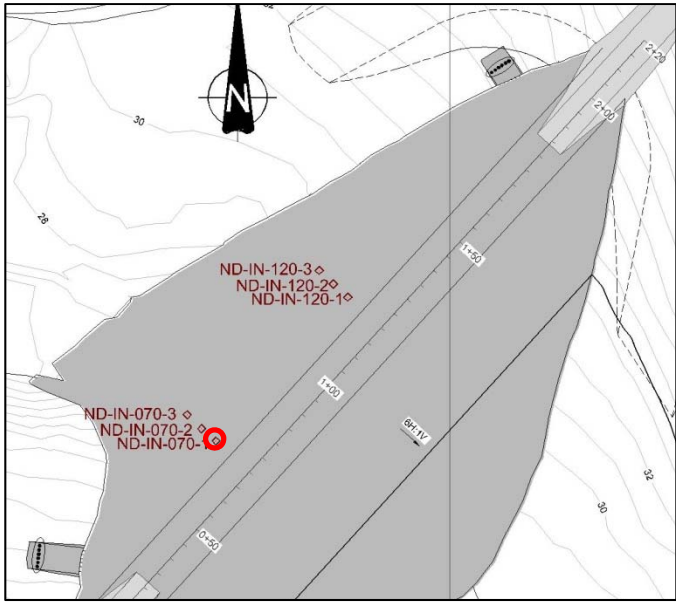
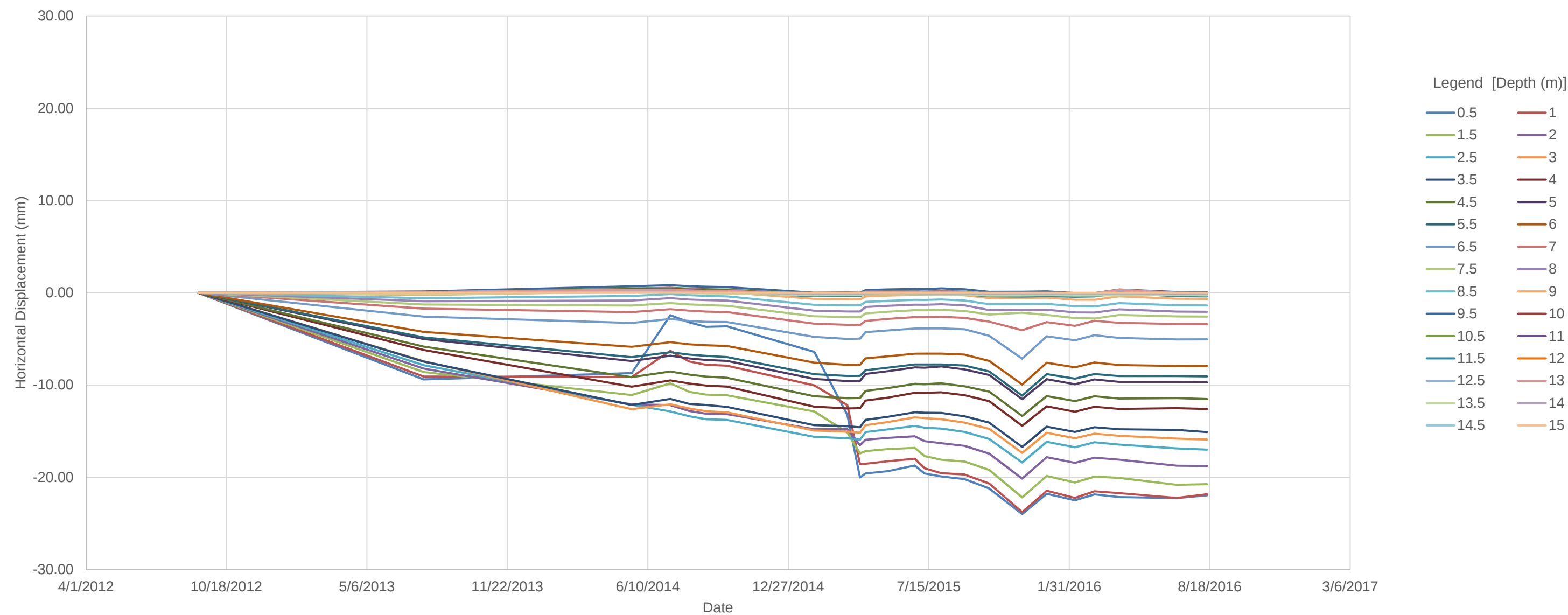


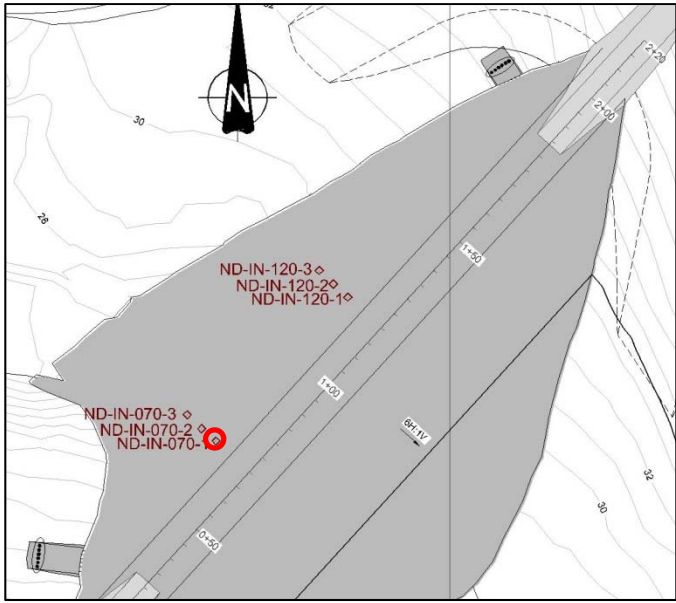
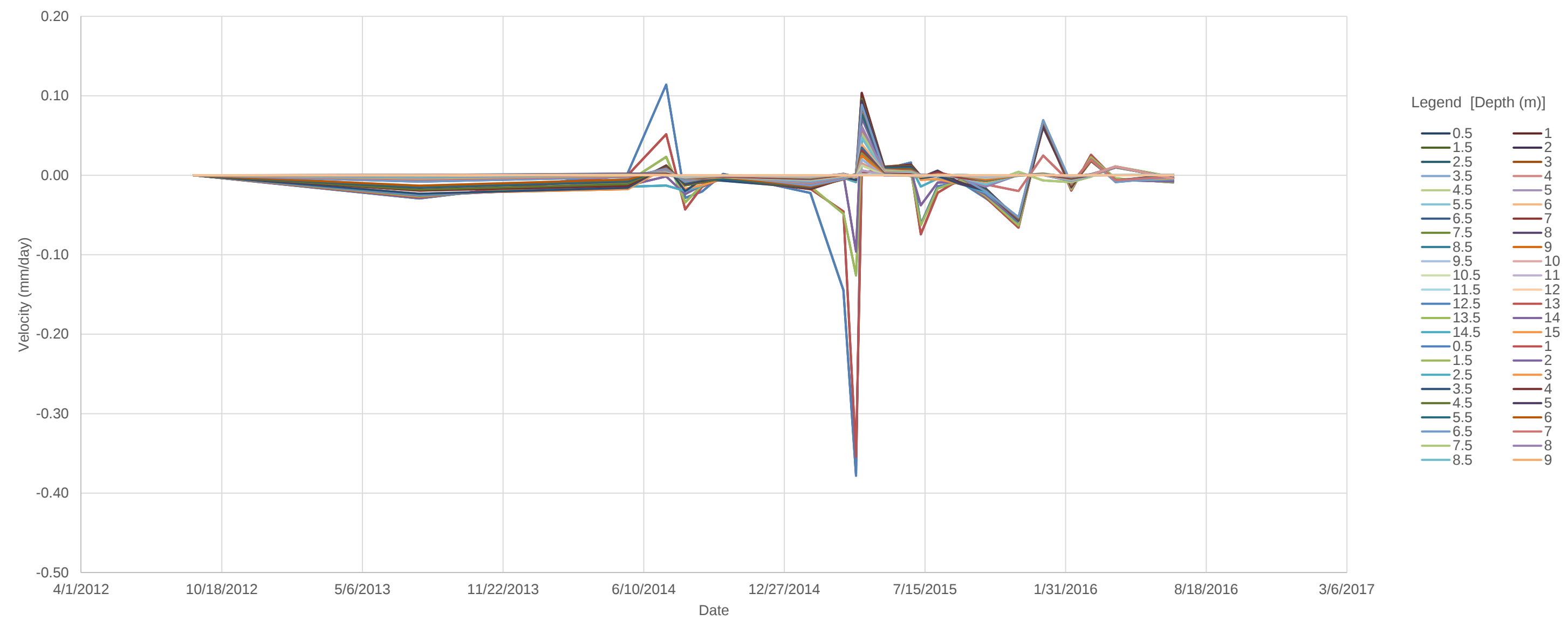
Inclinometer 070-1A Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

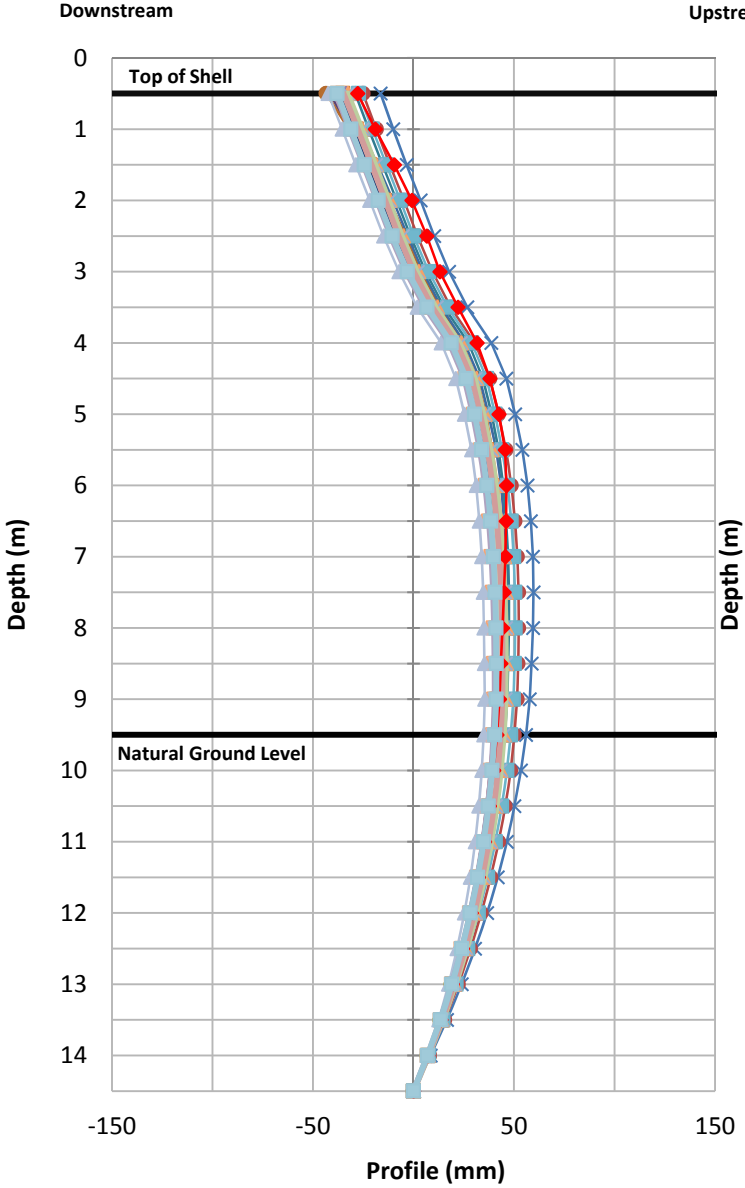
		2016 Annual Geotechnical Inspection		
		Inclinometer 070-1A Displacement Time Series		
		Date: Jan. 2017	Approved: PDL	Figure: B.3
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE			

Inclinometer 070-1A Timeseries

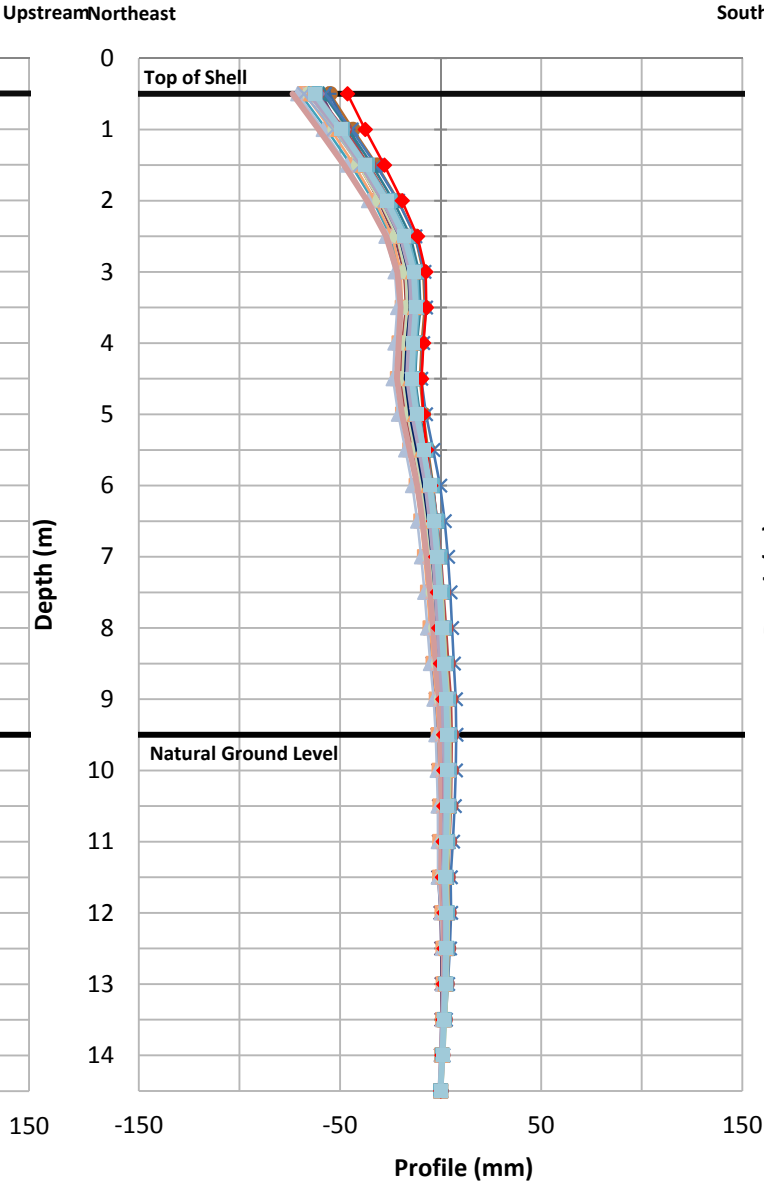


- Notes:**
- 1. Manufacture's accuracy is +/- 0.25 mm per location
 - 2. Survey data excluded from the charts is noted on Figure B.1

