

# **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**

**October 21, 2014**

## **Commentary on Data**

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

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

The pump in LCS-2D was off during the weekly monitoring event due to an “over current” error.

The pump in LCS-3C was non-operational during the weekly monitoring event.

The transducer melted in LCS-3D in March 2014 and is currently non-operational.

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 generally consistent profiles to previous observations: TMP-1, -2, -3, -4, -5, -6, -8, -9, -10, -11, -12, -14, -16, -17, and -18. However, it should be noted that the 17-foot interval of TMP-6 and TMP-11, as well as the 40-foot interval increased slightly in the latest reading.

TMP-7, -7R, -13, and -15 have been removed from the presentation based on unreliable thermocouple measurements or other documented issues.

### **Attachment C - Gas Interceptor Wellhead Temperature Graphs**

There are currently water circulation cooling loops installed in the following Gas Interceptor Wells (GIWs):

- GIW-2
- GIW-3
- GIW-4
- GIW-5
- GIW-6
- GIW-7
- GIW-10

Gas temperatures have dropped dramatically in these wells

For the remaining four wells without a cooling system installed (GIW-1, GIW-8, GIW-9, GIW-12, and GIW-13), temperatures were trending steady to slightly higher from the beginning to the end of the week. Temperatures in GIW-11 decreased over the past week, dramatically.

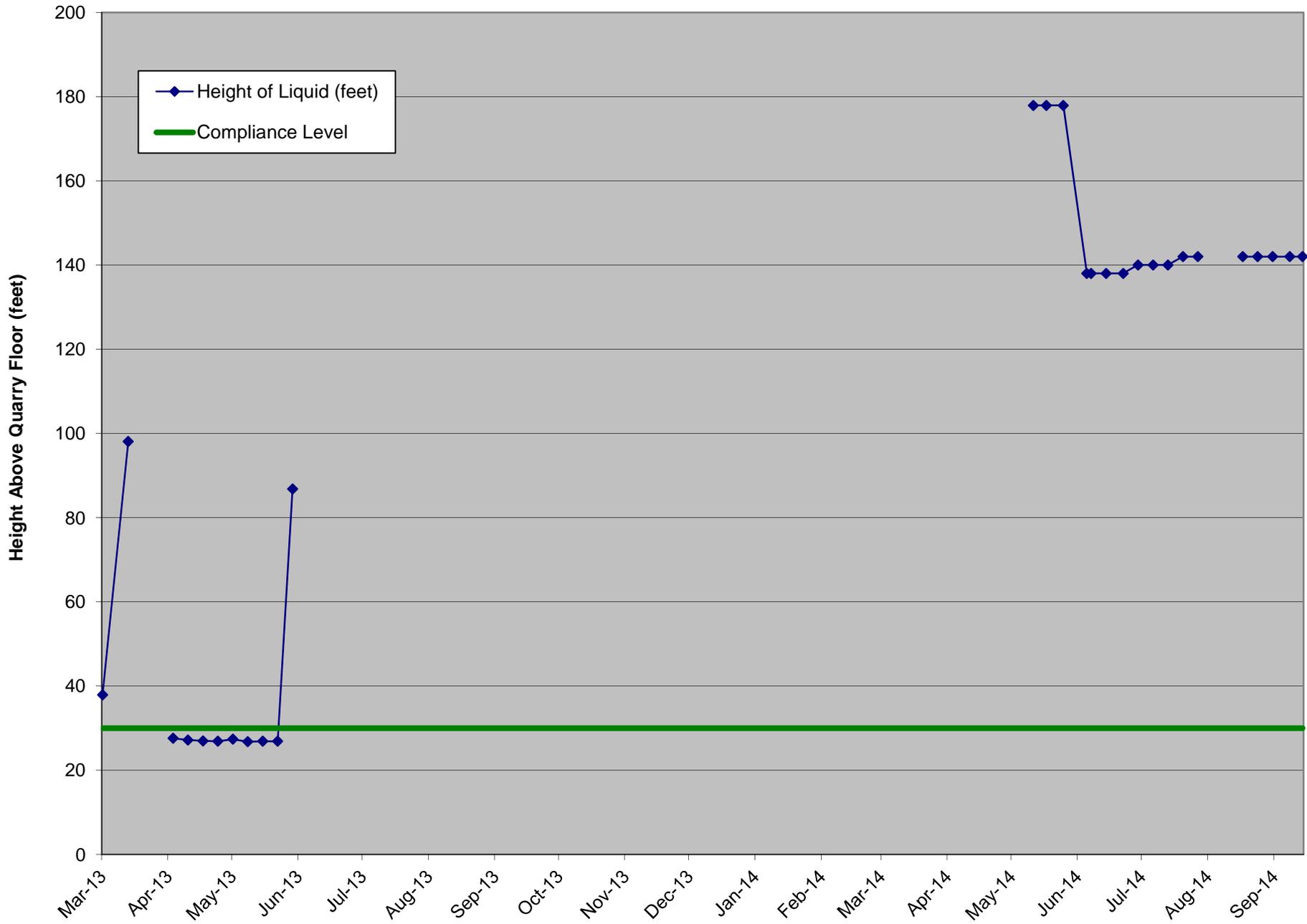
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**ATTACHMENT A**

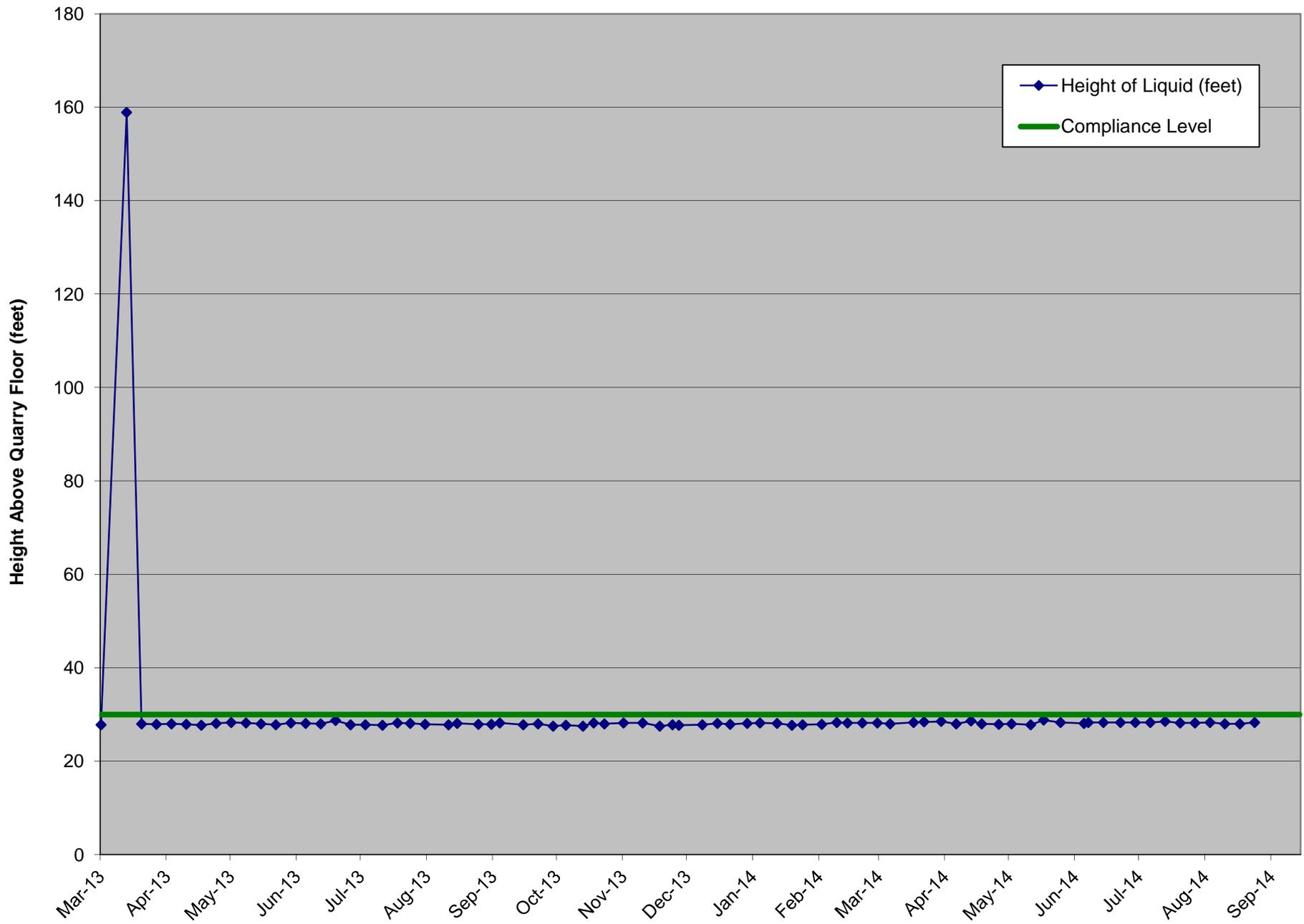
**LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS**

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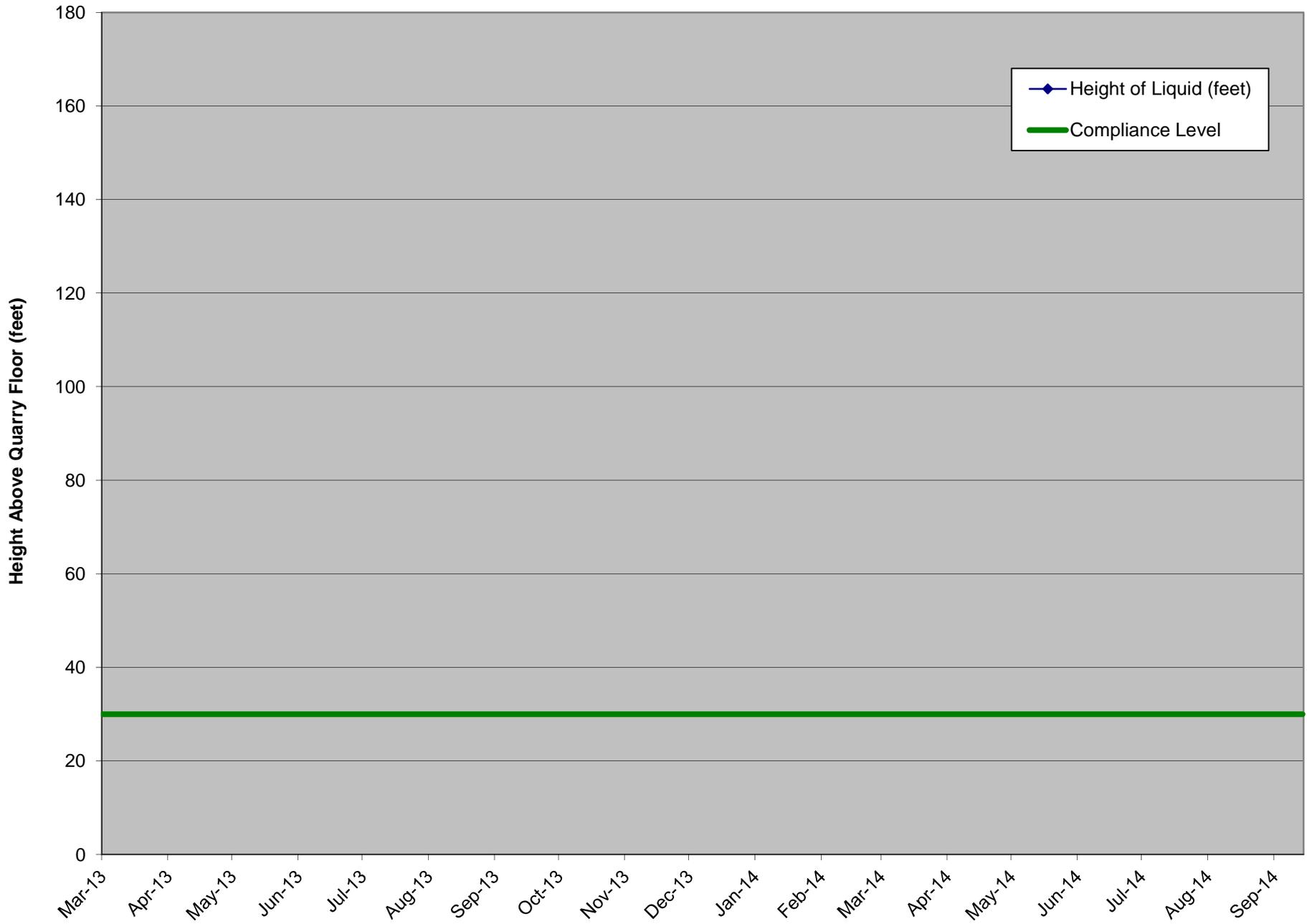
# LCS-1D Liquid Level Above Quarry Floor



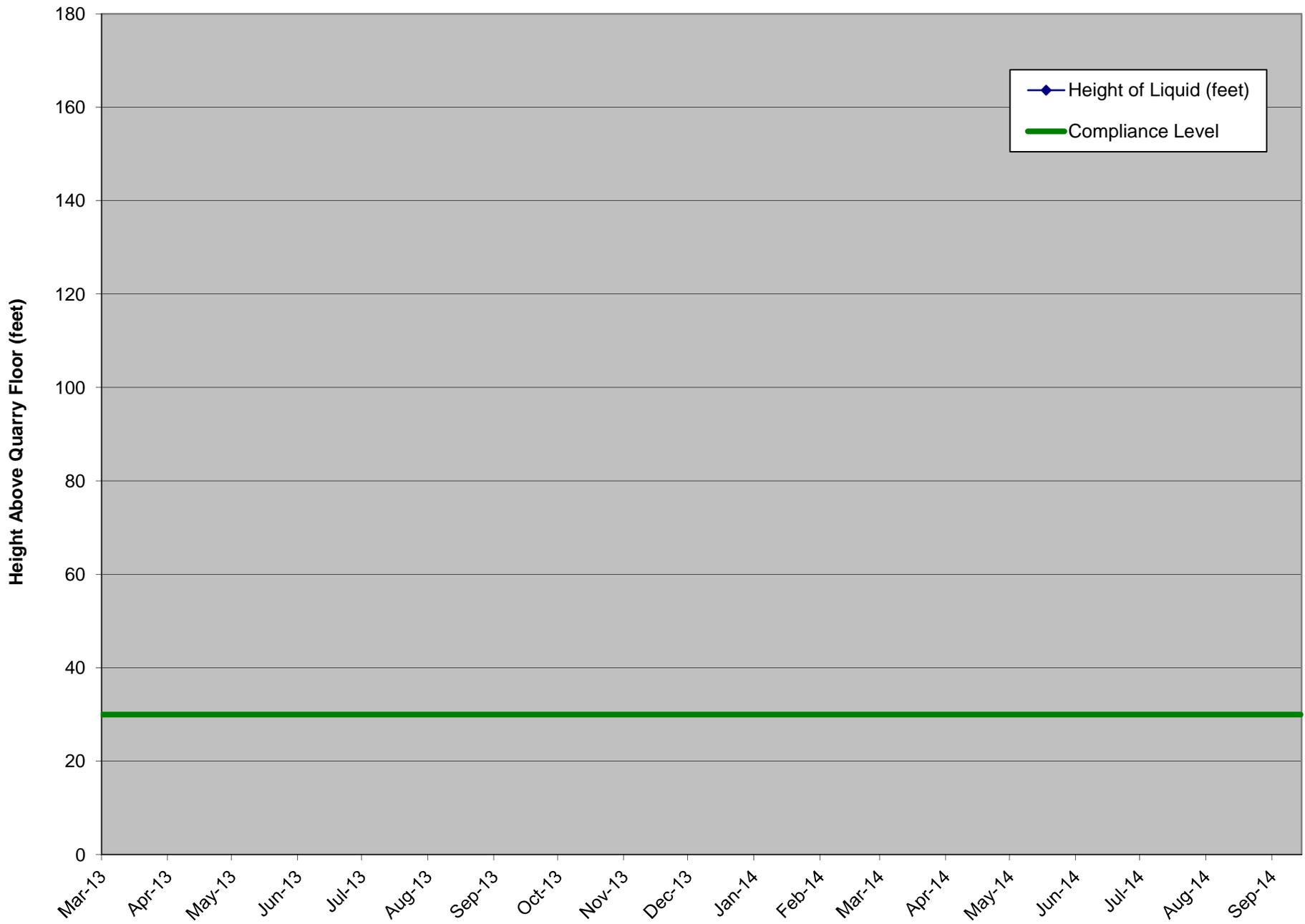
### LCS-2D Liquid Level Above Quarry Floor



