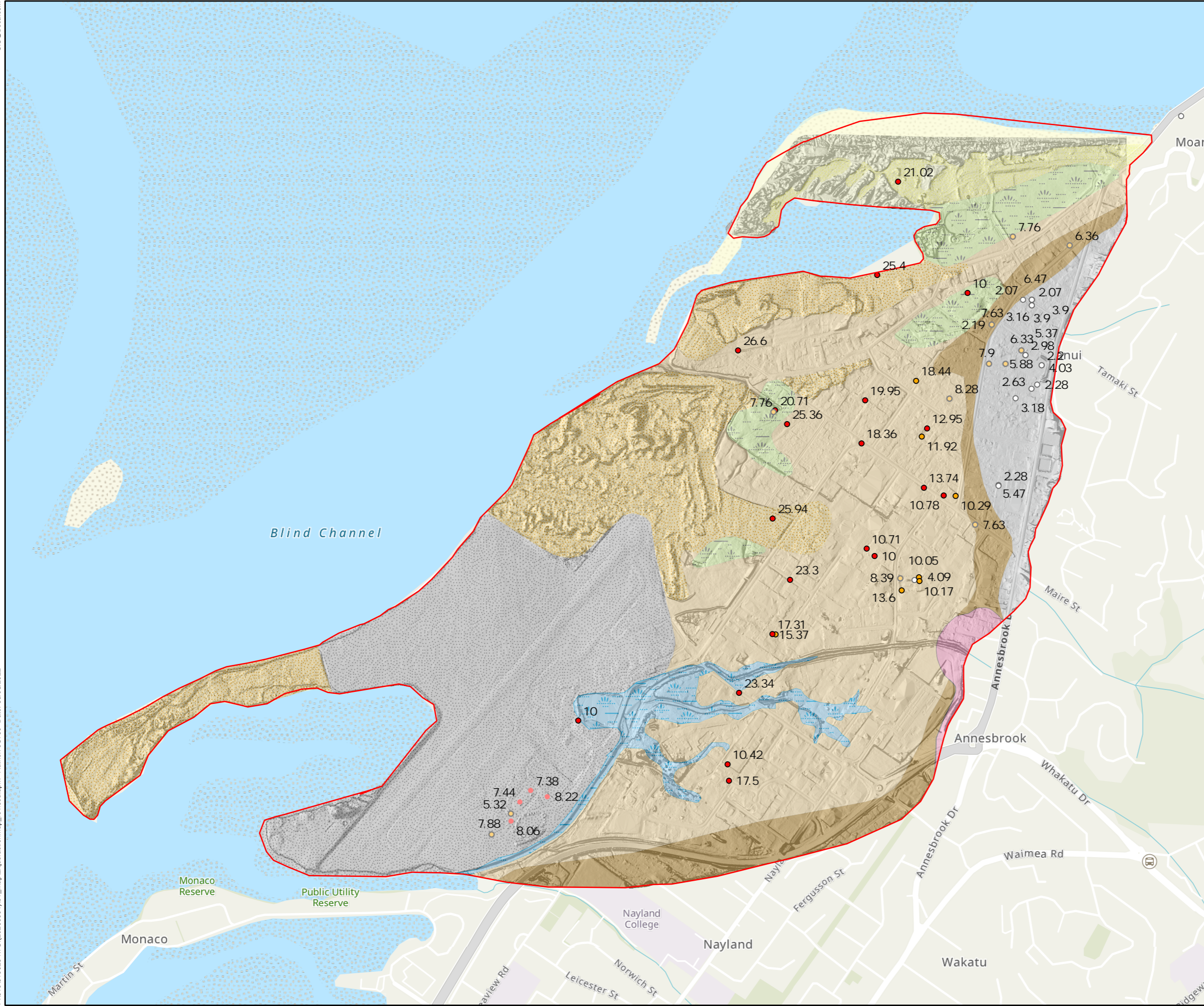


A

Appendix A – Map Outputs



Geomorphology and CPT Assigned Liquefaction Vulnerability of Tahunanui Area

Legend

Tahunanui Study Area
 [Red outline]

CPT Assigned Liquefaction Vulnerability

Inferred Vulnerability

- High
- High Inferred
- Medium
- Medium Inferred
- Shallow Refusal

Geomorphology

- Alluvial Fan Deposits
- Dunes
- Infilled Estuary
- Infilled Swamp
- Jenkins Creek Alluvial Fan Deposits
- Quaternary Beach Deposits
- Rabbit Island Gravel
- Re-worked Dunes
- Relict Sand Dunes
- Reworked Beach Ridges

Map Scale @ A3 1:25,000

0 250 500 Metres

Revision	Author	Verified	Approved	Date
1	JS780	BMM2	SB	14/04/2022

Client: Nelson City Council
 Discipline: GIS

Project: Liquefaction Review and Support
 Drawing No: GIS-3160254-02

B

Appendix B – Quantitative Liquefaction Assessment Outputs

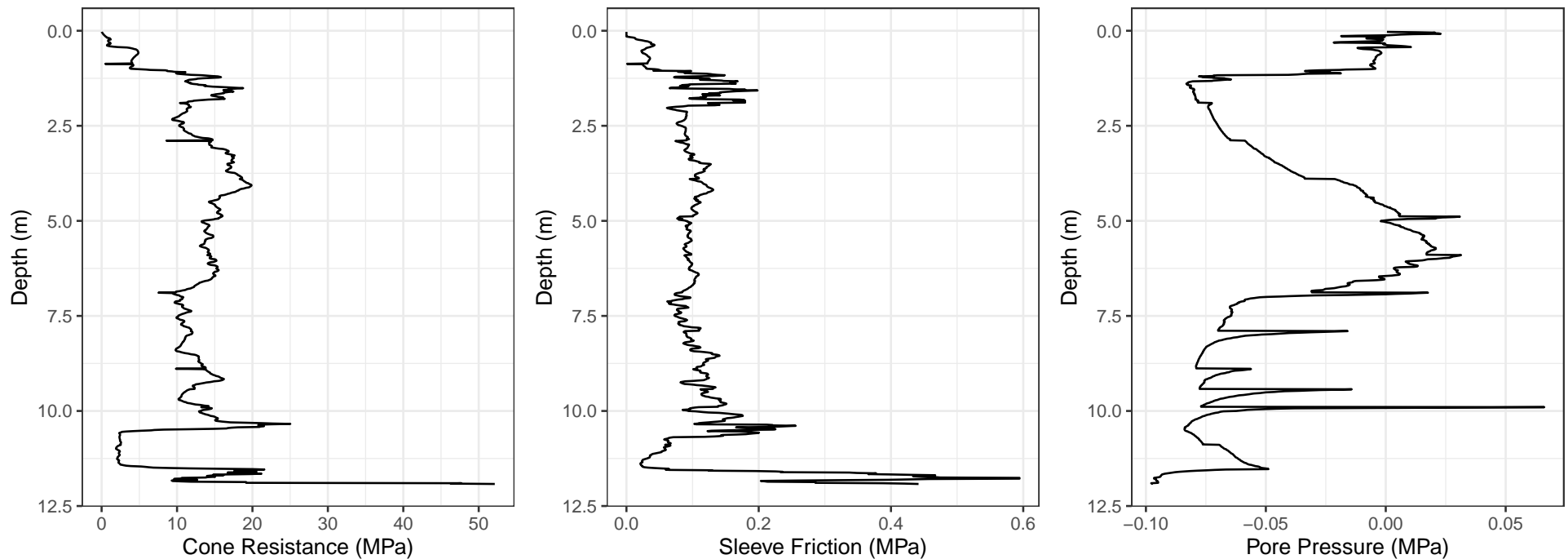
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

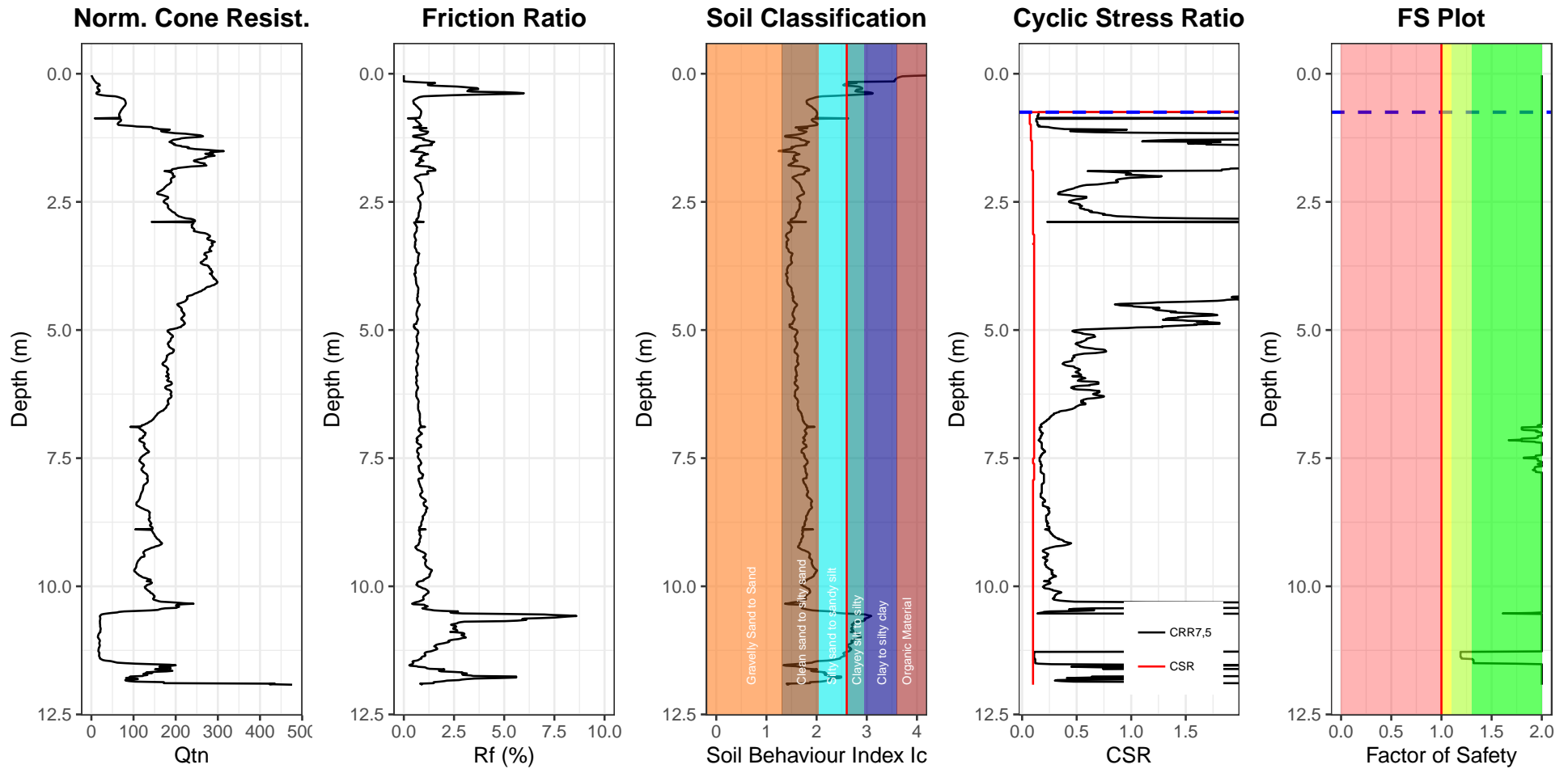
Input Parameters

Analysis :	Seismic :	Data :
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<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620262 , 5429167

Raw Data Plots - CPT_105845



CPT_105845



Outputs for CPT_105845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

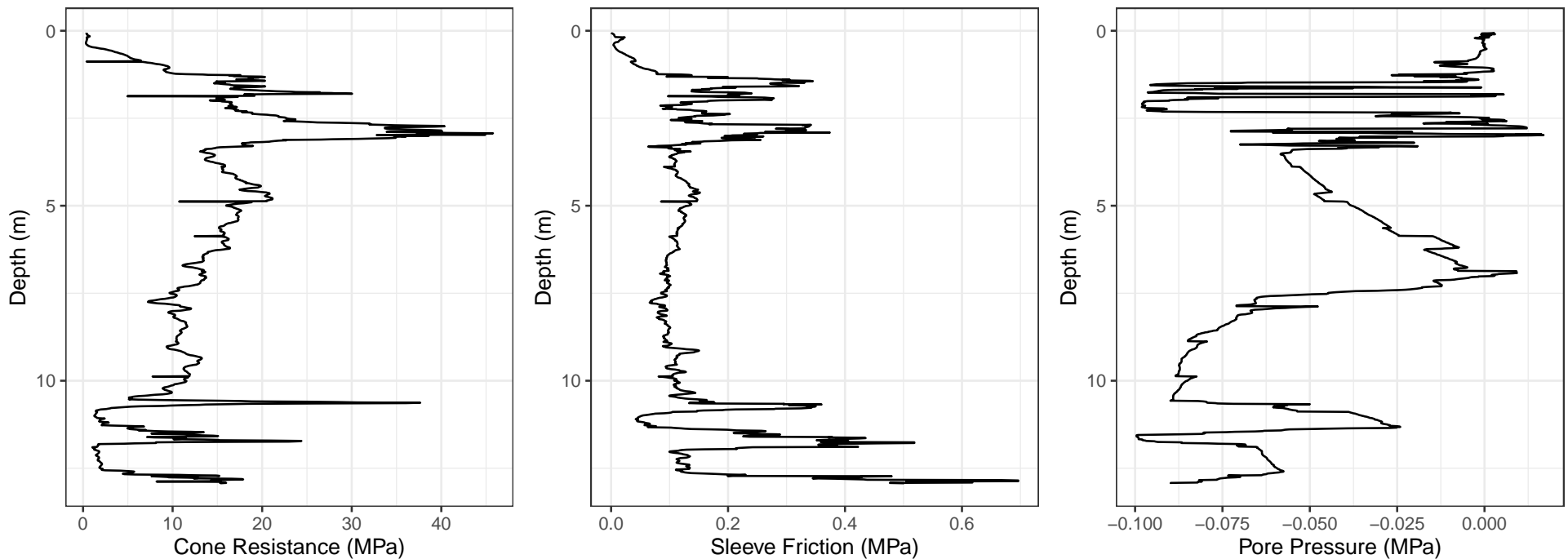
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

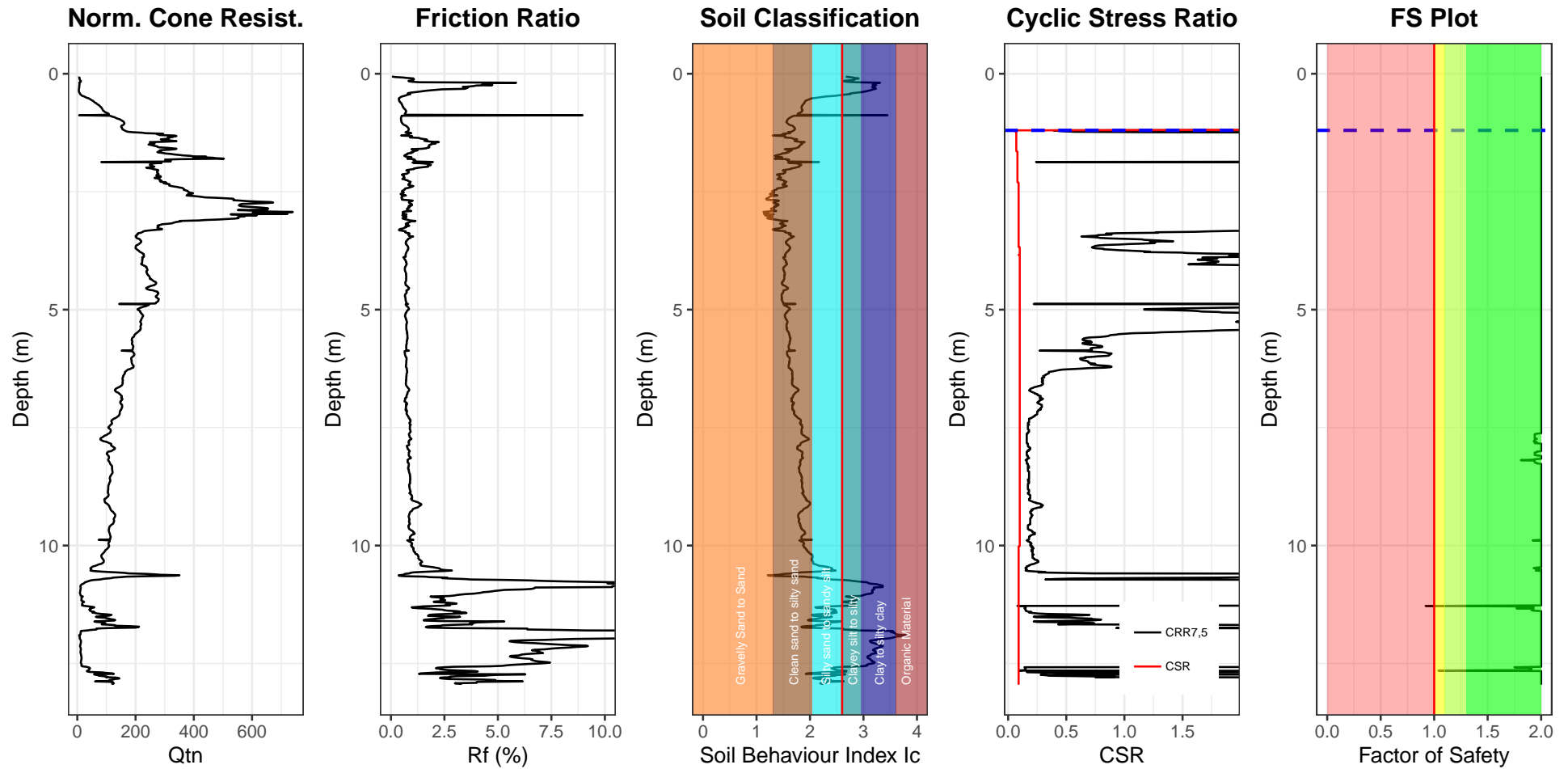
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.06
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620280 , 5429196

Raw Data Plots - CPT_105847



CPT_105847



Outputs for CPT_105847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

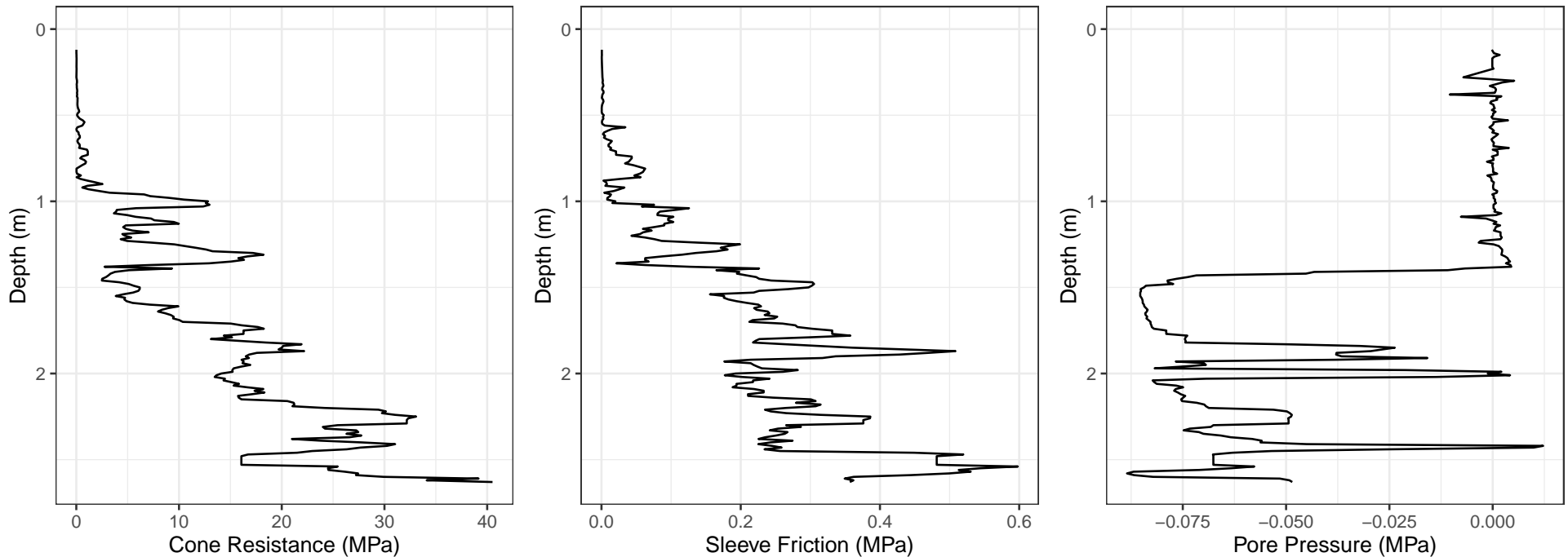
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

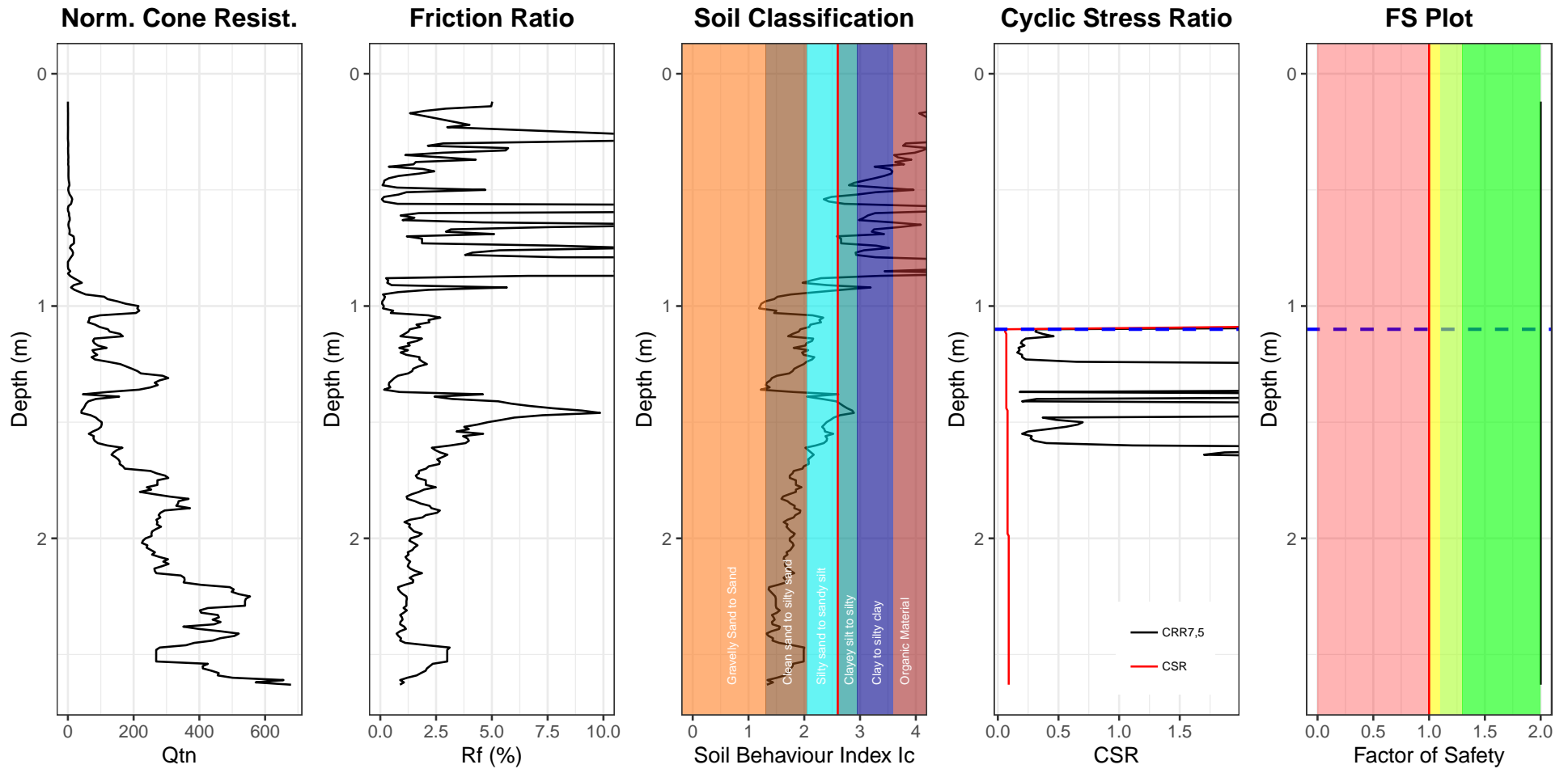
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 25yr	<i>Groundwater (m bgl) :</i>	1.1
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.1	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.12
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620649 , 5429336

