

Bridgeton Landfill, LLC

Weekly Data Submittals

**Required by Section 52.F of Agreed Order, Case No. 13SL-CC01088
Effective May 13, 2013**

Contents:

Attachment A – Leachate Levels in Leachate Collection Sumps

Attachment B – Temperature Monitoring Probe Analytical Charts

Attachment C – Gas Interceptor Wellhead Temperature Graphs

Provided Separately:

- Leachate Level in Leachate Collection Sump Raw Data Excel Spreadsheet**
- Temperature Monitoring Probe Raw Data Excel Spreadsheet**
- Gas Interceptor Well Reading Raw Data Excel Spreadsheet**

September 3, 2014

Commentary on Data

Attachment A – Leachate Levels in Leachate Collection Sumps

LCS-1D, -2D -5A, and -6B were partially or fully operational during the weekly reporting period.

LCS-4B still exhibits excess pressure and liquid ejection, so it has not been fitted with a pump; however, the conditions are resulting in leachate removal from that location. Options for pumping from this location are currently under review.

Attachment B - Temperature Monitoring Probe Analytical Charts

The following TMPs indicated consistent profiles to previous week(s): TMP-1, -2, -3, -4, -6, -8, -9, -10, -11, -12, and -14.

TMP-16, -17 and -18 were installed in August, and consistent sets of readings have been obtained and preliminary graphs have been presented with this weekly report. Measured temperature at the new TMPs ranged from approximately 100°F to 162°F, which is as expected based on the GEW gas wellhead temperatures in the vicinity of these new TMPs. Previous analyses (see Note 1) have shown that maximum TMP values are typically 40°F to 45°F higher than wellhead temperatures in nearby gas wells, as was observed with the new TMPs.

Attachment C - Gas Interceptor Wellhead Temperature Graphs

The fluctuation in wellhead gas temperatures can be attributed to variation in available vacuum, gas flow and ambient temperatures at the respective well.

Each gas interceptor well remained relatively consistent or lower with regards to gas wellhead temperatures previously measured at each location.

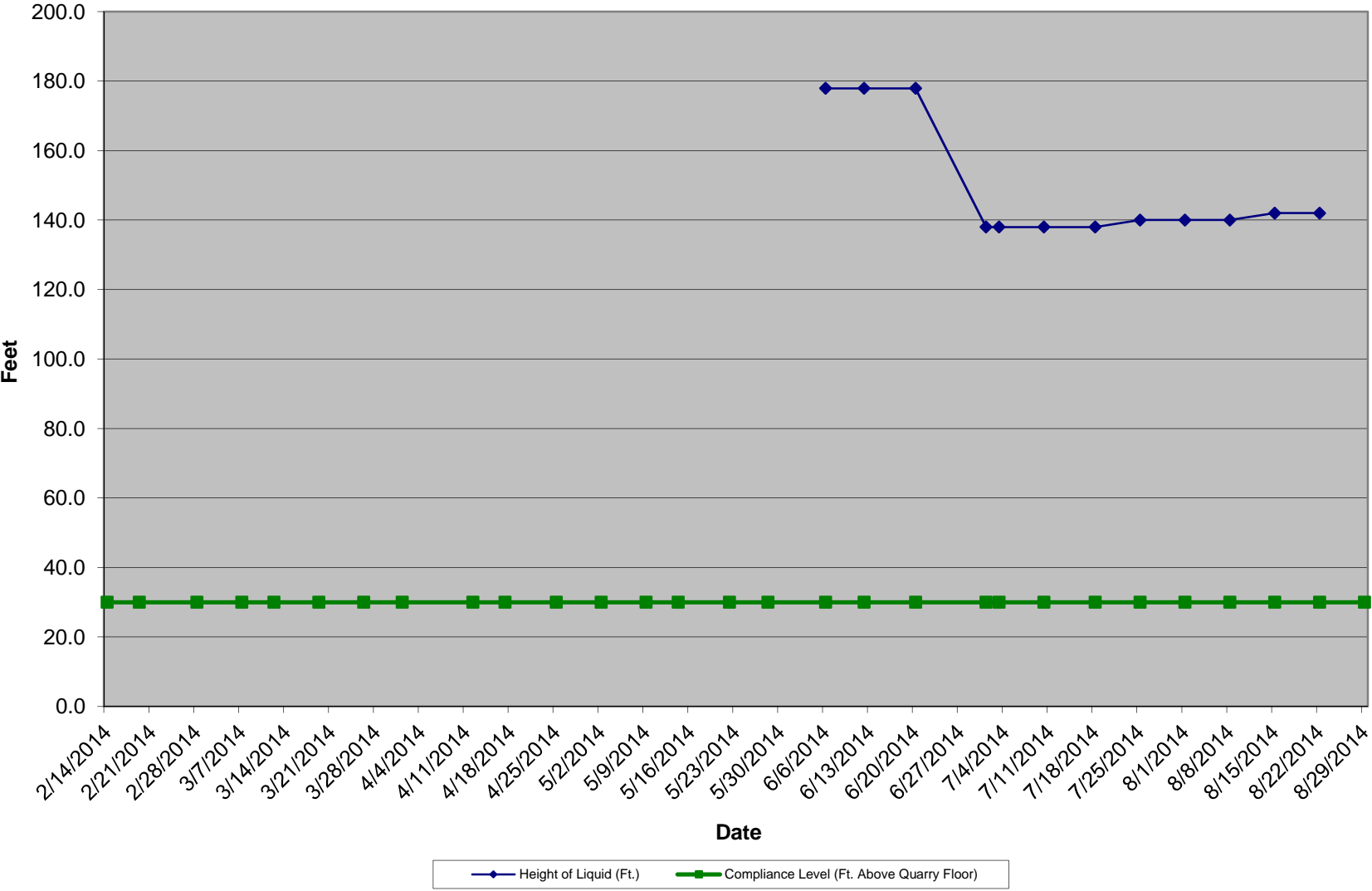
The water circulation cooling loop is currently installed in GIW-4.

- 1) Reference: Appendix E in “North Quarry Contingency Plan – Part 1,” submitted August 13, 2013.

