October 9, 2026
File No. 01204123.21-13

Mr. Baitong Chen
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, California 91765

Subject: Monthly Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill – Castaic, California

Dear Mr. Chen:

In accordance with Condition Nos. 9(a) and 9(b) of the Modified Stipulated Order for Abatement (SOFA) pertaining to the Chiquita Canyon Landfill (Landfill or Facility) (Case No. 6177-4), as last modified on June 3, 2026, SCS Engineers (SCS), on behalf of Chiquita Canyon, LLC (Chiquita), has prepared this data-determined Reaction Mitigation Area boundary determination for September 2026 considering the following criteria:

- Vertical landfill gas (LFG) wellhead temperatures (greater than 160 degrees Fahrenheit).
- Temperature monitoring probe (TMP) measurements (greater than 170 degrees Fahrenheit for more than 3-weeks at any depth).
- Landfill gas quality and methane to CO_2 ratio (CH_4:CO_2) (methane concentrations of less than 30 percent in conjunction with CH_4:CO_2 ratios less than 1.0).
- Landfill gas concentration of carbon monoxide (CO) (greater than 1,500 ppm), to the extent measured.
- Landfill gas concentration of hydrogen (H_2) (greater than 2 percent by volume), to the extent measured.
- Landfill settlement (18 inches or greater within a 60-day period).
- Pressurized leachate releases.

These parameters have been subjected to a cumulative evaluation within each individual landfill surface grid within the Main Canyon (i.e., excluding grids 1 through 29 as well as grids 105 through 144), including all landfill gas wells, temperature probes, and other characteristics within that grid's area. For each individual landfill grid that is contiguous to the prior month's Reaction Mitigation Area, where any three or more parameters listed above are present at the time of evaluation, including any combination of wells, temperature probes, or areas within the grid, the Reaction Mitigation Area boundary depicted on the Reaction Mitigation Area map (**Attachment A**) includes such landfill grid(s).

For each individual landfill grid that is not contiguous to the prior month's Reaction Mitigation Area, if the three parameters present include a temperature parameter (the first or second parameter listed above), then the grid has been added to the Reaction Mitigation Area. For each individual landfill grid that is not contiguous to the prior month's Reaction Mitigation Area, if the three parameters present do not include a temperature parameter, then Chiquita conducted field testing for CO using colorimetric tubes and for H2 using field instrumentation. If field testing confirmed the presence of either CO or H2 at concentrations in excess of the lower limits of the instrumentation (100 ppm for

CO and 1 percent by volume for H2), then a sample of the LFG was obtained from the wellhead and subjected to lab analytical testing using U.S. EPA Method ALT-144 for CO and ASTM Method D-1946 for H2. If the lab testing confirmed that either of these parameters exceed the values listed above, then the grid has been added to the Reaction Mitigation Area.

In addition to the parameters listed above, the following factors were also considered in determining the Reaction Mitigation Area boundary, applying the same individual landfill grid-based methodology described above:

- Leachate seeps;
- Odor characteristics;
- Wellheads experiencing conditions which would be expected to result in a pressurized leachate release (e.g., elevated pressure, elevated temperature, liquid flow through wellhead); and,
- Waste cuttings according to borehole drilling logs.

Supporting evidence, including documentation of which parameters were met or exceeded for each individual landfill grid, field testing and laboratory results (if applicable), explanation for the determination, Reaction Mitigation Area boundary, Reaction Mitigation Area map (if applicable), isothermal gradient range map consisting of wellhead temperature measurements, wellhead carbon monoxide range map, wellhead hydrogen range map, wellhead CH_4:CO_2 ratio range map, monthly landfill settlement isopach maps and 60-day isopach map, wellhead and temperature probe map with surface grids displayed, and vertical temperature profiles for temperature probes is being hereby submitted to the South Coast Air Quality Management District.

Attachment A presents the Drawing, titled “Reaction Mitigation Area Map”, which depicts the Reaction Mitigation Area boundary as prescribed in Condition No. 9(a), which corresponds to the limits of Cells 1/2A, 2B/3, 4, and Module 2B/3/4 P2, as a solid black line. The Drawing also depicts the Condition No. 9(b) data-determined Reaction Mitigation Area as a dashed magenta line.

REACTION MITIGATION AREA BOUNDARY

Based on the parameters and considerations above, the Reaction Mitigation Area boundary includes those grids corresponding to the area encompassed by last month’s data-driven Reaction Mitigation Area boundary determination, excluding Grid Nos. 33, 34, 163, and 170, and including Grid Nos. 39, 155, 169, 194, and 195.

Reaction Gas Movement

Based on input from Chiquita, the gas composition exhibited at wells and collectors positioned within surface grids on the eastern portion of the waste mass could be influenced by the presence of reaction gas originating from the northwestern portion of the Landfill. The migration of reaction gas toward the east and south is occurring through horizontal collectors that serve as preferential pathways within the waste matrix. The extensive dewatering efforts have demonstrated to be successful in lowering the elevation of leachate levels measured within the buried waste, which is facilitating more permeable pathways for this movement of reaction gas to the east and south.

Settlement Evaluation

Based on input from Chiquita, the changes in landfill surface elevations that occurred between July 29, 2026 and September 30, 2026 in the following select grids were affiliated with various circumstances other than actual settlement, as described below:

- Grid Nos. 160, 161, 162, 172, 196, 212, and 214 – Attributed to earthwork, grading, and stripping of intermediate cover in preparation for ethylene vinyl alcohol (EVOH) geomembrane cover deployment, or EVOH geomembrane cover repairs, or other related construction activity.
- Grid No. 83, 84, 90, 155, and 163 – Attributed to LFG header pipe regrading or other LFG collection system construction or maintenance.
- Grid Nos. 87, 96, and 97 – Attributed to earthwork and grading affiliated with road construction.
- Grid Nos. 100, 102, 198, 199, 213, 217, and 218 – Attributed to daily cover soil material movement at the working face for internally generated waste or other stockpile activities.

While it is recognized that some settlement in these areas may have occurred, the factors identified above are believed to be the predominant contributors to the elevation changes experienced during August and September. Accordingly, the changes in landfill surface elevations in these grids were not considered to exhibit the landfill settlement criteria during this monthly exercise.

Parameters in Contiguous Grids

- Grid No. 33 is positioned north of Grid No. 34, west of Grid No. 37, northwest of Grid No. 38, and southeast of Grid No. 82. All five of these grids were included in last month's Reaction Mitigation Area boundary. During September, the monitoring data demonstrated that only two parameters conformed to the criteria, one of which was methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0 at horizontal collector H-1956B. Grid No. 33 also contains TP-37, which exhibited a temperature of greater than 170 degrees Fahrenheit for more than three weeks. Accordingly, Grid No. 33 is being excluded in the Reaction Mitigation Area boundary for this month.
- Grid No. 34 is positioned south of Grid No. 33, southwest of Grid No. 37, and west of Grid No. 38. All four of these grids were included in last month's Reaction Mitigation Area boundary. During September, the monitoring data demonstrated that only two parameters conformed to the criteria, one of which was methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0 at well CV-24163. Grid No. 34 also contains TP-38, which exhibited a temperature of greater than 170 degrees Fahrenheit for more than three weeks. Accordingly, Grid No. 34 is being excluded in the Reaction Mitigation Area boundary for this month.
- Grid No. 39 is positioned south of Grid No. 38 and southeast of Grid No. 34, and Grid Nos. 38 and 34 were included in last month's Reaction Mitigation Area boundary. The grid contains two wells (CV-24212 and CV-2689) that exhibited methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0. Well CV-2689 also exhibited H2 concentrations greater than 2 percent by volume. Accordingly, Grid No. 39 is

being included in the Reaction Mitigation Area boundary for this month as a continuous surface grid.

- Grid No. 155 is positioned south of Grid Nos. 149, 154, and 159 and north of Grid No. 160, all of which were included in last month's Reaction Mitigation Area boundary. The grid contains three wells (CV-24093, CV-24159, and CV-2545) that exhibited methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0. Accordingly, Grid No. 155 is being included in the Reaction Mitigation Area boundary for this month as a continuous surface grid.
- Grid No. 163 is positioned east of Grid No. 164, south of Grid No. 165, and southwest of Grid No. 160. All four of these grids were included in last month's Reaction Mitigation Area boundary. During September, the monitoring data demonstrated that only two parameters conformed to the criteria, one of which was methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0 at well CV-24173. Grid No. 163 also contains TP-24, which exhibited a temperature of greater than 170 degrees Fahrenheit for more than three weeks. Accordingly, Grid No. 163 is being excluded in the Reaction Mitigation Area boundary for this month.
- Grid No. 169 is surrounded by Grid Nos. 168, 170, 174, and 203, all of which were included in last month's Reaction Mitigation Area boundary. The grid contains two wells (CV-2341 and CV-24050) that exhibited methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0. Well CV-2341 also exhibited H2 concentrations greater than 2 percent by volume and CO concentrations equal to 1,500 ppmv. Accordingly, Grid No. 169 is being included in the Reaction Mitigation Area boundary for this month as a contiguous grid.
- Grid No. 170 is surrounded by Grid Nos. 166 through 169 and 171 through 174. Of these nine grids, all except Grid No. 169 were included in last month's Reaction Mitigation Area boundary. During September, the monitoring data demonstrated that only two parameters conformed to the criteria, one of which was methane concentrations of less than 30 percent in conjunction with CH4:CO2 ratios less than 1.0 at well CV-2302. Grid No. 170 also contains TP-09, which exhibited a temperature of greater than 170 degrees Fahrenheit for more than three weeks. Accordingly, Grid No. 170 is being excluded in the Reaction Mitigation Area boundary for this month since only two parameters were present.

Parameters in Non-Contiguous Grids

No non-contiguous surface grids were included or excluded as compared to the previous month's boundary.

CONCLUSION

As presented on the Drawing included as **Attachment A**, and for the reasons described above, the extent of the data-determined Reaction Mitigation Area (dashed magenta line) includes Cells 1/2A, 2B/3, 4, and Module 2B/3/4 P2 as decreed in the SOFA (solid black line), and Grid Nos. 37, 38, 39, 41, 53, 76, 77, 79, 81, 82, 145 through 149, and 155.

The maximum temperature measurements recorded at the 40 in-situ waste temperature monitoring probes during the month are presented in **Attachment B** in graphical format. The LFG wellhead temperatures recorded at the extraction wells for the entire Landfill footprint are reflected on the

isothermal gradient range map presented as **Attachment C**. The CH_4:CO_2 ratios measured at the LFG wellheads in the vicinity of the data-driven Reaction Mitigation Area boundary are depicted on the range map presented as **Attachment D**. The H_2 concentrations measured at the LFG wellheads in the vicinity of the data-driven Reaction Mitigation Area boundary are depicted on the range map presented as **Attachment E**. The CO concentrations measured at the LFG wellheads in the vicinity of the data-driven Reaction Mitigation Area boundary are depicted on the range map presented as **Attachment F**. The landfill surface settlement isopach values measured on a monthly basis and 60-day basis in the vicinity of the data-driven Reaction Mitigation Area boundary are depicted on the range map presented as **Attachment G**.

Please contact either of the undersigned if you have questions or require additional information.

Sincerely,

Robert E. Dick, PE, BCEE
Senior Vice President
SCS Engineers

Patrick S. Sullivan, BCES, CCP
Senior Vice President
SCS Engineers

RED/PSS

cc: Nathaniel Dickel, SCAQMD
Christina Ojeda, SCAQMD

Enclosures:

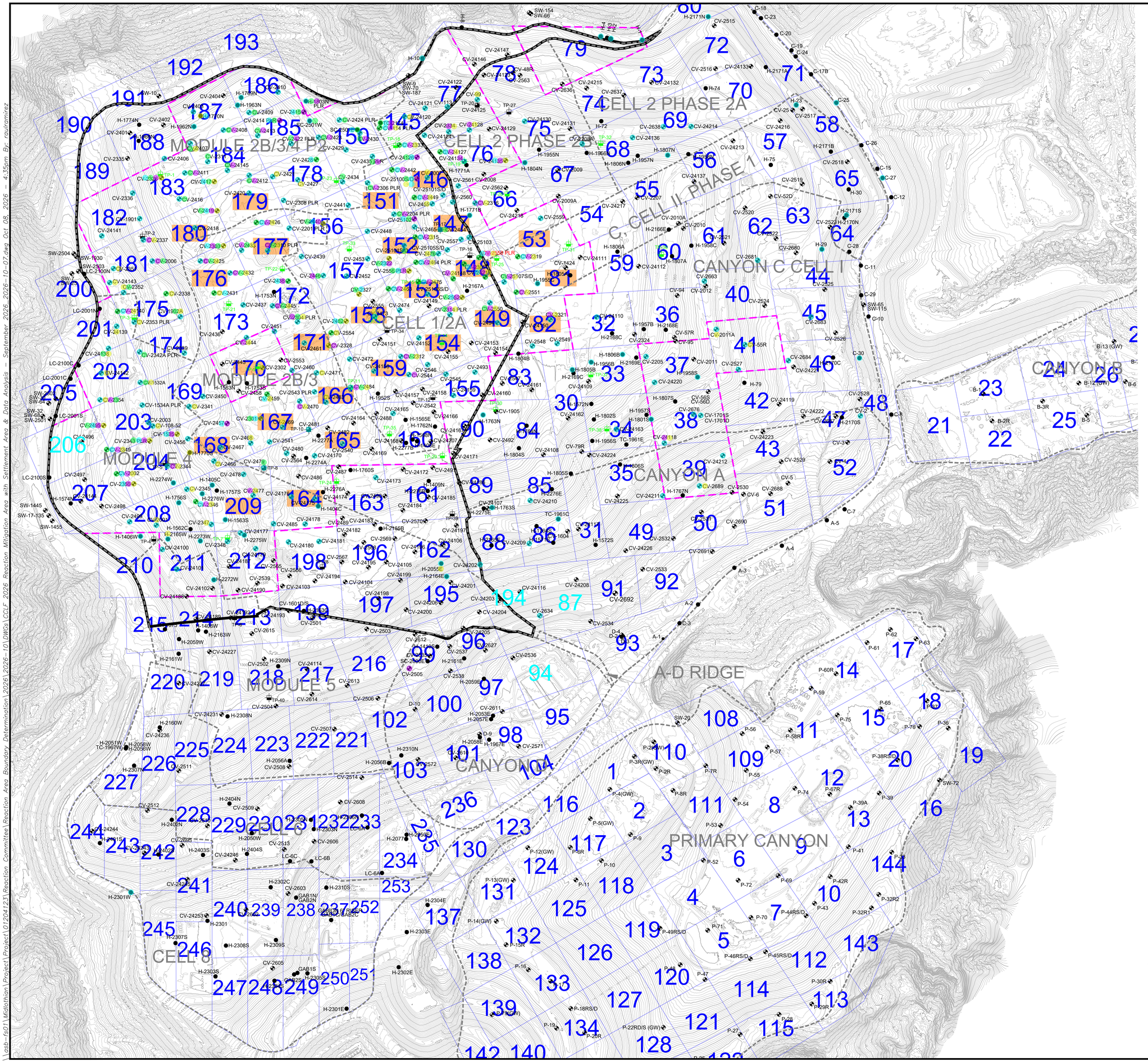
Attachment A – Reaction Mitigation Area Map
Attachment B – In-Situ Waste Temperature Monitoring Probe Data
Attachment C – Isothermal Gradient Range Map
Attachment D – Wellhead Methane-to-Carbon Dioxide Ratio Range Map
Attachment E – Wellhead Hydrogen Range Map
Attachment F – Wellhead Carbon Monoxide Range Map
Attachment G – Settlement Isopach Range Maps

A

Attachment

Reaction Mitigation Area Map

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



GENERAL DRAWING NOTES:

1. EXISTING GCCS AS-BUILT DATED SEPTEMBER 30, 2026.
2. EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLER AERIAL PHOTOGRAPHY DATED SEPTEMBER 30, 2026.
3. APPROXIMATED REACTION MITIGATION AREA BOUNDARY ADJUSTMENTS DATED OCTOBER 10, 2026, BASED ON SEPTEMBER 2026 DATA.
4. NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
5. THE LOCATION OF ANY EXISTING PIPING, VALVES, TIE-IN LOCATIONS AND OTHER FEATURES ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND ARE SUBJECT TO CHANGE BASED ON TOPOGRAPHIC FEATURES AND SITE-SPECIFIC FACTORS.

NO.	REVISION	DATE

SHEET TITLE: REACTION MITIGATION AREA - SEPTEMBER 2026

PROJECT TITLE: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

CLIENT: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH: (562) 426-9544

PROJ. NO.	01204123.45
DSN. BY:	-
DWN. BY:	RR
CHK. BY:	-
APP. BY:	-

ACAD: R17_CCADASBUILT-MASTER5

DATE: 10/09/2026

SCALE: AS SHOWN

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B

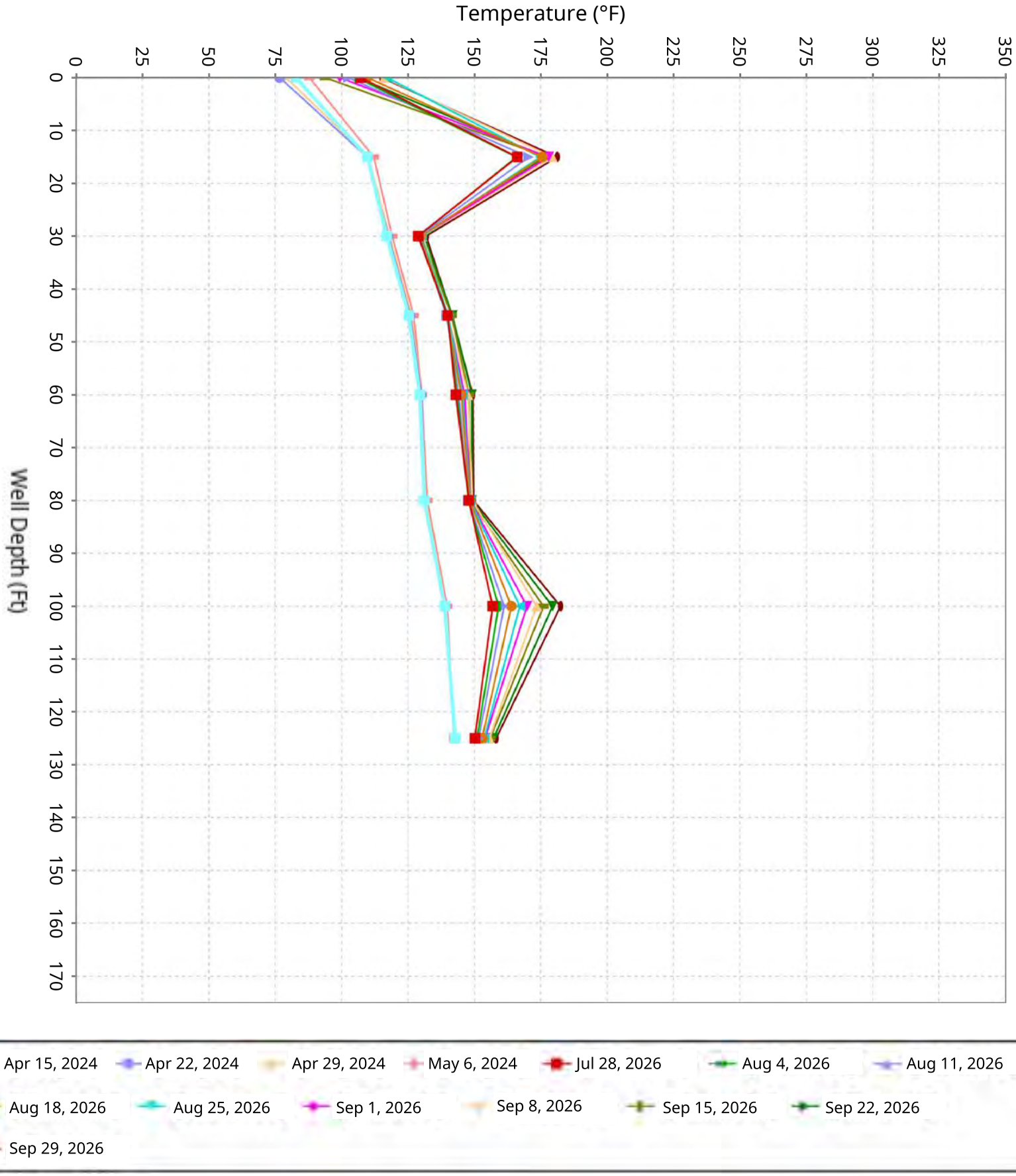
Attachment

In-Situ Waste Temperature Monitoring Probe Data

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-1

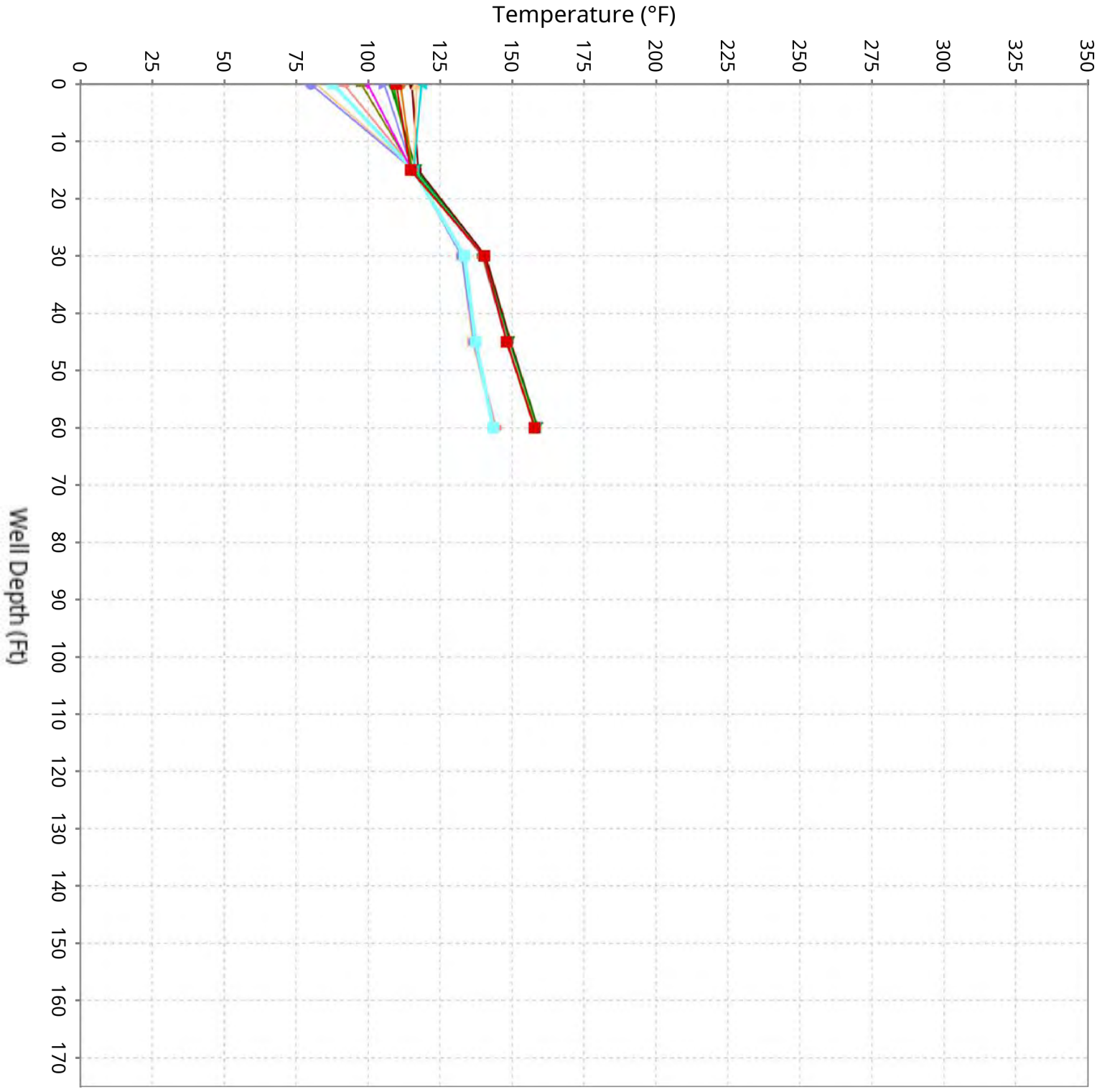
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-2