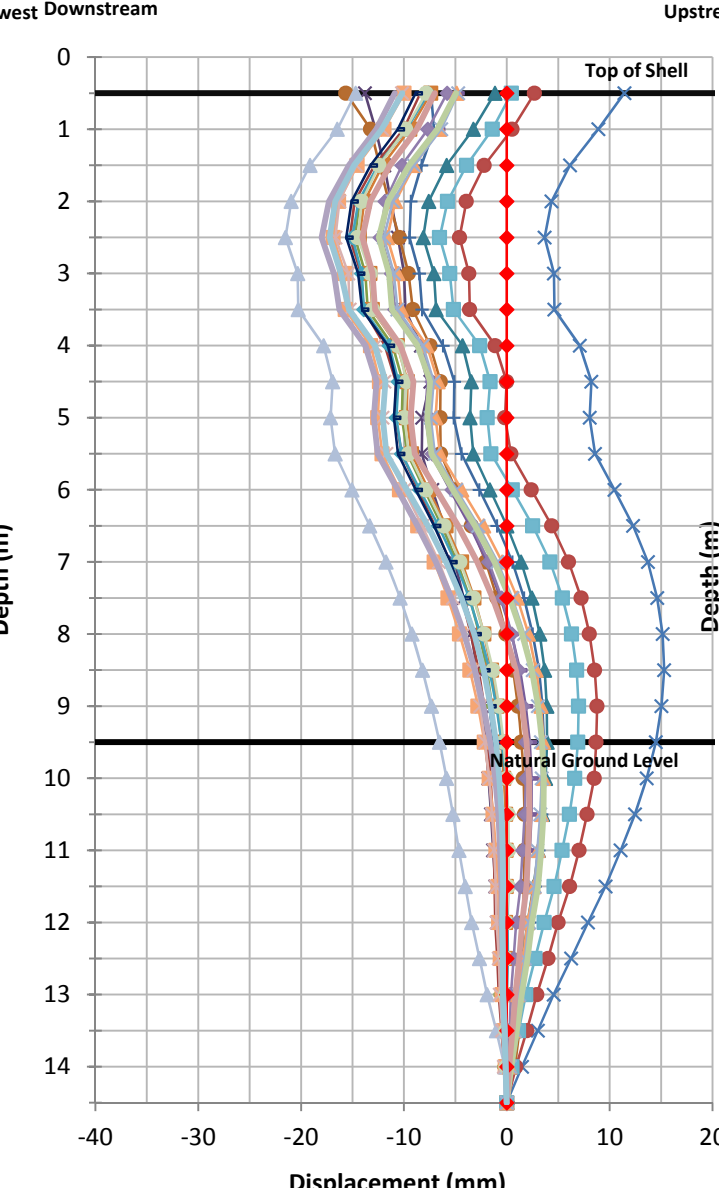
Profile Perpendicular to Centerline



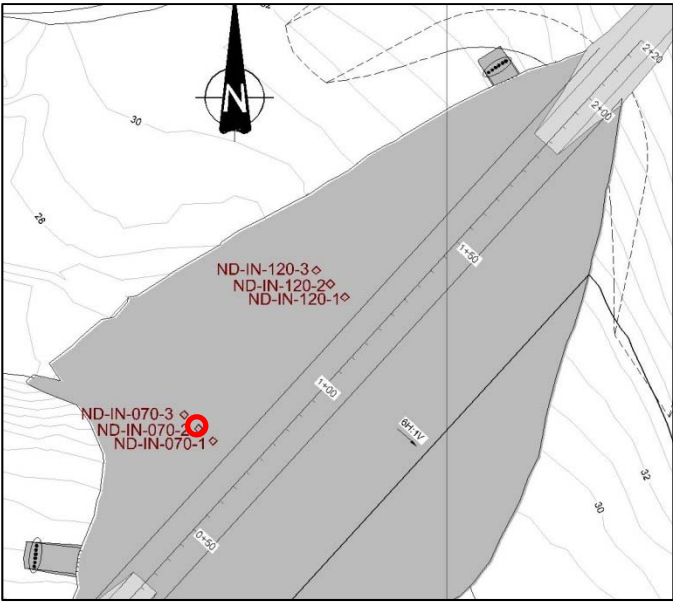
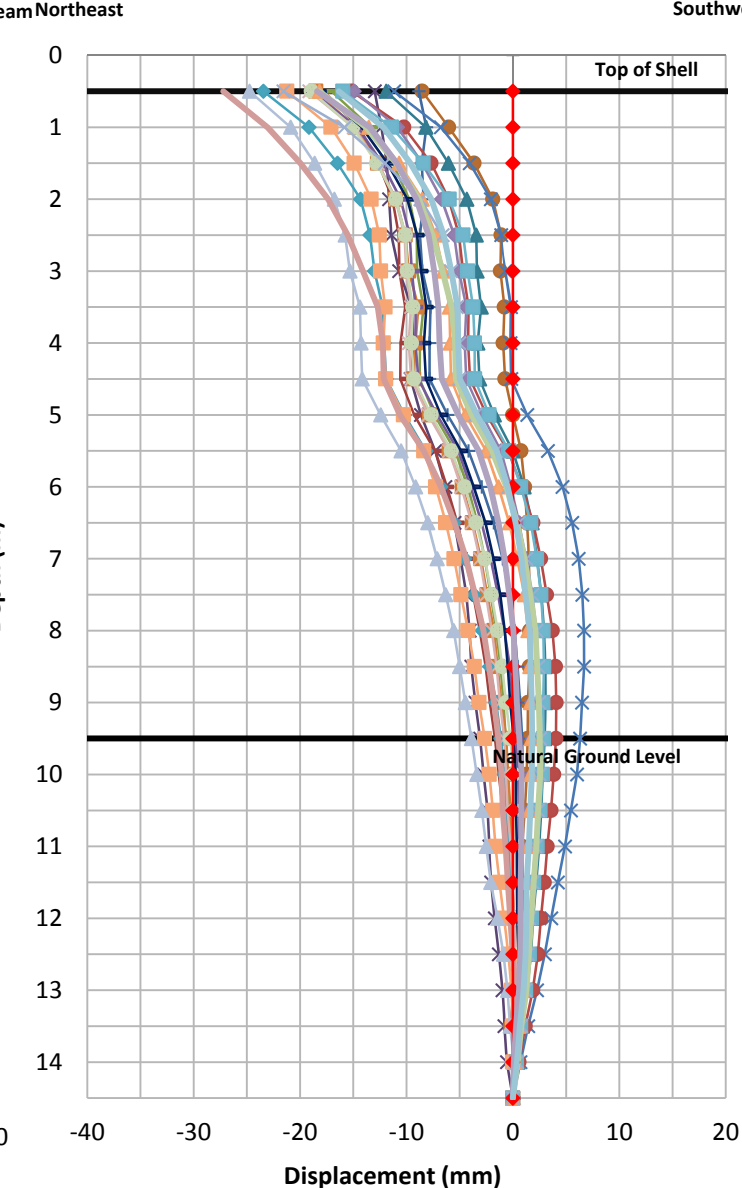
Profile Parallel to Centerline



Displacement Perpendicular to Centerline



Displacement Parallel to Centerline



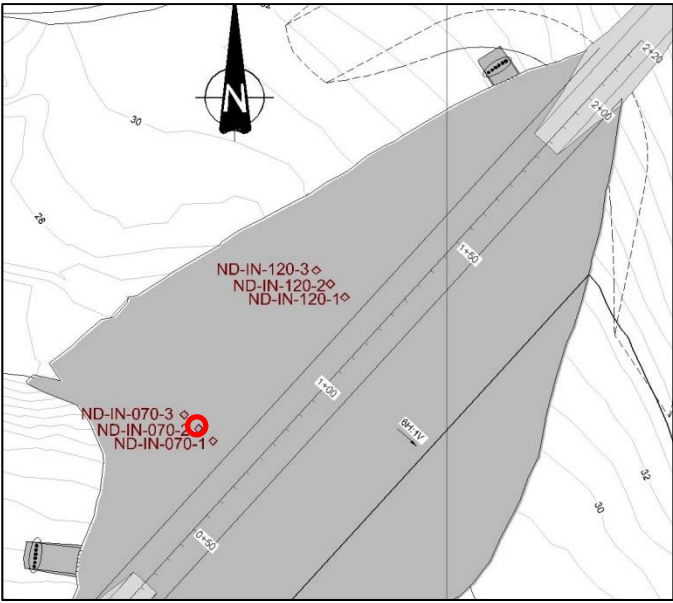
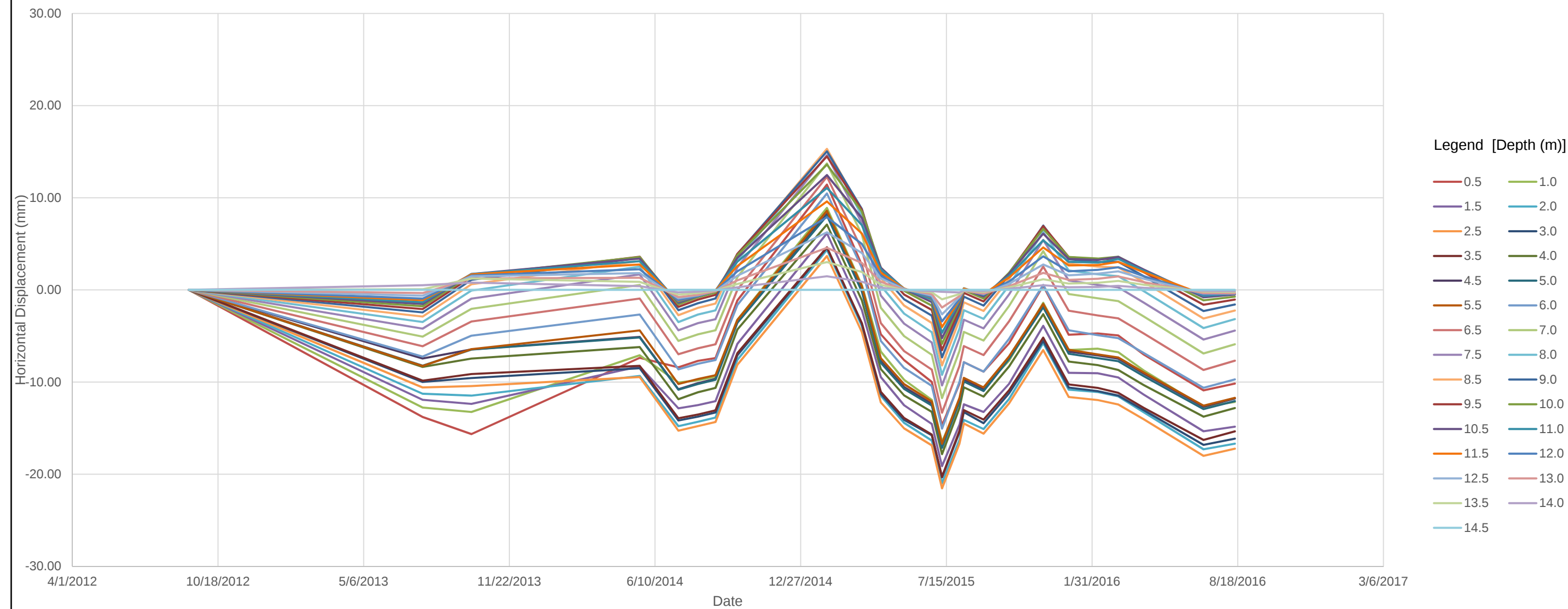
- Notes:
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

LEGEND:

7/26/2013	10/1/2013
5/18/2014	7/12/2014
8/8/2014	9/1/2014
10/1/2014	2/2/2015
3/21/2015	4/8/2015
4/16/2015	5/18/2015
6/25/2015	7/9/2015
8/2/2015	9/4/2015
10/9/2015	11/25/2015
12/30/2015	2/8/2016
4/11/2016	3/7/2016
7/2/2016	8/14/2016
Initial Reading (9/8/2012)	

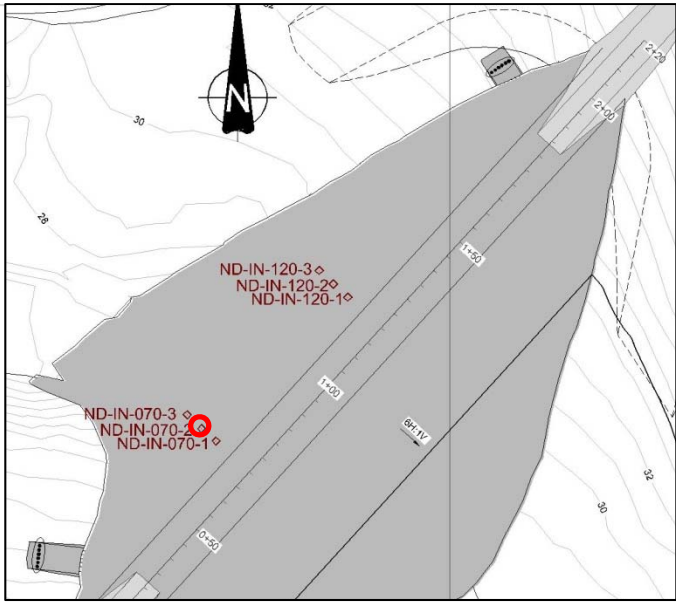
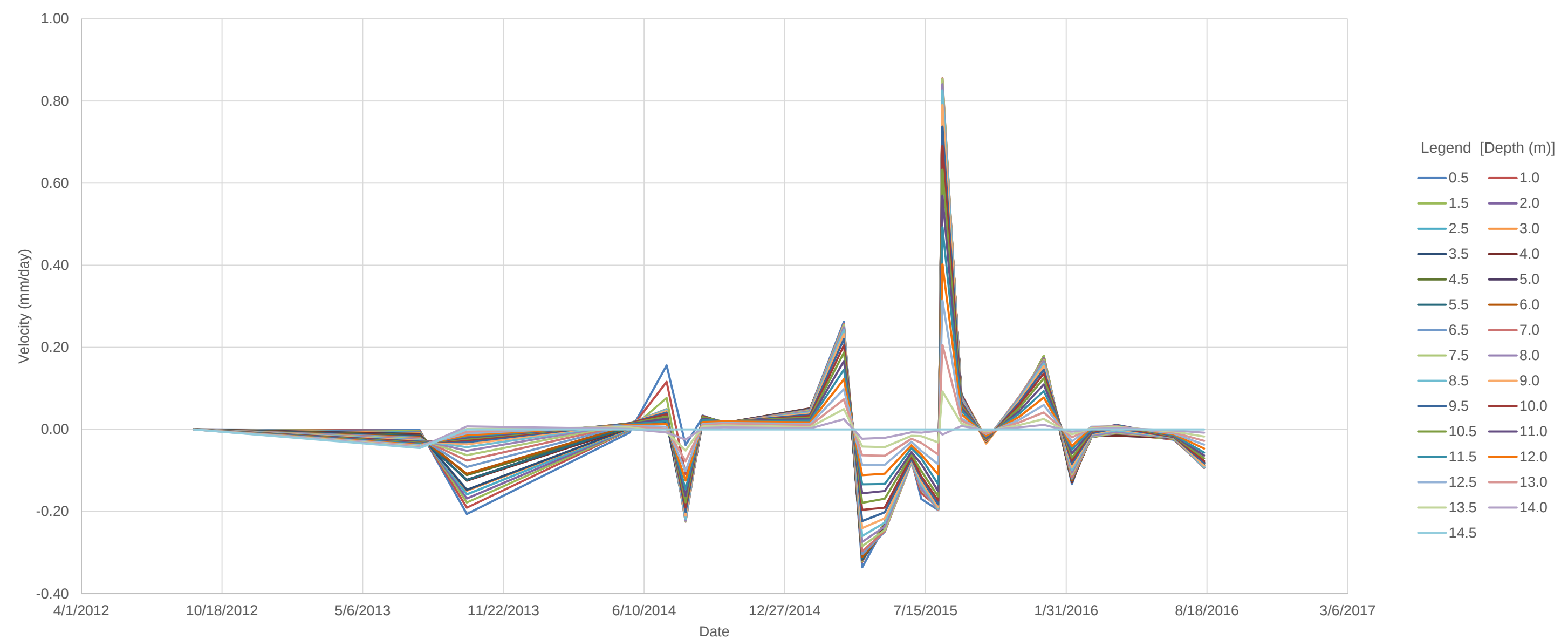
 Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	 DORIS MINE	2016 Annual Geotechnical Inspection		
		Inclinometer 070-2		
		Date: Jan. 2017	Approved: PDL	Figure: B.5