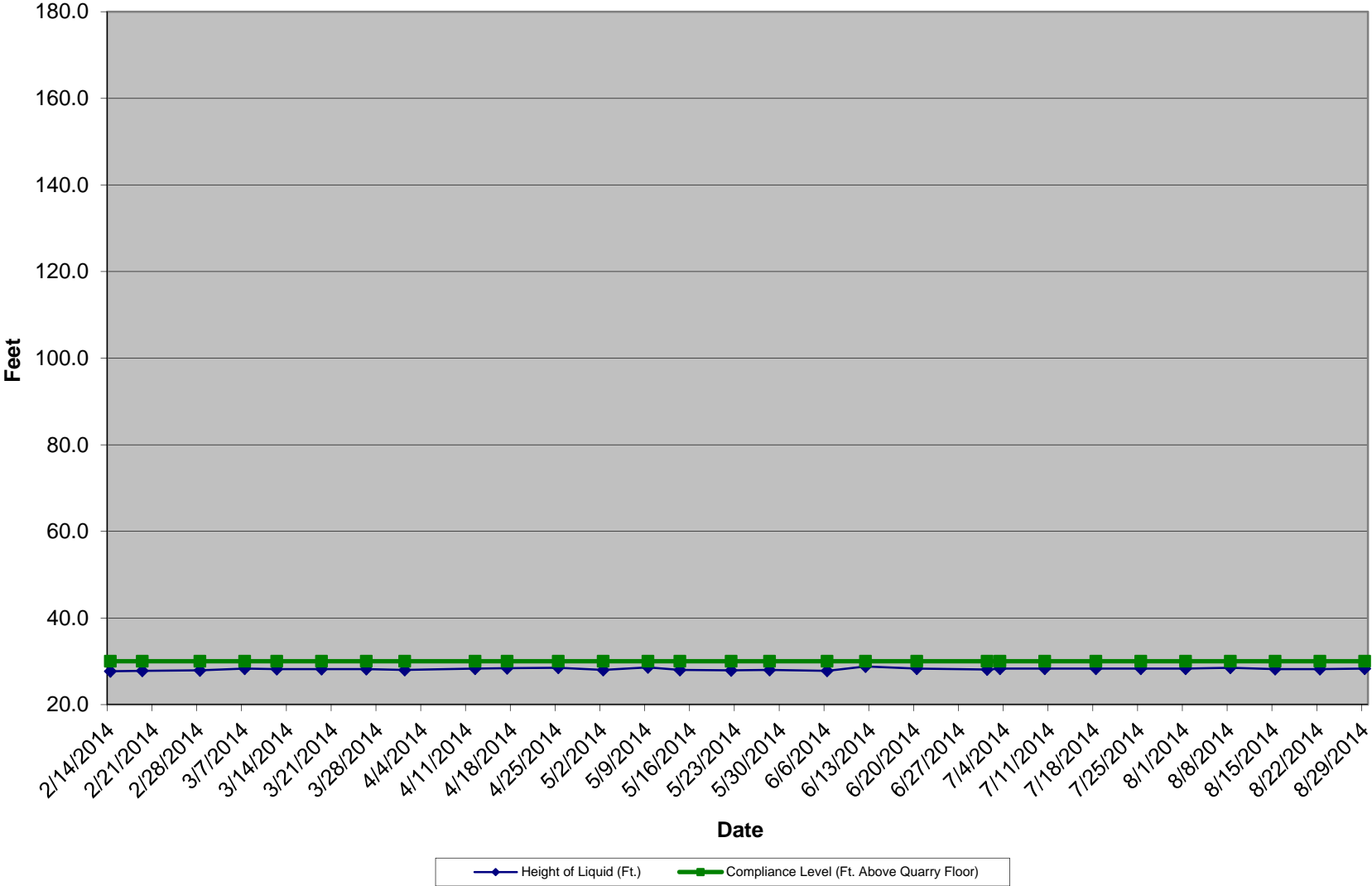
ATTACHMENT A

LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS

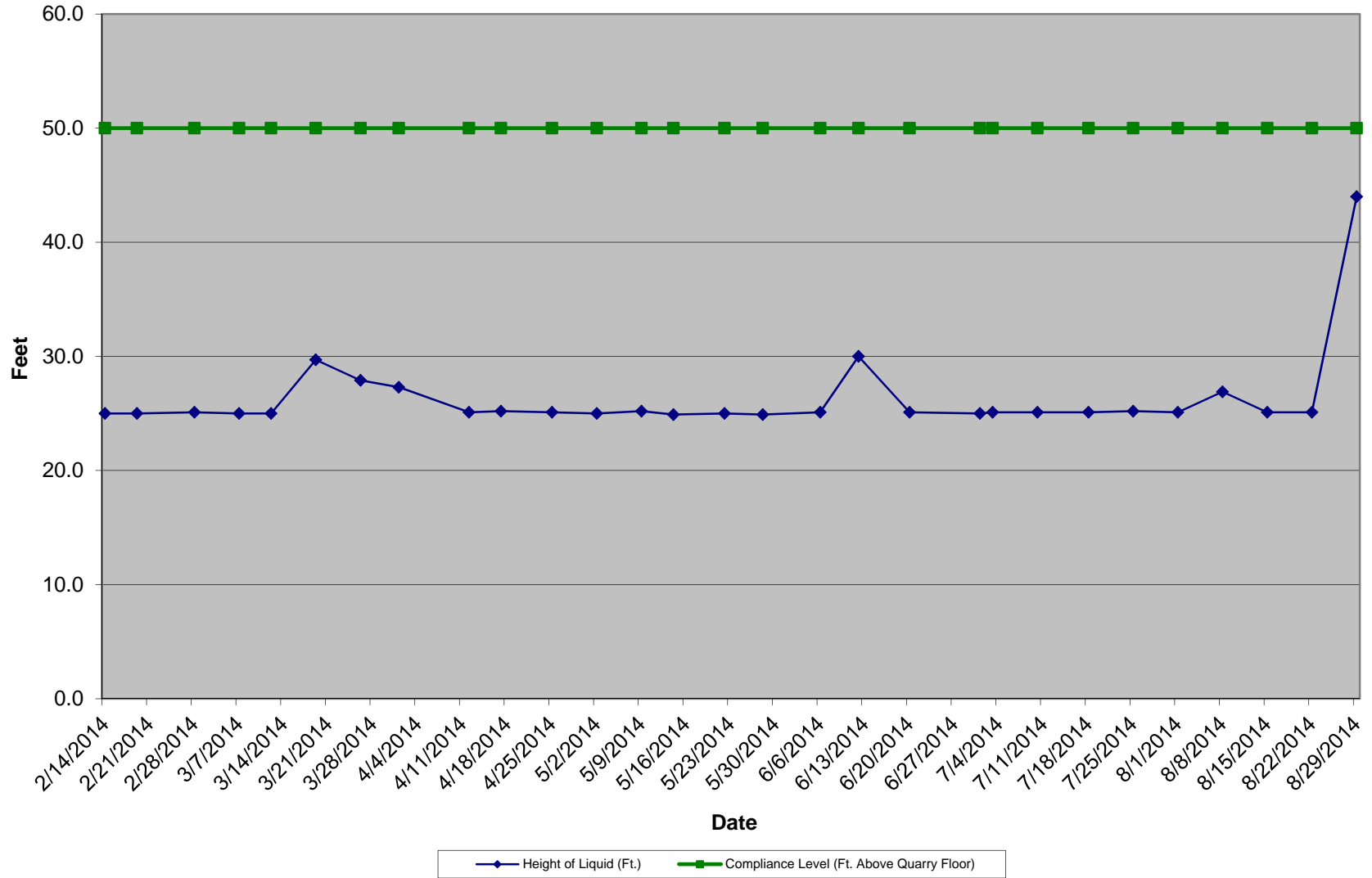
LCS-1D Liquid Level Above Quarry Floor



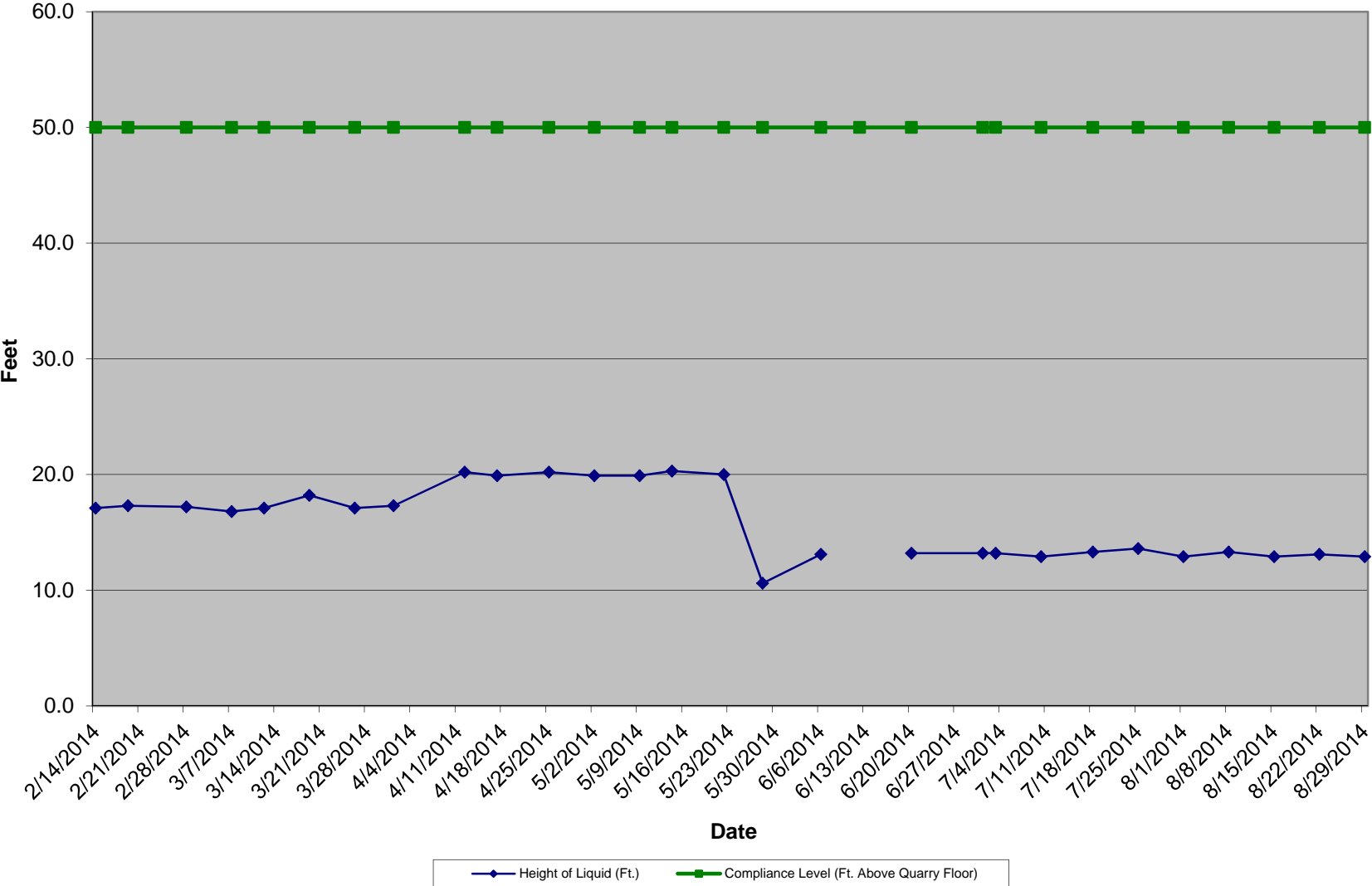
LCS-2D Liquid Level Above Quarry Floor



LCS-5A Liquid Level Above Quarry Floor



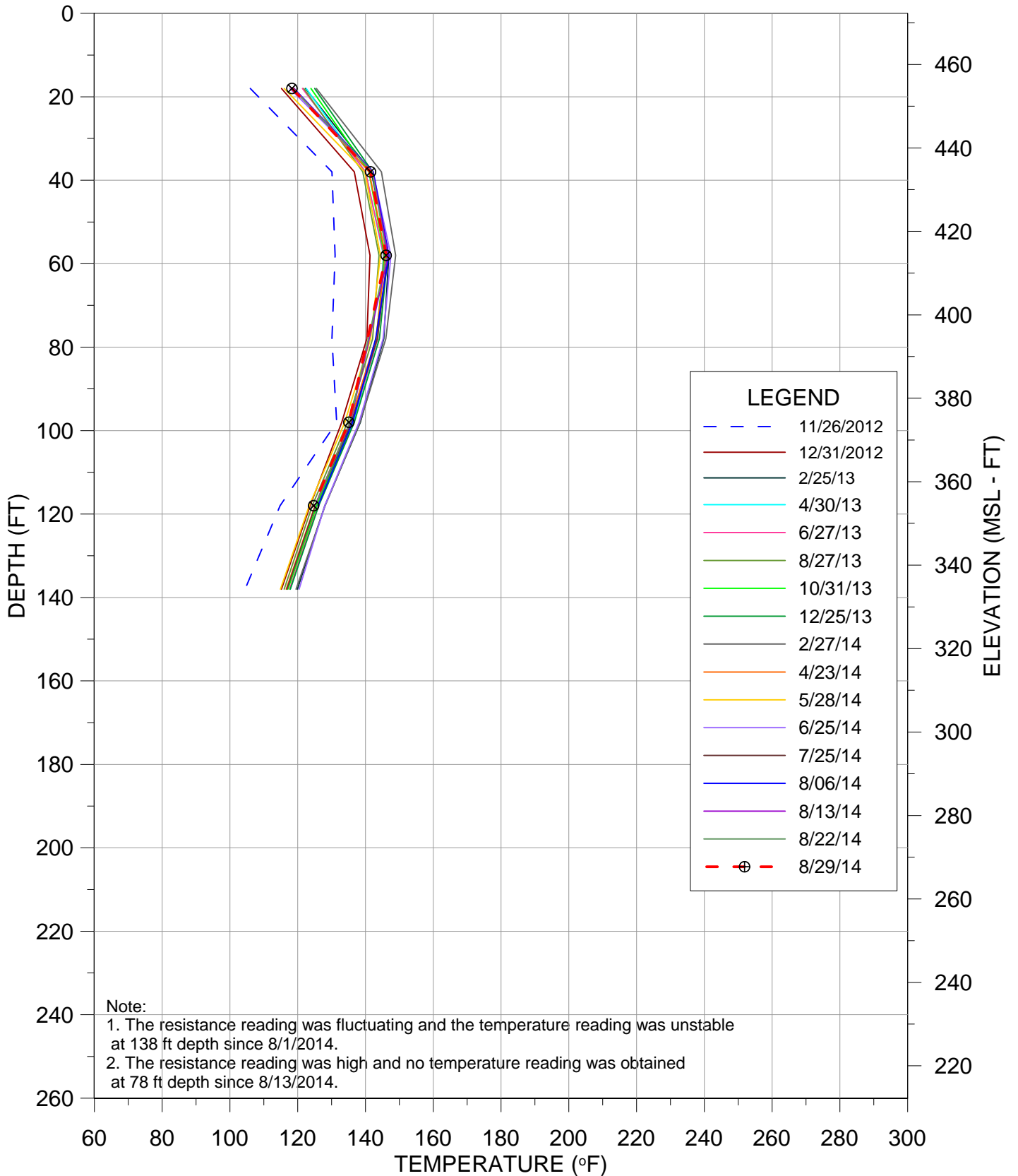
LCS-6B Liquid Level Above Quarry Floor



ATTACHMENT B

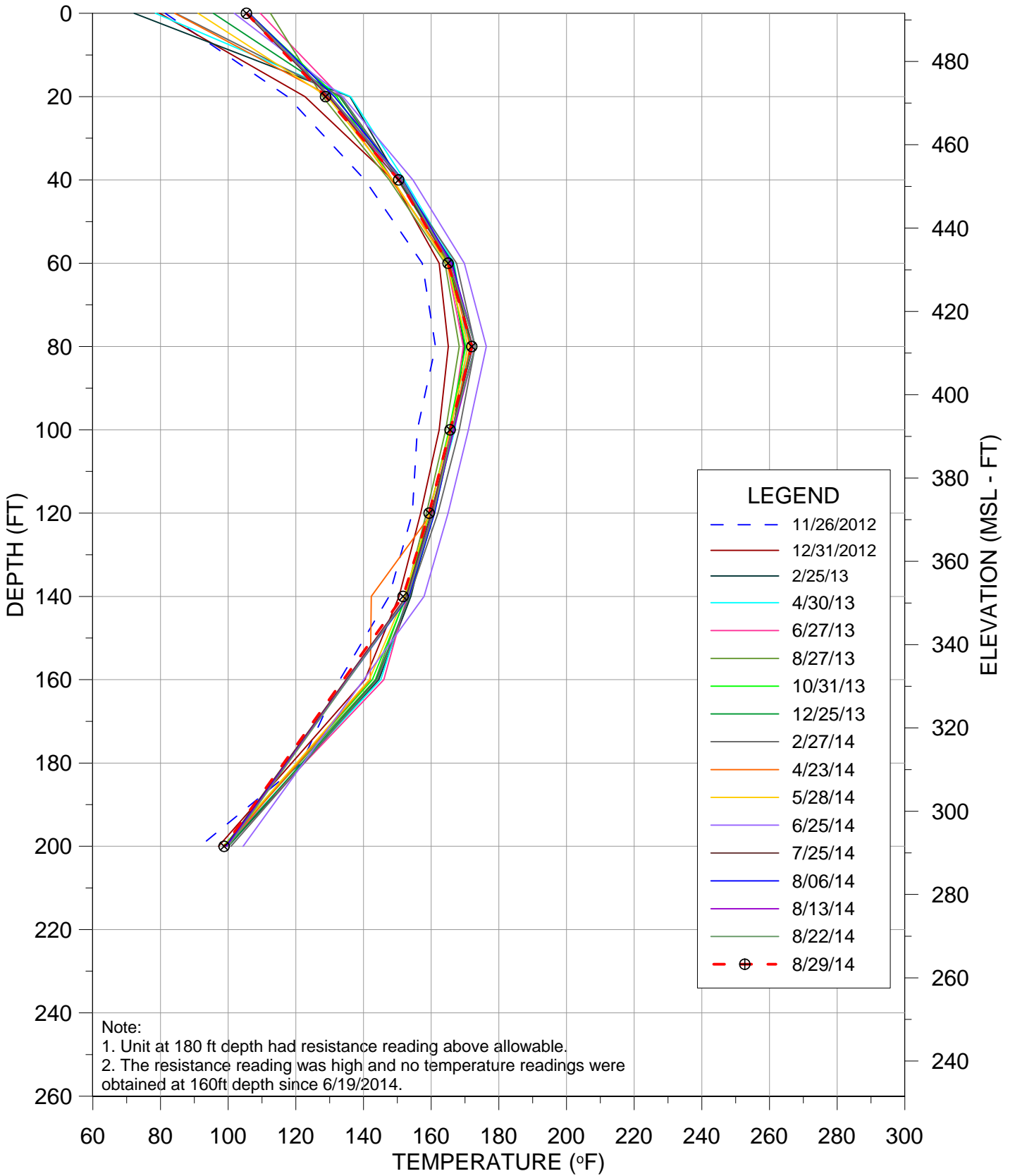
TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS

TMP-1



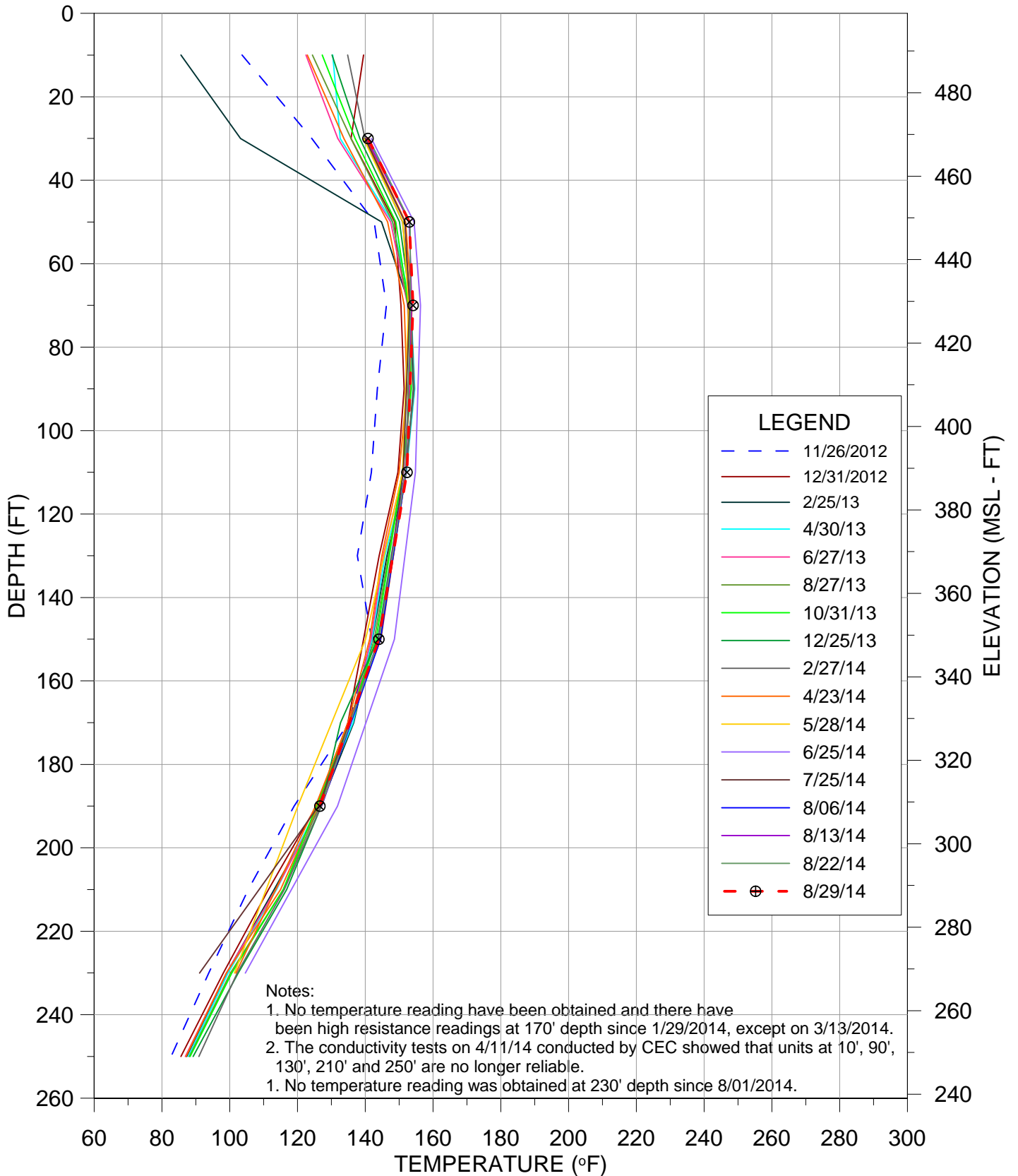
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-2



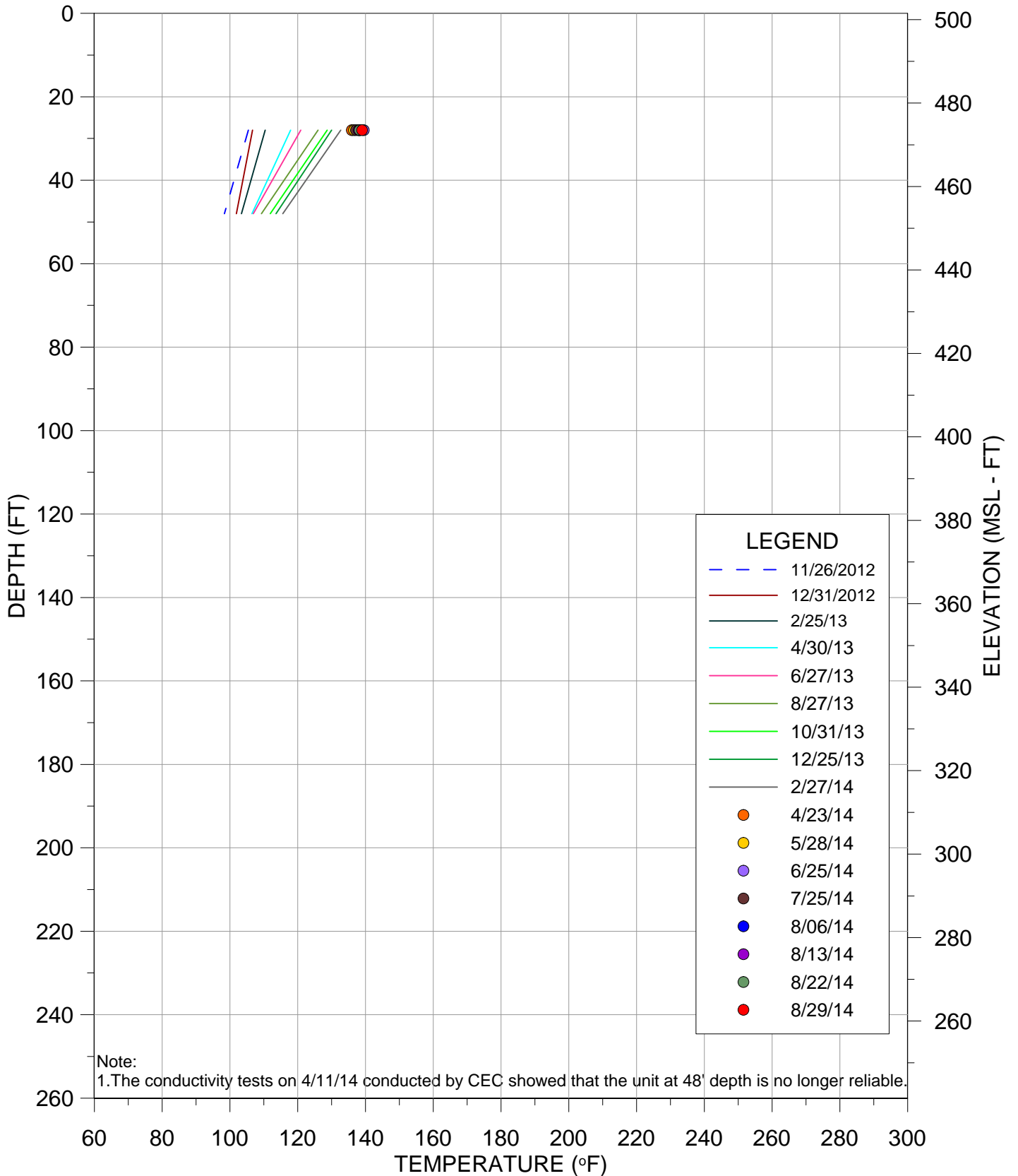
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-3



