Kinney County Groundwater Conservation District Monitoring Network

GROUNDWATER MONITORING NETWORK

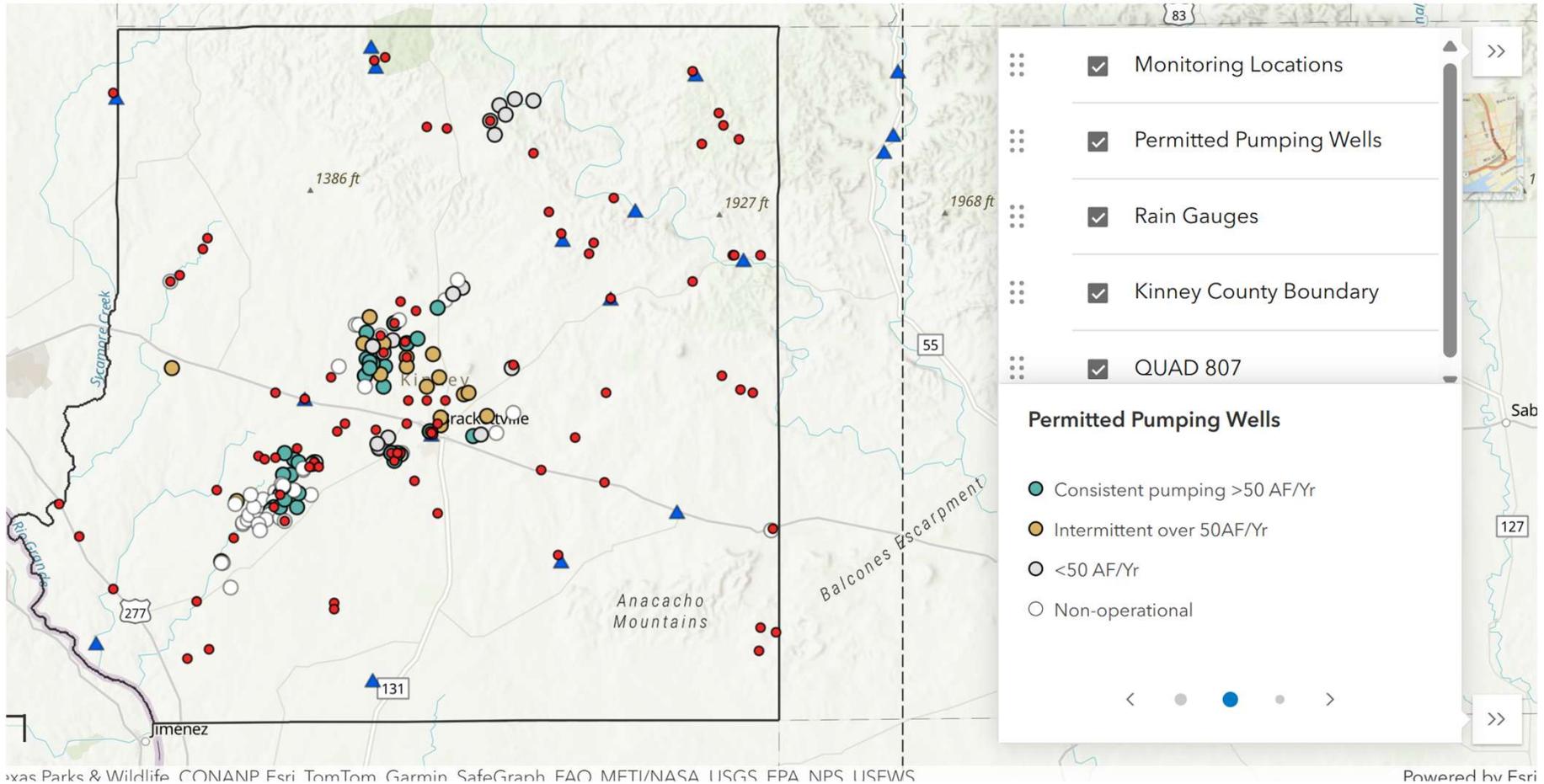KINNEY COUNTY GROUNDWATER CONSERVATION DISTRICT

Kinney County Groundwater Conservation District
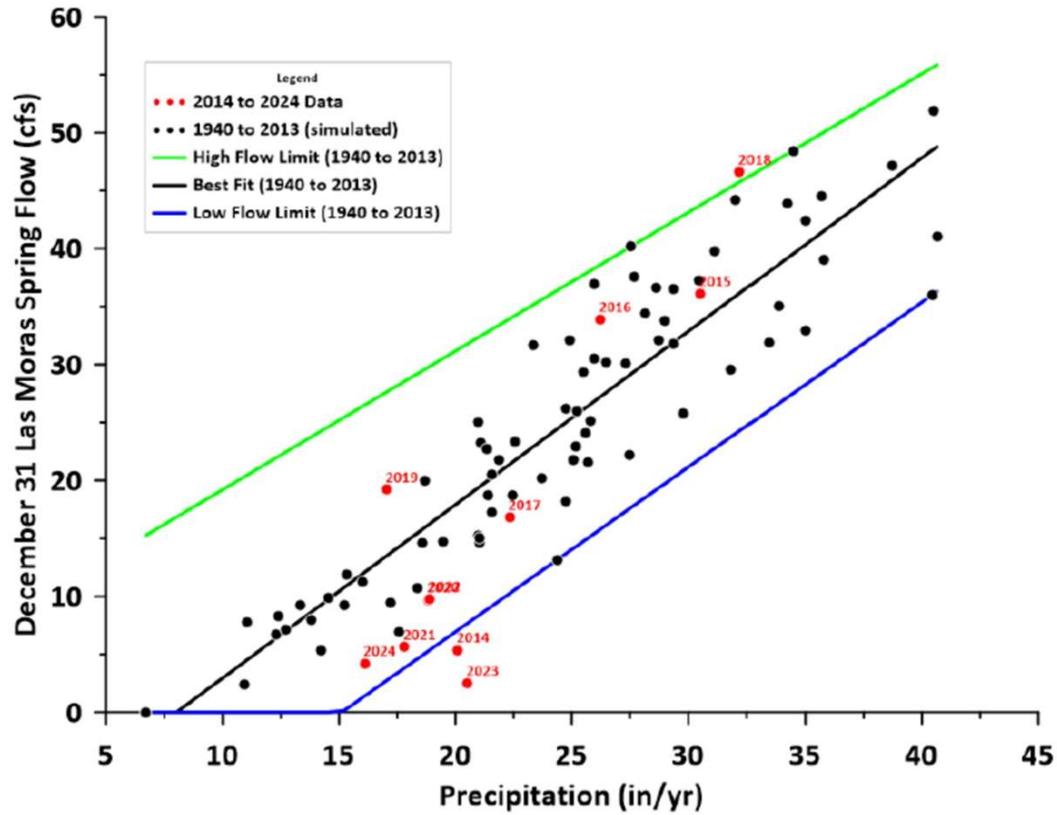
Prepared by

