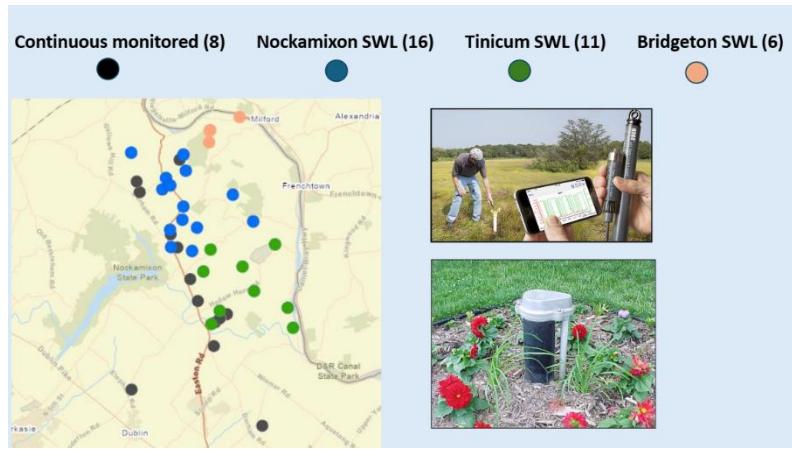
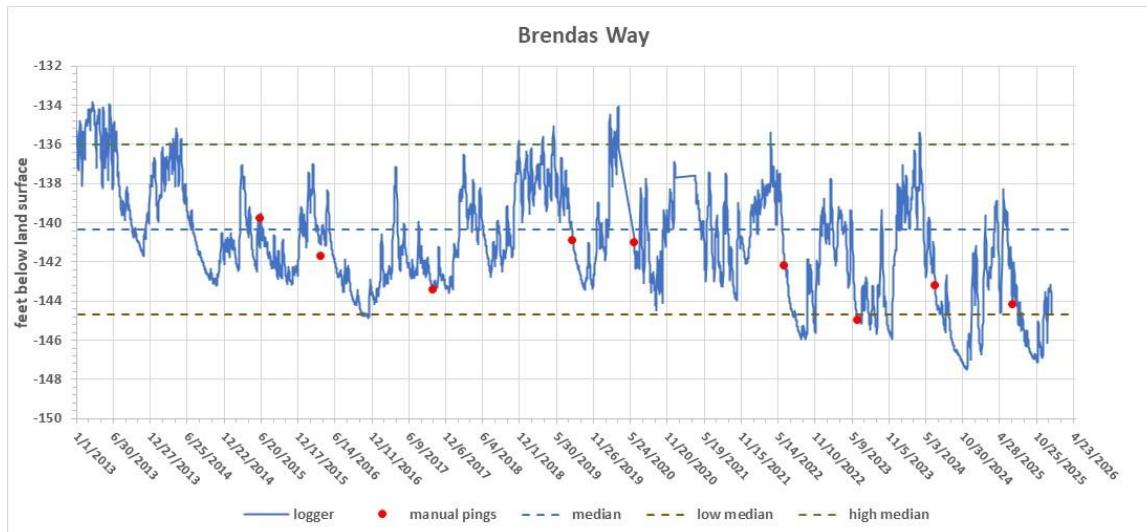


