

San Antonio Bay - Guadalupe Estuary

Drought Watch

February 4, 2021

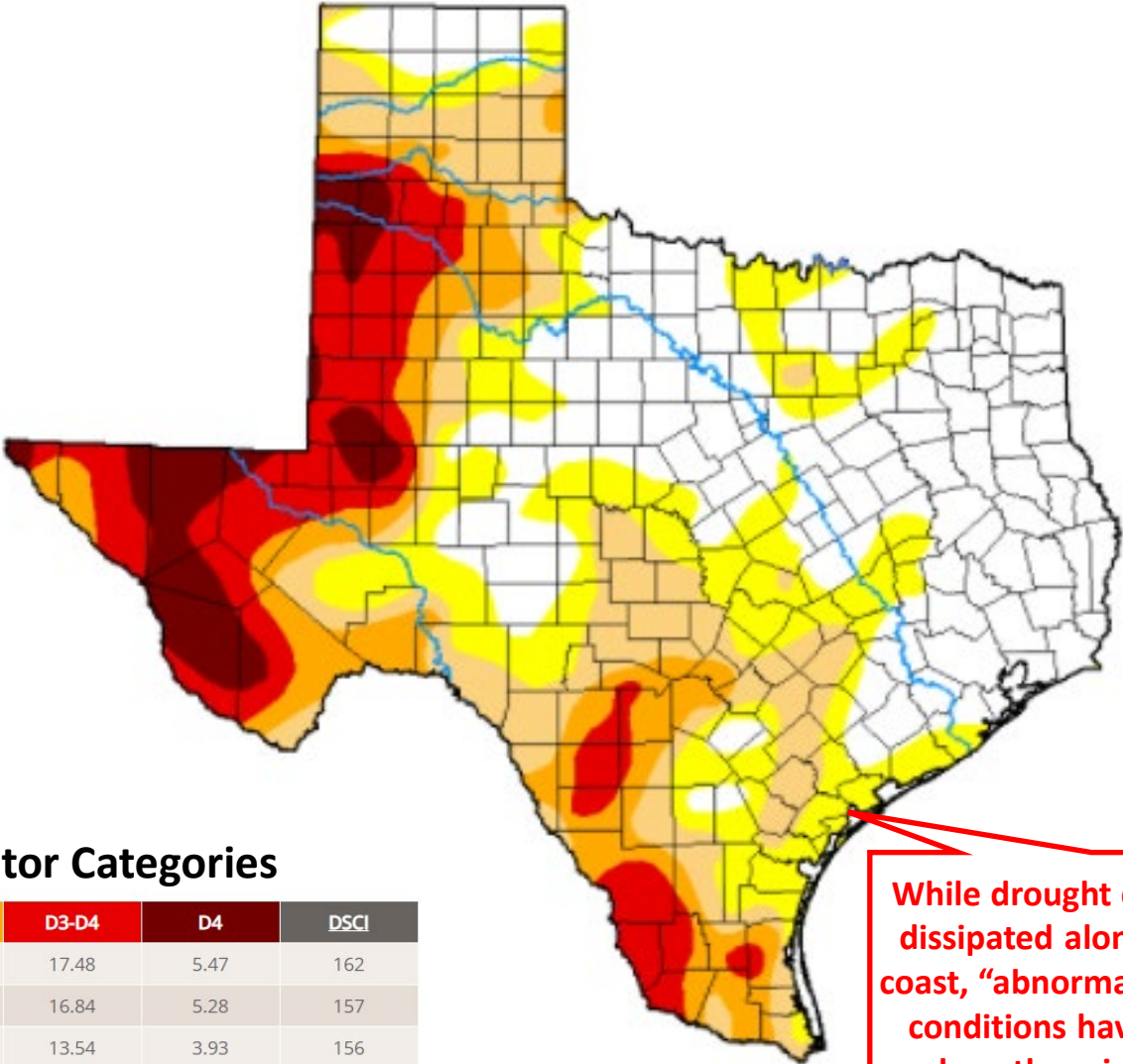


Current Meteorological Drought Conditions in Texas

Map Released: February 4, 2021
Data Valid: February 2, 2021

Intensity:

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



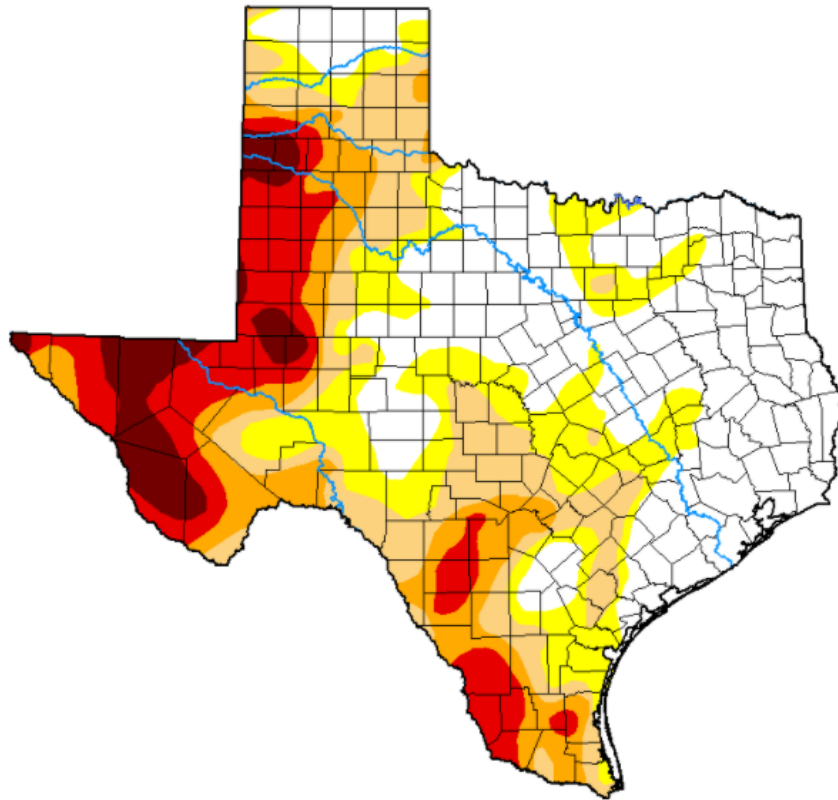
Statewide Statistics: Percent Area in Drought Monitor Categories

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2021-02-02	34.91	65.09	44.90	28.73	17.48	5.47	162
Last Week	2021-01-26	36.97	63.03	44.12	28.03	16.84	5.28	157
3 Months Ago	2020-11-03	32.17	67.83	45.52	25.00	13.54	3.93	156
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	2020-02-04	46.59	53.41	33.07	12.66	0.81	0.00	100

