

# Water Supply Projects Update

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February 24, 2026

# Discussion Topics

- National Weather Service Update
- Surface Water Supply Lake Texana
- Evangeline San Patricio Groundwater Program
- Groundwater Supply Nueces Groundwater Program
- Western Well Field Extension
- Wastewater Reuse
- Inner Harbor Seawater Desalination
- Harbor Island Seawater Desalination
- Securing Water Website



# National Weather Service Update

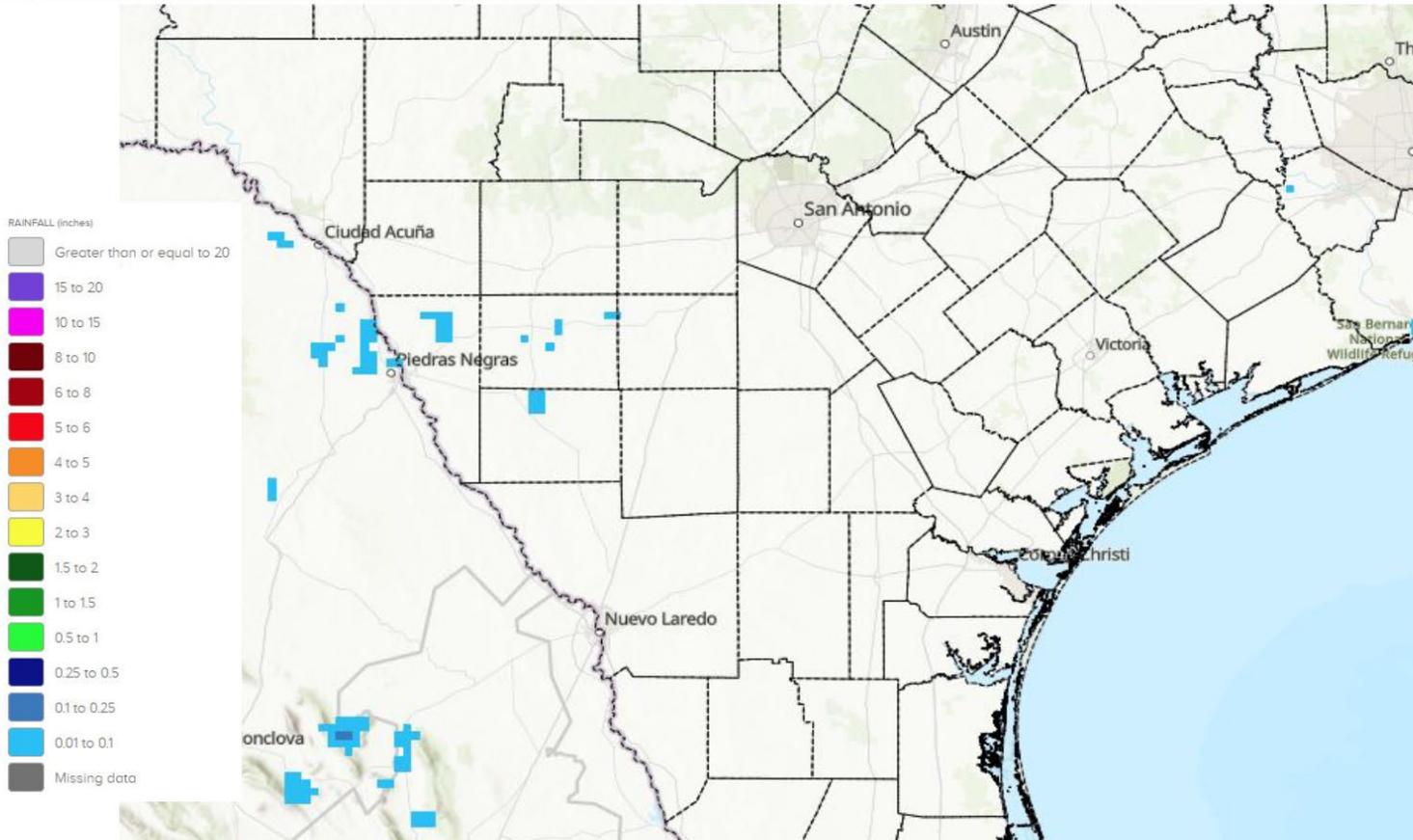


## Past 7 Days Observed Rainfall

February 23, 2026

10:02 AM

Across the southern-half of Texas



No rain has fallen over the past week.