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

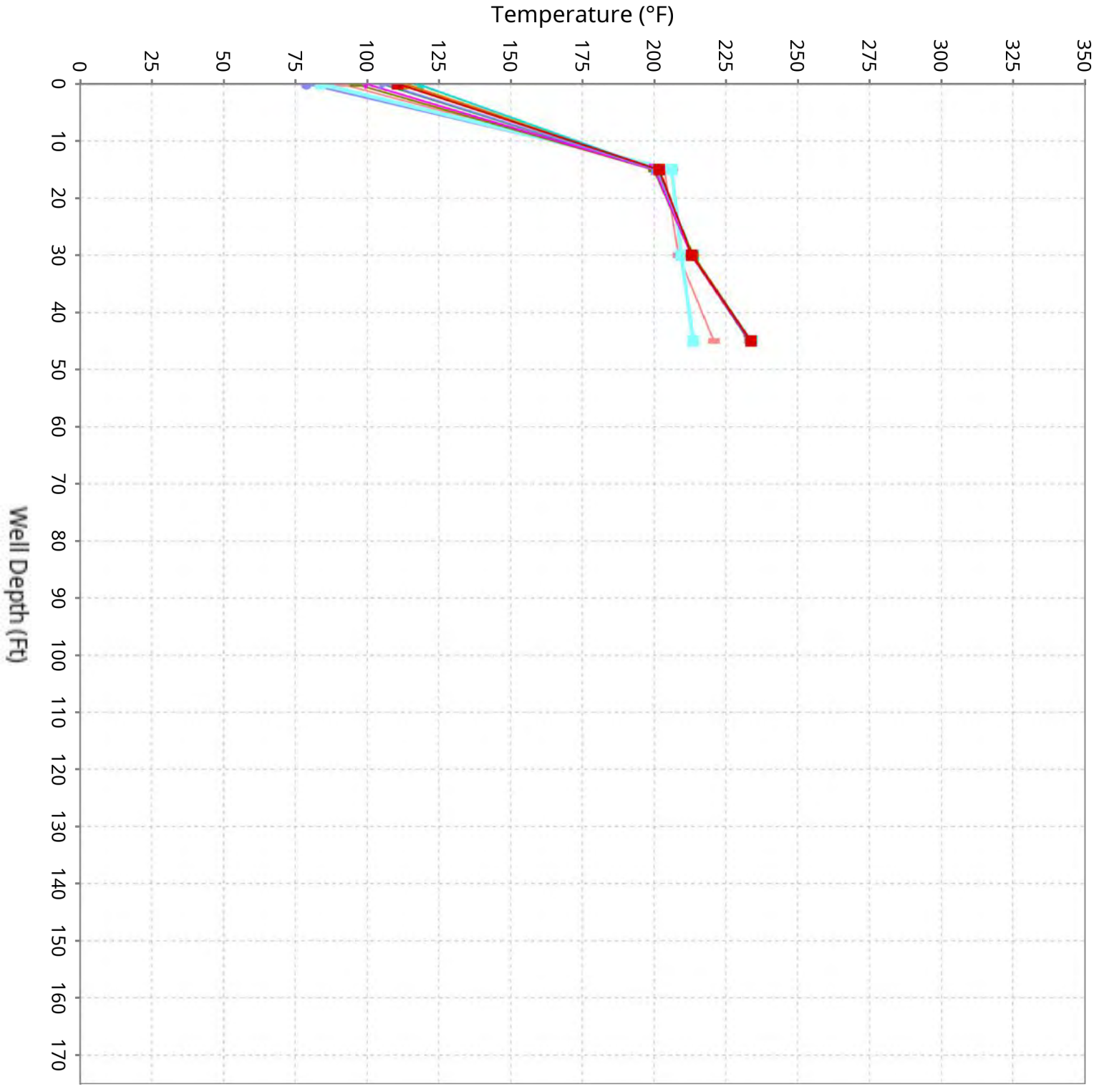


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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-3

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-4

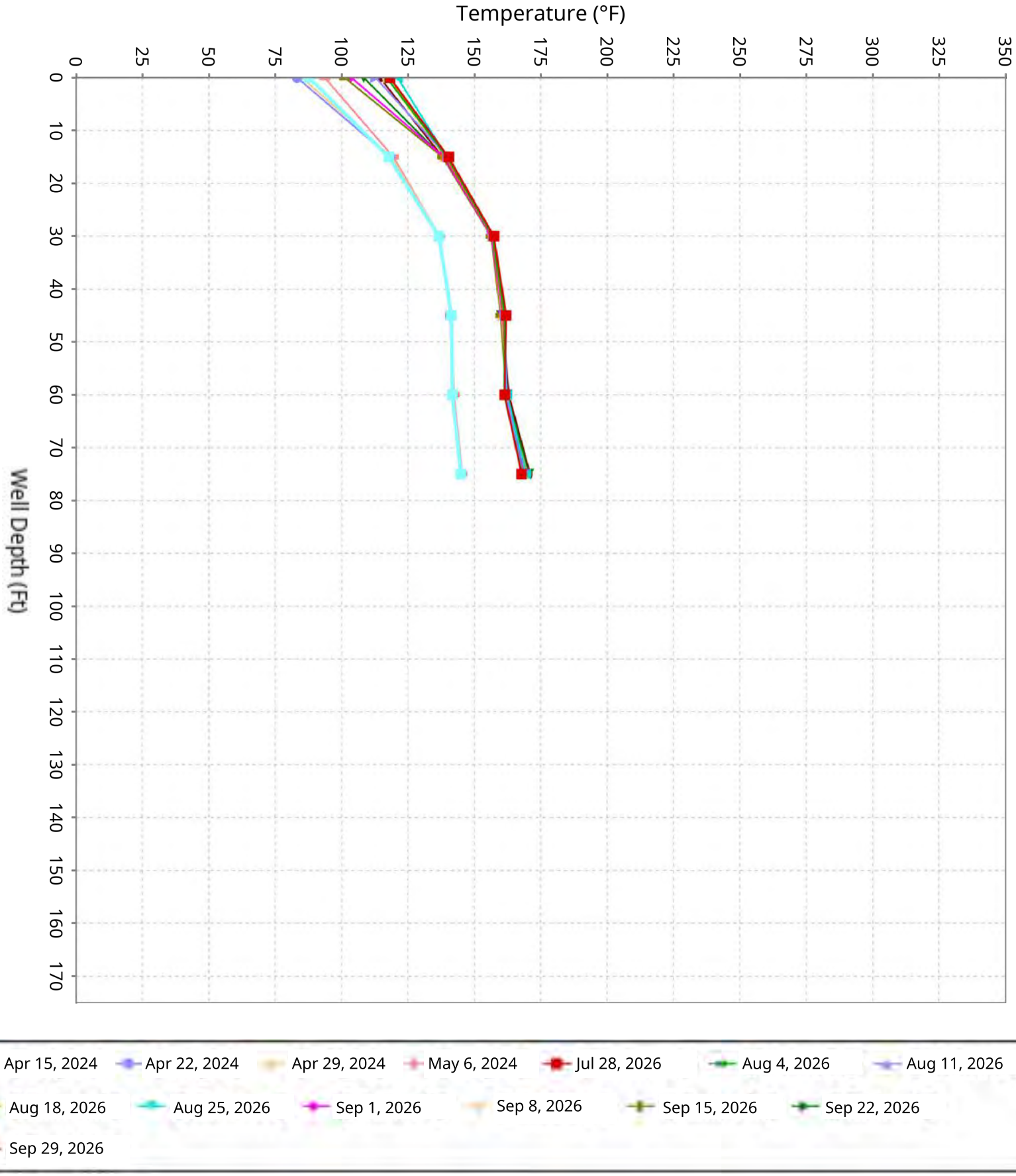
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-5

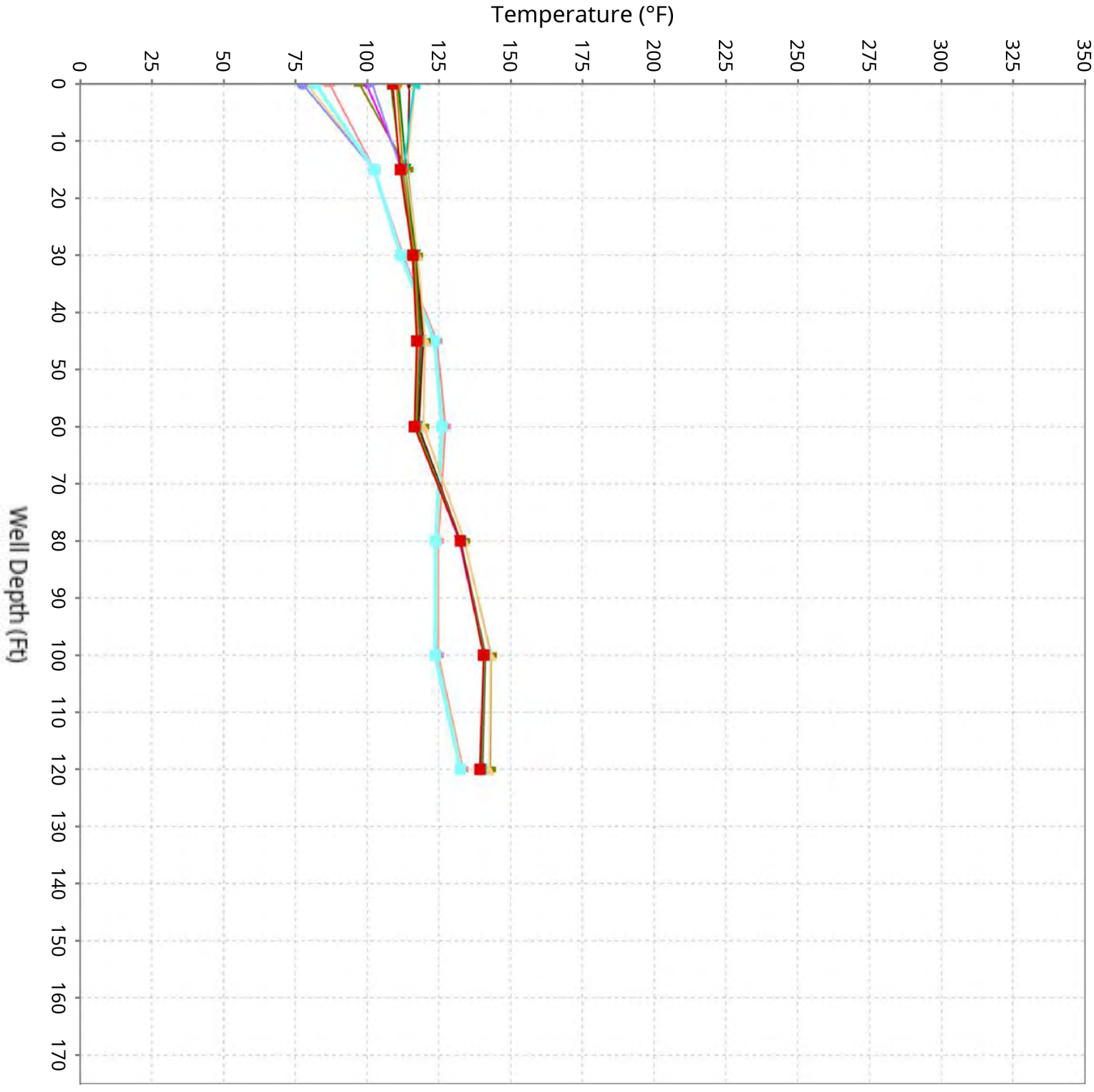
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-6

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

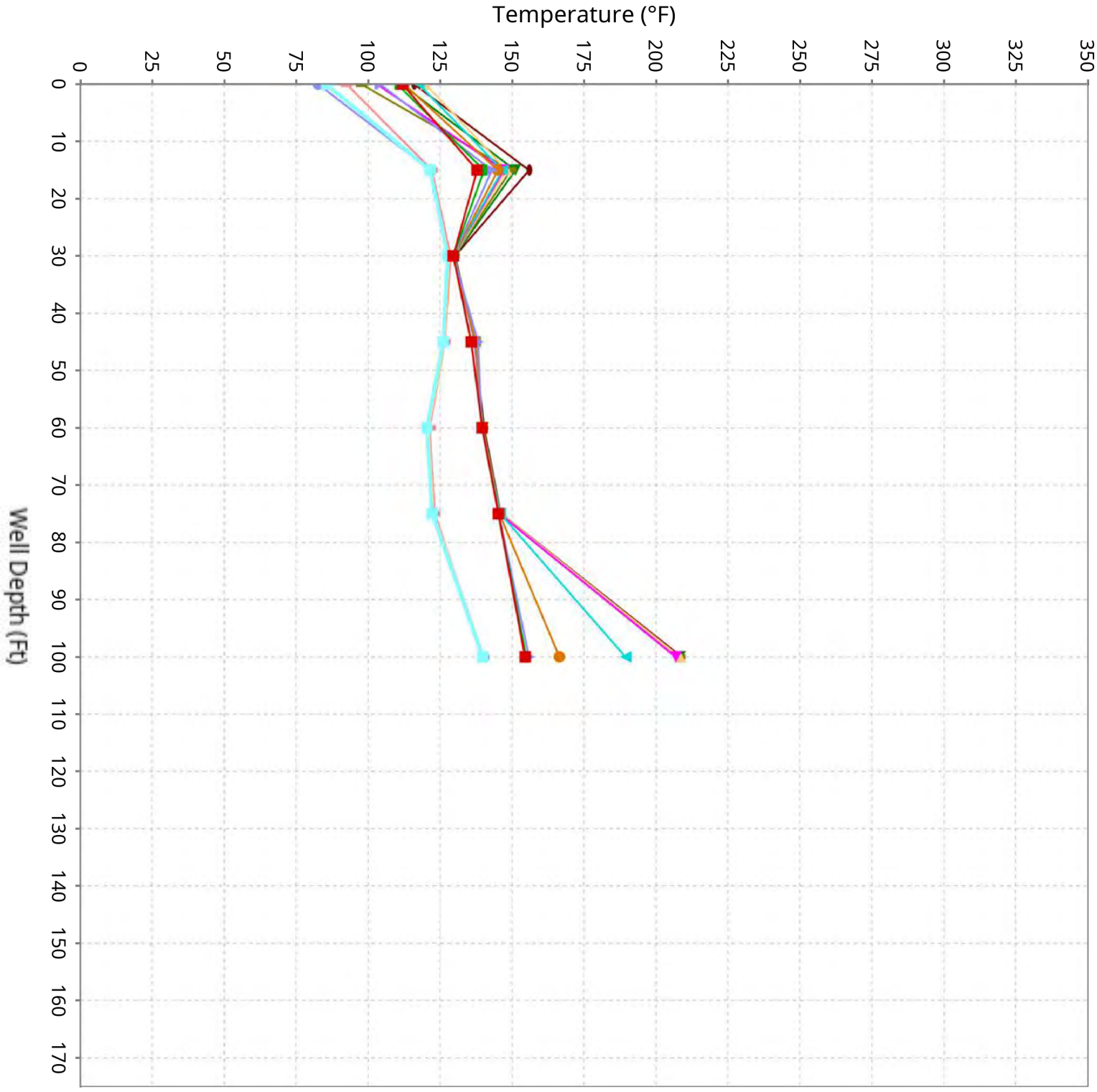


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Aug 18, 2026
Aug 25, 2026
Sep 1, 2026
Sep 8, 2026
Sep 15, 2026
Sep 22, 2026
Sep 29, 2026

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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-7

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

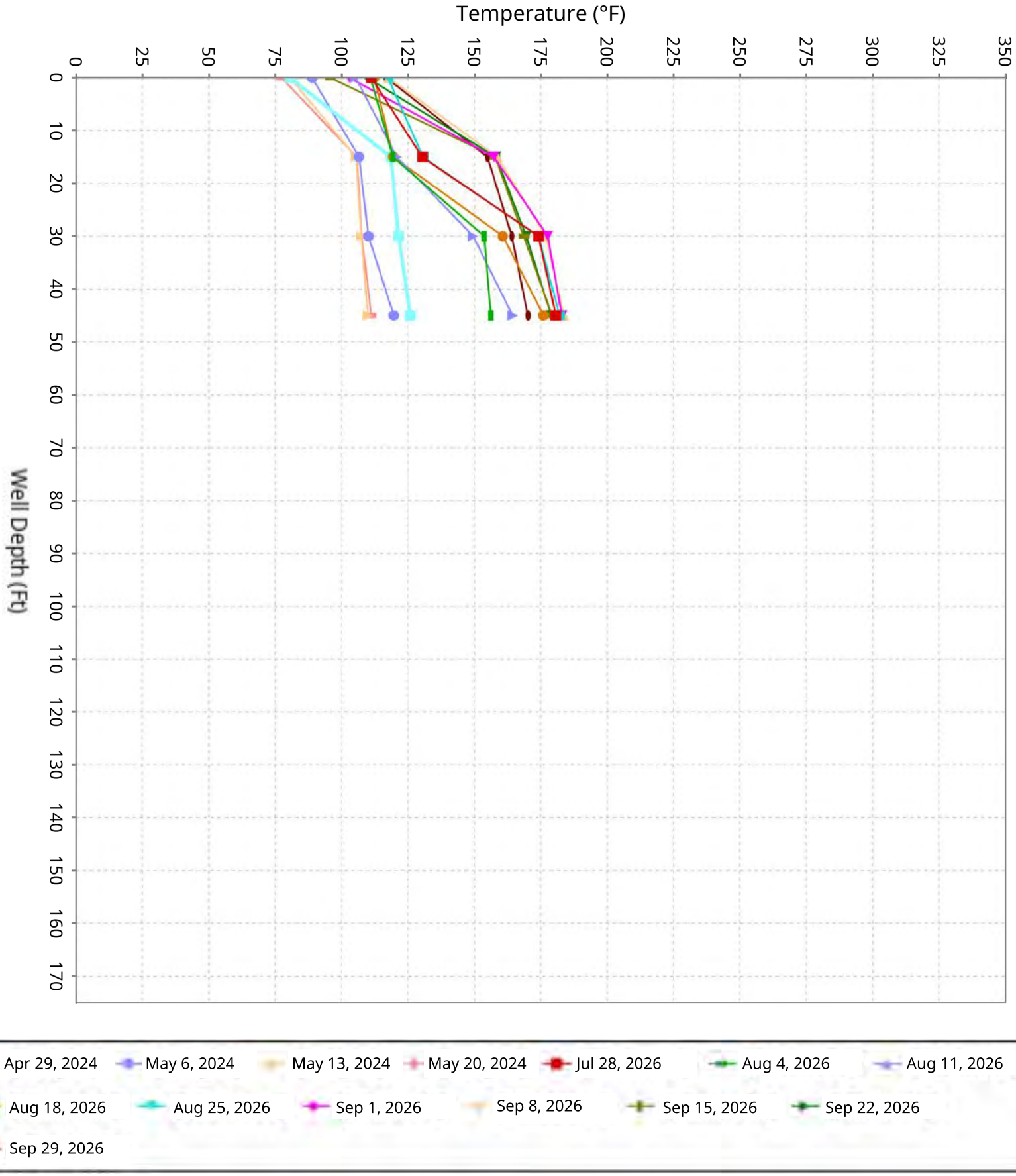


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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-8

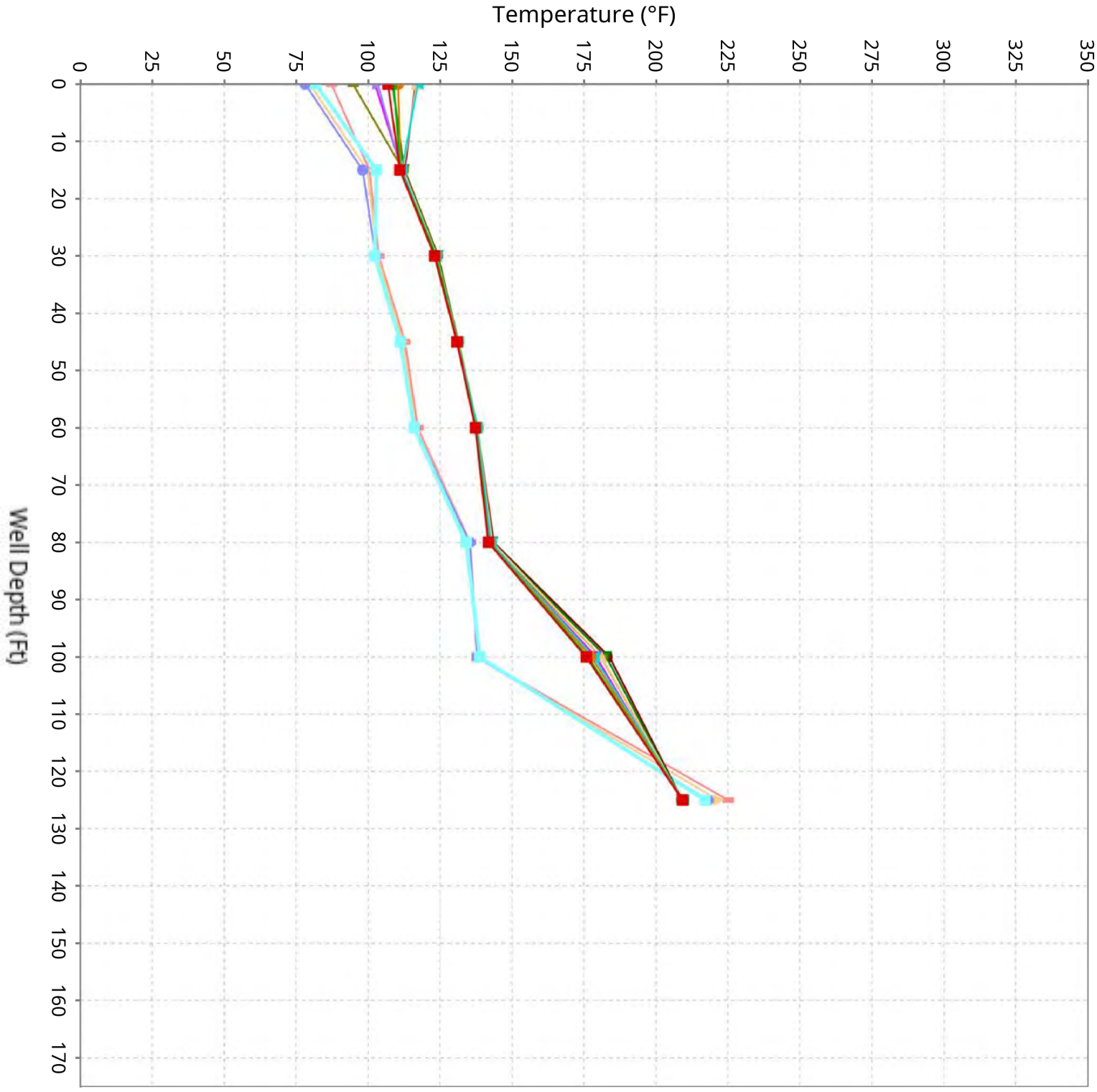
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-9