Raw Data Plots - CPT_105955



CPT_105955



Outputs for CPT_105955:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

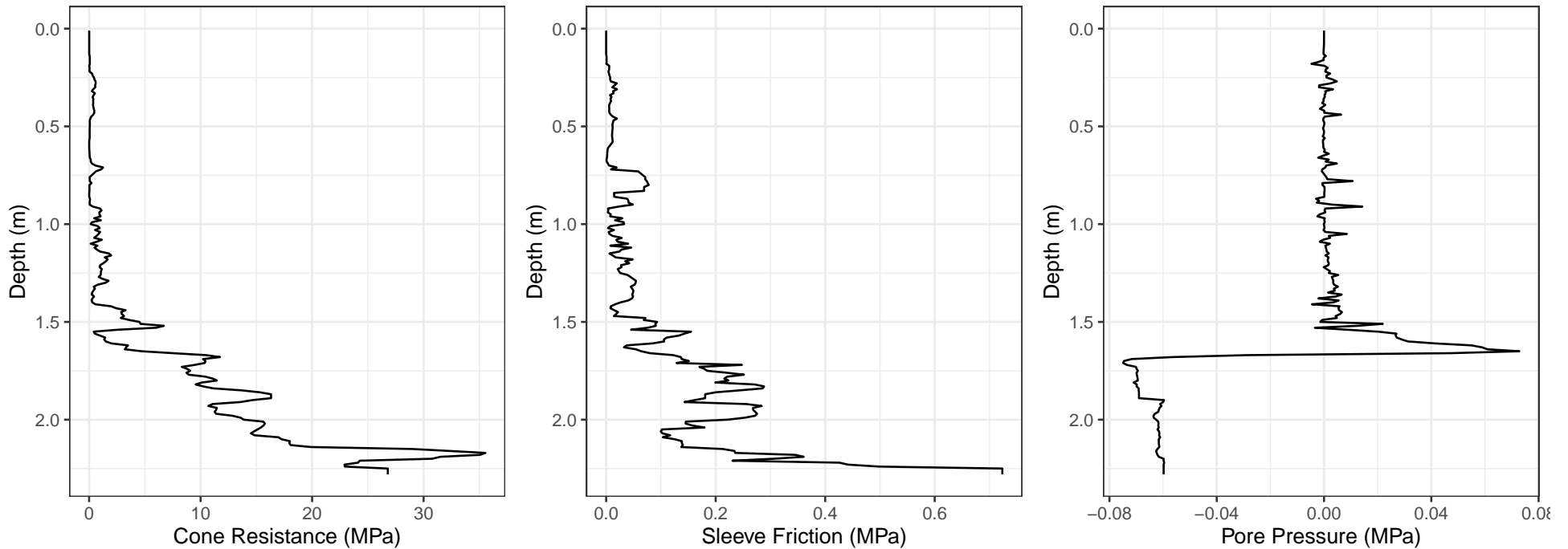
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

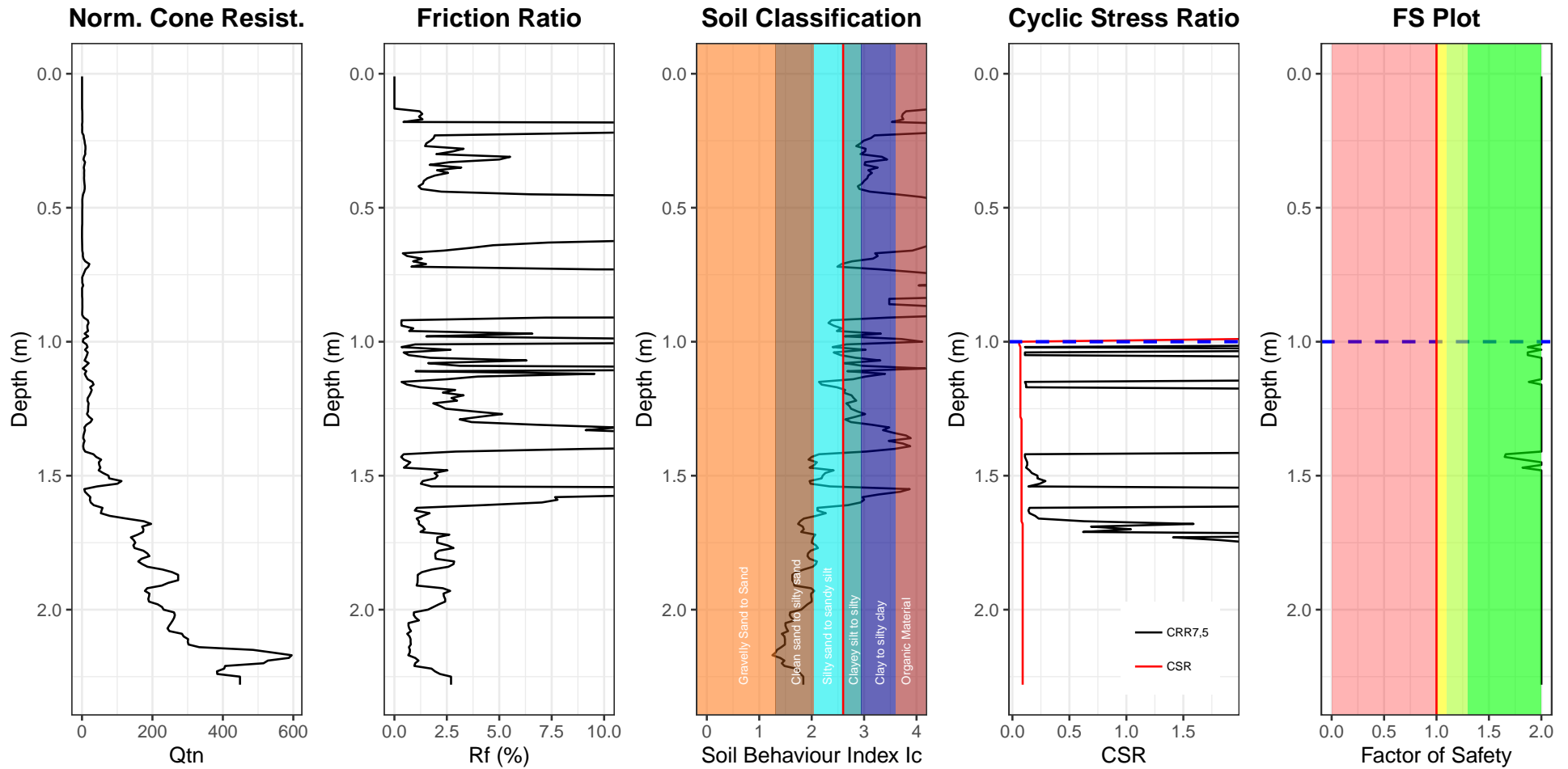
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620669 , 5429350

Raw Data Plots - CPT_105956



CPT_105956



Outputs for CPT_105956:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

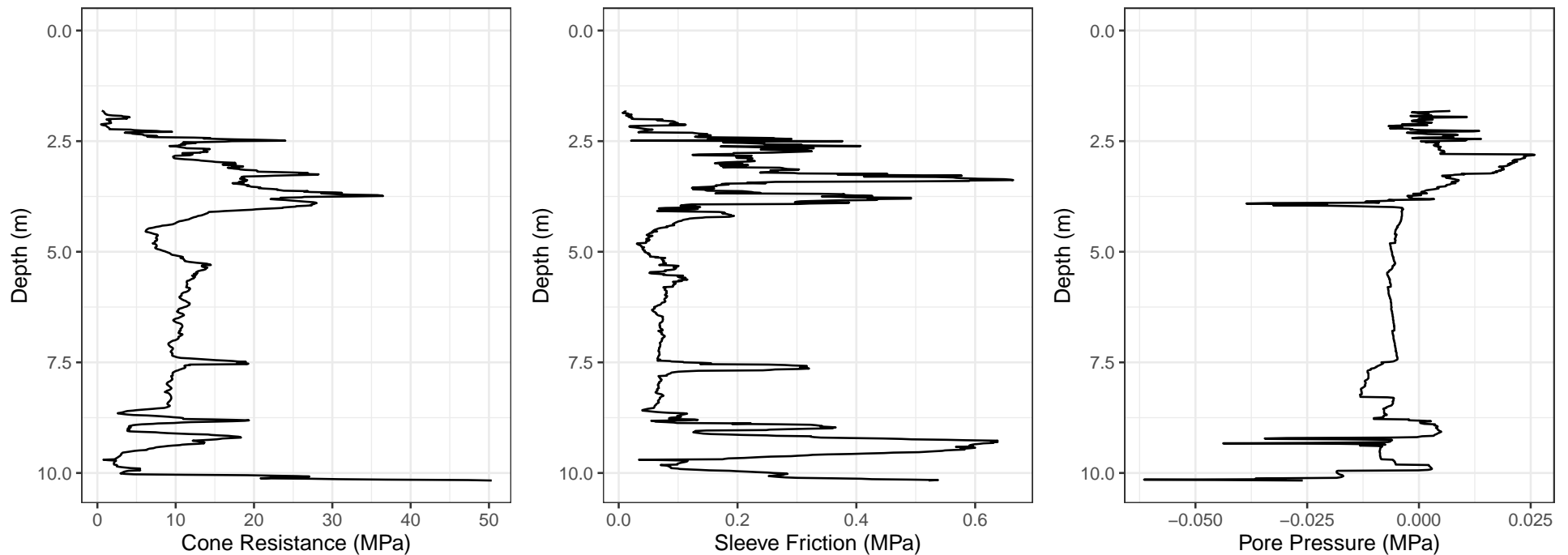
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

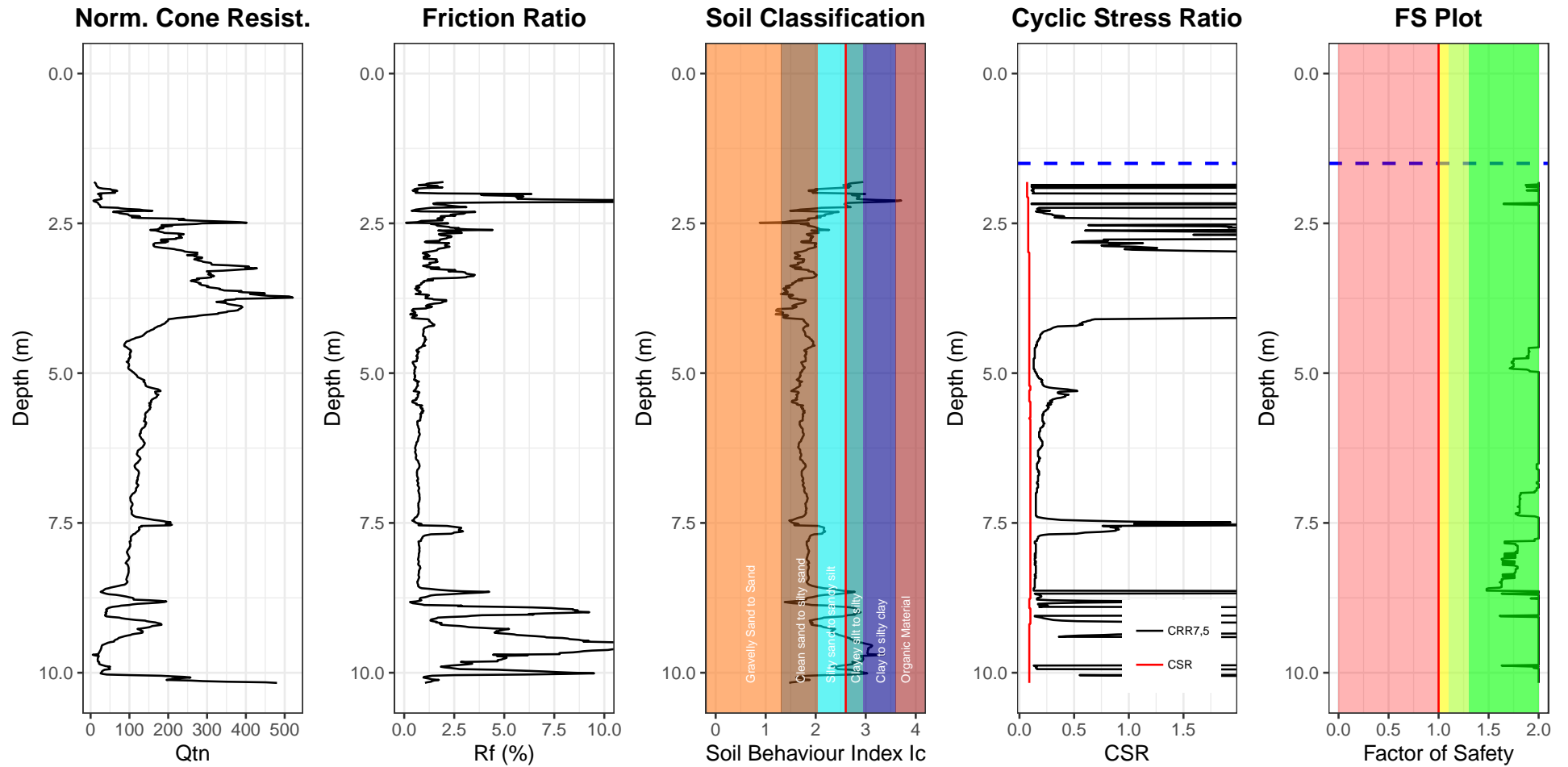
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.81
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620253 , 5428658

Raw Data Plots - CPT_115930



CPT_115930



Outputs for CPT_115930:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

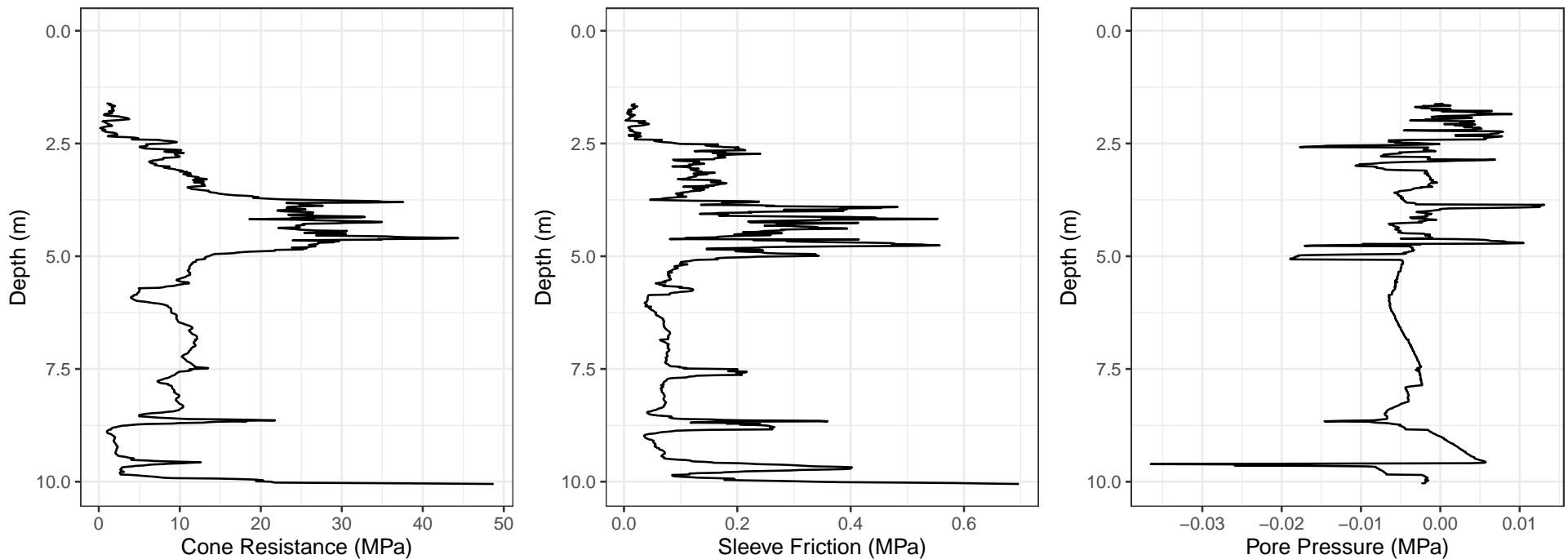
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

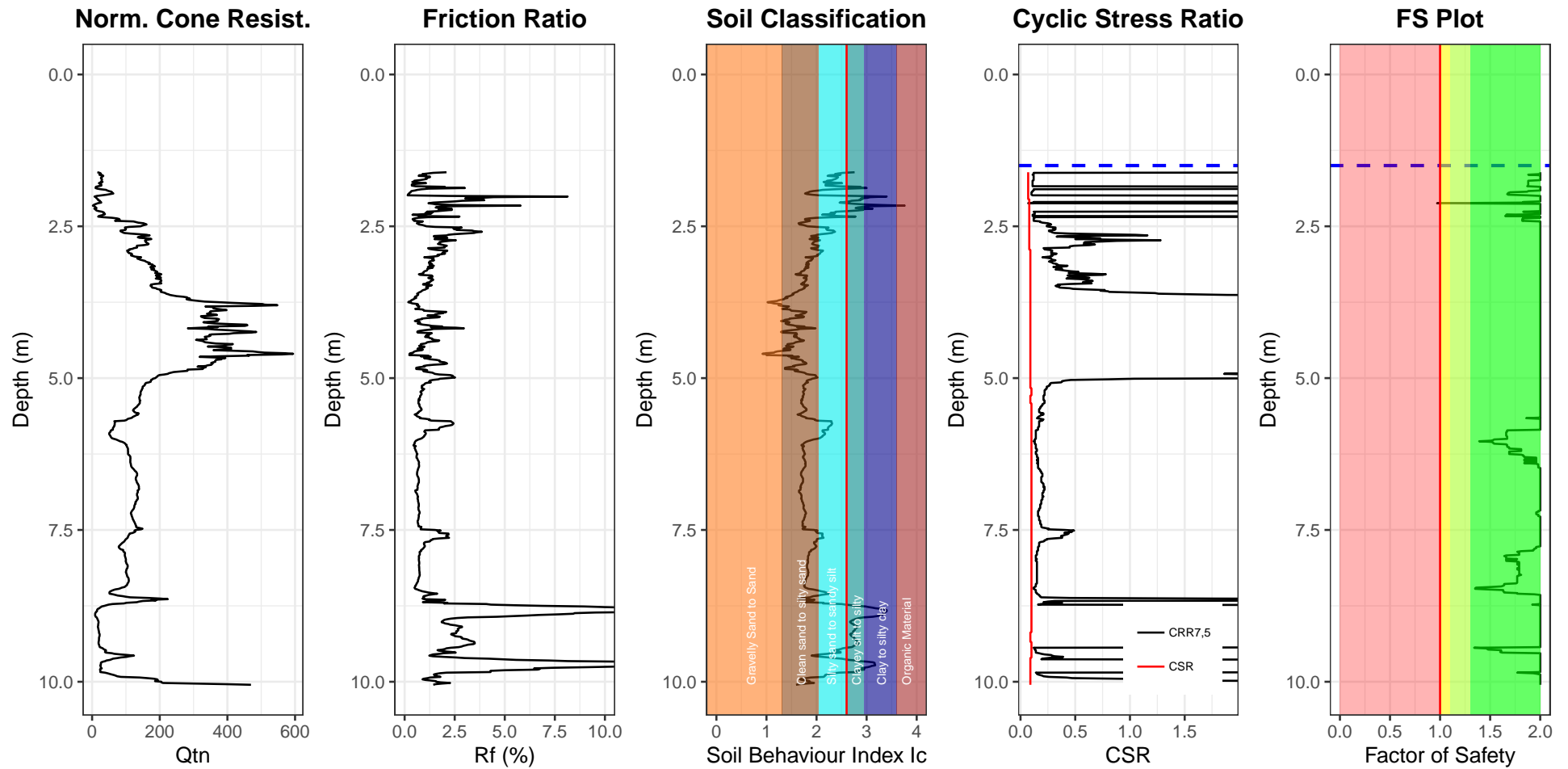
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.61
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620252 , 5428671

Raw Data Plots - CPT_115932



CPT_115932



Outputs for CPT_115932:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

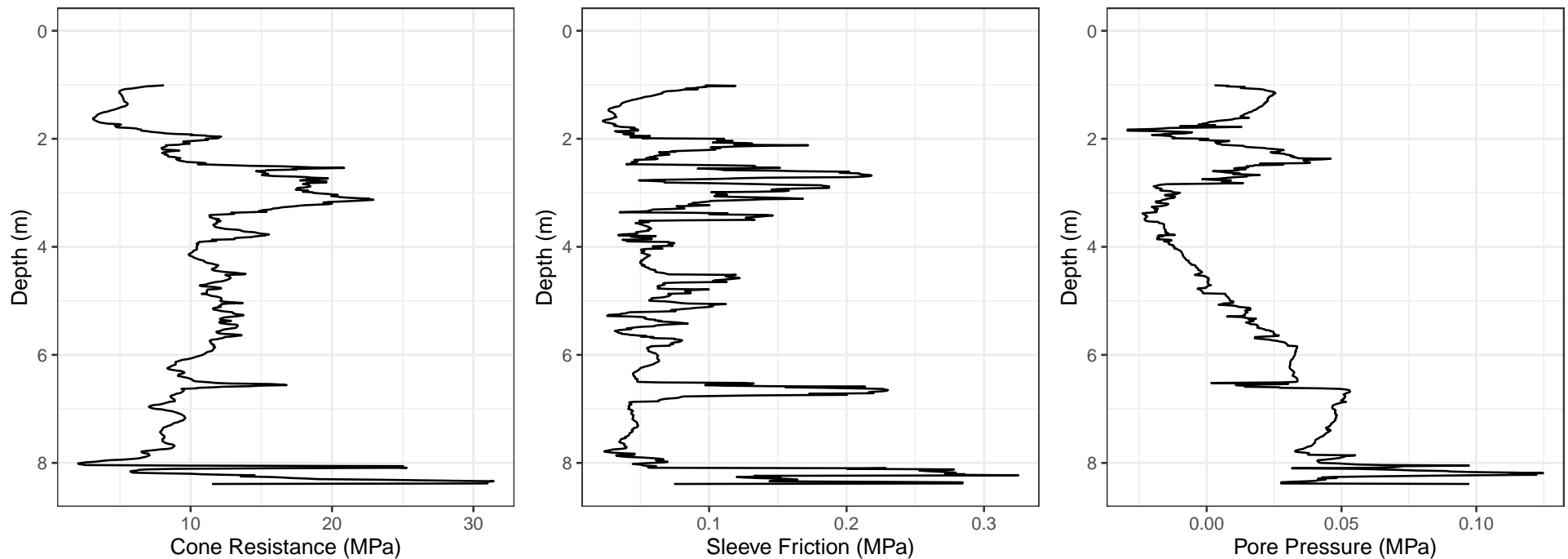
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

