Solid Waste Borehole Maximum Temperature Profiles Over 6 Weeks for 3/27/2025 to 5/7/2025

SCS ENGINEERS

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From May 1, 2025, through May 7, 2025, there were three recorded temperature increases, and two temperature decreases that triggered the notification limits set forth in the LEA's October 4, 2024 letter.

Additionally, as of April 4, 2025, twelve new TMPs (TMP-21, TMP-24, TMP-25, TMP-26, TMP-27, TMP-28, TMP-29, TMP-30, TMP-31, TMP-32, TMP-34, and TMP-35) have been installed and are online. None of these twelve new TMPs indicate reaction temperatures occurring outside of the currently delineated data-driven reaction area boundary, and the four TMPs that were able to be drilled to within 25 feet of the liner (TMP-24, TMP-27, TMP-31, and TMP-32) show significantly cooler temperatures at the deepest thermocouple, as expected due to the cooling from the underlying earth.

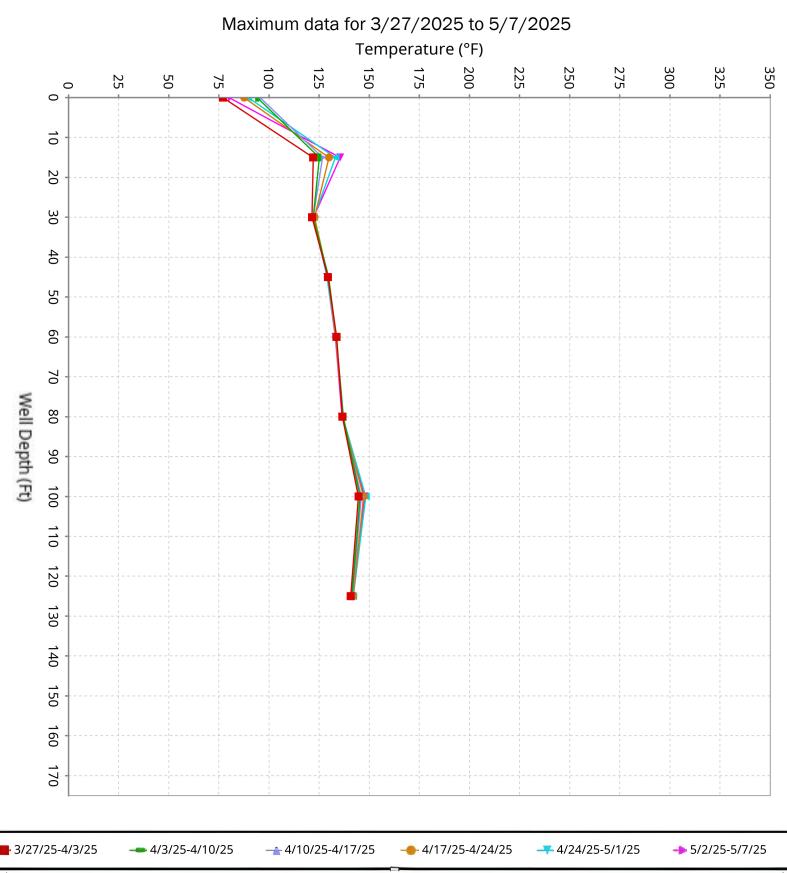
Chiquita provides the following updates:

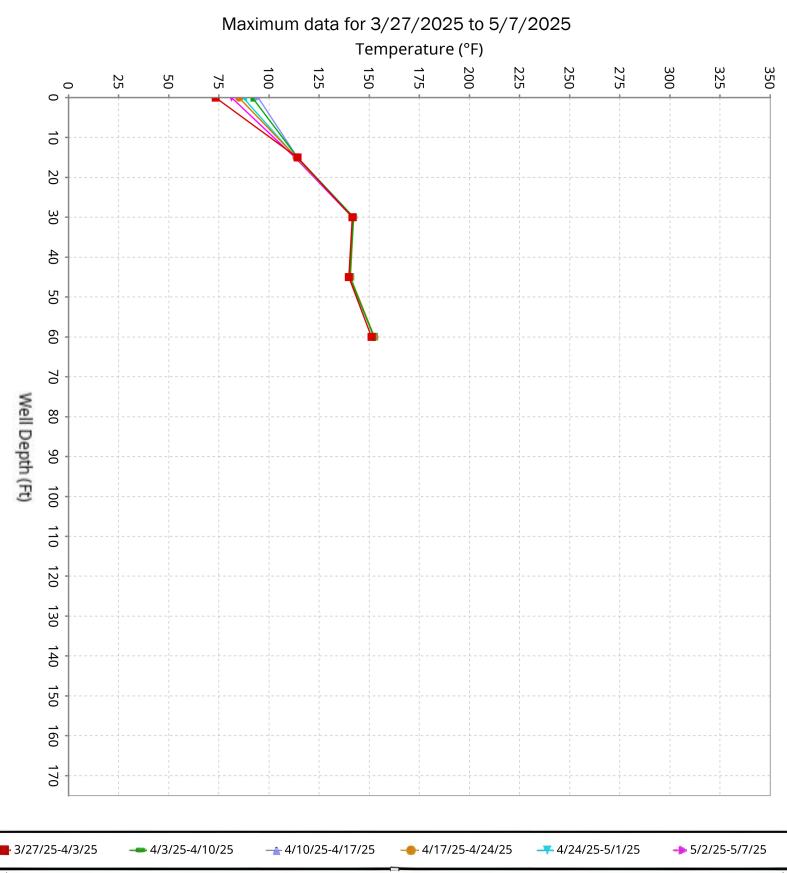
- TP-06
 - As stated in previous reports, during field investigation of TP-06, the 0 thermocouples were evaluated and found to have had errors and failures since being brought back online from filling operations. Any temperature readings from the date that the thermocouples were brought back online were likely erroneous and any decreases or increases in temperatures were in error. The failed sensors were replaced and re-wired on April 4th. The maximum recorded temperature at TP-06 since the replacement and re-wiring remains 138°F. In addition, after a below grade evaluation of TP-06, the 2-inch casing was found to be bent which was causing the 100-foot thermocouple to no longer read temperatures. On April 23rd a new thermocouple was attempted to be installed but could not be advanced beyond 20 feet due to issues causing thermocouple not being able to be removed or re-installed beyond repairable depth. On April 29th field crews were able to reinsert the 100-foot thermocouple by removing all thermocouples and re-installing them together. Note that the vertical temperature profile for TP-06 will be corrected in future weeks when we have multiple weeks of correct data and no past data issues that throw off previous weeks graphs.
- TP-09
 - As stated in last week's report, the prior week of readings at TP-09 showed no variability and upon field investigation, the battery for TP-09 was found to have failed likely due to poor cell network connection rapidly draining the battery. A new battery has been ordered and will be re-installed as soon as reasonably possible.
- TP-11
 - The 45-foot thermocouple showed a decrease in maximum temperature of 11°F from 152°F to 141°F from May 3rd to May 6th.