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

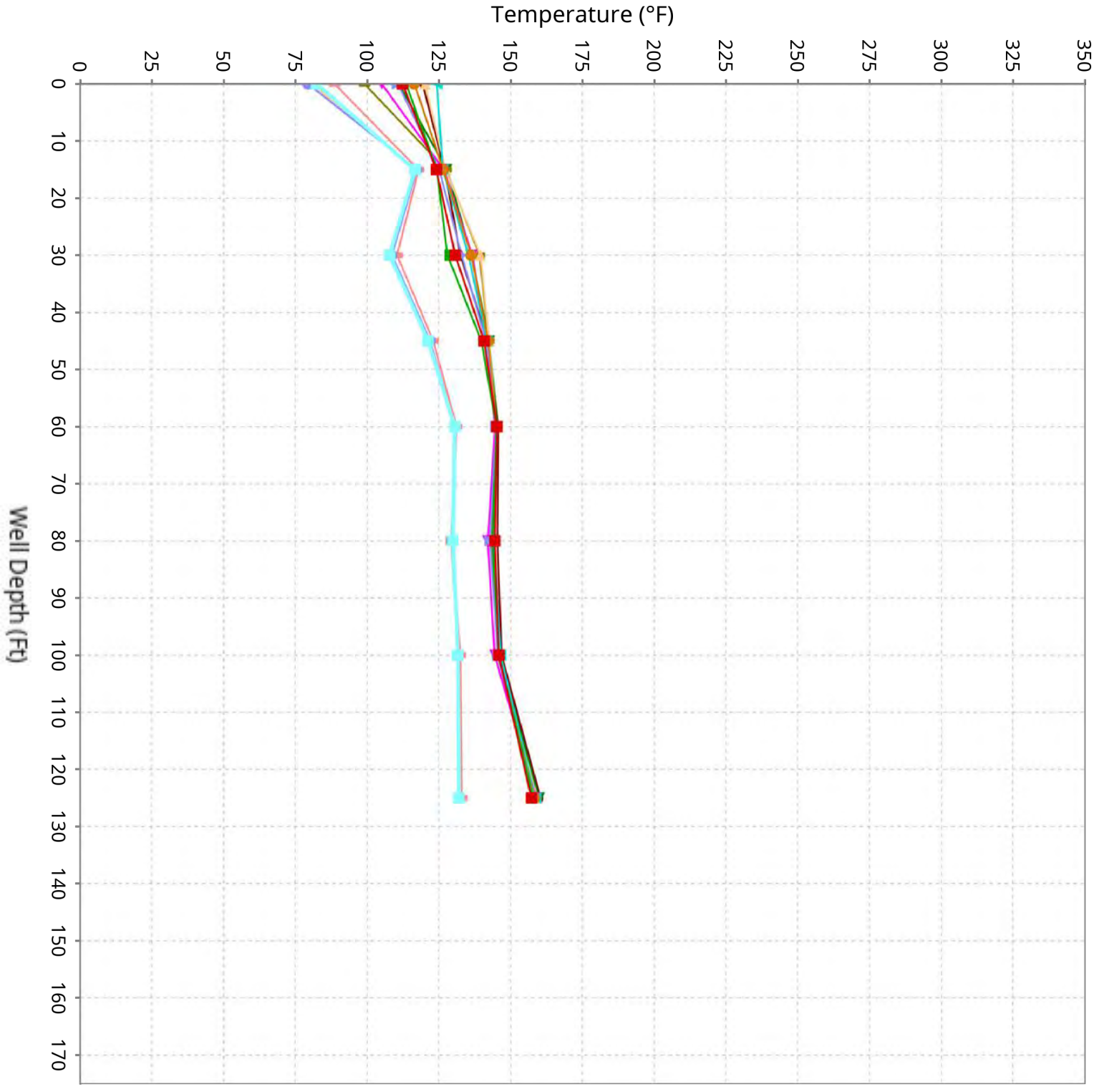


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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-10

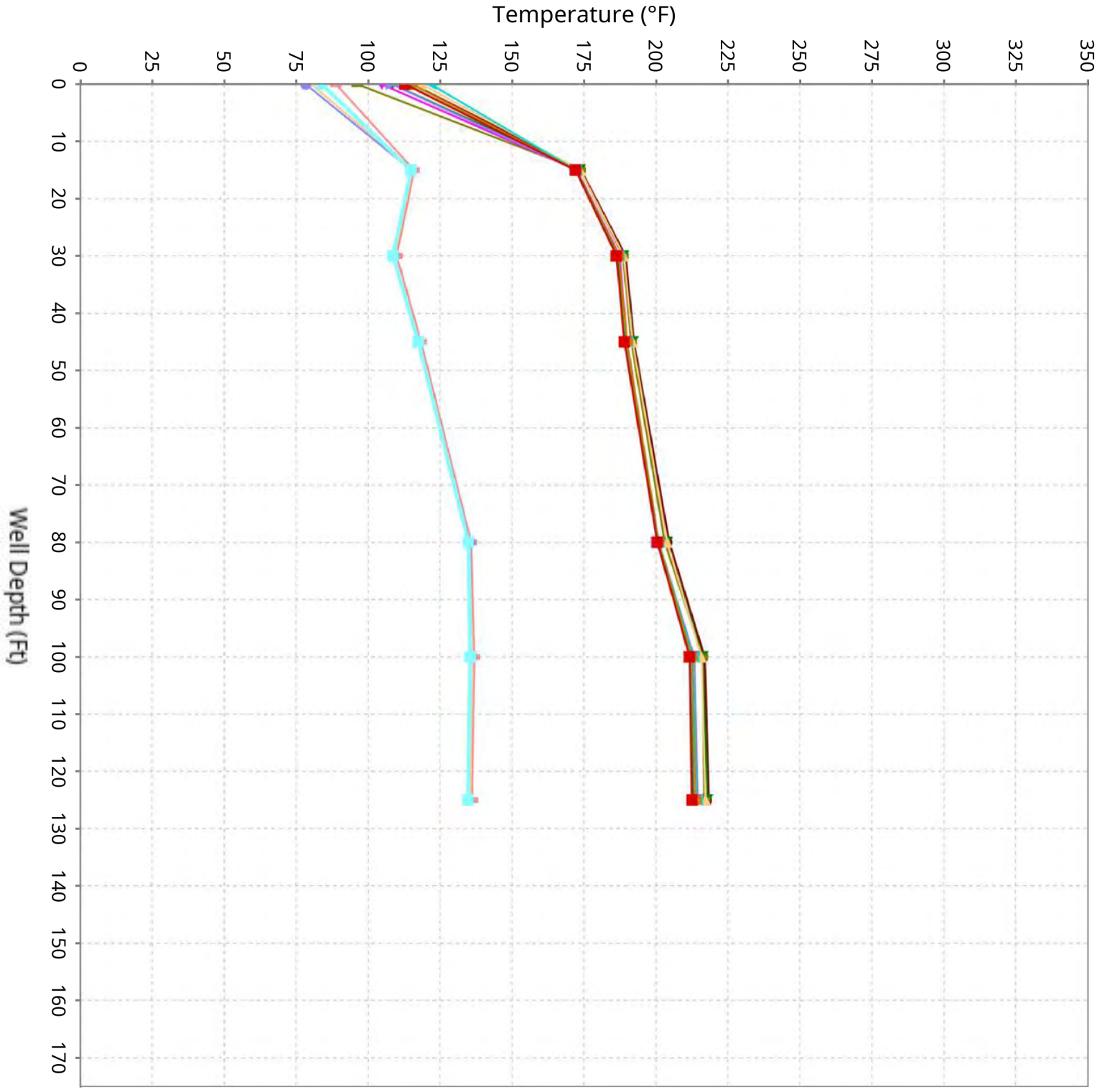
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-11

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

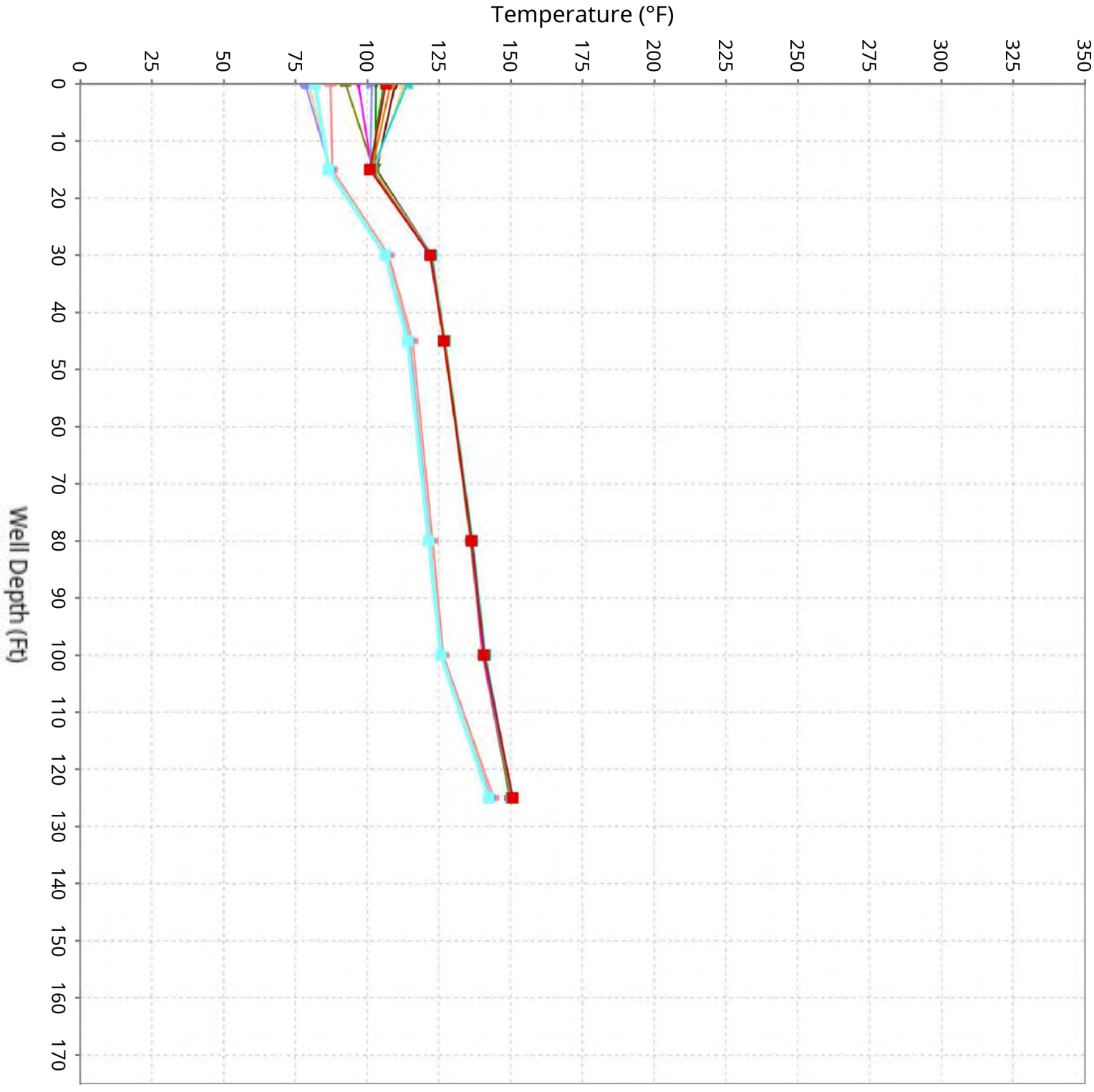


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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-12

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

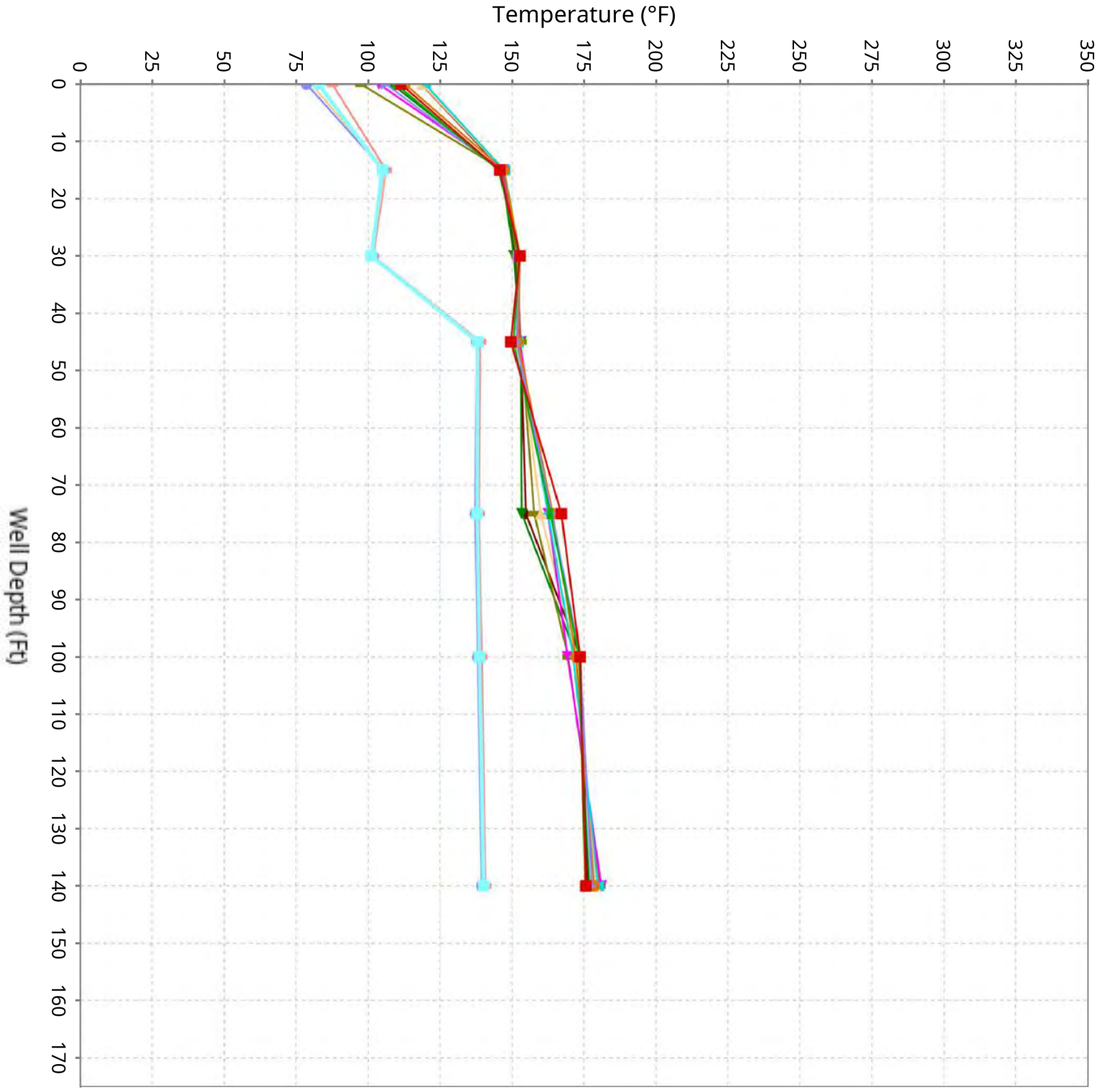


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Sep 29, 2026

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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-13

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

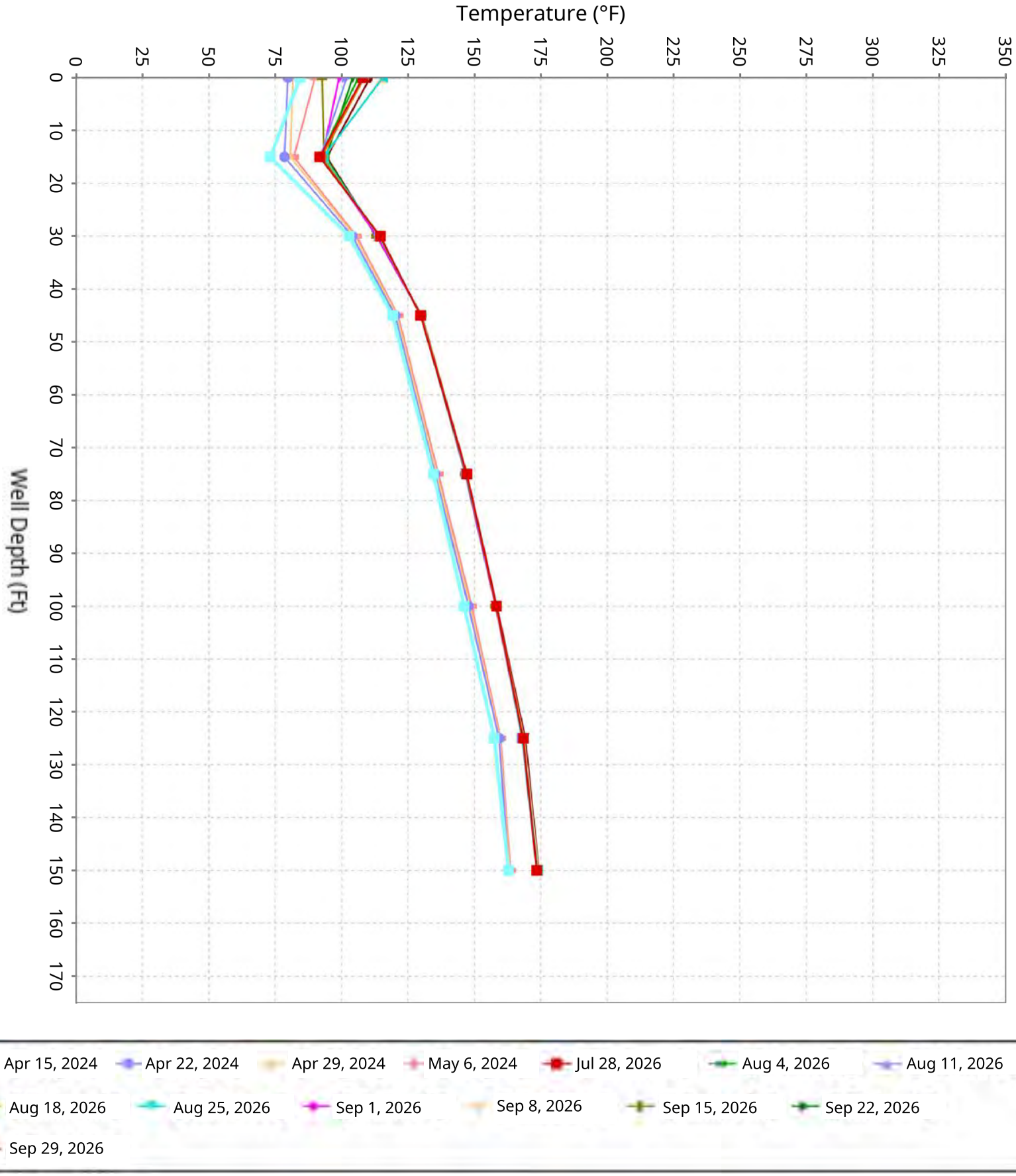


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Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-14

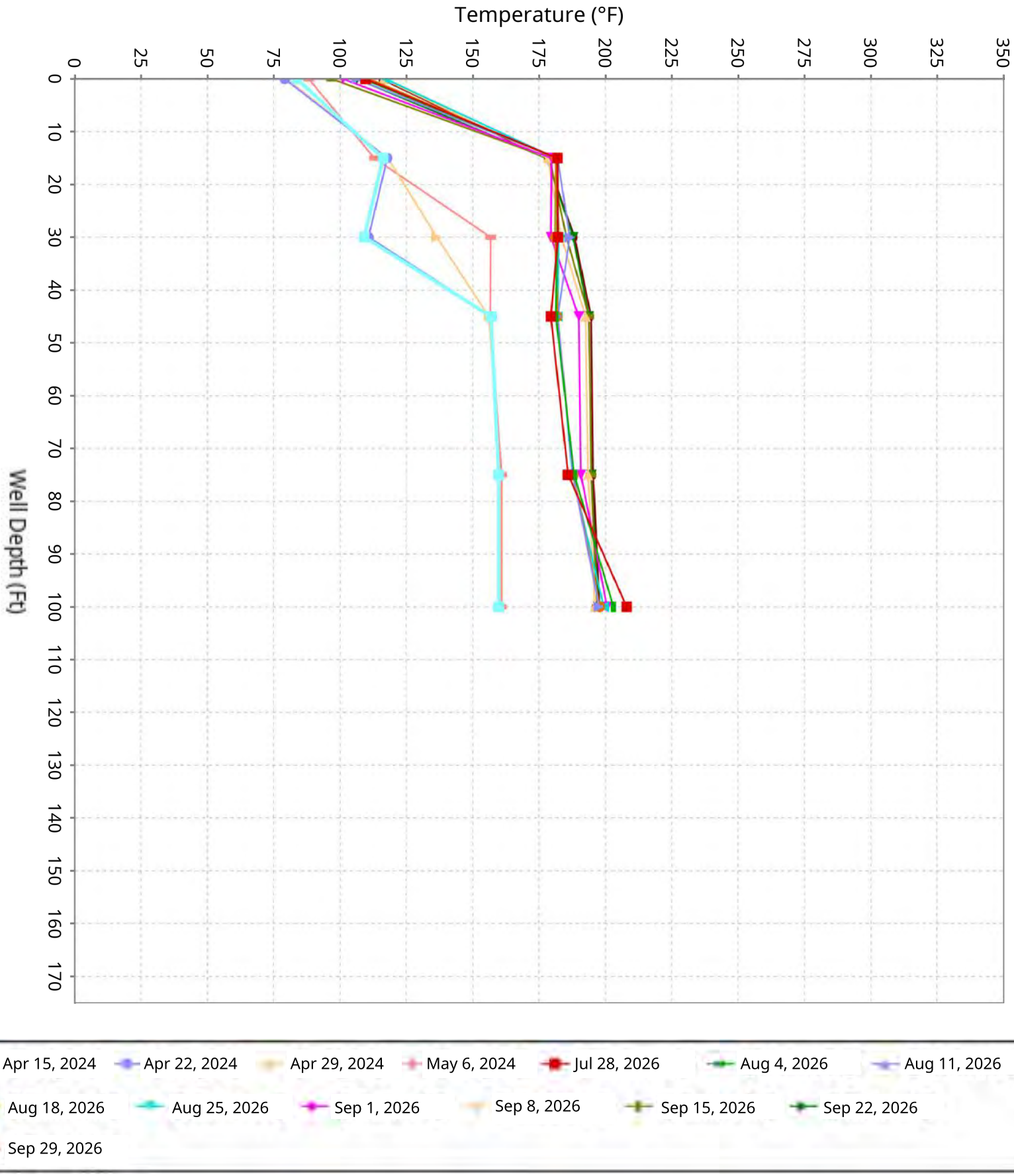
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-15