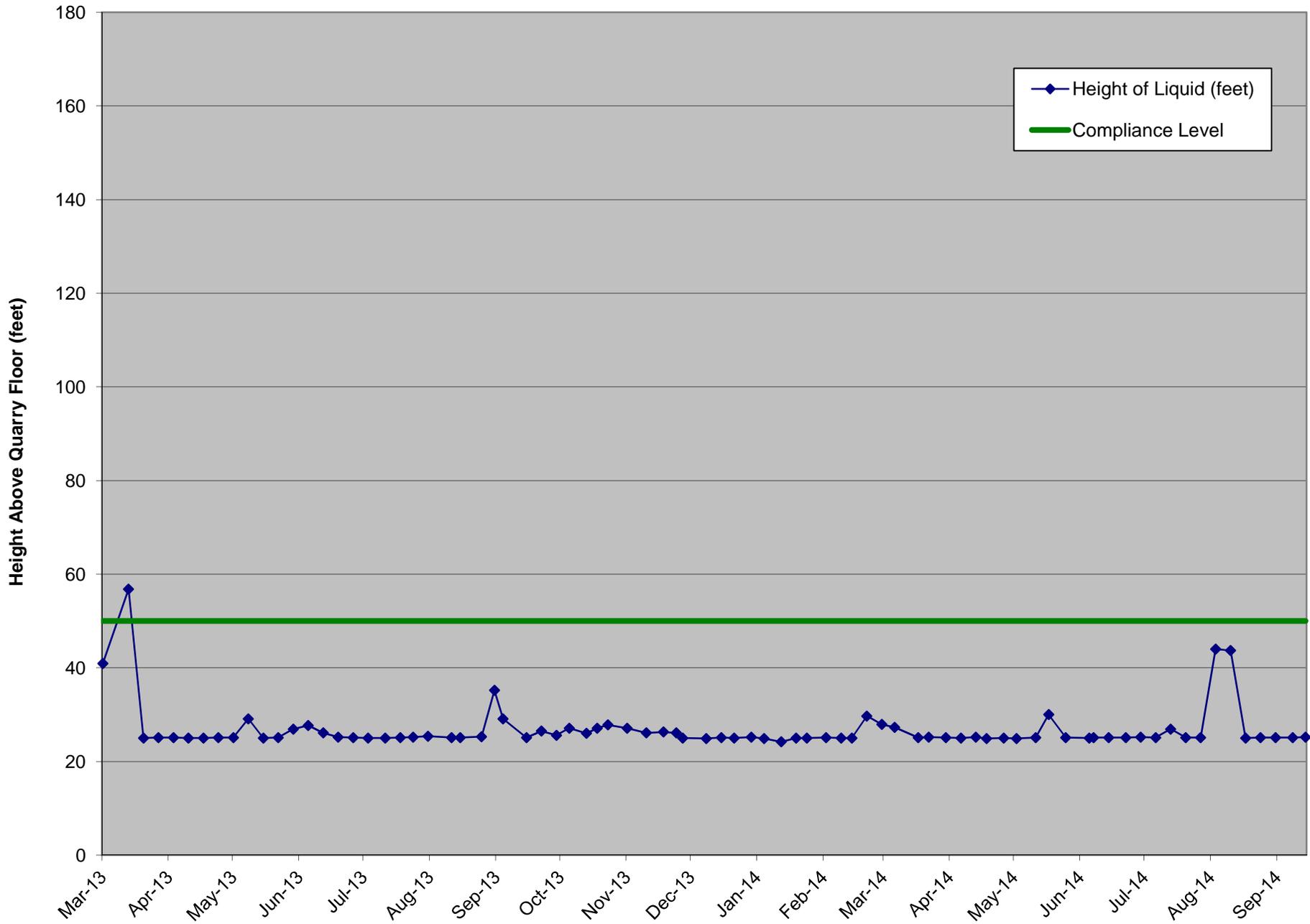
### LCS-3C Liquid Level Above Quarry Floor



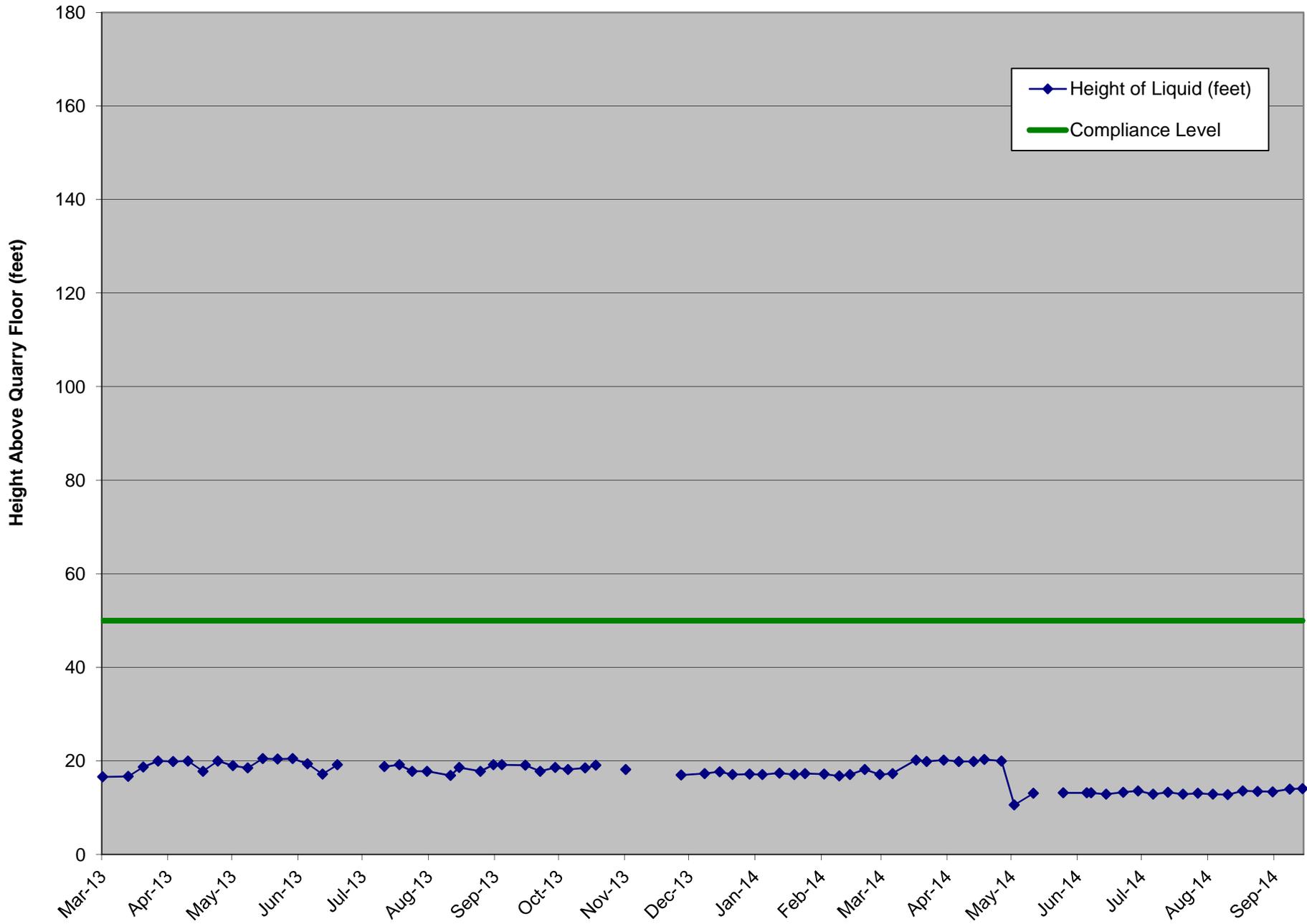
### LCS-4B Liquid Level Above Quarry Floor



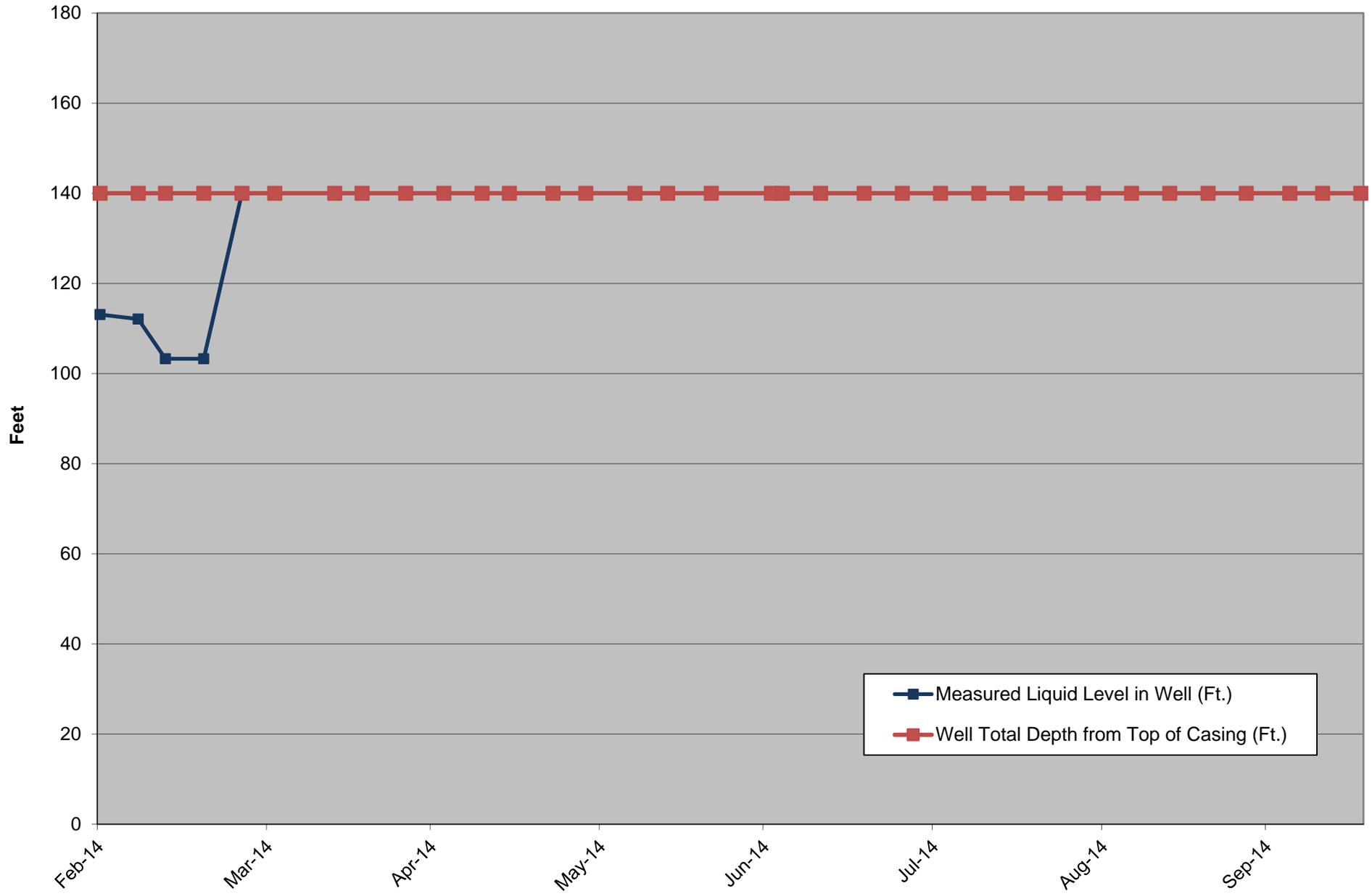
### LCS-5A Liquid Level Above Quarry Floor



# LCS-6B Liquid Level Above Quarry Floor



# LCS-3D Liquid Level



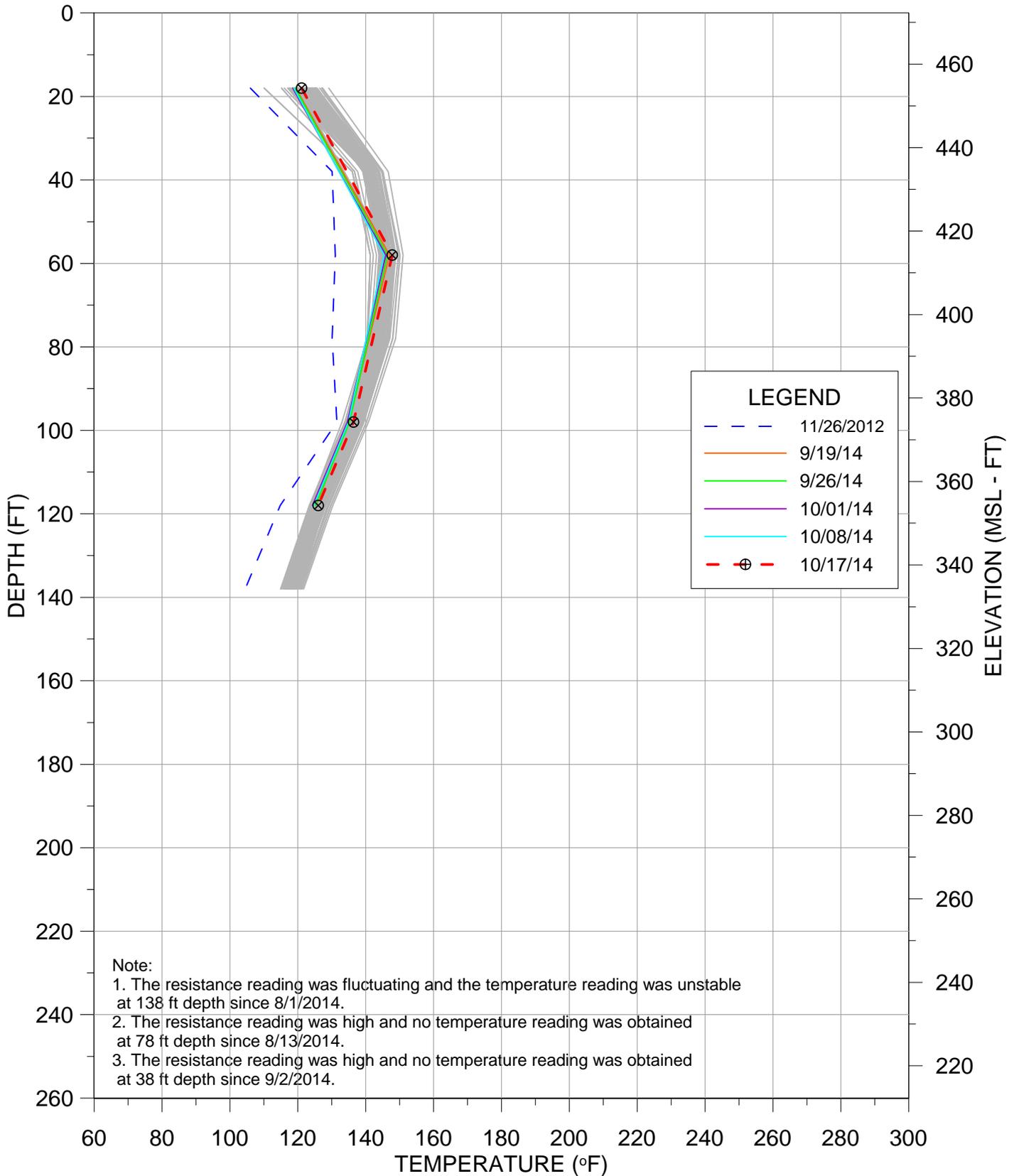
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**ATTACHMENT B**

**TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS**

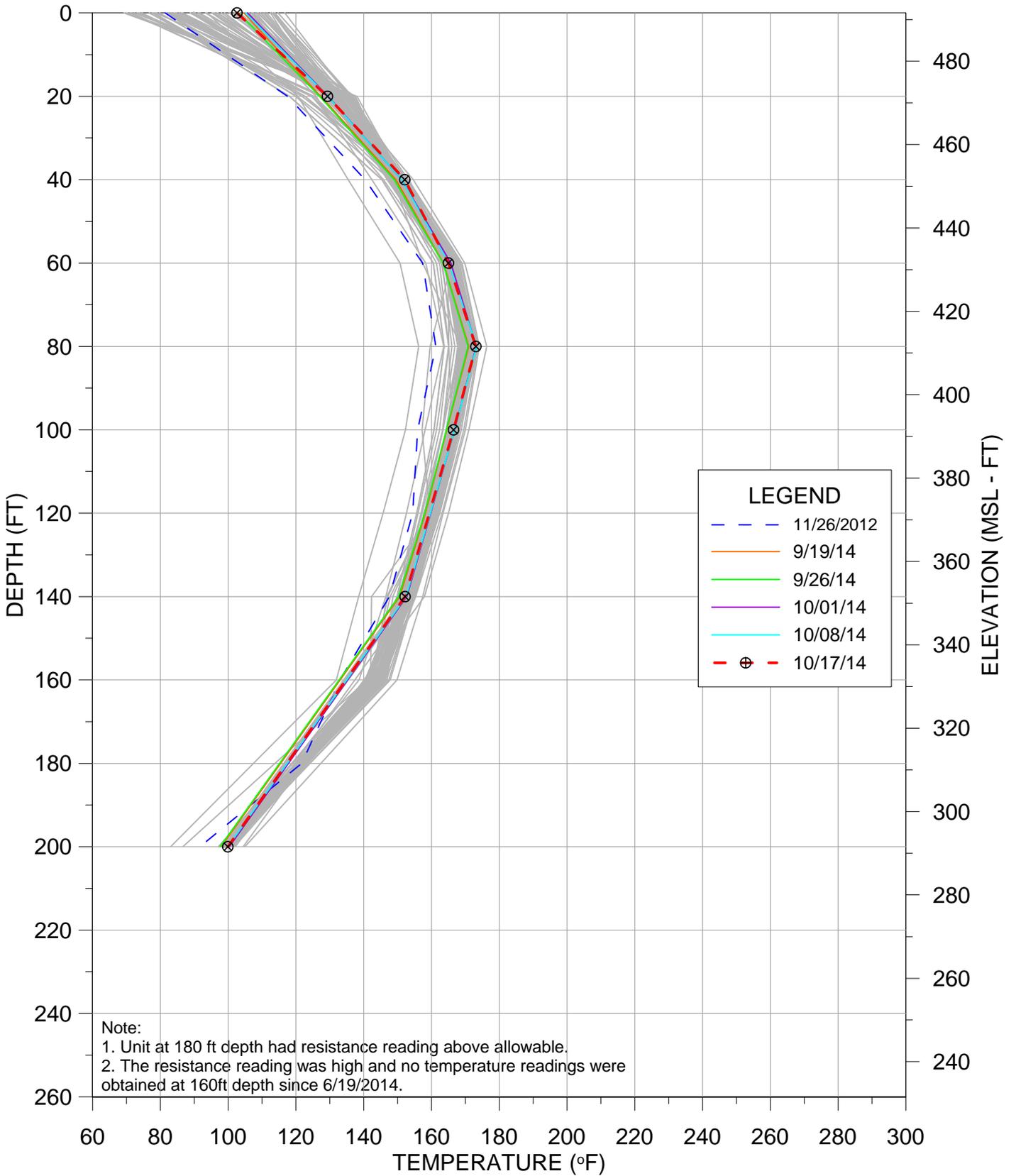
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# TMP-1



