

# **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 14, 2014**

## **Commentary on Data**

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

LCS-1D, -3C, -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, and will be repaired in a timely manner.

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.

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**

Over the past week, additional water circulation cooling loops were installed in the Gas interceptor Wells. By the end of the week, water circulation cooling loops were installed in the following wells:

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

Gas temperatures have trended downward in these wells

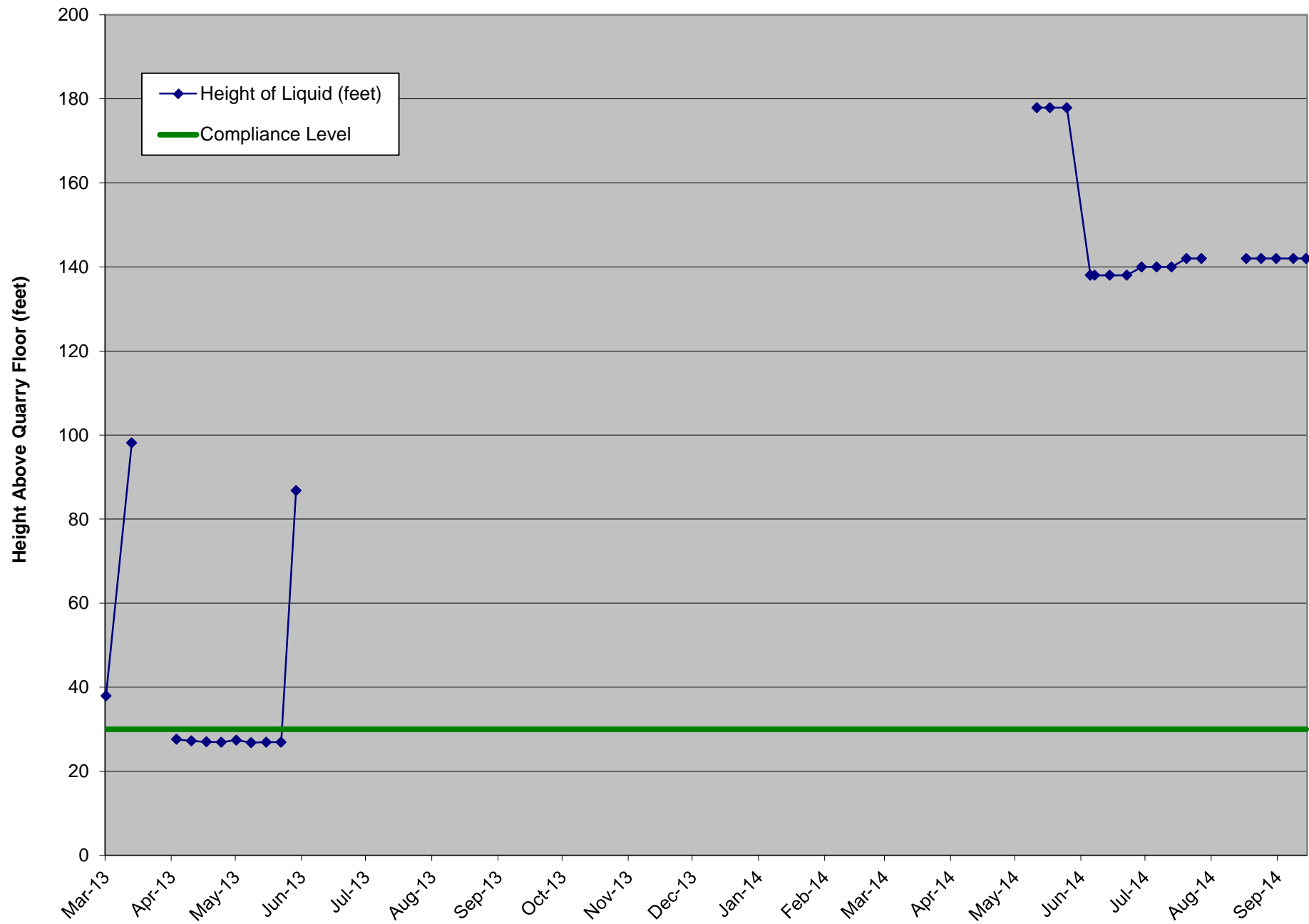
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## **ATTACHMENT A**

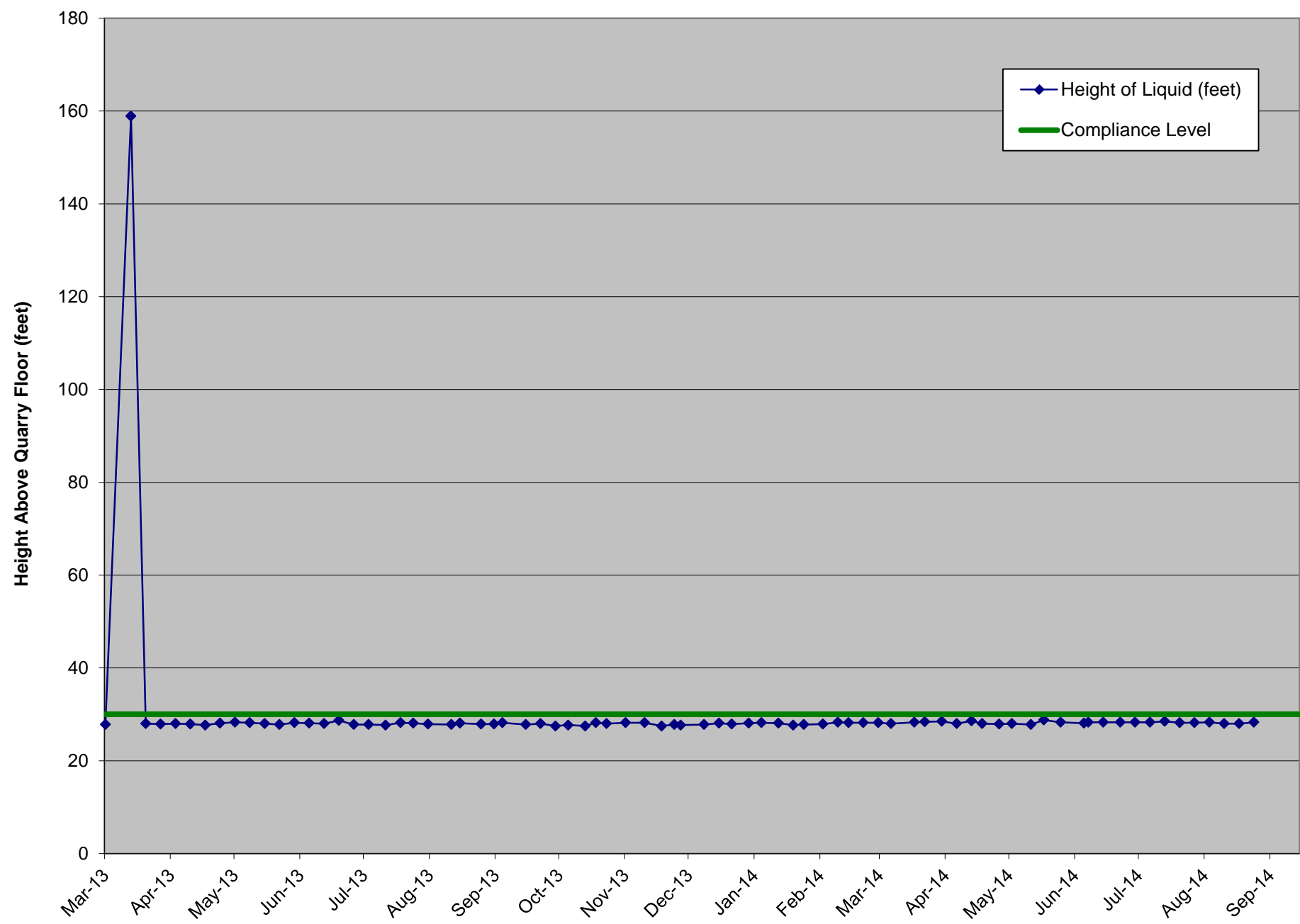
### **LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS**

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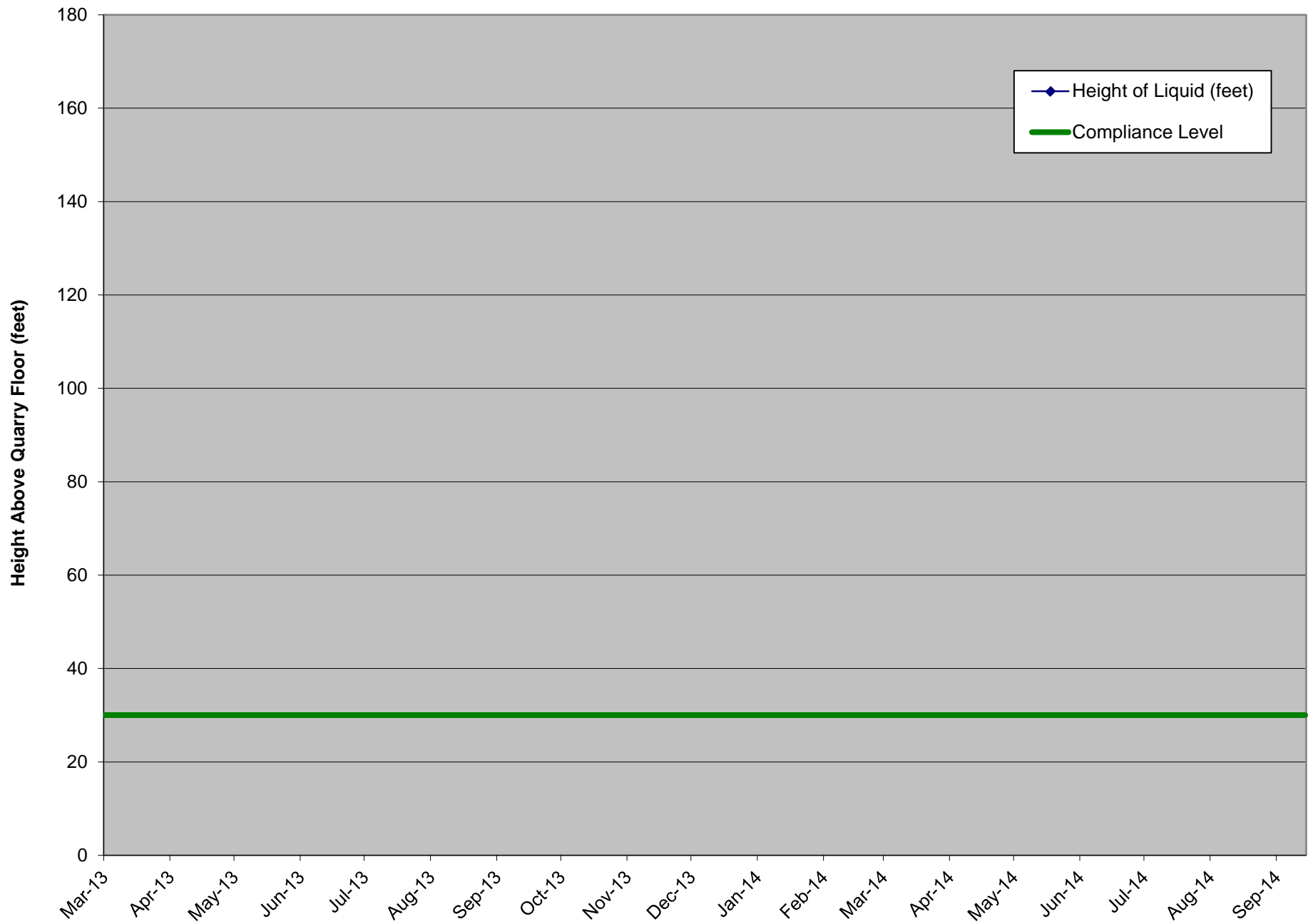
LCS-1D Liquid Level Above Quarry Floor



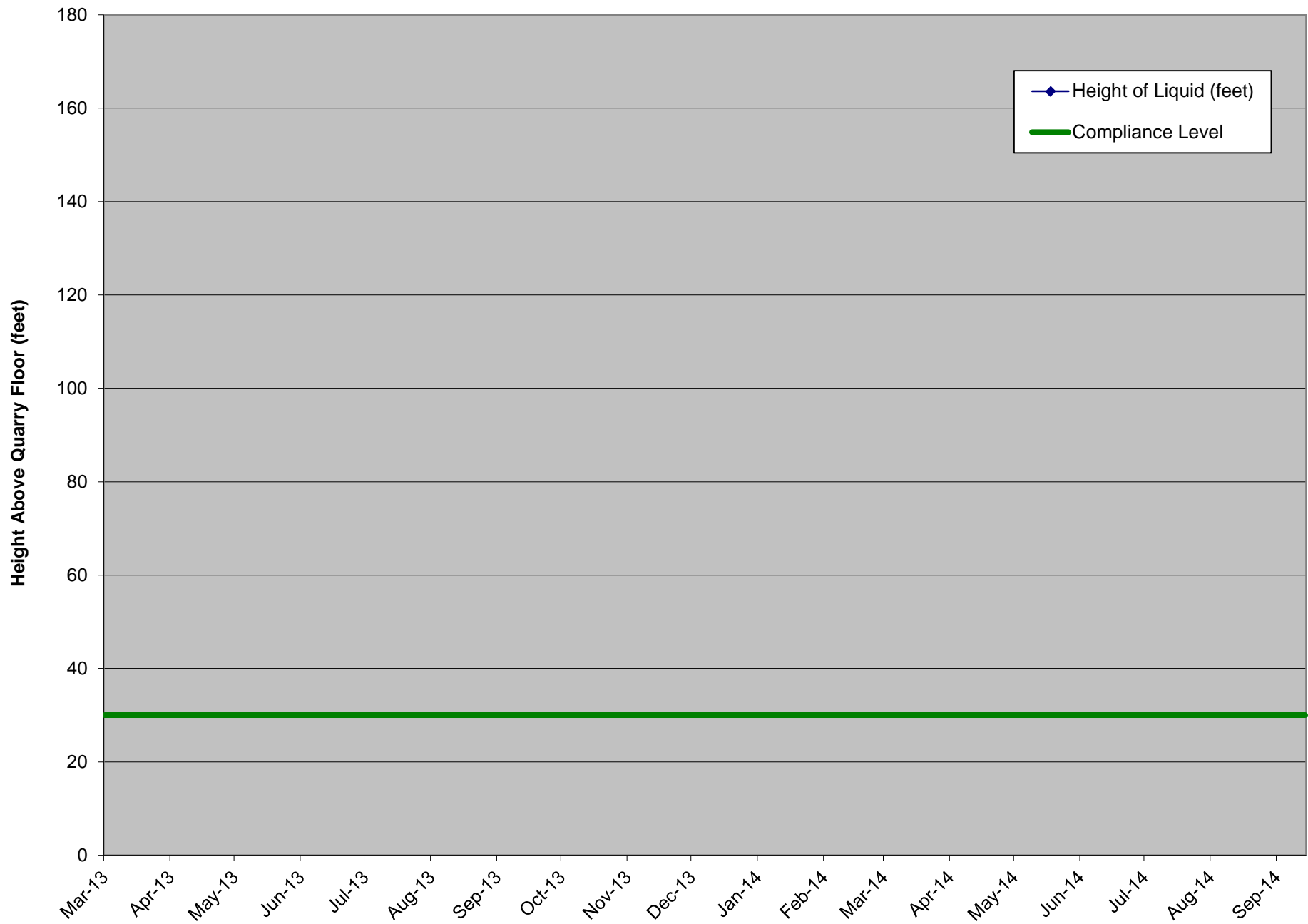
LCS-2D Liquid Level Above Quarry Floor



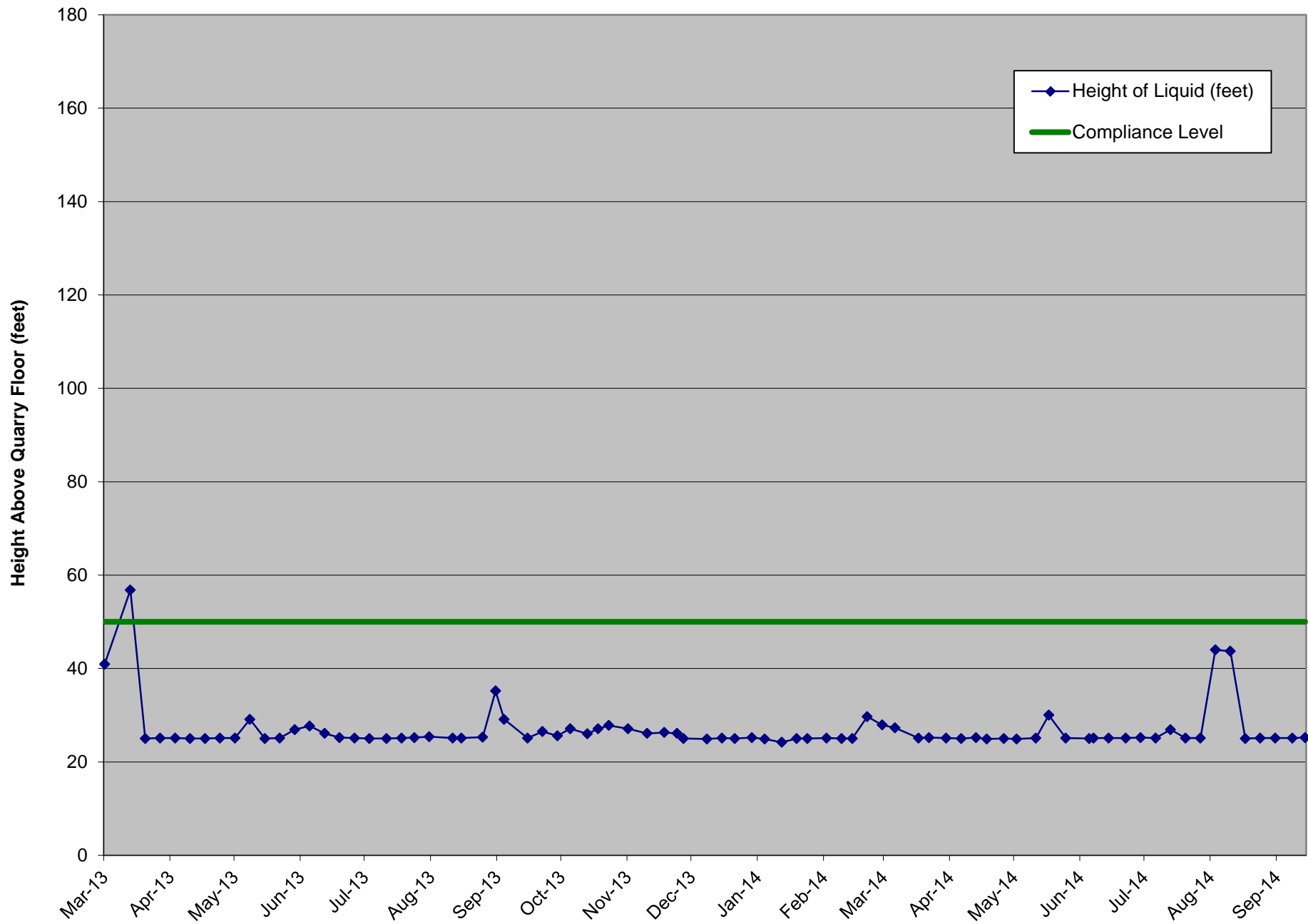
# LCS-3C Liquid Level Above Quarry Floor