Jim Burton
October 28, 2025

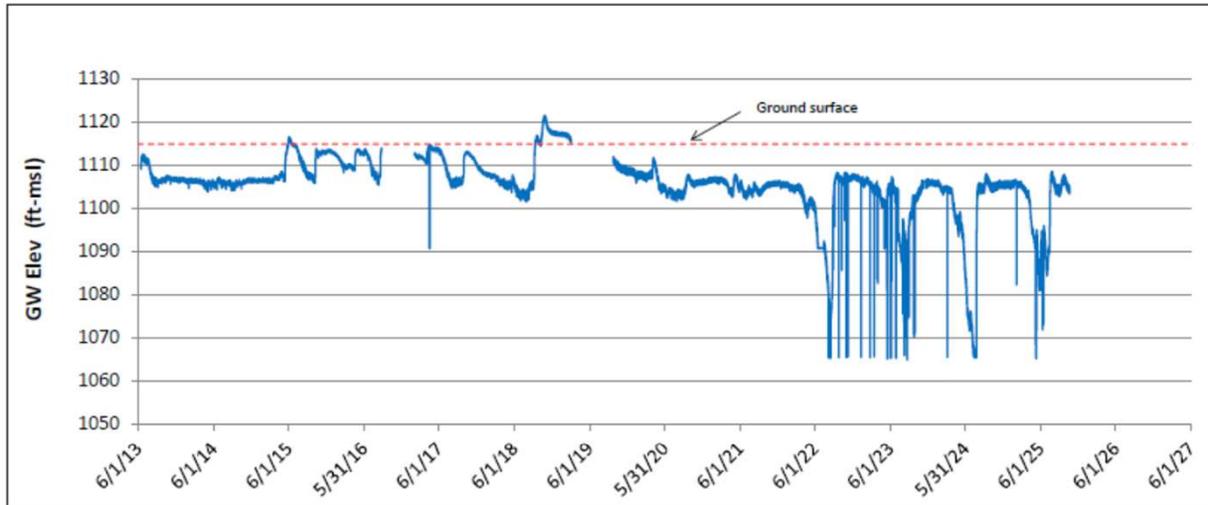Groundwater Conservation District Well and Rain Gauge Network

Annual Precipitation (Quad 807) vs. December 31 Las Moras Spring Flow (New Gage)

