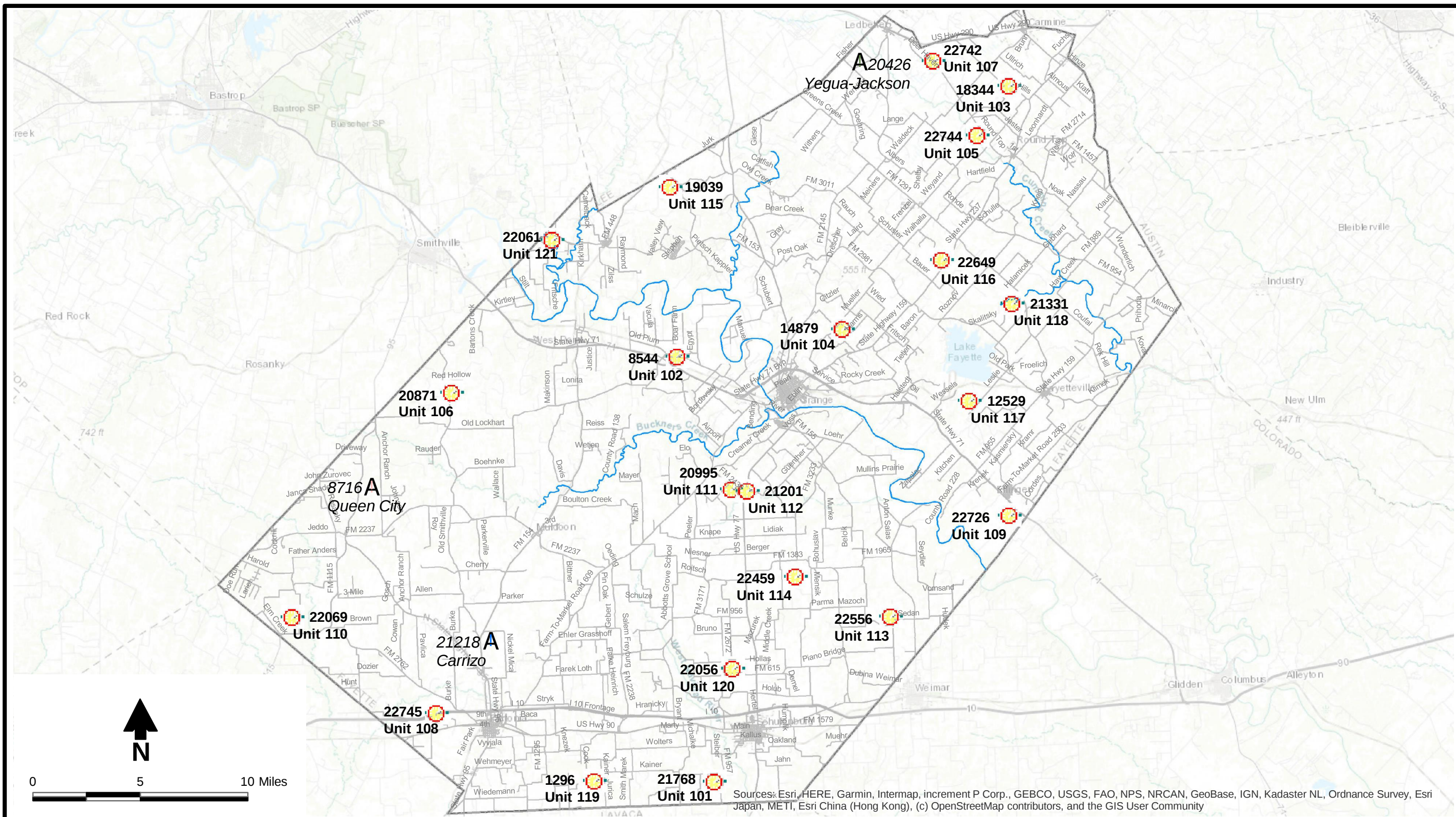


Summary Overview of Fayette County GCD Water Level Monitoring Program

GMA12 Meeting, November 20, 2025

Data sources

- Quarterly monitoring of static well network
 - 21 rig supply wells with WellWatch monitors
 - 3 hand-measured wells
- Wells measured by TWDB
 - 12 were measured in 2024
- Data from six FWSC wells
- Data from other wells in network