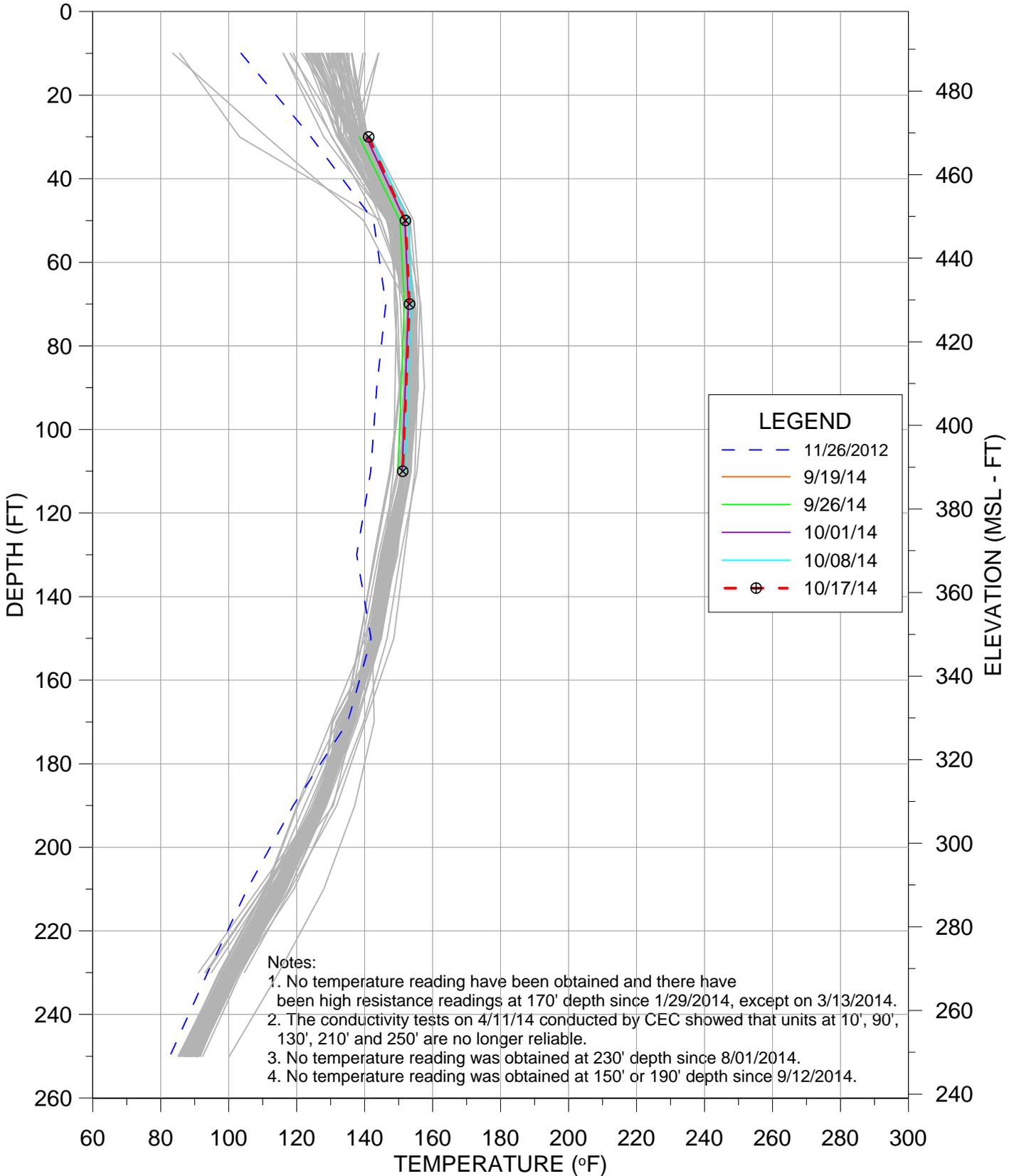
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-2



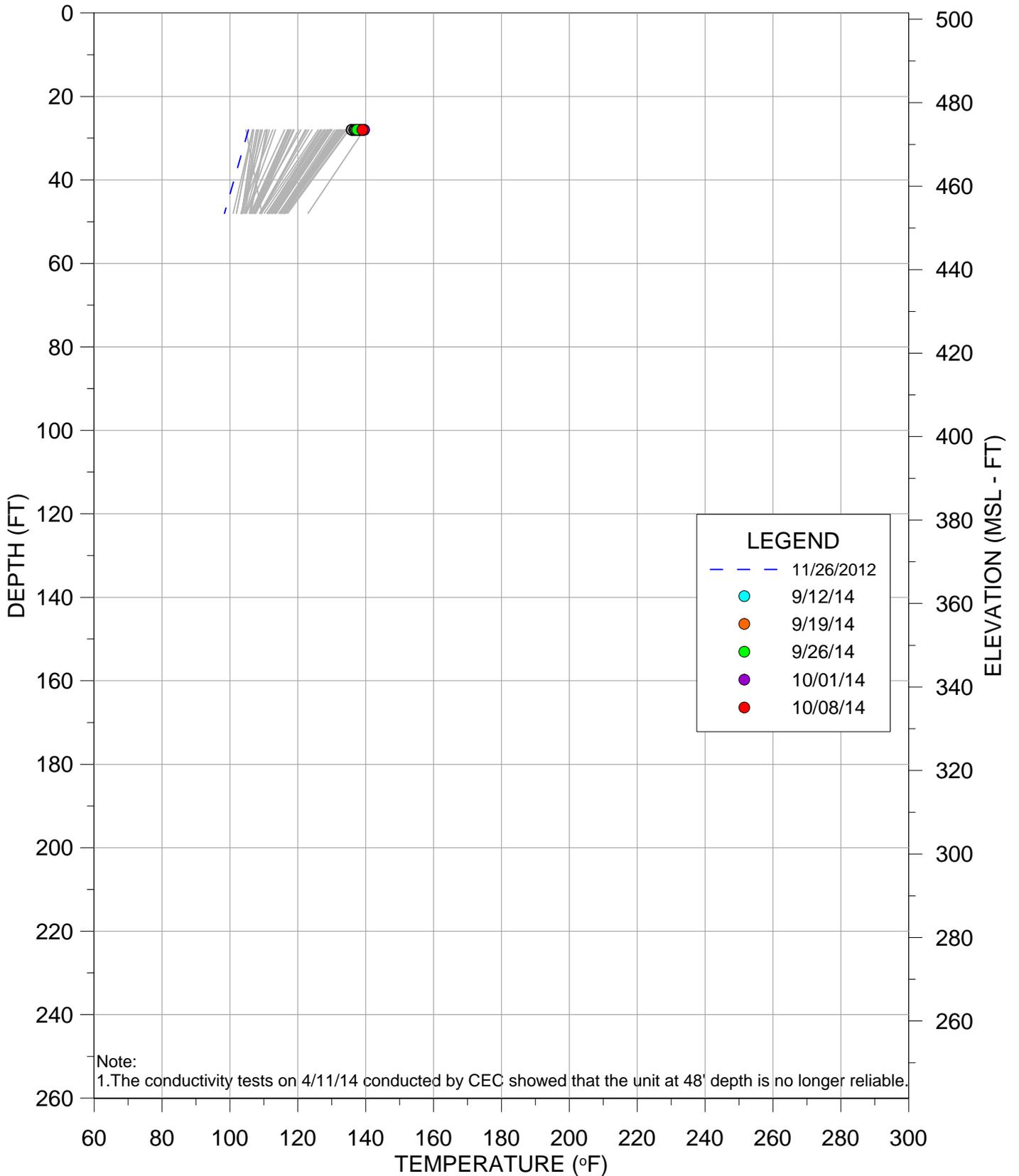
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-3



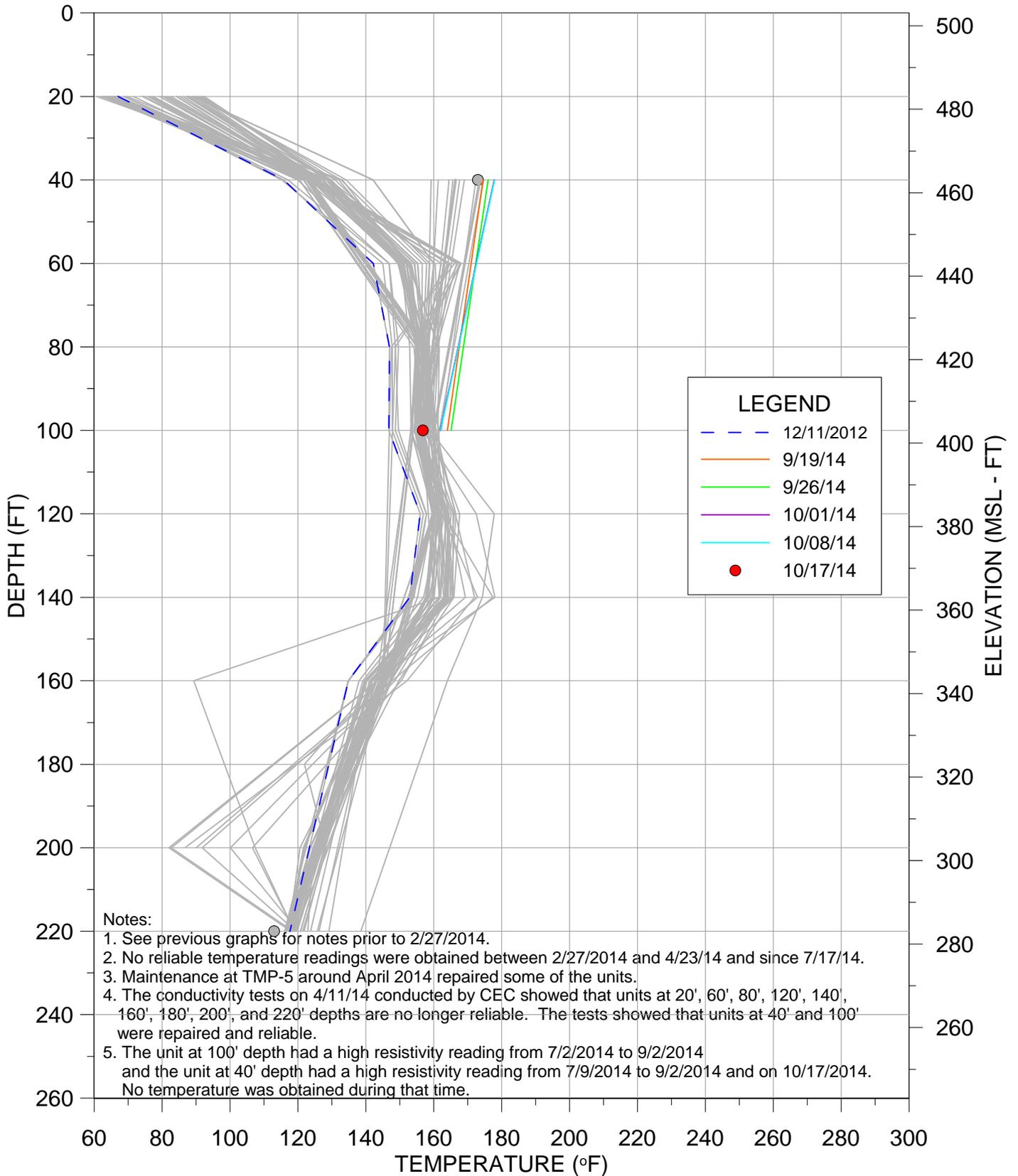
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-4



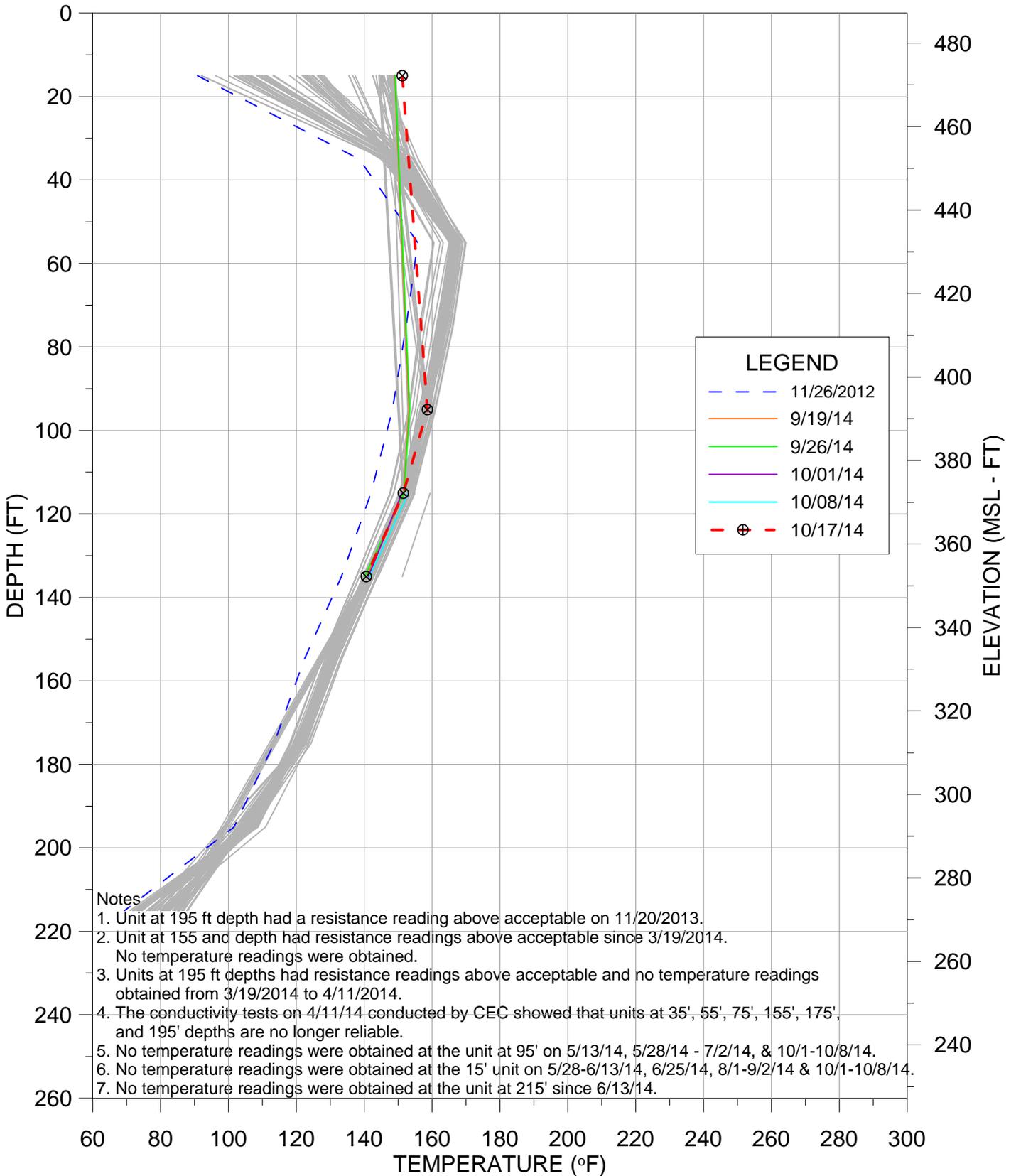
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-5