City Well No. 1

TD = 947 ft, RP = 1114 ft-msl, TPS, TWDB No. 7045503
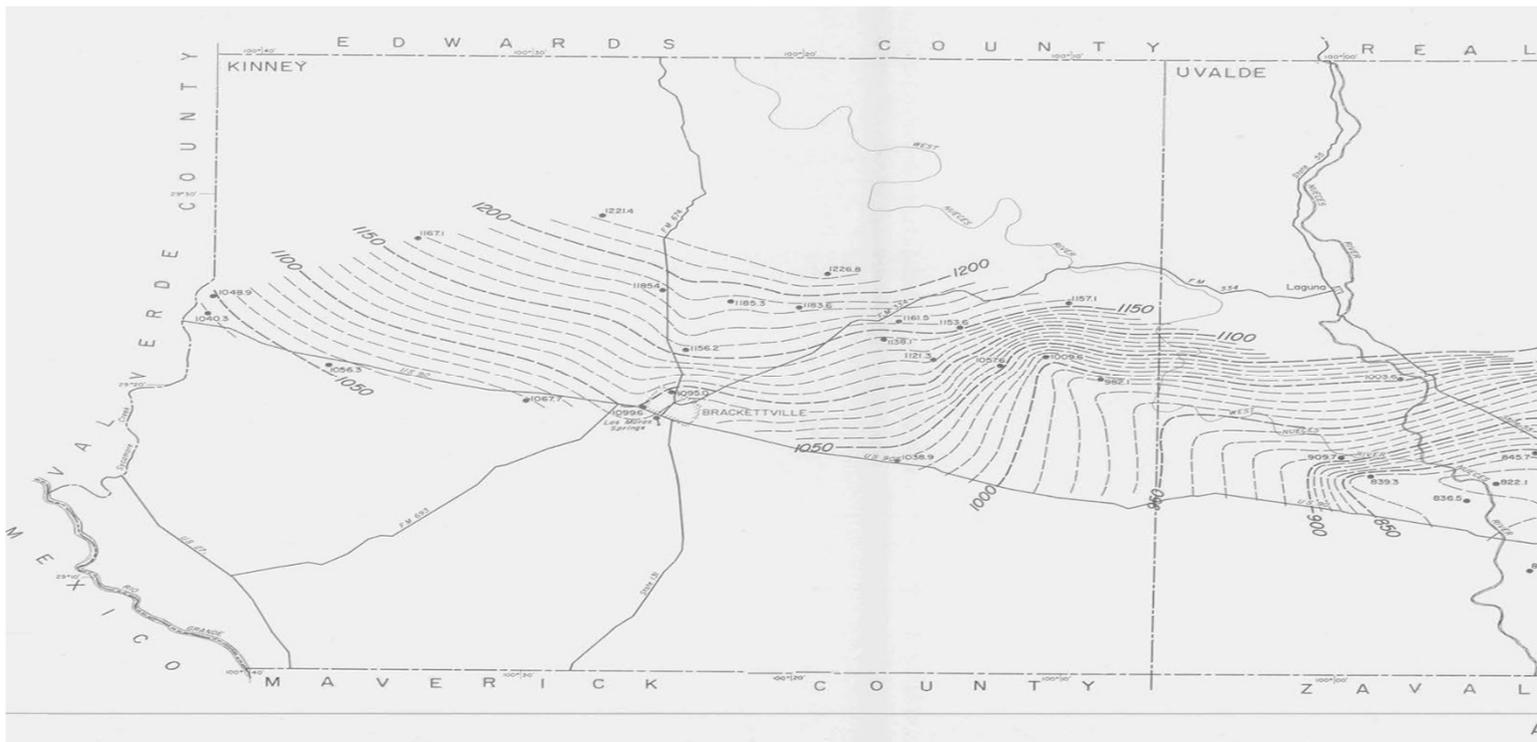
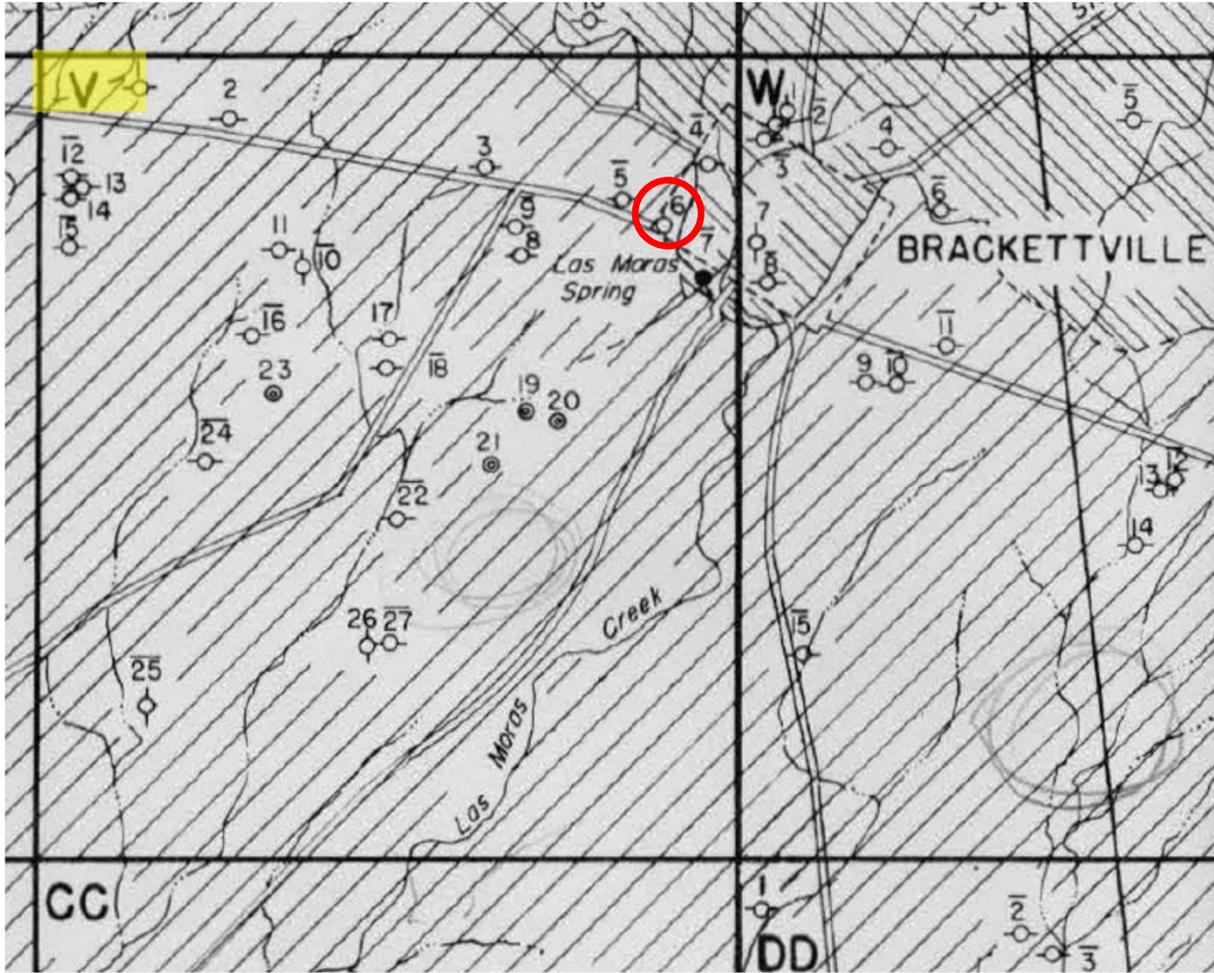GW Elevation (ft-msl)

EcoKai Environmental, Inc.