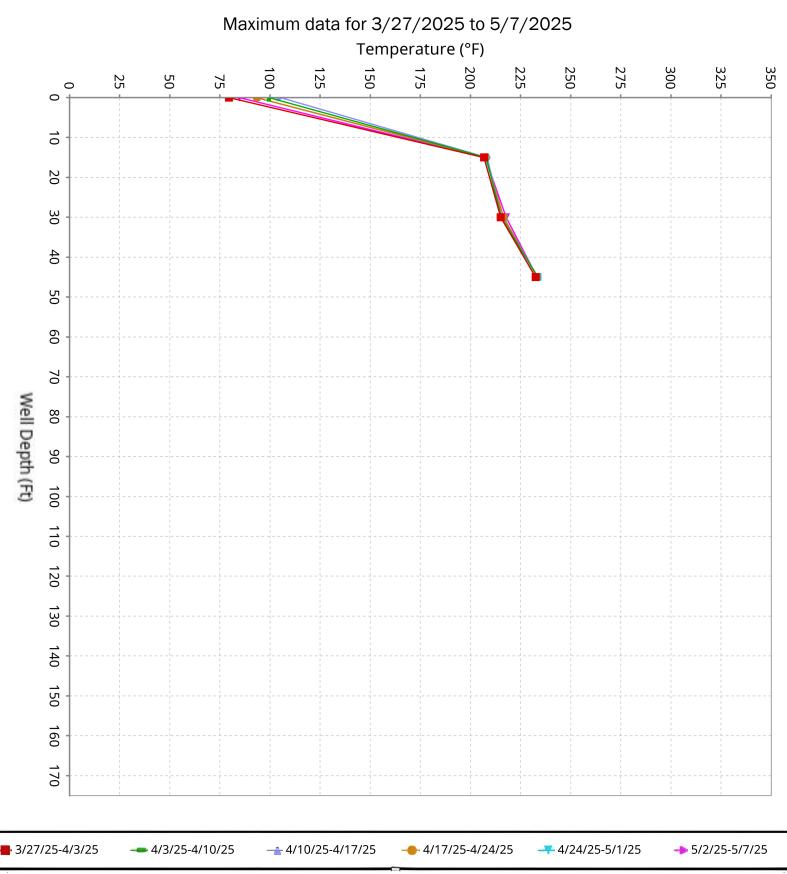
• TP-13

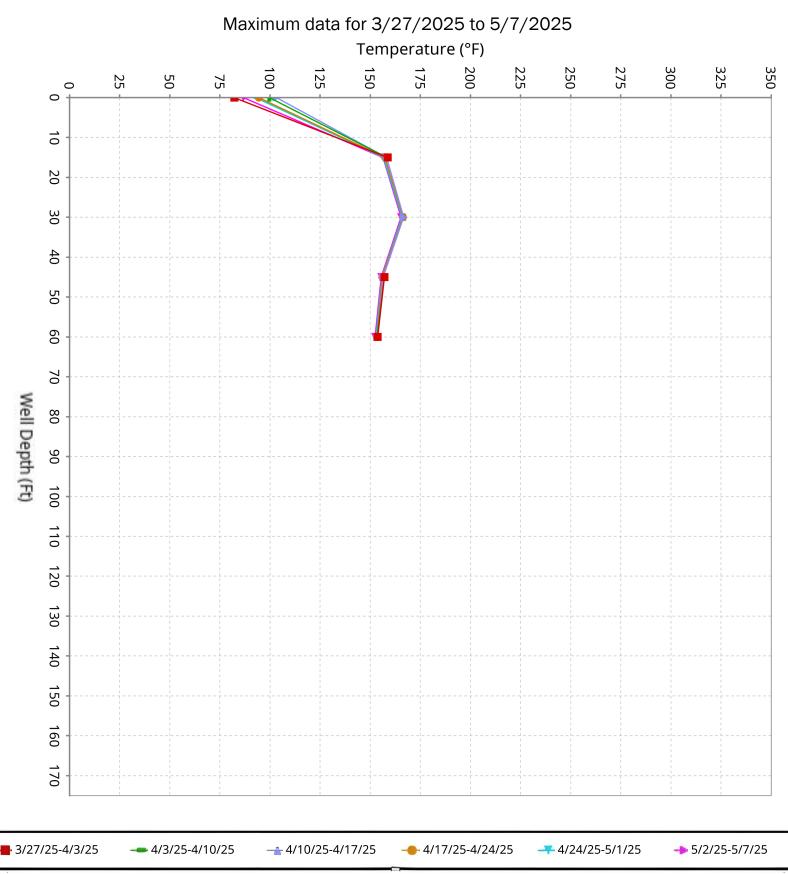
The 30-foot thermocouple showed an increase in maximum temperature of 39° F from 116° F to 155° F from May 5th to May 7th.

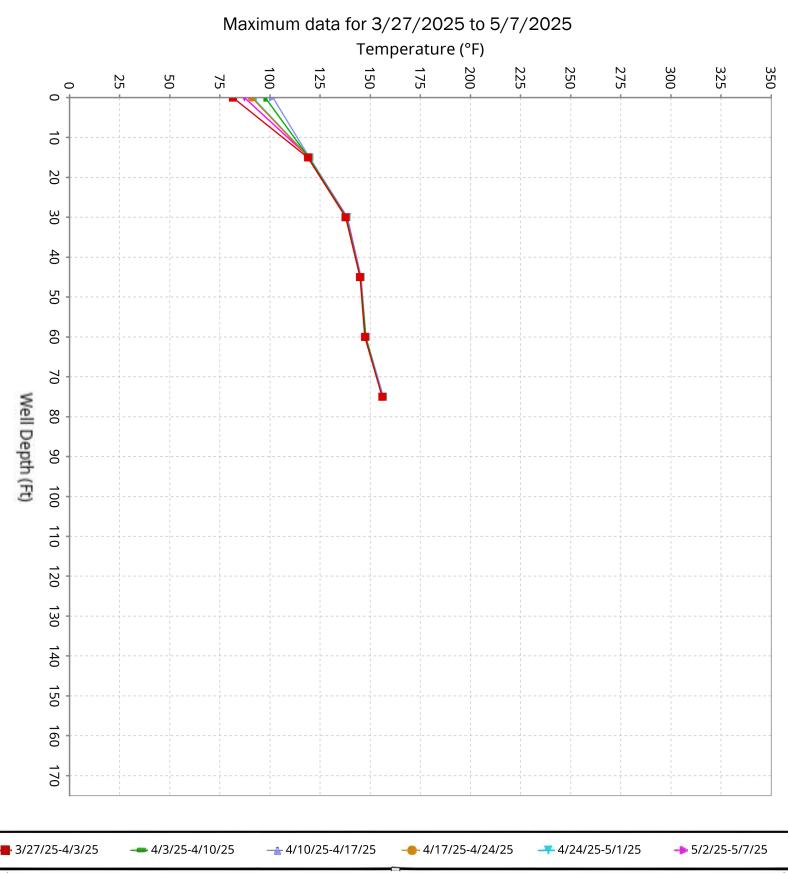
- TP-15
 - The 15-foot thermocouple showed a decrease in maximum temperature of 12°F from 174°F to 162°F from May 2nd to May 7th
 - The 30-foot thermocouple showed an increase in maximum temperature of 12°F from 182°F to 194°F from April 30th to May 7th.
- TP-19
 - The 30-foot thermocouple showed an increase in maximum temperature of 16°F from 139°F to 155°F from April 27th to May 4th.
- TP-29
 - TP-29 was accidentally struck by a vehicle on May 6th and was repaired the same day. However, the 15-foot thermocouple could not be reinstalled due to damage. A replacement thermocouple was installed on May 7th.

