

**NTG
CID** **NORTH TEXAS
GROUNDWATER
CONSERVATION
DISTRICT**

Well Monitoring 2024

57 Wells

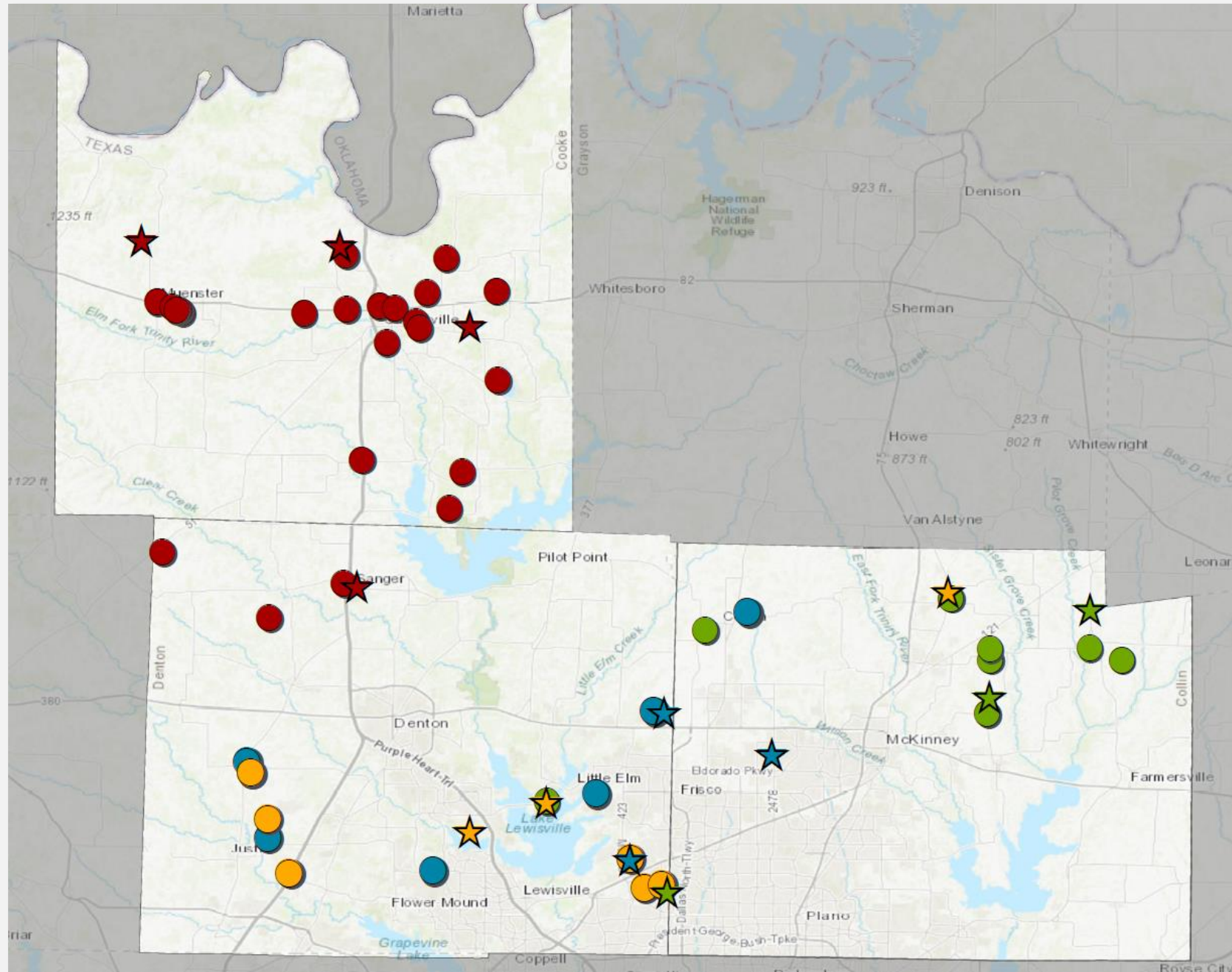
27 Antlers

9 Paluxy

10 Twin Mtns

11 Woodbine

13 Probes (★)



Mean Well Level Changes (ft)