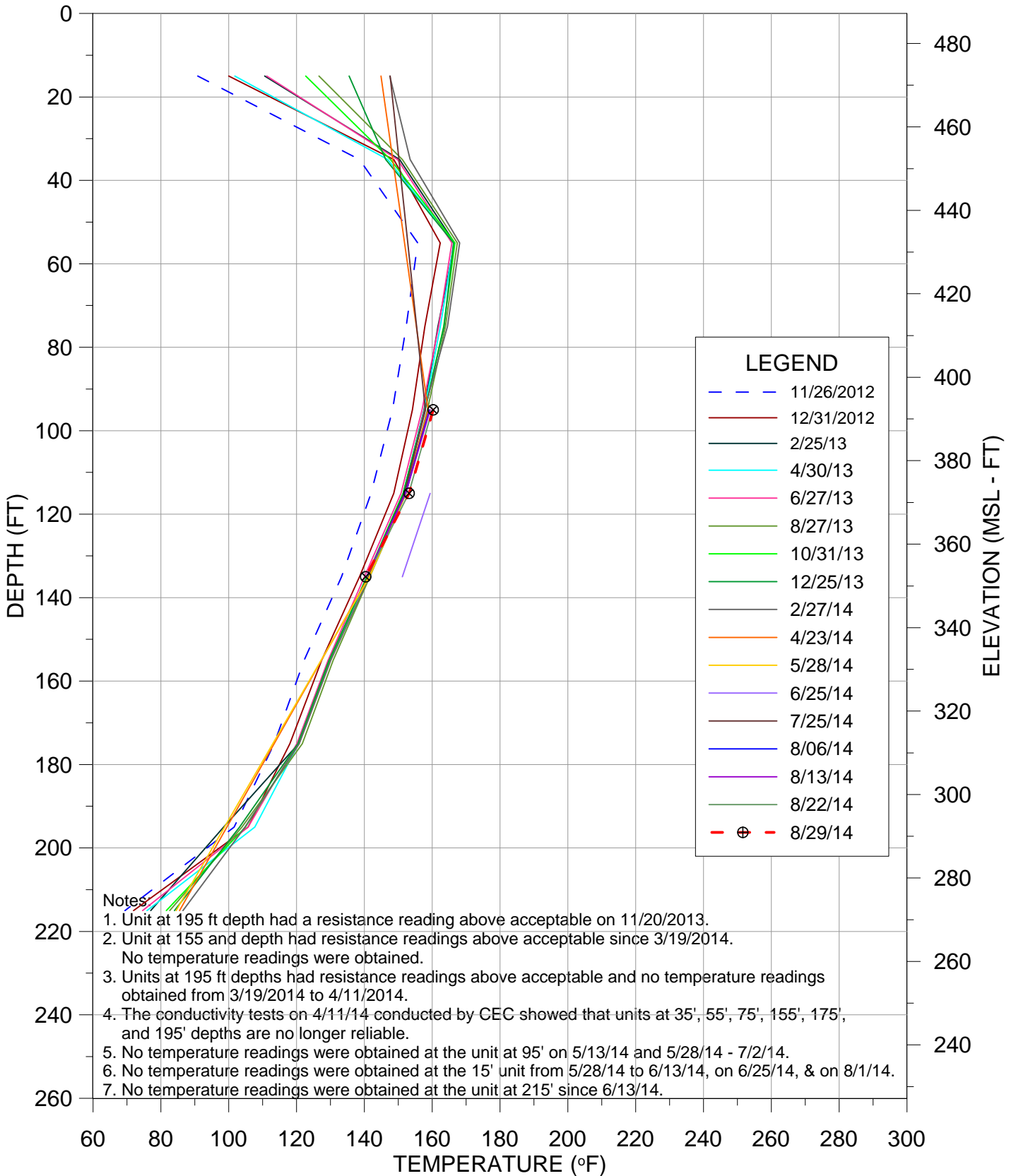
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-4

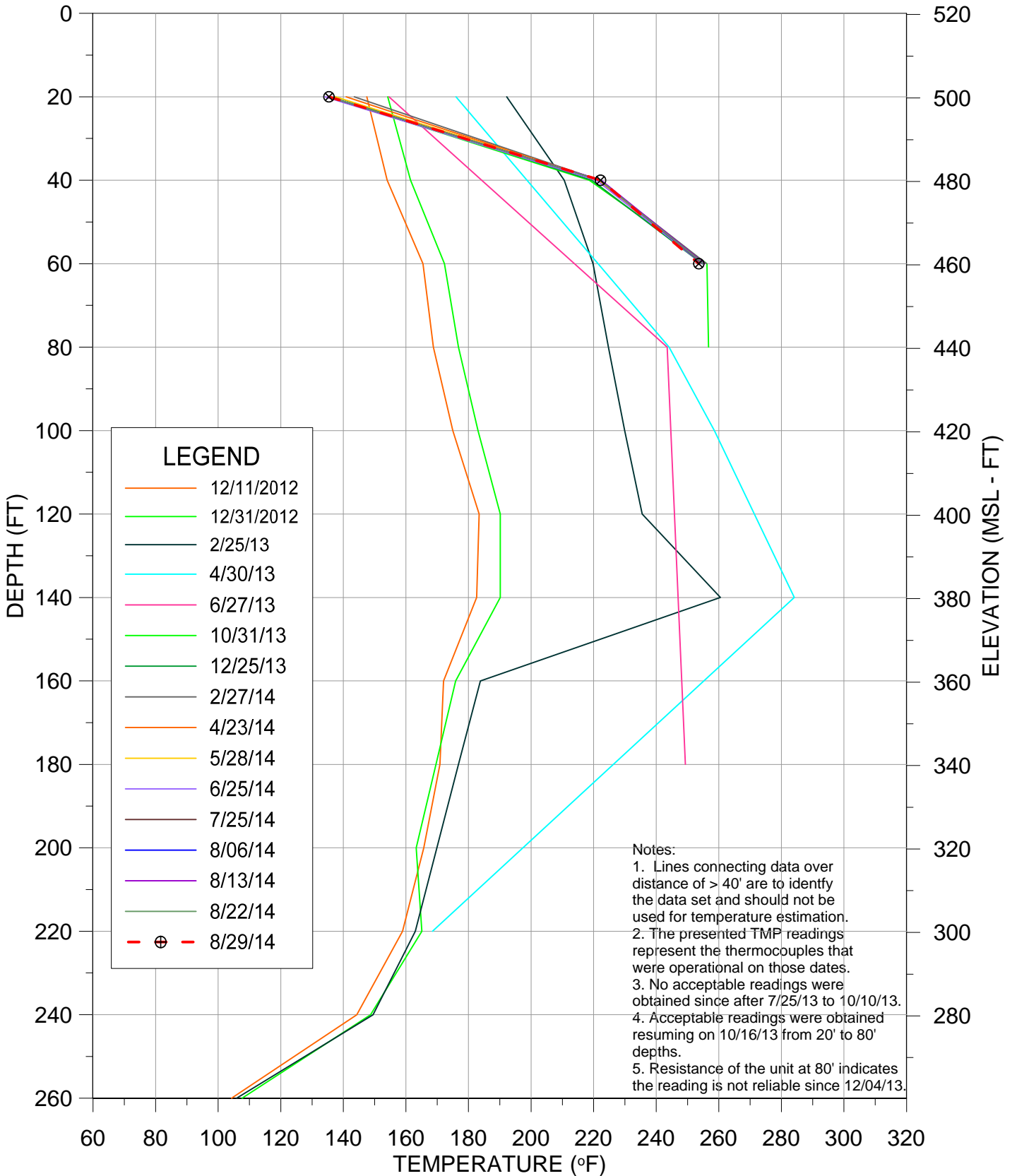


TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-6

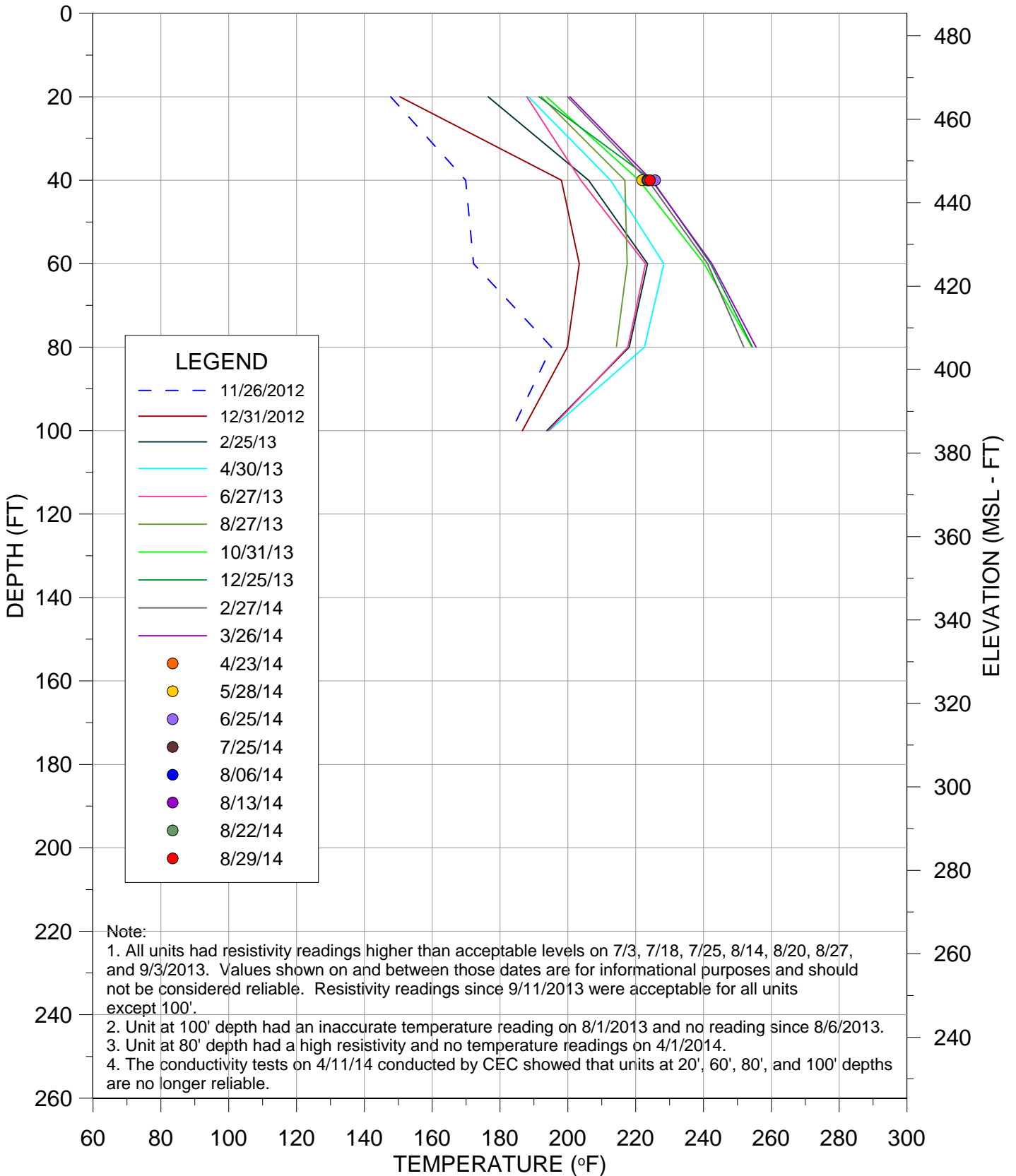


TMP-8



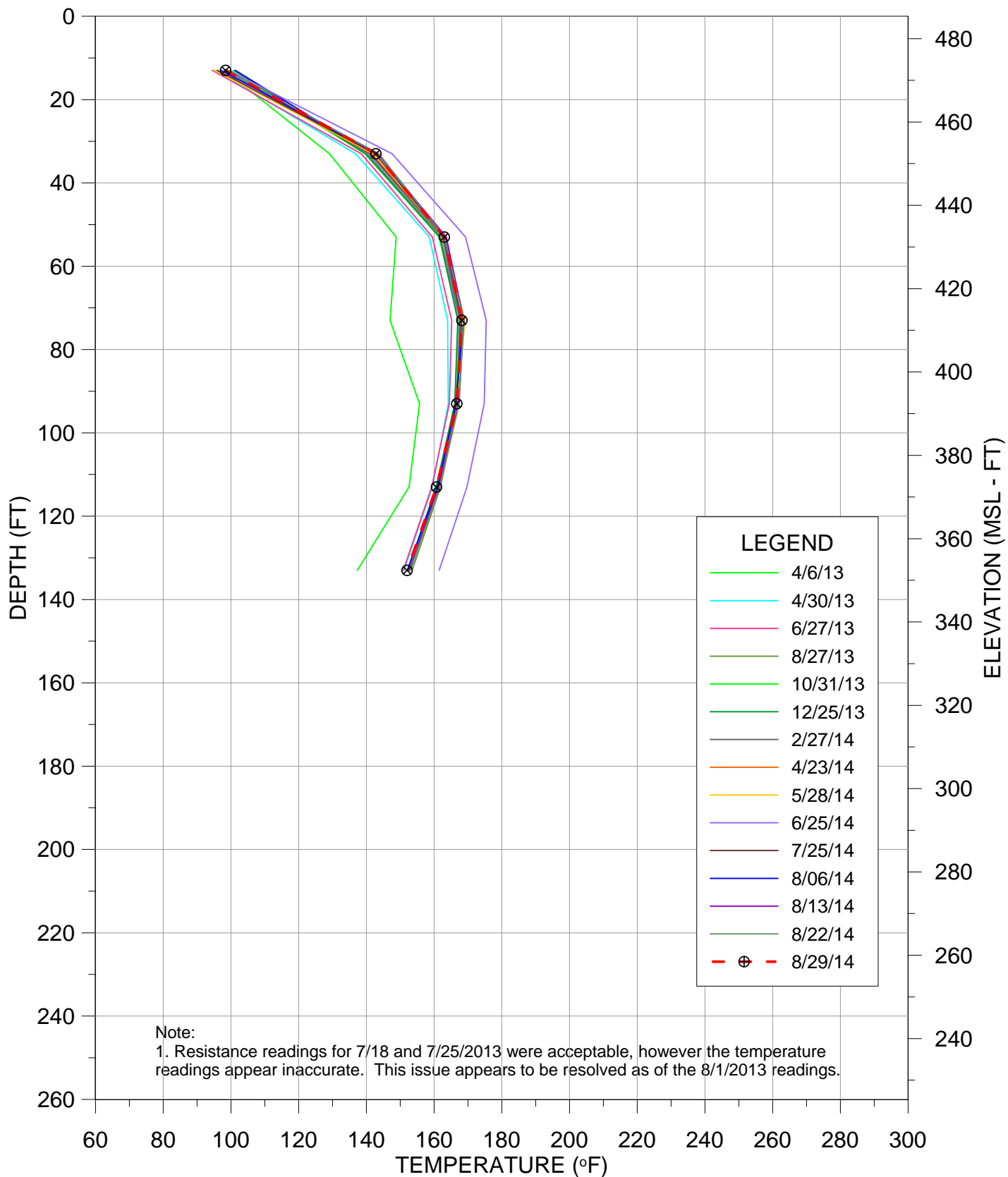
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-9



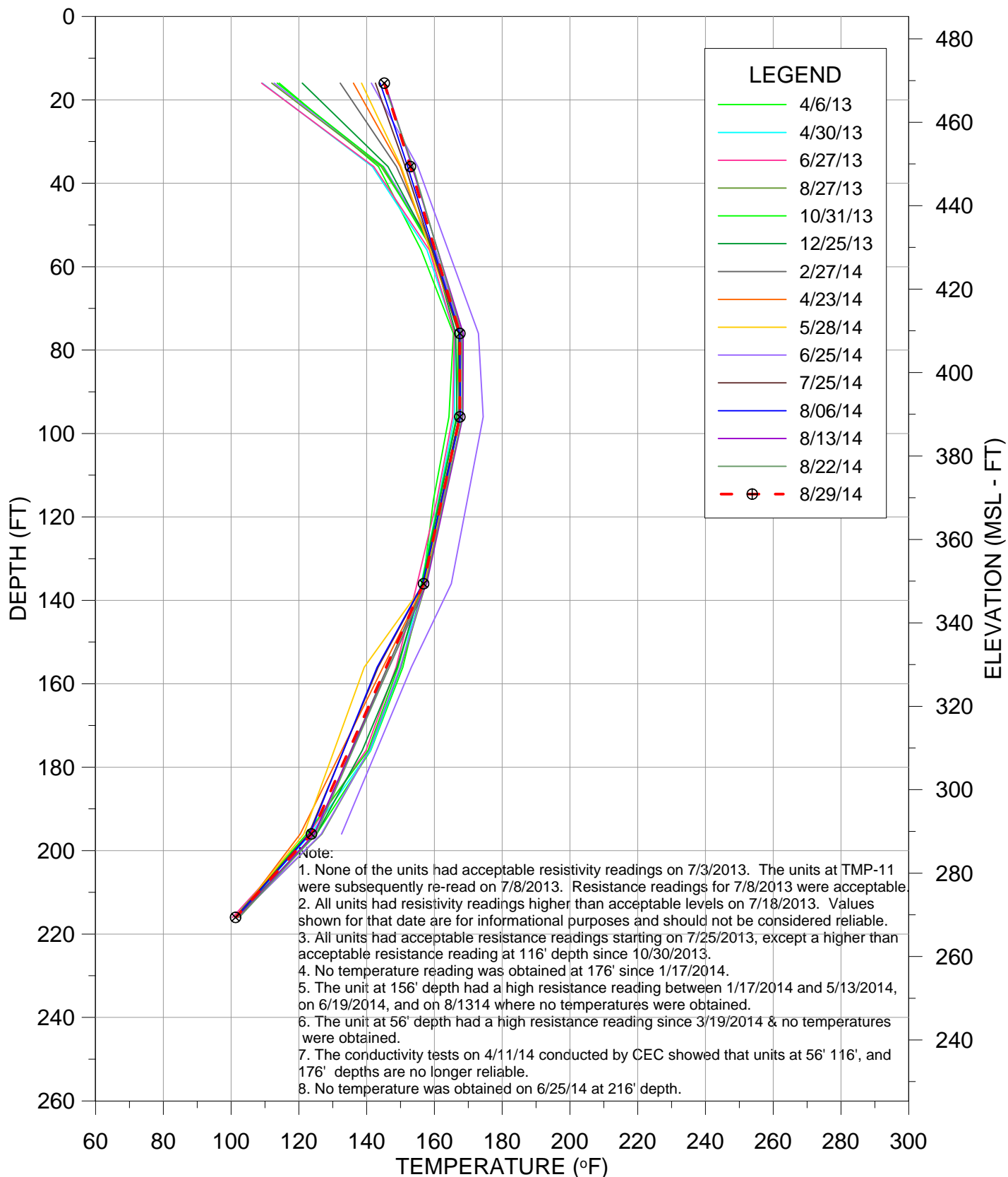
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-10