# LCS-4B Liquid Level Above Quarry Floor

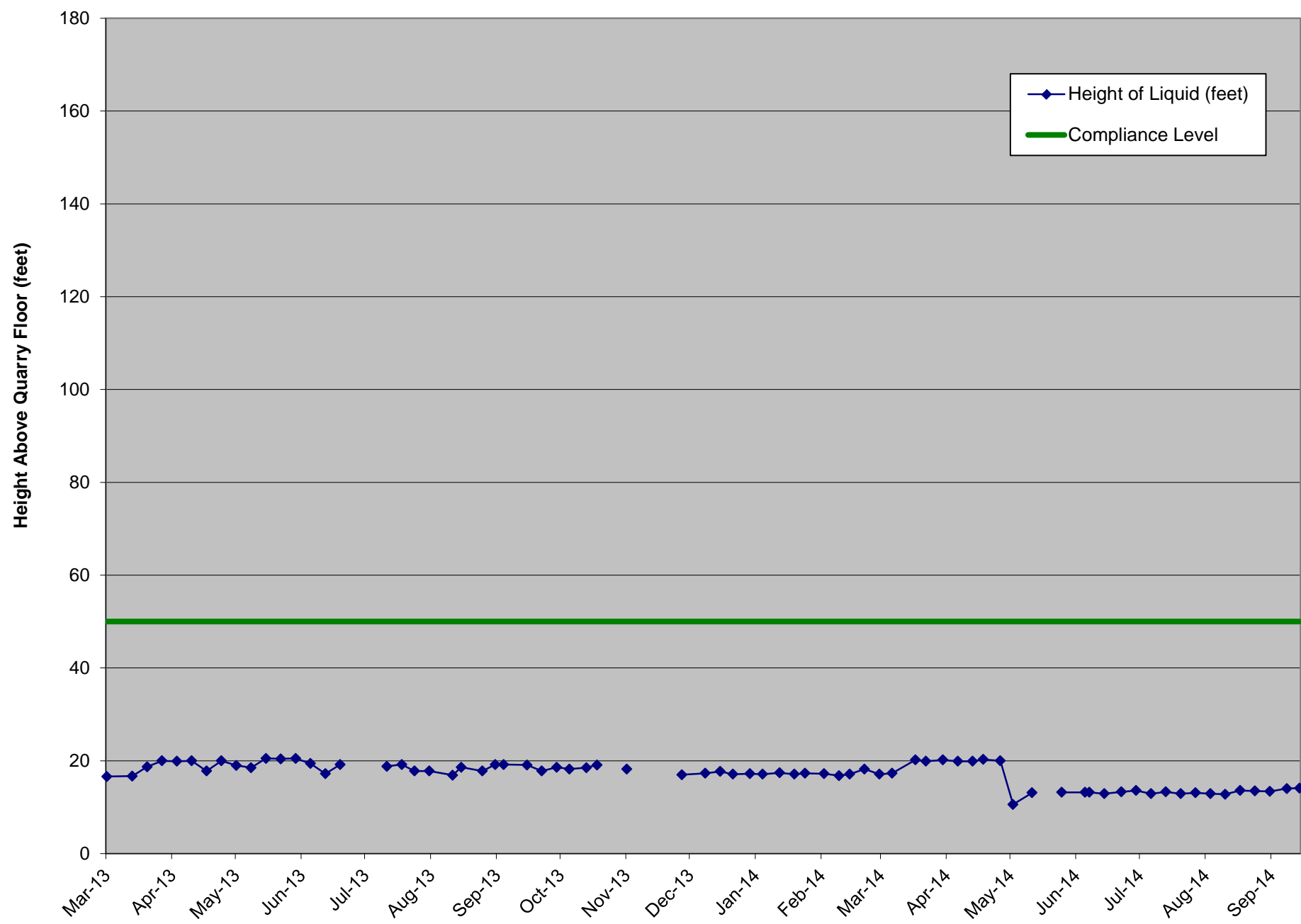


# LCS-5A Liquid Level Above Quarry Floor

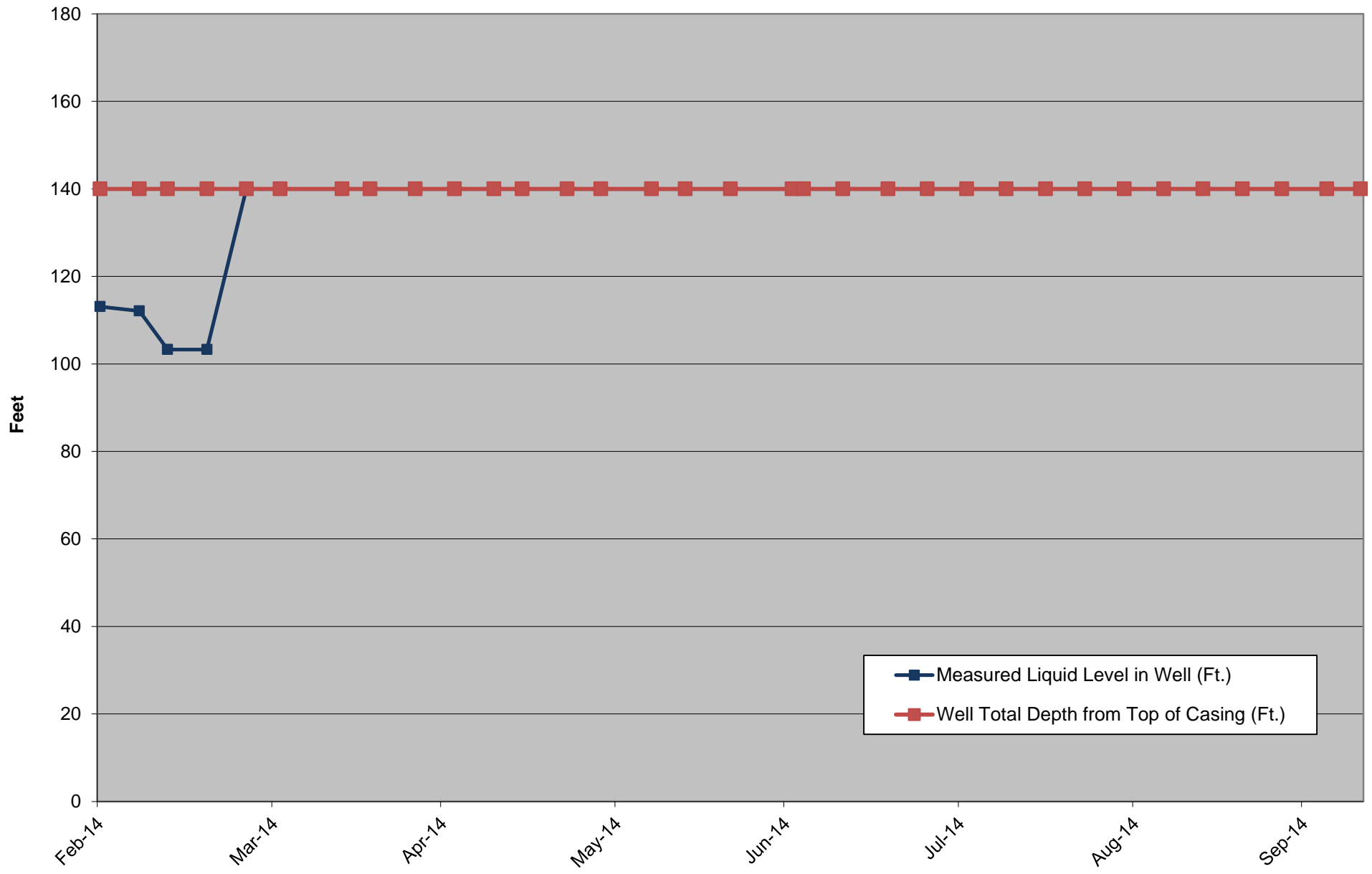




LCS-6B Liquid Level Above Quarry Floor



# LCS-3D Liquid Level



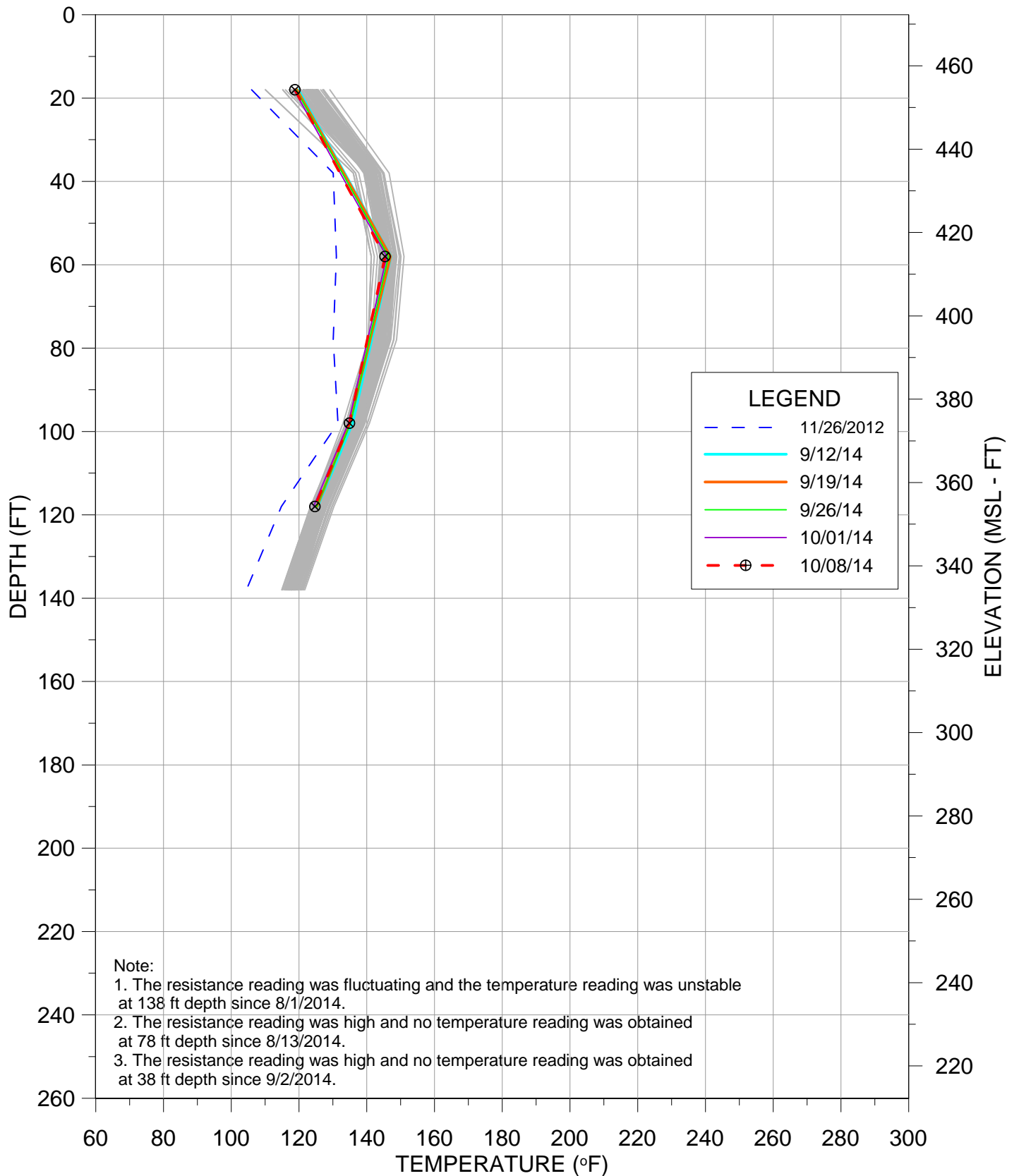
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**ATTACHMENT B**

**TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS**

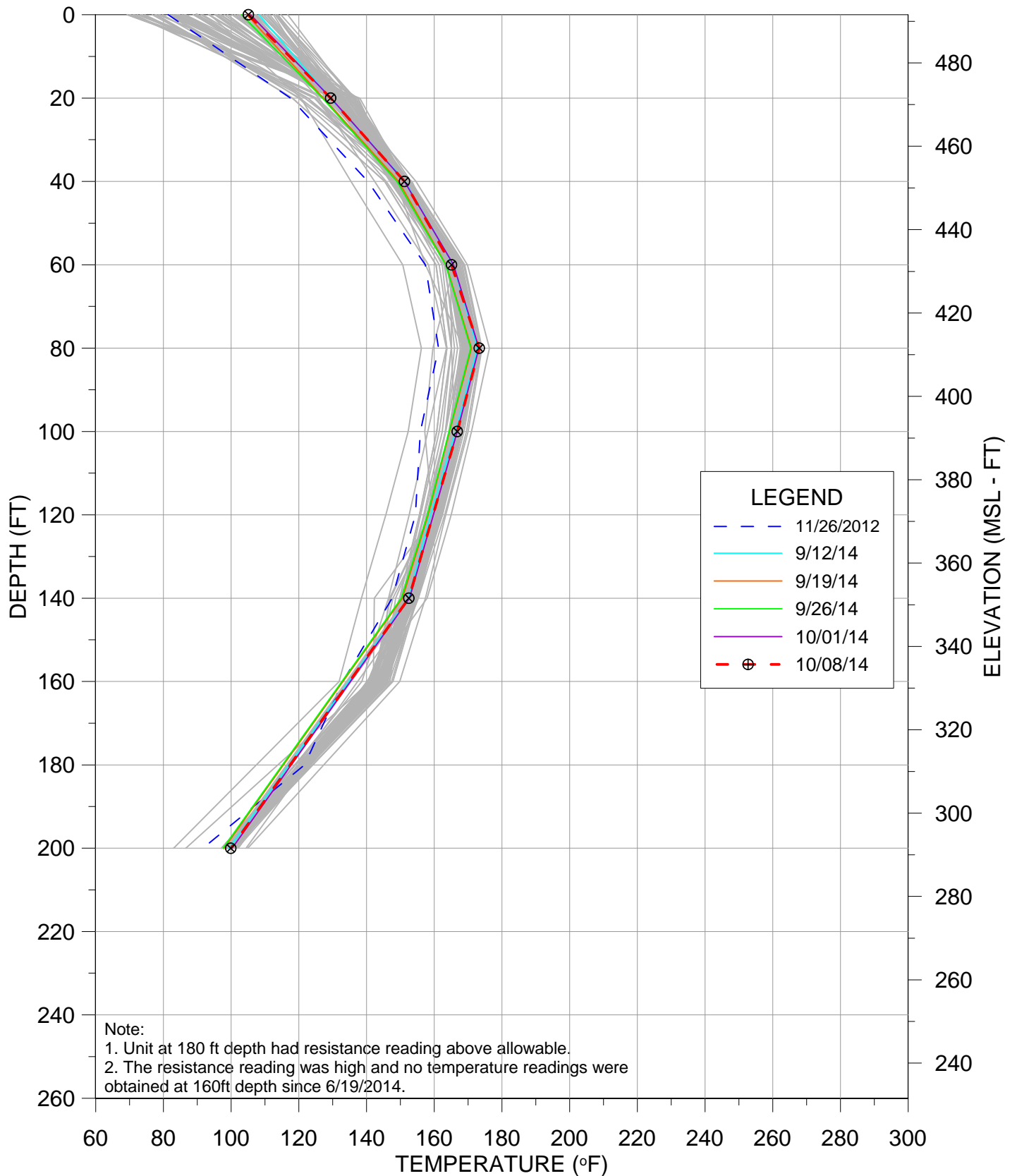
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# TMP-1



