

Final Construction Report

2024 – 2025 Temperature Monitoring Probe Installation at the Chiquita Canyon Landfill Castaic, California

Mr. Dylan Smith
Chiquita Canyon, LLC
29201 Henry Mayo Drive
Castaic, CA 91384

SCS ENGINEERS

01204123.41 | February 18, 2026

3900 Kilroy Airport Way, Suite 300
Long Beach, California 90806
562-426-9544

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1 INTRODUCTION

SCS Engineers (SCS) was retained by Chiquita Canyon, LLC to design, construct and install temperature monitoring probes (probes) at the Chiquita Canyon Landfill (CCLF), located in Castaic, California. The installation process involved the placement of a total of twenty (20) temperature monitoring probes.

The following supporting documents are included as attachments to this report:

- Boring and as-built temperature monitoring probe completion logs, prepared jointly by SCS and Tetra Tech, are included in **Appendix A**.
- Solid Waste Borehole Temperature Profiles in **Appendix B**.
- Temperature Monitoring Probe Site Map in **Appendix C**.

2 CONSTRUCTION SUMMARY

The 2024–2025 temperature monitoring probe (probe) project included the construction of twenty (20) new probes, which were drilled between November 15, 2024, and December 11, 2025. A comprehensive Construction Quality Assurance (CQA) program was implemented throughout the drilling and installation activities to verify compliance with the approved design criteria and Local Enforcement Agency (LEA) requirements.

The probe borings were drilled by the subcontractors Cascade Remediation Services, LLC (Cascade) and Boart Longyear using the following drilling equipment:

- A GEFCO 50K truck-mounted mud rotary drilling rig equipped with an 8.6-inch-diameter hollow-stem auger.
- A ProSonic 600T truck-mounted sonic drilling rig utilizing 4-inch- to 6-inch-diameter sonic tooling and high-frequency resonant energy for advancement.
- A Boart Longyear LS 450 truck-mounted sonic drilling rig utilizing 6-inch- to 8-inch-diameter sonic tooling and high-frequency resonant energy for advancement.

All twenty (20) probes were constructed as single-completion installations, with boring depths ranging from approximately 50 feet to 320 feet below ground surface. A summary of the probe boring depths is provided in **Table 1**. The locations of the probes are presented in **Appendix C** for reference.

Table 1. Probe Boring Depth

Well ID	Date Installed	Total Bore Depth (feet)	Total Probe Depth (feet)
TP-21	2/6/2025	110	110
TP-22	11/12/2025	147	30
TP-23	10/22/2025	107	80
TP-24	1/24/2025	320	320
TP-25	12/10/2024	138	138
TP-26	12/17/2024	159	159

Well ID	Date Installed	Total Bore Depth (feet)	Total Probe Depth (feet)
TP-27	12/5/2024	154	154
TP-28	12/23/2024	173	173
TP-29	11/27/2024	245	245
TP-30	11/22/2024	200	200
TP-31	11/15/2024	290	290
TP-32	12/12/2024	196	196
TP-33	12/11/2025	50	48
TP-34	12/3/2024	124	124
TP-35	12/19/2024	142	142
TP-36	6/25/2025	250	250
TP-37	8/25/2025	180	180
TP-38	9/4/2025	250	250
TP-39	9/18/2025	190	190
TP-40	9/24/2025	220	220
	Total	3645	3499

Probe construction consisted of installing solid, 2-inch-diameter stainless steel casing. Eight (8) of the twenty (20) probes were installed with the solid casing set within clean soil and isolated from the ground surface by a 1-foot-thick upper bentonite plug. Of the remaining probes, seven (7) were constructed with a 2-foot-thick upper bentonite plug; one (1) probe included a 5-foot-thick upper bentonite plug; one (1) probe included a 15-foot-thick upper bentonite plug; and two (2) probes were constructed with both 2-foot-thick upper and lower bentonite plugs. Probe TP-22 was constructed as an exception to the standard configuration and included the placement of approximately 65 feet of bentonite grout due to elevated subsurface pressures encountered during drilling and to provide additional borehole stabilization.

The thickness and configuration of bentonite plugs were selected based on field conditions, including elevated subsurface temperatures and pressure events. Detailed borehole backfill configurations and casing lengths are provided in the probe drilling logs included in **Appendix A**.

Upon completion of each probe, the stainless-steel casings were capped with a 2-inch flanged sensor assembly to prevent emission of LFG prior to the thermocouple system installation.

SCS field CQA personnel were present during the drilling and construction of probes TP-22, TP-23, and TP-33 and maintained detailed daily activity logs. Construction oversight for the remaining seventeen (17) probes was provided by Tetra Tech personnel. All probe construction activities were documented on drilling logs included in **Appendix A**. Contractor activities were inspected daily to verify compliance with project specifications. Drilling and construction activities were conducted in accordance with the South Coast Air Quality Management District (SCAQMD) Permit to Operate (PTO).

A link to download refuse photographs collected during drilling operations between November 15, 2024, and December 11, 2025, is provided below. Please note that access to the link requires permission. Upon attempting to access the link, a notification will be sent to the file owner and access will be granted accordingly.

If access is not granted in a timely manner, please contact the undersigned individuals listed below for assistance.

[2024 - 2025 TMP \(TP-21 - TP-40\) Photos](#)

3 MODIFICATIONS OF THE WELL BORING DEPTHS

In accordance with the May 1, 2025 Compliance Order (Mitigation Measure 4.4), SCS established target boring depths prior to construction to meet the required TMP installation intervals (15, 30, 45, and 75 feet bgs, and calculated depths beyond 75 feet where applicable).

During drilling, field conditions including free liquids, elevated gas pressures, and borehole instability prevented several borings from reaching the planned total depths. For safety and constructability reasons, borings were advanced to the maximum safe and practicable depth at the time of installation. As a result, reductions to the total bore depths were necessary during construction. Thermocouple intervals were then set in accordance with the above referenced intervals as possible based upon depths achieved during drilling. Note that only one thermocouple was installed at TP-22 because the borehole collapsed to 30' preventing casing installation beyond 30' and only allowing a single thermocouple to be installed at 15' deep in accordance with Mitigation Measure 4.4.

4 TEMPERATURE PROBE DATA

All temperature probes are fully operational and actively providing temperature data. Example temperature data logs, which will be submitted to the LEA on a weekly basis, are provided in **Appendix B**.

STATEMENT OF COMPLIANCE

A Construction Quality Assurance (CQA) program was implemented by SCS and Tetra Tech personnel during the 2024-2025 installation of new temperature monitoring probes at Chiquita Canyon Landfill. The program verifies that all work was completed in accordance with the design intent shown on the project drawings.

If you have any questions regarding information contained in this submittal, please contact the undersigned at either 626-609-9188 or 303-519-4503.

Sincerely,



Jenny Kim, P.E.
Project Manager
SCS ENGINEERS

A handwritten signature in black ink that reads "Bill Haley".

Bill Haley, P.E.
Project Director
SCS ENGINEERS

Appendix A

Boring and As-Built Temperature Monitoring Probe Completion Logs

DRILLING LOG

Record Prepared By: Tom Gordon
 Site: Chiquita Canyon Landfill
 Date: 10/28/2025 & 10/30/2025 - 10/31/2025
 Northing: 1981376.636
 Easting: 6366017.682
 Surface Elevation: 1352
 Liner Elevation: 1071
 Temperature Probe Pipe Size: (In.) 2
 Temperature Probe Material: Stainless Steel
 Solid Pipe: (Ft.) 30 (reference from top of ground surface)
 Boring depth: (Ft.) 147

Temperature Probe ID: TP-22
 Driller Name: Boart Longyear
 Bench (Y/N) N
 Weather: -
 Start Drill Time: 9:50:00 AM (10/28) / 9:00:00 AM (10/30) / 7:30:00 AM (10/31)
 End Drill Time: 4:30:00 PM (10/28) / 4:30:00 PM (10/30) / 11:00:00 AM (10/31)
 Seal Type: Bentonite Plug
 Latitude: 34.4351601
 Longitude: -118.6488676

Starting Depth	Ending Depth	Composition	Temp (F)	Degree of Decomposition	Amount of Moisture	Comments
0	10	soil	99.5	moderate	moist	
10	20	soil, metal, rocks, plastic, paper	124.5	moderate	moist	
20	30	metal, plastic, paper	124.5	moderate	moist	
30	40	metal, plastic, paper	178.5	moderate	moist	
40	50	-	-	-	-	No recovery
50	60	metal, plastic, paper	180.5	moderate	moist	
60	70	metal, plastic, paper	164.5	moderate	moist	
70	80	-	-	-	-	No recovery
80	90	-	-	-	-	No recovery
90	100	-	-	-	-	No recovery
100	110	-	-	-	-	No recovery
110	120	metal, plastic, paper	180.0	well	moist	
120	130	metal, plastic, paper	185.0	well	moist	
130	147	metal, plastic, paper	183.5	well	moist	

Comments:
 Drilling was halted at 147' due to high pressure within the borehole, which prevented removal of the drilling rods. A grout mixture was placed to stabilize the borehole. The drilling crew returned on 11/12, and the borehole was deemed stable and safe for installation of the temperature probe casing. Due to the high pressure, the drilling rods could only advance to 65', and the temperature probe casing could not be installed beyond 30'. Therefore, the temperature probe casing was installed at 30'.

ETOOLS ID

-

Alias

TP-22

Site Name:

CHIQUITA CANYON LANDFILL

Date Installed:

11/12/2025

City:

CASTAIC

State:

CA

Installation Contractor:

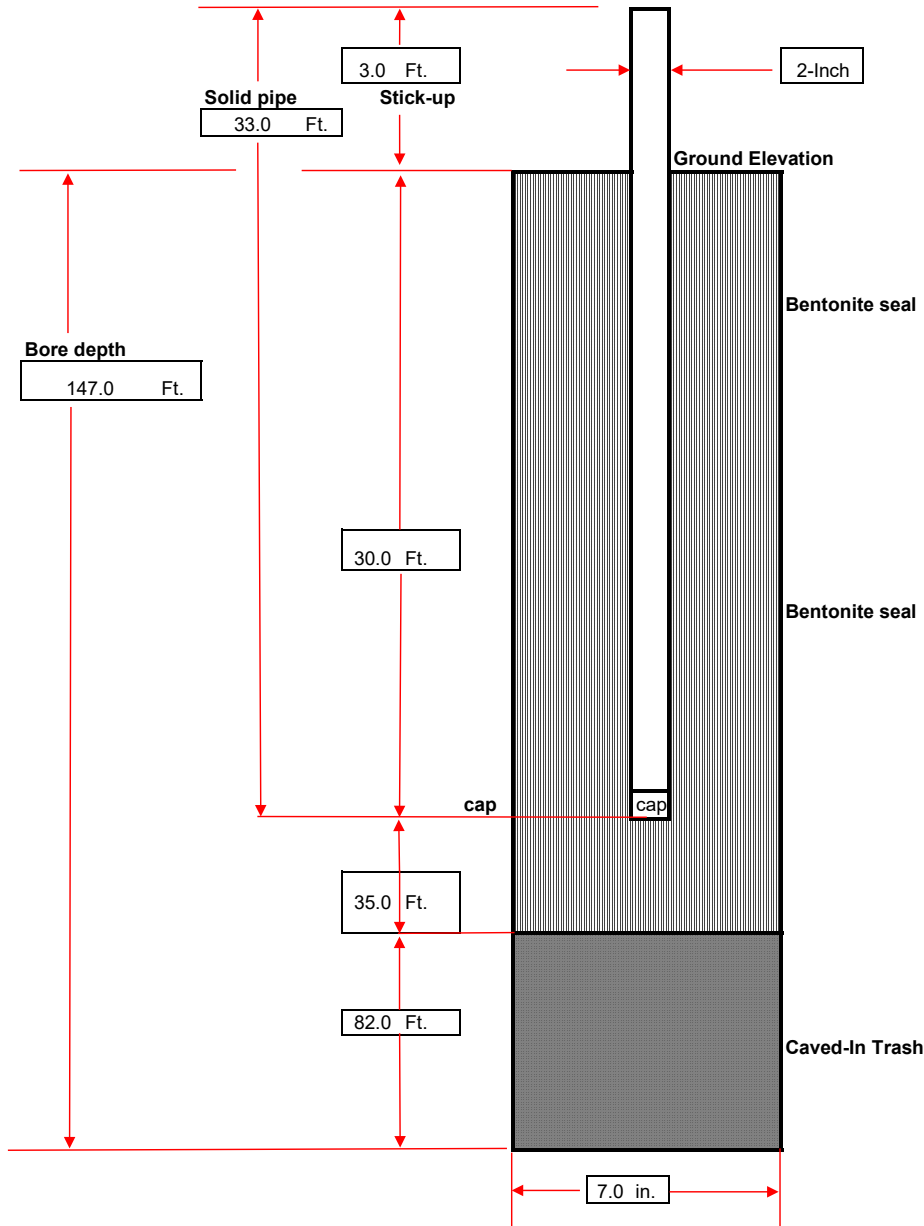
Boart Longyear

General Comments:

Coordinates :
 Northing: 1981376.636
 Easting: 6366017.682
 Ground Elevation (MSL): 1352
 Notes: Drilling was halted at 147' due to high pressure within the borehole, which prevented removal of the drilling rods. A grout mixture was placed to stabilize the borehole. The drilling crew returned on 11/12, and the borehole was deemed stable and safe for installation of the temperature probe casing. Due to the high pressure, the drilling rods could only advance to 65', and the temperature probe casing could not be installed beyond 30'. Therefore, the temperature probe casing was installed at 30'.

Pipe Material:

Stainless Steel



DRILLING LOG

Record Prepared By: Eli Ortenberg
 Site: Chiquita Canyon Landfill
 Date: 10/17/2025 & 10/20/2025
 Northing: 1981728.756
 Easting: 6366232.457
 Surface Elevation: 1367
 Liner Elevation: 1203
 Temperature Probe Pipe Size: (In.) 2
 Temperature Probe Material: Stainless Steel
 Solid Pipe: (Ft.) 80 (reference from top of ground surface)
 Boring depth: (Ft.) 107

Temperature Probe ID: TP-23
 Driller Name: Boart Longyear
 Bench (Y/N) N
 Weather: -
 Start Drill Time: 11:00:00 AM (10/17) / 7:30:00 AM (10/20)
 End Drill Time: 4:30:00 PM (10/17) / 5:30:00 PM (10/20)
 Well Seal Type: Bentonite Plug
 Latitude: 34.4361314
 Longitude: -118.6481628

Starting Depth	Ending Depth	Composition	Temp (F)	Degree of Decomposition	Amount of Moisture	Comments
0	7	soil	115.0	none to little	dry	
7	17	black soil, metal	142.0	none to little	dry	
17	27	plastic, paper, glass	122.0	moderate	dry	
27	37	plastic, paper	152.0	moderate	dry	
37	47	plastic, cardboard, paper	125.0	moderate	dry	
47	57	soil, metal, plastic	158.0	moderate	moist	
57	67	metal, plastic, soil, wood	130.0	moderate	moist	
67	77	soil, wood, paper, plastic, glass	176.0	well	moist	
77	87	soil, plastic, wood	192.0	well	moist	
87	97	-	-	-	-	No recovery
97	107	-	-	-	-	No recovery

Comments:
 During preparation for temperature probe casing installation, the borehole experienced a collapse from 107' to 86'. Elevated borehole pressure prevented re-drilling to the original depth of 107'. Due to the availability of temperature probe casing in 20-foot sections, the probe was ultimately installed at a depth of 80'.

