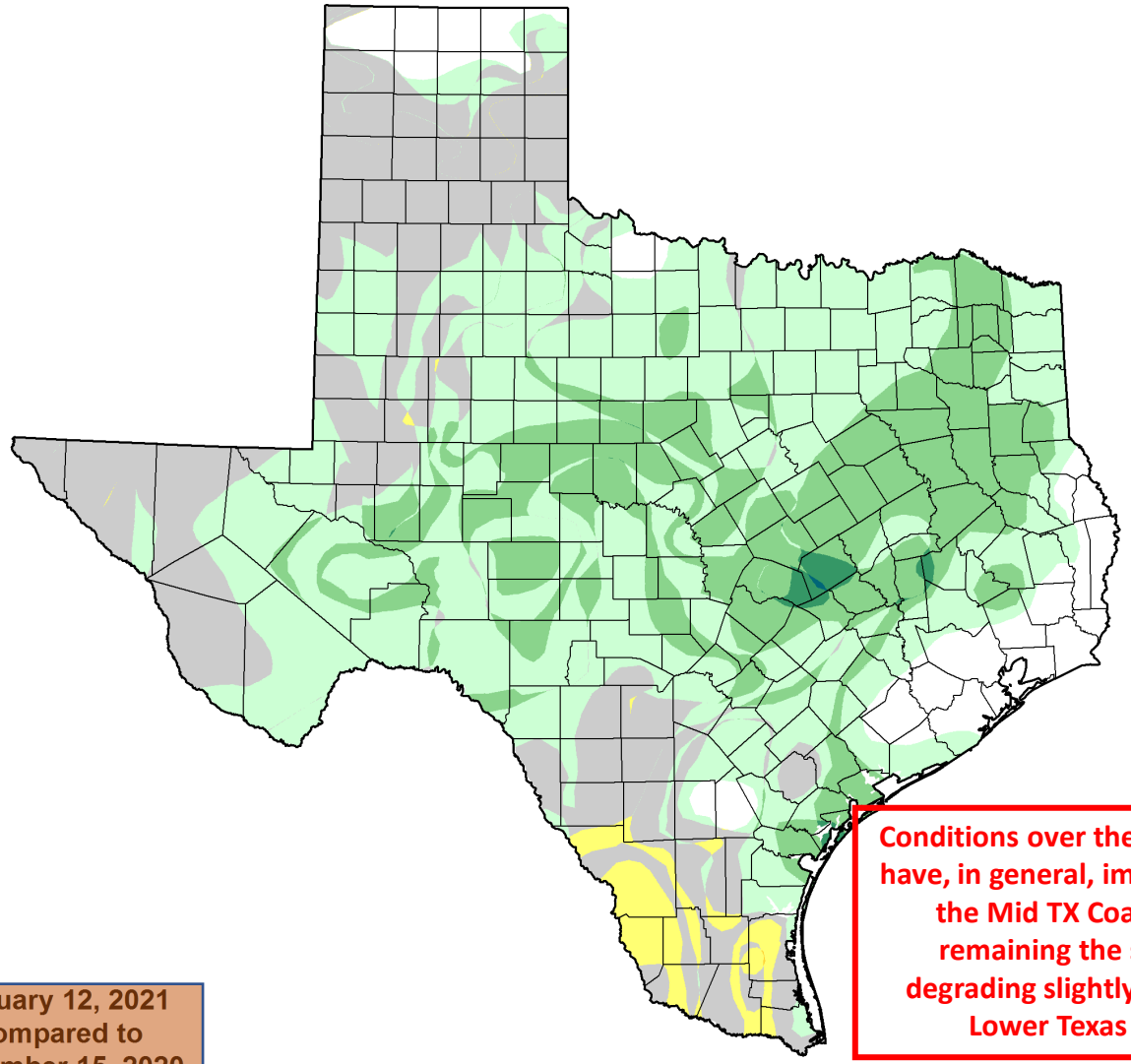
droughtmonitor.unl.edu

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

https://droughtmonitor.unl.edu/Maps/ChangeMaps.aspx

U.S. Drought Monitor Class Change - Texas

1 Month



Conditions over the past month have, in general, improved over the Mid TX Coast while remaining the same or degrading slightly along the Lower Texas Coast