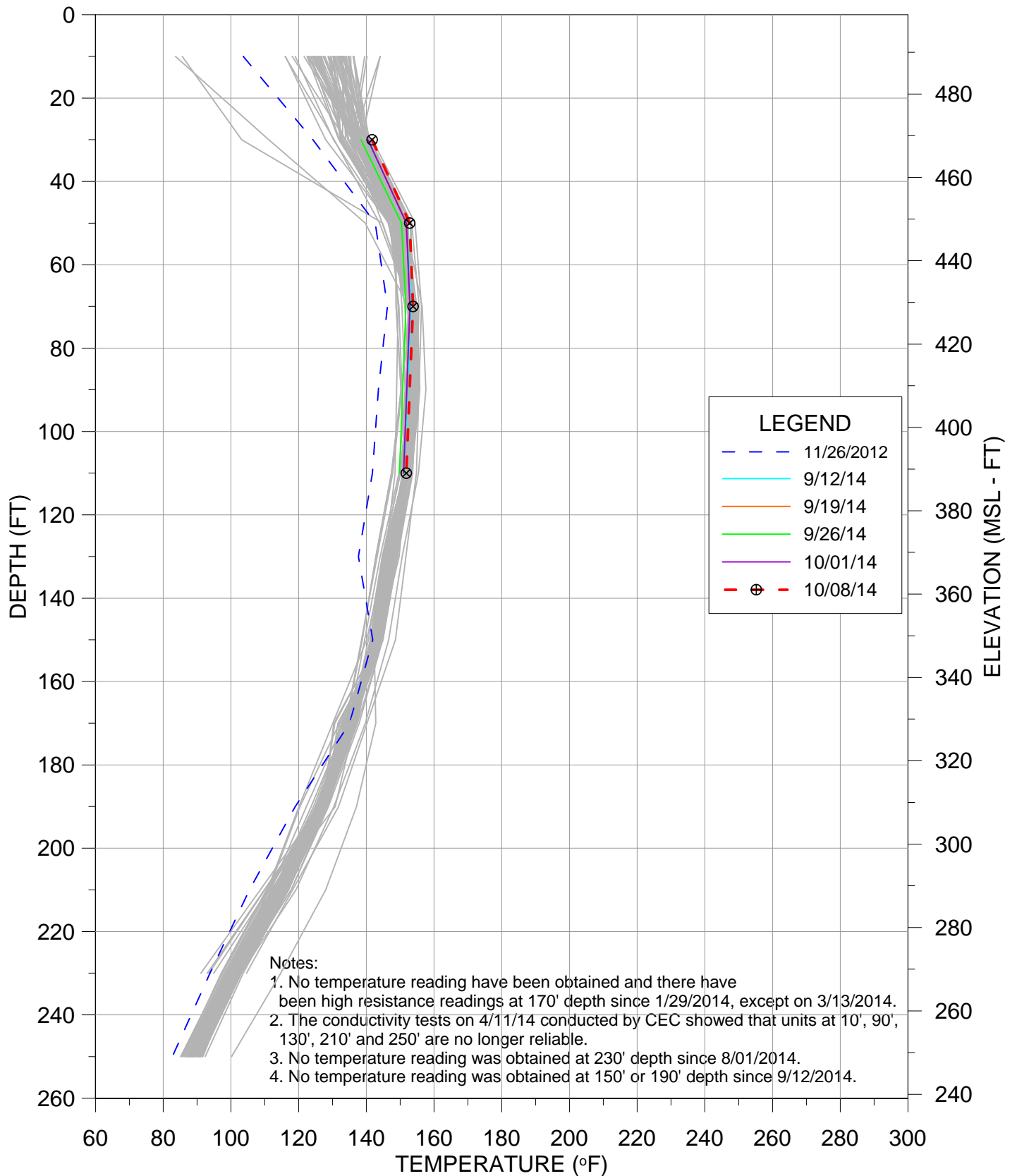
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-2



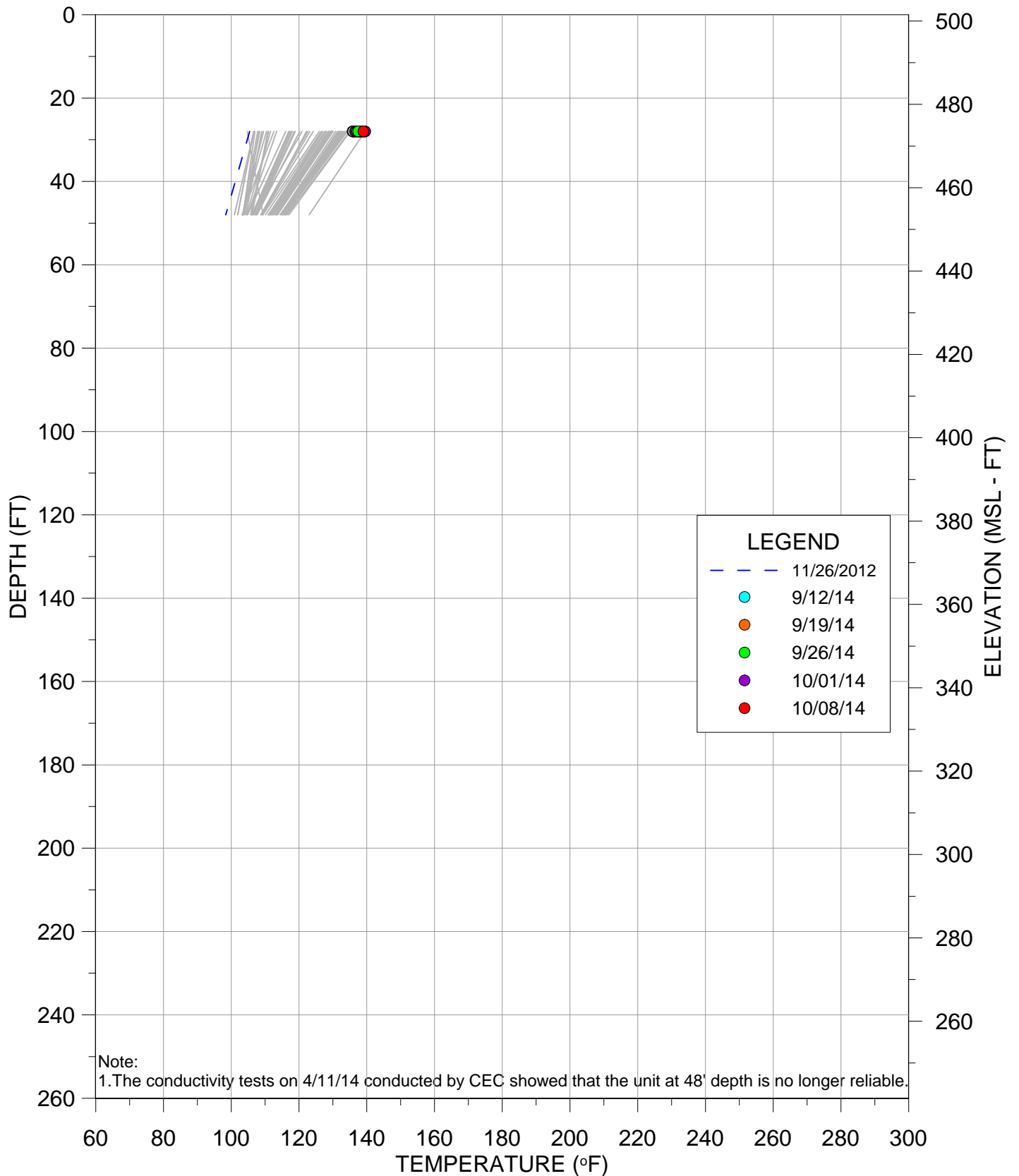
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-3



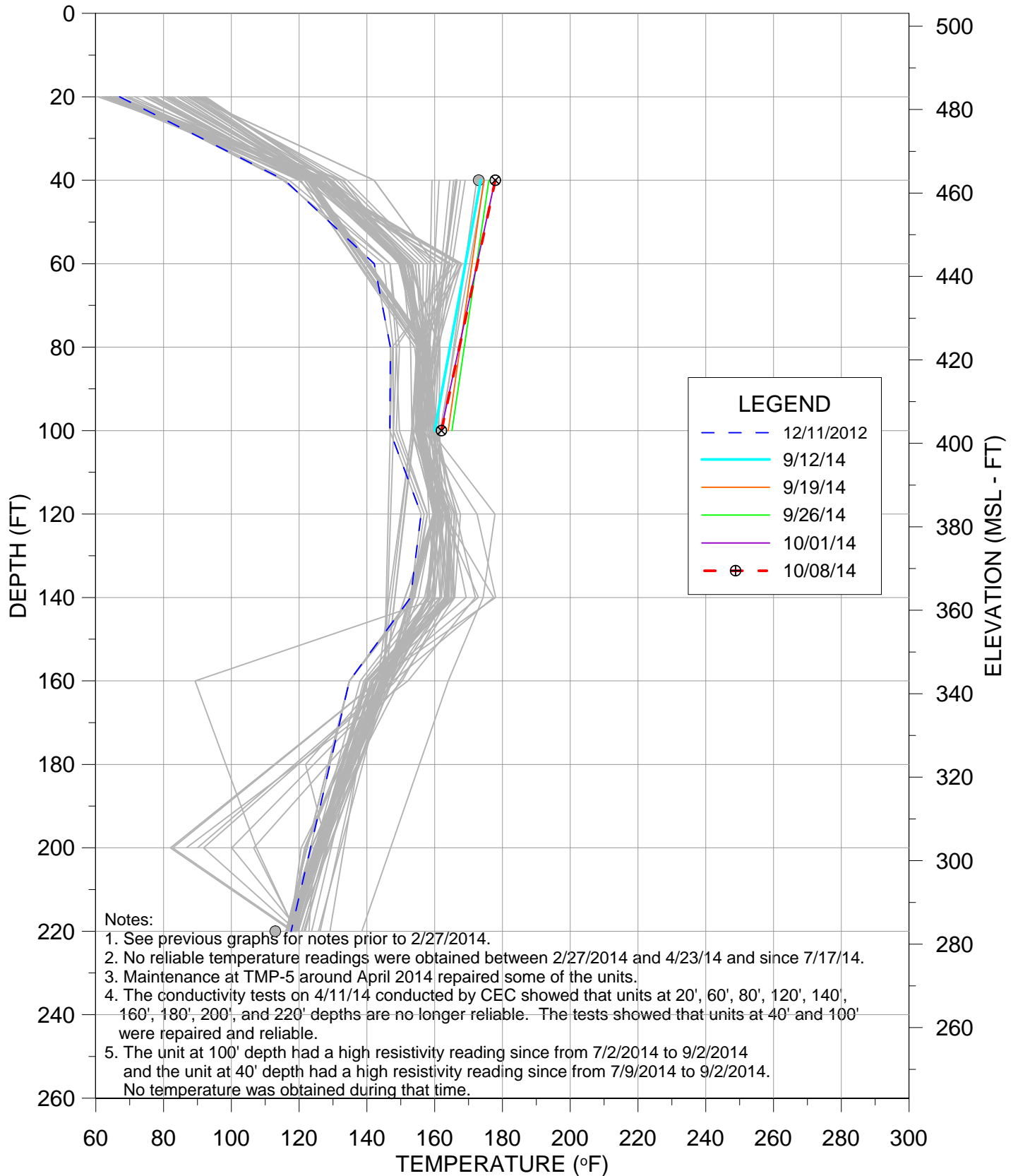
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-4



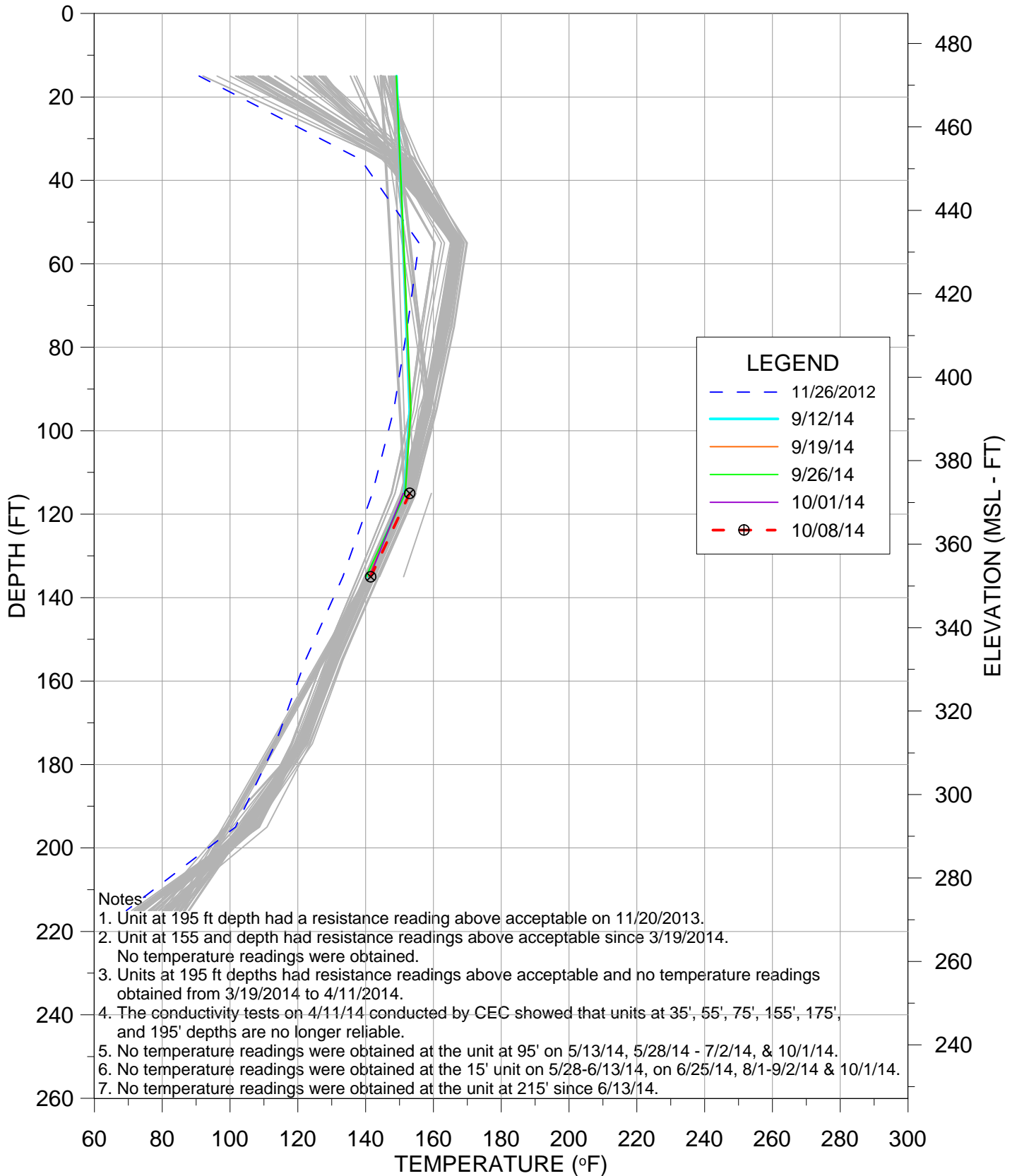
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-5