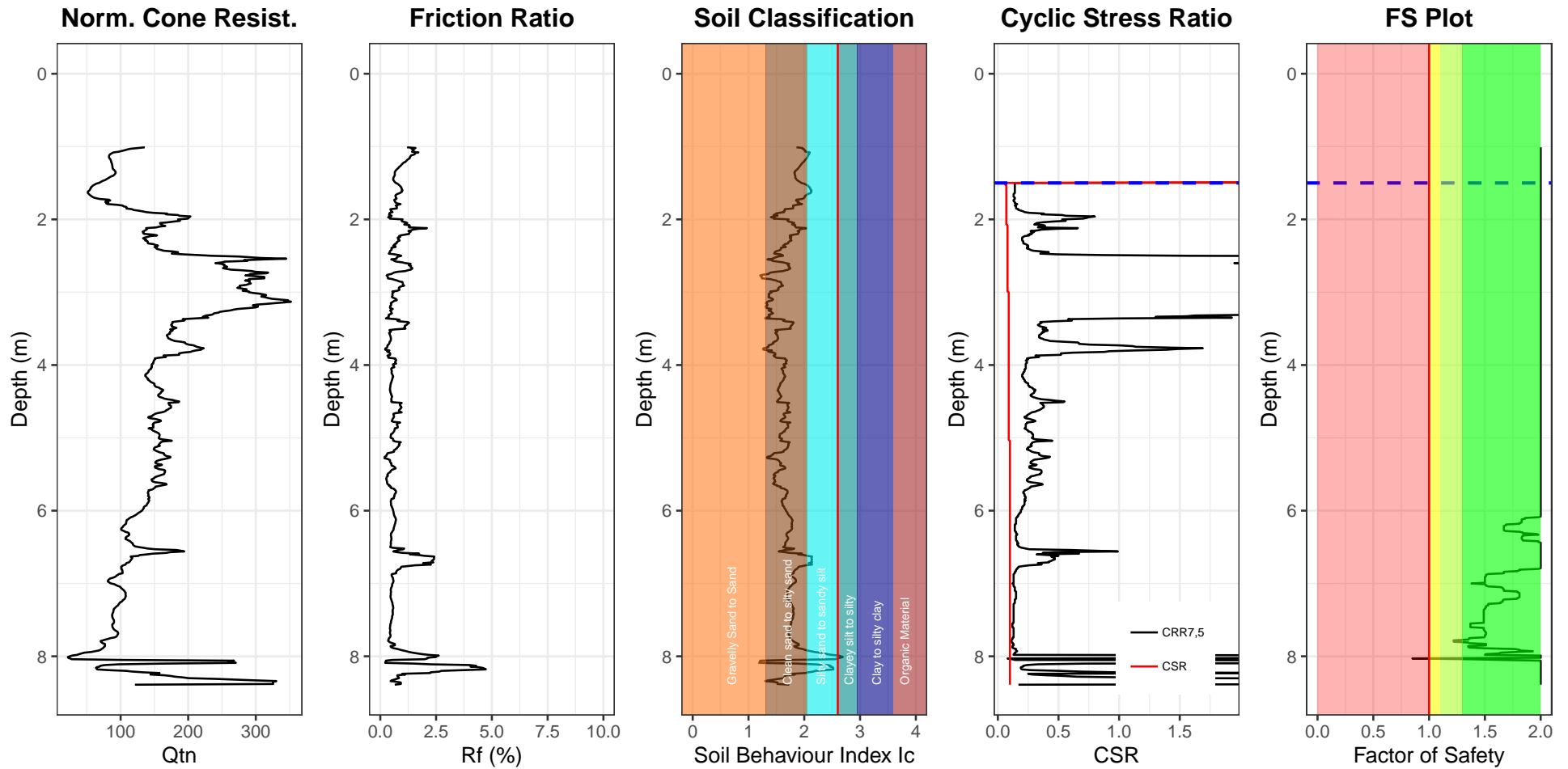
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620186 , 5428667

Raw Data Plots - CPT_115933



CPT_115933



Outputs for CPT_115933:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

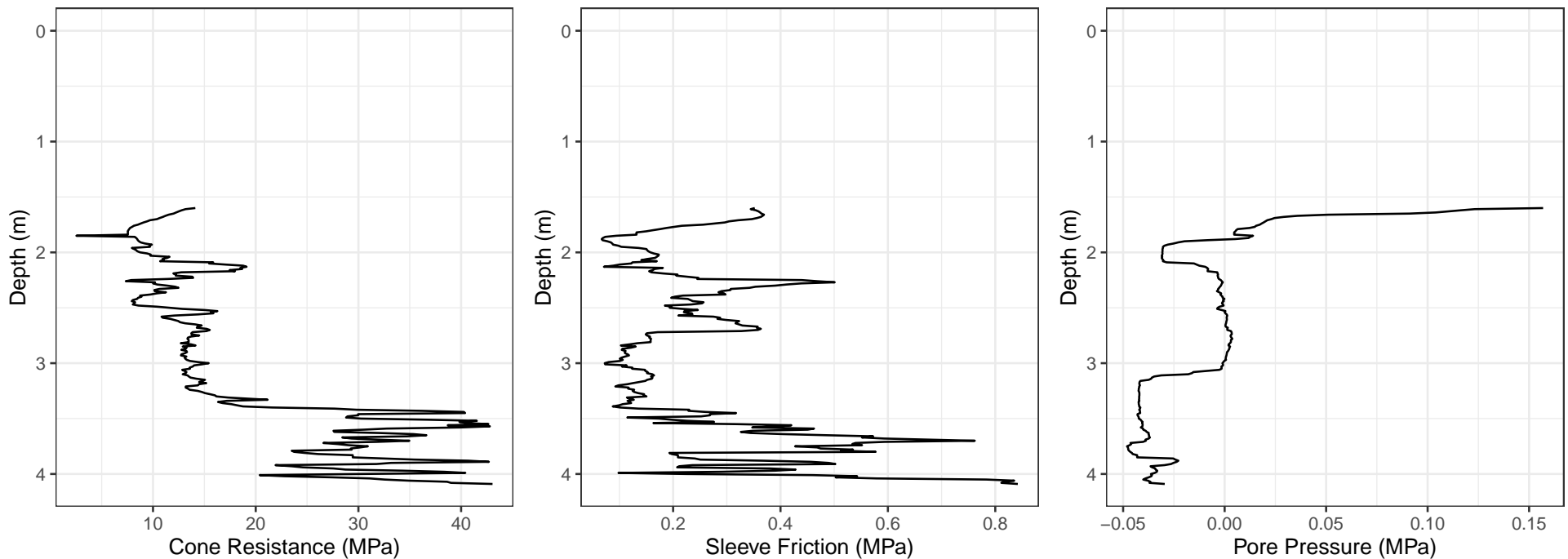
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

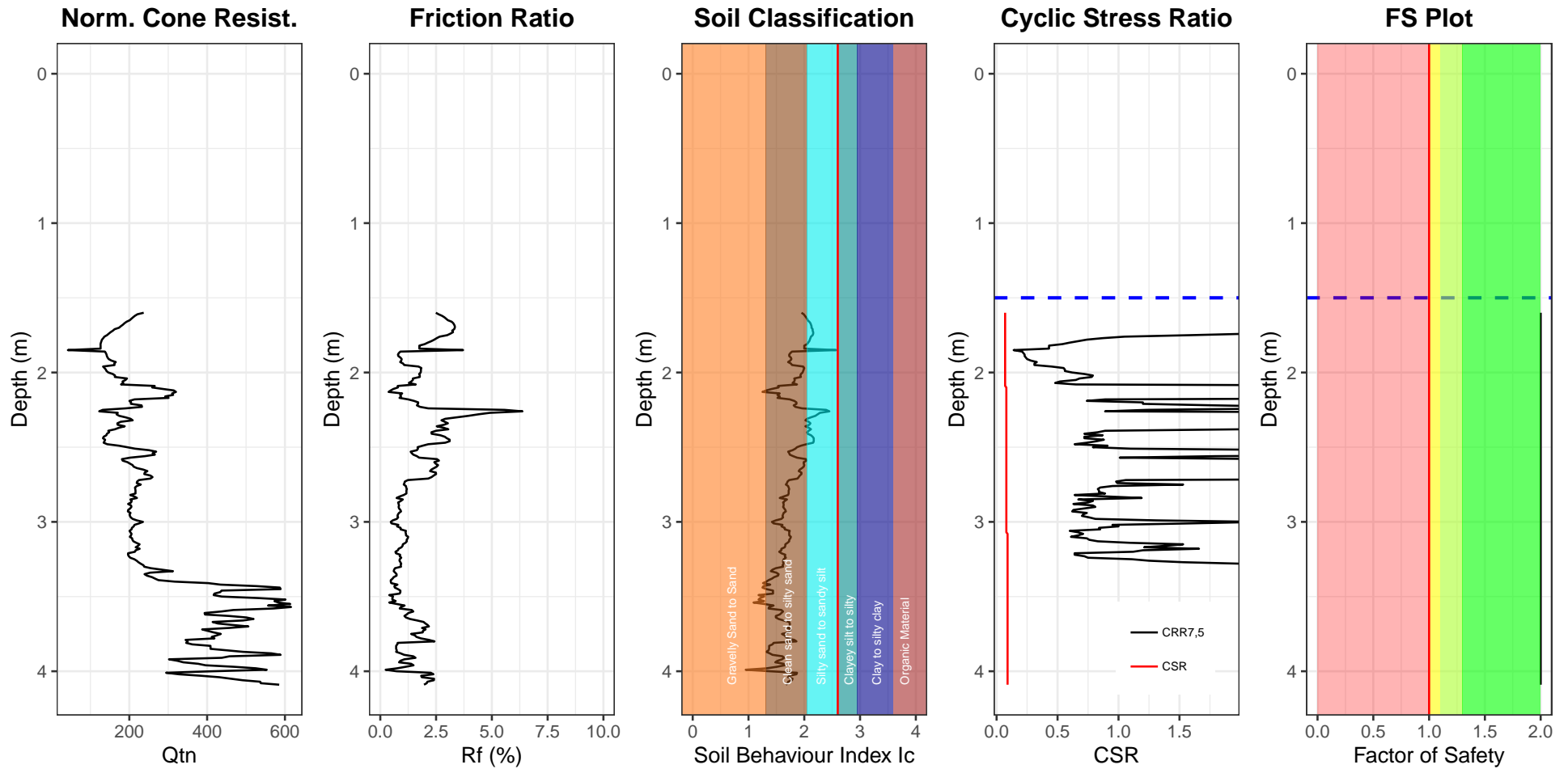
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.6
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620236 , 5428661

Raw Data Plots - CPT_115934



CPT_115934



Outputs for CPT_115934:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

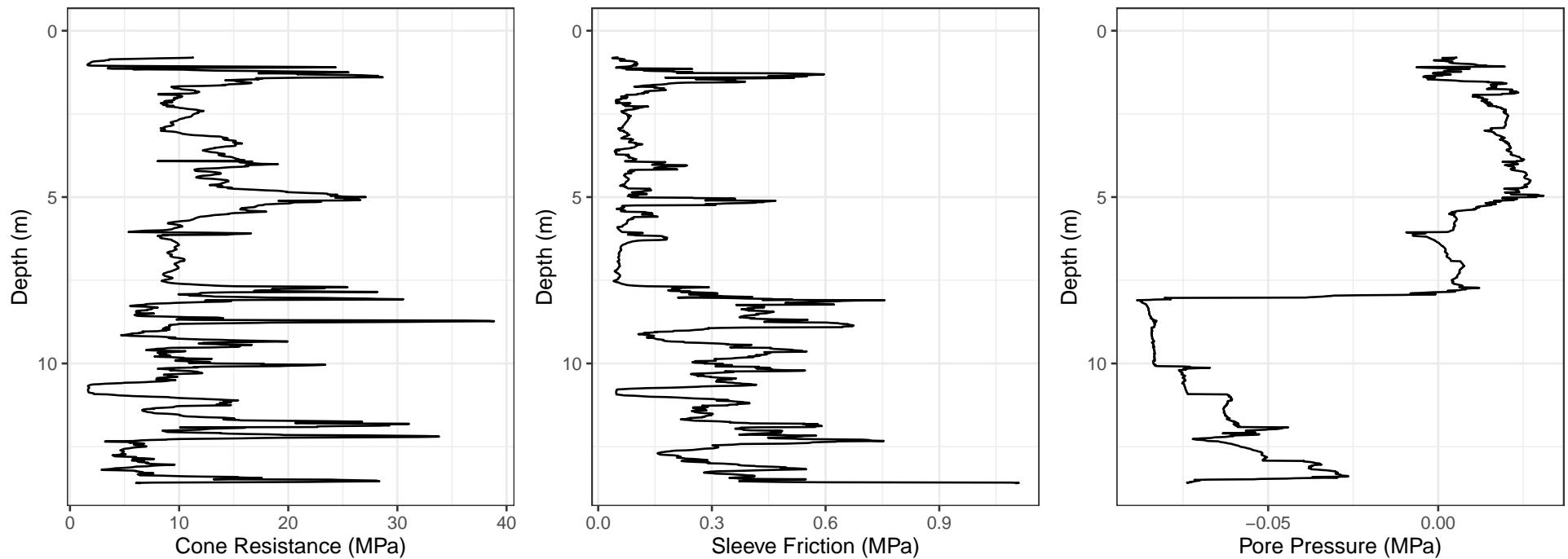
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

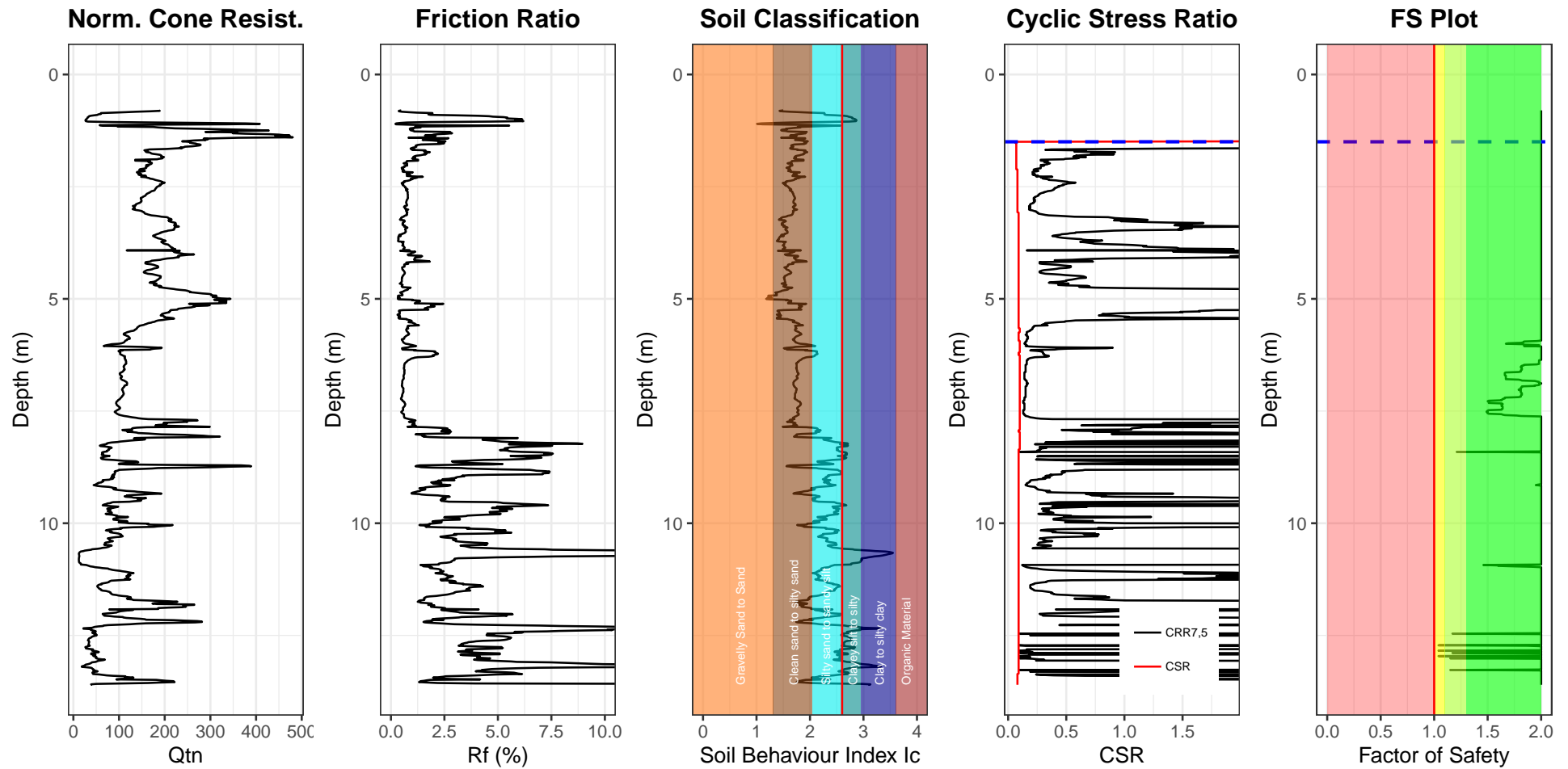
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.8
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620191 , 5428625

Raw Data Plots - CPT_115935



CPT_115935



Outputs for CPT_115935:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

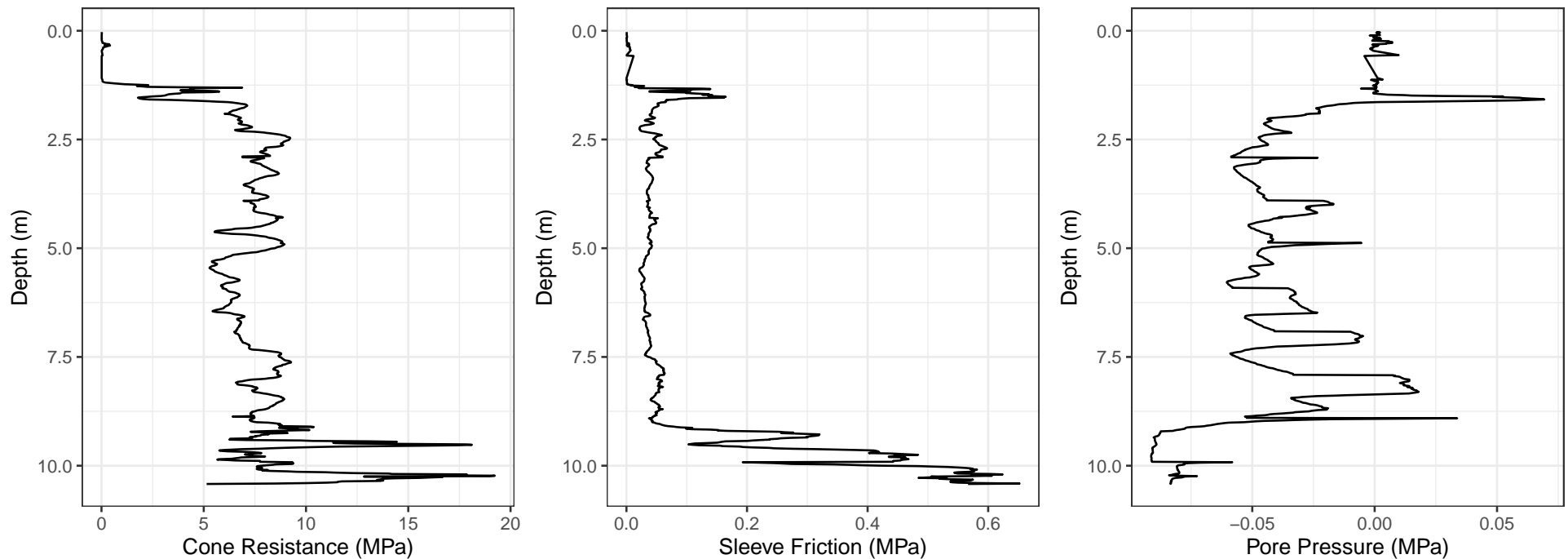
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

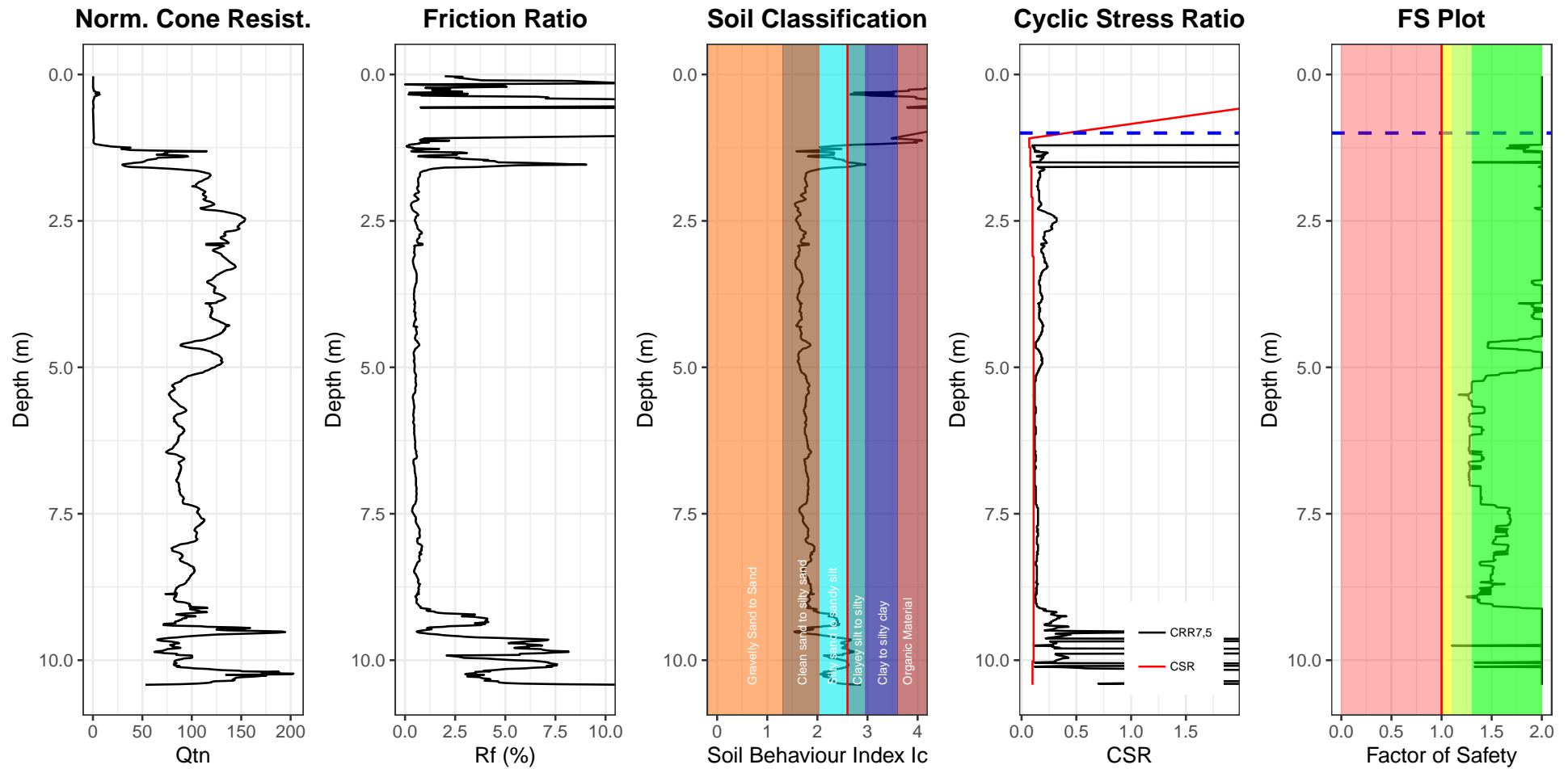
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Assumed
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619577 , 5428012

Raw Data Plots - CPT_121436



CPT_121436



Outputs for CPT_121436:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
5	0	1

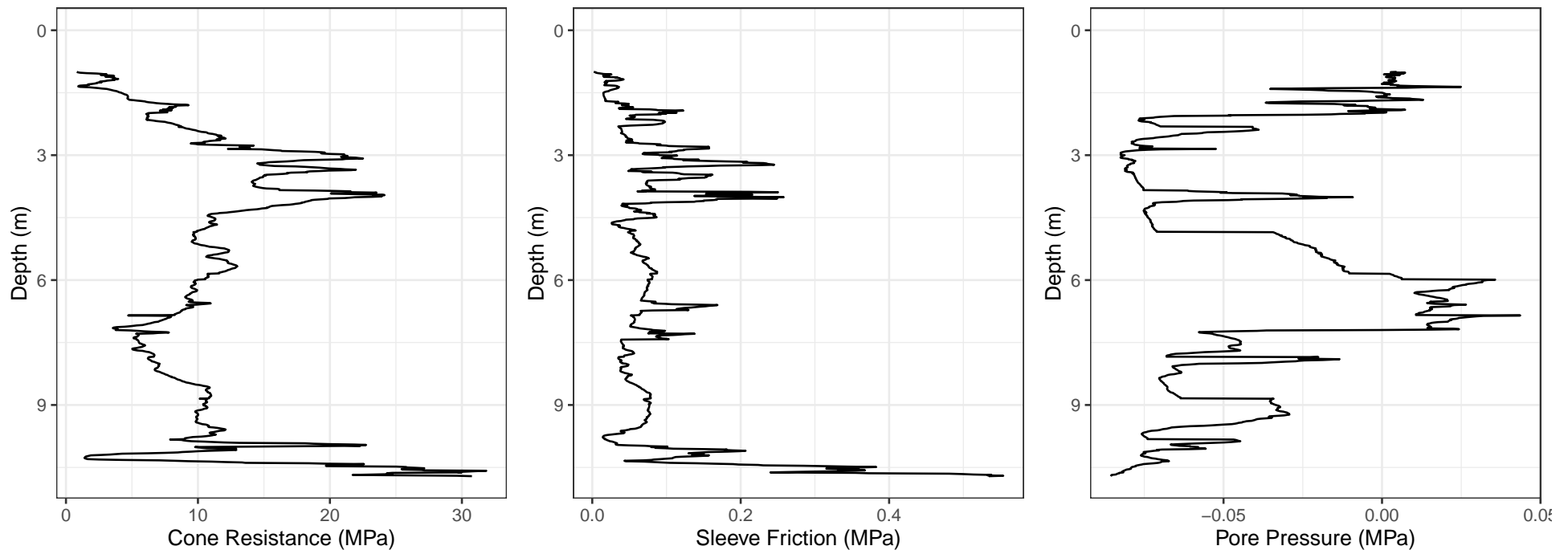
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