ETOOLS ID

-

Alias

TP-23

Site Name:

CHIQUITA CANYON LANDFILL

Date Installed:

10/22/2025

City:

CASTAIC

State:

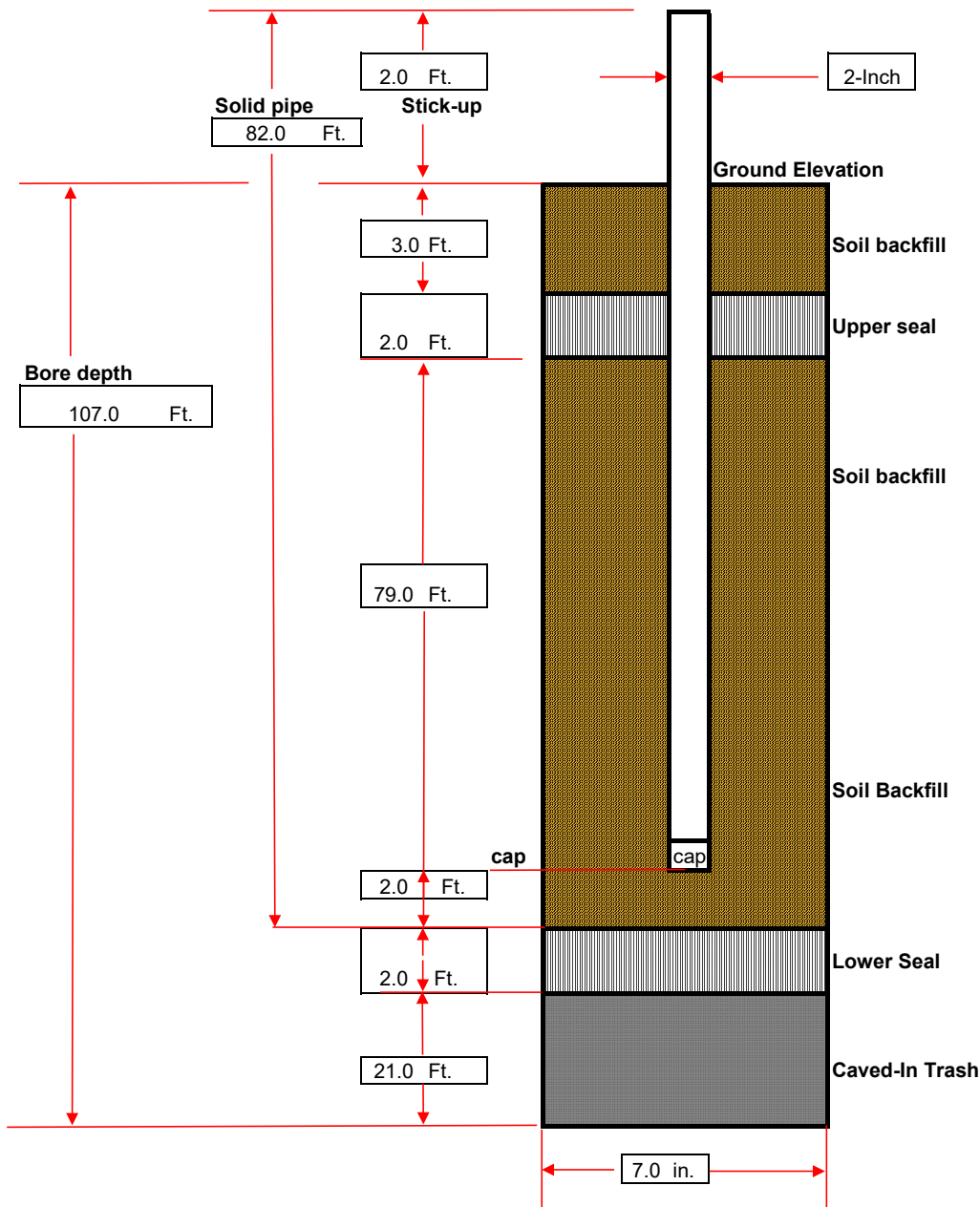
CA

Installation Contractor:

Boart Longyear

General Comments:

Coordinates :
 Northing: 1981728.756
 Easting: 6366232.457
 Ground Elevation (MSL): 1367
 Notes: During preparation for temperature probe casing installation, the borehole experienced a collapse from 107' to 86'. Elevated borehole pressure prevented re-drilling to the original depth of 107'. Due to the availability of temperature probe casing in 20-foot sections, the probe was ultimately installed at a depth of 80'.



Tetra Tech, BAS Inc.				TEMPERATURE PROBE ID:	TP-24		
SITE NAME:	CHIQUITA CANYON LANDFILL			COORDINATES:	N: 1,980,531, E: 6,366,233		
START DATE:	1/15/2025			SURFACE ELEVATION:	1,391		
COMPLETION DATE:	1/24/2025			TOP OF CASING ELEVATION:	1,396		
CQA MONITOR:	Ana Levosada			WELL CASING MATERIAL:	2-INCH STAINLESS STEEL		
CONTRACTOR:	Cascade Remediation Services, LLC			END CAP MATERIAL:	2-INCH STAINLESS STEEL		
DRILLER:	Cascade Remediation Services, LLC			TARGET DEPTH:	325 FT		
DRILL RIG:	GEFCO 50K			COMPLETION DEPTH:	320 FT		
EXISTING LITHOGRAPHY				COMPLETION LOG		FT.	FT. BGS TO FT. BGS
FT. BGS TO FT. BGS	DESCRIPTION (TYPE, DECOMPOSITION, MOISTURE)			PIPE:			
0 TO 10	PLASTIC/SOIL, MILD, DRY			RISER STICK UP		5	
10 TO 20	PLASTIC/SOIL, MILD, DRY			SOLID PIPE		320	0 TO 320
20 TO 30	PLASTIC/PAPER, MILD, WET			GROUND SURFACE			
30 TO 40	PLASTIC/PAPER/WOOD, MILD, WET			BENTONITE SEAL			
40 TO 50	PLASTIC/WOOD, MILD, MOIST			BACKFILL:			
50 TO 60	PLASTIC/PAPER/WOOD, MILD, MOIST			UPPER BENTONITE SEAL		5	0 TO 5
60 TO 70	PLASTIC/WOOD, MODERATE, WET			LOWER SOIL PLUG		315	5 TO 320
70 TO 80	PLASTIC/PAPER/WOOD, MILD, MOIST						
80 TO 90	PLASTIC/PAPER/WOOD, MODERATE, MOIST			BORING DIAMETER:			
90 TO 100	PLASTIC/WOOD, MODERATE, WET			8.5 INCHES		320	0 TO 320
100 TO 110	PLASTIC/WOOD, MODERATE, WET						
110 TO 120	PLASTIC/WOOD, MODERATE, MOIST						
120 TO 130	PLASTIC, SEVERE, WET						
130 TO 140	PLASTIC, MODERATE, MOIST						
140 TO 150	PLASTIC, MODERATE, MOIST						
150 TO 160	PLASTIC, SEVERE, WET						
160 TO 170	PLASTIC, MODERATE, WET						
170 TO 180	PLASTIC/WOOD, SEVERE, WET						
180 TO 190	PLASTIC, SEVERE, WET						
190 TO 200	PLASTIC, SEVERE, MOIST						
200 TO 210	PLASTIC, SEVERE, WET						
210 TO 220	PLASTIC, SEVERE, MOIST						
220 TO 230	PLASTIC, MODERATE, MOIST						
230 TO 240	PLASTIC, MODERATE, MOIST						
240 TO 250	PLASTIC, MODERATE, MOIST						
250 TO 260	PLASTIC, MODERATE, MOIST						
260 TO 270	PLASTIC, MODERATE, MOIST						
270 TO 280	PLASTIC, SEVERE, MOIST						
280 TO 290	PLASTIC, SEVERE, WET						
290 TO 300	PLASTIC, SEVERE, WET						
DEPTH (FT. BGS)	TEMPERATURE (°F)						
0 TO 10	84						
10 TO 20	94						
20 TO 30	84M, 80W						
30 TO 40	90M, 84W						
40 TO 50	84M, 84W						
50 TO 60	84M, 82W						
60 TO 70	80M, 76W						
70 TO 80	78M, 76W						
80 TO 90	82M, 76W						
90 TO 100	82M, 78W						
100 TO 110	84M, 82W						
110 TO 120	86M, 82W						
120 TO 130	88M, 88W						
130 TO 140	76M, 68W						
140 TO 150	80M, 78W						
150 TO 160	82M, 80W						
160 TO 170	82M, 78W						
170 TO 180	84M, 82W						
180 TO 190	86M, 82W						
190 TO 200	88M, 82W						
200 TO 210	88M, 84W						
210 TO 220	88M, 82W						
220 TO 230	88M, 82W						
230 TO 240	76M						
240 TO 250	80M, 70W						
250 TO 260	82M, 78W						
260 TO 270	86M, 76W						
270 TO 280	84M, 78W						
280 TO 290	86M, 82W						
290 TO 300	88M, 80W						

RISER PIPE

5'X5' REBAR SAFETY GRATE

SOLID PIPE

LOWER SOIL PLUG

Tetra Tech, BAS Inc.				TEMPERATURE PROBE ID:	TP-29		
SITE NAME:	CHIQUITA CANYON LANDFILL			COORDINATES:	N: 1,980,633, E: 6,366,655		
START DATE:	11/25/2024			SURFACE ELEVATION:	1,399		
COMPLETION DATE:	11/27/2024			TOP OF CASING ELEVATION:	1,402		
CQA MONITOR:	Ana Levosada			WELL CASING MATERIAL:	2-INCH STAINLESS STEEL		
CONTRACTOR:	Cascade Remediation Services, LLC			END CAP MATERIAL:	2-INCH STAINLESS STEEL		
DRILLER:	Cascade Remediation Services, LLC			TARGET DEPTH:	325 FT		
DRILL RIG:	ProSonic 600T			COMPLETION DEPTH:	245 FT		
EXISTING LITHOGRAPHY				COMPLETION LOG		FT.	FT. BGS TO FT. BGS
FT. BGS TO FT. BGS	DESCRIPTION (TYPE, DECOMPOSITION, MOISTURE)			PIPE:			
0 TO 10	NOT MONITORED			RISER STICK UP		3	
10 TO 20	PAPER/PLASTIC, SOME, DRY			SOLID PIPE		245	0 TO 245
20 TO 30	NOT MONITORED			GROUND SURFACE			
30 TO 40	PAPER/PLASTIC/TEXTILE, MODERATE, DRY			UPPER SOIL PLUG			
40 TO 50	PAPER/PLASTIC, MODERATE, MOIST			BENTONITE SEAL			
50 TO 60	PAPER/PLASTIC, MODERATE, MOIST			BACKFILL:			
60 TO 70	WOOD/PLASTIC, MODERATE, MOIST			UPPER SOIL PLUG		3	0 TO 3
70 TO 80	ROCKS, MODERATE, DRY			BENTONITE SEAL		2	3 TO 5
80 TO 90	PAPER/WOOD/PLASTIC, MODERATE, DRY			LOWER SOIL PLUG		240	5 TO 245
90 TO 100	NOT MONITORED						
100 TO 110	PAPER/WOOD/PLASTIC, MODERATE, MOIST			BORING DIAMETER:			
110 TO 120	NOT MONITORED			6 INCHES		105	0 TO 105
120 TO 130	NOT MONITORED			4 INCHES		140	105 TO 245
130 TO 140	PAPER/PLASTIC/TEXTILE, MODERATE, MOIST						
140 TO 150	NOT MONITORED						
150 TO 160	NOT MONITORED						
160 TO 170	PAPER/WOOD/PLASTIC/TEXTILE, MODERATE, MOIST						
170 TO 180	NOT MONITORED						
180 TO 190	NOT MONITORED						
190 TO 200	PAPER/PLASTIC, SEVERE, MOIST						
200 TO 210	NOT MONITORED						
210 TO 220	NOT MONITORED						
220 TO 230	PAPER/PLASTIC/WOOD, MODERATE, MOIST						
230 TO 245	NOT MONITORED						
DEPTH (FT. BGS)	TEMPERATURE (°F)						
0 TO 10	NOT MONITORED						
10 TO 20	112						
20 TO 30	NOT MONITORED						
30 TO 40	114						
40 TO 50	130						
50 TO 60	134						
60 TO 70	176						
70 TO 80	166						
80 TO 90	156						
90 TO 100	NOT MONITORED						
100 TO 110	160						
110 TO 120	NOT MONITORED						
120 TO 130	NOT MONITORED						
130 TO 140	154						
140 TO 150	NOT MONITORED						
150 TO 160	NOT MONITORED						
160 TO 170	150						
170 TO 180	NOT MONITORED						
180 TO 190	NOT MONITORED						
190 TO 200	146						
200 TO 210	NOT MONITORED						
210 TO 220	NOT MONITORED						
220 TO 230	154						
230 TO 245	NOT MONITORED						

Tetra Tech, BAS Inc.				TEMPERATURE PROBE ID:	TP-31		
SITE NAME:	CHIQUITA CANYON LANDFILL			COORDINATES:	N: 1,981,476, E: 6,367,157		
START DATE:	11/12/2024			SURFACE ELEVATION:	1,402		
COMPLETION DATE:	11/15/2024			TOP OF CASING ELEVATION:	1,405		
CQA MONITOR:	Julian Obusan, E.I.T.			WELL CASING MATERIAL:	2-INCH STAINLESS STEEL		
CONTRACTOR:	Cascade Remediation Services, LLC			END CAP MATERIAL:	2-INCH STAINLESS STEEL		
DRILLER:	Cascade Remediation Services, LLC			TARGET DEPTH:	290 FT		
DRILL RIG:	ProSonic 600T			COMPLETION DEPTH:	290 FT		
EXISTING LITHOGRAPHY				COMPLETION LOG			
FT. BGS TO FT. BGS	DESCRIPTION (TYPE, DECOMPOSITION, MOISTURE)			PIPE:		FT.	FT. BGS TO FT. BGS
0 TO 10	NOT MONITORED			RISER STICK UP	3		
10 TO 20	PAPER/PLASTIC/TEXTILE, MODERATE, MOIST			SOLID PIPE	290	0 TO 290	
20 TO 30	NOT MONITORED						
30 TO 40	PAPER/PLASTIC/TEXTILE, MODERATE, MOIST						
40 TO 50	NOT MONITORED						
50 TO 60	PAPER/WOOD, MODERATE, MOIST						
60 TO 70	NOT MONITORED						
70 TO 80	PAPER/WOOD, SEVERE, WET						
80 TO 90	NOT MONITORED						
90 TO 100	PAPER/PLASTIC/TEXTILE, SEVERE, WET						
100 TO 110	NOT MONITORED						
110 TO 120	NOT MONITORED						
120 TO 130	NOT MONITORED						
130 TO 140	NOT MONITORED						
140 TO 150	PLASTIC, SEVERE, WET						
150 TO 160	NOT MONITORED						
160 TO 170	PAPER/PLASTIC, SEVERE, WET						
170 TO 180	NOT MONITORED						
180 TO 190	PAPER/PLASTIC, SEVERE, WET						
190 TO 200	NOT MONITORED						
200 TO 210	PAPER/PLASTIC, SEVERE, WET						
210 TO 220	NOT MONITORED						
220 TO 230	PAPER/PLASTIC, SEVERE, WET						
230 TO 240	NOT MONITORED						
240 TO 250	PAPER/PLASTIC, SEVERE, WET						
250 TO 260	NOT MONITORED						
260 TO 270	NOT MONITORED						
270 TO 280	PAPER/PLASTIC, SEVERE, WET						
280 TO 290	PAPER/PLASTIC, SEVERE, WET						
BACKFILL:							
UPPER SOIL PLUG				3	0 TO 3		
BENTONITE SEAL				2	3 TO 5		
LOWER SOIL PLUG				285	5 TO 290		
BORING DIAMETER:							
6 INCHES				115	0 TO 115		
4 INCHES				175	115 TO 290		
DEPTH (FT. BGS)	TEMPERATURE (°F)						
0 TO 10	NOT MONITORED						
10 TO 20	120						
20 TO 30	NOT MONITORED						
30 TO 40	134						
40 TO 50	NOT MONITORED						
50 TO 60	136						
60 TO 70	NOT MONITORED						
70 TO 80	144						
80 TO 90	NOT MONITORED						
90 TO 100	150						
100 TO 110	NOT MONITORED						
110 TO 120	NOT MONITORED						
120 TO 130	NOT MONITORED						
130 TO 140	NOT MONITORED						
140 TO 150	NOT MONITORED						
150 TO 160	NOT MONITORED						
160 TO 170	135						
170 TO 180	NOT MONITORED						
180 TO 190	160						
190 TO 200	NOT MONITORED						
200 TO 210	178						
210 TO 220	NOT MONITORED						
220 TO 230	145						
230 TO 240	NOT MONITORED						
240 TO 250	150						
250 TO 260	NOT MONITORED						
260 TO 270	NOT MONITORED						
270 TO 280	152						
280 TO 290	150						

DRILLING LOG

Record Prepared By: Eli Ortenberg
 Site: Chiquita Canyon Landfill
 Date: 12/11/2025
 Northing: 1981455.963
 Easting: 6366283.972
 Surface Elevation: 1366
 Liner Elevation: -
 Temperature Probe Pipe Size: (In.) 2
 Temperature Probe Material: Stainless Steel
 Solid Pipe: (Ft.) 48 (reference from top of ground surface)
 Boring depth: (Ft.) 50

Temperature Probe ID: TP-33
 Driller Name: Boart Longyear
 Bench (Y/N) N
 Weather: -
 Start Drill Time: 10:30:00 AM
 End Drill Time: 1:20:00 PM
 Seal Type: Bentonite Plug
 Latitude: 34.4353828
 Longitude: -118.6479862

Starting Depth	Ending Depth	Composition	Temp (F)	Degree of Decomposition	Amount of Moisture	Comments
0	7	soil, gravel	75.0	none to little	dry	
7	17	paper, plastic	90.0	moderate	moist	
17	27	wood, cardboard	100.0	moderate	moist	
27	37	paper, plastic, cardboard	100.0	moderate	moist	
37	47	wood, paper, plastic	108.0	well	moist	
47	50	wood, paper, plastic	110.0	well	moist	

Comments:
 Stopped drilling at 50' before encountering high pressure.