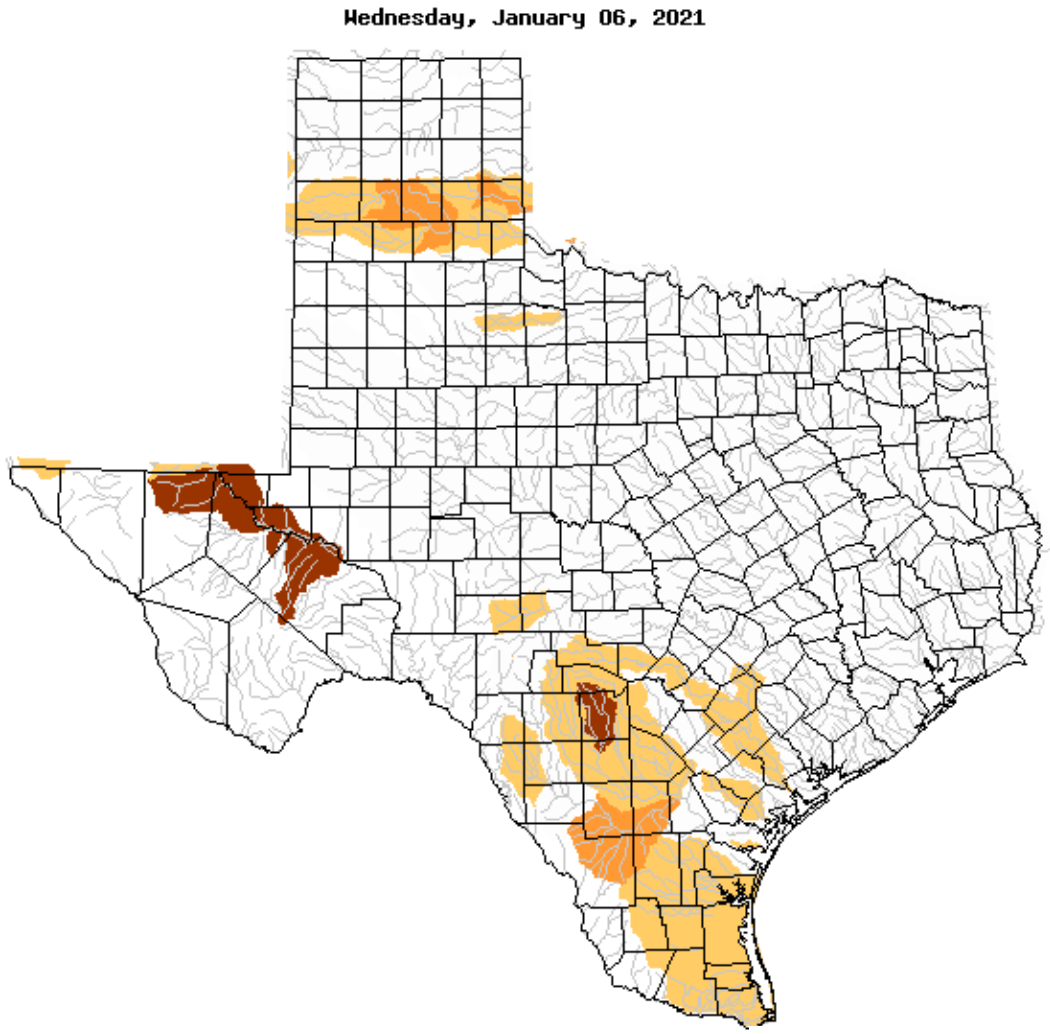
January 12, 2021 compared to December 15, 2020