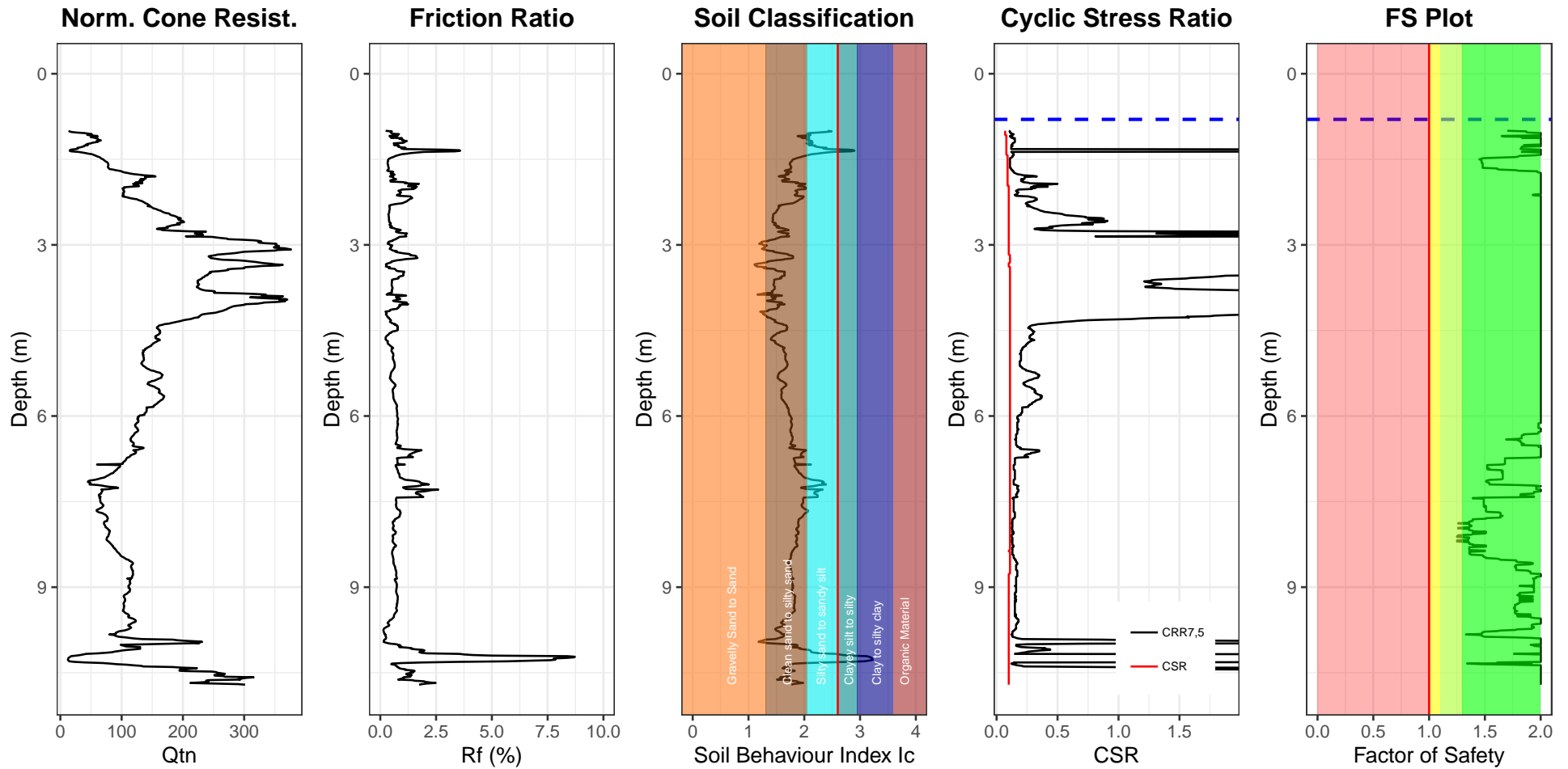
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620067 , 5428772

Raw Data Plots - CPT_121437



CPT_121437



Outputs for CPT_121437:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

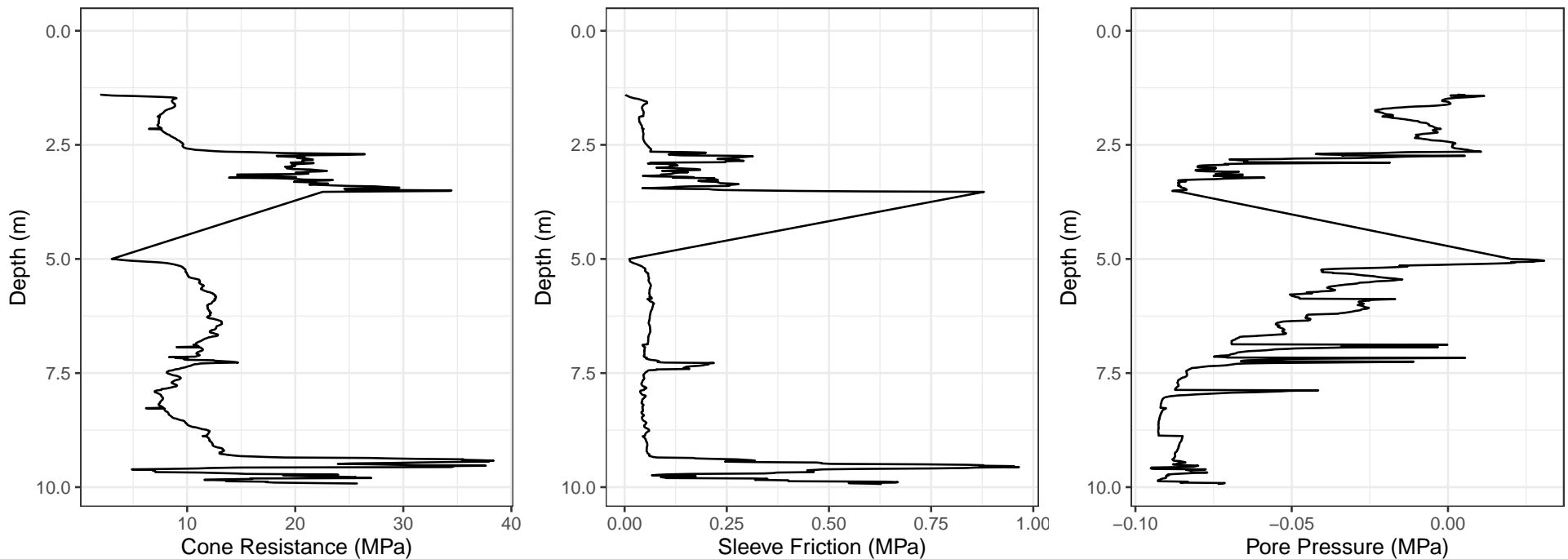
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

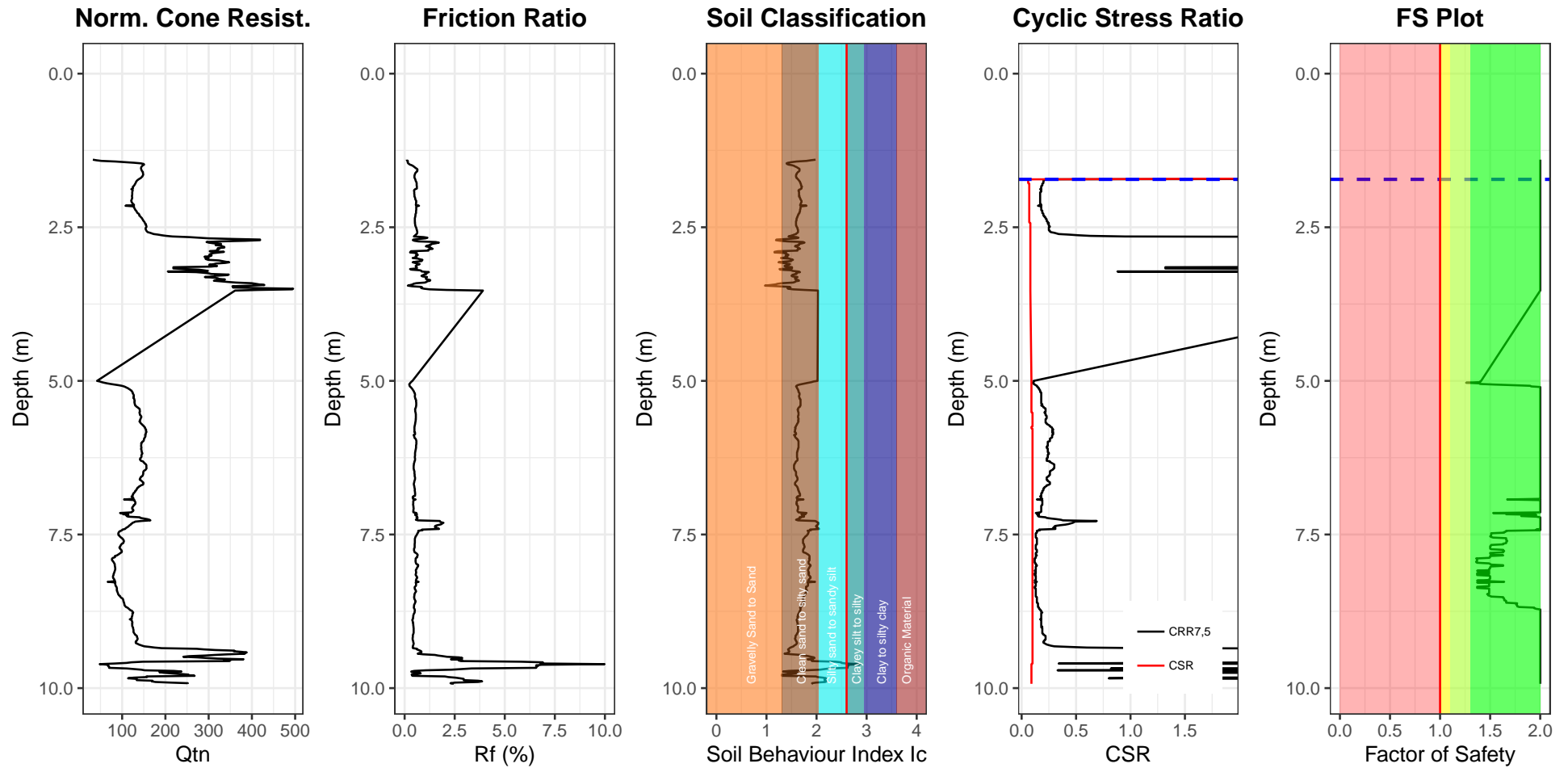
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.72
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620095 , 5428746

Raw Data Plots - CPT_121438



CPT_121438



Outputs for CPT_121438:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

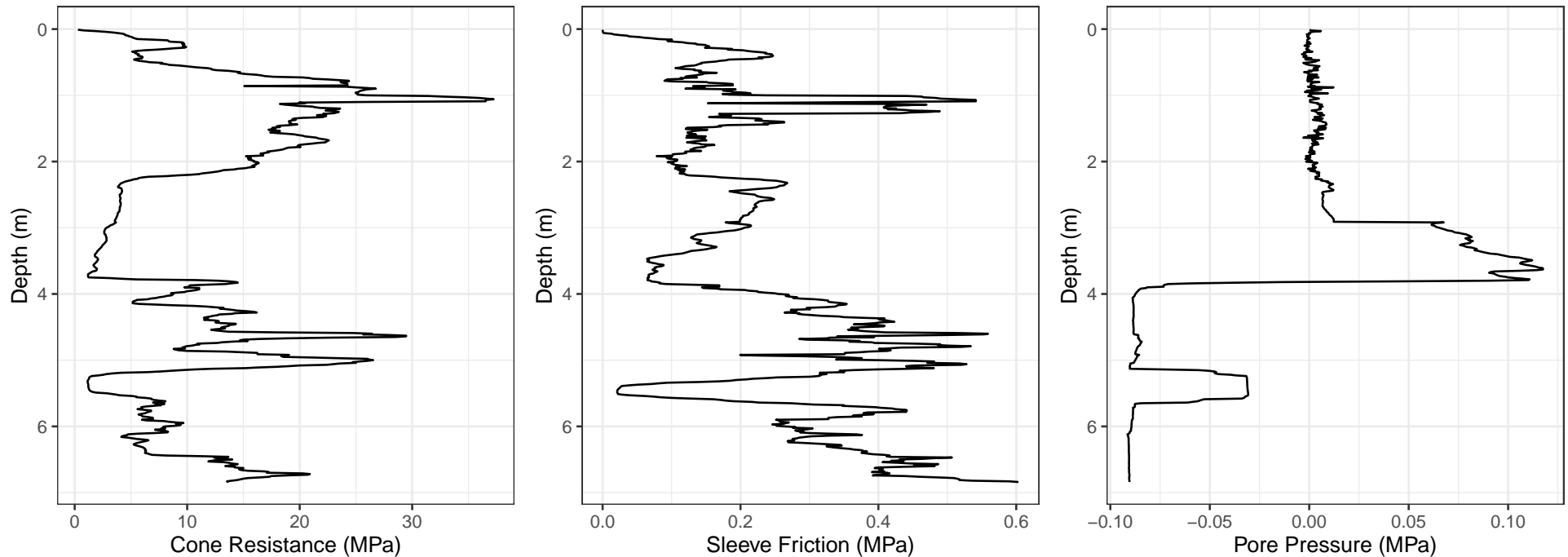
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

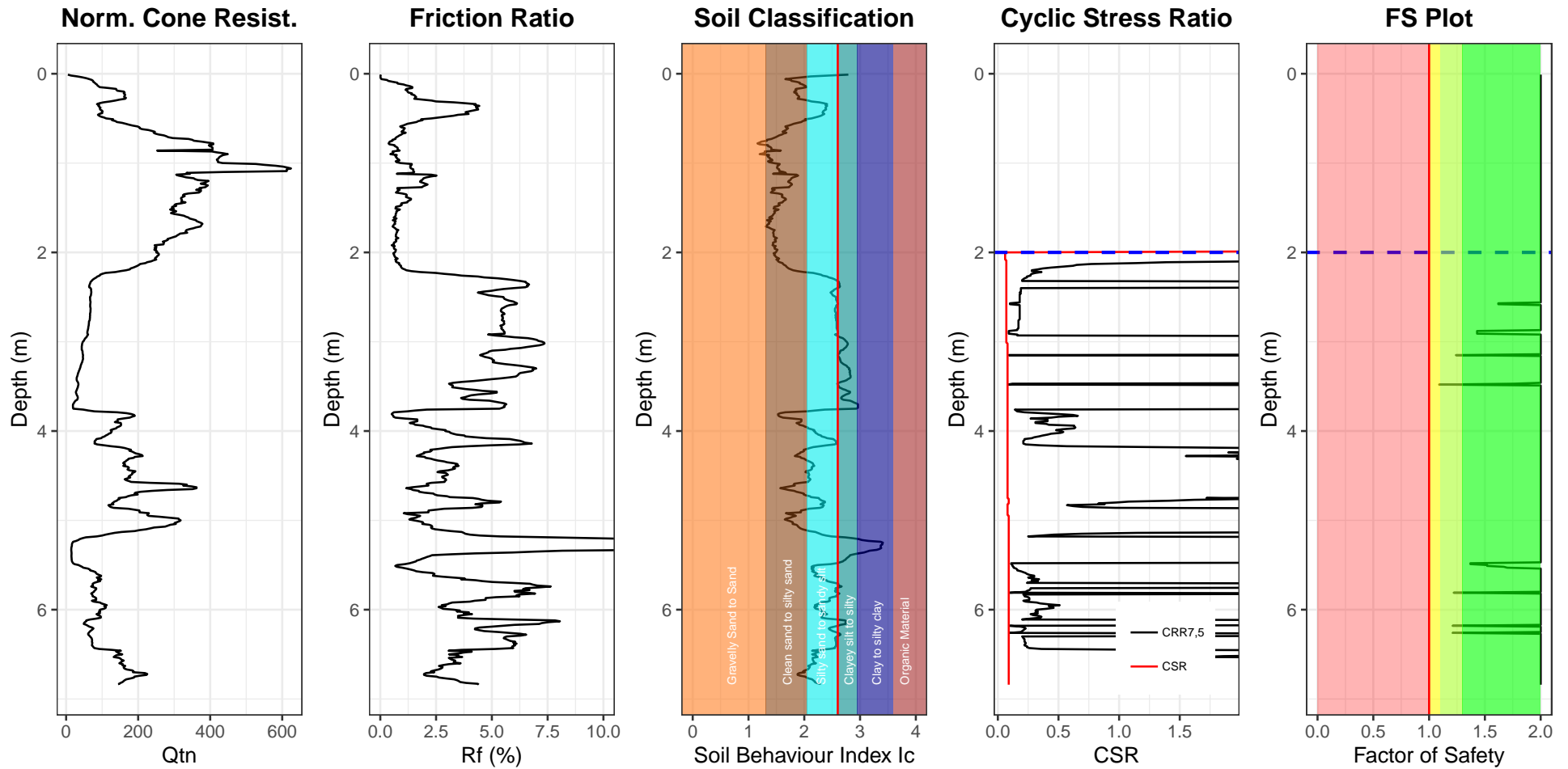
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619671 , 5427609

Raw Data Plots - CPT_121492



CPT_121492



Outputs for CPT_121492:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

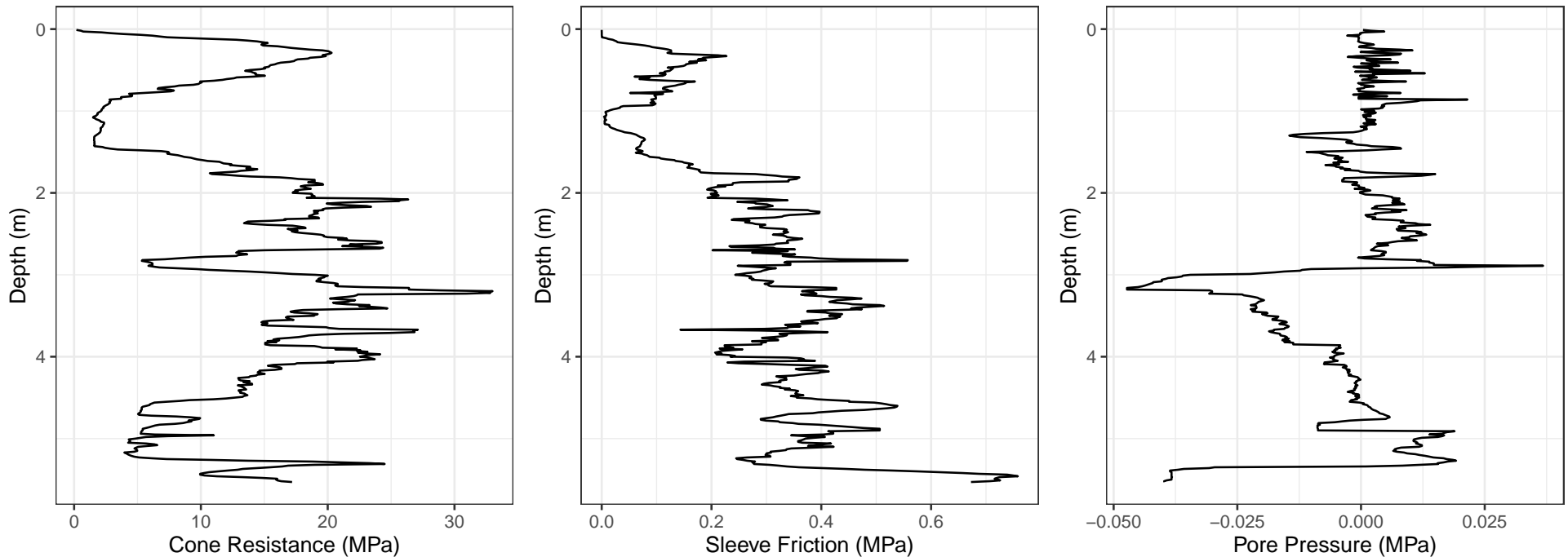
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

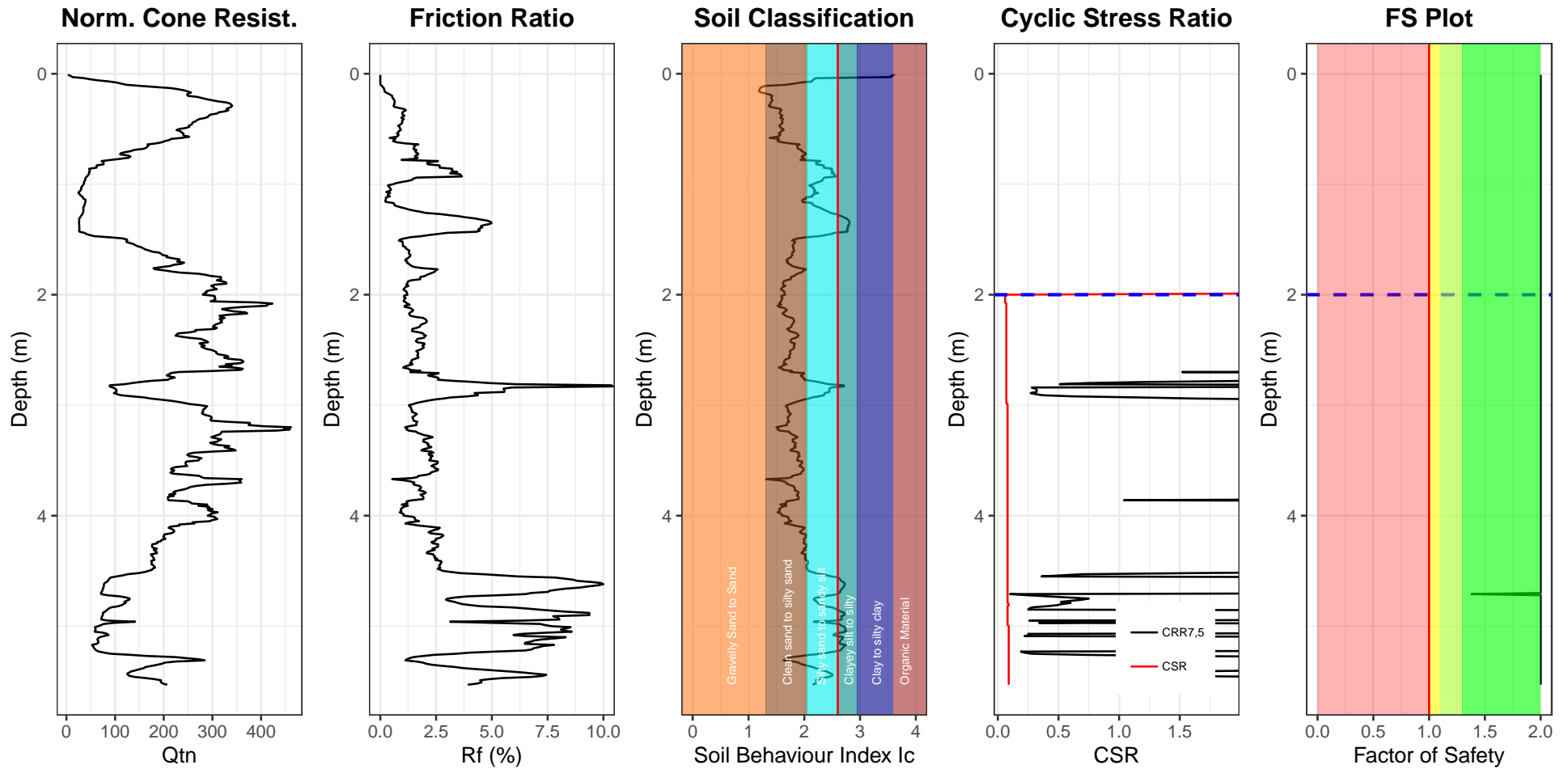
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619642 , 5427638