ETOOLS ID

-

Alias

TP-33

Site Name:

CHIQUITA CANYON LANDFILL

Date Installed:

12/11/2025

City:

CASTAIC

State:

CA

Installation Contractor:

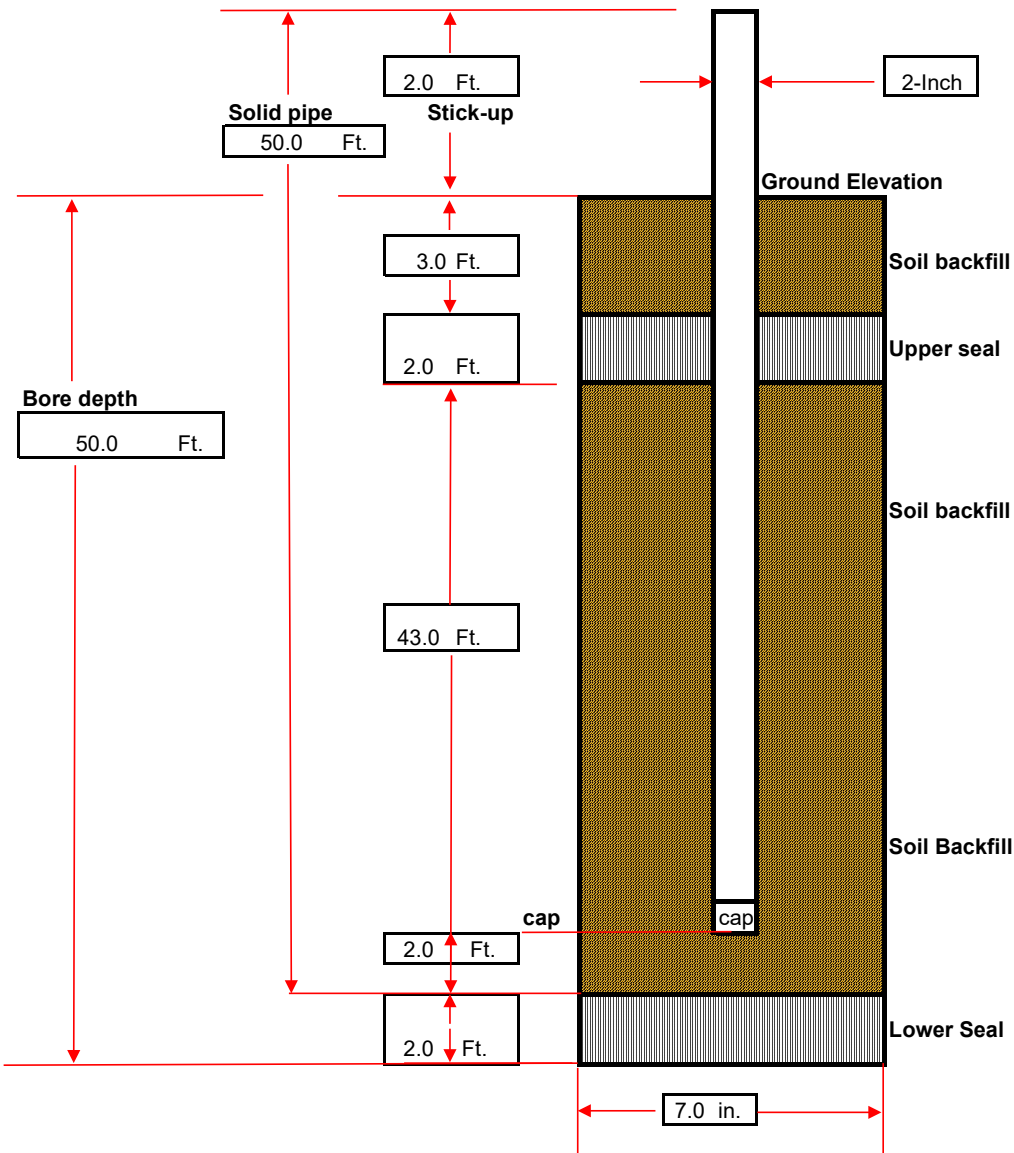
Boart Longyear

General Comments:


Coordinates :
Northing: 1981455.963
Easting: 6366283.972
Ground Elevation (MSL): 1366
Notes: Stopped drilling at 50' before encountering high pressure.

Pipe Material:

Stainless Steel



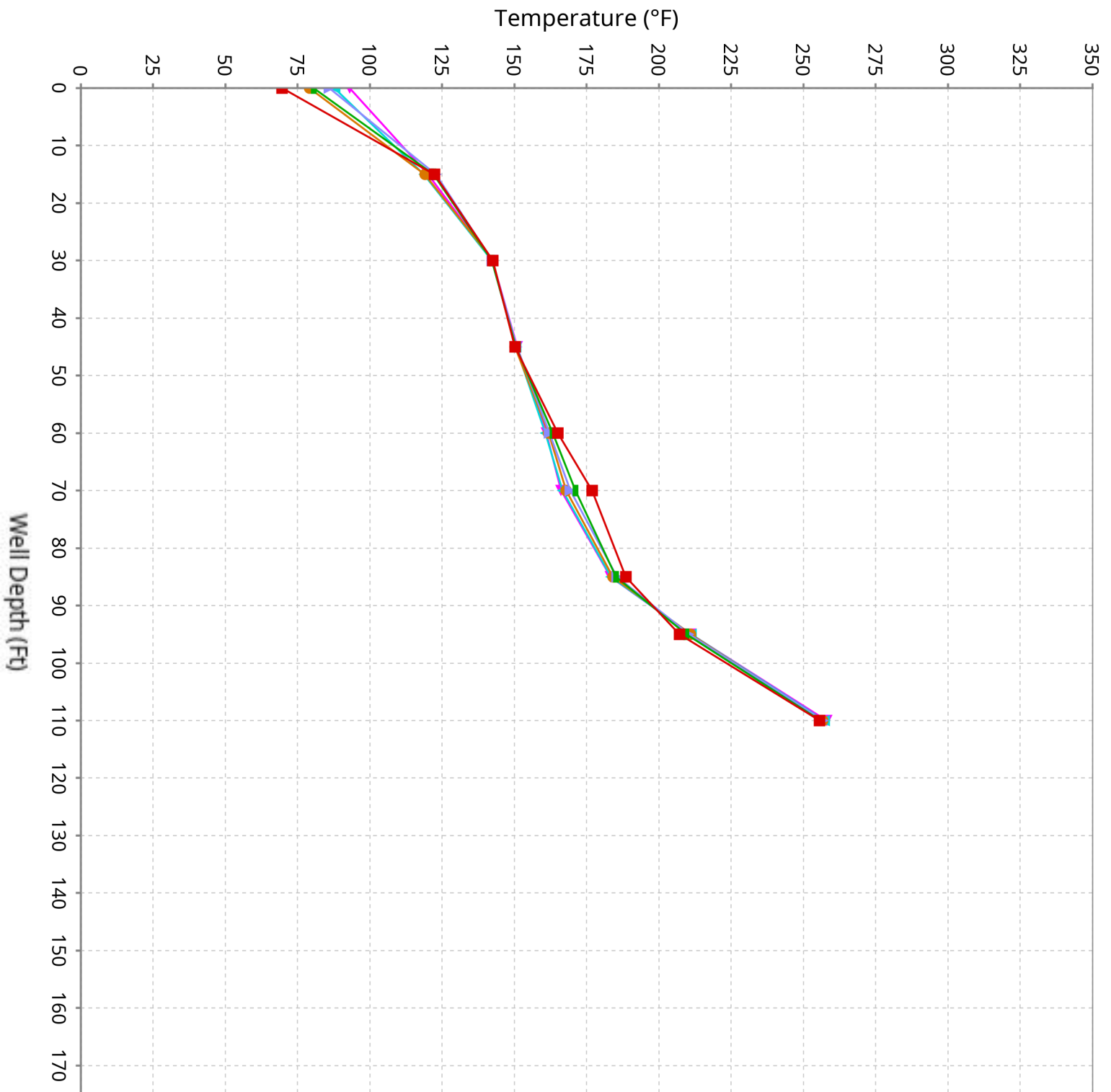
Tetra Tech, BAS Inc.				TEMPERATURE PROBE ID:	TP-36		
SITE NAME:	CHIQUITA CANYON LANDFILL			COORDINATES:	N: 1,980,190, E: 6,366,176		
START DATE:	6/24/2025			SURFACE ELEVATION:	1,371		
COMPLETION DATE:	6/25/2025			TOP OF CASING ELEVATION:	1,376		
CQA MONITOR:	Julian Obusan, E.I.T.			WELL CASING MATERIAL:	2-INCH STAINLESS STEEL		
CONTRACTOR:	Cascade Remediation Services, LLC			END CAP MATERIAL:	2-INCH STAINLESS STEEL		
DRILLER:	Cascade Remediation Services, LLC			TARGET DEPTH:	250 FT		
DRILL RIG:	PRO SONIC 600 T			COMPLETION DEPTH:	250 FT		
EXISTING LITHOGRAPHY				COMPLETION LOG		FT.	FT. BGS TO FT. BGS
FT. BGS TO FT. BGS	DESCRIPTION (TYPE, DECOMPOSITION, MOISTURE)			PIPE:			
0 TO 10	NOT MONITORED			RISER STICK UP		5	
10 TO 20	NOT MONITORED			SOLID PIPE		250	0 TO 250
20 TO 30	NOT MONITORED						
30 TO 40	NOT MONITORED			GROUND SURFACE			
40 TO 50	NOT MONITORED			UPPER SOIL PLUG			
50 TO 60	NOT MONITORED			BENTONITE SEAL			
60 TO 70	NOT MONITORED			BACKFILL:			
70 TO 80	NOT MONITORED			UPPER SOIL PLUG		2	0 TO 2
80 TO 90	NOT MONITORED			BENTONITE SEAL		1	2 TO 3
90 TO 100	NOT MONITORED			ROCK		247	3 TO 247
100 TO 110	NOT MONITORED						
110 TO 120	NOT MONITORED						
120 TO 130	NOT MONITORED						
130 TO 140	PLASTIC, SEVERE, DRY			BORING DIAMETER:			
140 TO 150	NOT MONITORED			6 INCHES		247	0 TO 247
150 TO 160	NOT MONITORED						
160 TO 170	NOT MONITORED						
170 TO 180	NOT MONITORED						
180 TO 190	PLASTIC, MODERATE, DRY						
190 TO 200	NOT MONITORED						
200 TO 210	NOT MONITORED						
210 TO 220	PLASTIC, MODERATE, DRY						
220 TO 230	NOT MONITORED						
230 TO 240	NOT MONITORED						
240 TO 250	PLASTIC, MODERATE, DRY						
DEPTH (FT. BGS)	TEMPERATURE (°F)						
0 TO 10	NOT MONITORED						
10 TO 20	NOT MONITORED						
20 TO 30	NOT MONITORED						
30 TO 40	NOT MONITORED						
40 TO 50	NOT MONITORED						
50 TO 60	NOT MONITORED						
60 TO 70	NOT MONITORED						
70 TO 80	NOT MONITORED						
80 TO 90	NOT MONITORED						
90 TO 100	NOT MONITORED						
100 TO 110	NOT MONITORED						
110 TO 120	NOT MONITORED						
120 TO 130	NOT MONITORED						
130 TO 140	163						
140 TO 150	NOT MONITORED						
150 TO 160	NOT MONITORED						
160 TO 170	NOT MONITORED						
170 TO 180	NOT MONITORED						
180 TO 190	130						
190 TO 200	NOT MONITORED						
200 TO 210	NOT MONITORED						
210 TO 220	162						
220 TO 230	NOT MONITORED						
230 TO 240	NOT MONITORED						
240 TO 250	150						



Appendix B
Solid Waste Borehole Temperature Profiles

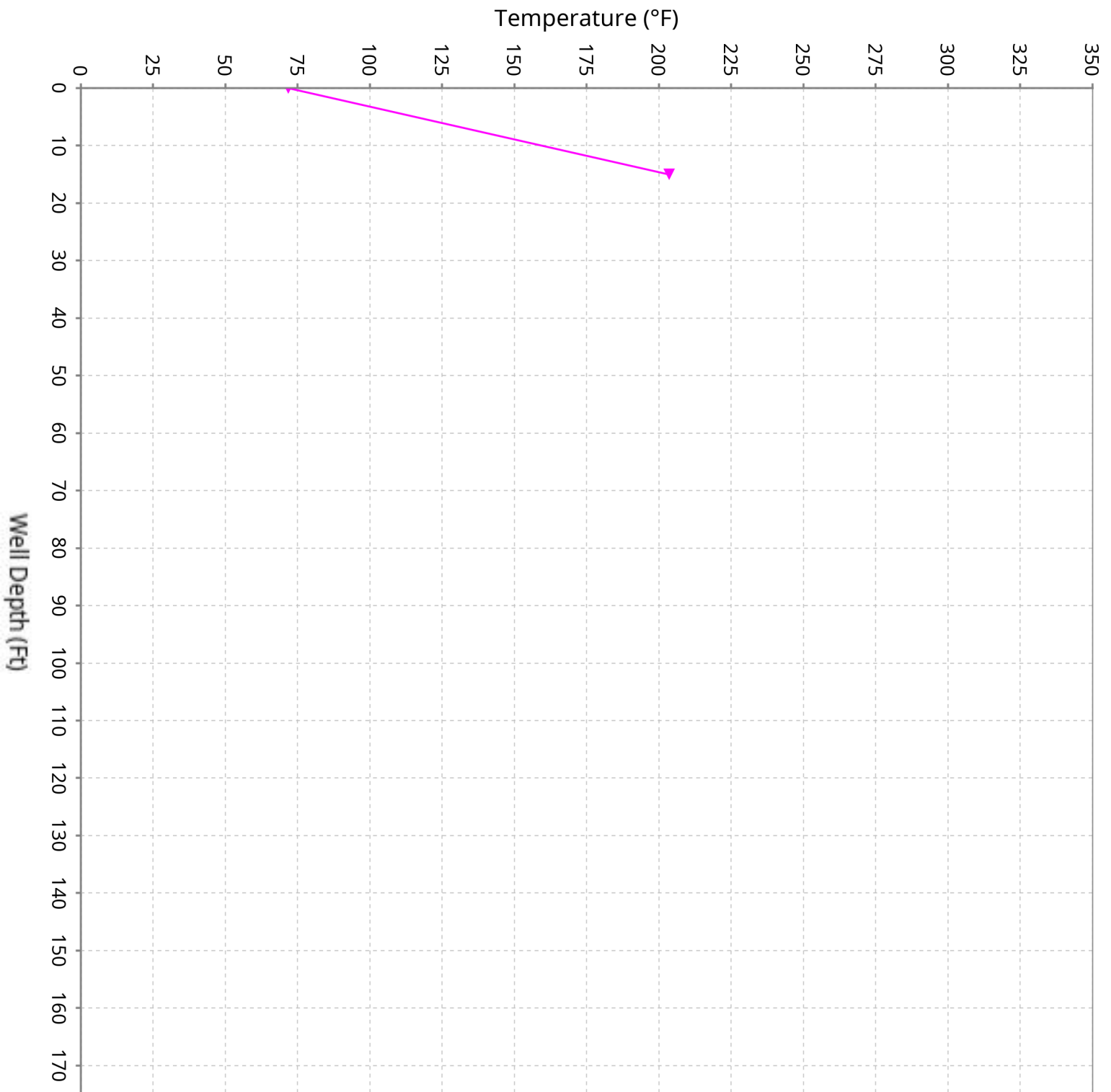
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-21