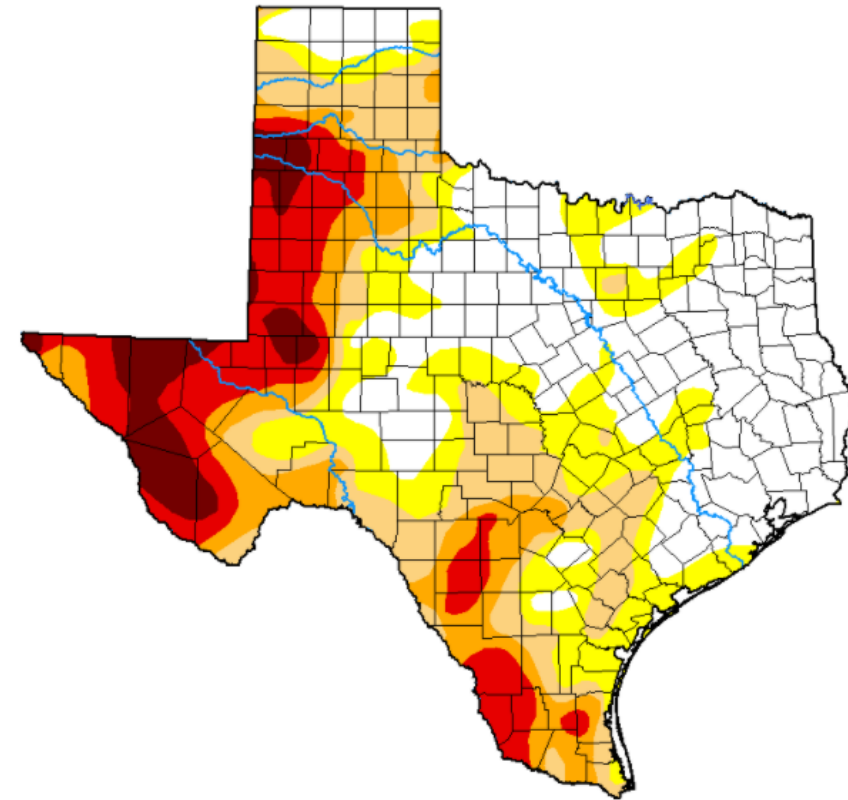
While drought conditions have dissipated along the upper TX coast, “abnormally dry” drought conditions have re-appeared along the mid TX coast and drought conditions continue along the lower Tx coast.

“Abnormally Dry” Conditions Return Along the Mid-Tx Coast While the Lower Texas Coast and Contributing Watersheds Remain Much the Same

January 26th 2021 vs February 2nd 2021



January 26, 2021



February 2, 2021

Drought Classification

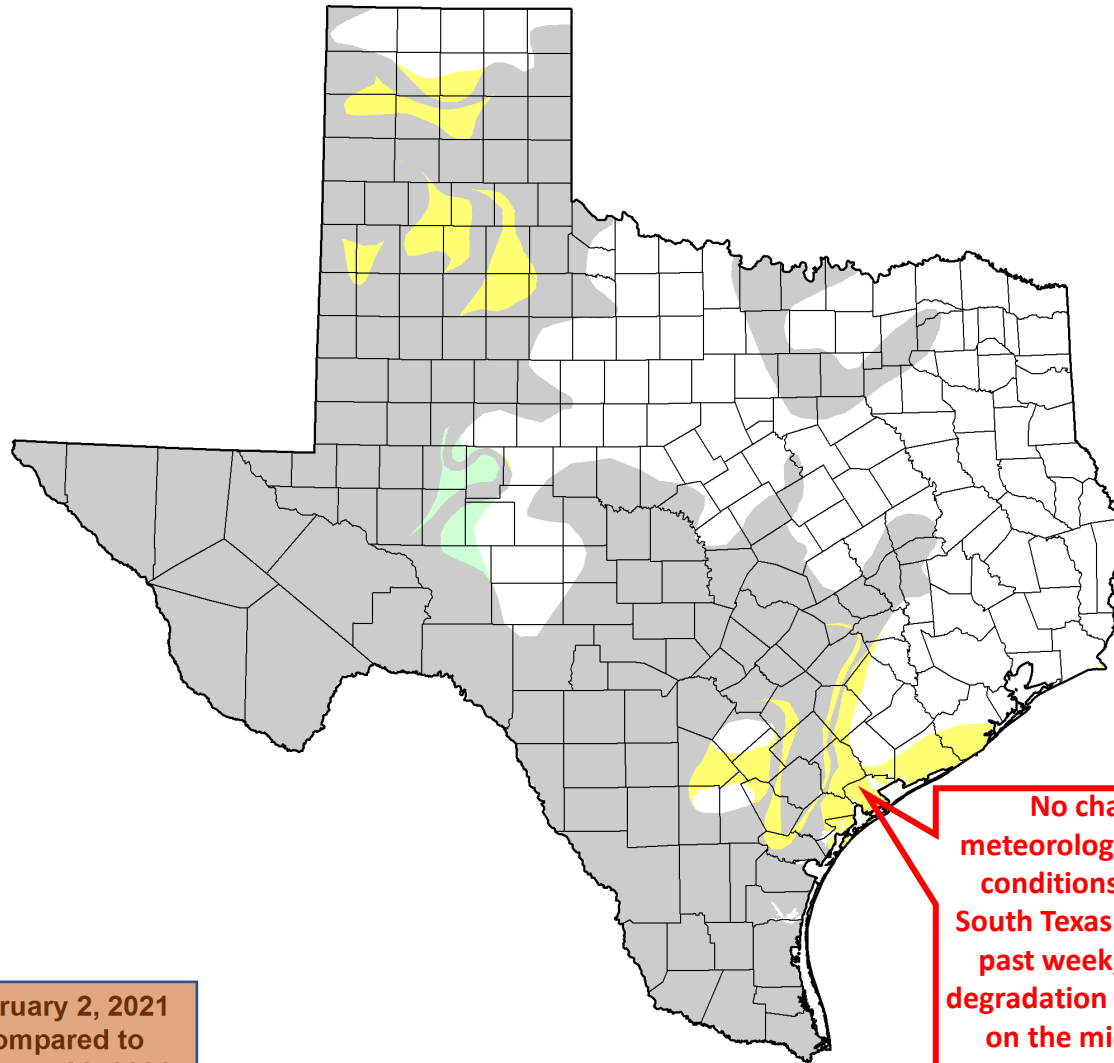


<https://droughtmonitor.unl.edu/Maps/CompareTwoWeeks.aspx>

For Drought Monitor Time-Series Animation , click [here](#), then choose Area Type: State; Area: Texas