Raw Data Plots - CPT_121493



CPT_121493



Outputs for CPT_121493:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

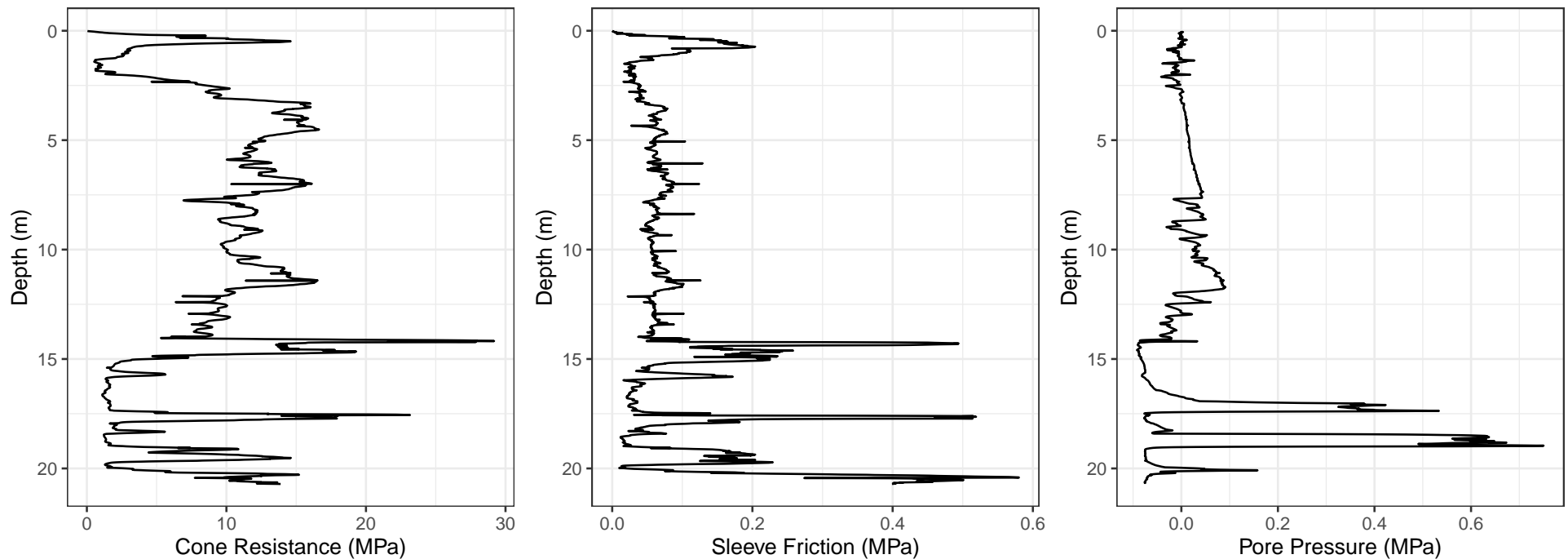
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

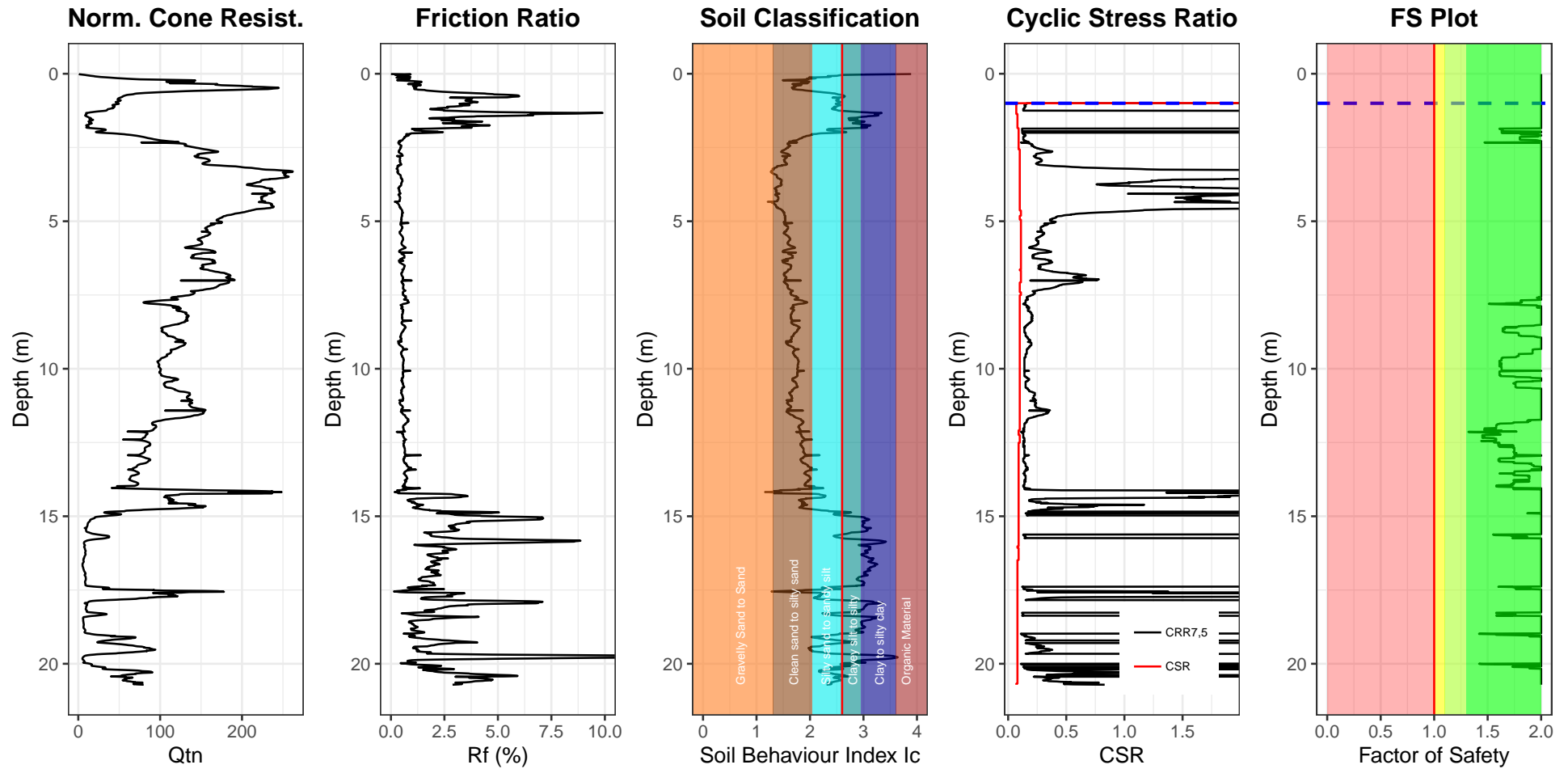
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619744 , 5429260

Raw Data Plots - CPT_128472



CPT_128472



Outputs for CPT_128472:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

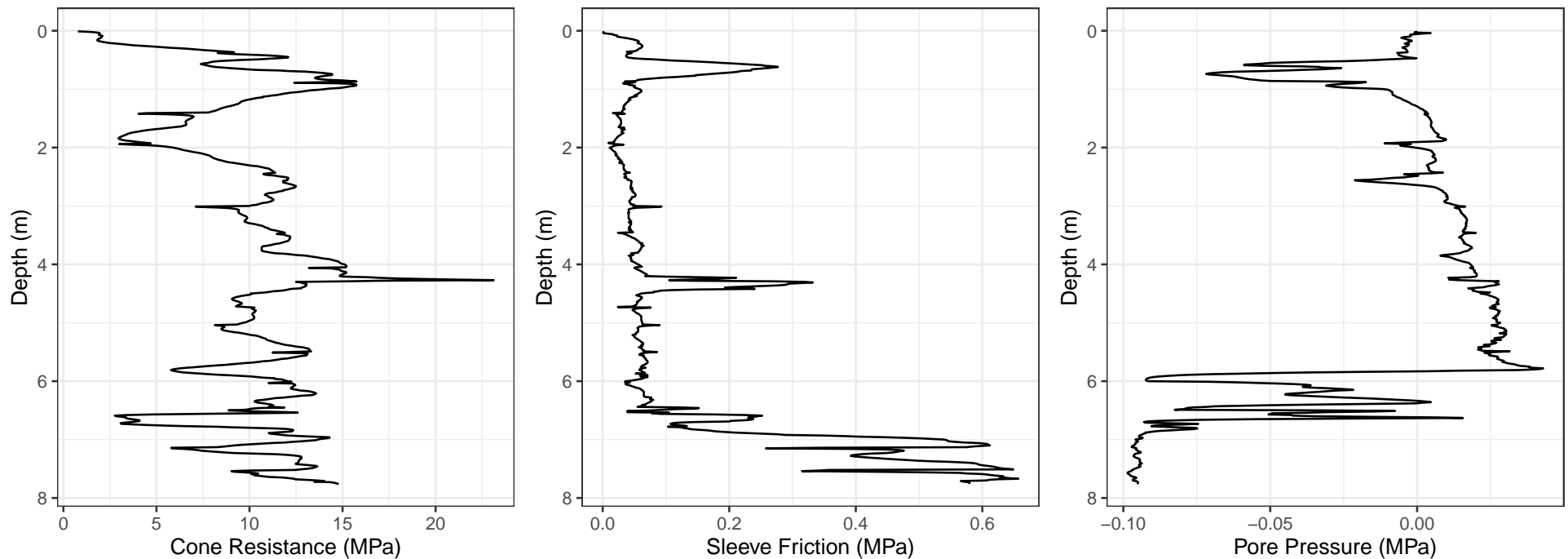
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

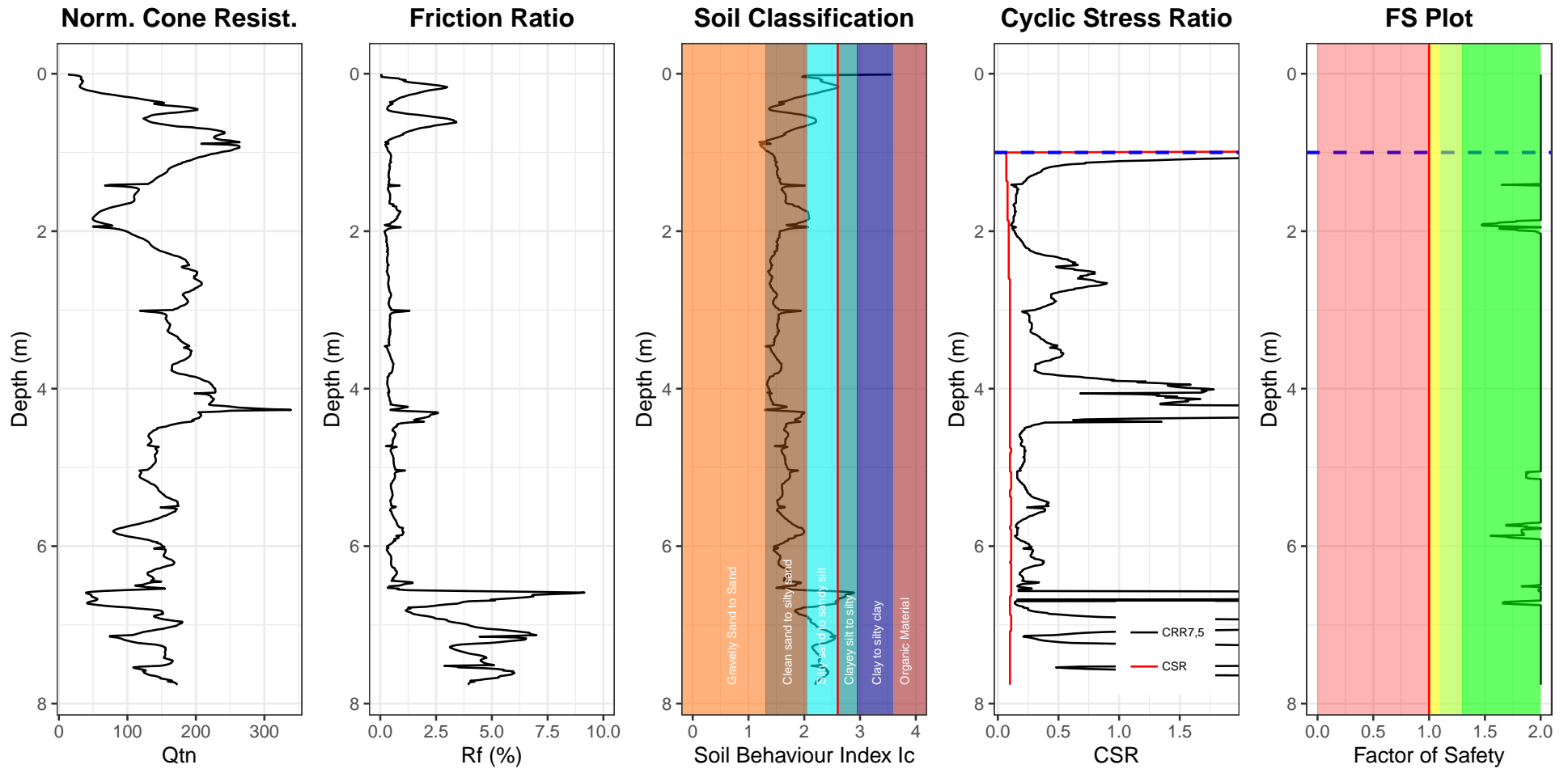
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619738 , 5429254

Raw Data Plots - CPT_128473



CPT_128473



Outputs for CPT_128473:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

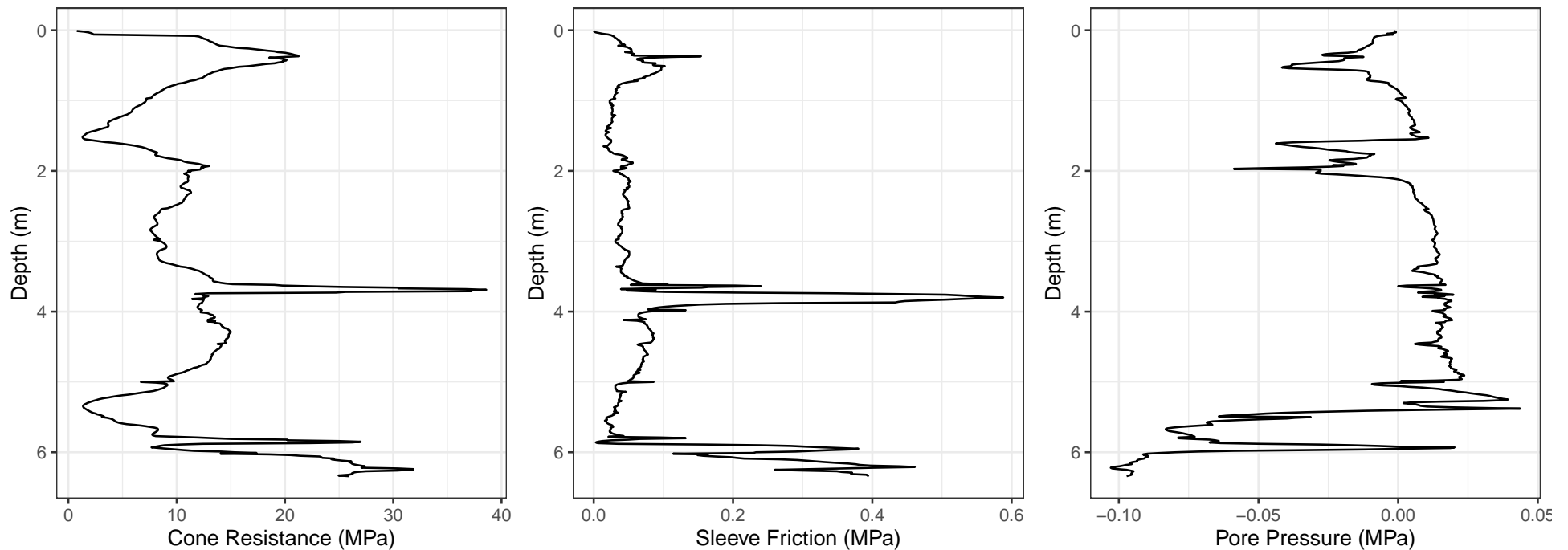
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

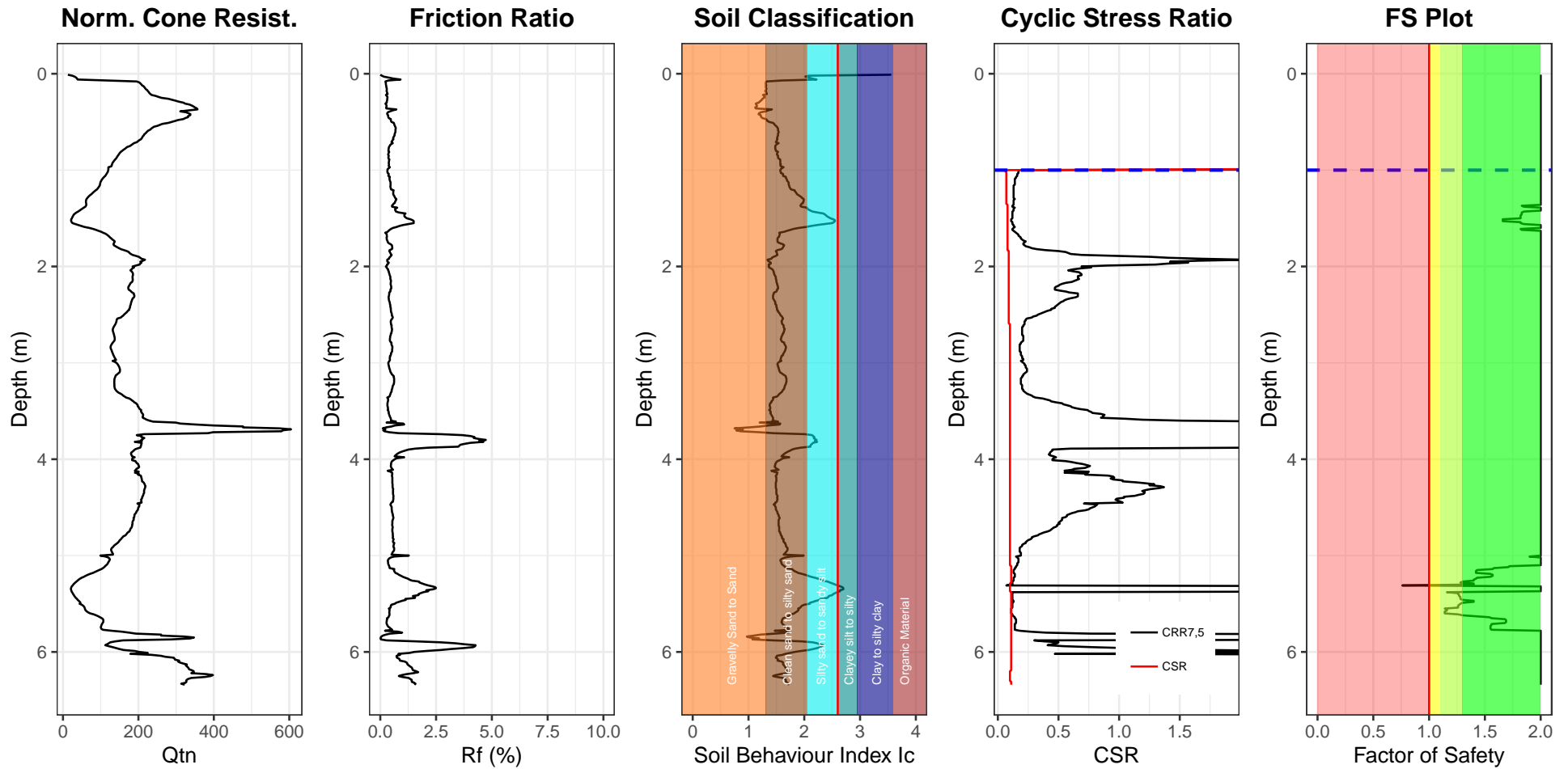
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620594 , 5429853

Raw Data Plots - CPT_128474



CPT_128474



Outputs for CPT_128474:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
2	0	0

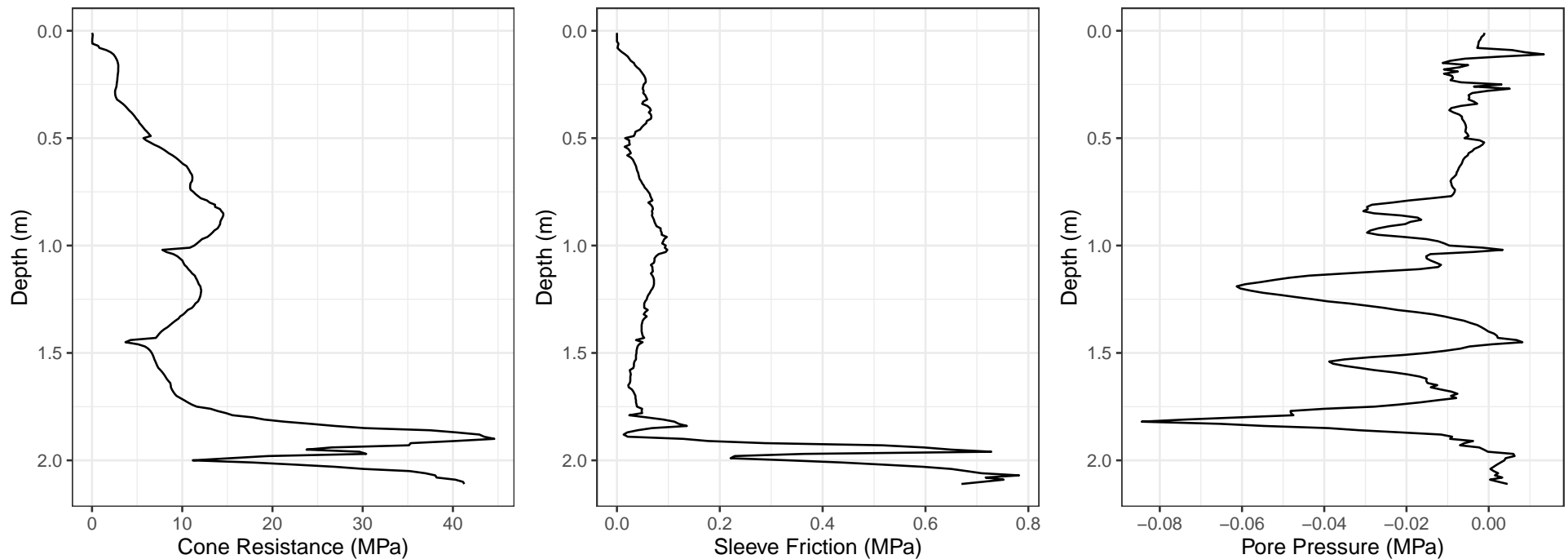
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

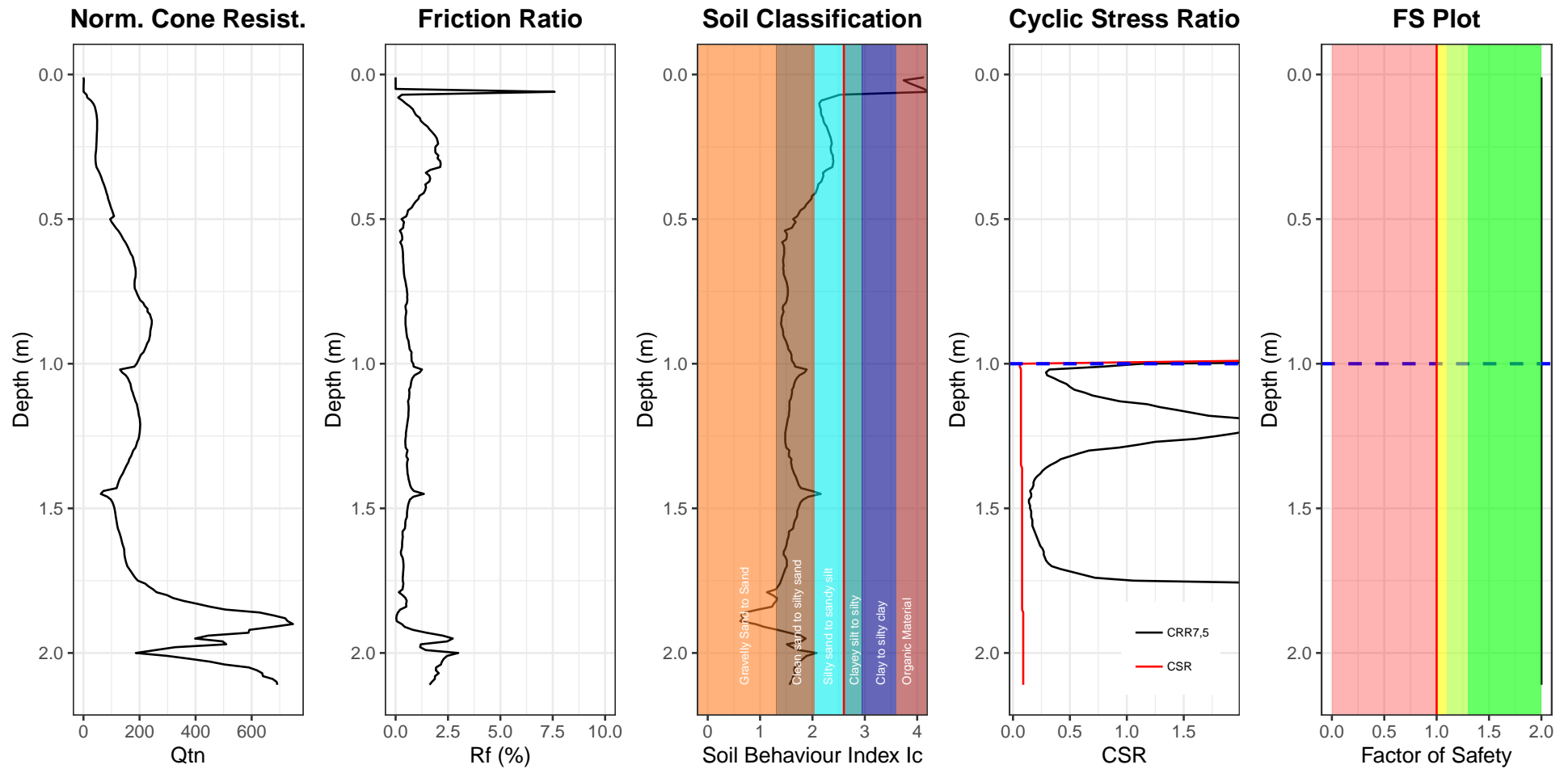
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620591 , 5429856

