

Water Supply Projects Update

Nicholas J. Winkelmann, P.E.
Chief Operating Officer – Corpus Christi Water

June 23, 2026



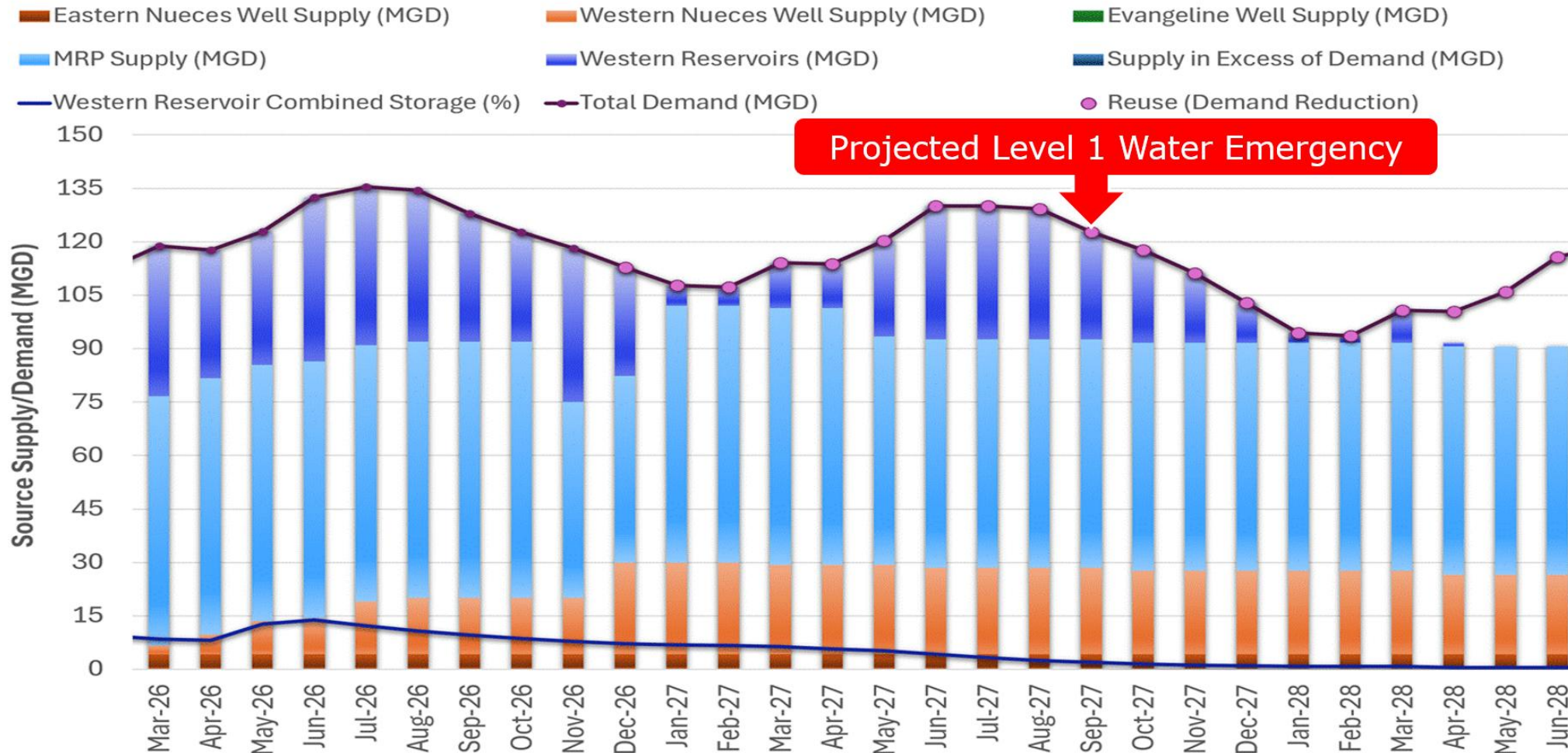
Discussion Topics

- **Dashboard Update**
- **National Weather Service Update**
- **Surface Water**
 - Western Reservoirs, Lake Texana, Lower Colorado River
- **Ground Water**
 - Evangeline Groundwater Program
 - Nueces River Groundwater & Brackish RO Project
 - Seven Seas
- **Wastewater Reuse**
- **Seawater**
 - Inner Harbor Project
 - Harbor Island Project
 - CC Polymers/Aquatech Project
 - Barney Davis Project