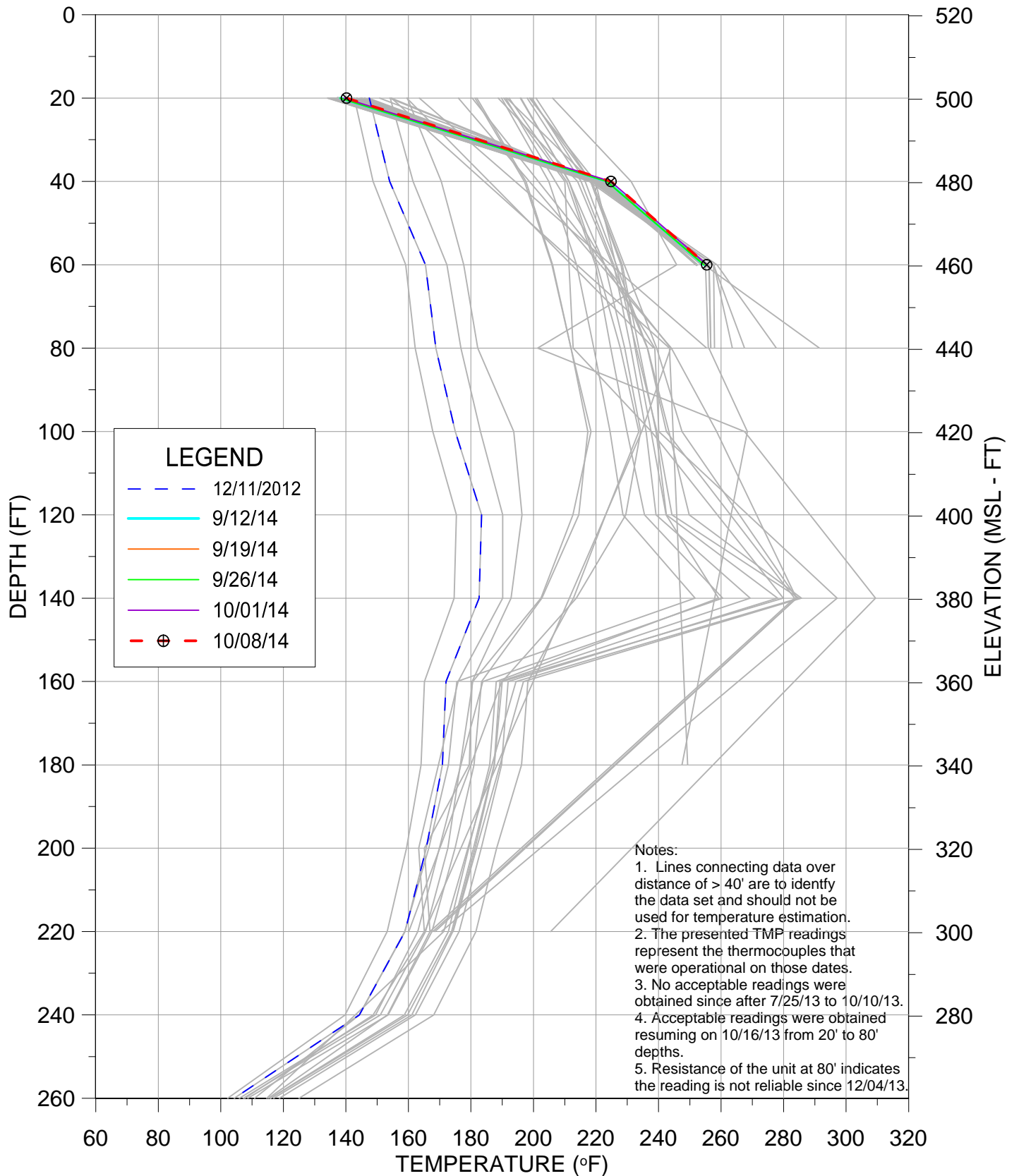




# TMP-6

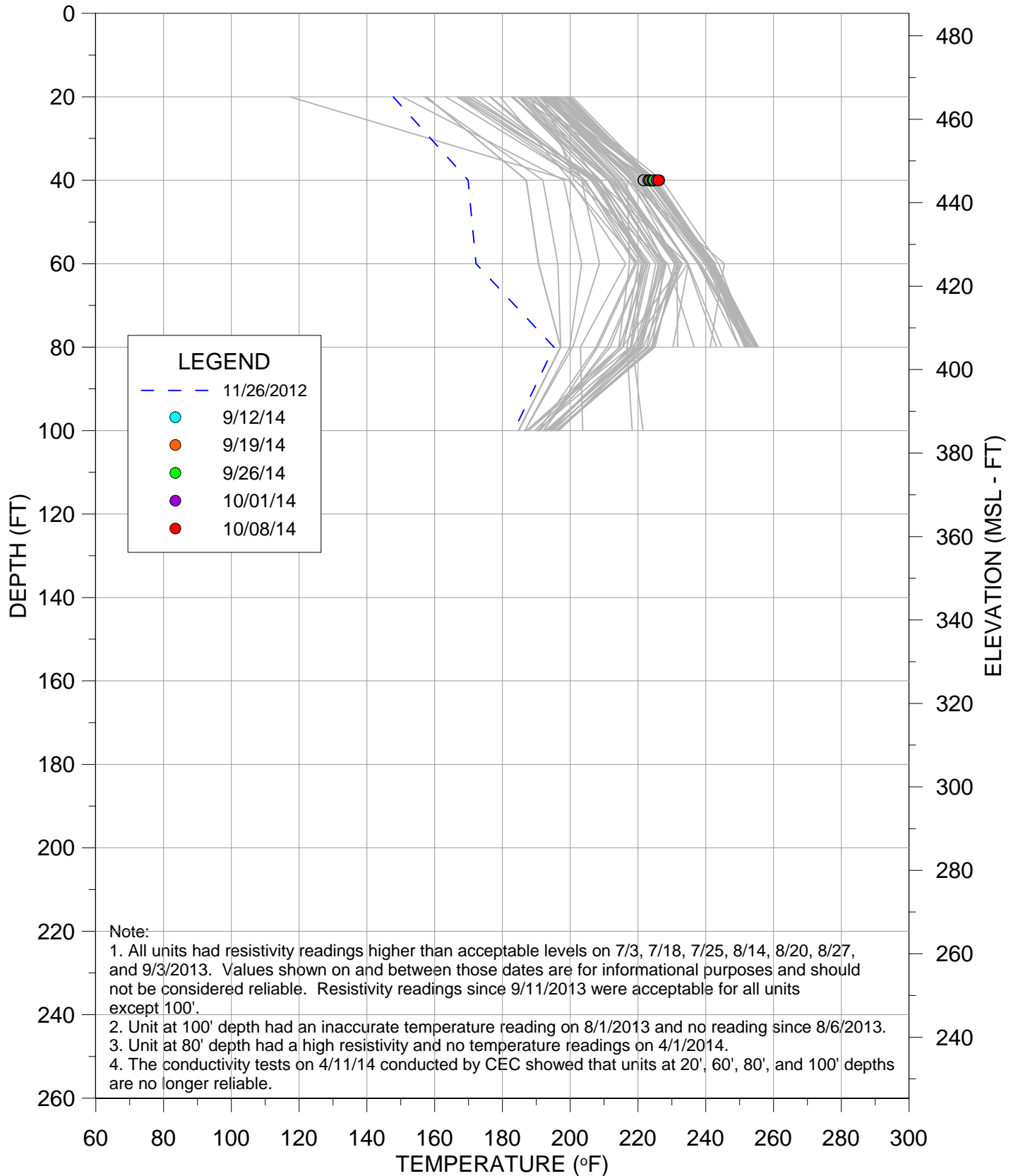


# TMP-8

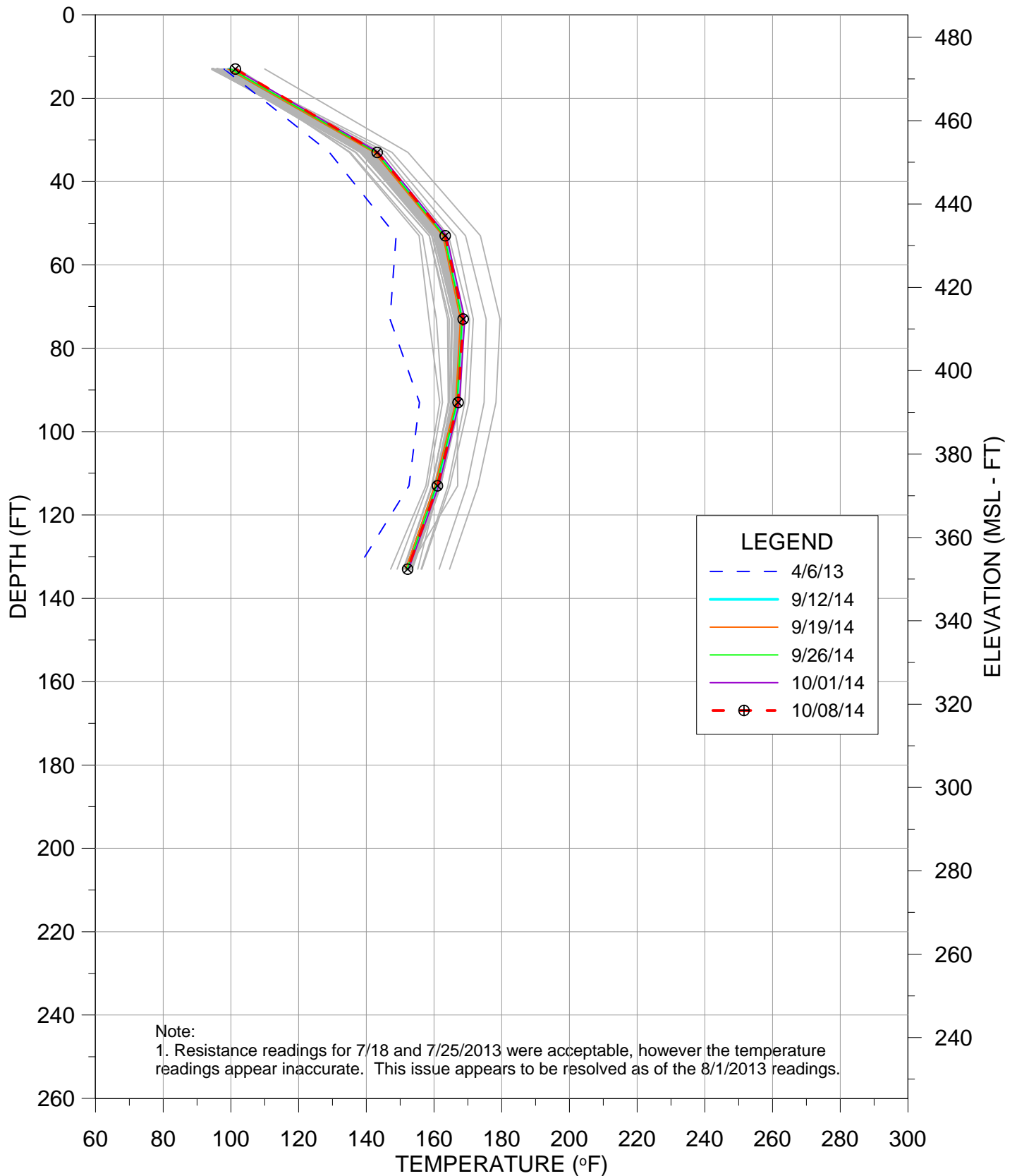


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-9

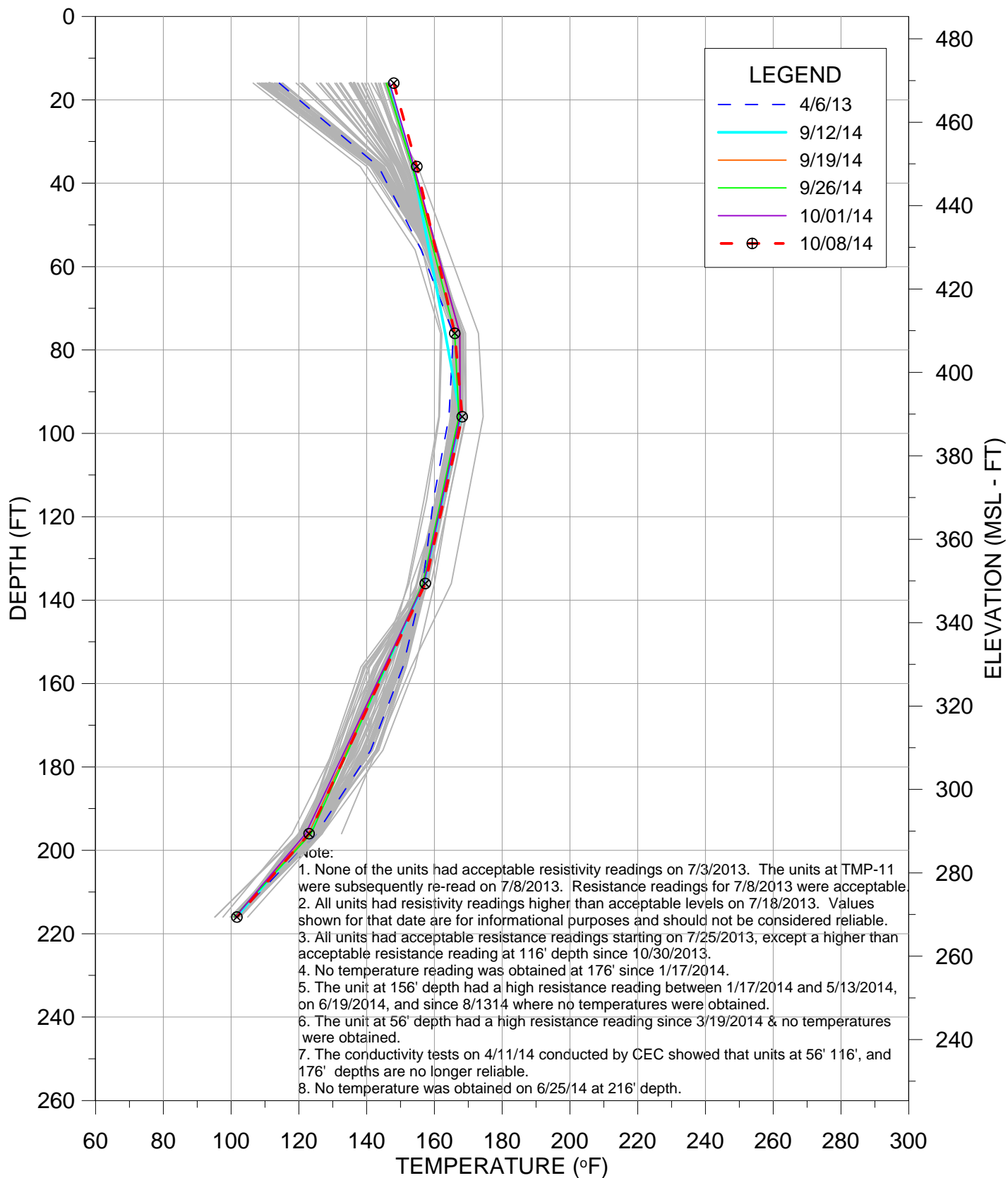


# TMP-10



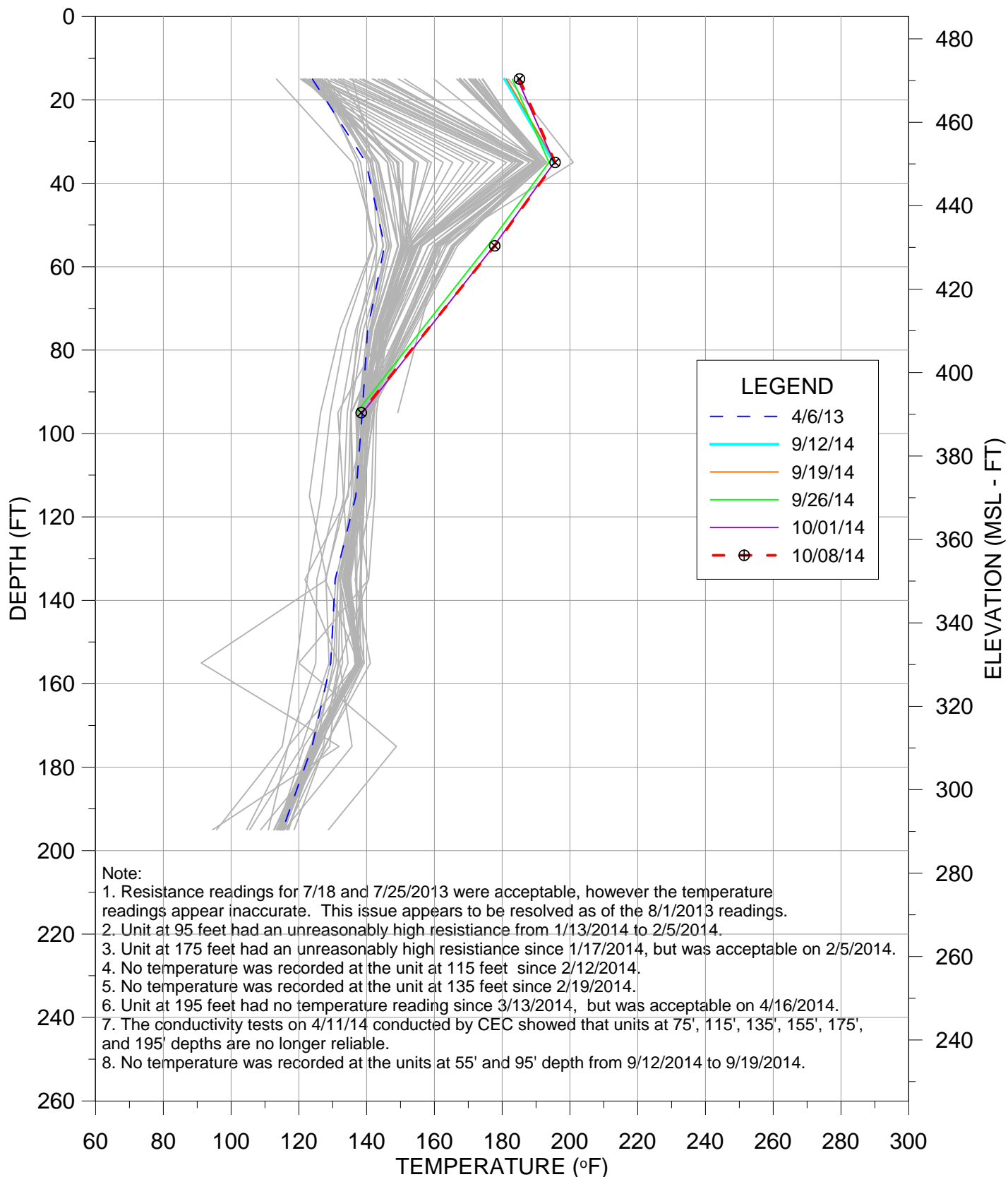
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-11