Maximum data for 1/1/2026 to 2/11/2026



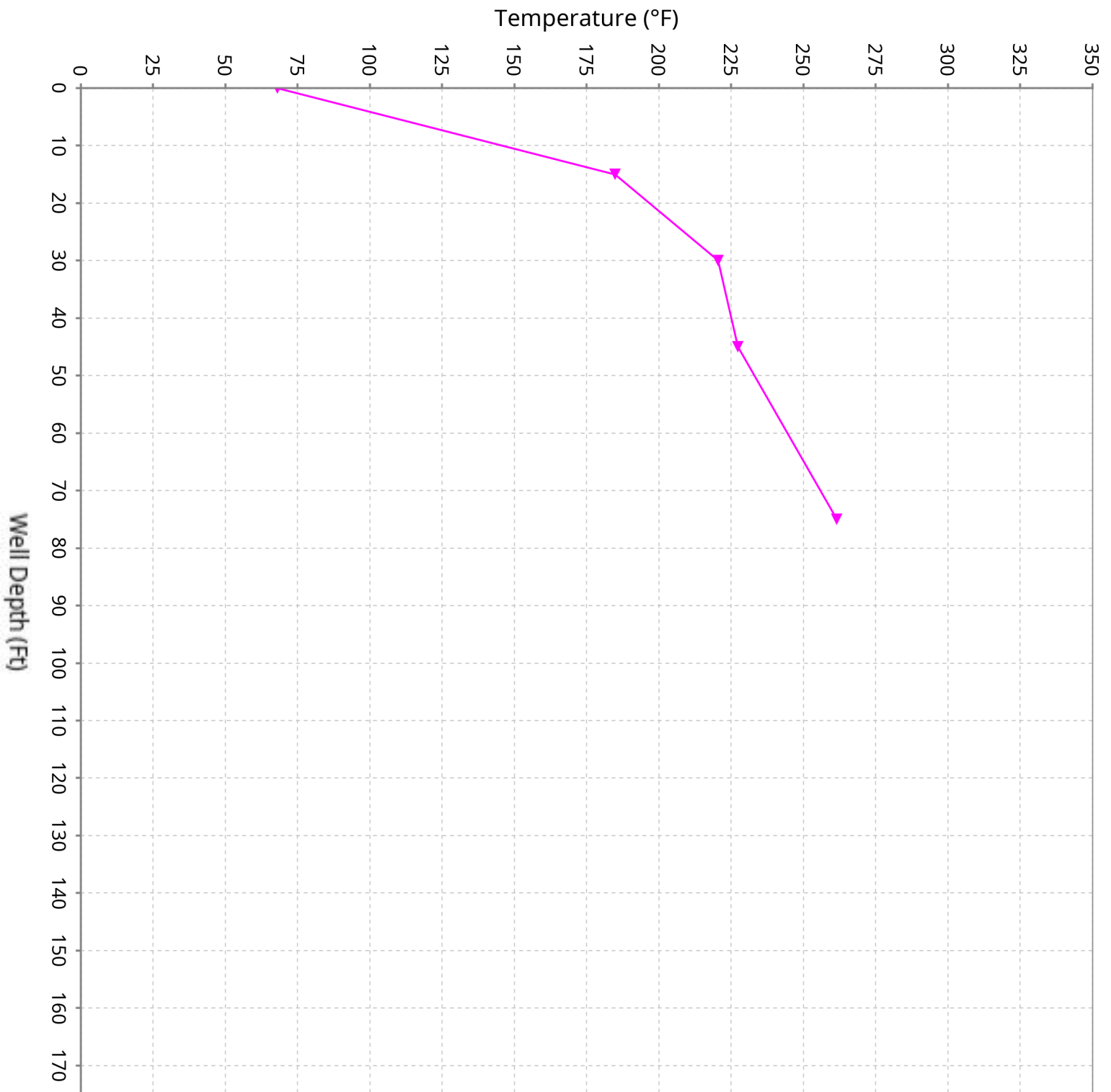
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-22

Maximum data for 1/1/2026 to 2/11/2026



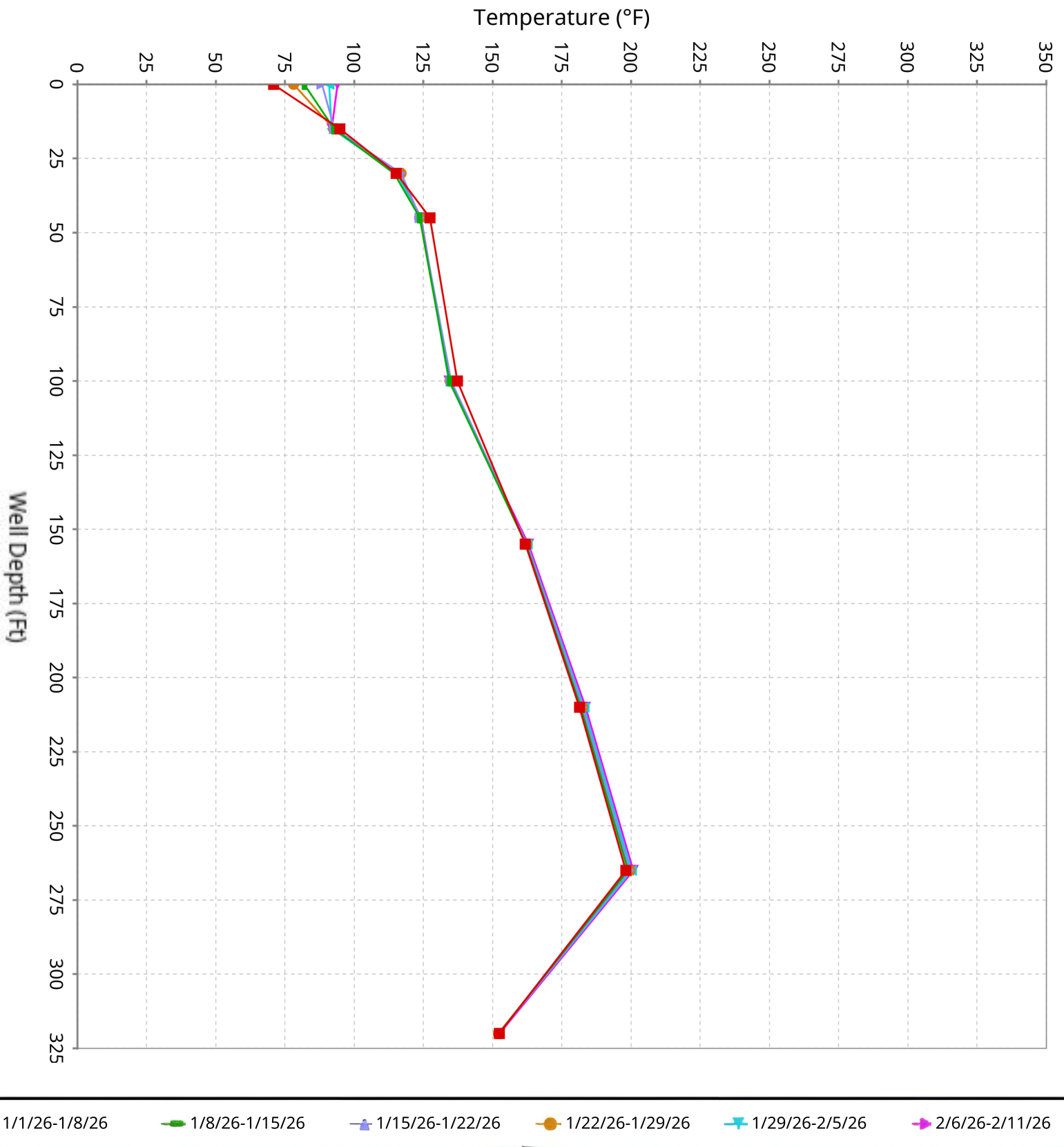
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-23

Maximum data for 1/1/2026 to 2/11/2026



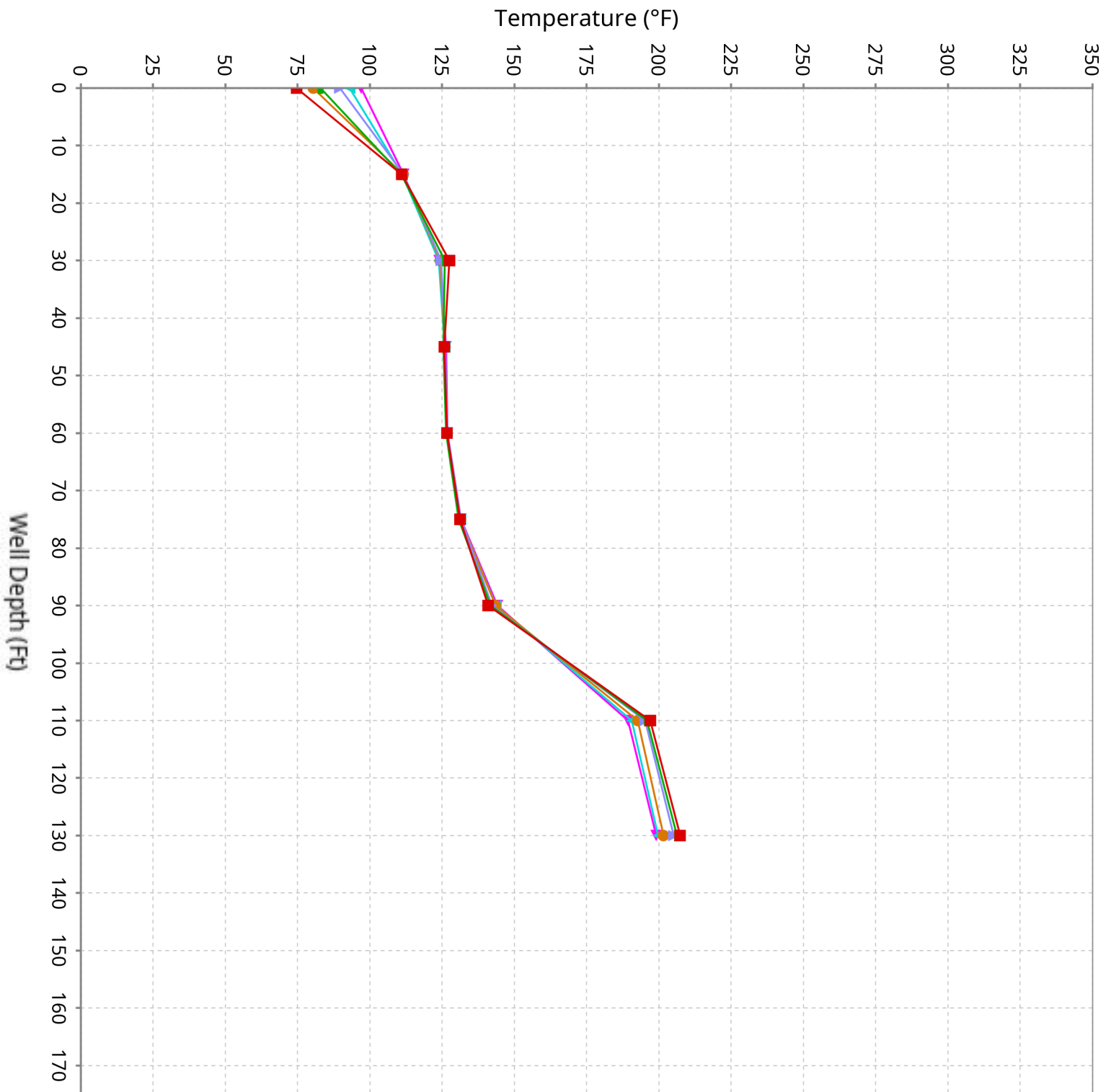
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-24

Maximum data for 1/1/2026 to 2/11/2026



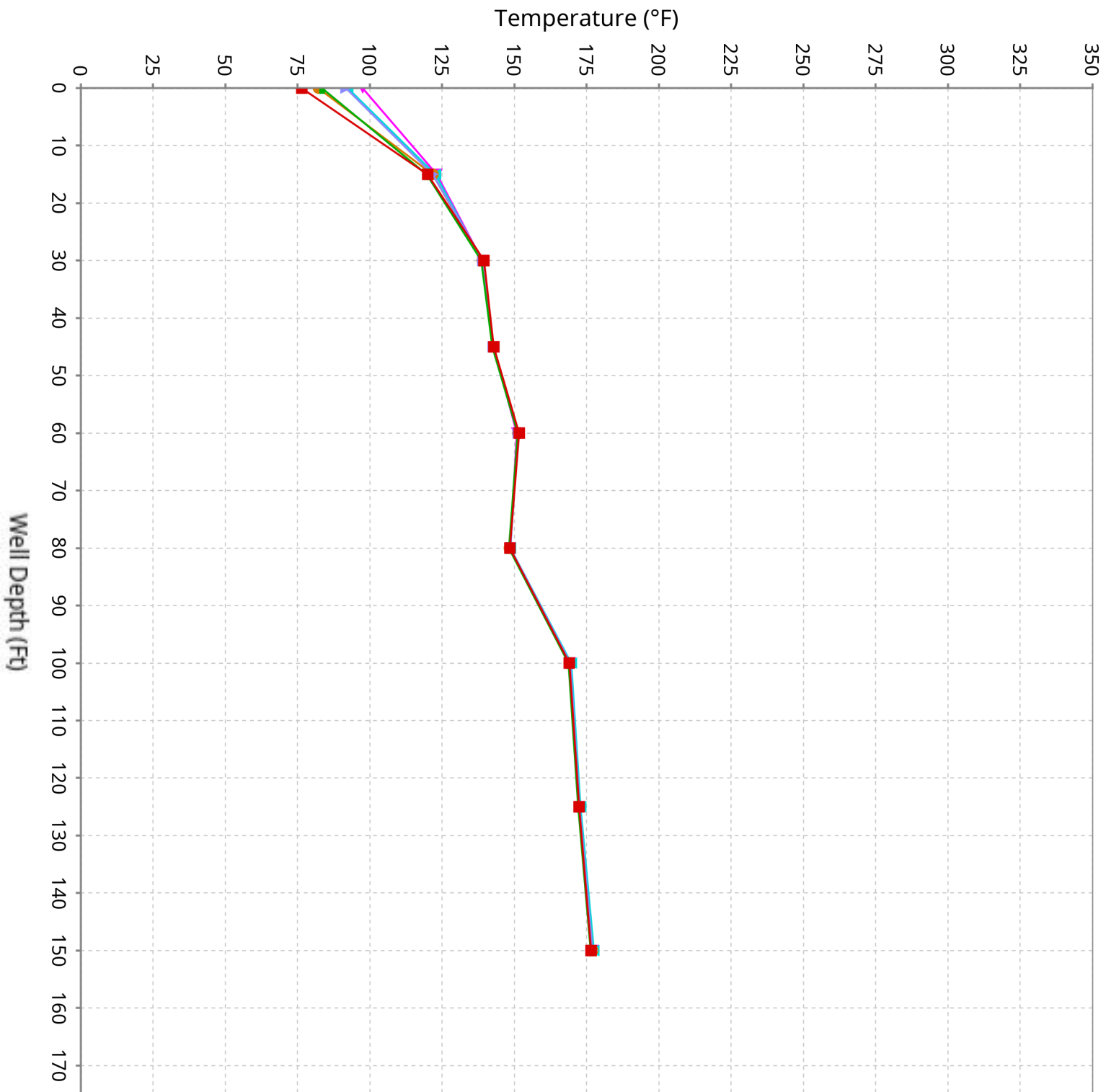
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-25