Water Supply Dashboard

Updated June 23, 2026

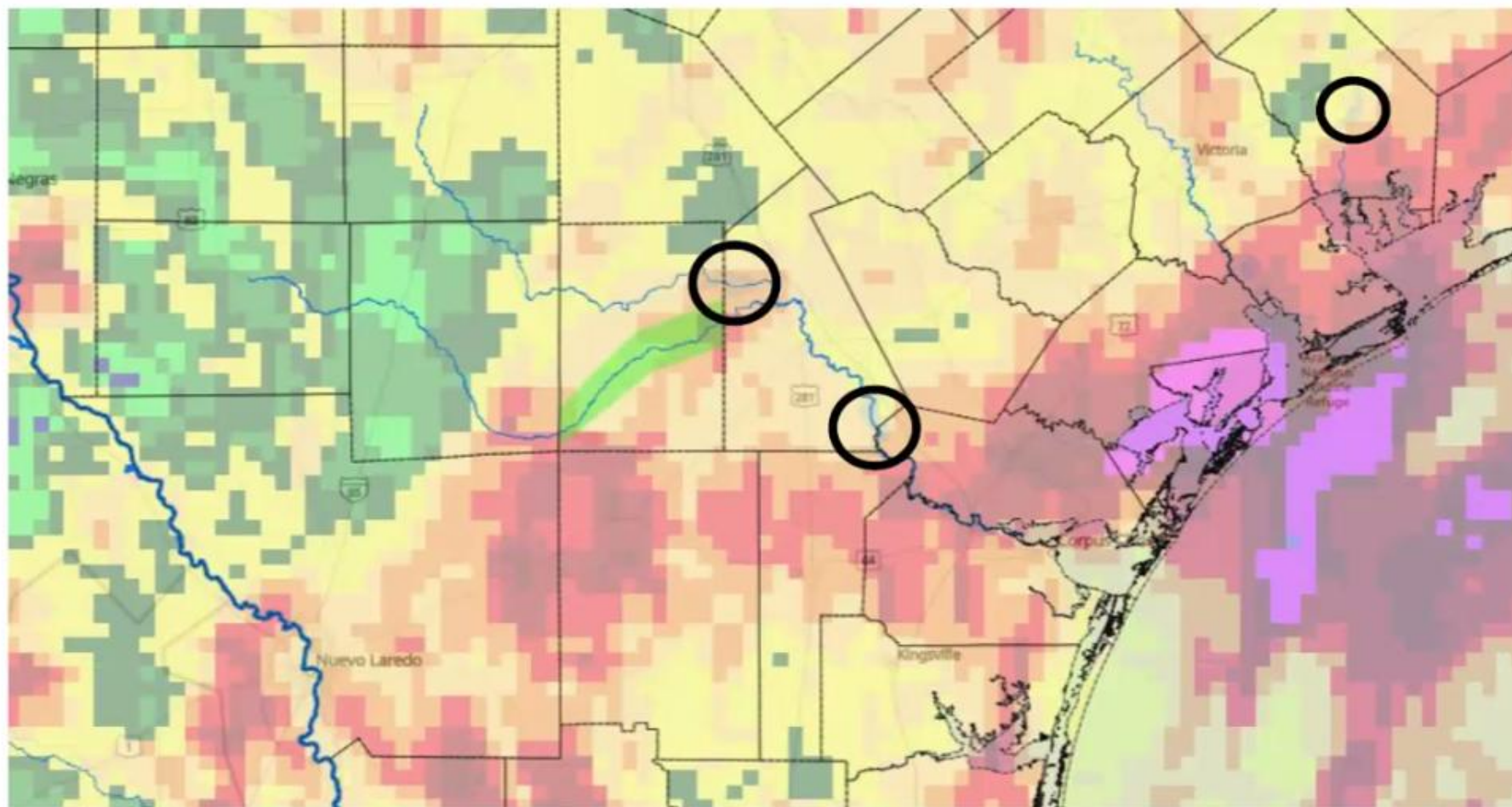




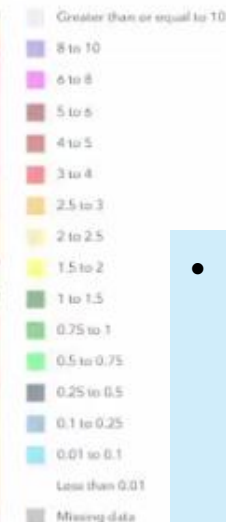
Past 7 Days Observed Rainfall

South Texas (Lakes Circled)

June 22, 2026
10:05 AM



Value



- Precipitation is approximately 3 ½" above normal in watershed