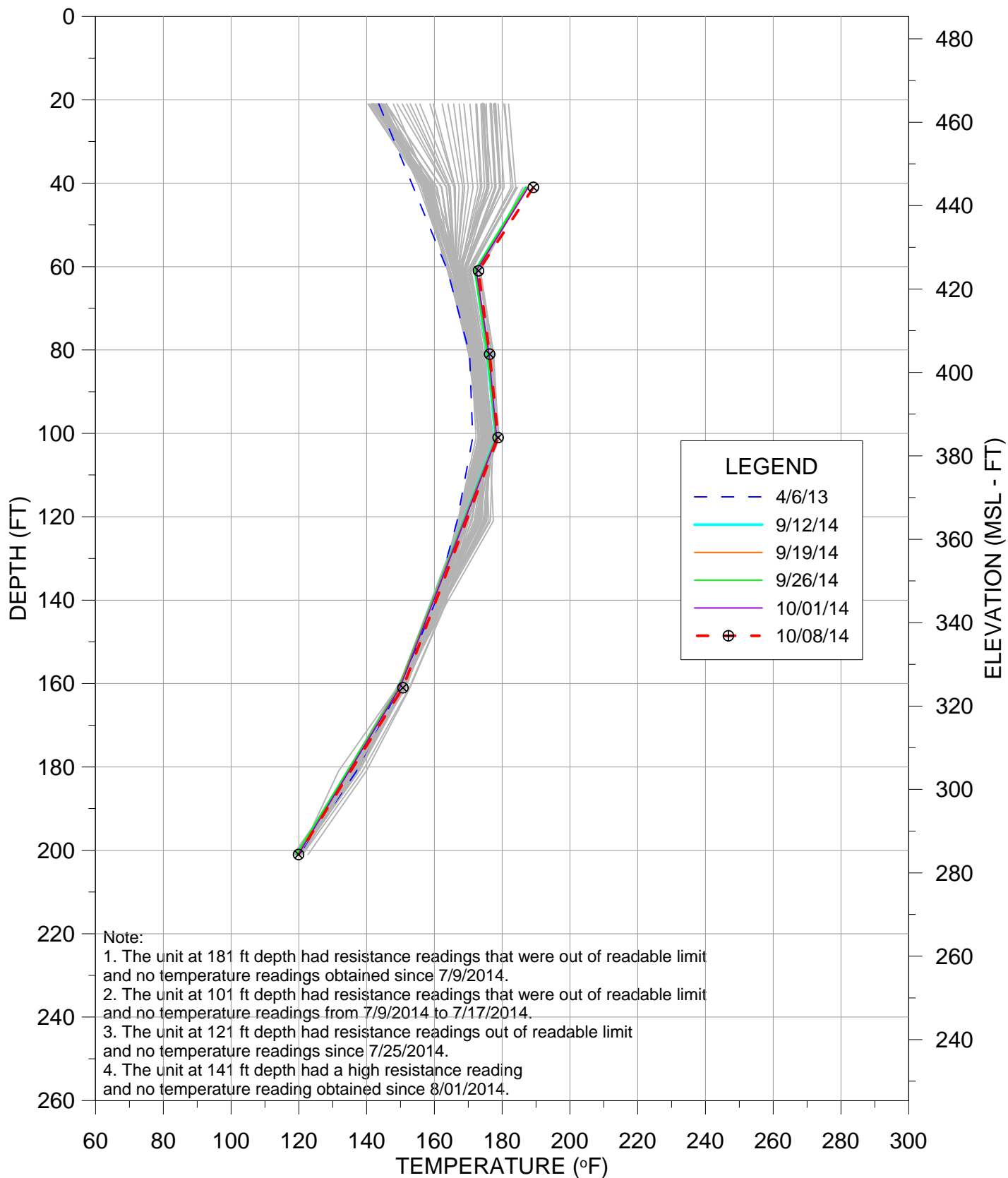


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

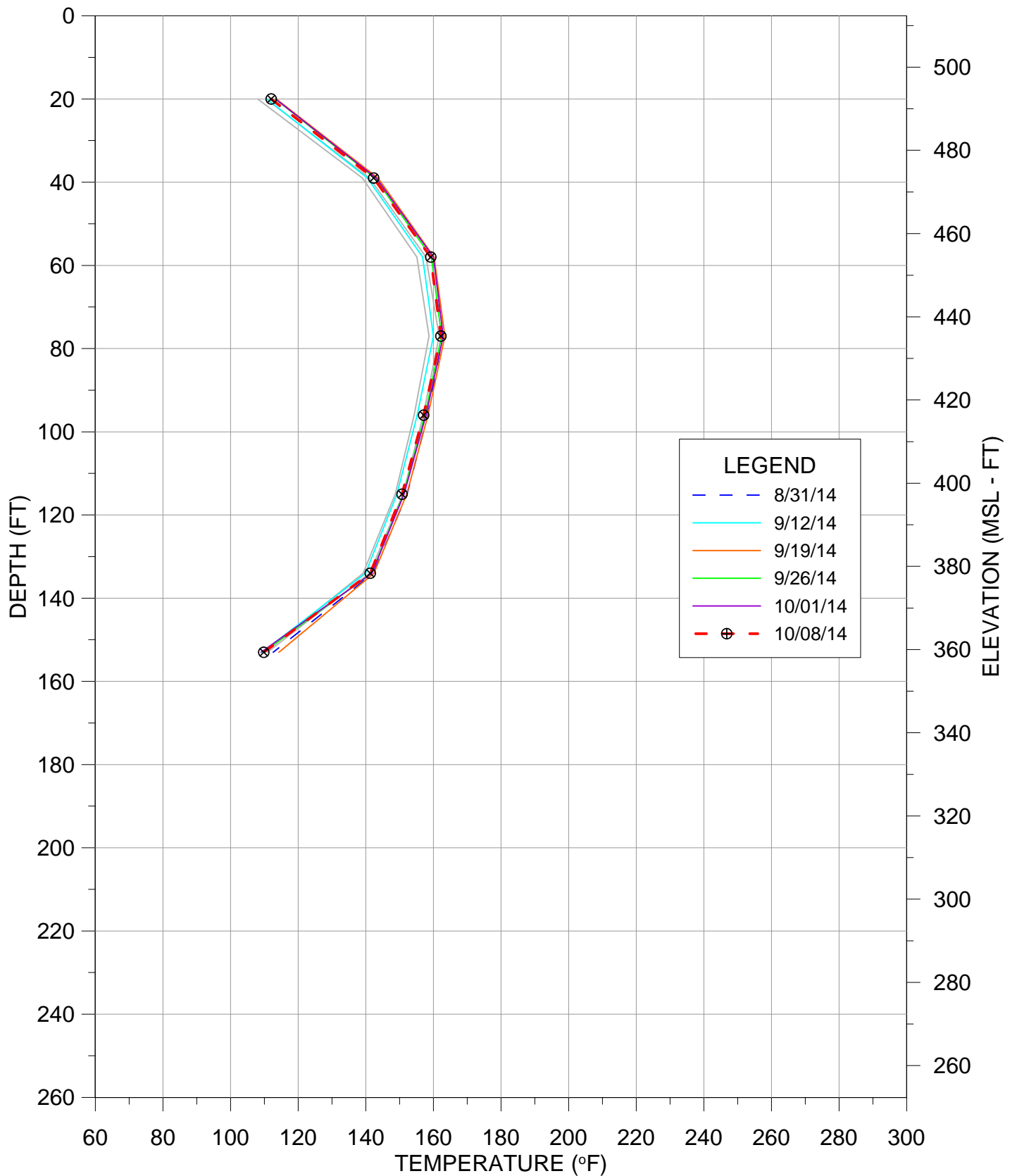
# TMP-12



# TMP-14



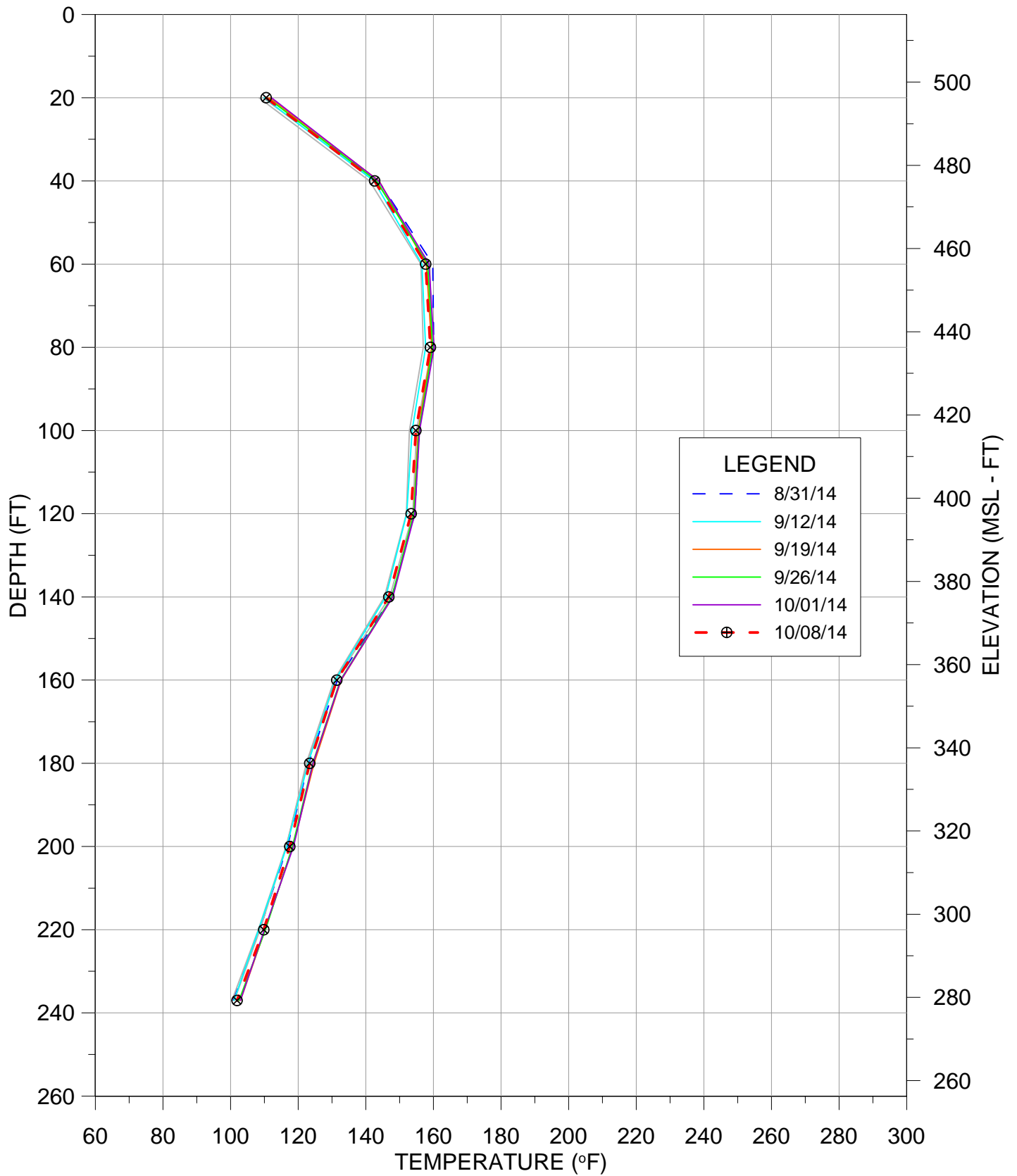
# TMP-16



TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

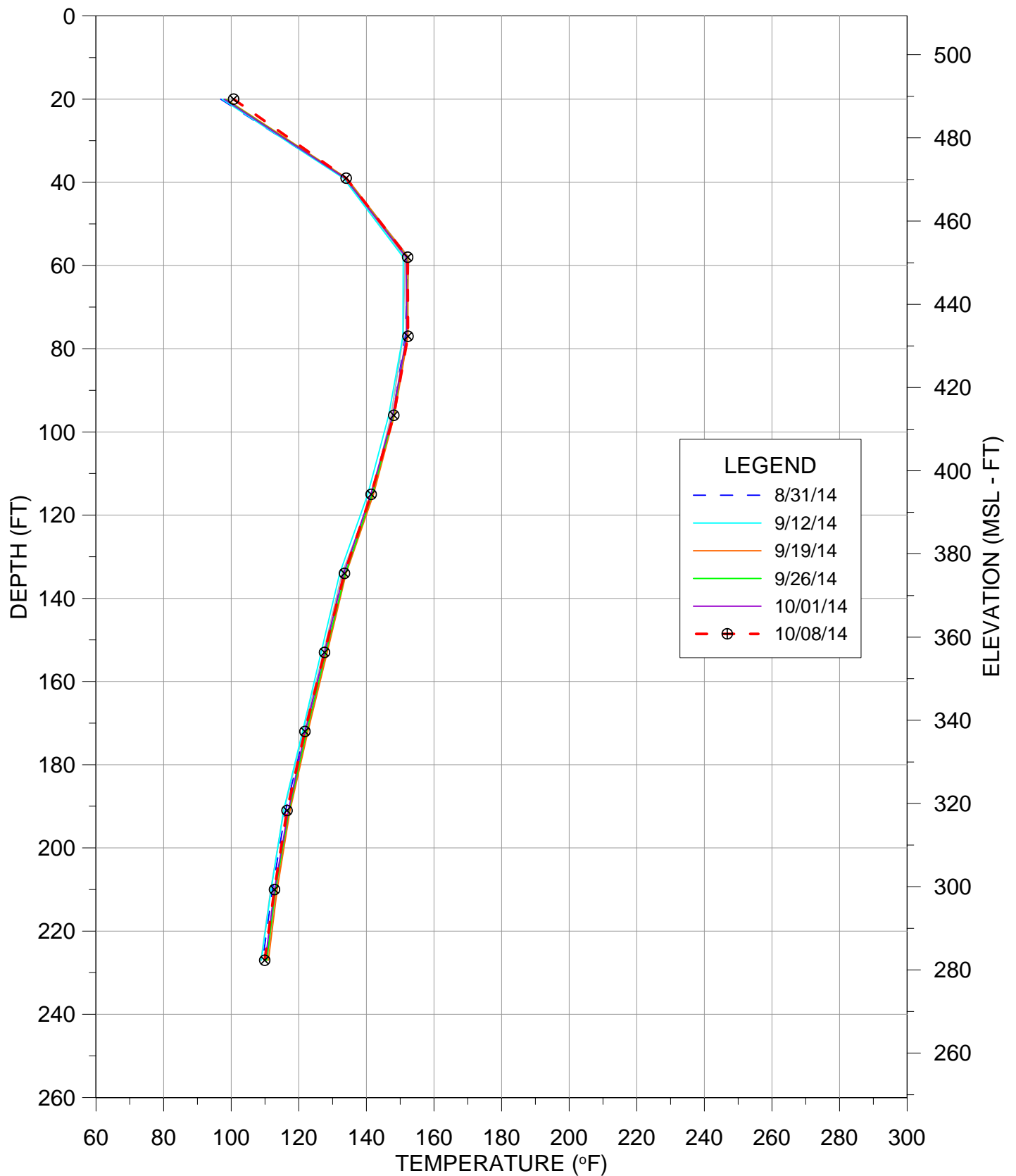


# TMP-17



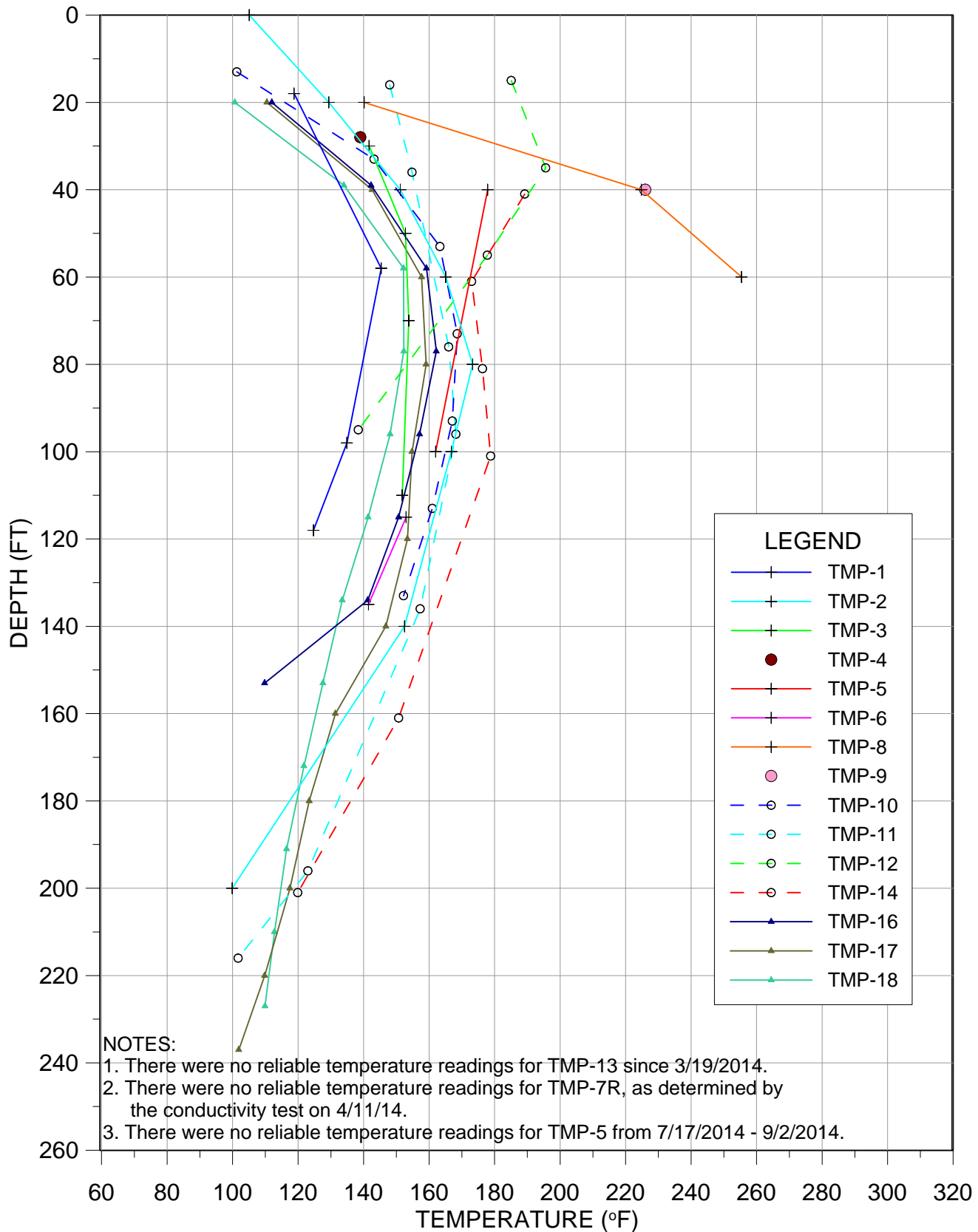
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-18