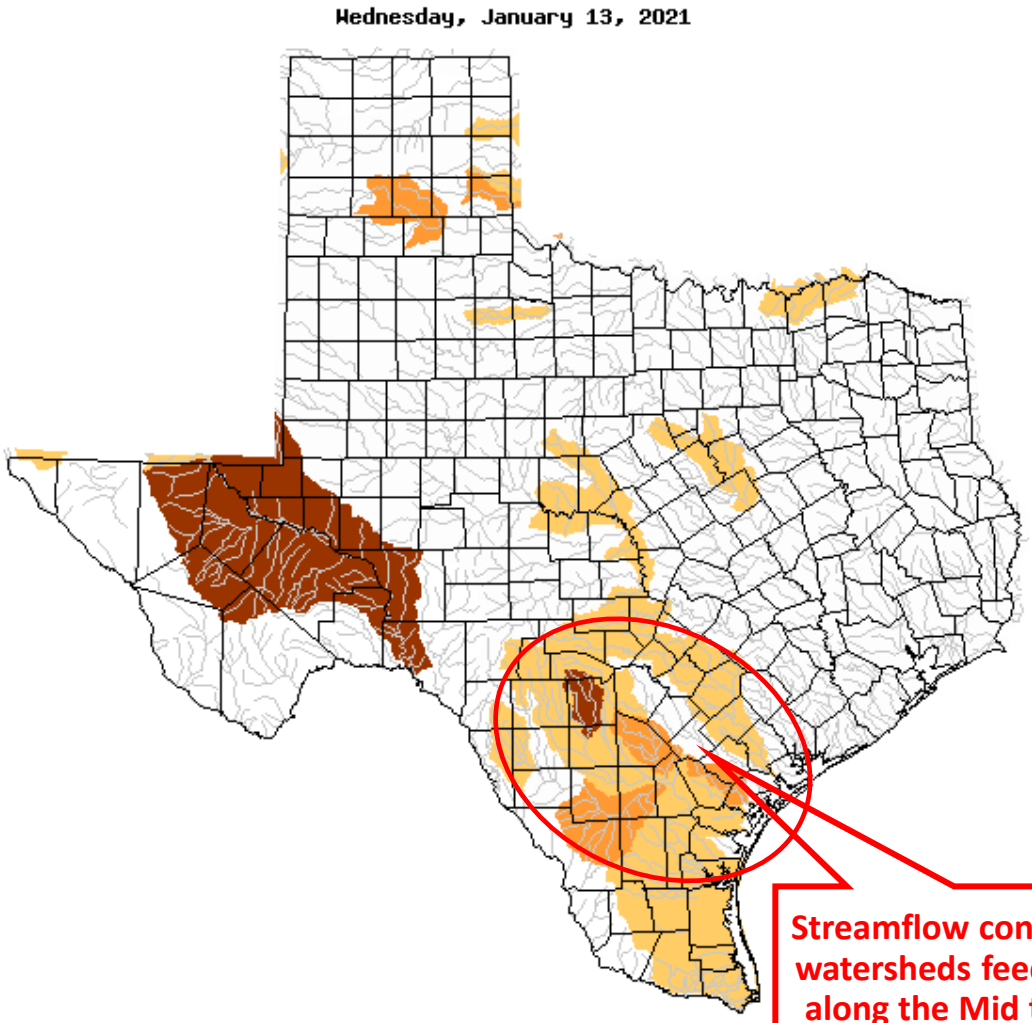
droughtmonitor.unl.edu

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

https://droughtmonitor.unl.edu/Maps/ChangeMaps.aspx

Map of below normal 7-day average streamflow compared to historical streamflow for the day of year





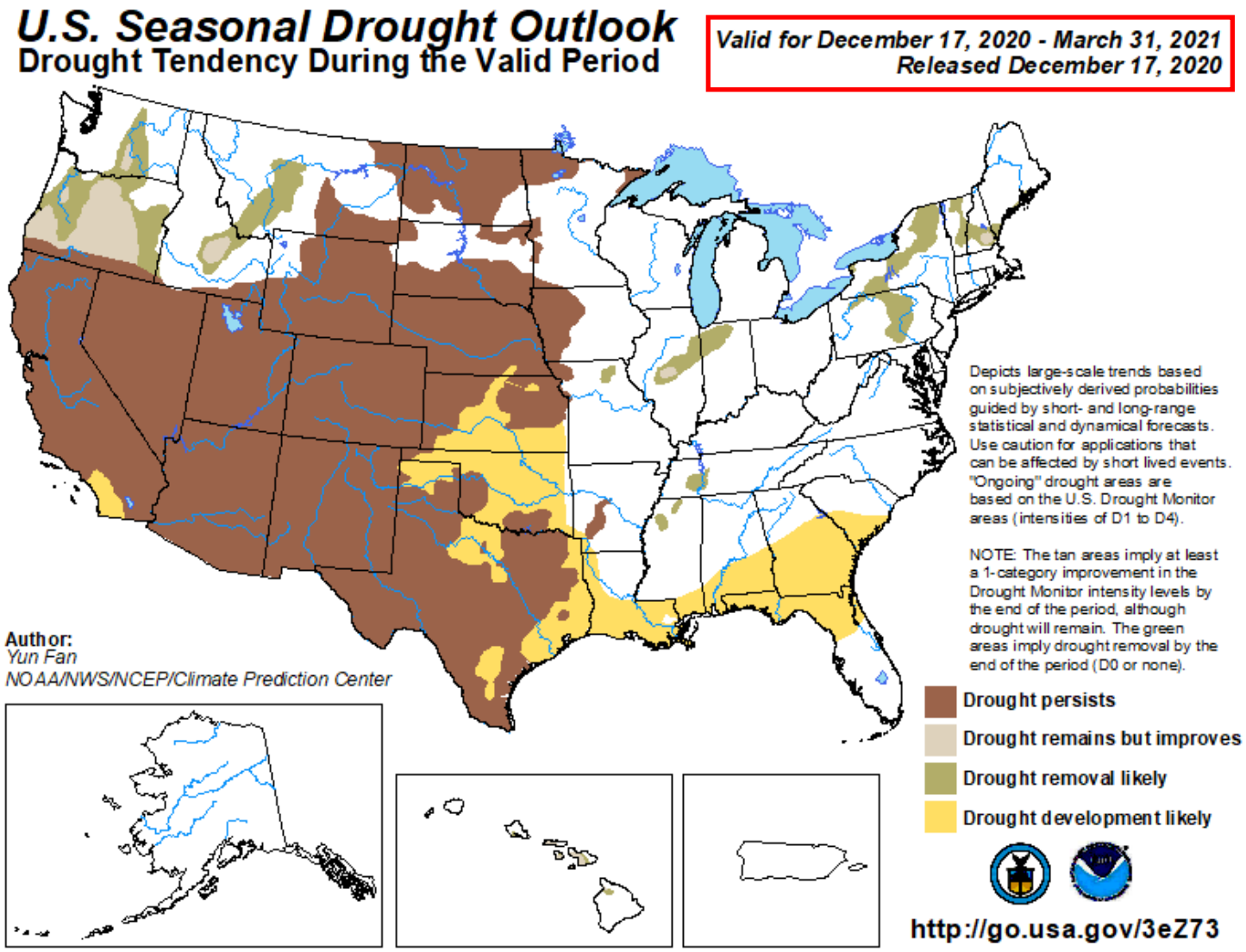
Streamflow conditions in watersheds feeding bays along the Mid to Lower Texas Coast remain below normal