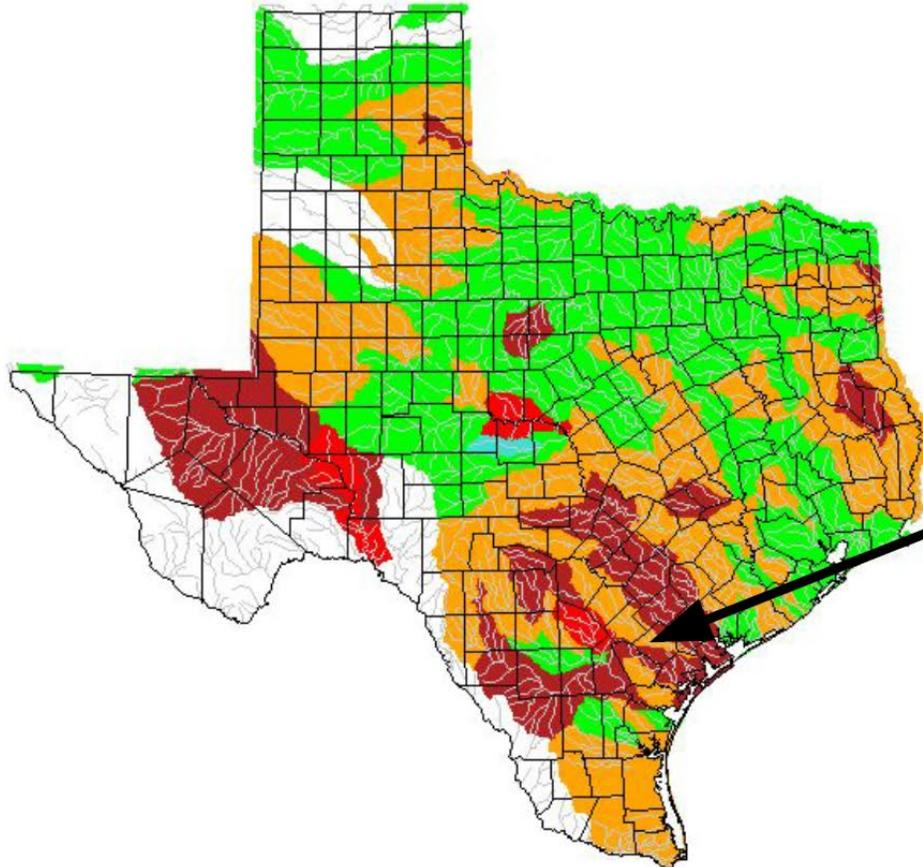
# National Weather Service Update



## 7-Day Streamflow Anomaly

February 23, 2026  
10:02 AM

Sunday, February 22, 2026



Below normal to much below normal streamflow anomalies across the watershed.

Even some record low flowing along the Atascosa.