Inclinometer 070-2A Timeseries



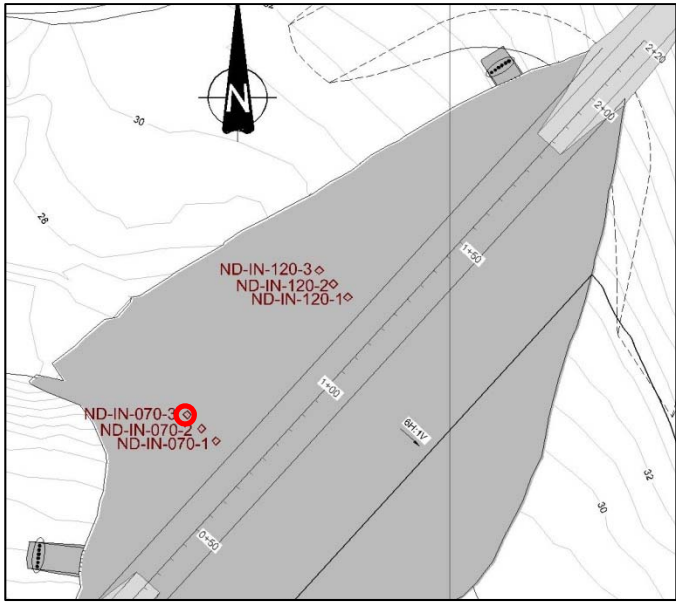
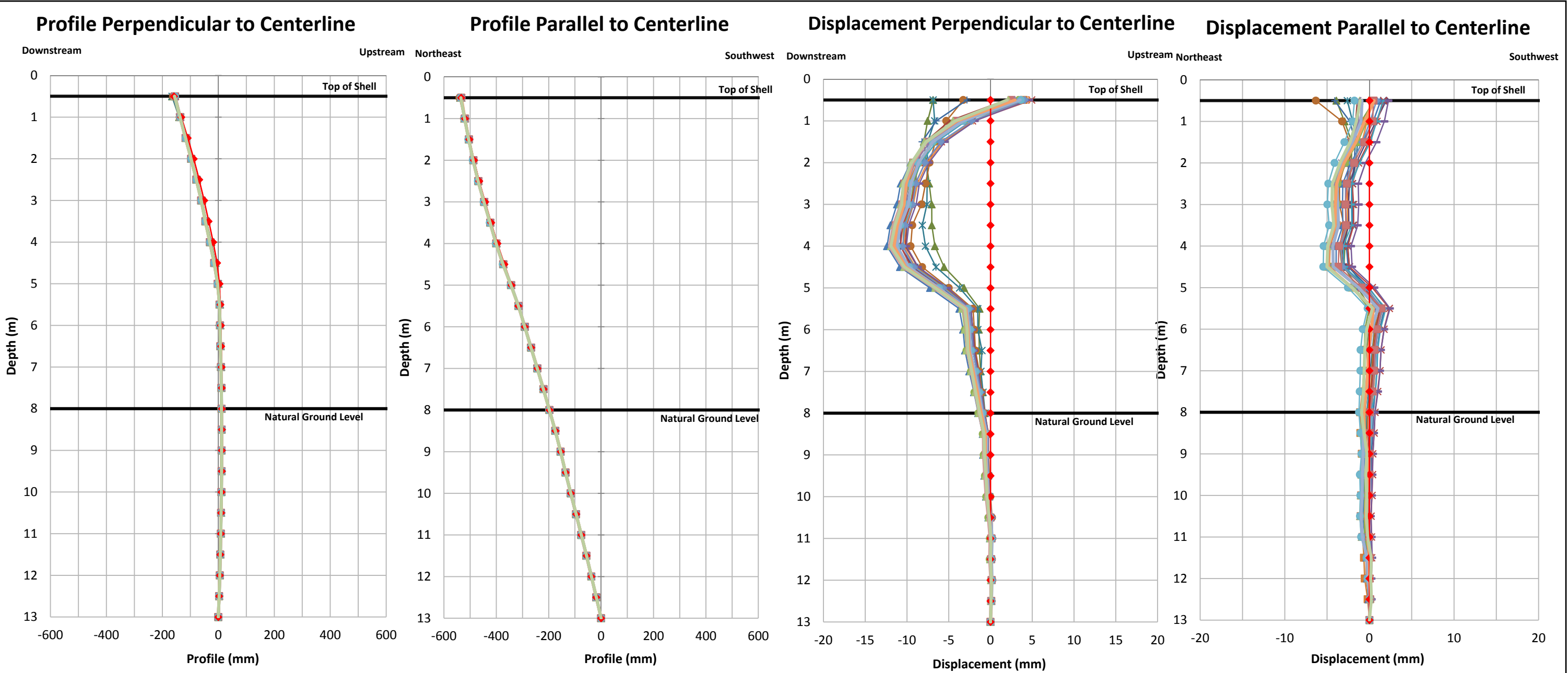
- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

Inclinometer 070-2A Velocity Timeseries



- Notes:**
- 1. Manufacture's accuracy is +/- 0.25 mm per location
 - 2. Survey data excluded from the charts is noted on Figure B.1

		2016 Annual Geotechnical Inspection		
		Inclinometer 070-2A Velocity Time Series		
		Date: Jan. 2017	Approved: PDL	Figure: B.7
Job No: 1CT022.009	DORIS MINE			
Filename: AppendixB_1CT022.009_Inclinometers.pptx				

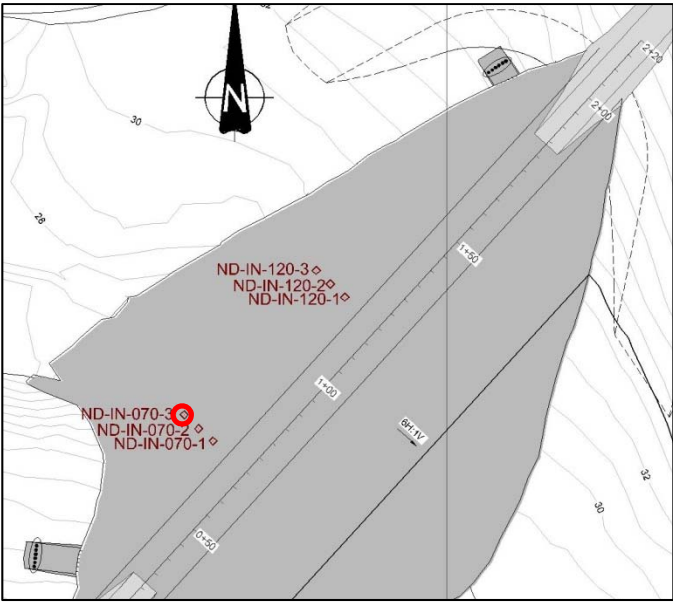
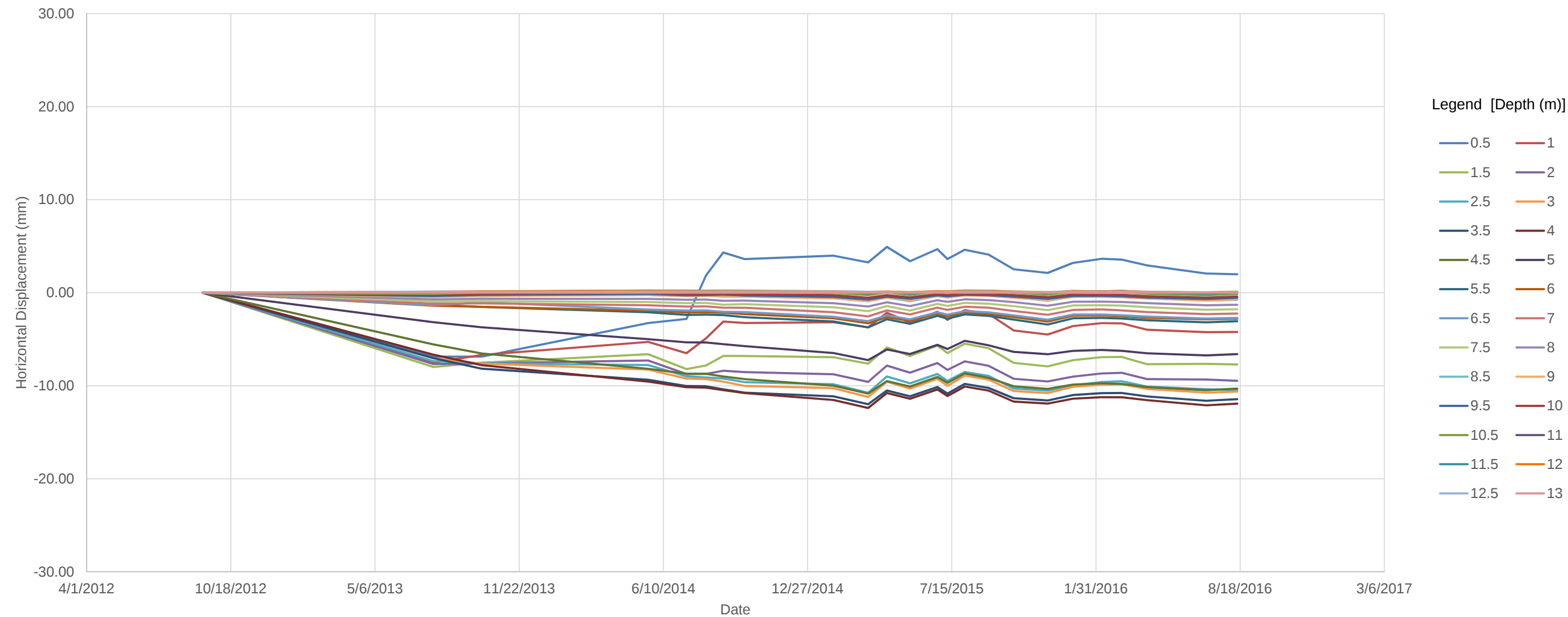


- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

LEGEND:	
7/26/2013	10/1/2013
5/18/2014	7/12/2014
8/8/2014	9/1/2014
10/1/2014	2/2/2015
3/21/2015	4/8/2015
4/16/2015	5/18/2015
6/25/2015	7/9/2015
8/2/2015	9/4/2015
10/9/2015	11/25/2015
12/30/2015	2/8/2016
4/11/2016	3/7/2016
7/2/2016	8/14/2016
Initial Reading (9/8/2012)	

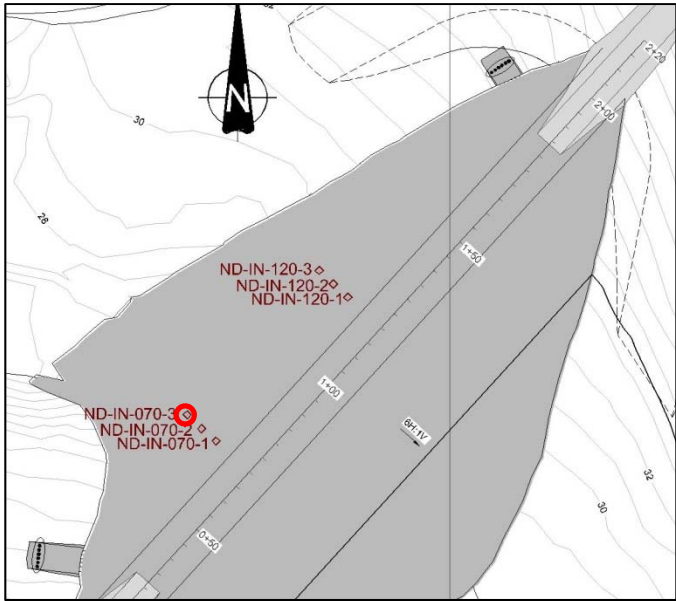
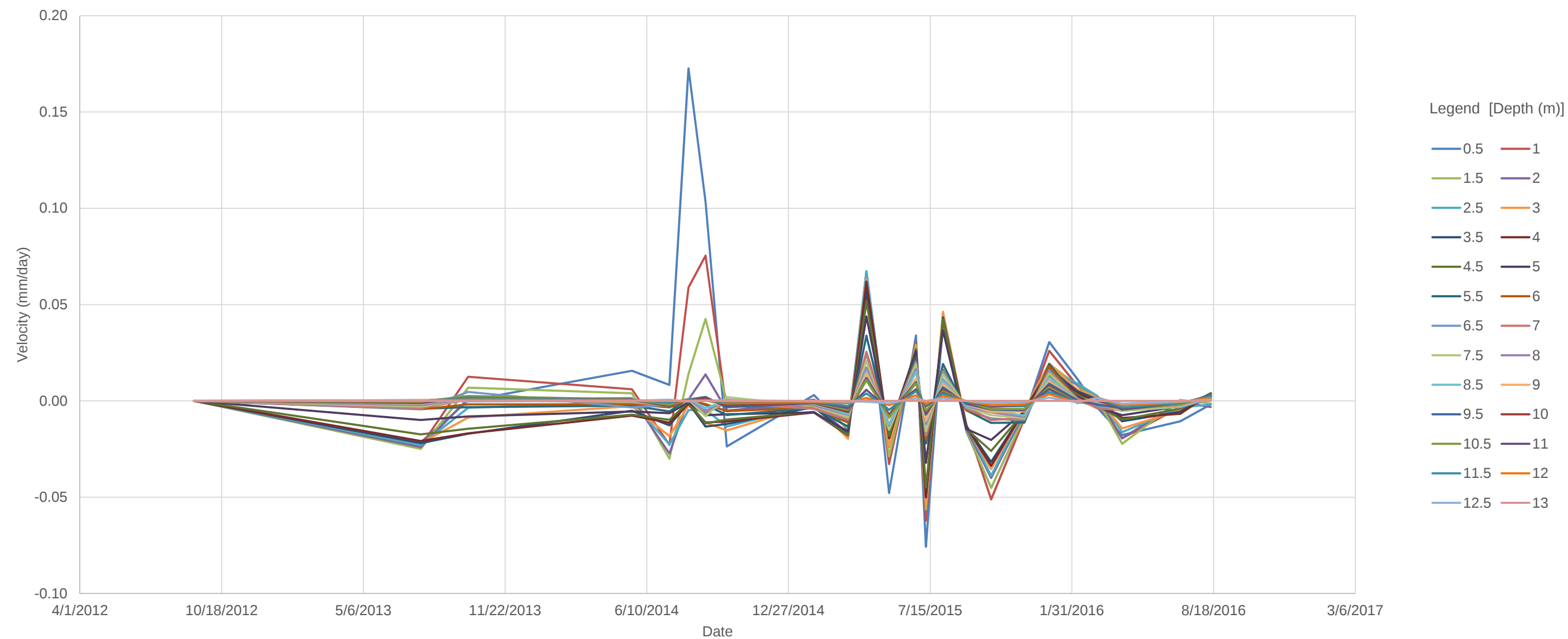
		2016 Annual Geotechnical Inspection		
		Inclinometer 070-3		
Job No: 1CT022.009	DORIS MINE	Date: Jan. 2017	Approved: PDL	Figure: B.8
Filename: AppendixB_1CT022.009_Inclinometers.pptx				

