

Kinney County Groundwater

Conservation District - Monitoring Network

Automated Water Monitoring Network Data Package

for

Board of Directors Meeting

November 13, 2024

6:00 pm

Prepared by
EcoKai Environmental, Inc
November 10th, 2024

Kinney County Groundwater Conservation District Monitoring Network

Rain Gauges R18-R20
located ~14-27 miles
NNE of R-16

R-16
Camp Wood

EDWARDS
UVALDE

UVALDE
ZAVALA

MAVERICK

VAL VERDE

UVALDE

UVALDE

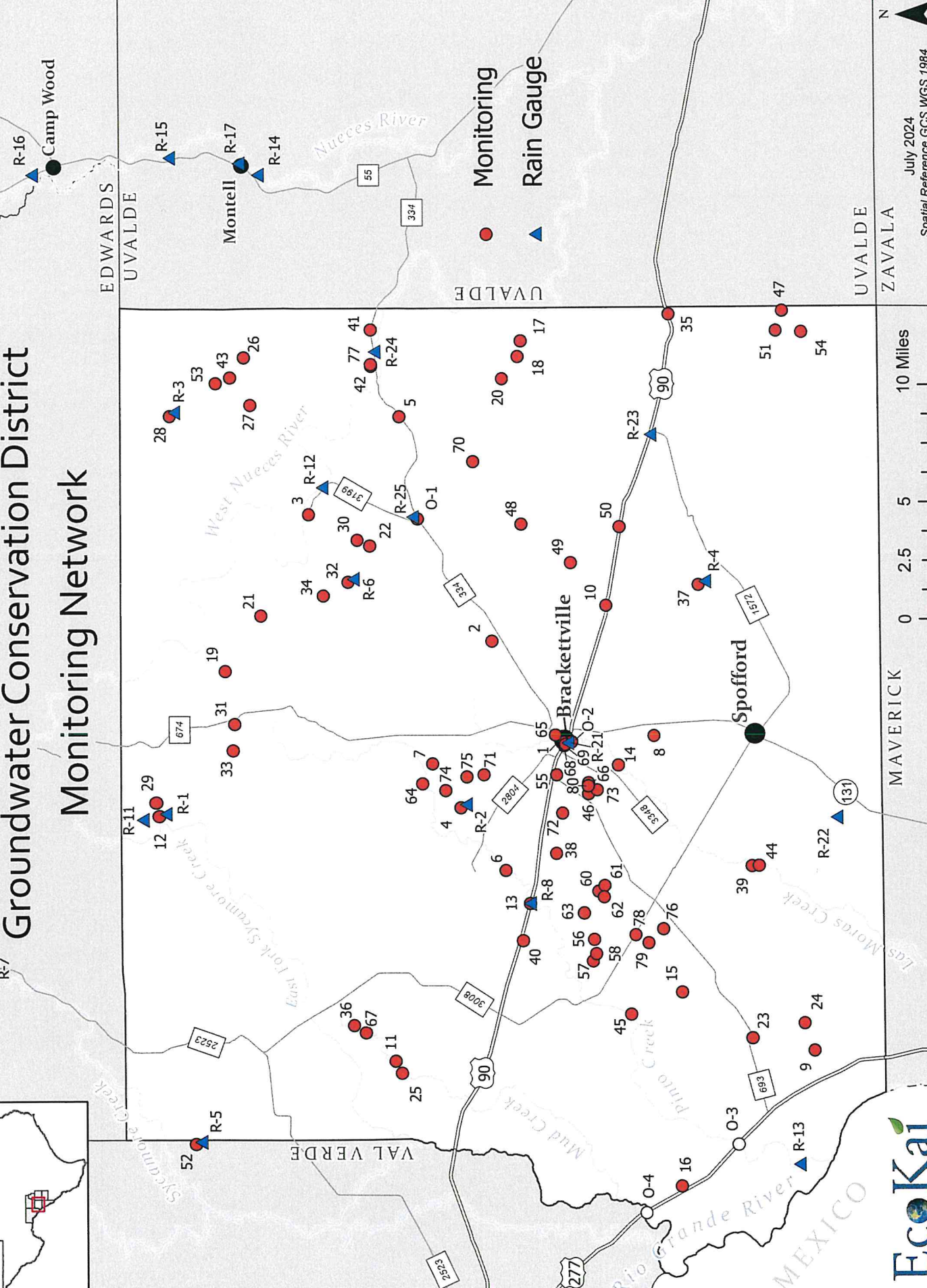
UVALDE

UVALDE

UVALDE

UVALDE

UVALDE



Monitoring

Rain Gauge



July 2024
Spatial Reference GCS WGS 1984

0 2.5 5 10 Miles

MAVERICK

UVALDE

UVALDE

UVALDE

UVALDE

UVALDE

UVALDE

UVALDE

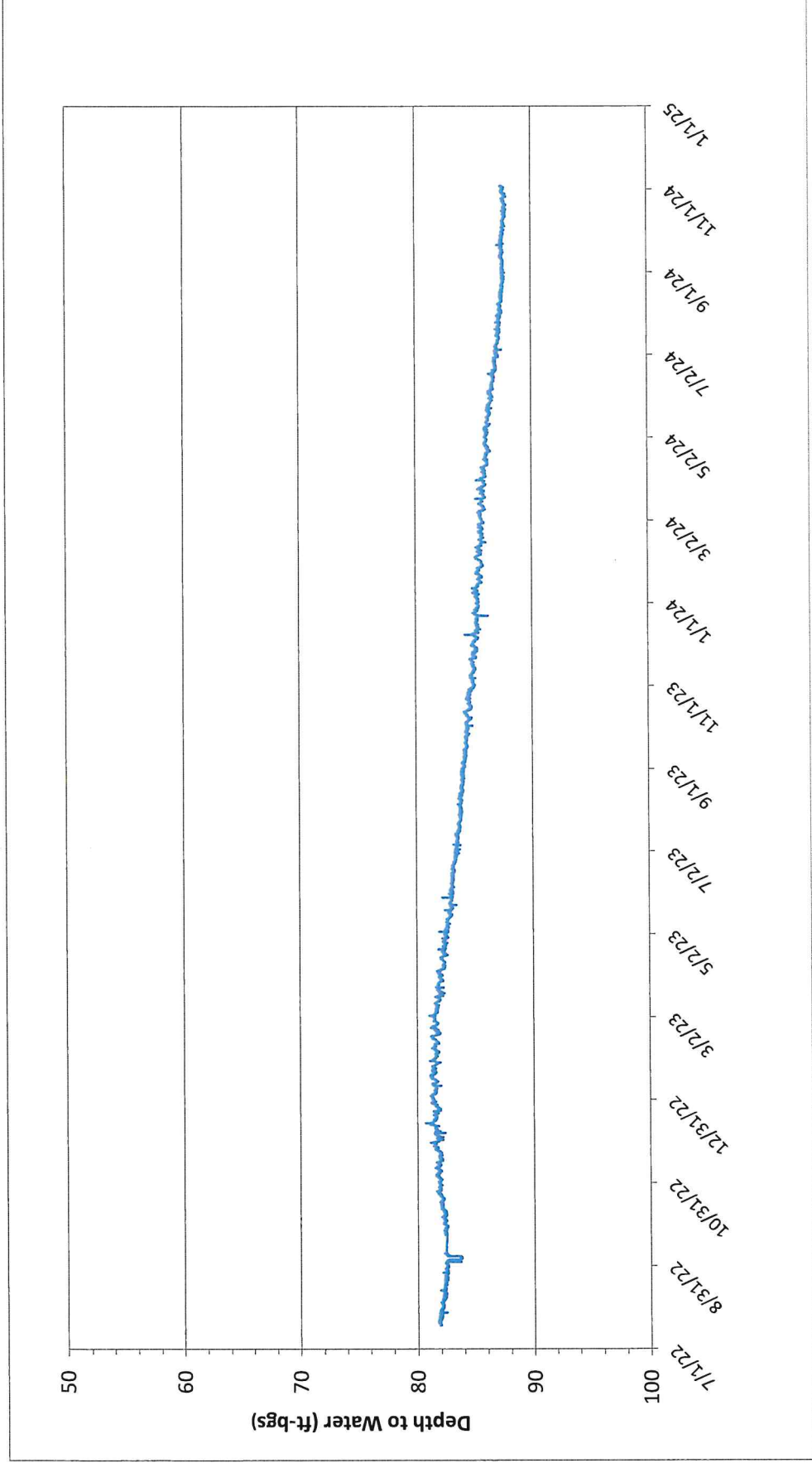
UVALDE



HWY Solar Well

TD=540ft, RP = 1125ft msl, BFZS

Depth to Water (ft-bgs)



PRELIMINARY

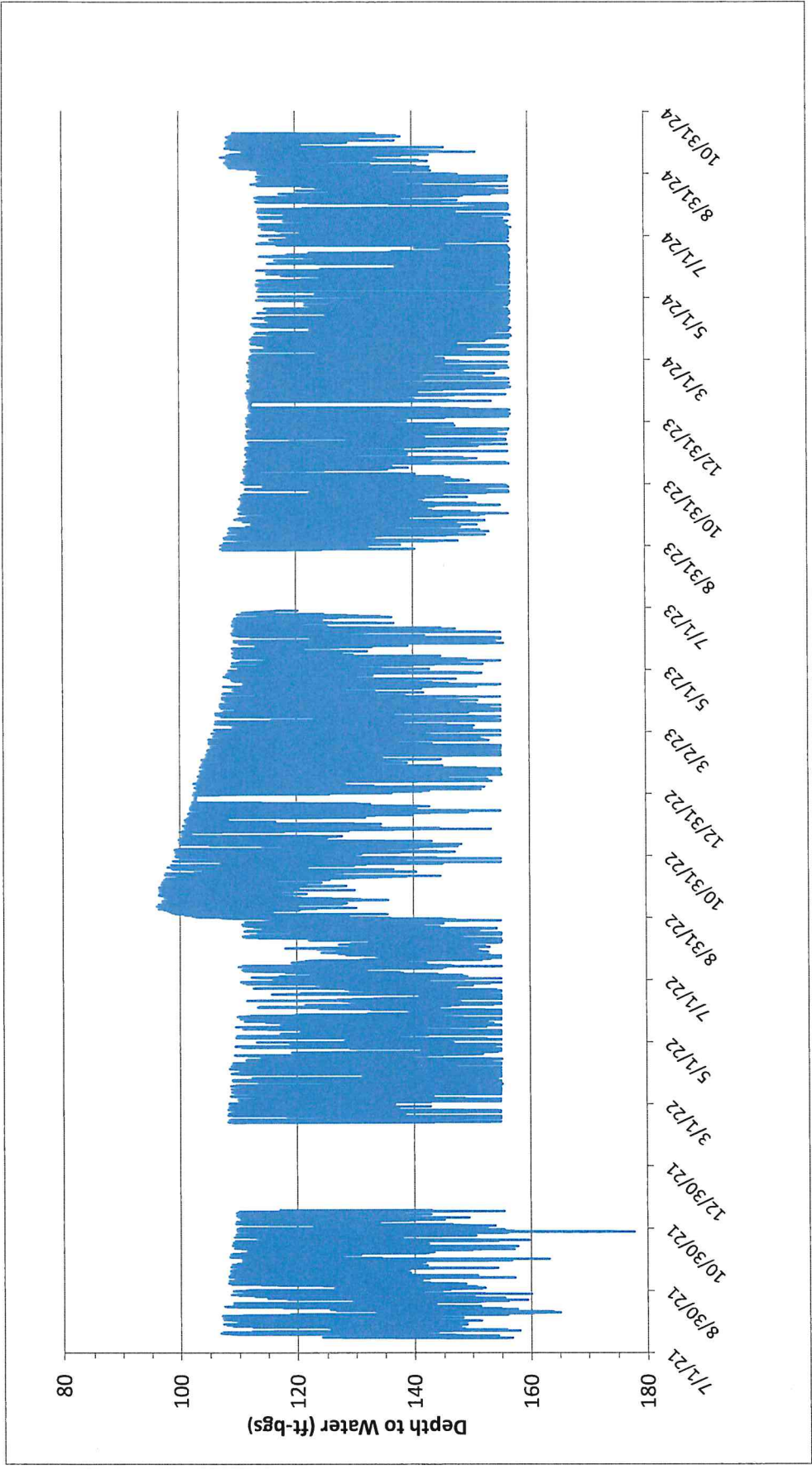
11/3/2024

Kinney County Groundwater Conservation District (Map # 50)

North Mill Well

TD = 250ft, RP = 1210 ft-msl, BFZS

Depth to Water (ft-bgs)



PRELIMINARY

11/3/2024

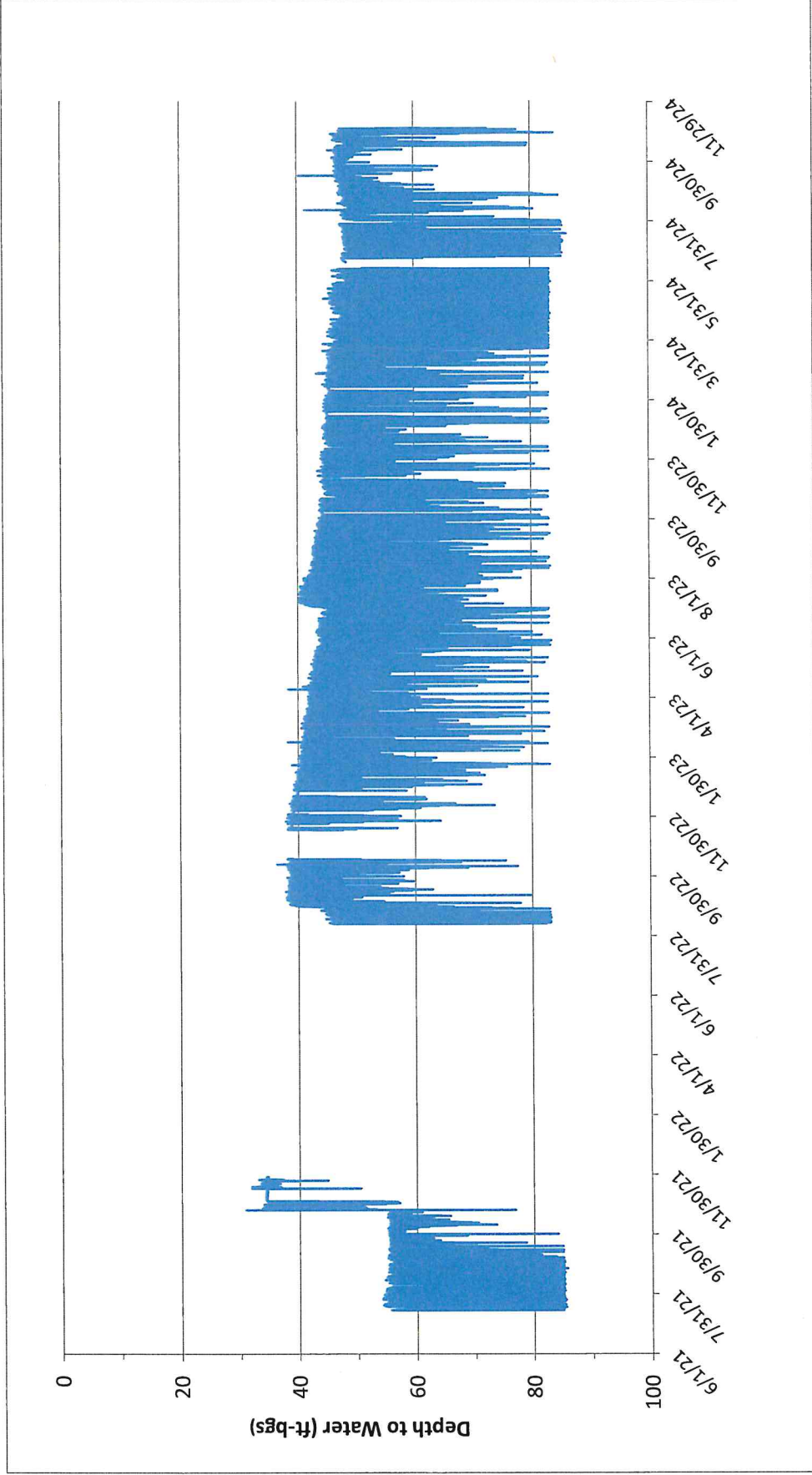
Kinney County Groundwater Conservation District (Map # 48)

EcoKai Environmental, Inc.

3 - D Cattle Co. Shearing Barn

TD = 150 ft, RP = 1138 ft-msl, BFZ

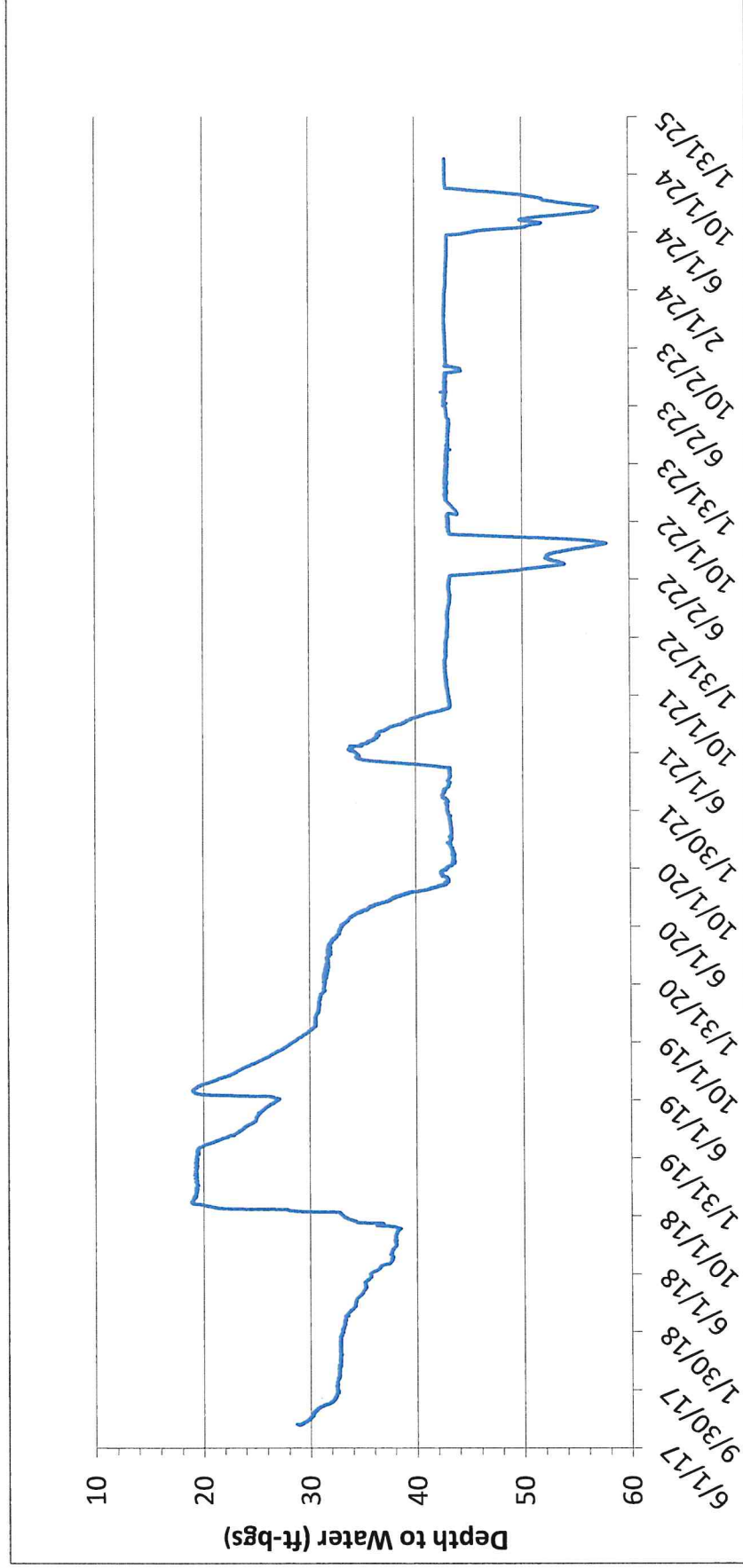
Depth to Water (ft-bgs)



Bader - Irrigation

TD ~ 300 ft, RP = 1108 ft-msl

Depth to Water (ft-bgs)



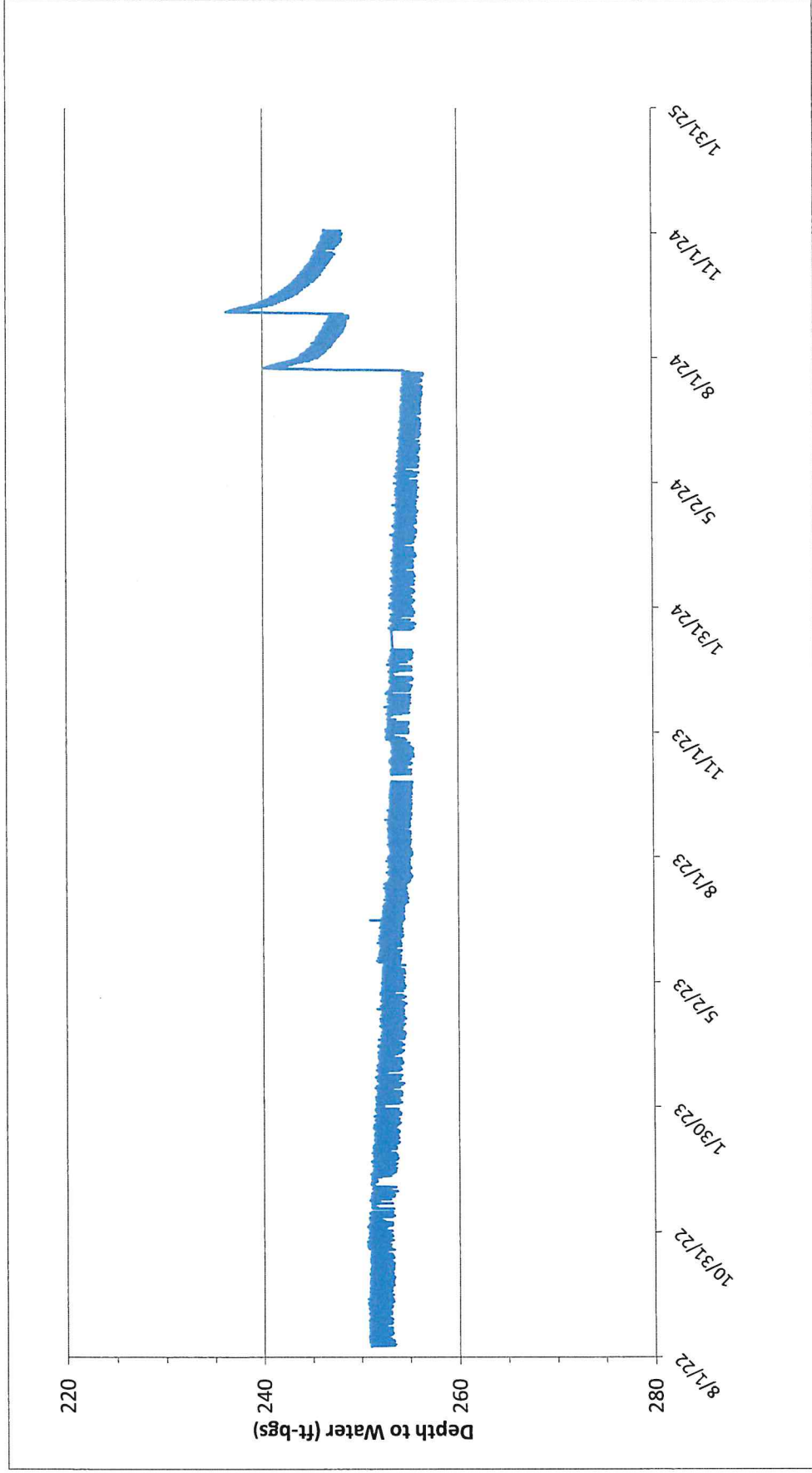
PRELIMINARY

11/3/2024

House Pasture Well (Val Verde Co.)