Explanation - Percentile classes

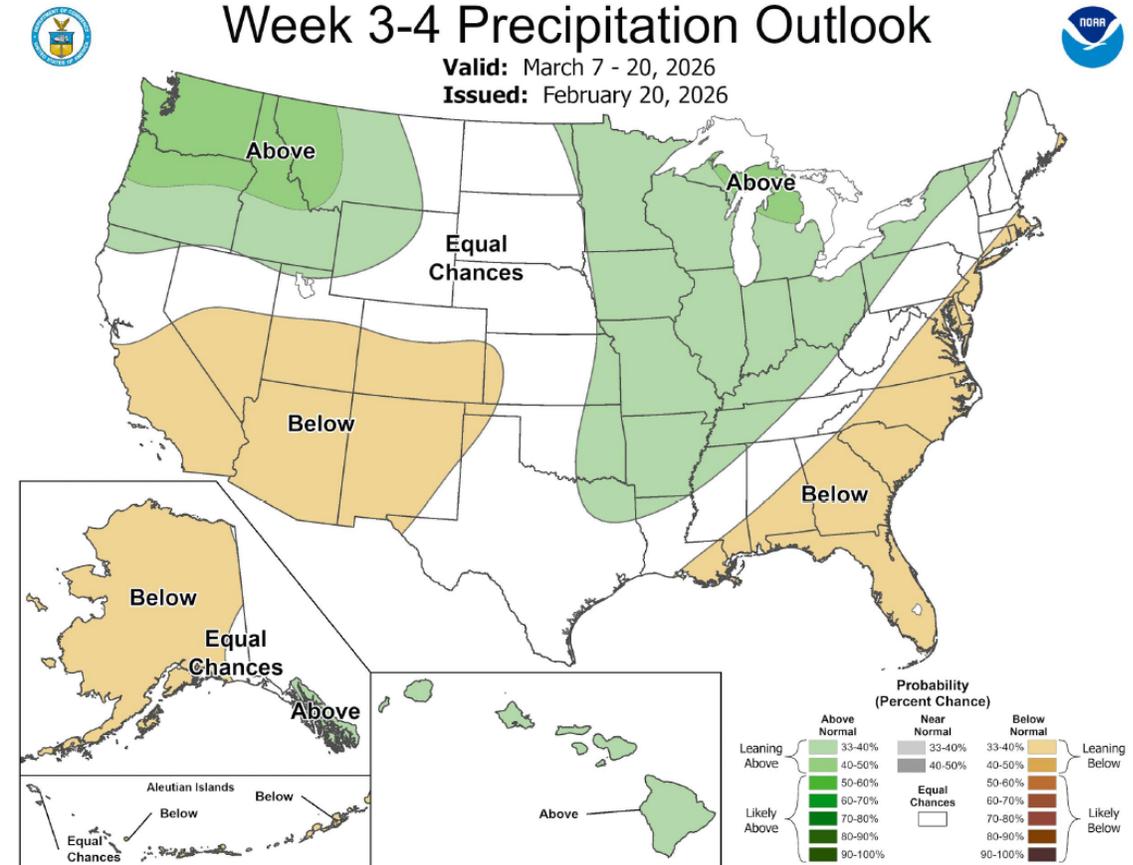
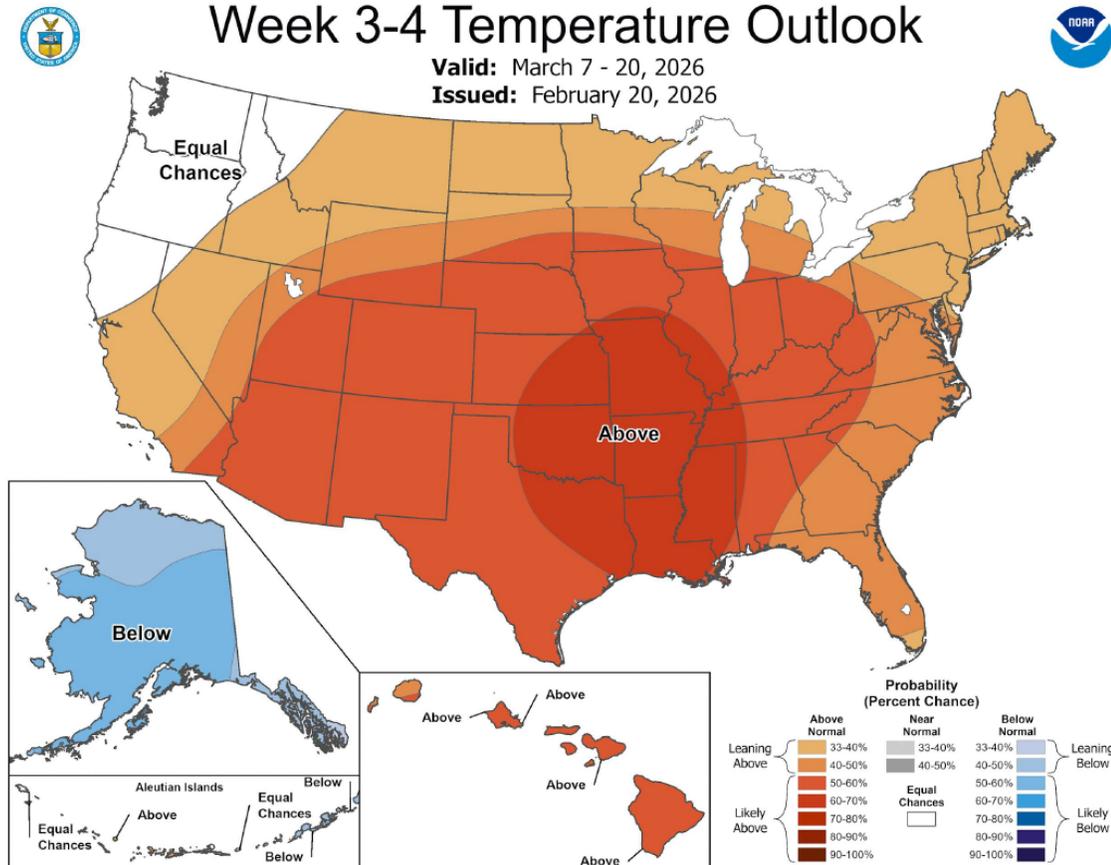
Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