USGS

Explanation - Percentile classes			
Low	<=5	6-9	10-24
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal

https://waterwatch.usgs.gov/index.php?r=tx&id=ww_drought

Drought Outlook Thru March 2021 Indicates Drought Persisting/Developing Throughout Texas



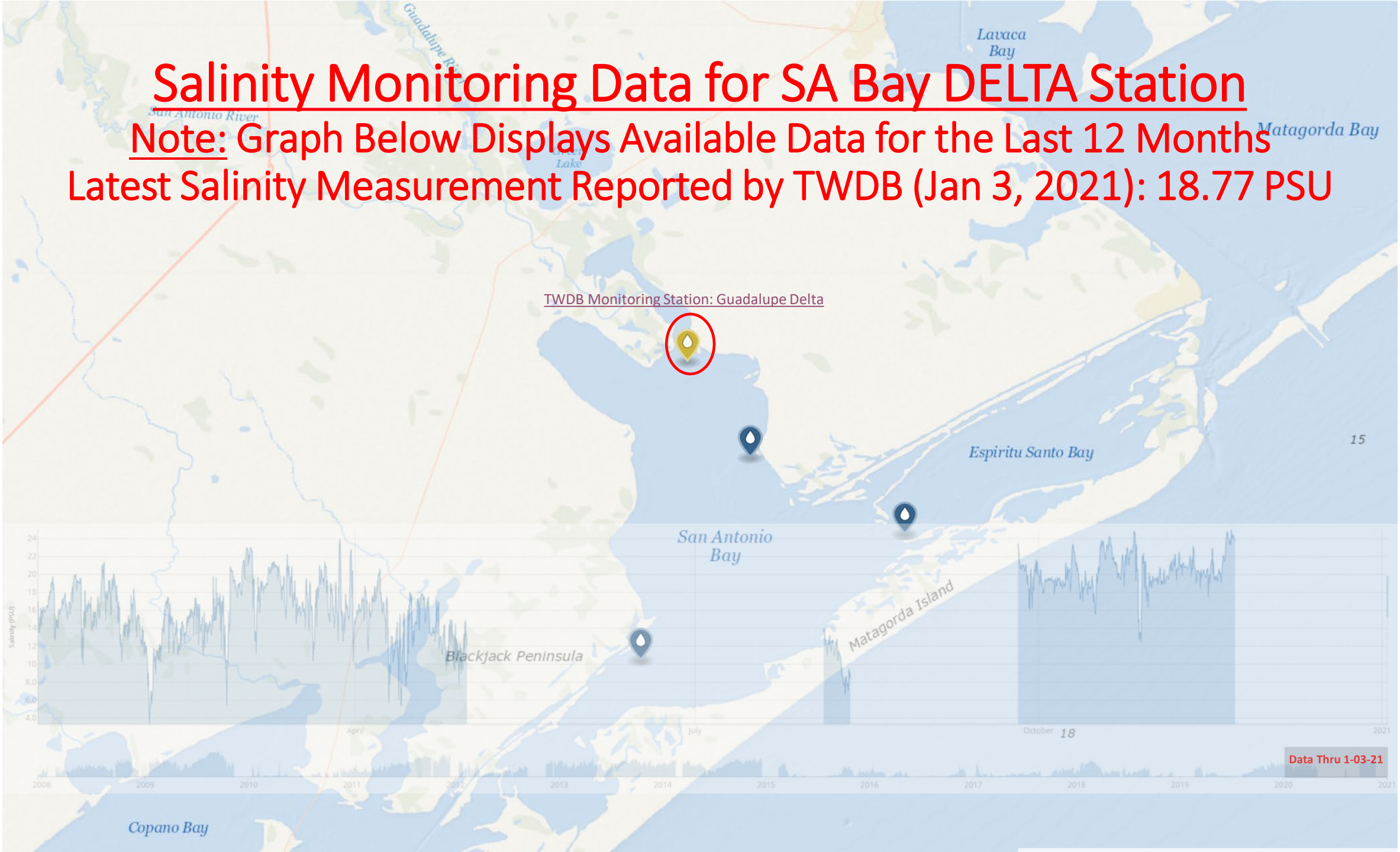
Link: http://go.usa.gov/3eZ73

Note: Next U.S. Seasonal Drought Outlook to be issued Jan. 21, 2021

Salinity Monitoring Data for SA Bay DELTA Station

Note: Graph Below Displays Available Data for the Last 12 Months

Latest Salinity Measurement Reported by TWDB (Jan 3, 2021): 18.77 PSU



Resources For More Information

- National Integrated Drought Information System
- USGS WaterWatch – Drought
- TWDB -- Texas Bays & Estuaries Continuous Water Quality Monitoring Stations
- TCEQ Basin and Bay Stakeholder Committees and Expert Science Teams
  - Colorado and Lavaca Rivers and Matagorda and Lavaca Bays
  - Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays
  - Nueces River and Corpus Christi and Baffin Bays