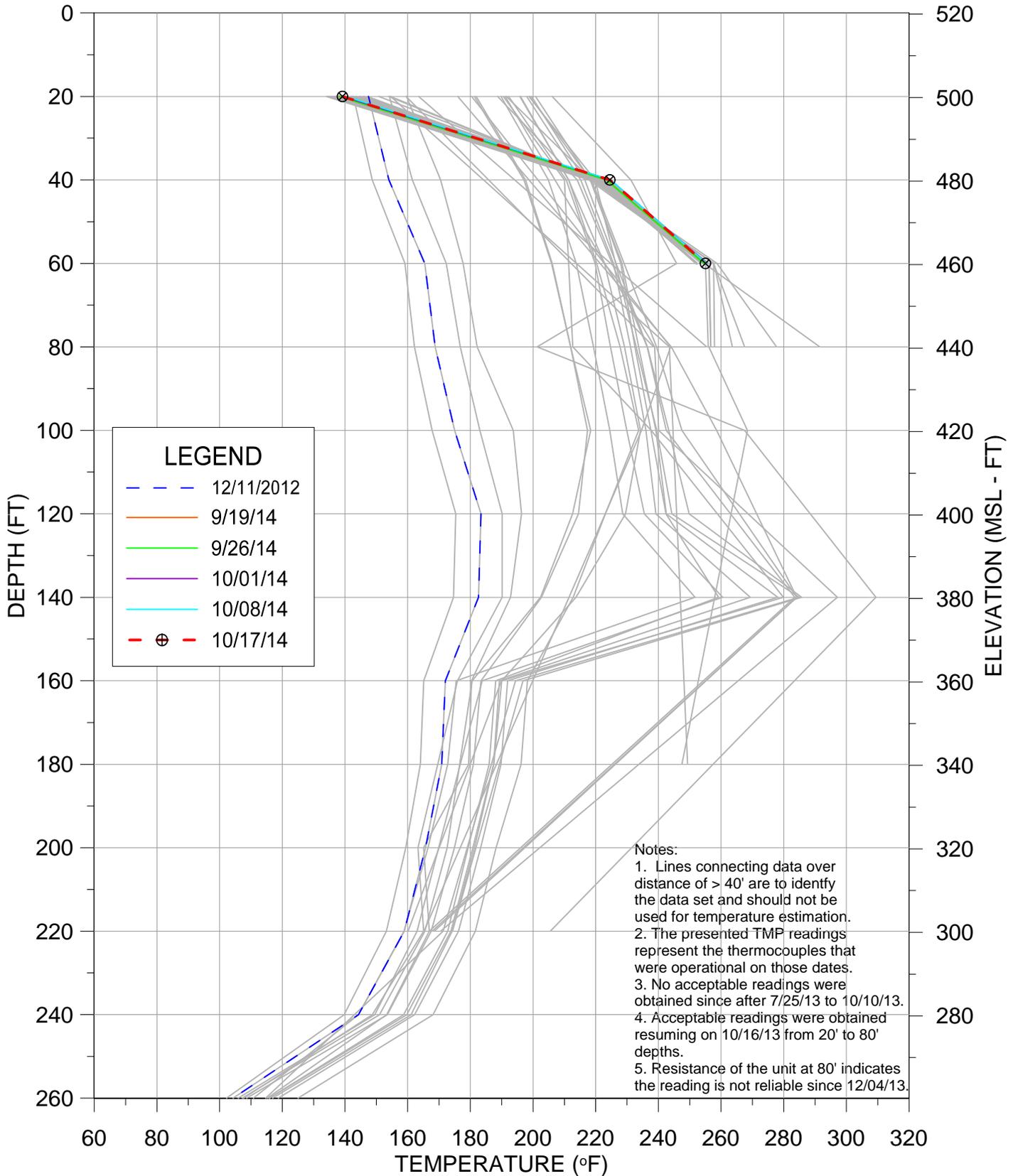
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-6



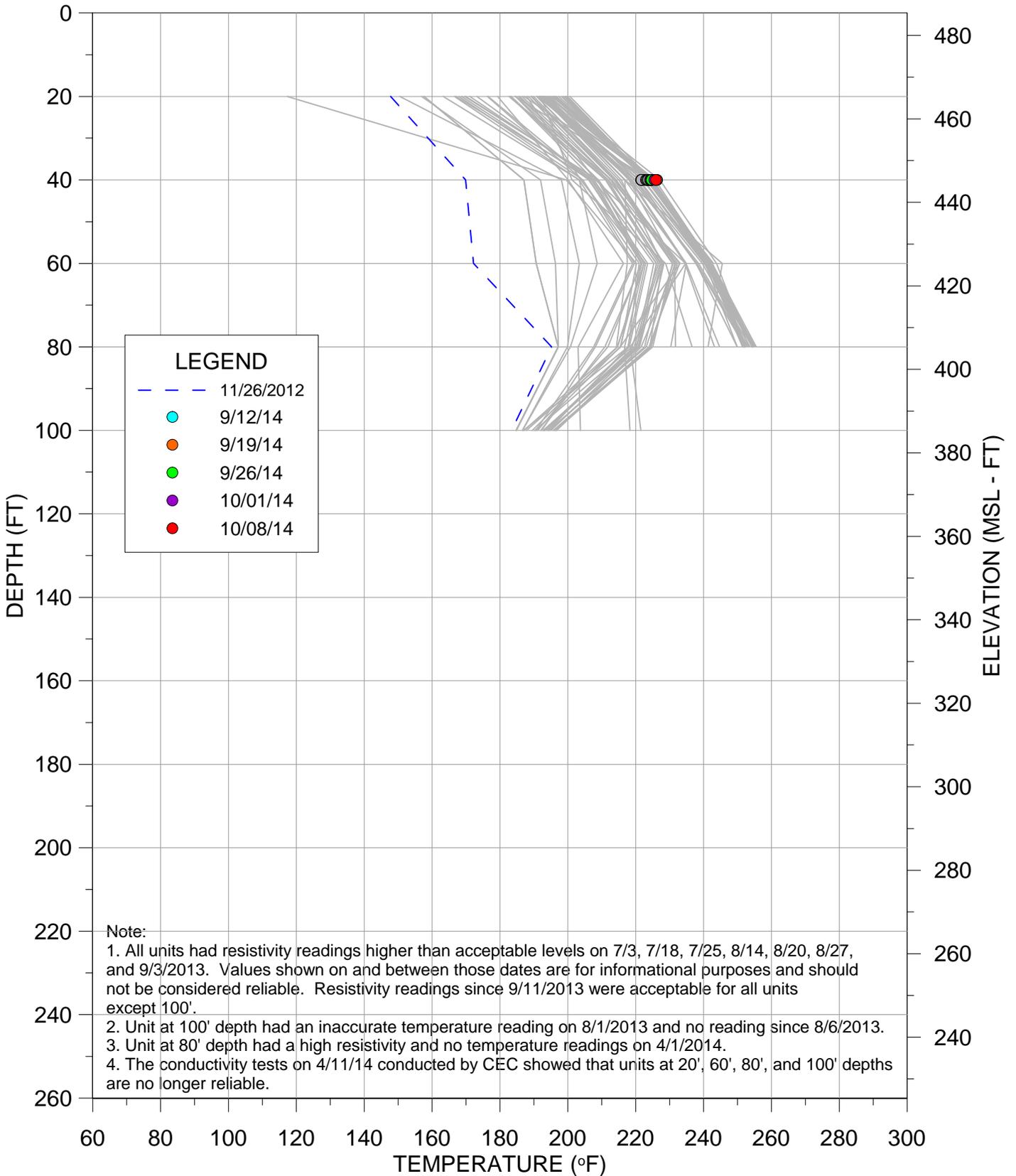
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-8



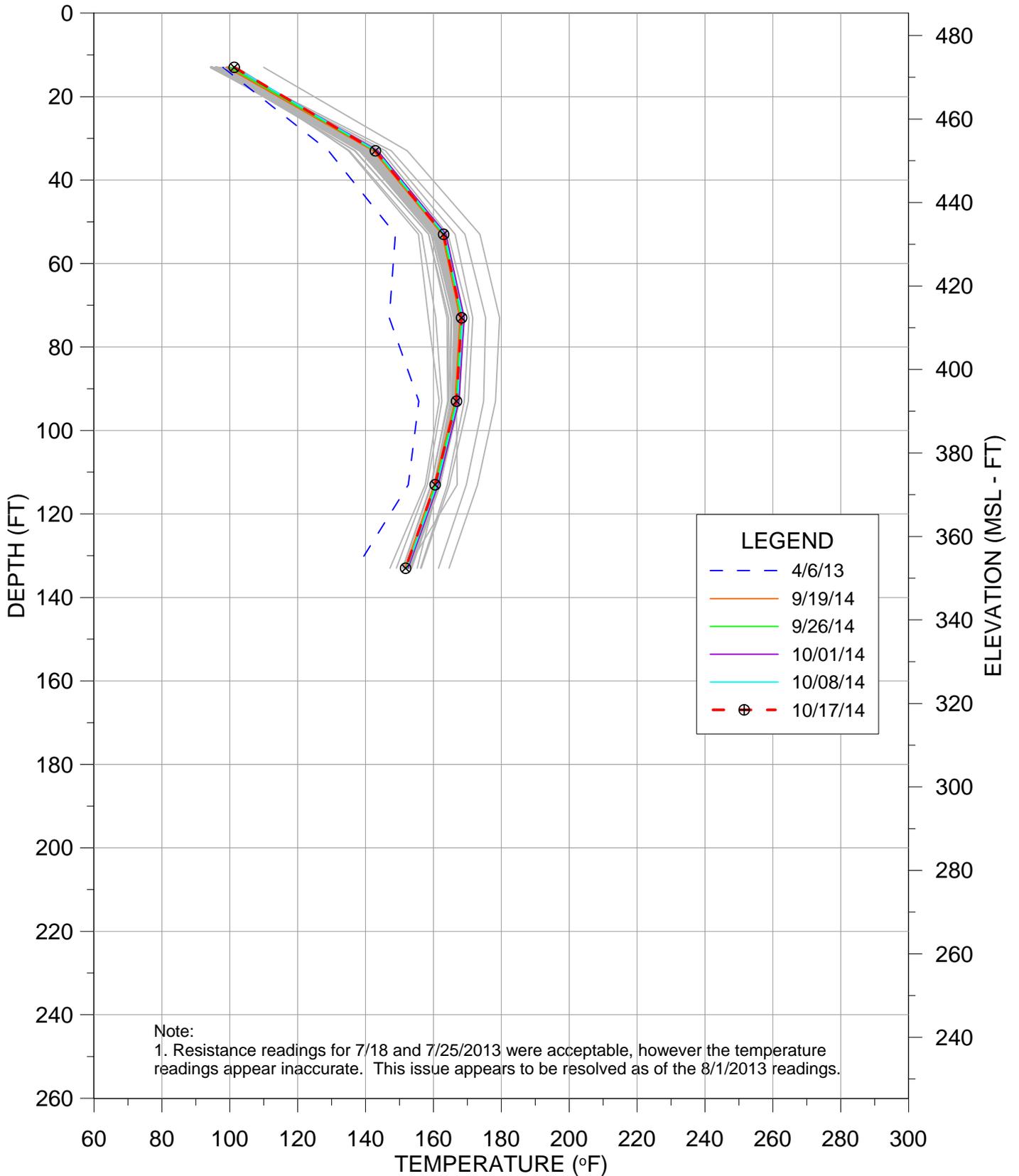
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-9



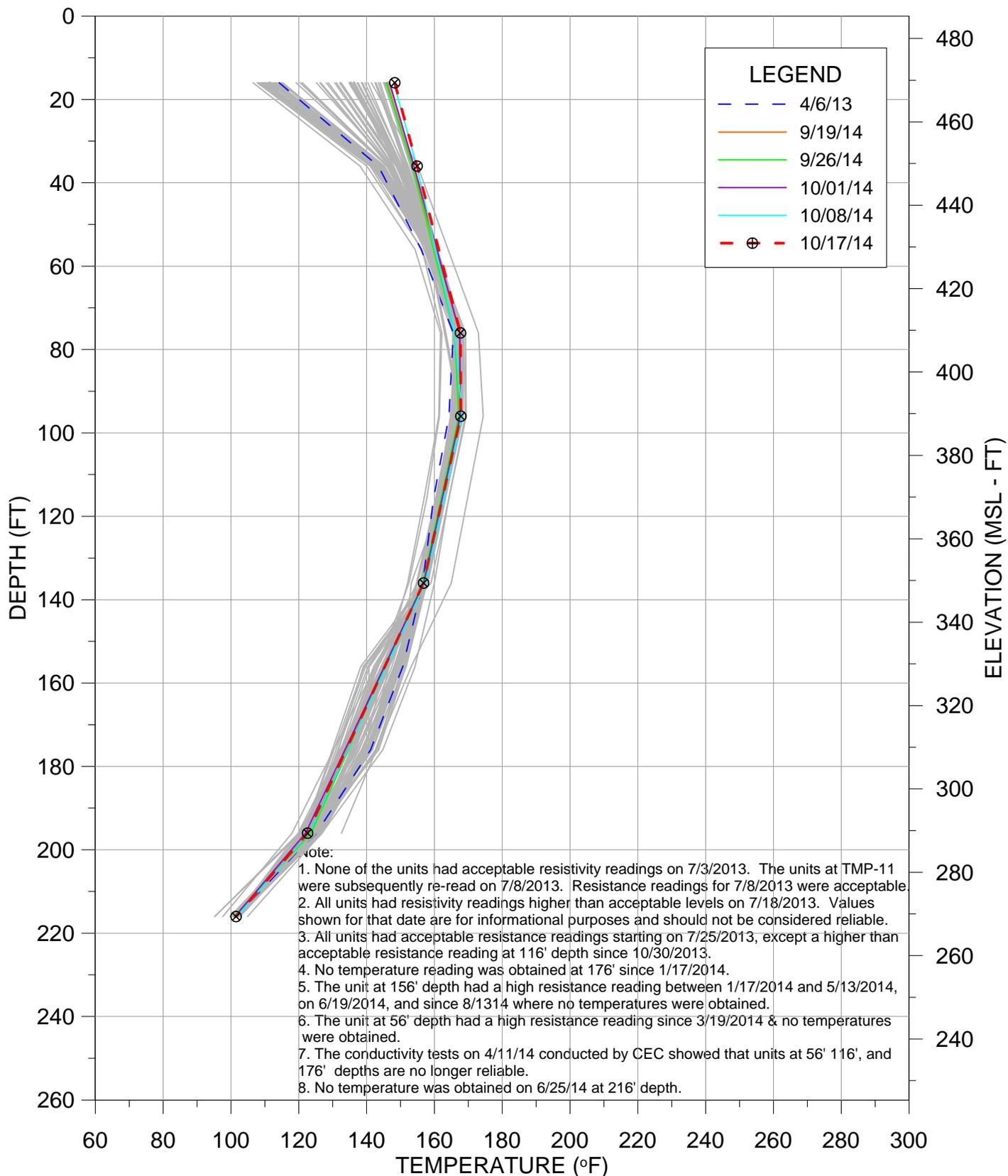
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-10



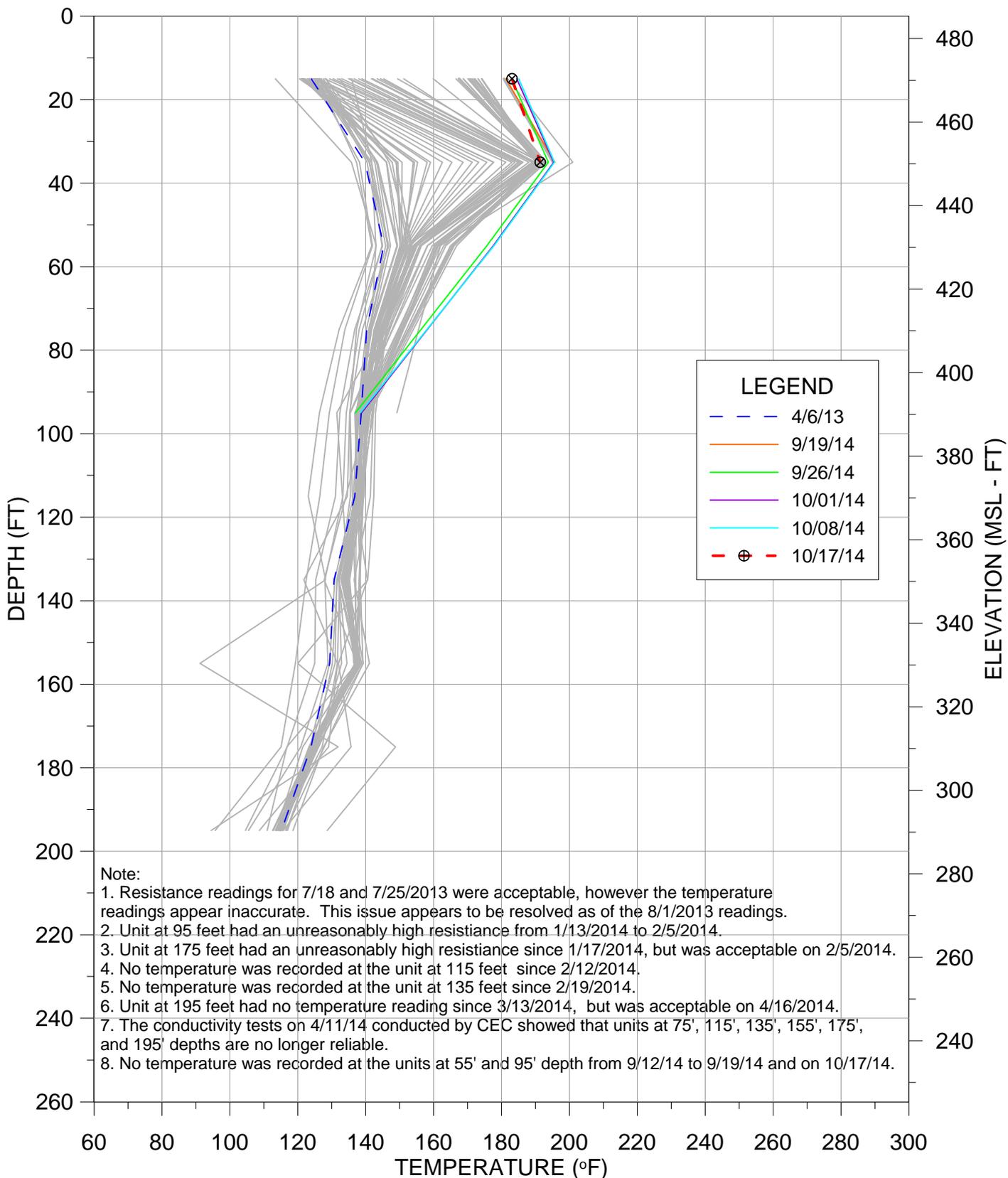
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-11