PRELIMINARY
10/26/2025

Kinney County Groundwater Conservation District (Map # 1)

Garza 1966 – San Antonio Area Texas
Progress Report on Studies 1960-64

Tracing Groundwater Flowpaths in Kinney County, Texas

Steve Johnson and Geary Schindel

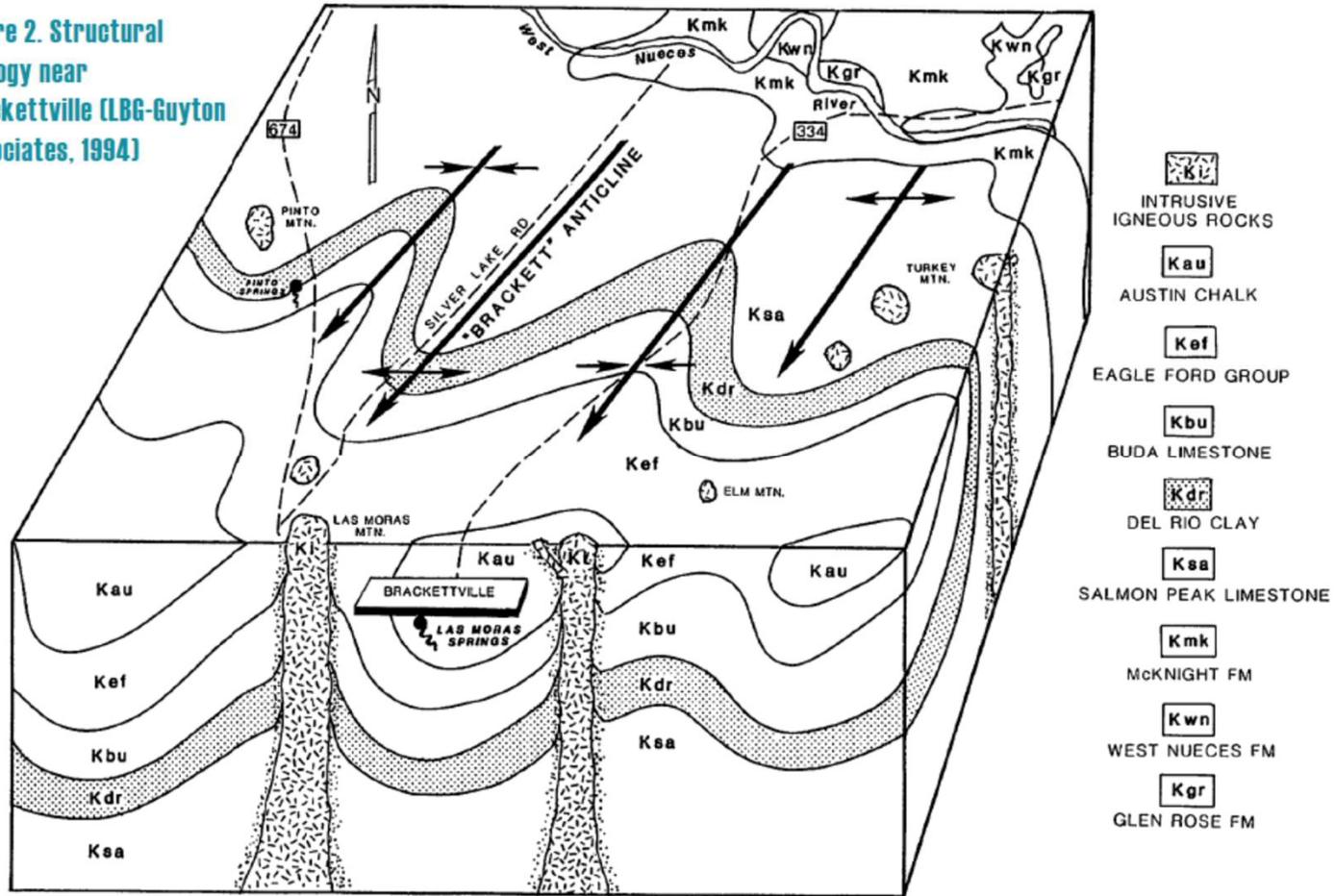### December 2015 / Report 15-02

Edwards Aquifer Authority
900 E. Quincy, San Antonio, Texas 78215

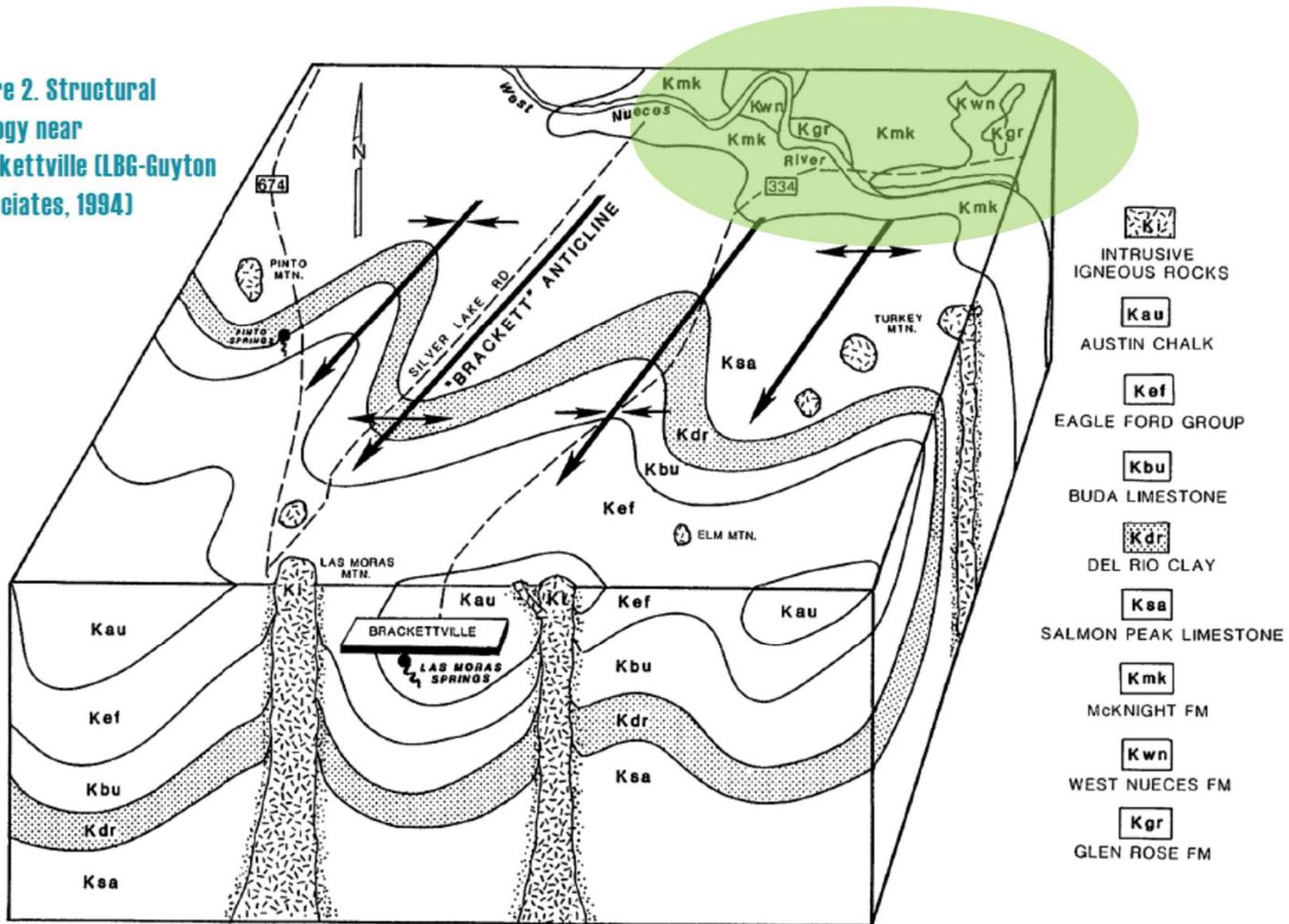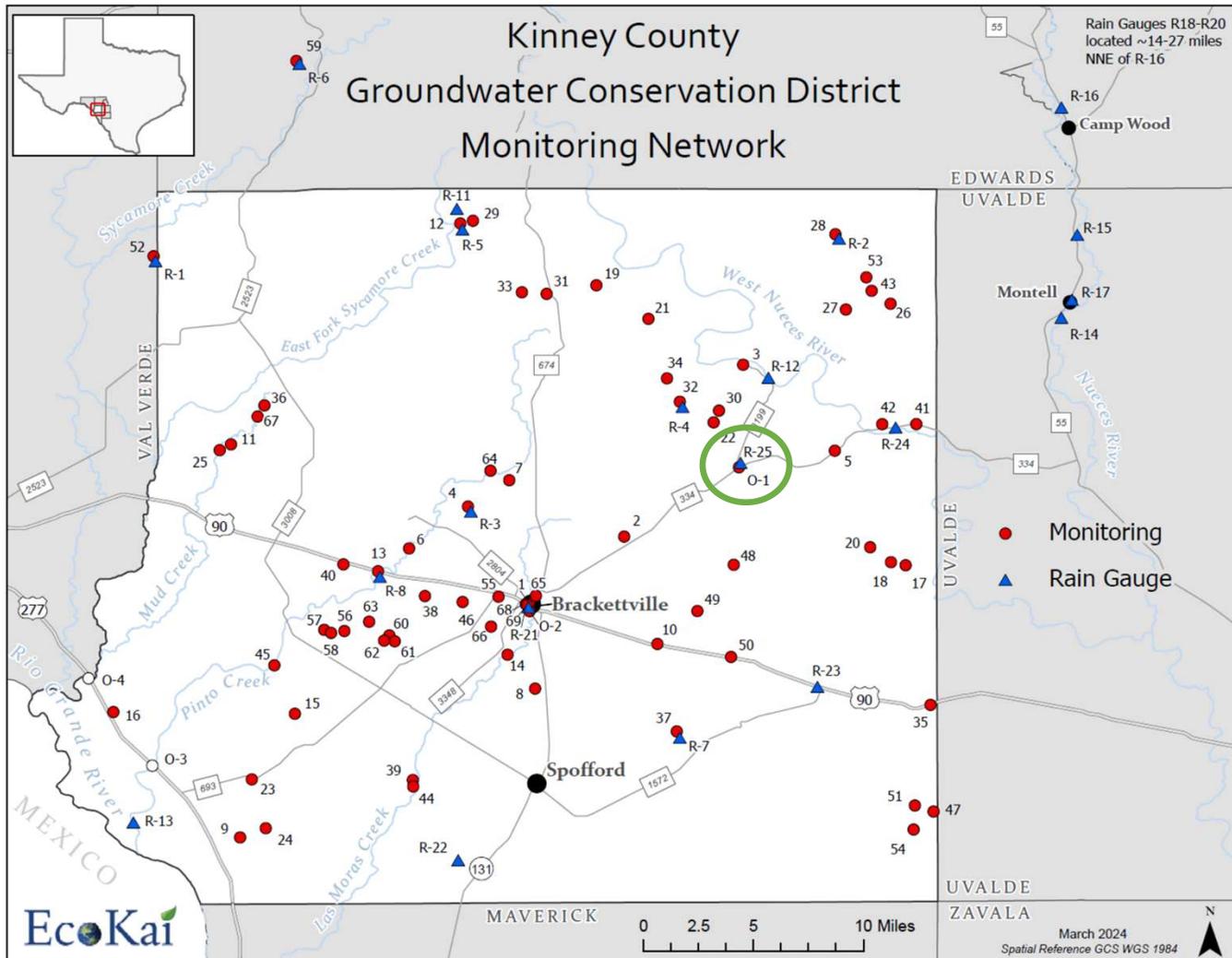Figure 2. Structural Geology near Brackettville (LBG-Guyton Associates, 1994)

