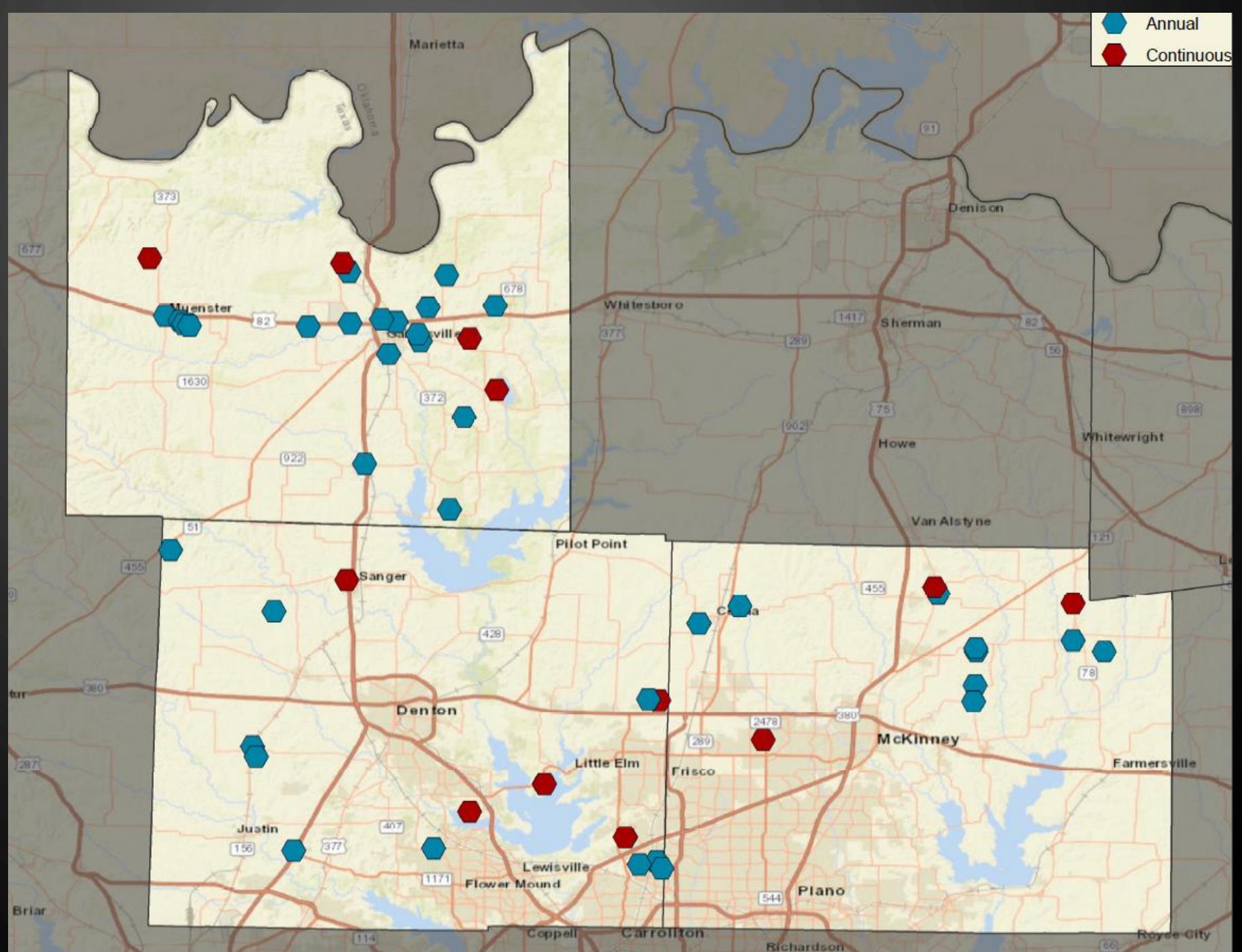


# WELL MONITORING 2023

53  
WELLS

41  
ANNUALLY  
MEASURED

12  
CONTINUOUSLY  
MONITORED



# Well Level Changes 2021-2022

## MEAN CHANGES

Districtwide:  