Historical Freshwater Inflows for Mid-Texas Estuaries: see following pages

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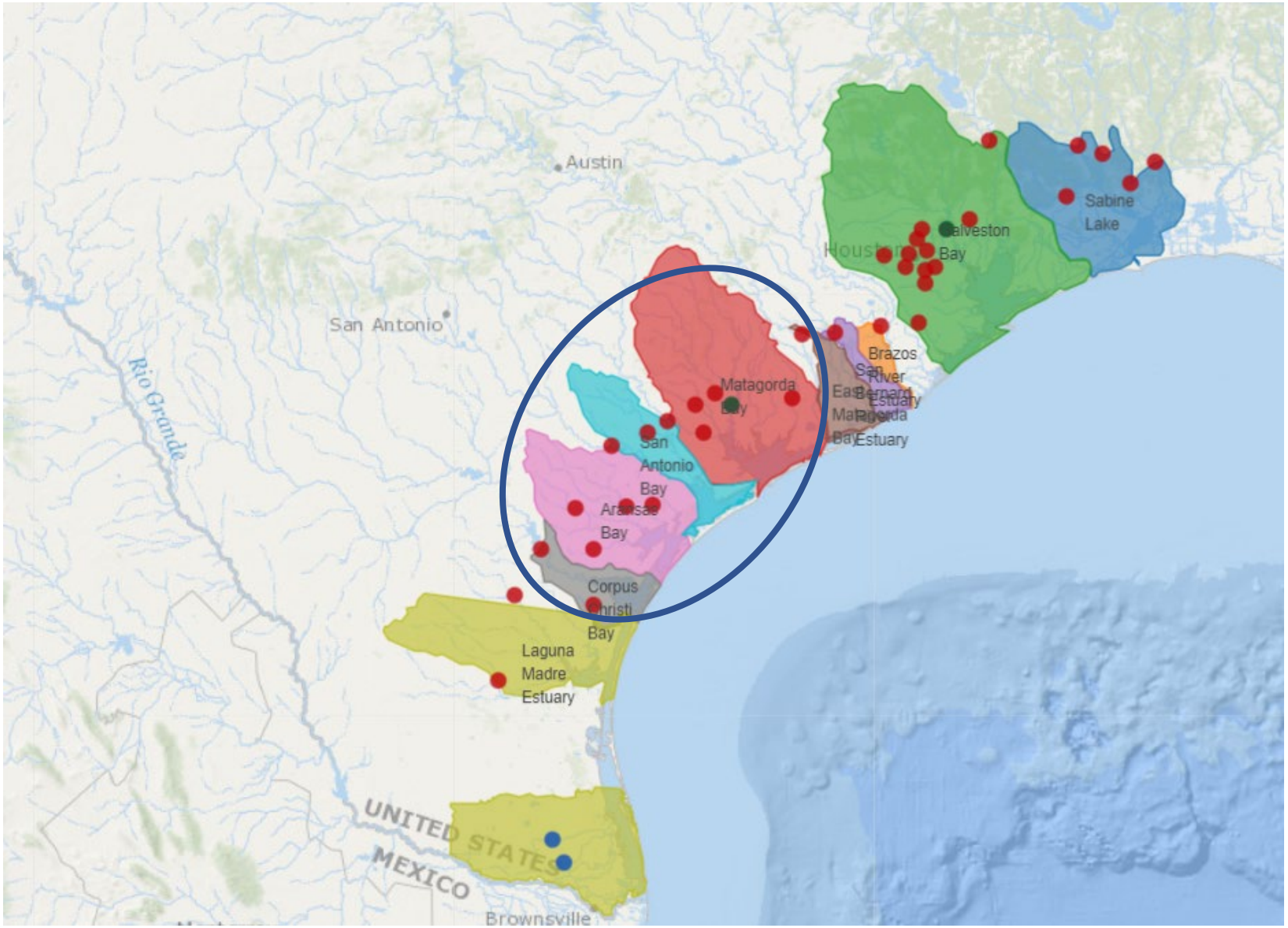
San Antonio Bay Partnership
361-649-1518