Raw Data Plots - CPT_128475



CPT_128475



Outputs for CPT_128475:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

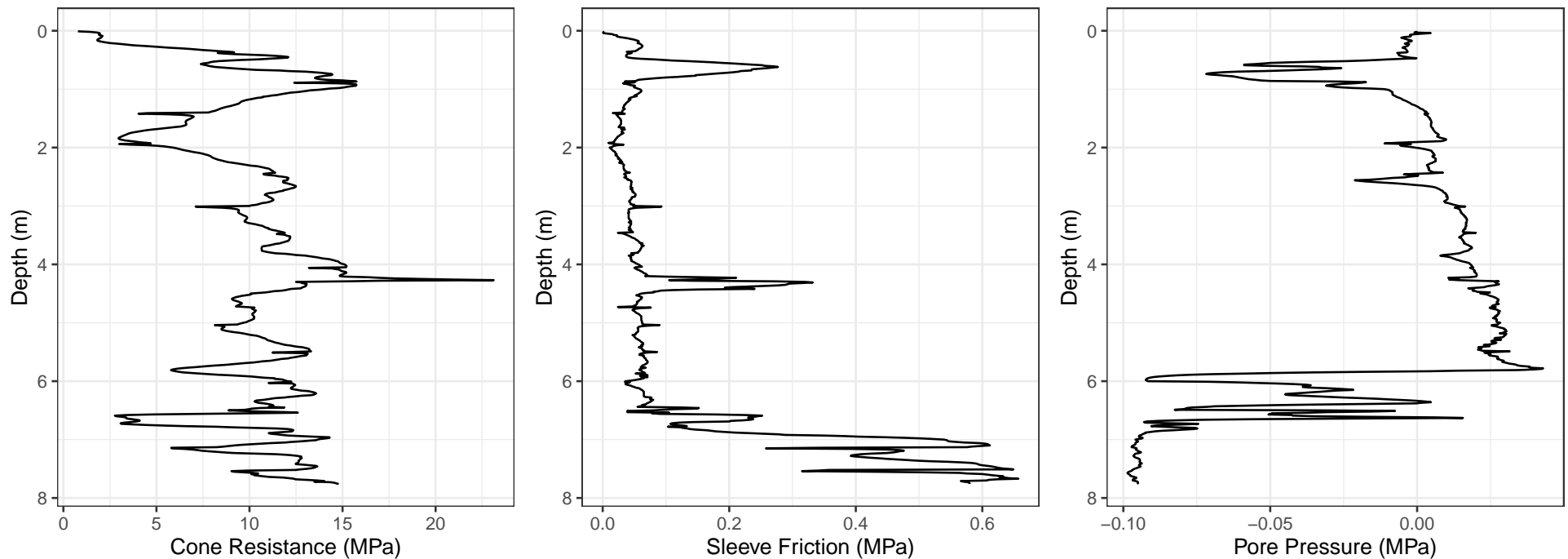
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

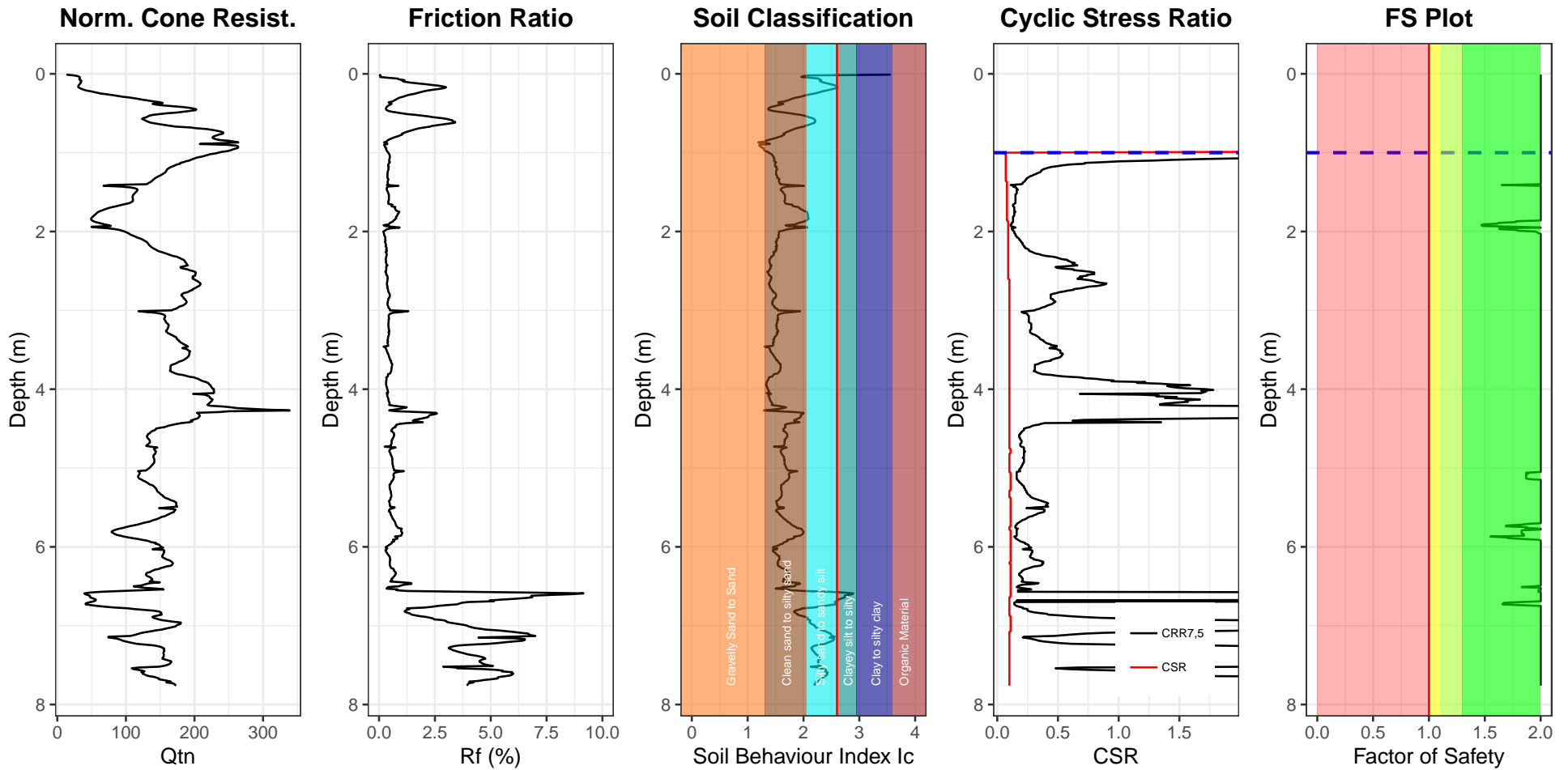
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620583 , 5429872

Raw Data Plots - CPT_128476



CPT_128476



Outputs for CPT_128476:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

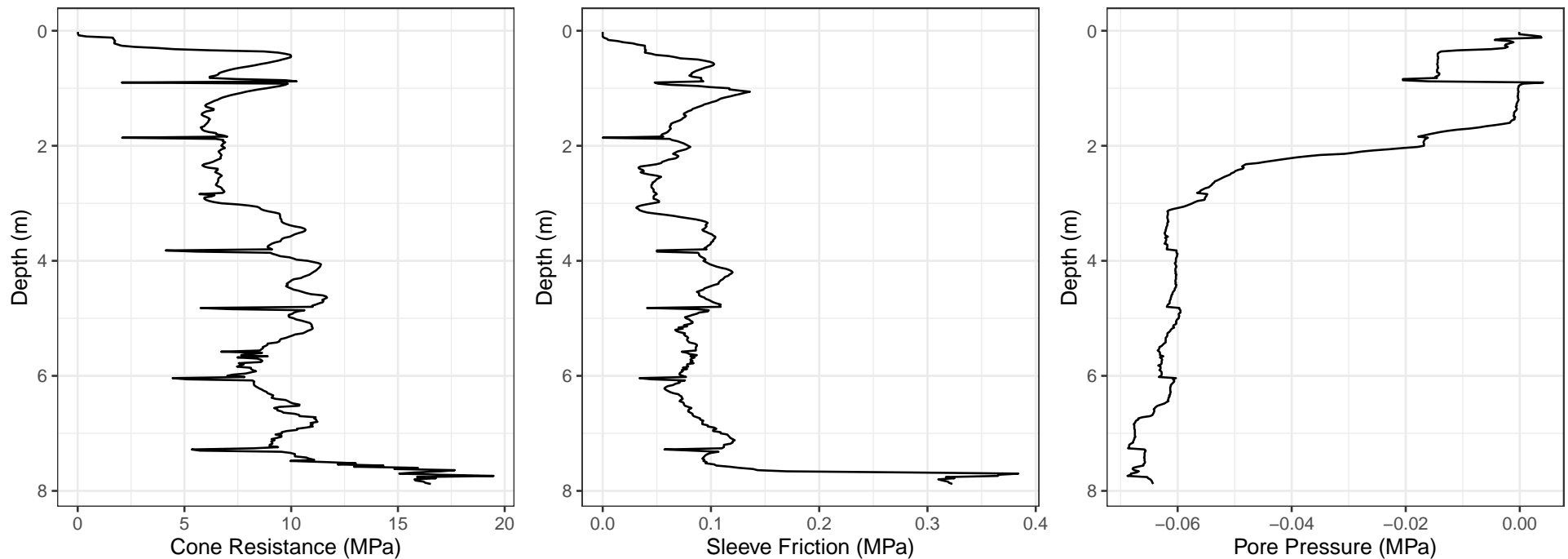
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

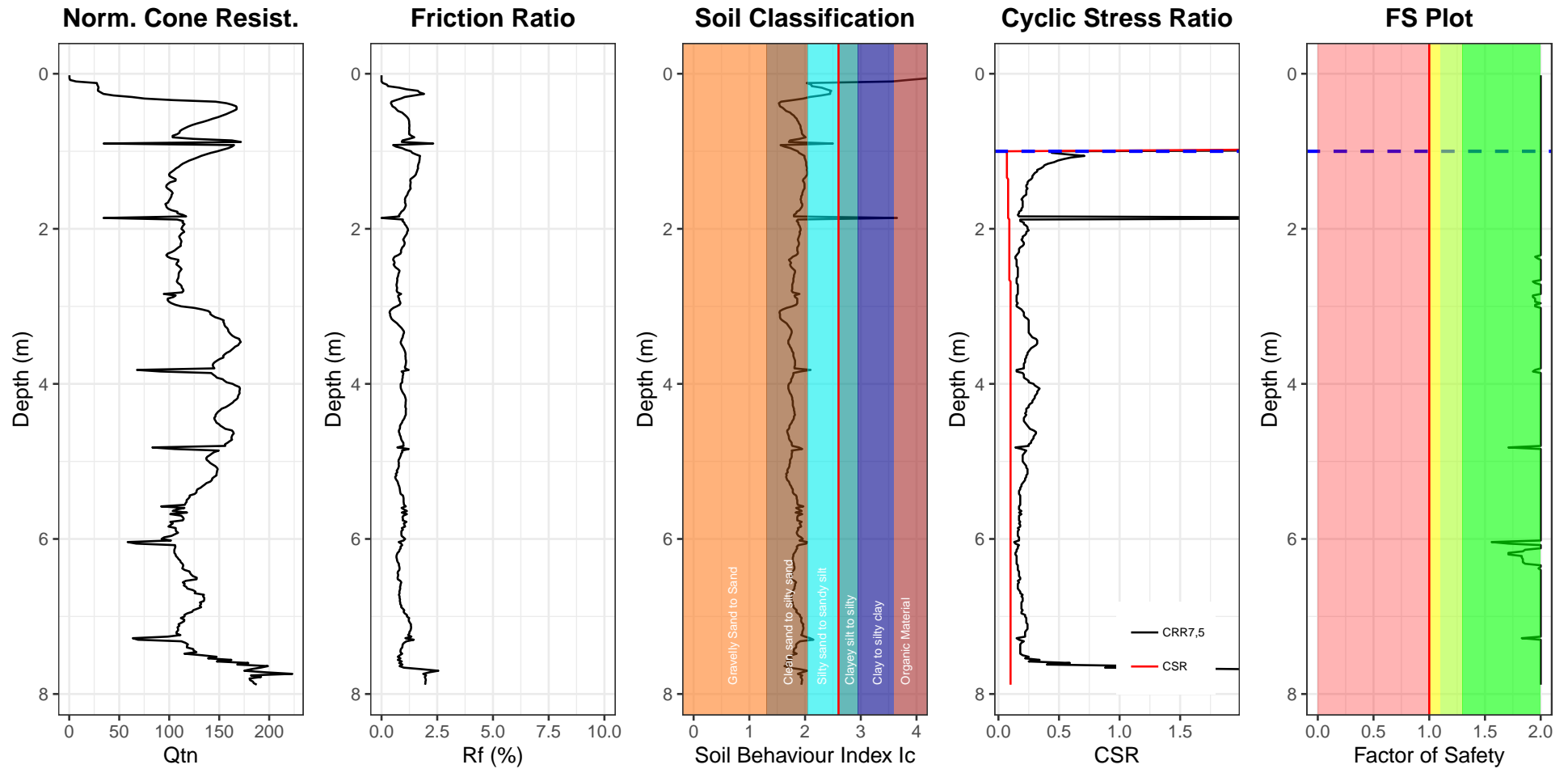
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618744 , 5427764

Raw Data Plots - CPT_128829



CPT_128829



Outputs for CPT_128829:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

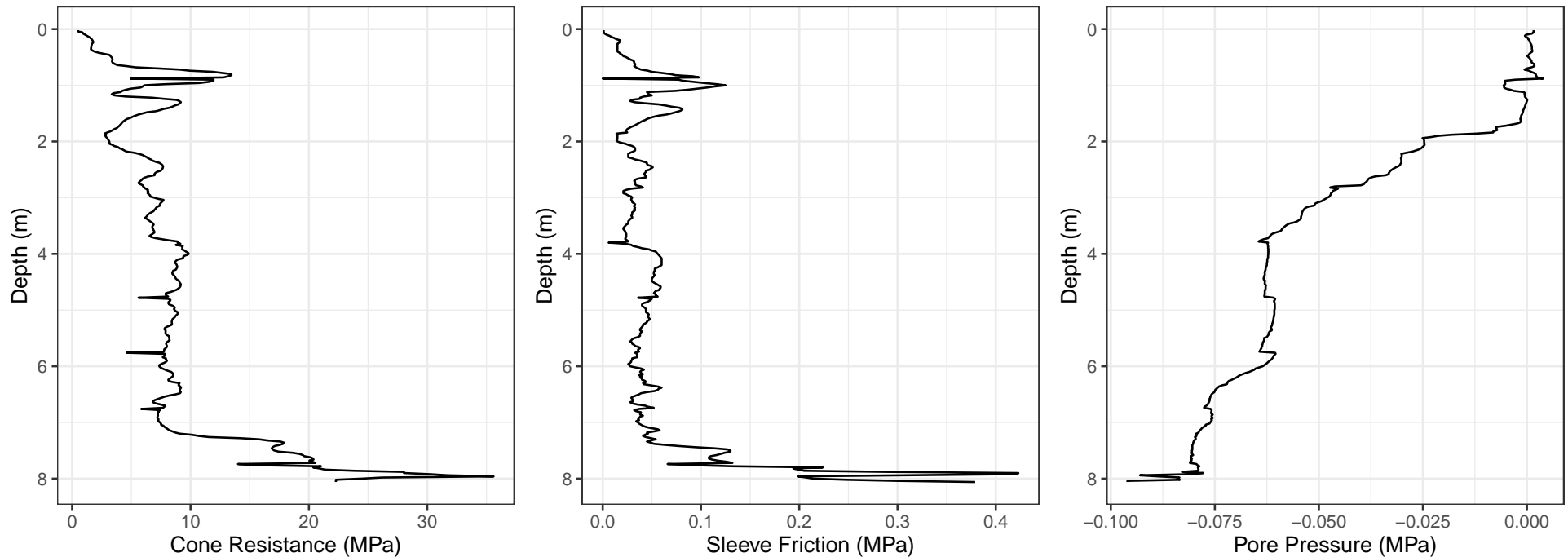
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

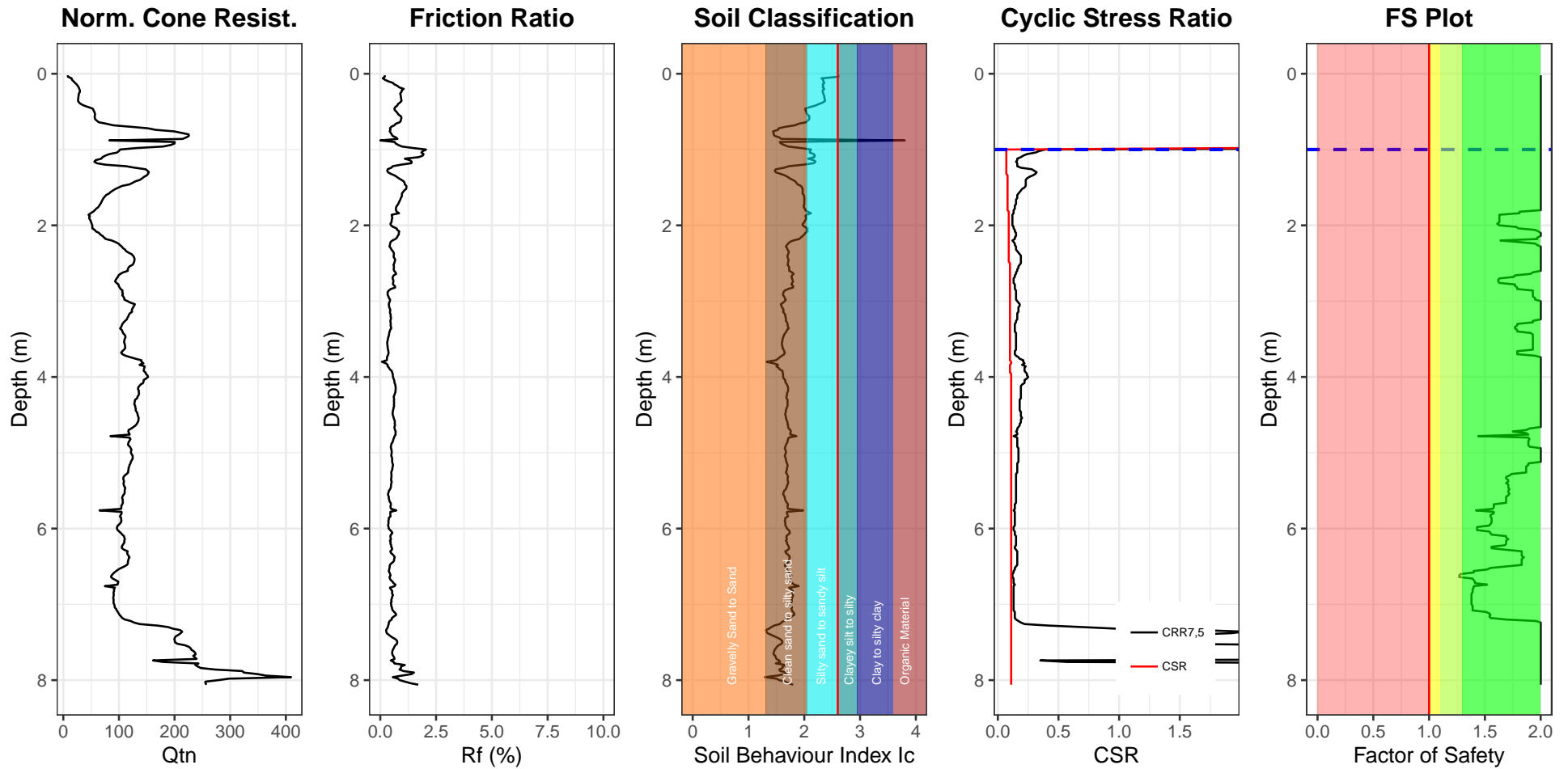
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618813 , 5427811

Raw Data Plots - CPT_128830



CPT_128830



Outputs for CPT_128830:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

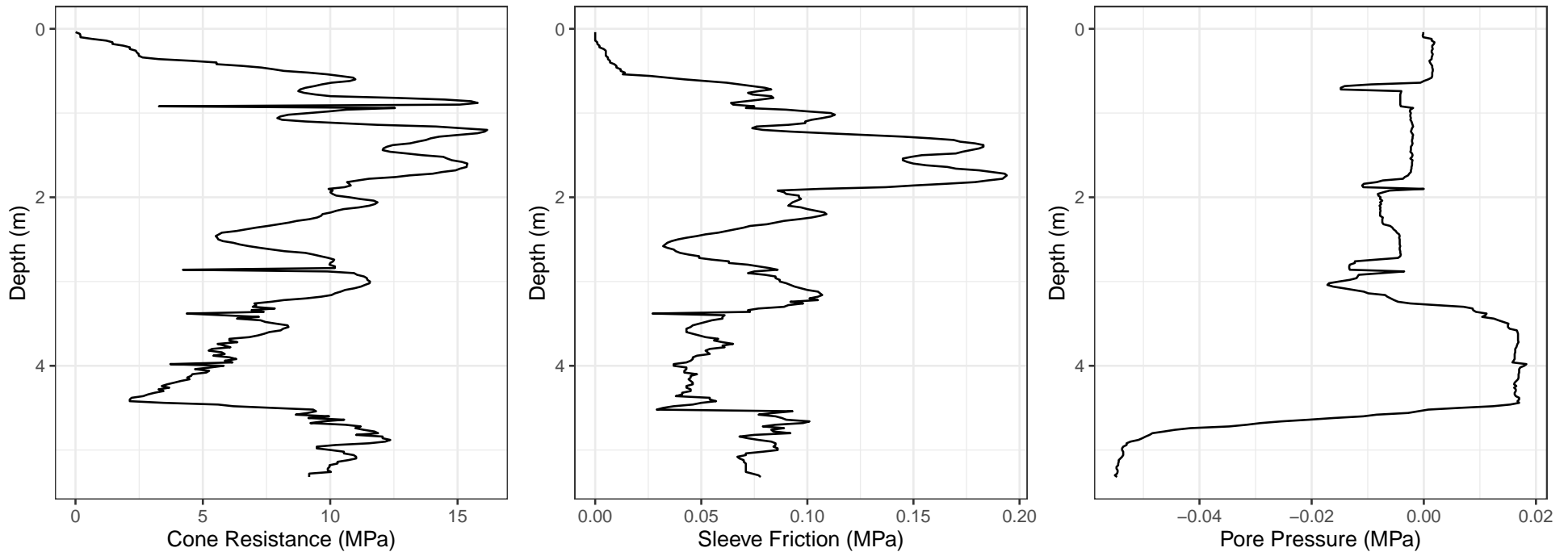
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