+8.3 ft

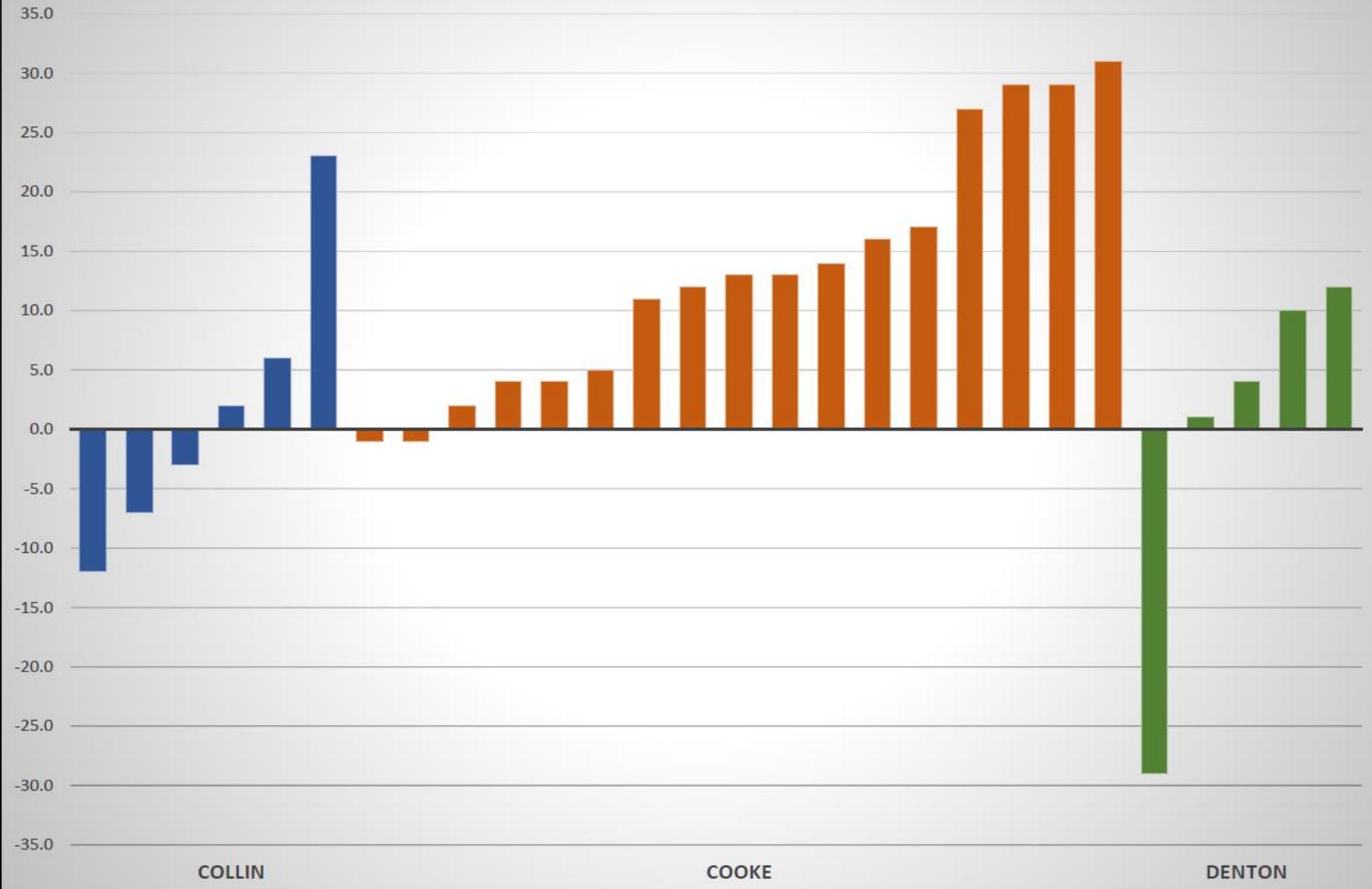
Collin:  
+1.5 ft

Cooke:  
+13.2 ft

Denton:  
+0.4 ft

Trinity:  
+10.1 ft

Woodbine:  
+1.5 ft



# Well Level Changes 2022-2023

## MEAN CHANGES

Districtwide:  