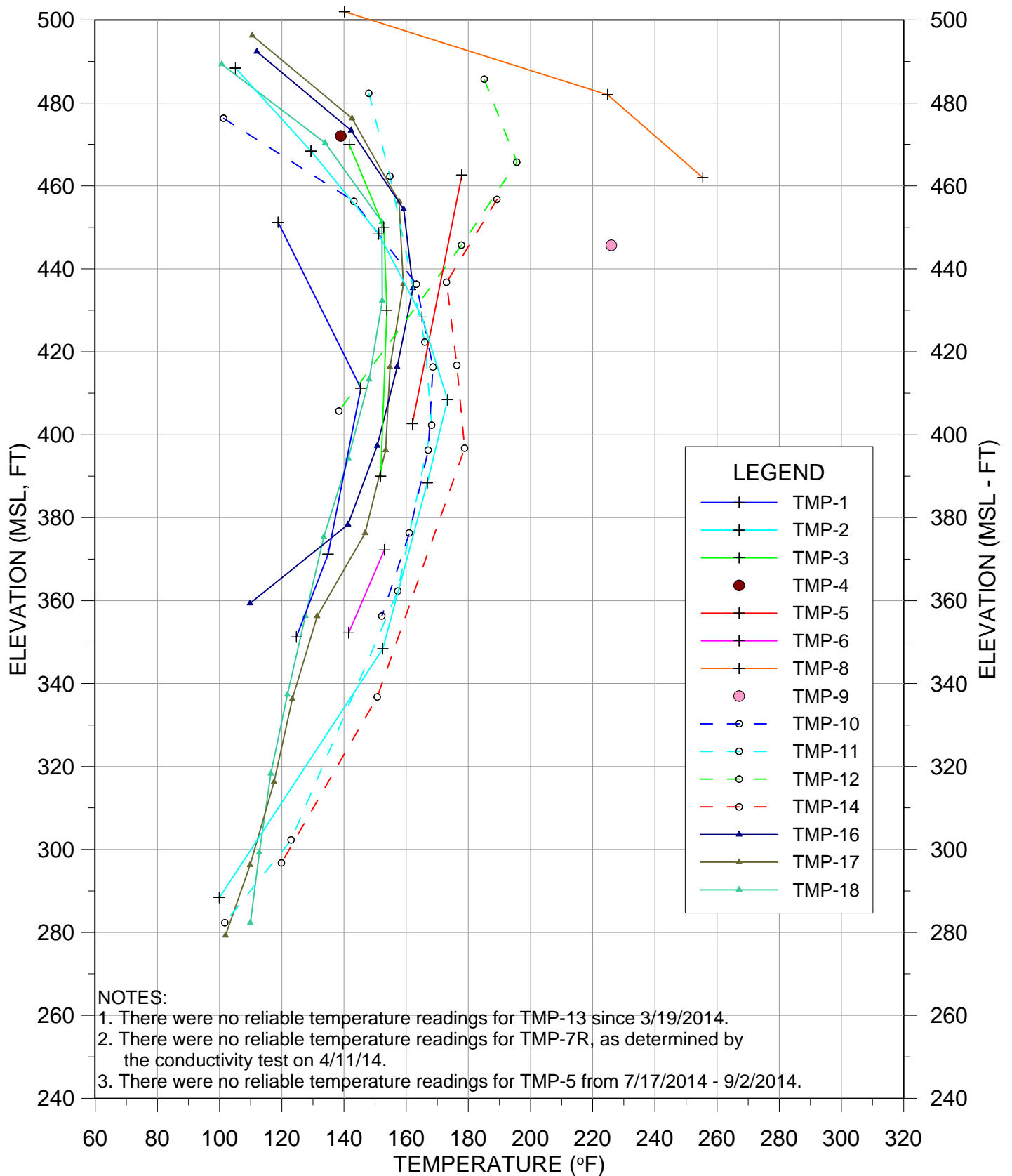


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

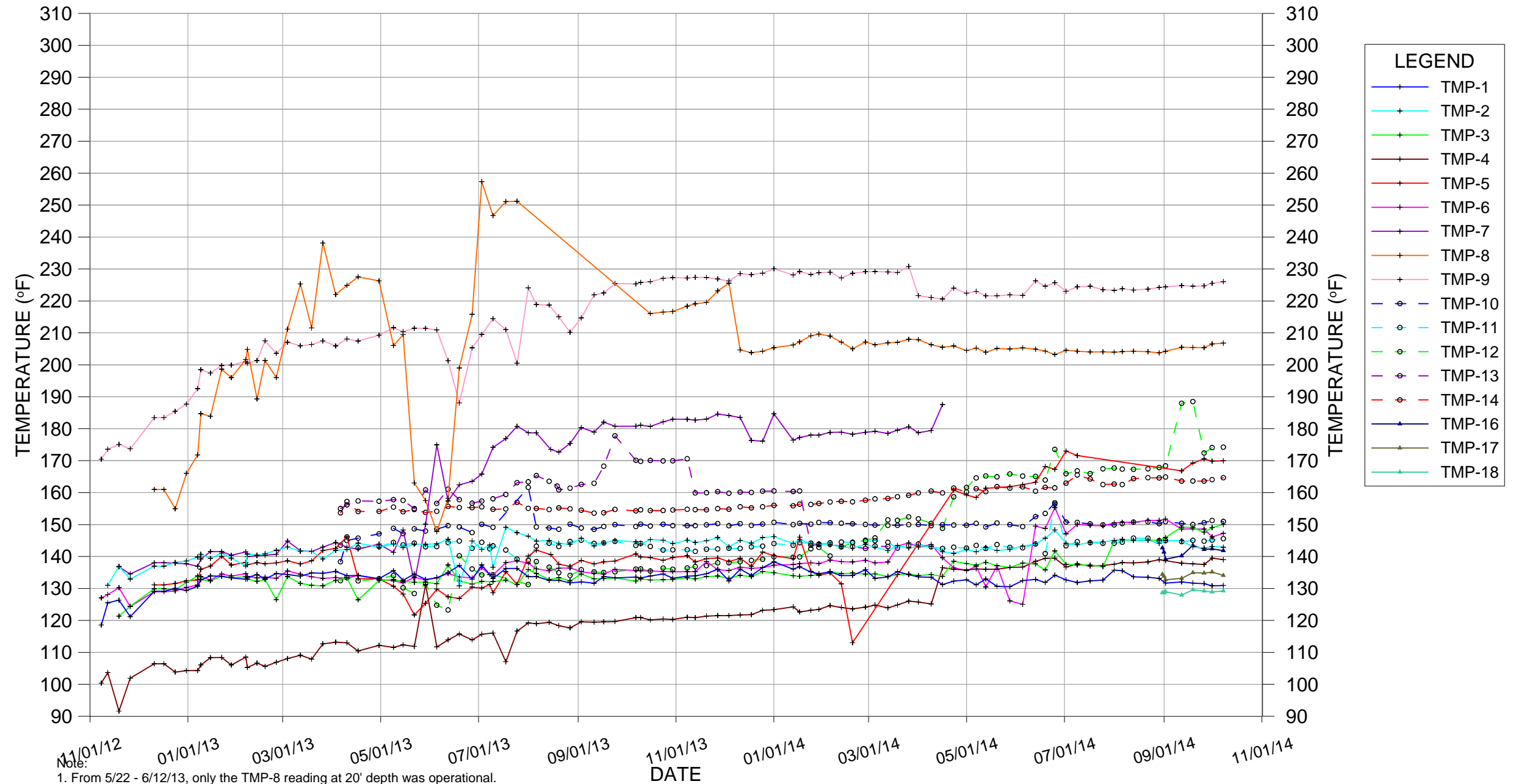
# 10/8/2014 -DEPTH



# 10/8/2014 - ELEVATION

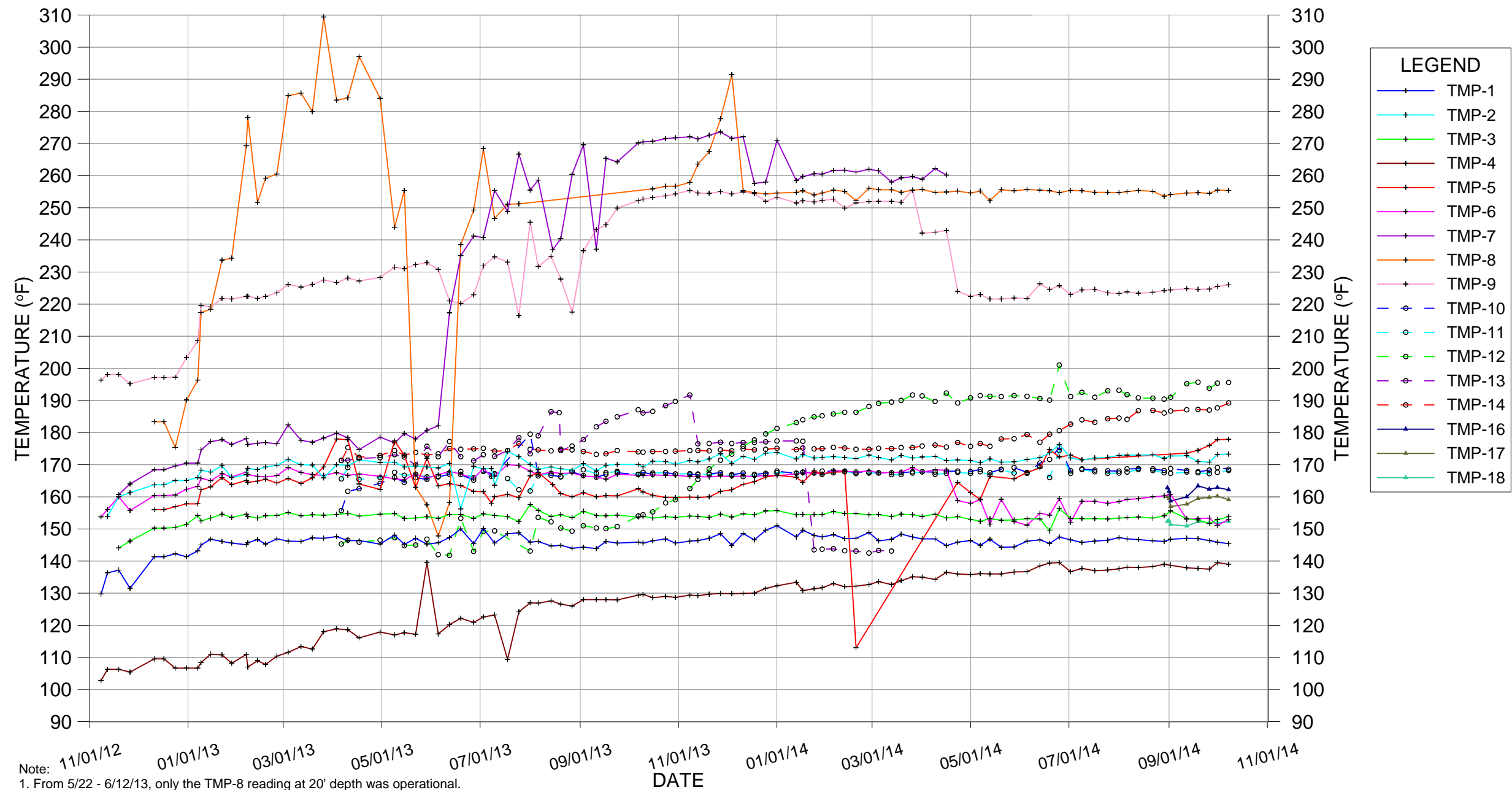


# AVERAGE TEMPERATURES



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

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

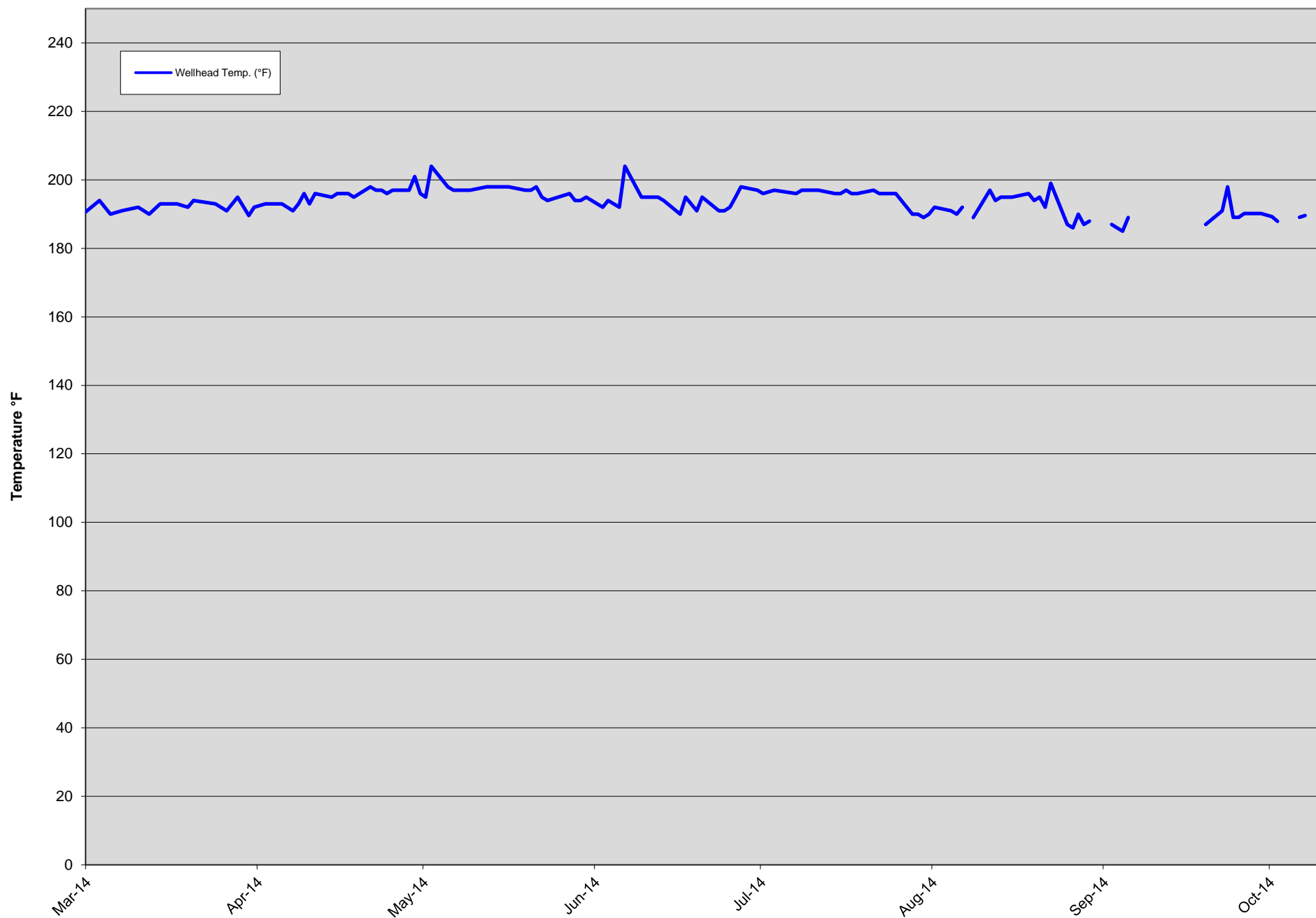
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**ATTACHMENT C**

**GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS**

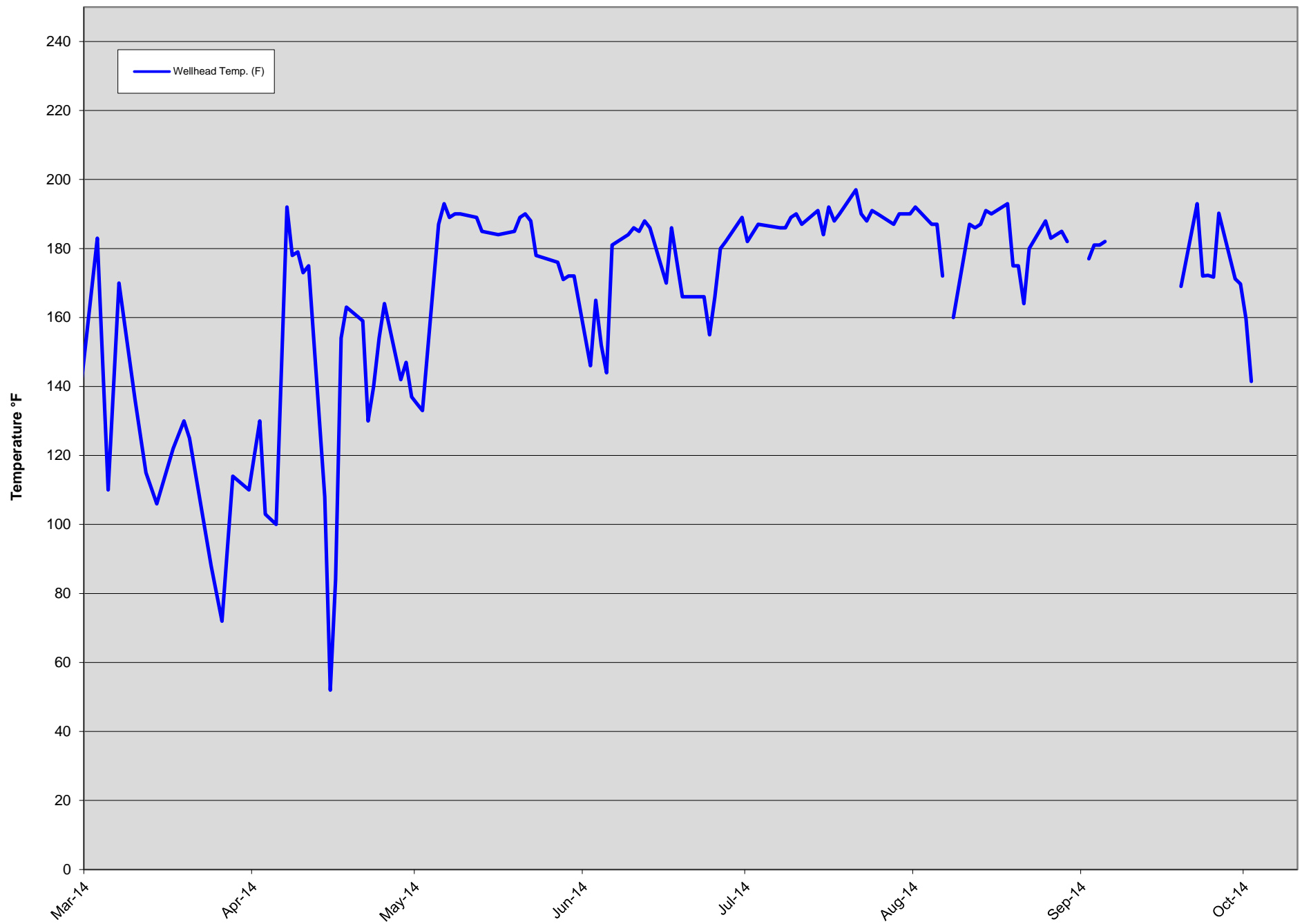
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# GIW-1 Wellhead Temperatures