Location	2020-2021	2021-2022	2022-2023	2023-2024
Districtwide	-1.1	8.0	-11.0	-10.9
Trinity	-3.0	9.7	-10.9	-10.7
Woodbine	9.5	2.7	-11.0	-11.8
Collin	4.0	1.5	-11.3	-14.0
Cooke	-5.7	13.2	-8.7	-8.9
Denton	3.2	-0.5	-14.7	-11.7

CONTINUOUS MONITORING



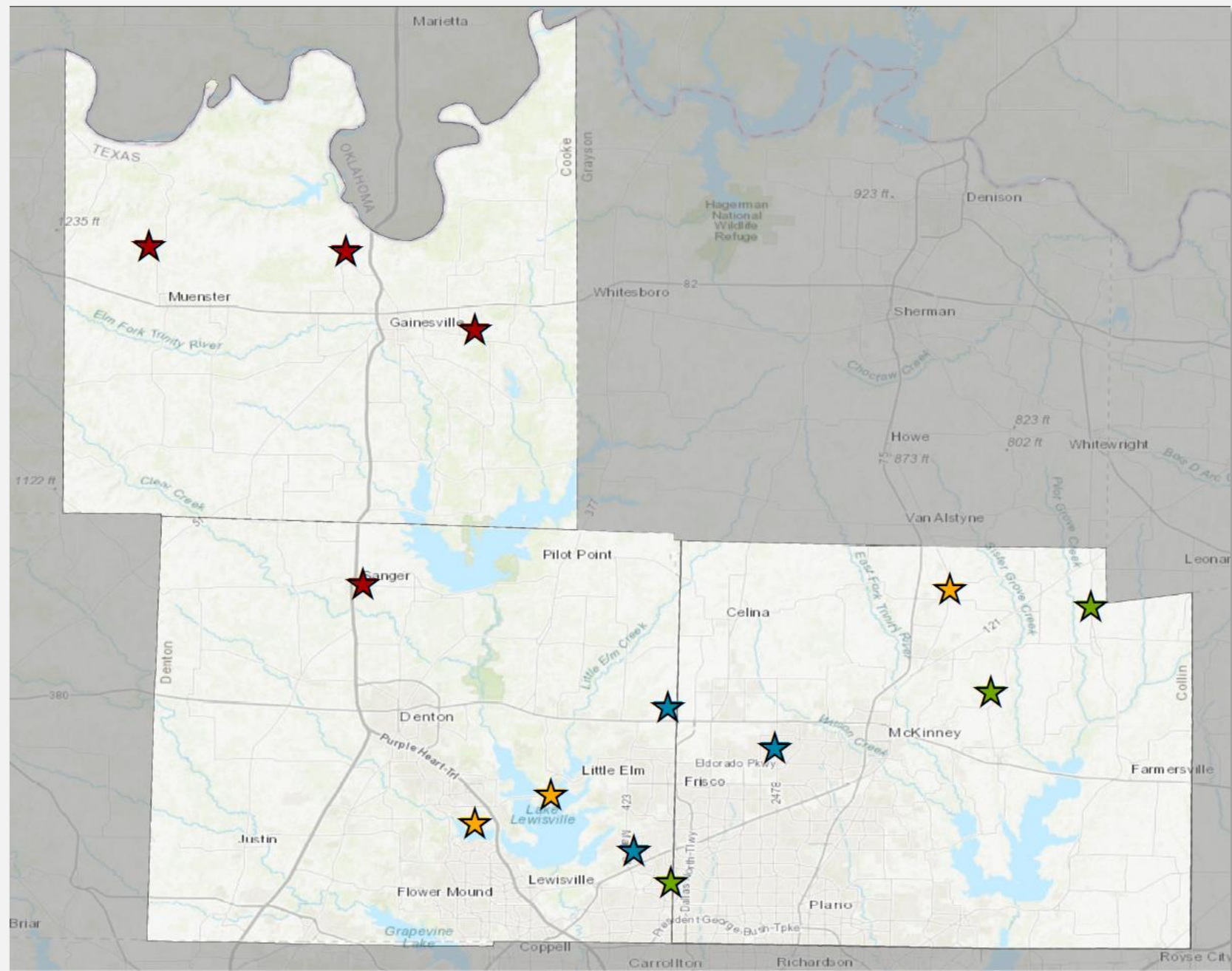
Probe Deployments