- Generally, 4-8" across the watershed with a pocket of 8-15" across the coast. Upper reaches saw 1.5-3"



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

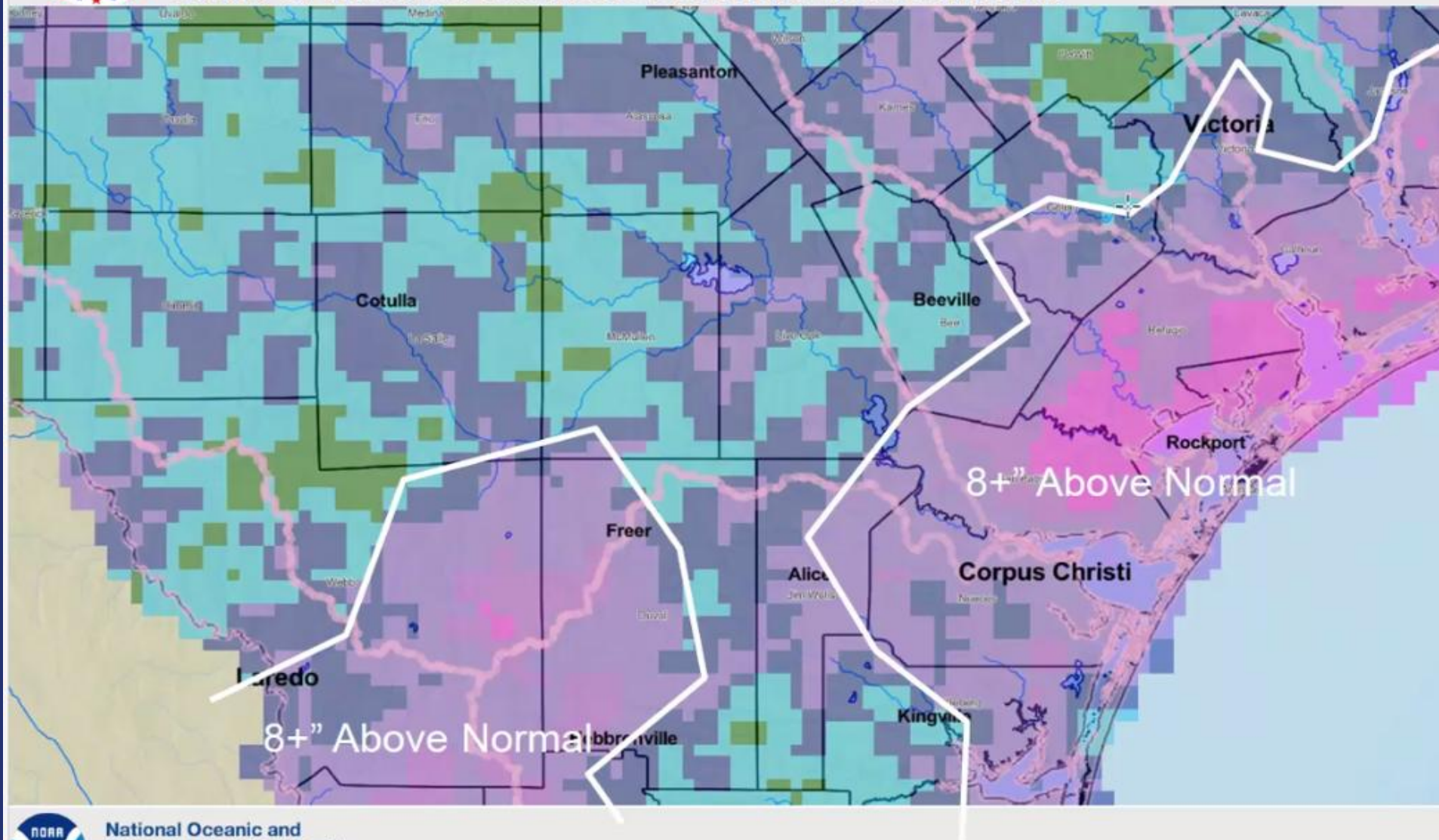
National Weather Service
Corpus Christi, TX