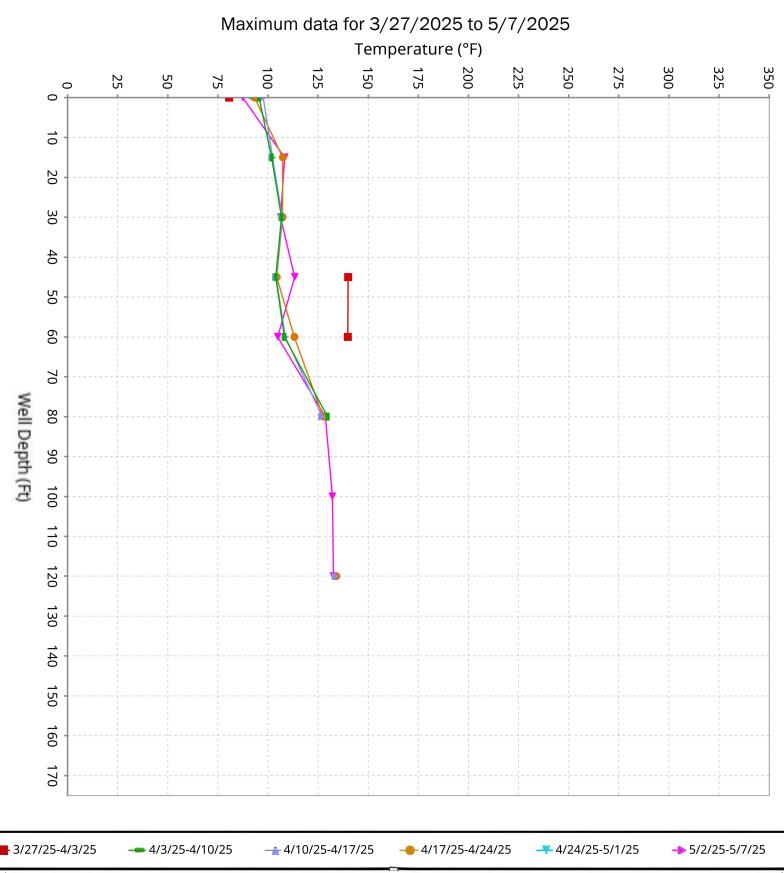




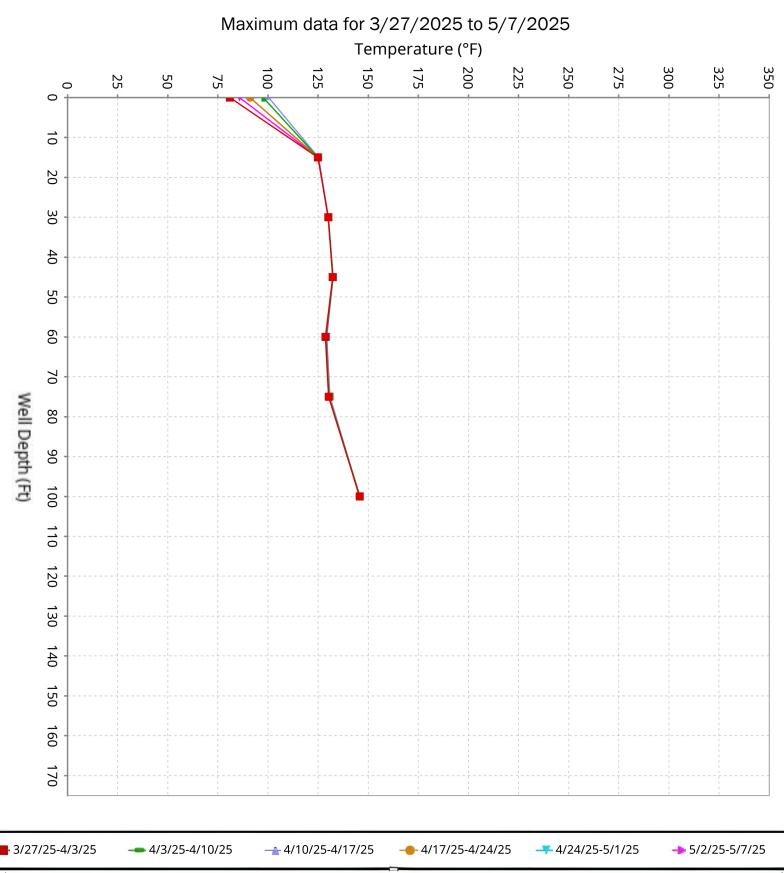




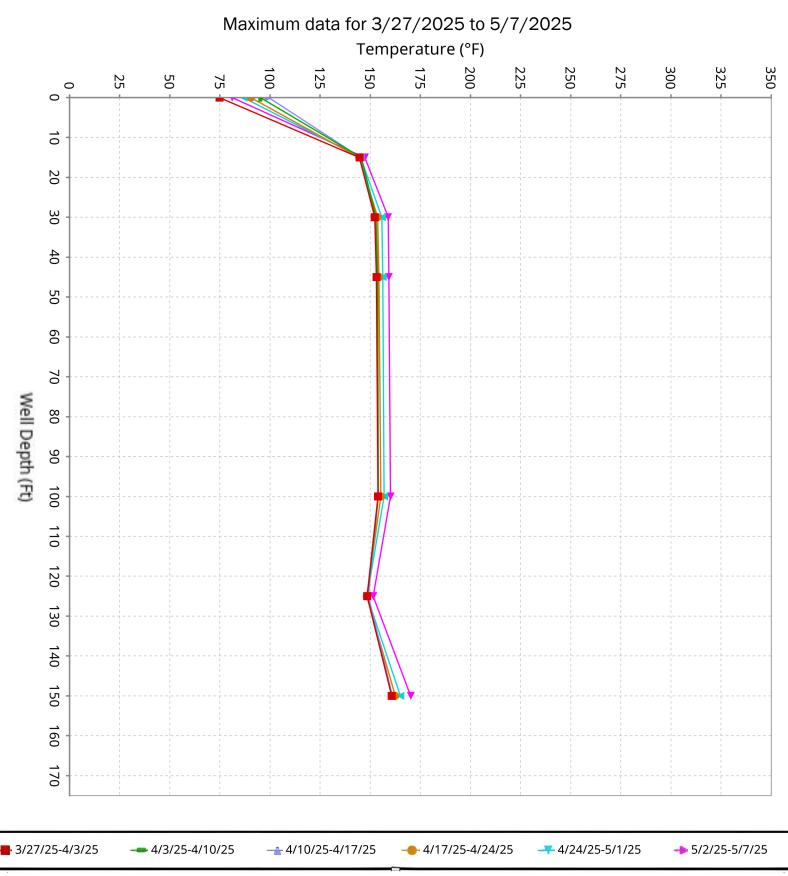


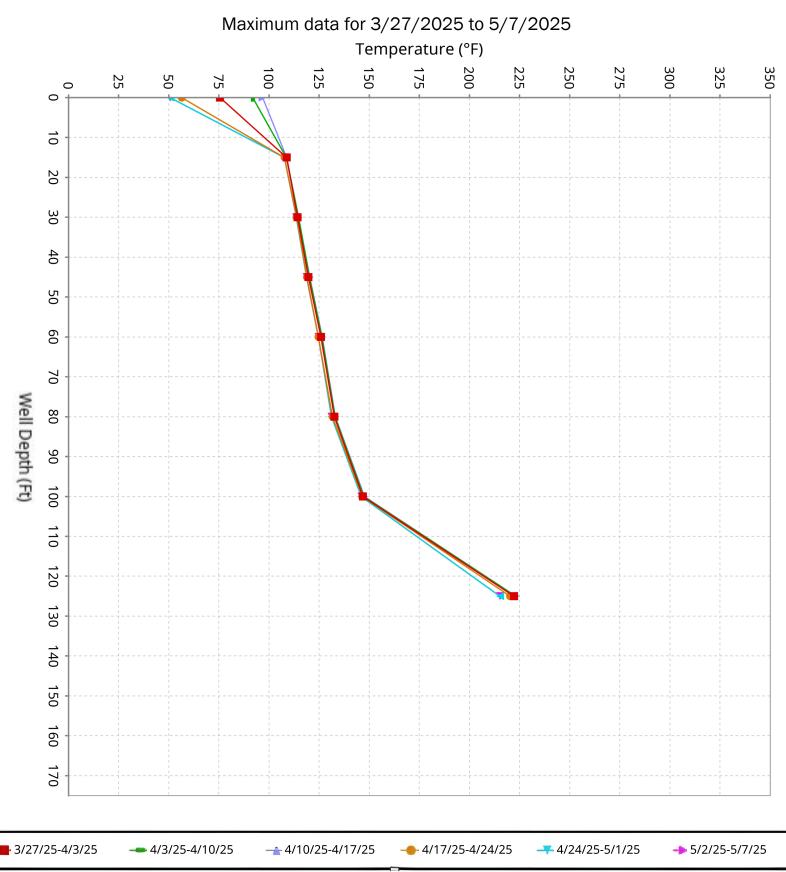


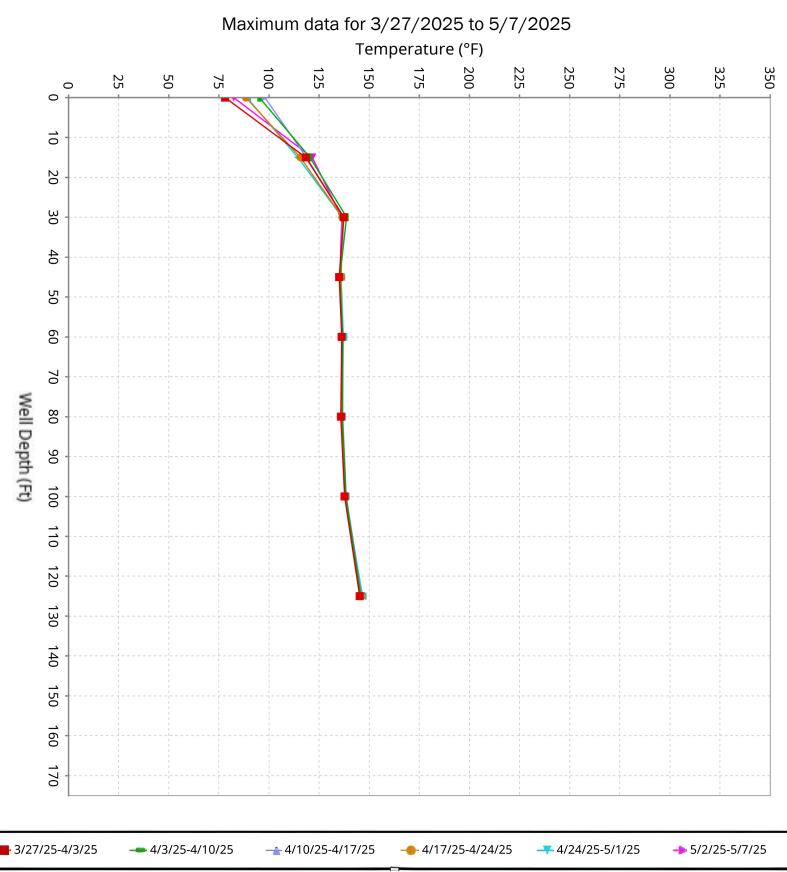