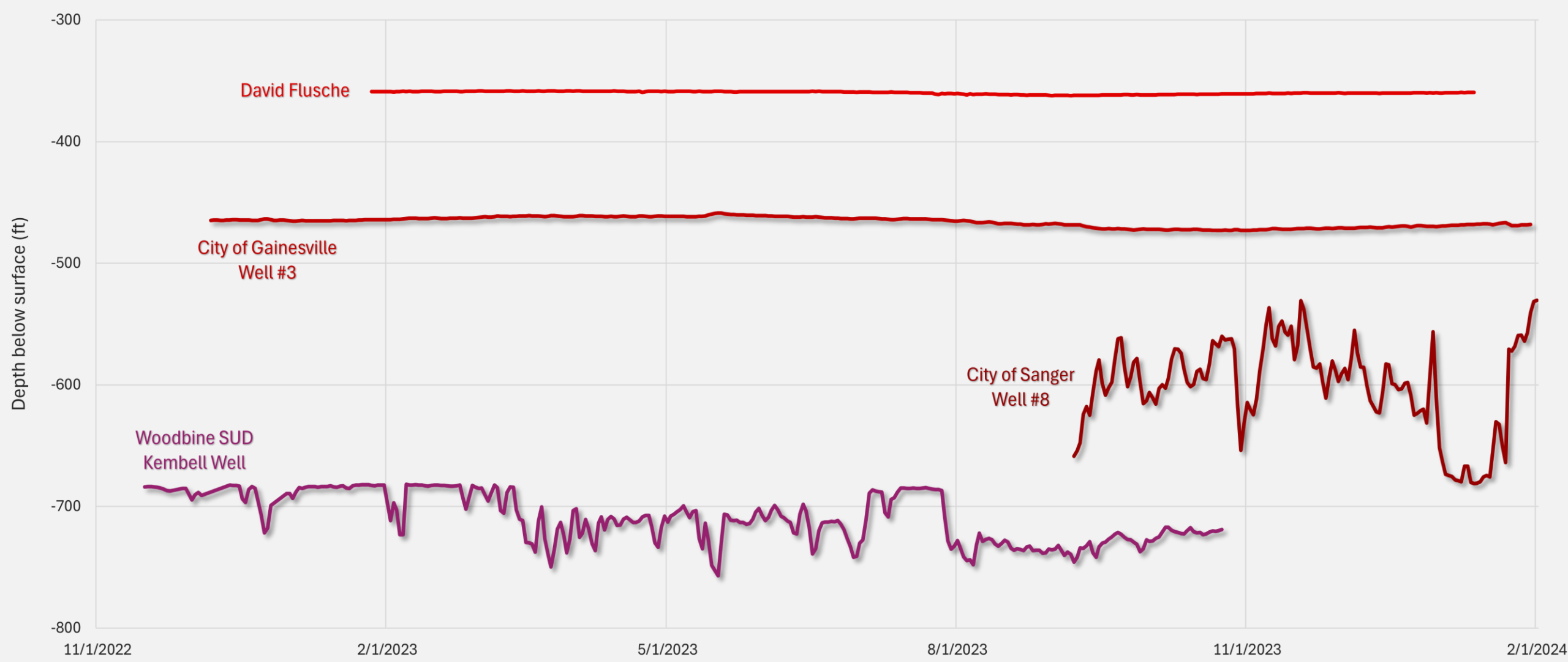
4 Antlers

3 Paluxy

3 Twin Mtns

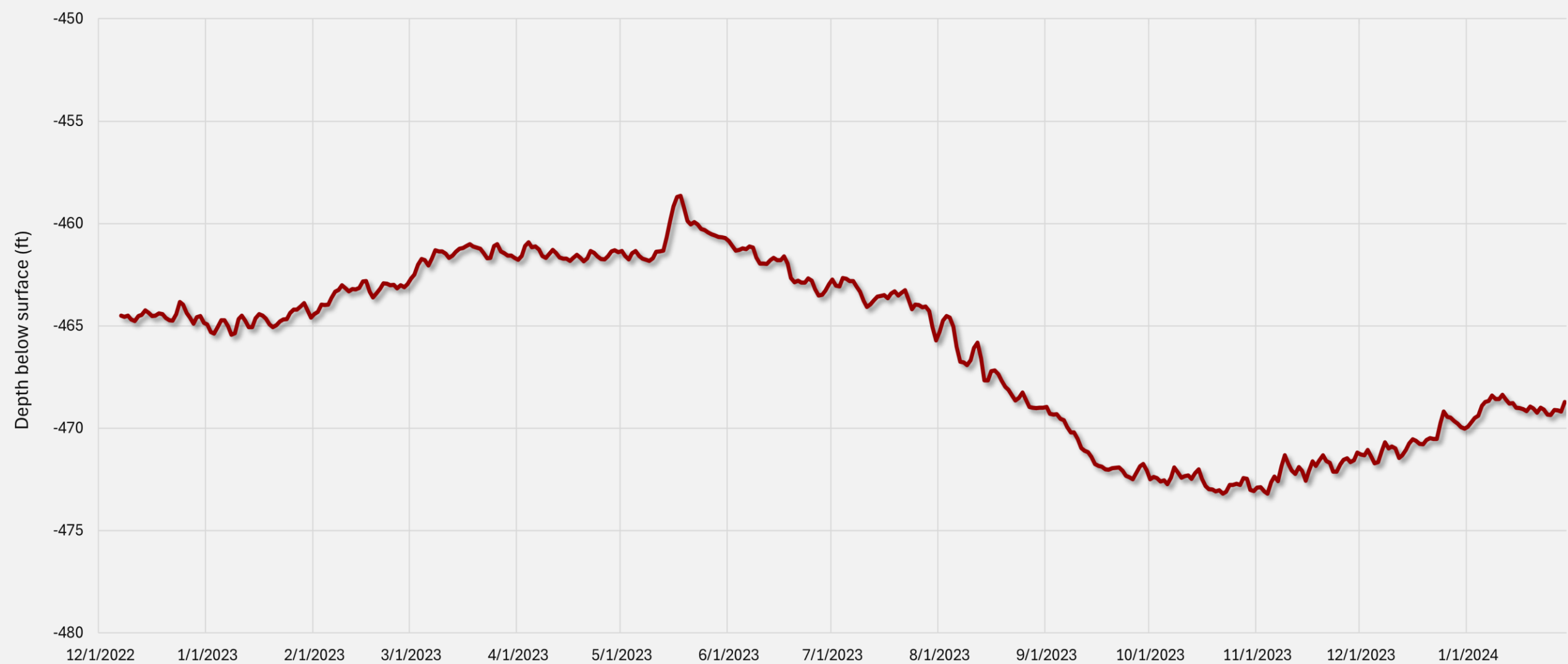
3 Woodbine