TD = 500 ft, RP = 1400 ft msl, TPO, TWDB No. 7027501

Depth to Water (ft-bgs)



PRELIMINARY

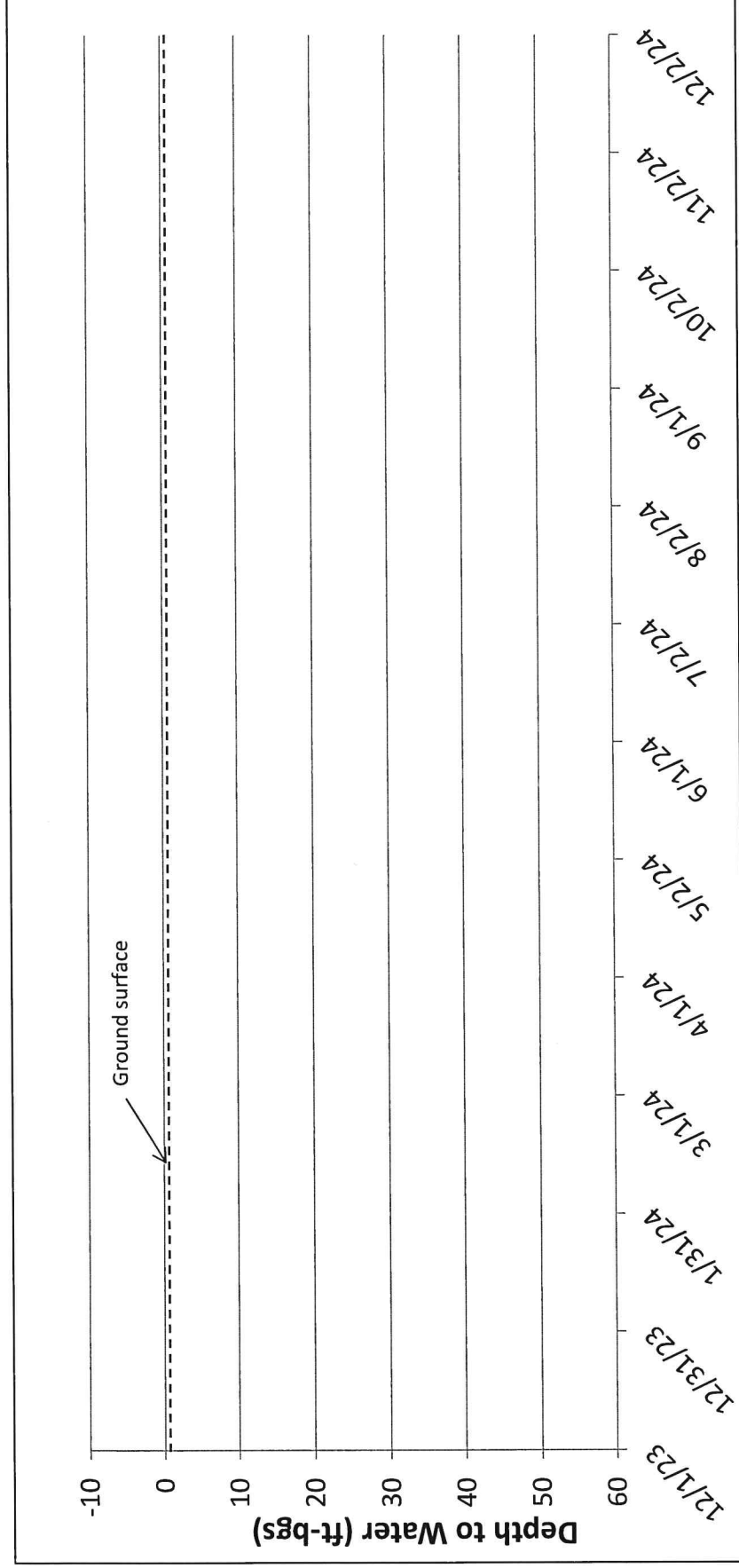
11/3/2024

Kinney County Groundwater Conservation District (Map # 52)

City Well No. 1

TD = 947 ft, RP = 1114 ft-msl, TPS, TWDB No. 7045503

Depth to Water (ft-bgs)



City Well No. 2

TD = 1481 ft, RP = 1122 ft-msl, TPS, TWDB No. 7045601

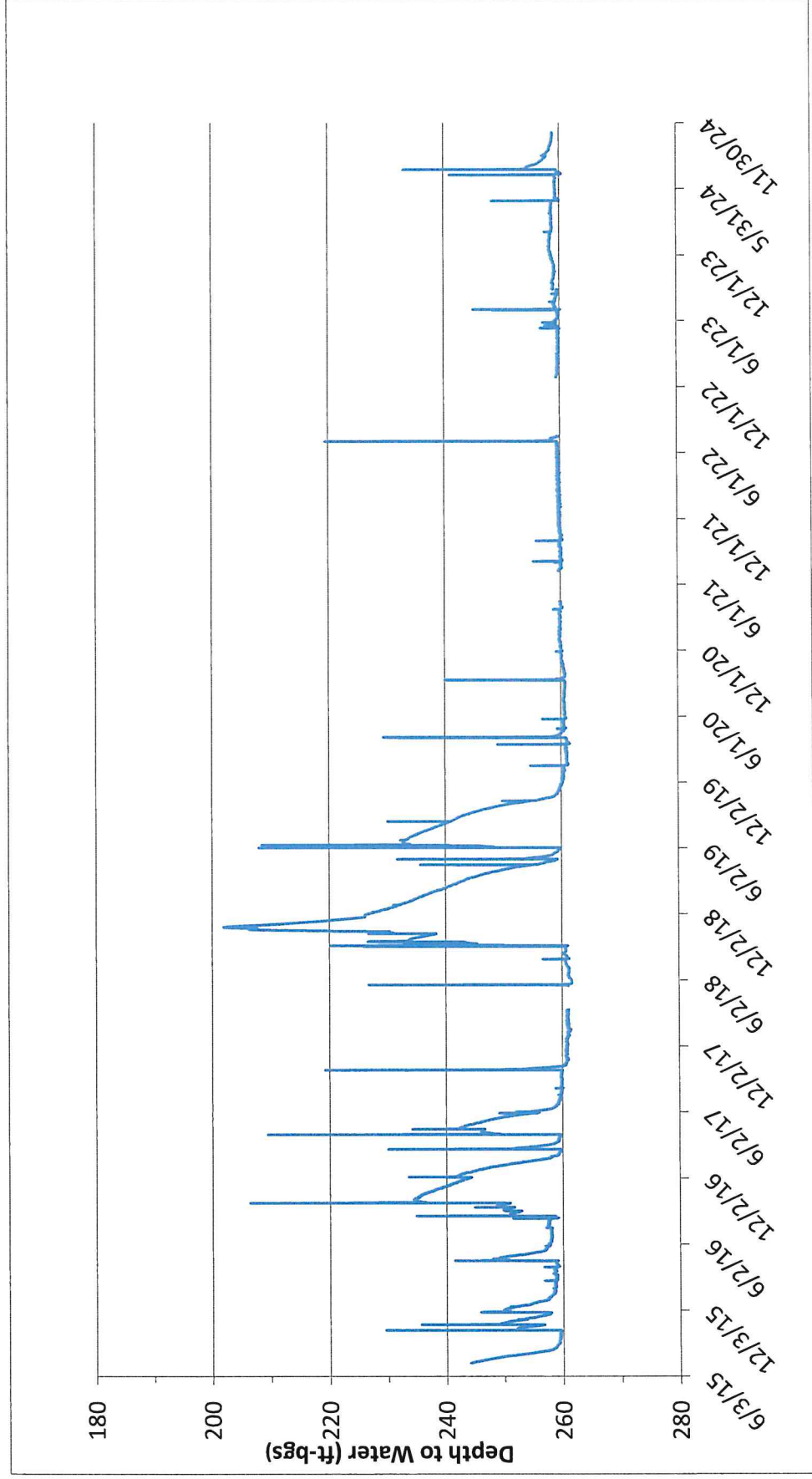
Depth to Water (ft-bgs)



Big Mill Well

TD = 330 ft, RP = 1681 ft-msl, TPO, TWDB No. 7030801

Depth to Water (ft-bgs)



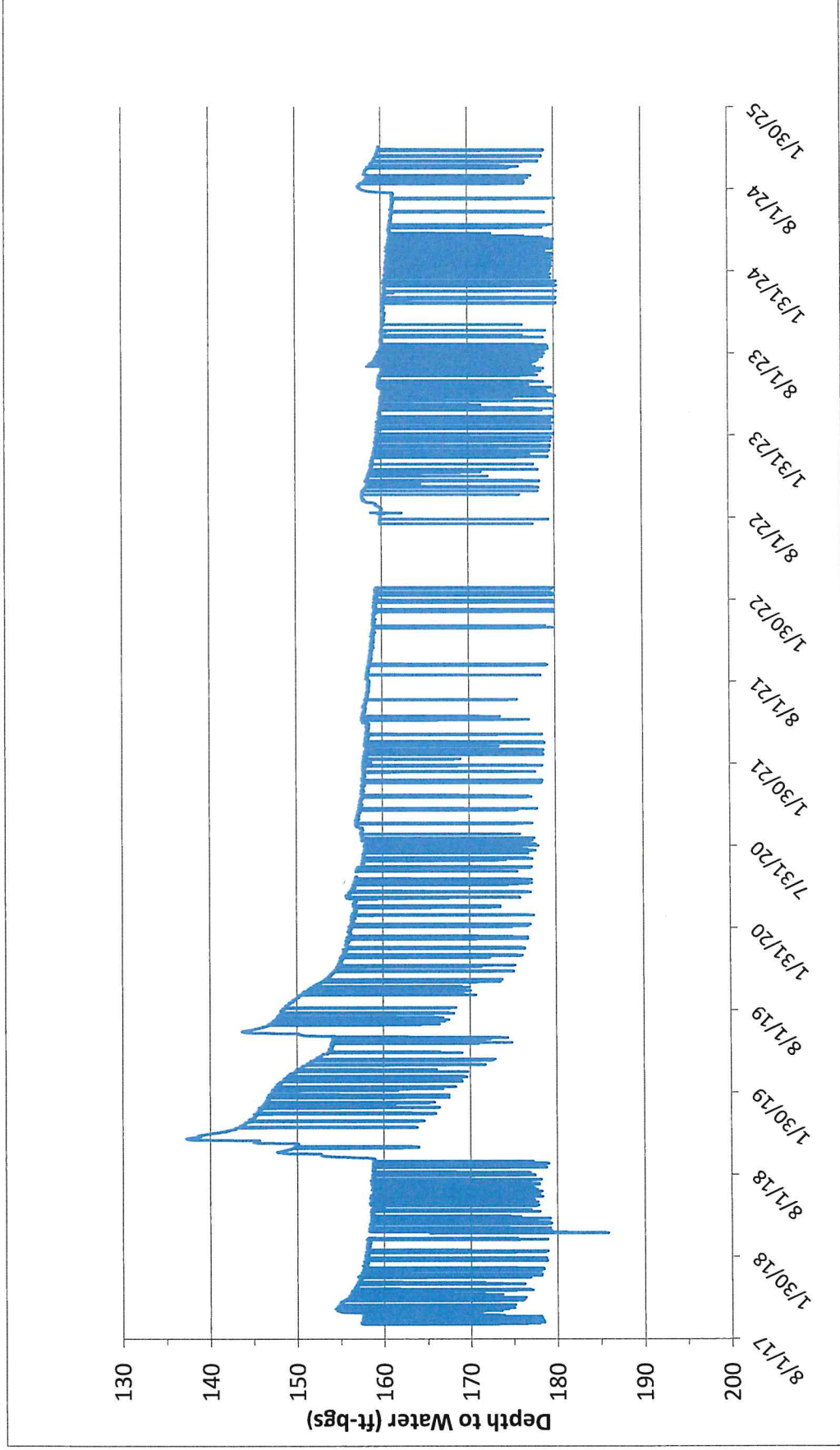
PRELIMINARY

11/3/2024

Davis Ranch - Red/Solar Mill

TD = 249 ft, RP = 1504 ft-msl, TPO, TWDB - n/a

Depth to Water (ft-bgs)



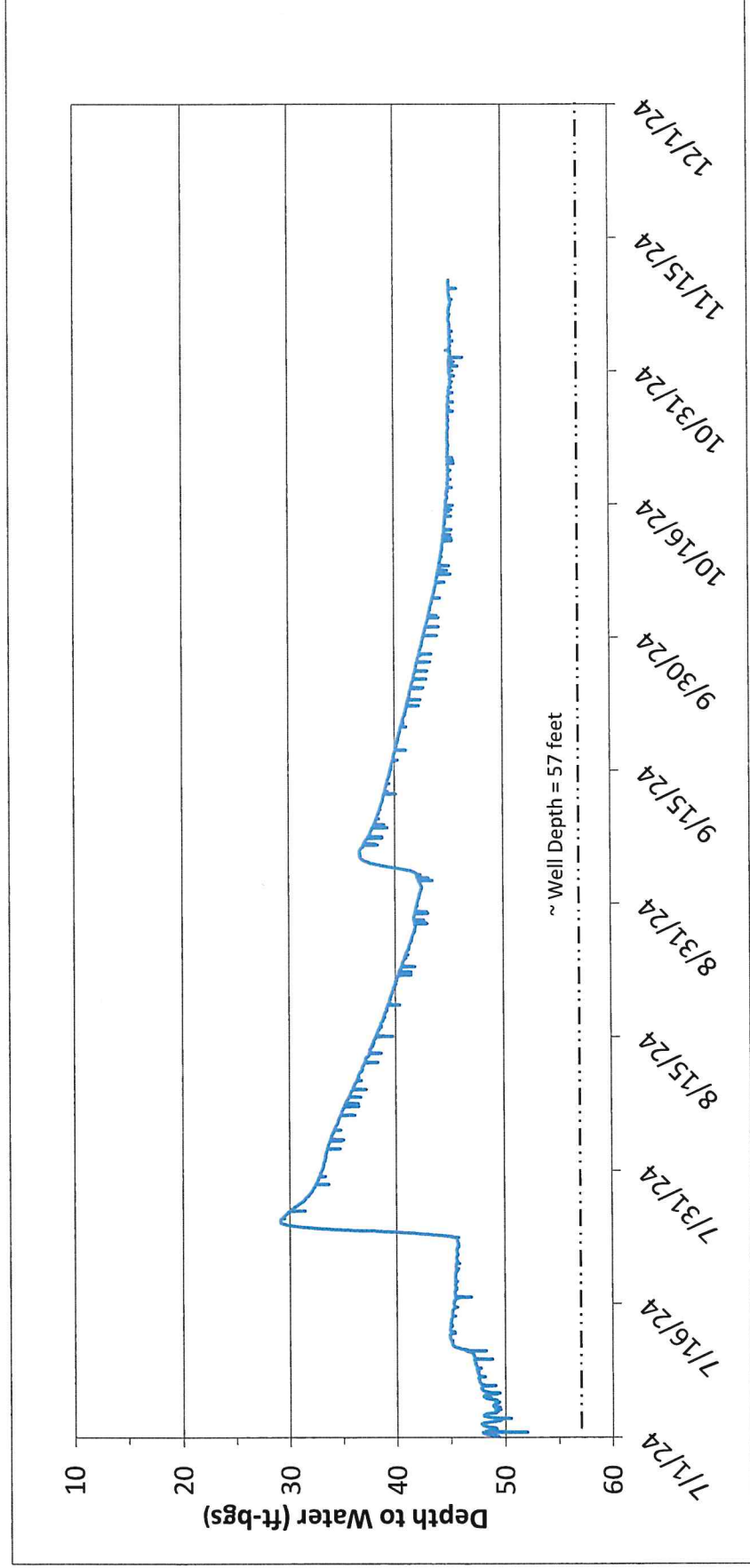
PRELIMINARY

11/3/2024 Kinney County Groundwater Conservation District (Map # 34)

D.G House Well

TD = 57 ft, RP = 1269 ft-msl, BFZ

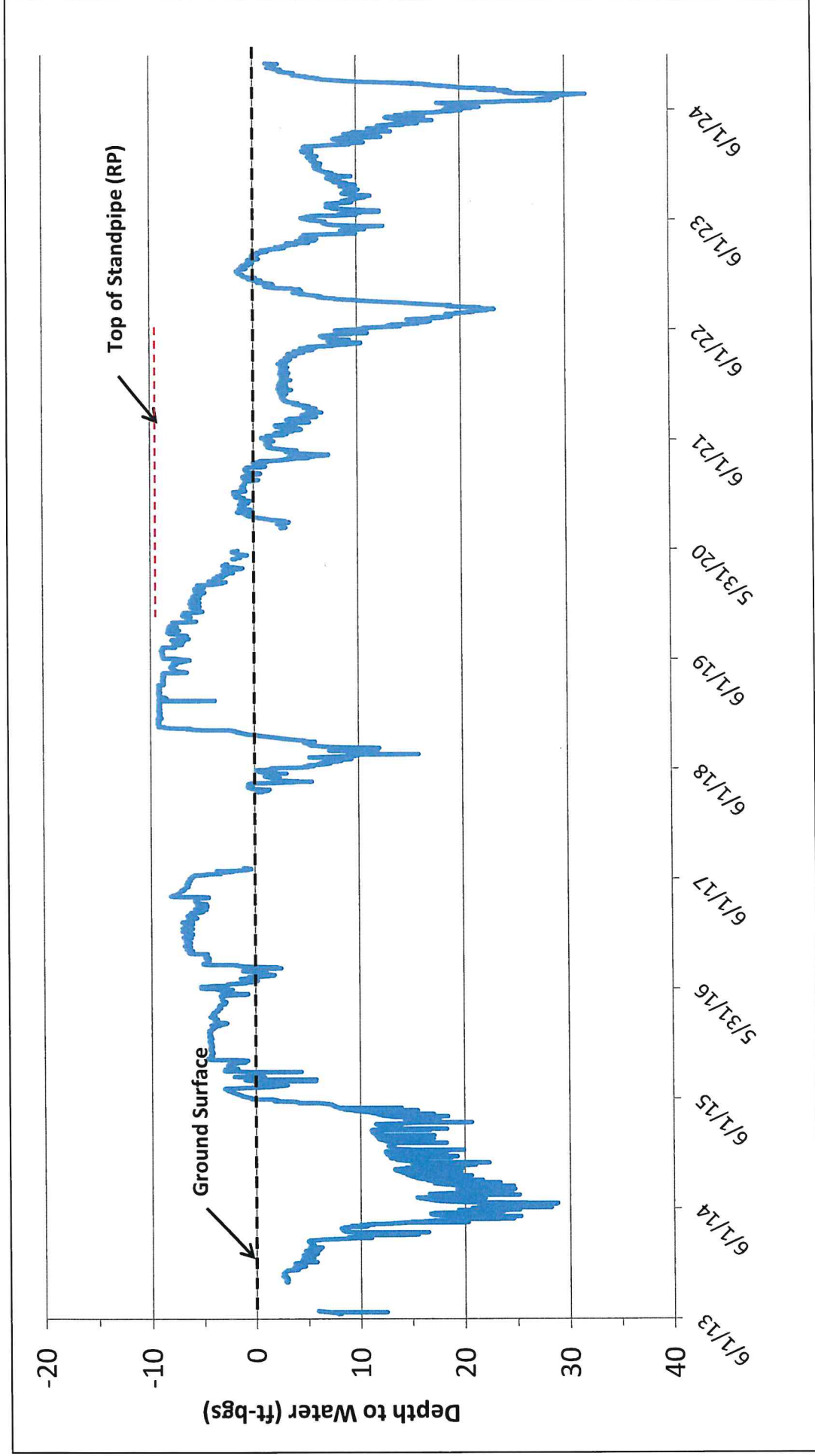
Depth to Water (ft-bgs)



Dooley Well

TD = 1112 ft, RP = 1183 ft-msl, TWDB No. 7037704

Depth to Water (ft-bgs)



PRELIMINARY

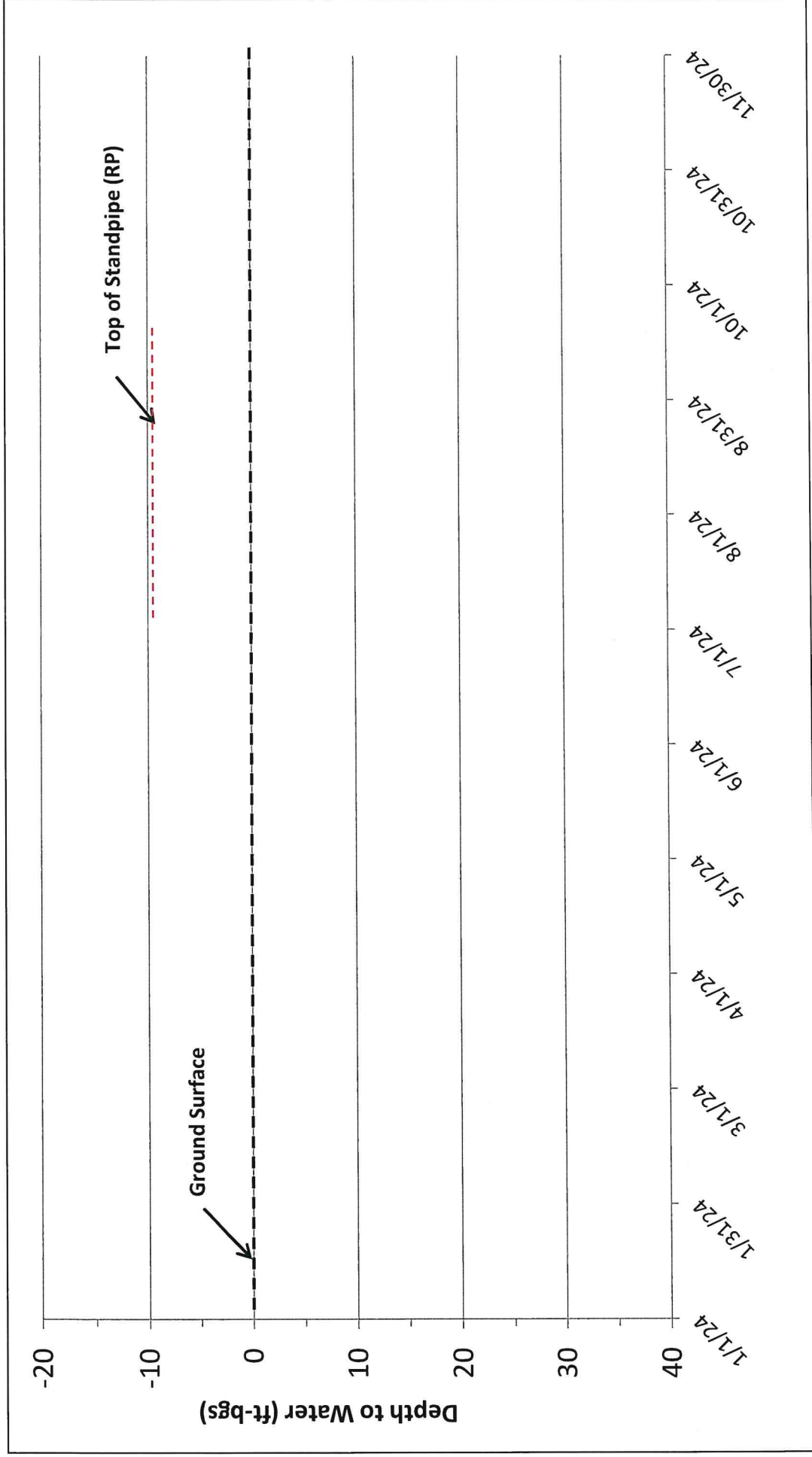
11/3/2024

Dooley Well

TD = 1112 ft, RP = 1183 ft-msl, TWDB No. 7037704

Depth to Water (ft-bgs)