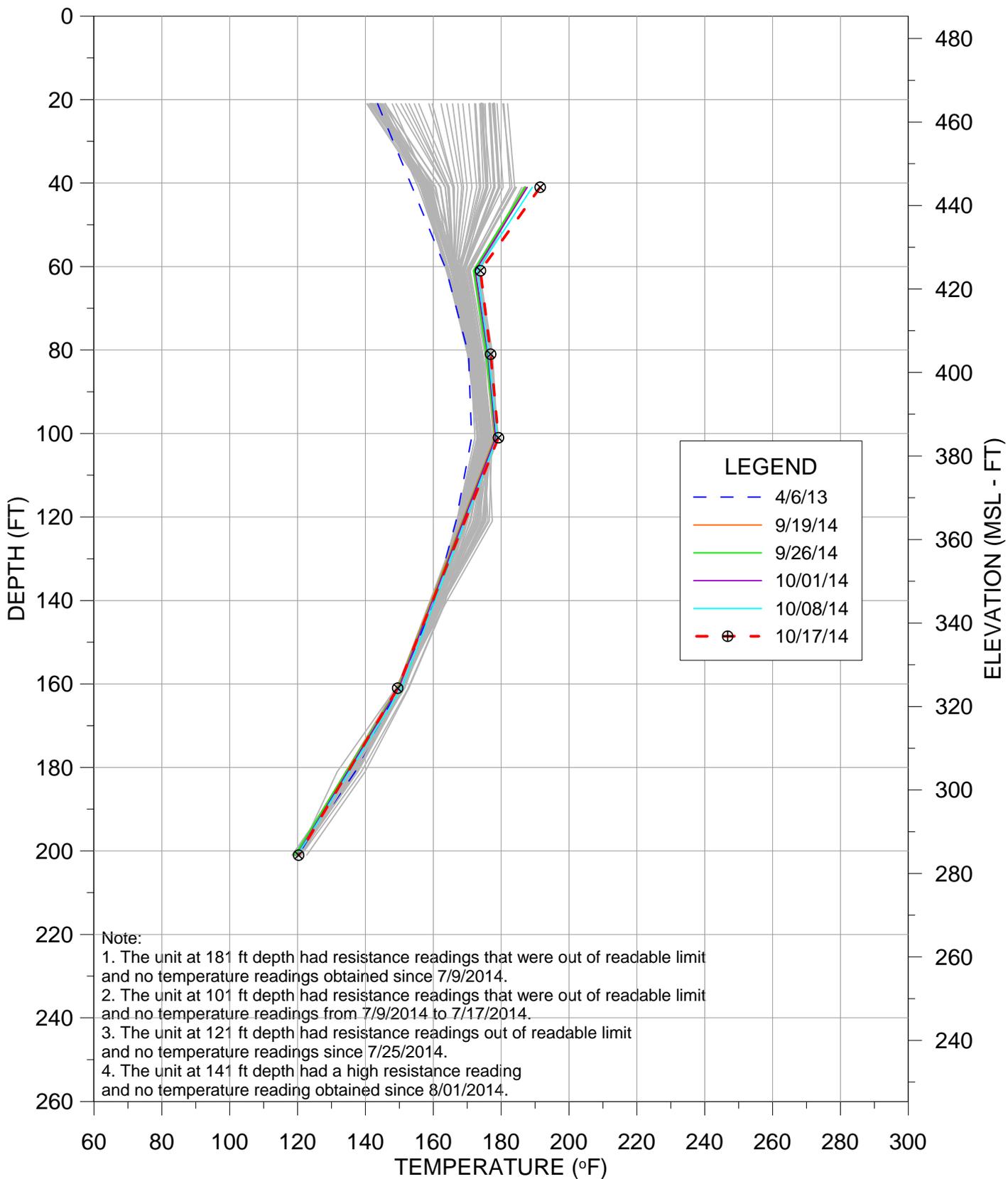


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-12

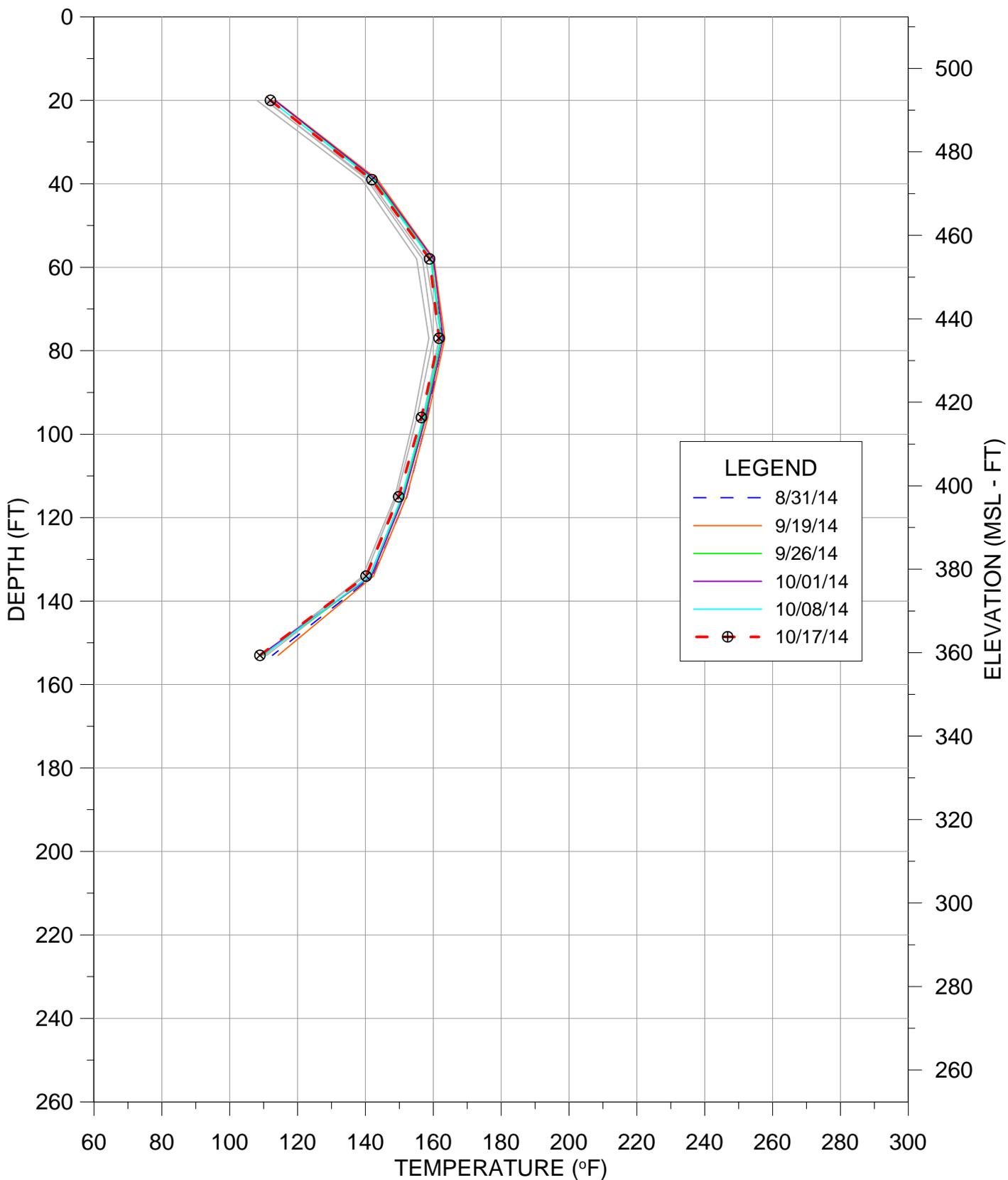


# TMP-14



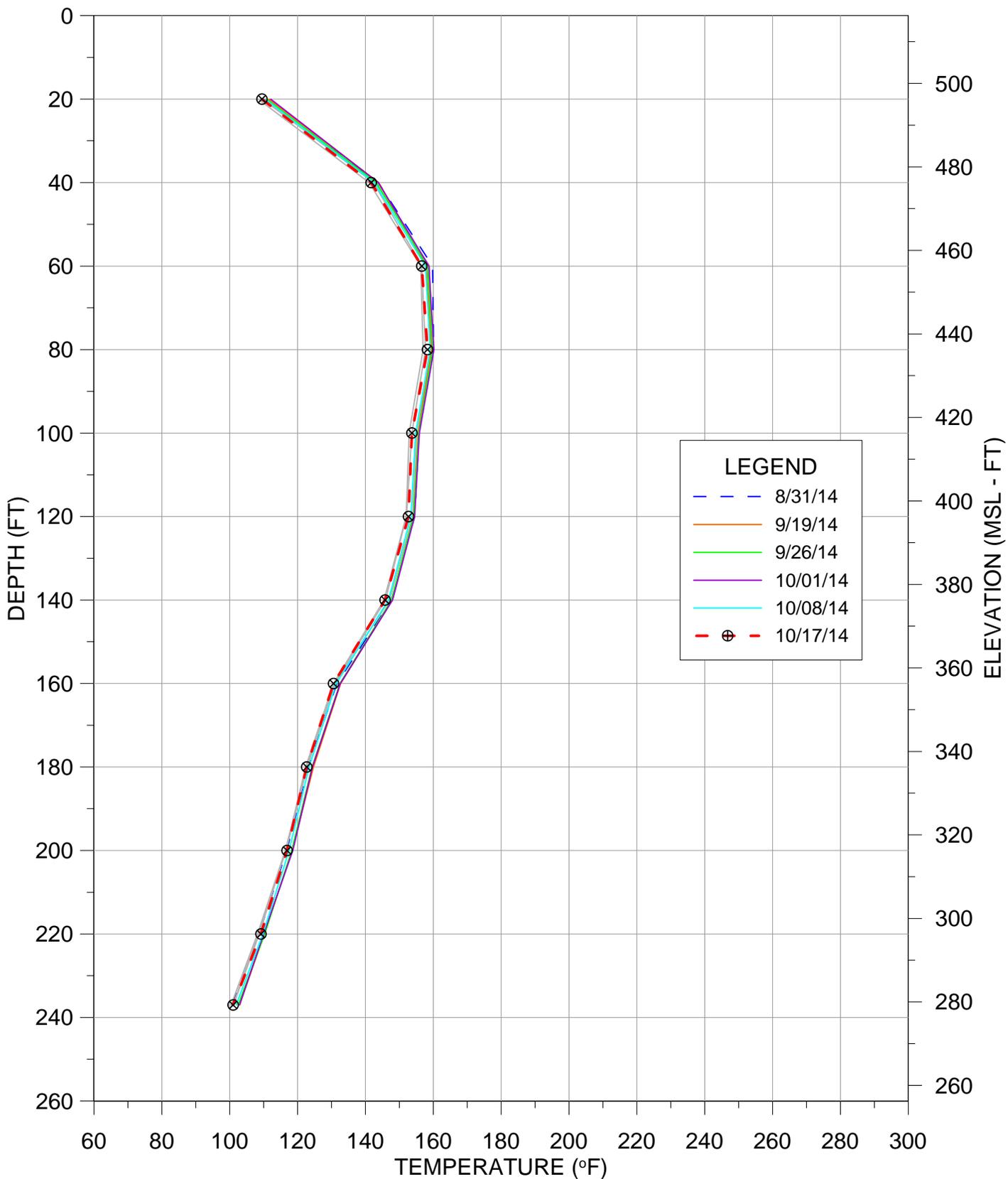
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-16



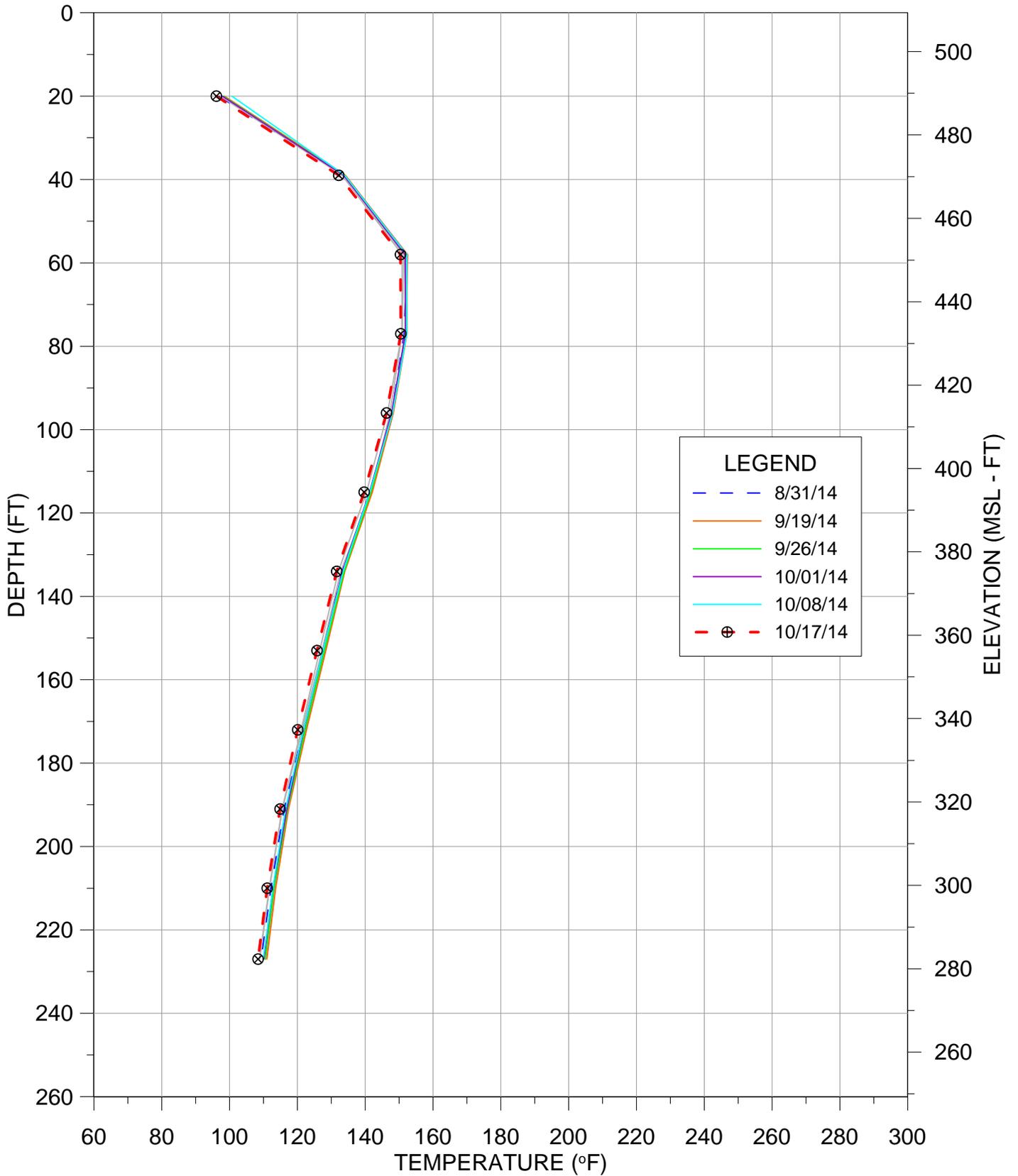
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-17