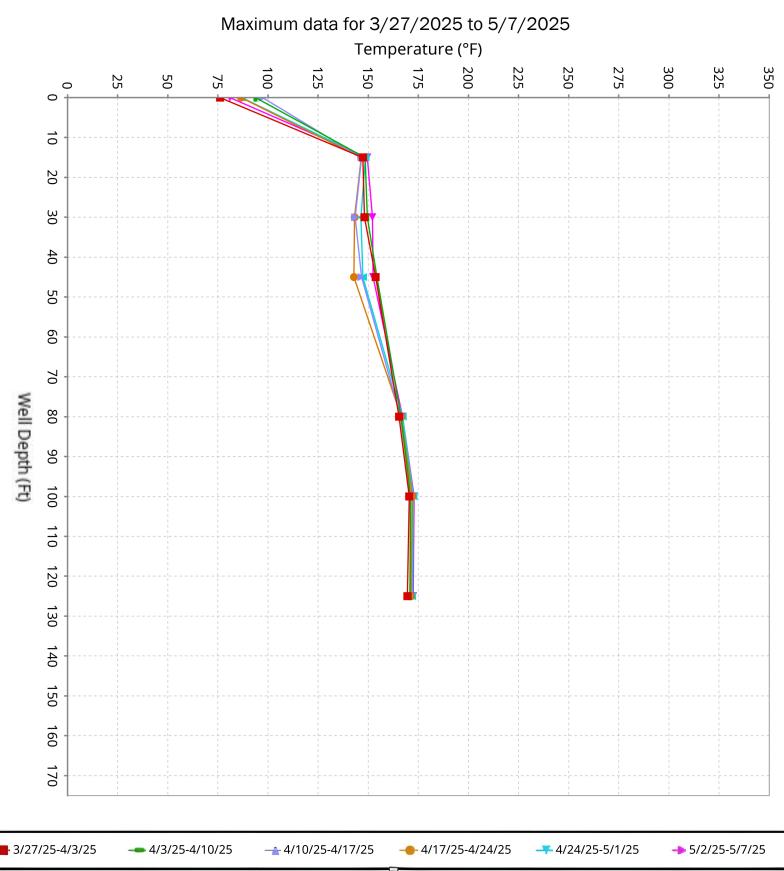


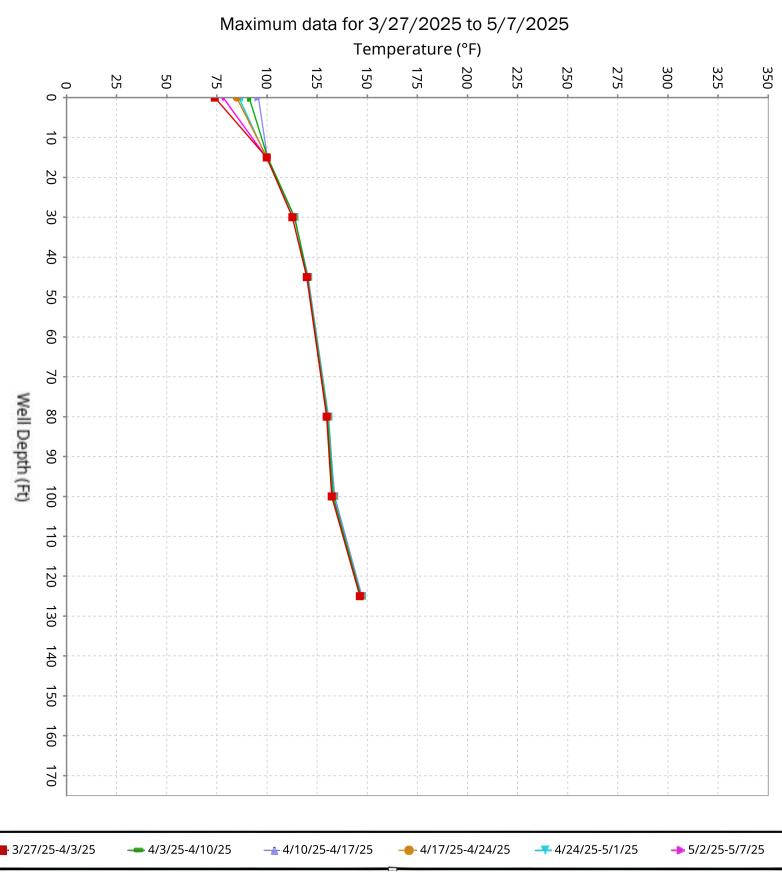


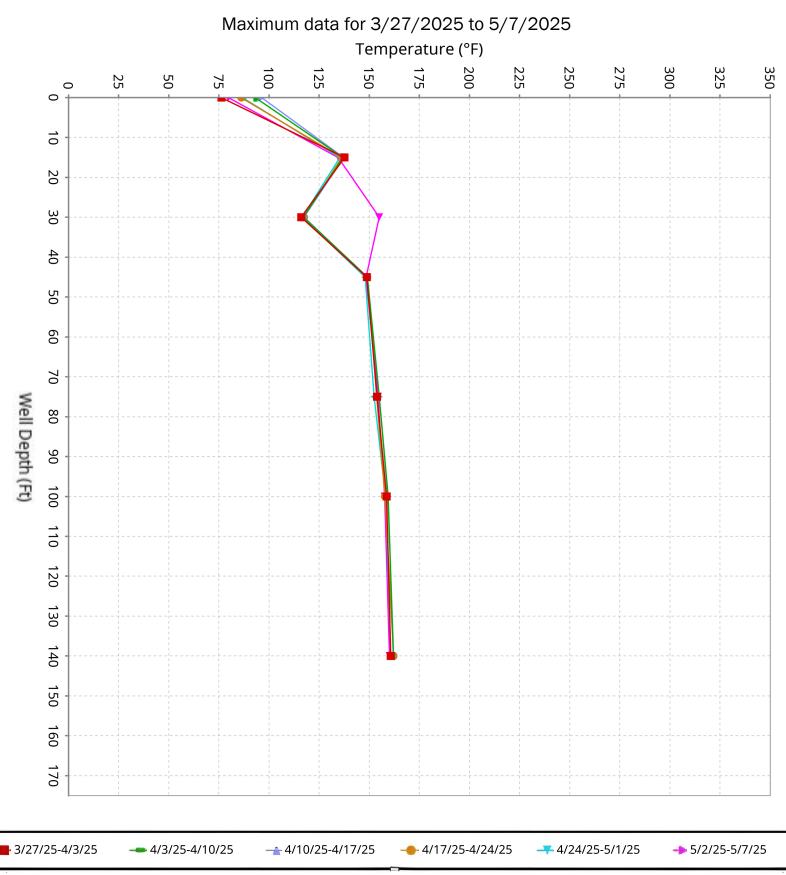


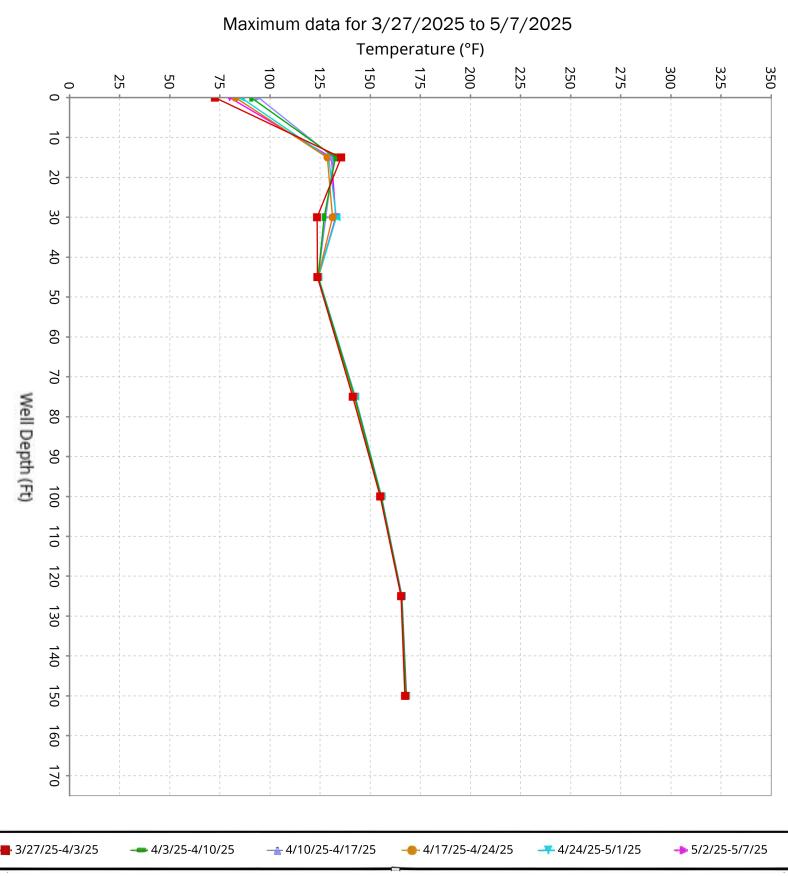


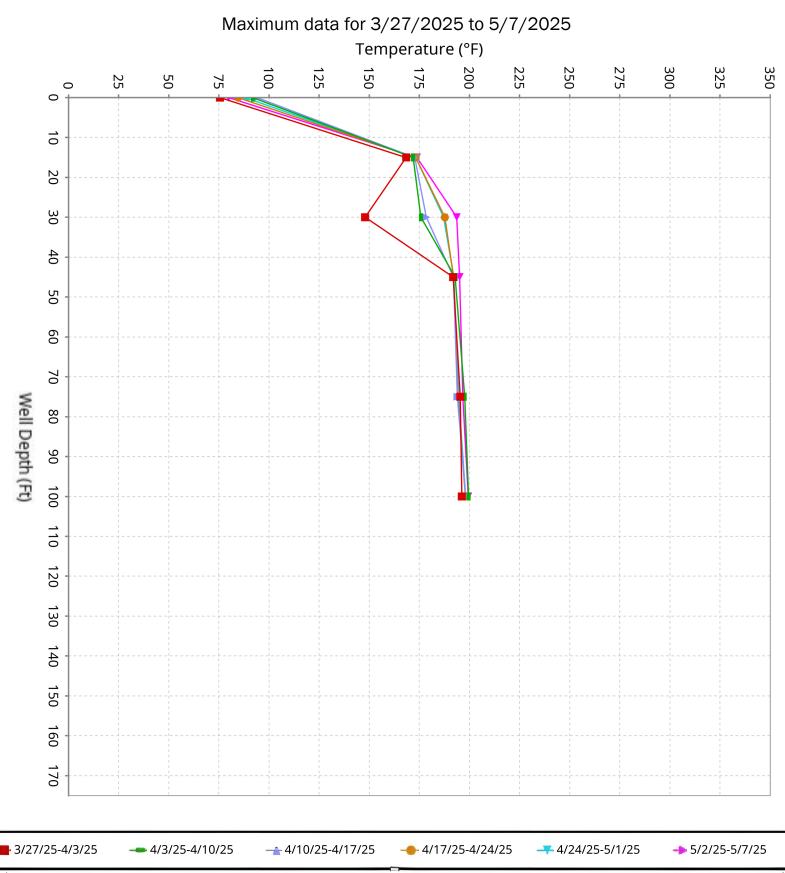