Maximum data for 1/1/2026 to 2/11/2026



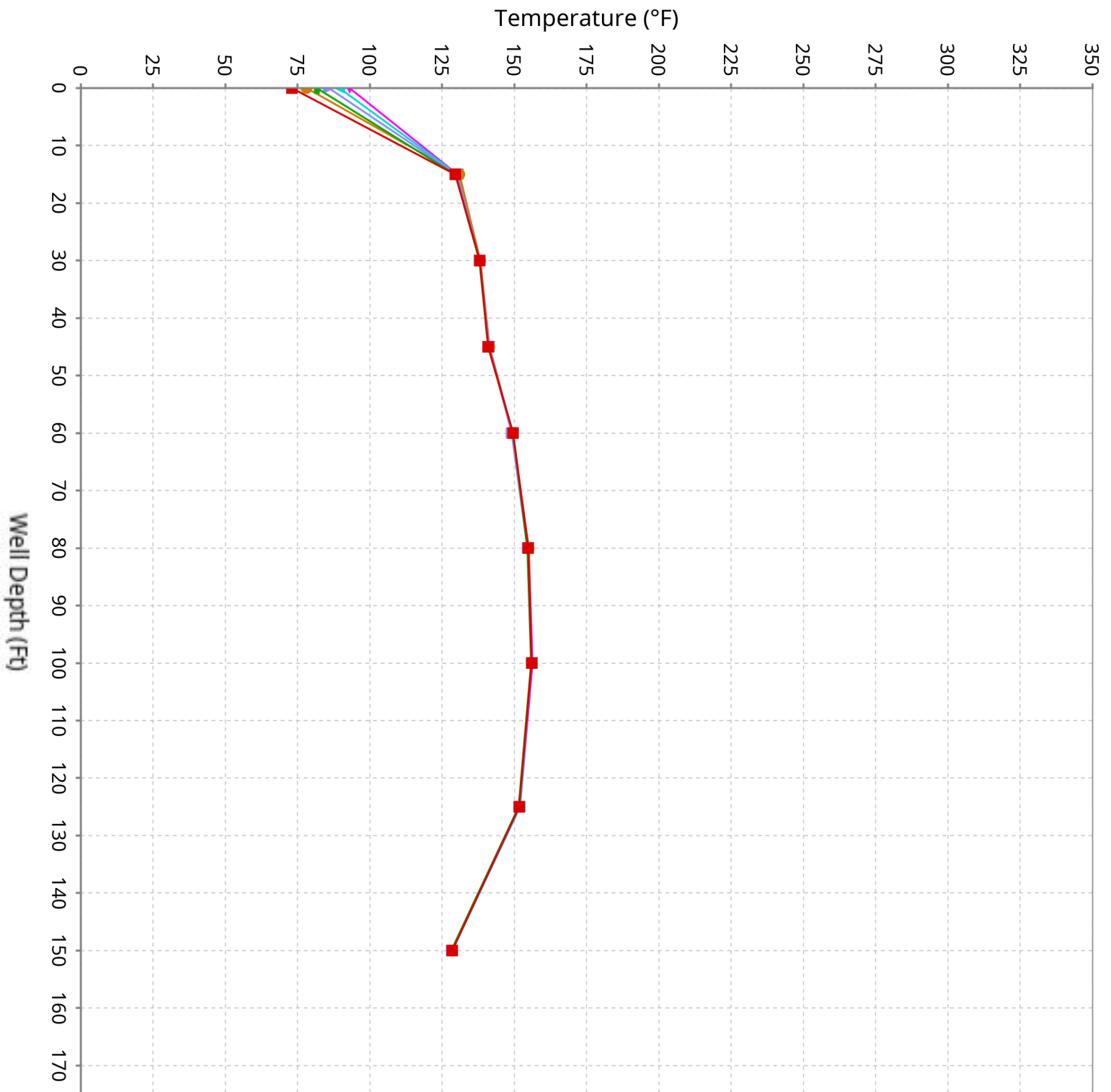
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-26

Maximum data for 1/1/2026 to 2/11/2026



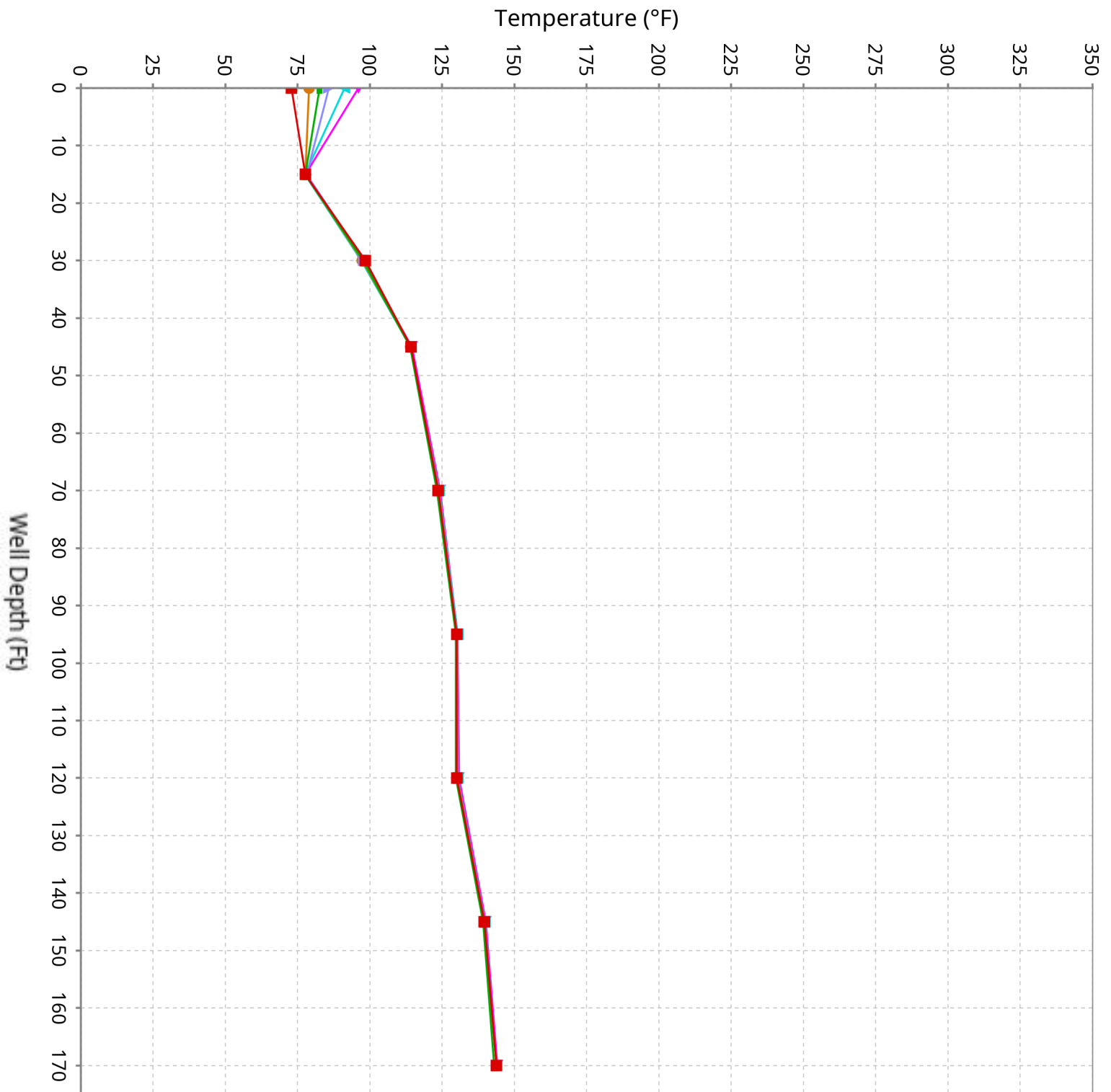
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-27

Maximum data for 1/1/2026 to 2/11/2026



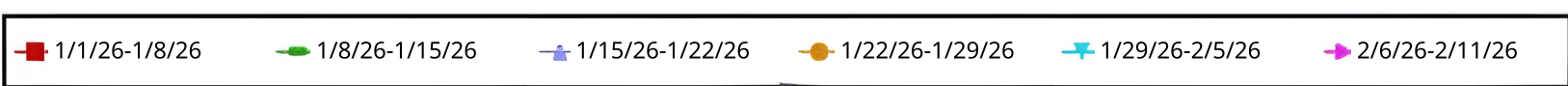
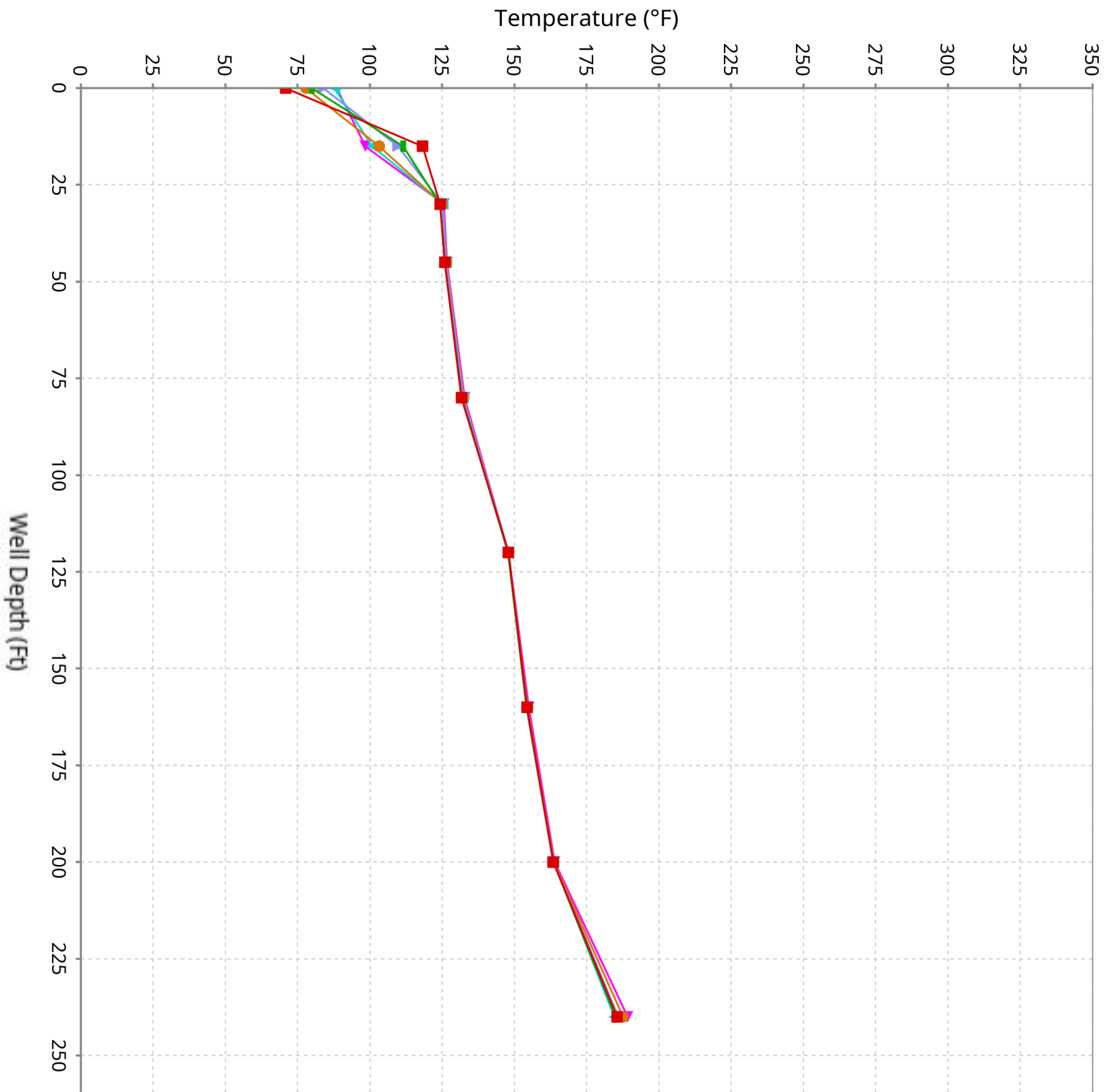
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-28

Maximum data for 1/1/2026 to 2/11/2026



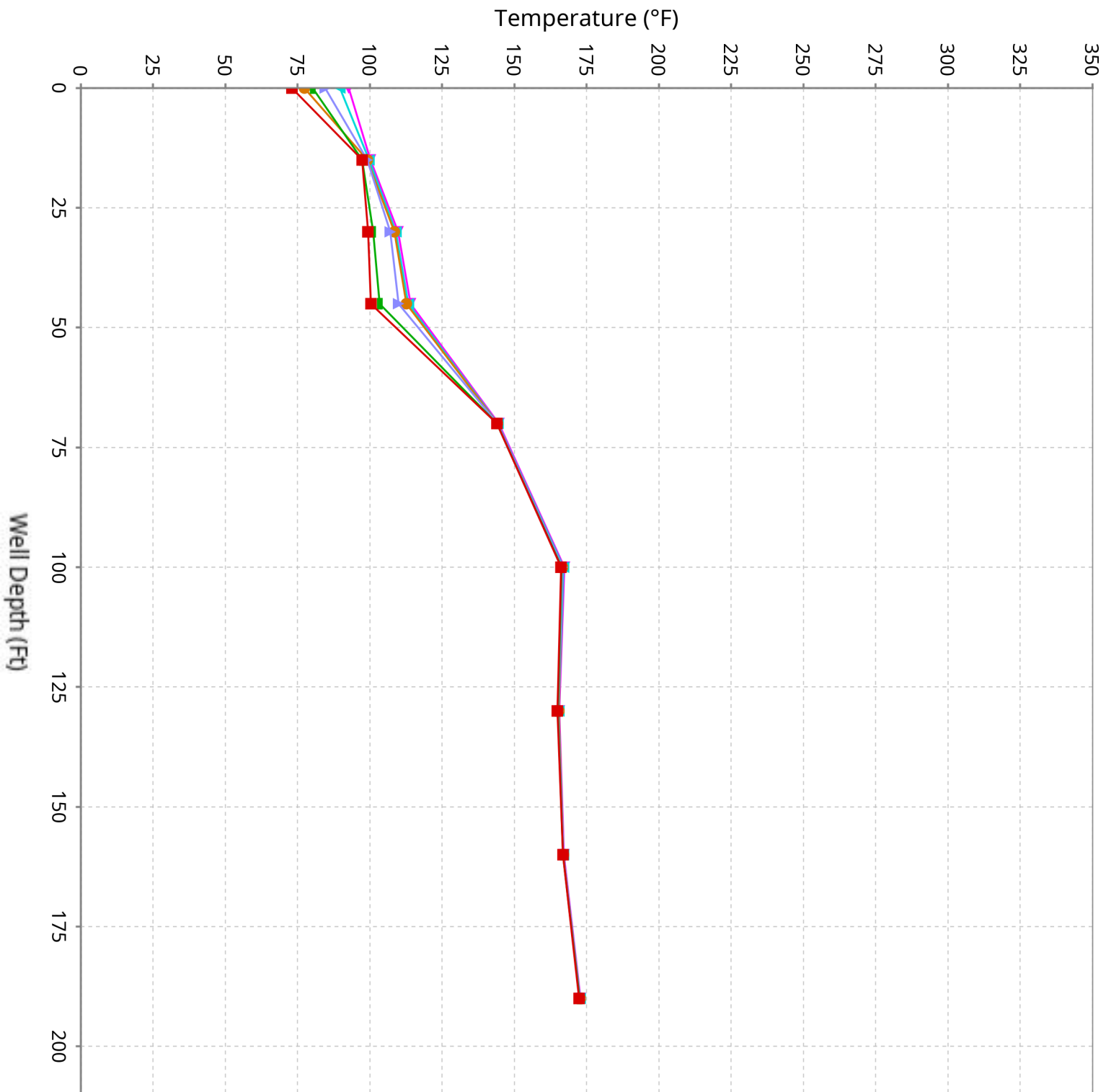
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-29