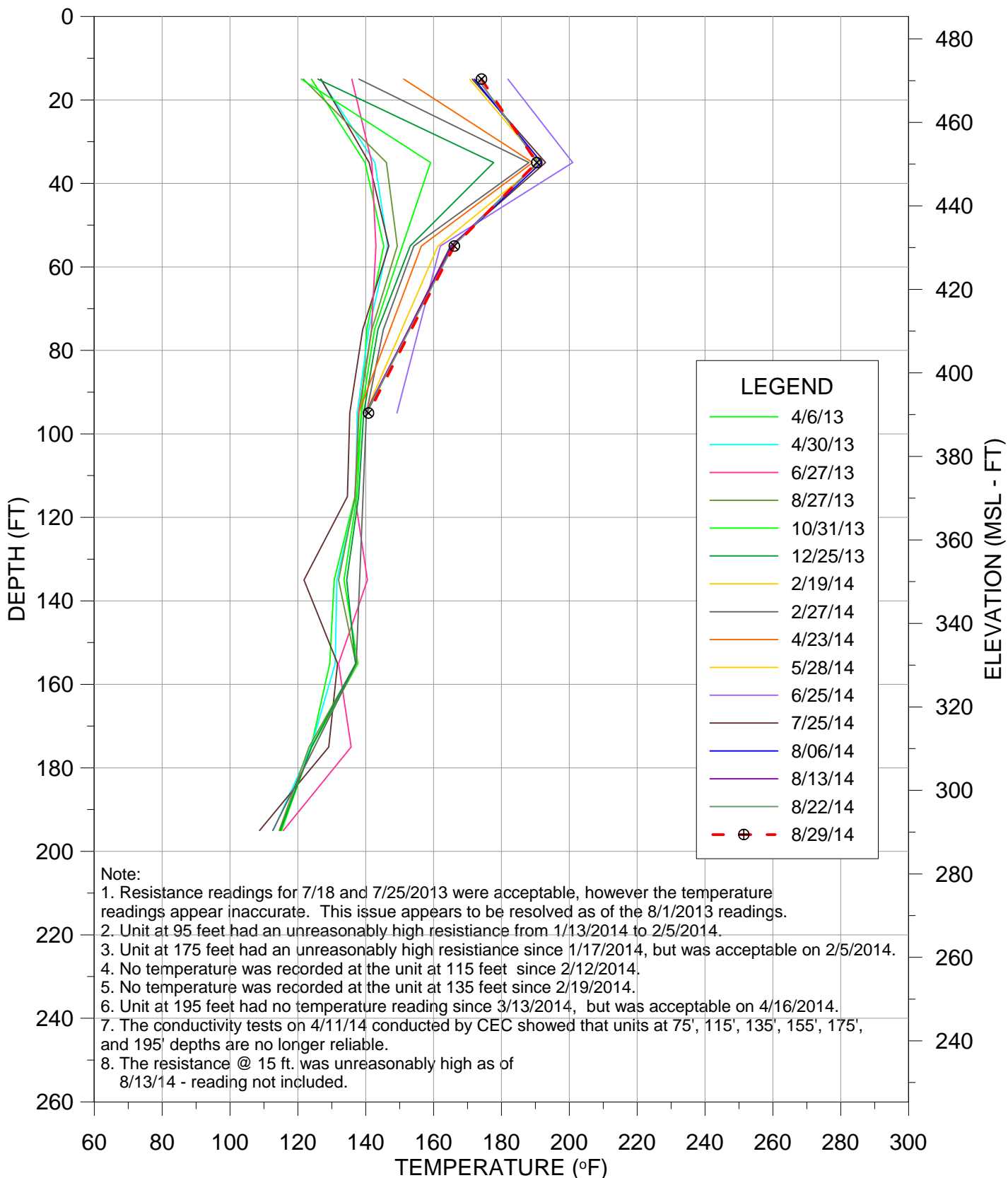
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-11



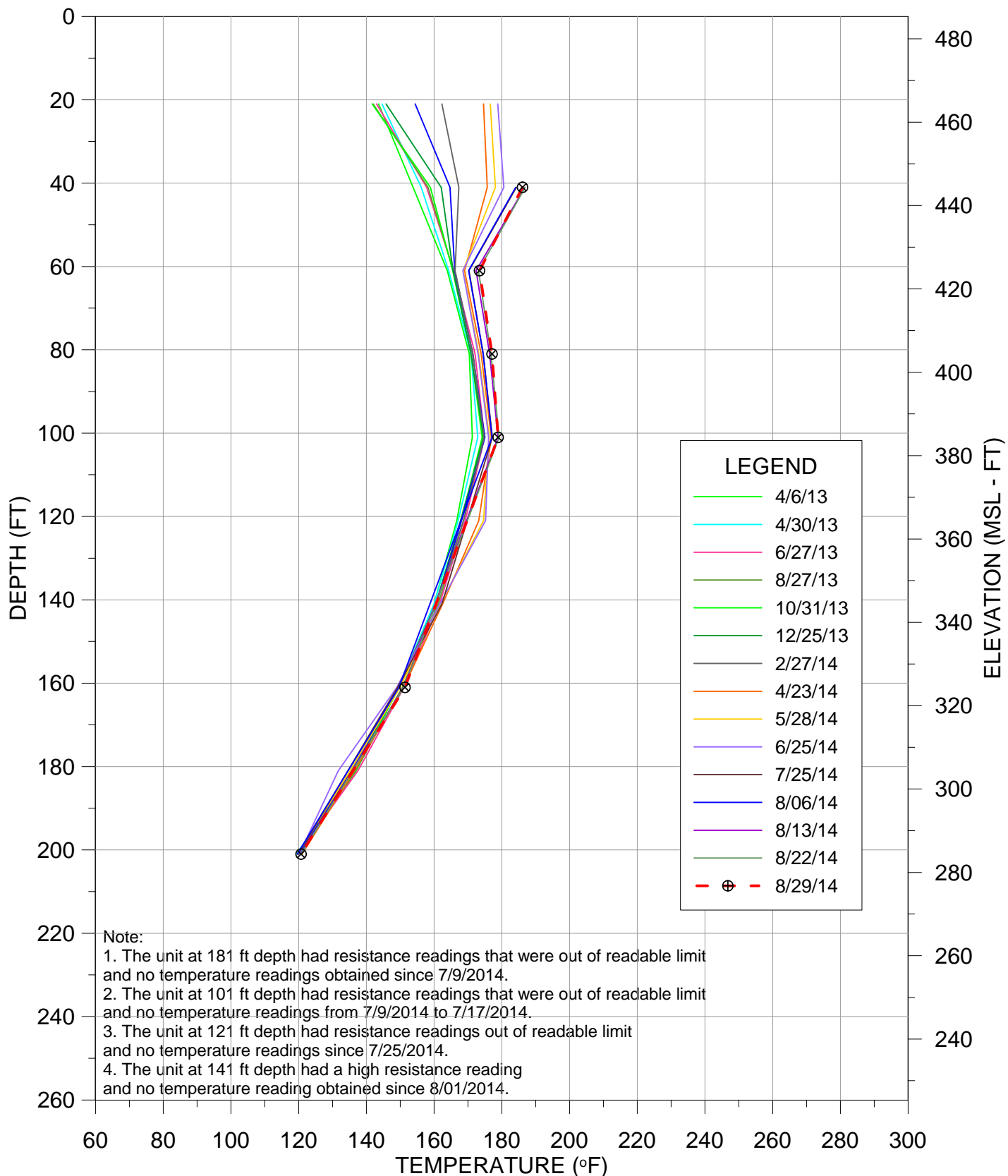
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-12