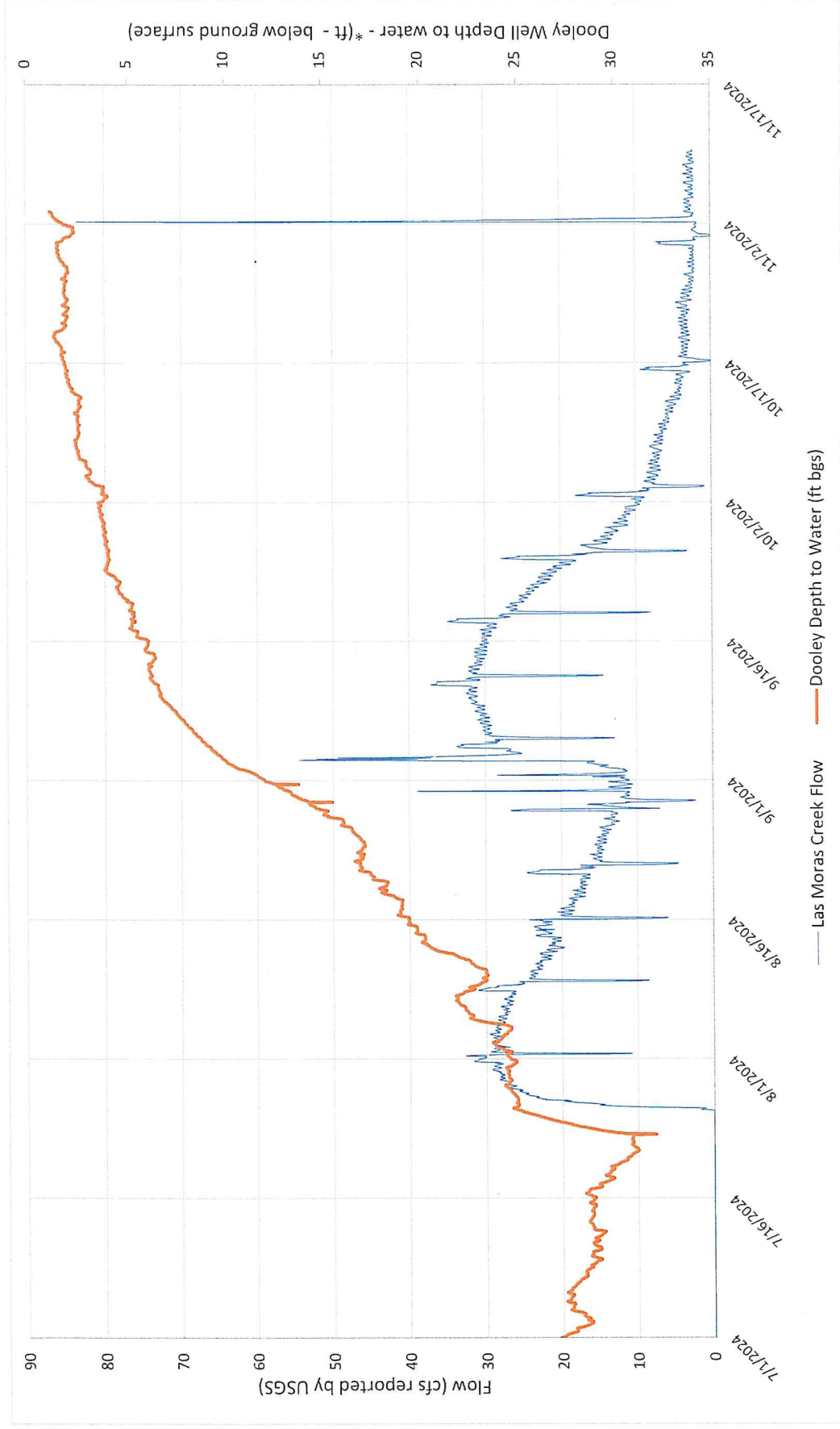
Year to Date



PRELIMINARY

11/3/2024

Dooley Well - Depth to Water (bgs*) vs. Las Moras Creek Flow (USGS)



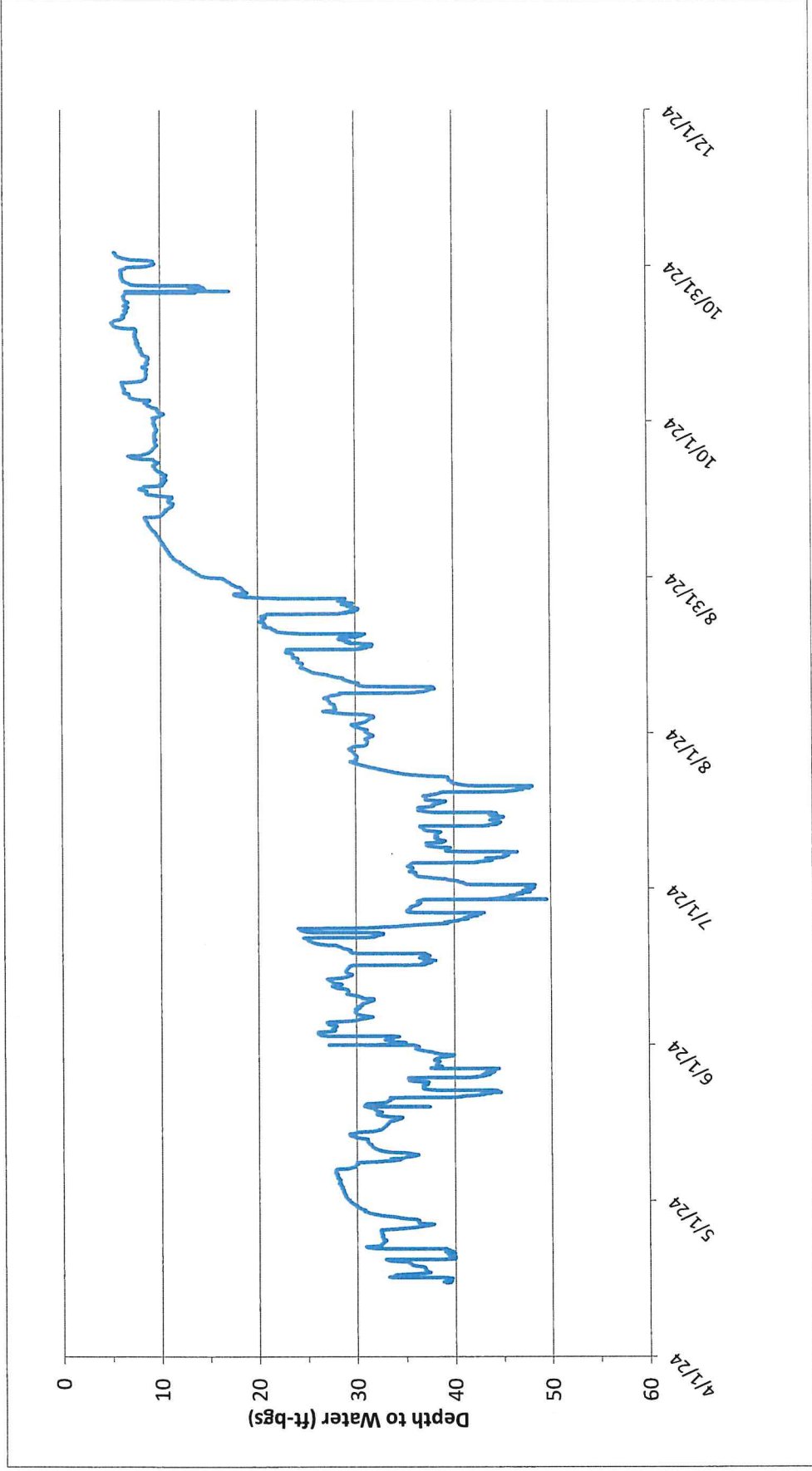
PRELIMINARY

11/10/2024

Permitted Well EH2B-01

TD = 700 ft, RP = 1198 ft-msl, Edwards Trinity

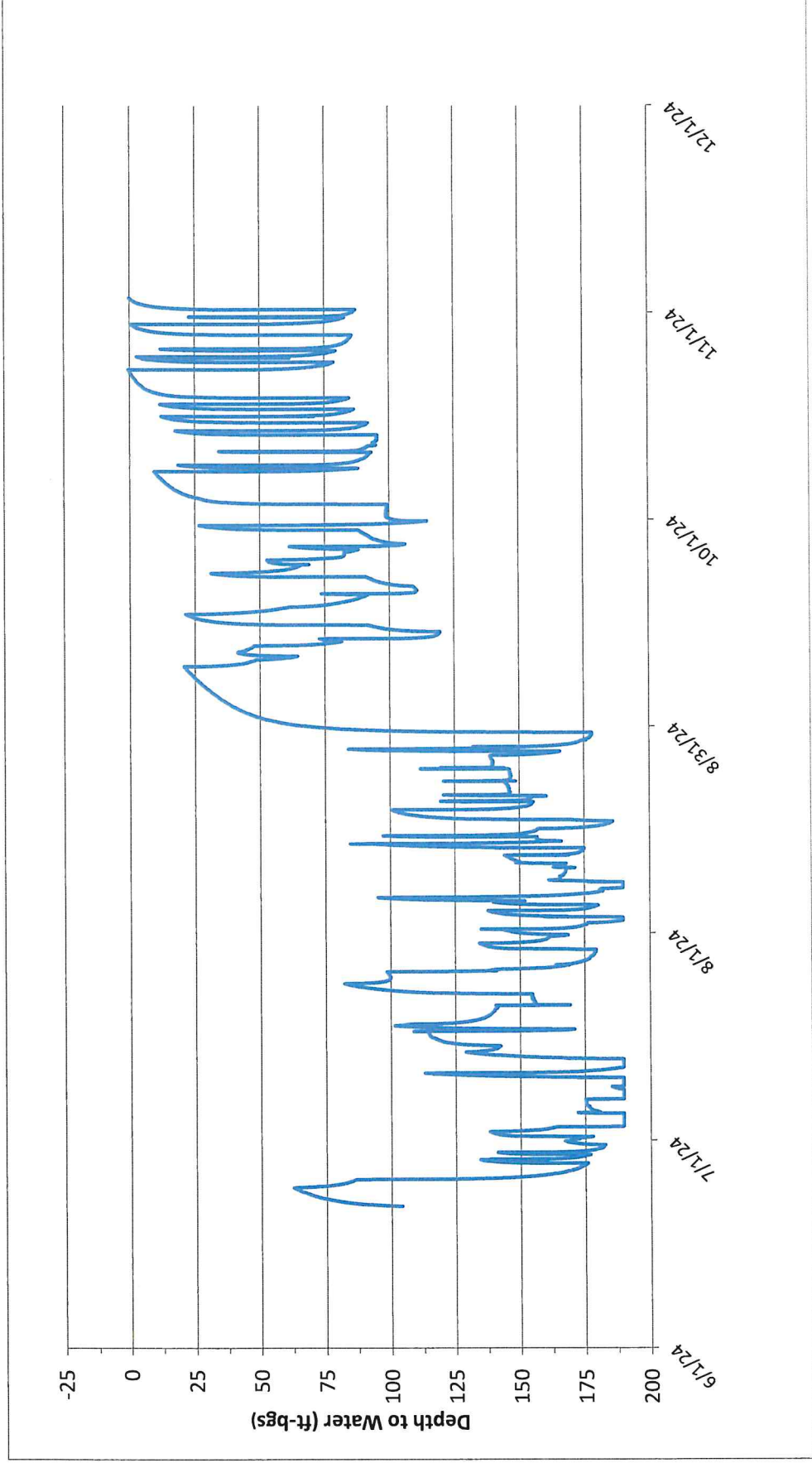
Depth to Water (ft-bgs)



Permitted Well EH03B-09

TD = 1800 ft, RP = 1061 ft-msl, Edwards Trinity - Sulfur, TWDB No. 7044809

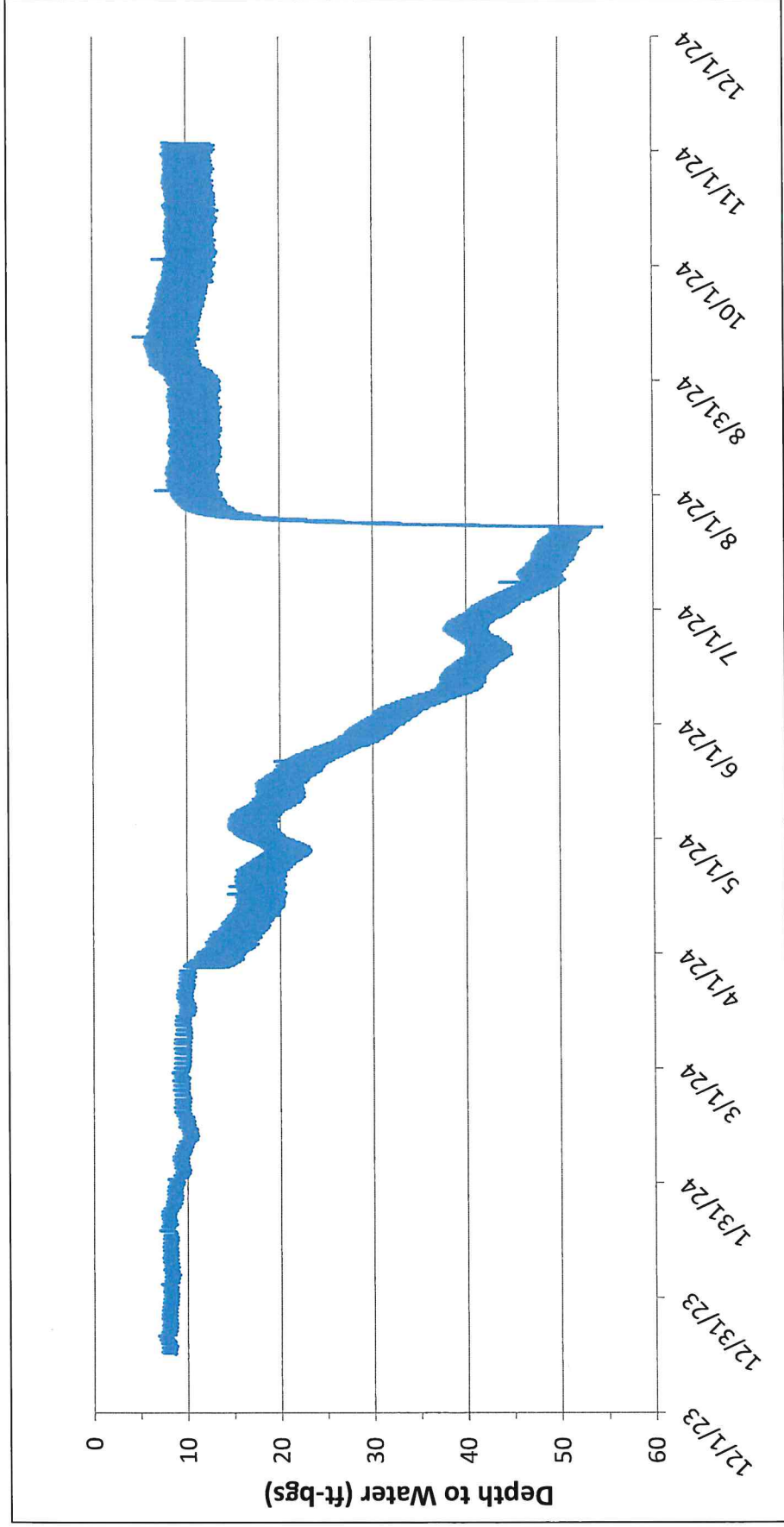
Depth to Water (ft-bgs)



FCS Mud Well No. 2 (EH14-02)

TD = 980 ft, RP = 1114 ft-msl, Edwards, TWDB No. 7045501

Depth to Water (ft-bgs)



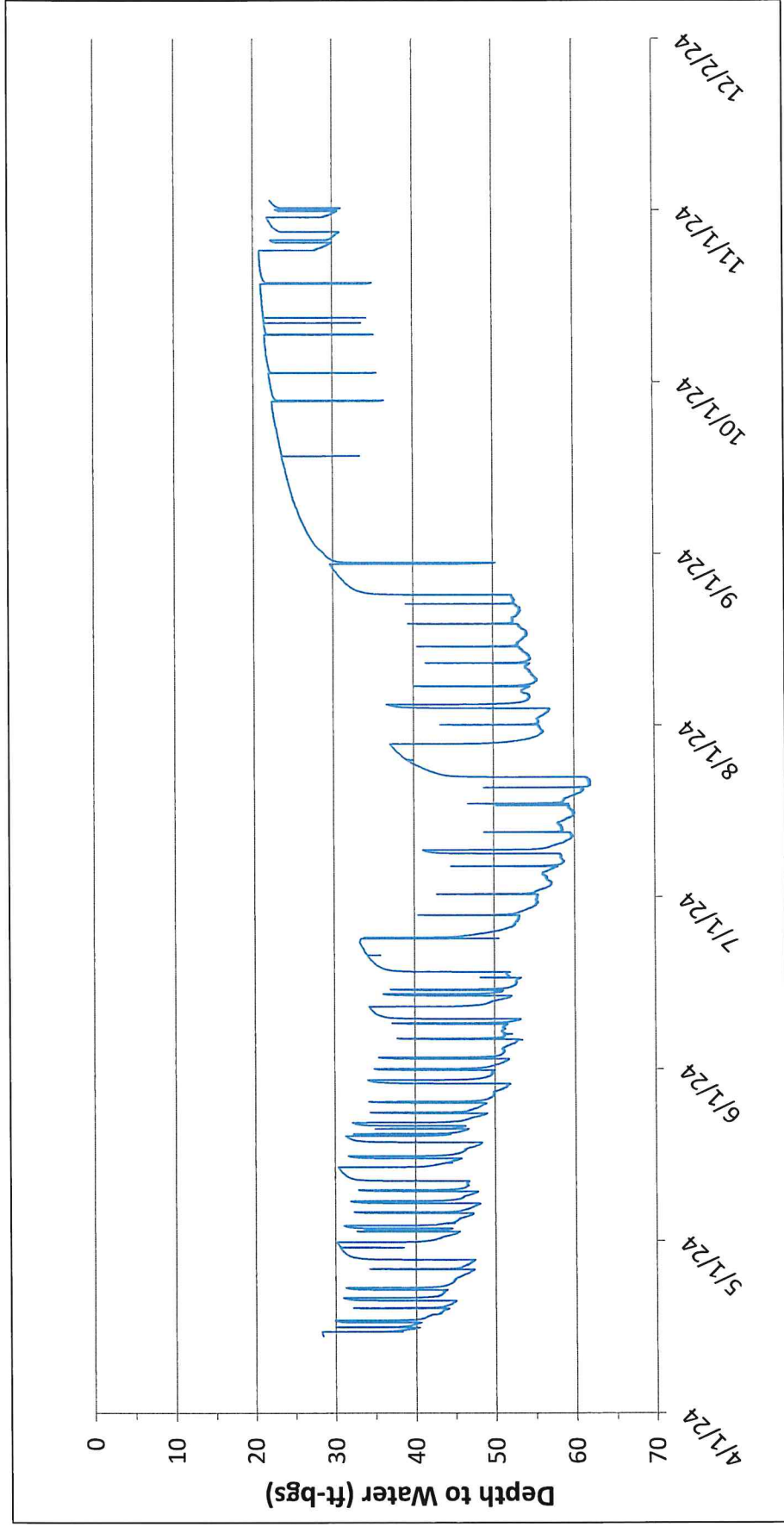
PRELIMINARY

11/3/2024

Permitted Well EH20-02

TD ~ 350 ft, RP = 1201 ft-msl, Rate = 1800 gpm, Edwards, TWDB No. 7037804

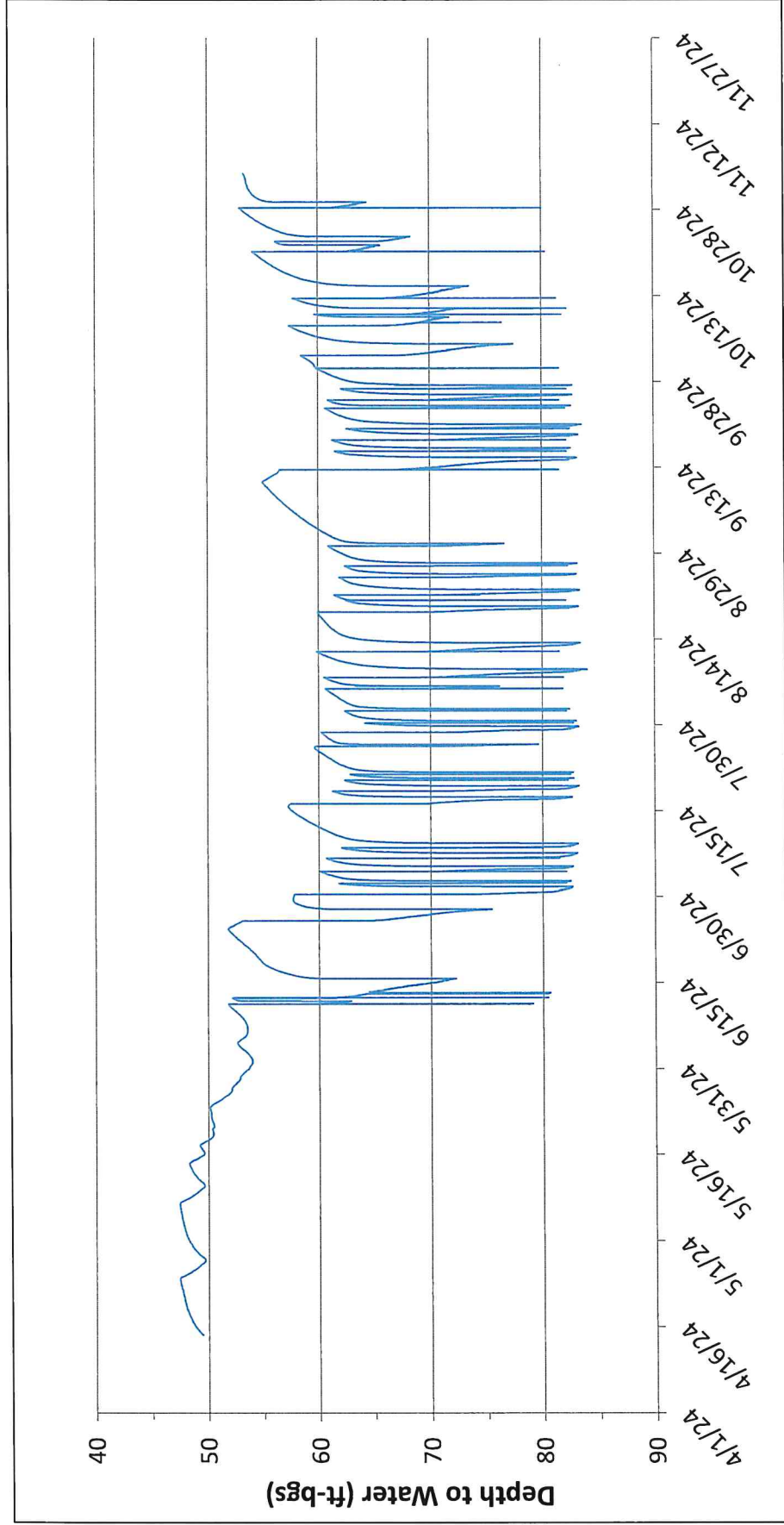
Depth to Water (ft-bgs)