Maximum data for 1/1/2026 to 2/11/2026



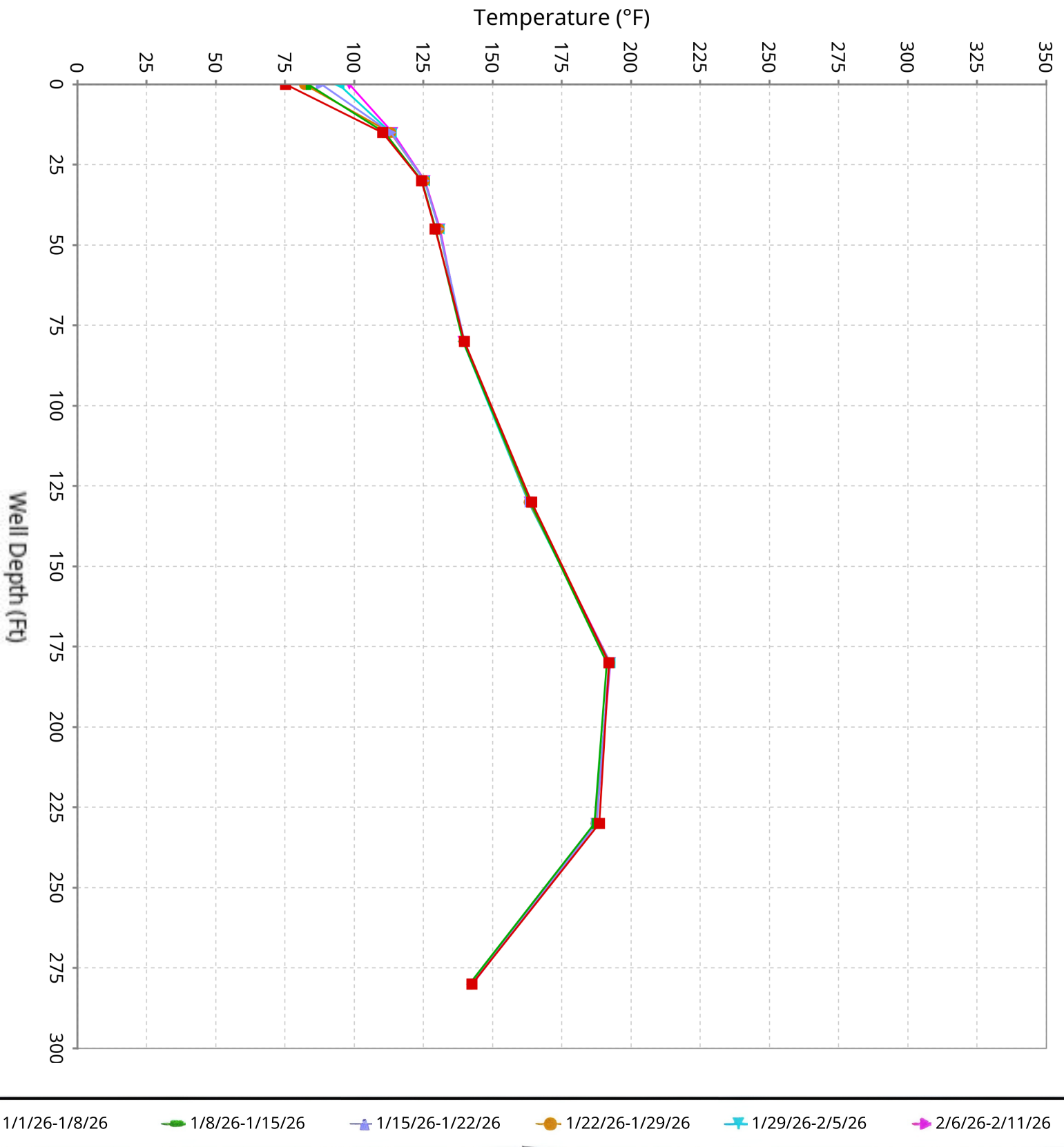
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-30

Maximum data for 1/1/2026 to 2/11/2026



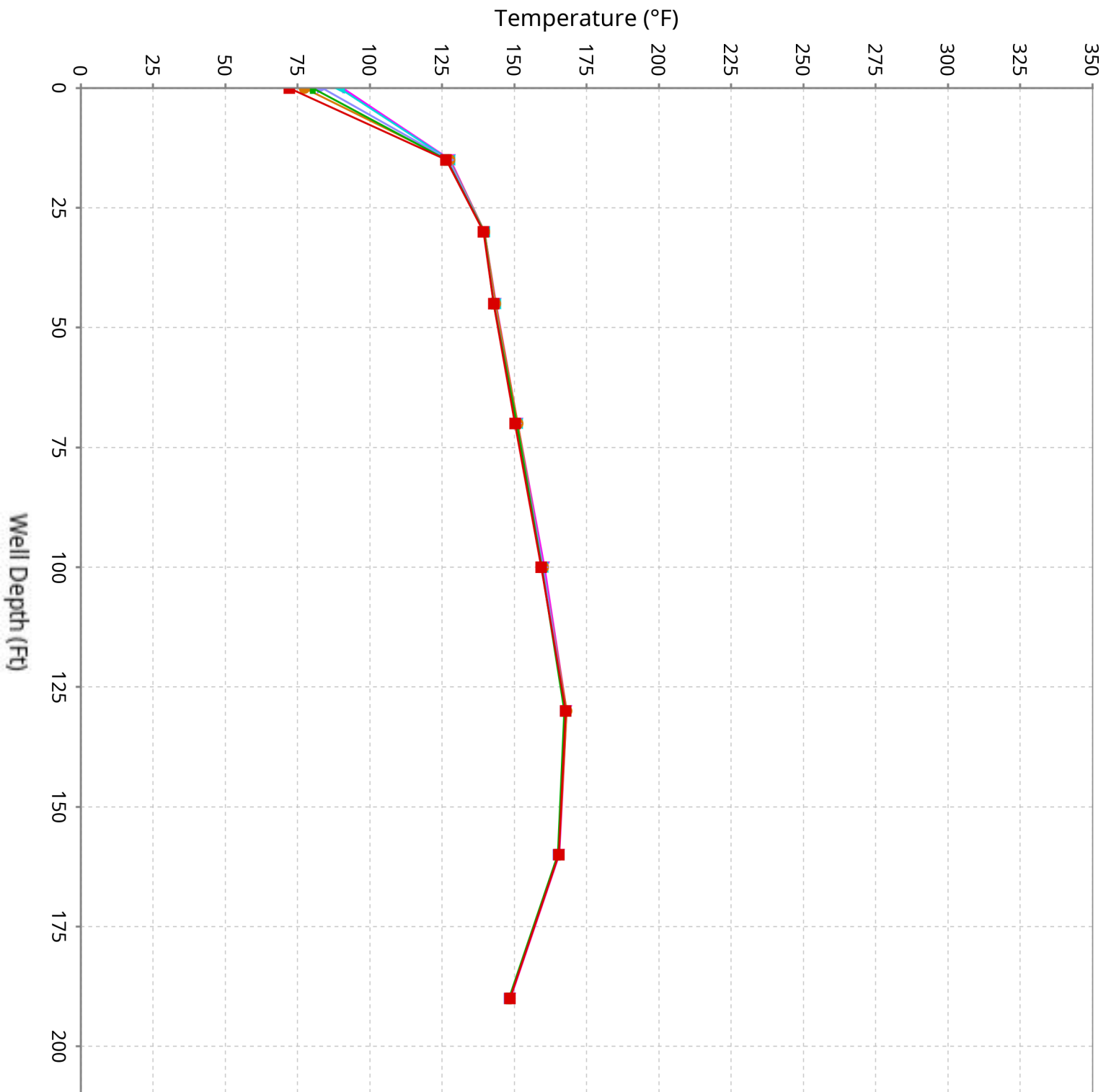
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-31

Maximum data for 1/1/2026 to 2/11/2026



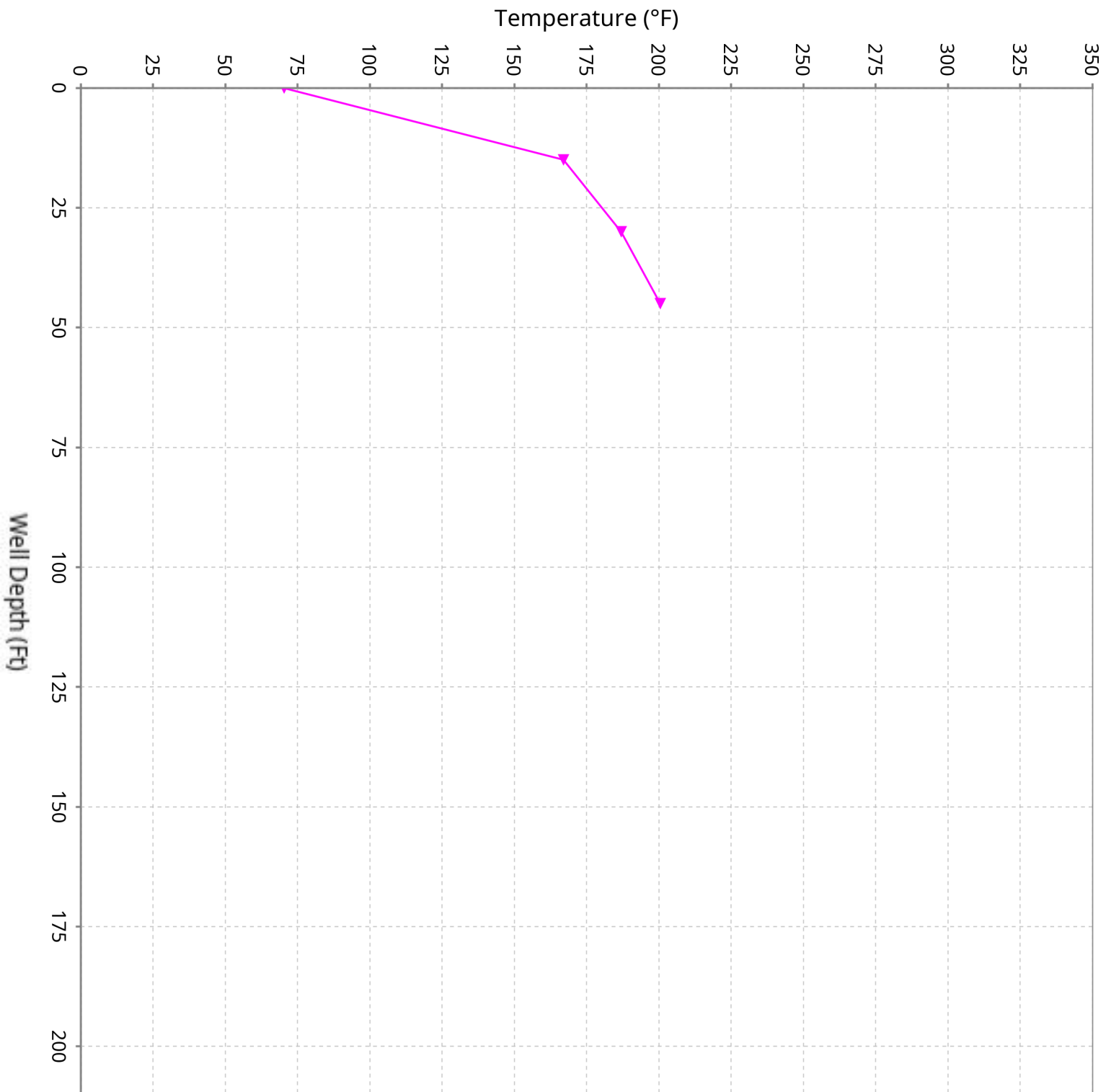
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-32

Maximum data for 1/1/2026 to 2/11/2026



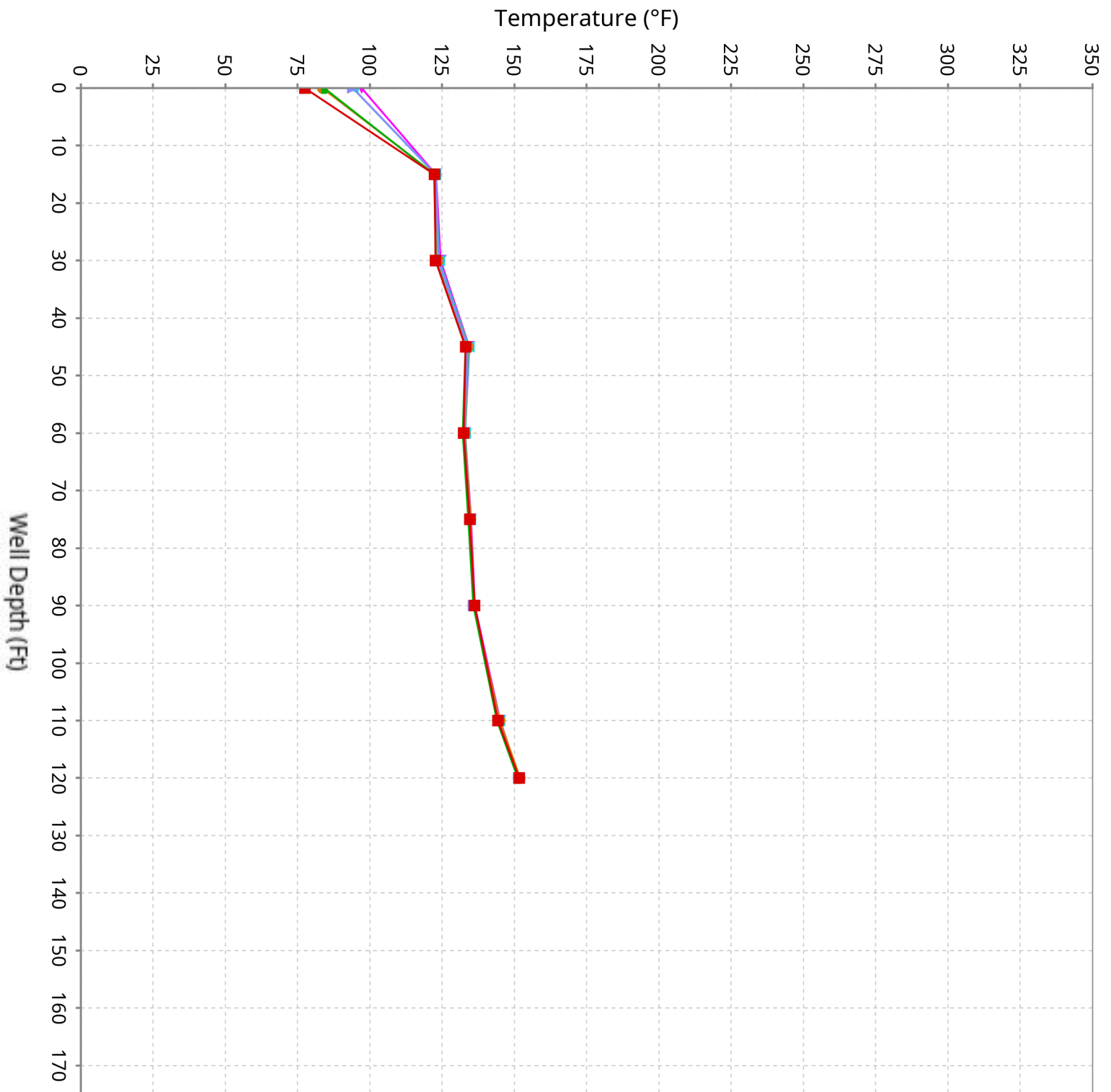
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-33