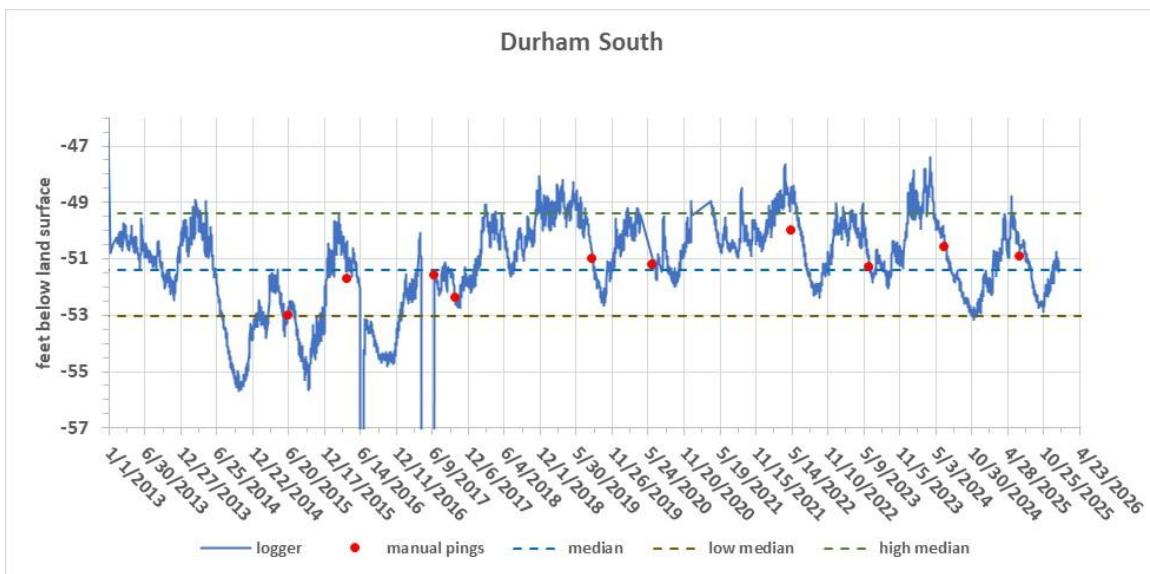
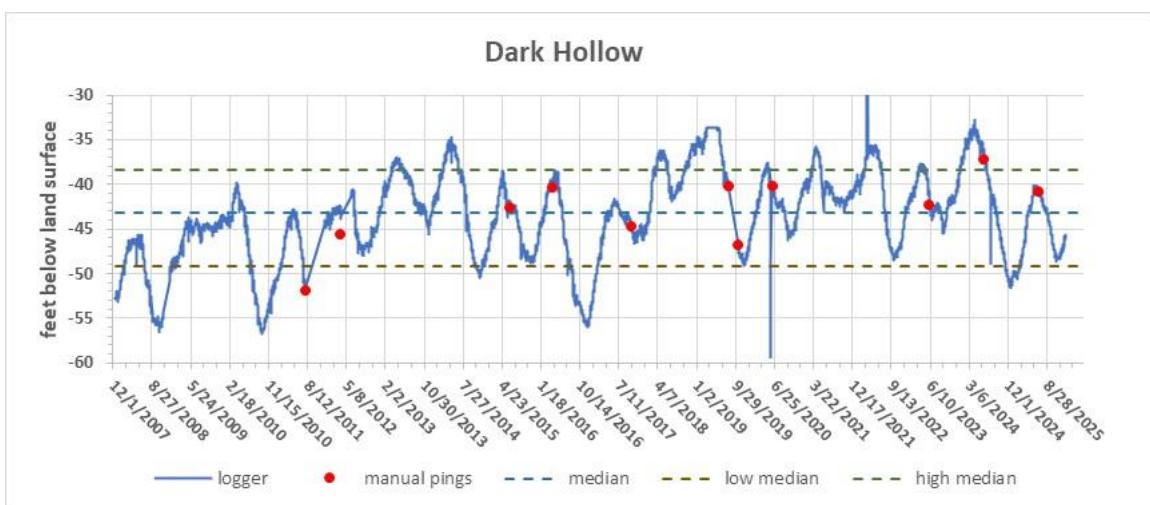
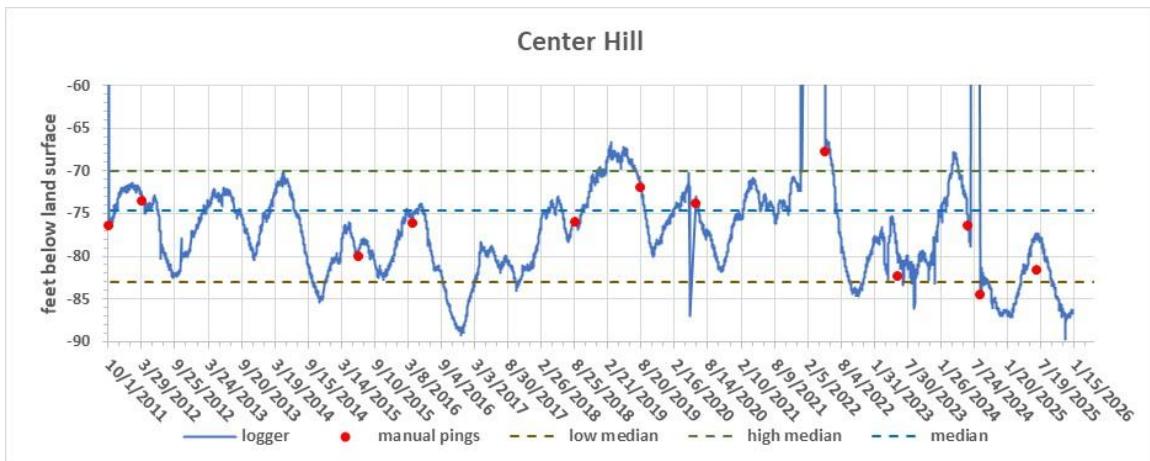
Groundwater Levels