Permitted Well EH38-03

TD ~ 250 ft, RP = 1097 ft-msl, Austin Chalk, TWDB No. 7045801

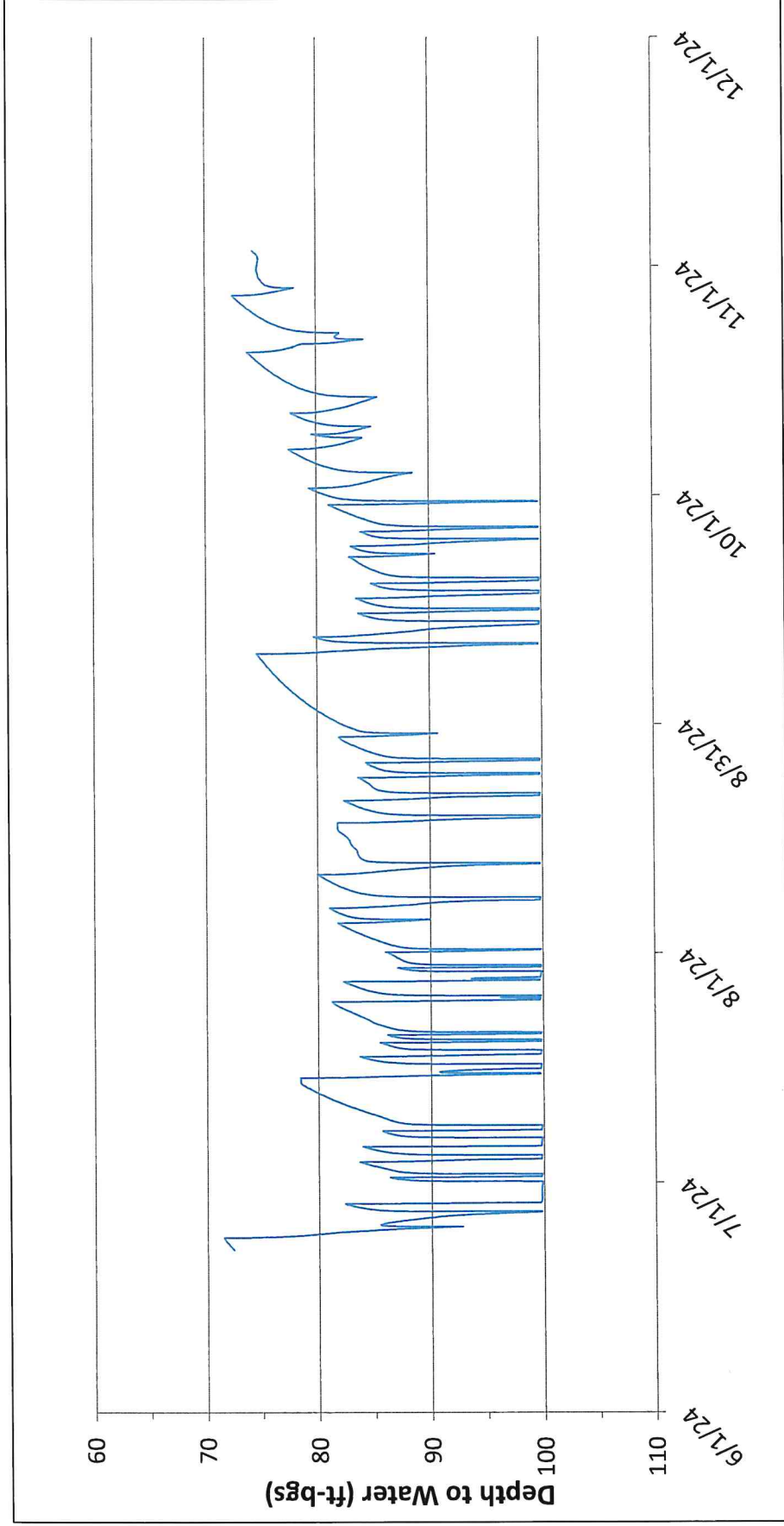
Depth to Water (ft-bgs)



Permitted Well EH38-04

TD ~ 250 ft, RP = 1100 ft-msl, Austin Chalk, TWDB No. TBD

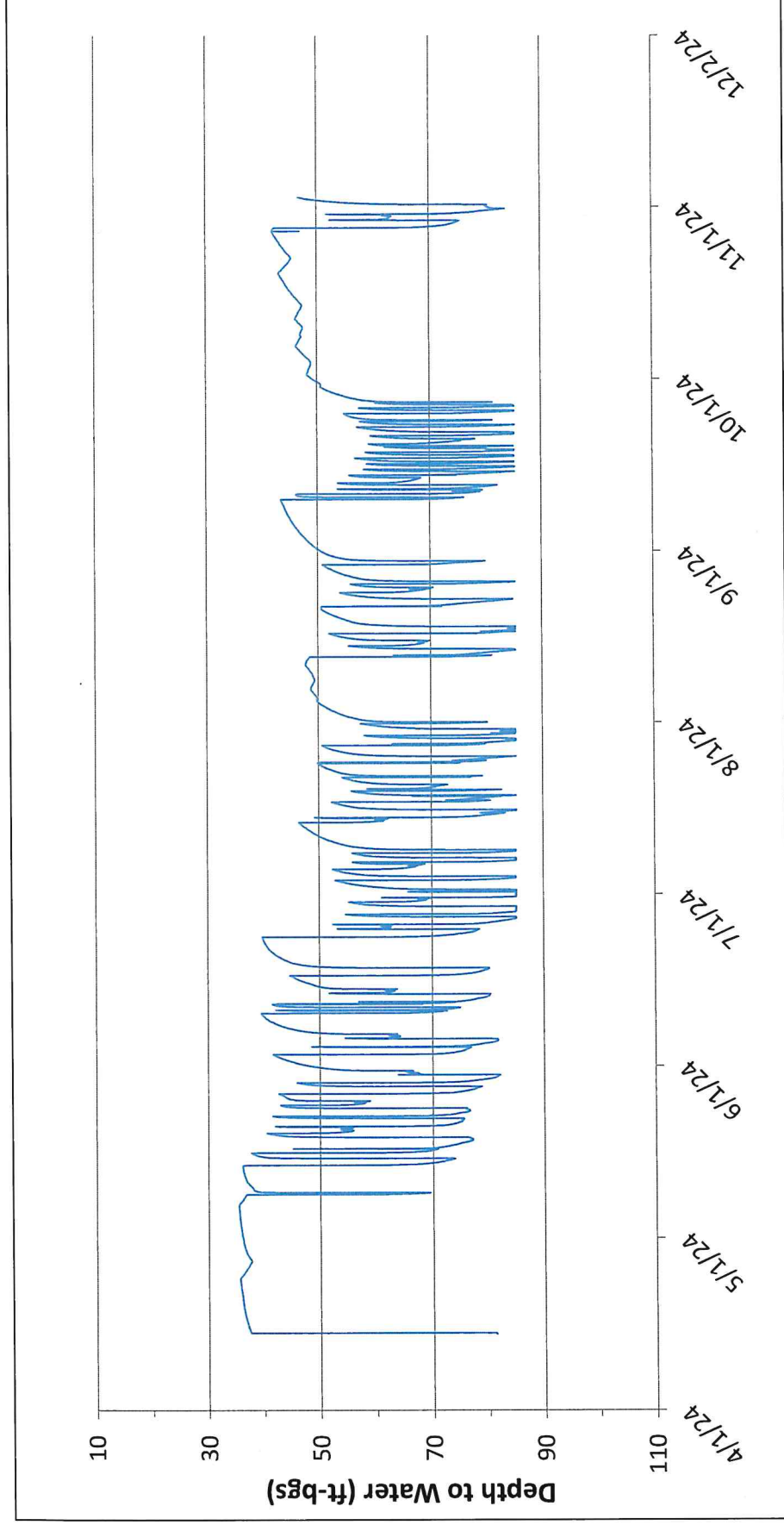
Depth to Water (ft-bgs)



Permitted Well EH38-06 (North DBL Well)

TD ~ 250 ft, RP = 1085 ft-msl, Austin Chalk

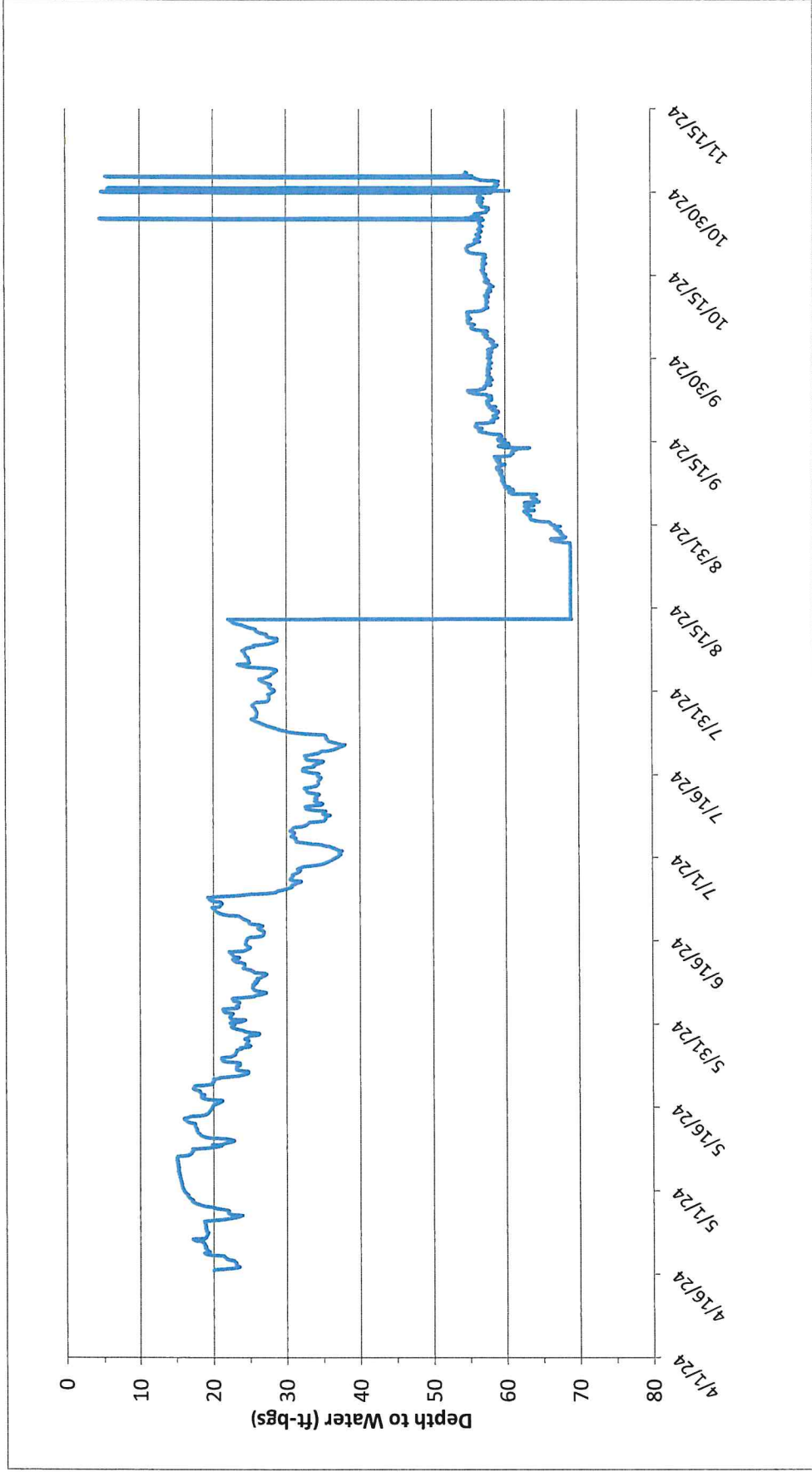
Depth to Water (ft-bgs)



Elm Creek Basin Monitoring Well

TD > 400 ft, RP = 1185 ft-msl

Depth to Water (ft-bgs)



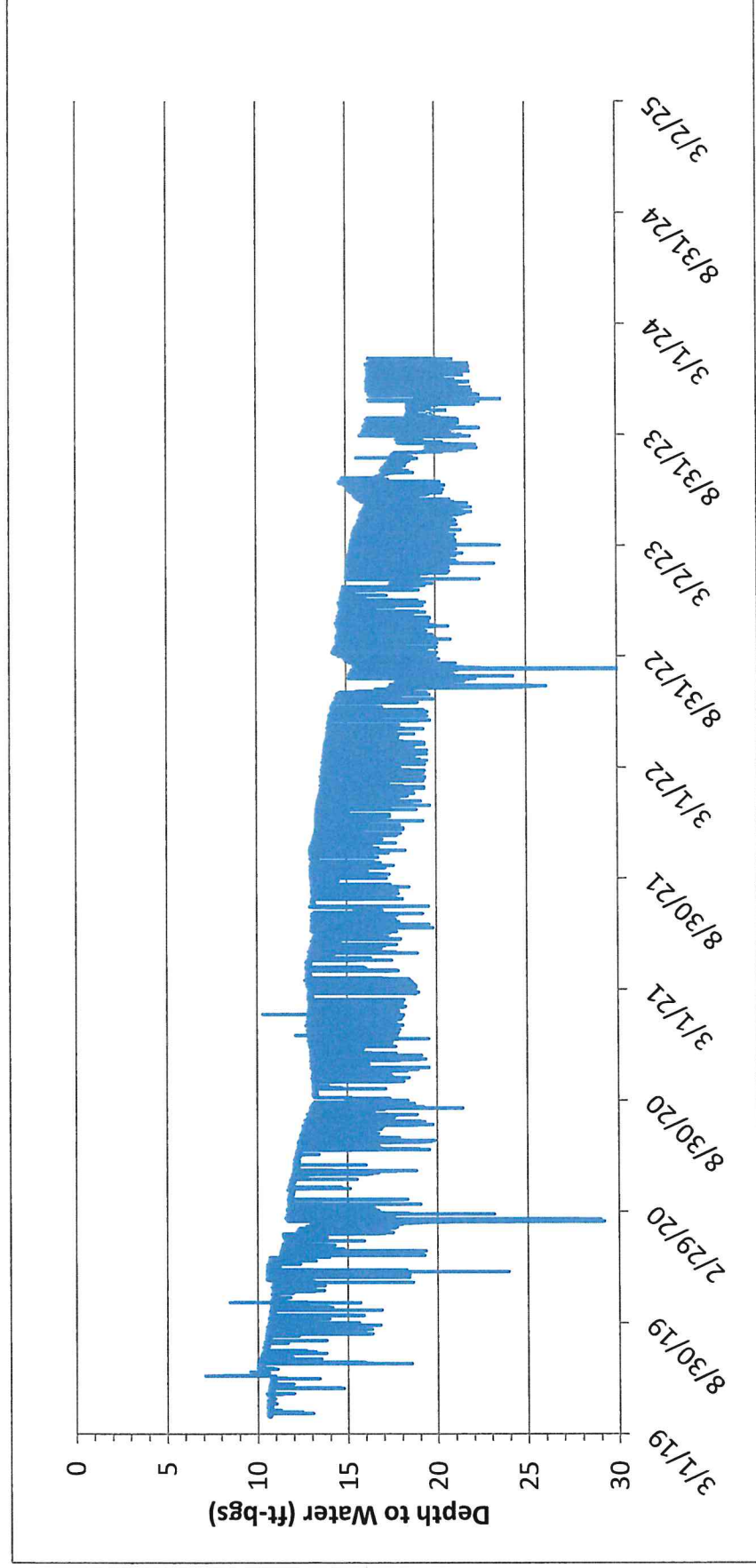
PRELIMINARY

11/3/2024

La Fonda Monitoring Well

TD = 100 ft, RP = 995 ft-msl, Austin Chalk

Depth to Water (ft-bgs)



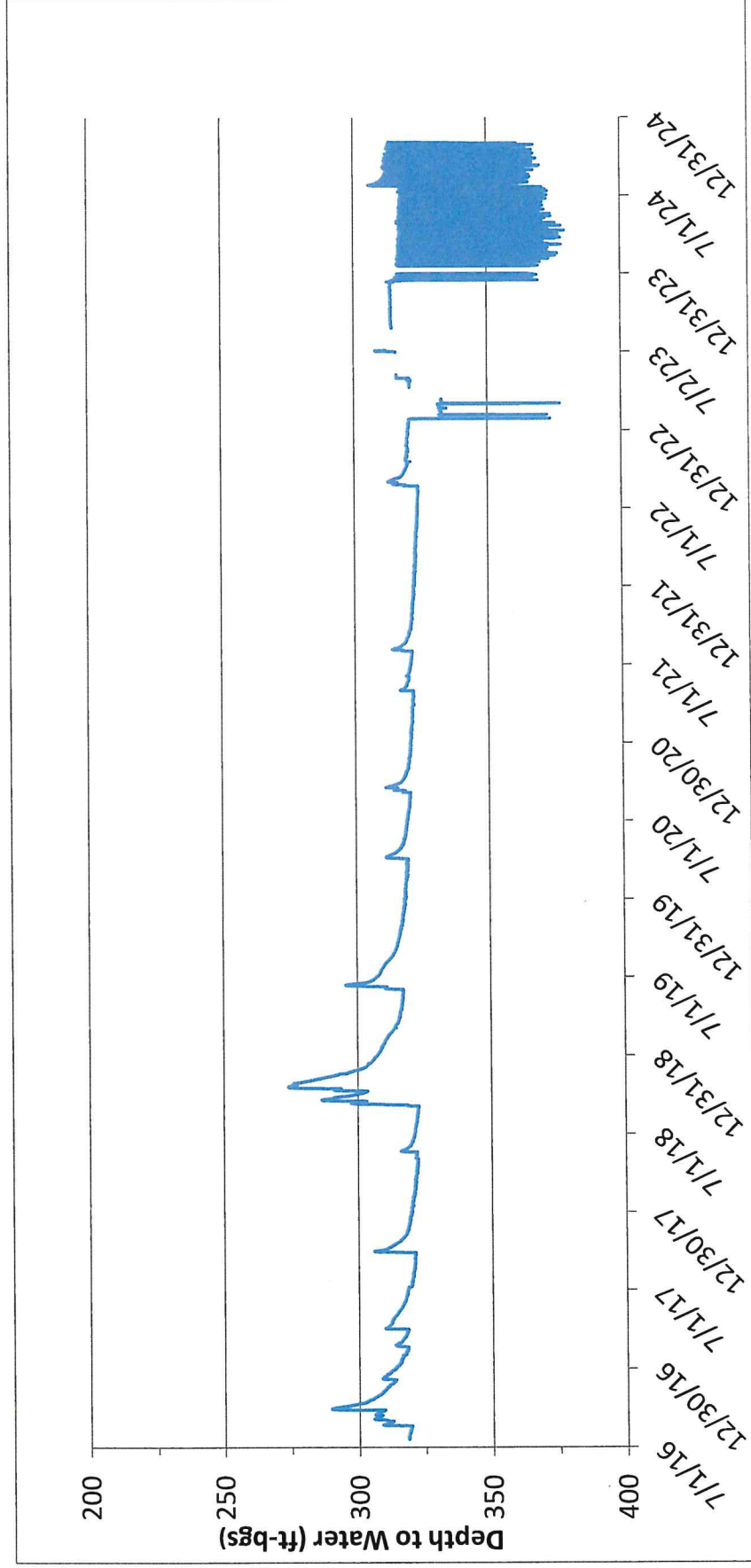
PRELIMINARY

11/3/2024 Kinney County Groundwater Conservation District (Map #45)

Well # 172

TD = 500 ft, RP = 1629 ft-msl, EBFZ(o),

Depth to Water (ft-bgs)



PRELIMINARY

11/3/2024

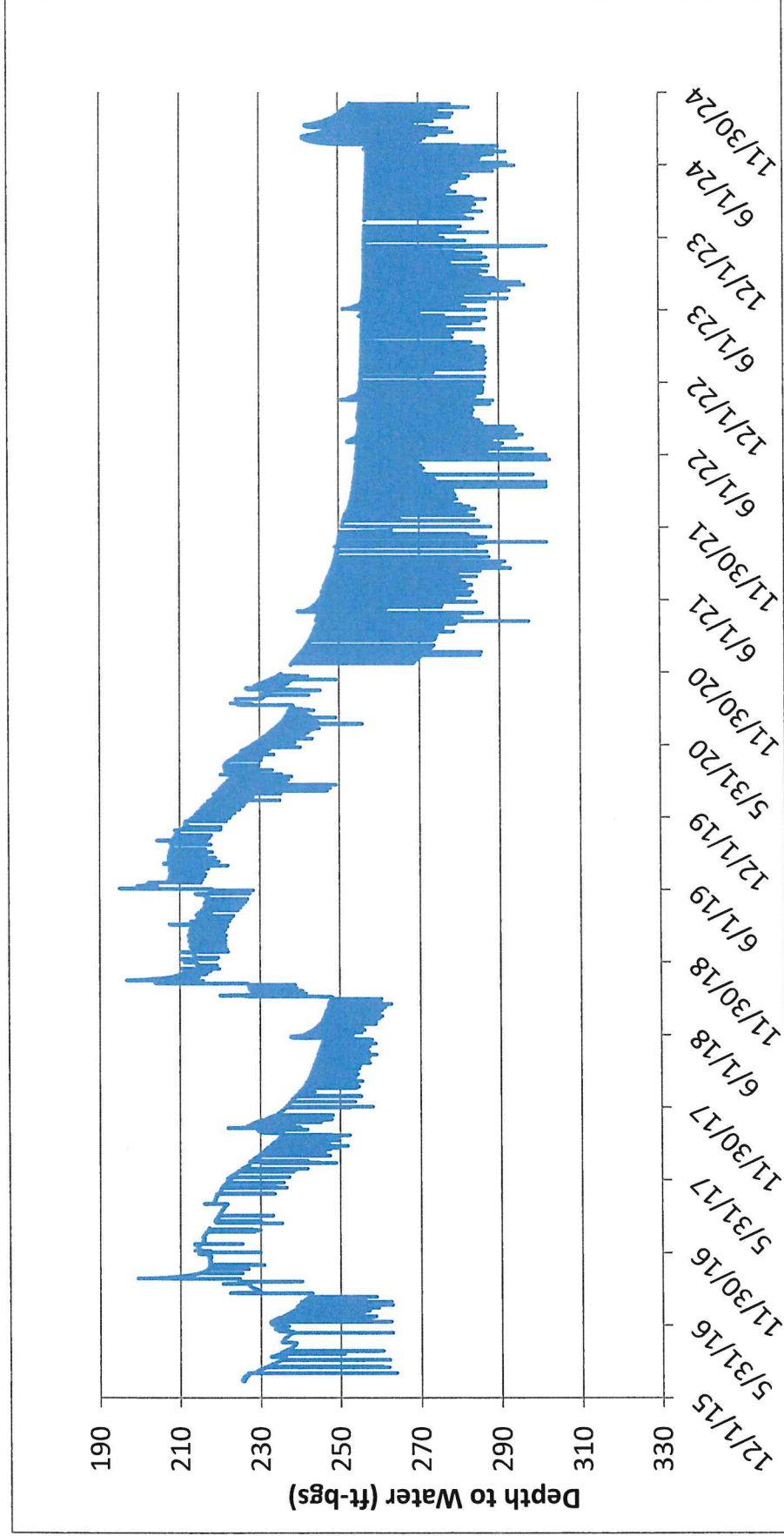
Kinney County Groundwater Conservation District (Map #32)

EcoKai Environmental, Inc.