U.S. Drought Monitor Class Change - Texas

1 Week



February 2, 2021
compared to
January 26, 2021



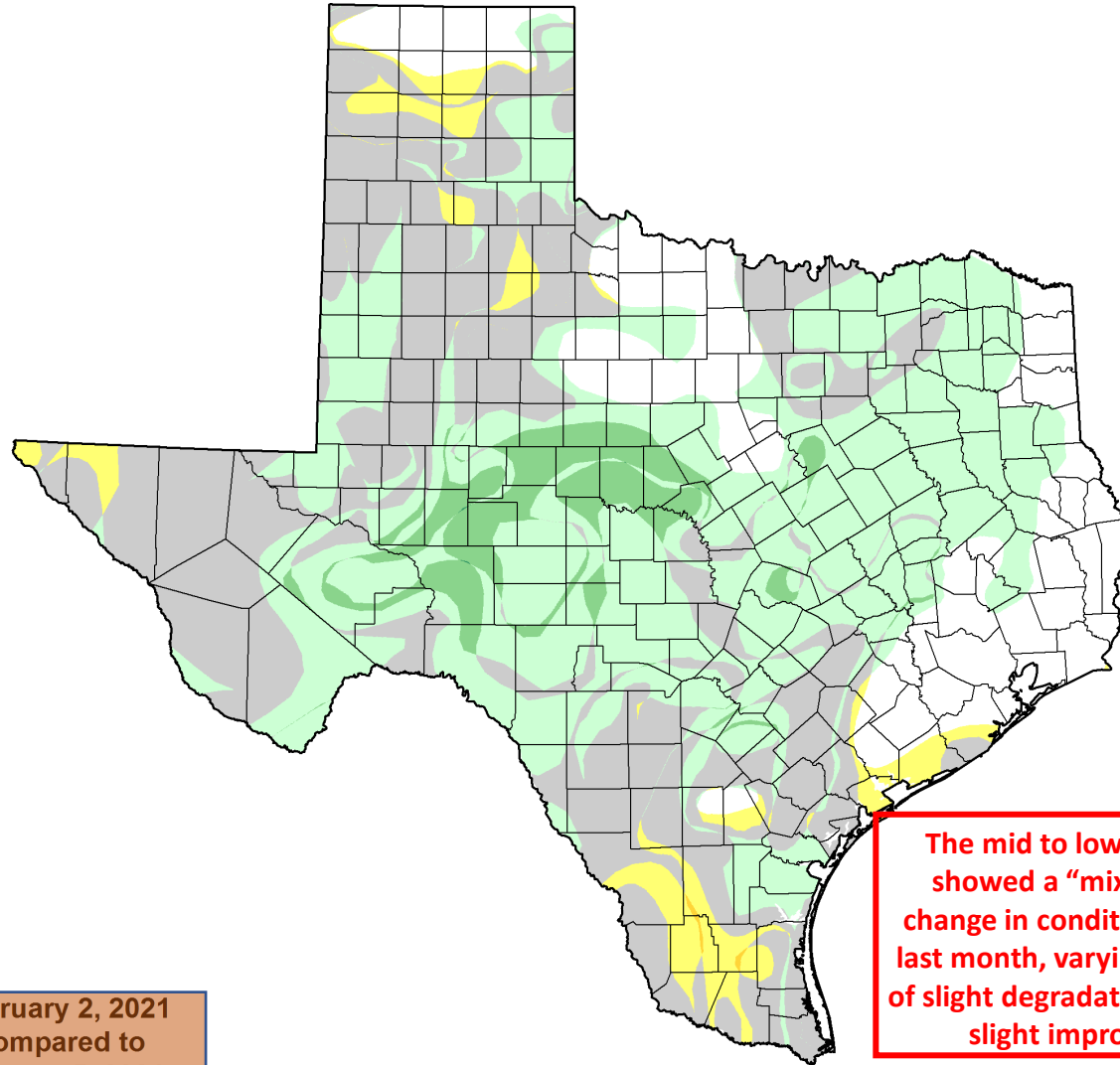
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

droughtmonitor.unl.edu

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

U.S. Drought Monitor Class Change - Texas

1 Month



February 2, 2021
compared to
January 5, 2021

The mid to lower TX Coast
showed a “mixed bag” of
change in conditions over the
last month, varying from areas
of slight degradation to areas of
slight improvement

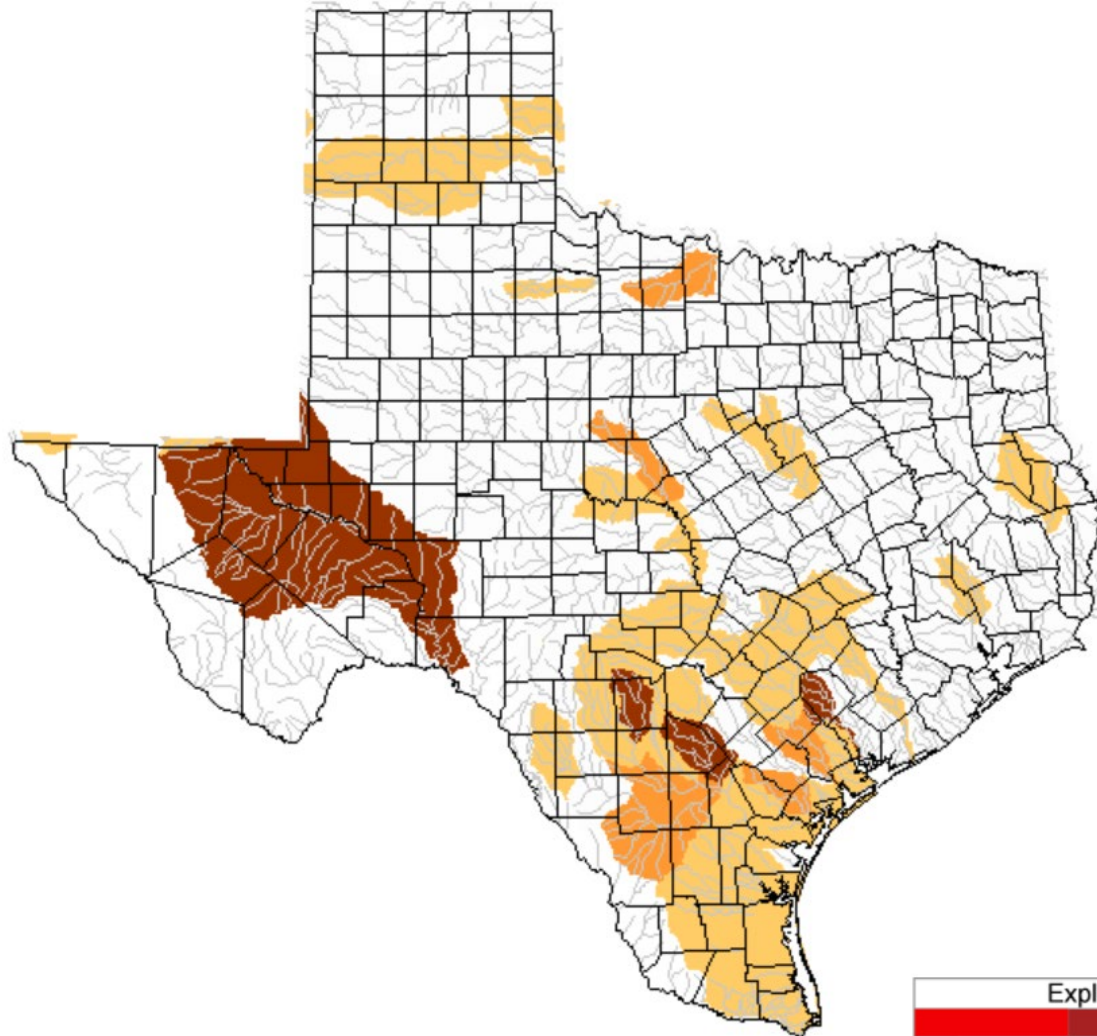


5 Class Degradation
4 Class Degradation
3 Class Degradation
2 Class Degradation
1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement
3 Class Improvement
4 Class Improvement
5 Class Improvement

