

- Notes:**
- Bead numbers increase from downstream to upstream (horizontal) and top to bottom (vertical)
 - Varied degrees of temperature spikes have been noted at ND-VTS-130-DS since September 2014, typically during the summer or fall. This is expected to be a data collection issue rather than a change in the ground temperature.
 - Low temperature spikes in Bead 9 of ND-VTS-130-US began around the same period when the Station 0+085 readings began to spike. These are expected to be a data collection issue rather than a change in the ground temperature regime.
 - (A) Data logger was disconnected from January 1, 2018 to March 3, 2018 for recalibration
 - (B) Beads 3 to 8 of ND-VTS-130-DS were disconnected from September 24, 2018 to March 3, 2018 due to damage of the cable lead at the datalogger housing. The lead was repaired prior to the reconnection of the datalogger.



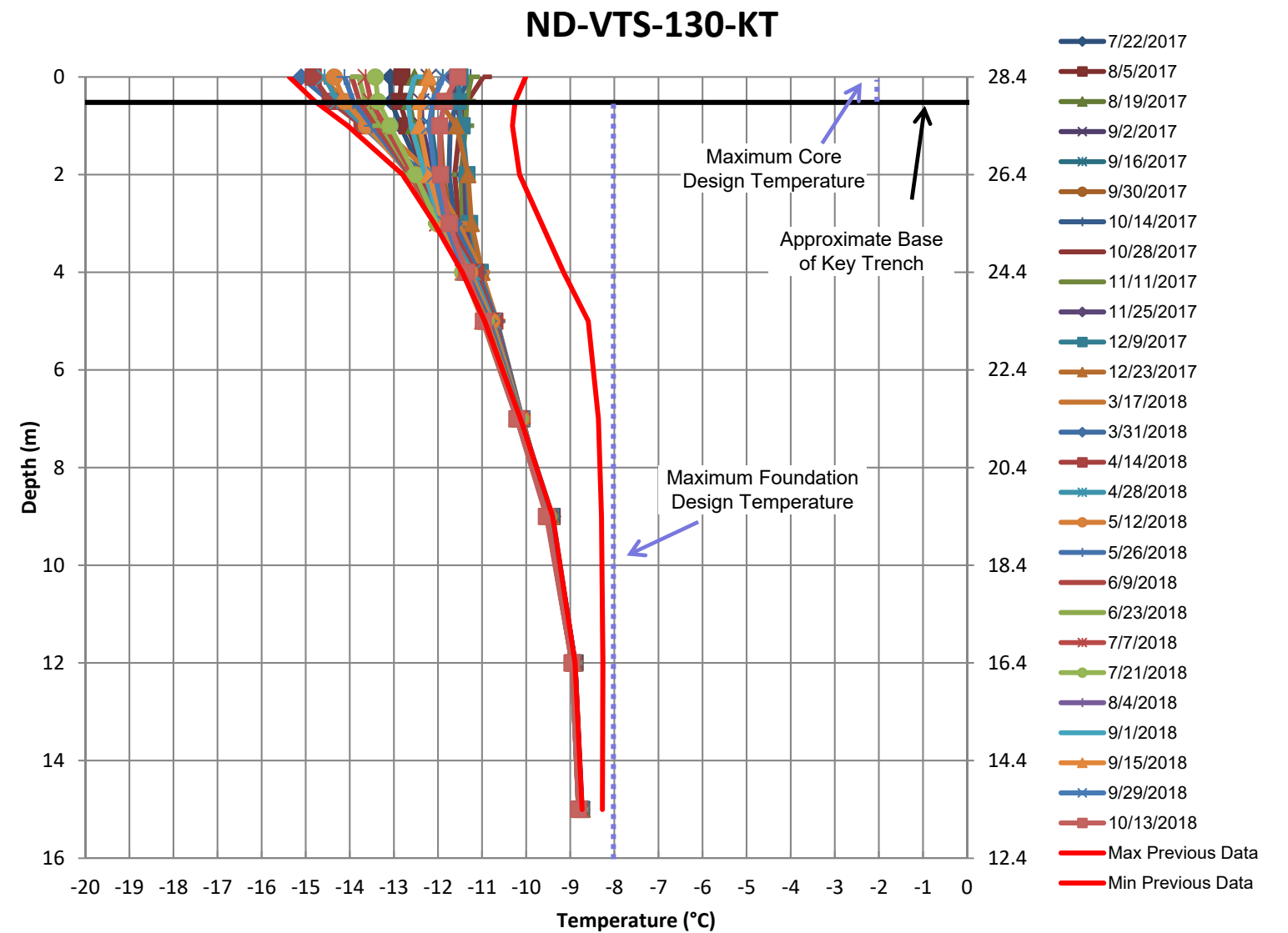
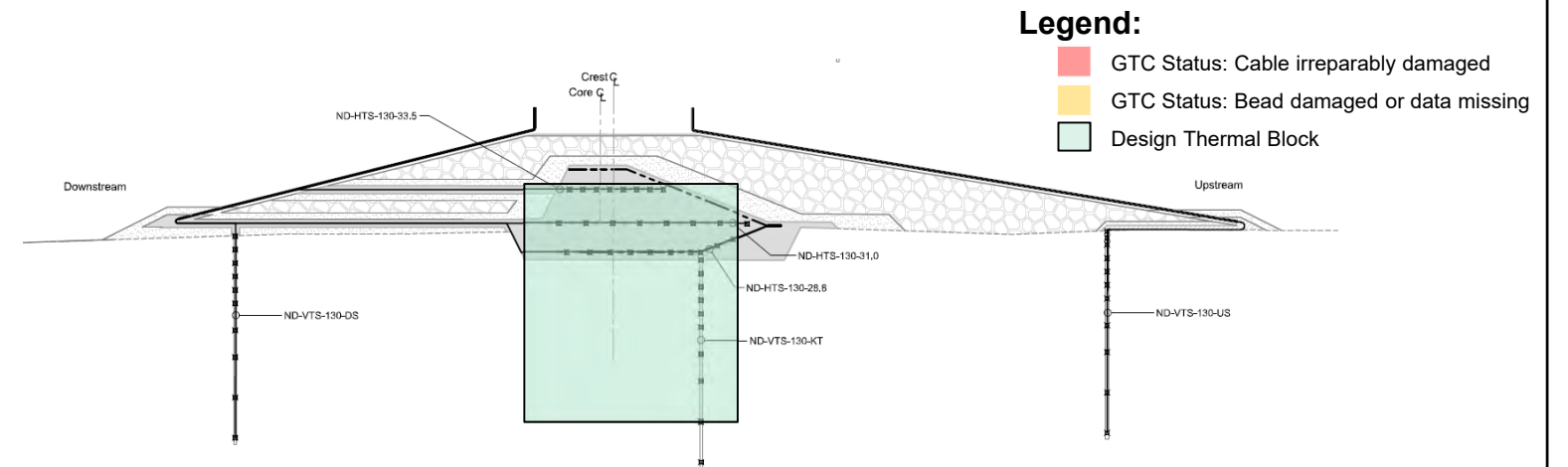