Kickapoo Cavern State Park (Crownover)

TD = 502 ft, RP = 1634 ft-msl, TPO, TWDB No. 7029101

Depth to Water (ft-bgs)



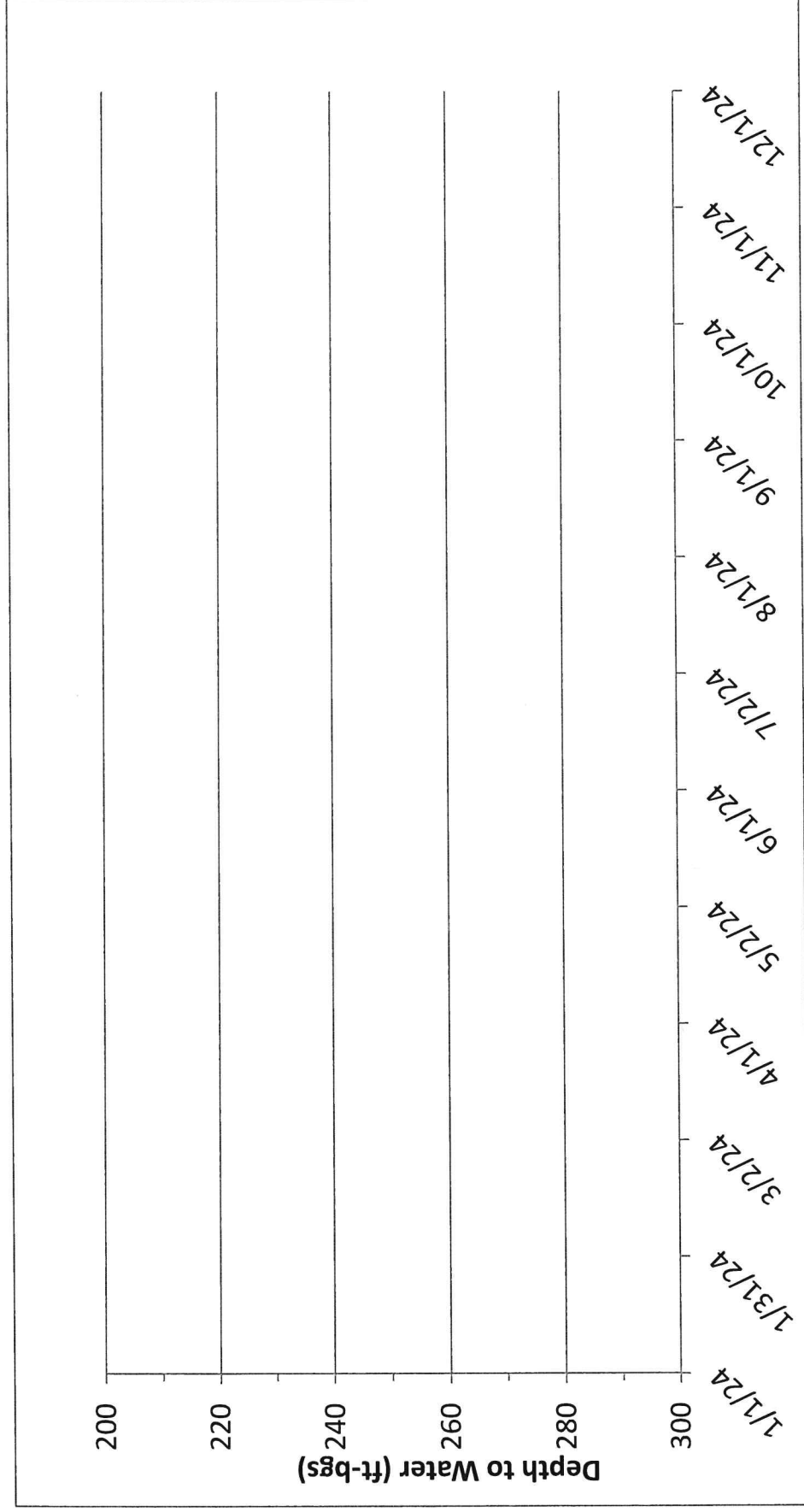
PRELIMINARY

11/3/2024

Kickapoo Cavern State Park (Crownover)

TD = 502 ft, RP = 1634 ft-msl, TPO, TWDB No. 7029101

Depth to Water (ft-bgs)



Kickapoo Cavern State Park (Main Supply)

TD = 360 ft, RP = 1718 ft-msl, TPO, TWDB No. 7029102

Depth to Water (ft-bgs)



PRELIMINARY

11/3/2024

Kinney County Groundwater Conservation District (Map #29)

EcoKai Environmental, Inc.

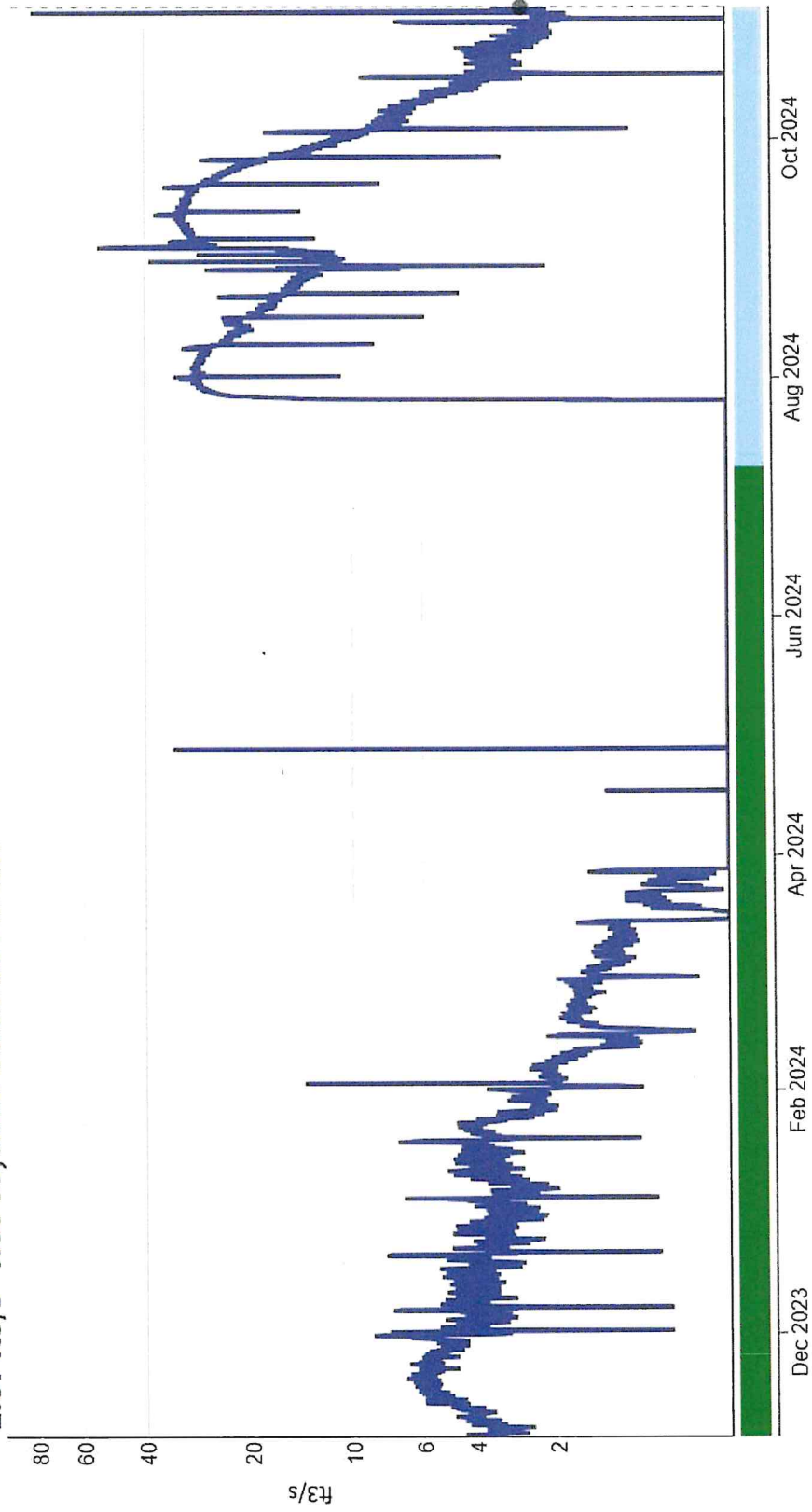
Las Moras Spgs Dws of pool at Brackettville, TX

- 08456310

November 4, 2023 - November 3, 2024

Discharge, cubic feet per second

2.67 ft³/s - Nov 03, 2024 05:15:00 PM CST



PRELIMINARY

11/3/2024

EcoKai Environmental, Inc.

* Data Source - USGS

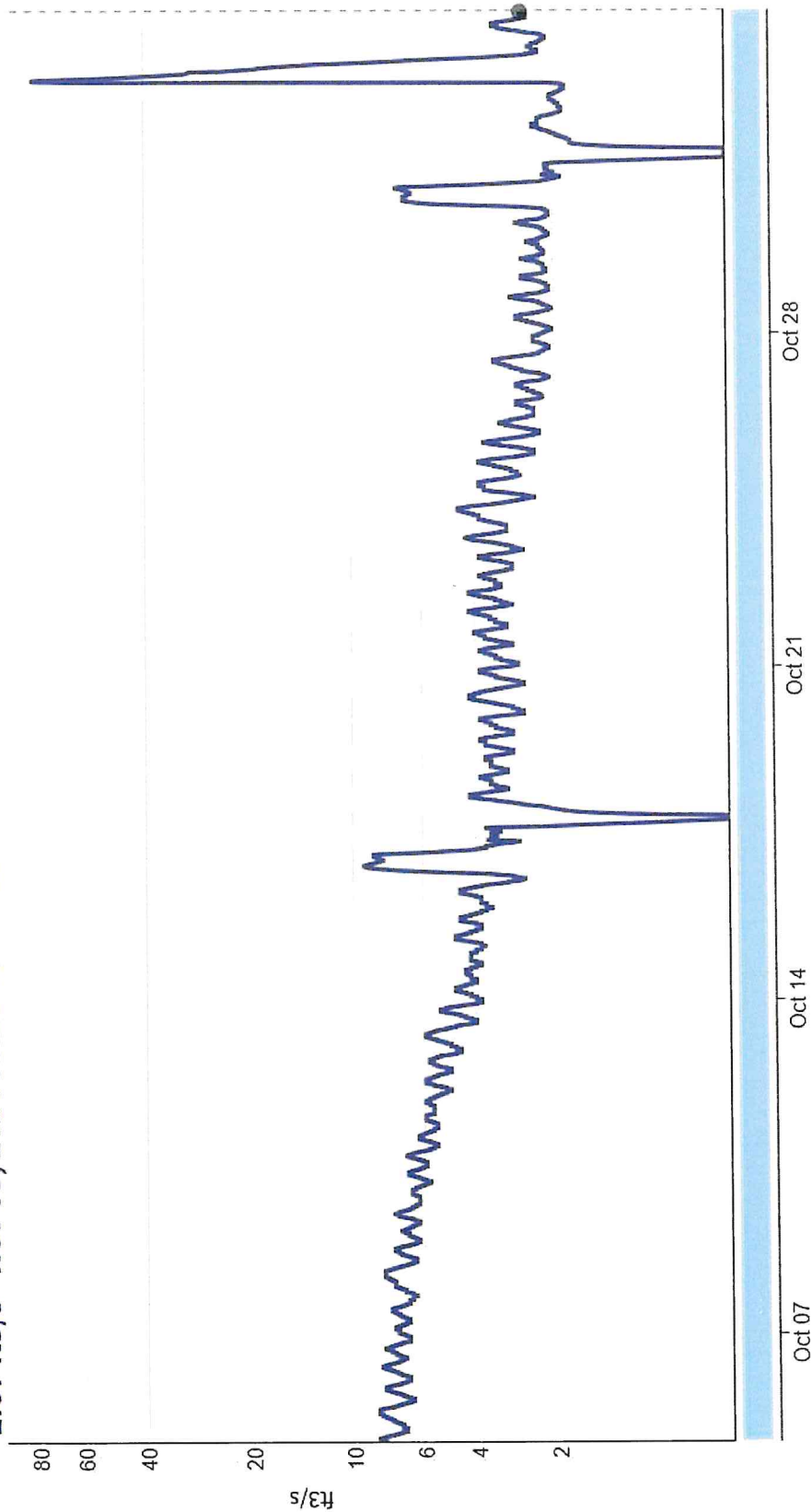
Kinney County Groundwater Conservation District (Map O-2)

Las Moras Spgs Dws of pool at Brackettville, TX - 08456310

October 4, 2024 - November 3, 2024

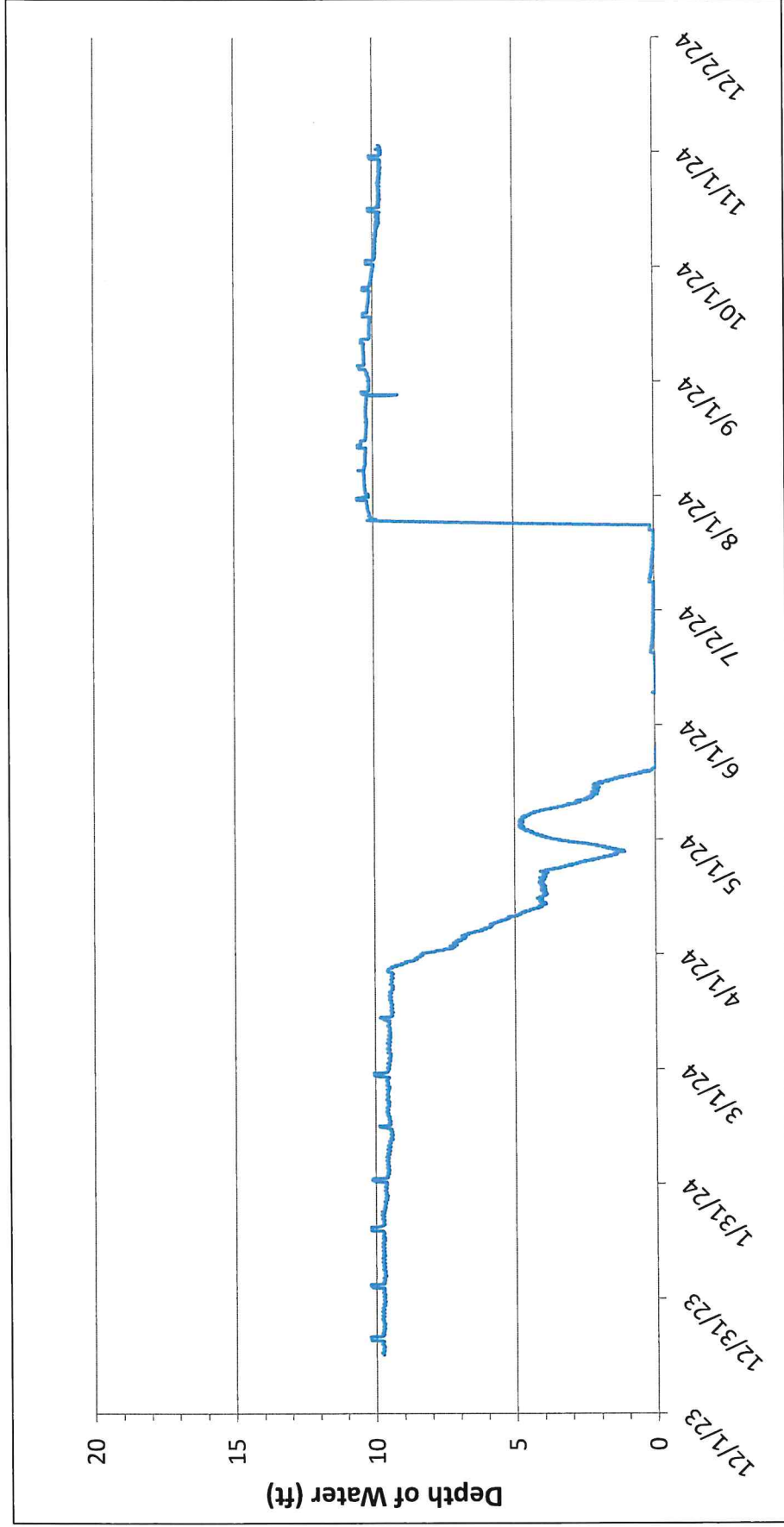
Discharge, cubic feet per second

2.67 ft³/s - Nov 03, 2024 05:15:00 PM CST



Las Moras Spring

Depth of Water (ft)



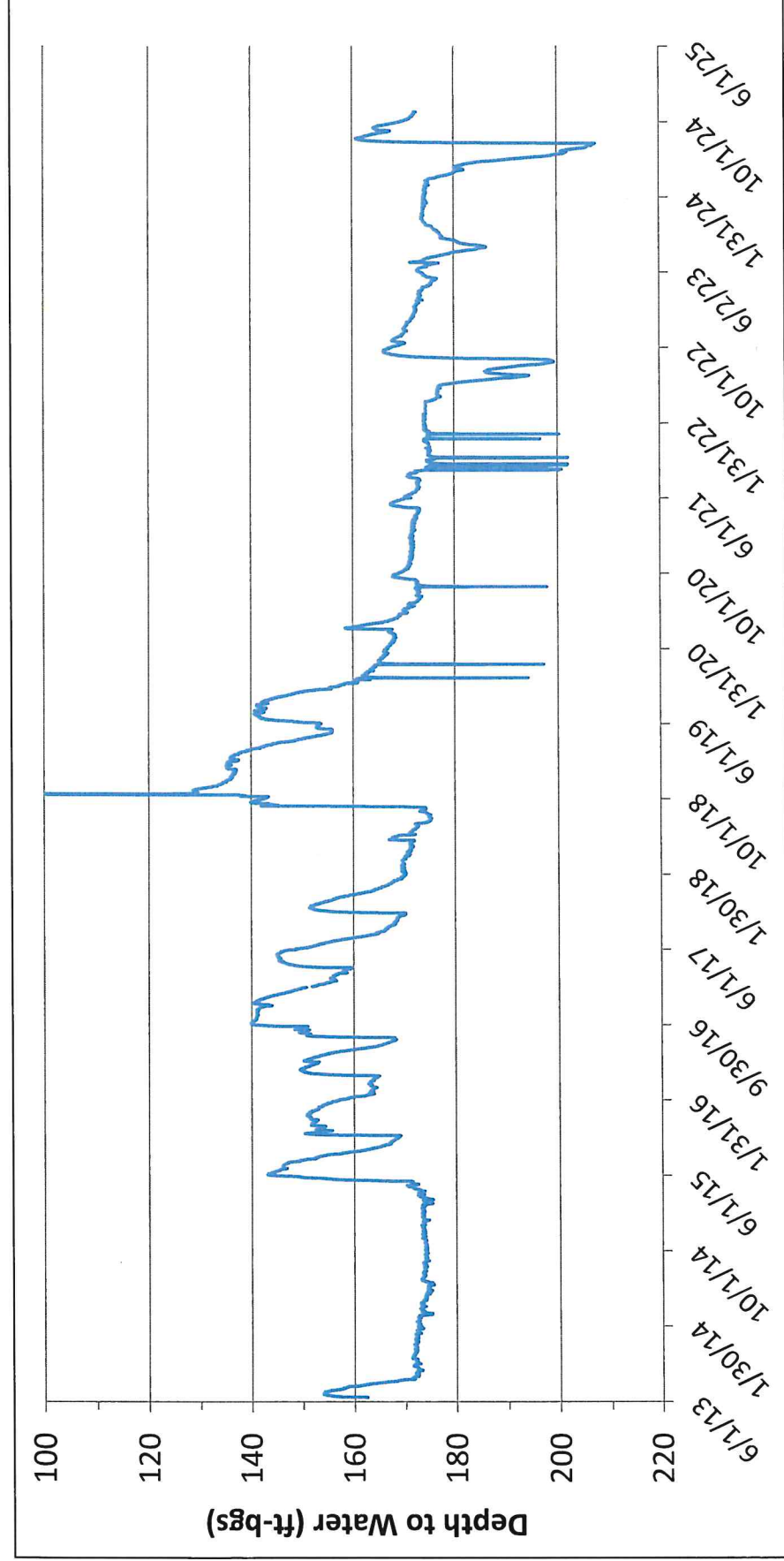
PRELIMINARY

11/3/2024

Lindsey Monitoring Well

TD = 600 ft, RP = 1277 ft-msl, BFZ(s), TWDB No. 7046103

Depth to Water (ft-bgs)



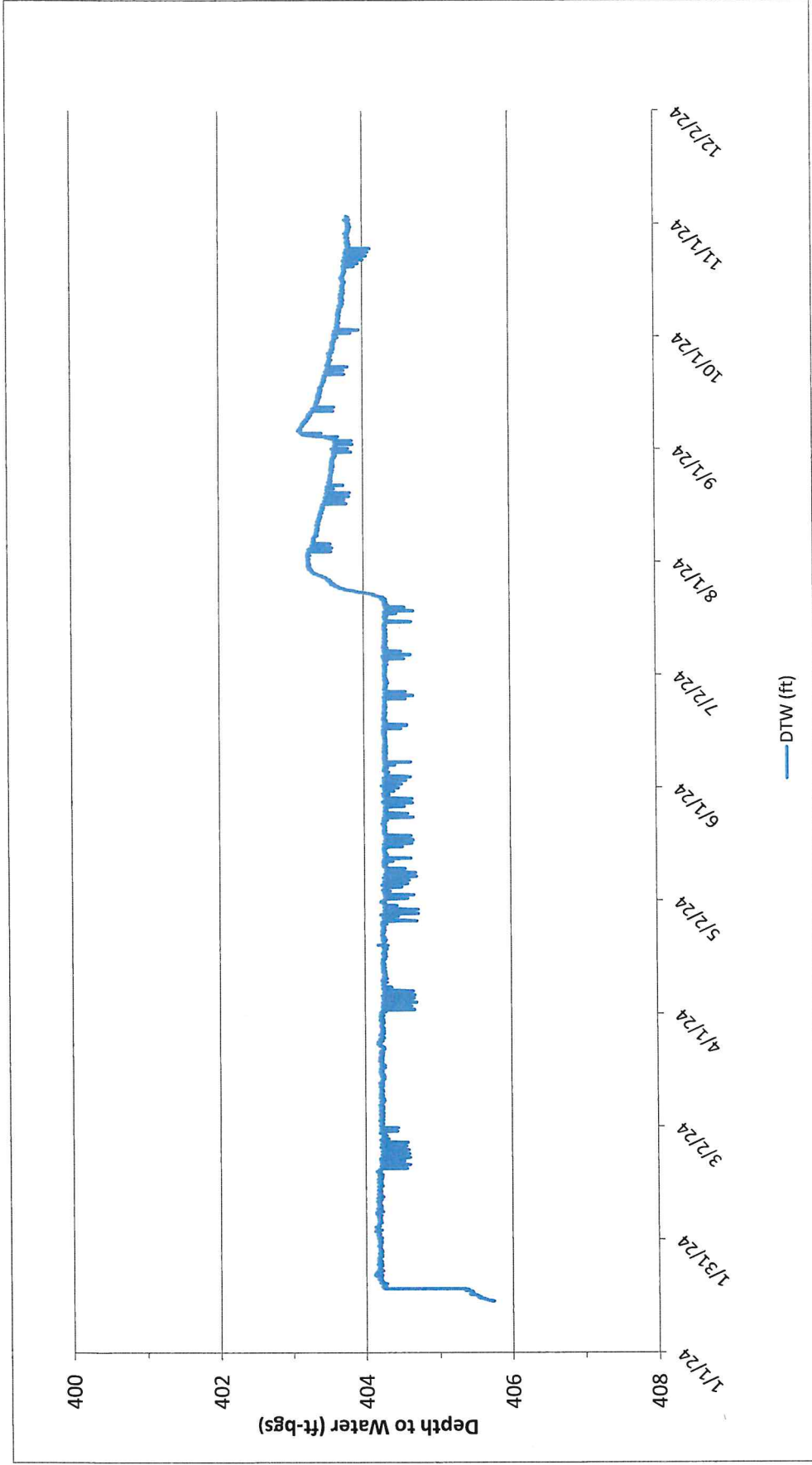
PRELIMINARY

11/3/2024

The Hill Well (Edwards Co.)

