

# **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**

**May 27, 2014**

## **Commentary on Data**

### **Attachment A – Leachate Levels in Leachate Collection Sumps**

LCS -1,-2,-3D -5, -6 were 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.

Measurement devices are currently being evaluated for use in LCS-3D and -1.

### **Temperature Monitoring Probe Analytical Charts**

The following TMPs indicated consistent or lower temperature profiles than previous week(s): TMP-1,-2,-3,-4,-6,-8, -9, -10, and -12

TMP-11 and -14 measured a slight increase in some of the upper monitored intervals.

TMP-5, -7 and -13 have been removed from the presentation based on unreliable thermocouple measurements.

### **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.

All gas interceptor wells remained relatively consistent or lower with regards to gas wellhead temperature measured at each location excluding GIW -8 and -13. GIW-8 and -13 measured a slightly higher wellhead temperature compared to previous measurements. These increases are most probably due to increased gas flow at the time of measurement.

The water circulation cooling loop is currently installed in GIW-4. The cooling loop was operational during the reporting period.

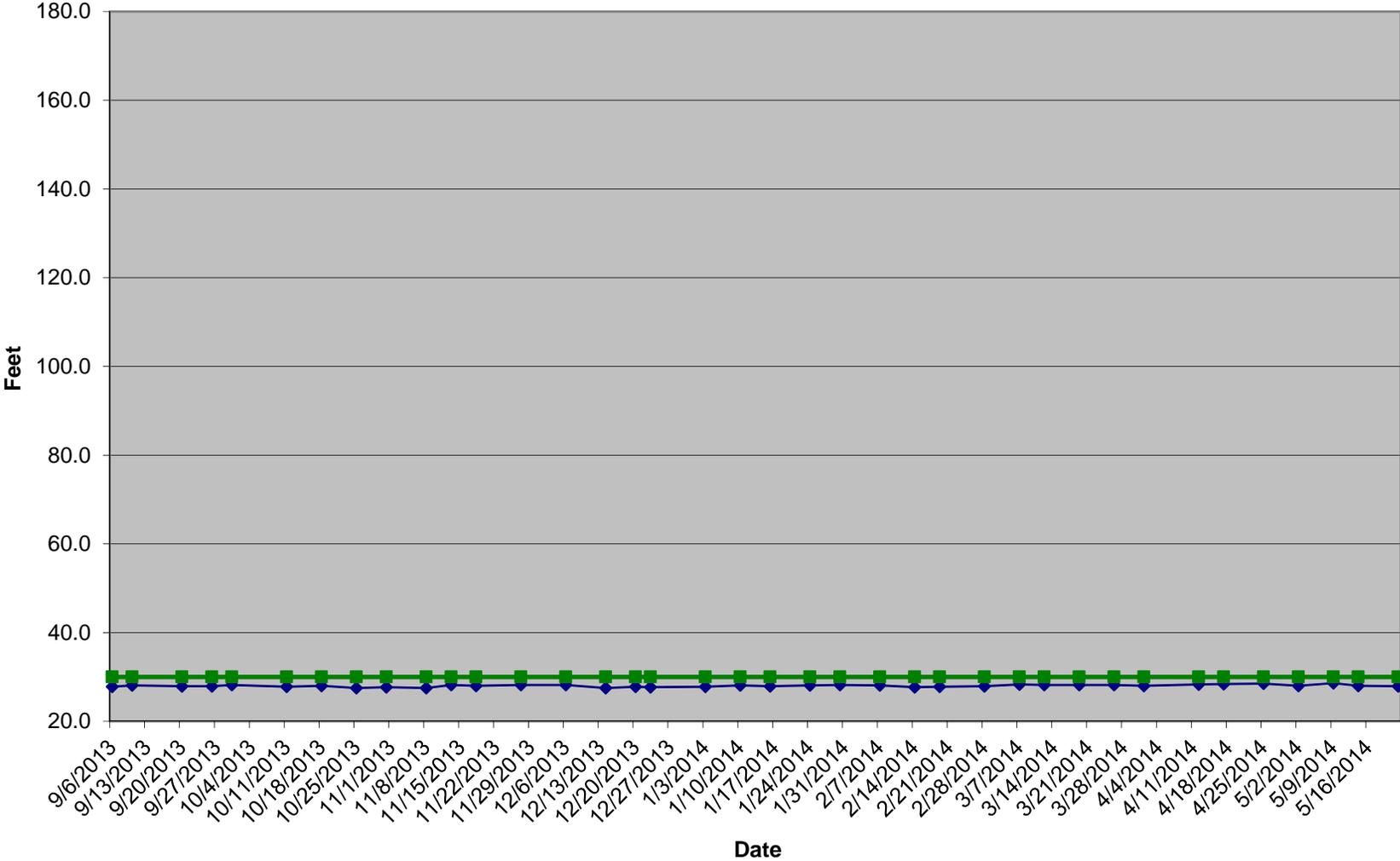
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**ATTACHMENT A**

**LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS**

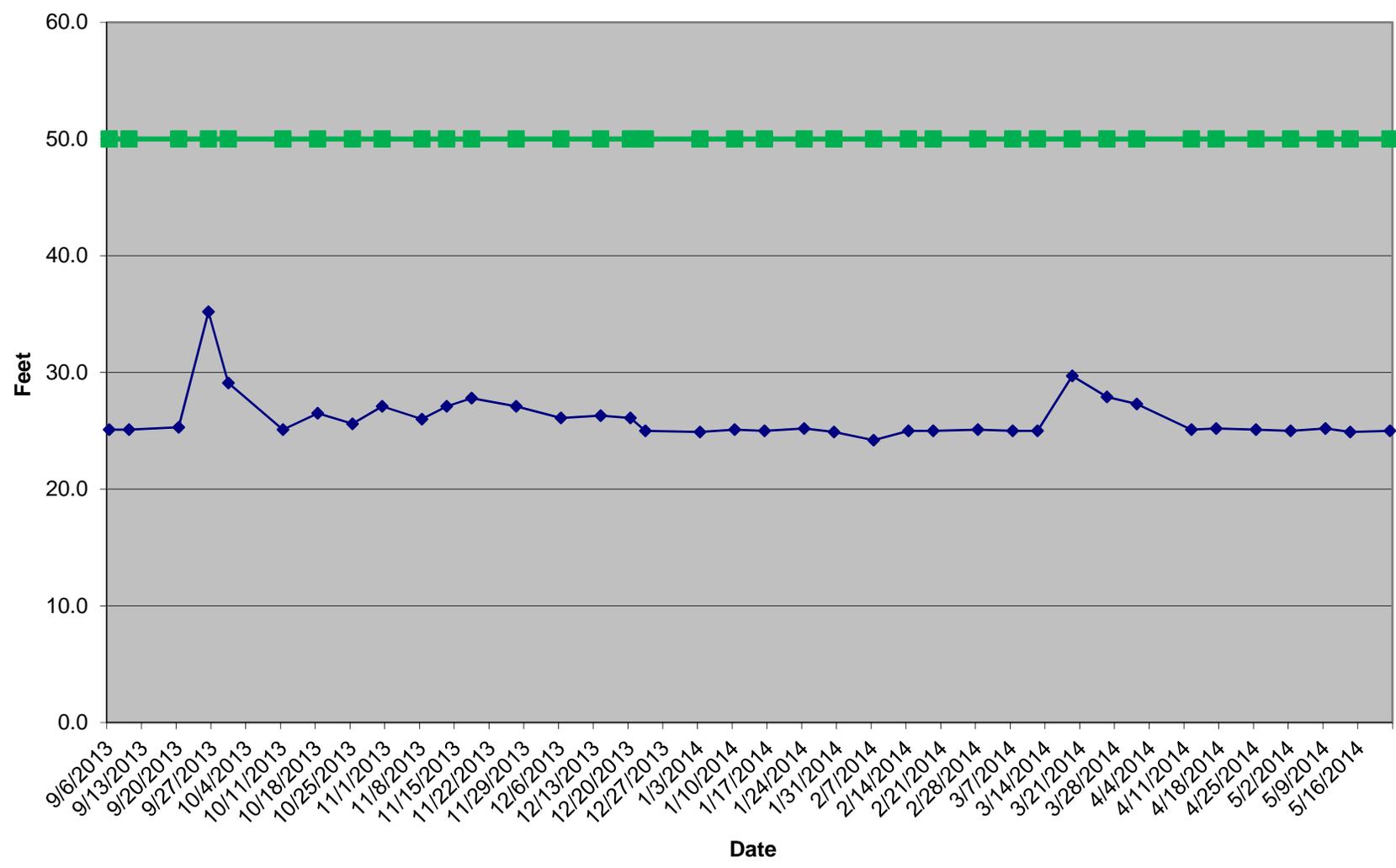
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### LCS-2D Liquid Level Above Quarry Floor



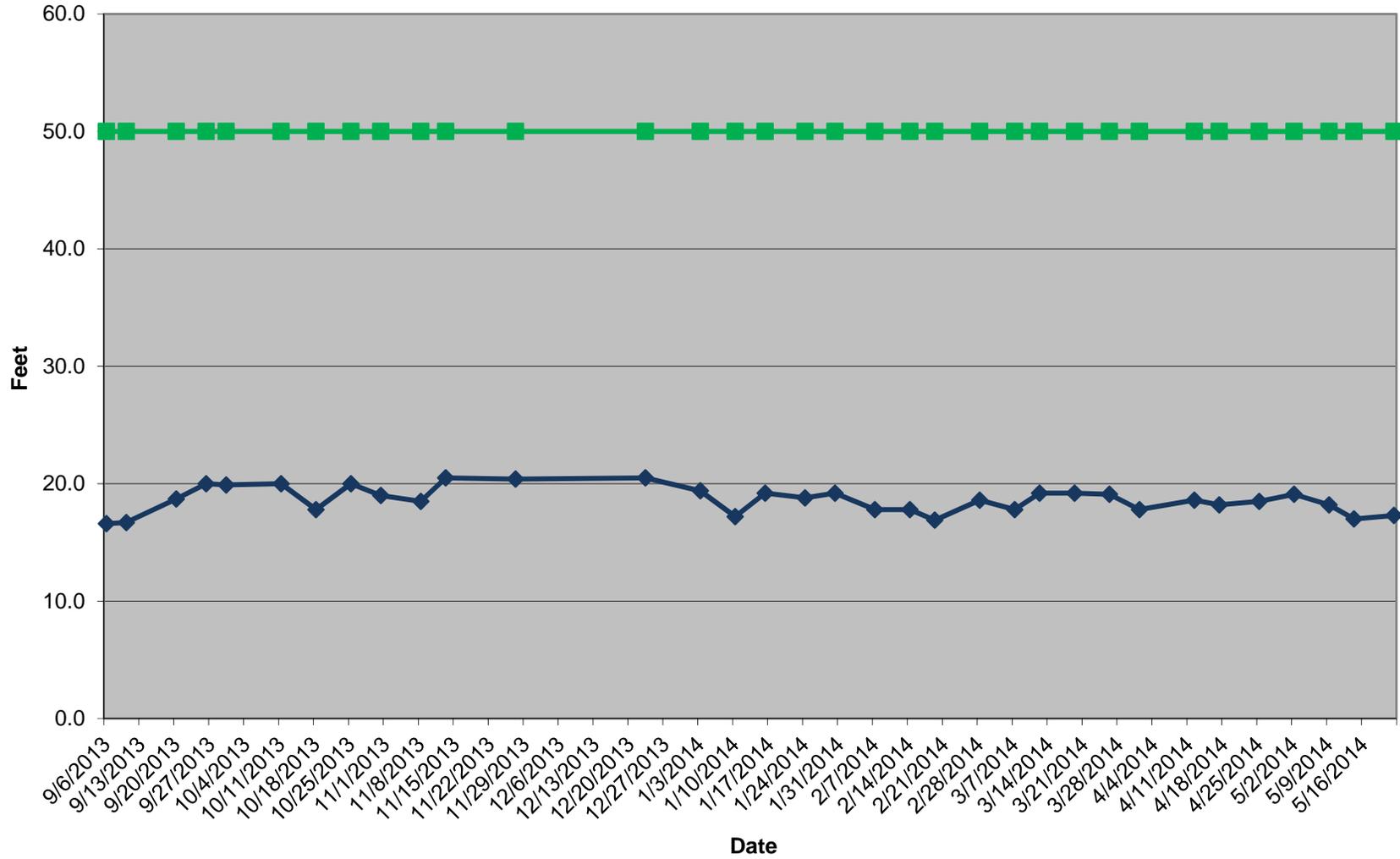
Height of Liquid (FL) Compliance Level (FL Above Quarry Floor)

### LCS-5A Liquid Level Above Quarry Floor



—◆— Height of Liquid (Ft.)      —■— Compliance Level (Ft. Above Quarry Floor)

### LCS-6B Liquid Level Above Quarry Floor



—◆— Height of Liquid (Fl.)     —■— Compliance Level (Fl. Above Quarry Floor)

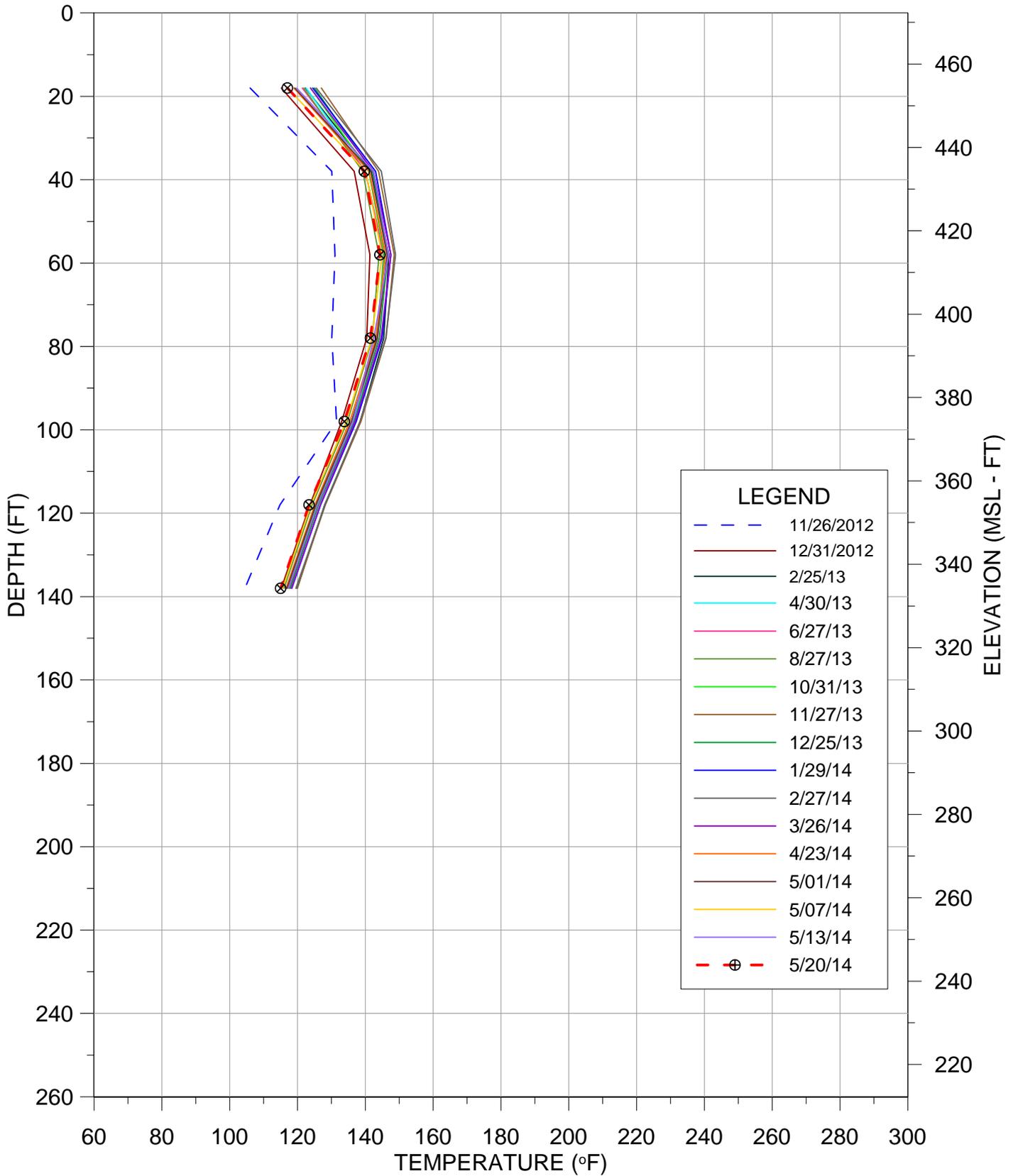
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**ATTACHMENT B**

**TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS**

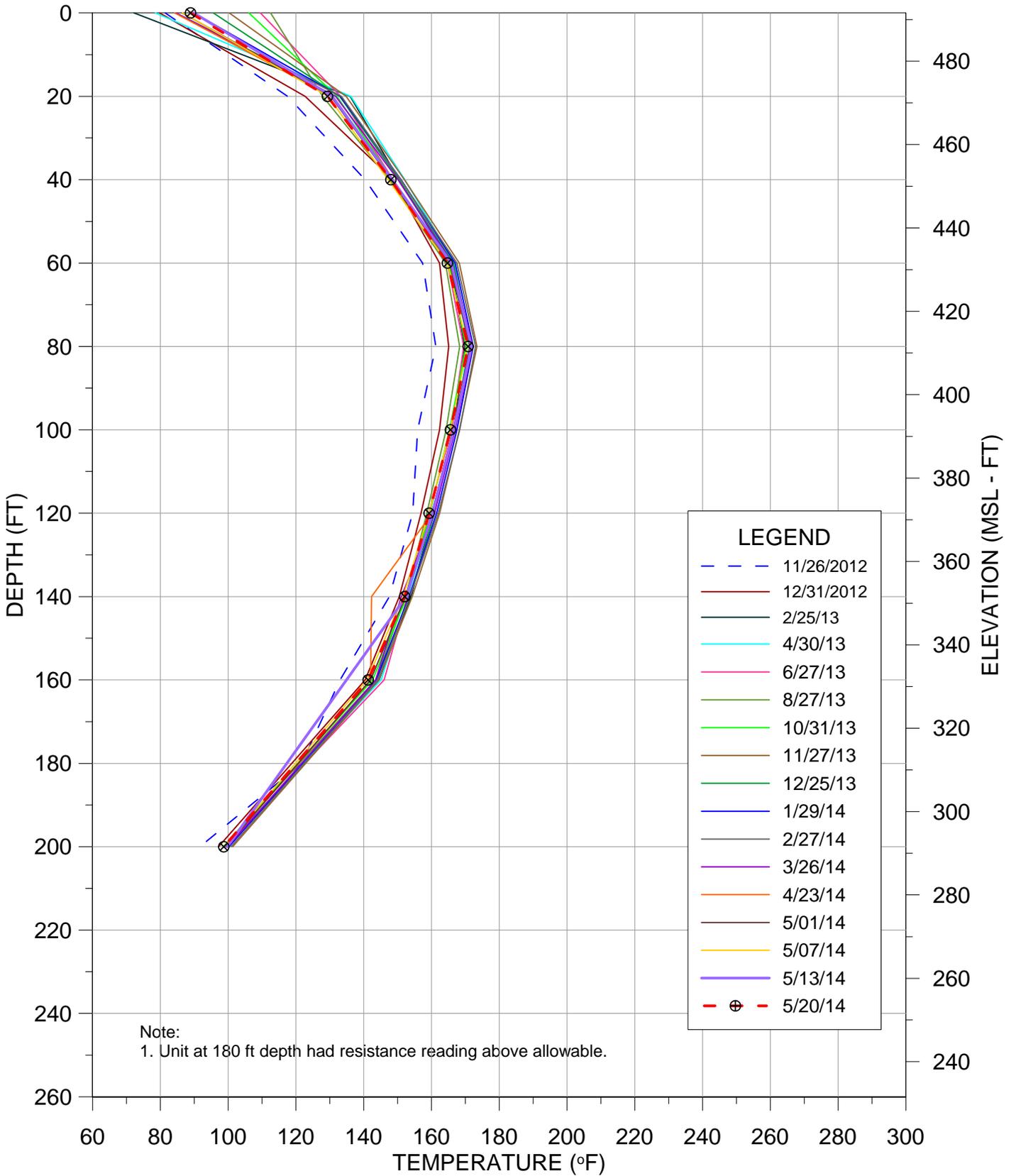
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# TMP-1



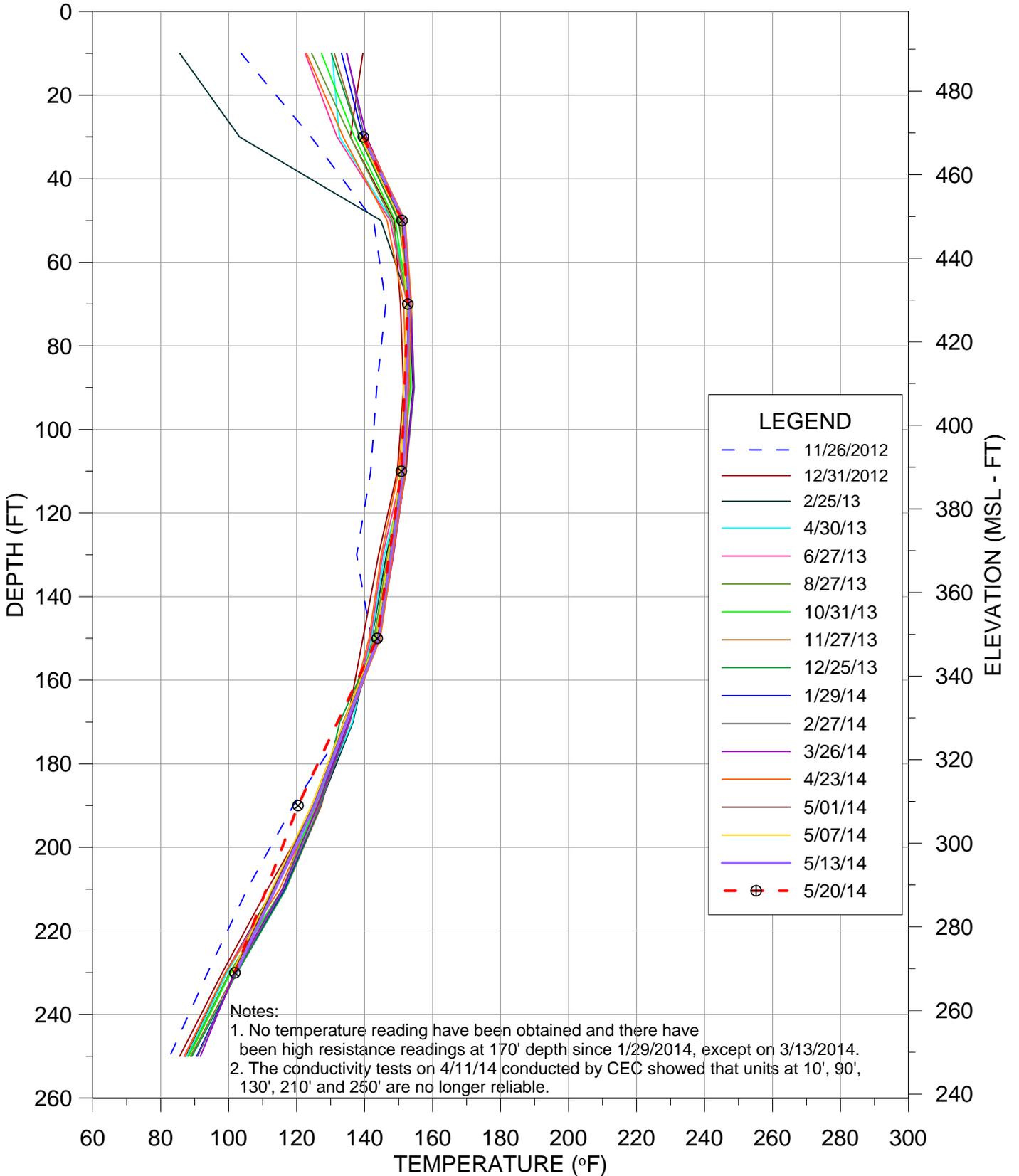
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-2



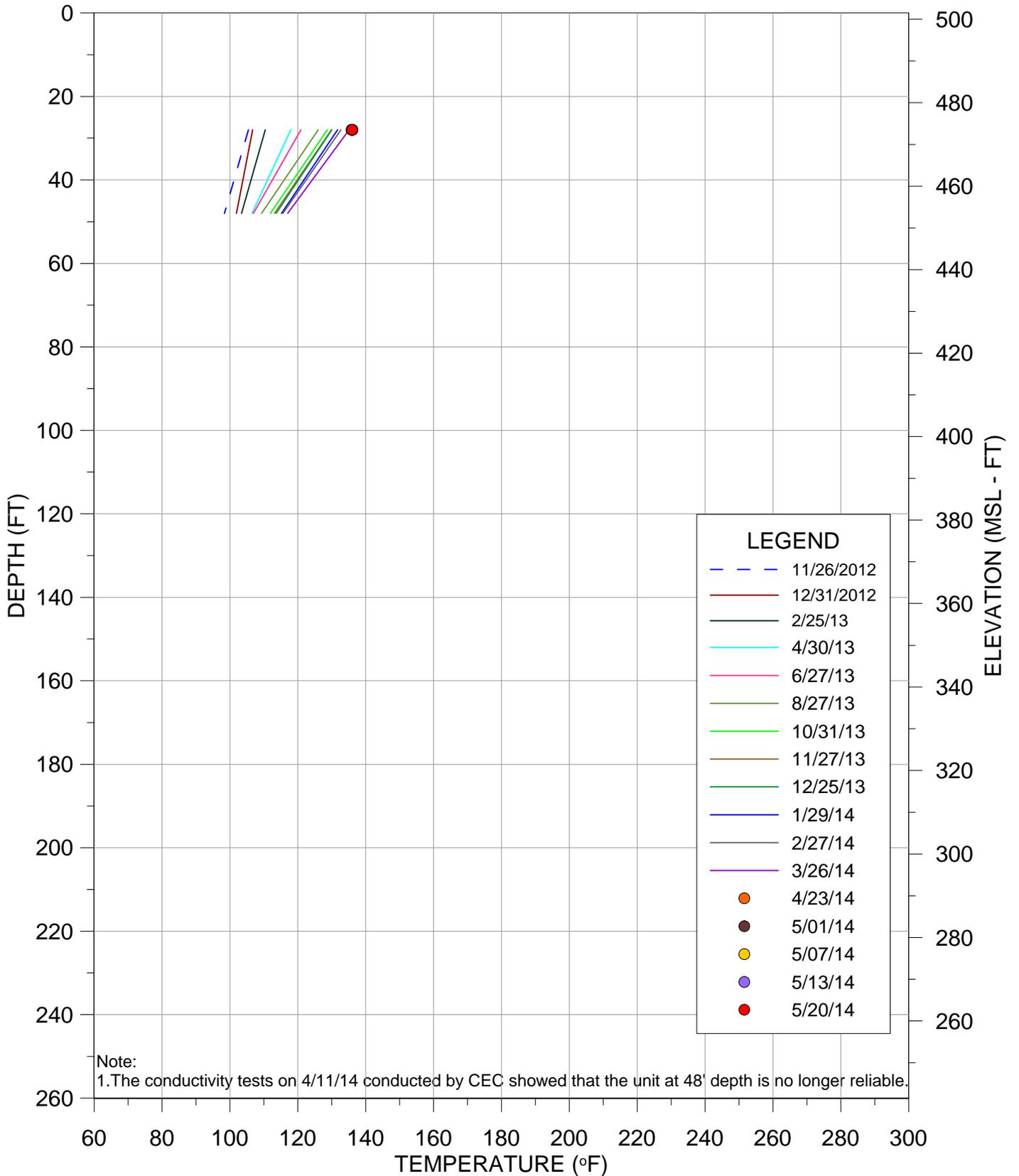
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-3



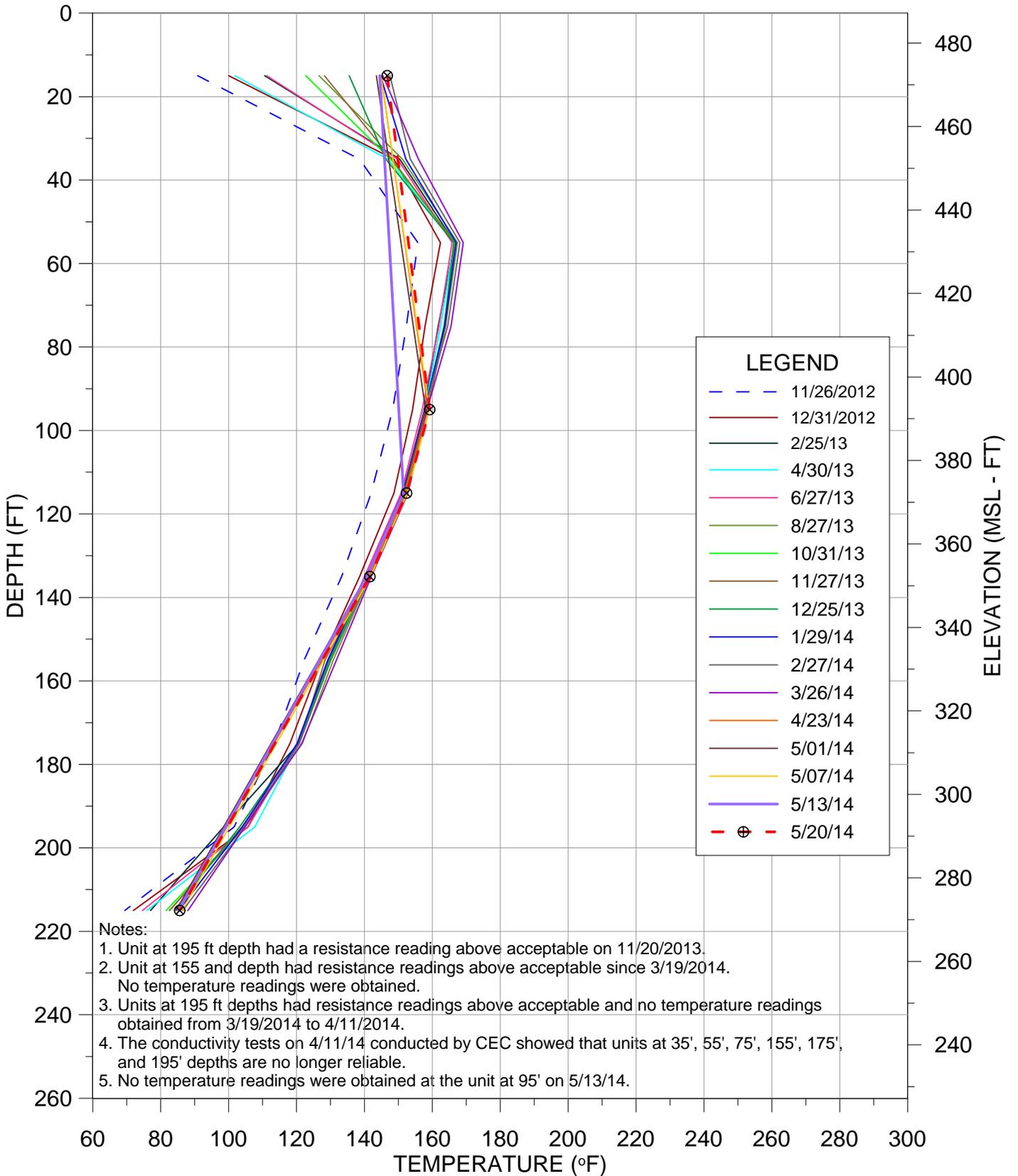
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-4