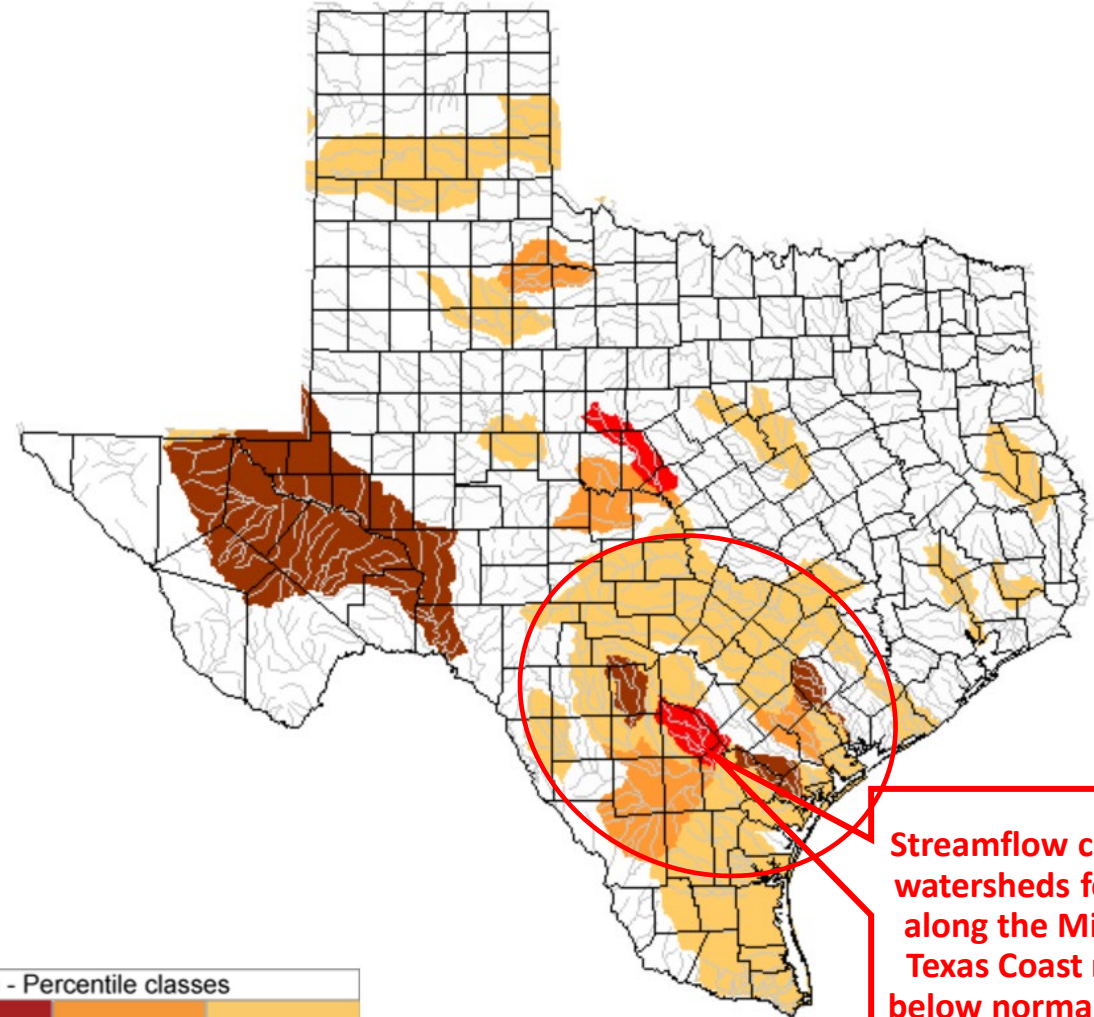
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Map of below normal 7-day average streamflow compared to historical streamflow for the day of year

Wednesday, January 27, 2021



Wednesday, February 03, 2021

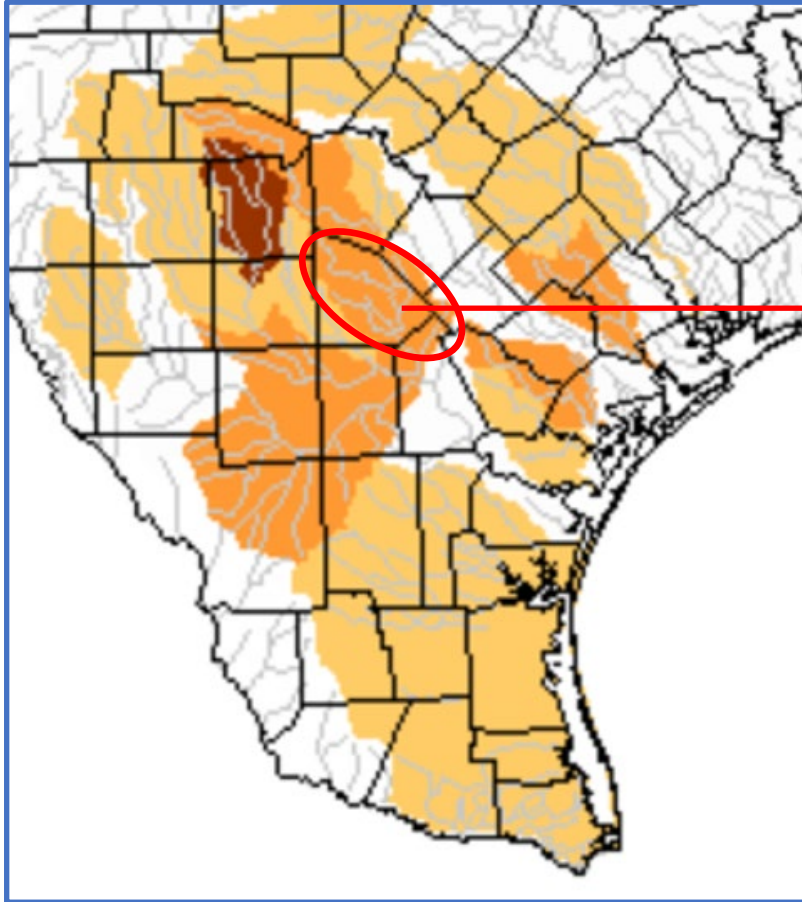


Streamflow conditions in watersheds feeding bays along the Mid to Lower Texas Coast range from below normal to extreme hydrologic drought

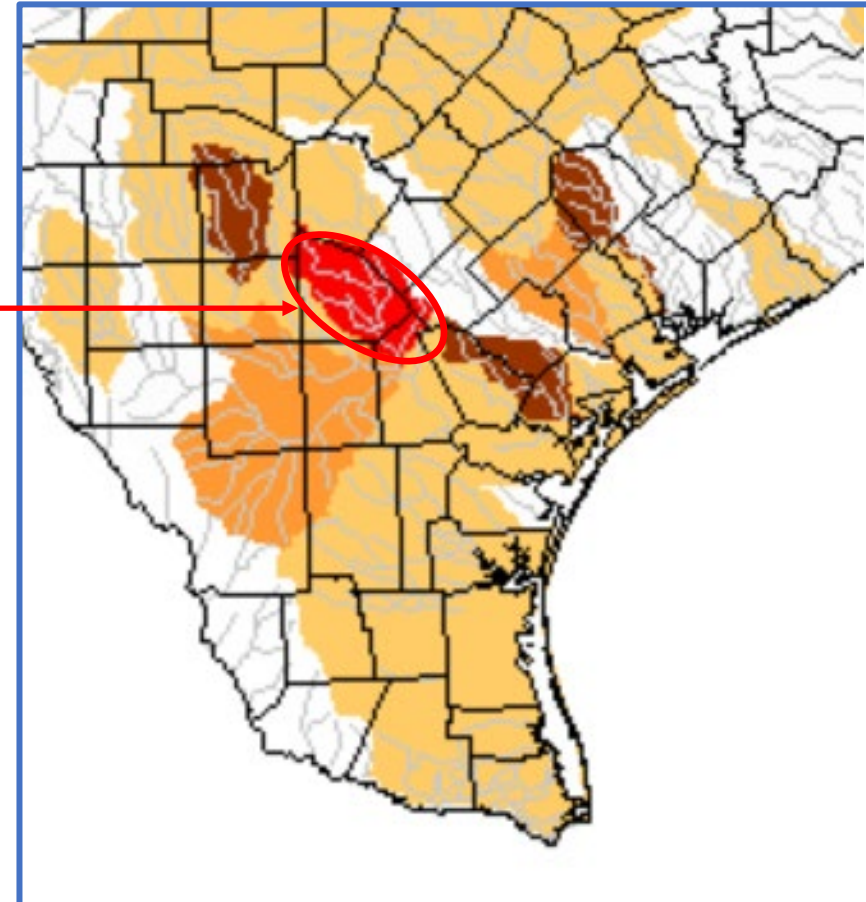
Explanation - Percentile classes			
Low	<=5	6-9	10-24
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal

**Map of below normal 7-day average streamflow
compared to historical streamflow for the day of year:
*Significant Degradation in a South Texas Watershed Over the Past Two Weeks***