TD = >550 ft, RP = 2104 ft msl

Depth to Water (ft-bgs)



PRELIMINARY

11/3/2024

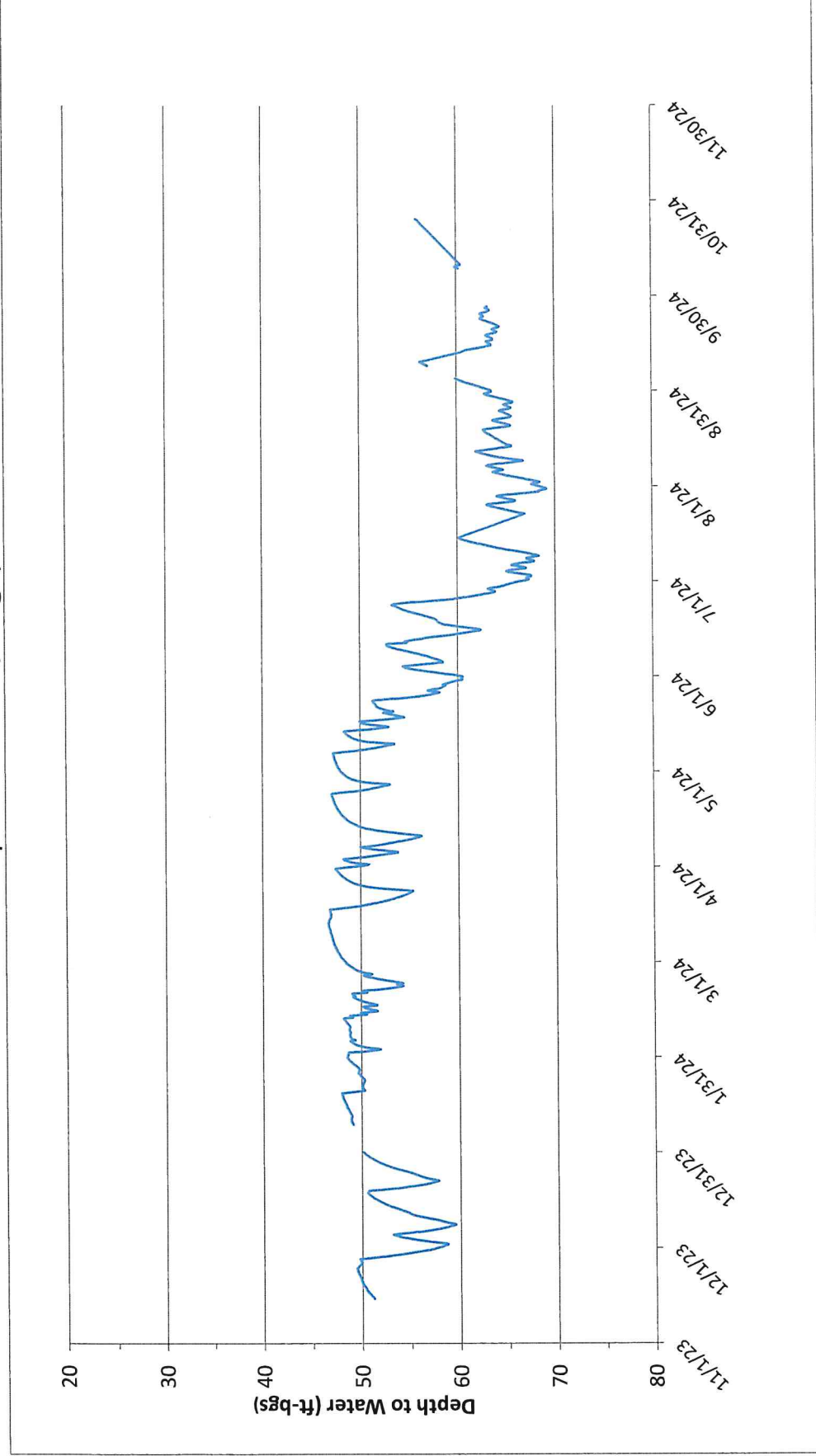
Kinney County Groundwater Conservation District (Map # 59)

EcoKai Environmental, Inc.

Maverick LC - Monitoring Well #1

TD < 250 ft, RP = 1099 ft msl, Austin Chalk

Depth to Water (ft-bgs)

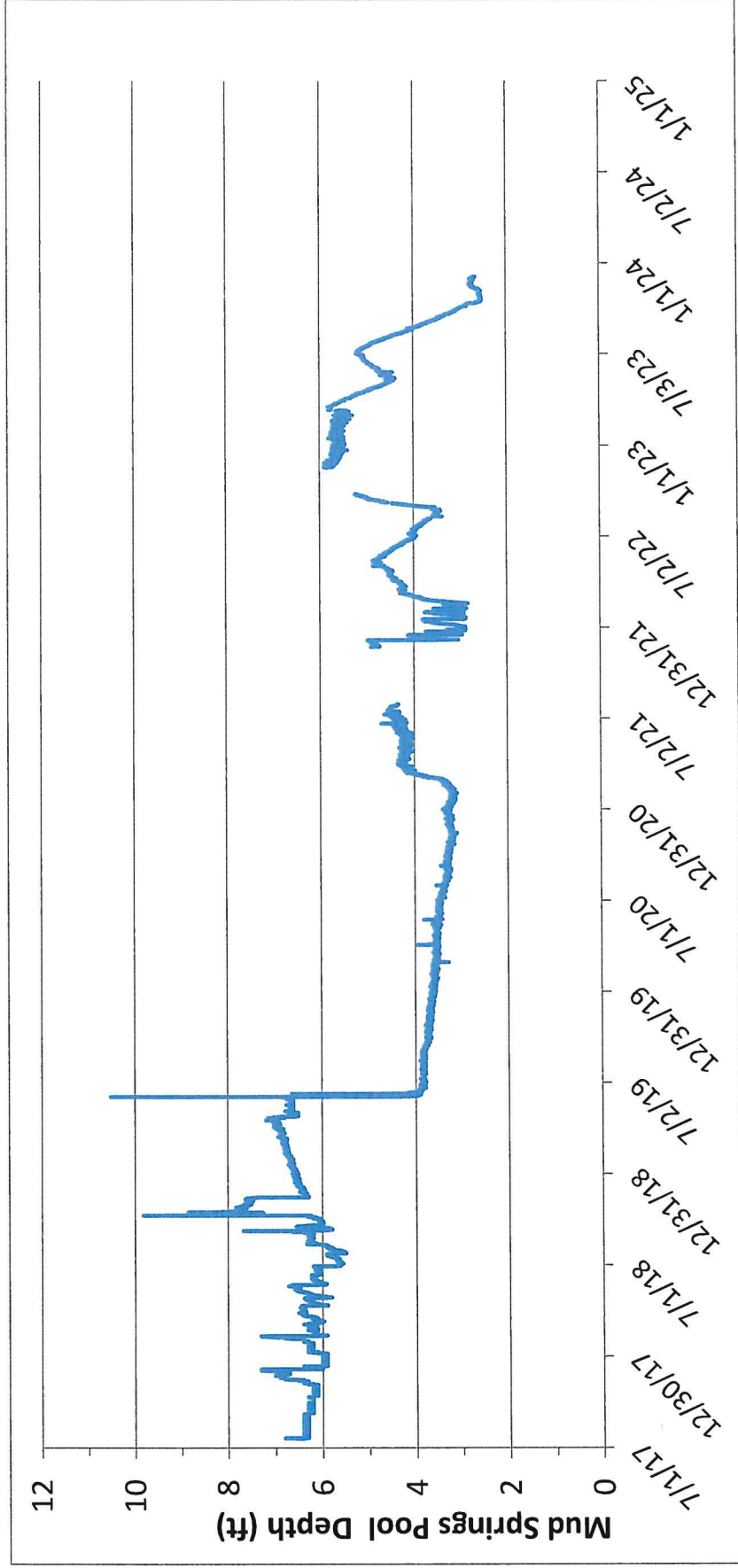


PRELIMINARY

11/3/2024

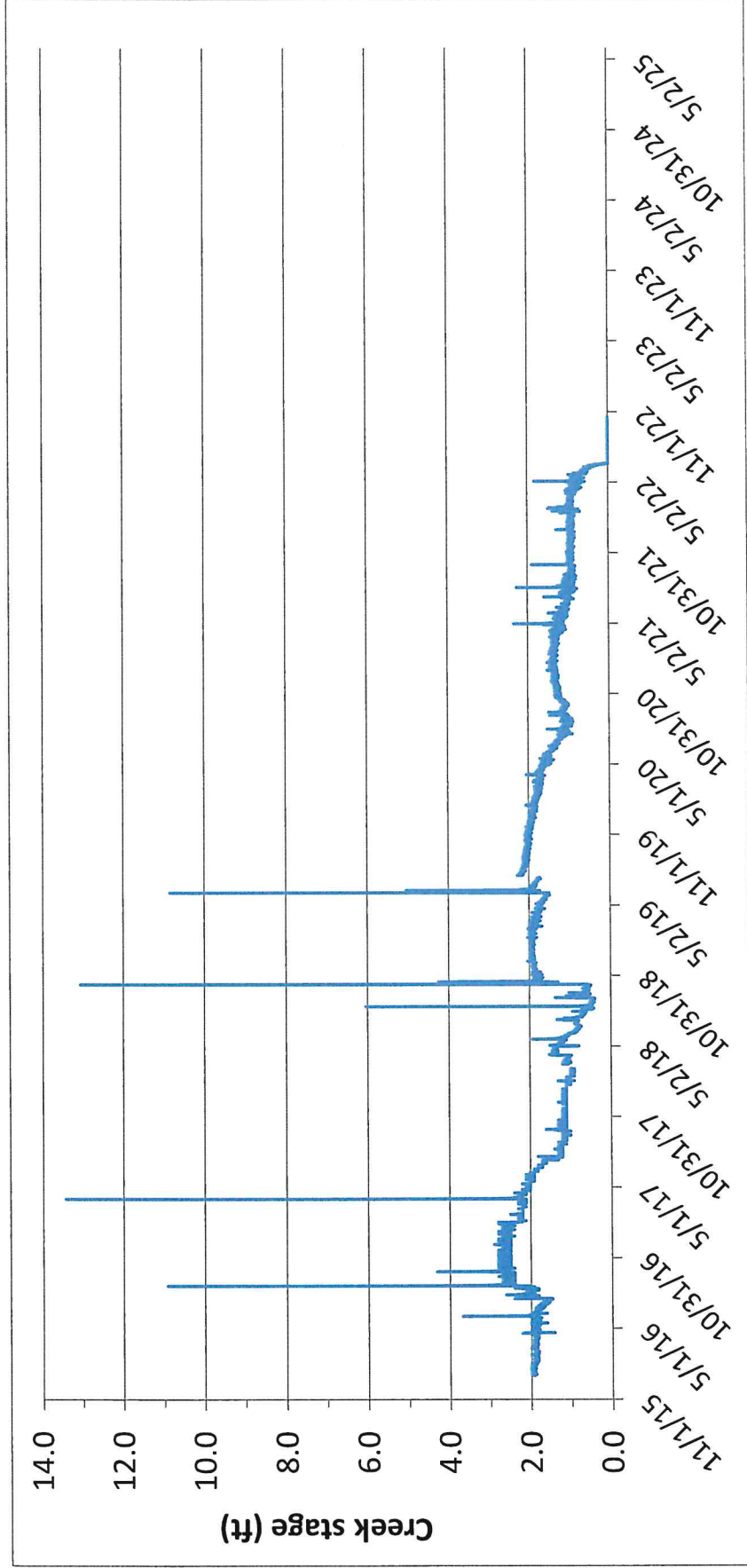
Mud Springs Headwaters

Stage (ft)



Pinto Creek @ HWY 90

Creek Stage (ft)



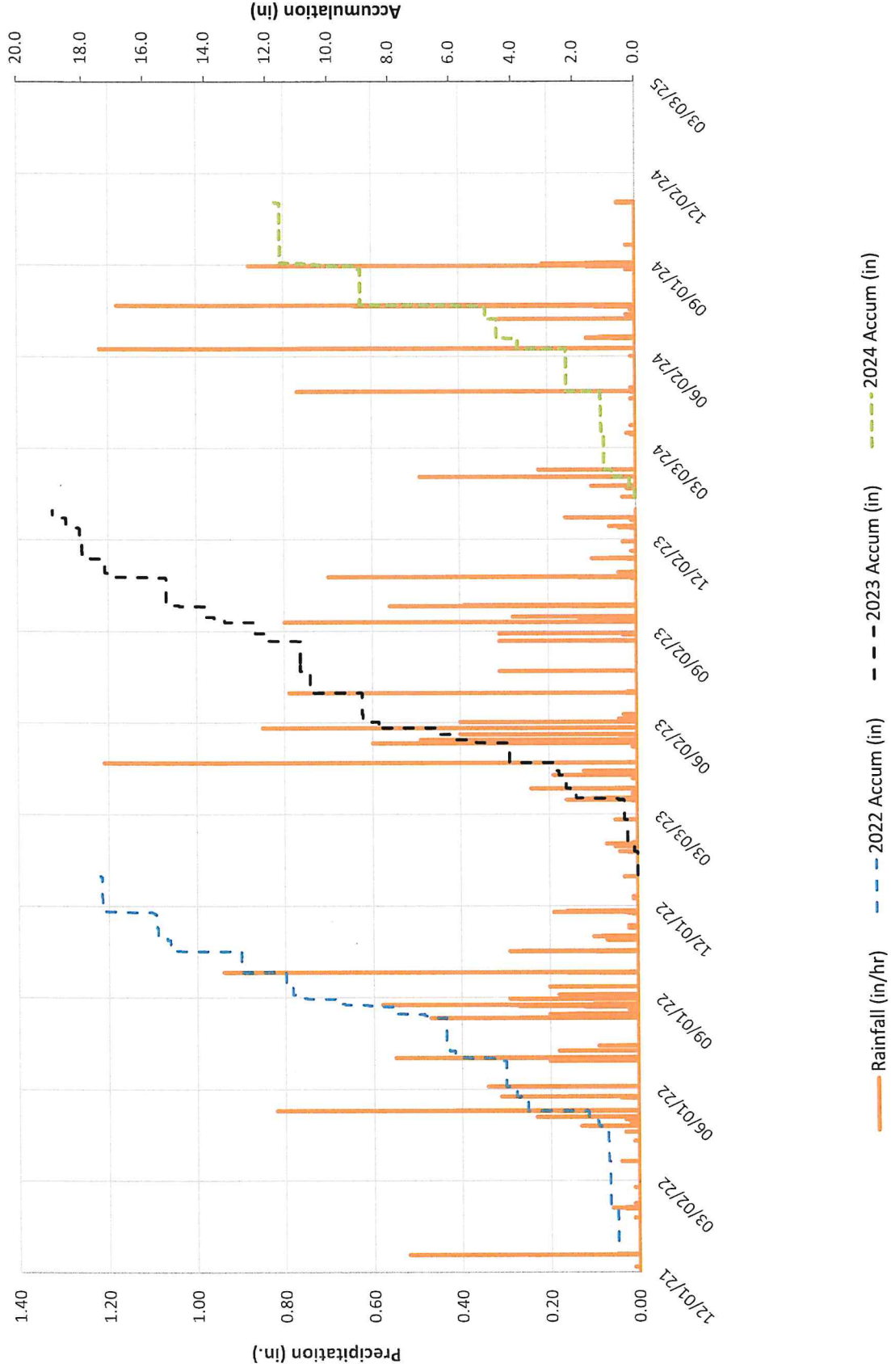
PRELIMINARY

11/3/2024

Kickapoo Rain Gauge No. 1

Measured Rainfall (inches)

Reported Hourly



PRELIMINARY

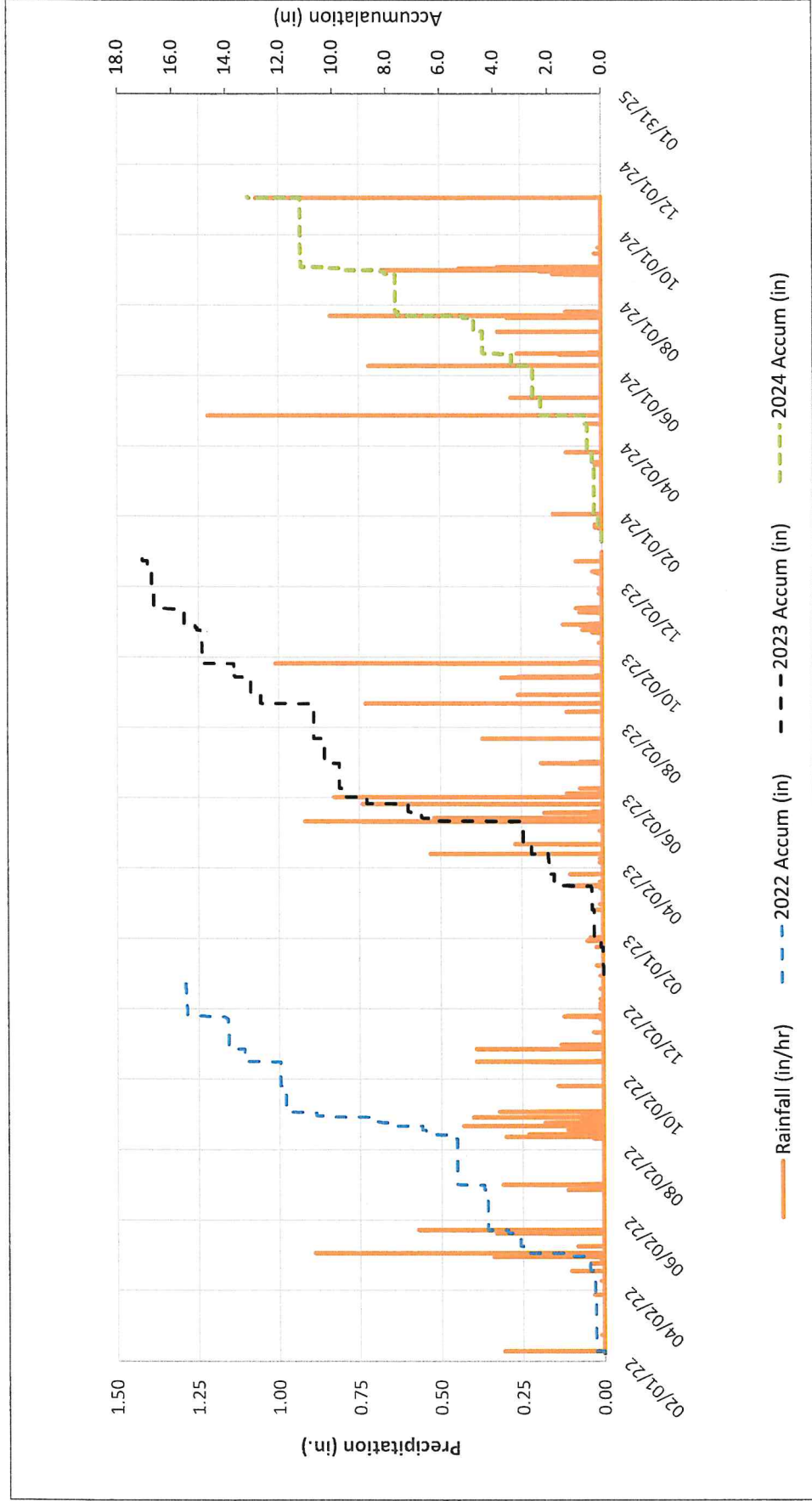
11/3/2024

Kinney County Groundwater Conservation District (Map # R-1)

Dooley Rain Gauge No. 2

Measured Rainfall (inches)

Reported Hourly



PRELIMINARY

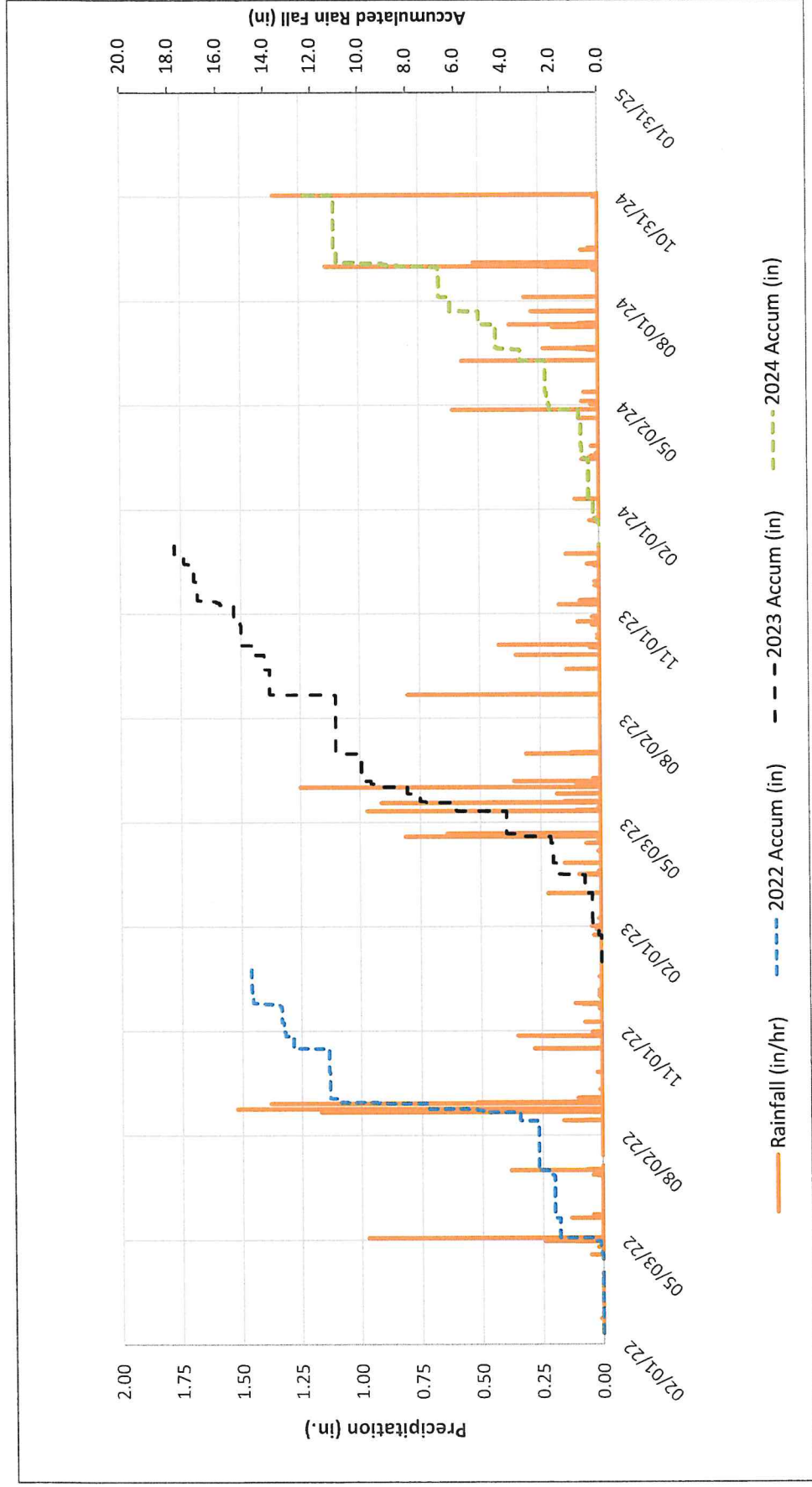
11/3/2024

Kinney County Groundwater Conservation District (Map # R-2)