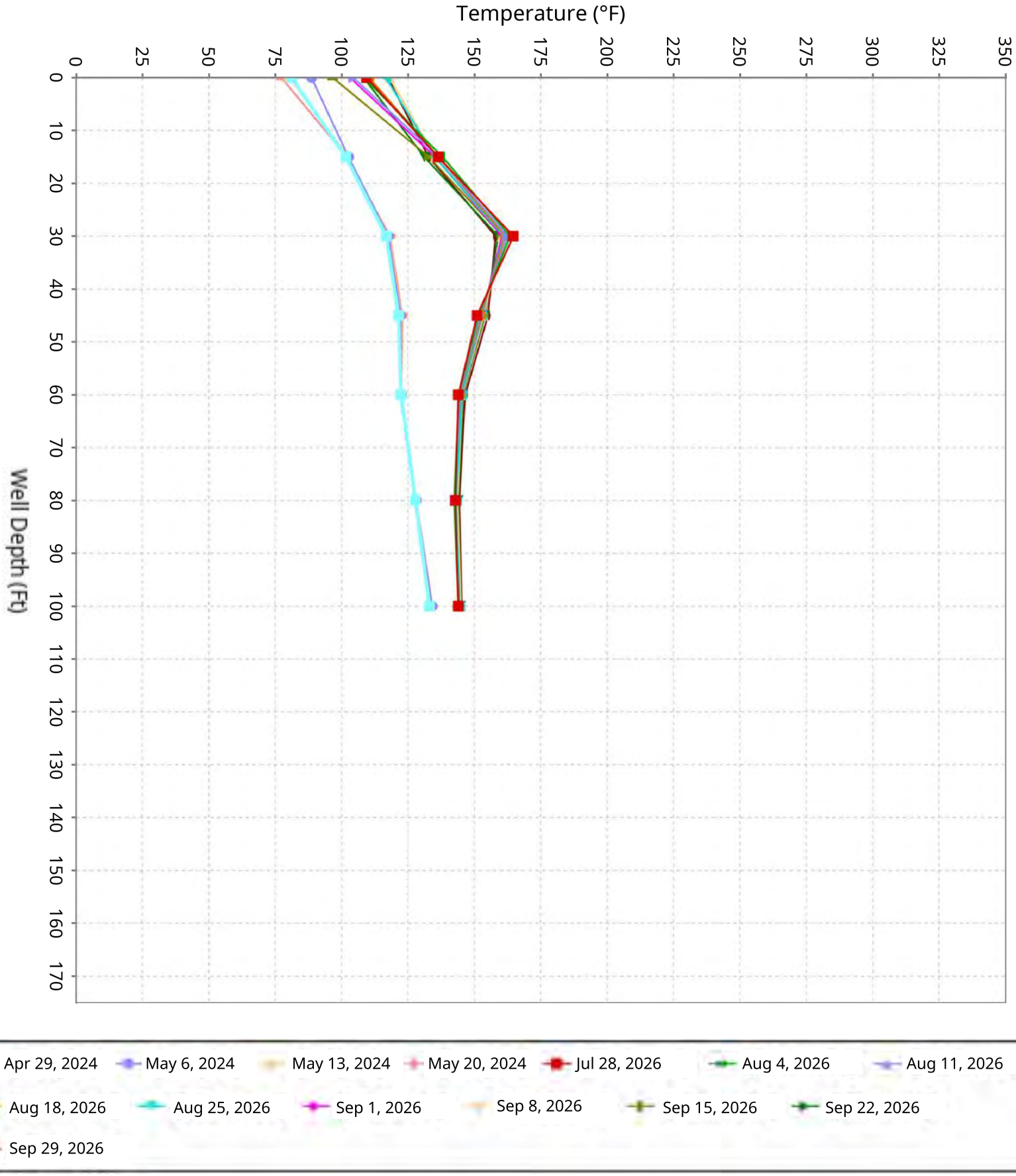
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-16

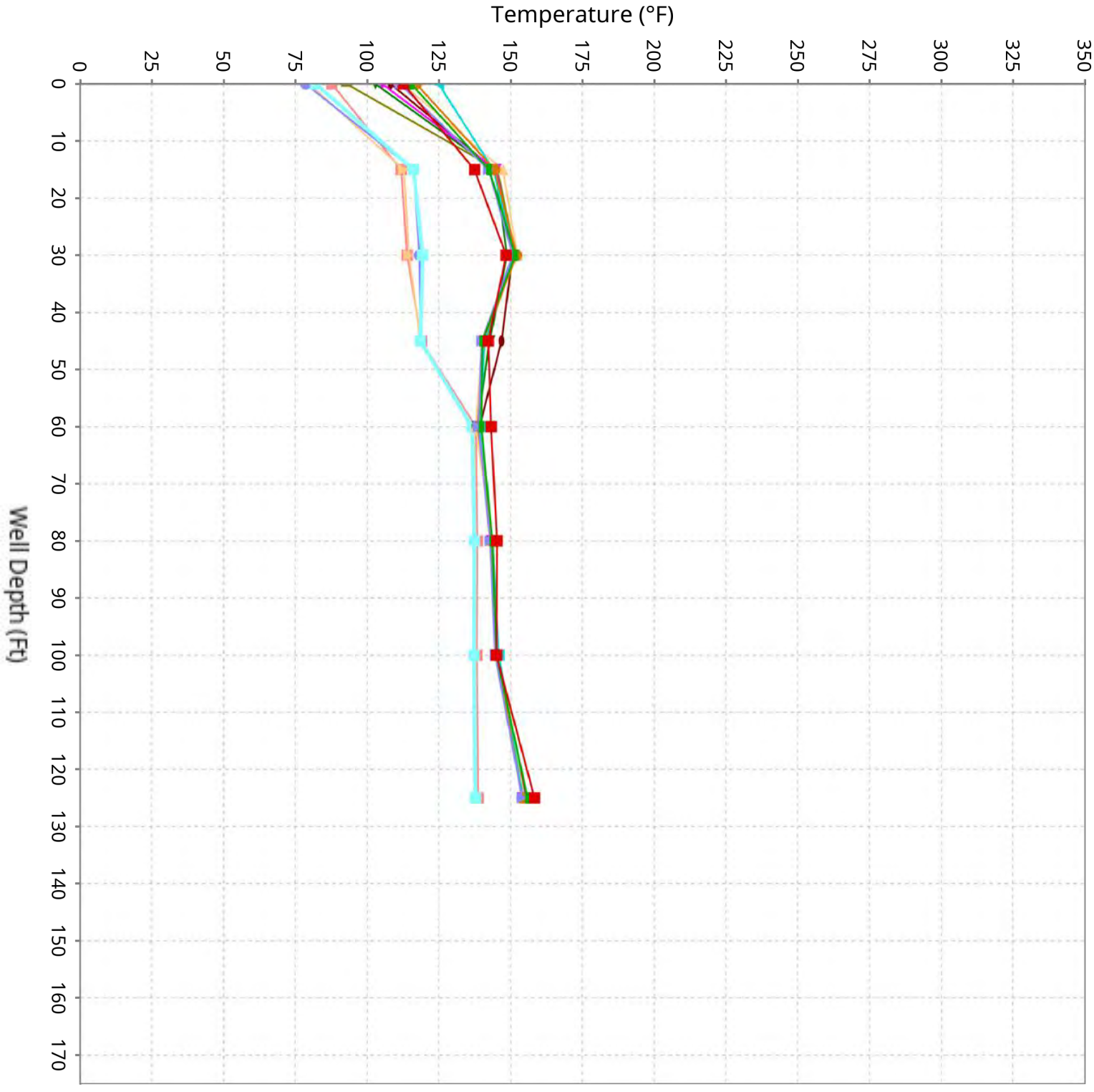
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-17

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

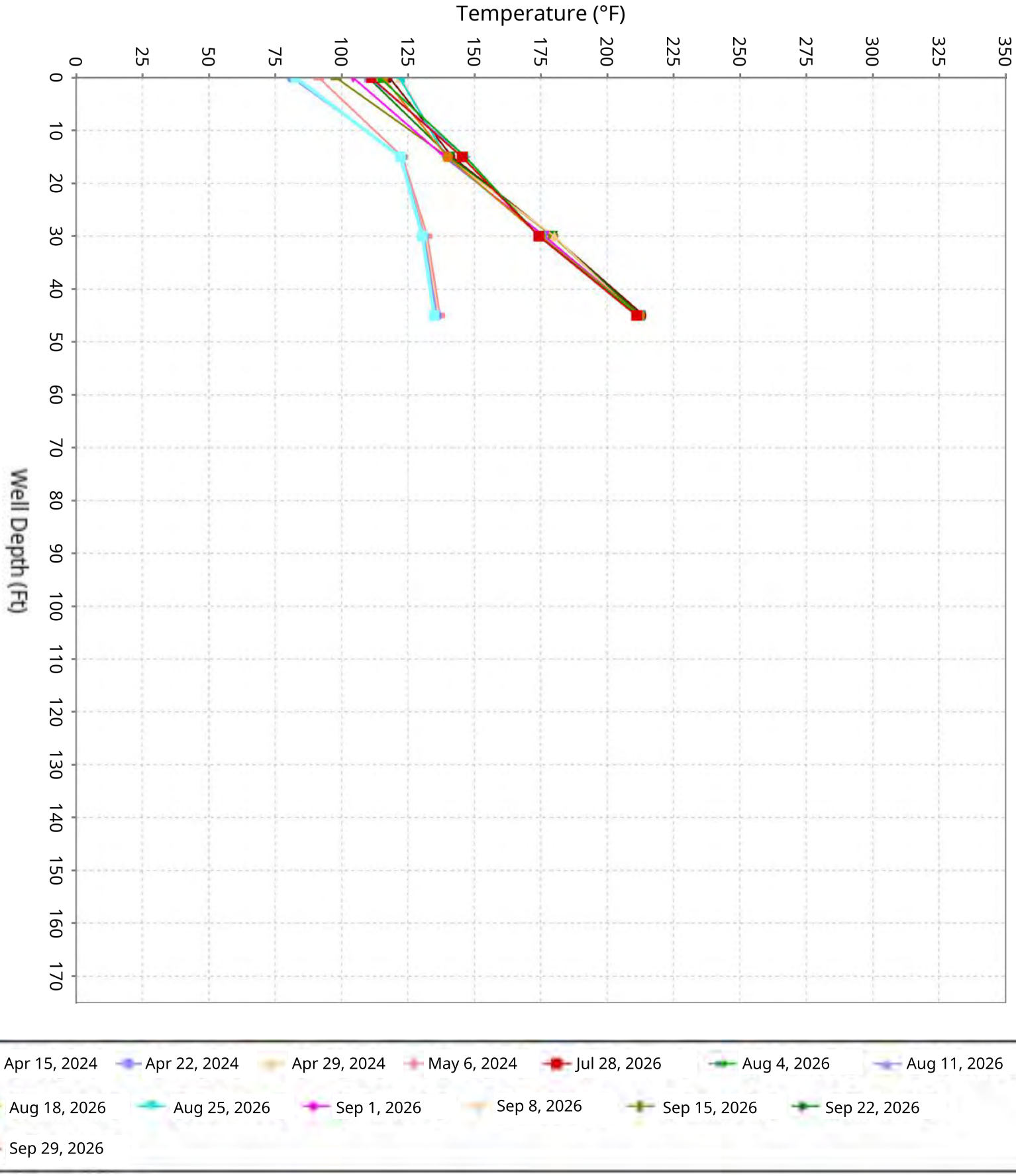


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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-18

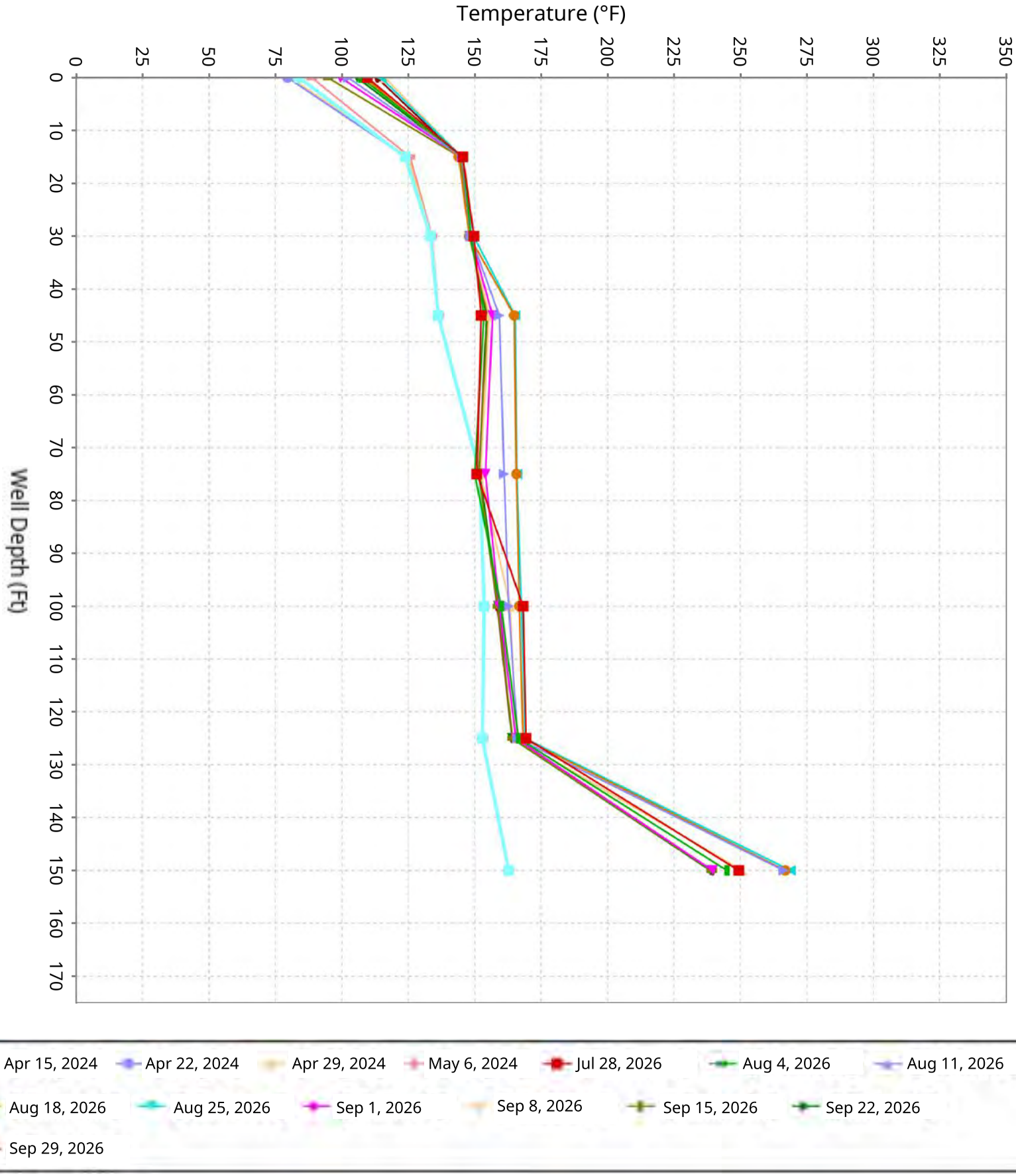
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-19

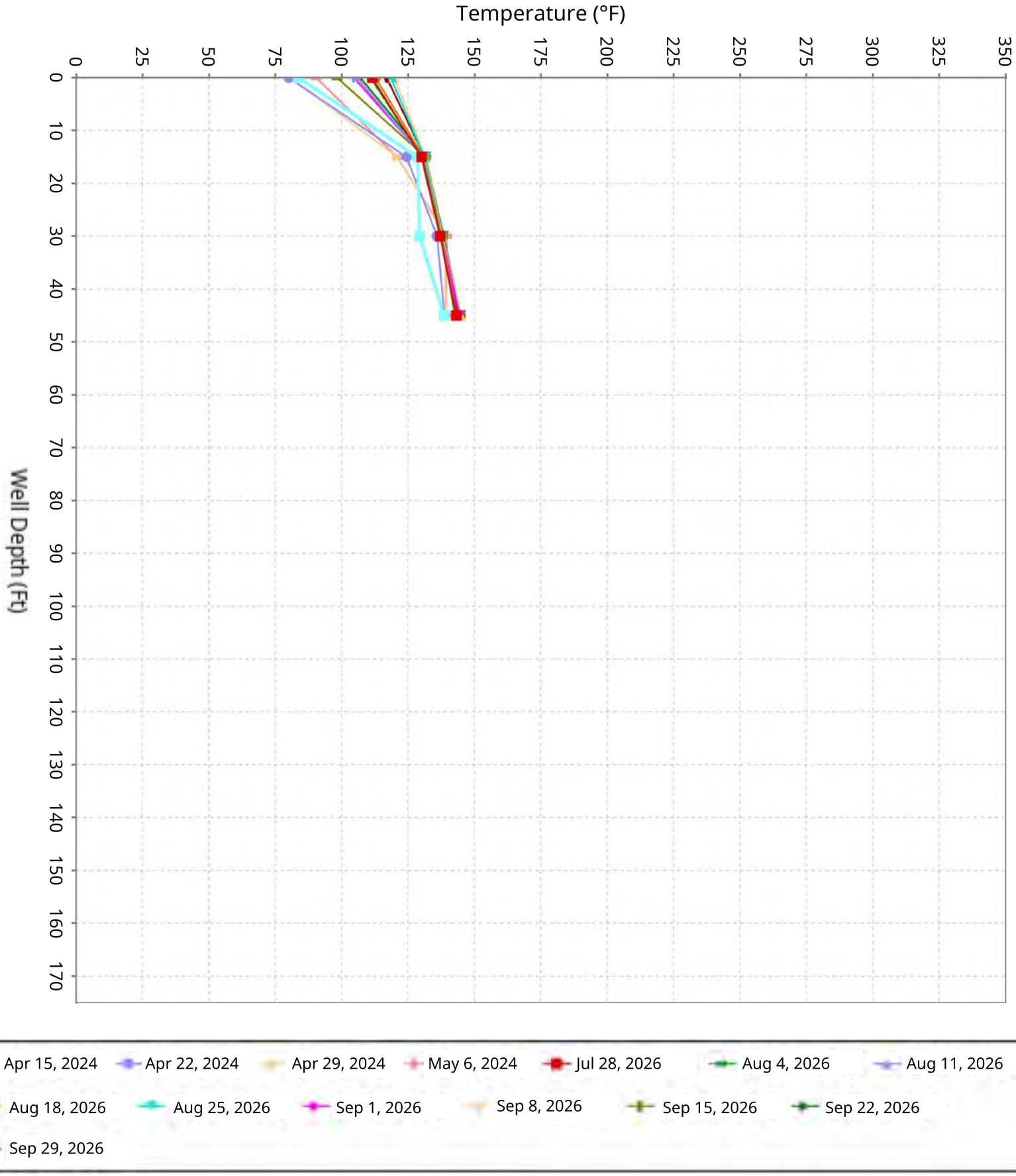
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



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Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-20

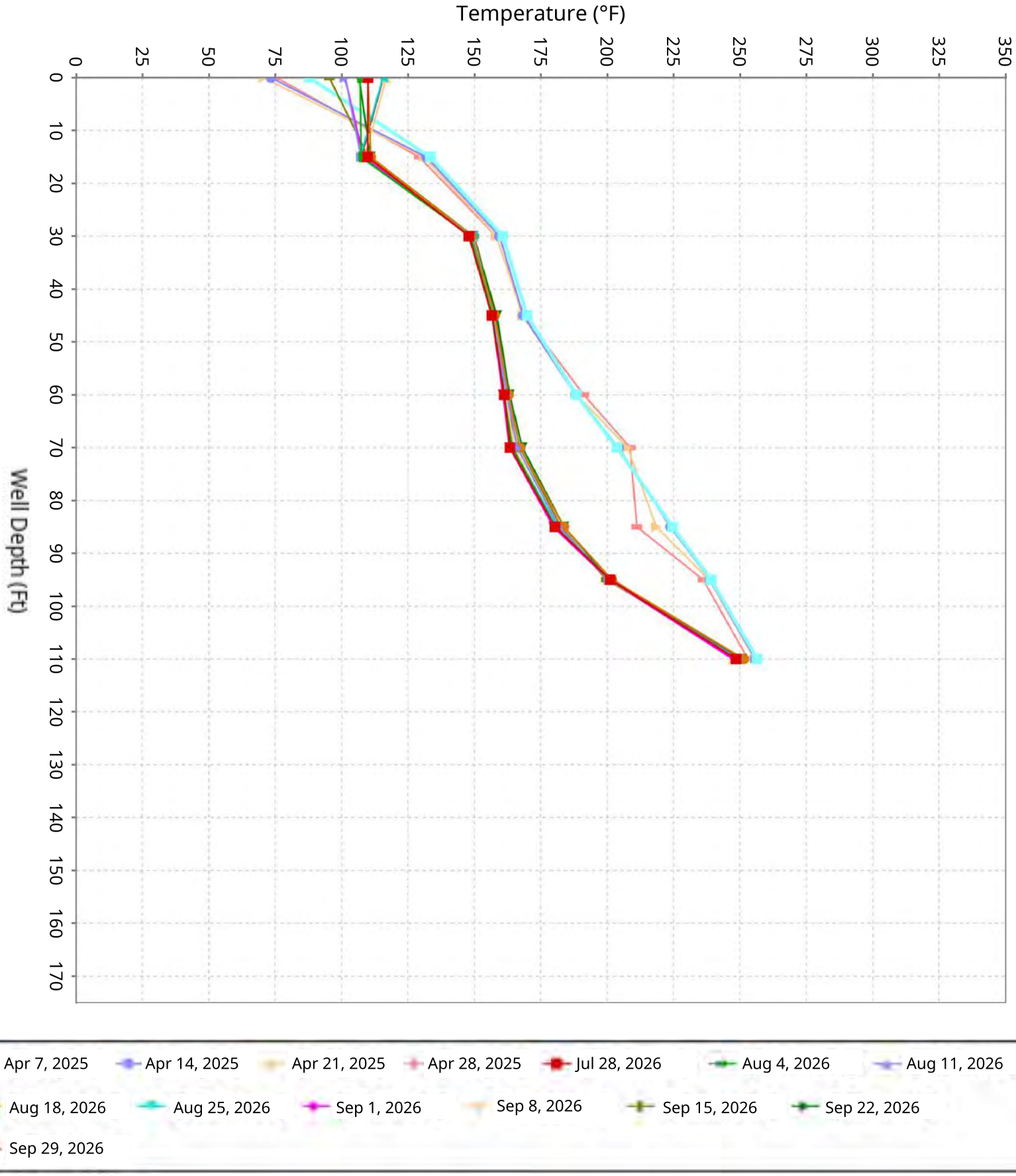
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-21