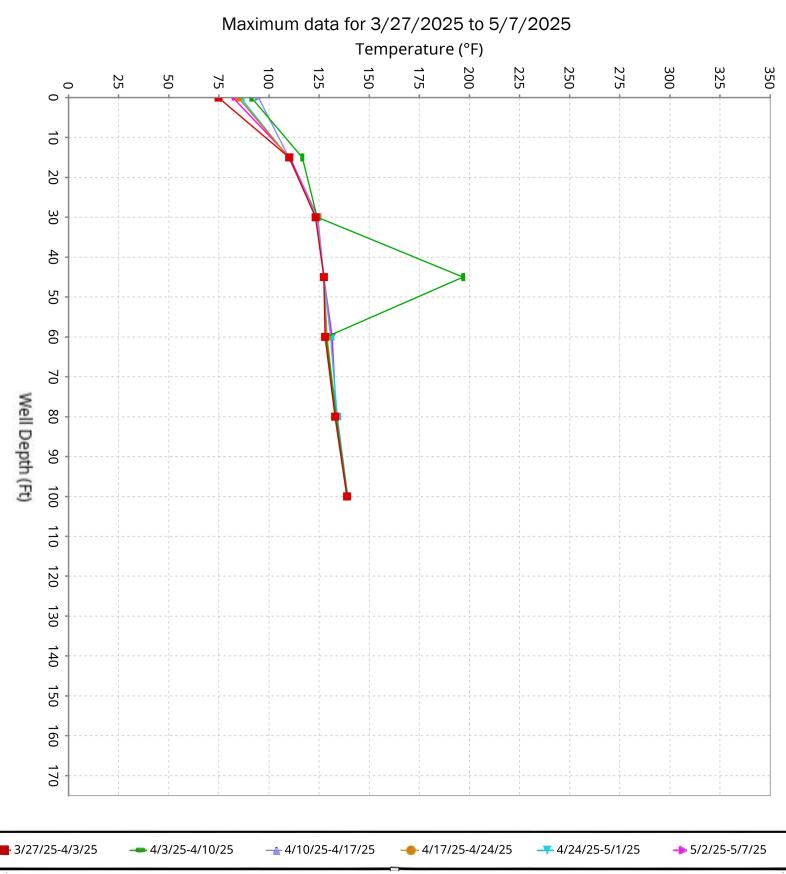


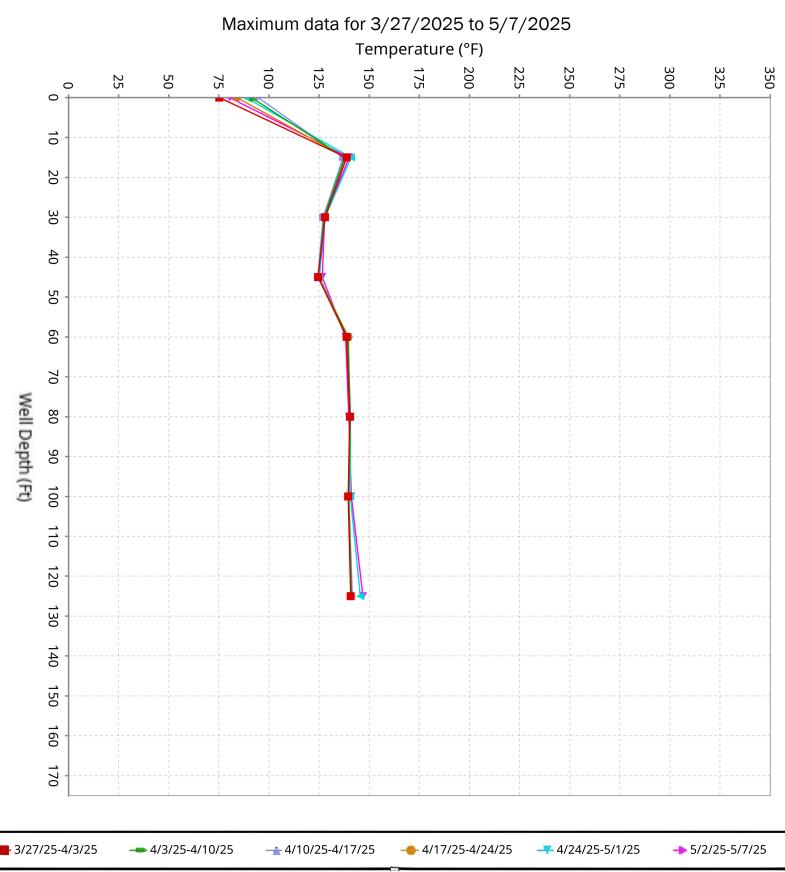


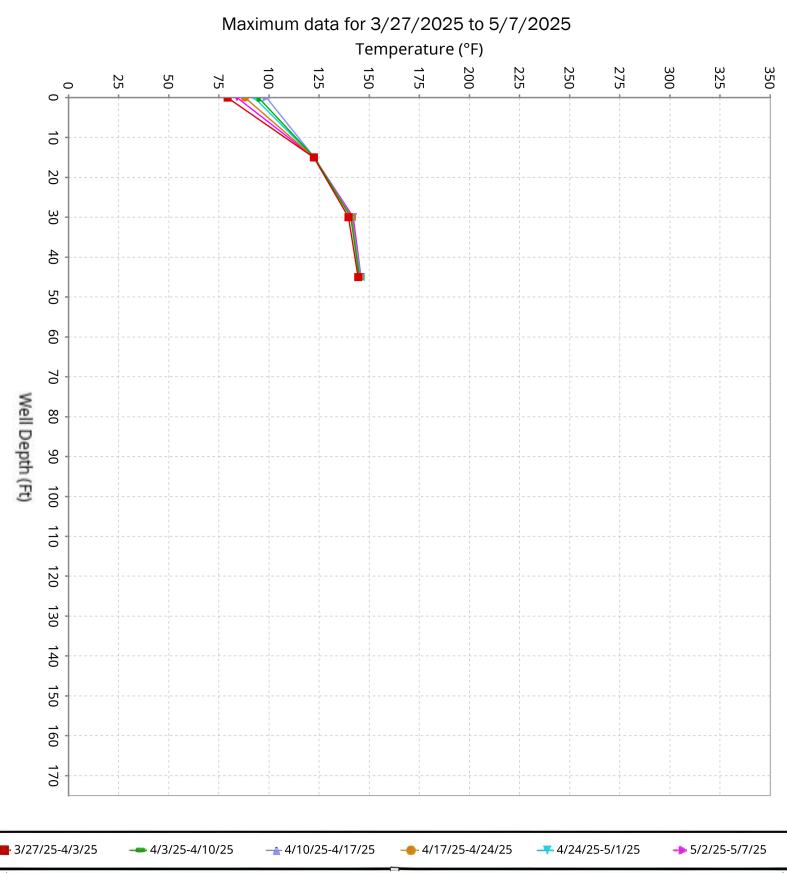


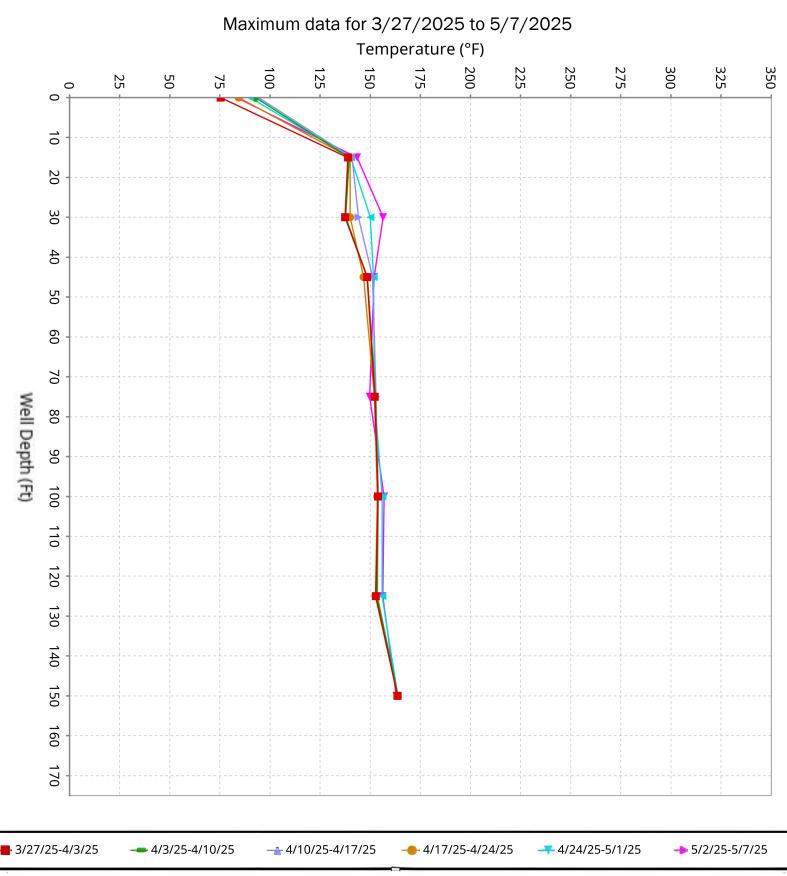