# National Weather Service Update



## Week 3-4 Temp/Precip Outlook

February 23, 2026  
10:02 AM



# National Weather Service Update



## Historical River Level Probabilities

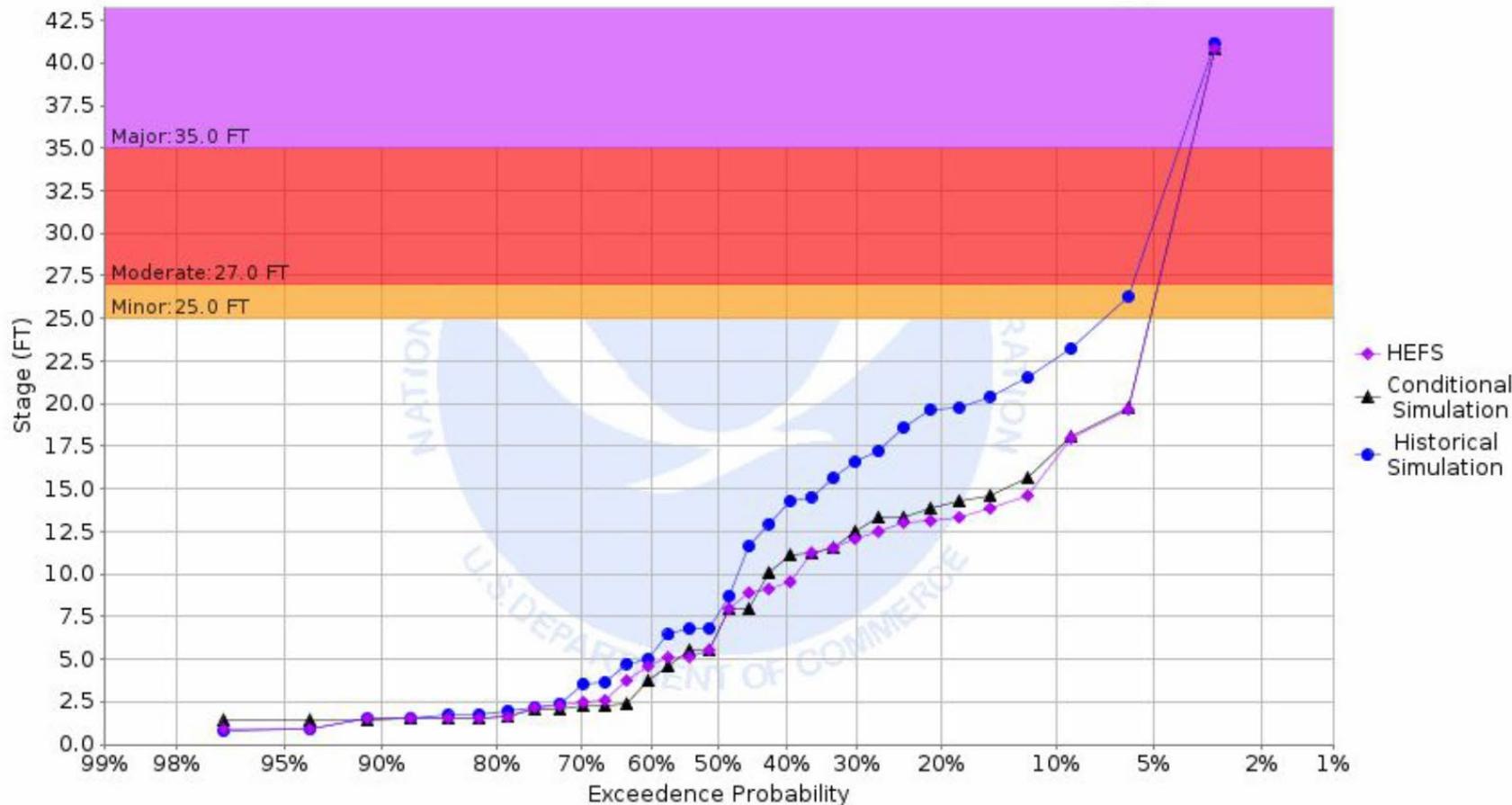
February 23, 2026

10:02 AM

95% Chance Minor Flood Stage Will NOT Be Reached at Tilden through May 19th

Chance of Exceeding River Stage at THET2  
Forecast for the period 02/18/2026 - 05/19/2026

This is a conditional simulation based on the current conditions as of 02/18/2026



Historical Simulation averages the last 50 years of data. Does NOT account for current soil conditions.

Better representation of current conditions is the Conditional Simulation. Shows an even lower chance than normal for rising rivers over the next 3 months.

# Surface Water Supply Lake Texana

LAVACA-NAVIDAD RIVER AUTHORITY  
FORECASTING OF RESERVOIR WATER SUPPLY  
(FOR ESTIMATING ONLY)

ENTER START DATE OF FORECAST: 18-Feb-26  
 ENTER CORRESPONDING LAKE ELEVATION: 36.49 MSL  
 98,631 AF or 60.04% Reservoir Capacity

ENTER CURRENT RESERVOIR CONDITIONS DATA TO BE USED IN BOXES BELOW.

Avg Daily Inflow (AF)	Avg Daily Rainfall (INCHES)	Avg Daily Evaporation (INCHES)	Avg Daily B&E (AF)	Avg Daily East M&I (AF)	Avg Daily West M&I (AF)
9.06	0.084	0.150	2.90	86.44	140.17

142.4 cfs Agreement rate maximum

- OR  days  Enter any trigger elevation here
- N/A OR  N/A days ELV 43.00' MSL ~ End of Interruptible water delivery trigger
- N/A OR  N/A days ELV 40.23' MSL ~ Begin using 5 cfs for the B&E daily agreement rate maximum
- 20-Apr-26 OR  61 days ELV 34.09' MSL ~ 50% capacity, begin drought contingency plan water restrictions
- 21-Jun-26 OR  123 days ELV 31.33' MSL ~ 40% capacity, next step in water restrictions
- 24-Aug-26 OR  187 days ELV 28.10' MSL ~ 30% capacity, next step in water restrictions
- 28-Oct-26 OR  252 days ELV 24.27' MSL ~ 20% capacity, next step in water restrictions