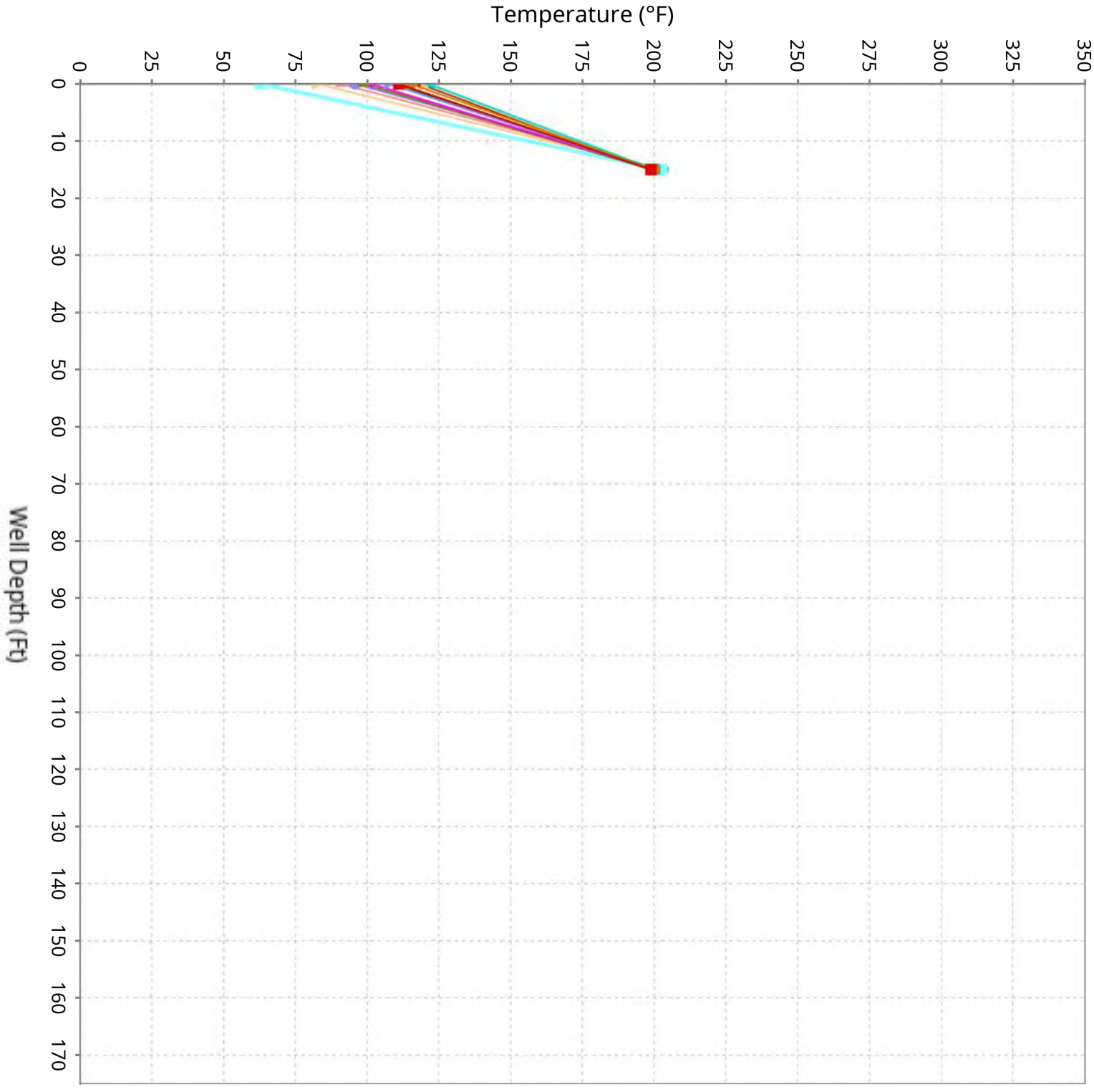
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-22

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

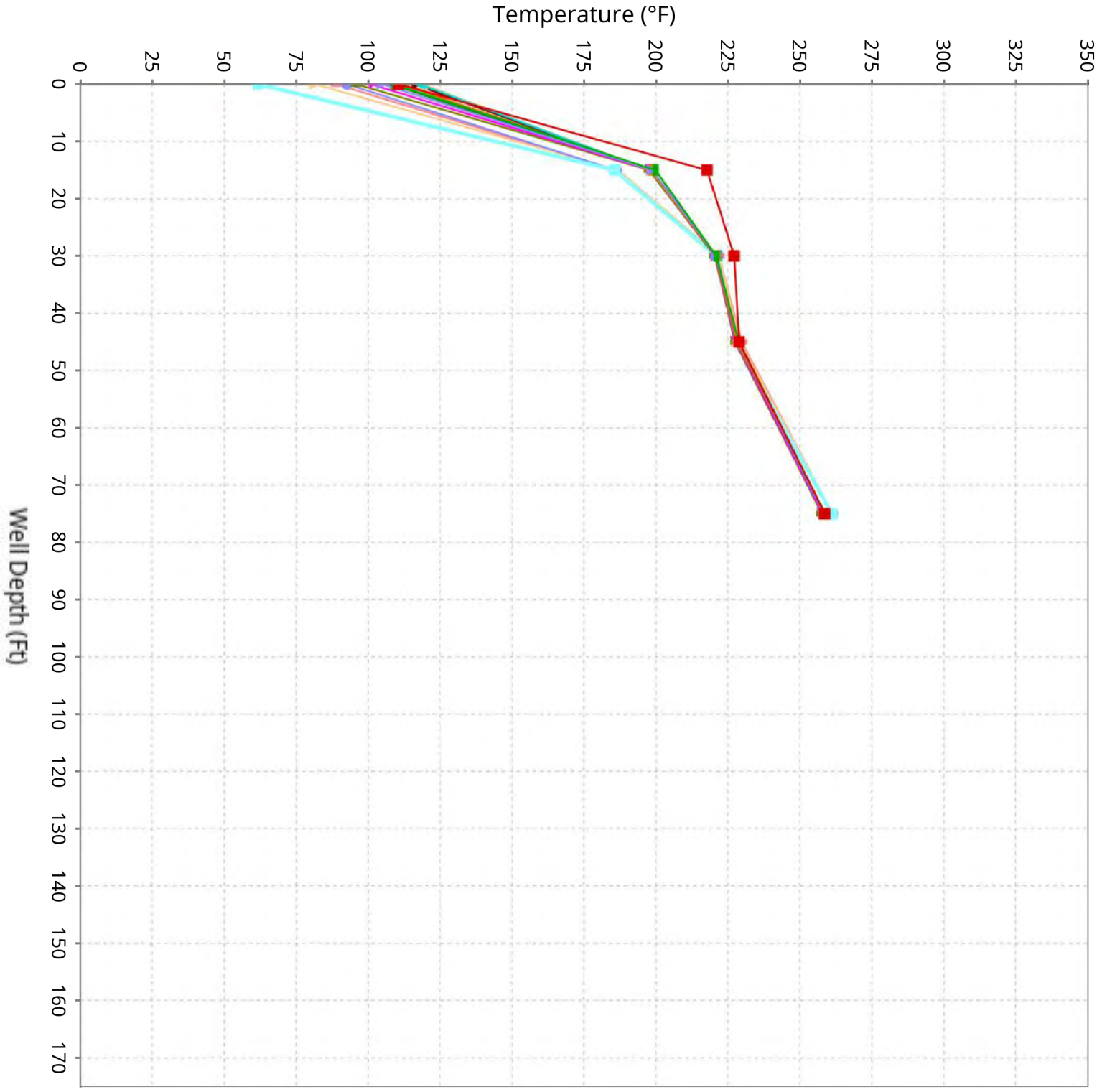


Feb 16, 2026 Feb 23, 2026 Mar 2, 2026 Mar 9, 2026 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-23

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

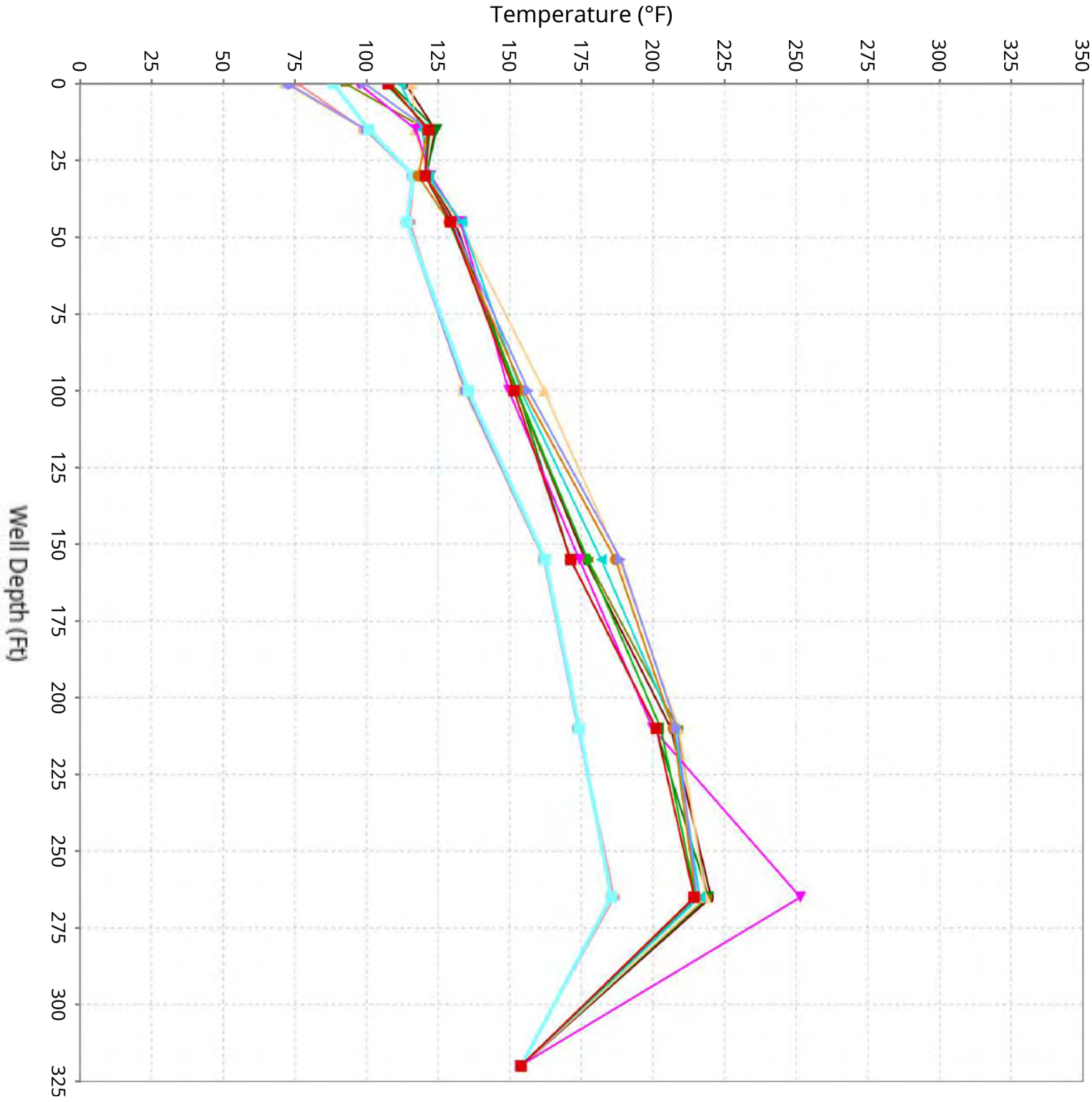


Feb 16, 2026 Feb 23, 2026 Mar 2, 2026 Mar 9, 2026 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-24

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

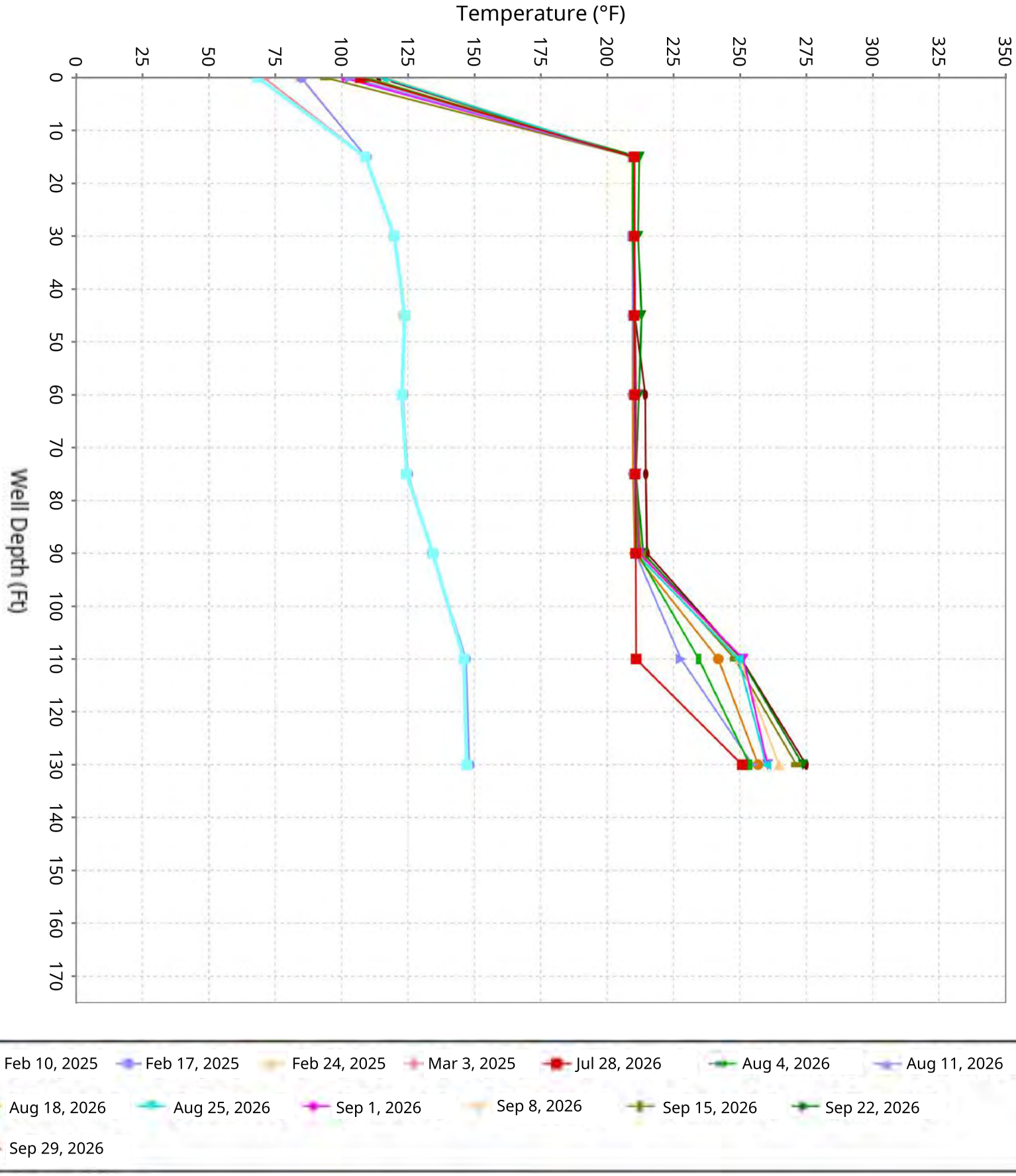


Apr 7, 2025 Apr 14, 2025 Apr 21, 2025 Apr 28, 2025 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-25

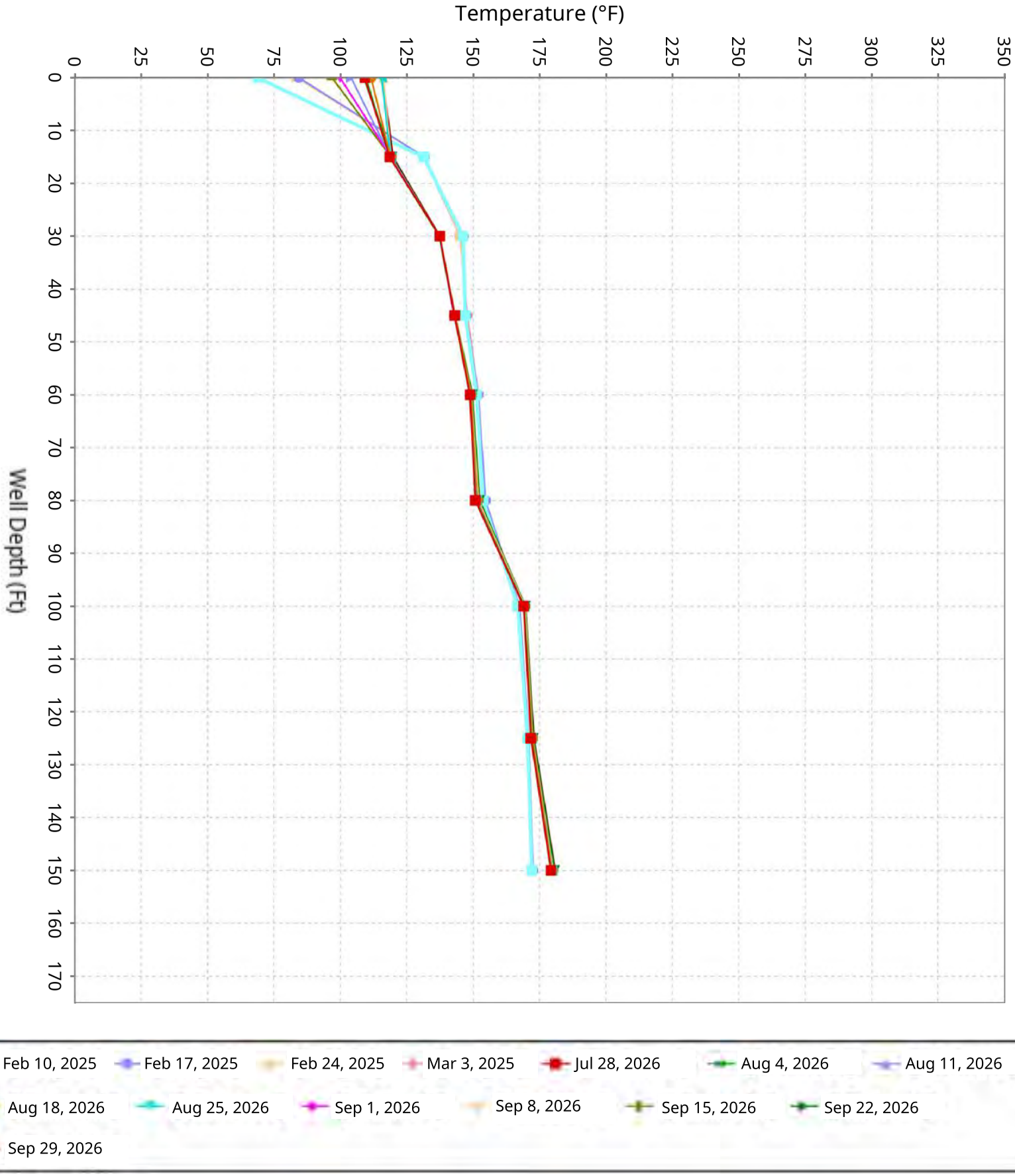
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-26

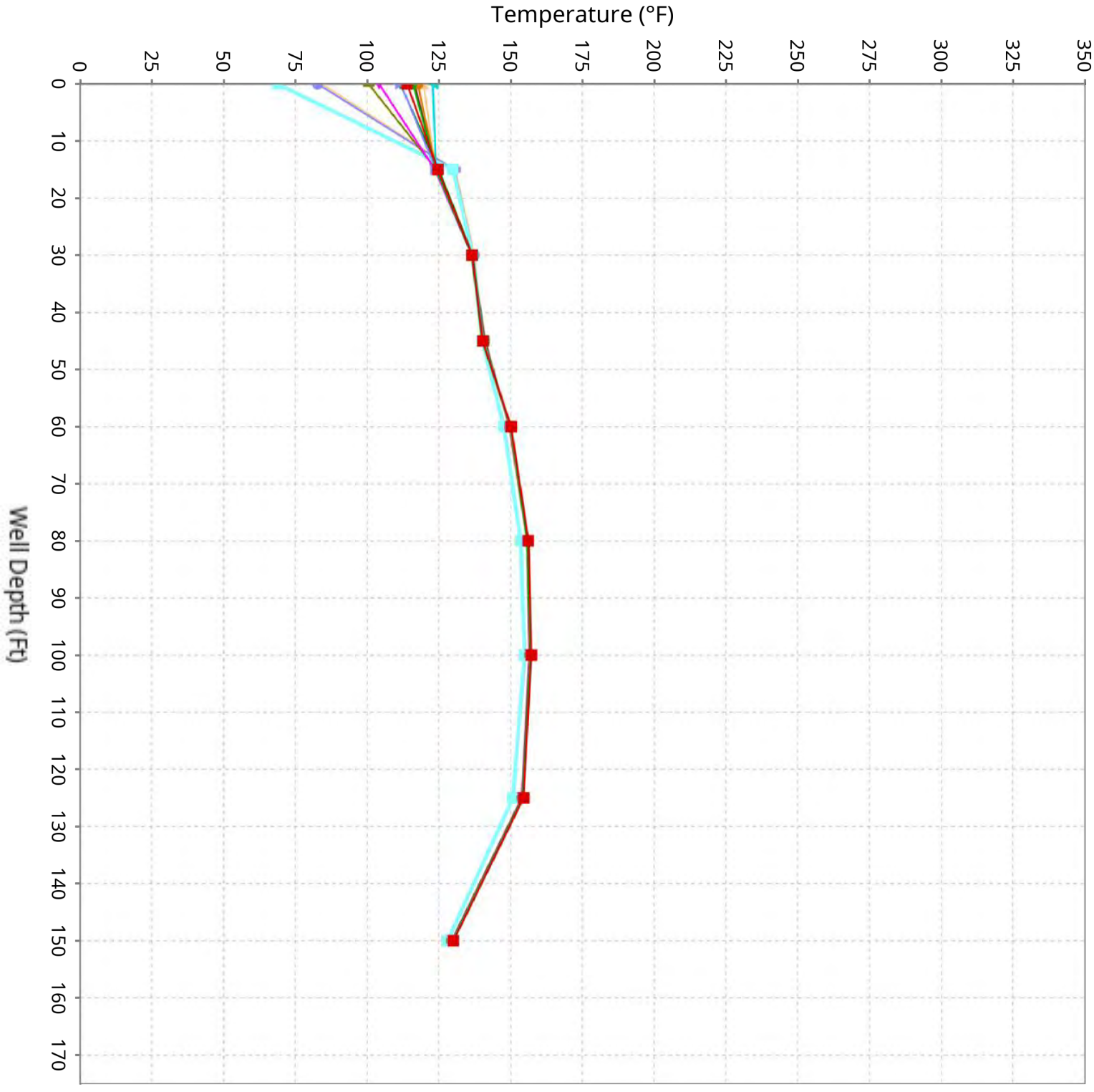
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-27