Wednesday, January 20, 2021



Wednesday, February 3, 2021

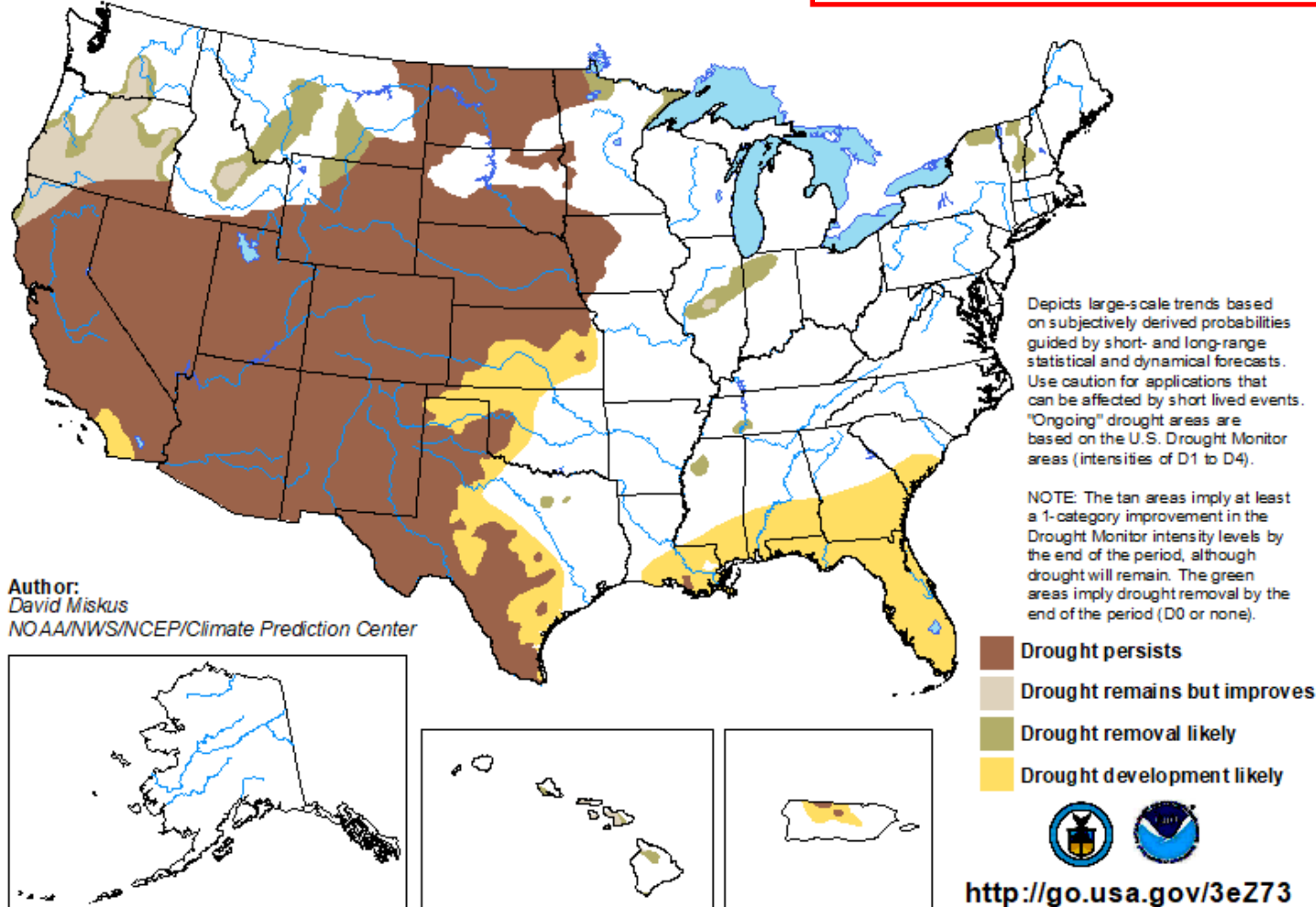


Explanation - Percentile classes			
Low	<=5	6-9	10-24
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal

Drought Outlook Thru April 2021 Indicates Drought Persisting/Developing Throughout Central and West Texas

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for January 21 - April 30, 2021
Released January 21

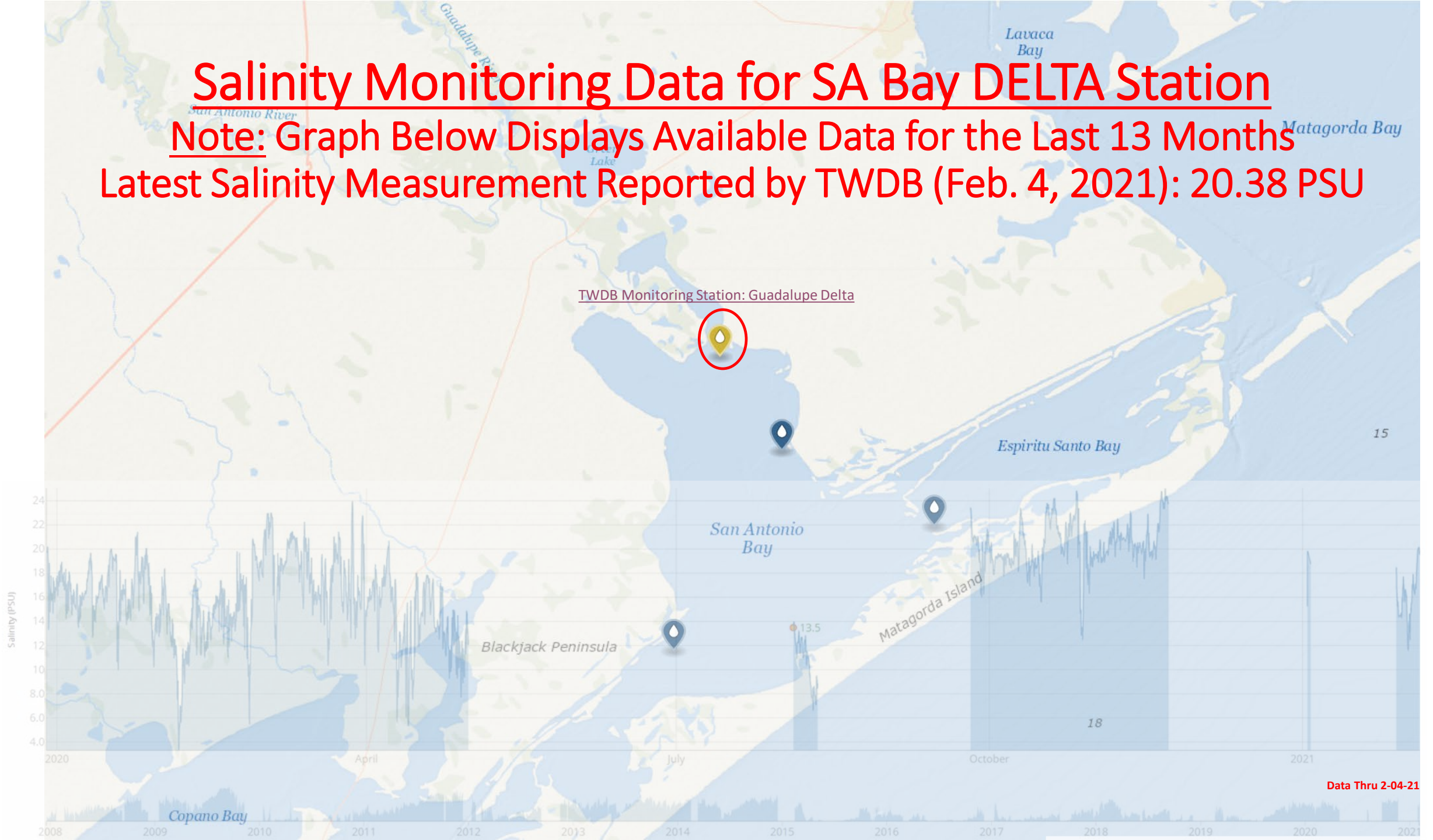


Note: Next U.S. Seasonal Drought Outlook to be issued Feb. 18, 2021

Salinity Monitoring Data for SA Bay DELTA Station

Note: Graph Below Displays Available Data for the Last 13 Months

Latest Salinity Measurement Reported by TWDB (Feb. 4, 2021): 20.38 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