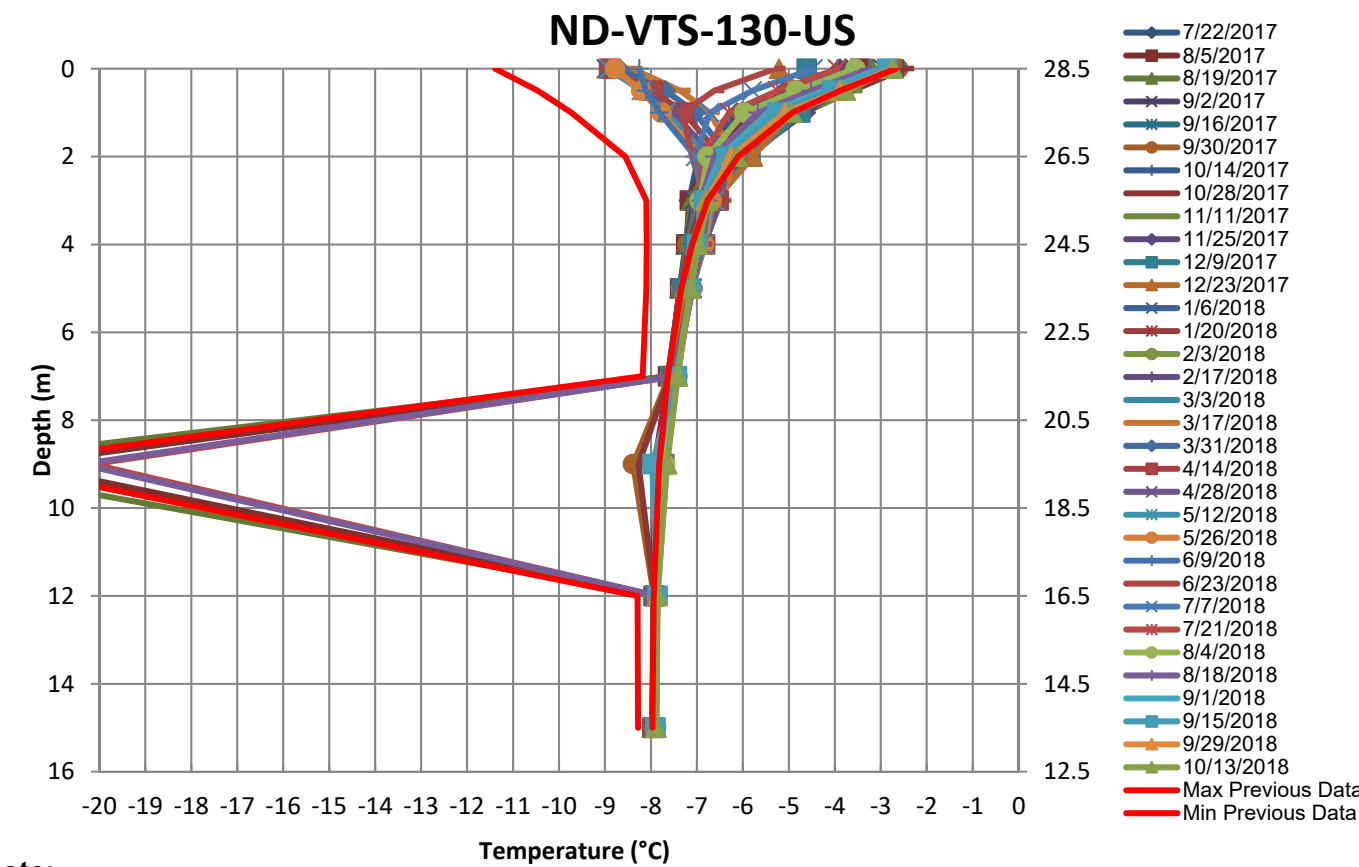
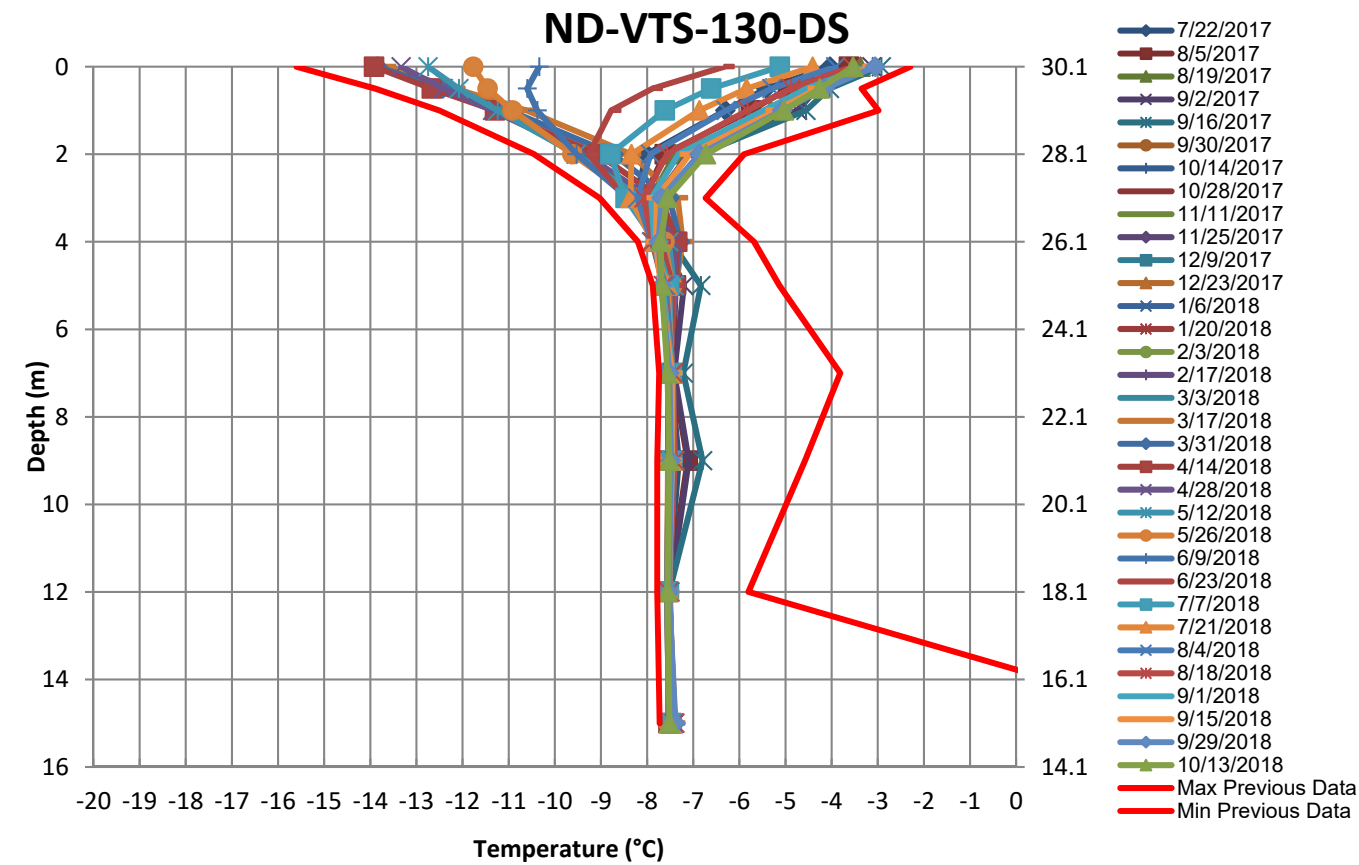
2018 Annual Geotechnical Inspection

Station 1+30
Vertical Ground Temperature Cable
Temperature Vs. Time

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Filename: AppB_1CT022.028_ND_GTC

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Date: Jan. 2019
Approved: PL
Figure: **B.13**



Note:

- Previous Data was recorded between August 2012 and July 2017
- Data logger was disconnected from January 1, 2018 to March 3, 2018 for recalibration
- The cable lead of ND-VTS-130-DS was damaged and repaired prior to the reconnection of the data logger following recalibration No readings were recorded for Bead 3 – 8 between September 24 and March 3, 2018



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2018 Annual Geotechnical Inspection

Station 1+30
Vertical Ground Temperature Cable
Readings by Location

Date: Jan. 2019
Approved: PL
Figure: B.14