-13.7 ft

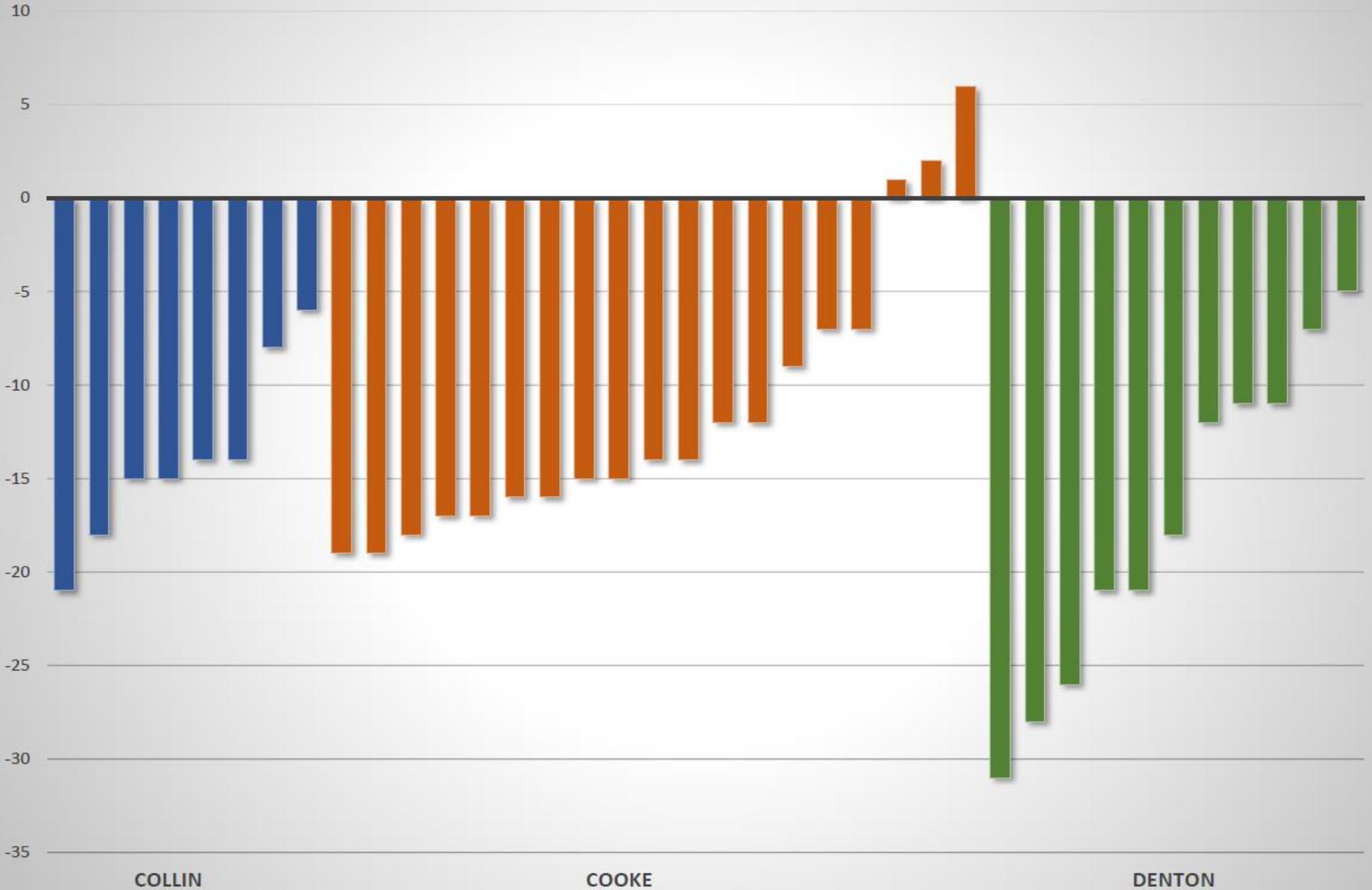
Collin:  
-13.9 ft

Cooke:  
-11.5 ft

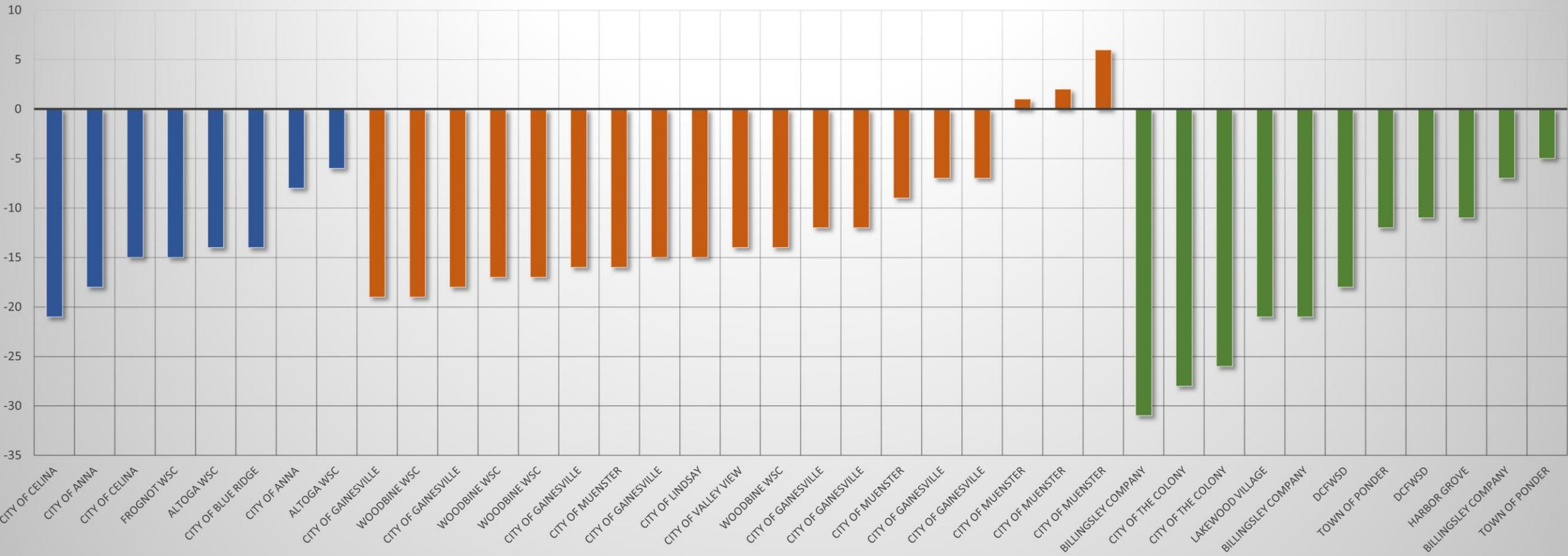
Denton:  
-17.4 ft

Trinity:  
-15 ft