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Explanation

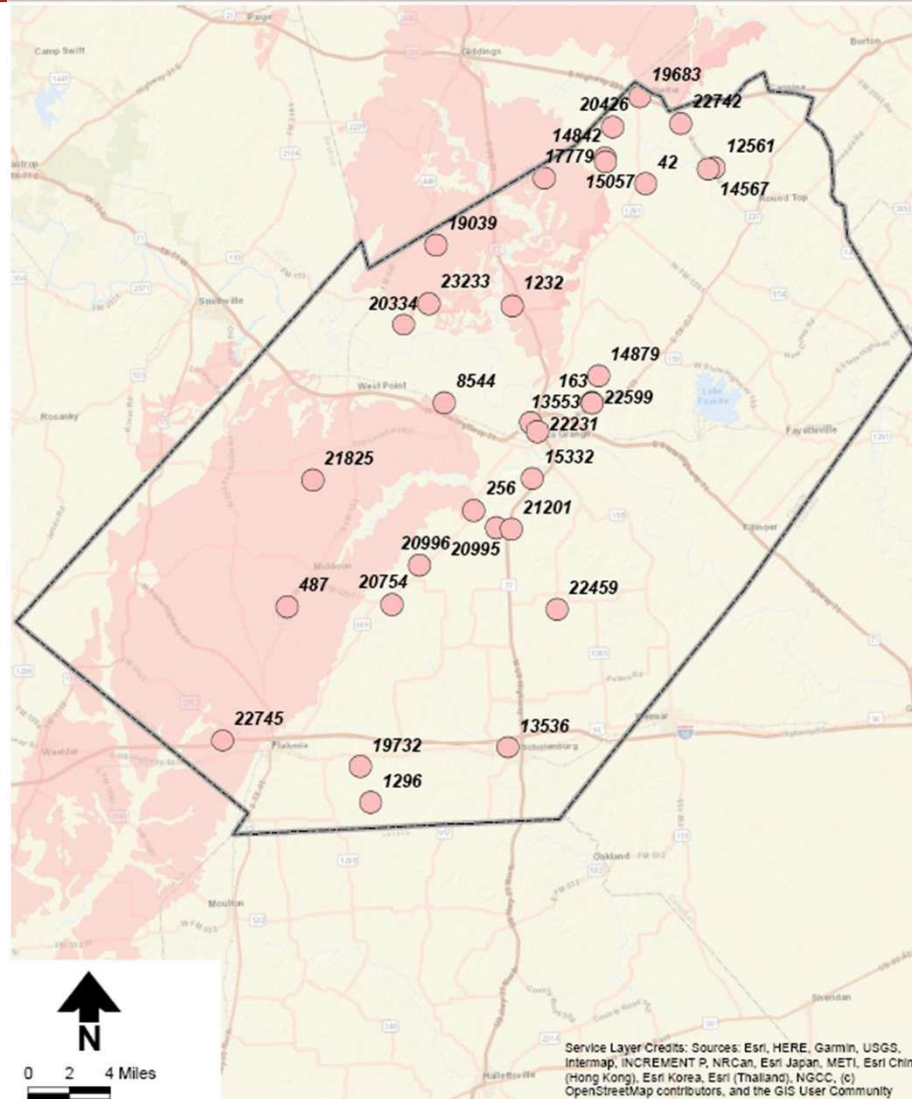
 Installed unit



a Geo-Logic Company
Texas Registered Geosciences Firm No. 50045
Texas Registered Engineering Firm F-286

11/18/2025 WR09.0261

FAYETTE COUNTY GROUNDWATER CONSERVATION DISTRICT
STATIC MONITOR WELL PROJECT
**Installed Sonic Water Level Sensors
and new District Monitor Wells**



- Explanation
- Current Yegua-Jackson Aquifer monitoring well with District well ID
 - Yegua-Jackson Aquifer outcrop

Selected Hydrographs - Yegua-Jackson Aquifer



Example Compliance Table - Sparta Aquifer

Year	Water Level (feet bgs)	Change from Prior Measurement (feet)	Change from Initial Water Level (feet)	Average Annual Change from Initial Water Level (feet)
67-15-403 (TWDB Davis Domestic Well)				
2012	79.85	NA	NA	NA
2013	90.72	-10.87	-10.87	-10.87
2015	101.42	-10.70	-21.57	-7.19
2016	84.71	16.71	-4.86	-1.22
2017	74.20	10.51	5.65	1.13
2018	72.05	2.15	7.80	1.30
2019	68.21	3.84	11.64	1.66
2020	74.05	-5.84	5.80	0.73
2021	65.54	8.51	14.31	1.59
2022	67.10	-1.56	12.75	1.28
2023	68.07	-0.97	11.78	1.07
2024	74.44	-6.37	5.41	0.45
FC-18936 (Rosenthal Livestock Well)				
2018	113.50	NA	NA	NA
2019	113.15	0.35	0.35	0.35
FC-20871 (Eno Well 106)				
2021	119.34	NA	NA	NA
2022	117.96	1.38	1.38	1.38
2023	123.83	-5.87	-4.49	-2.25
2024	127.44	-3.61	-8.10	-2.70
FC-22069 (Eno Well 110)				
2014	35.60	NA	NA	NA
2022	24.41	11.19	11.19	1.40
2023	25.33	-0.92	10.27	1.14
2024	23.46	1.87	12.14	1.21