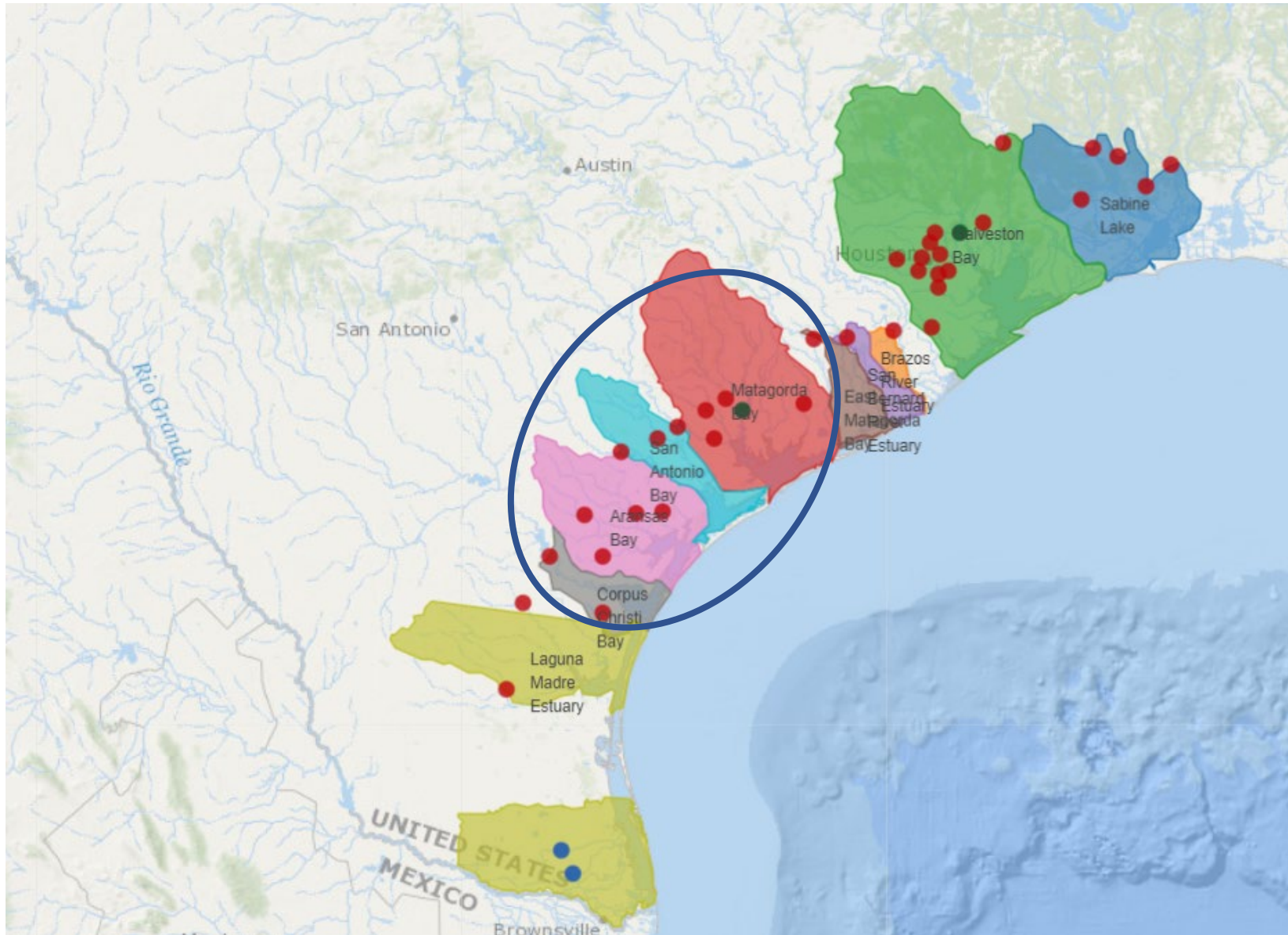
[James A. Dodson](#)

Program Facilitator/Project Manager

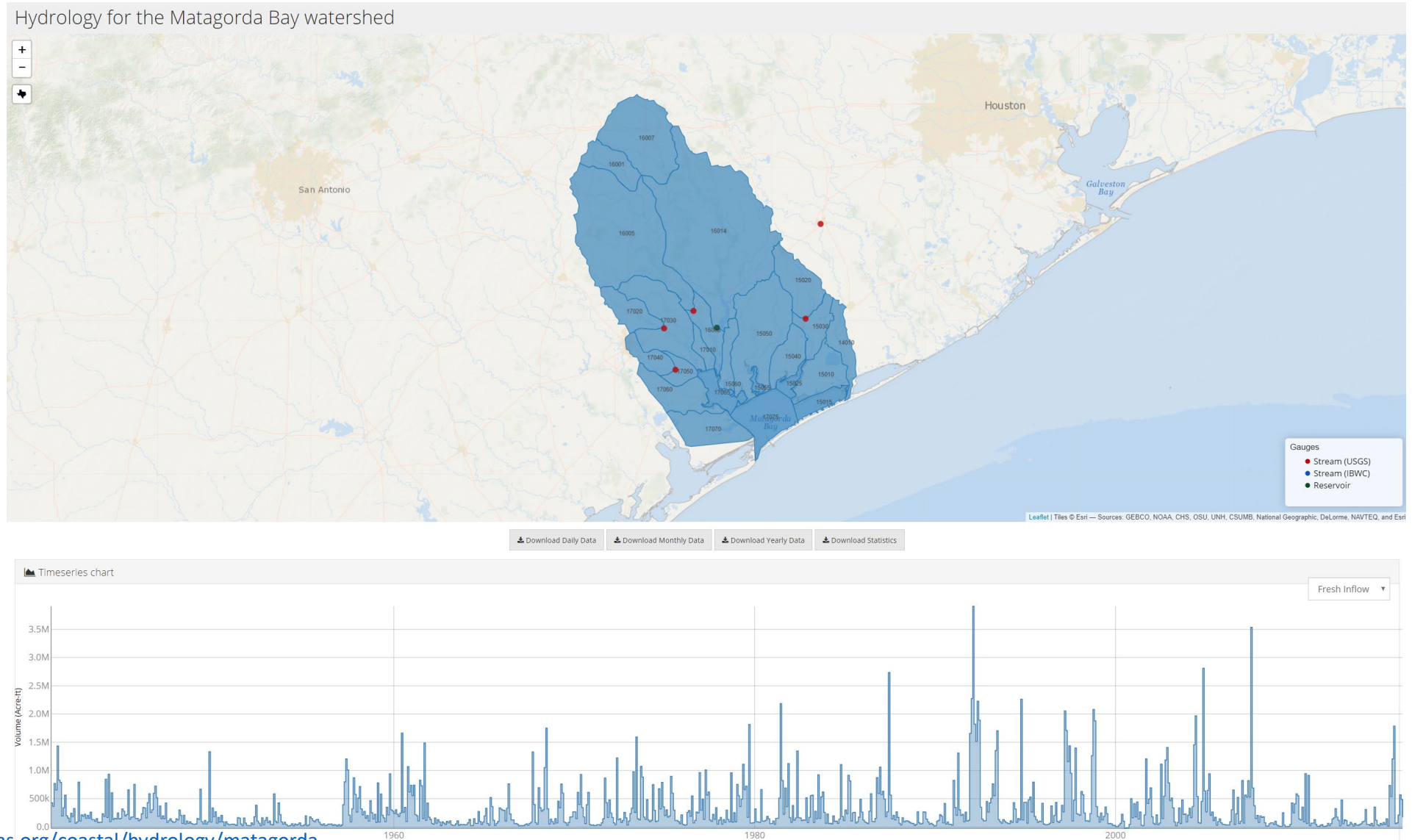
[San Antonio Bay Partnership](#)