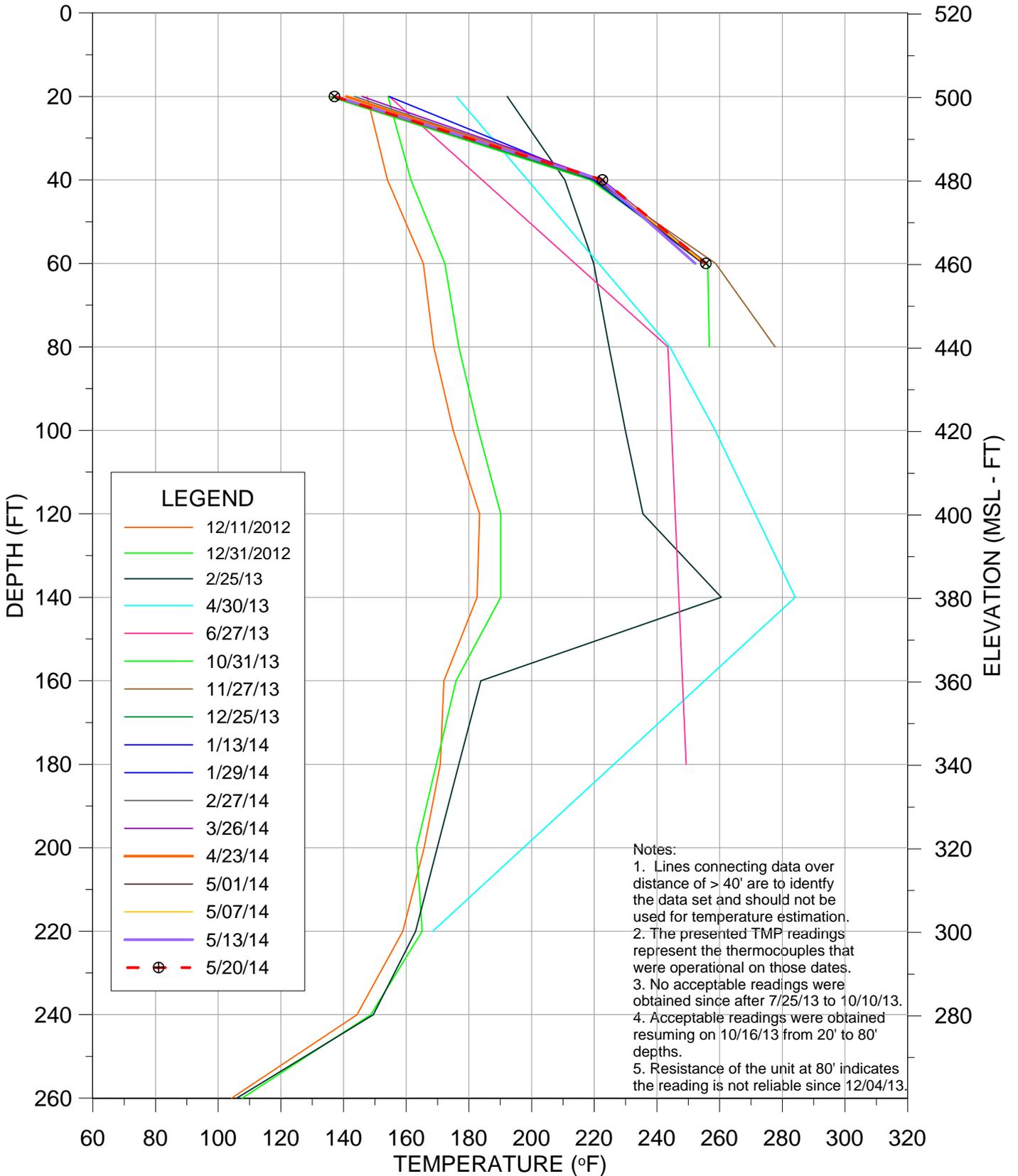
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-6



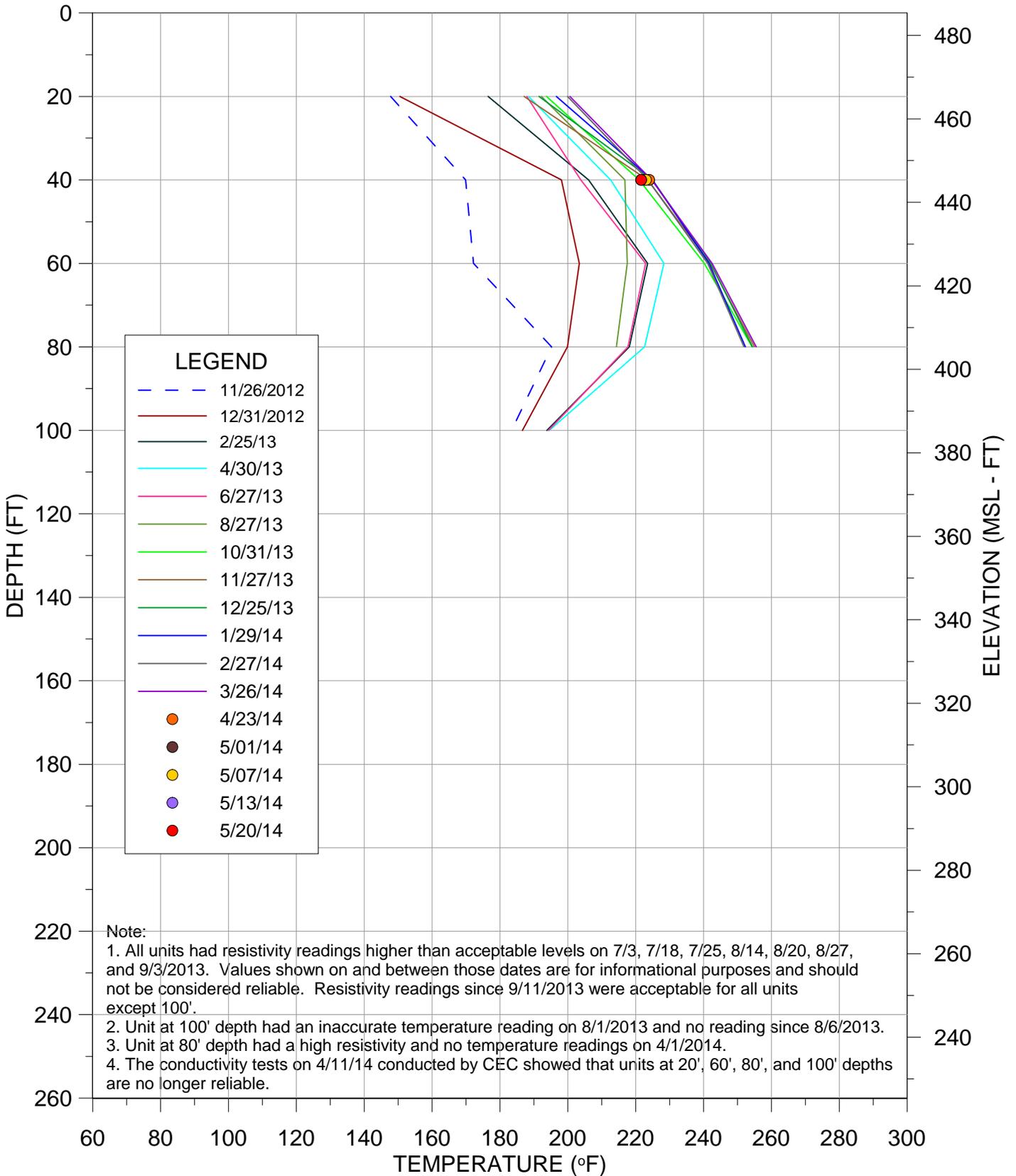
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-8



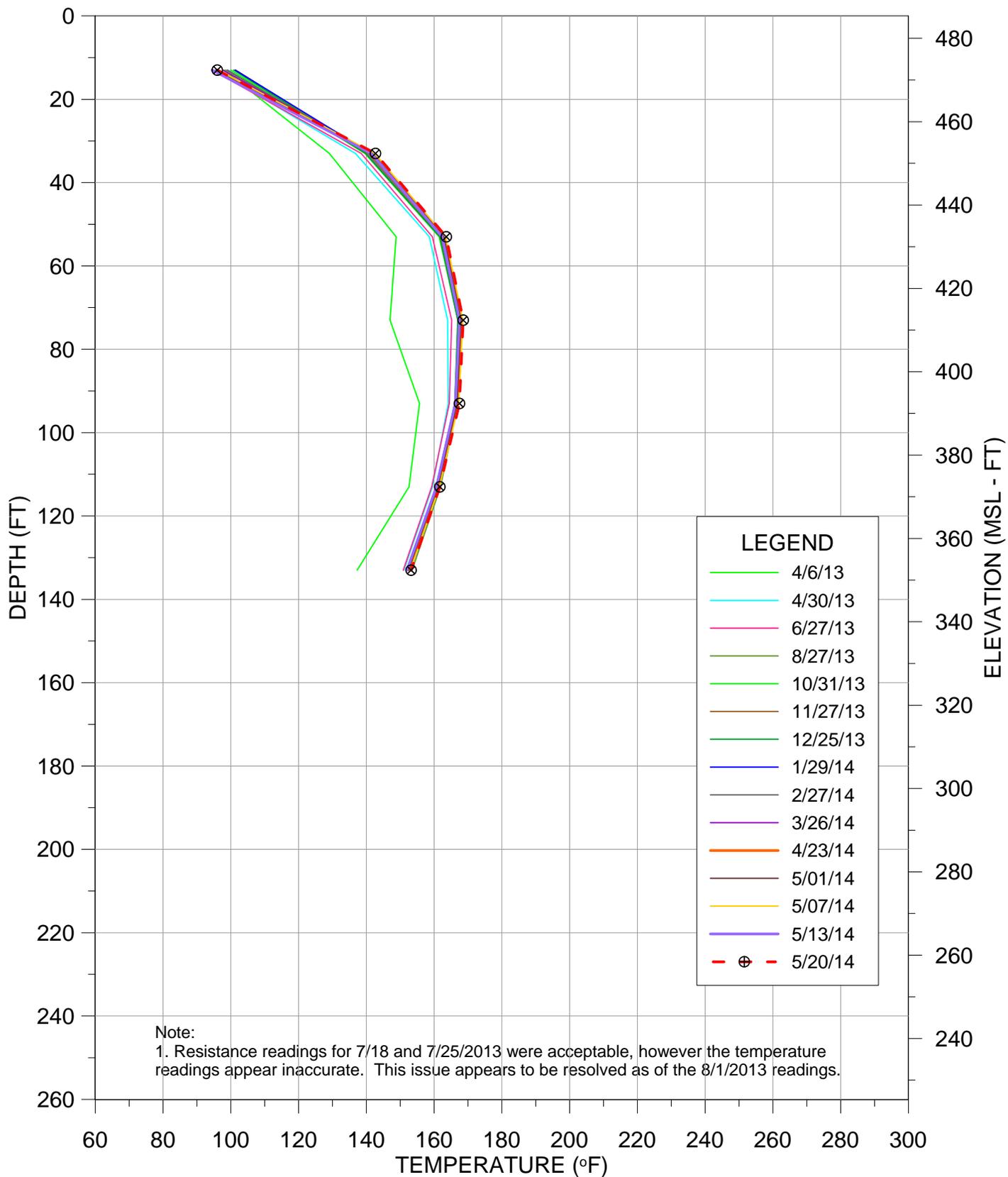
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-9



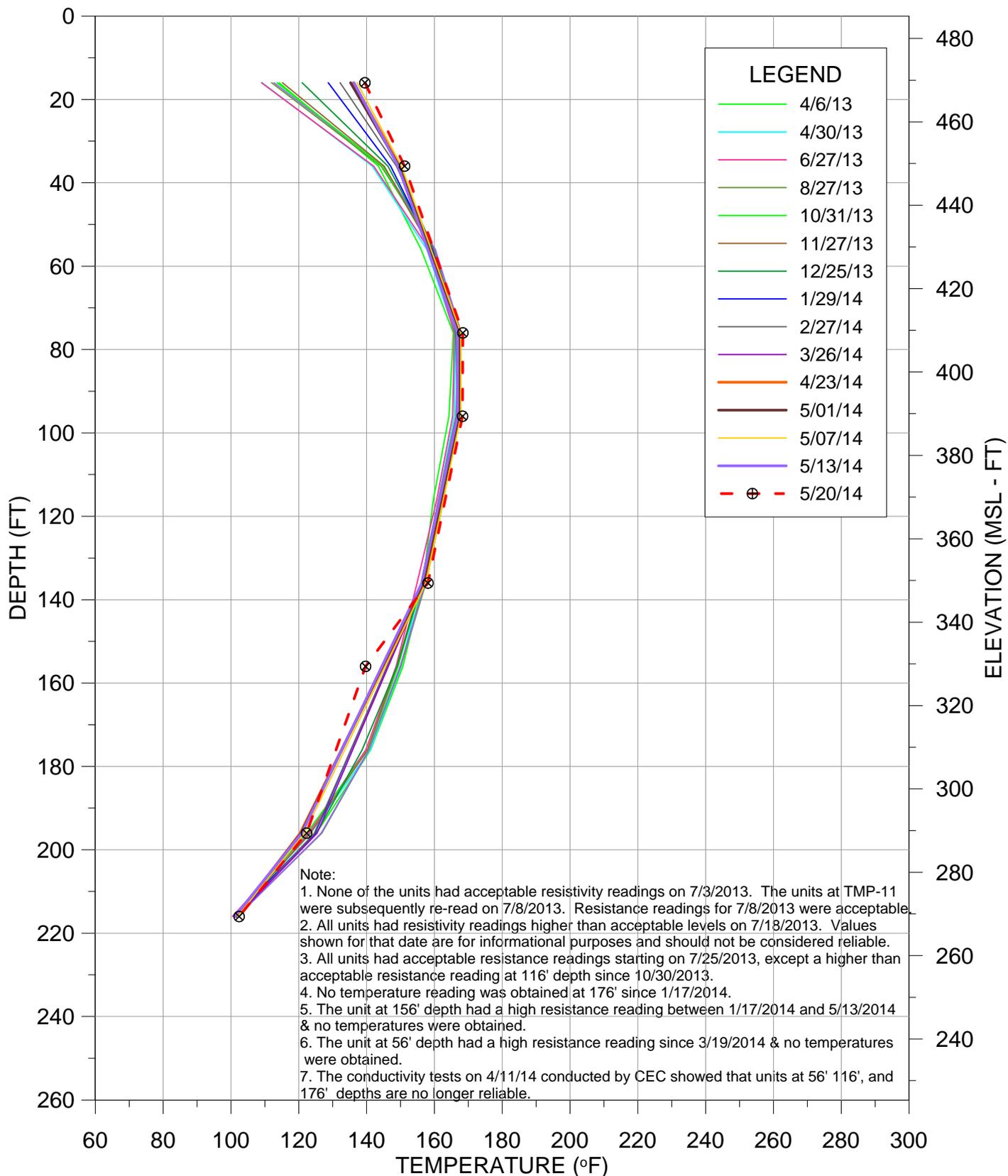
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-10