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-14

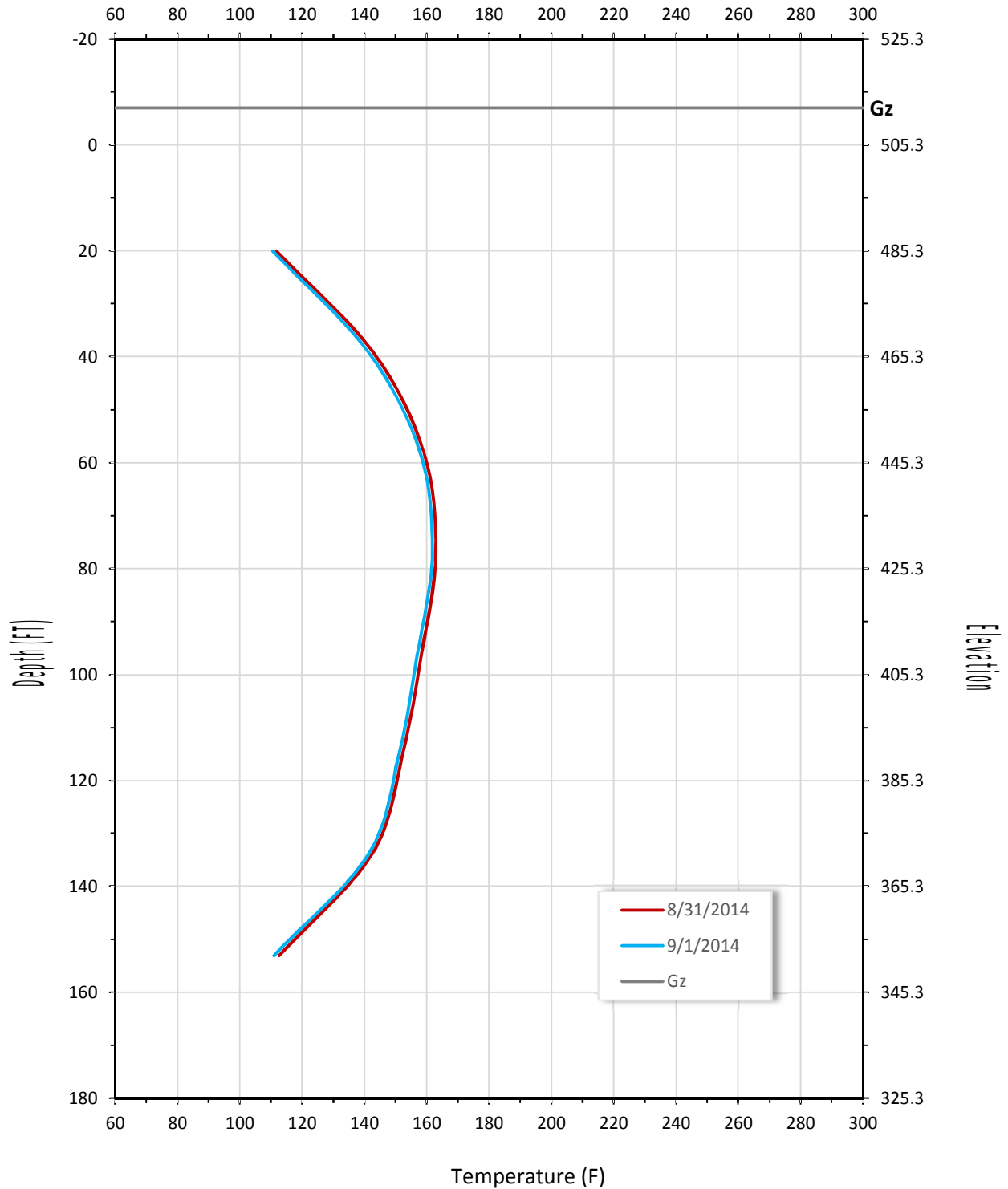


TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP 16 Temperature vs Depth

Ground Elevation (Gz) - 512.3

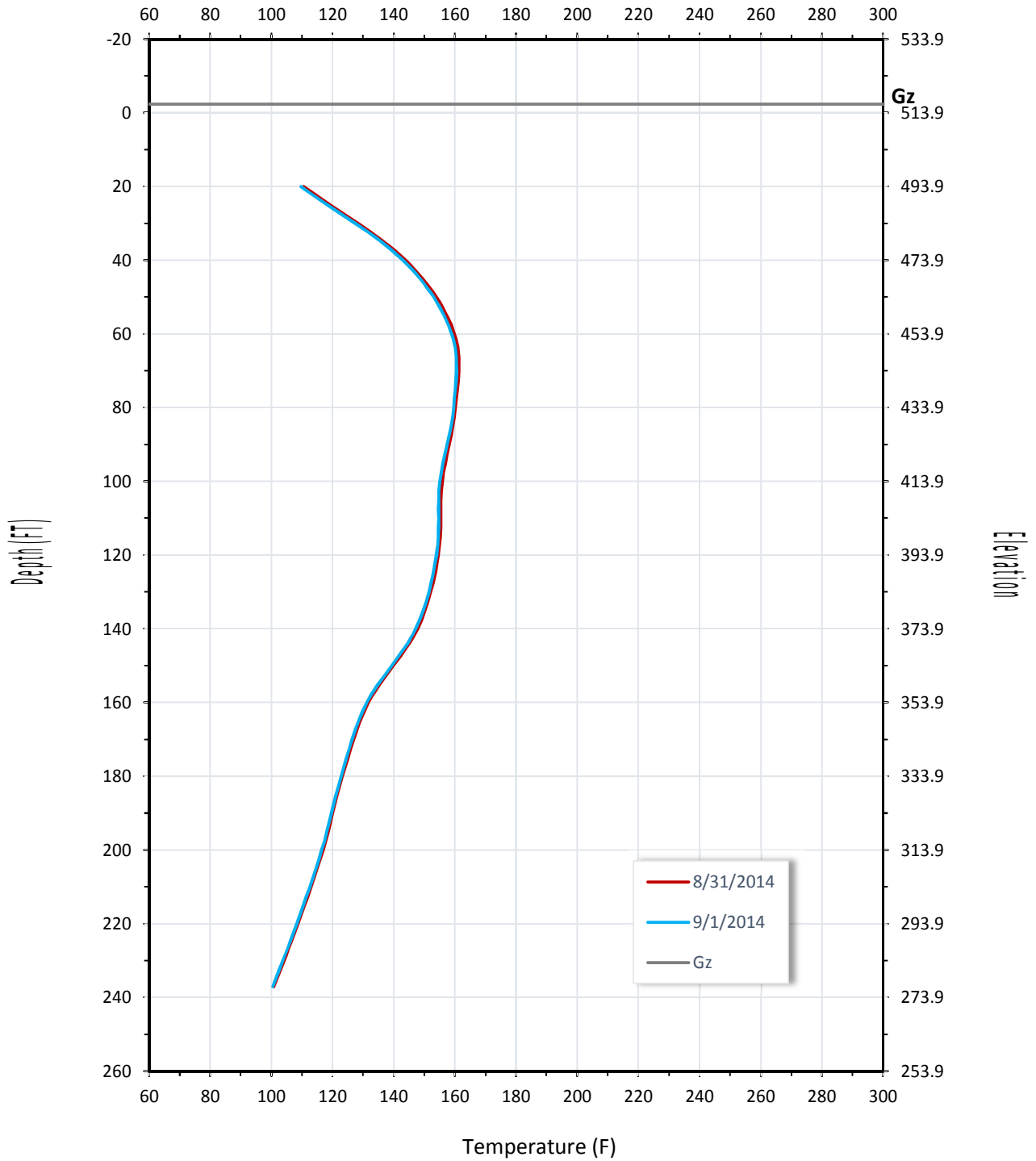
Zero Elevation (Zz) - 505.3



Tmp 17 Temperature vs Depth

Ground Elevation (Gz) - 516.3

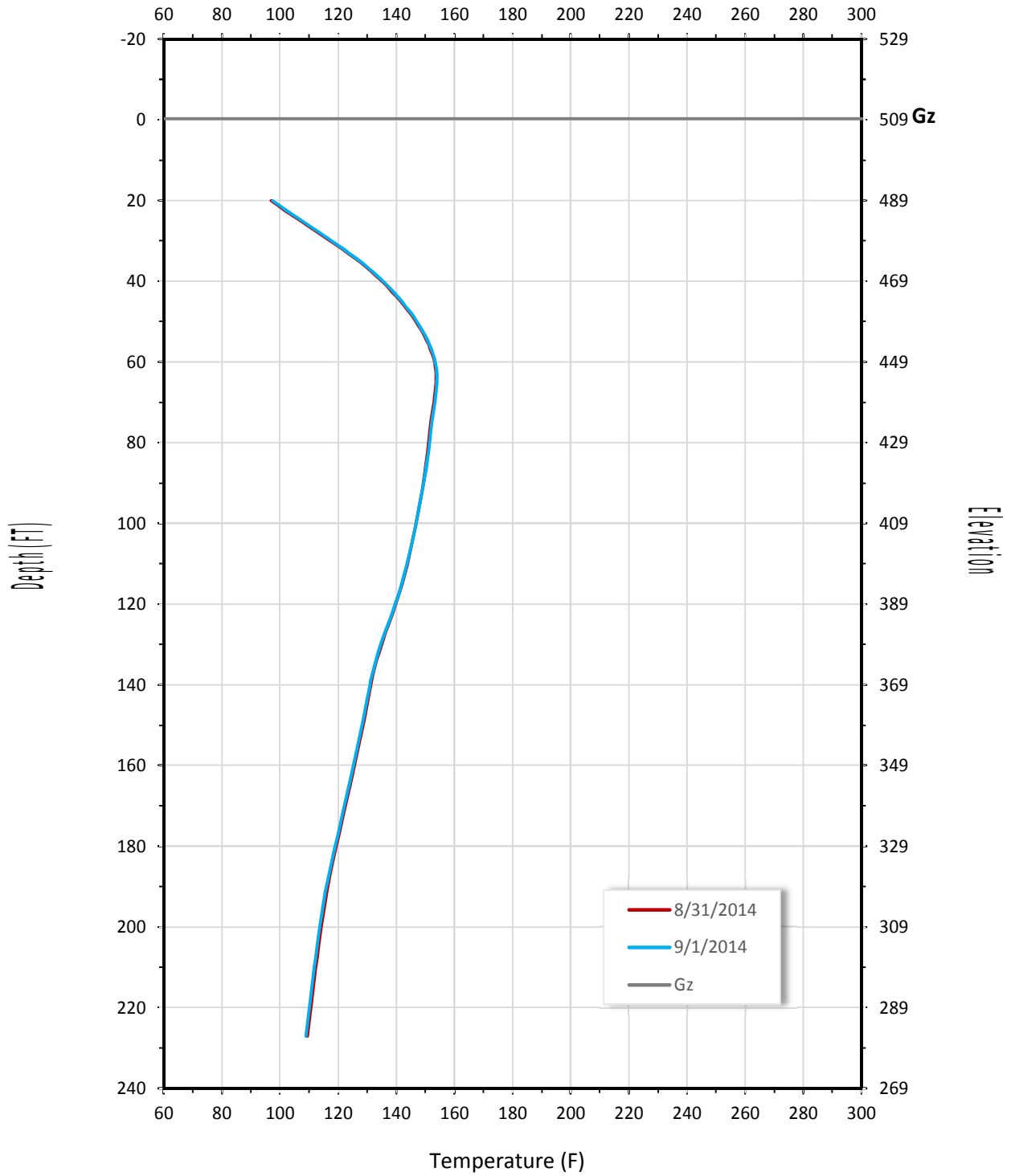
Zero Elevation (Zz) - 513.9



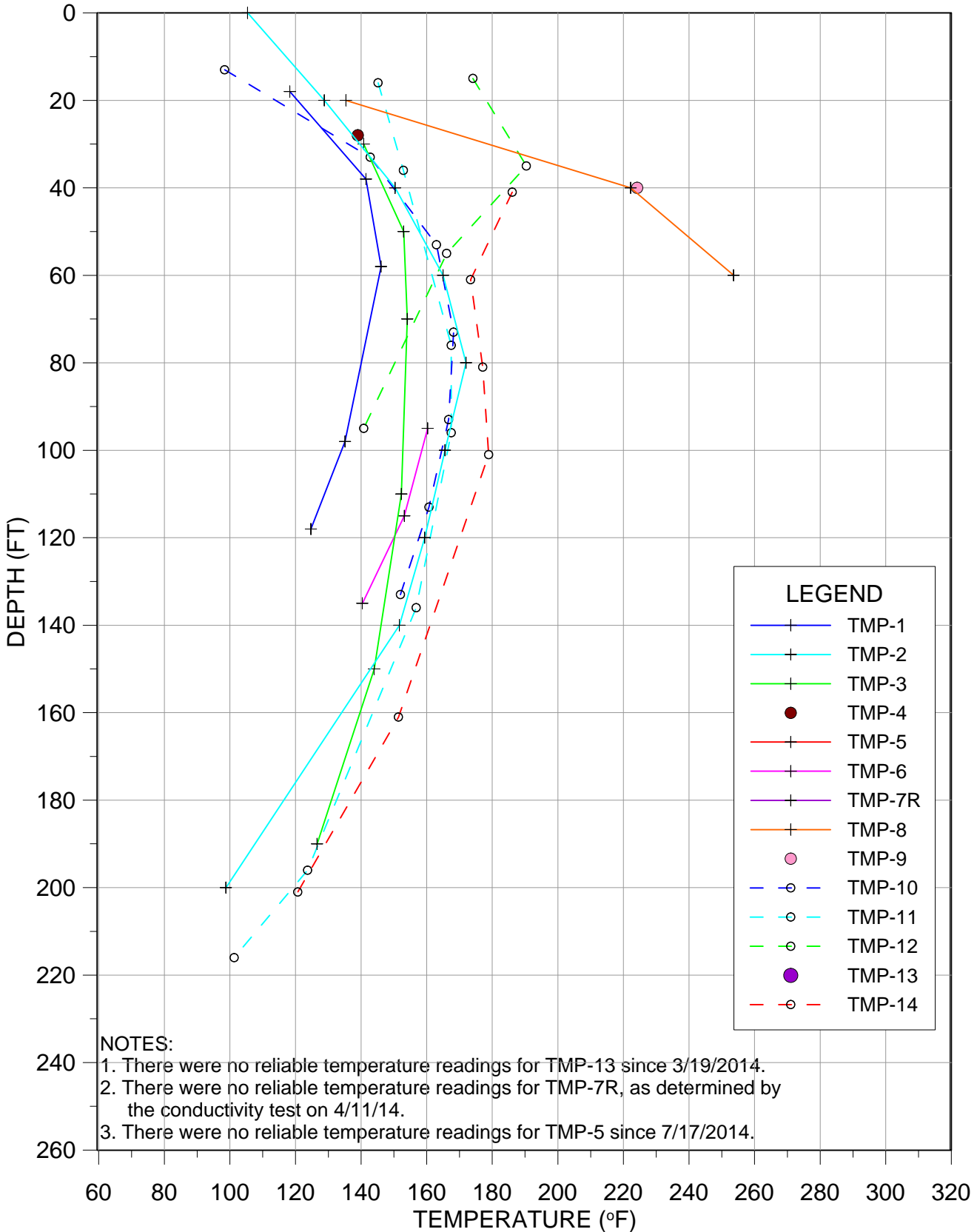
TMP 18 Temperature vs Depth

Ground Elevation (Gz) - 509.3

Zero Elevation (Zz) - 509.0

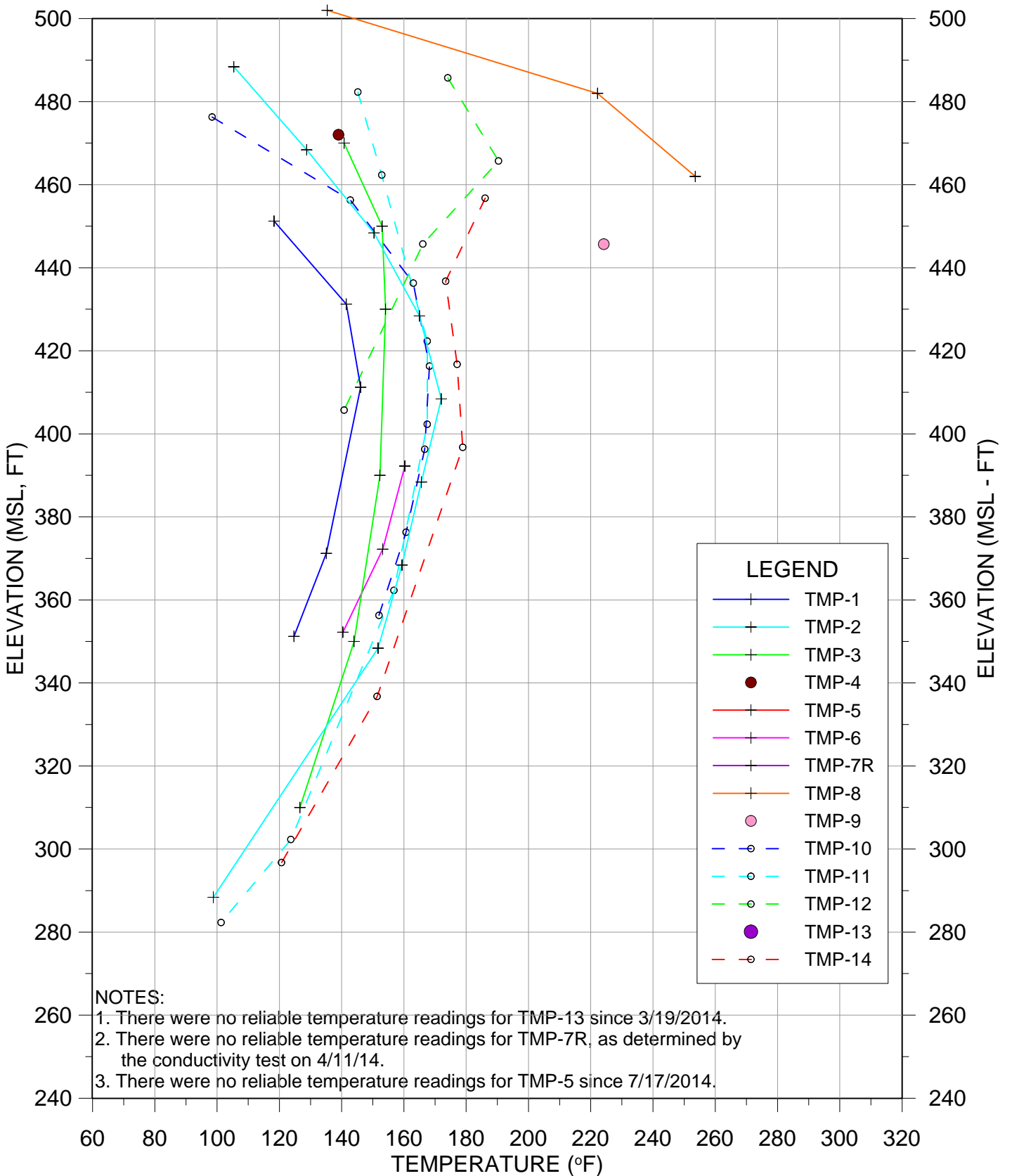


08/29/2014 -DEPTH

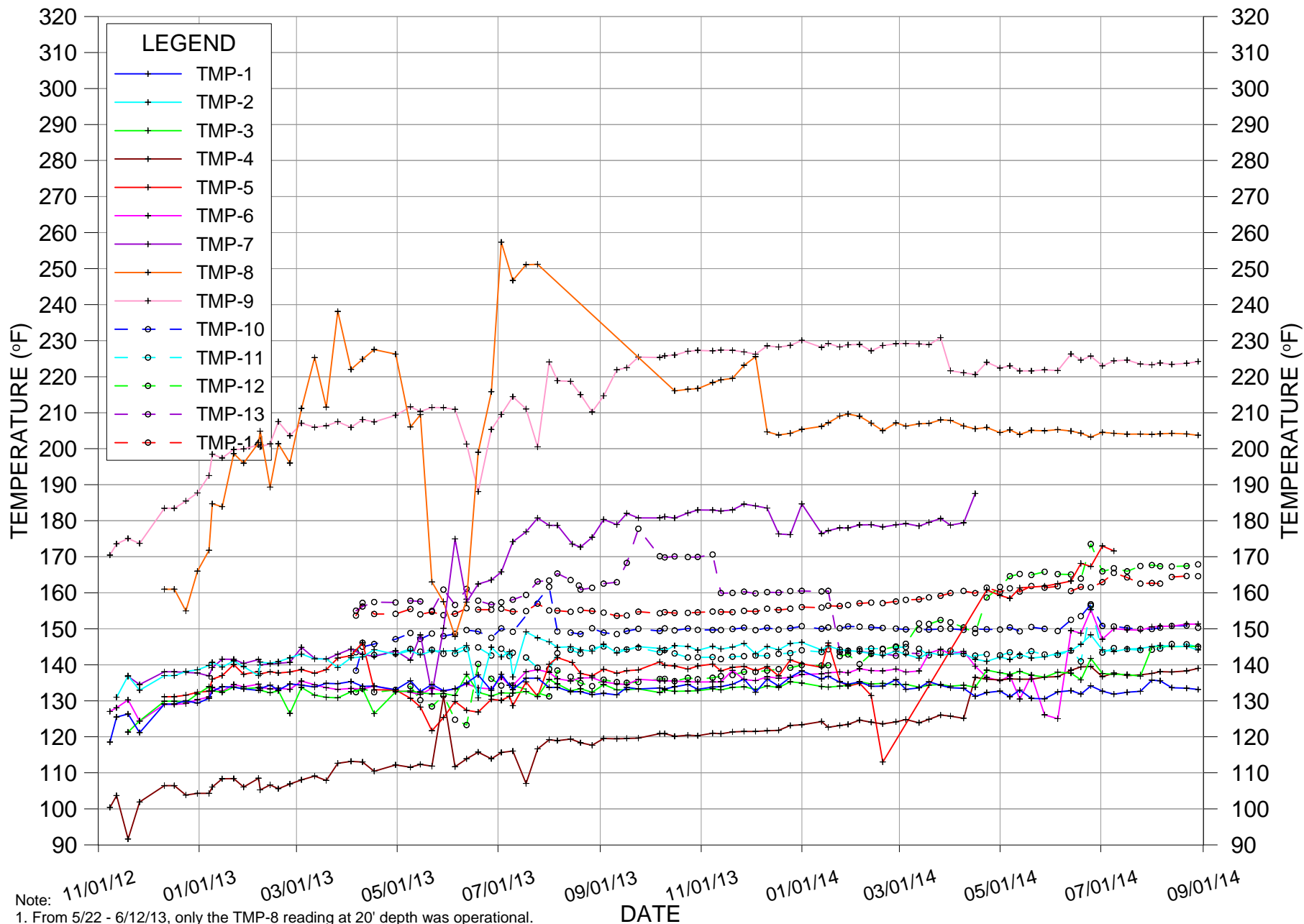


NOTES:
 1. There were no reliable temperature readings for TMP-13 since 3/19/2014.
 2. There were no reliable temperature readings for TMP-7R, as determined by the conductivity test on 4/11/14.
 3. There were no reliable temperature readings for TMP-5 since 7/17/2014.