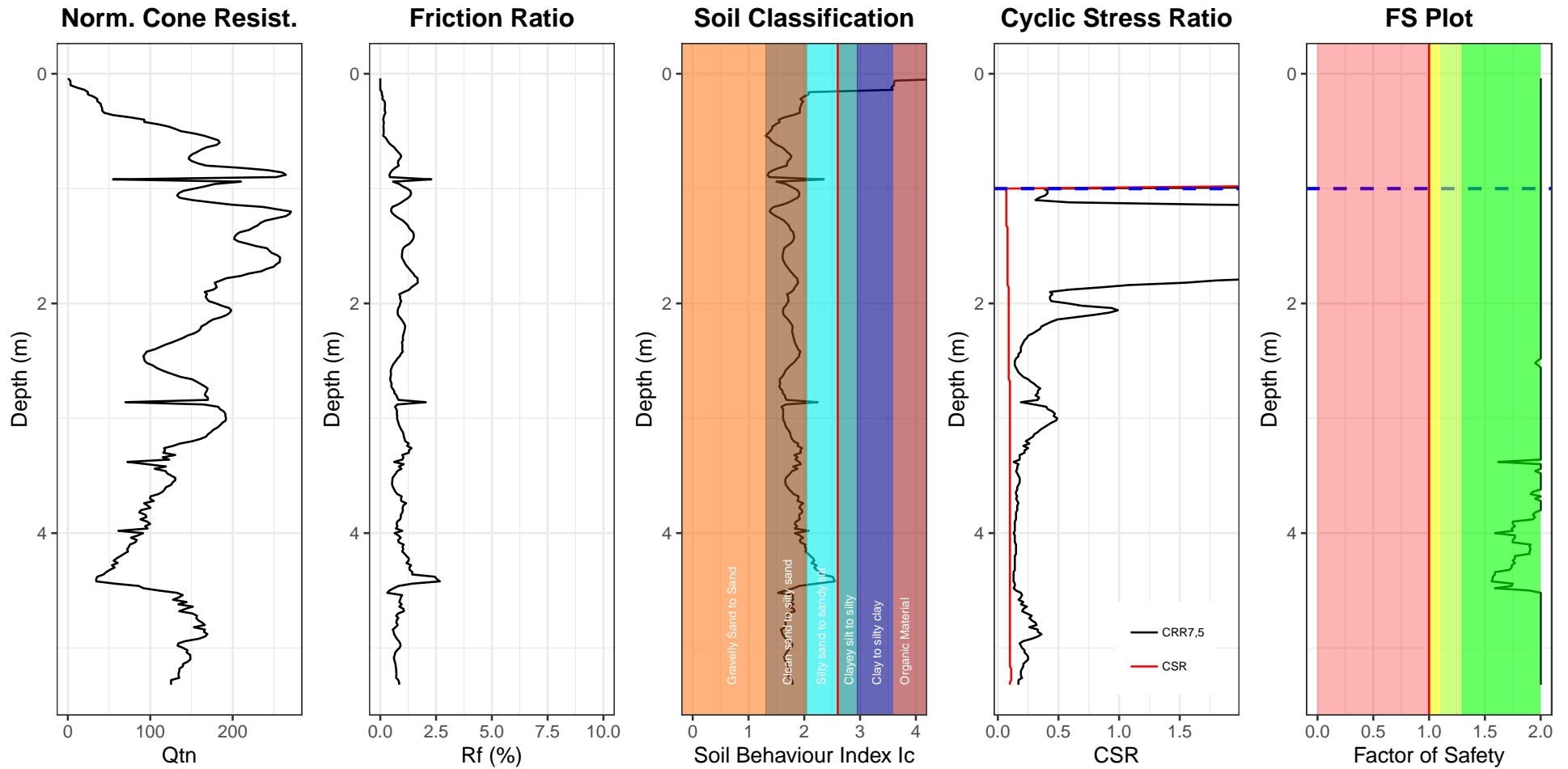
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.04
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618812 , 5427838

Raw Data Plots - CPT_128831



CPT_128831



Outputs for CPT_128831:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

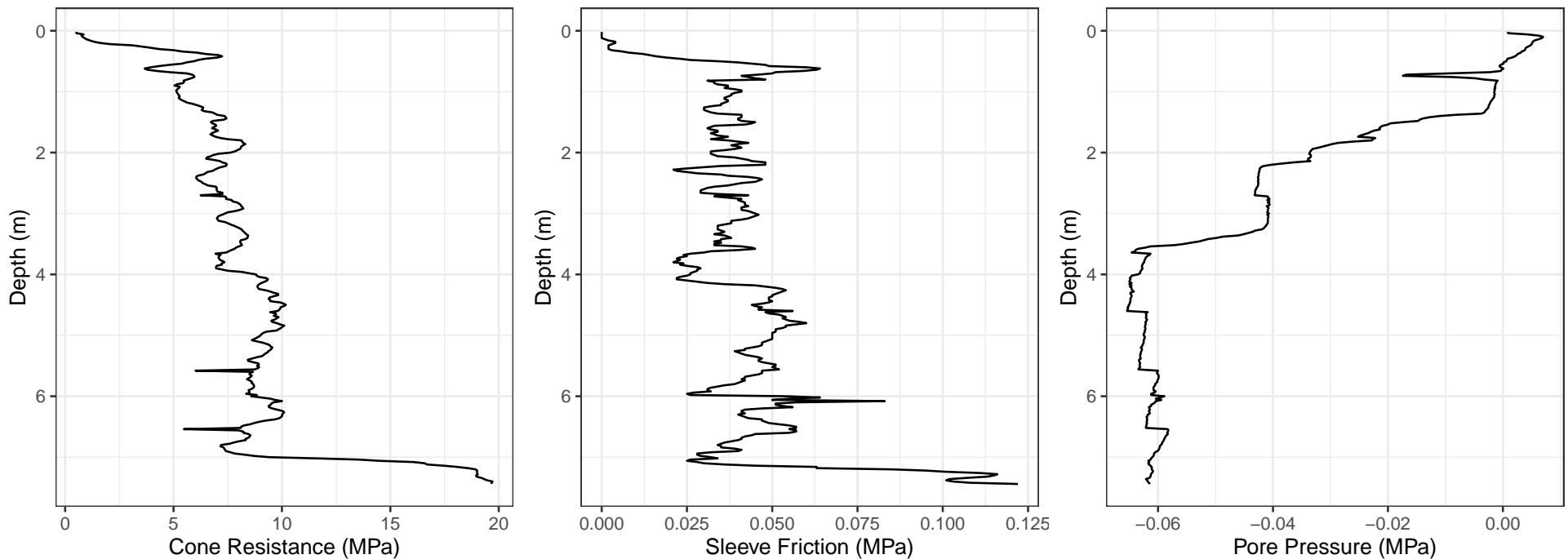
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

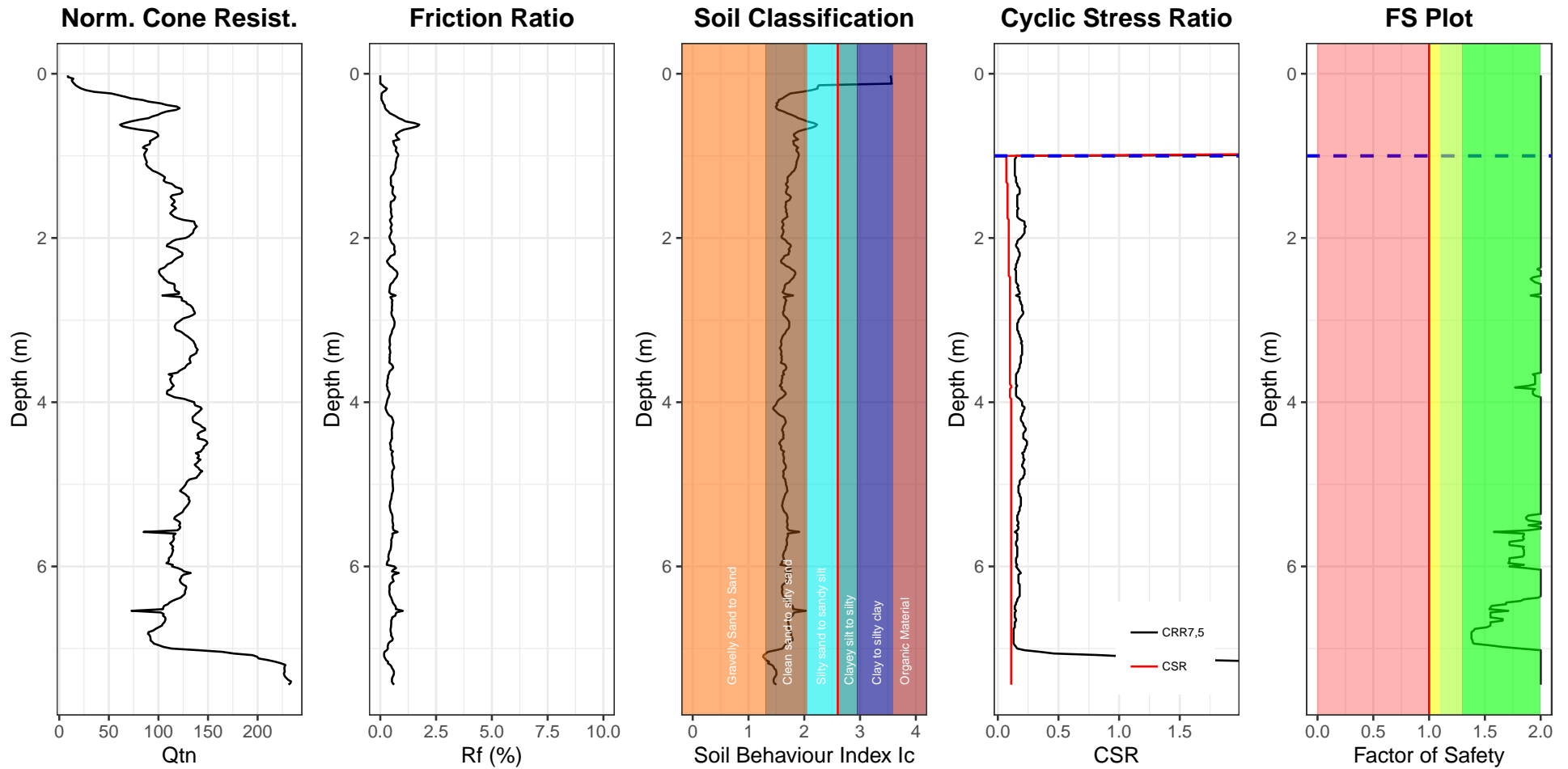
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618844 , 5427879

Raw Data Plots - CPT_128832



CPT_128832



Outputs for CPT_128832:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

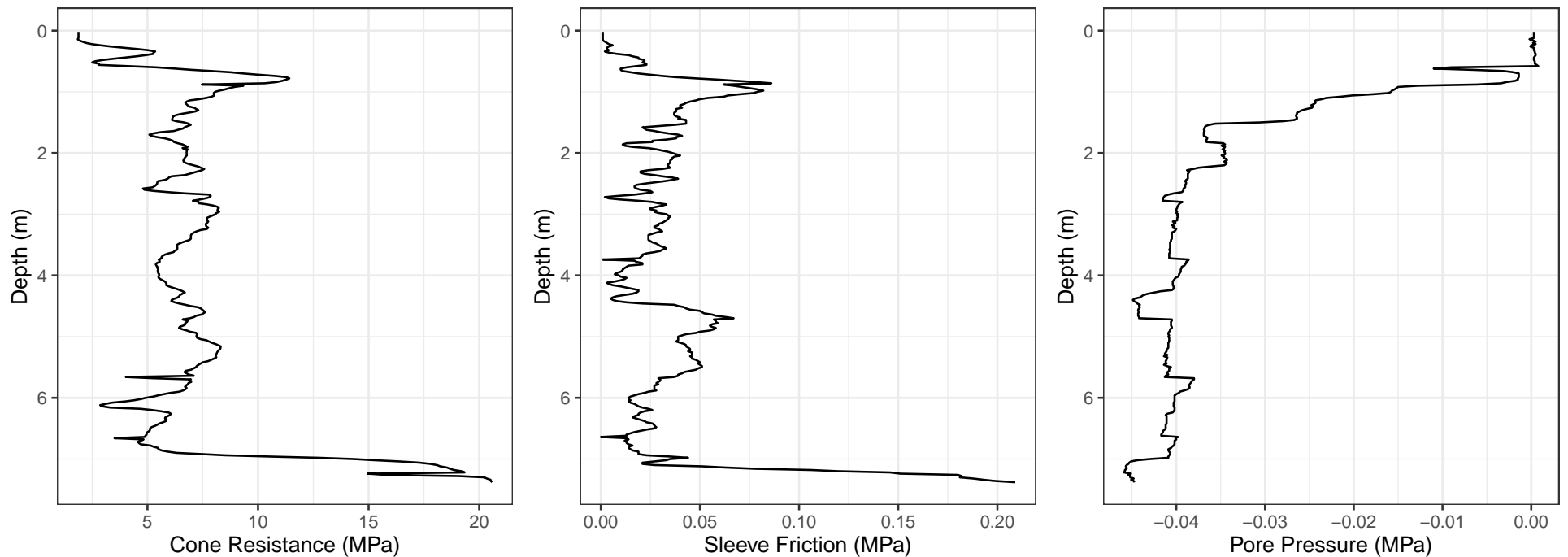
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

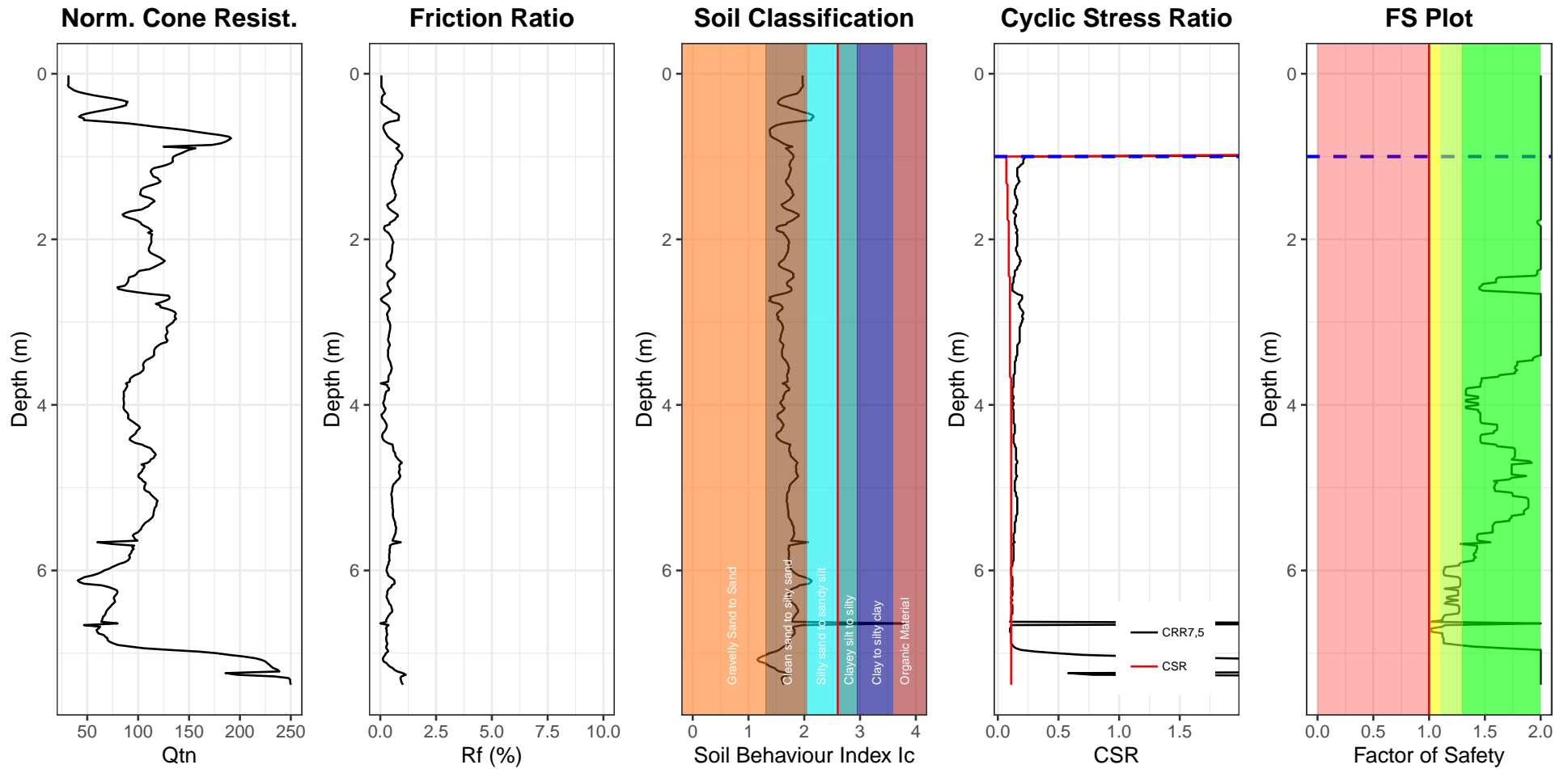
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618882 , 5427919

Raw Data Plots - CPT_128853



CPT_128853



Outputs for CPT_128853:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
6	0	1

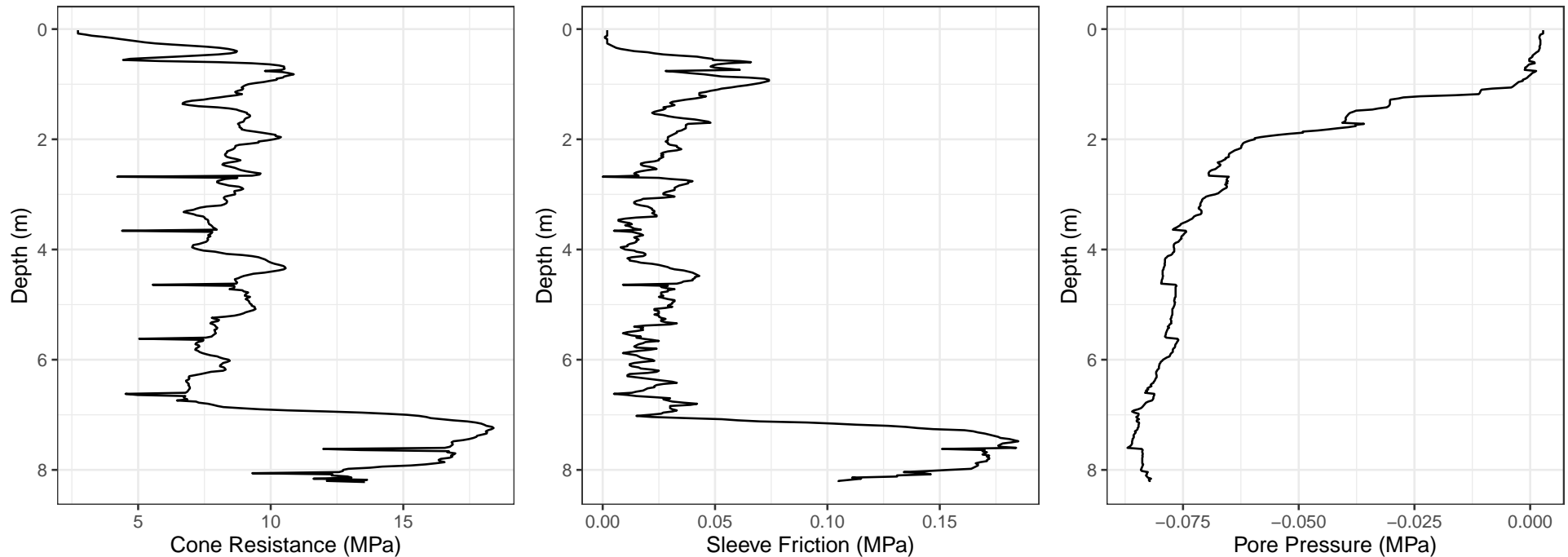
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

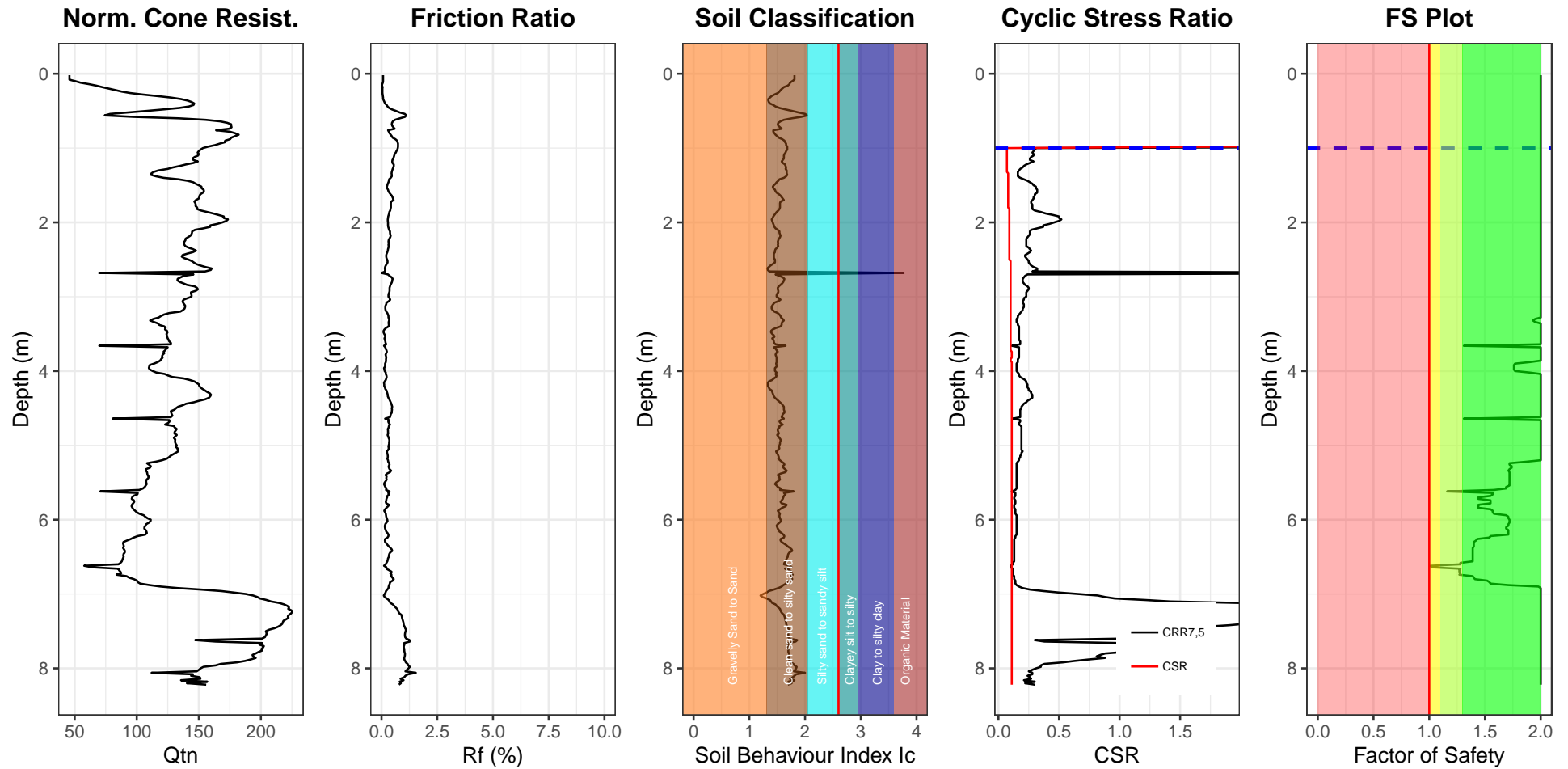
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618940 , 5427897

Raw Data Plots - CPT_128854



CPT_128854



Outputs for CPT_128854:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

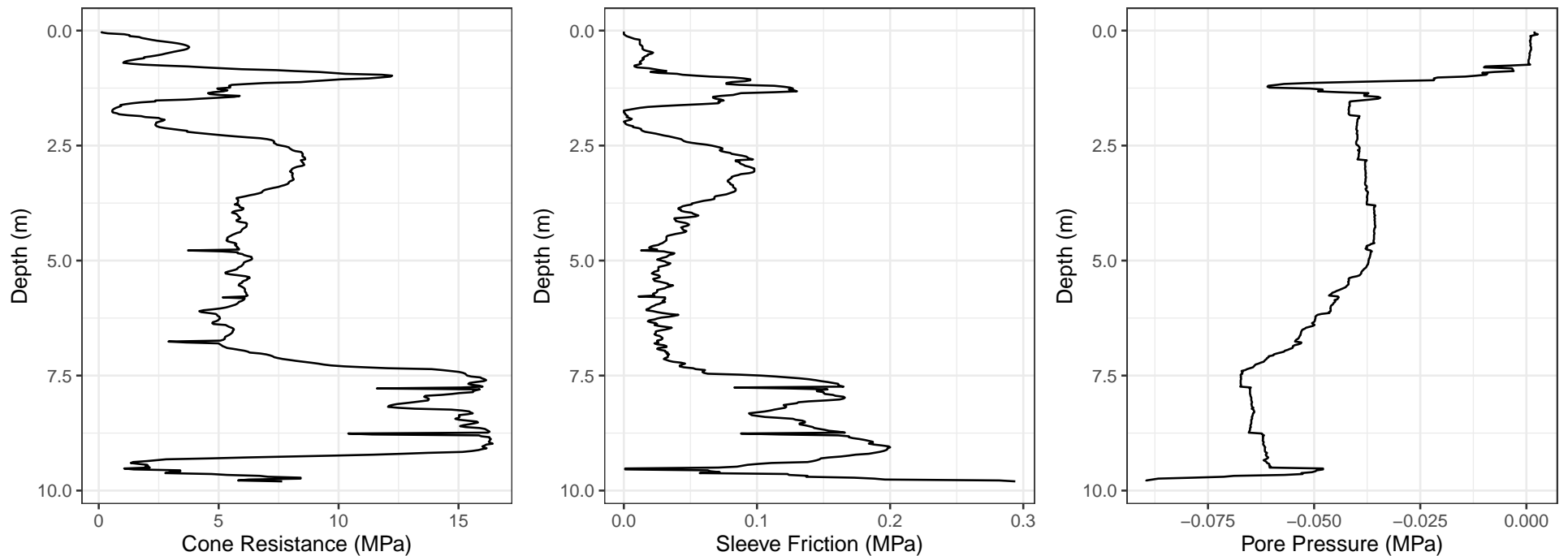
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