Toft Ranch Rain Gauge No. 4

Measured Rainfall (inches)

Reported Hourly



PRELIMINARY

11/3/2024

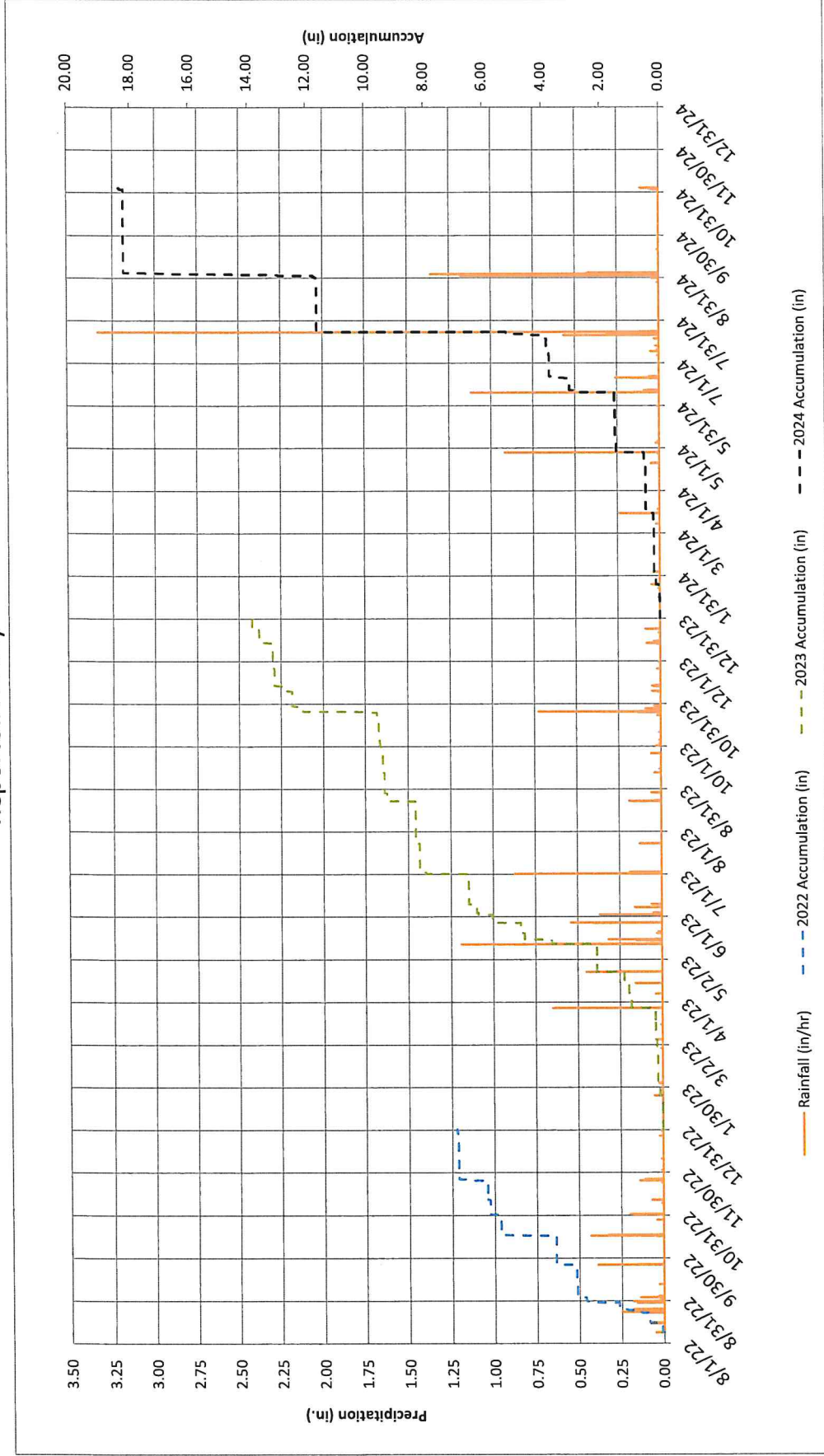
Kinney County Groundwater Conservation District (Map # R-4)

EcoKai Environmental, Inc.

Rain Gauge No. 5 (Val Verde Co.)

Measured Rainfall (inches)

Reported Hourly



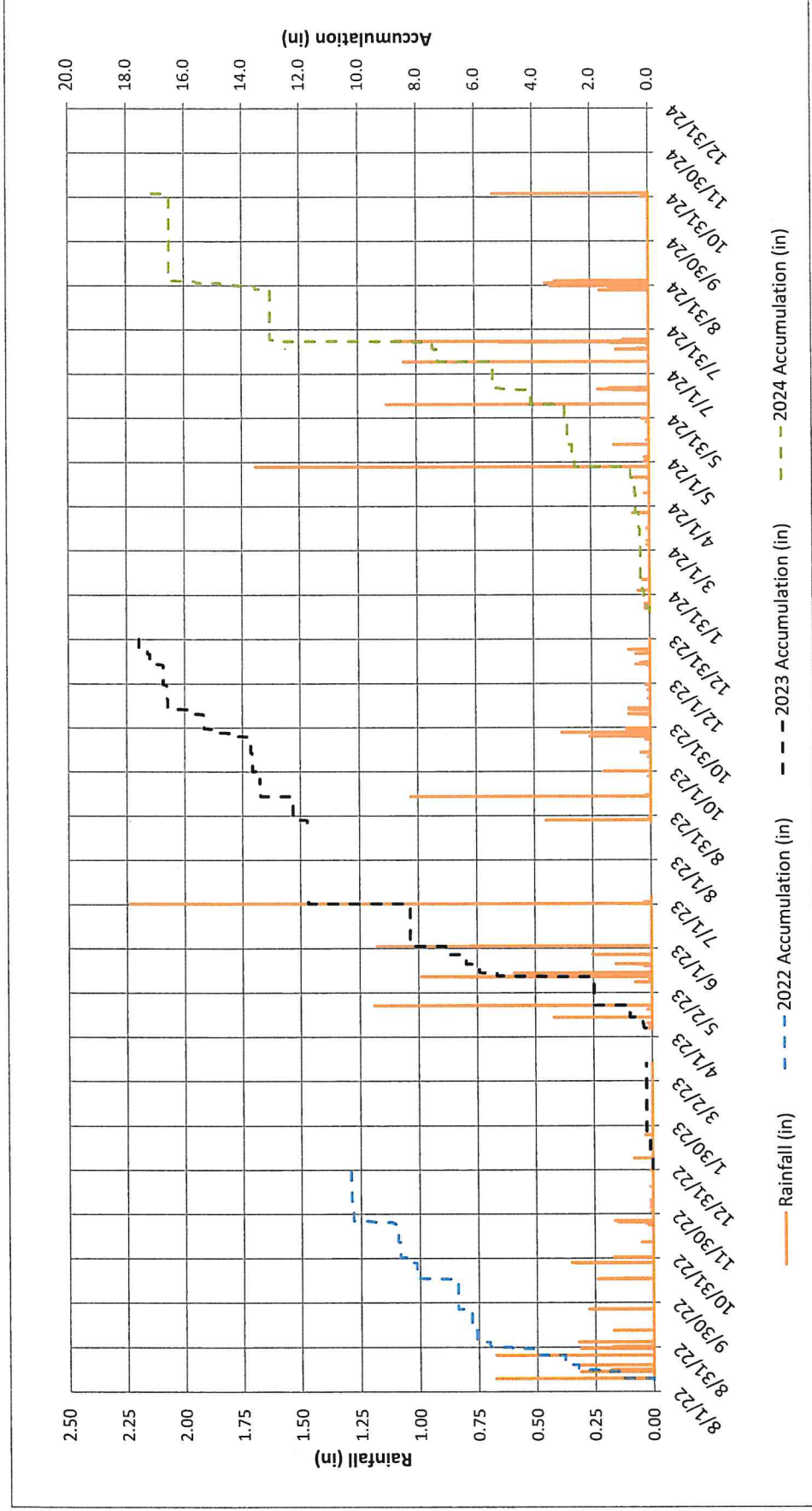
PRELIMINARY

11/3/2024

#172 Rain Gauge No. 6

Measured Rainfall (inches)

Reported Hourly



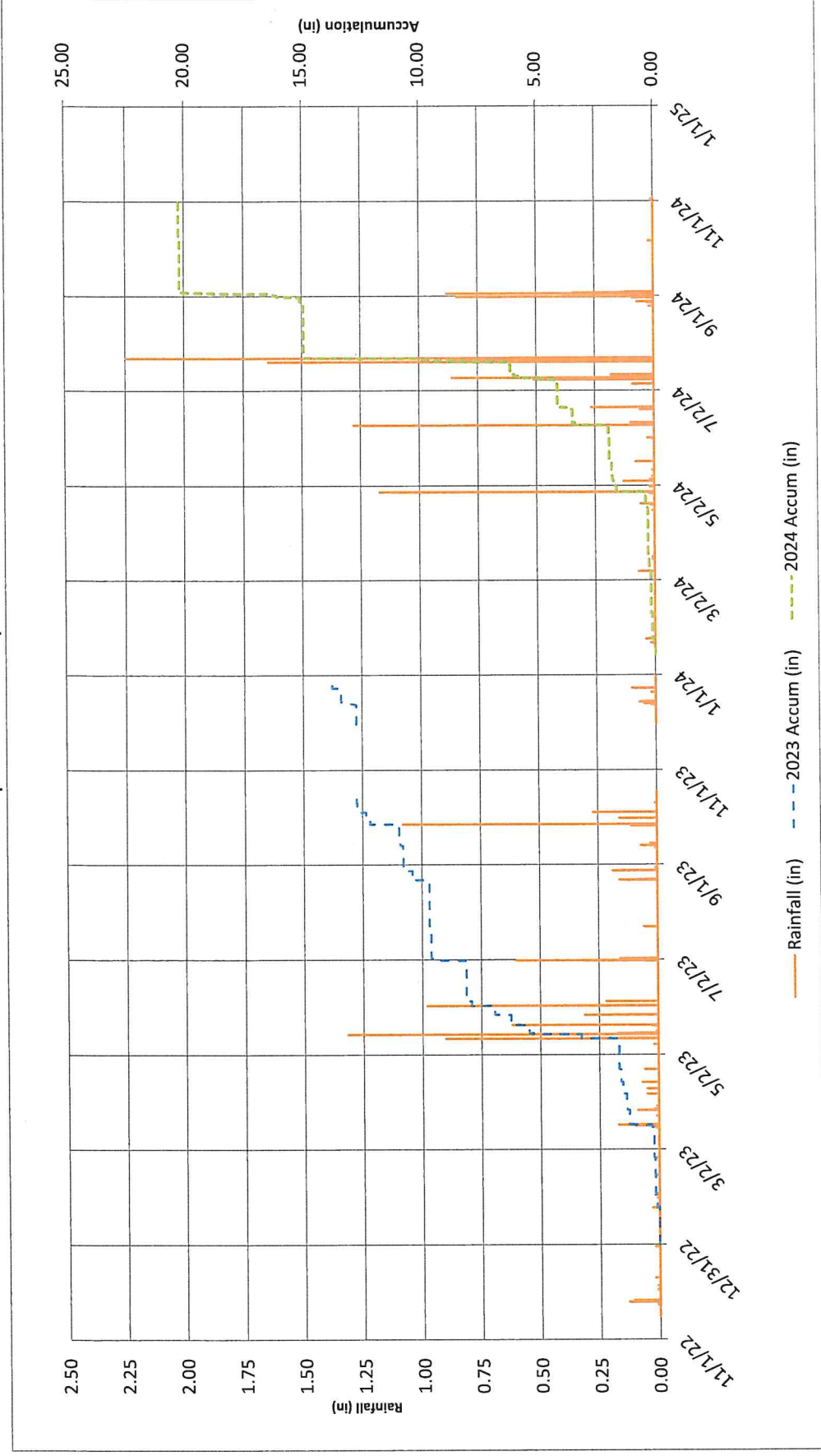
PRELIMINARY

11/3/2024

Rain Gauge No. 7 (Edwards Co.)

Measured Rainfall (inches)

Reported Hourly



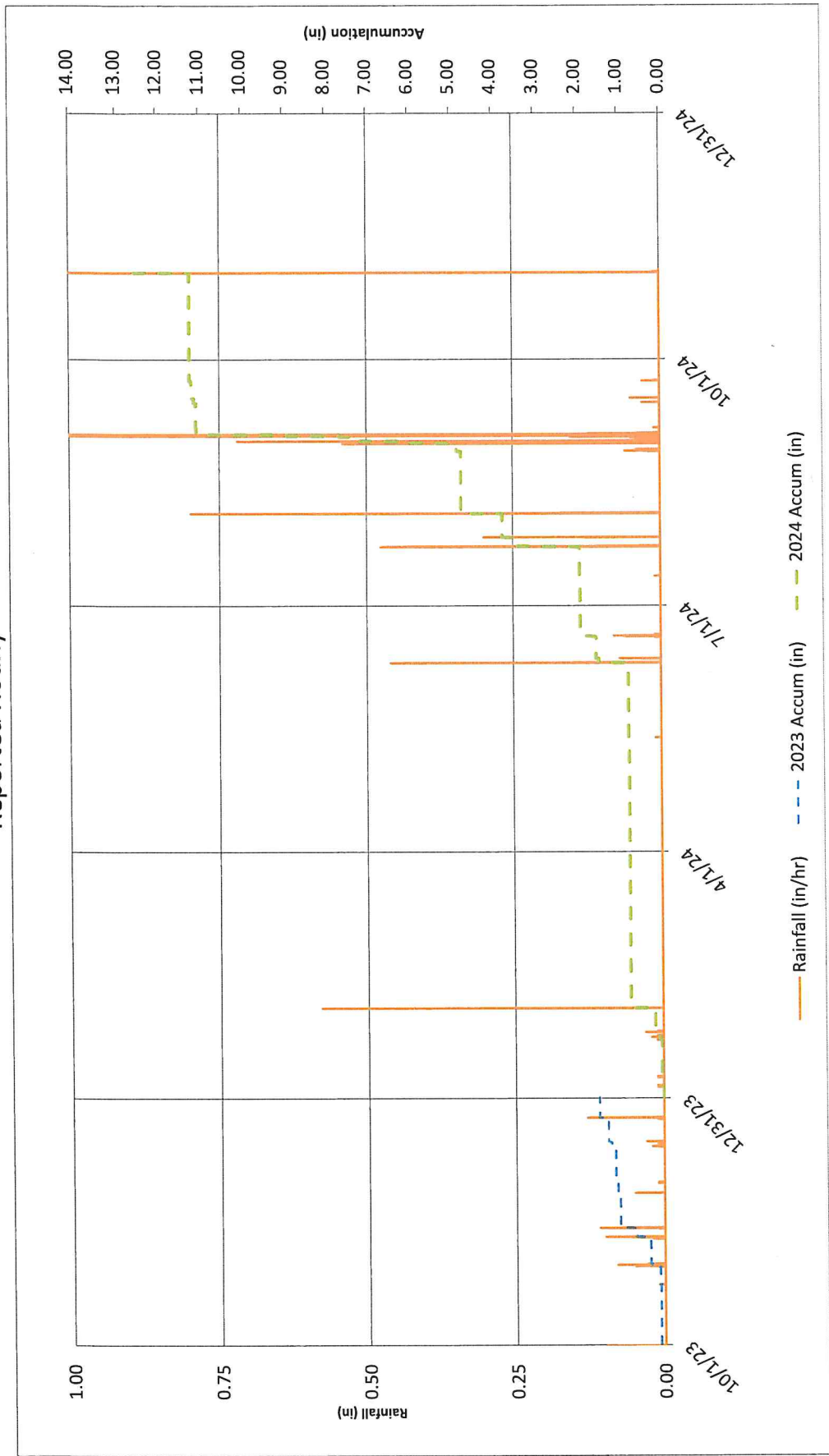
PRELIMINARY

11/3/2024

Pinto Creek Rain Gauge No. 8

Measured Rainfall (inches)

Reported Hourly



PRELIMINARY

11/3/2024

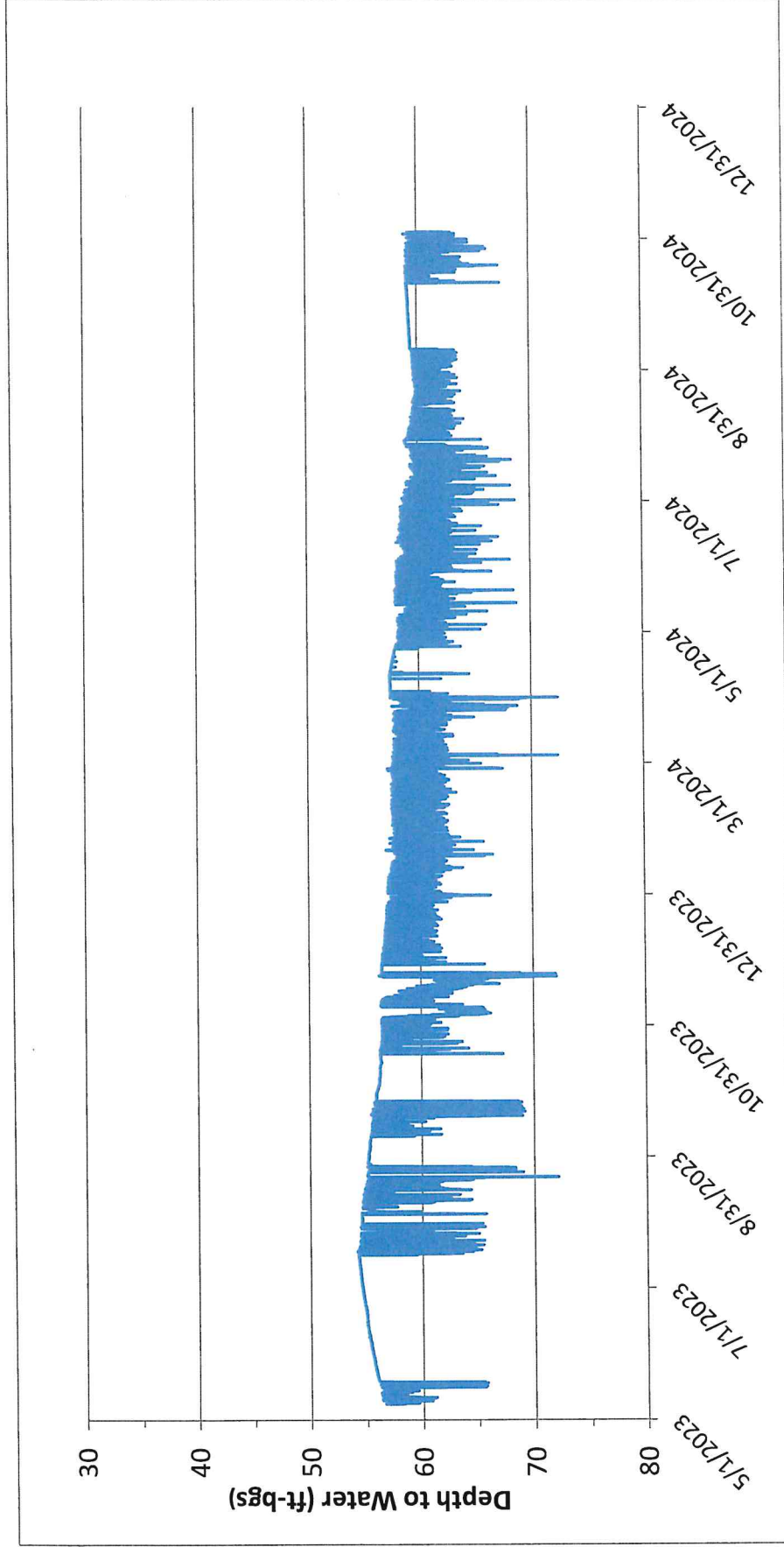
Kinney County Groundwater Conservation District (Map R-8)

EcoKai Environmental, Inc.

RS Old House Well

TD = 70ft, RP = 1075 ft-msl, Austin Chalk

Depth to Water (ft-bgs)



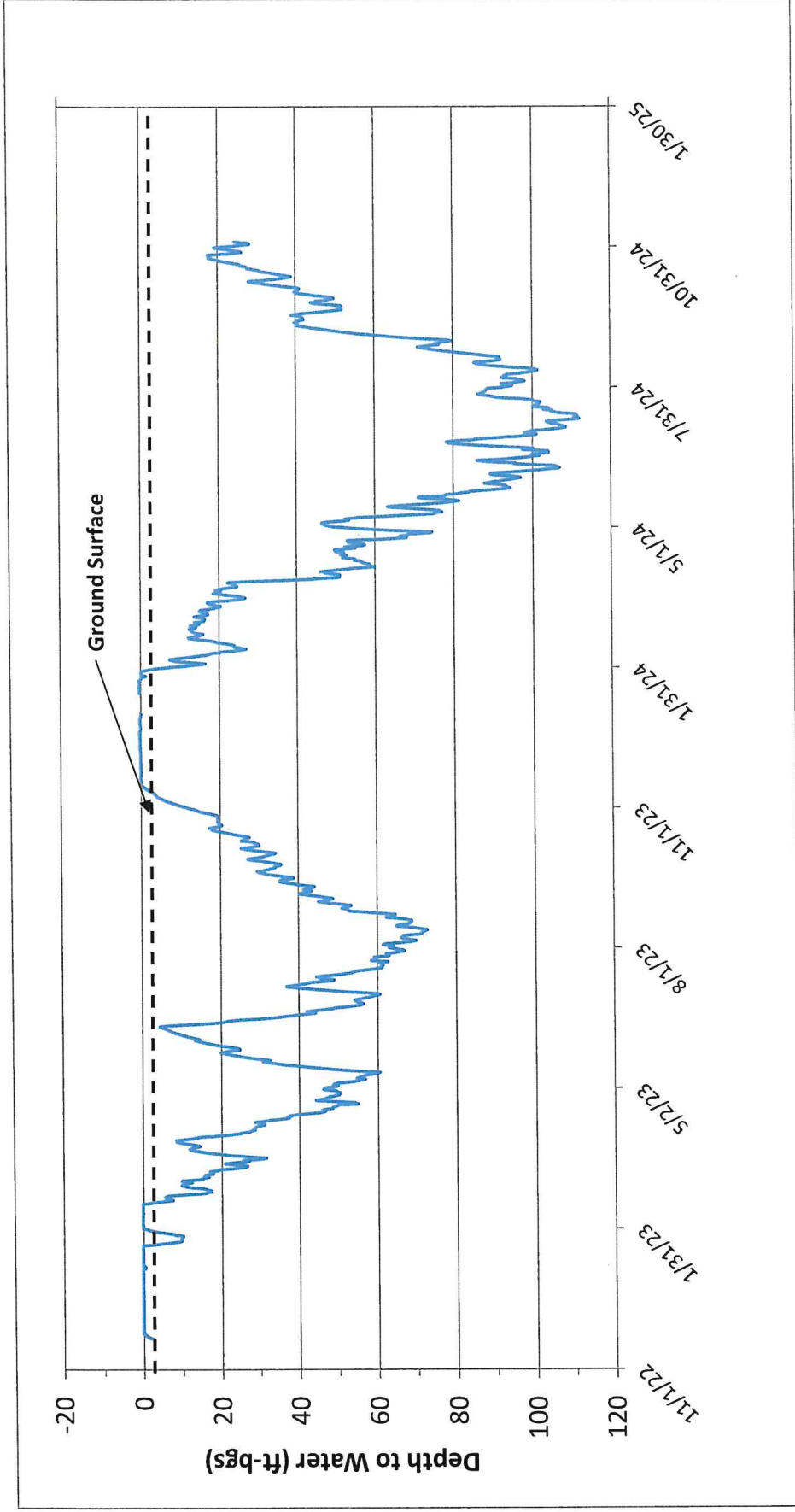
PRELIMINARY

11/3/2024

Ole Stinky

TD ~1500 ft, RP = 1064 ft-msl, TPS

Depth to Water (ft-bgs)