361-649-1518

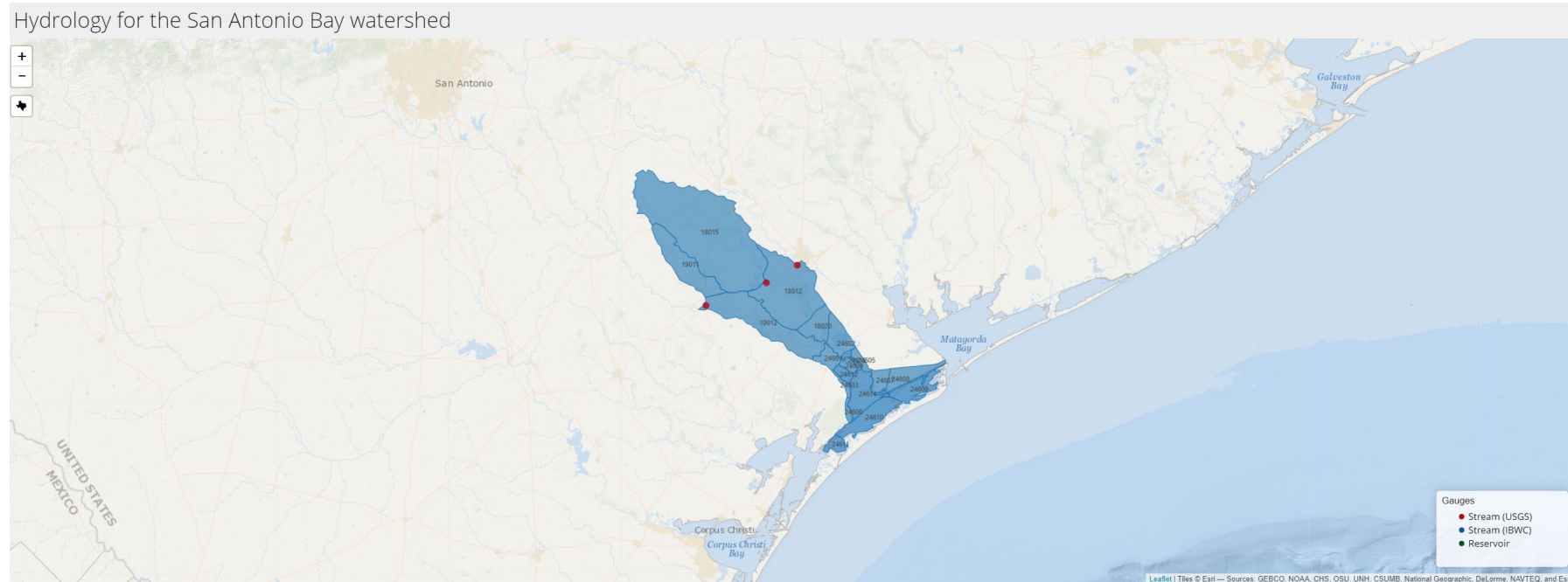
Historical Freshwater Inflows for Mid-Texas Estuaries:



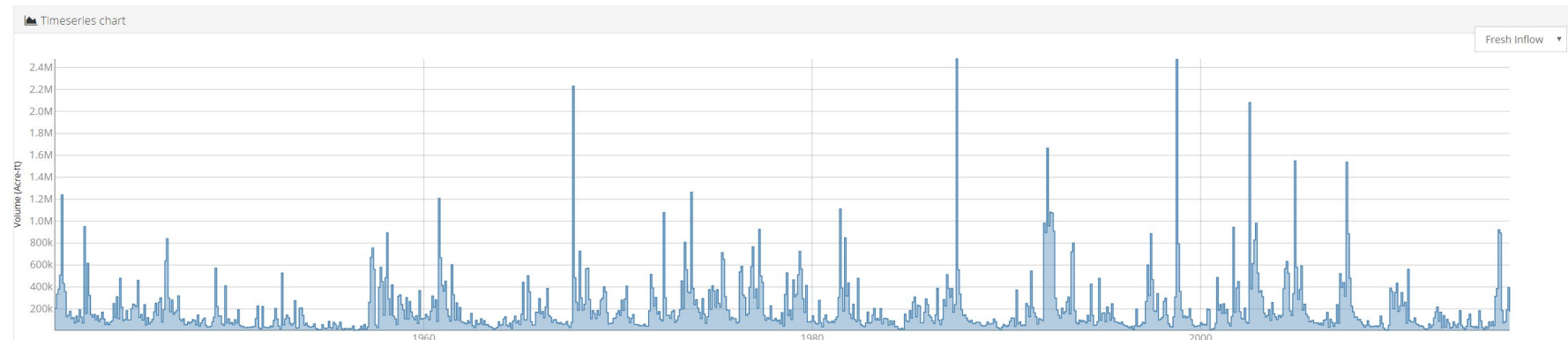
Historical Freshwater Inflows for Mid-Texas Estuaries: Matagorda Bay System