Inclinometer 070-3A Timeseries



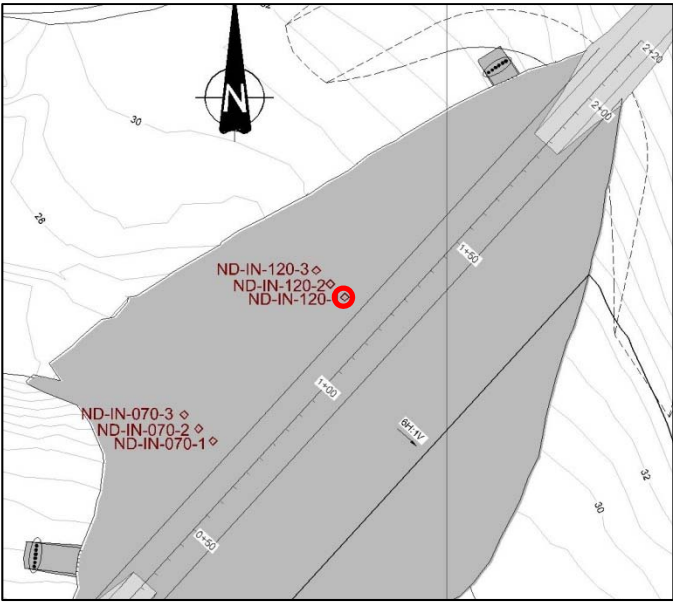
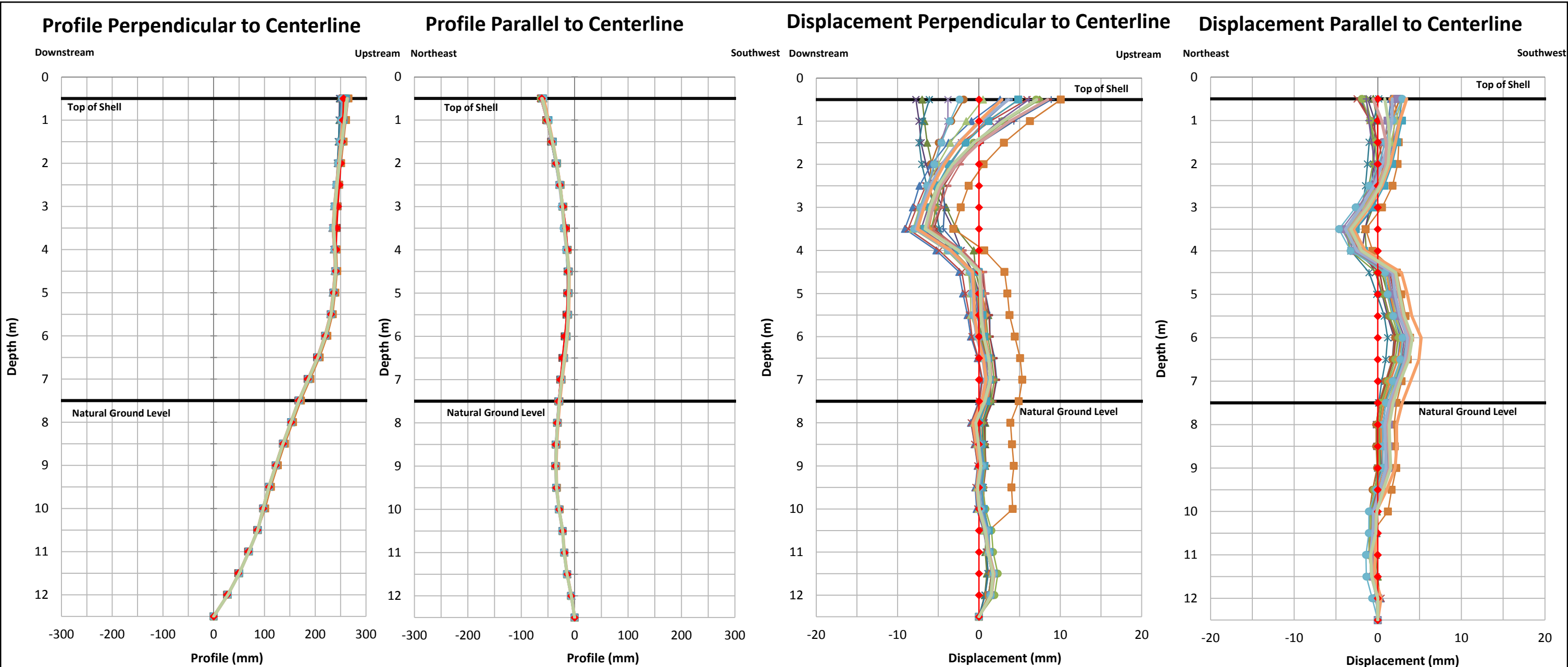
- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

Inclinometer 070-3A Velocity Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

		2016 Annual Geotechnical Inspection		
		Inclinometer 070-3A Velocity Time Series		
		Date: Jan. 2017	Approved: PDL	Figure: B.10
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE			

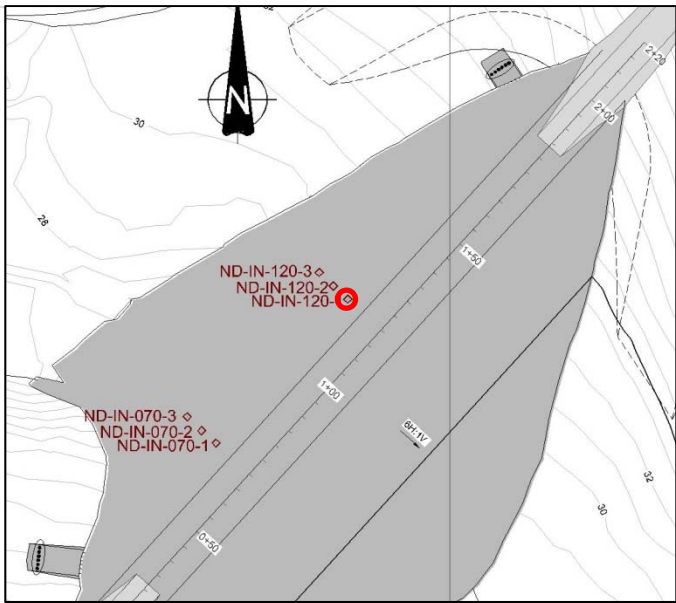
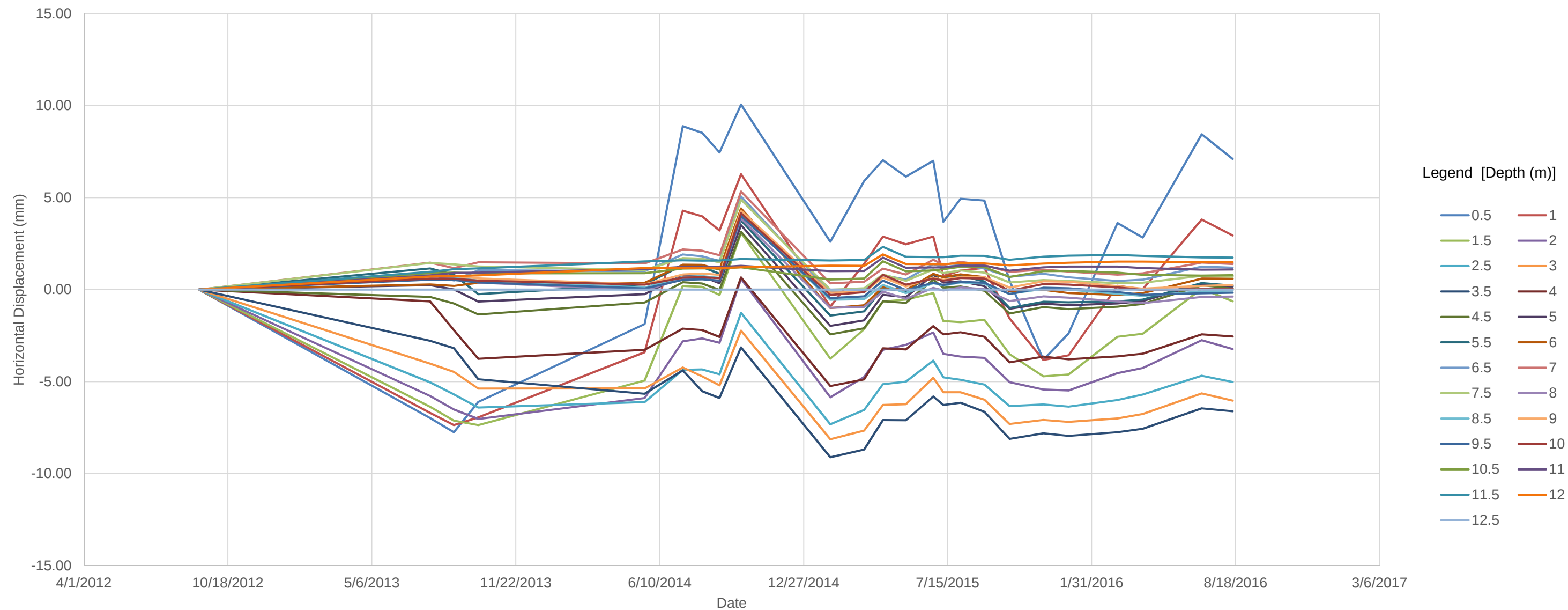


- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

LEGEND:	
7/26/2013	10/1/2013
5/18/2014	7/12/2014
8/8/2014	9/1/2014
10/1/2014	2/2/2015
3/21/2015	4/8/2015
4/16/2015	5/18/2015
6/25/2015	7/9/2015
8/2/2015	9/4/2015
10/9/2015	11/25/2015
12/30/2015	2/8/2016
4/11/2016	3/7/2016
7/2/2016	8/14/2016
Initial Reading (9/8/2012)	

		2016 Annual Geotechnical Inspection		
		Inclinometer 120-1		
Job No: 1CT022.009	DORIS MINE	Date: Jan. 2017	Approved: PDL	Figure: B.11
Filename: AppendixB_1CT022.009_Inclinometers.pptx				

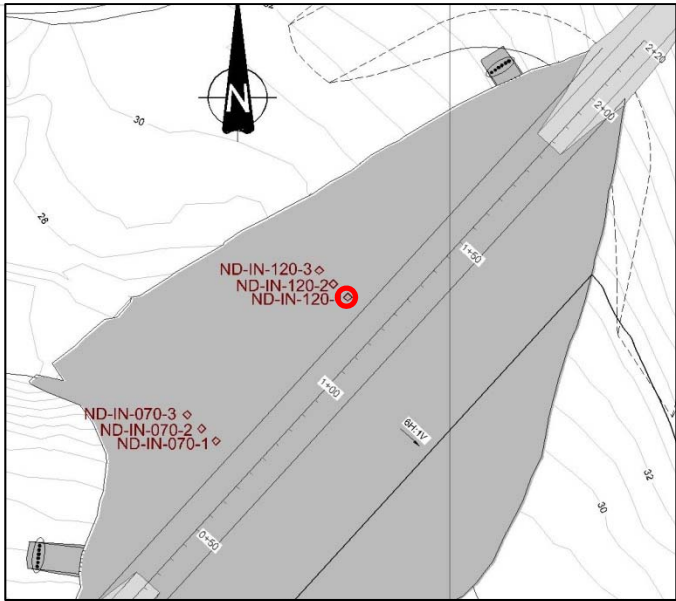
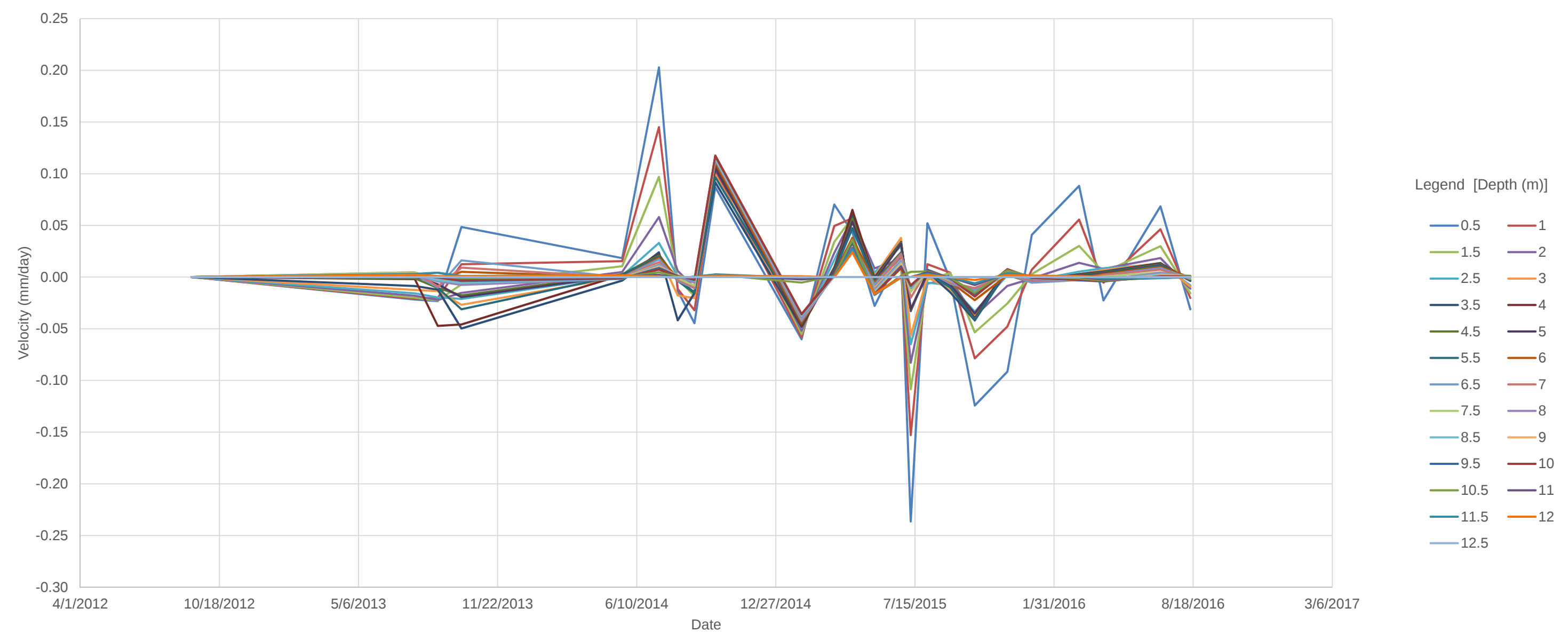
Inclinometer 120-1A Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