PRELIMINARY

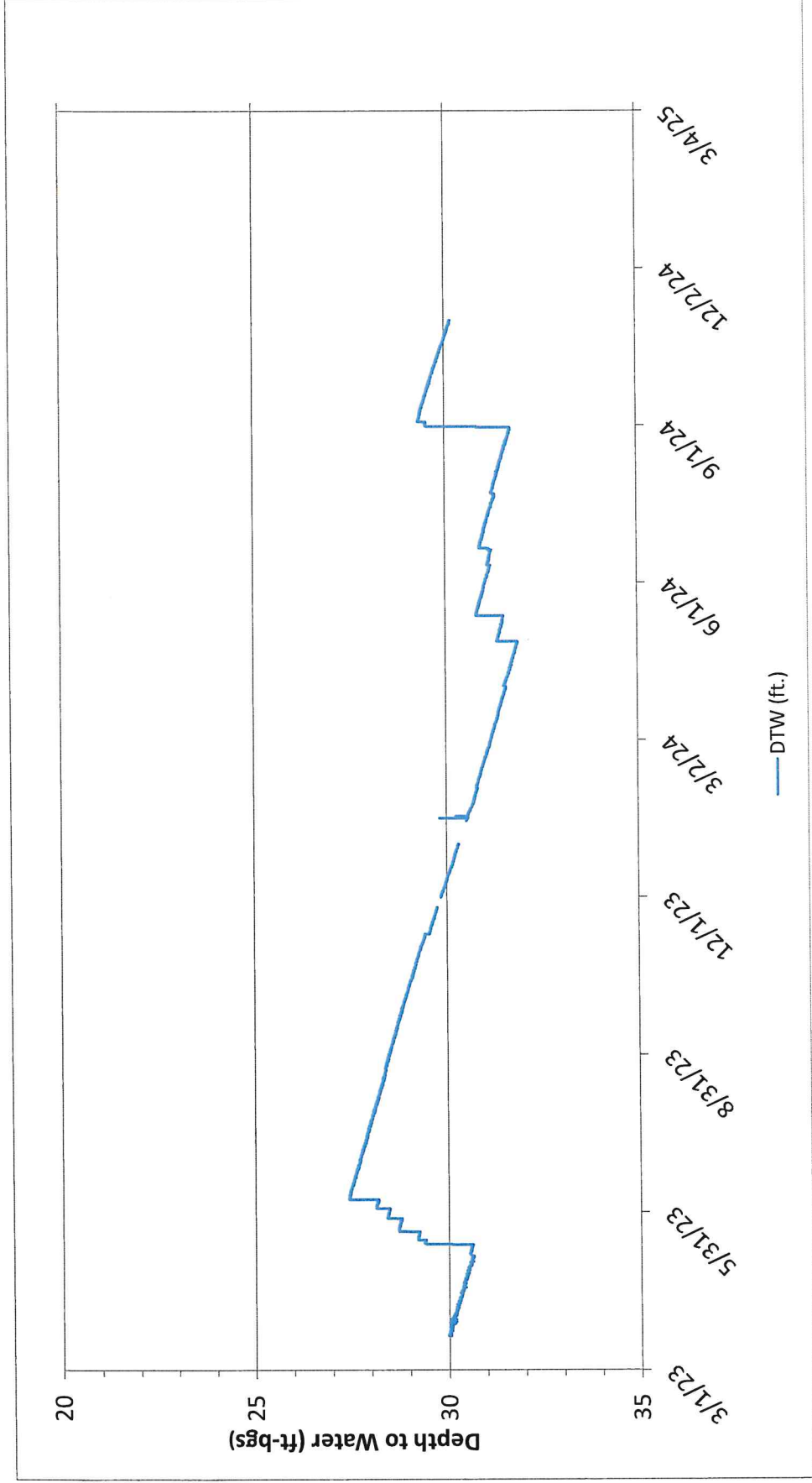
11/3/2024

Kinney County Groundwater Conservation District (Map #57)

RS Open Well

TD = 1760, RP = 1064 ft-msl, TPS, TWDB No. 7044804

Depth to Water (ft-bgs)



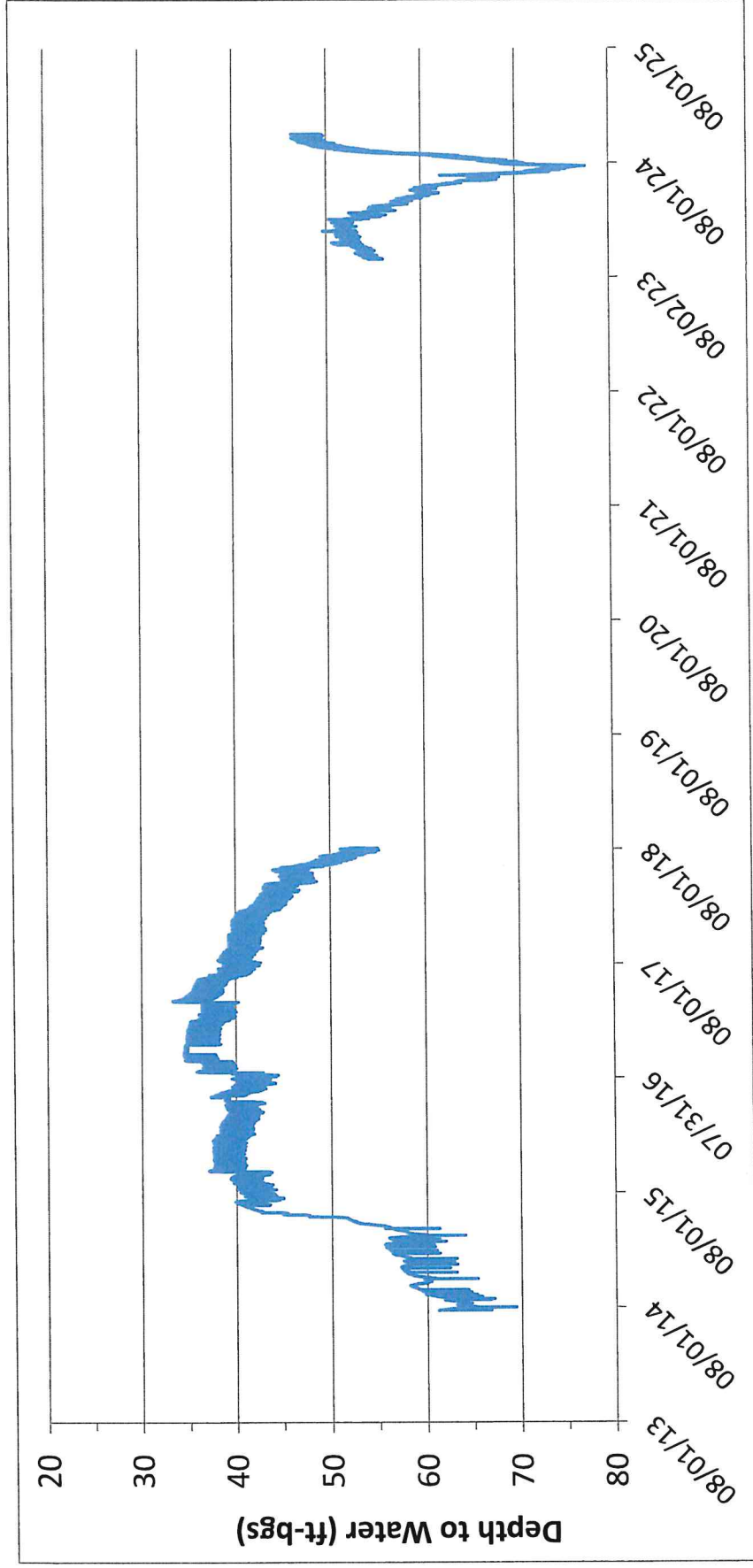
PRELIMINARY

11/3/2024

So. Pinto Windmill #1

TD = 98 ft, RP = 1232 ft-msl, TPS, TWDB No. 7037810

Depth to Water (ft-bgs)



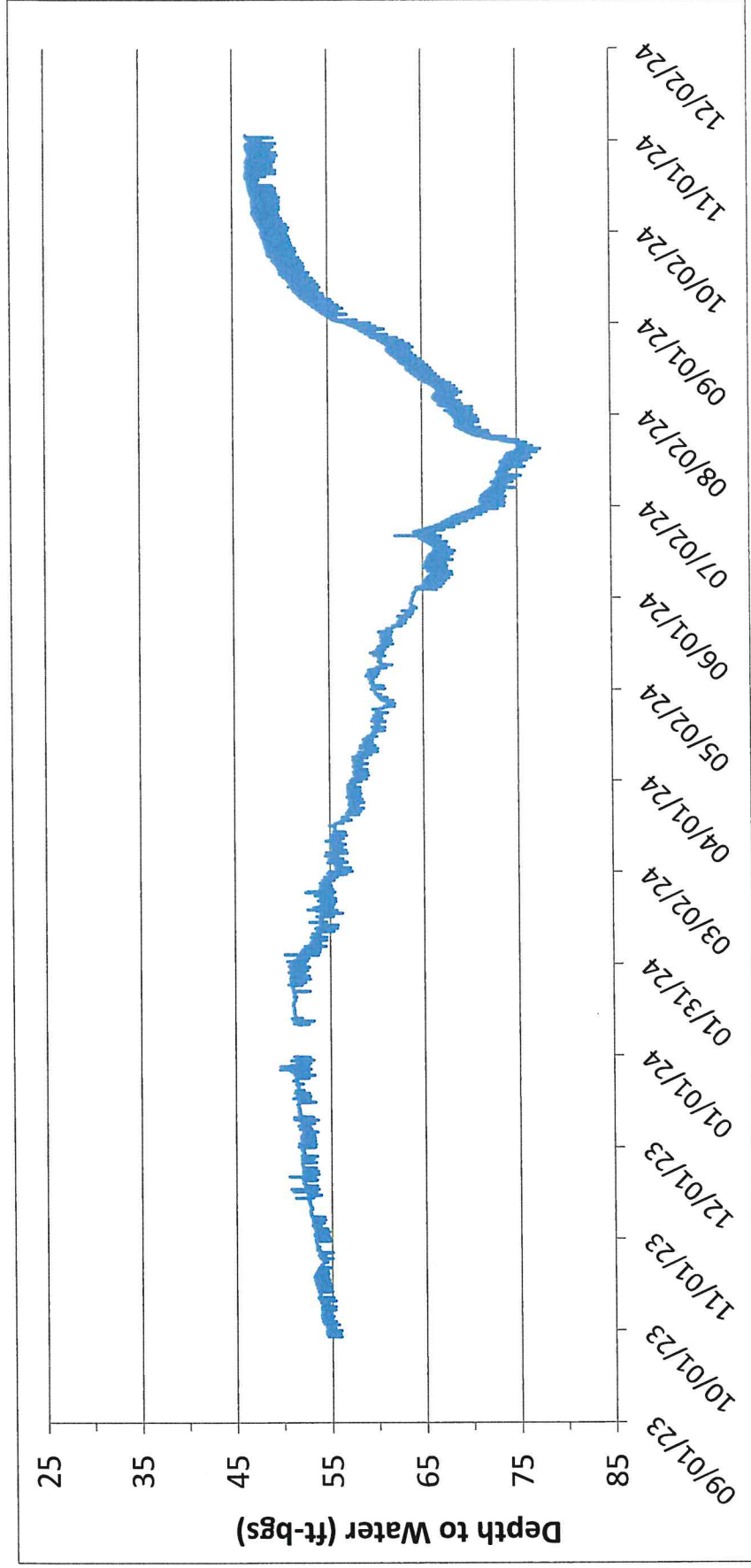
PRELIMINARY

11/3/2024

So. Pinto Windmill #1

TD = 98 ft, RP = 1232 ft-msl, TPS, TWDB No. 7037810

Depth to Water (ft-bgs)



PRELIMINARY

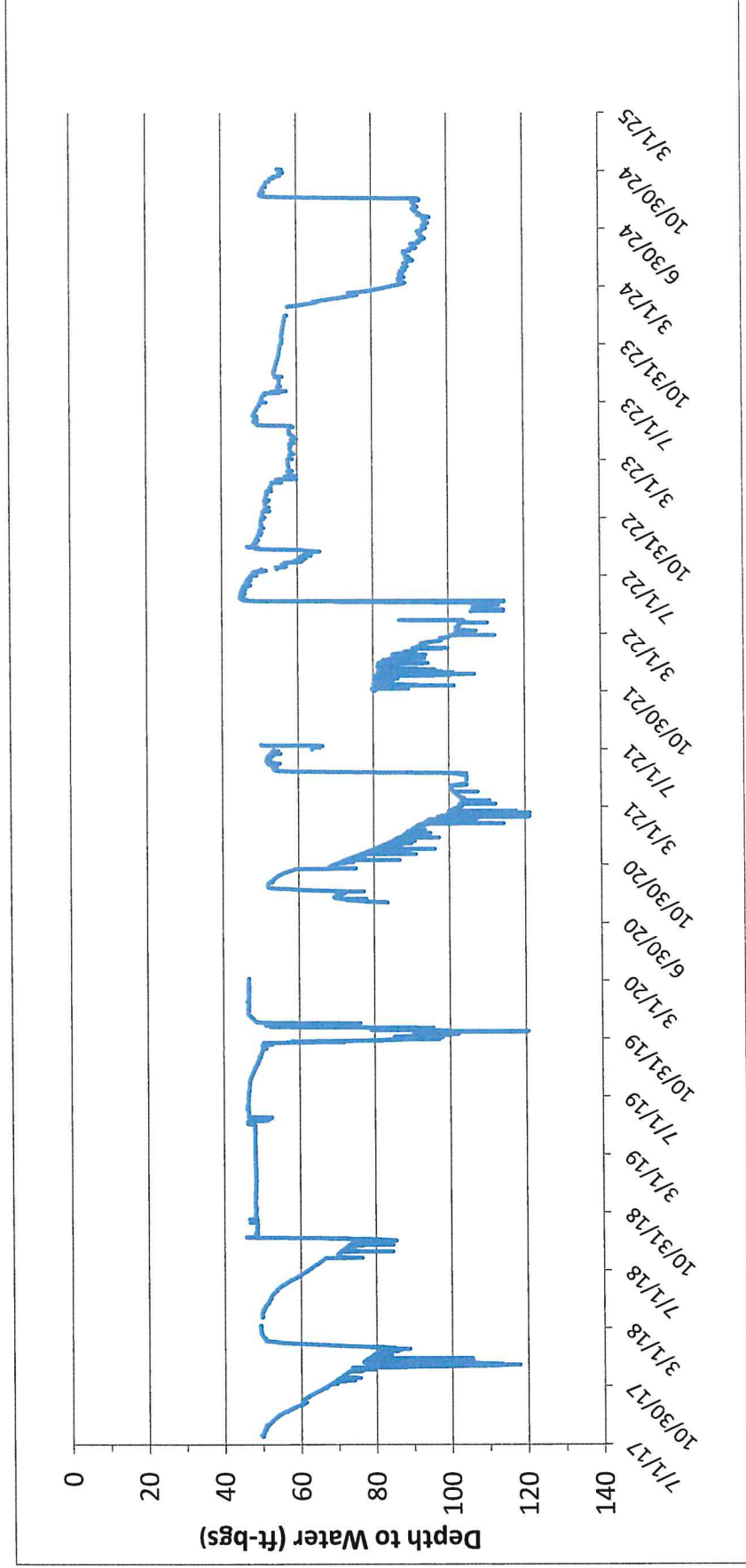
11/3/2024

Kinney County Groundwater Conservation District (Map # 7)

Toft Ranch - Rail Road Well

TD = 150 ft, RP = 1021 ft-msl, Austin Chalk

Depth to Water (ft-bgs)



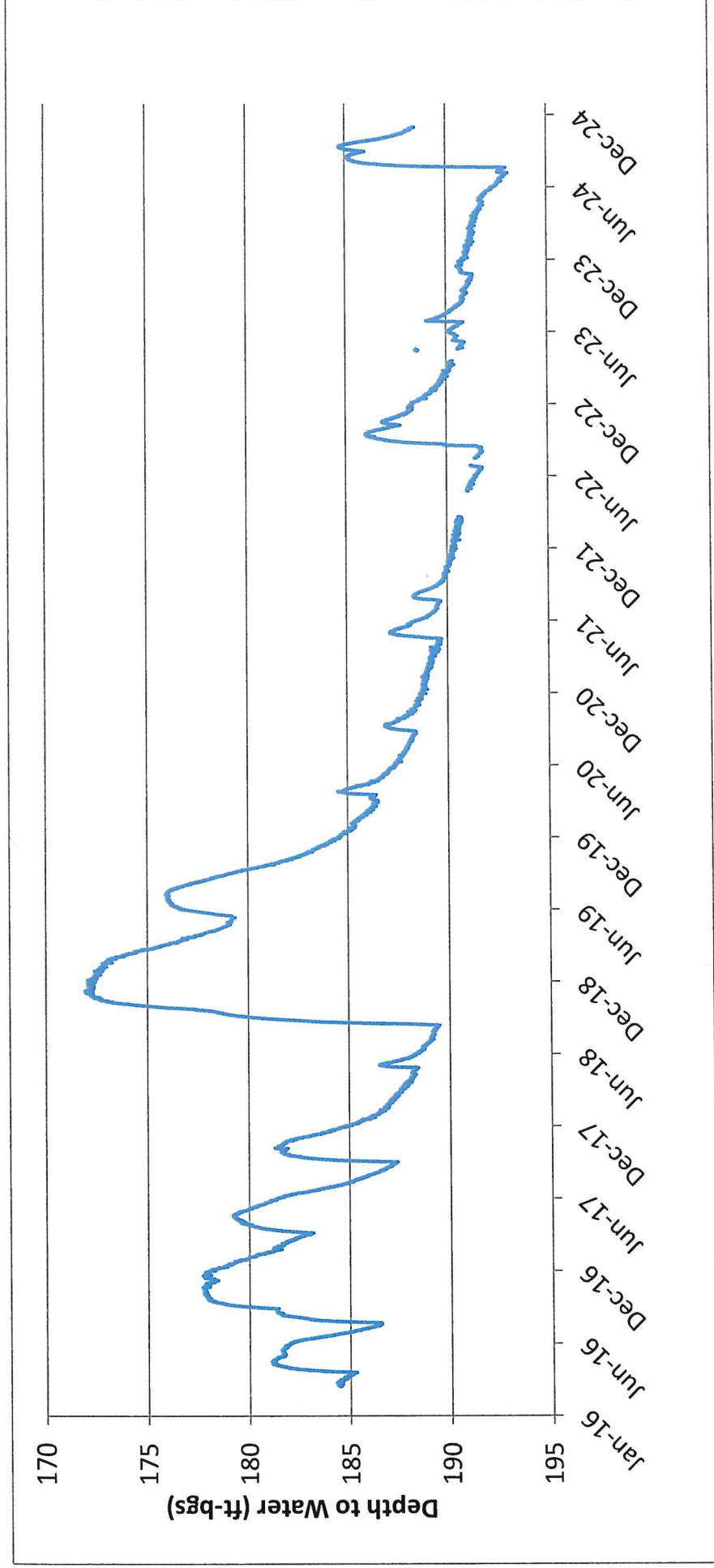
PRELIMINARY

11/3/2024

Tularosa Well

TD = 775 ft, RP = 1382 ft-msl, Edwards BFZ, TWDB No. 7038902

Depth to Water (ft-bgs)*

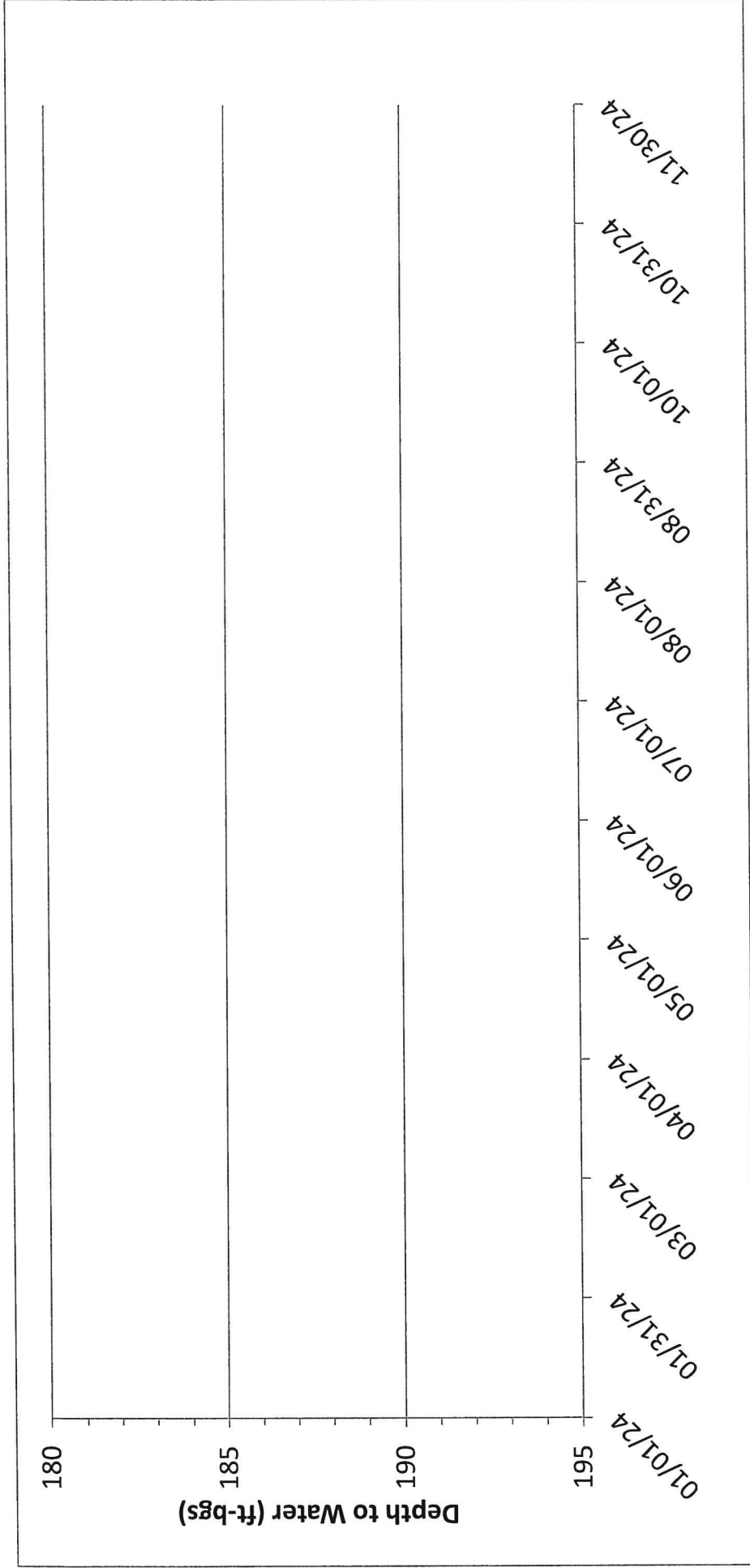


Tularosa Well

TD = 775 ft, RP = 1382 ft-msl, Edwards BFZ, TWDB No. 70388902

Depth to Water (ft-bgs)*

Year to Date



TXDOT East Elm 2

TD = 376 ft, RP = 1086 ft-msl, BFZ(s), TWDB No. 7046802

Depth to Water (ft-bgs)