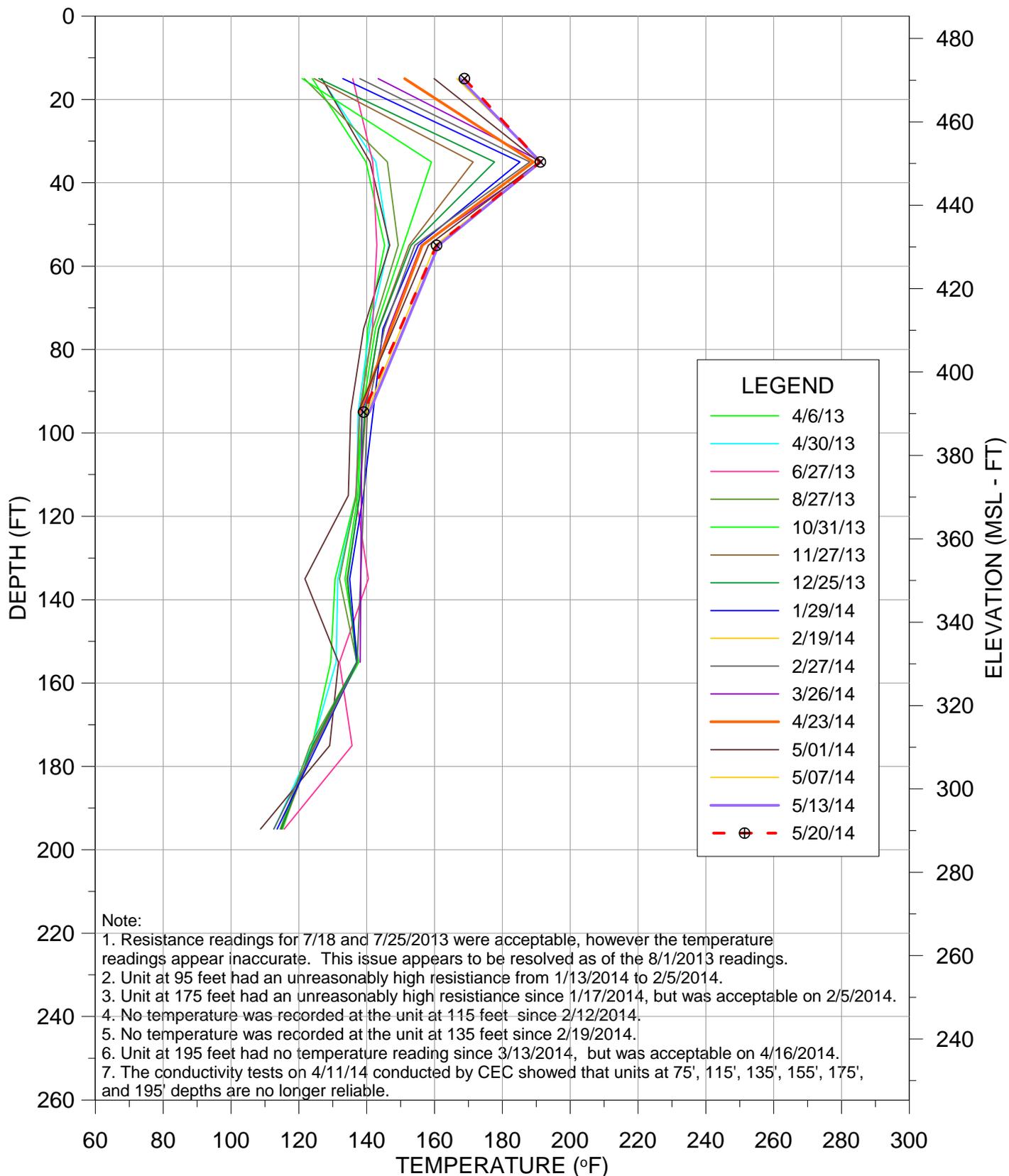
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-11



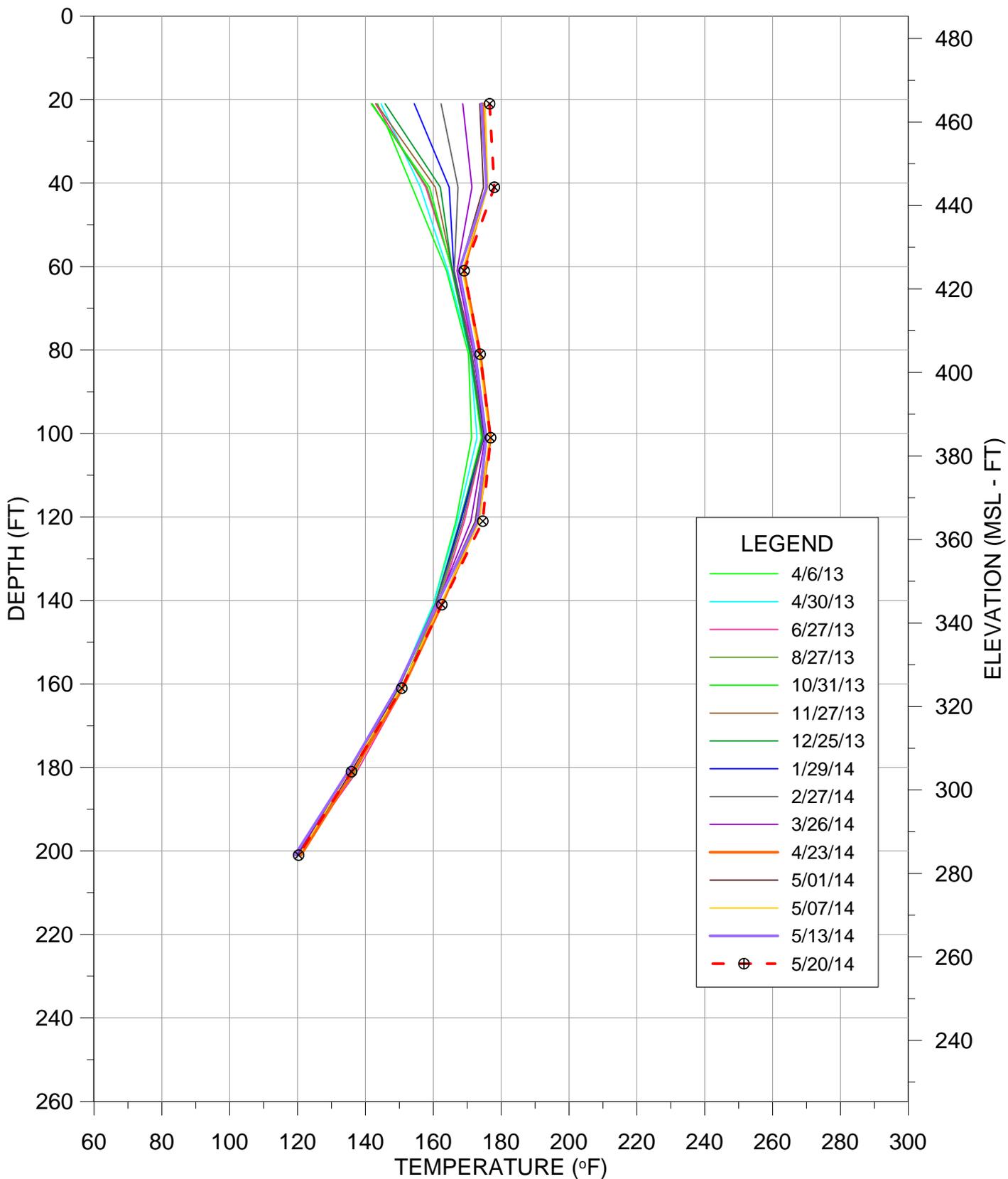
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-12



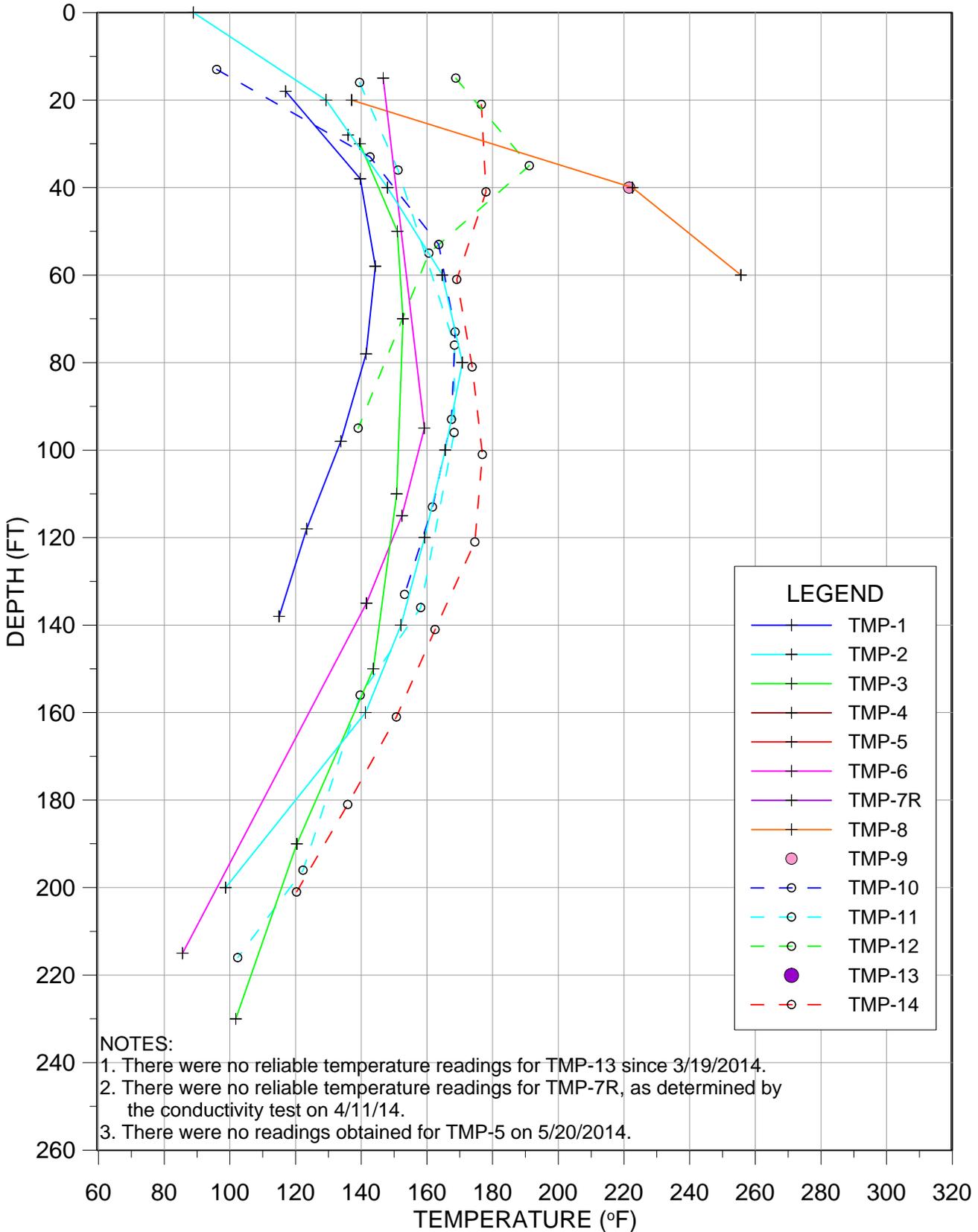
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-14



TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

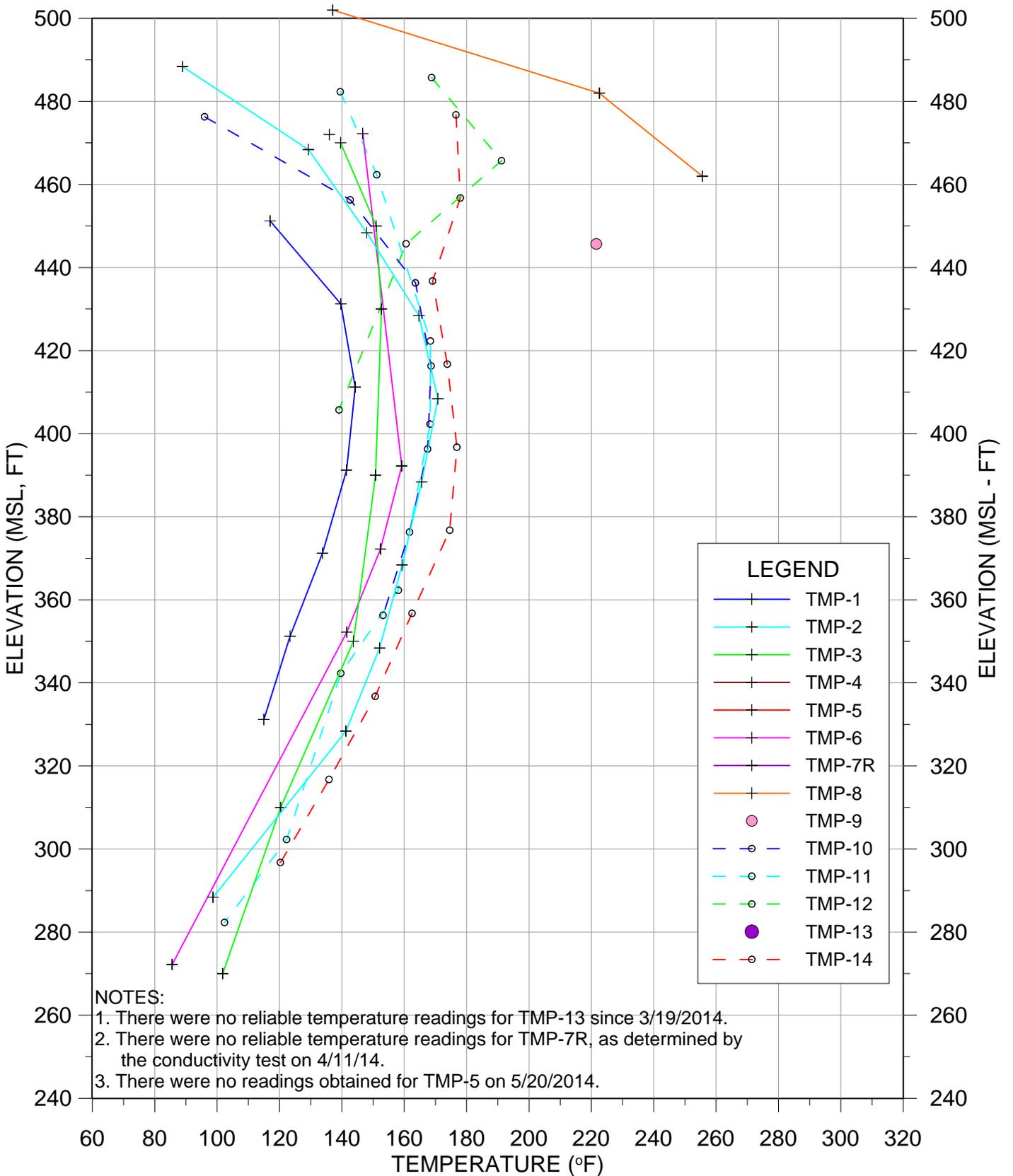
# 05/20/2014 -DEPTH



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 readings obtained for TMP-5 on 5/20/2014.