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

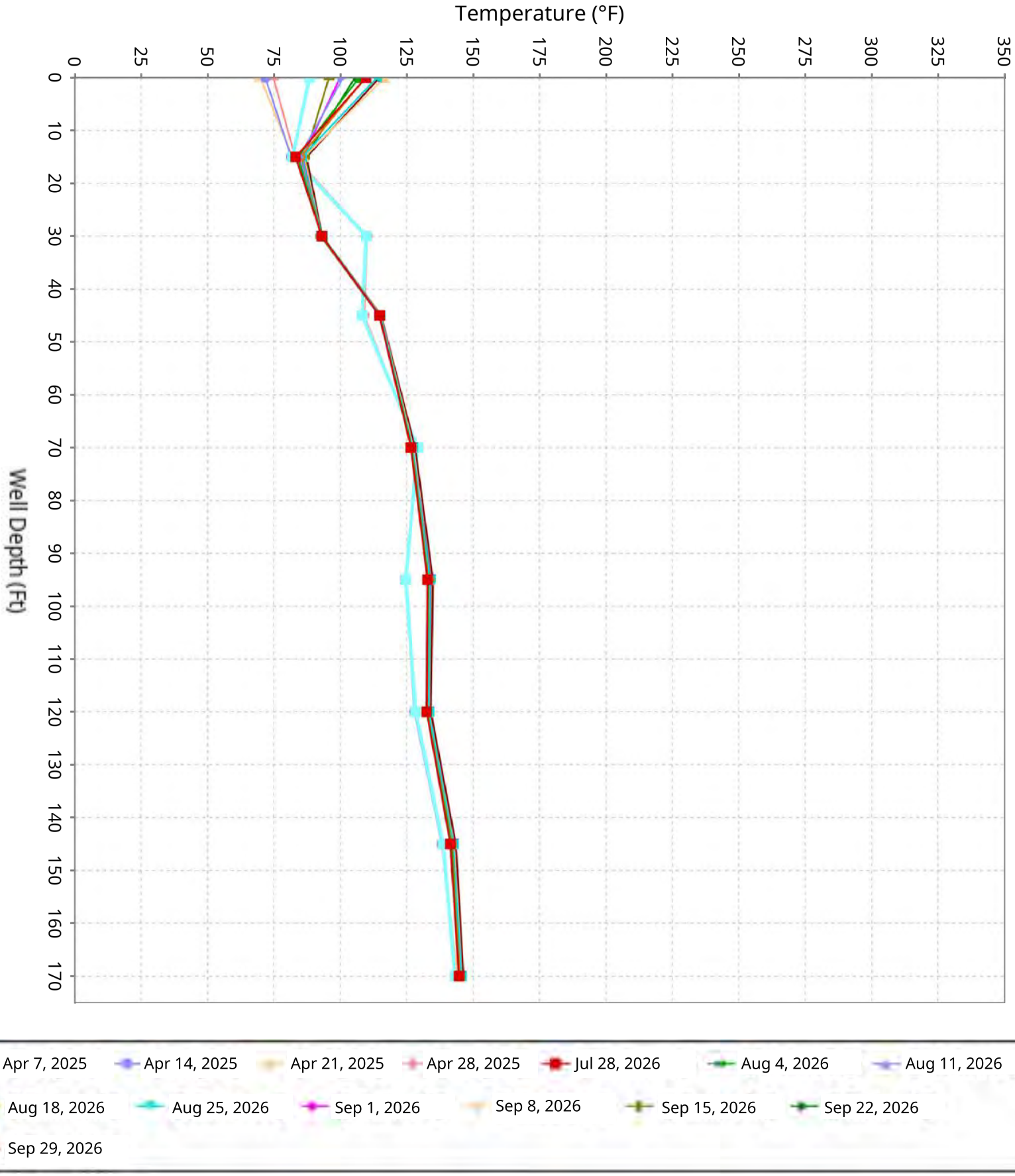


Feb 10, 2025 Feb 17, 2025 Feb 24, 2025 Mar 3, 2025 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-28

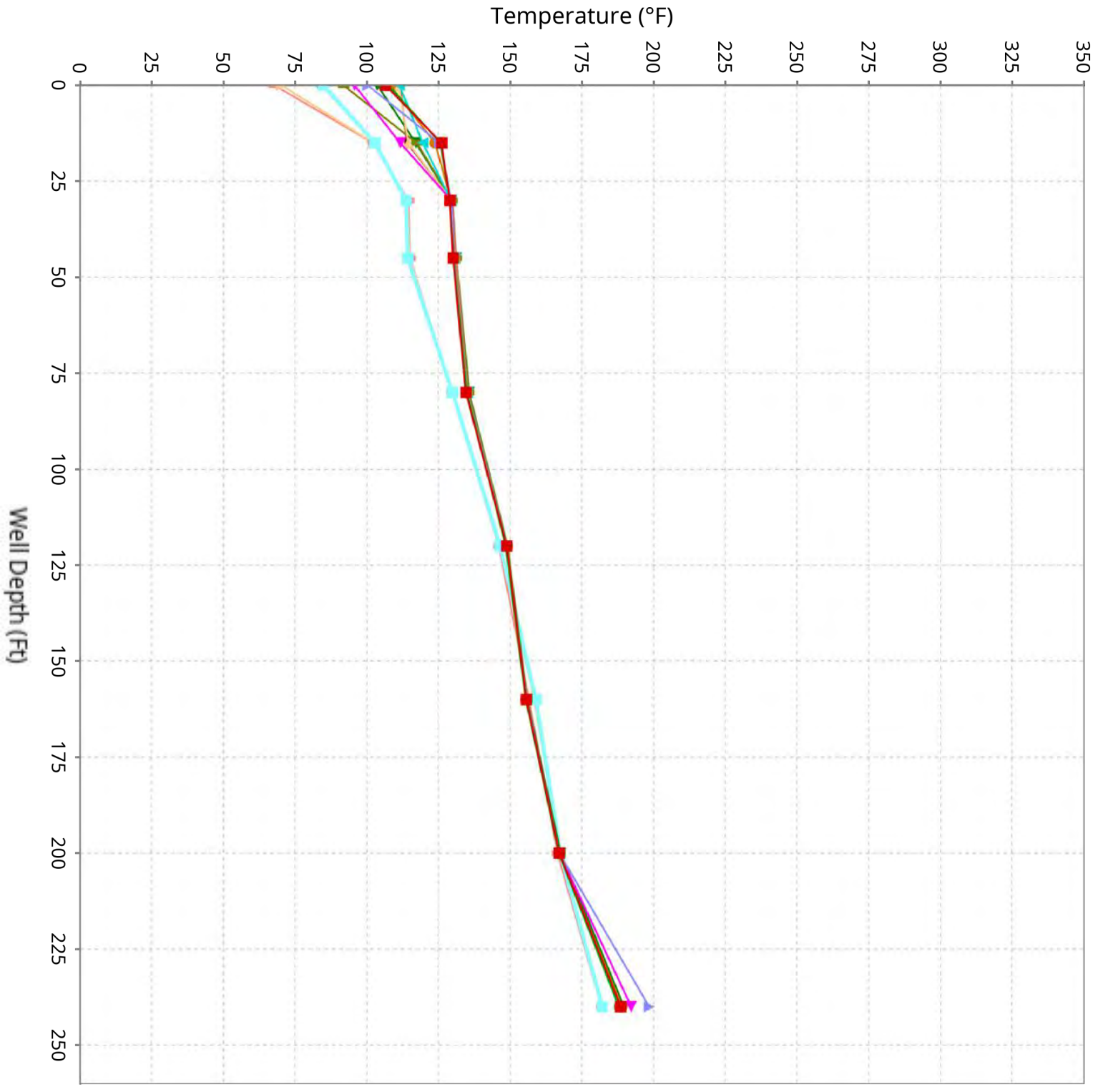
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-29

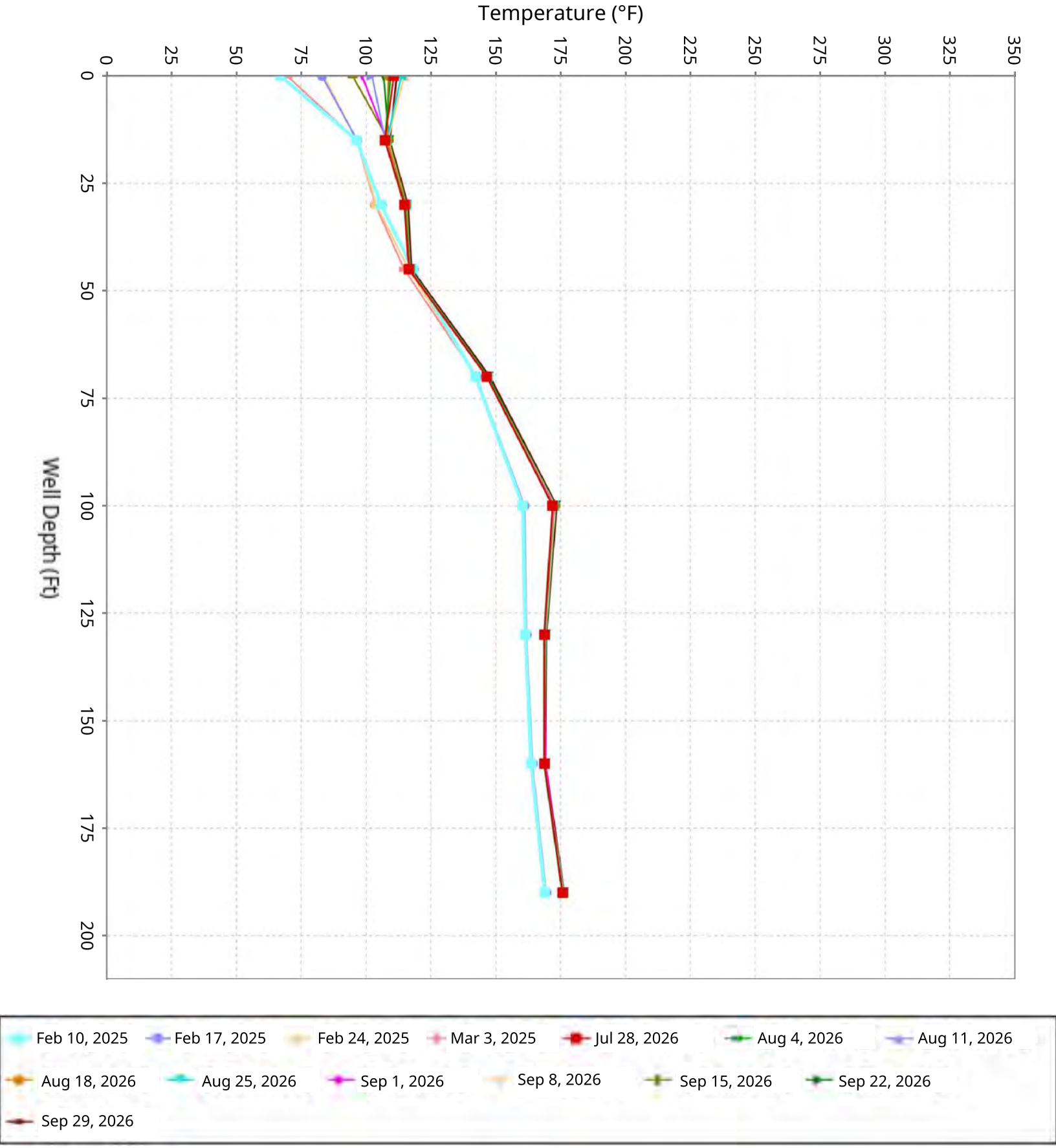
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-30

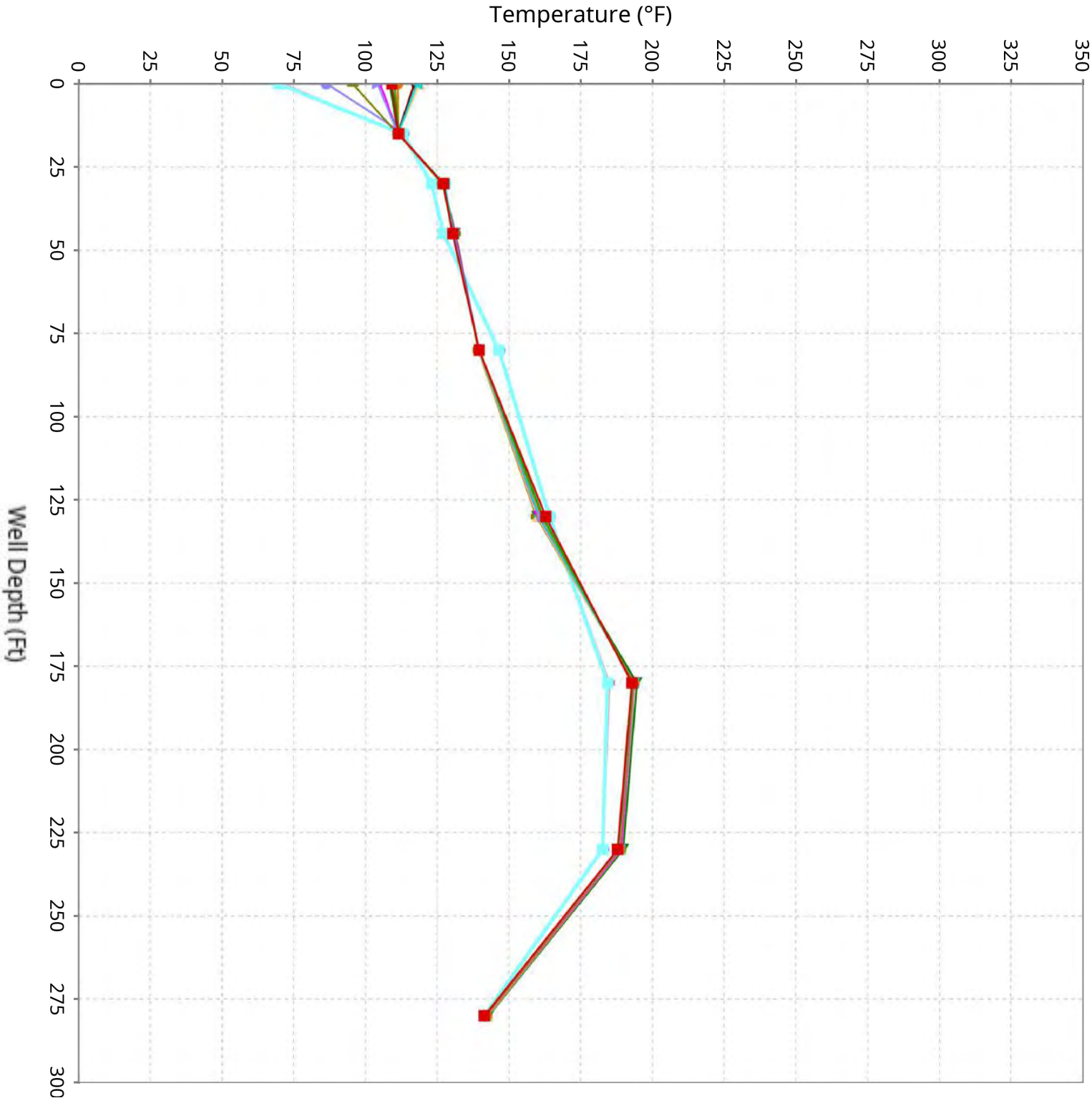
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-31

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

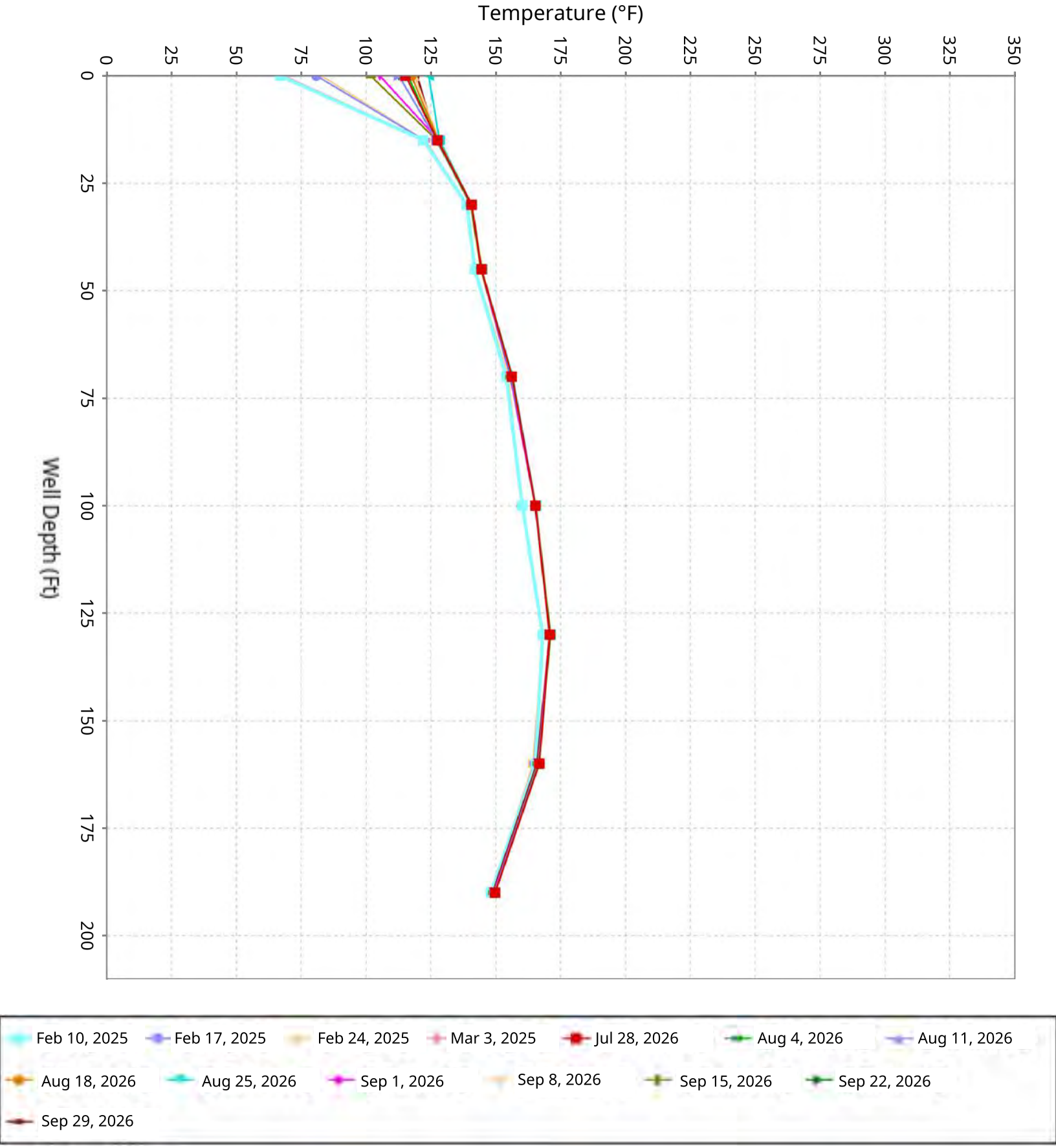


Feb 10, 2025 Feb 17, 2025 Feb 24, 2025 Mar 3, 2025 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-32

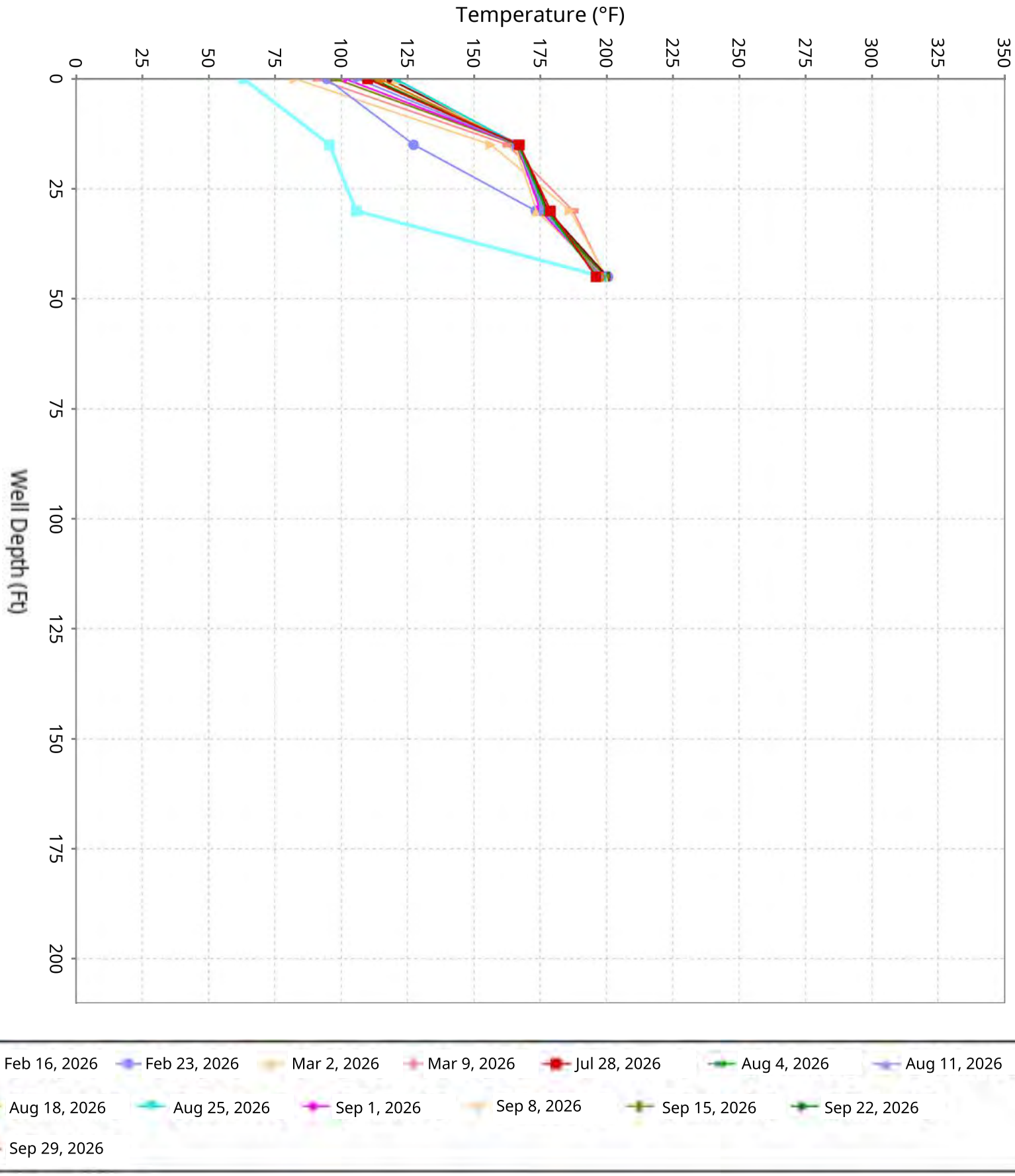
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-33