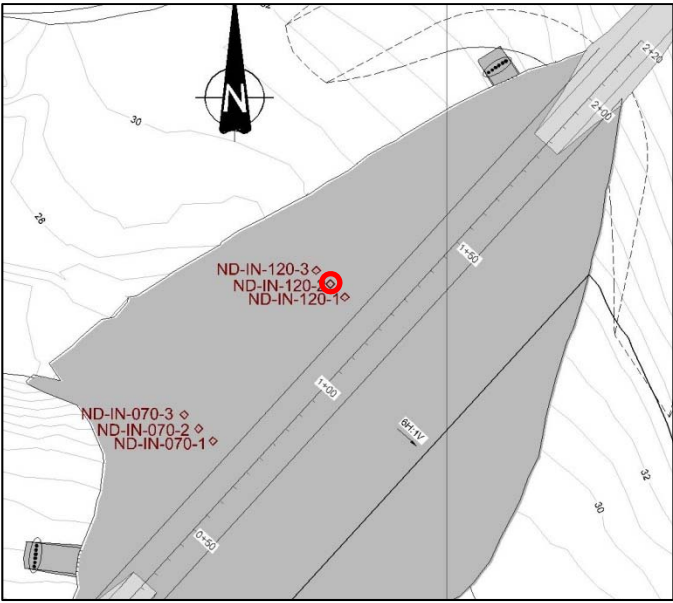
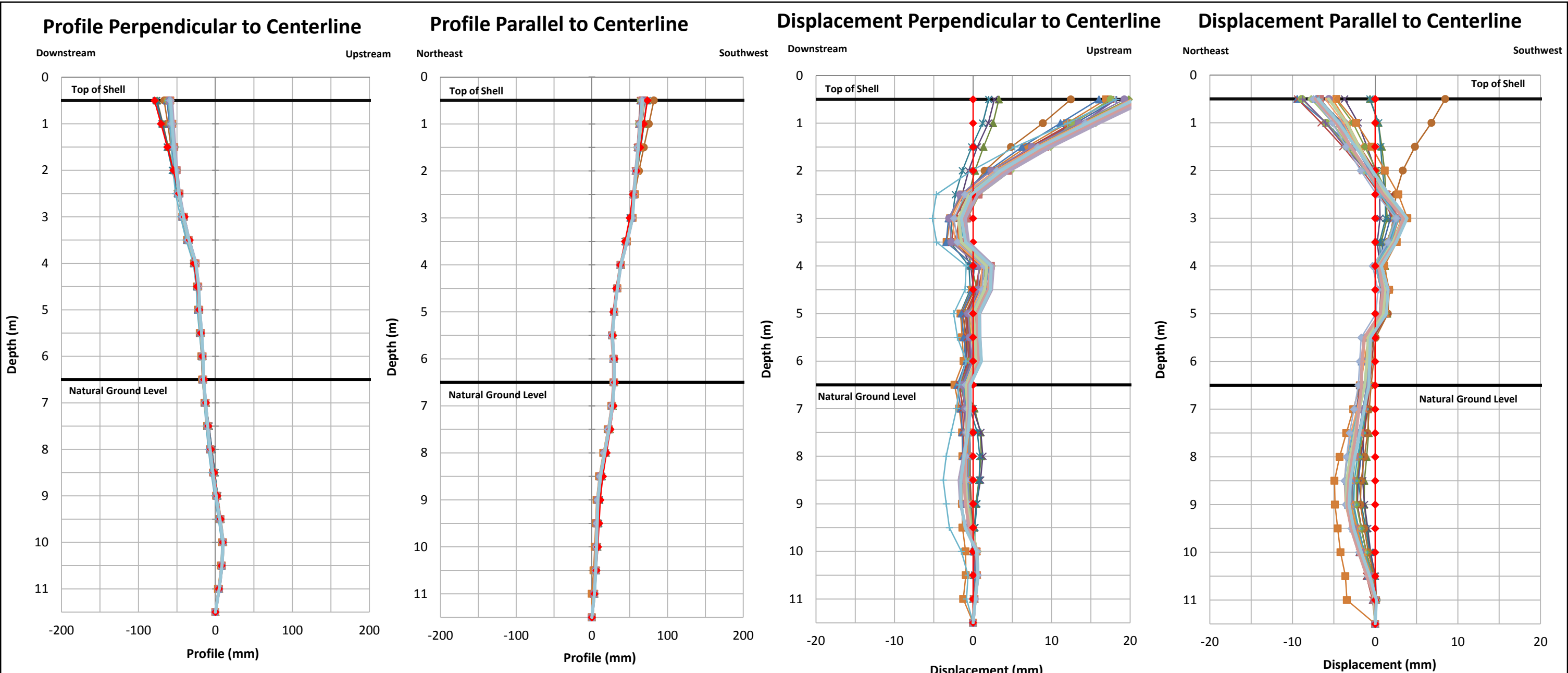
 Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	 DORIS MINE	2016 Annual Geotechnical Inspection		
		Inclinometer 120-1A Displacement Time Series		
		Date: Jan. 2017	Approved: PDL	Figure: B.12

Inclinometer 120-1A Velocity Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

		2016 Annual Geotechnical Inspection		
		Inclinometer 120-1A Velocity Time Series		
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE	Date: Jan. 2017	Approved: PDL	Figure: B.13

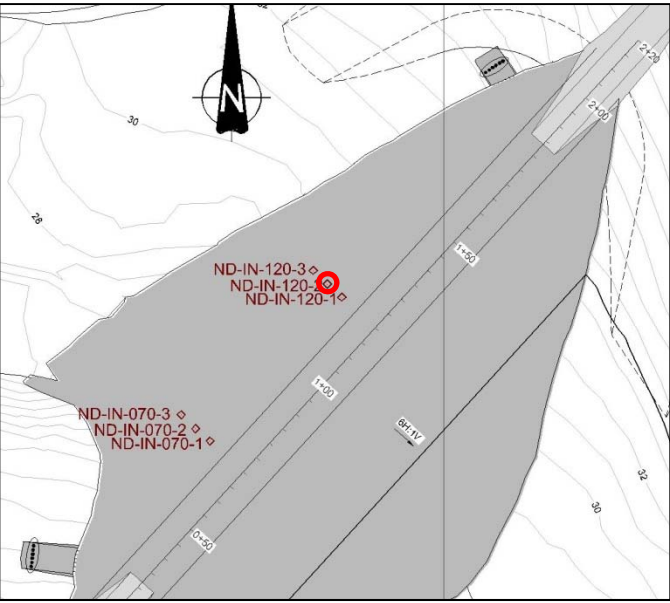
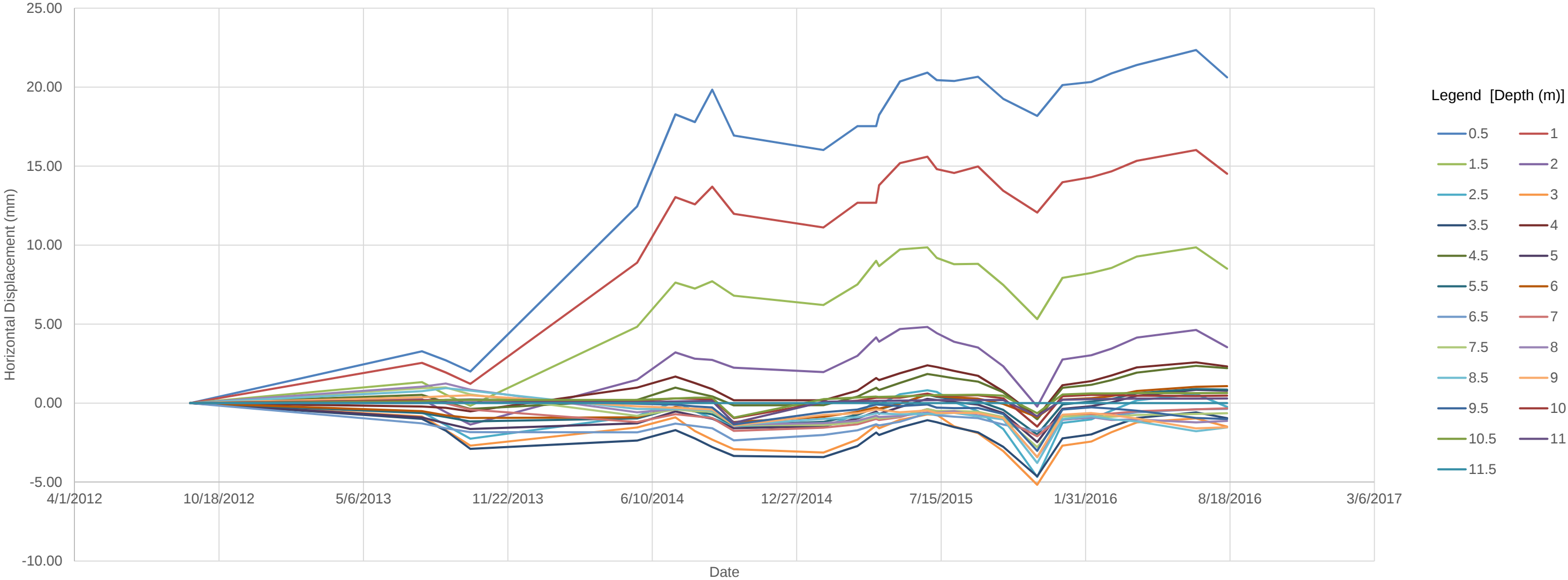


- Notes:**
- 1. Manufacture's accuracy is +/- 0.25 mm per location
 - 2. Survey data excluded from the charts is noted on Figure B.1

LEGEND:	
7/26/2013	10/1/2013
5/18/2014	7/12/2014
8/8/2014	9/1/2014
10/1/2014	2/2/2015
3/21/2015	4/8/2015
4/16/2015	5/18/2015
6/25/2015	7/9/2015
8/2/2015	9/4/2015
10/9/2015	11/25/2015
12/30/2015	2/8/2016
4/11/2016	3/7/2016
7/2/2016	8/14/2016
Initial Reading (9/8/2012)	

		2016 Annual Geotechnical Inspection		
		Inclinometer 120-2		
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE	Date: Jan. 2017	Approved: PDL	Figure: B.14

Inclinometer 120-2A Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

srk consulting

Job No: 1CT022.009
Filename: AppendixB_1CT022.009_Inclinometers.pptx

TMAC
RESOURCES

DORIS MINE

2016 Annual Geotechnical Inspection

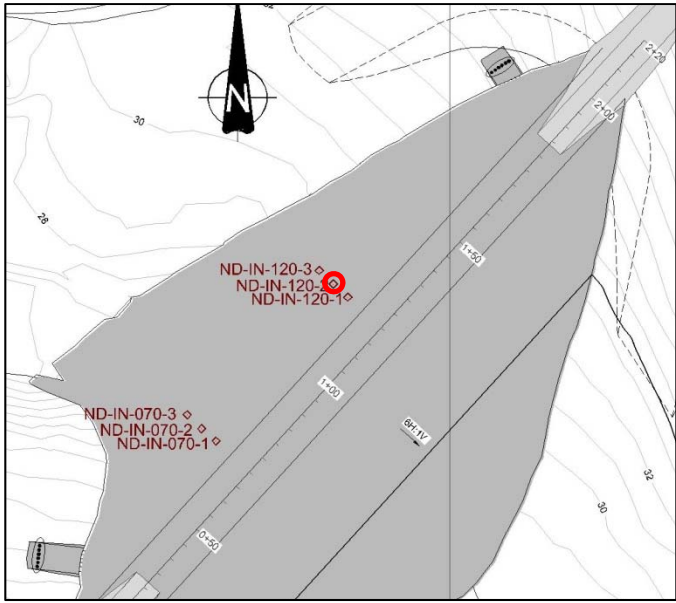
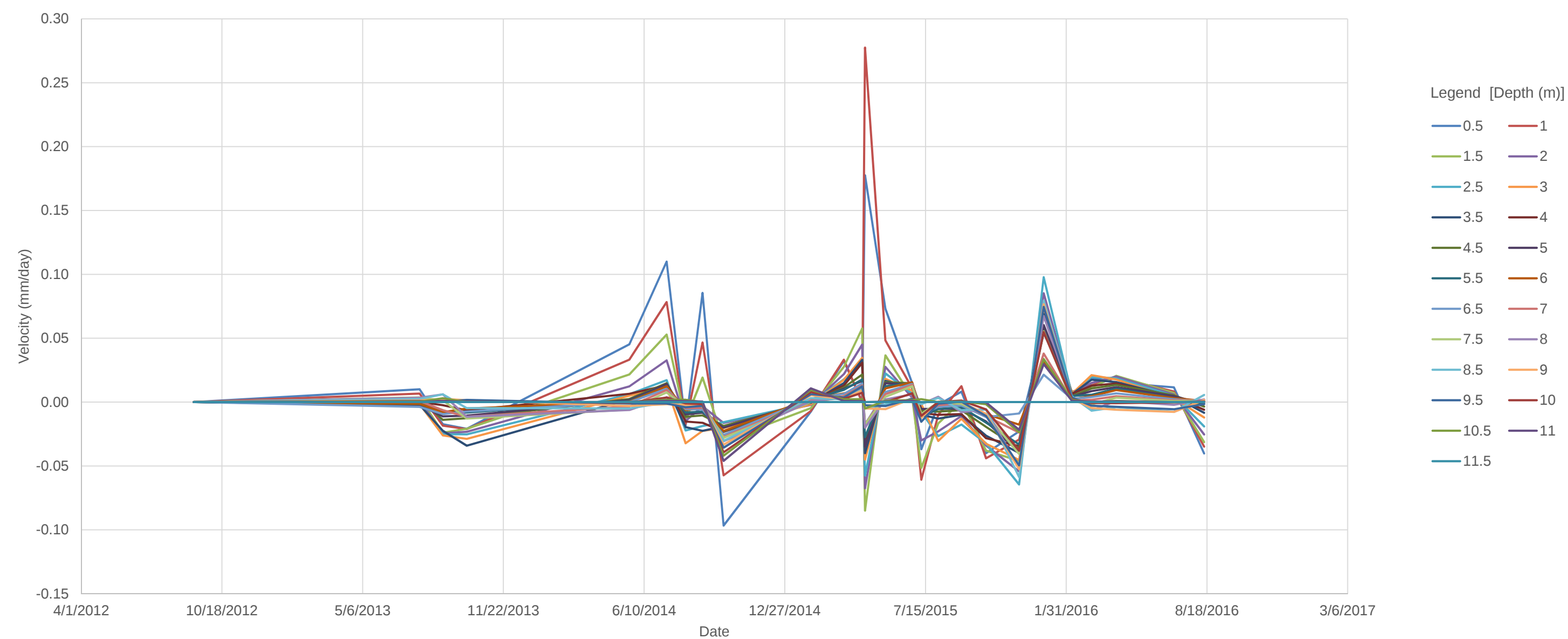
**Inclinometer 120-2A
Displacement Time Series**

Date:
Jan. 2017

Approved:
PDL

Figure:
B.15

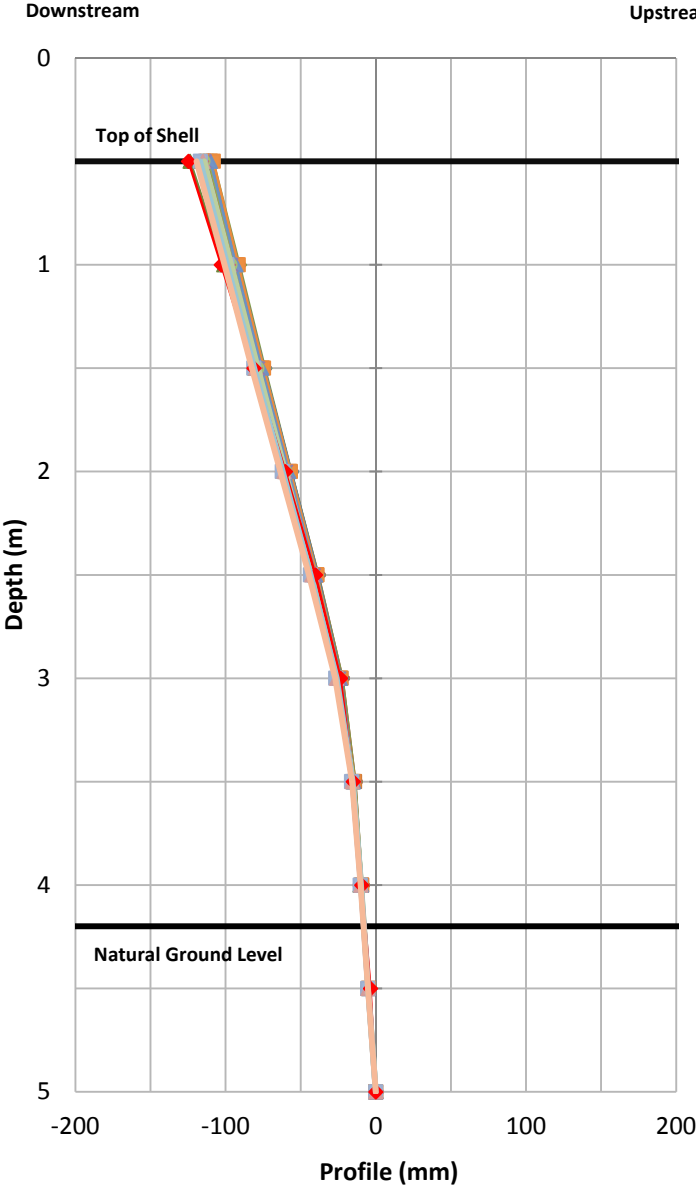
Inclinometer 120-2A Velocity Timeseries



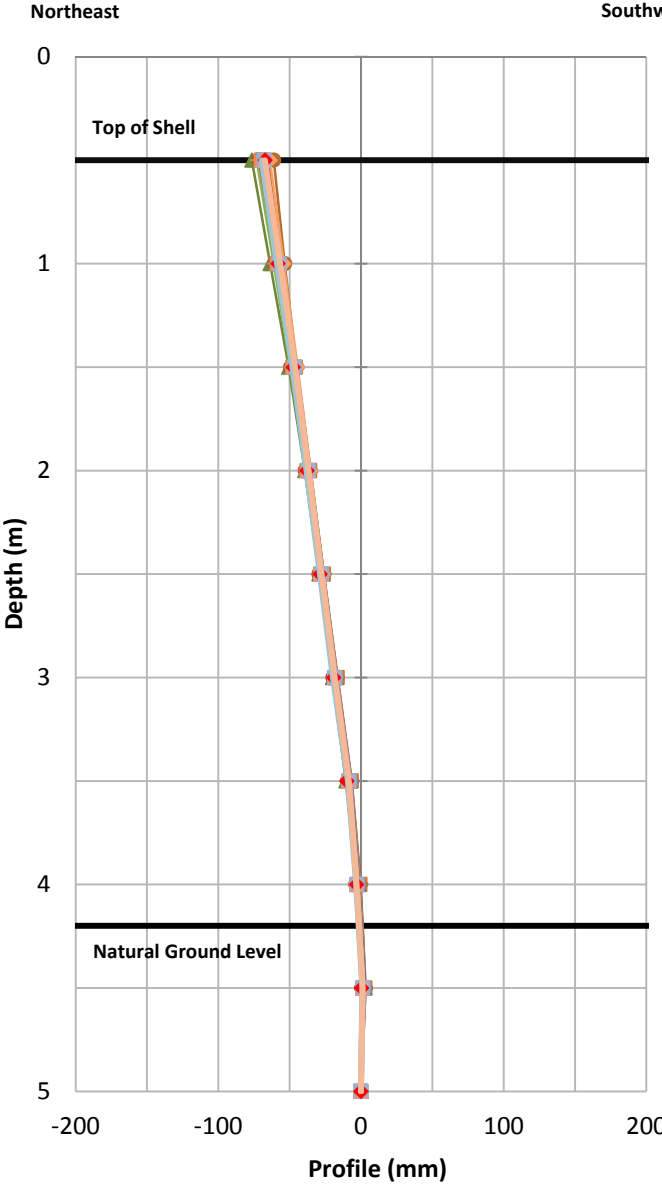
- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