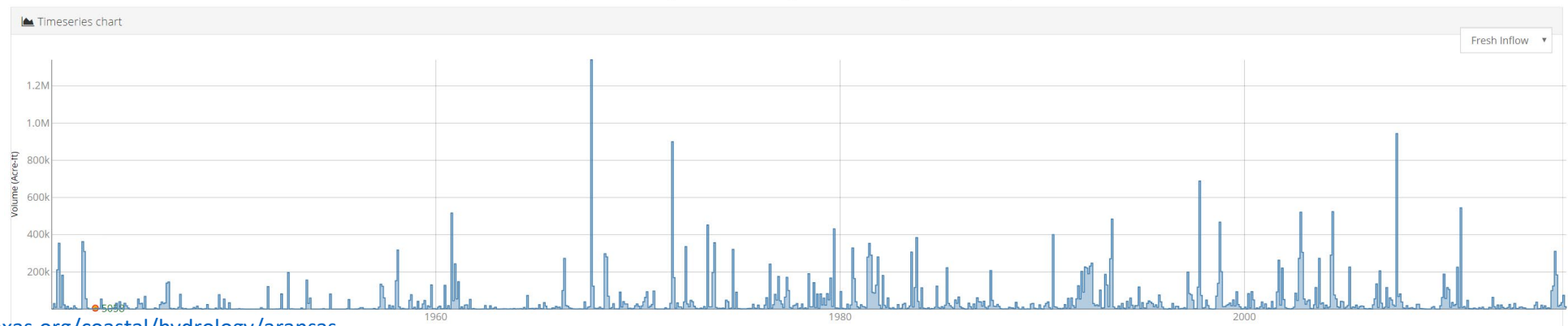
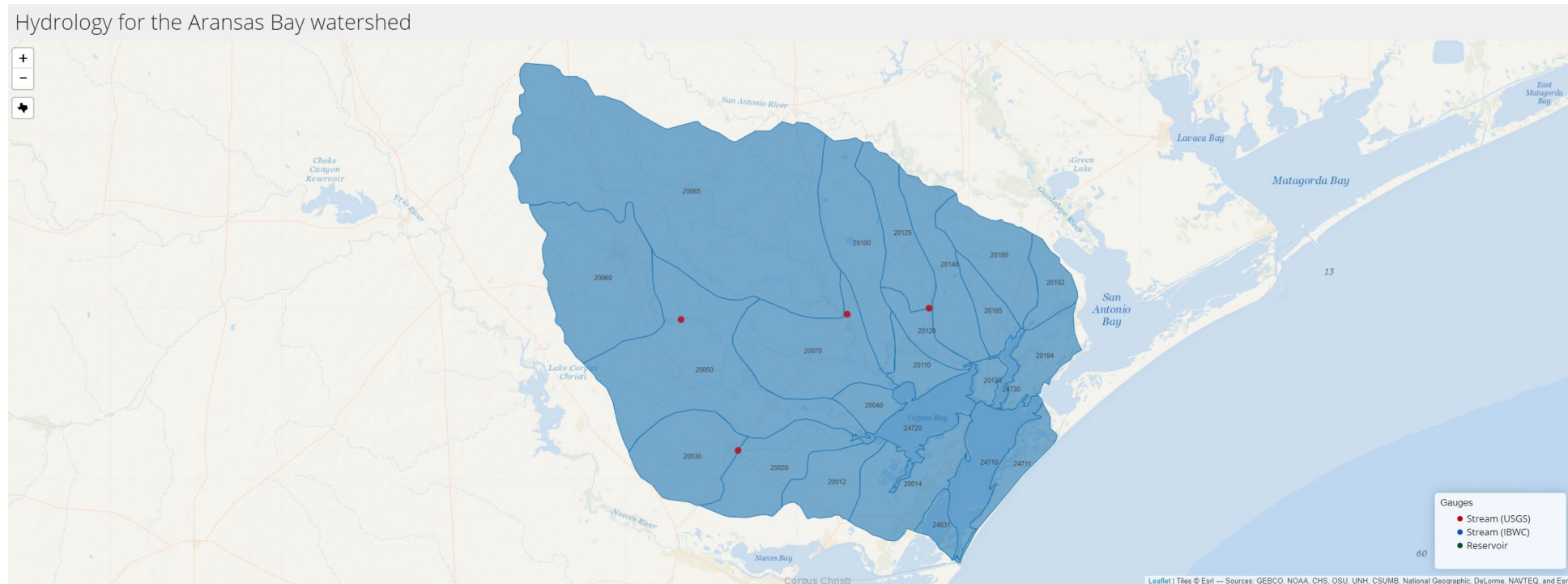
Historical Freshwater Inflows for Mid-Texas Estuaries: San Antonio Bay – Guadalupe Estuary



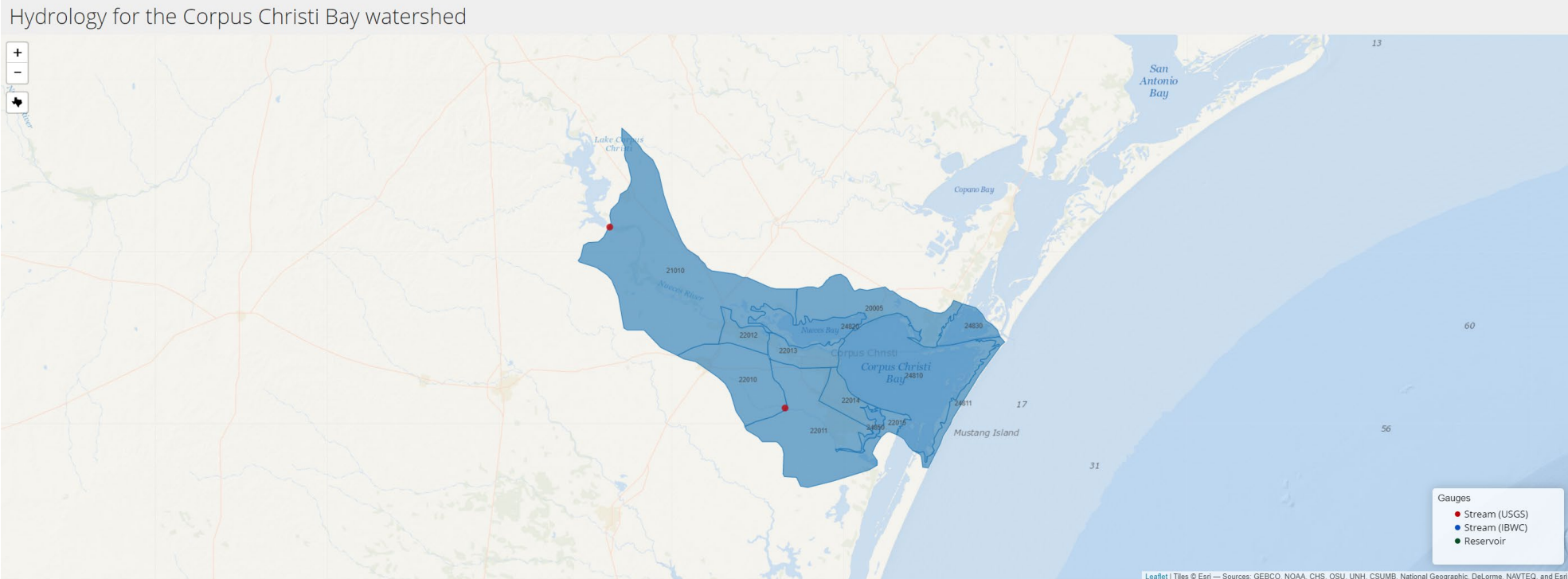
[Download Daily Data](#) [Download Monthly Data](#) [Download Yearly Data](#) [Download Statistics](#)



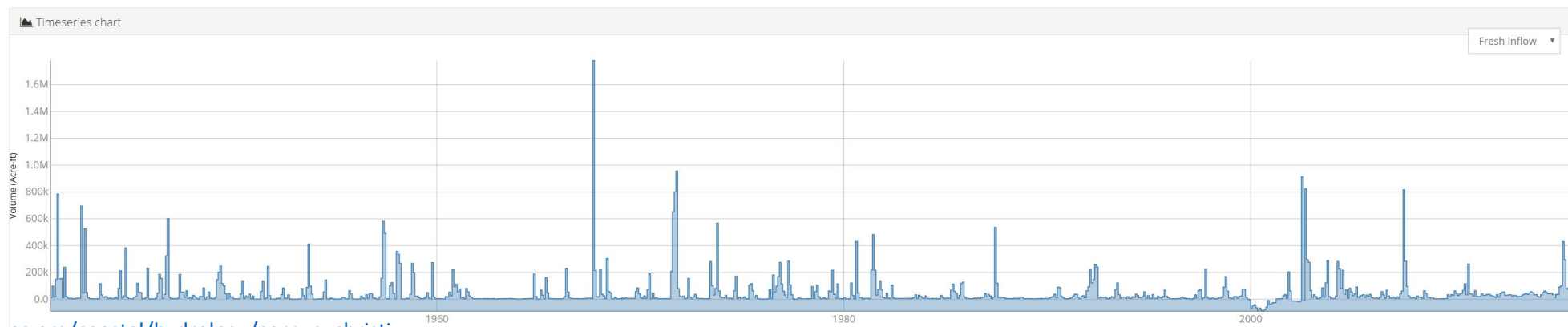
Historical Freshwater Inflows for Mid-Texas Estuaries: Aransas Bay System



Corpus Christi Bay – Nueces Estuary



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