60 Day Departure From Normal

June 22, 2026
10:05 AM

Much of the area is 8 inches or more above normal



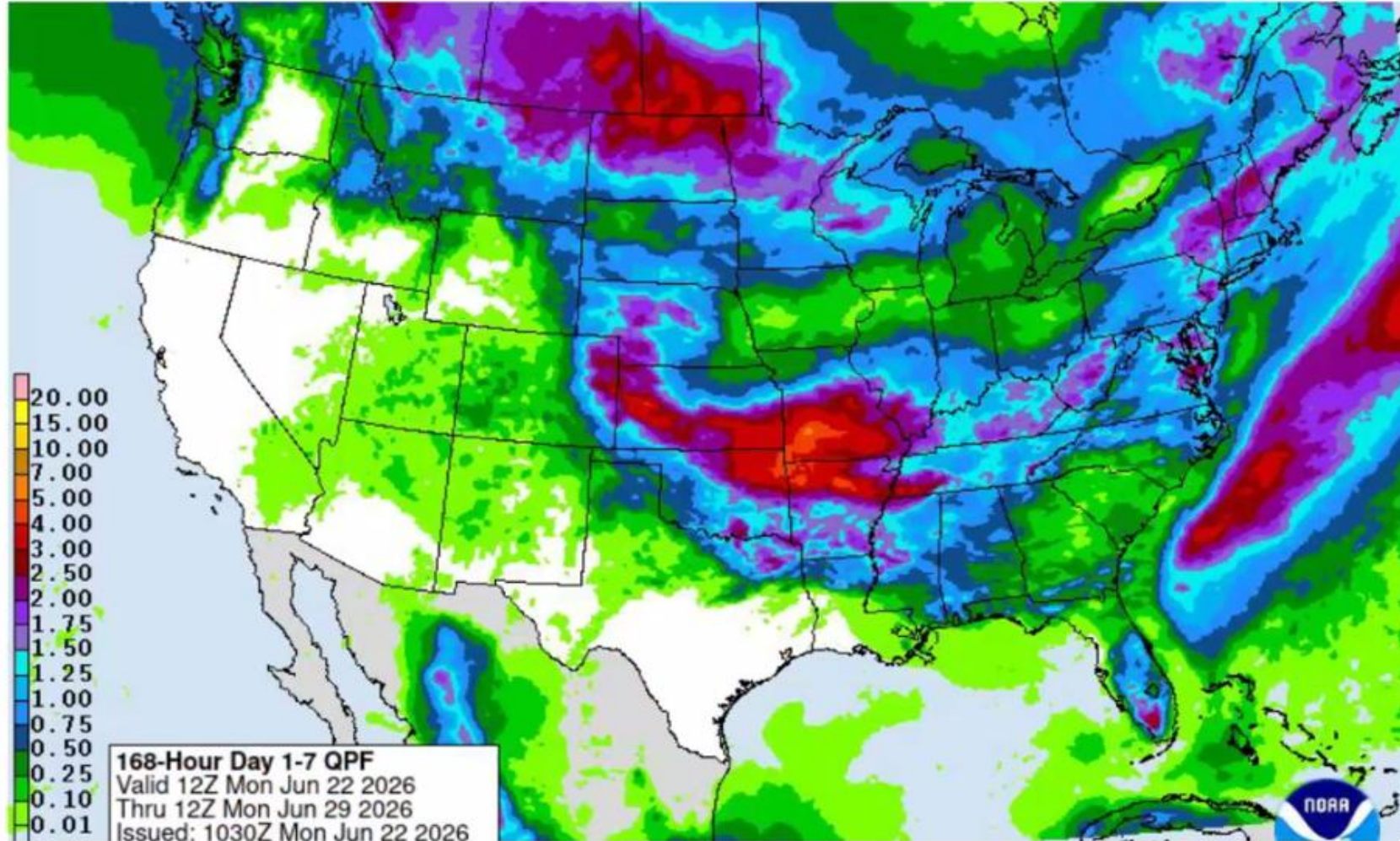
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Corpus Christi, TX