08/29/2014 - ELEVATION



AVERAGE TEMPERATURES

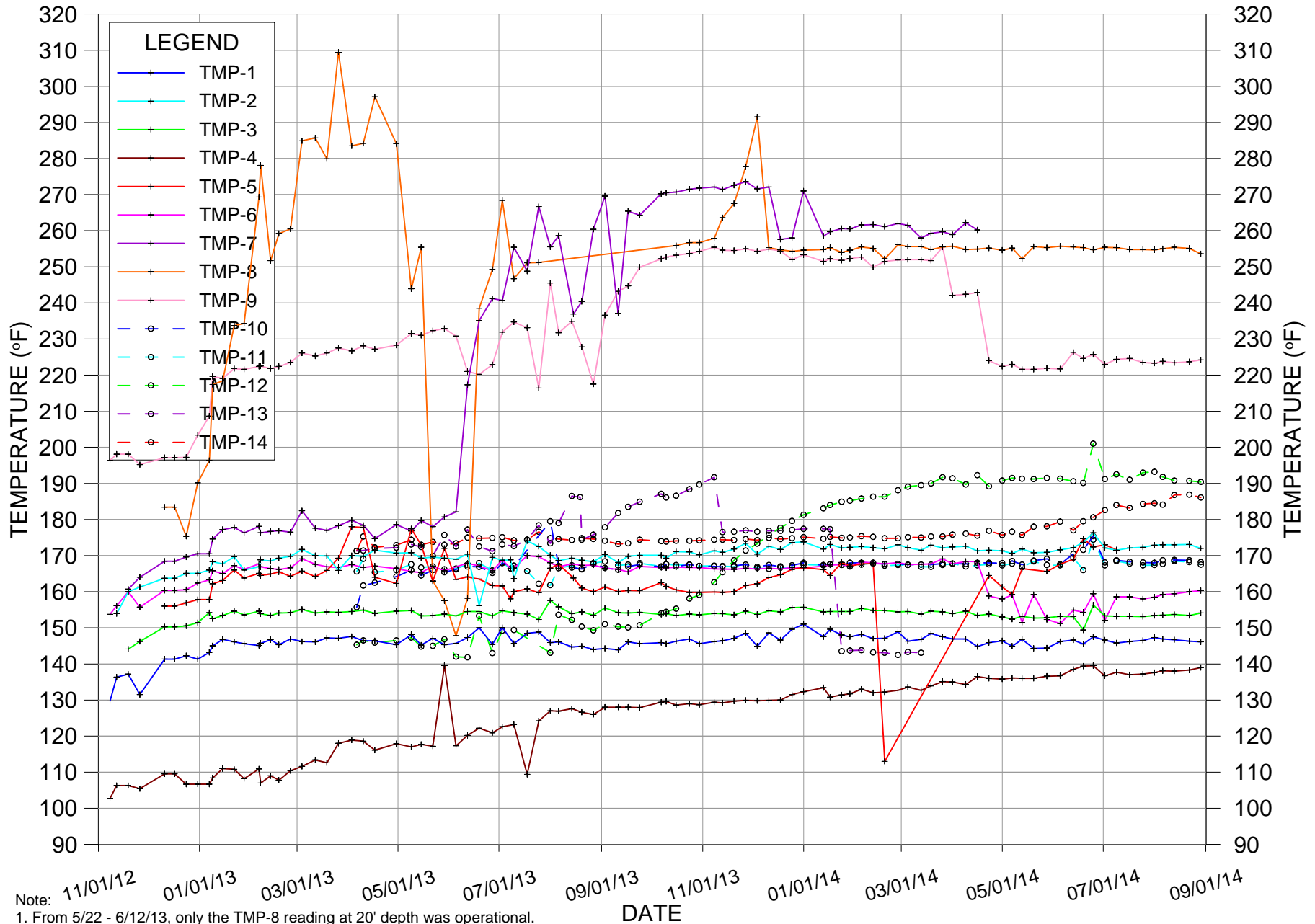


Note: 11/01/12 01/01/13 03/01/13 05/01/13 07/01/13 09/01/13 11/01/13 01/01/14 03/01/14 05/01/14 07/01/14 09/01/14

1. From 5/22 - 6/12/13, only the TMP-8 reading at 20' depth was operational.
No valid readings were obtained for TMP-8 from 8/1 to 10/10/2013. Valid readings from 20' to 40' resumed on 10/16/2013.
2. A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
3. No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
4. End terminals were replaced just prior to the 8/6/2013 readings with type T Omega connectors (part # SMPW-CC-T-M) on all TMPs except for TMP-8.

TEMPERATURE VS TIME
BRIDGETON LANDFILL

MAXIMUM TEMPERATURES



Note: 11/01/12 01/01/13 03/01/13 05/01/13 07/01/13 09/01/13 11/01/13 01/01/14 03/01/14 05/01/14 07/01/14 09/01/14

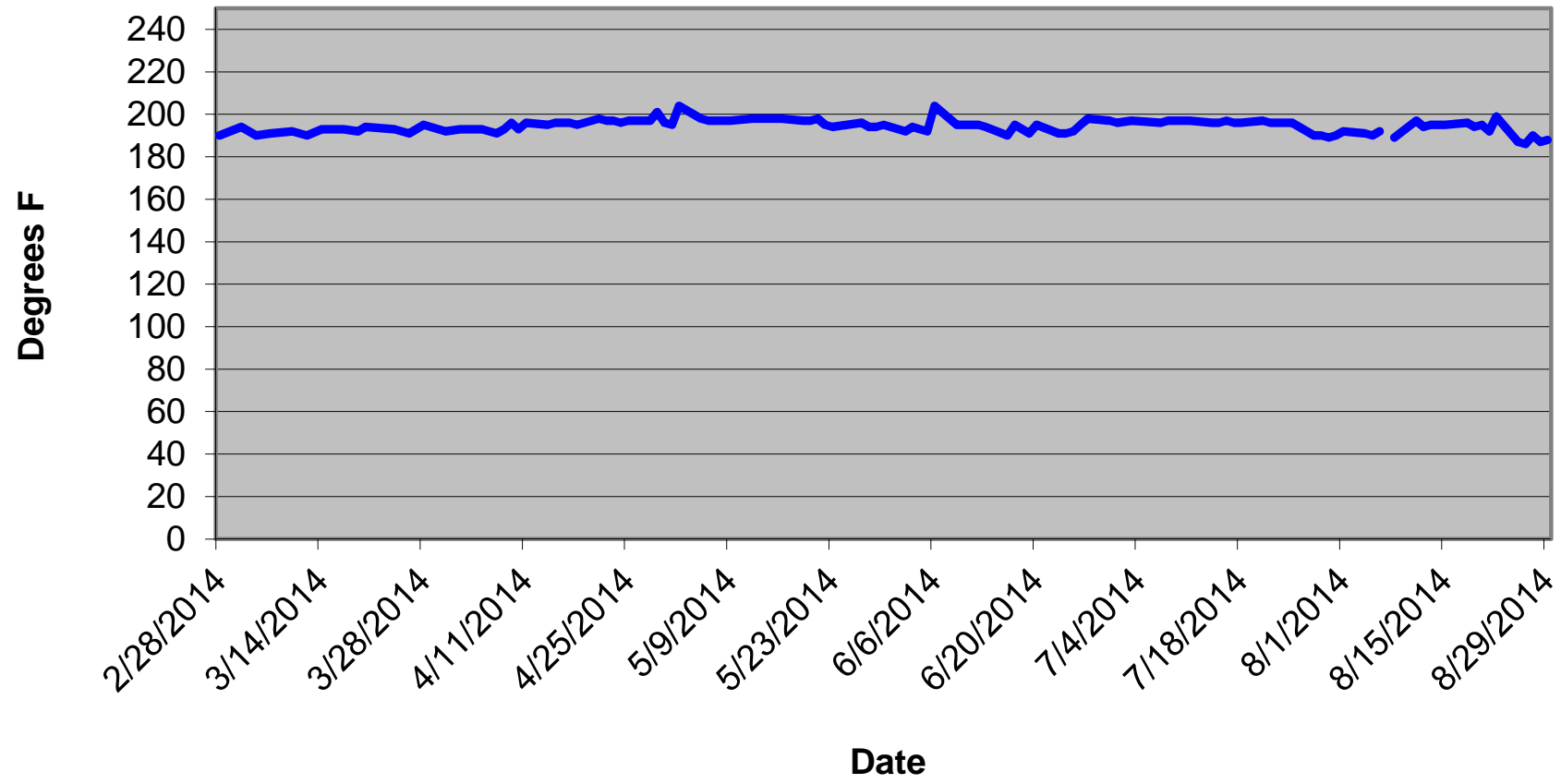
1. From 5/22 - 6/12/13, only the TMP-8 reading at 20' depth was operational.
No valid readings were obtained for TMP-8 from 8/1 to 10/10/2013. Valid readings from 20' to 40' resumed on 10/16/2013.
2. A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
3. No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
4. End terminals were replaced just prior to the 8/6/2013 readings with type T Omega connectors (part # SMPW-CC-T-M) on all TMPs except for TMP-8.

TEMPERATURE VS TIME
BRIDGETON LANDFILL

ATTACHMENT C

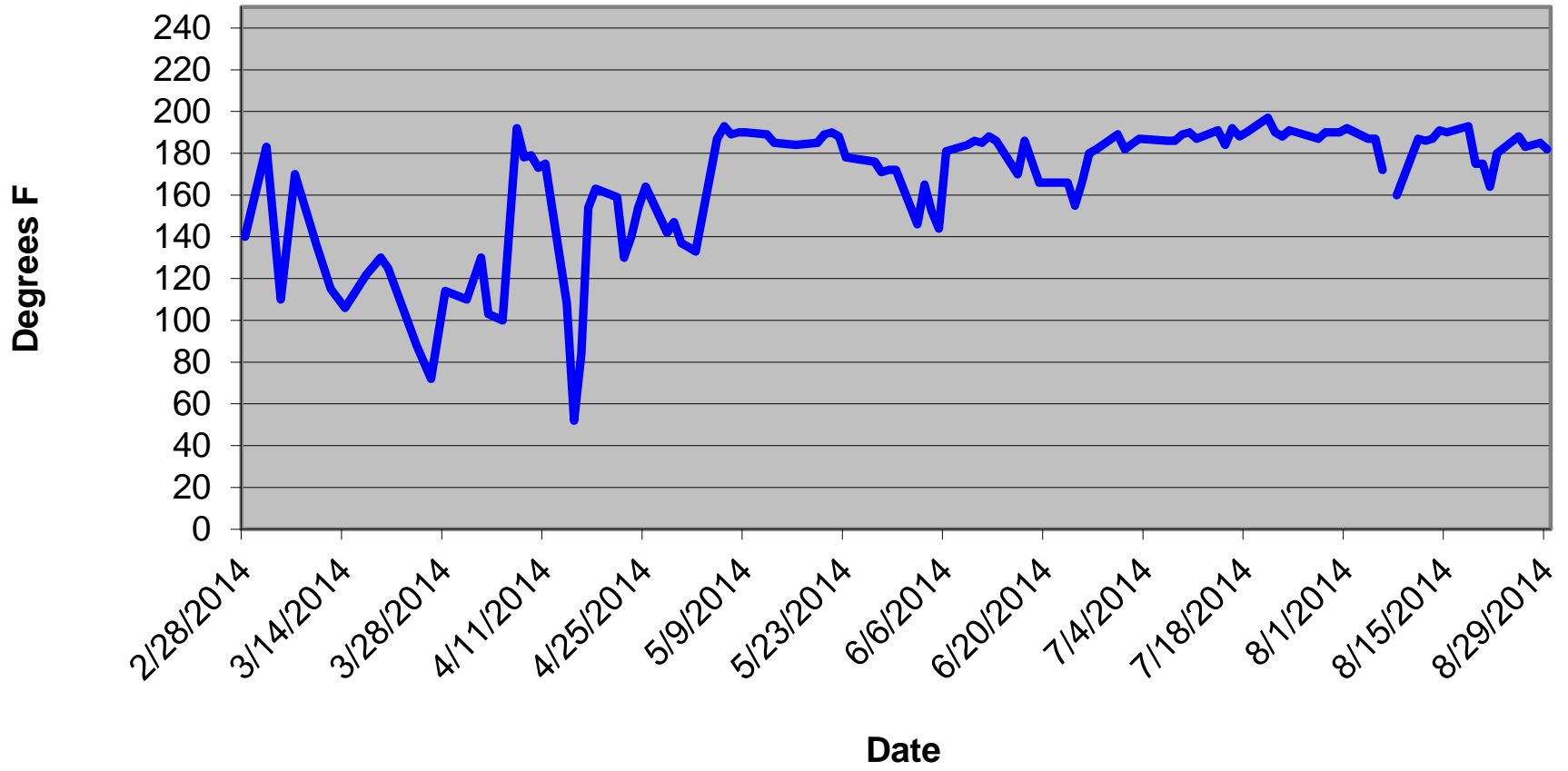
GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS

GIW-1 Wellhead Temperatures



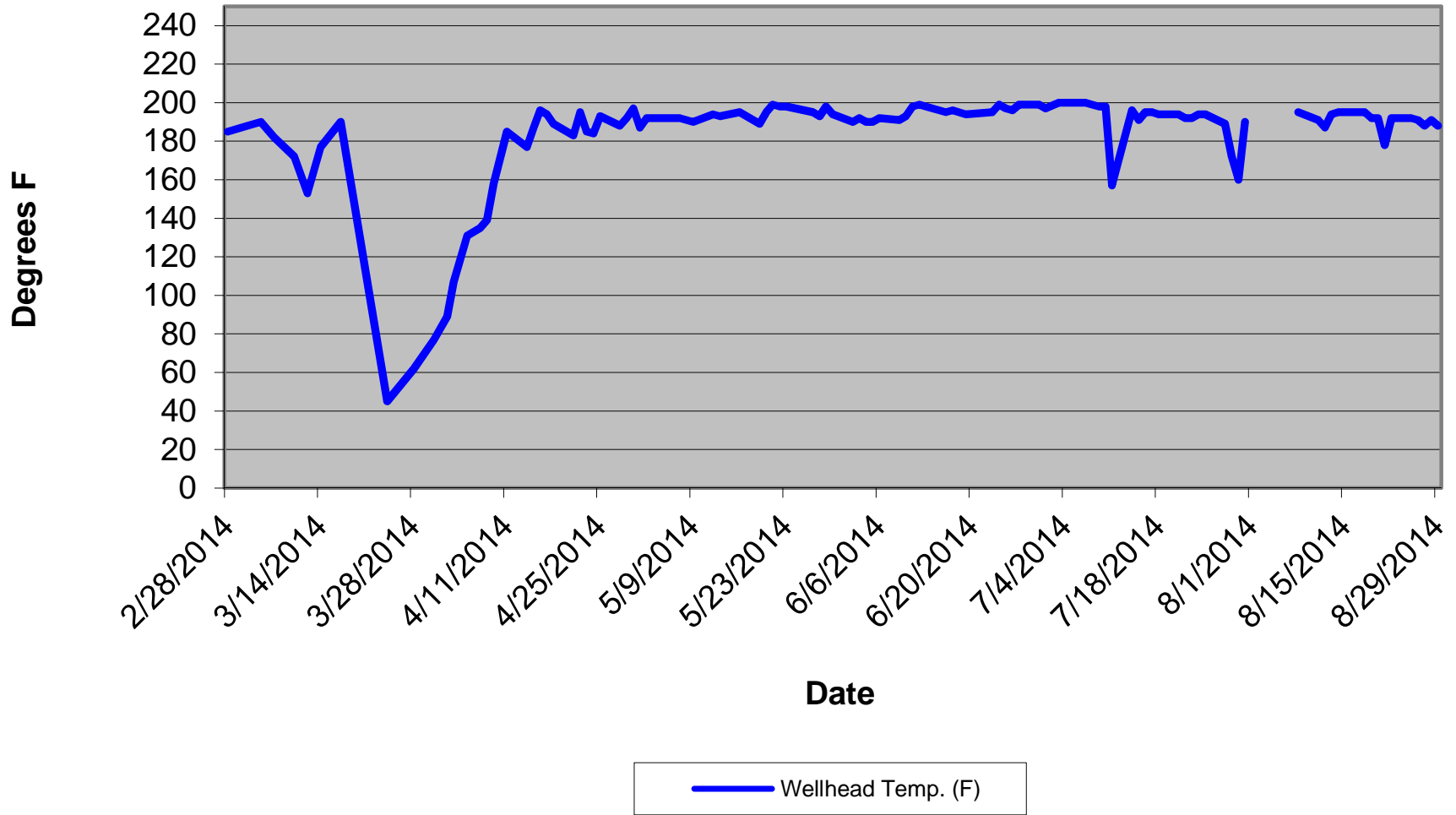
Wellhead Temp. (F)