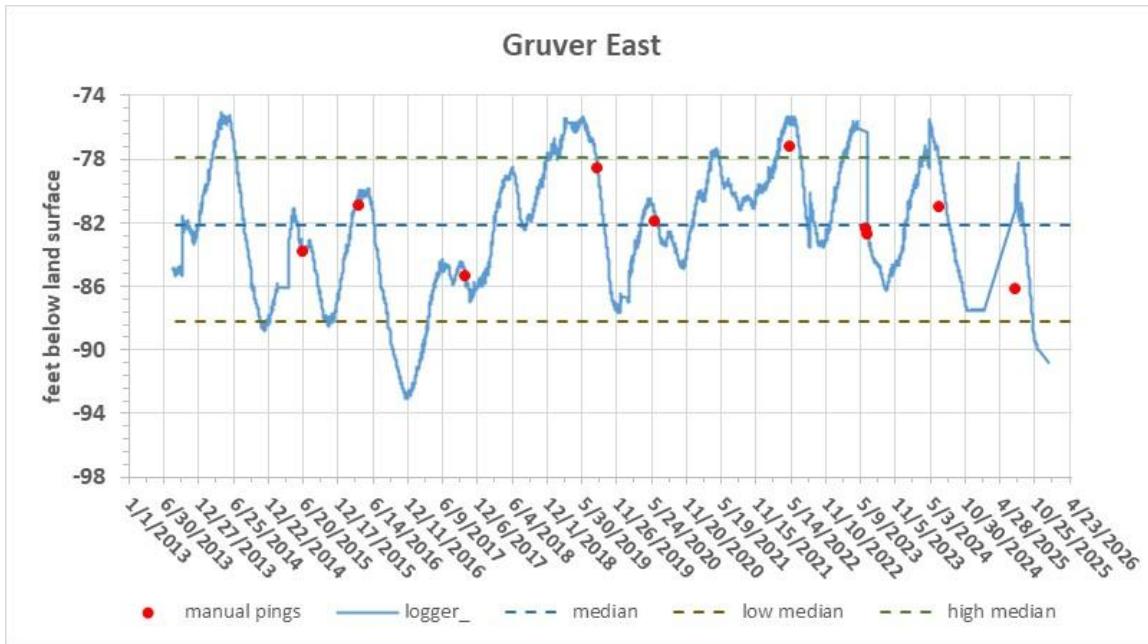
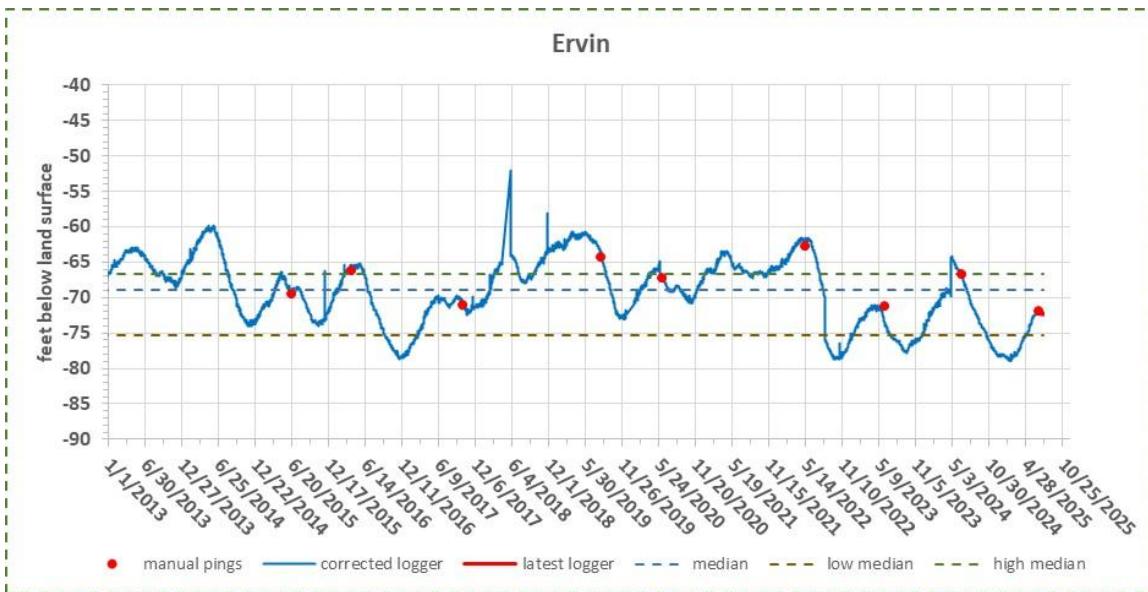