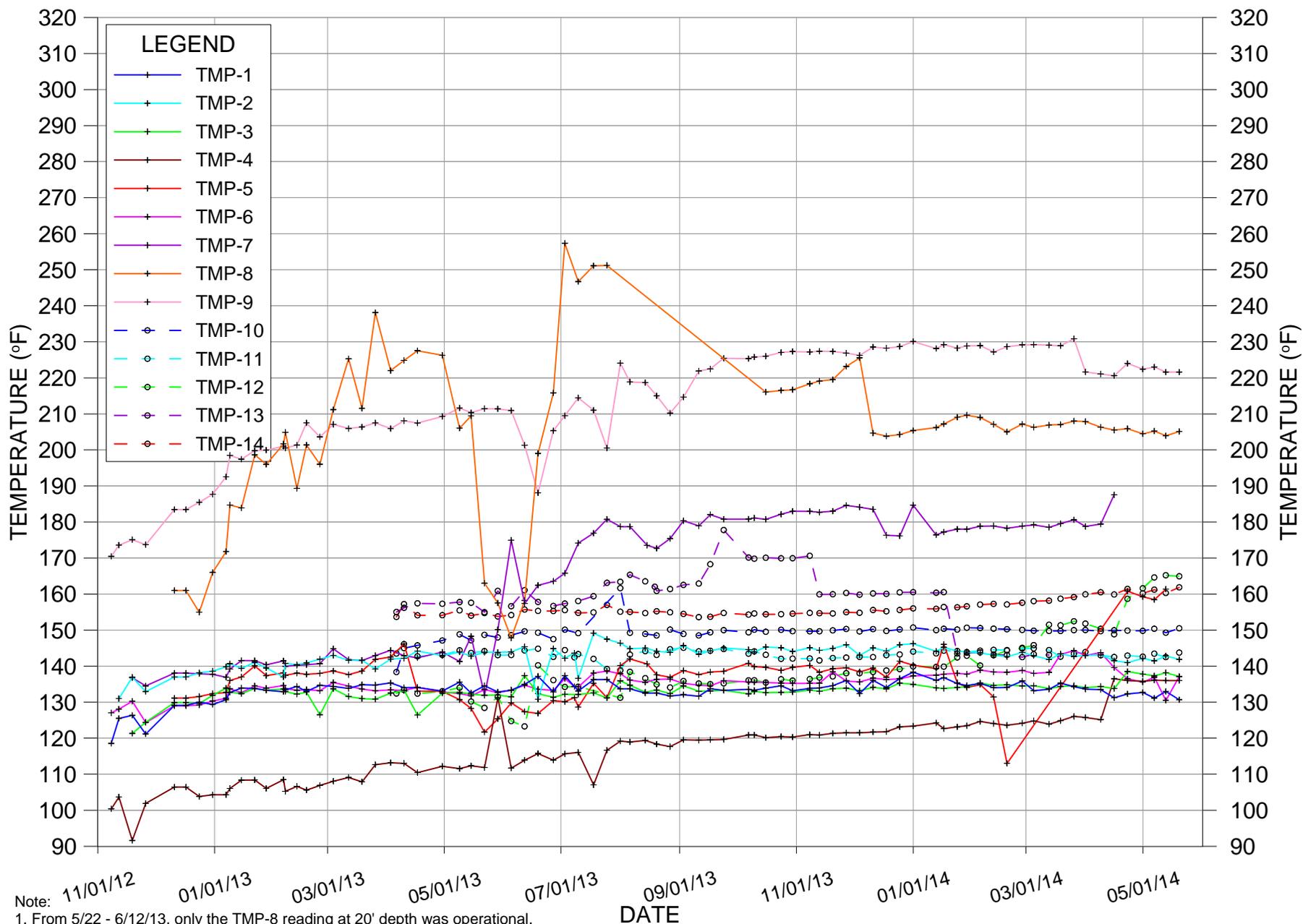
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# 05/20/2014 - ELEVATION



TEMPERATURE VS ELEVATION  
BRIDGETON LANDFILL

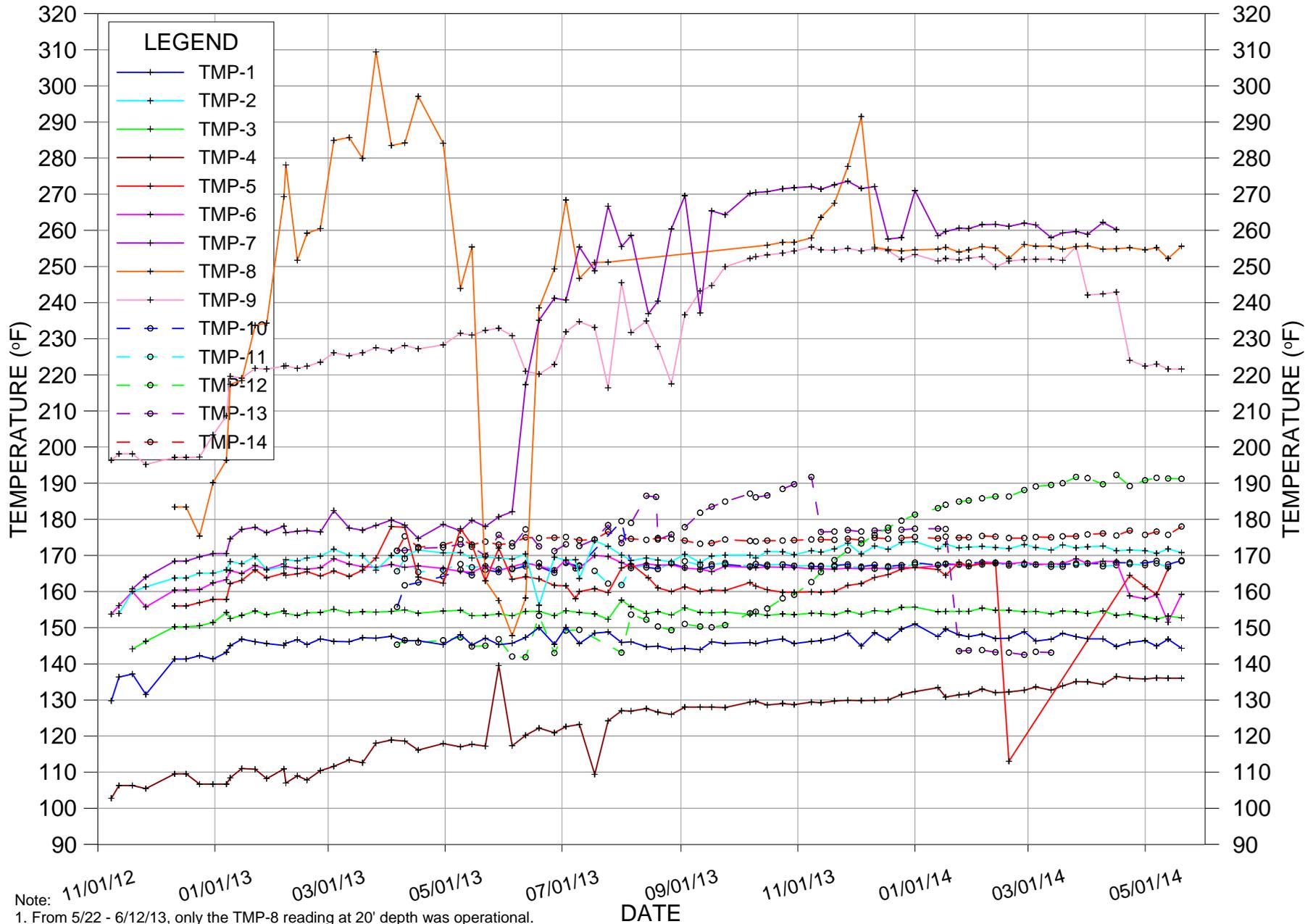
# AVERAGE TEMPERATURES



TEMPERATURE VS TIME  
BRIDGETON LANDFILL

- Note:
- 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.
  - A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
  - No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
  - 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.

# 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
- 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.
  - A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
  - No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
  - 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

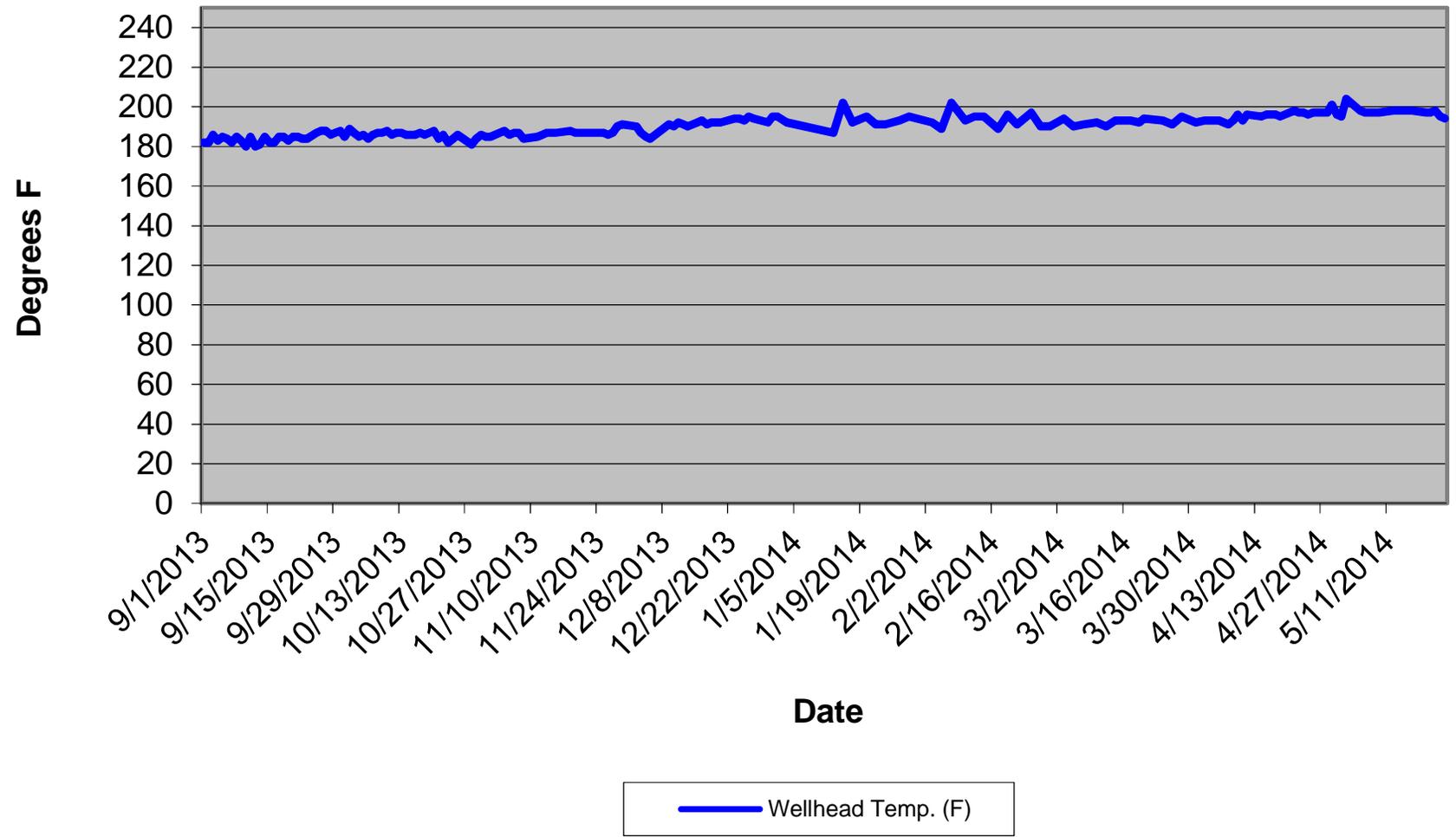
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**ATTACHMENT C**

