

# Joint Funding with USGS for Automated River Gauging Station Monitoring

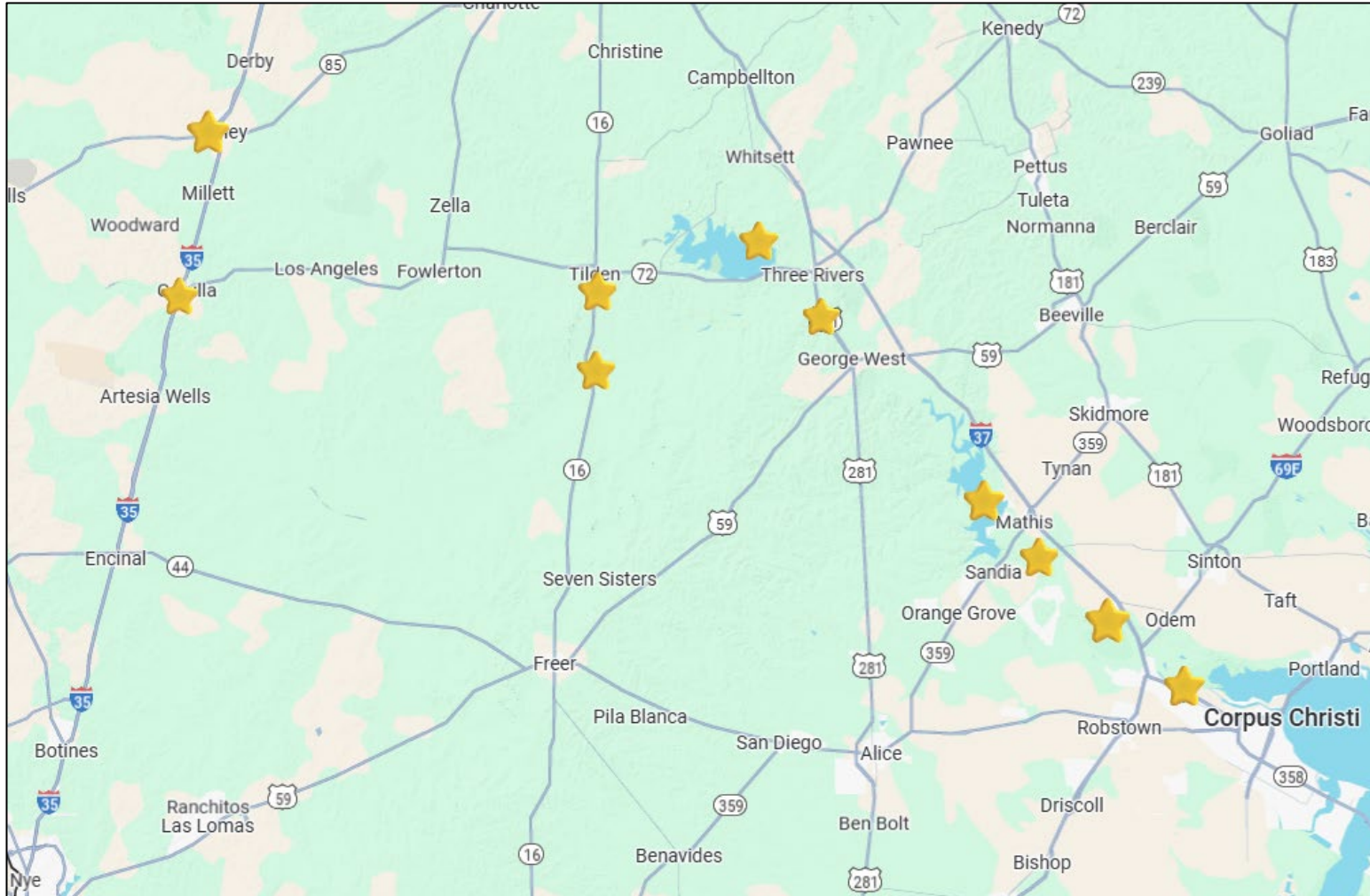
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# Summary

- The City utilizes the USGS automated river gauging stations to record all inflows in the reservoir system.
- To properly manage the diversion of raw water and the health of the reservoir system, in addition to water quality monitoring.
- Knowledge of the incoming raw water quality allows the City's Water Treatment Plant Operators to optimize the treatment process.
- Knowledge of the inflows to Lake Corpus Christi and Choke Canyon Reservoir allows the City's Dam Operators to adjust the downstream releases to protect public safety, maintain as much water as possible in the reservoirs, and protect the integrity of the dams.

# The USGS Guage Locations



- Nueces River at Cotulla, TX
- Nueces River near Tilden, TX
- Frio River near Derby, TX
- Frio River at Tilden, TX
- Choke Canyon Reservoir and outflow near Three Rivers, TX
- Nueces River near Three Rivers, TX
- Lake Corpus Christi near Mathis, TX
- Nueces River near Mathis, TX
- Nueces River above Bluntzer, TX
- Nueces River at Calallen, TX

# Fiscal Impact

- The motion authorizes the City to contribute \$189,750.00 in FY26 to USGS to maintain automated river gauging stations along the Frio and Nueces Rivers and associated tributaries, which the City uses to record stream flows and water quality information.
- USGS contributes \$28,950.00 and the City contributes \$189,750.00.
- Total Combined Cost for FY26 equals \$218,700.00

# Staff Recommendation

- Staff recommends approval of the Joint Funding Agreement with the USGS with a City contribution of \$189,750.00.

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Thank you!