		2016 Annual Geotechnical Inspection		
		Inclinometer 120-2A Velocity Time Series		
		Date: Jan. 2017	Approved: PDL	Figure: B.16
Job No: 1CT022.009	DORIS MINE			
Filename: AppendixB_1CT022.009_Inclinometers.pptx				

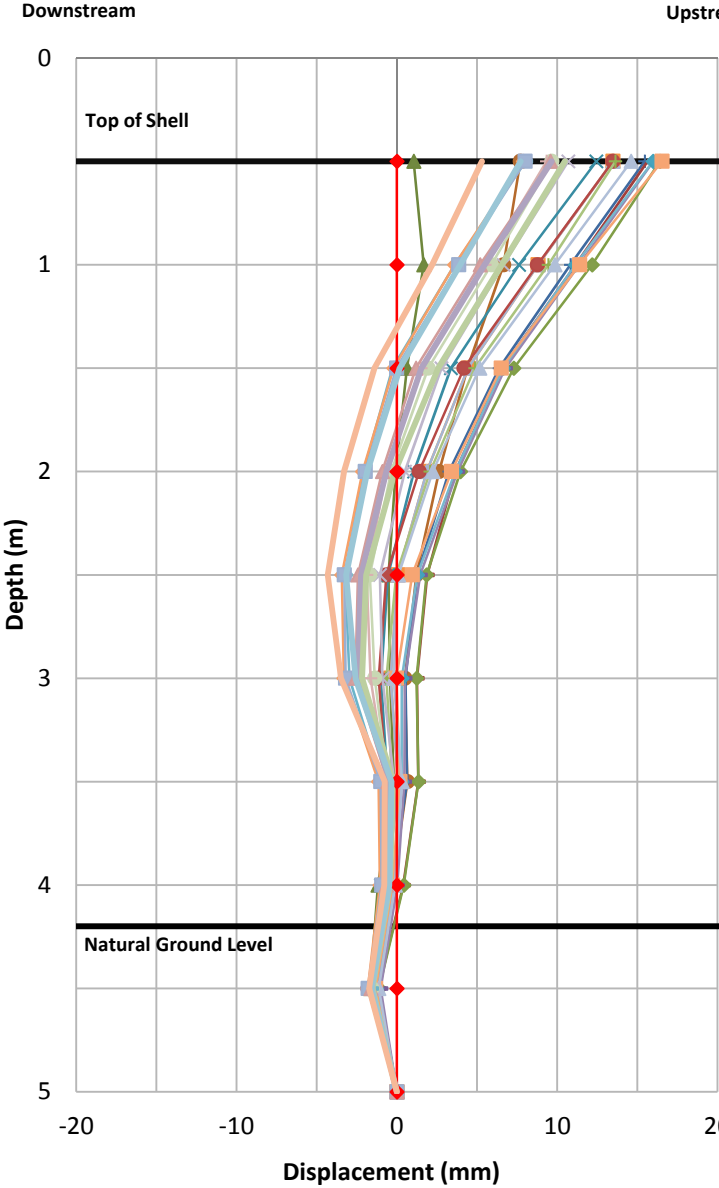
Profile Perpendicular to Centerline



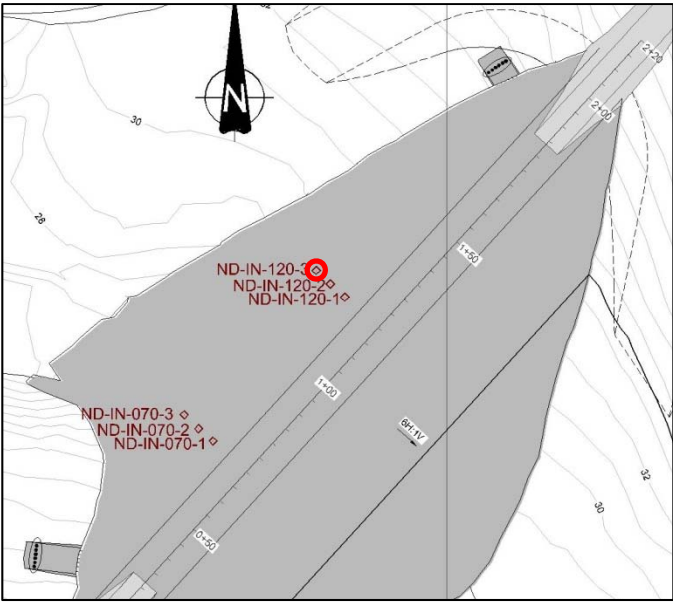
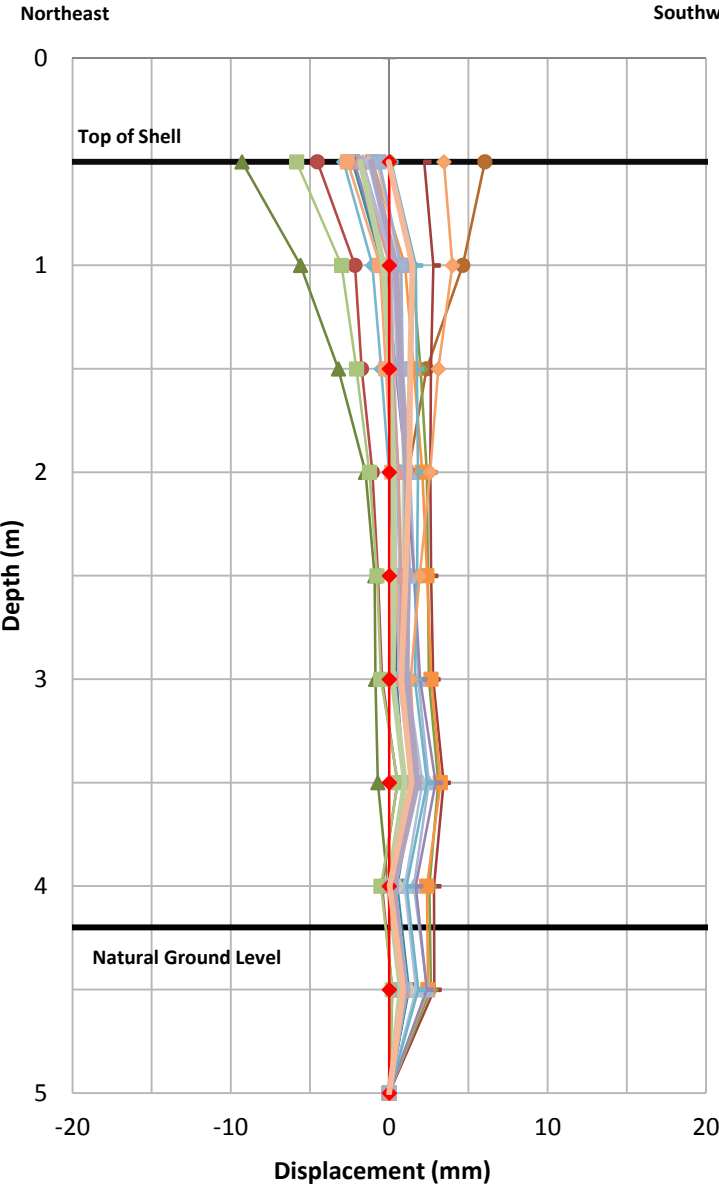
Profile Parallel to Centerline



Displacement Perpendicular to Centerline



Displacement Parallel to Centerline

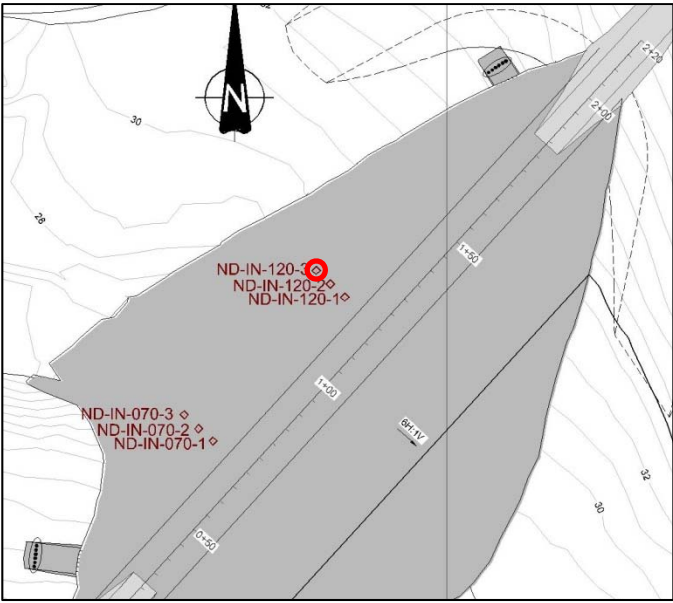
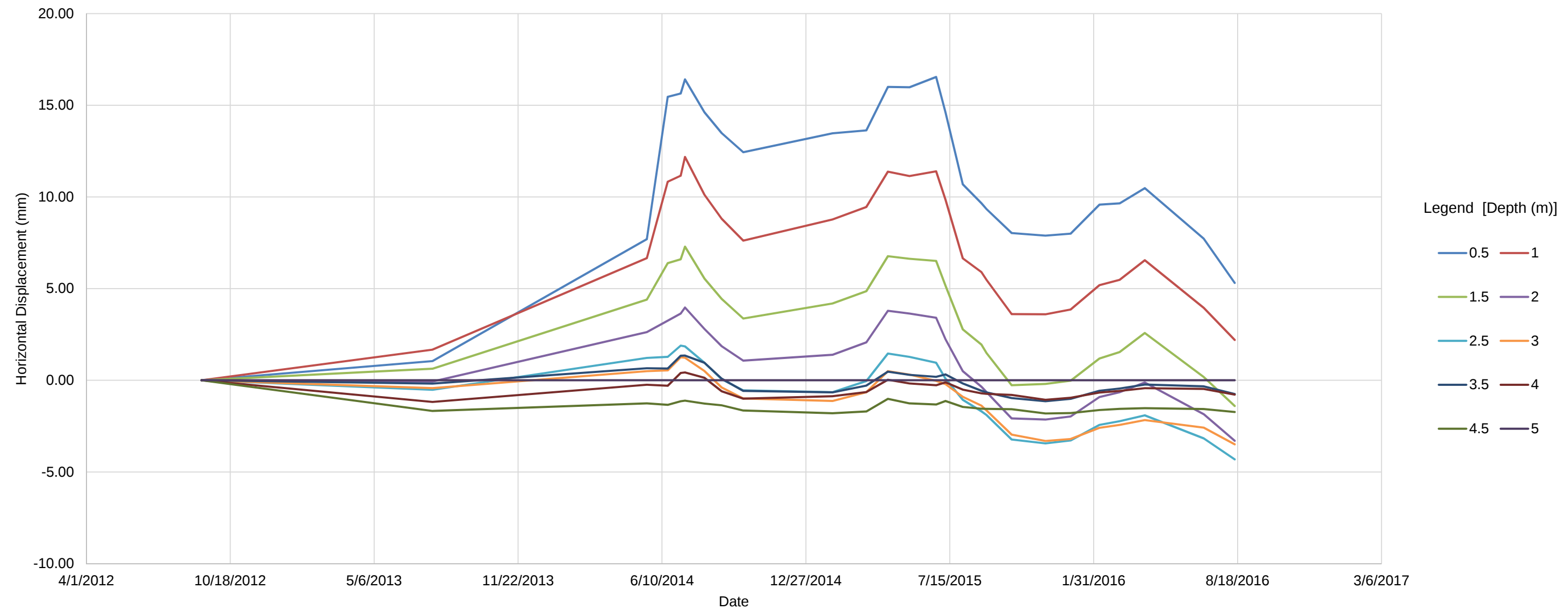


- Notes:**
1. Manufacturer's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

LEGEND:	
7/26/2013	10/1/2013
5/18/2014	7/12/2014
8/8/2014	9/1/2014
10/1/2014	2/2/2015
3/21/2015	4/8/2015
4/16/2015	5/18/2015
6/25/2015	7/9/2015
8/2/2015	9/4/2015
10/9/2015	11/25/2015
12/30/2015	2/8/2016
4/11/2016	3/7/2016
7/2/2016	8/14/2016
Initial Reading (9/8/2012)	

		2016 Annual Geotechnical Inspection		
		Inclinometer 120-3		
		Date: Jan. 2017	Approved: PDL	Figure: B.17
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE			