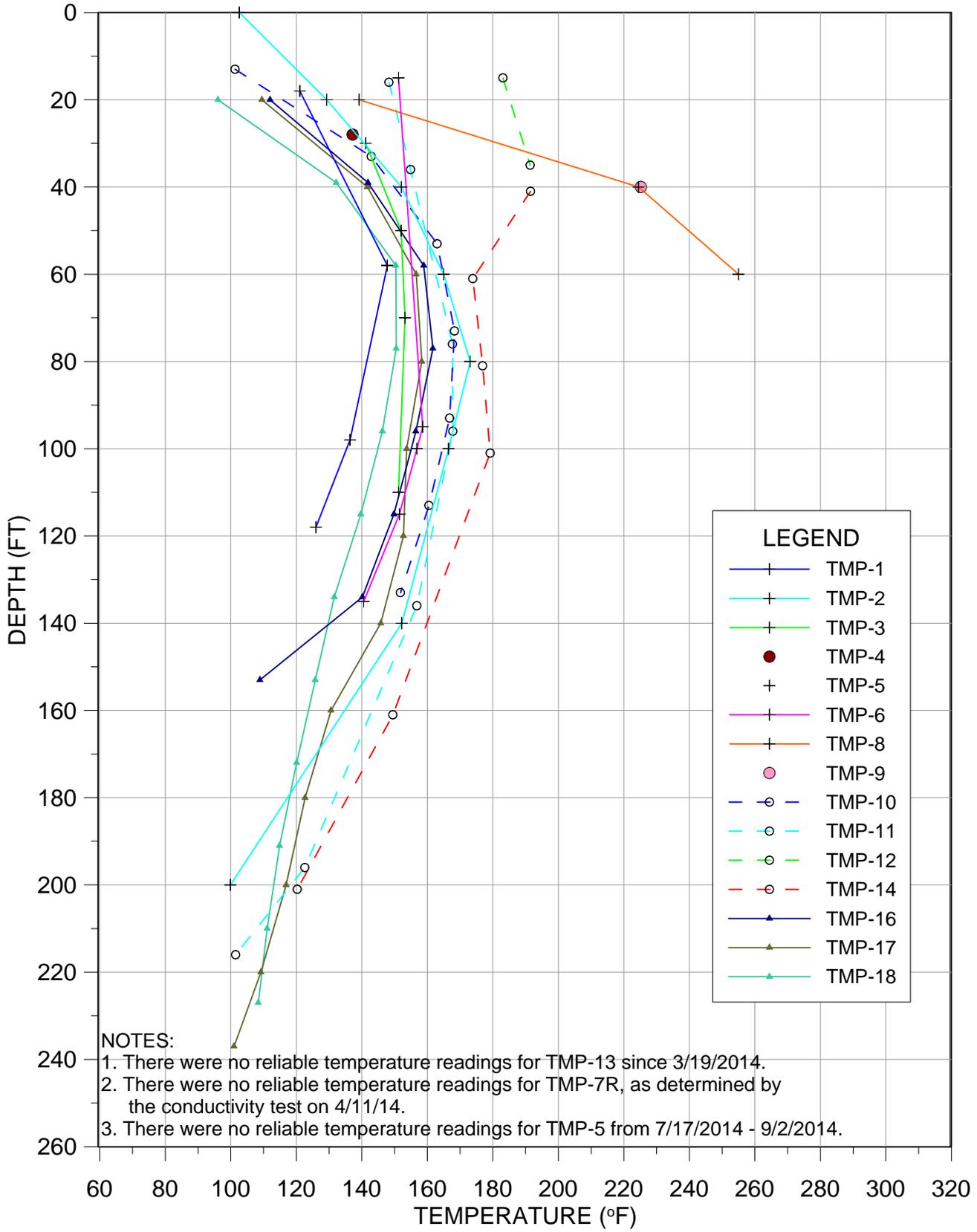
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-18



TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# 10/17/2014 -DEPTH



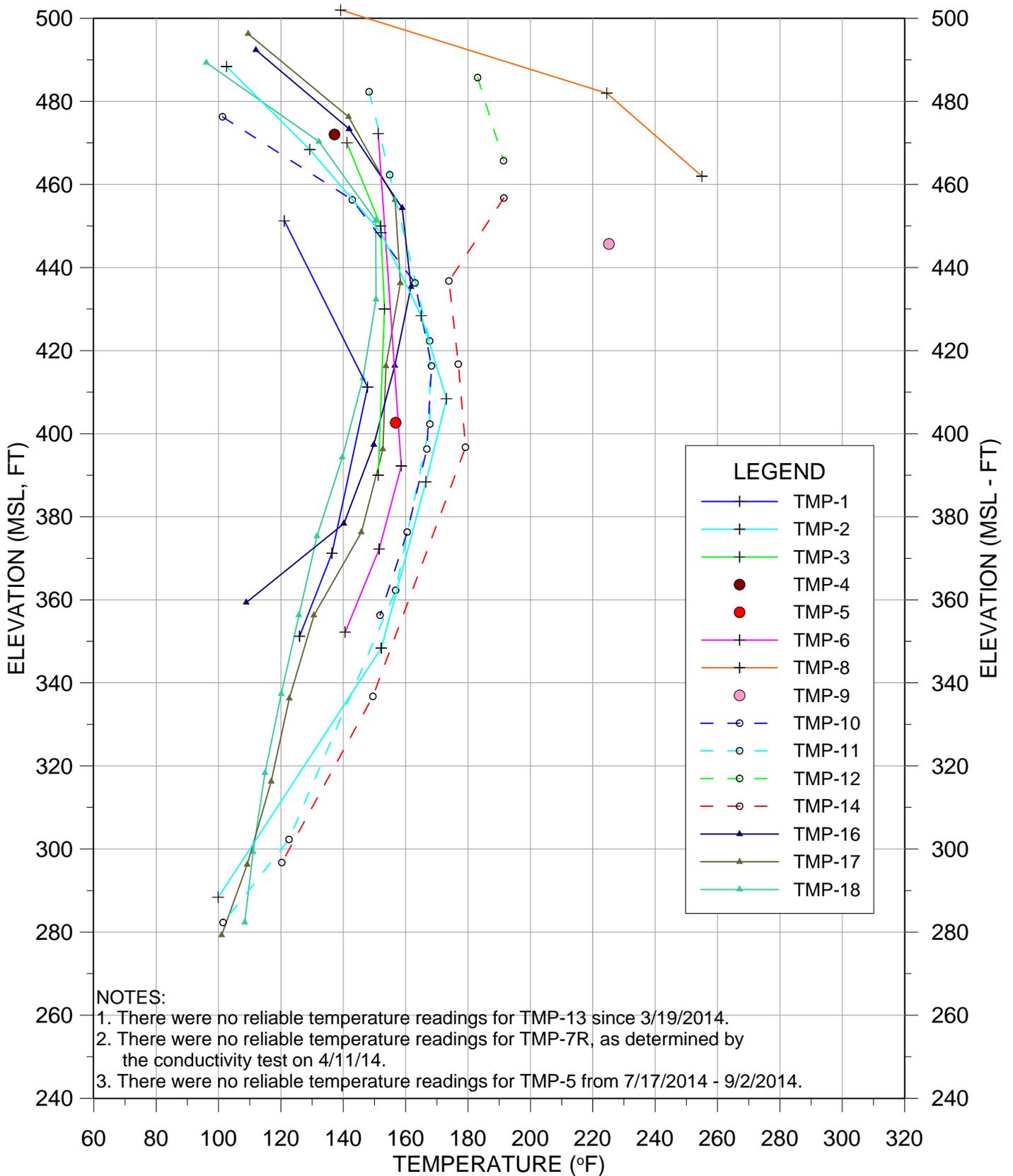
**LEGEND**

- +— TMP-1
- +— TMP-2
- +— TMP-3
- TMP-4
- + TMP-5
- +— TMP-6
- +— TMP-8
- TMP-9
- - -○- - - TMP-10
- - -○- - - TMP-11
- - -○- - - TMP-12
- - -○- - - TMP-14
- ▲— TMP-16
- ▲— TMP-17
- ▲— TMP-18

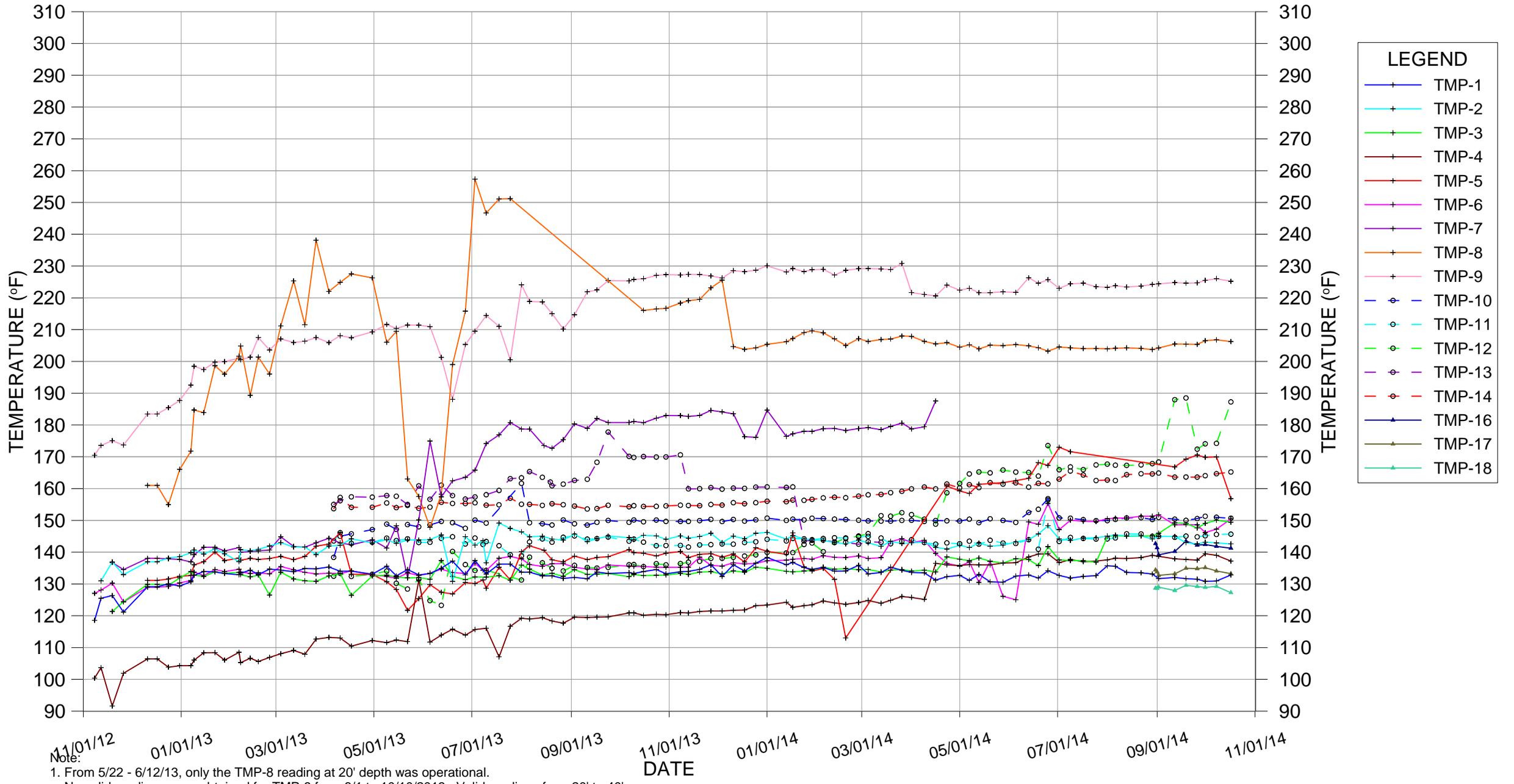
**NOTES:**

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 from 7/17/2014 - 9/2/2014.

# 10/17/2014 - ELEVATION



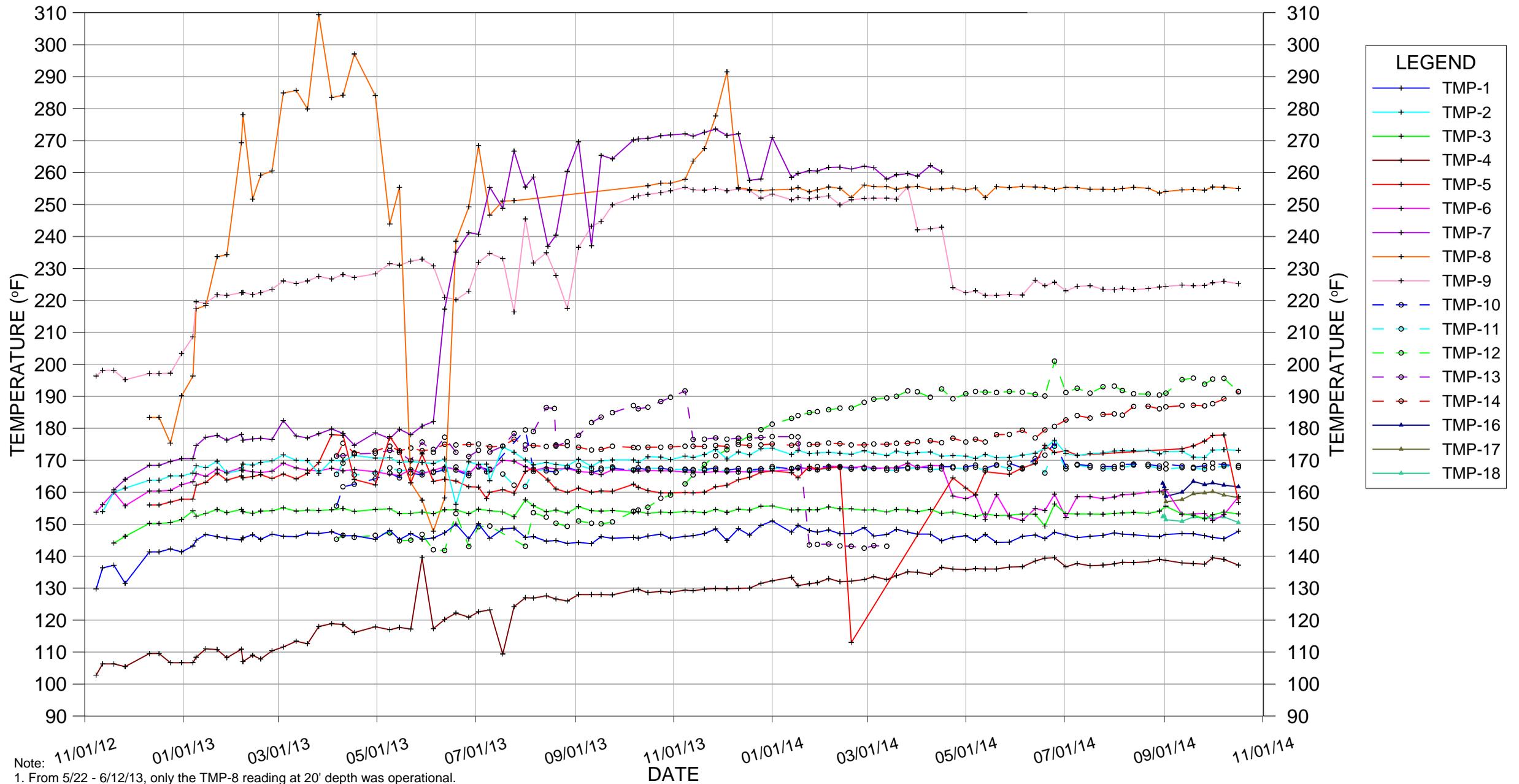
# AVERAGE TEMPERATURES



Note:  
 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 11/01/14  
 DATE

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

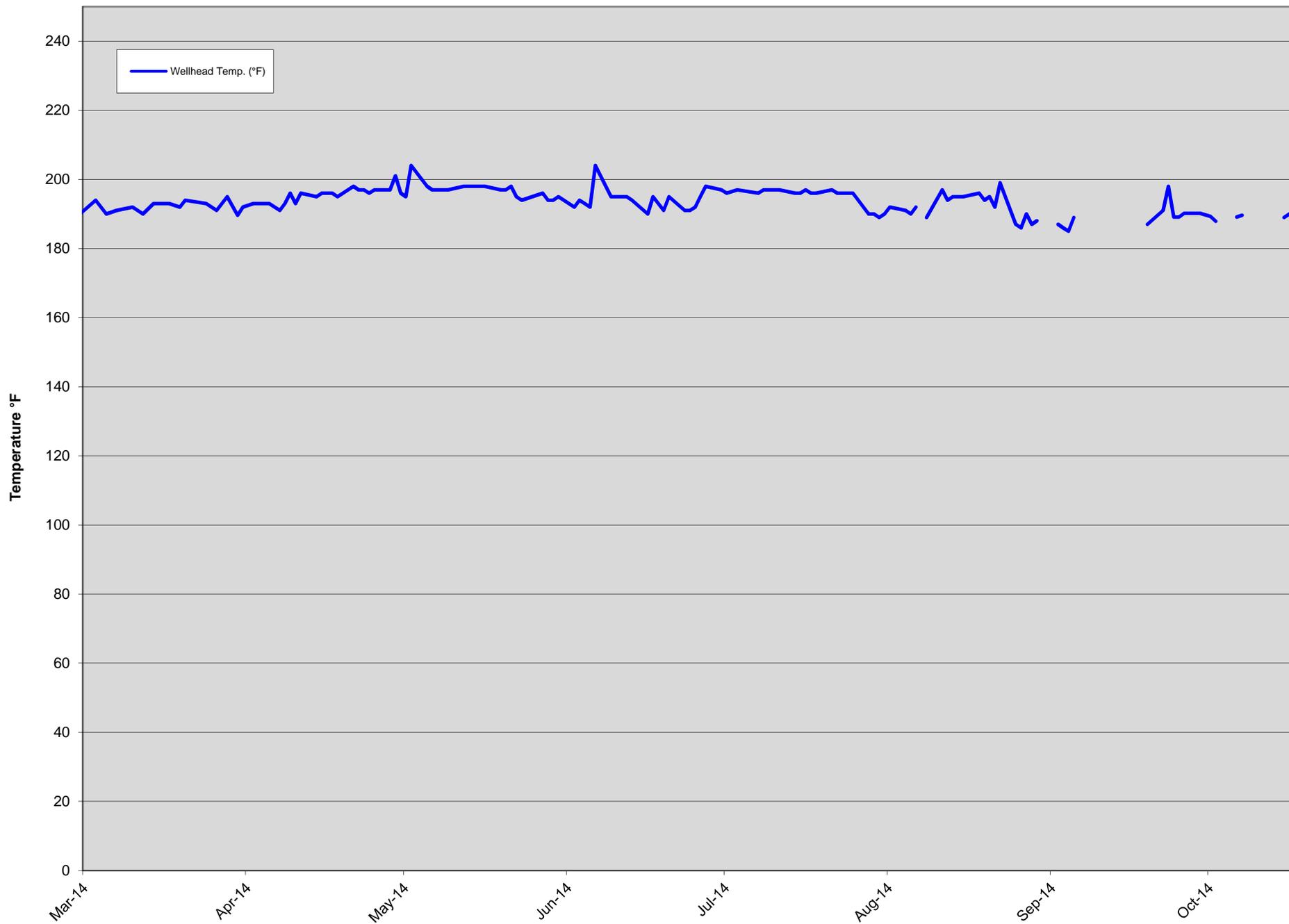
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**ATTACHMENT C**

**GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS**

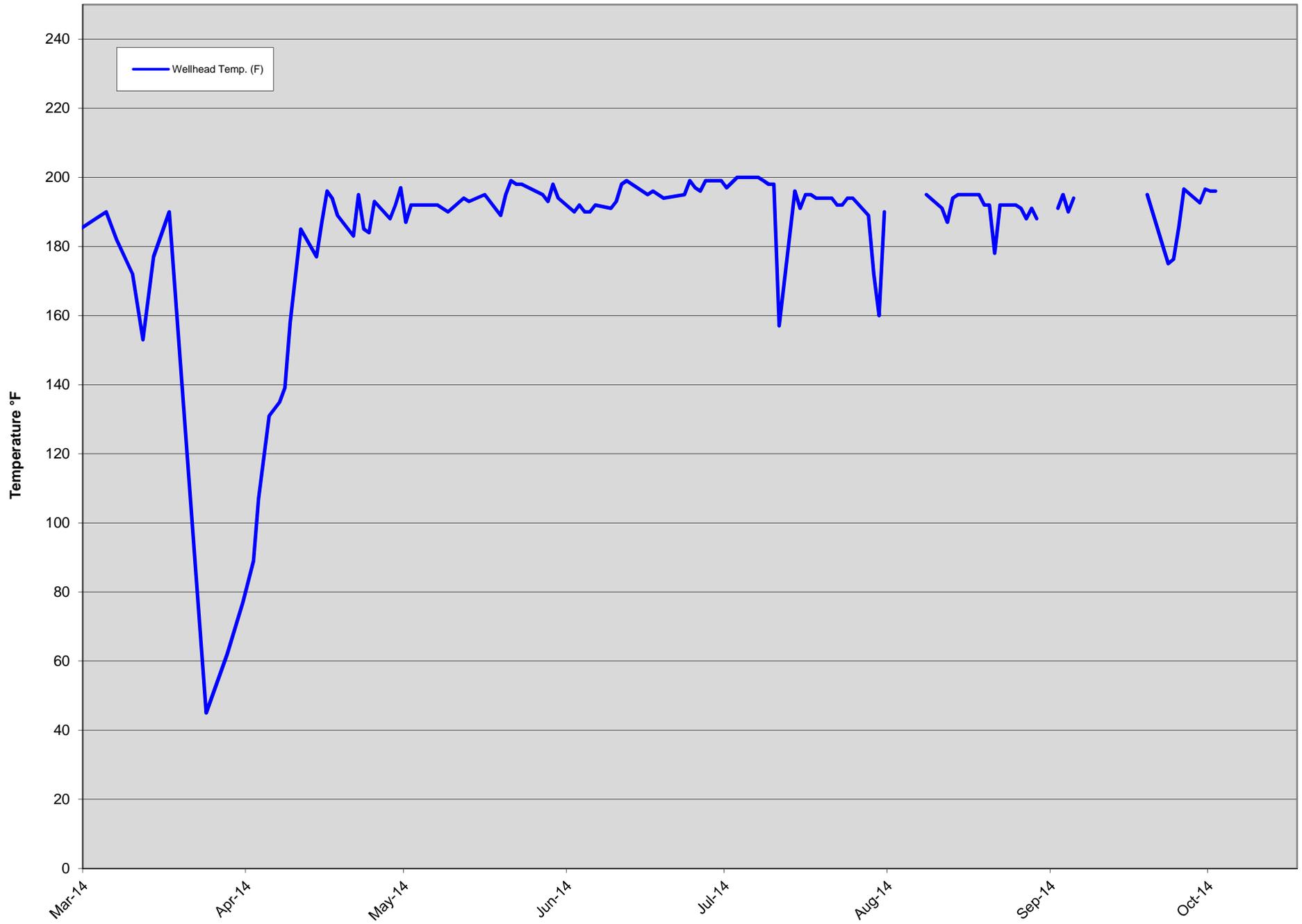
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# GIW-1 Wellhead Temperatures