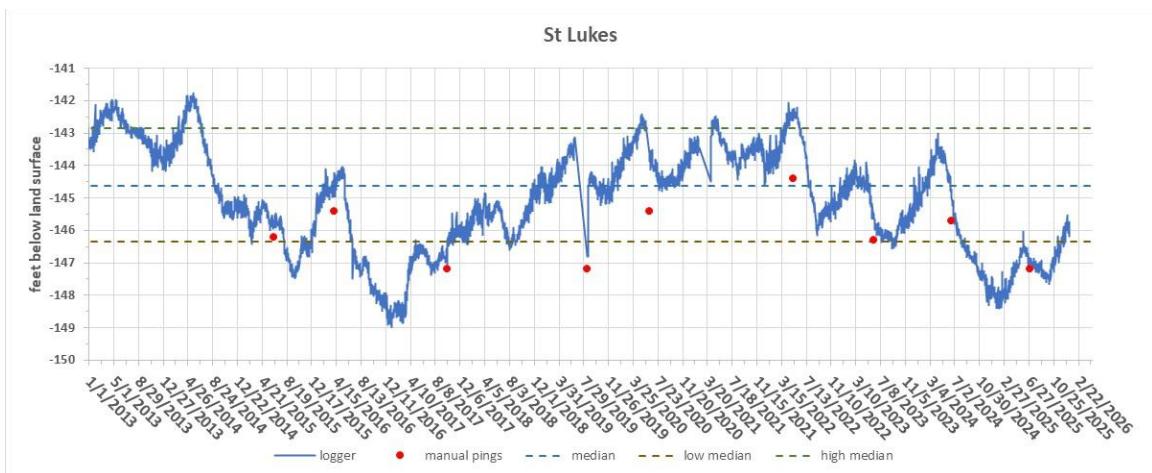
The BNTGMC collects ground water level data throughout the 3 townships. The Continuous Monitoring Network (CMN) currently consists of 8 monitored wells at which water level is recorded every 30 minutes. Data is downloaded from the CMN loggers every 2-3 months. The Static Water Level Network (SWL) currently consists of 30 wells at which groundwater levels are measured twice a year, in the spring and fall. Additionally, sonic water level loggers are being tested at 3 locations. The resolution in ground water level information afforded by this volunteer network is unique. This combined with local precipitation data and the fortuitous existence of a USGS streamflow station on the Tohickon Creek at Pipersville allow for localized assessment of hydrologic conditions.

For the CMN network, data is available through 1/8/2026. For the graphs below, the red data points (manual pings) are spot water level measurements made with a sonic device. Manual ping measurements provide quality control checks on the loggers and determine offset settings based on elevation. The dashed lines are the seasonal low, high and overall median values.