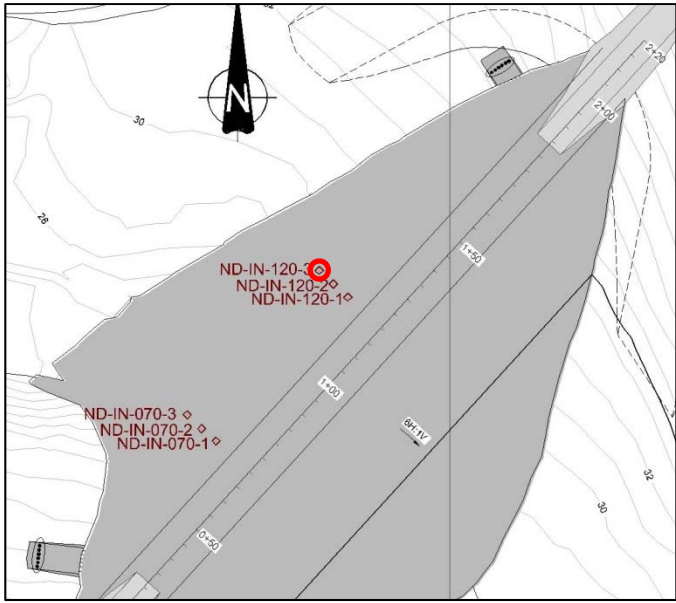
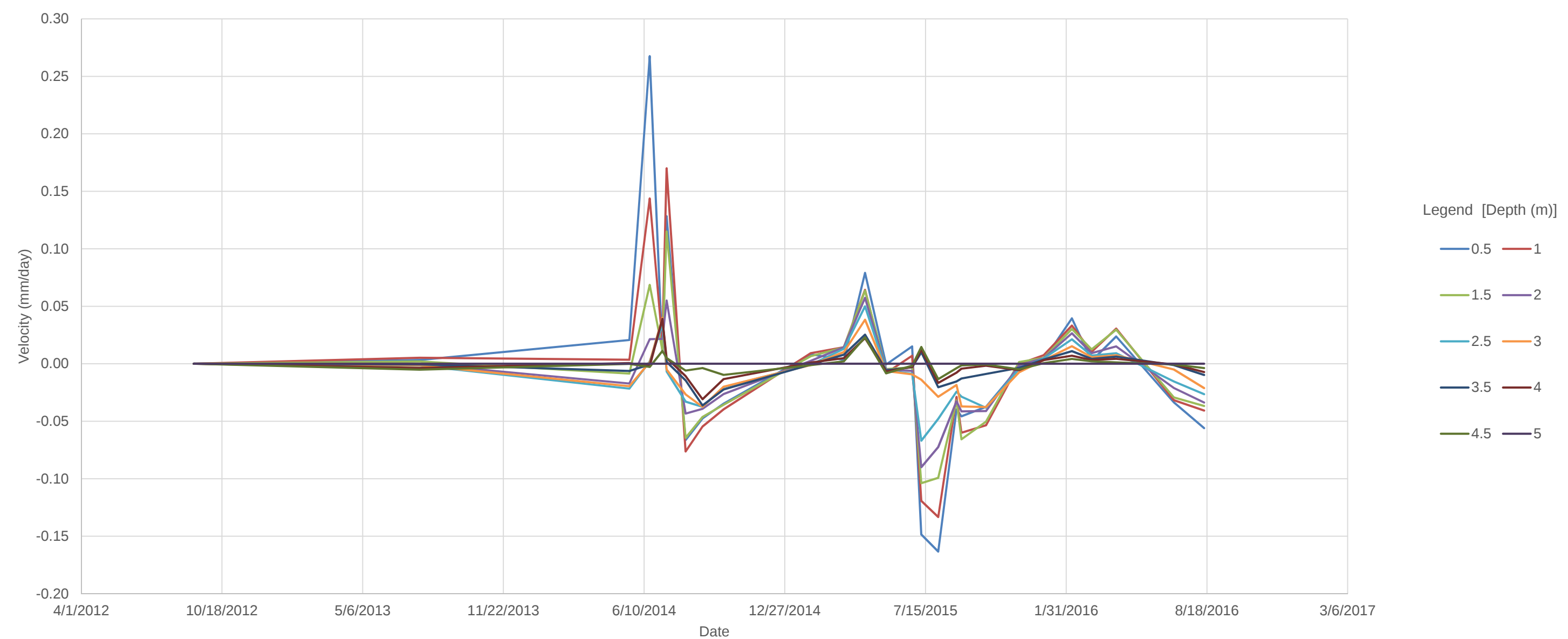
Inclinometer 120-3A Timeseries



- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

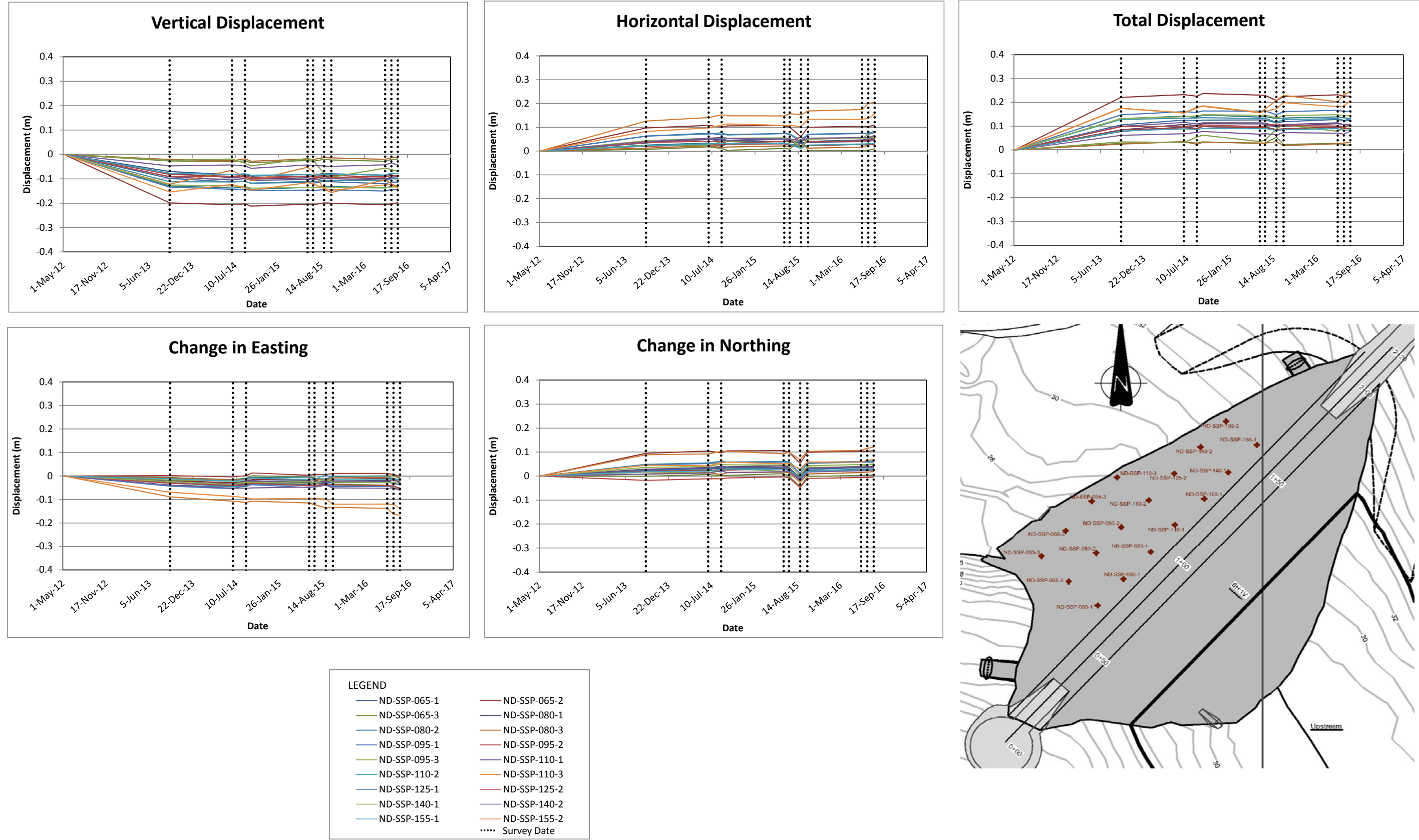
		2016 Annual Geotechnical Inspection		
		Inclinometer 120-3A Displacement Time Series		
Job No: 1CT022.009 Filename: AppendixB_1CT022.009_Inclinometers.pptx	DORIS MINE	Date: Jan. 2017	Approved: PDL	Figure: B.18

Inclinometer 120-3A Velocity Timeseries

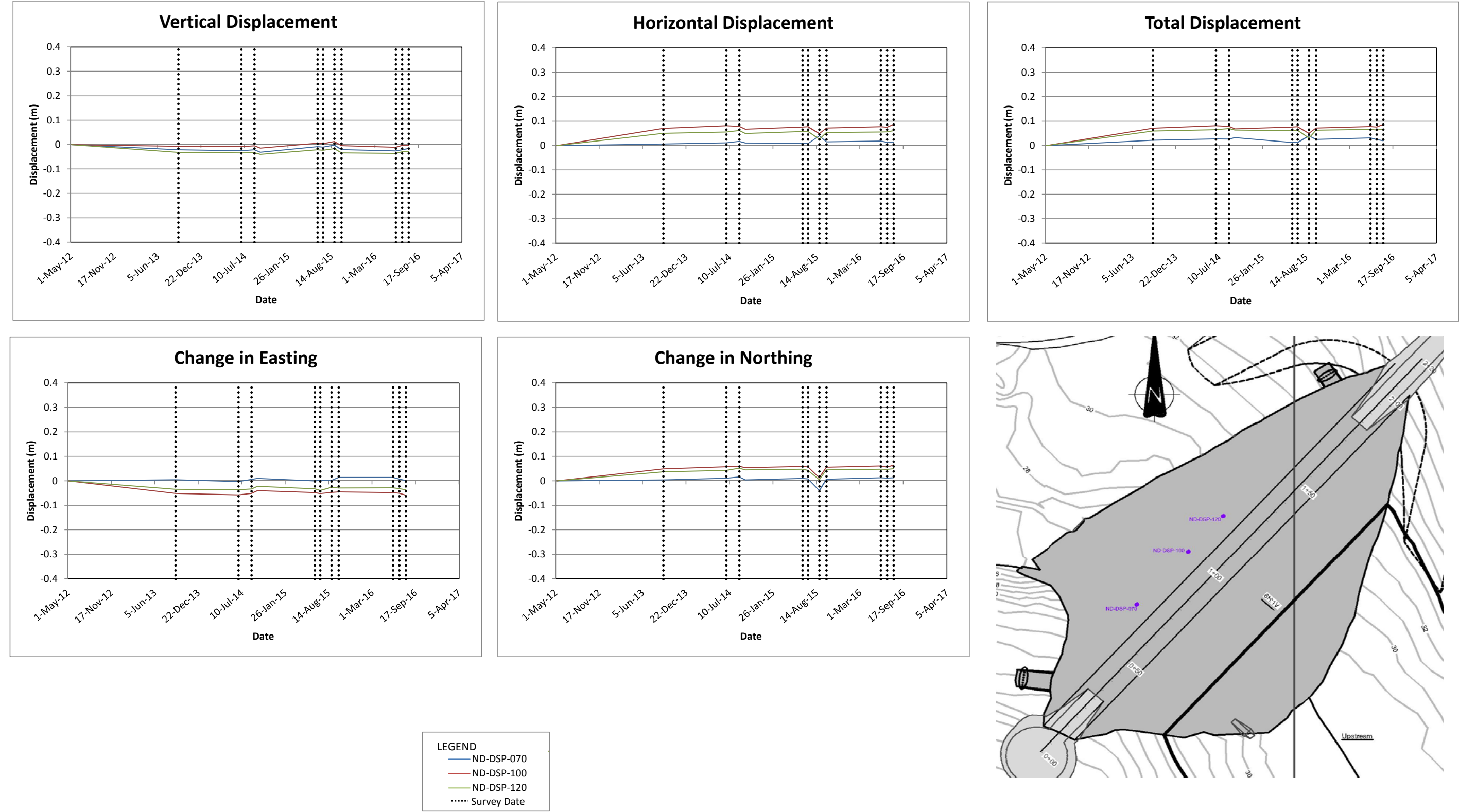


- Notes:**
1. Manufacture's accuracy is +/- 0.25 mm per location
 2. Survey data excluded from the charts is noted on Figure B.1