7 Day Total Precipitation Forecast

June 22, 2026
10:05 AM



- Precip: Little to no rainfall this week



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Corpus Christi, TX

Surface Water

Surface Water Supply

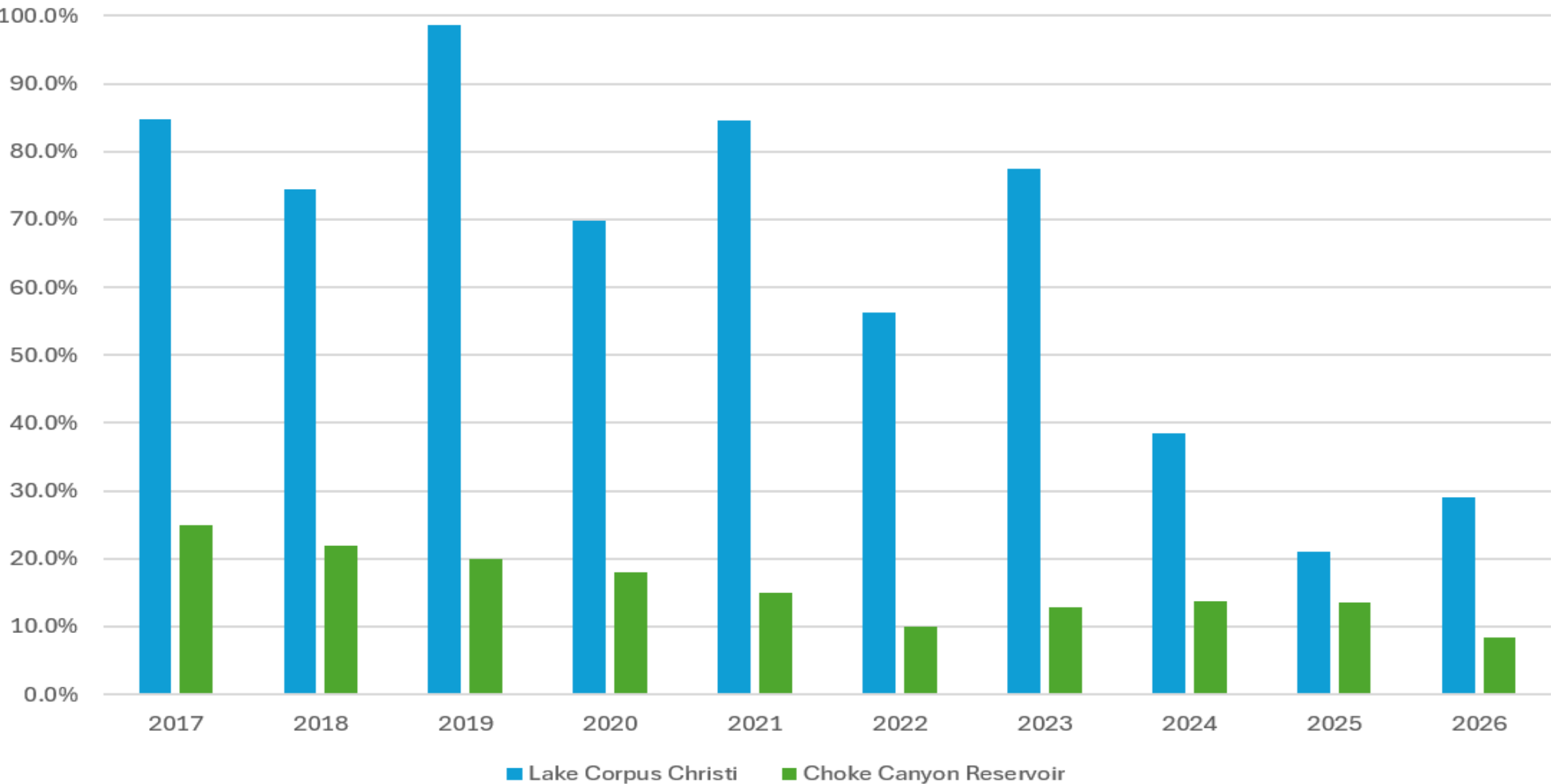


June 23, 2026

	Reservoir %	1 year ago %
Lake Texana	100	99.2
Lake Corpus Christi	31.3	22.1
Choke Canyon Reservoir	8.7	13.5

- Lower Colorado River
- Water Requested is Available

Surface Water Supply – Annual June History



Groundwater

Evangeline Groundwater Project Engineering and Construction Update

- The San Patricio Groundwater Conservation District (SPCGCD) has not issued a timeline for the contested case
- Engineering and construction work on this project continues to progress
- Three crews are on site, approximately 50 crew members, with various subcontractors
- A total of 135,880 linear feet of pipe has been delivered to the site
 - This accounts for approximately 84.27% of the total water line pipe required for the project
- Garney Construction continues with site work
 - 2,656 linear feet of pipeline installed and 8,636 linear feet of pipe fused



Nueces Groundwater and Brackish R.O. Program

- Production from the Nueces Groundwater Program remains temporarily halted due to inflow into the river caused by recent weather events
- The runoff between Wesley Seale Dam and the Calallen barrier resulted in a significant rise in river water levels
- Wells 10,11, and 12 are drilled but are not yet equipped with permanent pumping equipment
- Nueces Electric Cooperative expects to complete infrastructure improvements along FM 624 and within the well field to enable the operation of twelve wells powered by permanent electric power by the end of June - schedule is contingent upon suitable weather conditions for construction
- City is applying for drilling permits on the ERF property, but will operate the wellfield within the total of the original production permit
- Conveyance line is expected to be complete in December



Treated Water Delivery Schedule

- 3.91 MGD – February/March 2027
- 5.3 MGD – May 2027
- 5.3 MGD – September 2027
- 6.7 MGD – March 2028
- **21.3 MGD Total**