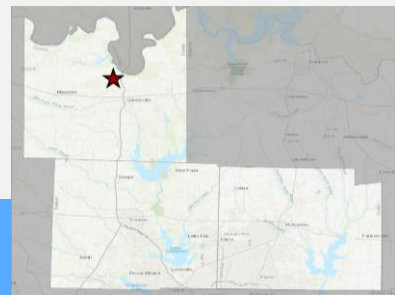
Antlers Probe Data – Daily Mean

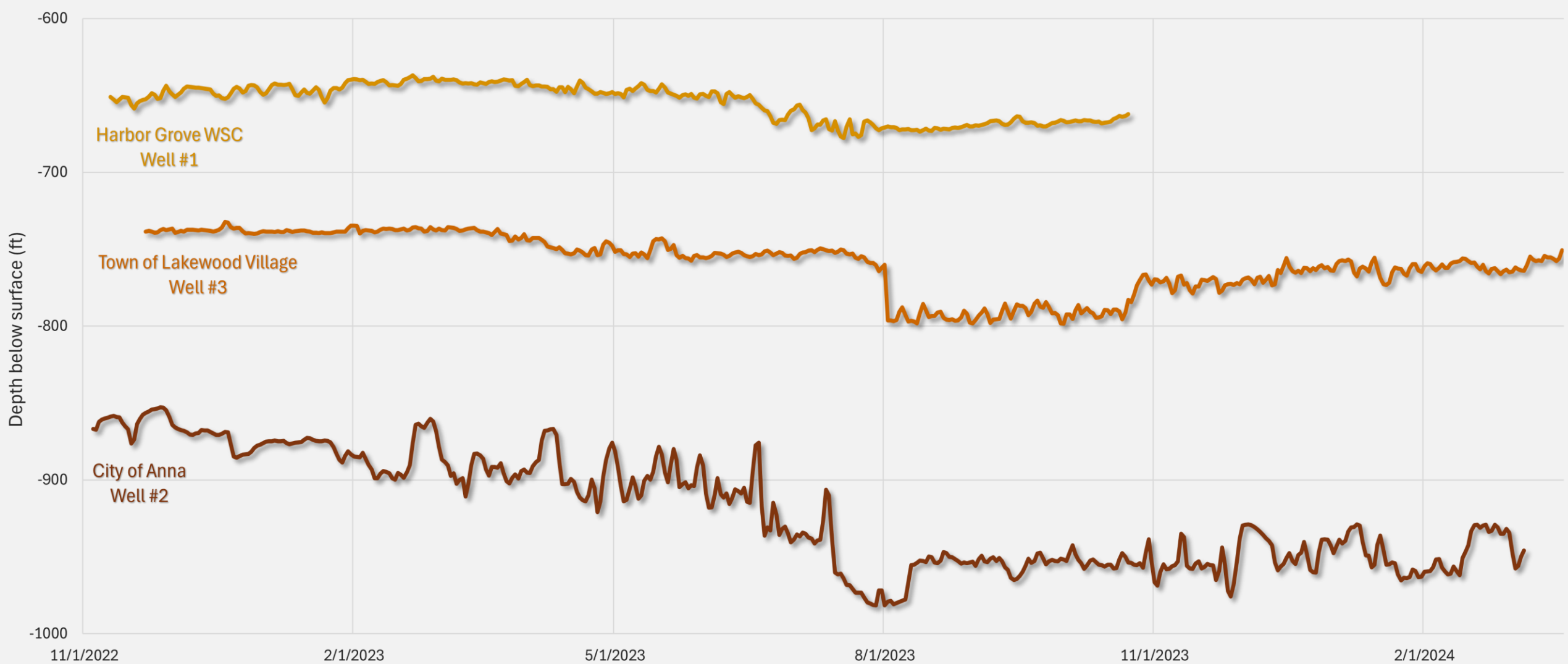




City of Gainesville Well #3 (Antlers)