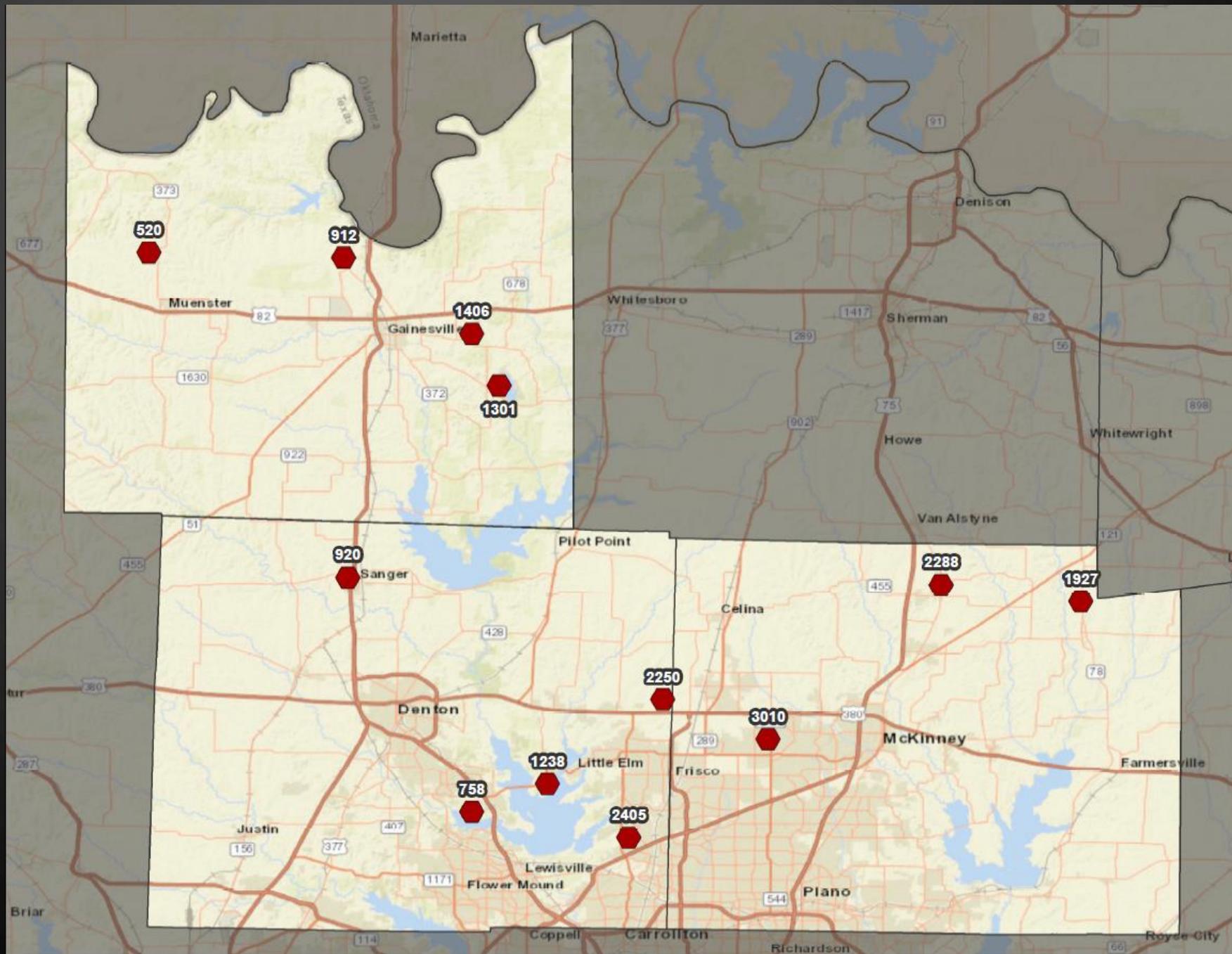
Woodbine:  
-14 ft



# Well Level Changes 2022-2023



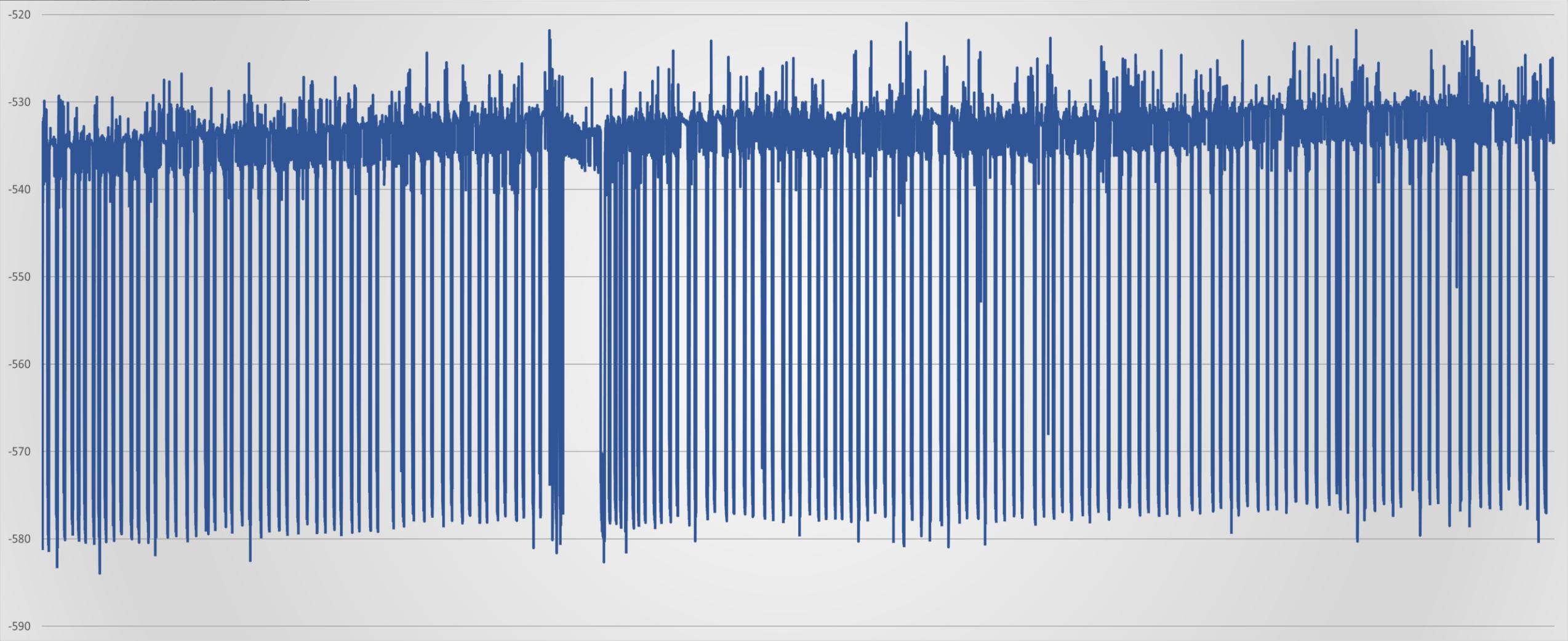
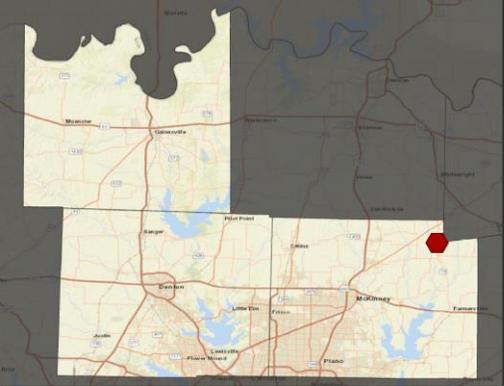
# WELL MONITORING PROBE DEPLOYMENTS