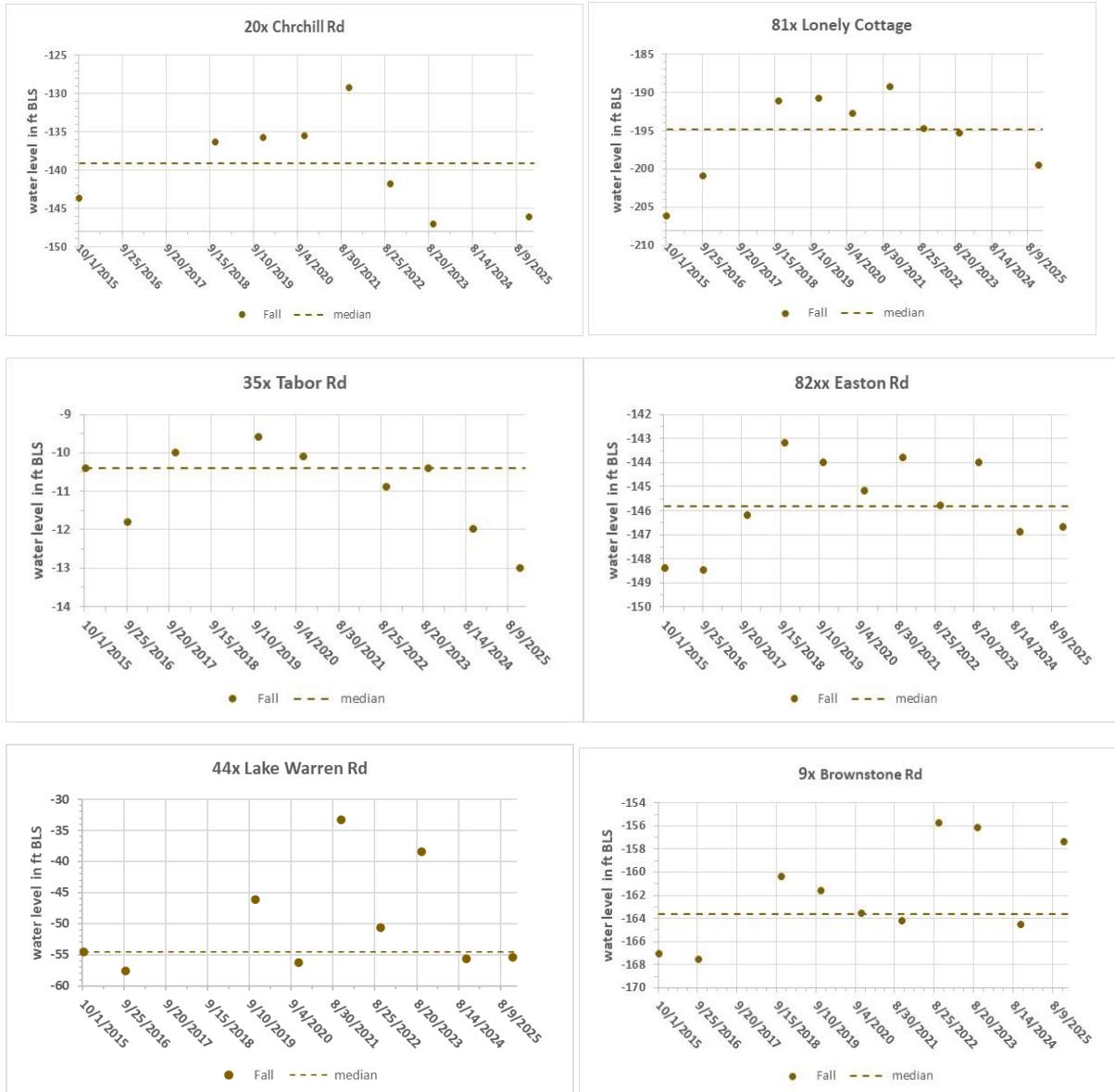


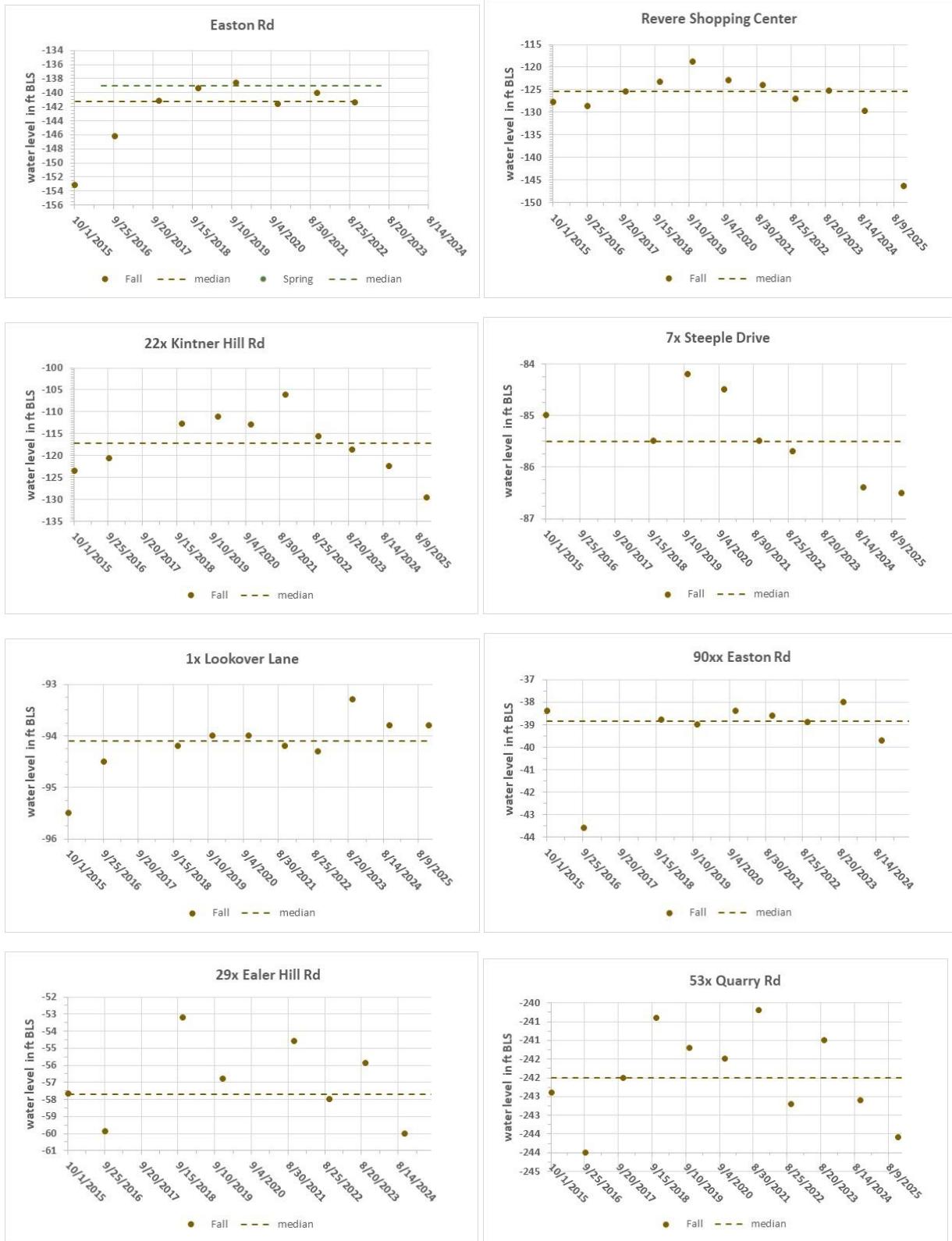


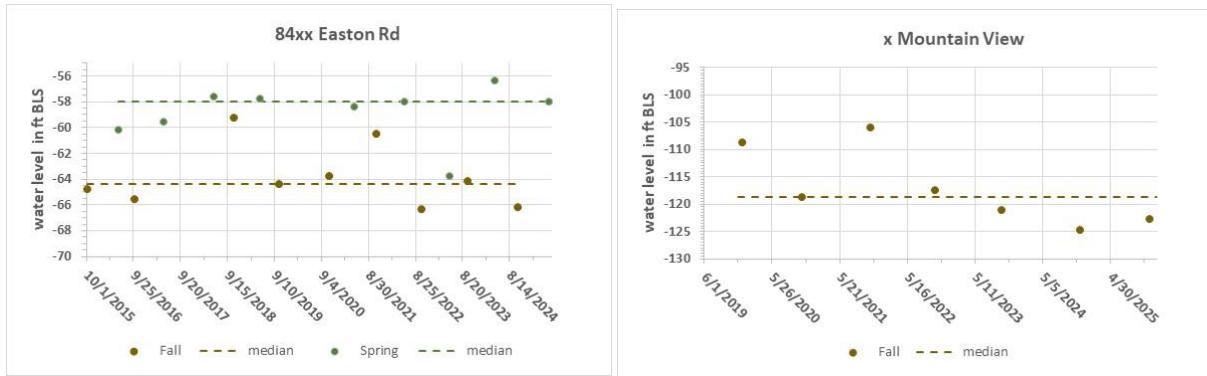


SWL water levels were obtained on 11/14/2025 (Tinicum 10 wells and Bridgeton 3 wells) and 11/24/2025 (Nockamixon 16 wells). This substantial effort constitutes the Fall 2025 SWL synoptic. As of 12/4/2025, seasonal low water level values have