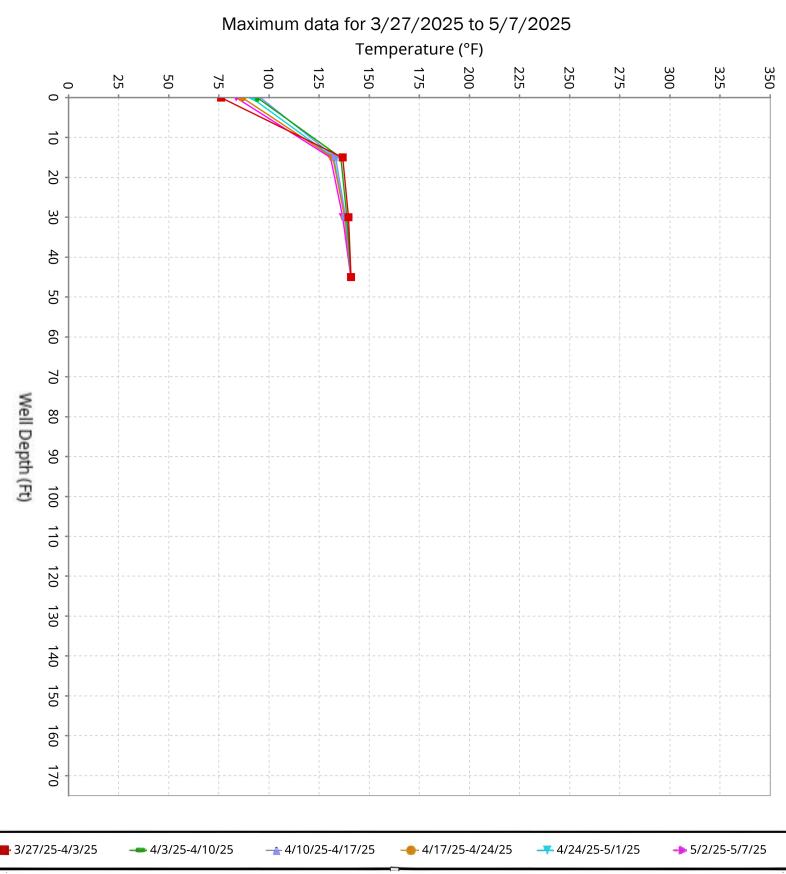


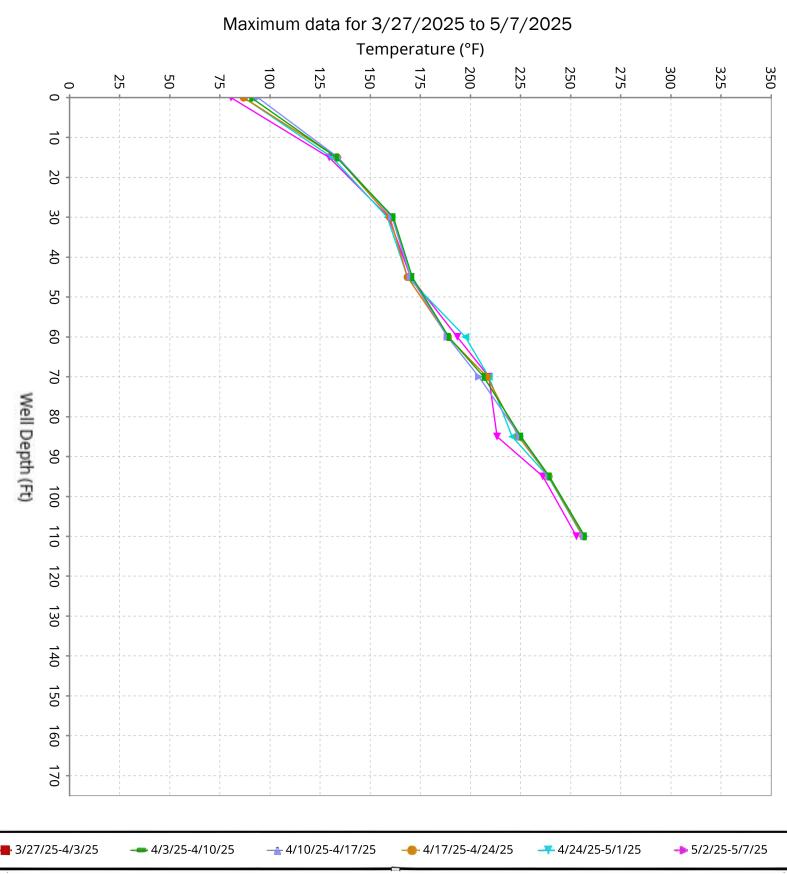


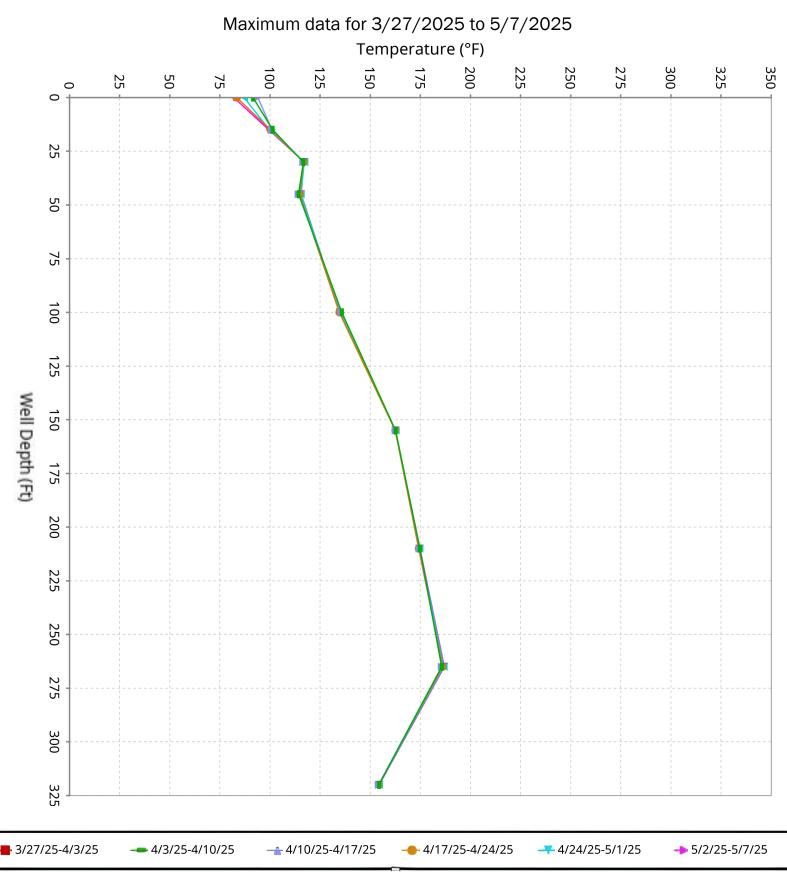


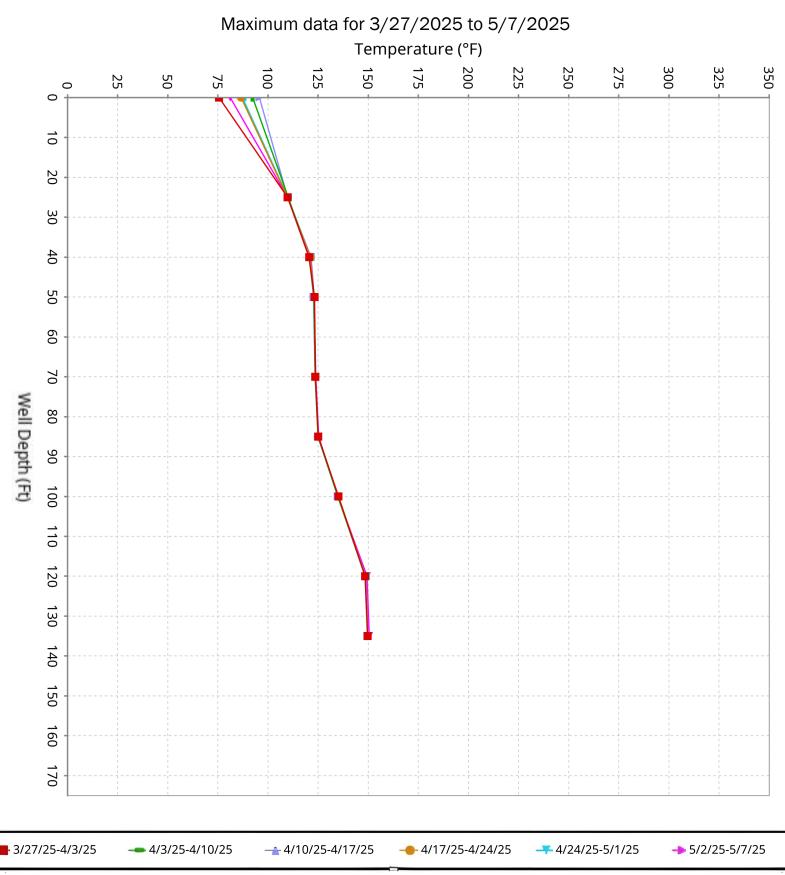


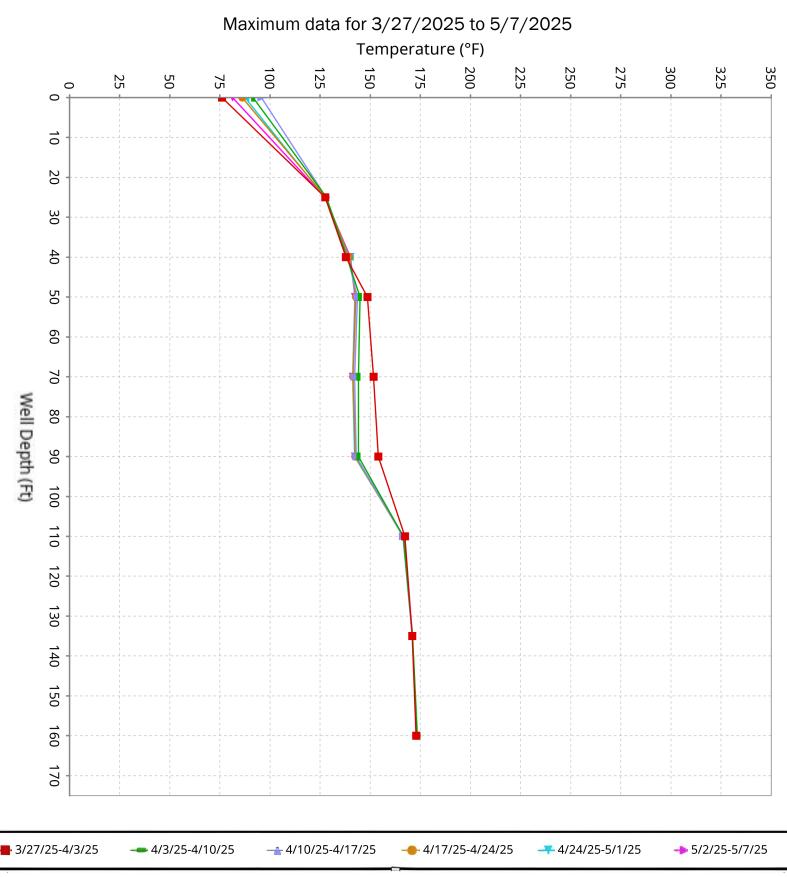