Legend:
- Ki — INTRUSIVE IGNEOUS ROCKS
- Kau — AUSTIN CHALK
- Kef — EAGLE FORD GROUP
- Kbu — BUDA LIMESTONE
- Kdr — DEL RIO CLAY
- Ksa — SALMON PEAK LIMESTONE
- Kmk — McKNIGHT FM
- Kwn — WEST NUECES FM
- Kgr — GLEN ROSE FM
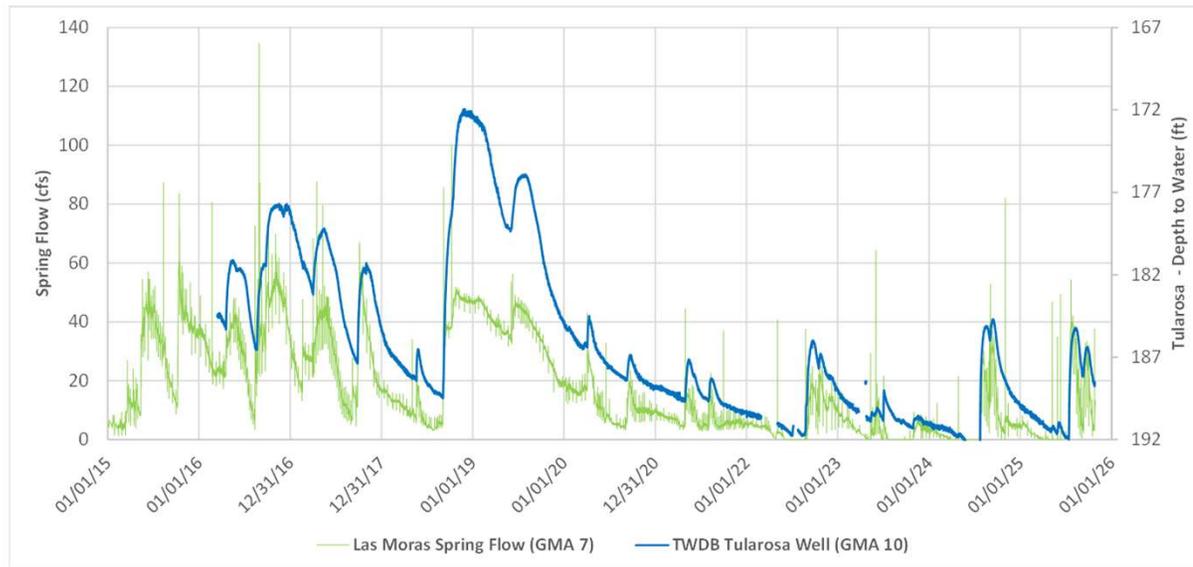
Figure 2. Structural Geology near Brackettville (LBG-Guyton Associates, 1994)

Kinney County Groundwater Conservation District Monitoring Network

Las Moras Spring Flow (cfs)
and
TWDB Tularosa Monitoring Well (DTW)

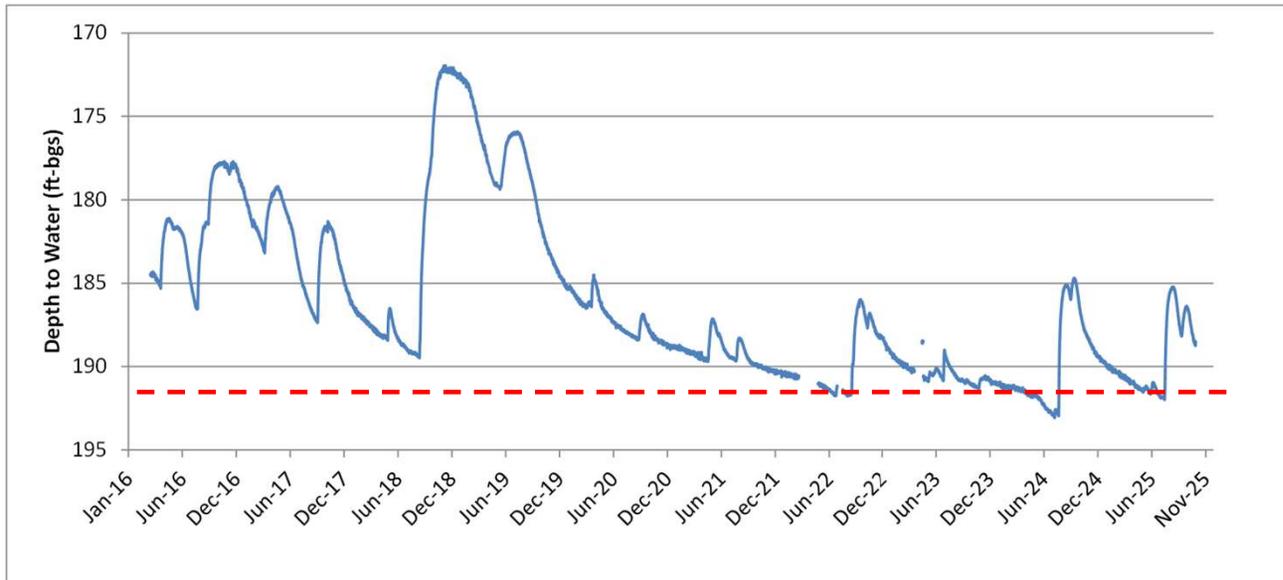EcoKai Environmental, Inc.   10/28/2025   Kinney County Groundwater Conservation District