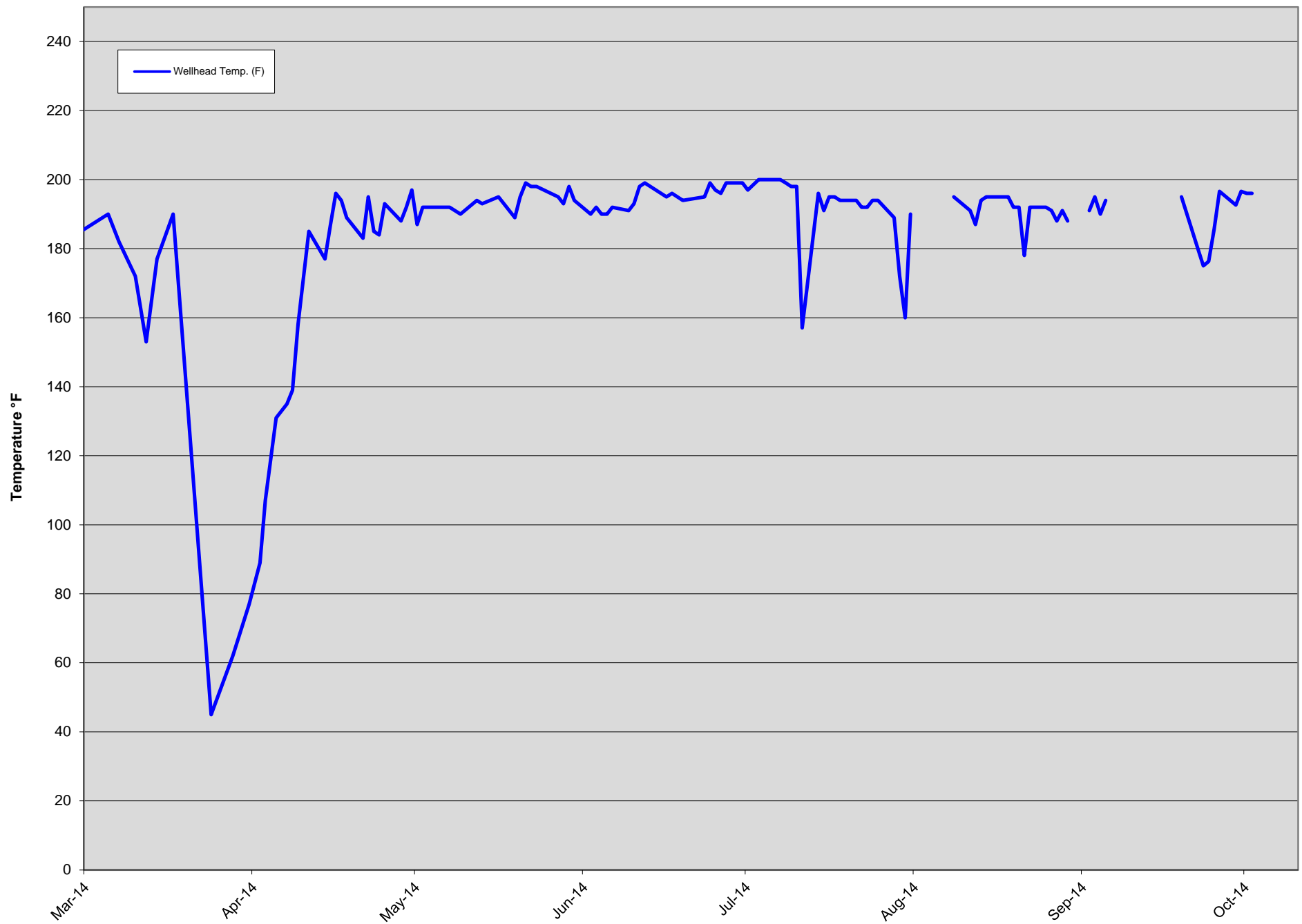




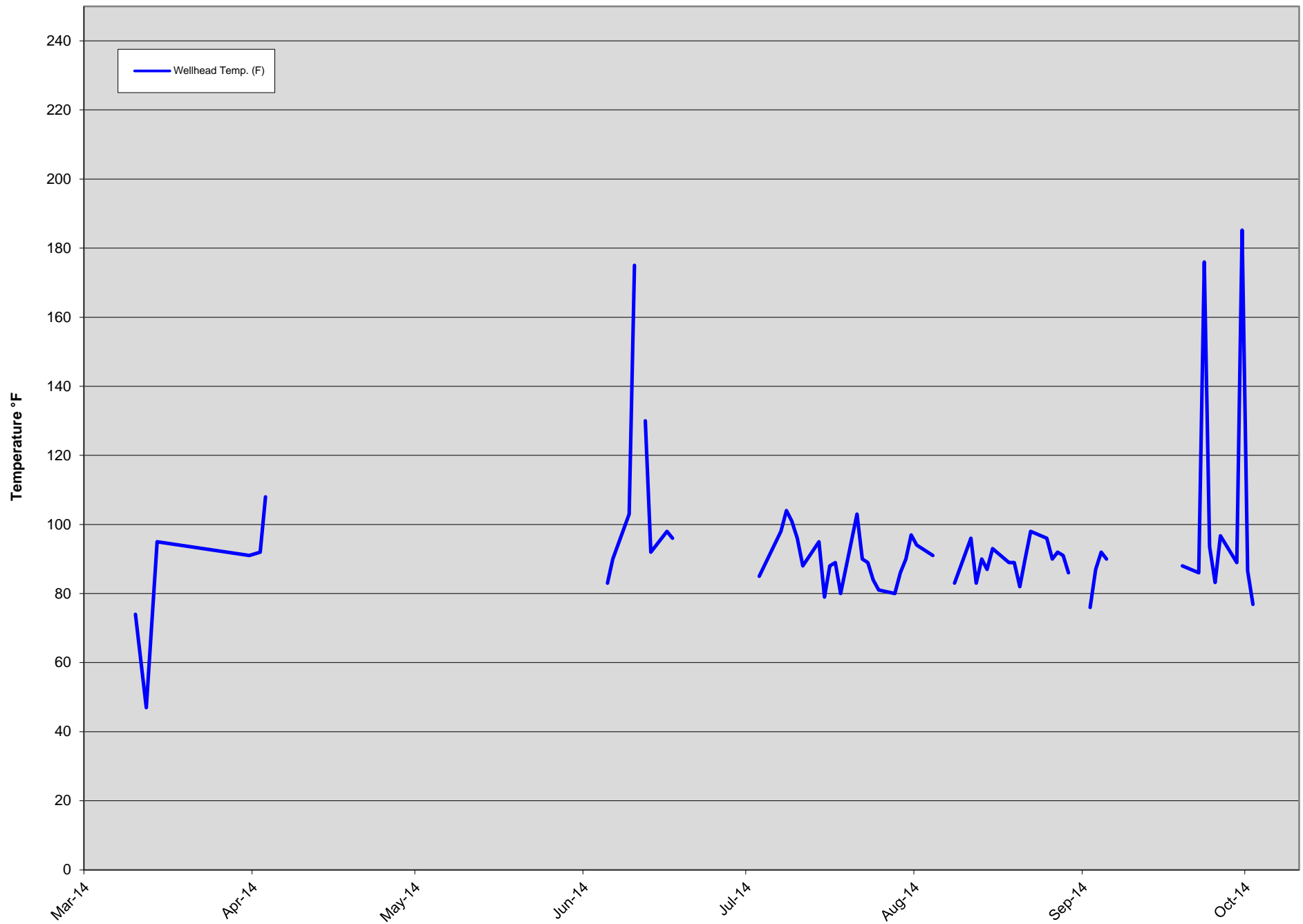
## GIW-2 Wellhead Temperatures



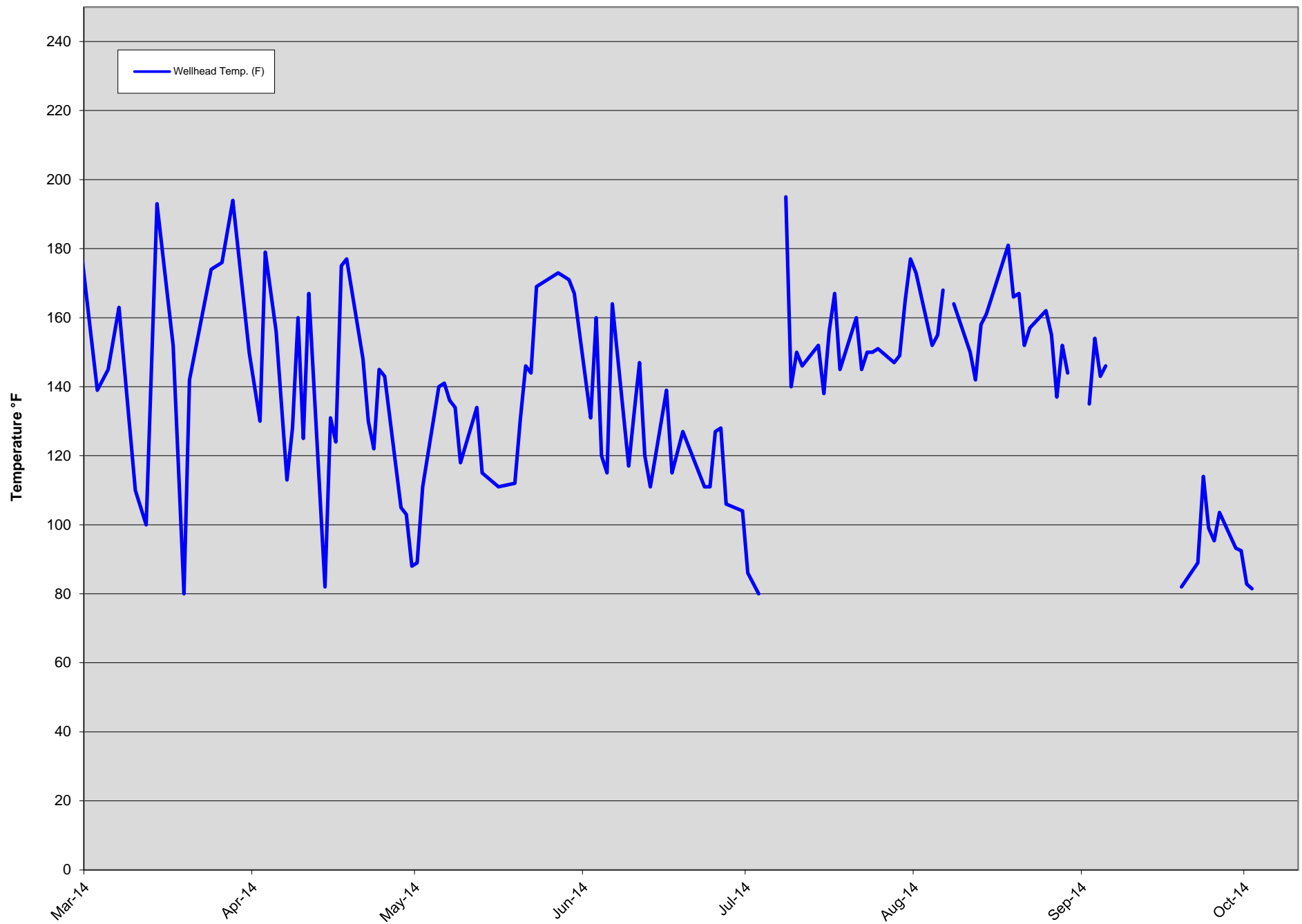
GIW-3 Wellhead Temperatures



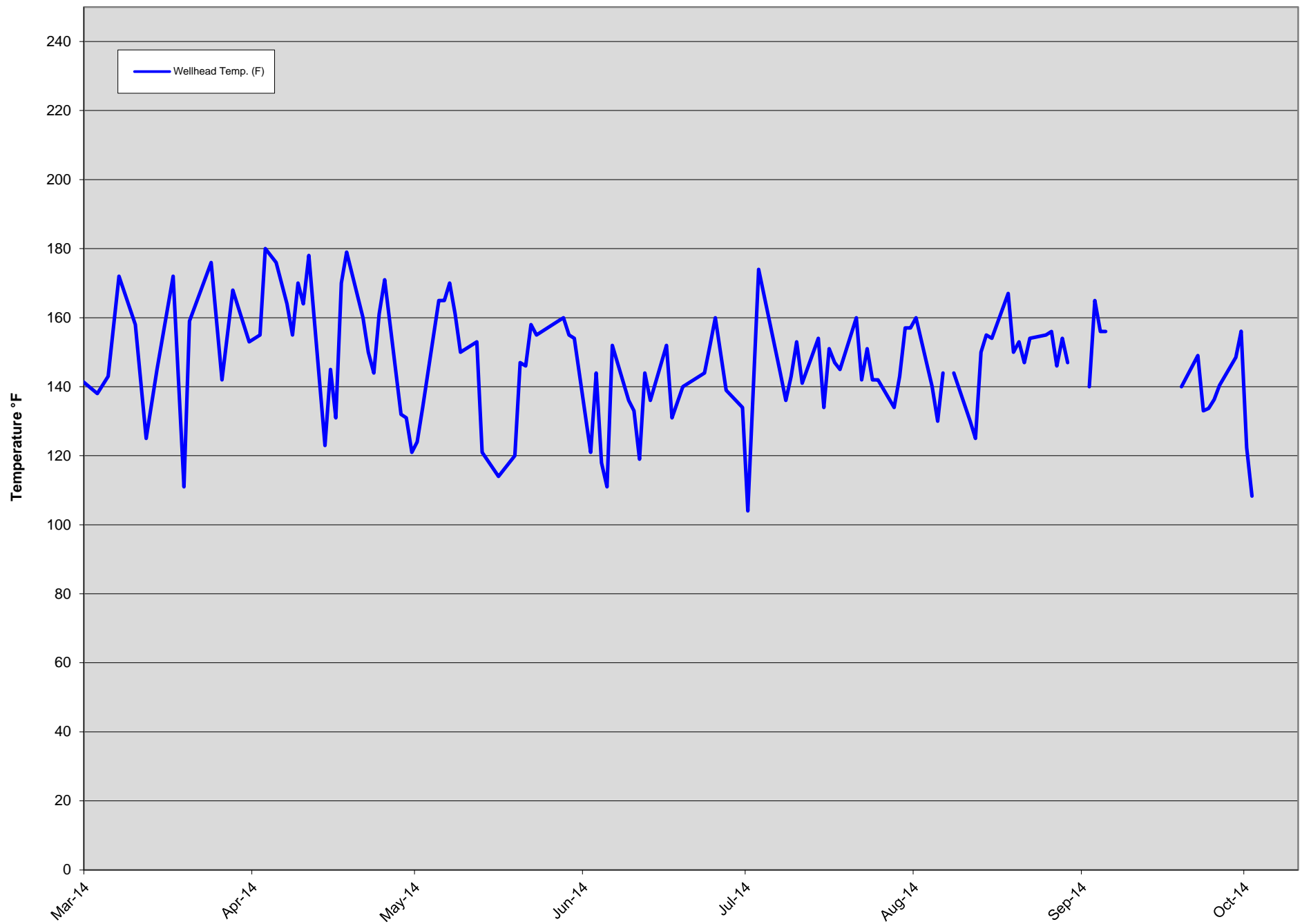
# GIW-4 Wellhead Temperatures



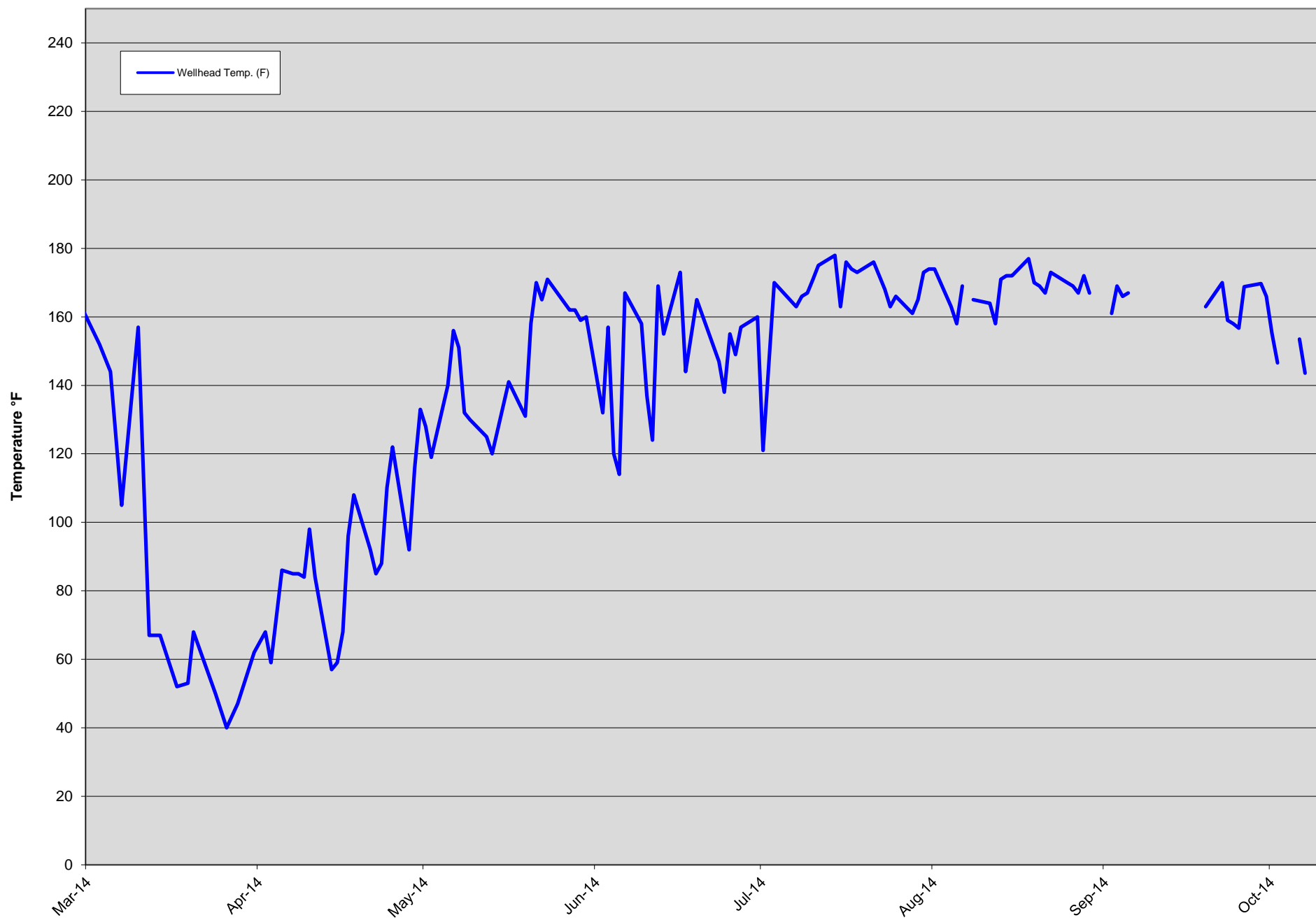
GIW-5 Wellhead Temperatures



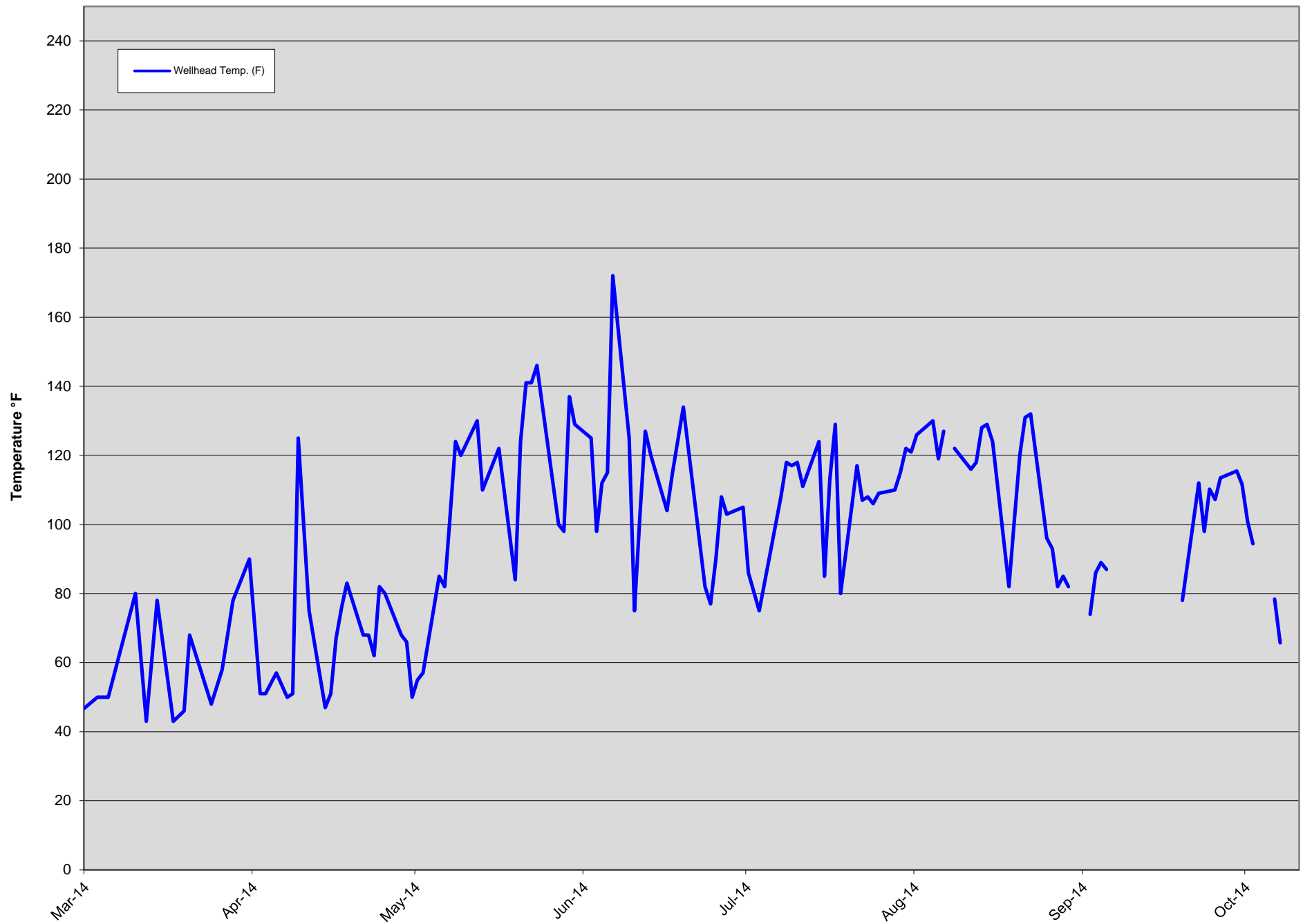