- Reservoir capacity is projected to reach 50% by April 20 if no additional inflows occur, requiring a 10% reduction in water usage
- LNRA update meeting and operations planning scheduled for March 16

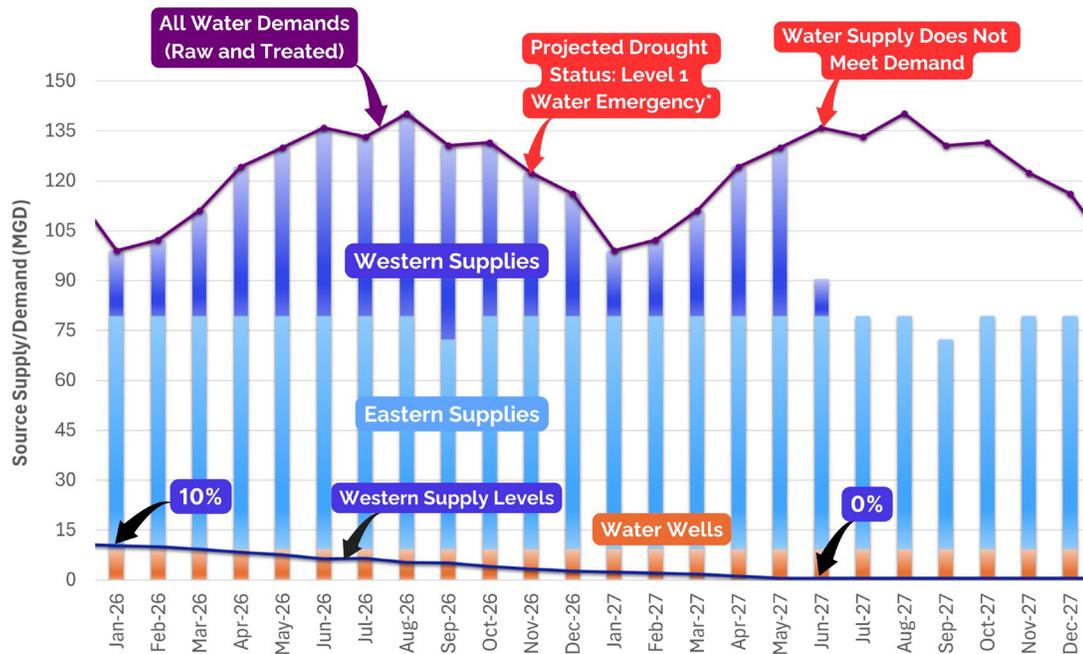
February 24, 2026

At 1000 hours this date	2025	2024
Elevation Lake Texana	36.23	38.73
Release (cubic feet per second)	0	0
Reservoir Capacity (acre-feet)	96,748	115,885
Reservoir Capacity (percent)	59	71

# Surface Water Supply Lake Corpus Christi & Choke Canyon Reservoir

## Daily Reservoir and Pass-Thru Status Report February 23, 2026

- Lake Corpus Christi capacity is 10.5%
- Choke Canyon Reservoir capacity is 8.5%
- Combined Capacity is 9.0%



## Lake Corpus Christi



October 2021



October 2025

# Nueces Groundwater Program

## Eastern Well Field

- Well field is substantially complete and operating per the conditions of the Bed and Banks Permit
- Current expenditures: \$18,290,991\*

## Western Well Field

- Bed and Banks Permit – Application officially submitted to the Texas Commission on Environmental Quality (TCEQ) on January 30 and declared administratively complete
- Well Nos. 9, 10, 11 – Well 9 was operational and functional tested last week. Well Nos. 10 and 11 are complete and ready for operation with functional testing scheduled
- Well Nos. 12, 13, 14 – Drilling complete and awaiting permanent pumping assembly equipment
- Well No. 15 – Development and Testing
- Well No. 16 – Drilling
- Well No. 17 – Awaiting, for production screens
- Well No. 18 – Drilling
- Average depth of cemented casing is 515'
- CCW Crews have installed 4.03 miles of PVC water line
- Full Well Field operation is expected in May 2026
- Current expenditures: \$21,037,772\*