Tularosa Well

TD = 775 ft, RP = 1382 ft-msl, Edwards BFZ, TWDB No. 7038902
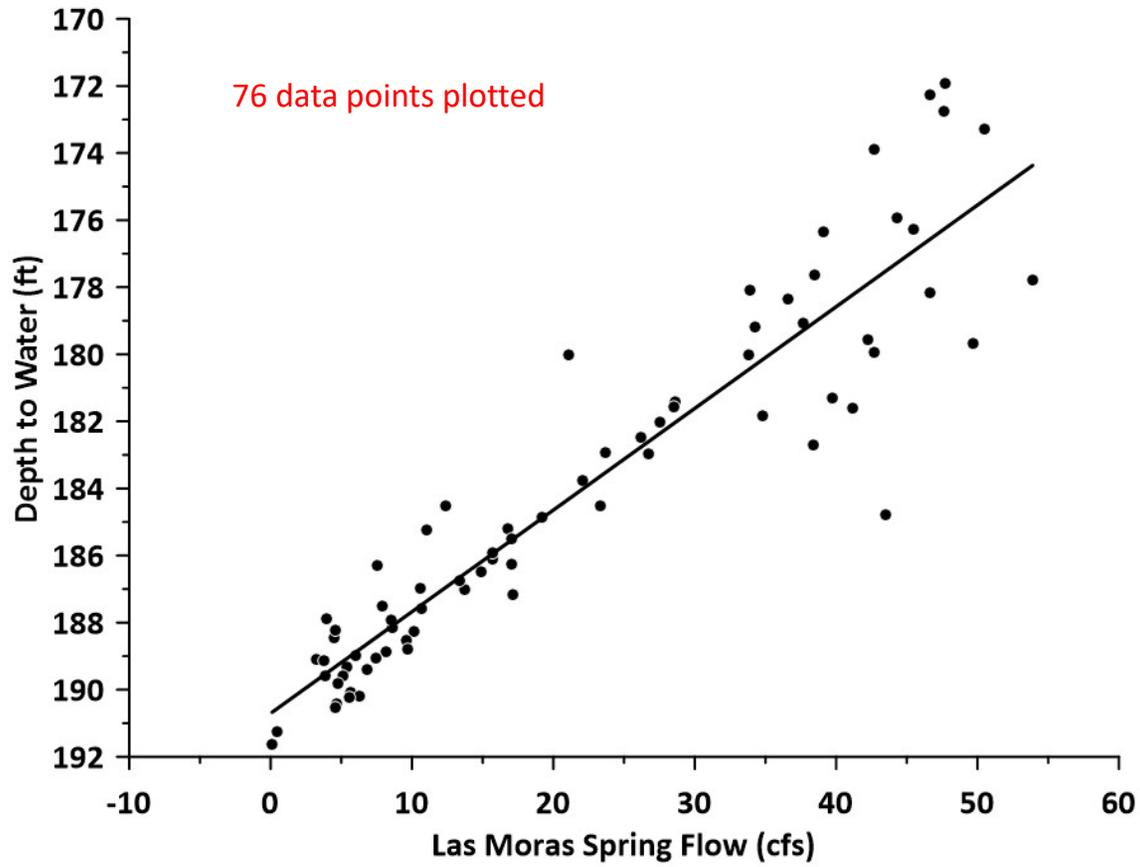### Depth to Water (ft-bgs)*

Las Moras Spring vs. Tularosa Well
End of Month - March 2016 to June 2022

76 data points plotted

Tularosa DTW (ft-bgs) / Las Moras Creek Flow (cfs)