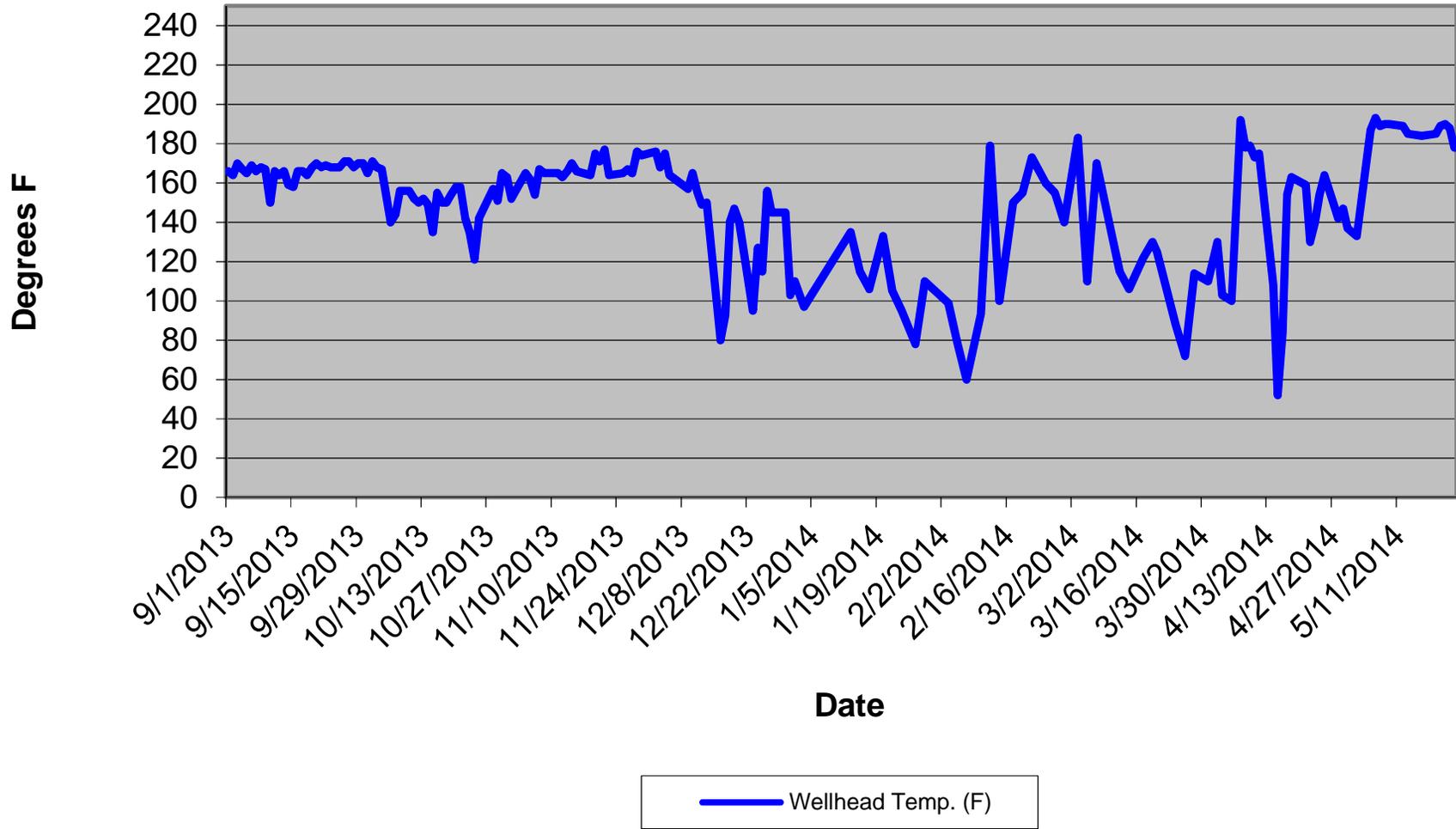
**GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS**

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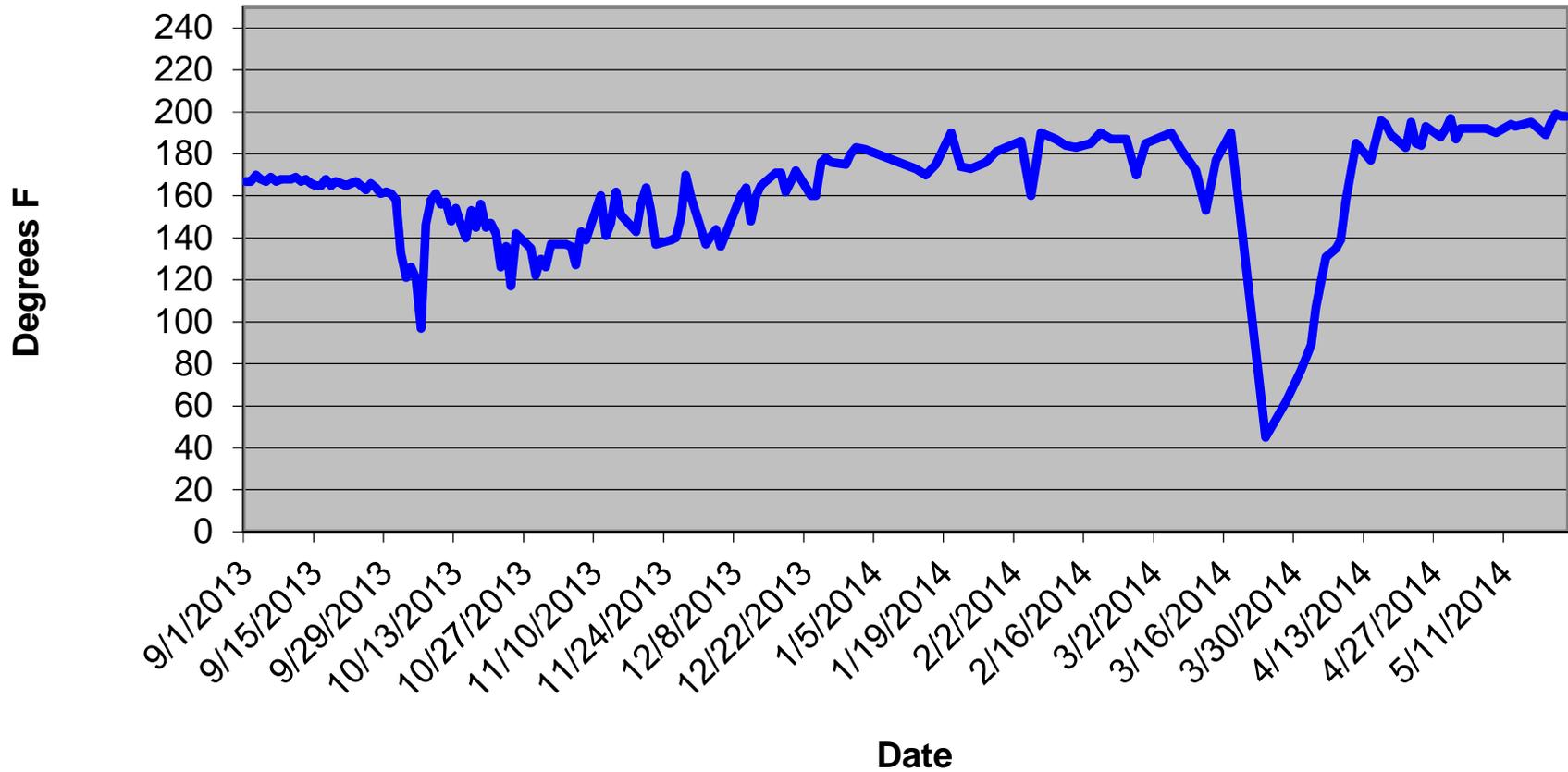
### GIW-1 Wellhead Temperatures



### GIW-2 Wellhead Temperatures

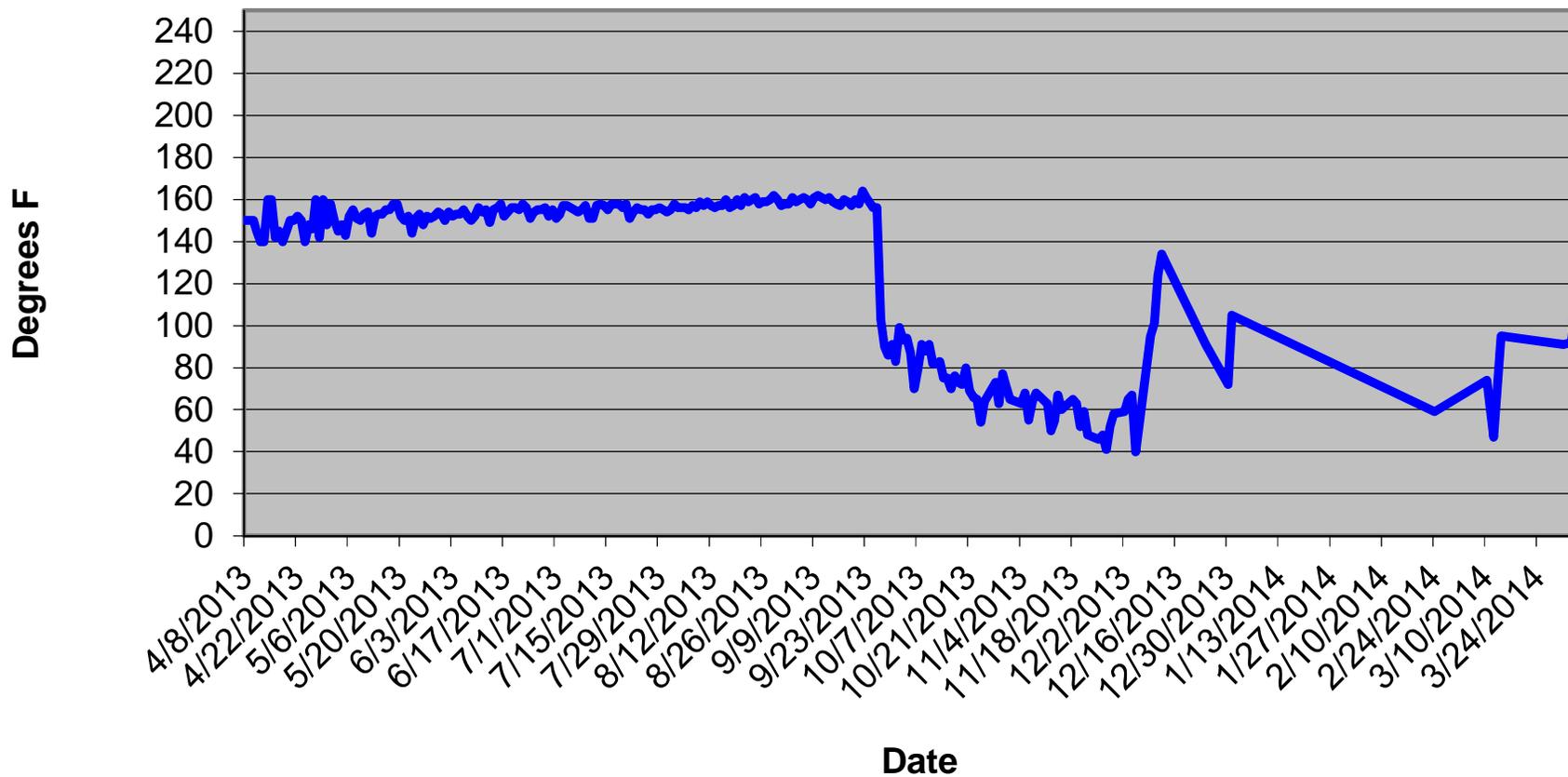


### GIW-3 Wellhead Temperatures



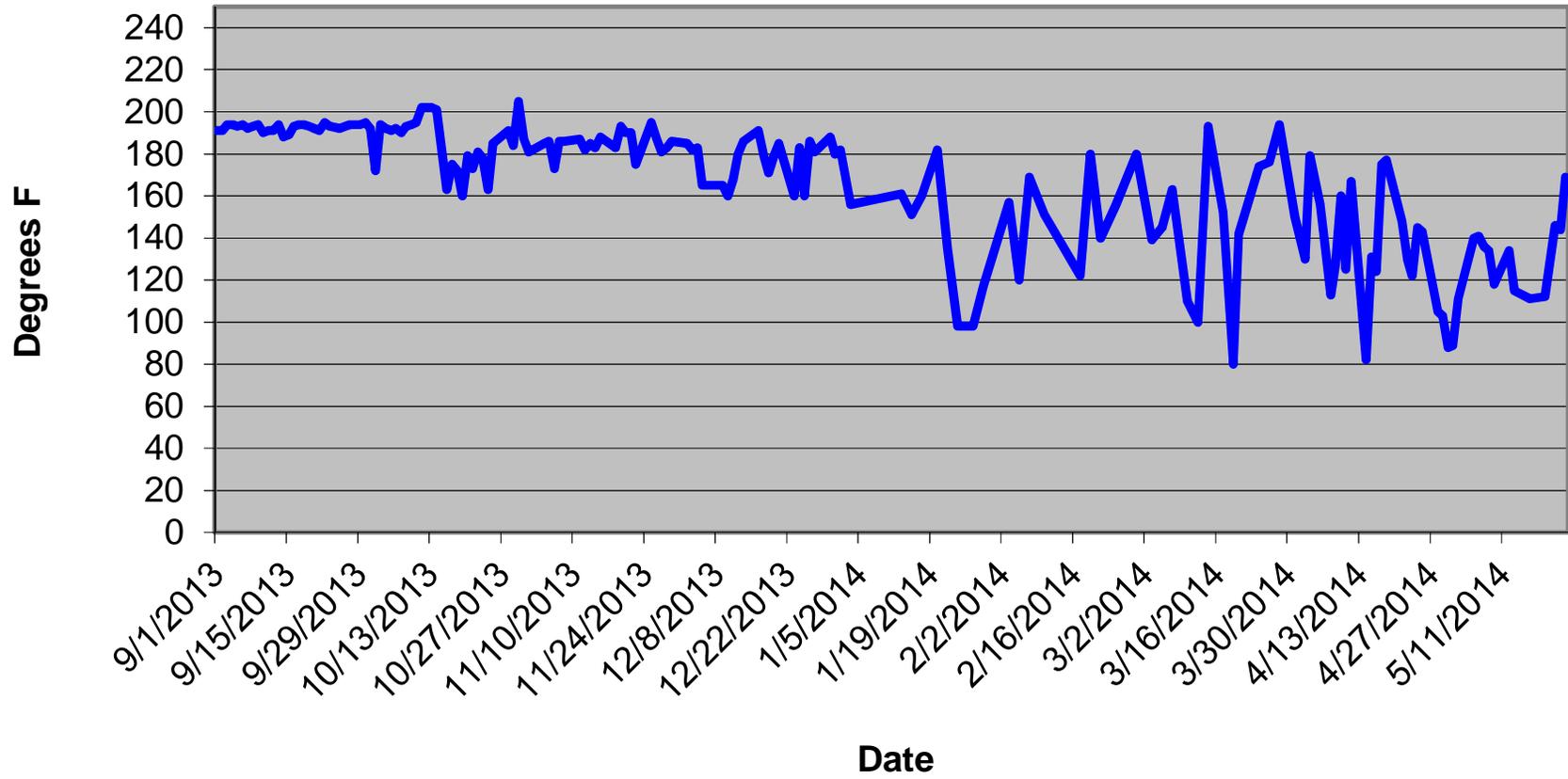
Wellhead Temp. (F)