GIW-2 Wellhead Temperatures

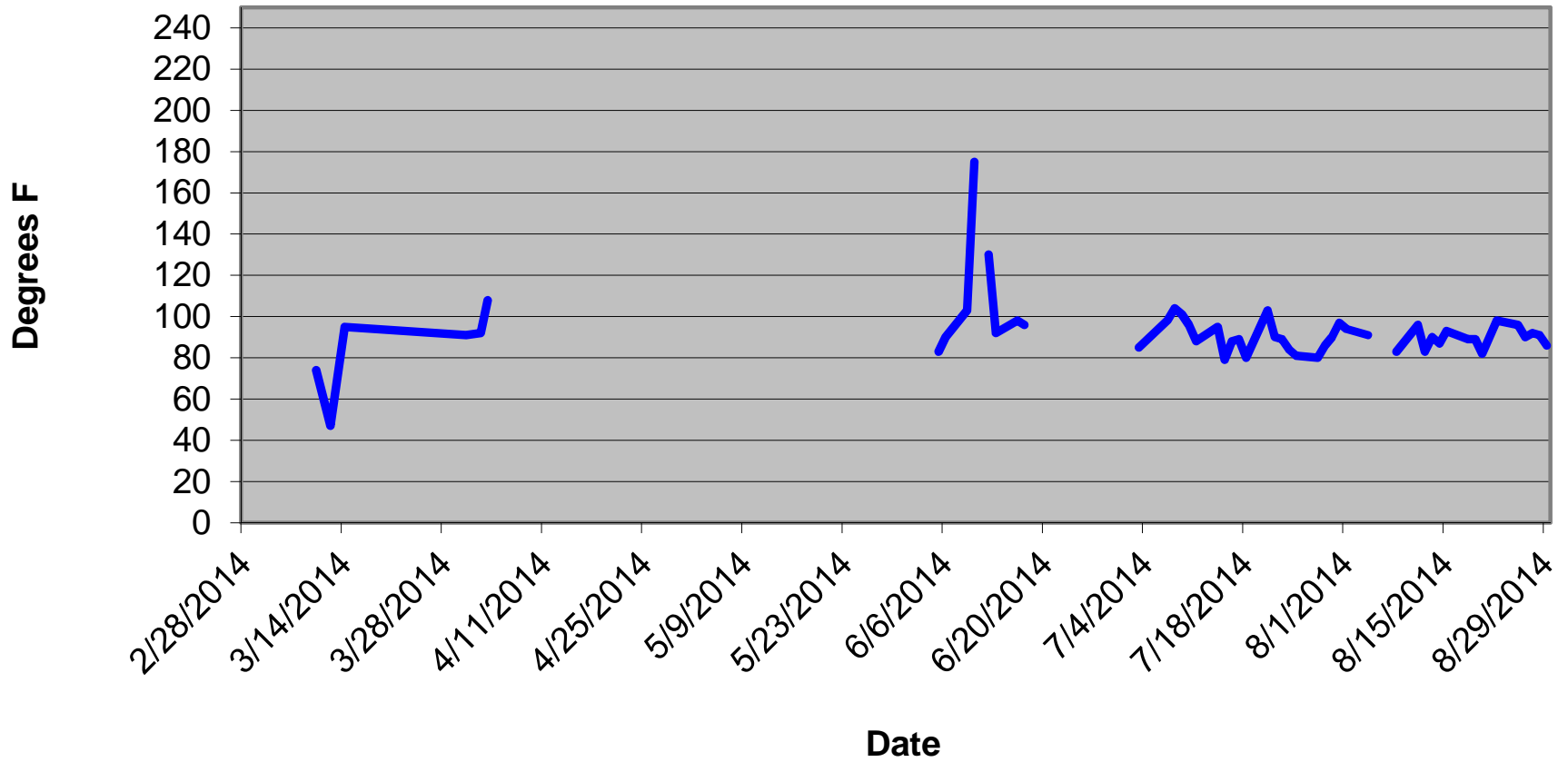


Wellhead Temp. (F)

GIW-3 Wellhead Temperatures

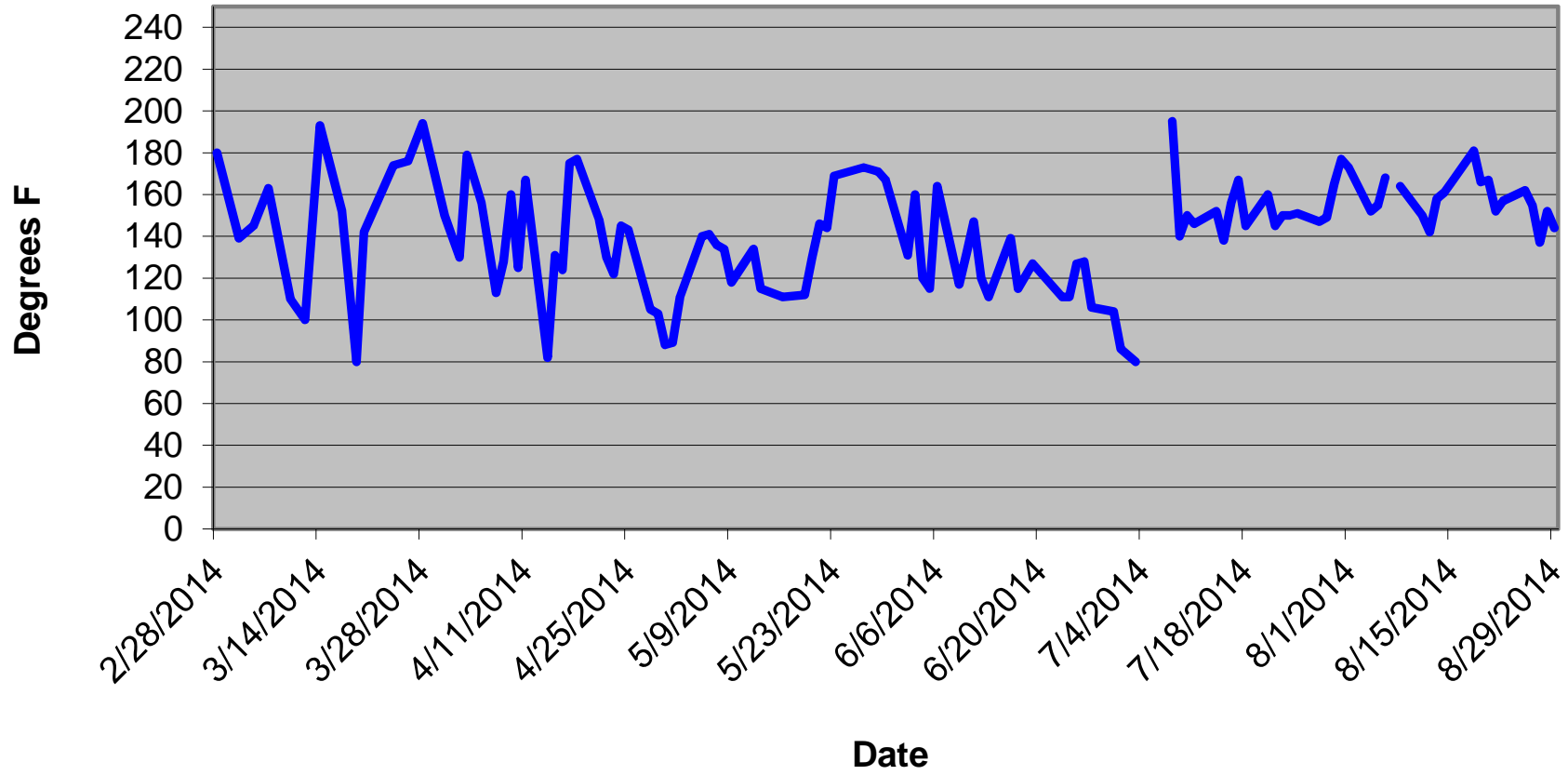


GIW-4 Wellhead Temperatures



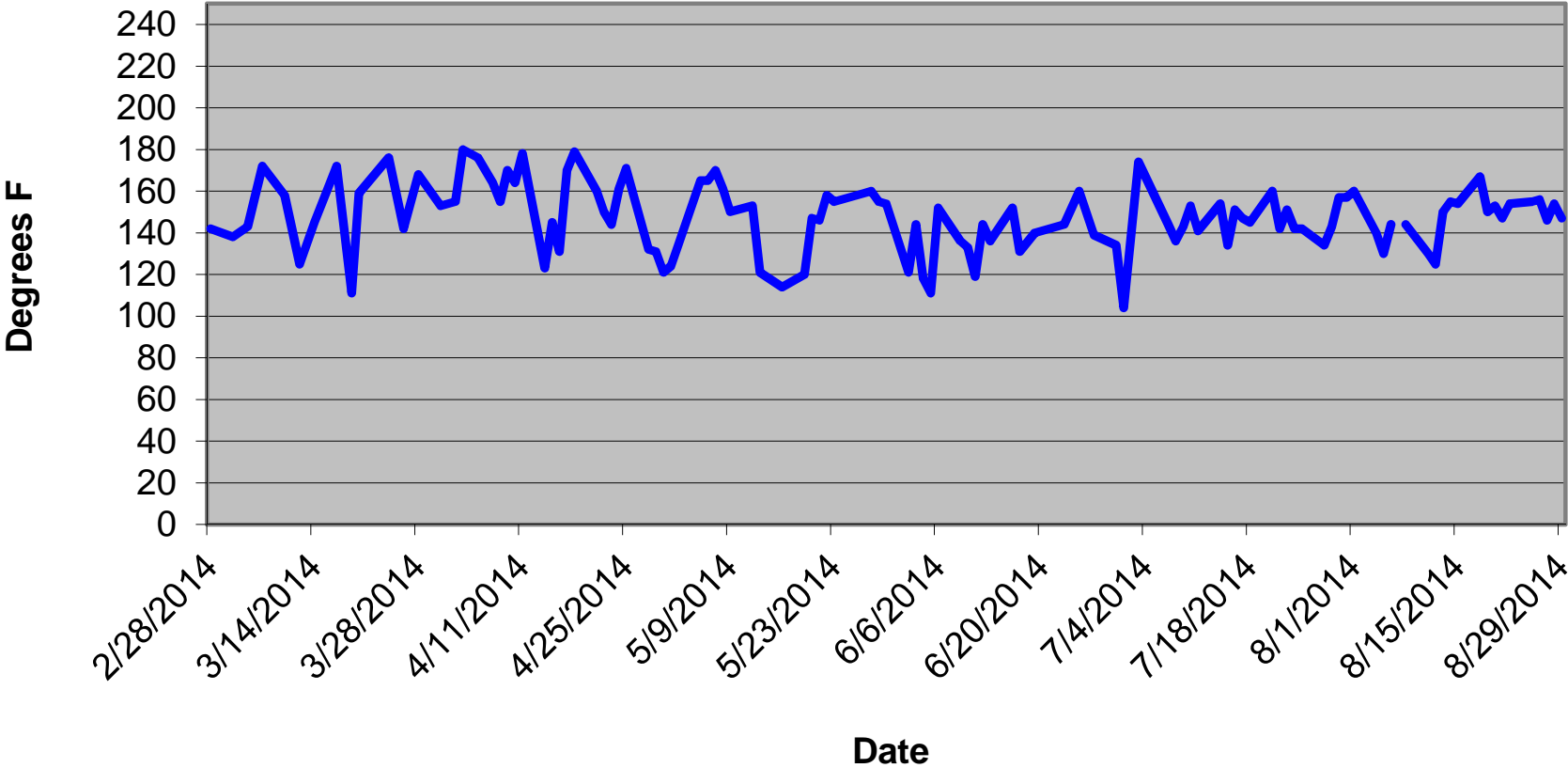
Wellhead Temp. (F)

GIW-5 Wellhead Temperatures



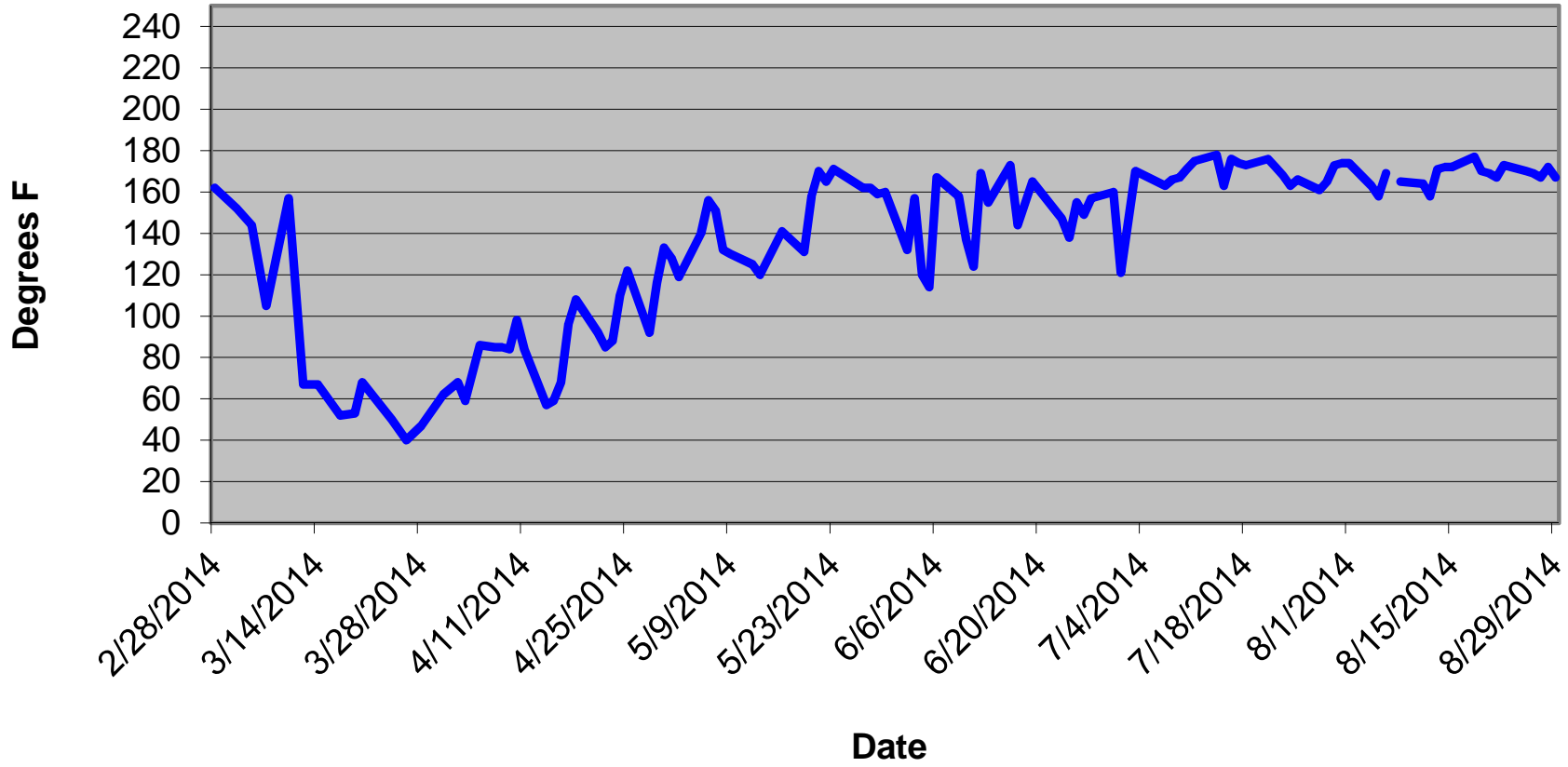
Wellhead Temp. (F)

GIW-6 Wellhead Temperatures



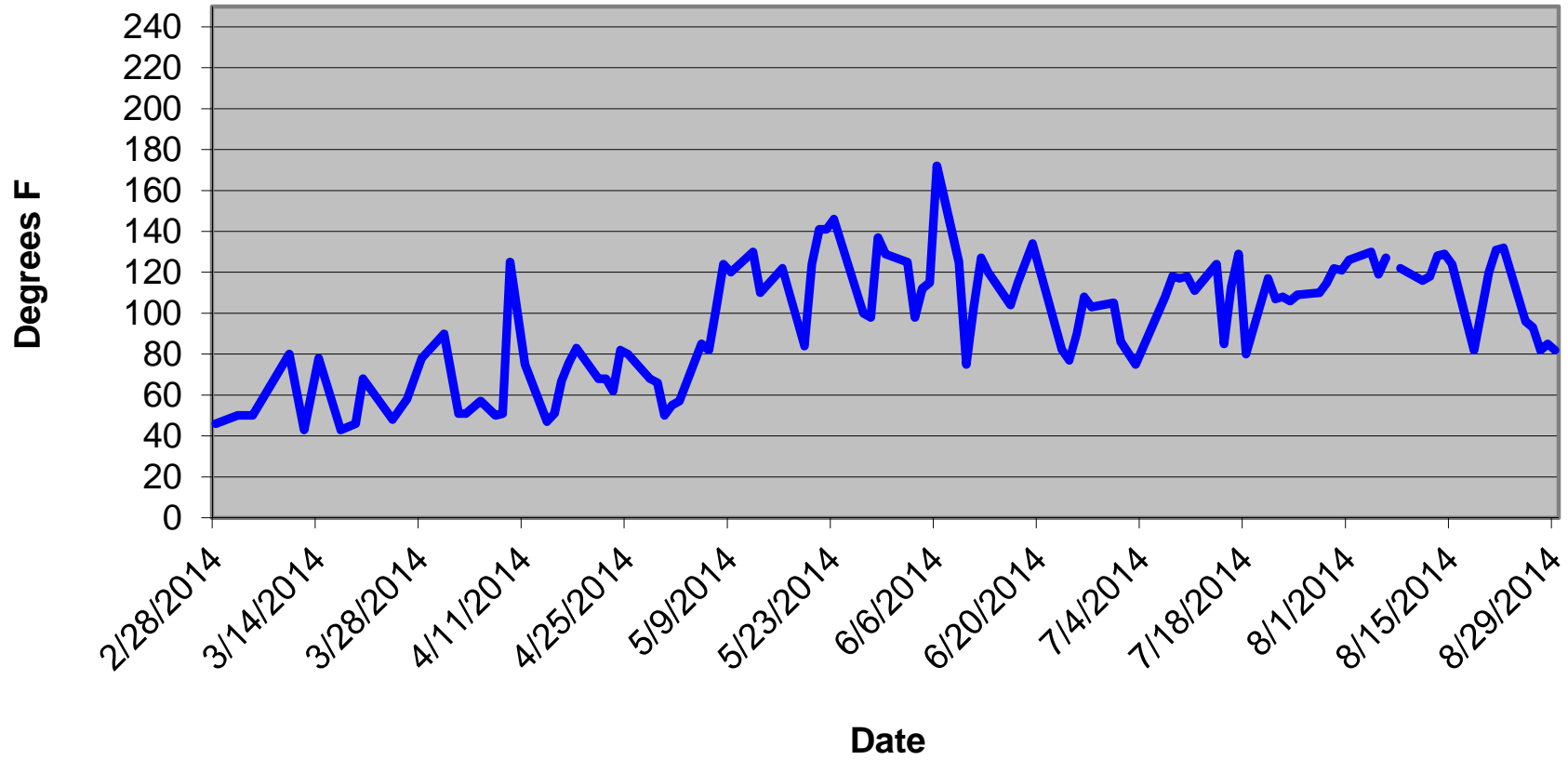
Wellhead Temp. (F)