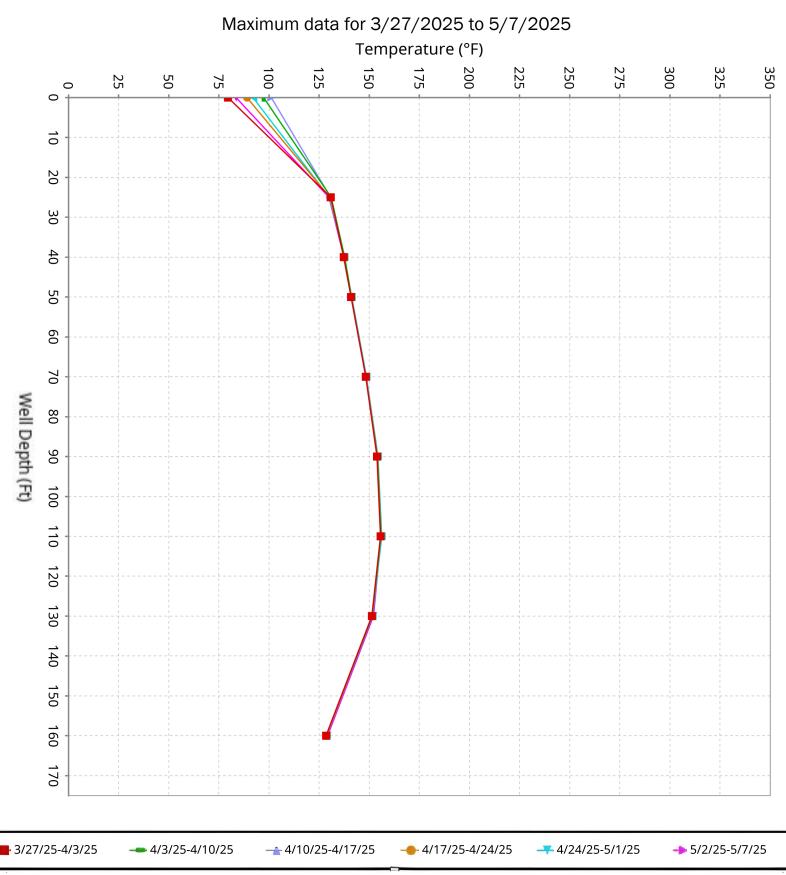


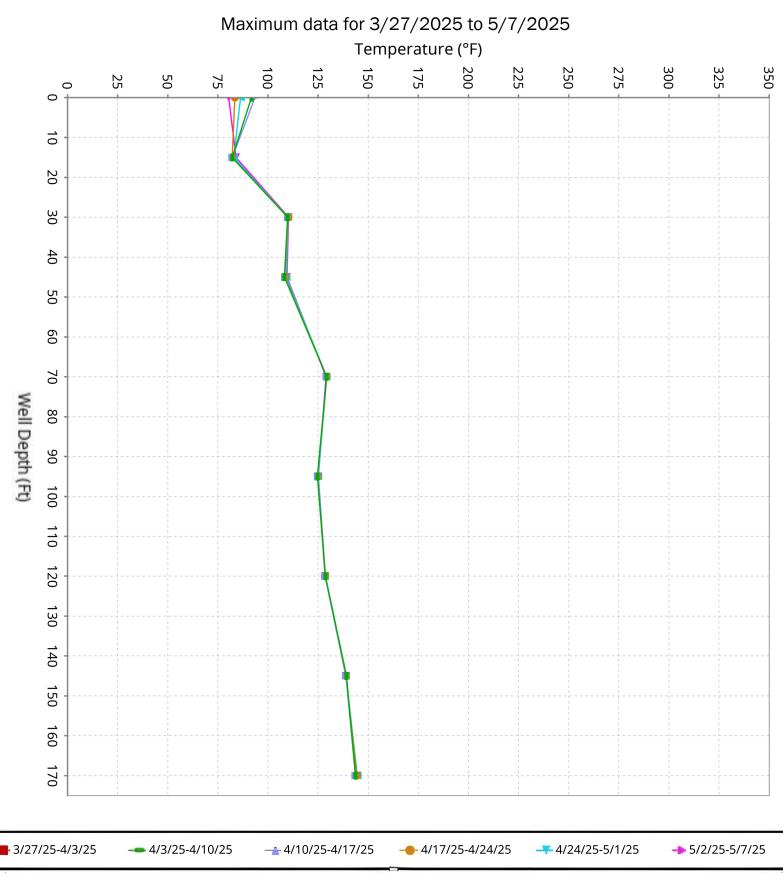


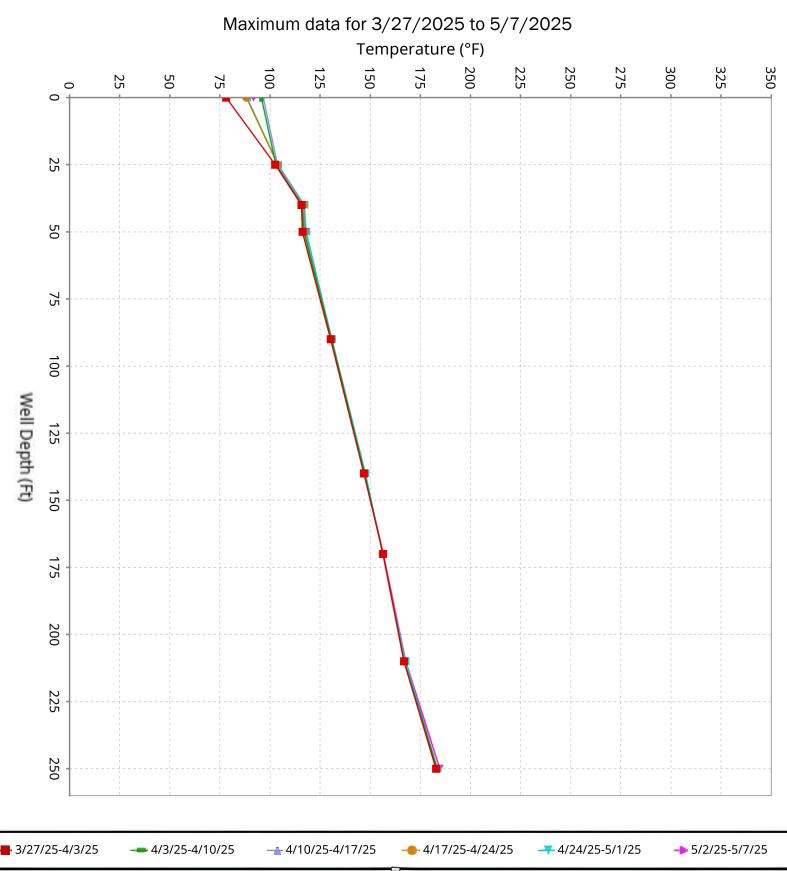


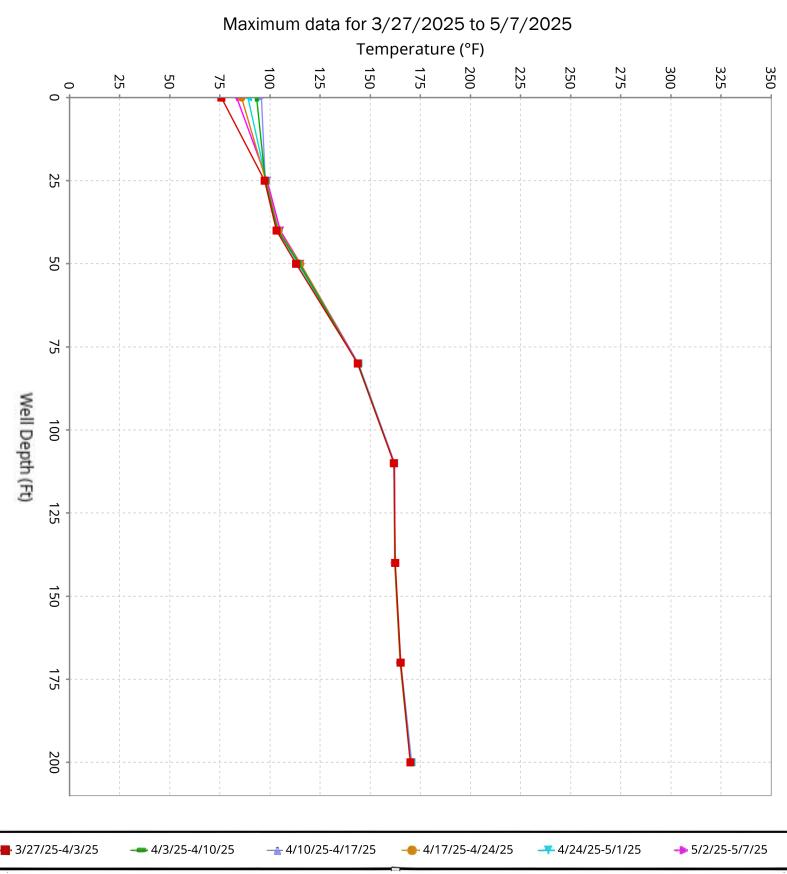


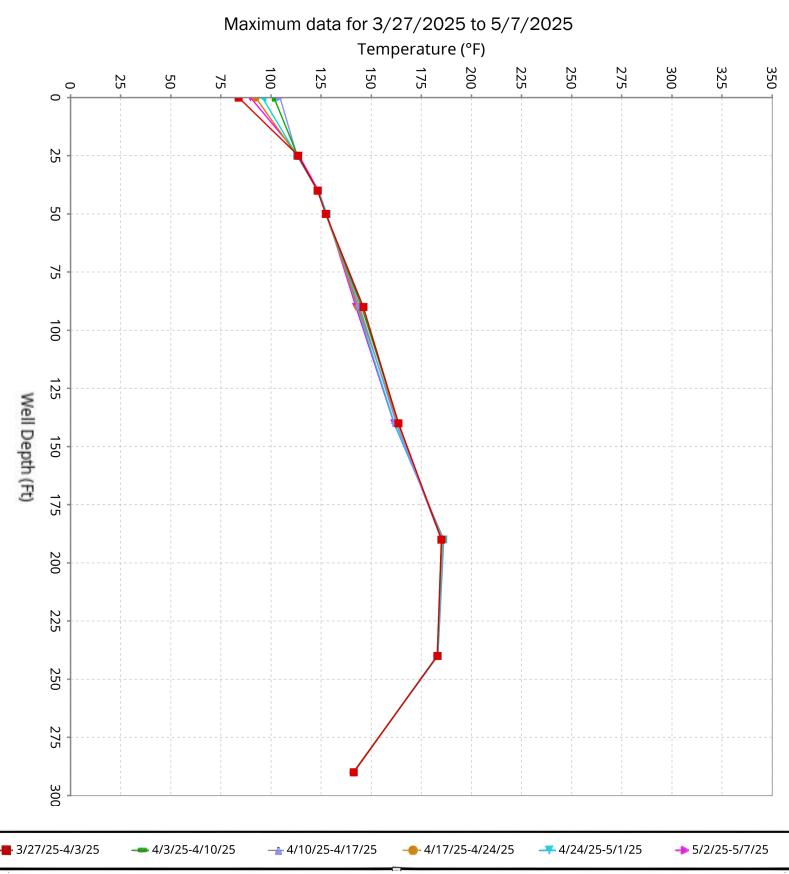