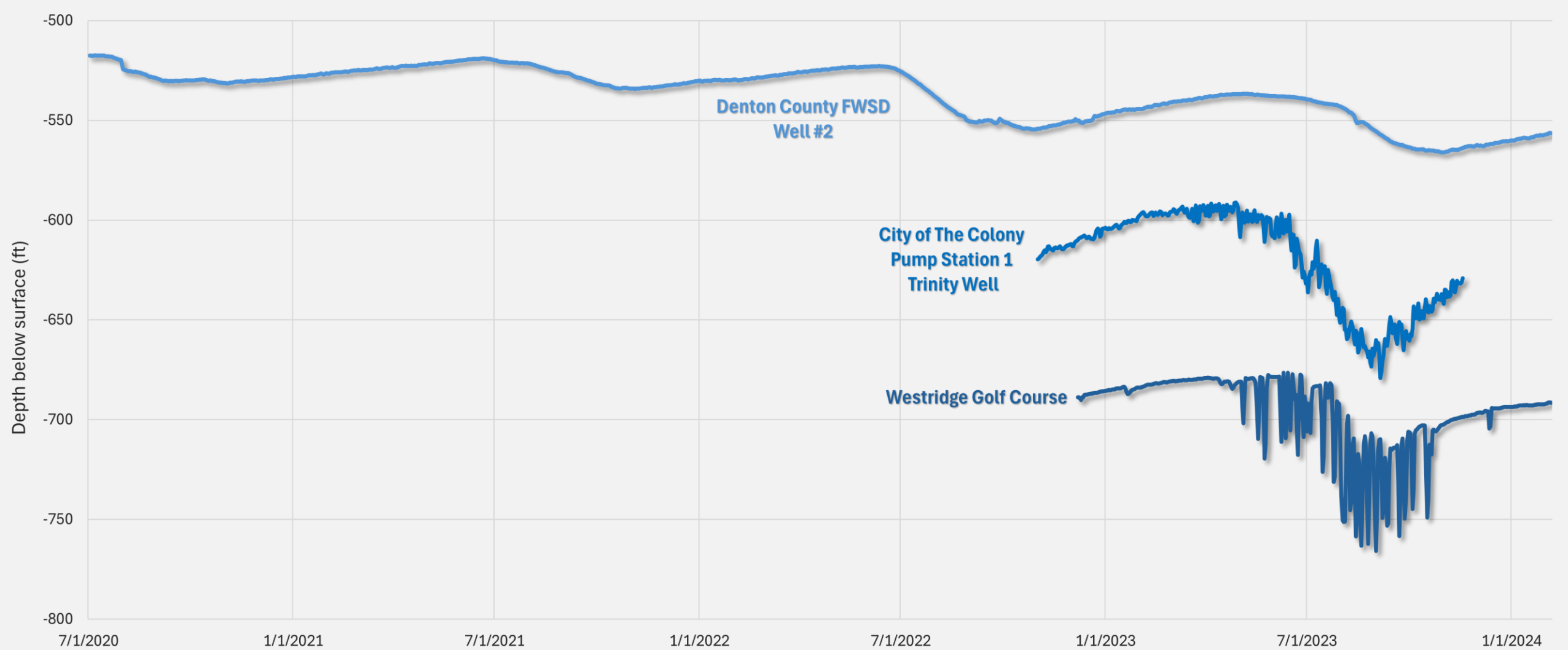
Daily Mode of Depth



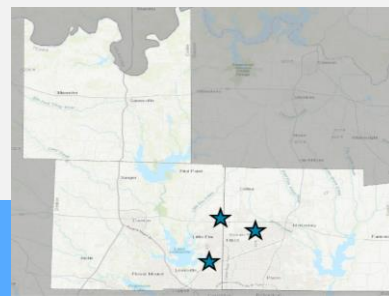


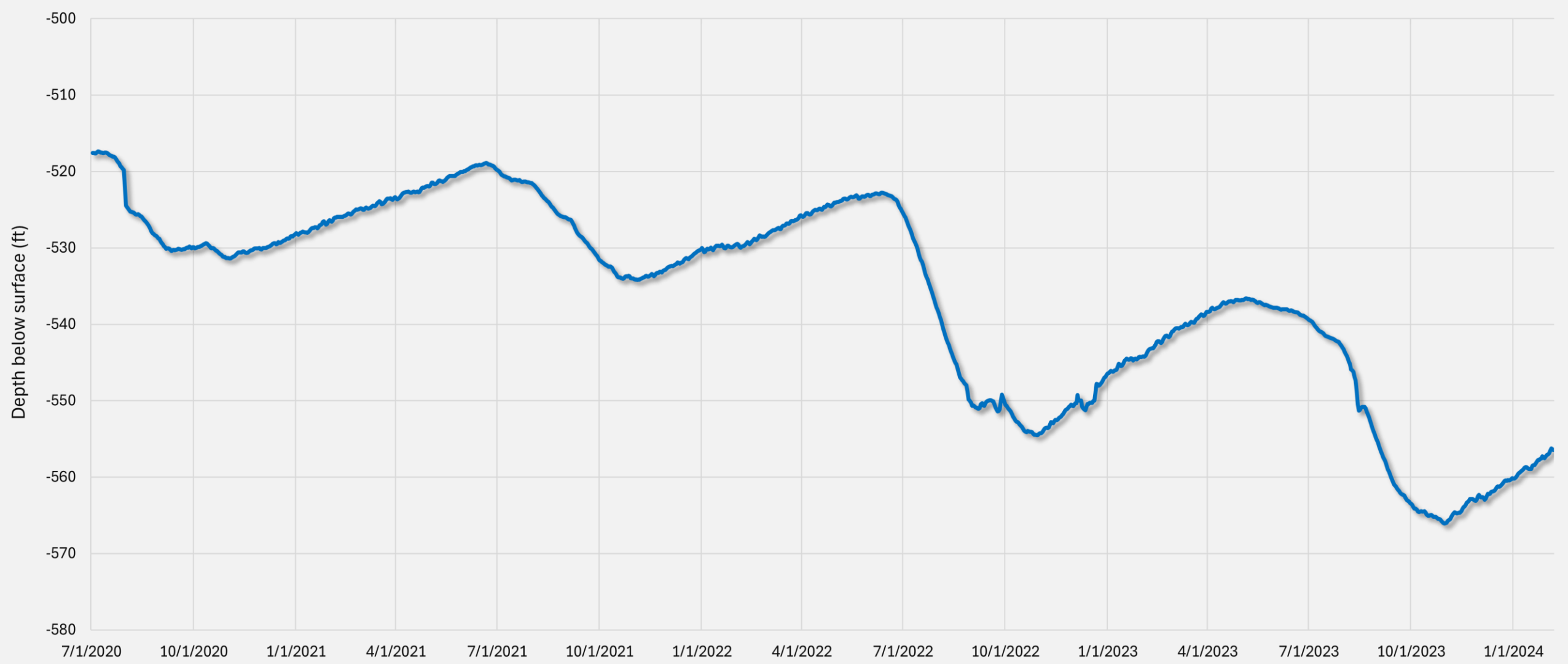
Paluxy Probe Data – Daily Mean





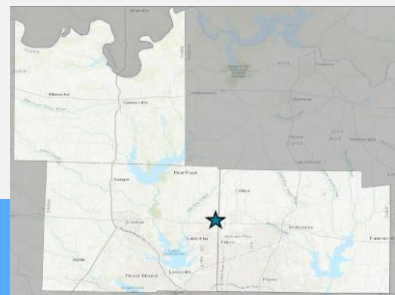
Twin Mountains Probe Data – Daily Mean





Denton County FWSD Well #2 (Twin Mtns)