### GIW-4 Wellhead Temperatures



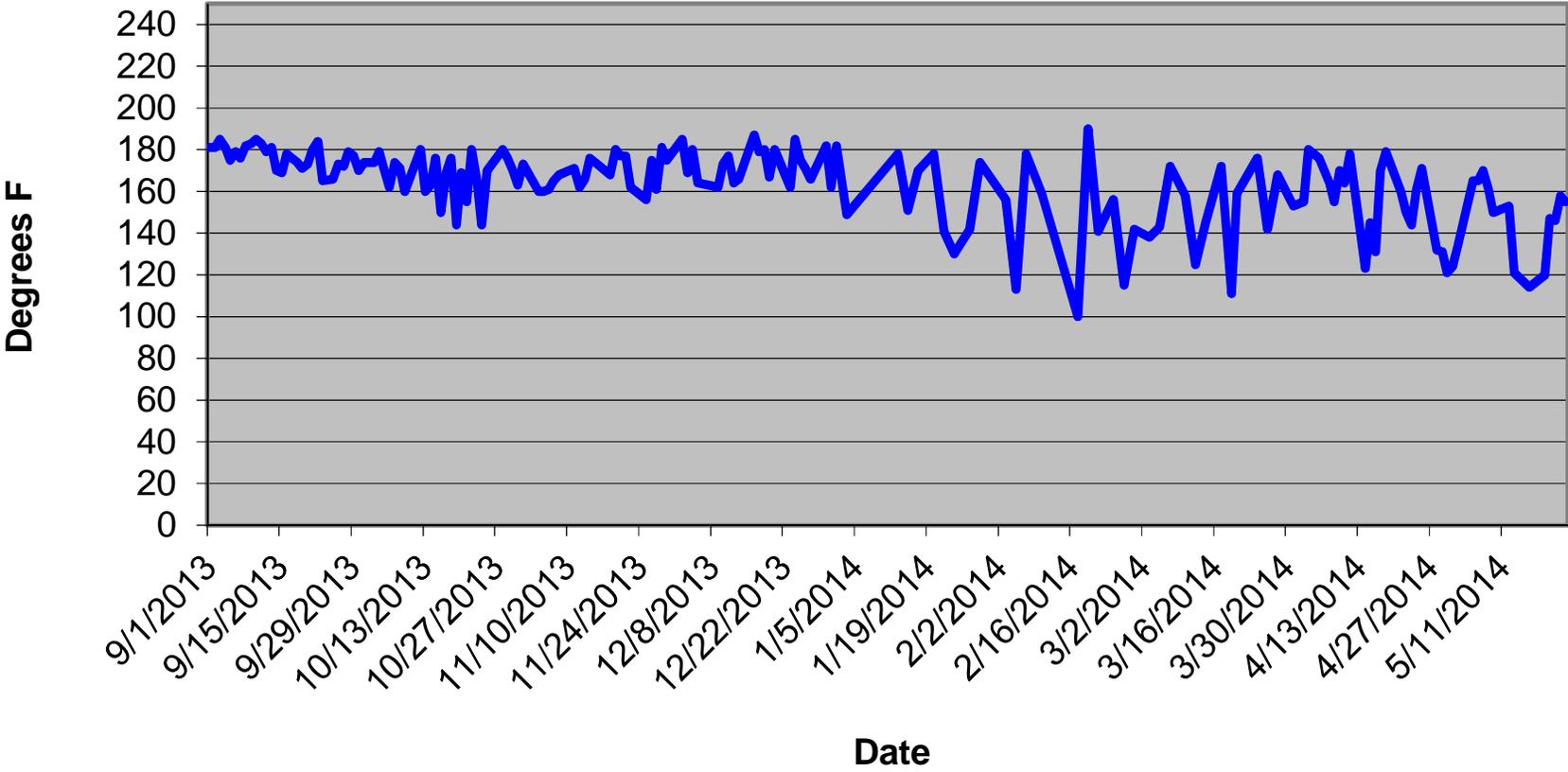
Wellhead Temp. (F)

### GIW-5 Wellhead Temperatures



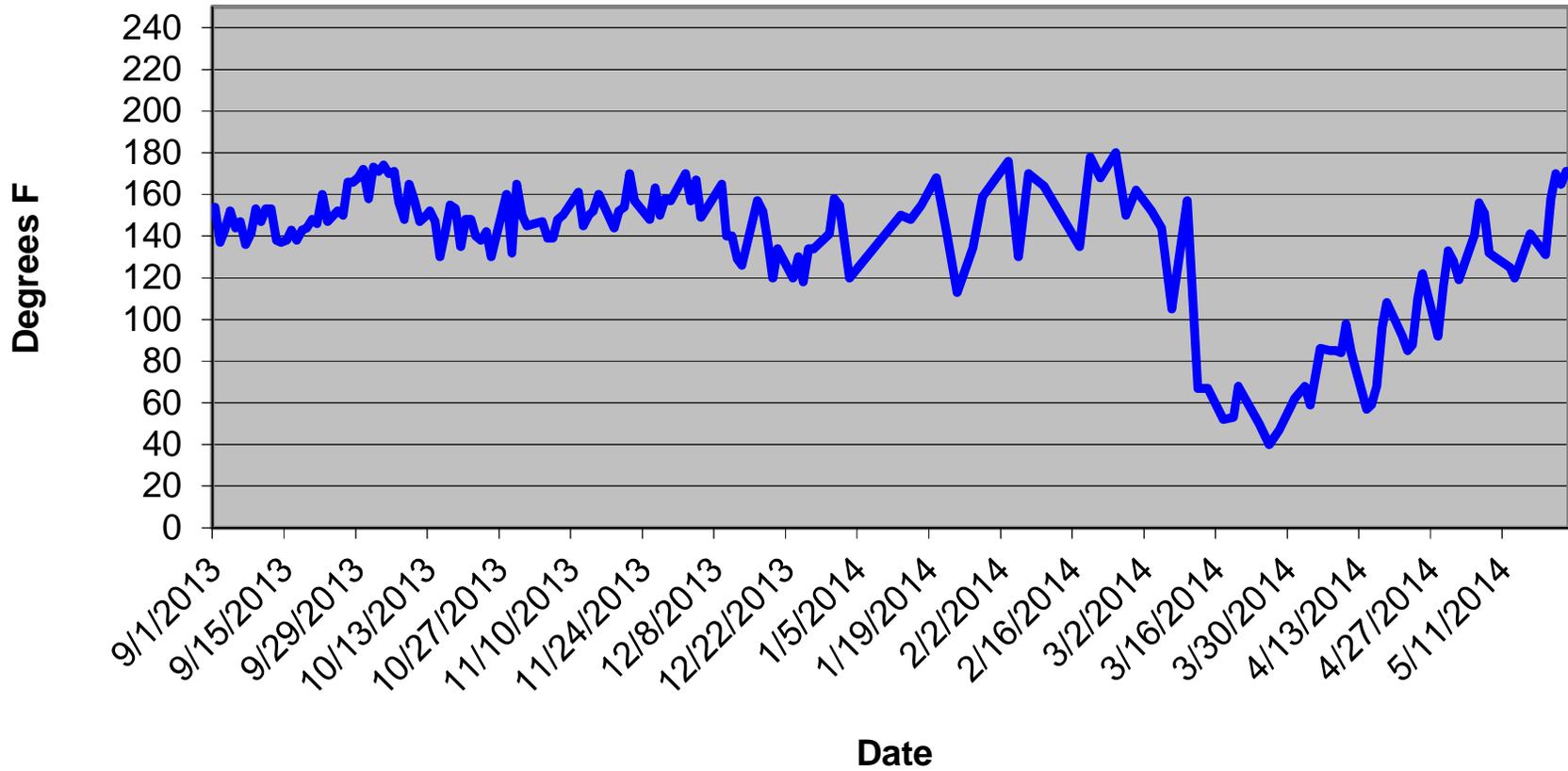
Wellhead Temp. (F)

### GIW-6 Wellhead Temperatures



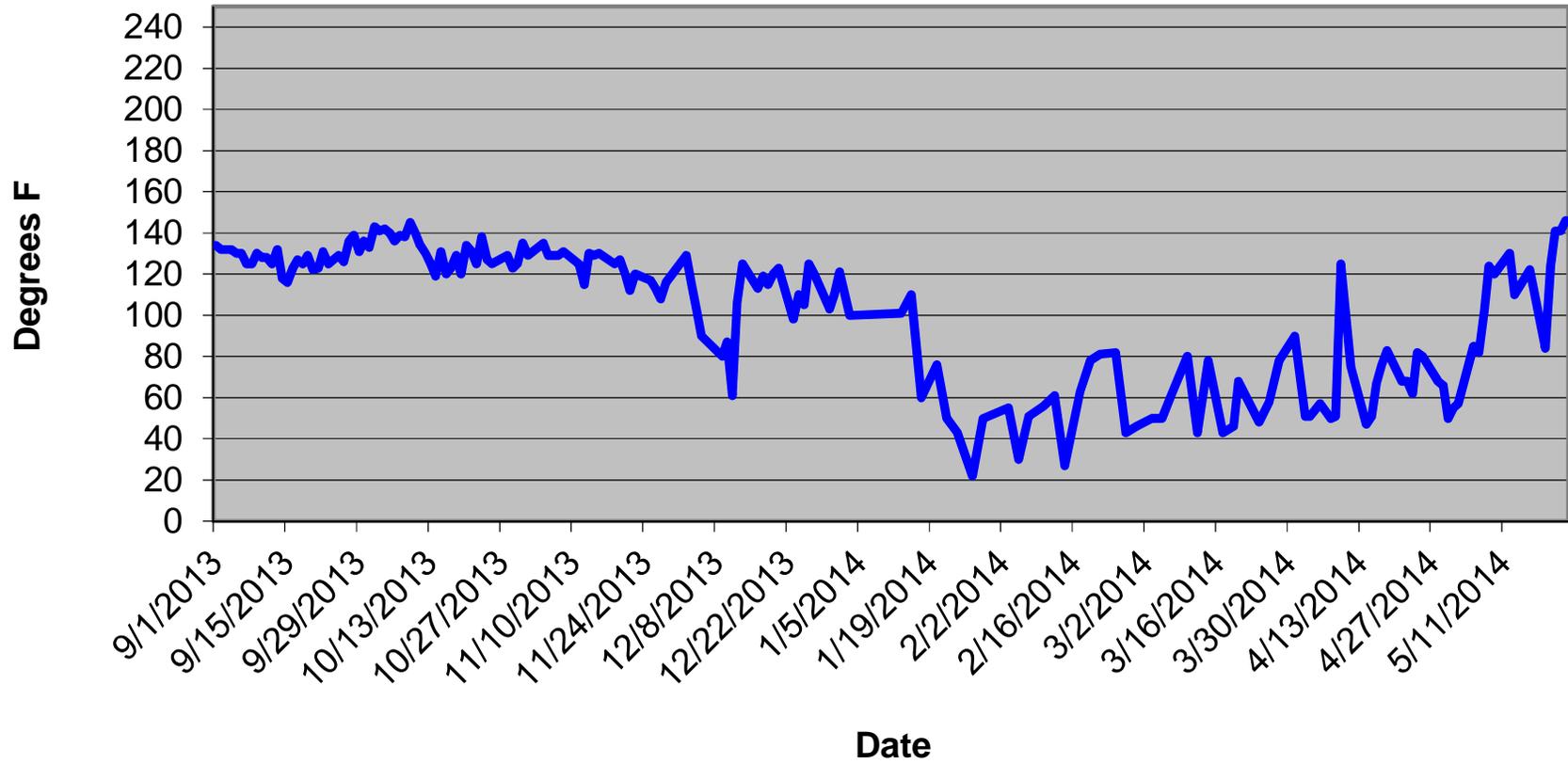
Wellhead Temp. (F)

### GIW-7 Wellhead Temperatures



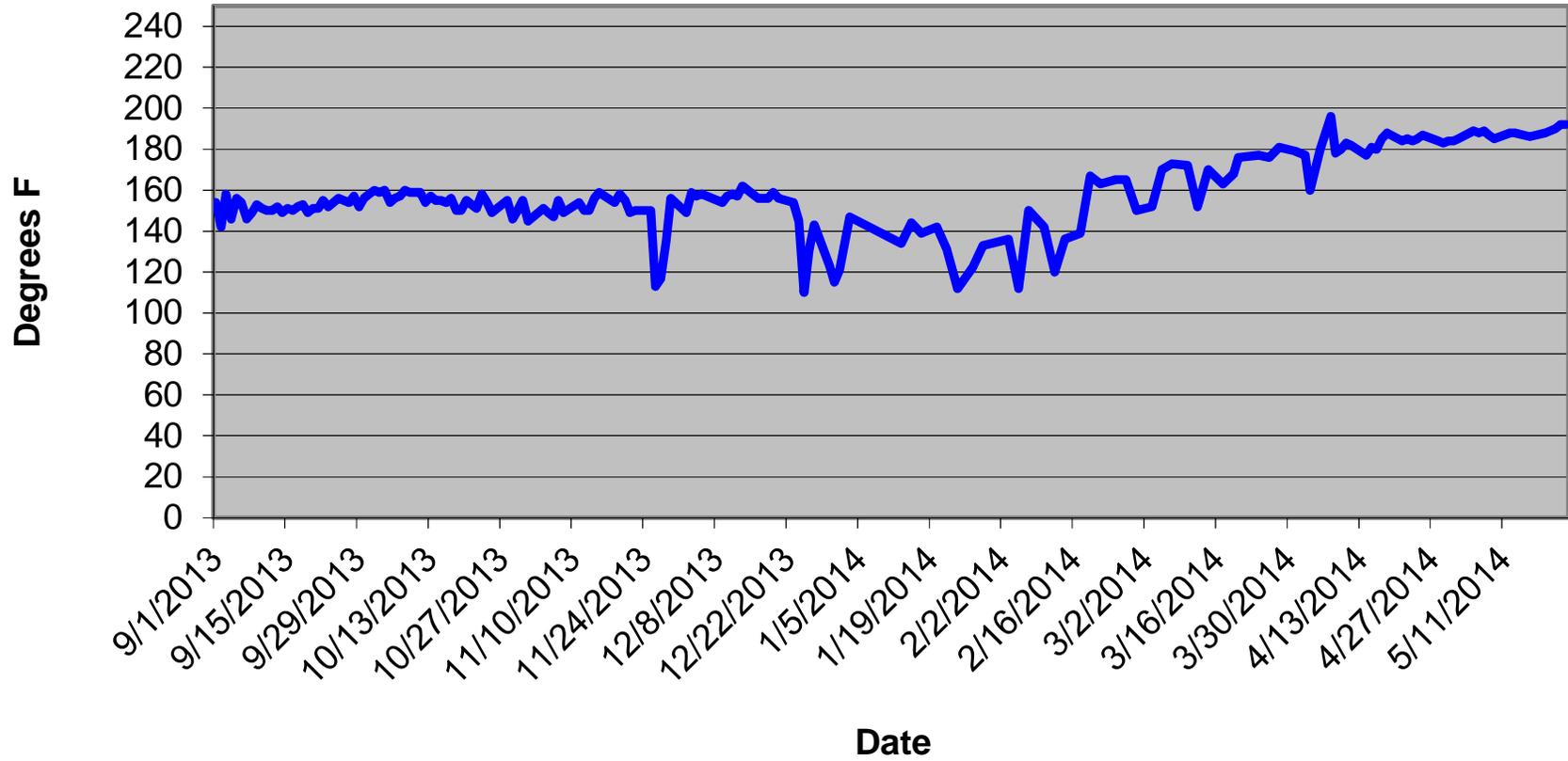
Wellhead Temp. (F)