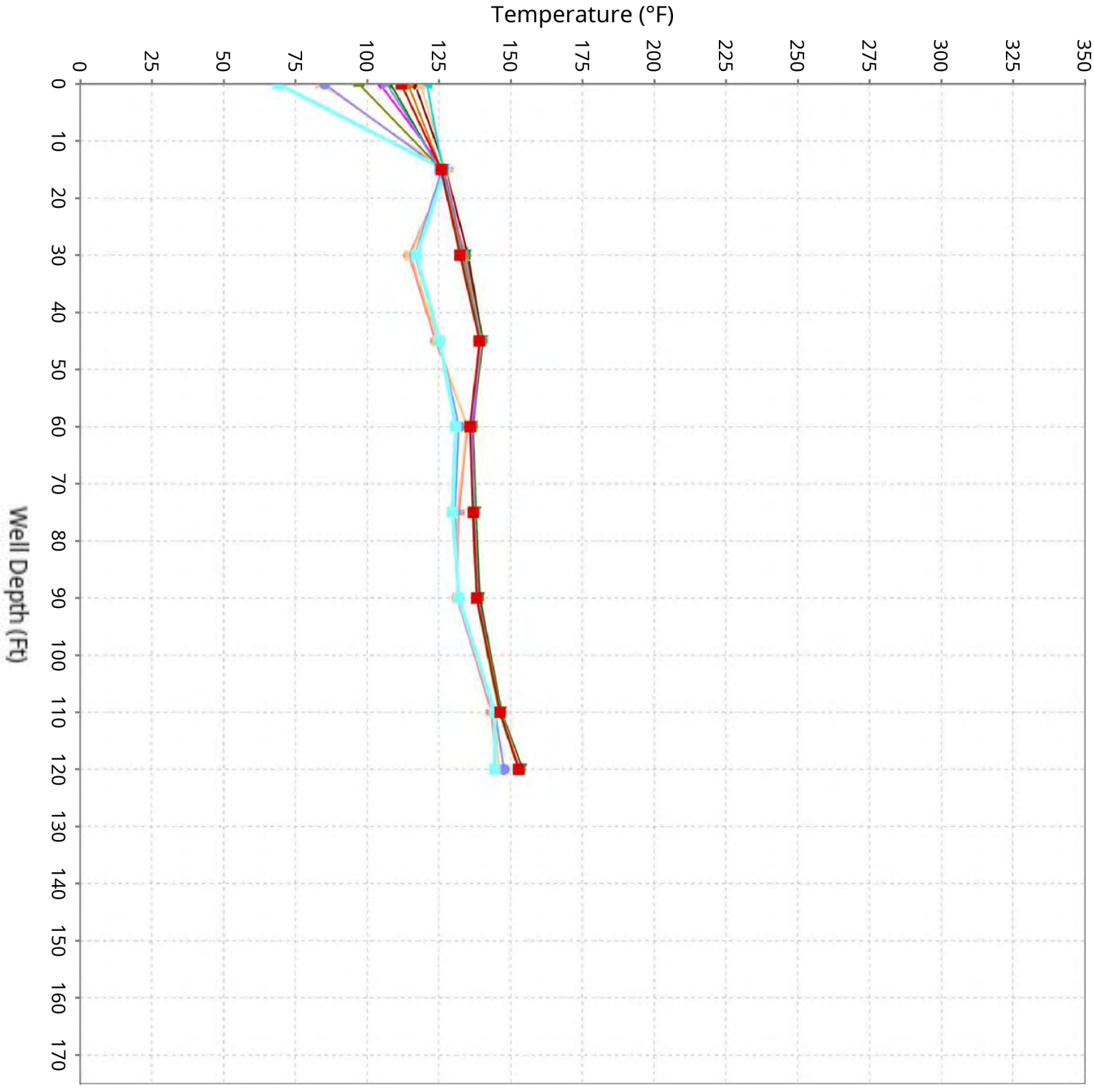
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-34

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks

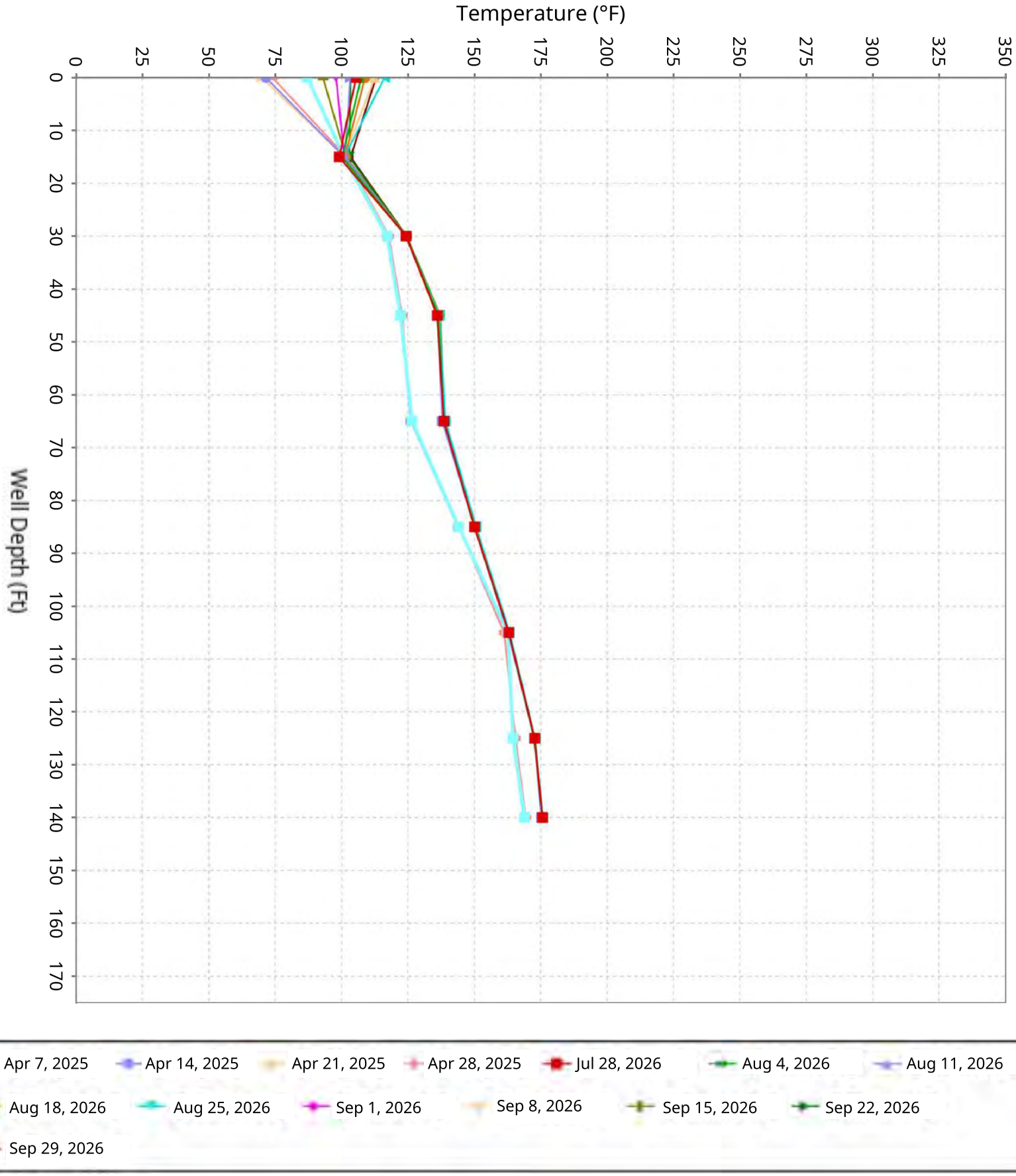


Feb 10, 2025 Feb 17, 2025 Feb 24, 2025 Mar 3, 2025 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-35

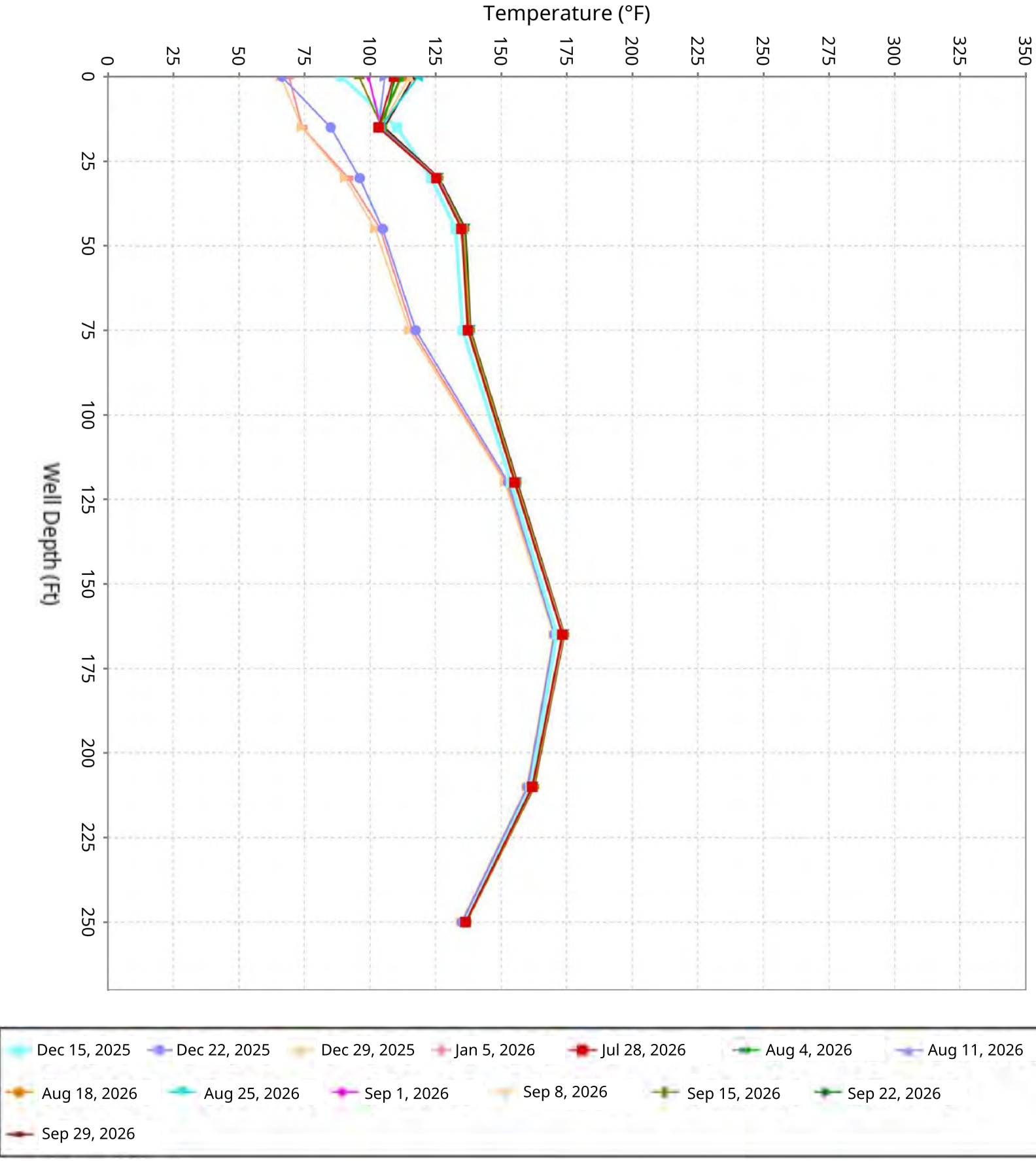
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-36

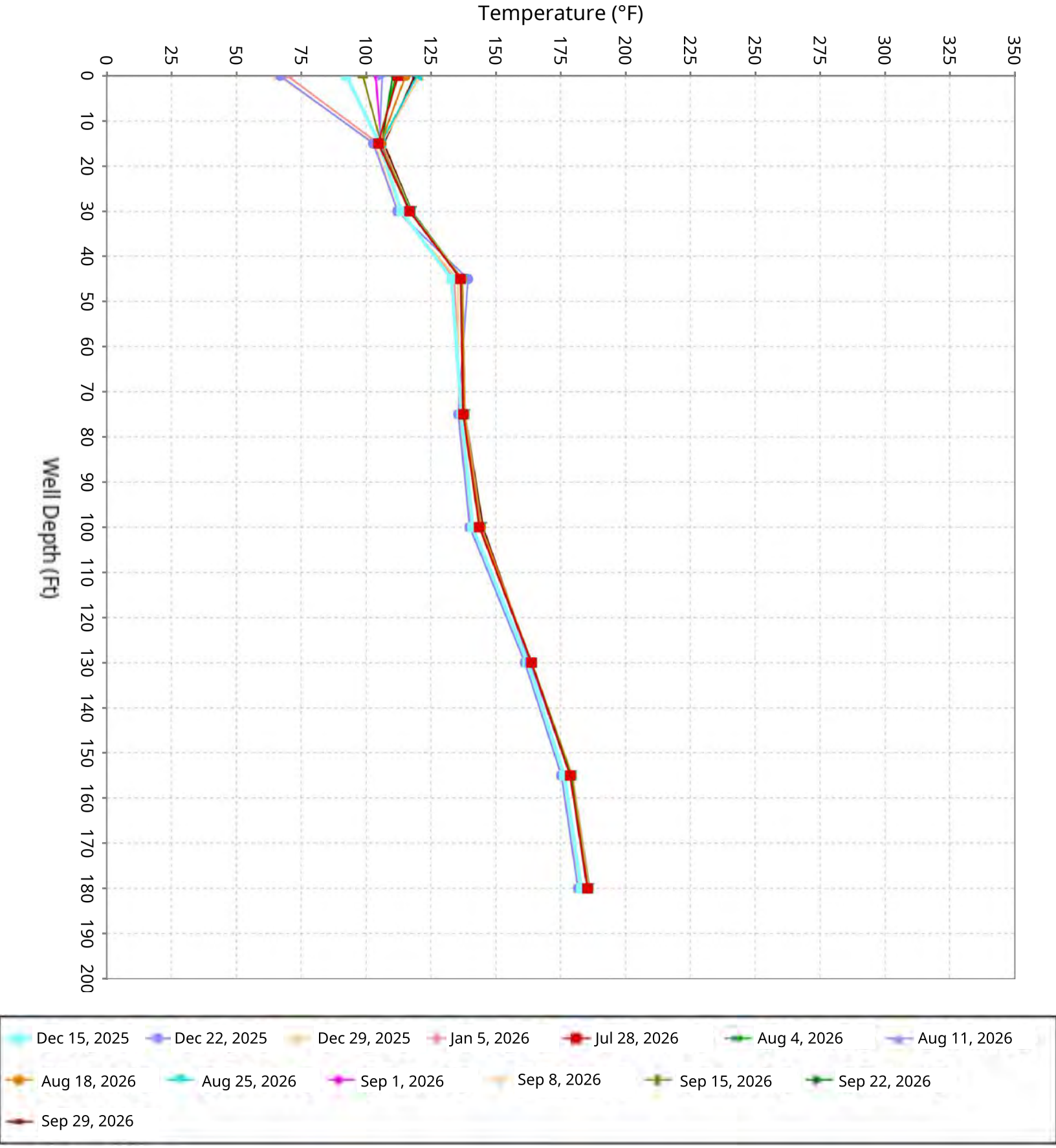
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-37

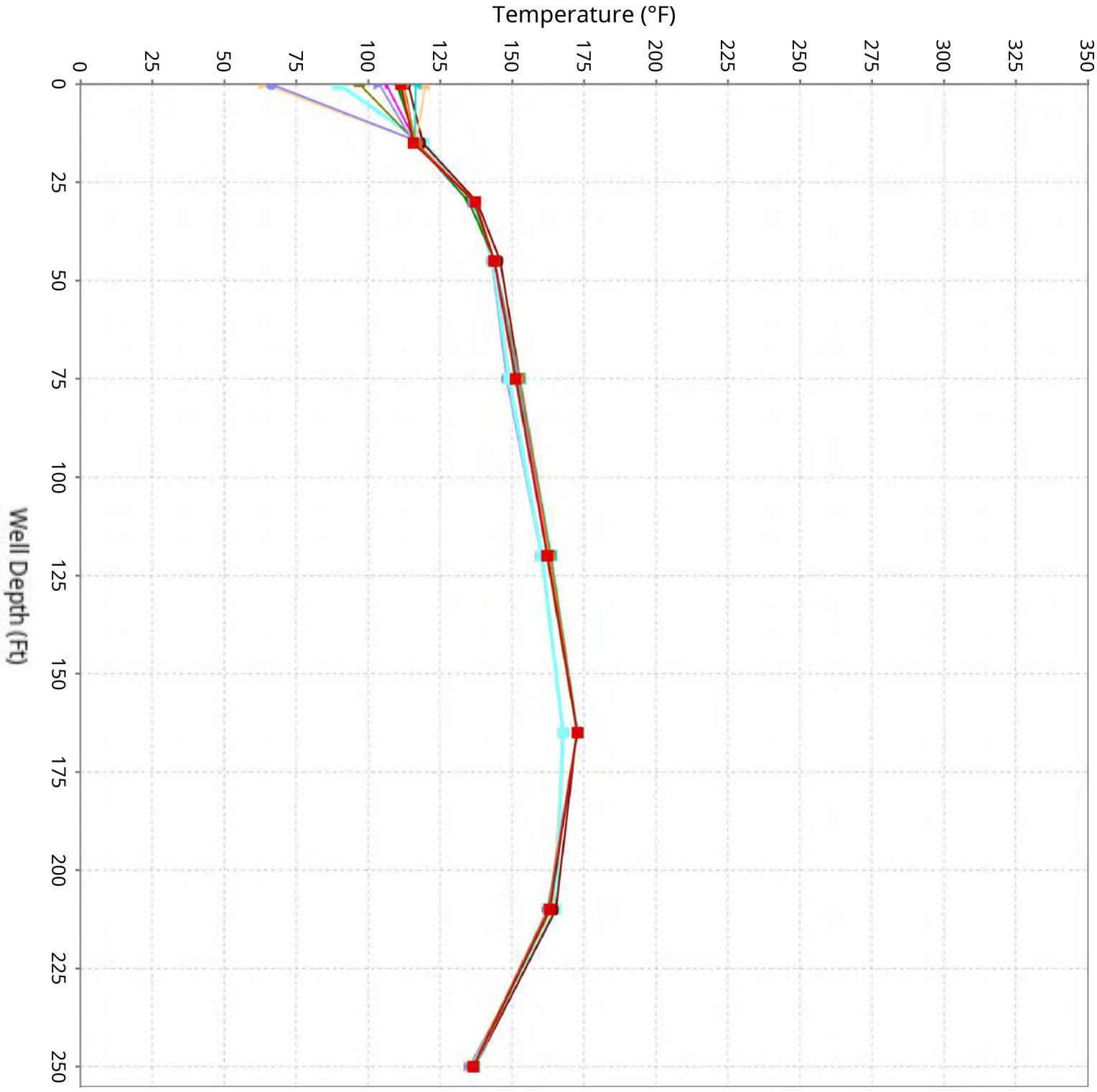
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-38

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



Dec 15, 2025 Dec 22, 2025 Dec 29, 2025 Jan 5, 2026 Jul 28, 2026 Aug 4, 2026 Aug 11, 2026
Aug 18, 2026 Aug 25, 2026 Sep 1, 2026 Sep 8, 2026 Sep 15, 2026 Sep 22, 2026
Sep 29, 2026

SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-39

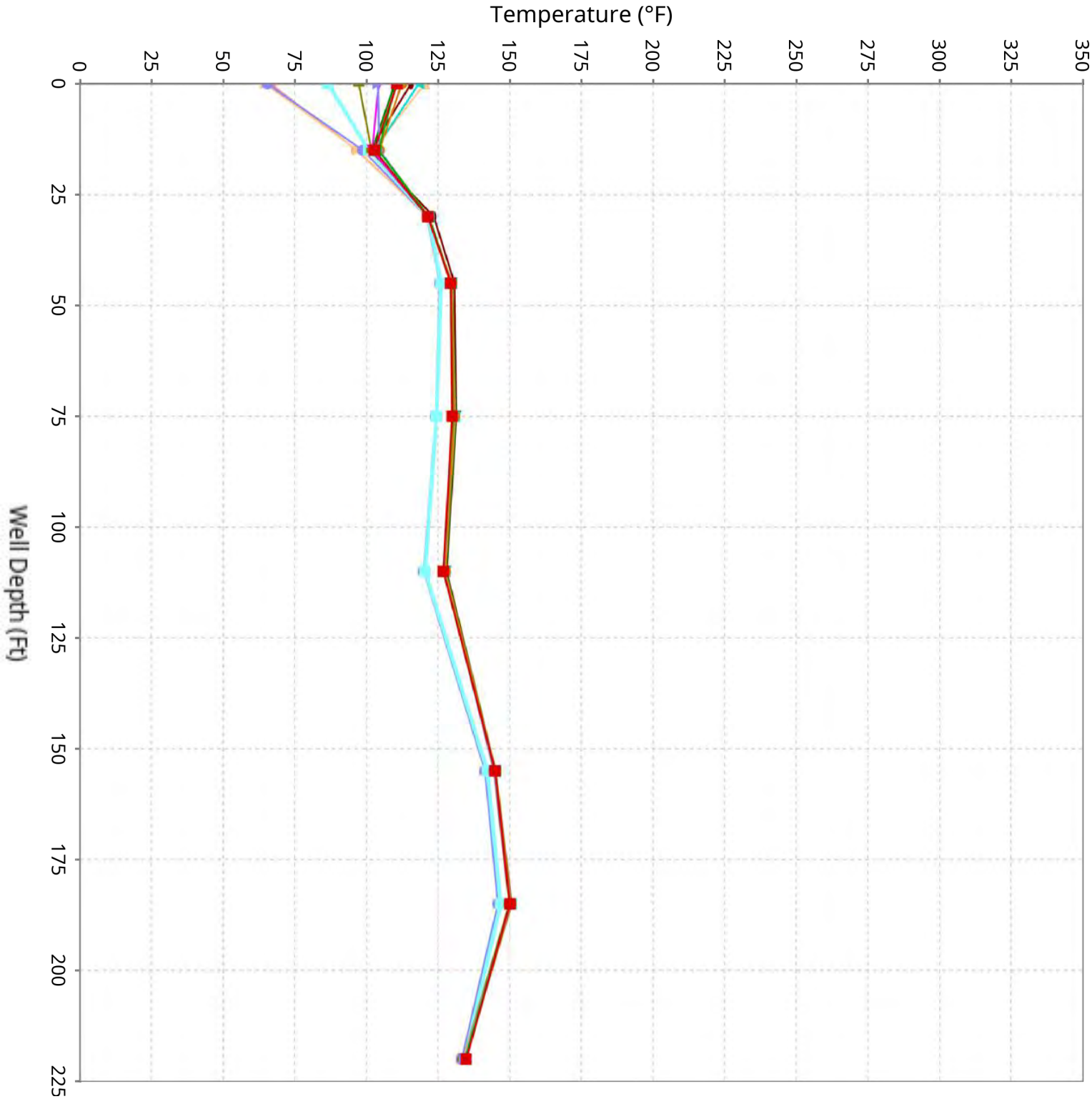
Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