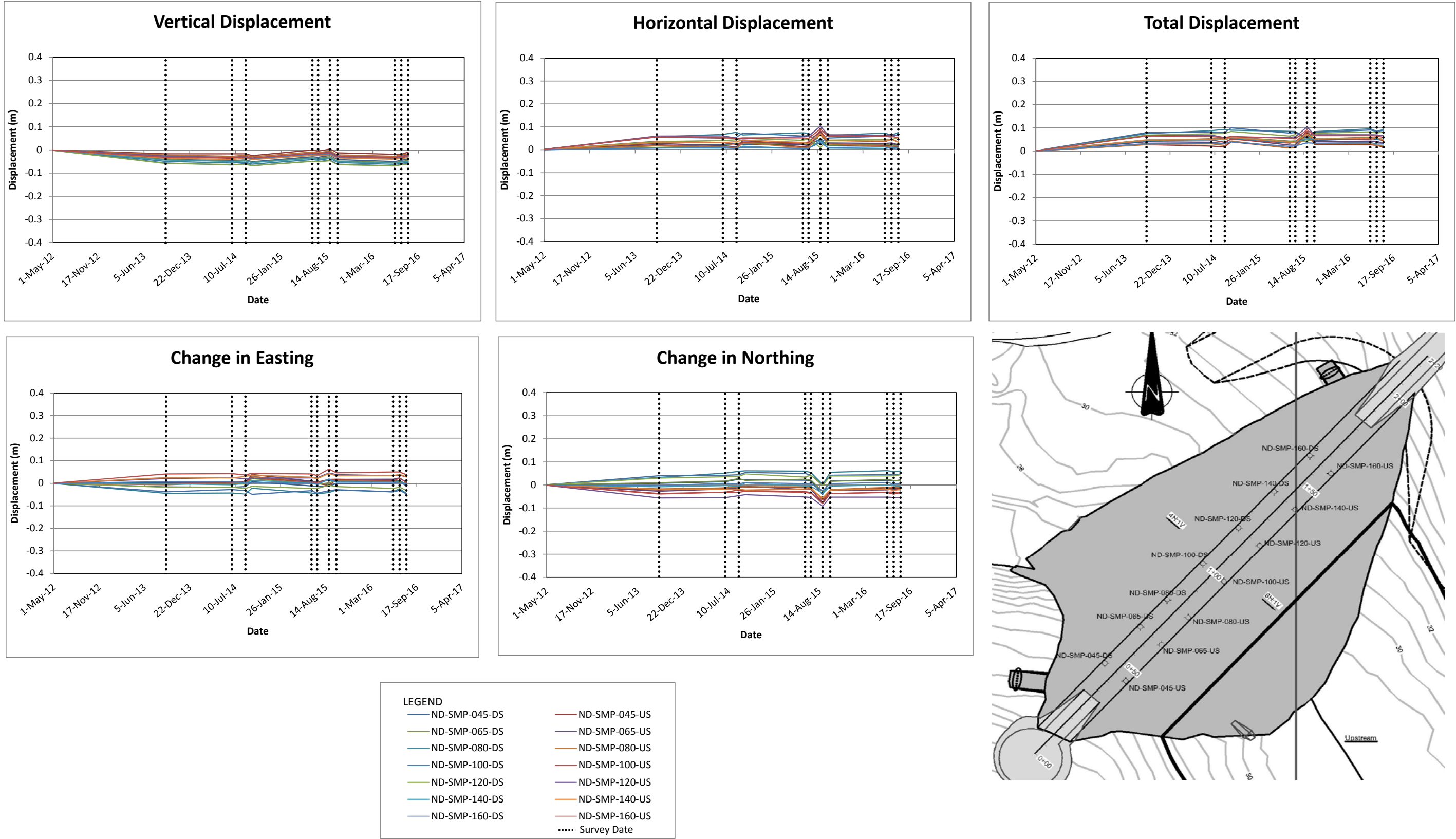
SURFICIAL SURVEY MONITORING POINTS



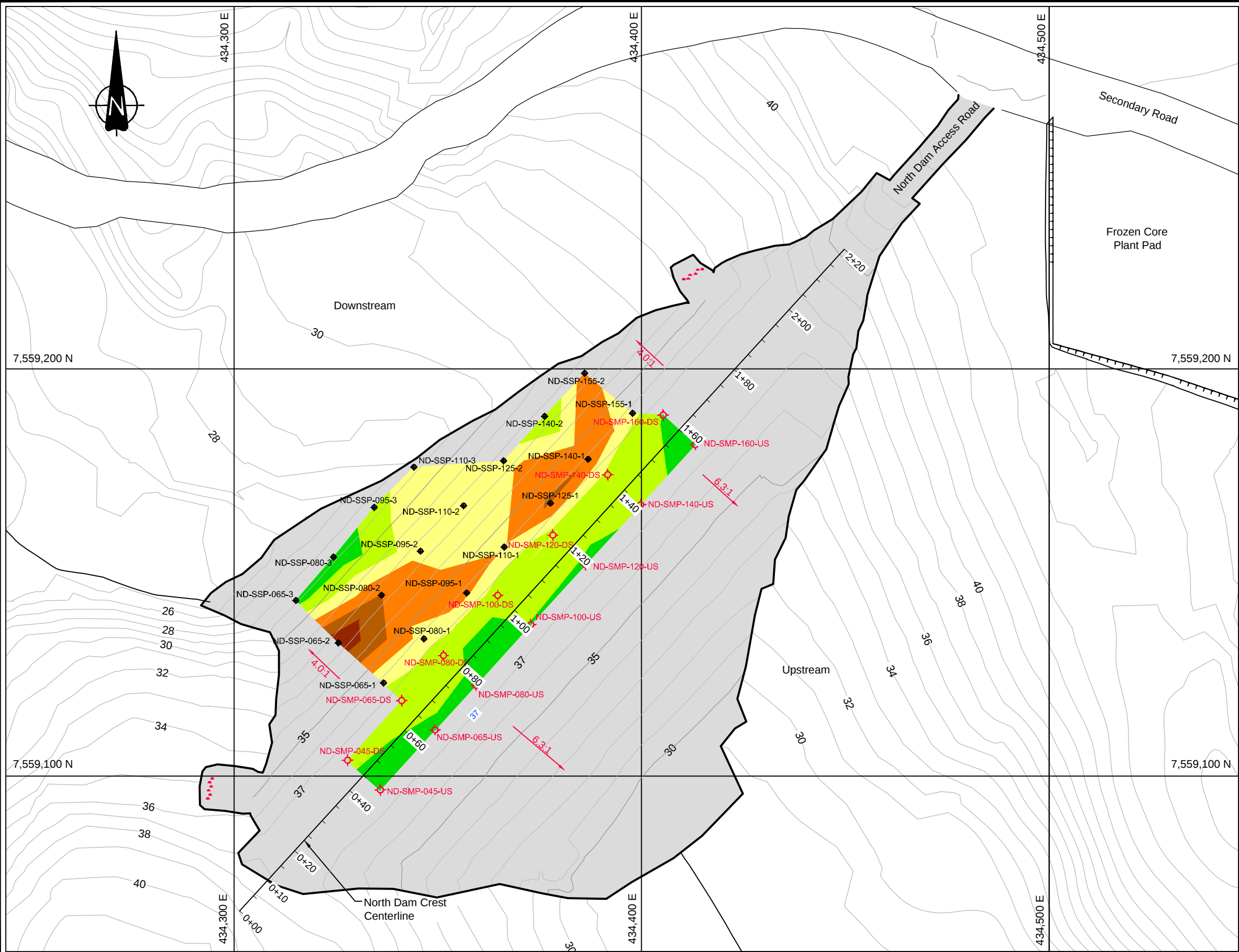
DEEP SETTLEMENT POINTS



CREST SURVEY MONITORING POINTS



C:\N1_SITES\Hope Bay\North Dam\Settlement update\1CT022.001-North Dam Settlement Aug2016.dwg



LEGEND

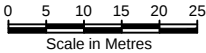
- Crest Monitoring Point
- Surface Survey Point
- Major Contour
- Final Surface Extents
- Thermosyphon Radiator

NOTES

- Topographic contour data for the terrain model was provided by the Contractor.
- The co-ordinate system is UTM NAD 83, Zone 13.

Settlement Elevation Legend

Minimum Elevation (m)	Maximum Elevation (m)	Color
-0.18	-0.15	
-0.15	-0.12	
-0.12	-0.09	
-0.09	-0.06	
-0.06	-0.03	
-0.03	0.00	



SRK JOB NO.: 1CT022.009
FILE NAME: 1CT022.001-North Dam Settlement Aug2016.dwg



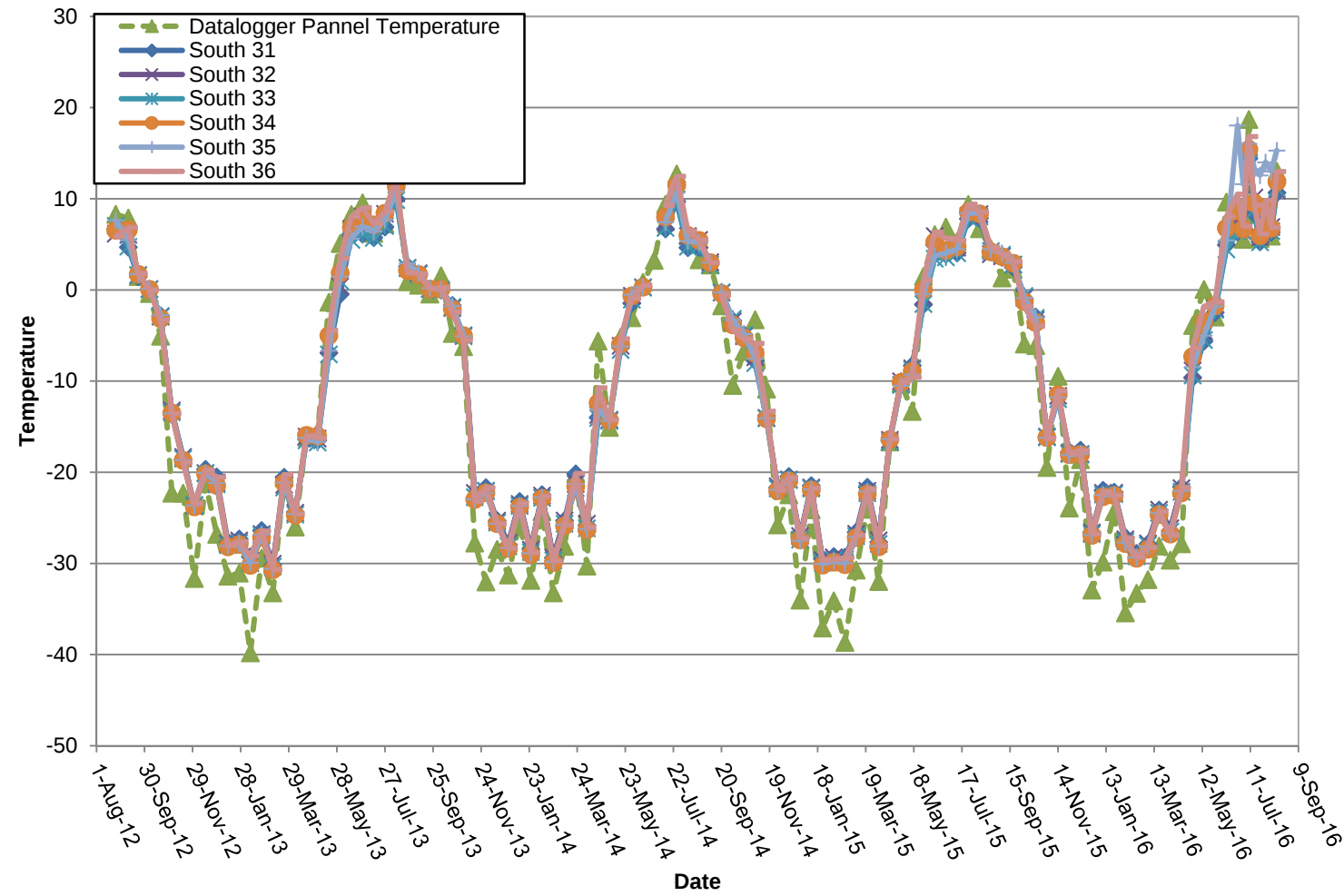
DORIS MINE

2016 Geotechnical Inspection

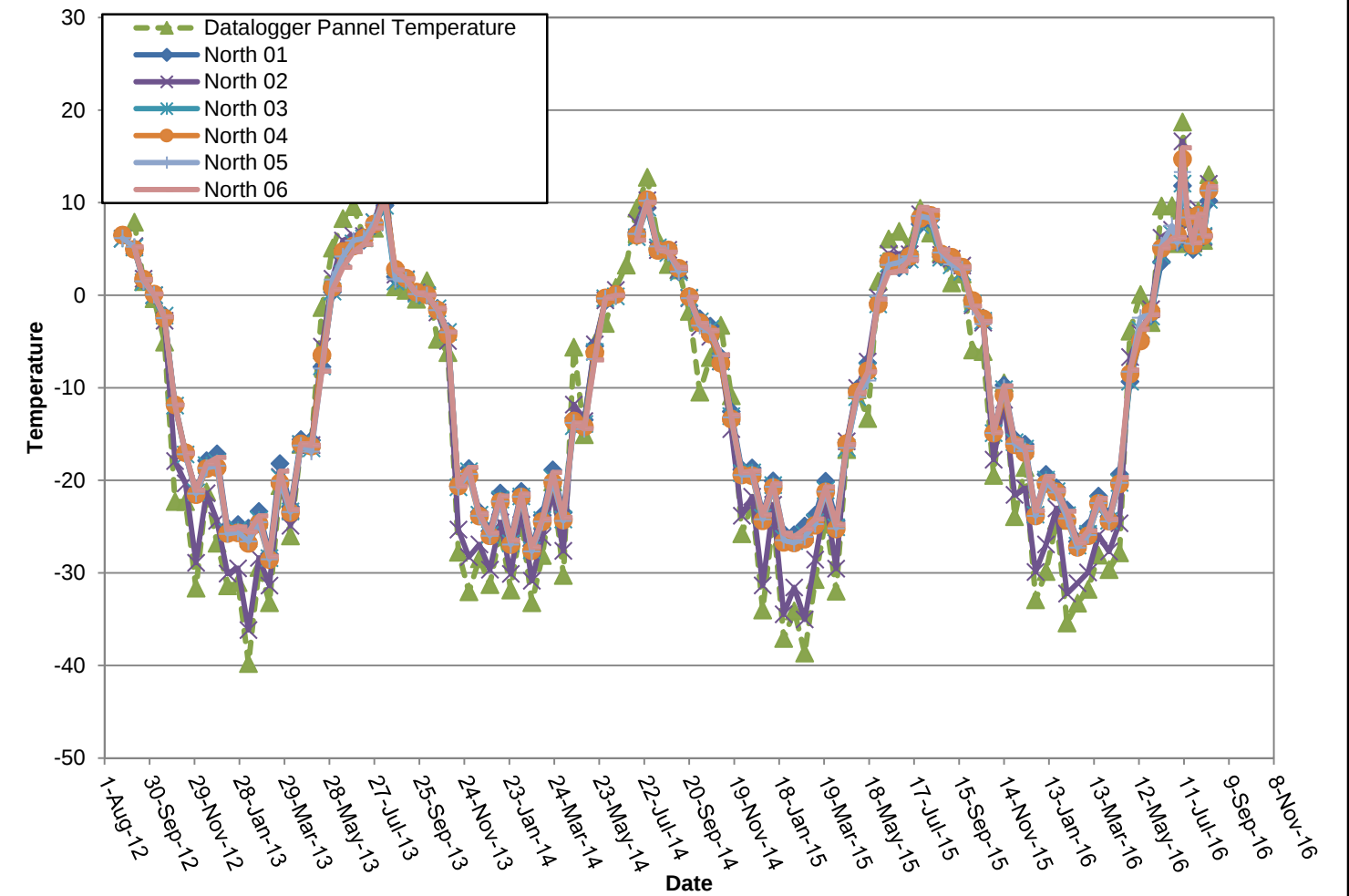
North Dam Settlement Isopach
for August 3rd, 2016 Settlement Points

DATE: Jan. 2017	APPROVED: PL	FIGURE: C.4
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South Thermosyphon Monitoring

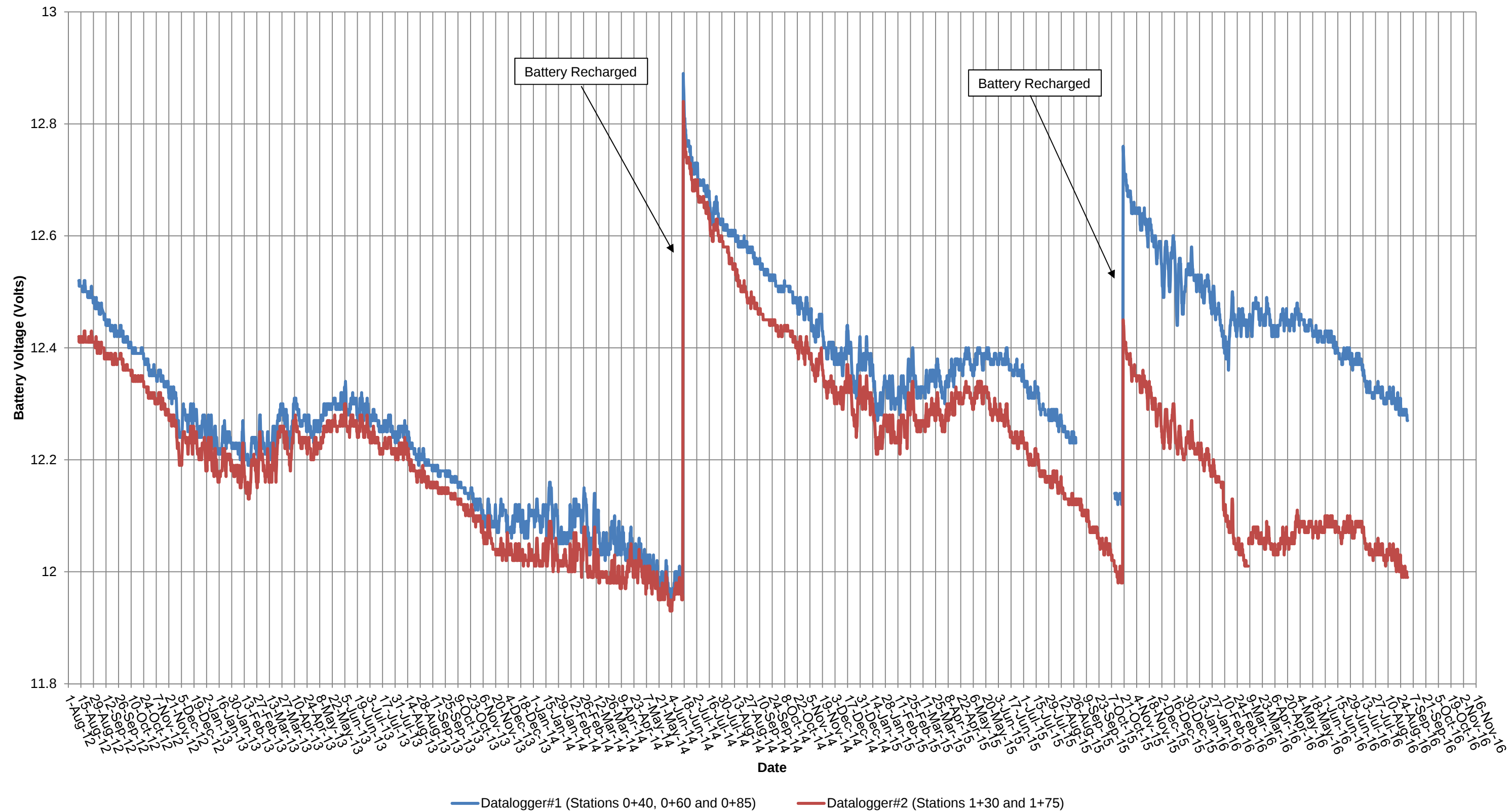


North Thermosyphon Monitoring



Appendix E – Datalogger Battery Levels

Battery Voltage



Notes:

1. Operating voltage range is 9.6 to 16 V
2. Optimal operating voltage is 12 to 14 V
3. Datalogger will shut down if voltage drops below 9.6 V

		2016 Annual Geotechnical Inspection		
		Battery Voltage with Time		
		Date: March 2017	Approved: PDL	Figure: E.1
Job No: 1CT022.009 Filename: AppendixE_1CT022.009_Batteries.pptx	DORIS MINE			