***\*\$30M in grant funding formally approved by the Texas Water Development Board on January 21.***



# Containerized Brackish Water Treatment Plant

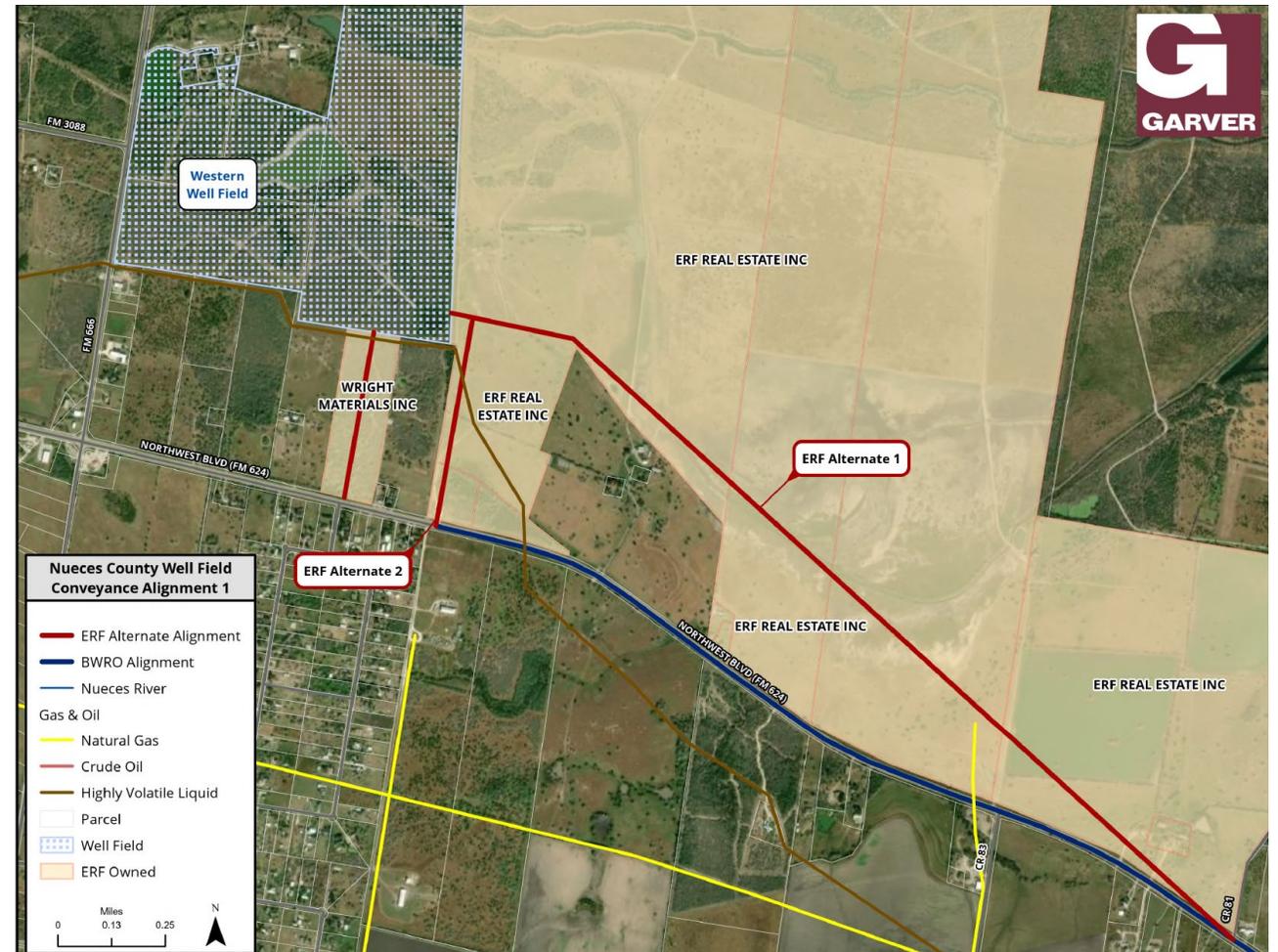
## Project Scope



- Western Well Field Pump Station
- Conveyance line from the Western Well Field to the O.N. Stevens Water Treatment Plant (ONSWTP)
- Brackish groundwater treatment plant

# Containerized Brackish Water Treatment Plant Conveyance Line

- 36" PVC and HDPE
- Installed in Right of Way with TXDOT coordination
- Installation performed by CCW and multiple contractors