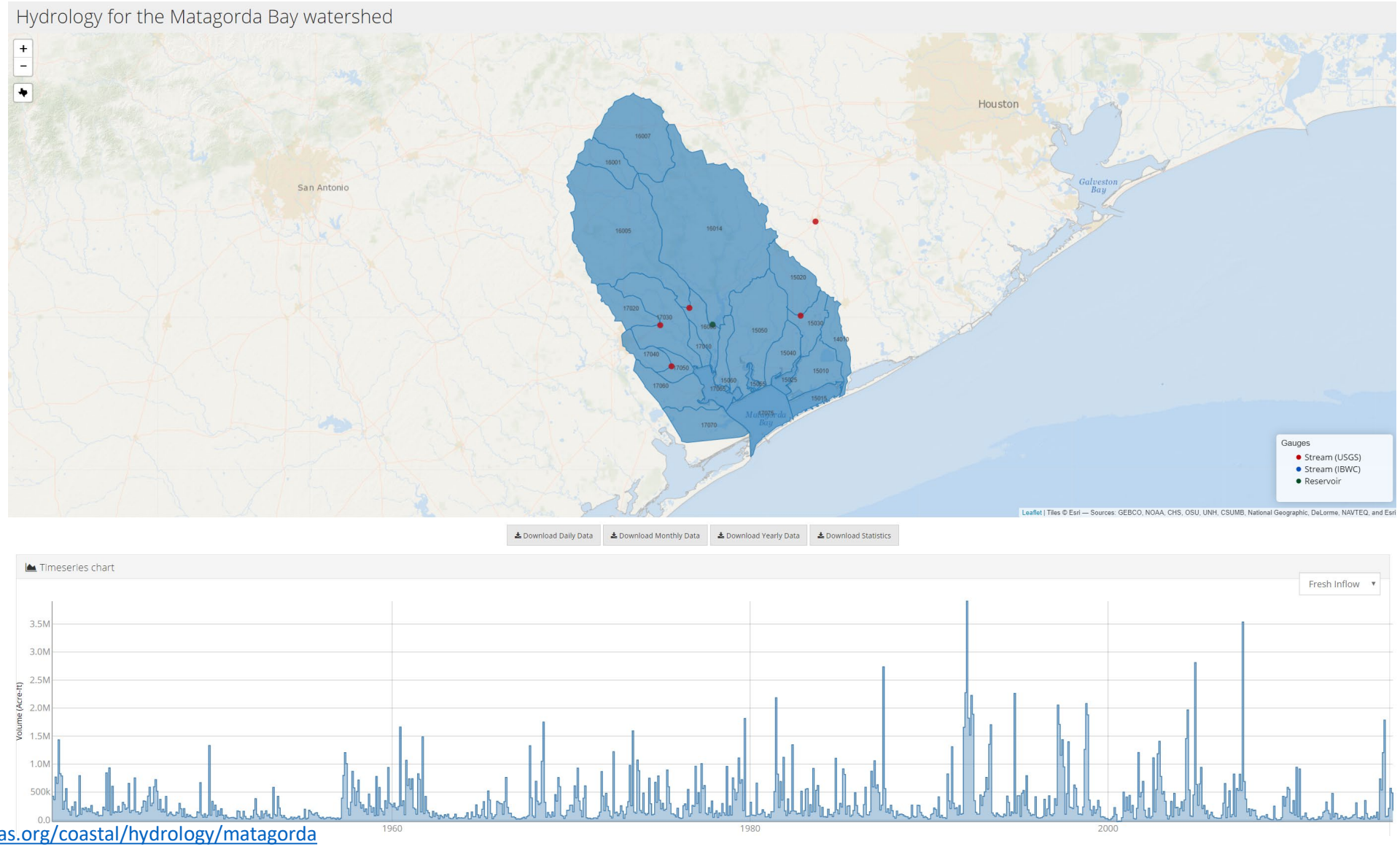
Historical Freshwater Inflows for Mid-Texas Estuaries:



https://waterdatafortexas.org/coastal/hydrology

Historical Freshwater Inflows for Mid-Texas Estuaries:

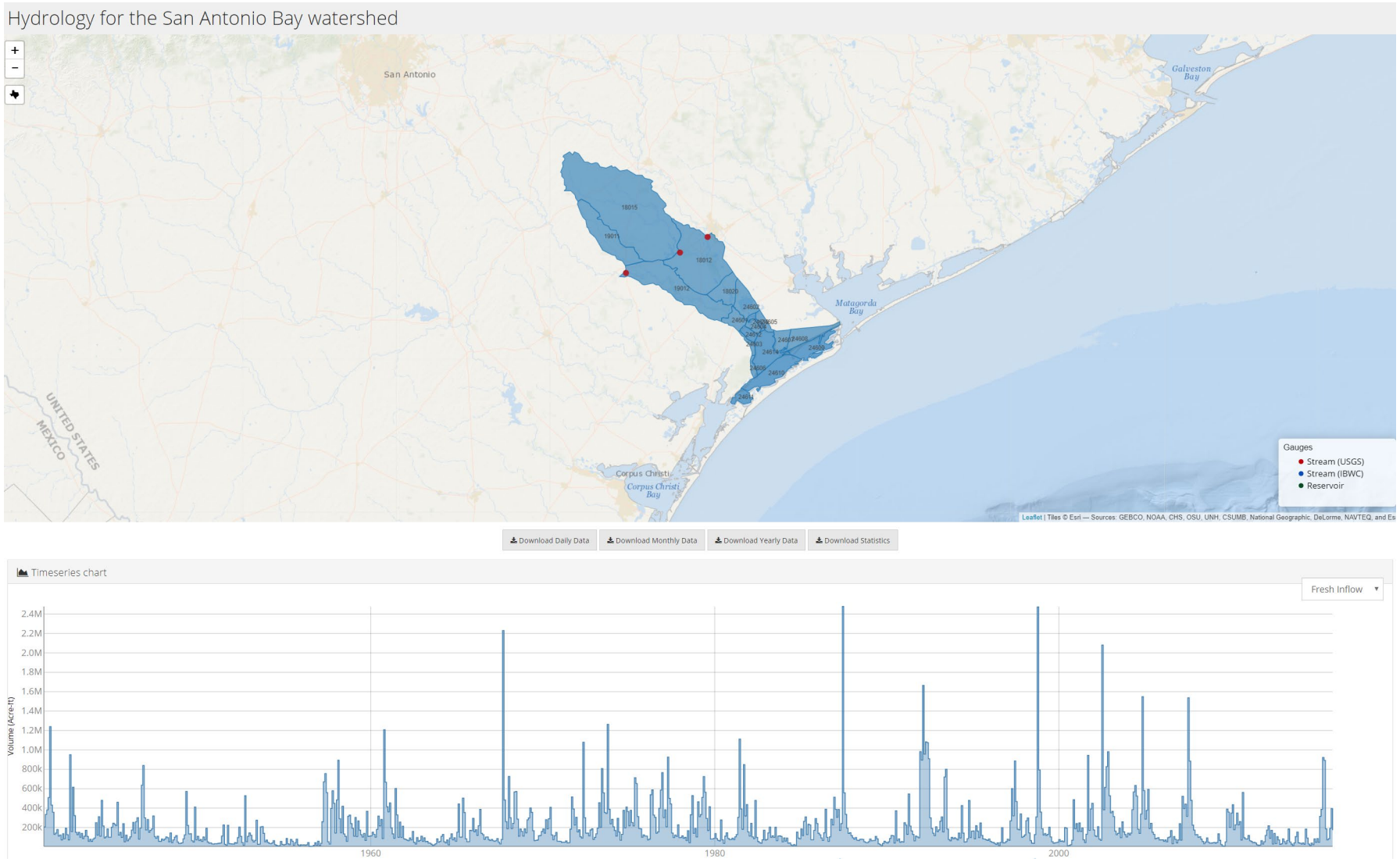
Matagorda Bay System



https://waterdatafortexas.org/coastal/hydrology/matagorda

Historical Freshwater Inflows for Mid-Texas Estuaries:

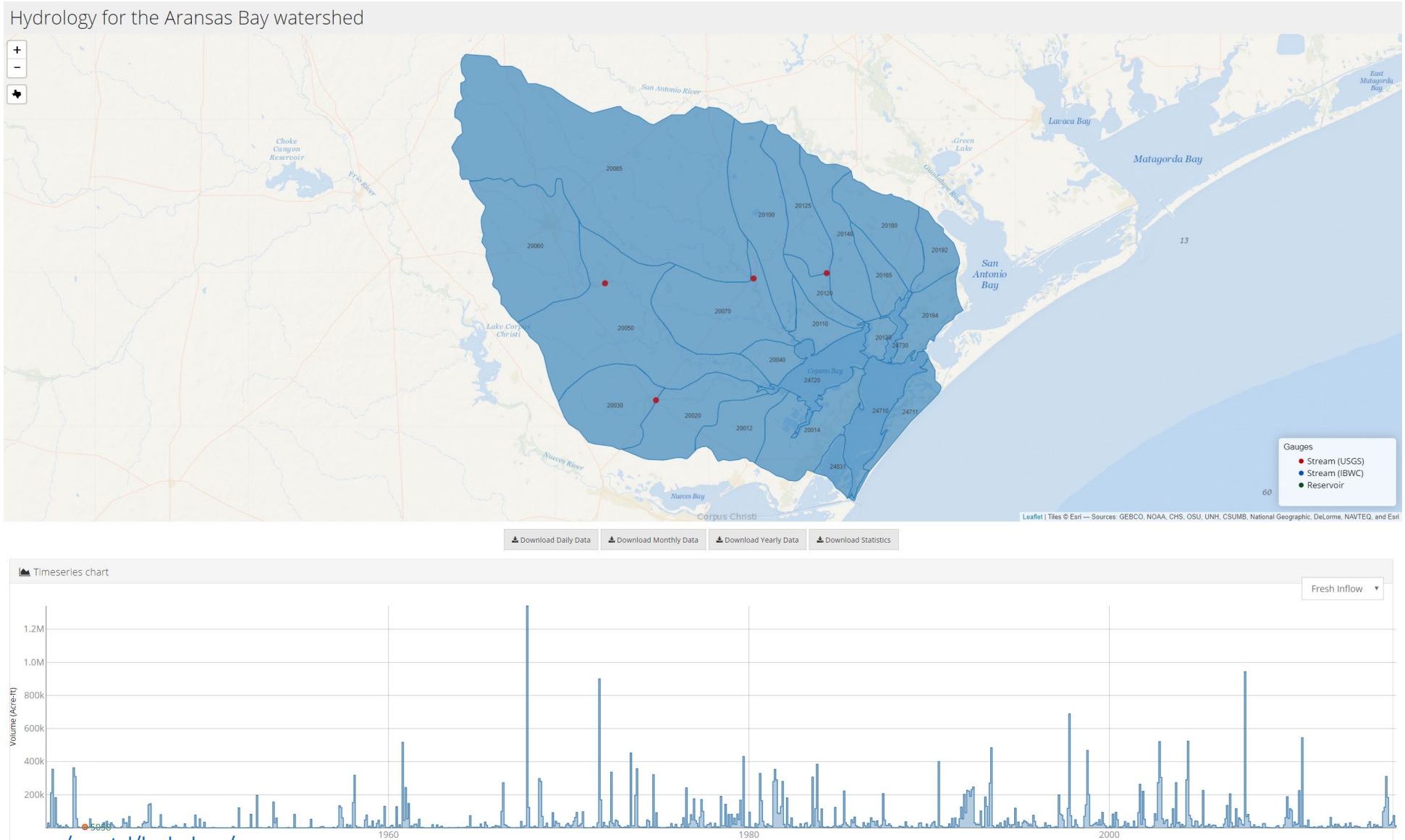
San Antonio Bay – Guadalupe Estuary



https://waterdatafortexas.org/coastal/hydrology/san_antonio

Historical Freshwater Inflows for Mid-Texas Estuaries:

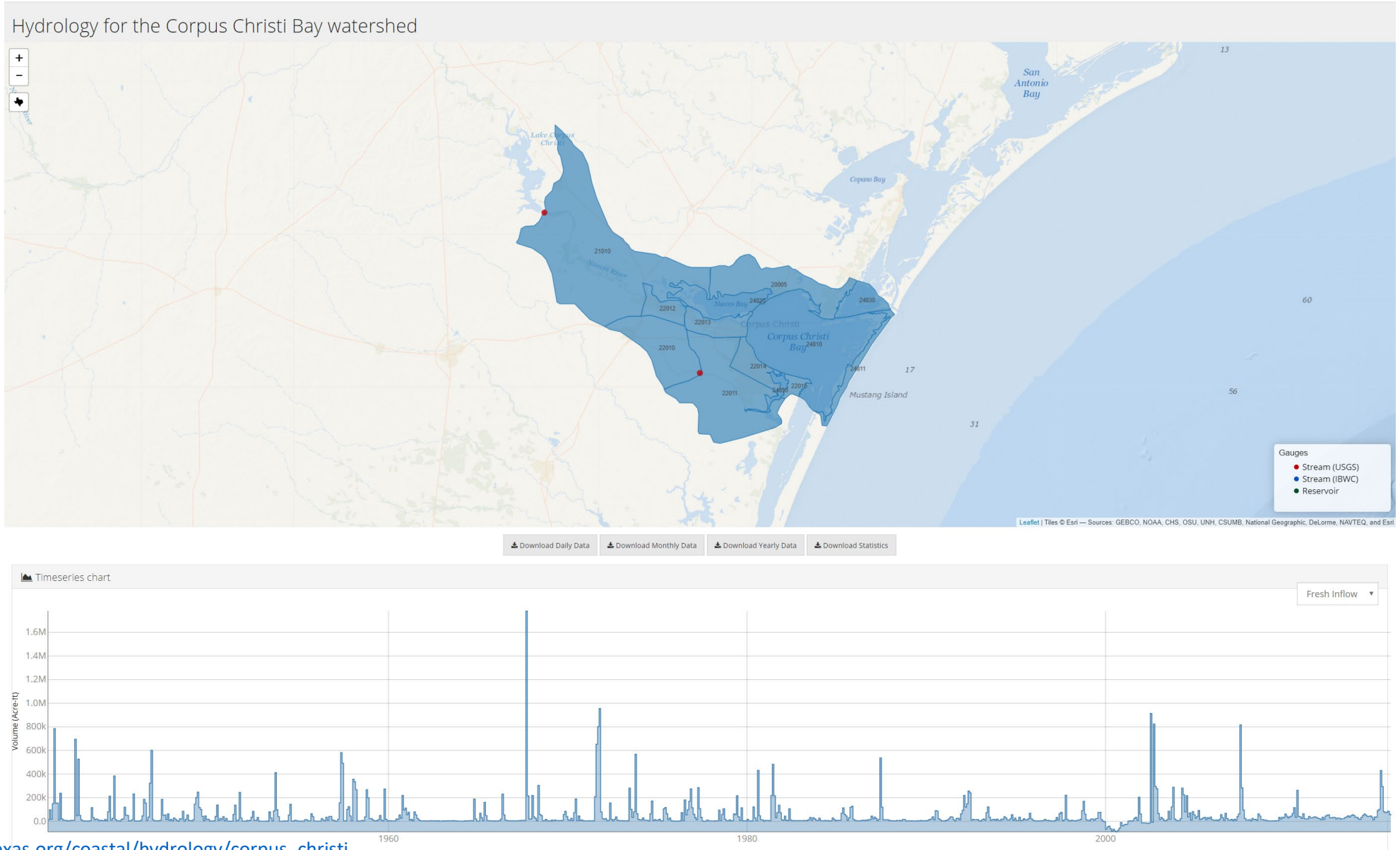
Aransas Bay System



https://waterdatafortexas.org/coastal/hydrology/aransas

Historical Freshwater Inflows for Mid-Texas Estuaries:

Corpus Christi Bay – Nueces Estuary



https://waterdatafortexas.org/coastal/hydrology/corpus_christi