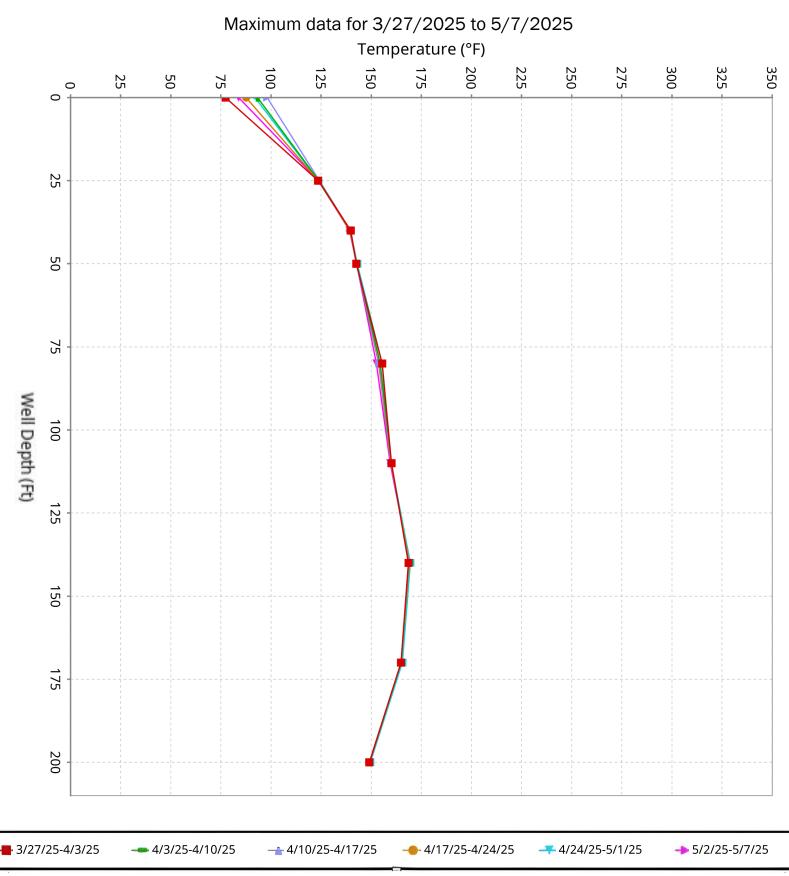


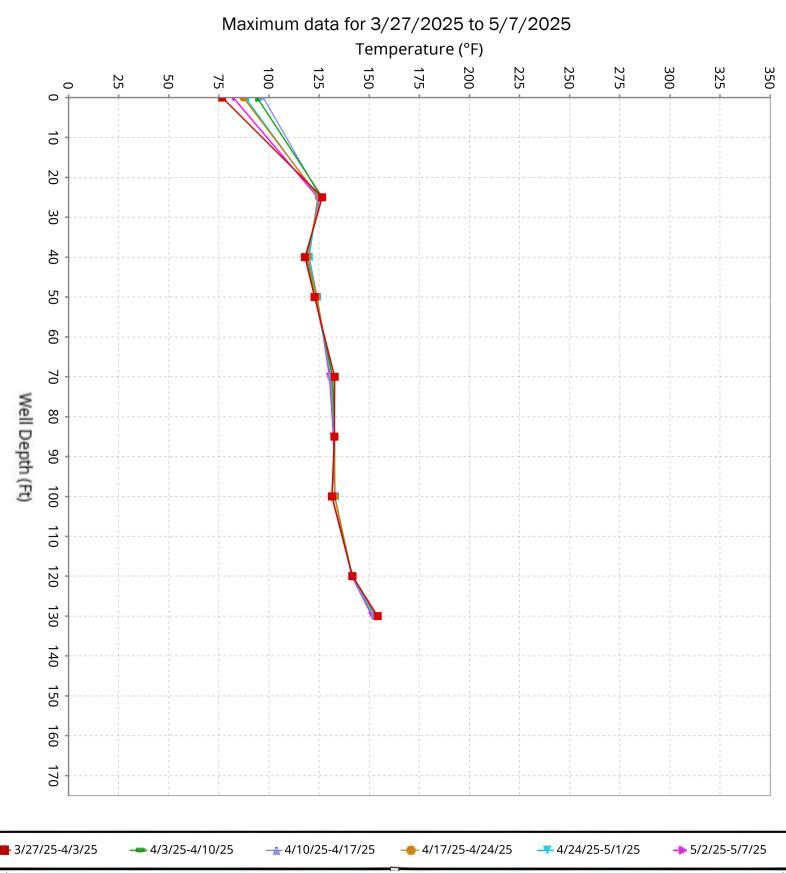


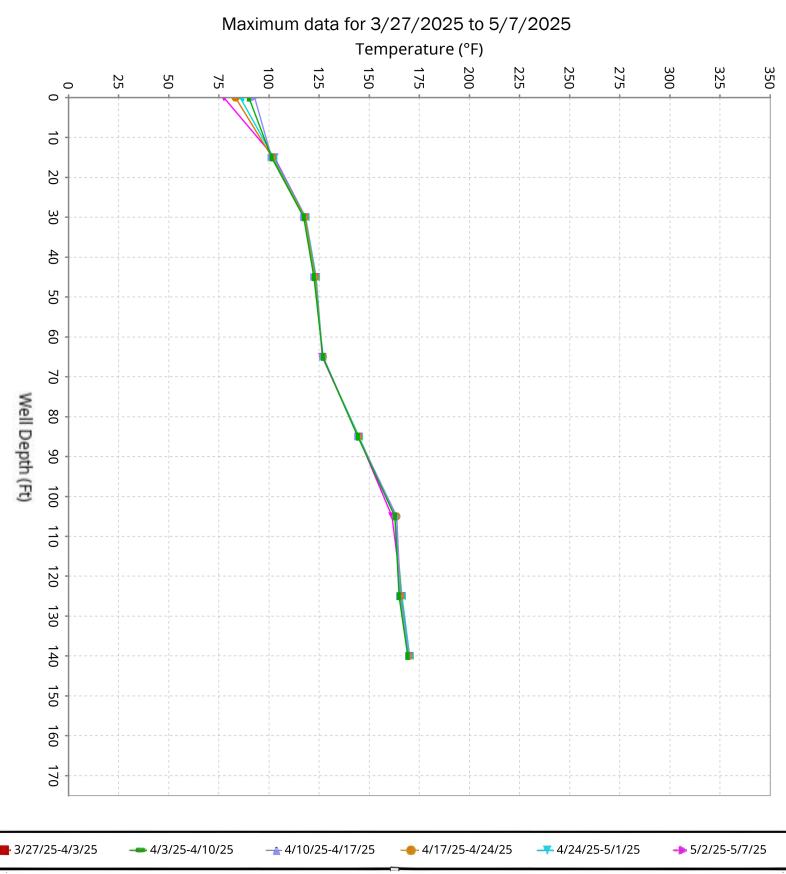












Maximum Vertical Temperature Map from Temperature Probes at Chiquita Landfill