Approx. 12,000 of 78,000 data points plotted

$R^2 = 0.8687$
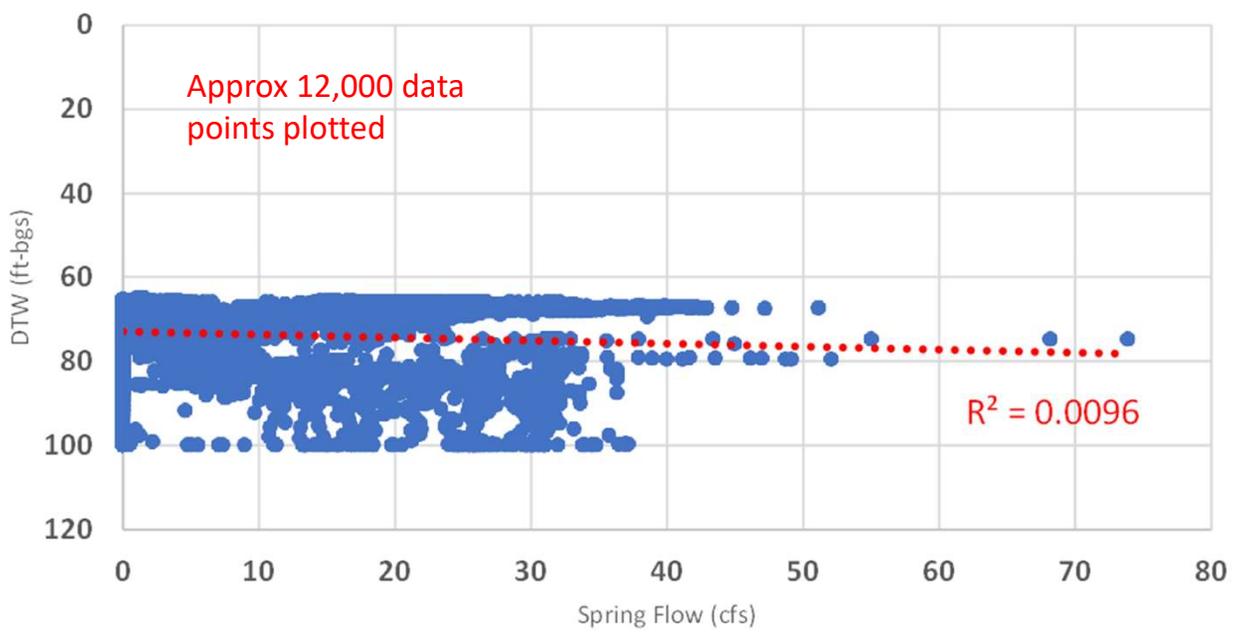
DTW (ft-bgs)

Las Moras Spring Flow (cfs)

Las Moras Springs Conceptual Diagram
From Bennett and Sayre (1962, Figure 6, pg. 72)

Permitted Wells

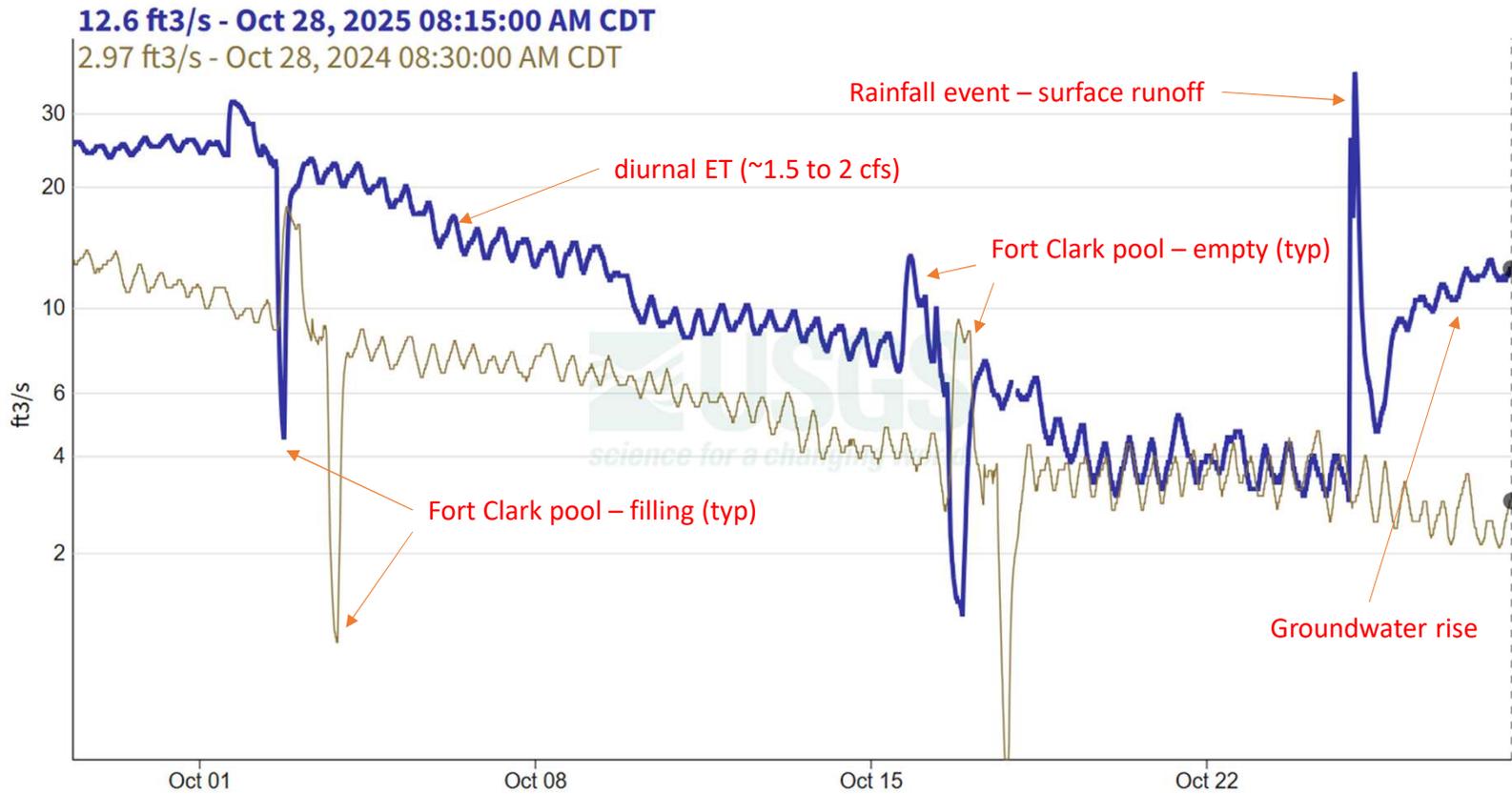Austin Chalk v Las Moras Spring FLow

Approx 12,000 data points plotted

R² = 0.0096

DTW (ft-bgs)

Spring Flow (cfs)

QUESTIONS