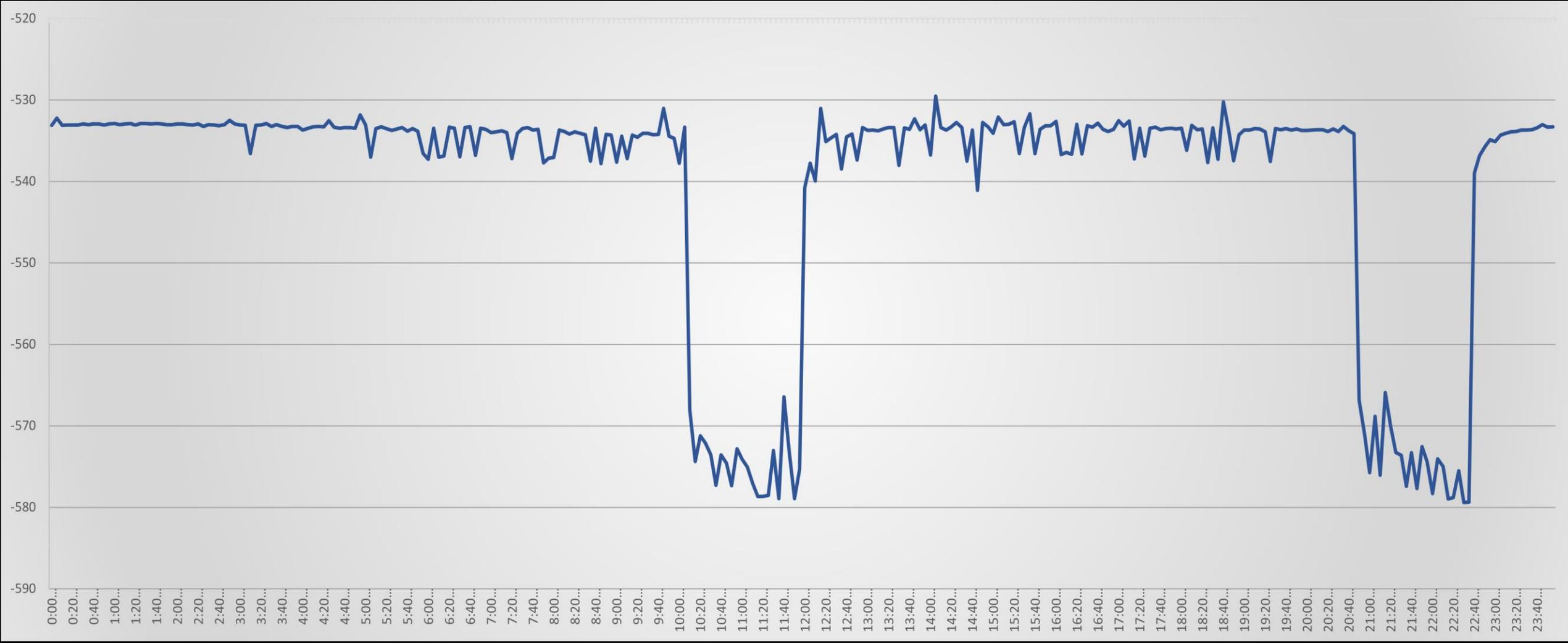
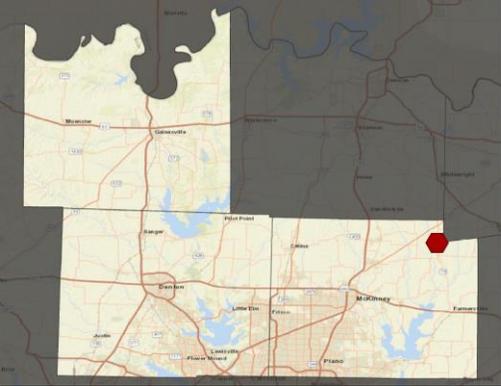
# FROGNOT WSC WELL #2