Seven Seas Water Group

- On May 5, Council authorized City staff to negotiate with Seven Seas Water Group (Seven Seas) on a brackish reverse osmosis project in Nueces County
- Seven Seas holds an option on approximately 5,000 acres of land and aims to secure additional properties if the project proves feasible
- Seven Seas is also in the process of finalizing a contract to drill a test well on the site, which is critical for conducting an aquifer test and a hydrogeologic study of the region
- It is expected that the driller will mobilize to the project site by the end of June to begin the drilling of the test well
- CCW will conduct a hydraulic review of the water system to determine how water produced by this facility could be integrated into the overall distribution system

Wastewater Reuse

Wastewater Reuse Project Overview

- Construction Manager At Risk (CMAR) contract approved for Reytec at the May 12 Council Meeting
- CMAR GMP will be presented for Council approval on June 30
- Ardurra is progressing toward 100% design
 - Submittal deadline June 23
 - Final signed and sealed drawings are projected to be complete by July 14
- Council has approved contracts with Valero and Flint Hills Resources (FHR) for wastewater reuse
- CCW continues to coordinate with Valero and FHR to accelerate delivery schedule
 - Valero construction underway
 - Valero expects Phase One up to 3 MGD and Phase Two at 8 MGD
 - FHR aiming to start utilizing effluent water within the next few months
 - Starting with 1 MGD, increasing to up to 3 MGD in later phases
- Negotiations continue with other entities for the remaining volumes



Seawater Desalination

Inner Harbor Seawater Desalination Project Overview



Contract Consideration

- On June 2, City staff presented a contract with Corpus Christi Desal Partners (CCDP) for consideration. Council approved a motion to postpone until September 1, 2026

Funding

- The City has requested restructuring of the SWIFT loan on June 18

Grants

- On May 15, the Bureau of Reclamation informed CCW that the City will receive an official memorandum endorsing the review team's recommendation to approve the feasibility study for the Inner Harbor project
- This formal communication advances the grant application to the next stage in securing funding, which is due by August 26
- However, due to the delay in project approval, the City may need to forgo the application process for this grant at this time

Harbor Island Seawater Desalination Project Overview

- The Nueces River Authority (NRA) board has selected IDE as the development partner for this project
- NRA approved a Master Service Agreement with Lockwood Andrews and Newman (LAN) for services associated with the Harbor Island Conveyance System
- City staff met with NRA and LAN to review ongoing design efforts for the pumping system and conveyance line under this contract
- LAN suggested meeting again, later in the summer
- CCW and its engineering team will analyze the alignment to determine the optimal connection point
- Additionally, CCW will conduct hydraulic modeling and other analyses to complete preliminary engineering assessments, providing insight into the costs associated with the City's portion of the project
- TCEQ Intake Permit was approved on June 18
- TCEQ Discharge Permit public meeting held May 27