### GIW-8 Wellhead Temperatures



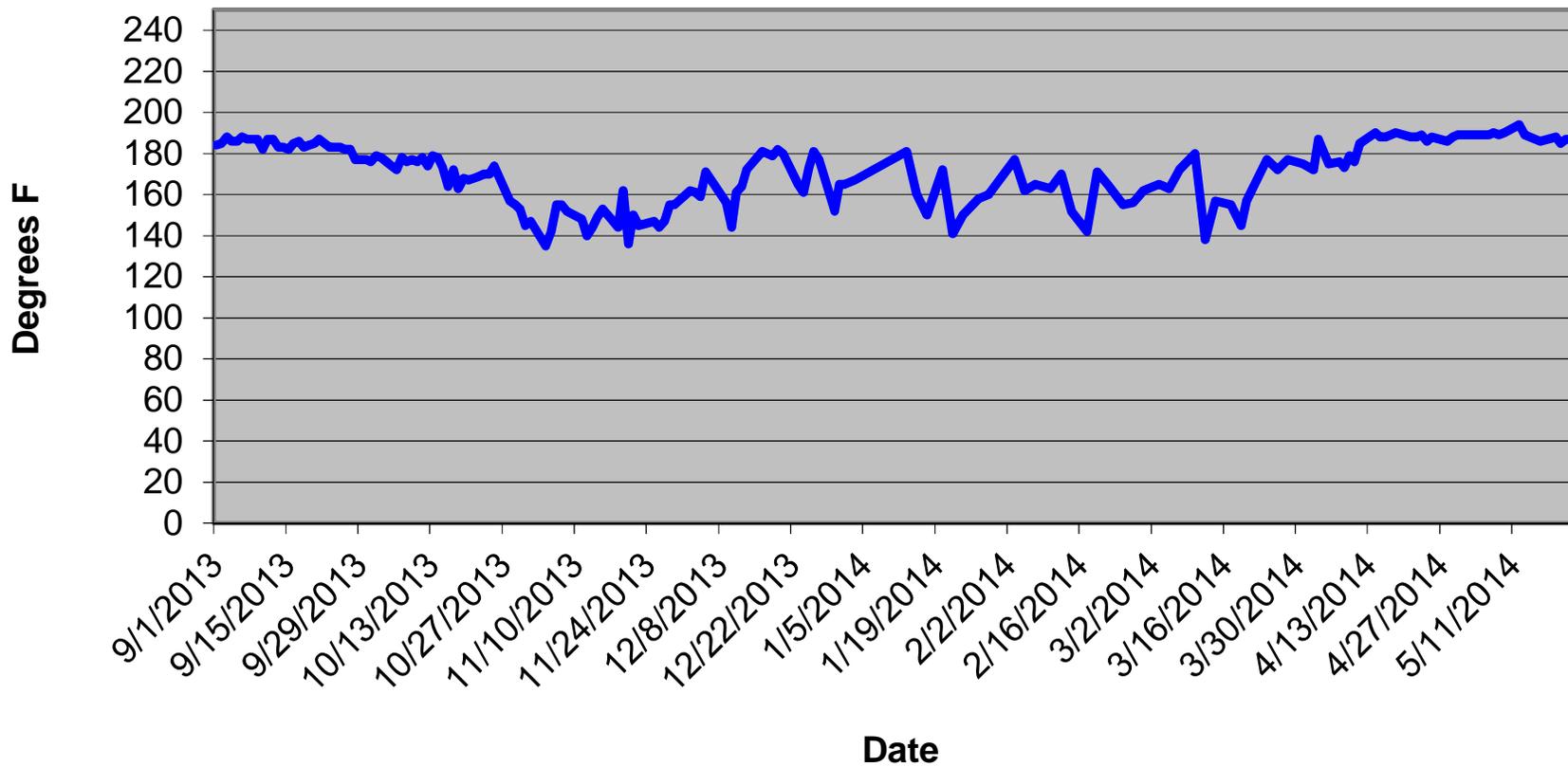
Wellhead Temp. (F)

### GIW-9 Wellhead Temperatures



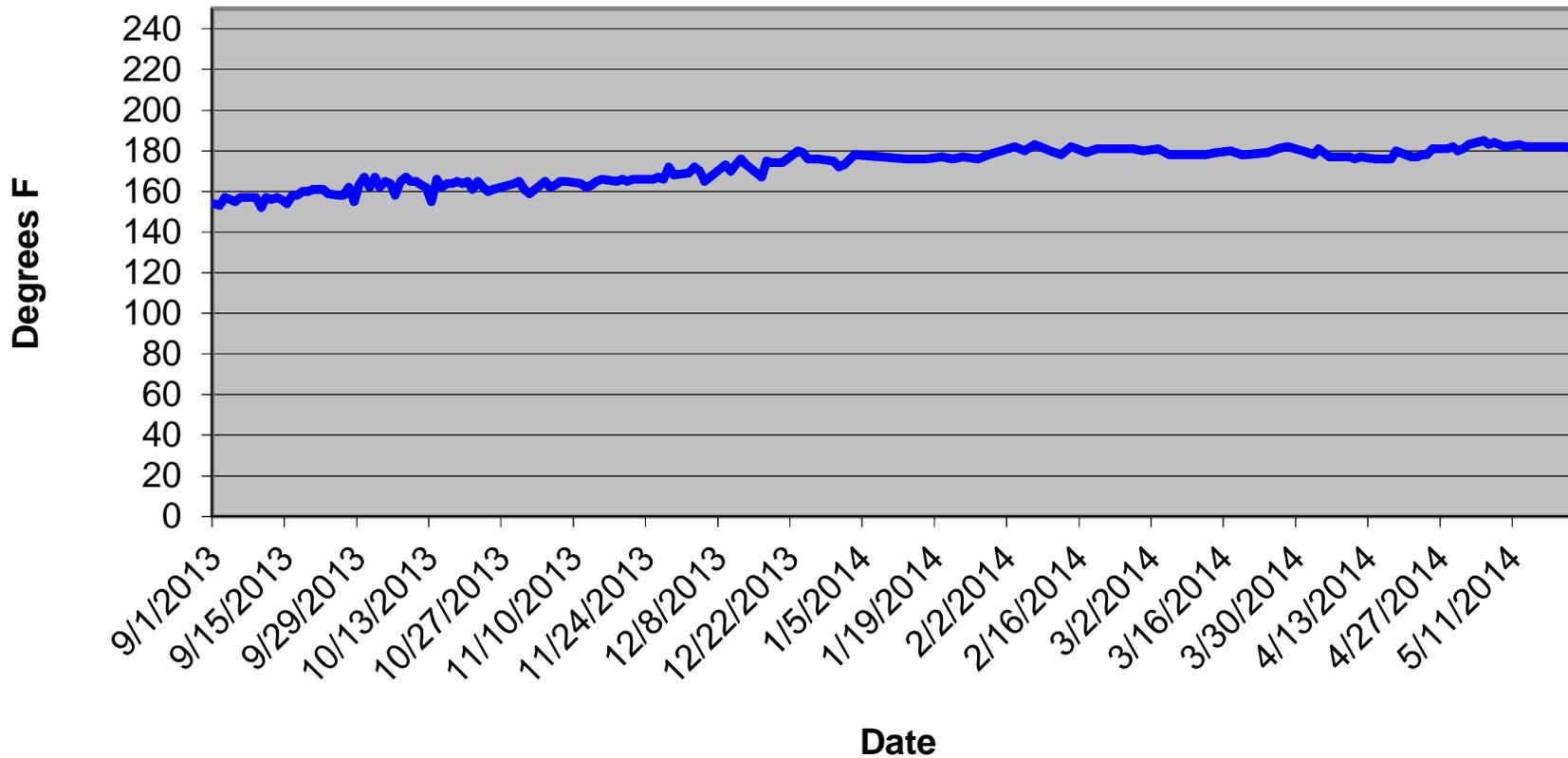
Wellhead Temp. (F)

### GIW-10 Wellhead Temperatures



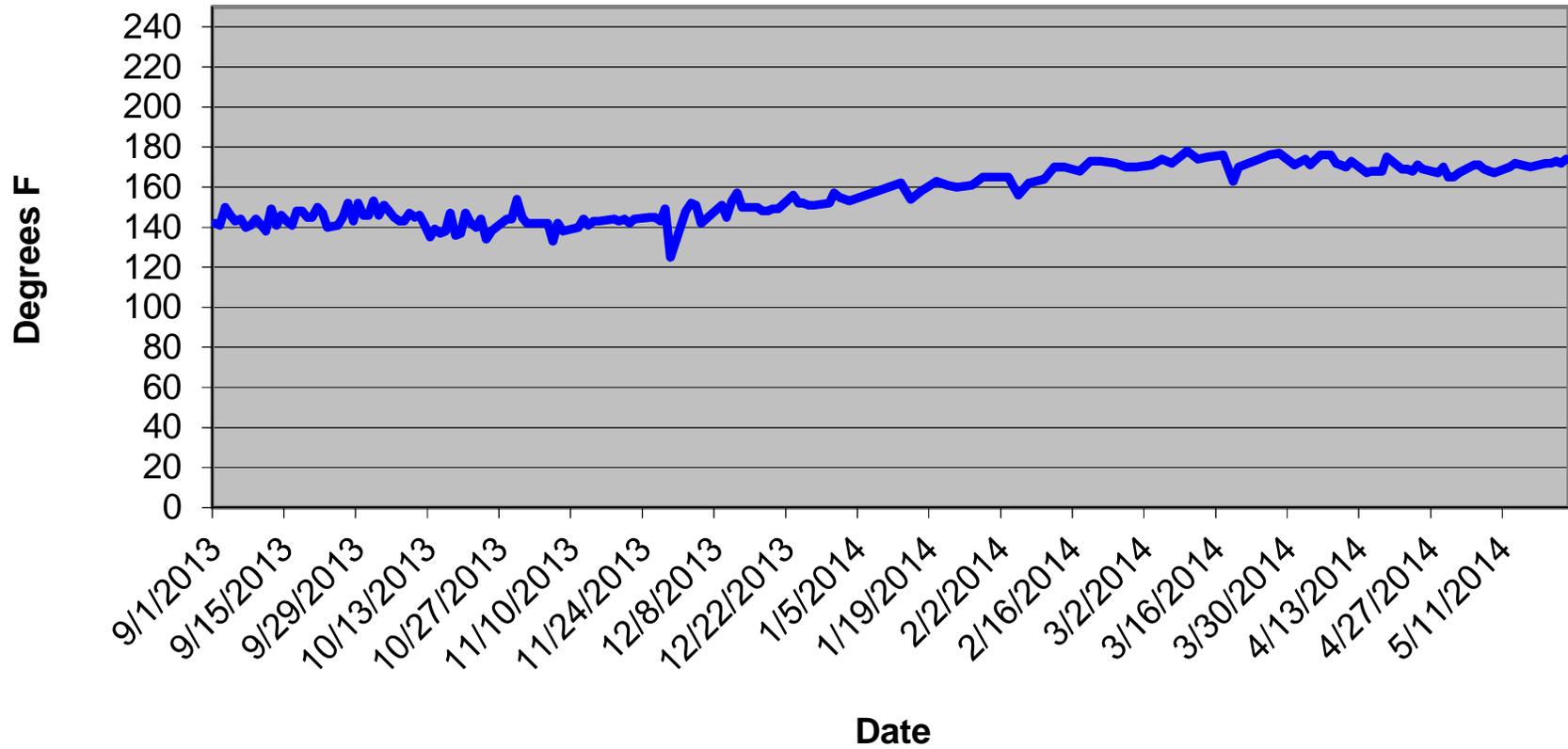
Wellhead Temp. (F)

### GIW-11 Wellhead Temperatures



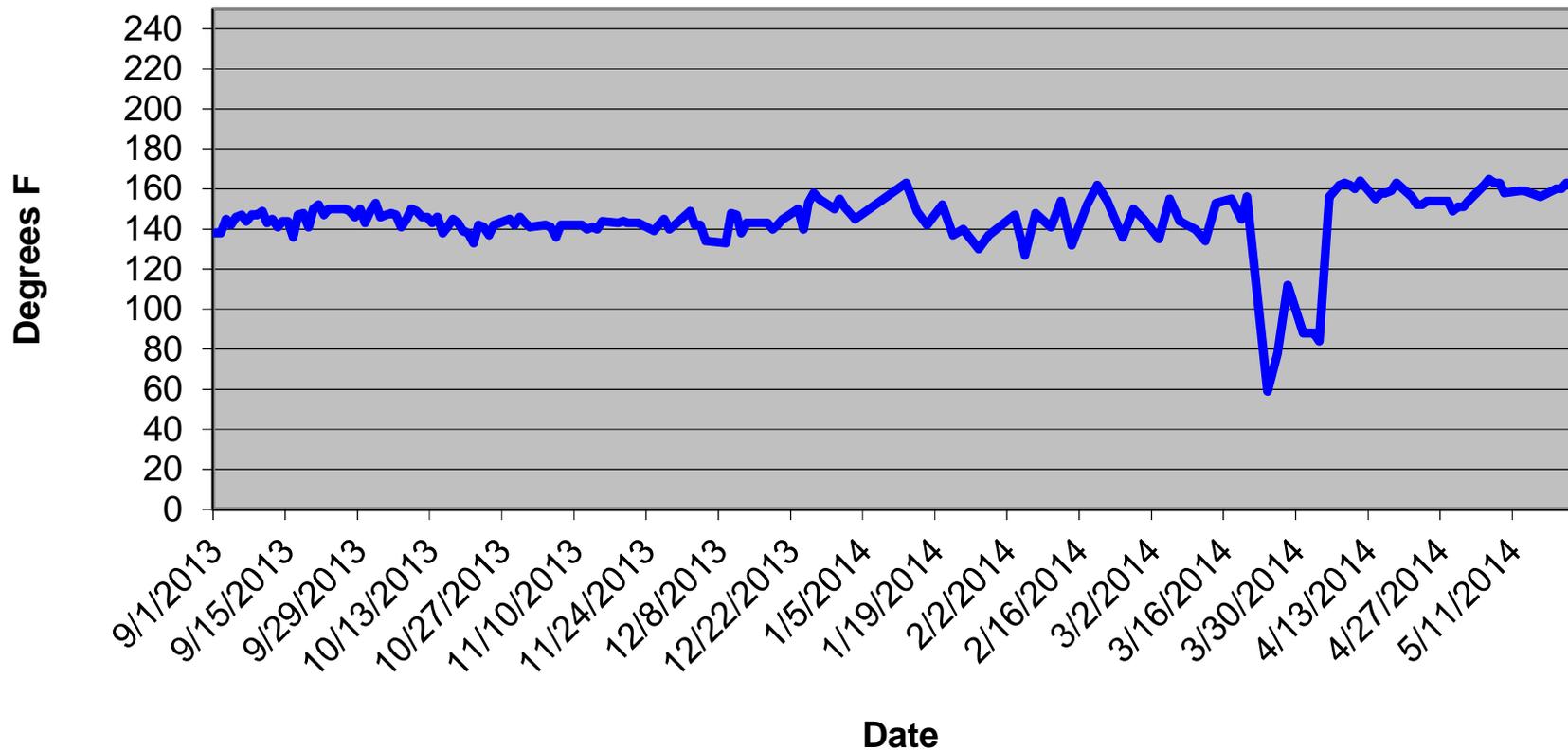
Wellhead Temp. (F)

### GIW-12 Wellhead Temperatures



Wellhead Temp. (F)

### GIW-13 Wellhead Temperatures



Wellhead Temp. (F)