GIW-7 Wellhead Temperatures



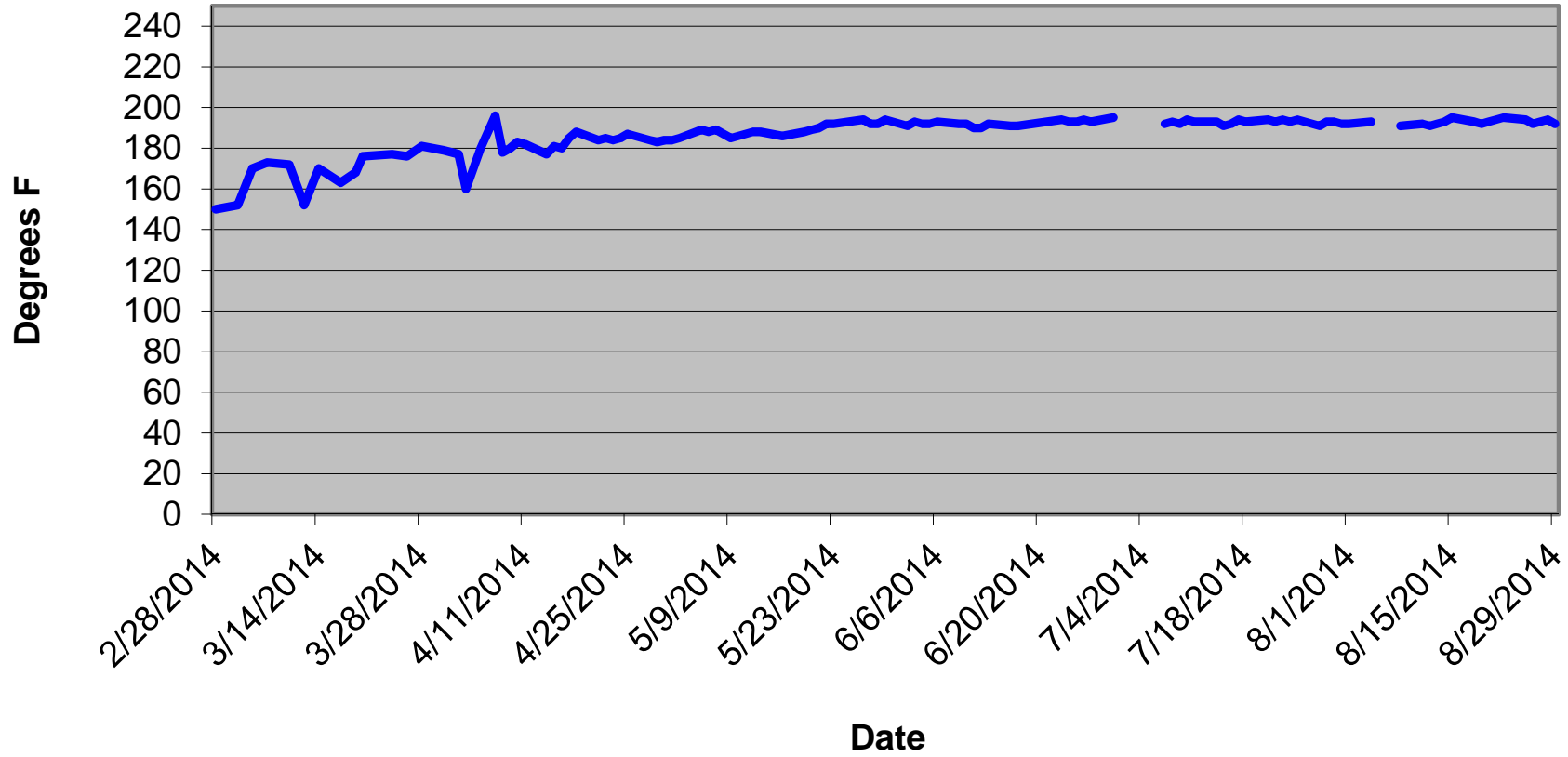
Wellhead Temp. (F)

GIW-8 Wellhead Temperatures



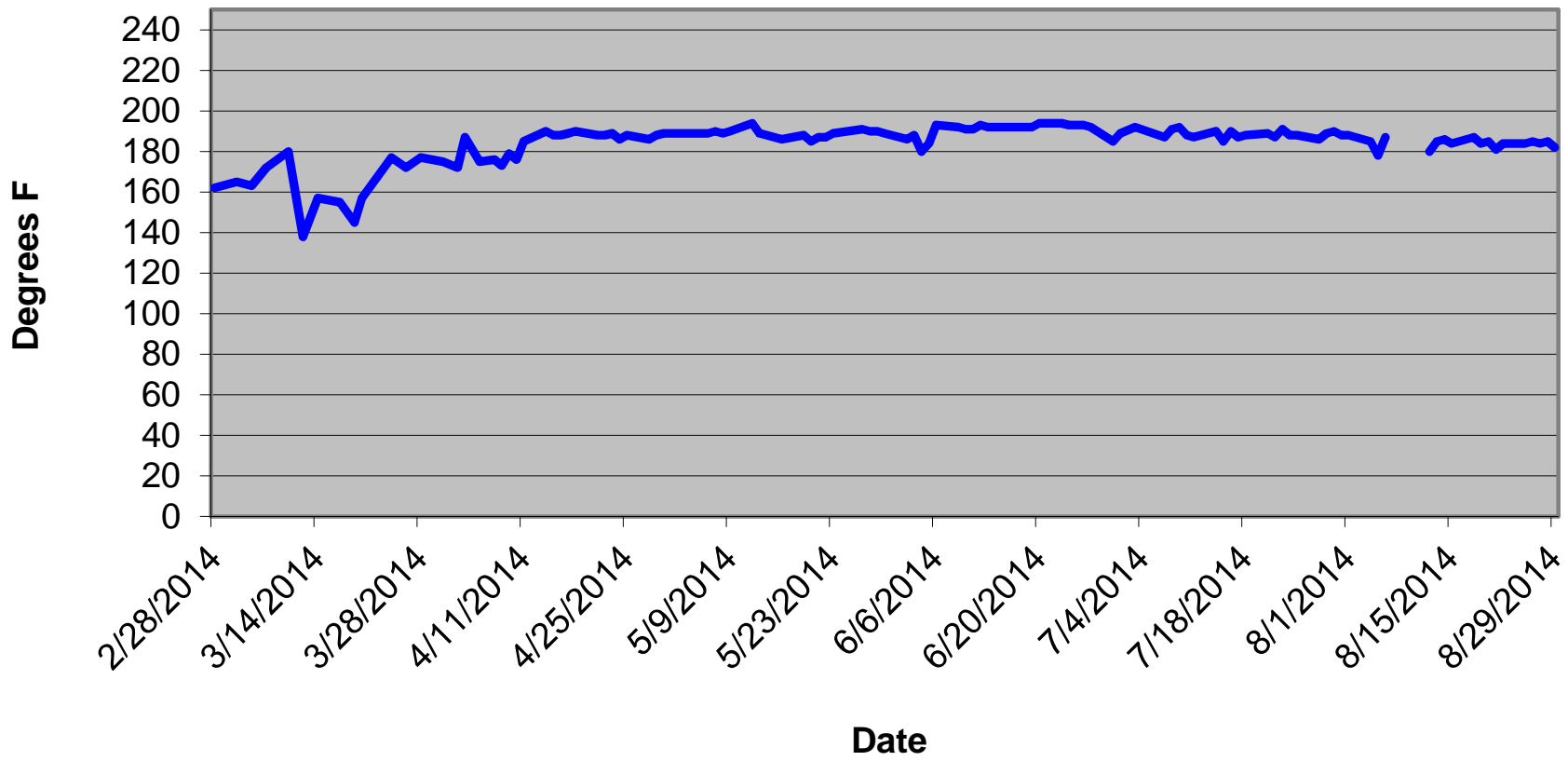
Wellhead Temp. (F)

GIW-9 Wellhead Temperatures



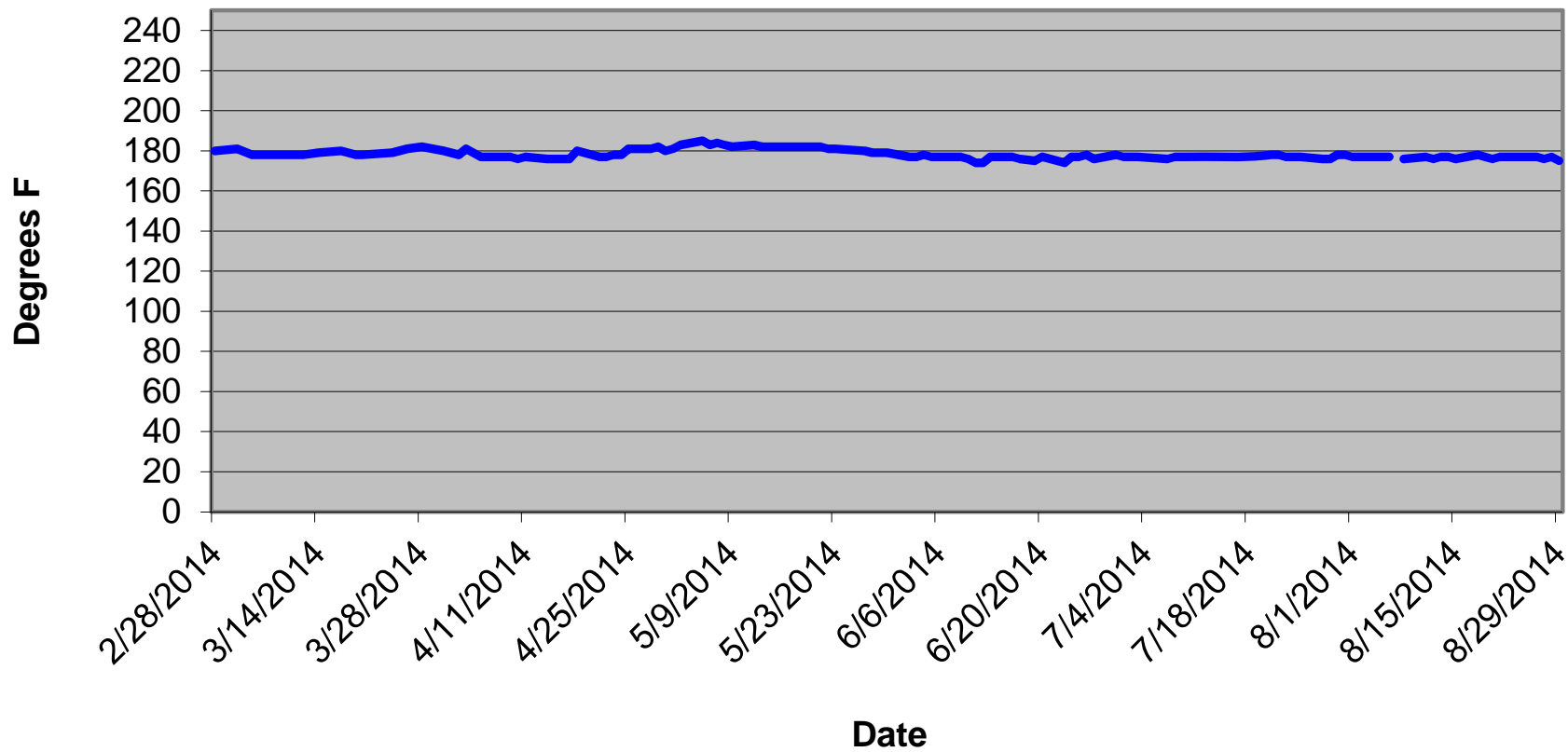
Wellhead Temp. (F)

GIW-10 Wellhead Temperatures



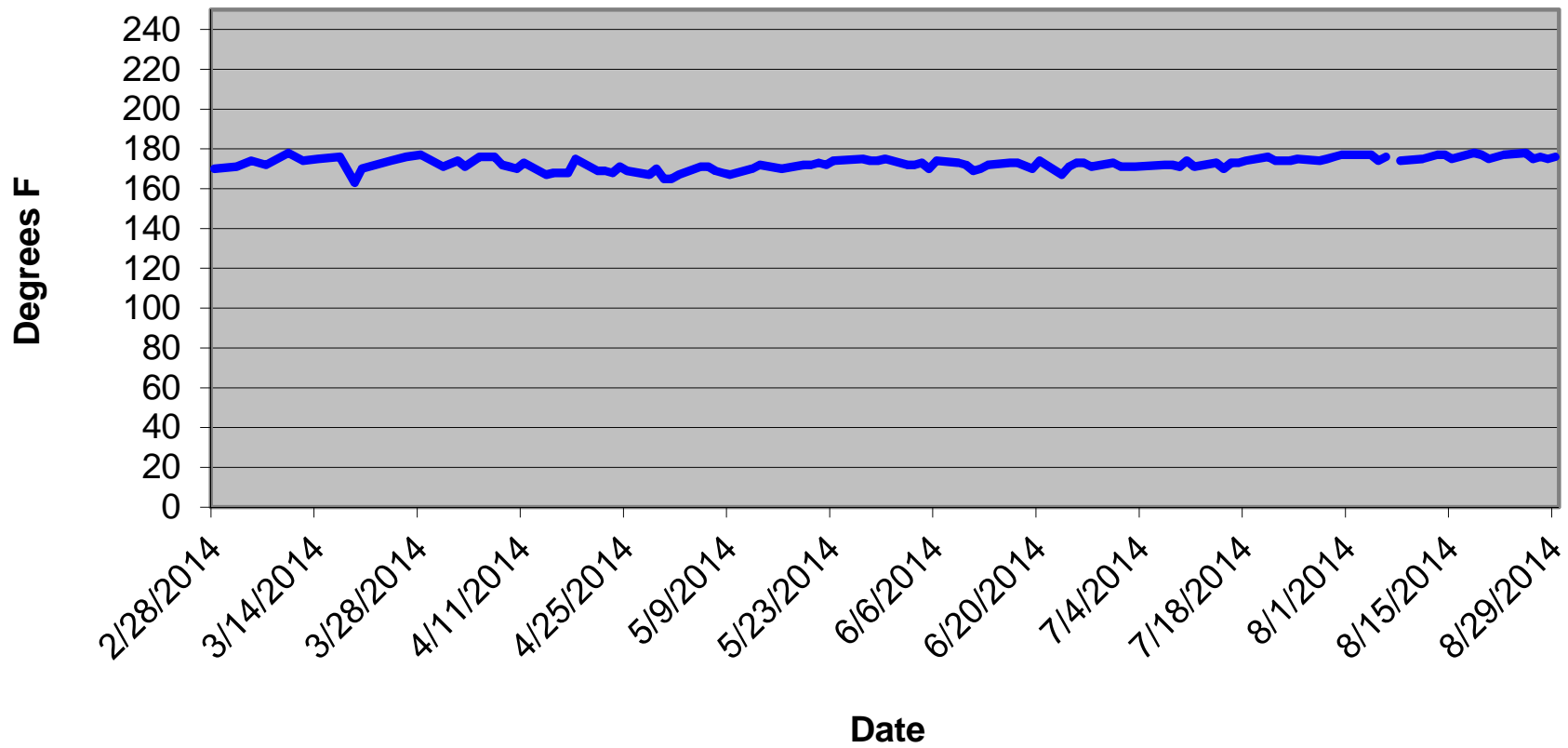
Wellhead Temp. (F)

GIW-11 Wellhead Temperatures



Wellhead Temp. (F)

GIW-12 Wellhead Temperatures



Wellhead Temp. (F)

GIW-13 Wellhead Temperatures