# Containerized Brackish Water Treatment Plant

Project Scope – Brackish Groundwater Reverse Osmosis

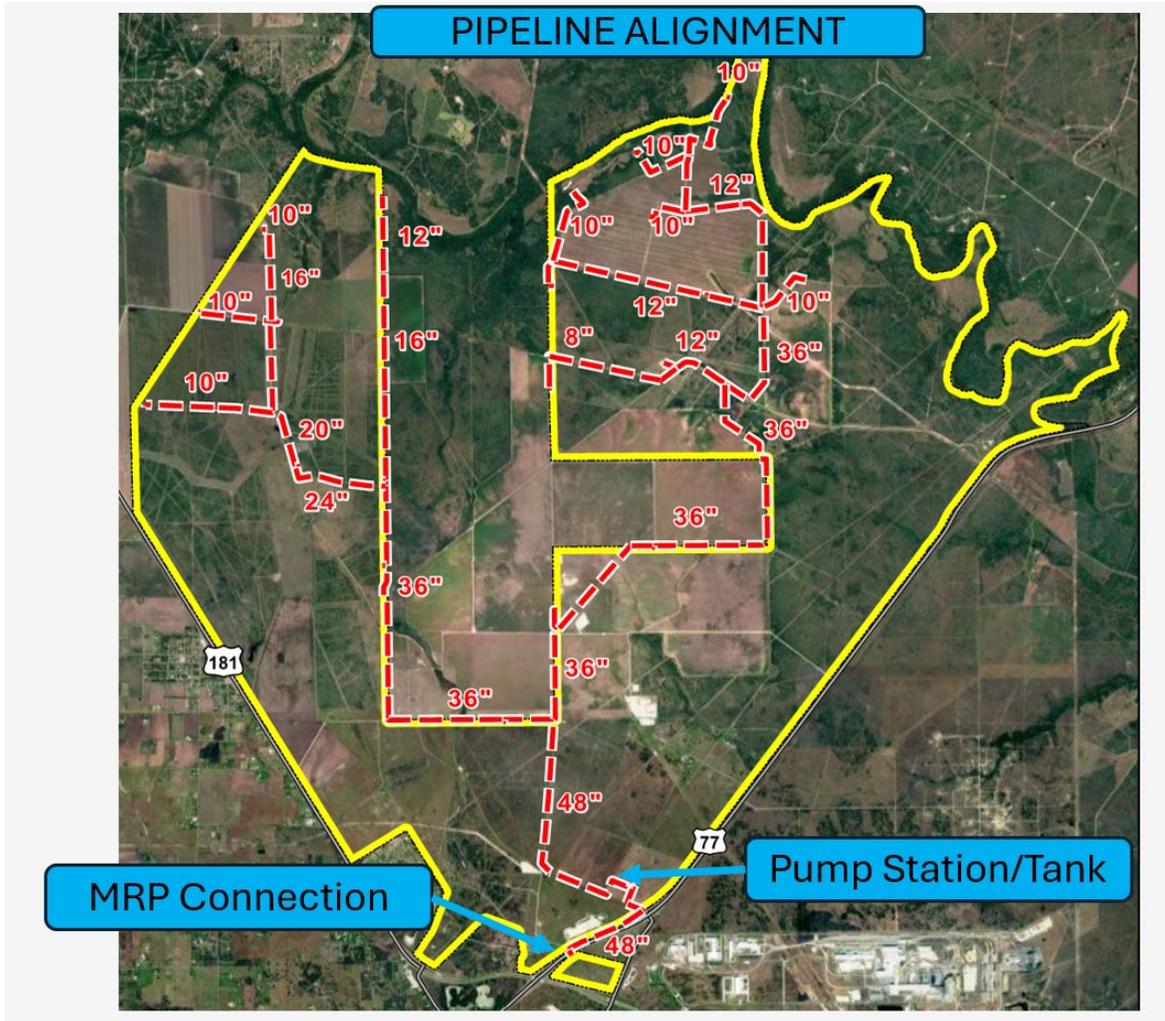
## Treated Water Delivery Schedule

- 3.91 MGD in 11 Months
- 9.24 MGD in 14 Months
- 14.56 MGD in 18 Months
- 21.3 MGD in 24 Months