Maximum data for 1/1/2026 to 2/11/2026



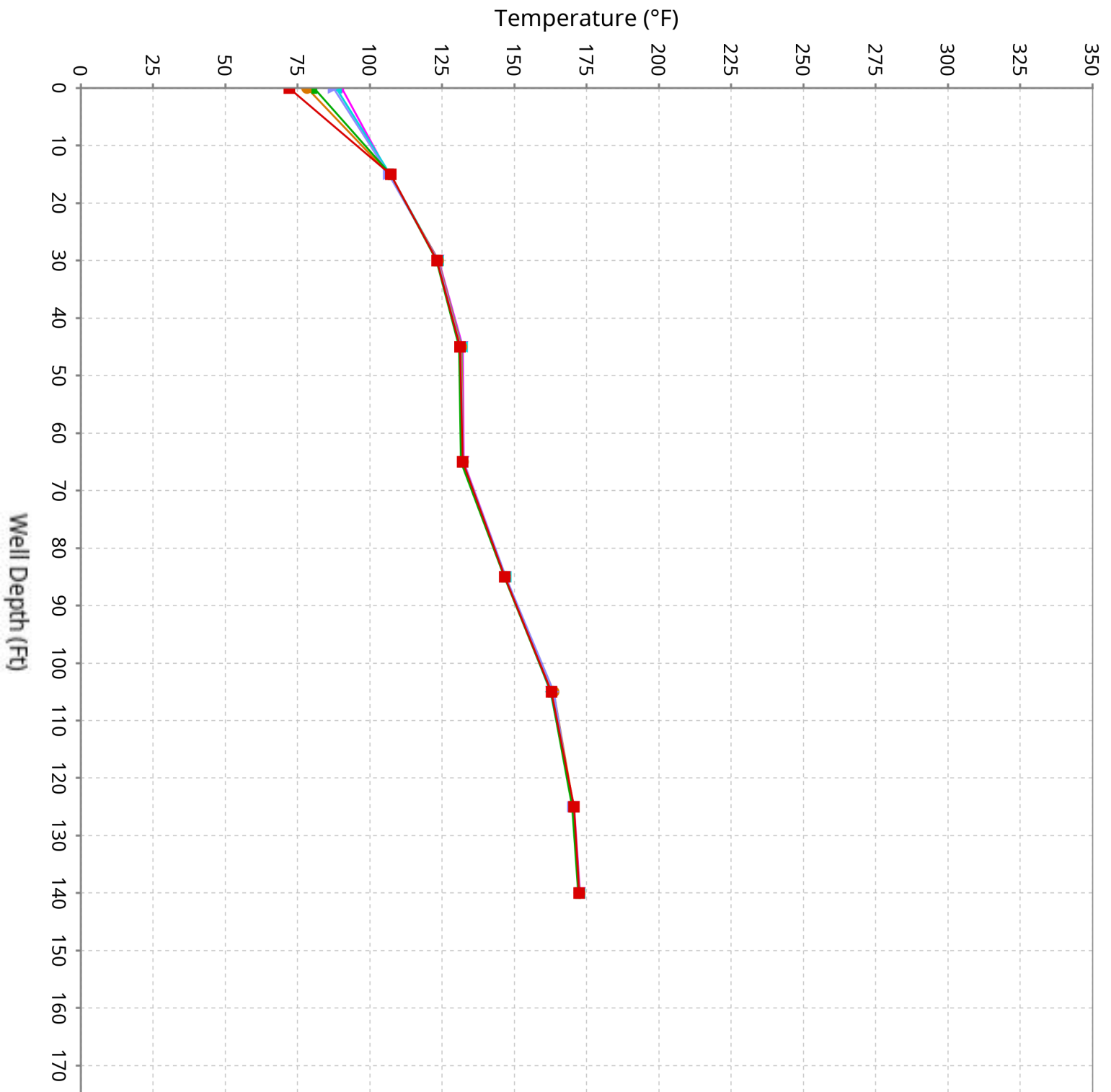
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-34

Maximum data for 1/1/2026 to 2/11/2026



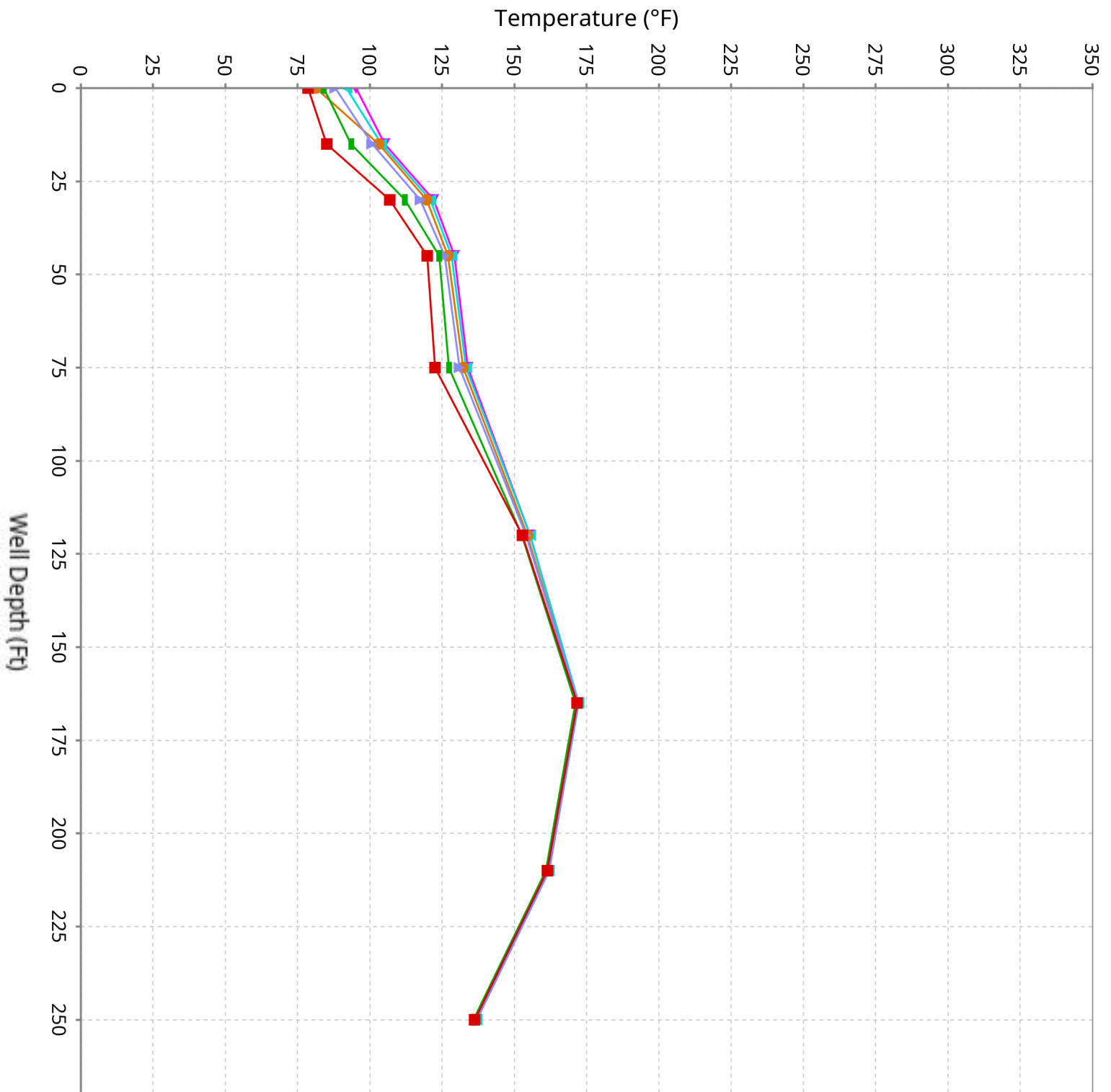
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-35

Maximum data for 1/1/2026 to 2/11/2026



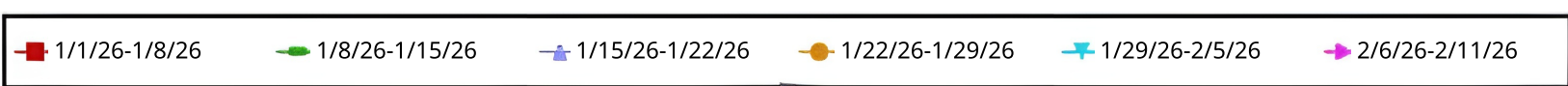
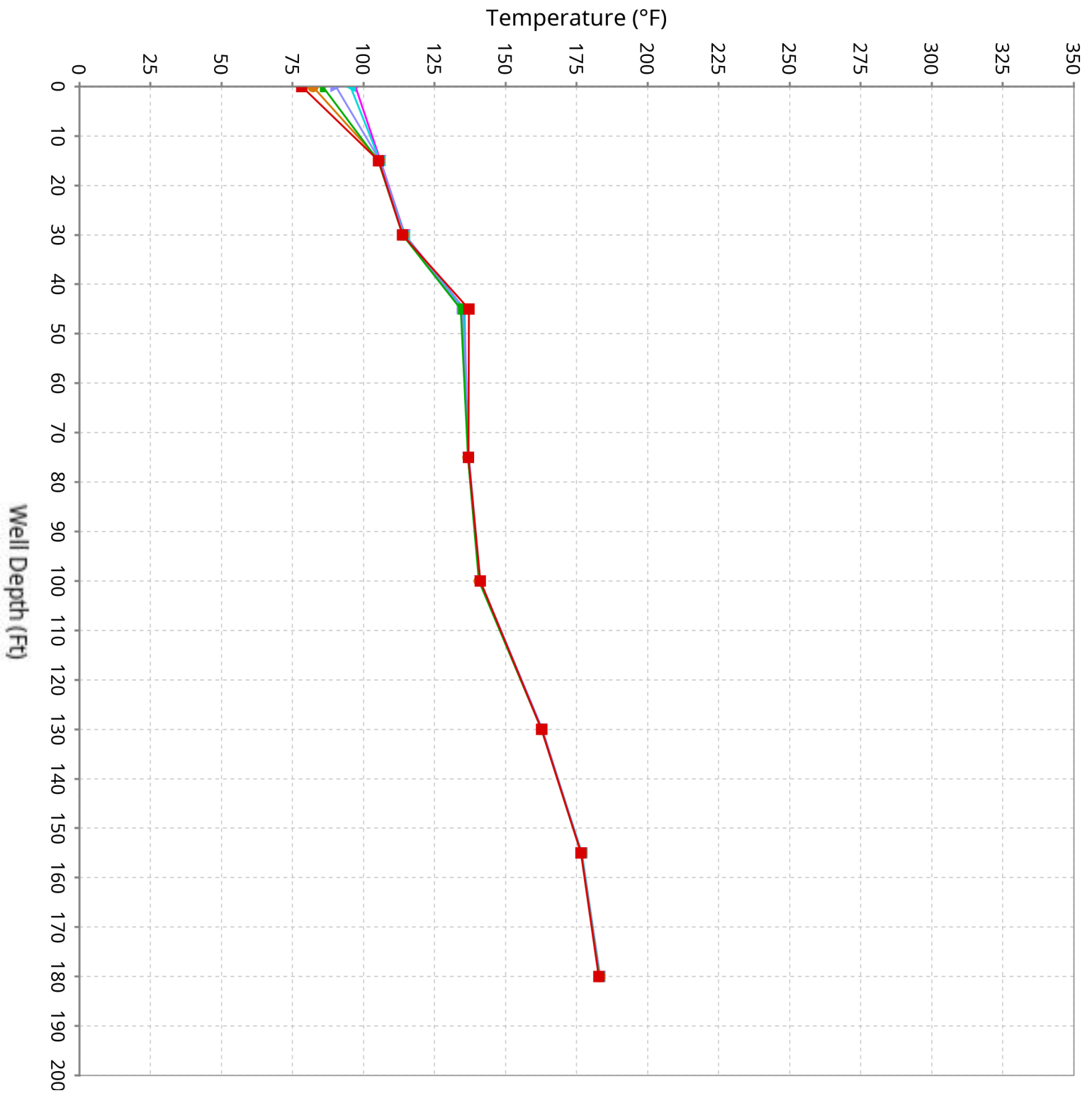
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-36

Maximum data for 1/1/2026 to 2/11/2026



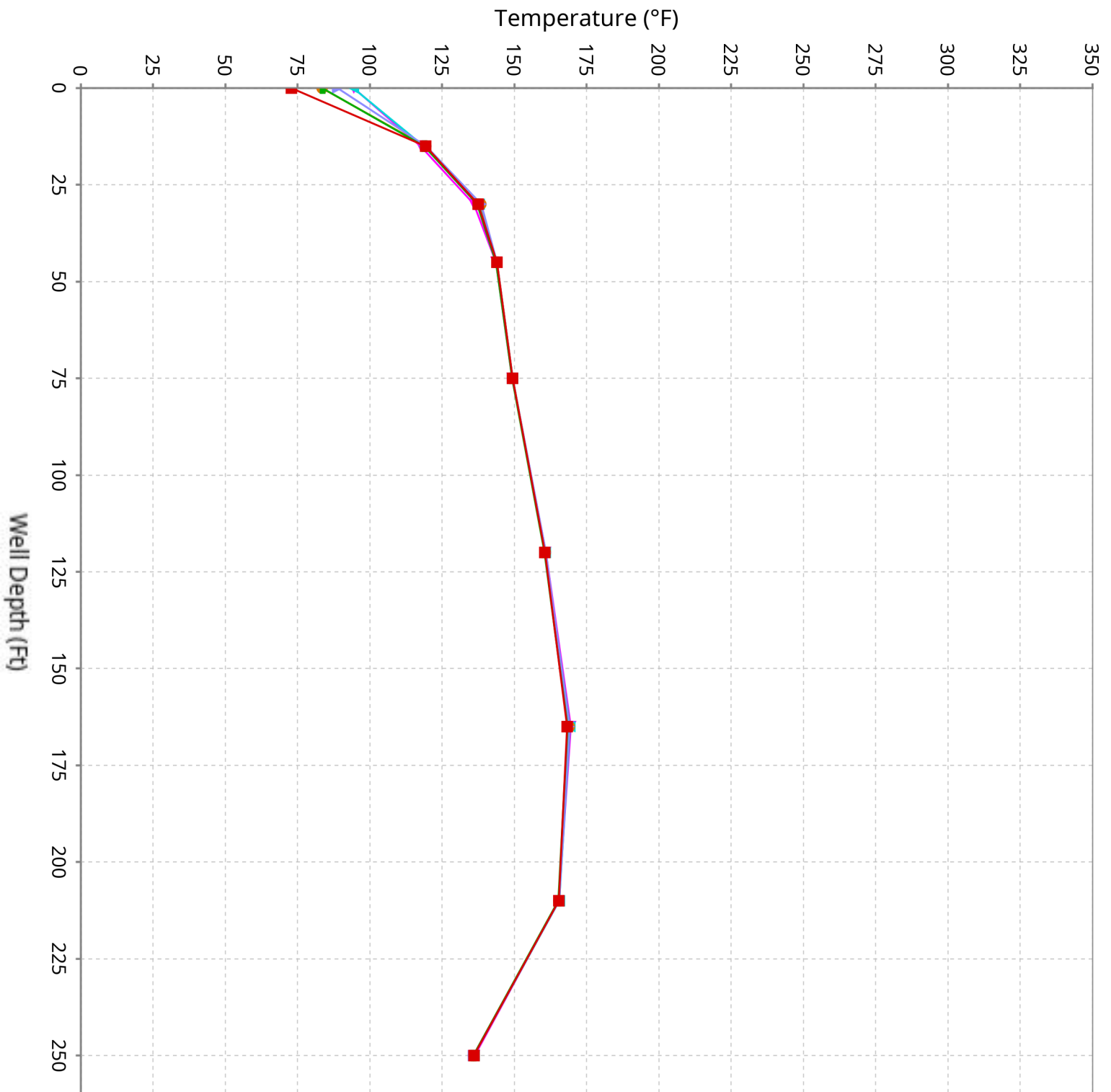
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-37