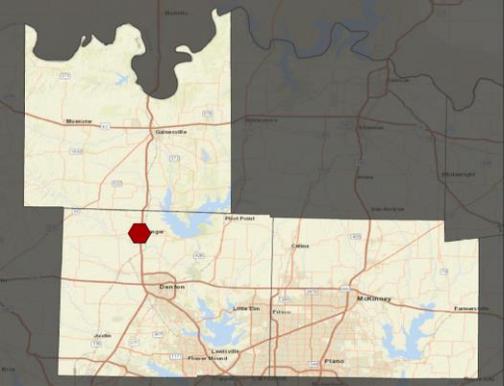
## 11/2022 – 3/2023



# FROGNOT WSC WELL #2

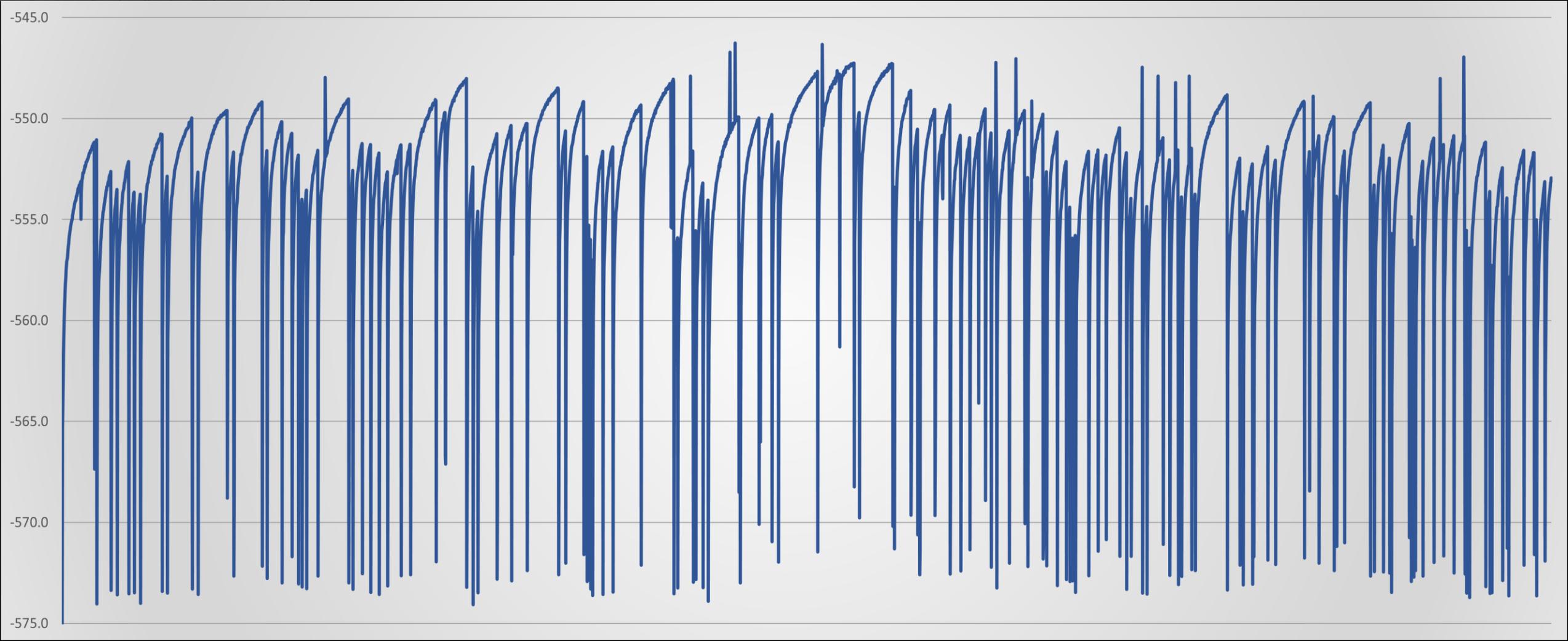
## 12/1/2022





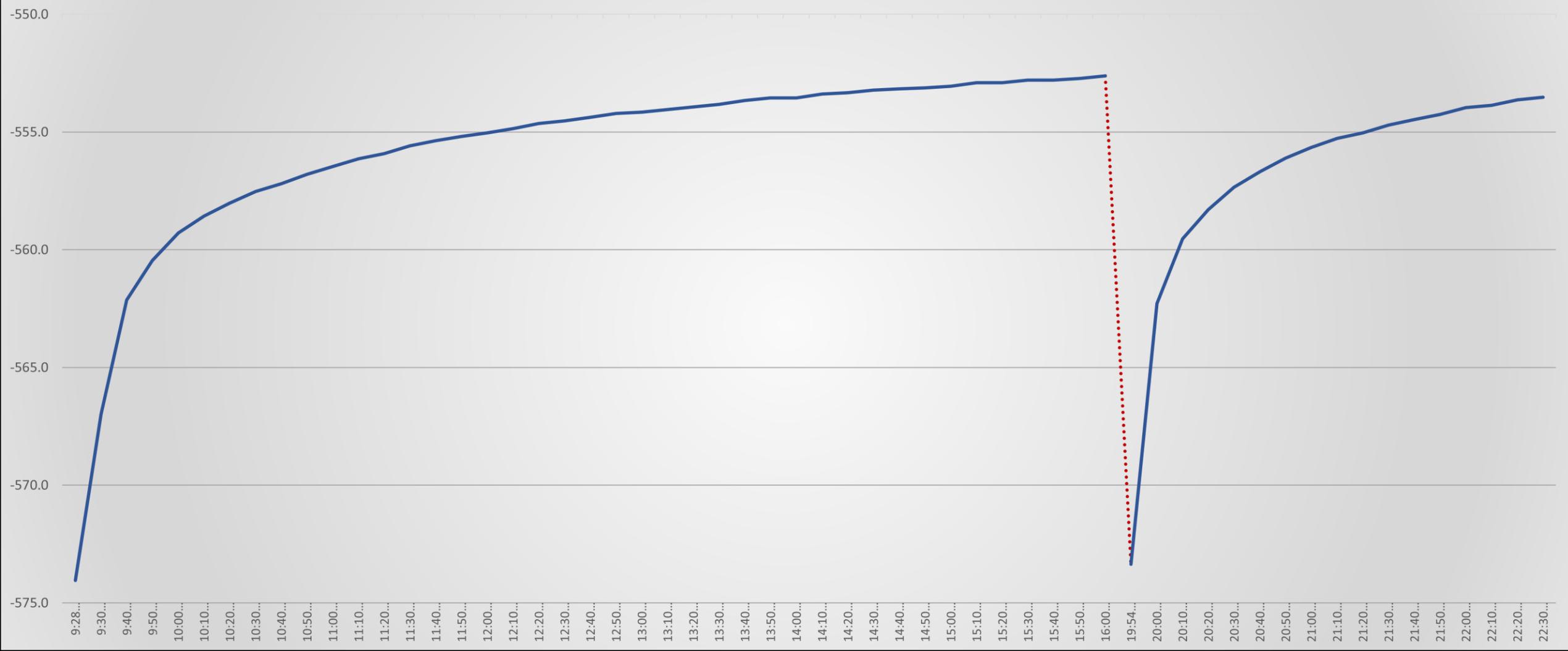