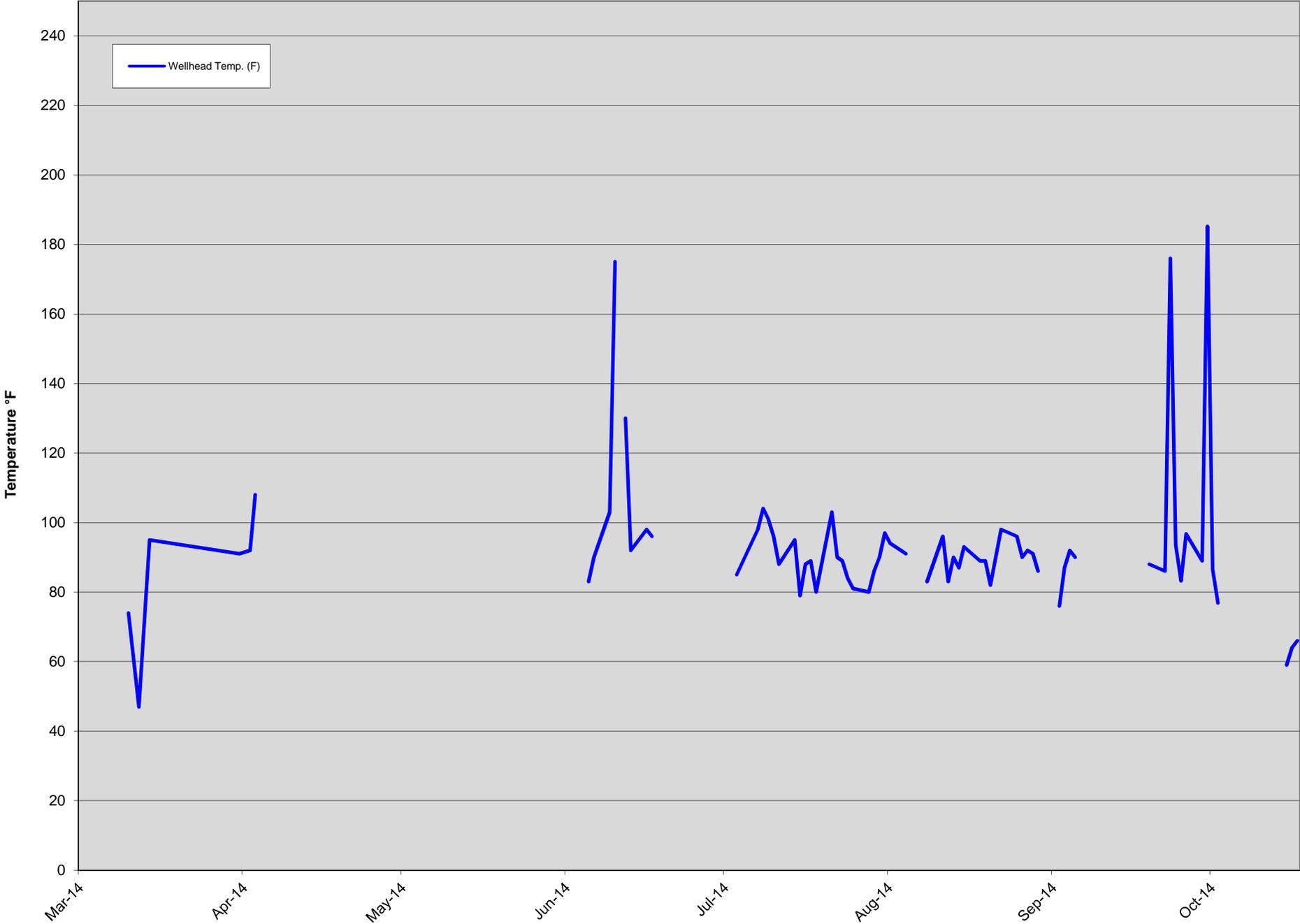




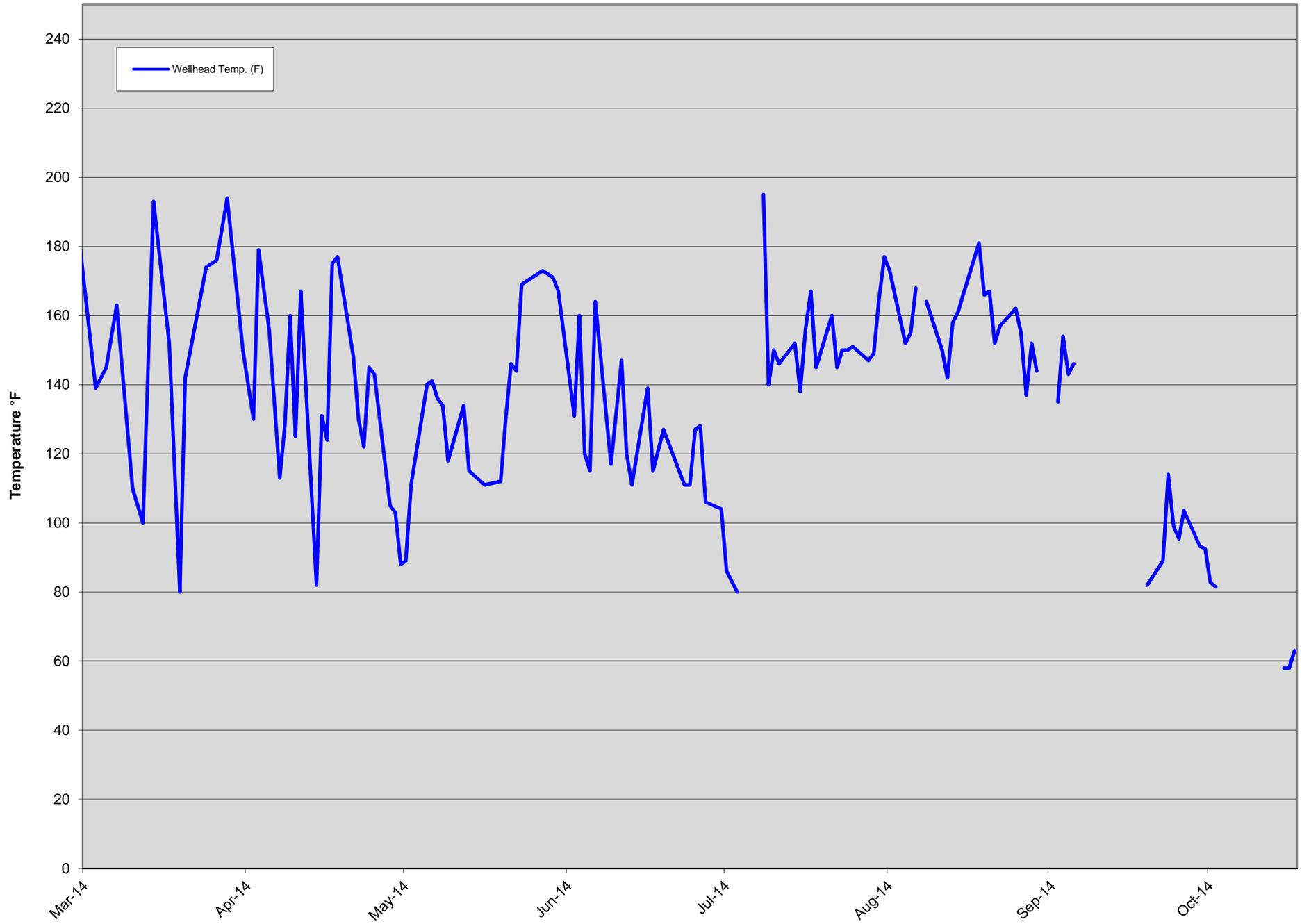
# GIW-3 Wellhead Temperatures



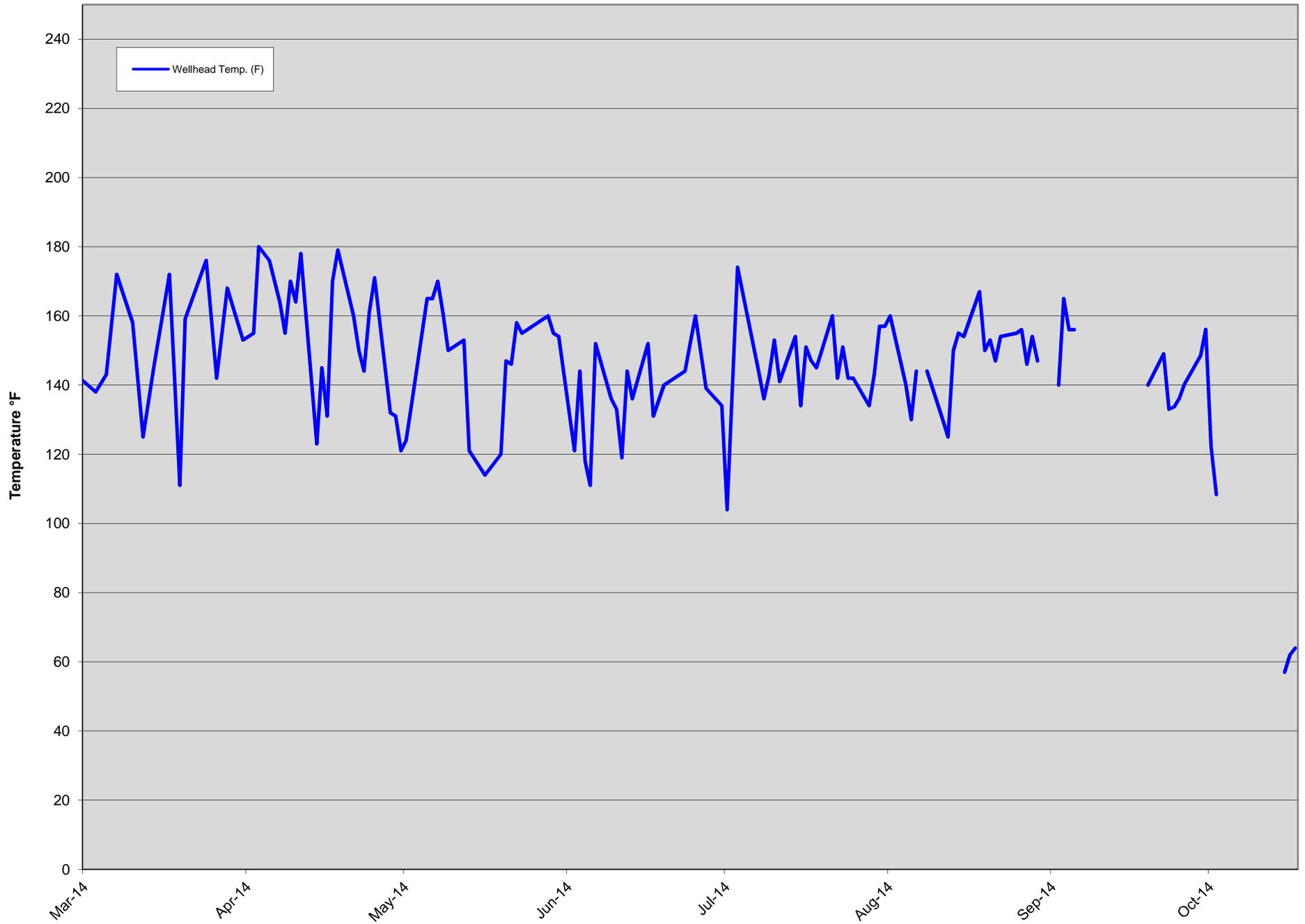
# GIW-4 Wellhead Temperatures



# GIW-5 Wellhead Temperatures

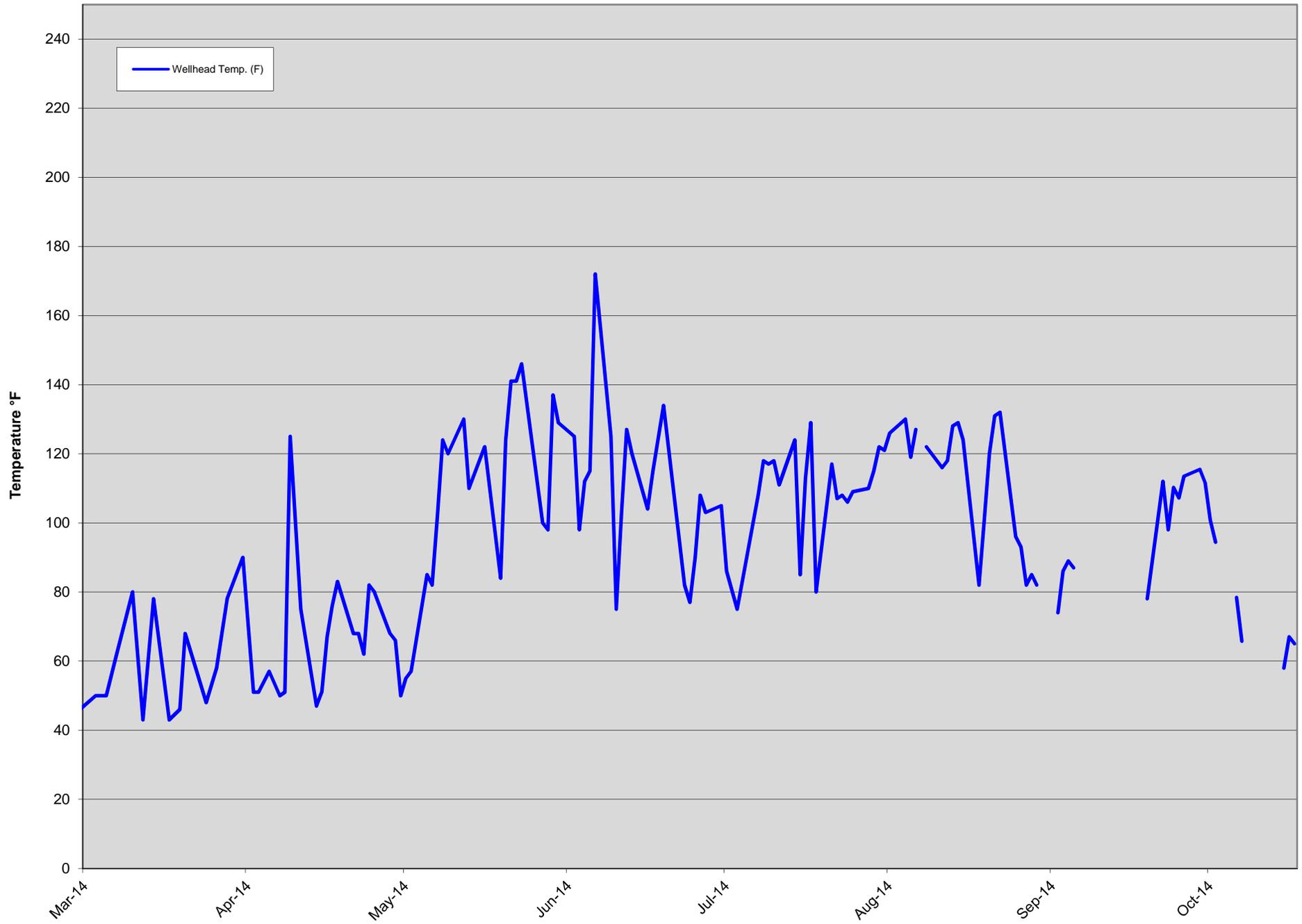


# GIW-6 Wellhead Temperatures

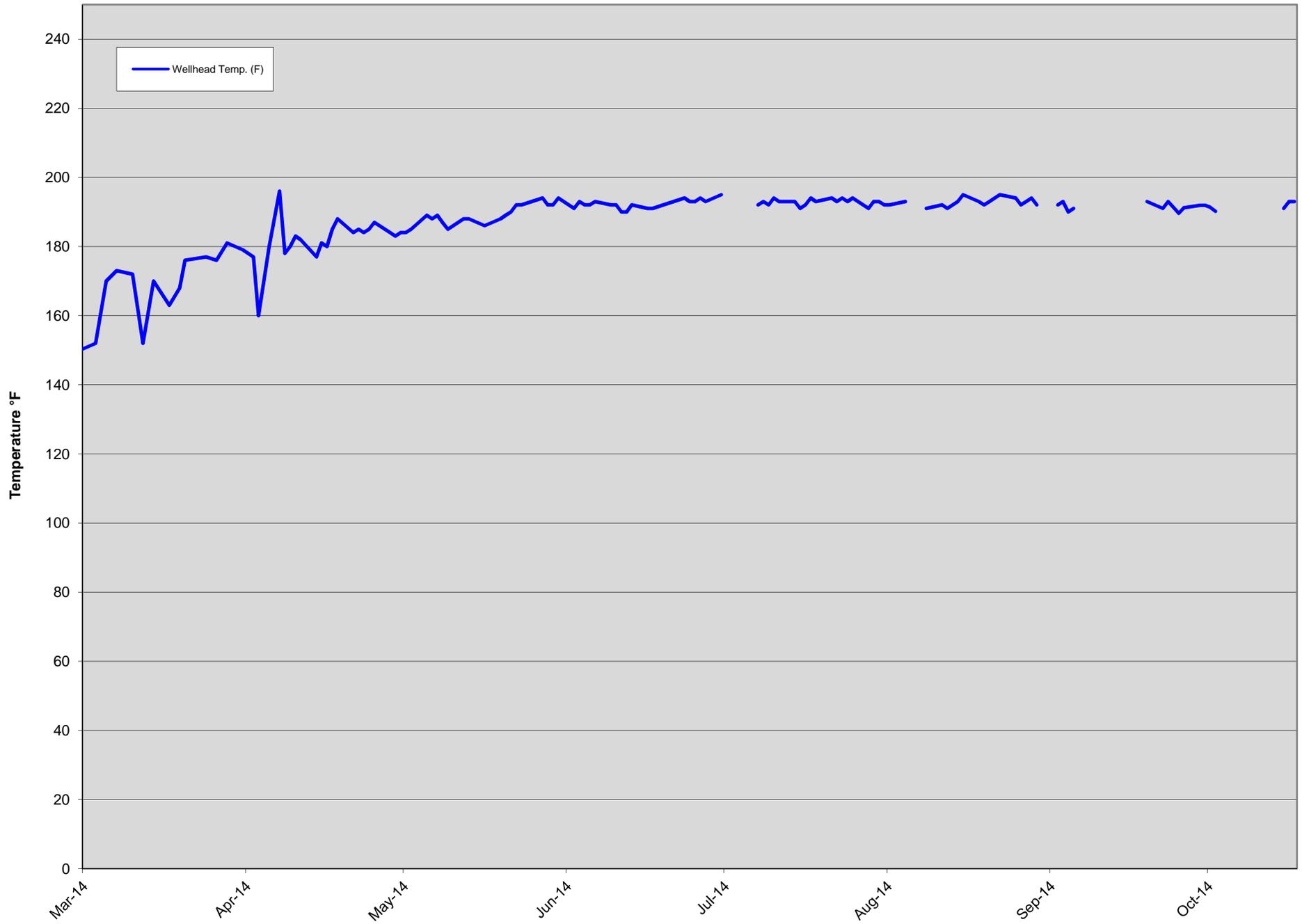




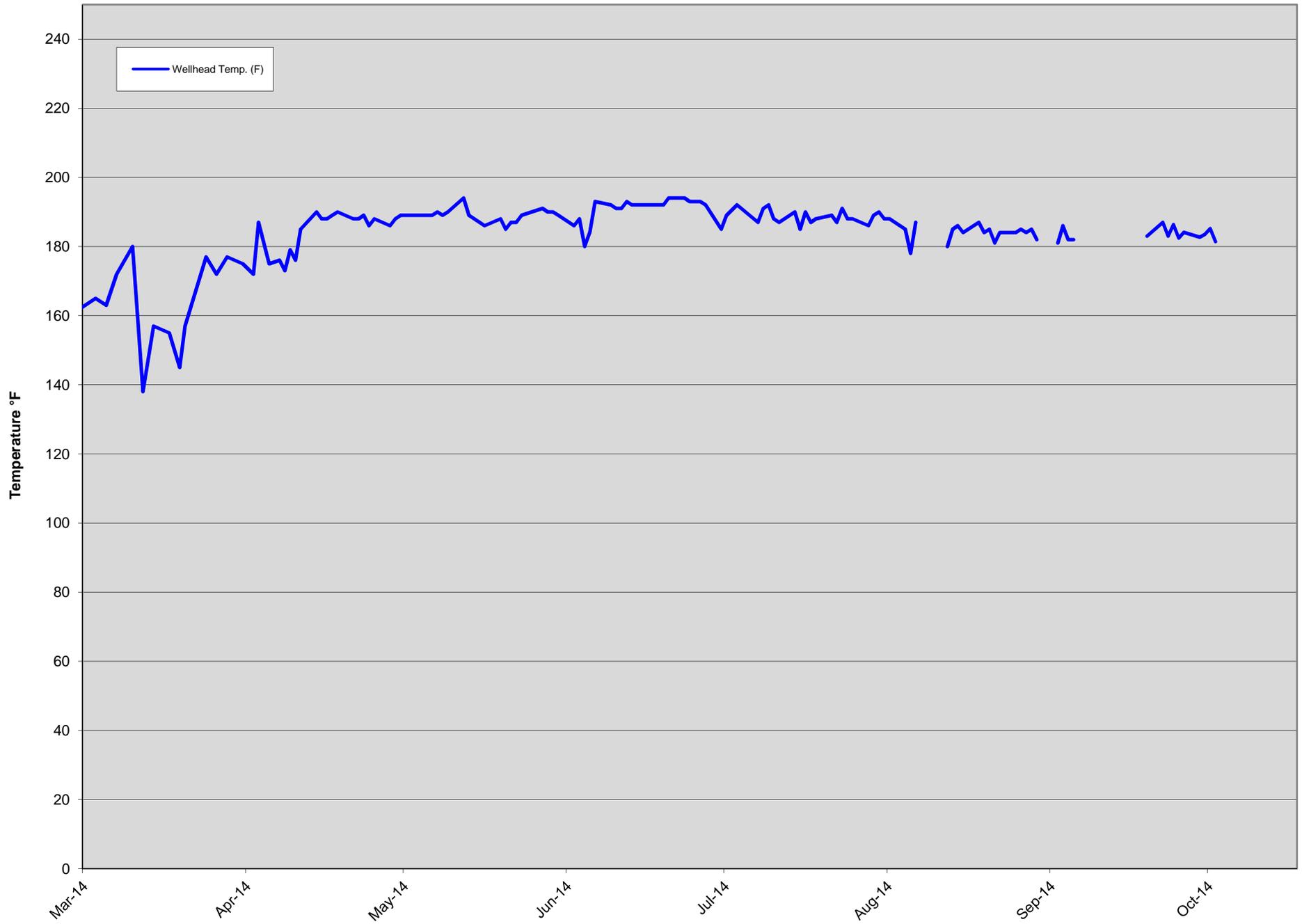
# GIW-8 Wellhead Temperatures



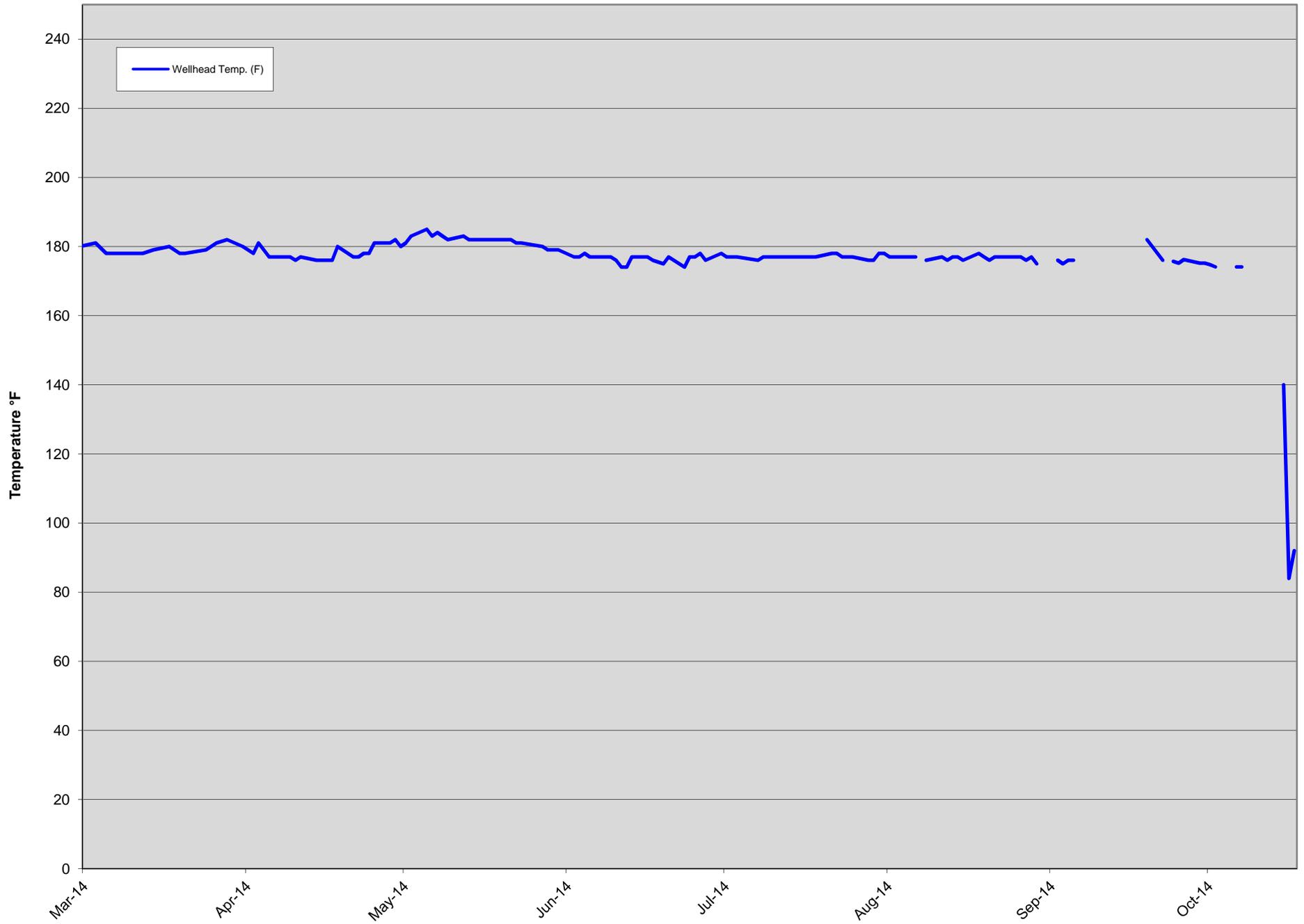
# GIW-9 Wellhead Temperatures



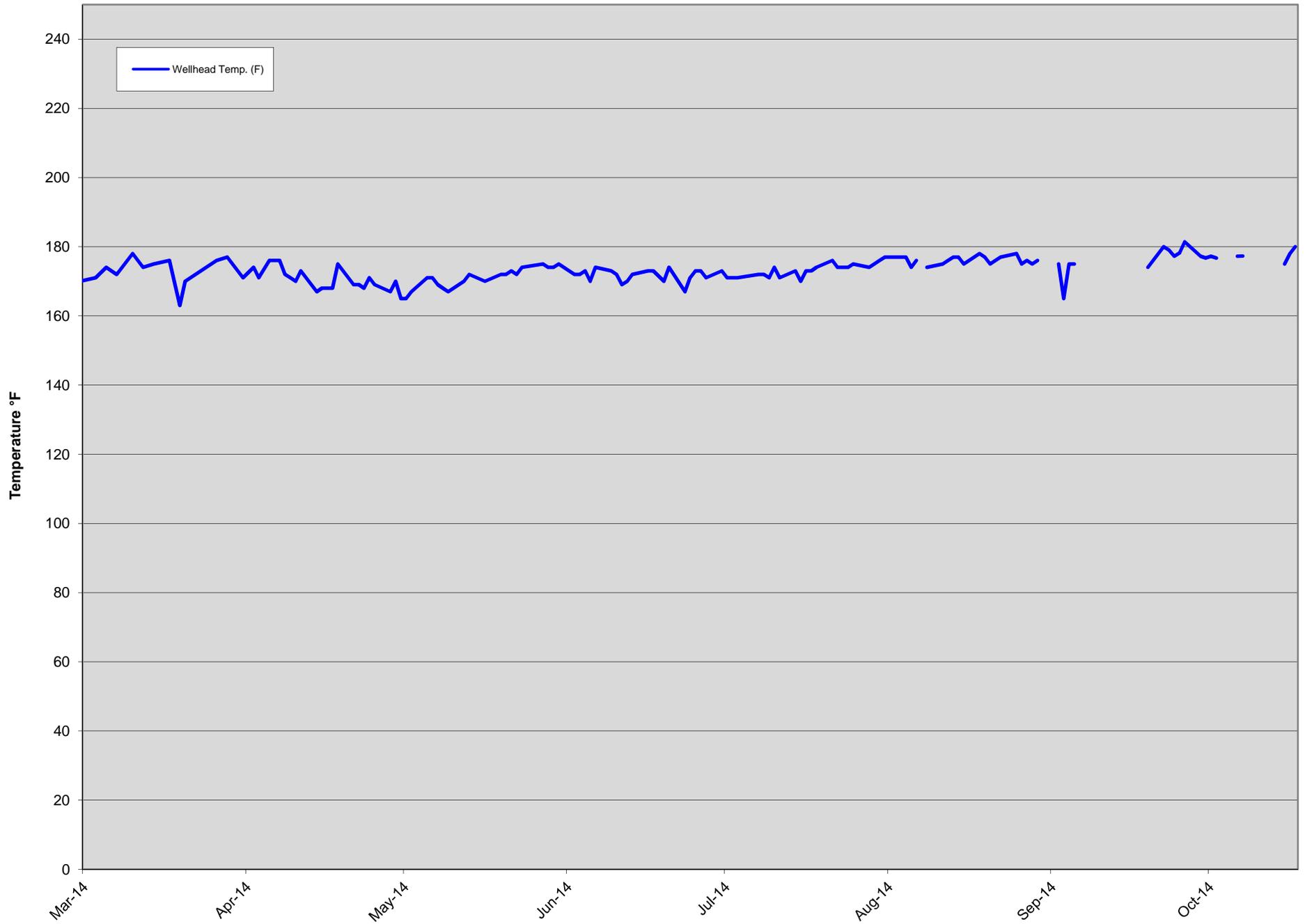
# GIW-10 Wellhead Temperatures



# GIW-11 Wellhead Temperatures



# GIW-12 Wellhead Temperatures



# GIW-13 Wellhead Temperatures