SCS ENGINEERS

Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-40

Maximum weekly data for initial 4-weeks of operation compared to the latest 10-weeks



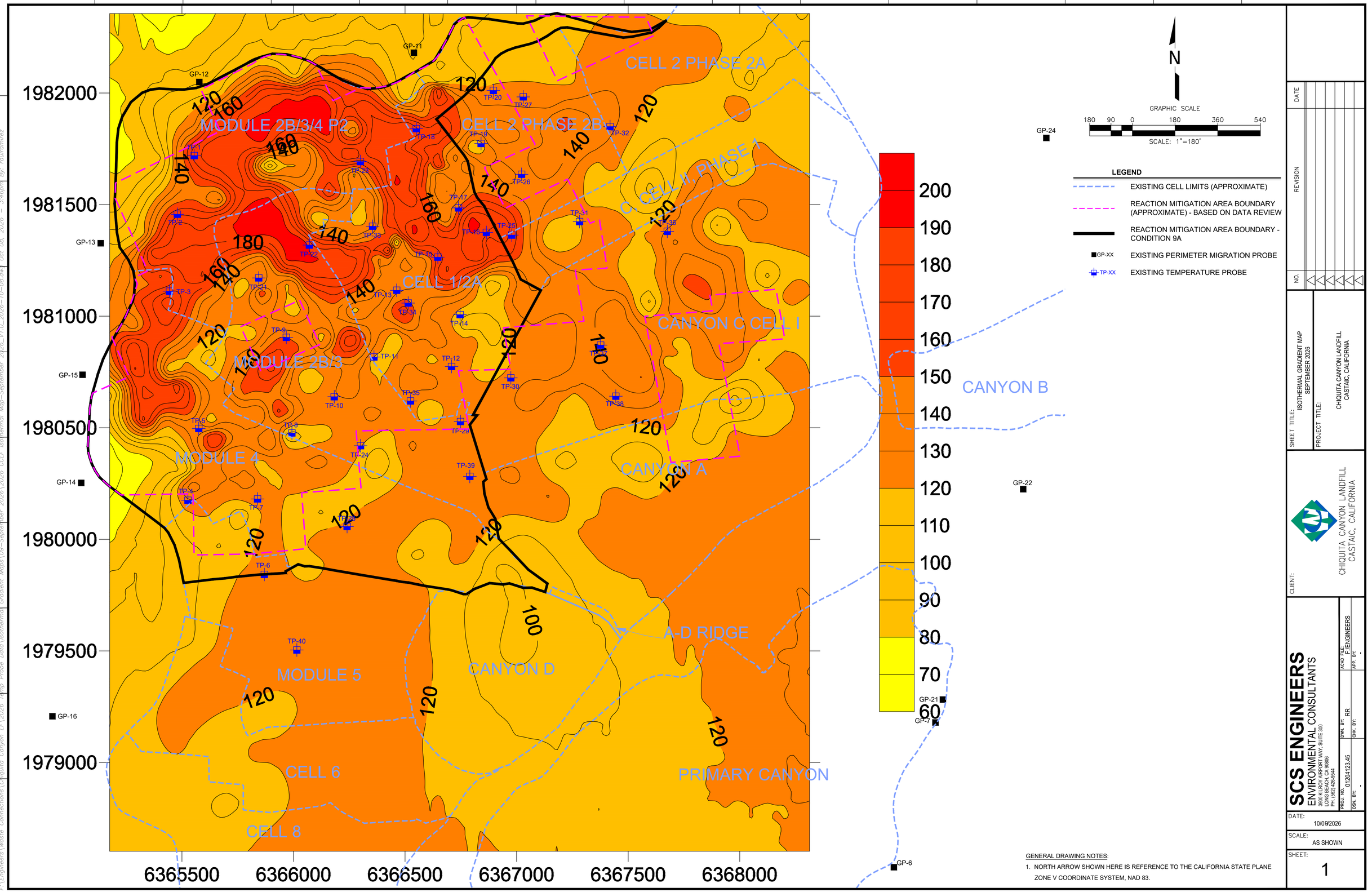
SCS ENGINEERS

C

Attachment

Isothermal Gradient Range Map

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



GENERAL DRAWING NOTES:

1. NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.

DATE

REVISION

NO.

SHEET TITLE: ISOTHERMAL GRADIENT MAP SEPTEMBER 2026

PROJECT TITLE: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

CLIENT: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 300
LONG BEACH, CA 90806
PH. (562) 426-9544

ACAD FILE: -
APP. BY: -
DWN. BY: RR
CHK. BY:
PROJ. NO. 01204123.45
DSN. BY: -

DATE: 10/09/2026

SCALE: AS SHOWN

SHEET: 1

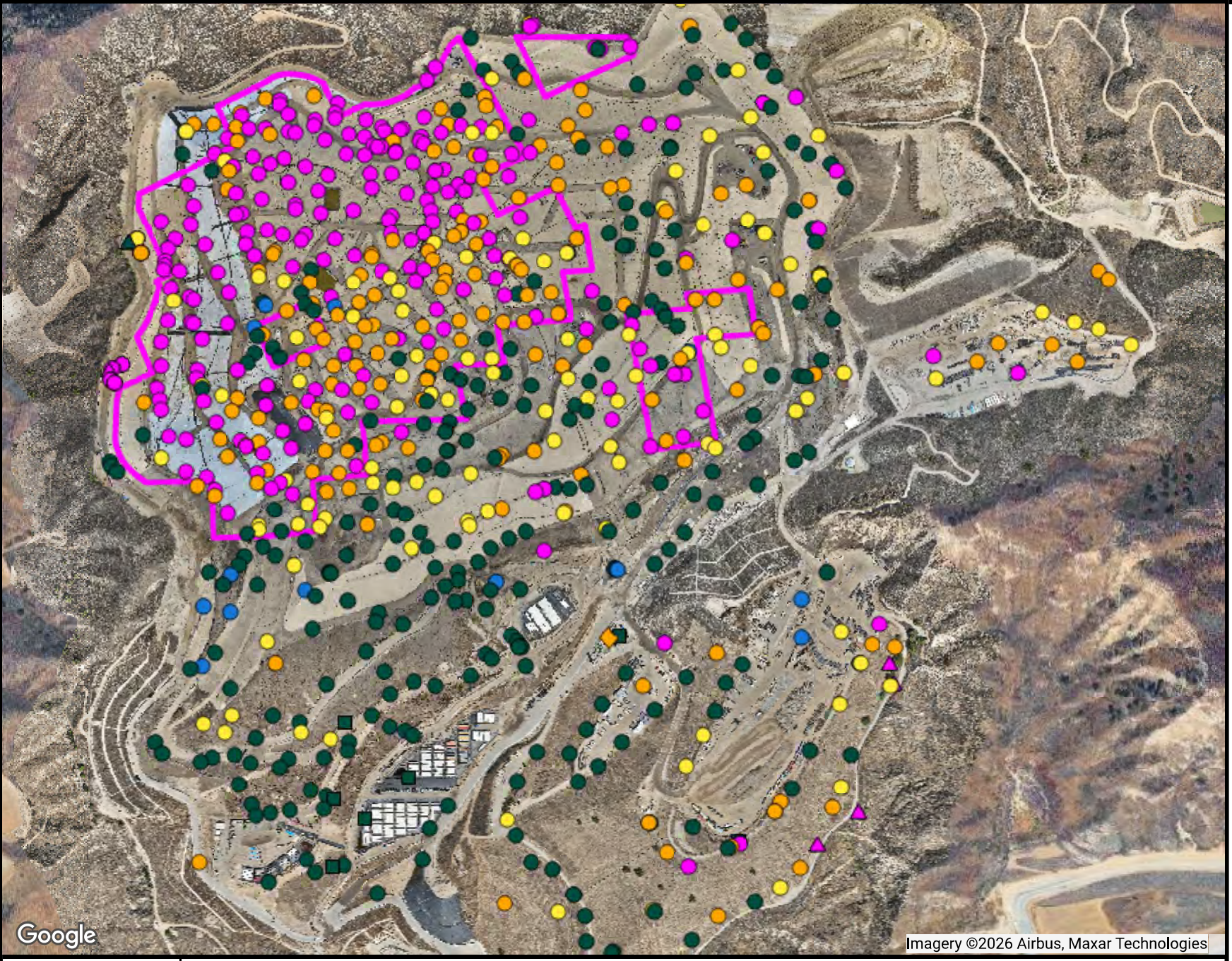
F:\Engineers\Waste Connections\Chiquita Canyon LF\2026 Temp Probe Data\Isothermal Gradient Maps\09-September 2026\2026 CCLF Isothermal Map-September 2026_V1.0_2026-10-08.dwg Oct 08, 2026 - 3:46pm By: raulramirez

D

Attachment

Wellhead Methane-to-Carbon Dioxide Ratio Range Map

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



Ranges Mapped

						# Points
	>=	0	and	<	0.5	289
	>=	0.5	and	<	0.9	181
	>=	0.9	and	<	1.1	114
	>=	1.1	and	<	1.5	275
	>=	1.5	and	<	100	22

Point Type Legend

- calibration record
- flare-engine-ghg
- monitoring probe
- sample port
- well

N

SCSeTools

Chiquita Canyon Landfill

Range Map

Parameter: CH4/CO2 Ratio (mid range)

Analysis Method: Maximum

Date Range: 09/01/2026 - 09/30/2026

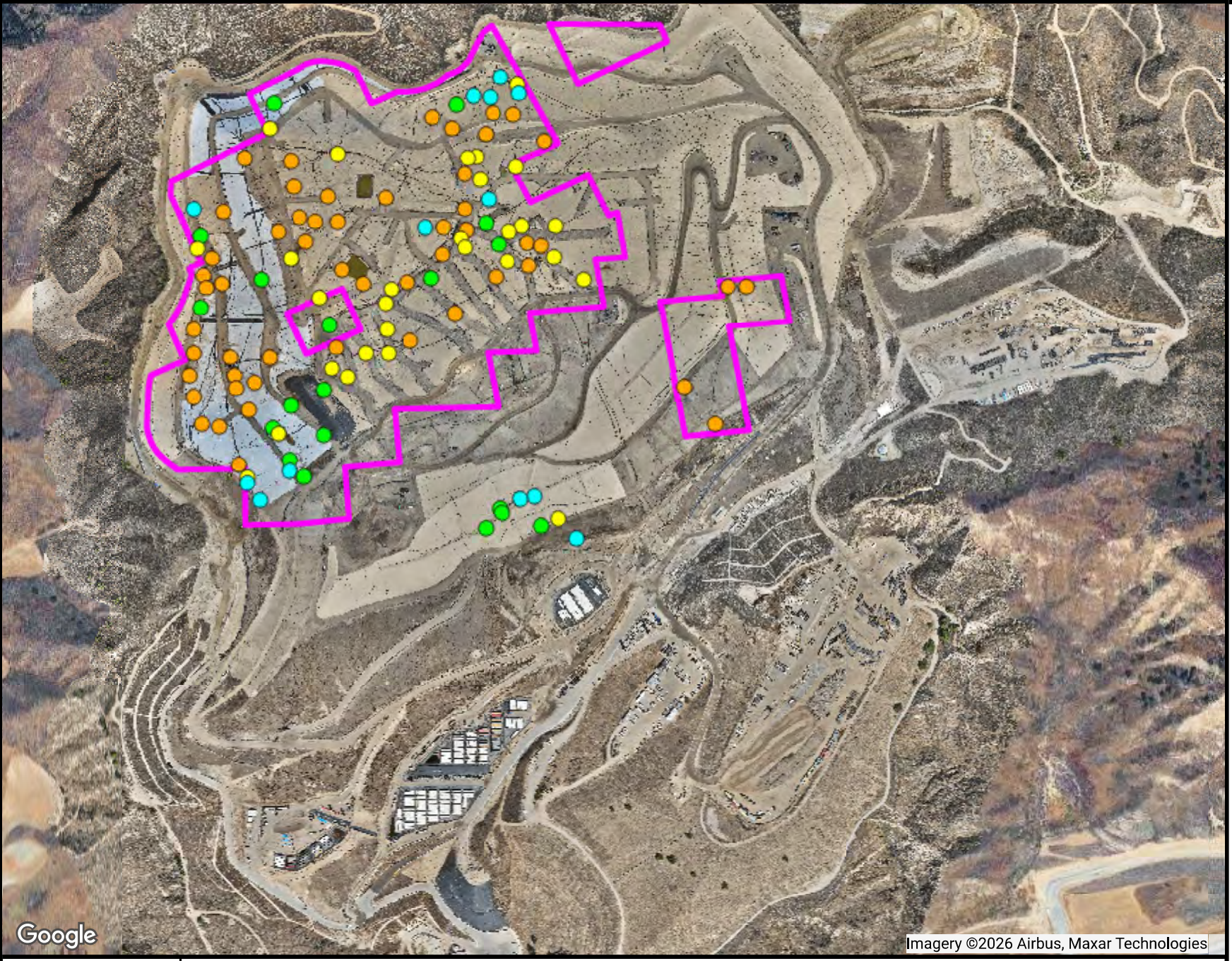
Map generation date : 10/09/2026

E

Attachment

Wellhead Hydrogen Range Map

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



Ranges Mapped

						# Points
	>=	0	and	<	20000	16
	>=	20000	and	<	50000	19
	>=	50000	and	<	100000	28
	>=	100000	and	<	999999	53

Point Type Legend

- calibration record
- flare-engine-ghg
- monitoring probe
- sample port
- well

The range values noted above are in units of parts per million (ppm). Divide by 10,000 to convert these values to units of percent by volume

N

SCSeTools

Chiquita Canyon Landfill

Range Map

Parameter: H2 (mid range)

Analysis Method: Maximum

Date Range: 09/01/2026 - 09/30/2026

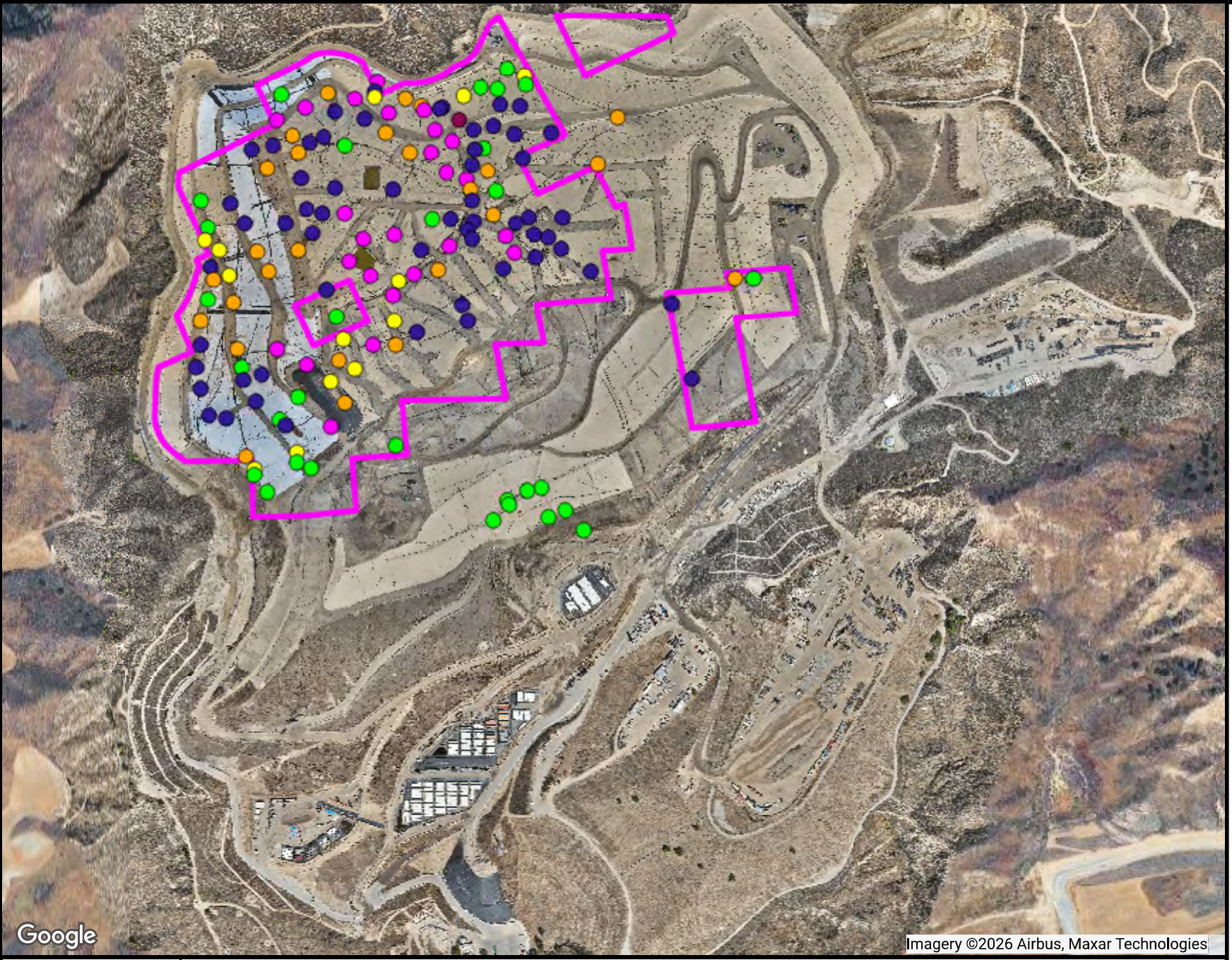
Map generation date : 10/09/2026

F

Attachment

Wellhead Carbon Monoxide Range Map

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



Ranges Mapped

						# Points
	>=	0	and	<	500	30
	>=	500	and	<	1000	14
	>=	1000	and	<	1500	26
	>=	1500	and	<	2000	25
	>=	2000	and	<	5000	58
	>=	5000	and	<	100000	1

Point Type Legend

- calibration record
- flare-engine-ghg
- monitoring probe
- sample port
- well

N

SCSeTools

Chiquita Canyon Landfill

Range Map

Parameter: CO LAB (mid range)

Analysis Method: Maximum

Date Range: 09/01/2026 - 09/30/2026

Map generation date : 10/09/2026

G

Attachment

Settlement Isopach Range Maps

Reaction Mitigation Area Boundary Determination
Chiquita Canyon Landfill
10/09/2026



N

GRAPHIC SCALE

200 100 0 200 400 600

SCALE: 1"=200'

LEGEND

EXISTING CELL LIMITS (APPROXIMATE)

REACTION MITIGATION AREA BOUNDARY (APPOXIMATE, BASED ON DATA ANALYSIS)

August 26 2026 vs September 30 2026

-10	ft
-1.5	ft
1.5	ft
10	ft

GENERAL DRAWING NOTES:

1. EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLER, DATED OCTOBER 7, 2026.
2. NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
3. THE LOCATION OF ANY EXISTING GCCS COMPONENTS AND OTHER FEATURES ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.
4. APPROXIMATED REACTION MITIGATION AREA BOUNDARY ADJUSTMENTS DATED OCTOBER 9, 2026, BASED ON SEPTEMBER 2026 DATA.

NO.	REVISION	DATE

SHEET TITLE: 30 DAY SETTLEMENT MAP

PROJECT TITLE: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

CLIENT: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 300
LONG BEACH, CA 90806
PH: (562) 426-9544

PROJ. NO: 01204123.45 | DWN. BY: RR | ACAD FILE: NO RECORD/ASBUILT-MASTERS
DSN. BY: - | CHK. BY: - | APP. BY: -

DATE: 10/09/2025

SCALE: AS SHOWN

SHEET: 1

D:\My Stuff_SCSer's\R: Huber\Chiquita LF\2026 30 and 60 Day Settlement (Isopach)\01-DWG\CCLF MASTER EXISTING GCCS MAP_2026-10-09_(30 Day Isopach).dwg Oct 09, 2026 - 1:25pm By: raultramirez



N

GRAPHIC SCALE

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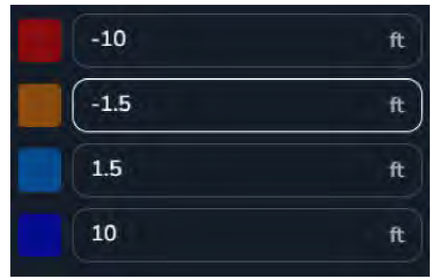
SCALE: 1"=200'

LEGEND

EXISTING CELL LIMITS (APPROXIMATE)

REACTION MITIGATION AREA BOUNDARY (APPOXIMATE, BASED ON DATA ANALYSIS)

July 29 2026 vs September 30 2026



GENERAL DRAWING NOTES:

1. EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLER, DATED OCTOBER 7, 2026.
2. NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
3. THE LOCATION OF ANY EXISTING GCCS COMPONENTS AND OTHER FEATURES ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.
4. APPROXIMATED REACTION MITIGATION AREA BOUNDARY ADJUSTMENTS DATED OCTOBER 9, 2026, BASED ON SEPTEMBER 2026 DATA.

NO.	REVISION	DATE

SHEET TITLE: 60 DAY SETTLEMENT MAP

PROJECT TITLE: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

CLIENT: CHIQUITA CANYON LANDFILL CASTAIC, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 300
LONG BEACH, CA 90806
PH: (562) 426-9544

PROJ. NO: 01204123.45 | DWN. BY: RR | ACAD FILE: NOCAD/ASBUILT-MASTERS
DSN. BY: - | CHK. BY: - | APP. BY: -

DATE: 10/09/2025

SCALE: AS SHOWN

SHEET: 1

D:\My Stuff_SCSer's\R: Huber\Chiquita LF\2026 30 and 60 Day Settlement (Isopach)\01-DWG\CCLF MASTER EXISTING GCCS MAP_2026-10-09_(60 Day Isopach).dwg Oct 09, 2026 - 1:27pm By: raultamirez