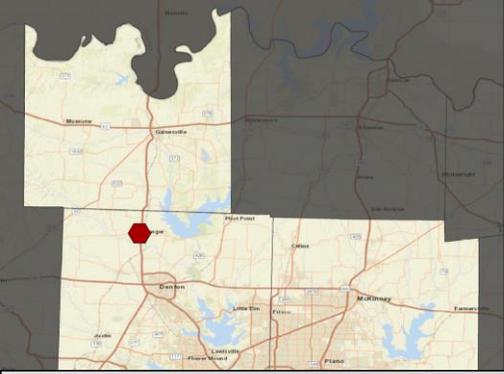
# CITY OF SANGER WELL #5

## 1/2023 – 3/2023



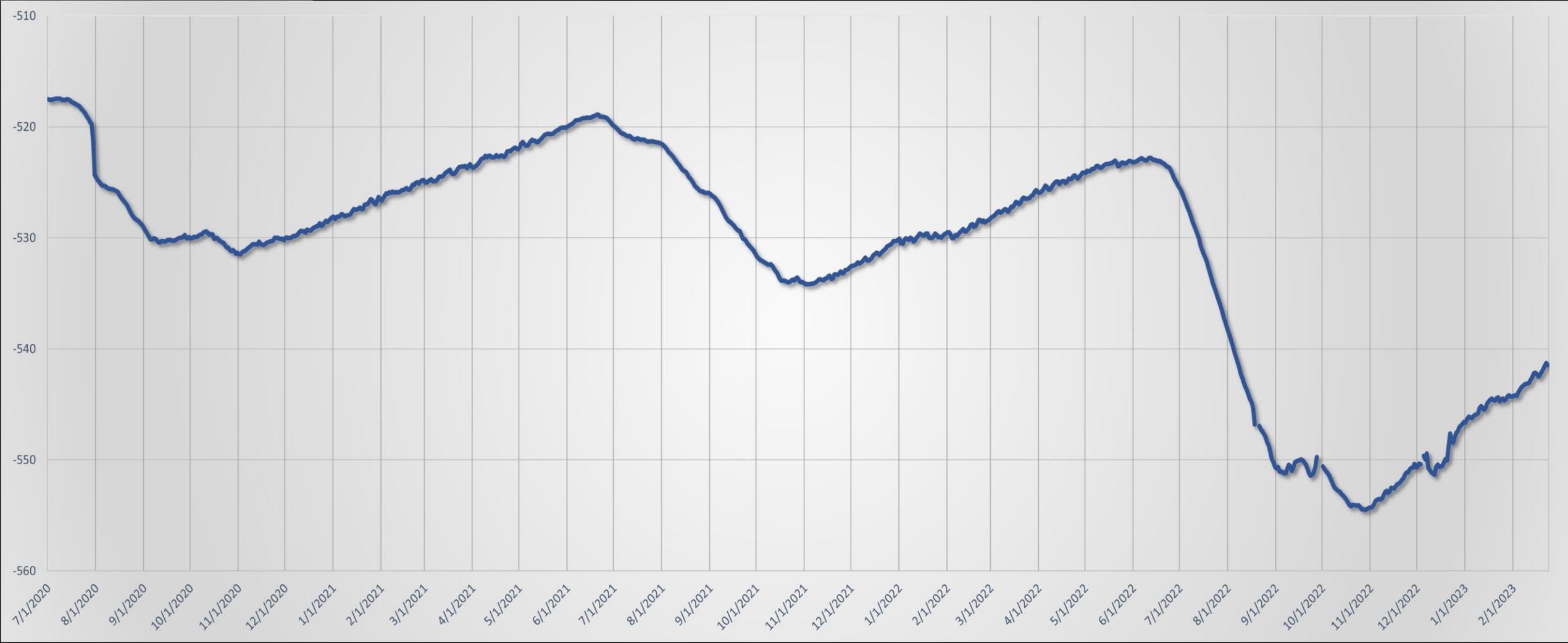
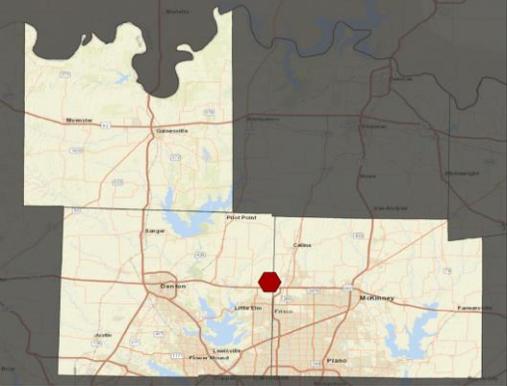
# CITY OF SANGER WELL #5