Maximum data for 1/1/2026 to 2/11/2026



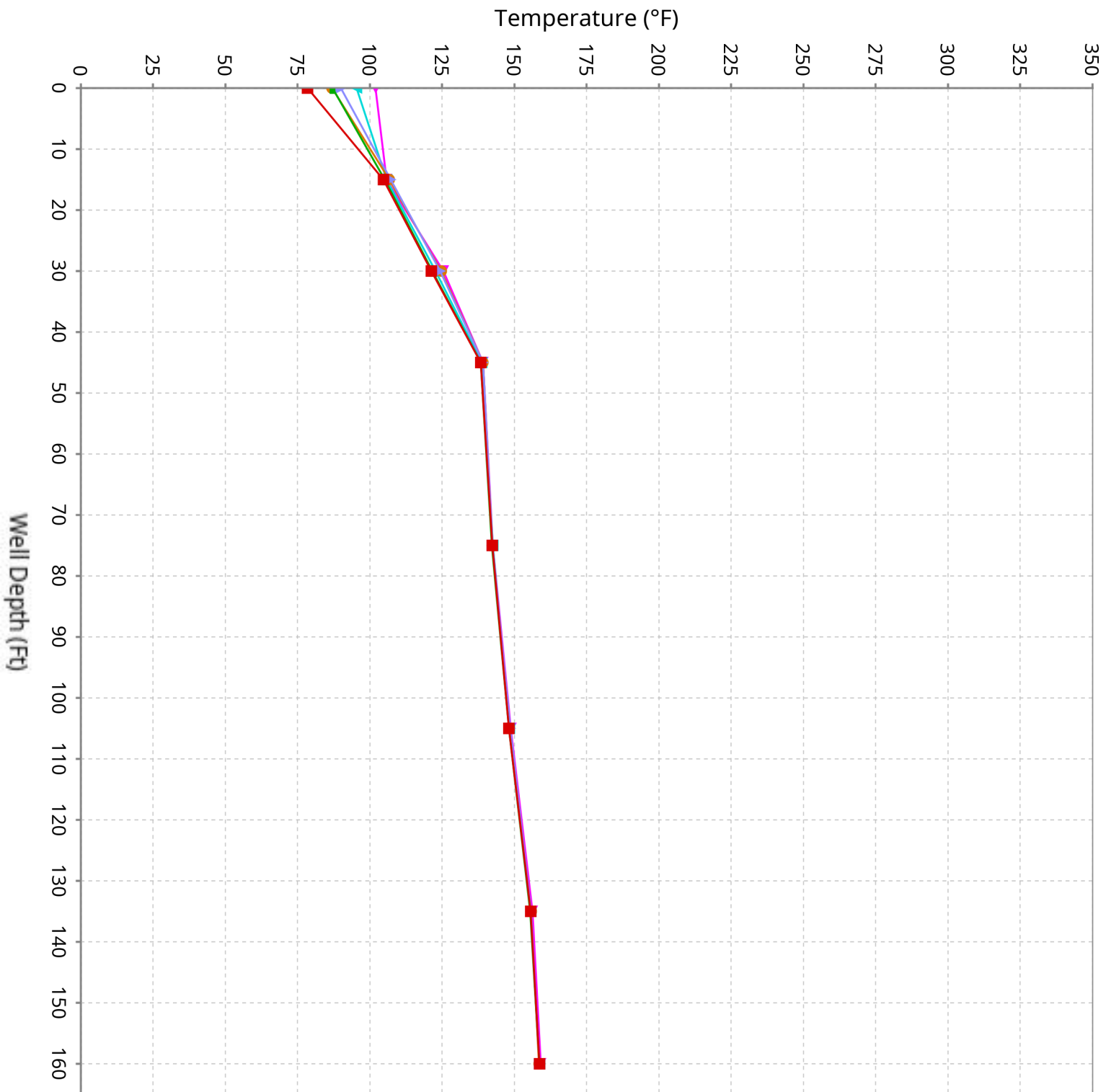
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-38

Maximum data for 1/1/2026 to 2/11/2026



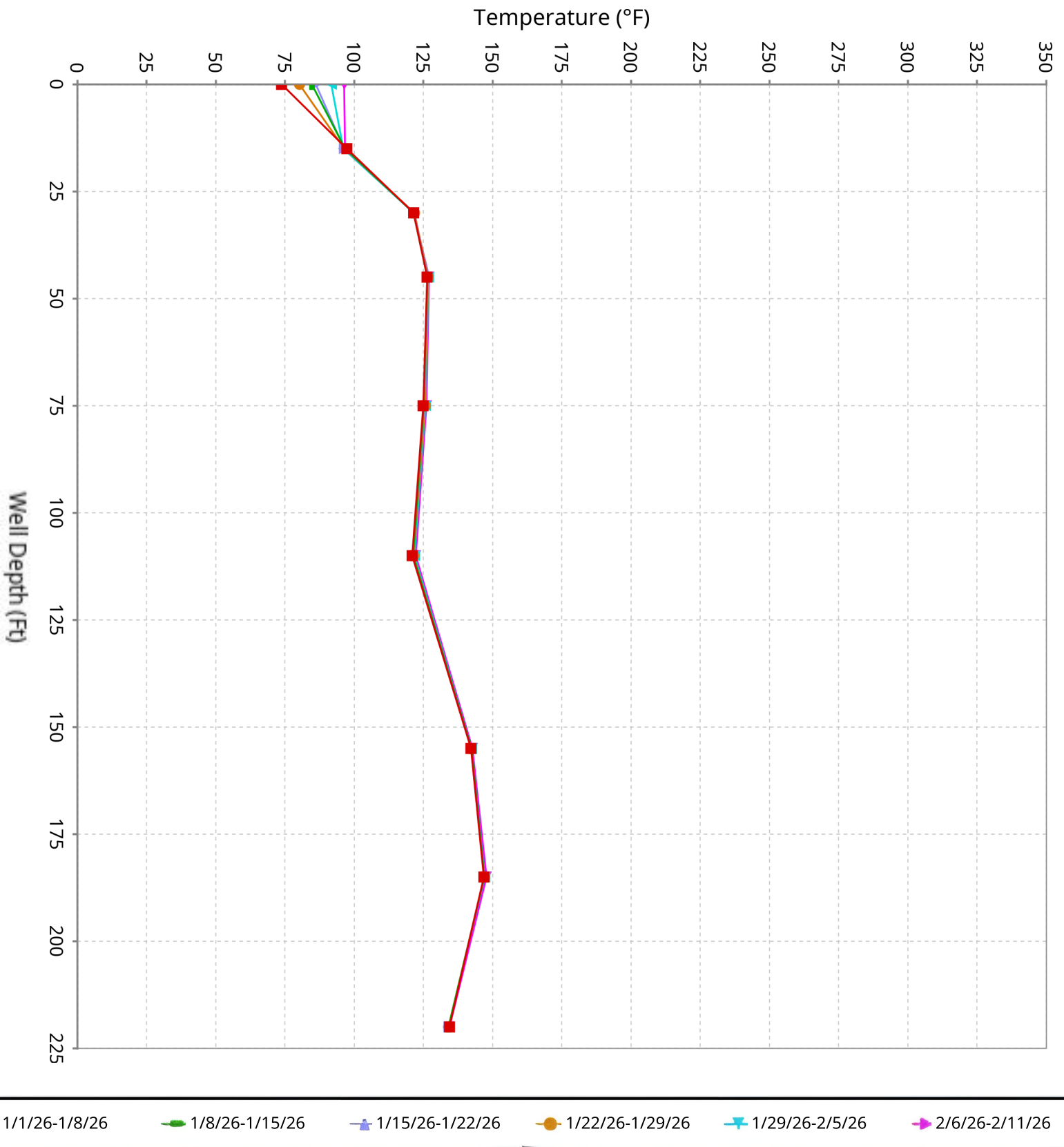
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-39


Maximum data for 1/1/2026 to 2/11/2026



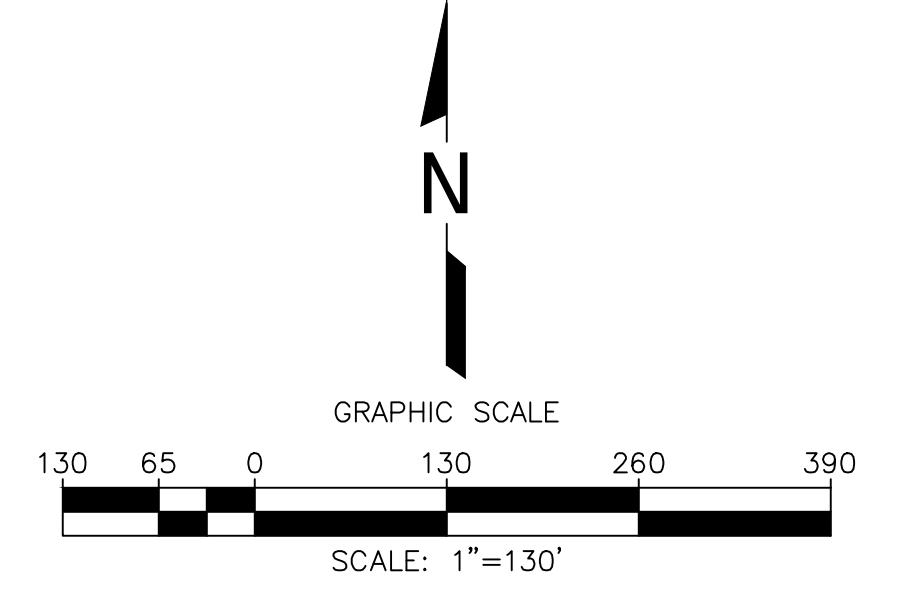
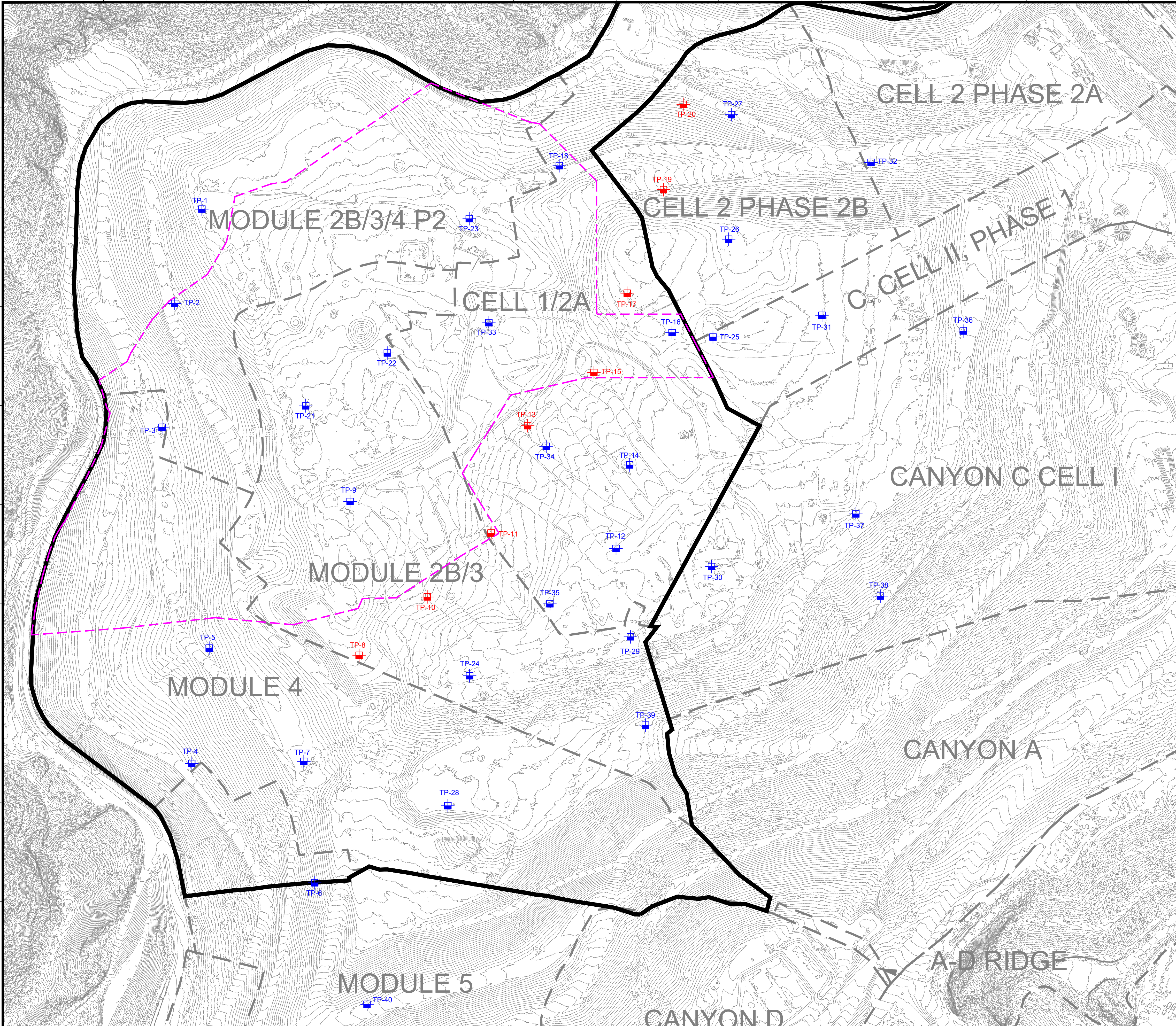
Vertical Temperature Profiles from Temperature Probes at Chiquita Landfill for TP-40

Maximum data for 1/1/2026 to 2/11/2026





Appendix C
Temperature Monitoring Probe Site Map



LEGEND

	EXISTING TOPOGRAPHIC CONTOUR
	EXISTING CELL LIMITS (APPROXIMATE)
	INSTALLED TEMPERATURE PROBES - STANDALONE
	INSTALLED TEMPERATURE PROBES - INSTALLED WITHIN WELL CASING
	REACTION AREA BOUNDARY (APPROXIMATE) - BASED ON DATA REVIEW
	REACTION AREA BOUNDARY - CONDITION 9A

NO.	REVISION	DATE

SHEET TITLE:	EXISTING TEMPERATURE PROBE MAP
PROJECT TITLE:	CHICUITA CANYON LANDFILL CASTAIC, CALIFORNIA

CLIENT:

CHICUITA CANYON LANDFILL
CASTAIC, CALIFORNIA

DATE:	02/18/2026
SCALE:	AS SHOWN
SHEET:	1

- GENERAL DRAWING NOTES:**
- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLER. AERIAL PHOTOGRAPHY DATED FEBRUARY 10, 2026.
 - NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.