## GIW-6 Wellhead Temperatures



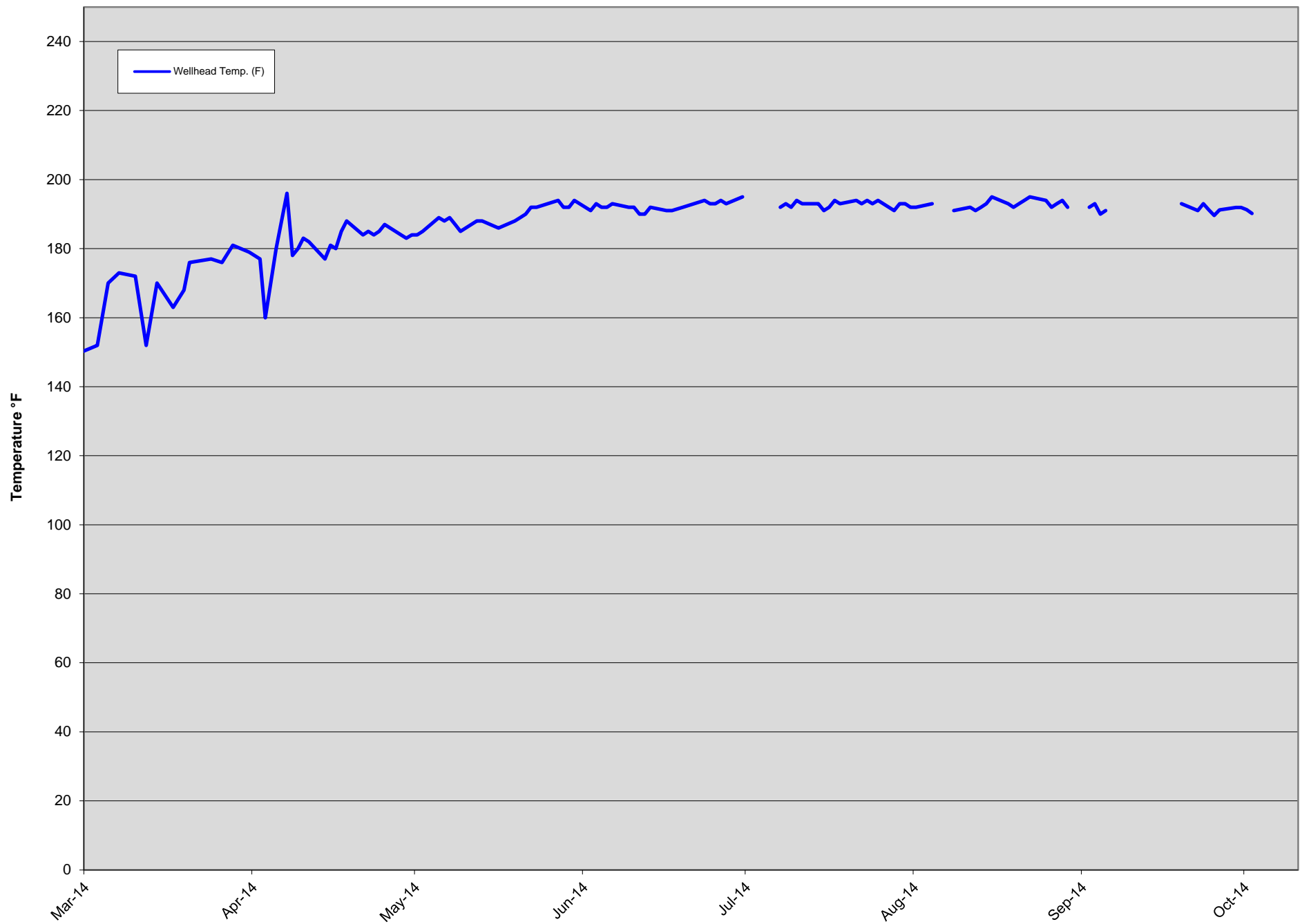
GIW-7 Wellhead Temperatures



## GIW-8 Wellhead Temperatures

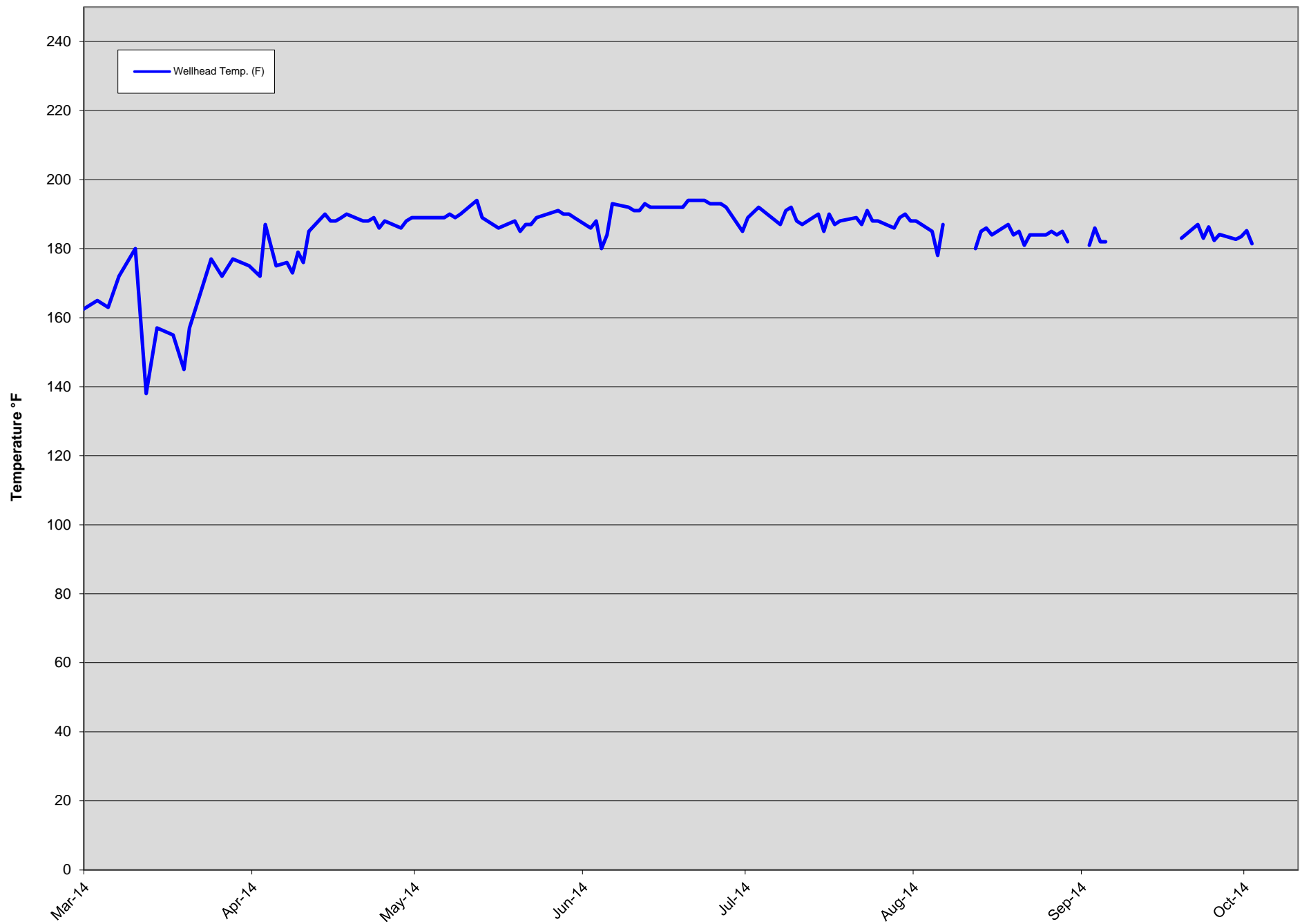


## GIW-9 Wellhead Temperatures

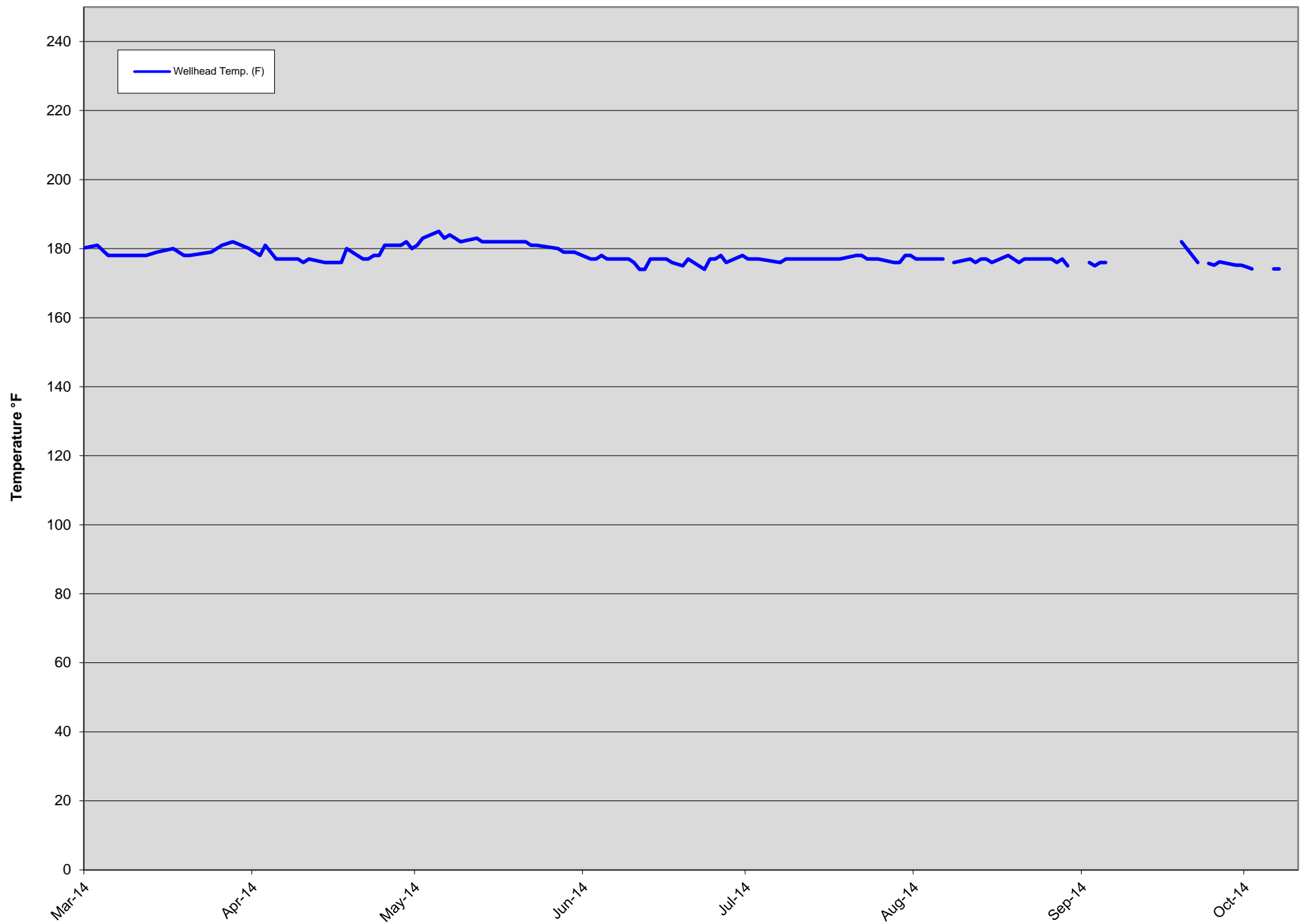




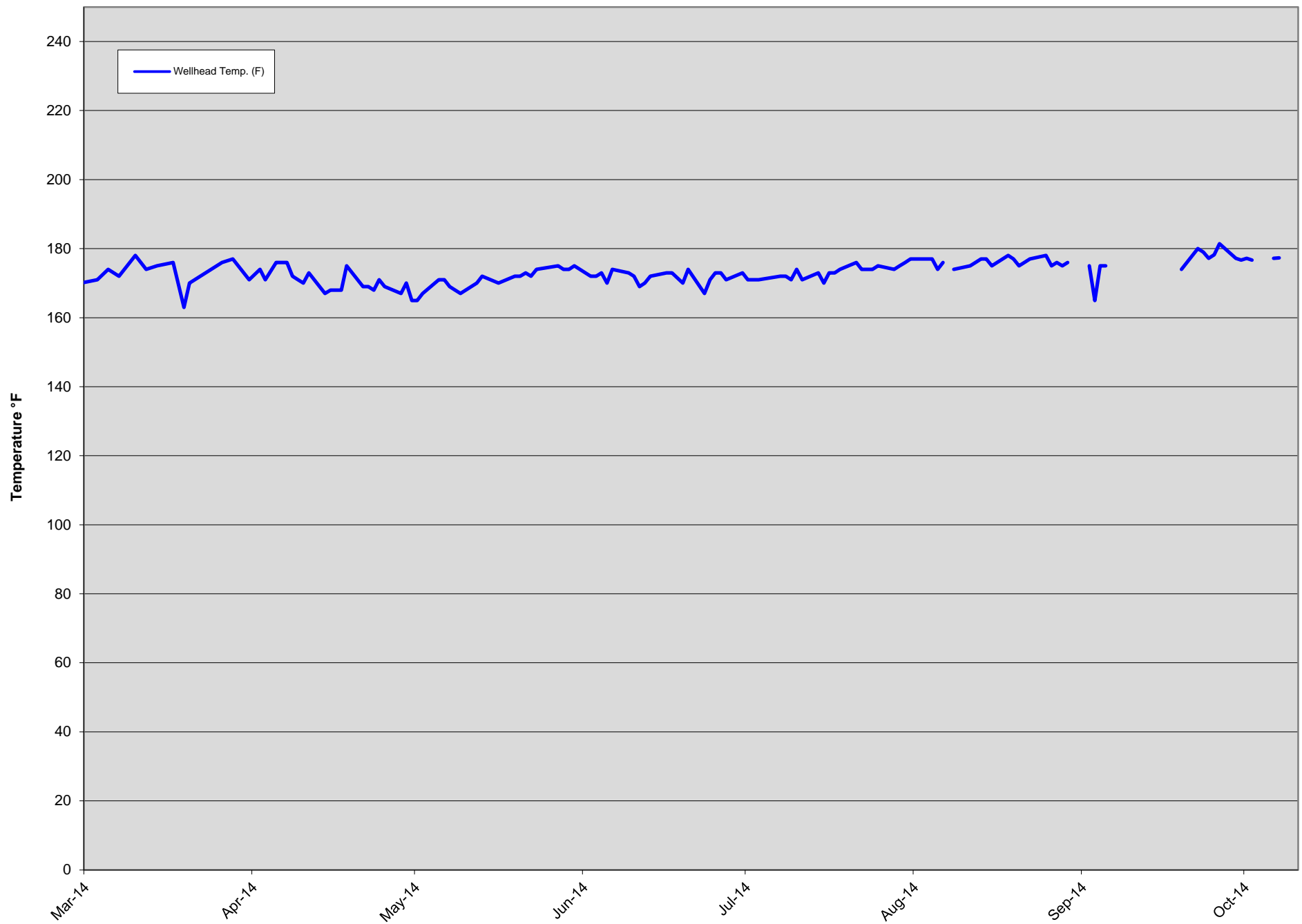
# GIW-10 Wellhead Temperatures



## GIW-11 Wellhead Temperatures



## GIW-12 Wellhead Temperatures



# GIW-13 Wellhead Temperatures