## 1/13/2023



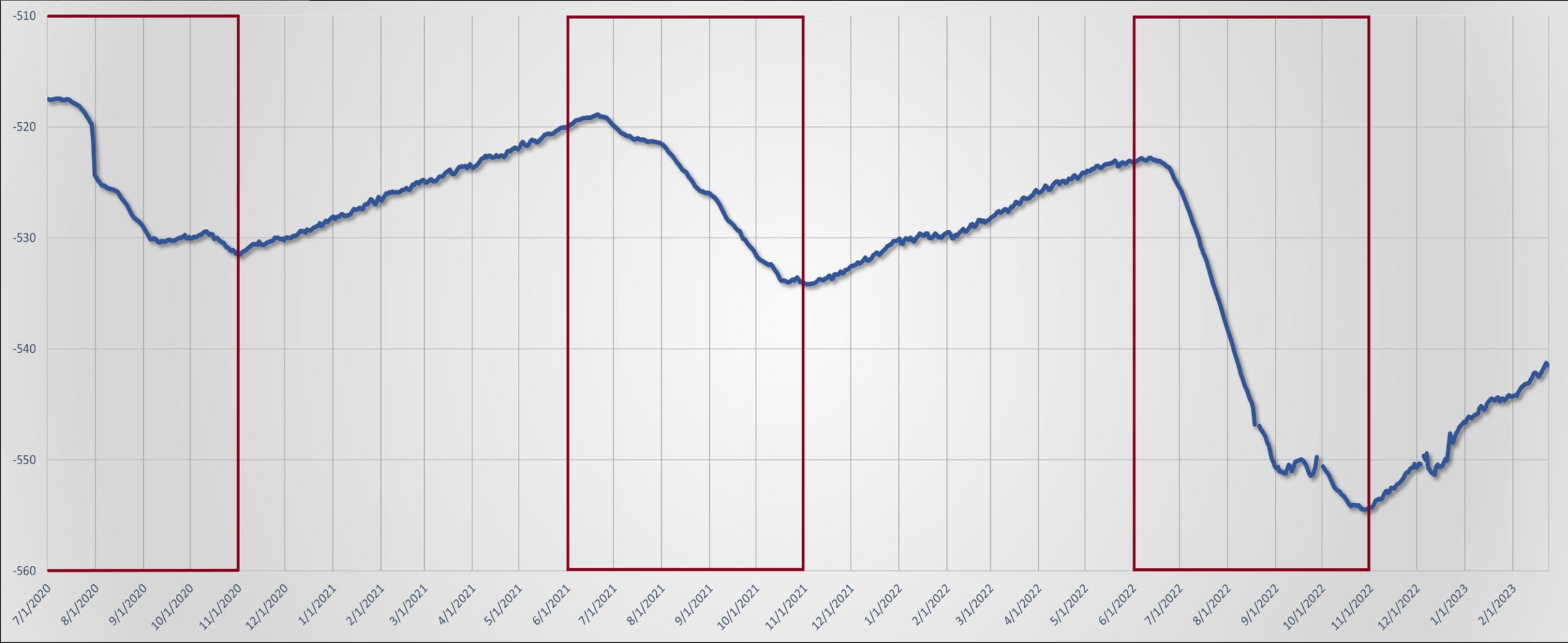
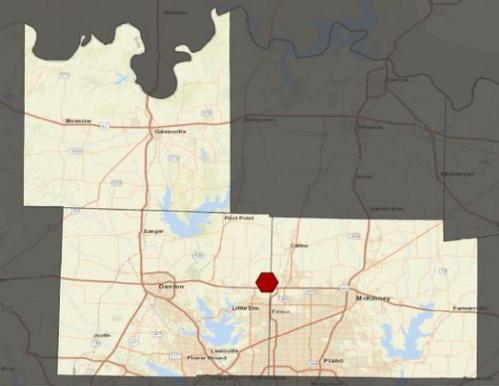
# DCFWSD WELL #2

## DAILY MEAN: 7/2020 – 2/2023



# DCFWSD WELL #2

## DAILY MEAN: 7/2020 – 2/2023



# ADDITIONAL COSTS FOR PROBE INSTALLATION

- POSTS, WIRE, FITTINGS, ETC.
- AVERAGE OF \$72 PER WELL INSTALLATION
- TOTAL OF \$720 FOR 10 INSTALLATIONS

# PROBE CONSIDERATIONS

## PROS

- CAN FIND WATER LEVEL WITHIN 1 MINUTE
- LOGGED DATA EASY TO PULL & FORMAT
- NO EVIDENCE OF WEATHER RELATED DAMAGE OR LEAKS

## CONS

- MISSES ~25% OF DATA ON AVERAGE
  - OEM SOLAR CONTROLLER AUTO SHUTDOWN/STARTUP
  - WELL NOISE
- MAY READ A FEW FEET OFF DEPENDING ON THE WELL (VS STEEL TAPE)