not yet been achieved at USGS well 929 at Nockamixon State Park and USGS well 1020 at Warminster. The fall SWL synoptic is timed to attempt to measure seasonal low water levels which, on average, occur sometime in October. It is fortuitous, therefore, the SWL synoptic was conducted later this year.

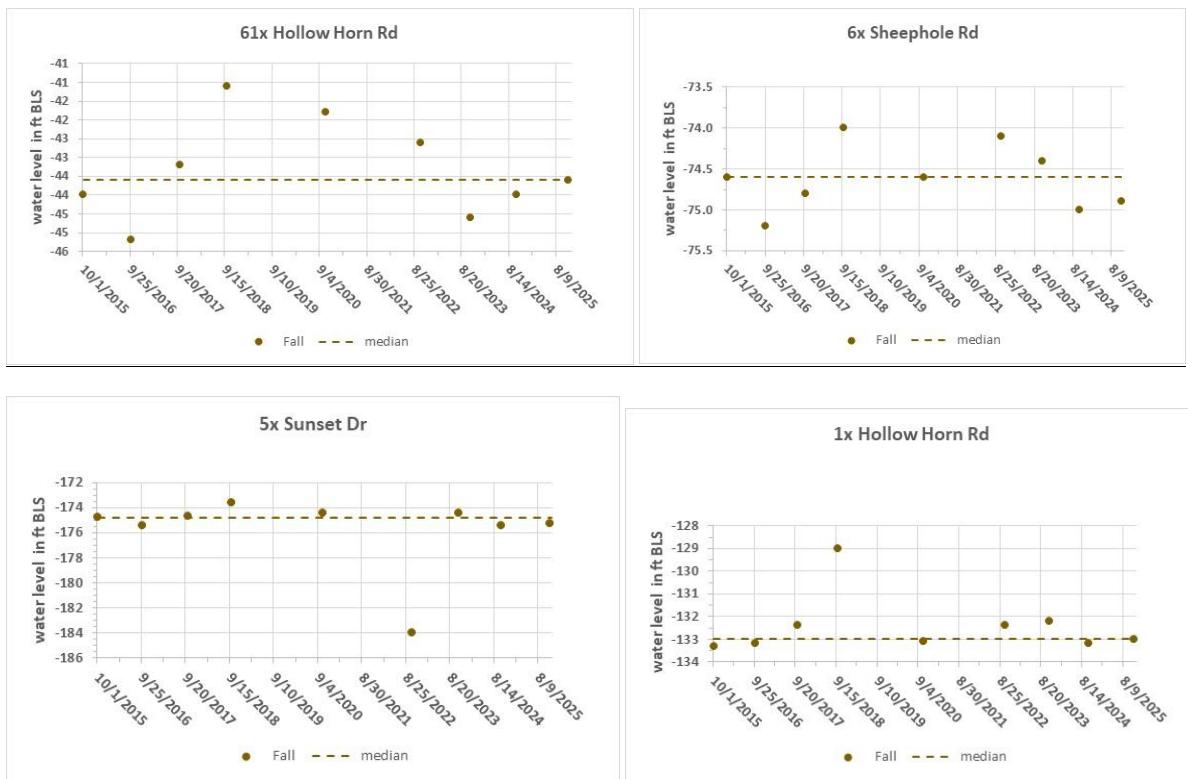
Nockamixon SWL (16 wells)