Daily Mode of Depth





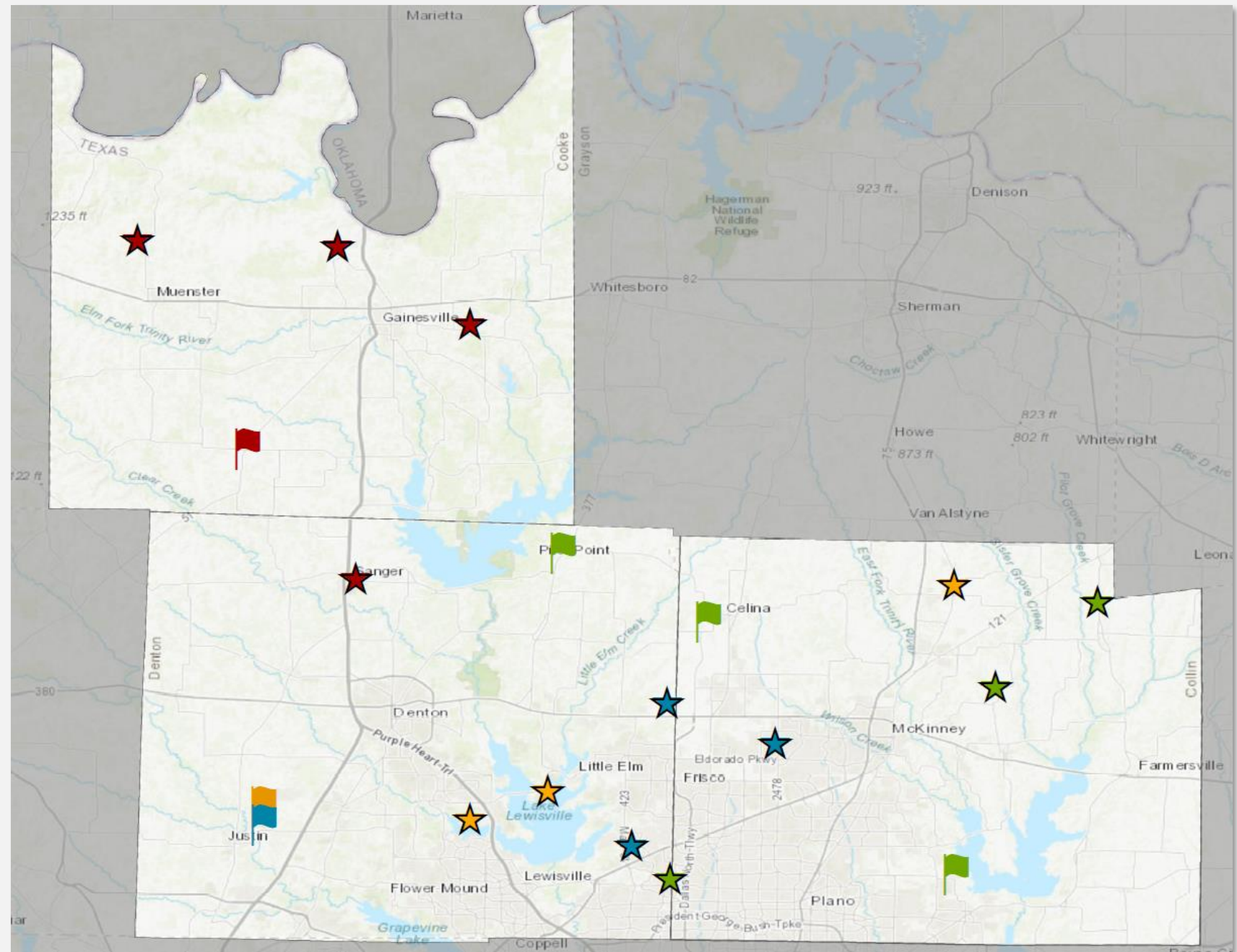
Woodbine Probe Data – Daily Mean



PROBE PERFORMANCE

- Accounts for 4 out of 5 'spot shot' measurements
- Can find depth within 1 minute
- May read 1-2' off from a tape
- Billingsley probe integrated with well's remote monitoring telemetry
- Susceptible to erroneous reads due to sonic nature
- Gaps in data log must be found manually
- Ongoing maintenance:
 - 2 repaired from lightning damage and moisture accumulation in microphone
 - 1 battery replaced

Candidates for Future Probe Deployments



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