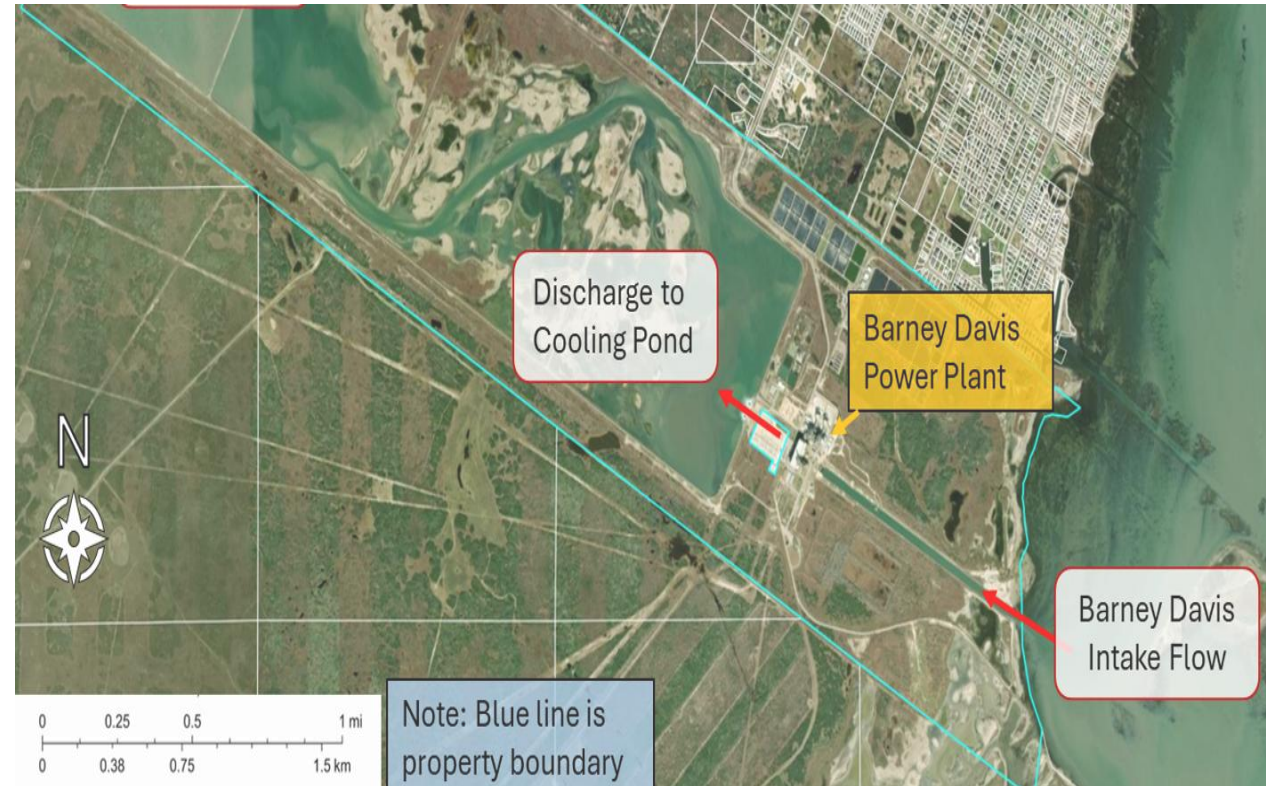
CC Polymers/Aquatech Project Overview

- CCW, City staff, and Aquatech have met five times to date
- Aquatech proposes a 25-year agreement
- CCW is currently modeling the connection point and the integration of this additional water into the distribution system
- Expecting to execute a non-binding letter of intent this week
- Aquatech will establish a Special Purpose Vehicle (SPV) for this project that would issue construction and operational contracts to Aquatech
- The establishment of SPV will take a maximum of six months to establish
- Estimating twelve months for the build-out of the plant and construction of potable water infrastructure after the Final Investment Decision, with the ability to provide 9.4 MGD
- Six additional months for the ability to provide a total of 12.5 MGD
- Eighteen additional months for the ability to provide a total of 14 MGD



Barney Davis Seawater Desalination Project Overview

- City Council approved a motion authorizing City staff to work with CPS Energy in exploring options for establishing a seawater desalination treatment plant adjacent to the Barney Davis Power Plant
- City staff continue to talk with CPS Energy representatives to reaffirm CPS Energy's commitment to coordinate with the City on a seawater desalination project at the Barney Davis Power Plant
- City staff continue to discuss potential next steps and the possibility of forming a Public Utility Association.
- A formal RFQ will be issued when site is secured





COMMUNITY WATER INFORMATION SESSIONS

All meetings take place from **6:00 p.m. to 7:00 p.m.**

June 24

District 3

Moody High School Gymnasium

1818 Trojan Drive

July 15

District 4

Ethel Eyerly Senior Center

654 Graham Road

August 6

District 1 (Calallen/Annaville)

**Grace United
Methodist Church**

14521 Northwest Boulevard

August 26

District 1

**Antonio E. Garcia Arts &
Education Center**

2021 Agnes Street

September 16

District 2

Lindale Senior Center

3135 Swantner Drive



**MORE
INFO**