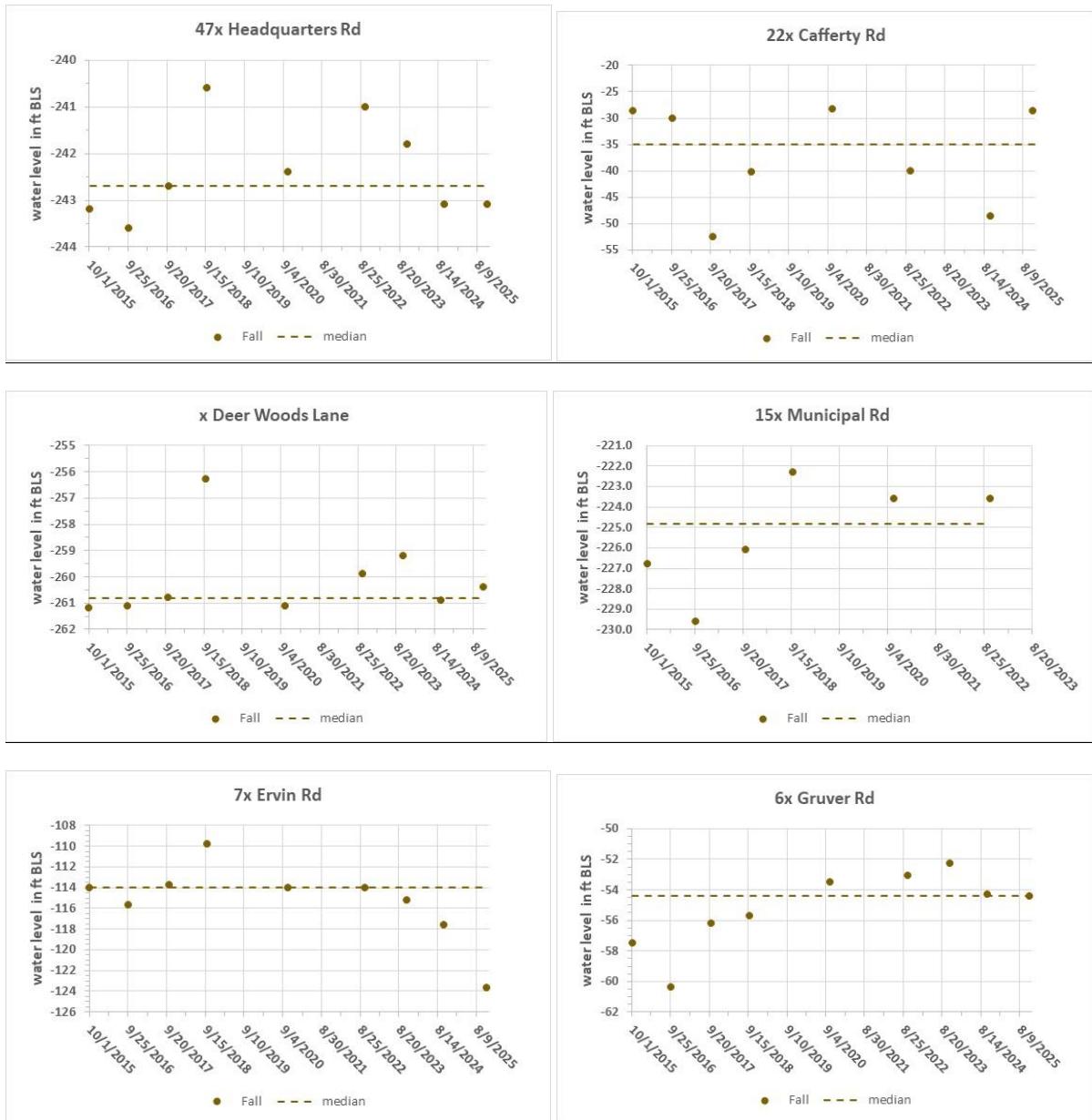




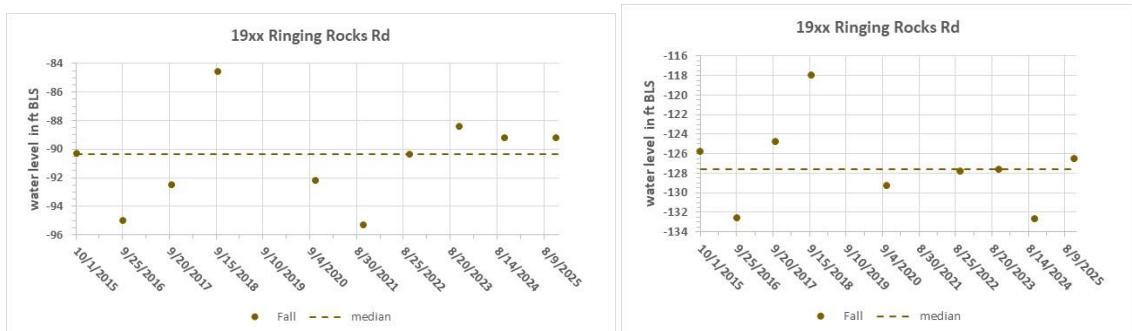


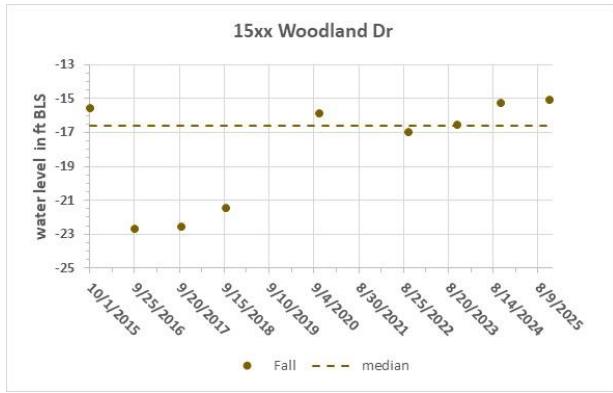
Tinicum SWL (10 wells)



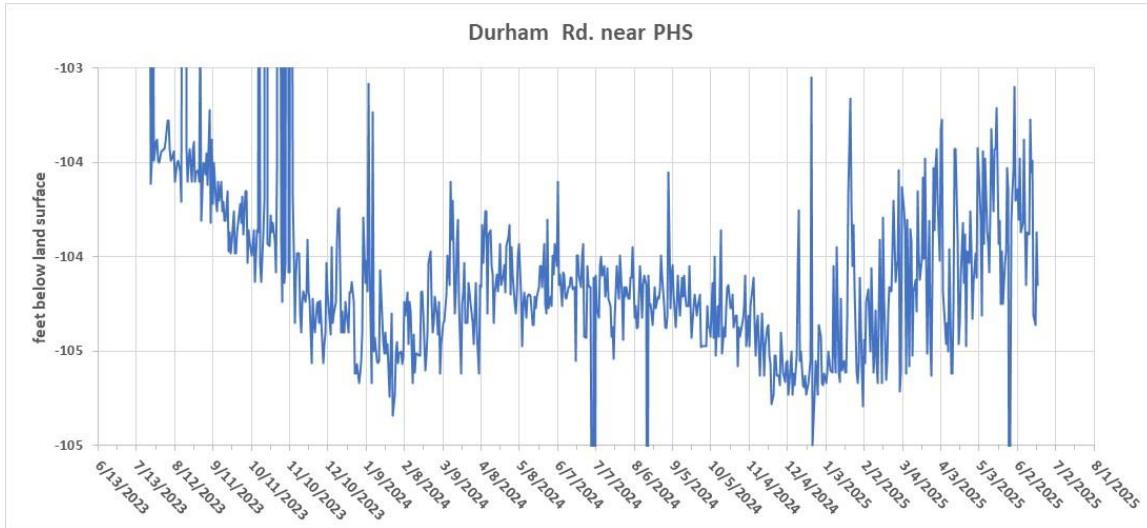
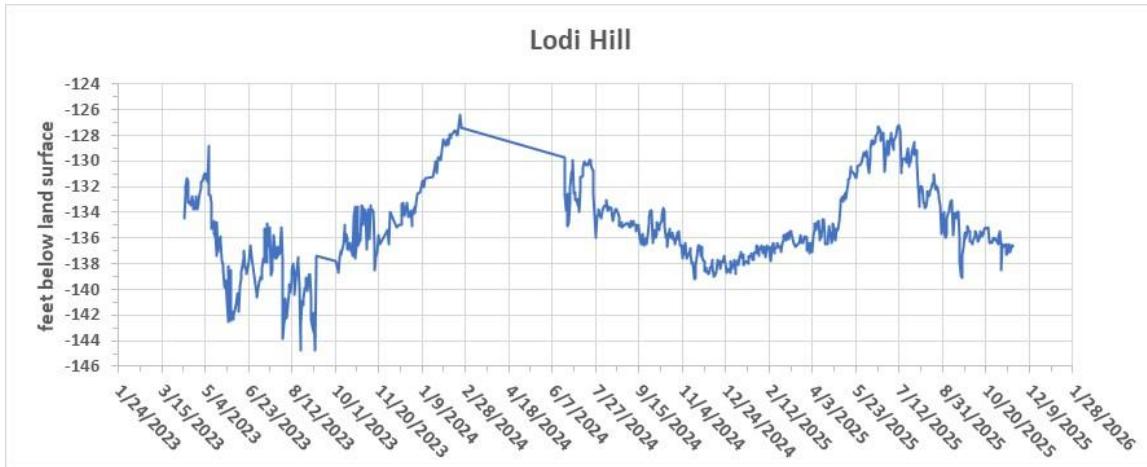


Bridgeton SWL (3 wells)





At 3 locations, Lodi Hill, Durham Rd near Palisades High School, and Kind Earth Growers Eno Sonic loggers are being tested. These loggers are replacing existing loggers as they die. The Eno loggers work with a reflecting sound signal and do not require wires down the well.



Kind Earth Growers