# Evangeline Groundwater Project

## Construction

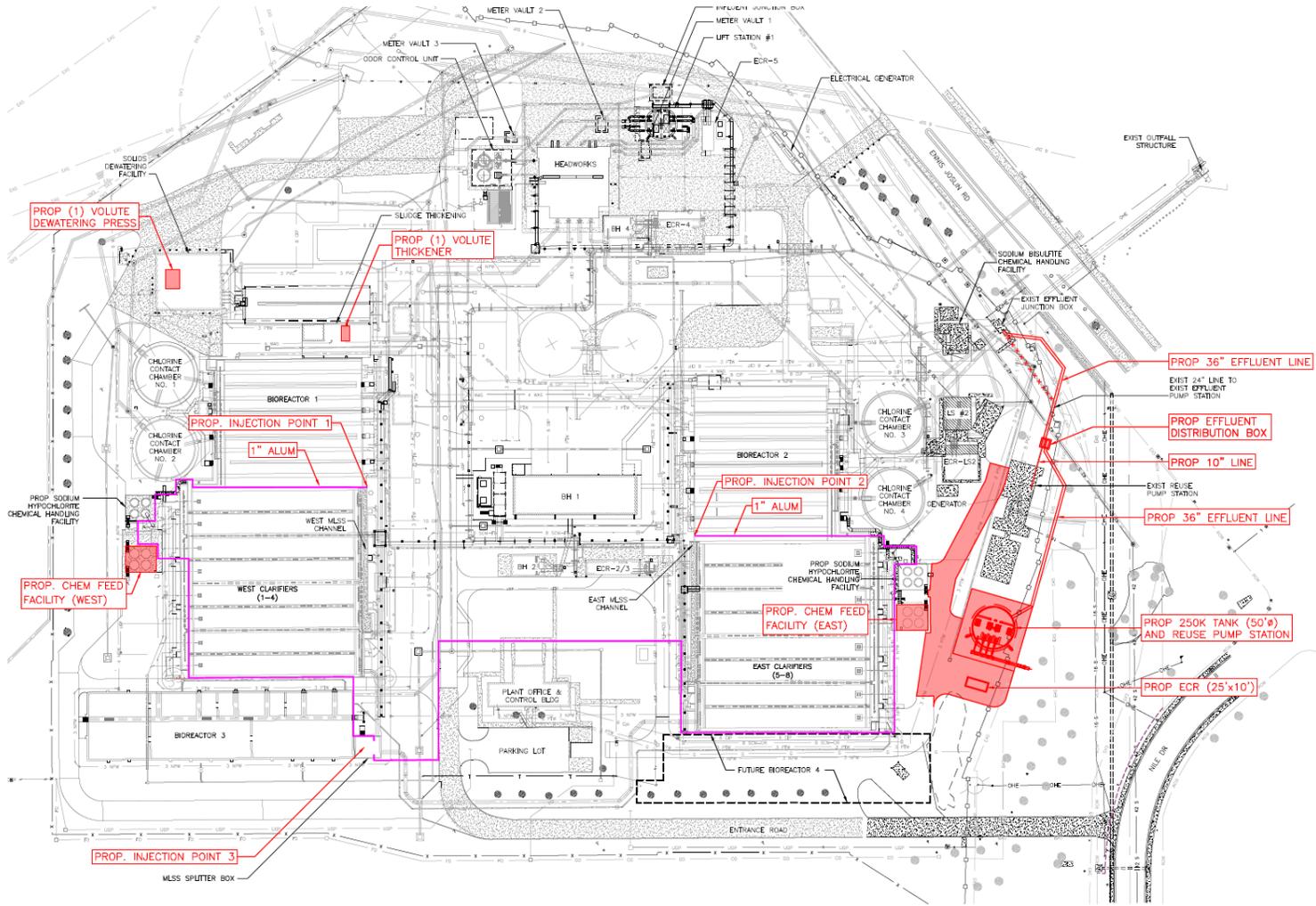


## Project Overview

- Development of 22 additional wells (24 total)
- Well field water lines (approx. 35 miles)
- Connection to the Mary Rhodes Pipeline
- Electrical infrastructure and controls
- 3 MGD Ground storage tank
- 24 MGD high-service pump station
- Access roads



# Wastewater Reuse Project Overview



**OSO WRP PROPOSED CIVIL SITE PLAN**  
 SCALE: 1"=120' (HALF SIZE SHEETS)  
 SCALE: 1"=60' (FULL SIZE SHEETS)

- CCW continues to coordinate and work with Valero and FHR on effluent projects
- CCW continues to negotiate with other entities
- Ardurra has completed preliminary design of Oso upgrades and 15 miles of 36" conveyance line
- Design is expected to be complete in July, with contractor negotiations to follow

# Inner Harbor Seawater Desalination Project Overview

- **Path forward was reviewed at the February 24 Council meeting**
  - If Council approves moving forward, staff will prepare a contract with CCDP for consideration during an April Council meeting
- **Farfield Modeling**
  - Modelers to be discussed at the March 5 committee meeting
- **Owners Representative**
  - Qualifications received and under selection panel review
  - Owners representative Contract would be presented for council consideration in April 2026
- **Operations and Maintenance Agreement**
  - Request for proposal to be developed
  - Request for proposals to be issued after April 2026



# Harbor Island Seawater Desalination Project Overview

- The Nueces River Authority (NRA) has issued a formal RFQ for the development partner, with responses due March 6
  - NRA anticipates selecting this development partner by mid-June
- NRA approved a Master Service Agreement with Lockwood Andrews and Newman for services associated with the Harbor Island Conveyance System at their meeting on February 20
- TCEQ has issued a notice regarding an application for a water use permit for the Harbor Island Seawater Desalination Project
  - Permit would authorize the diversion and use of 350,000 acre-feet of water per year from a point in the Gulf for municipal and industrial purposes in Aransas, Nueces, and San Patricio Counties
  - The application, technical data, and the Executive Director's draft permit are available on the TCEQ web page: [https://www.tceg.texas.gov/permitting/water rights/wr-permitting/view-wrpend.apps](https://www.tceg.texas.gov/permitting/water%20rights/wr-permitting/view-wrpend.apps)
  - The NRA expects TCEQ to issue the draft discharge permit by the end of February



CITY OF CORPUS CHRISTI  
**CORPUS CHRISTI  
WATER**