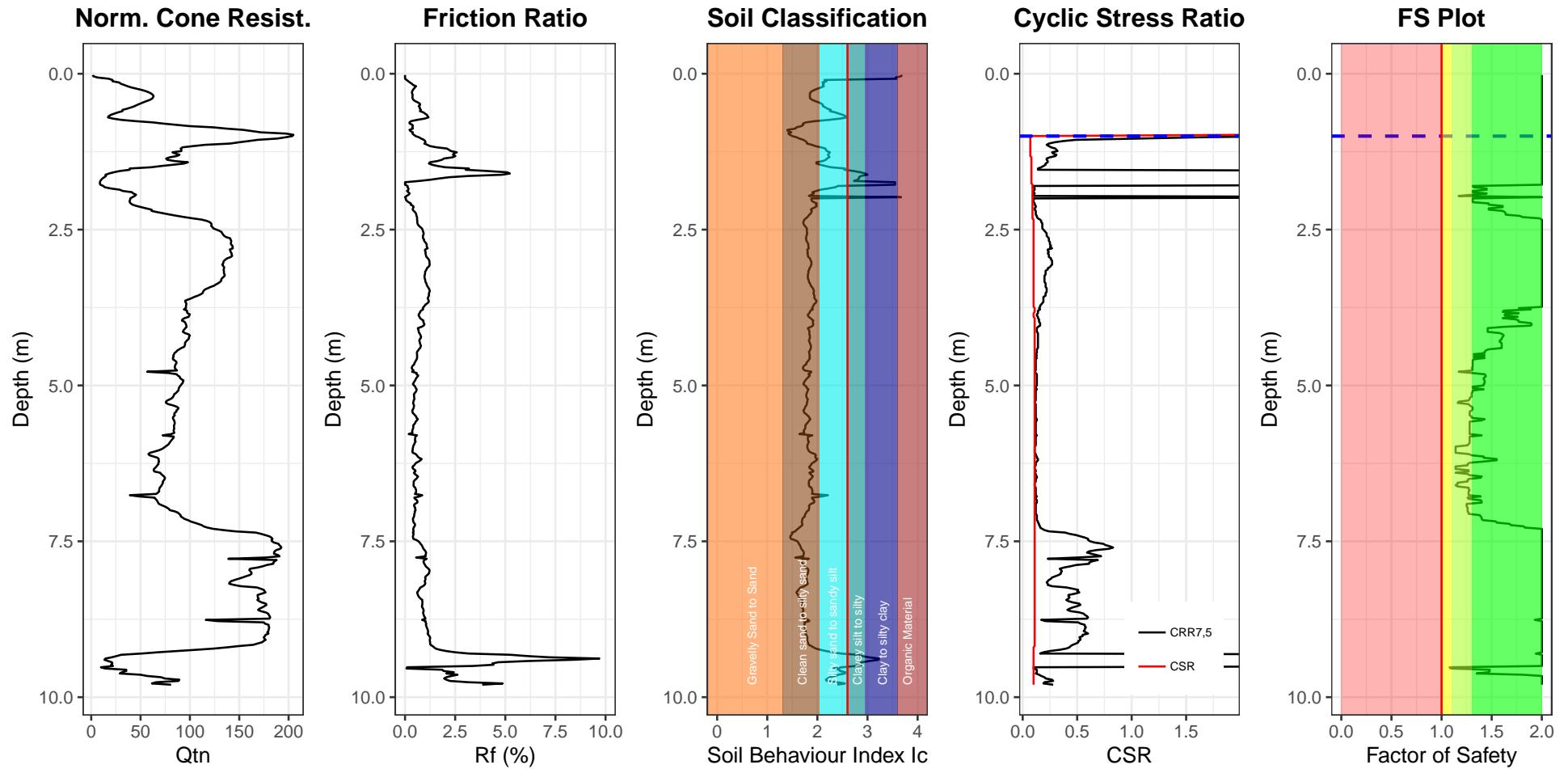
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619050 , 5428166

Raw Data Plots - CPT_128856



CPT_128856



Outputs for CPT_128856:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
9	0	2

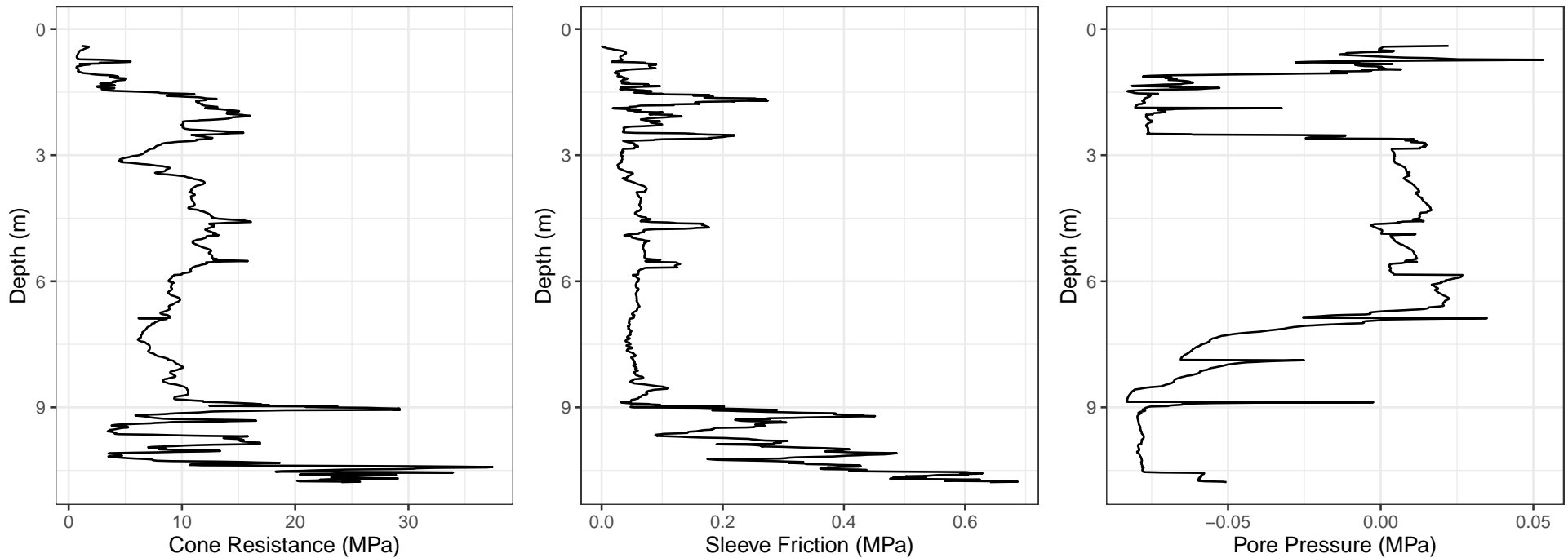
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

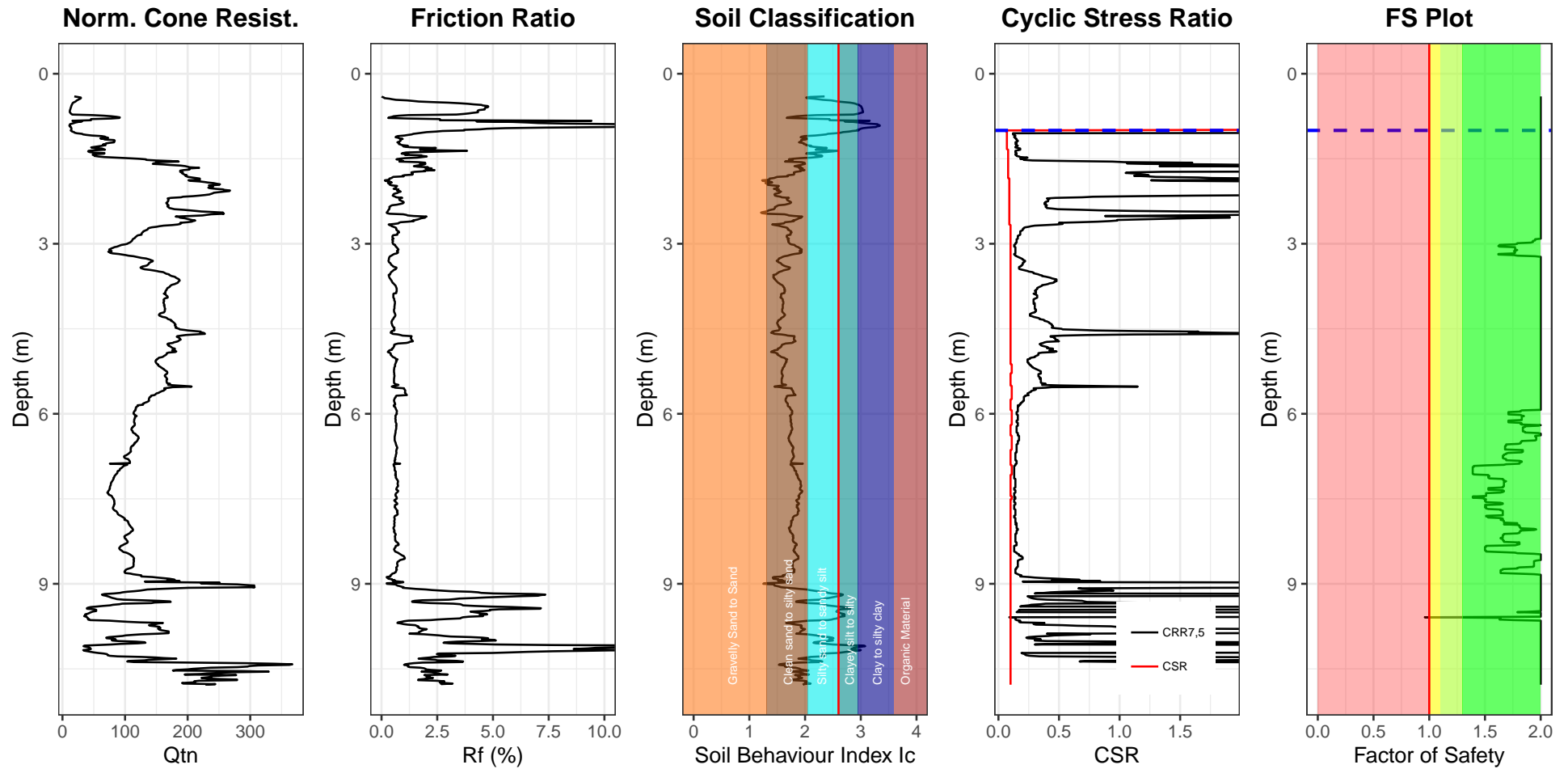
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620339 , 5428959

Raw Data Plots - CPT_134845



CPT_134845



Outputs for CPT_134845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

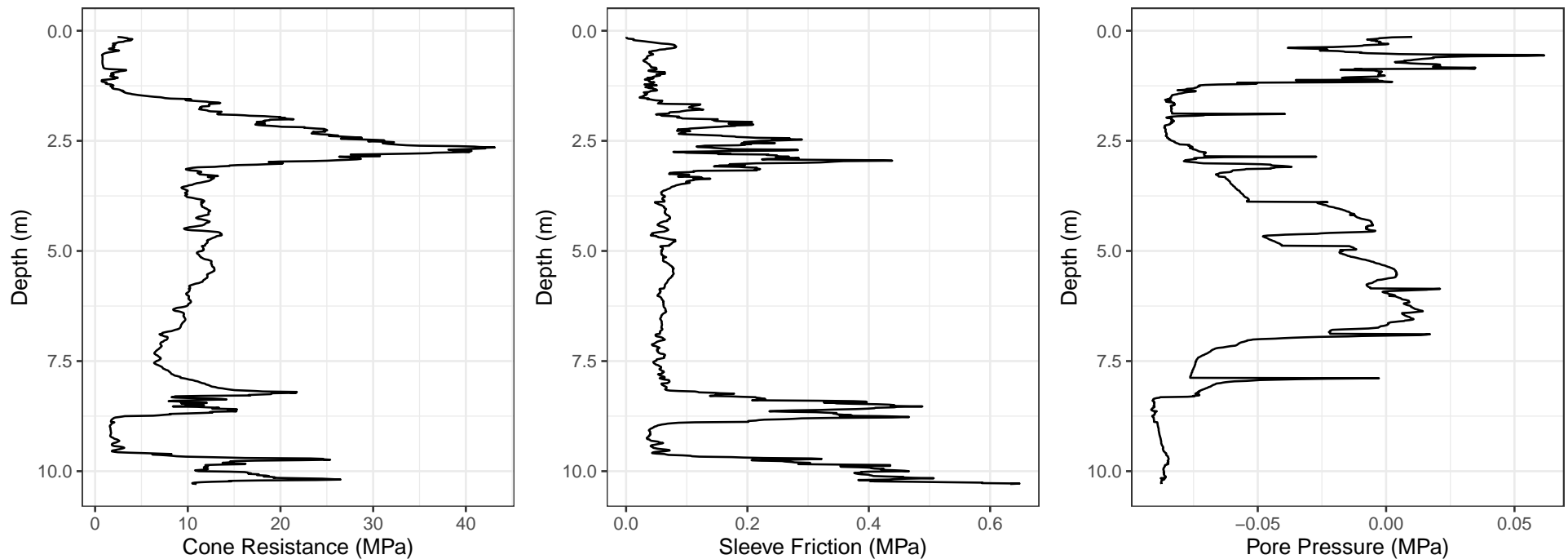
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

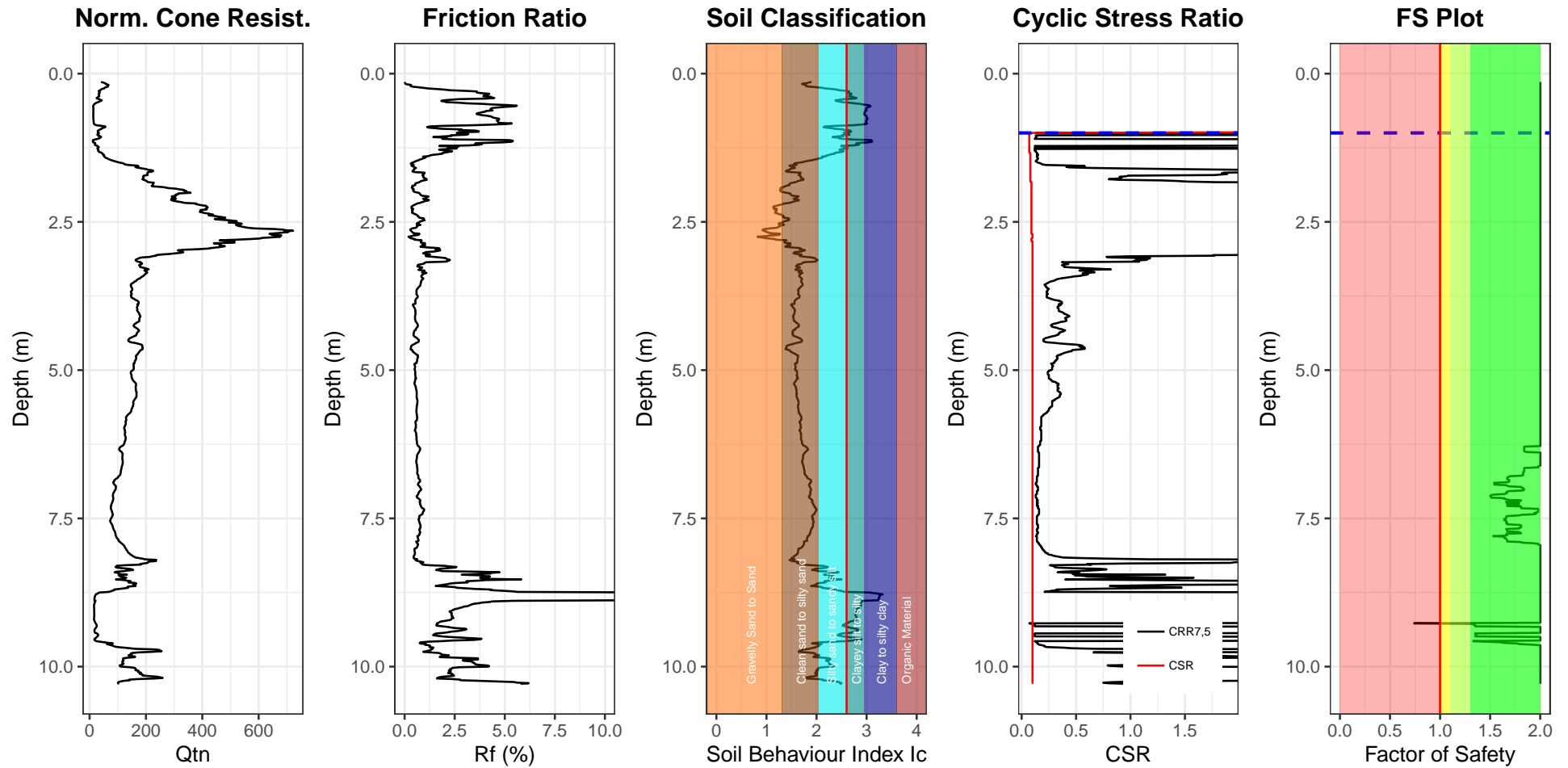
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.14
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620381 , 5428958

Raw Data Plots - CPT_134847



CPT_134847



Outputs for CPT_134847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

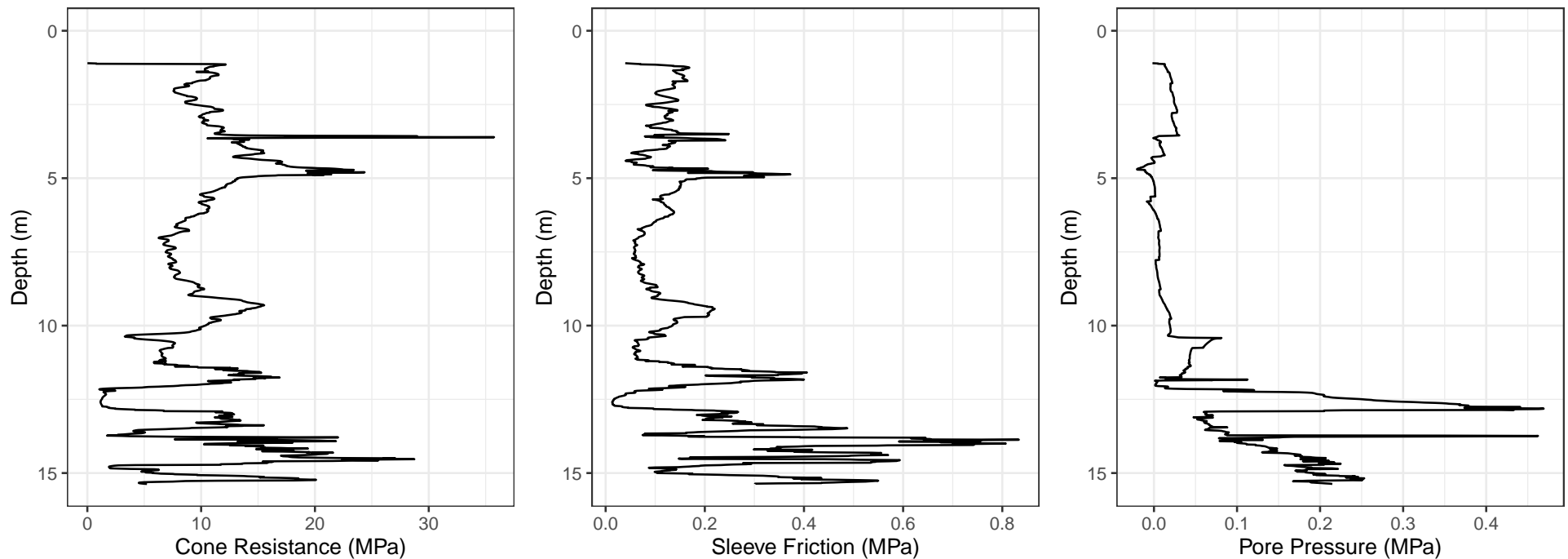
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

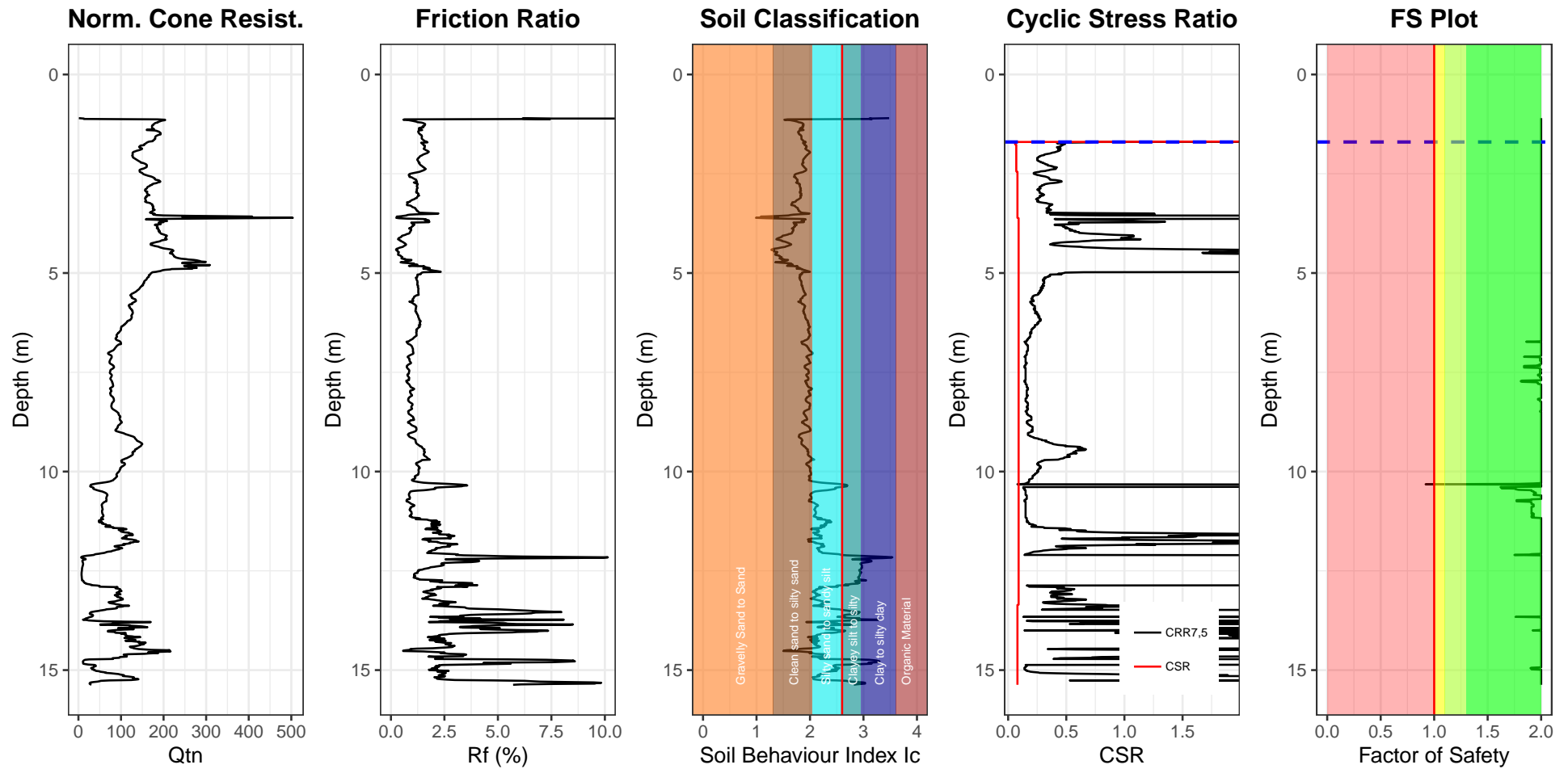
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.7
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619746 , 5428470

Raw Data Plots - CPT_157910



CPT_157910



Outputs for CPT_157910:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

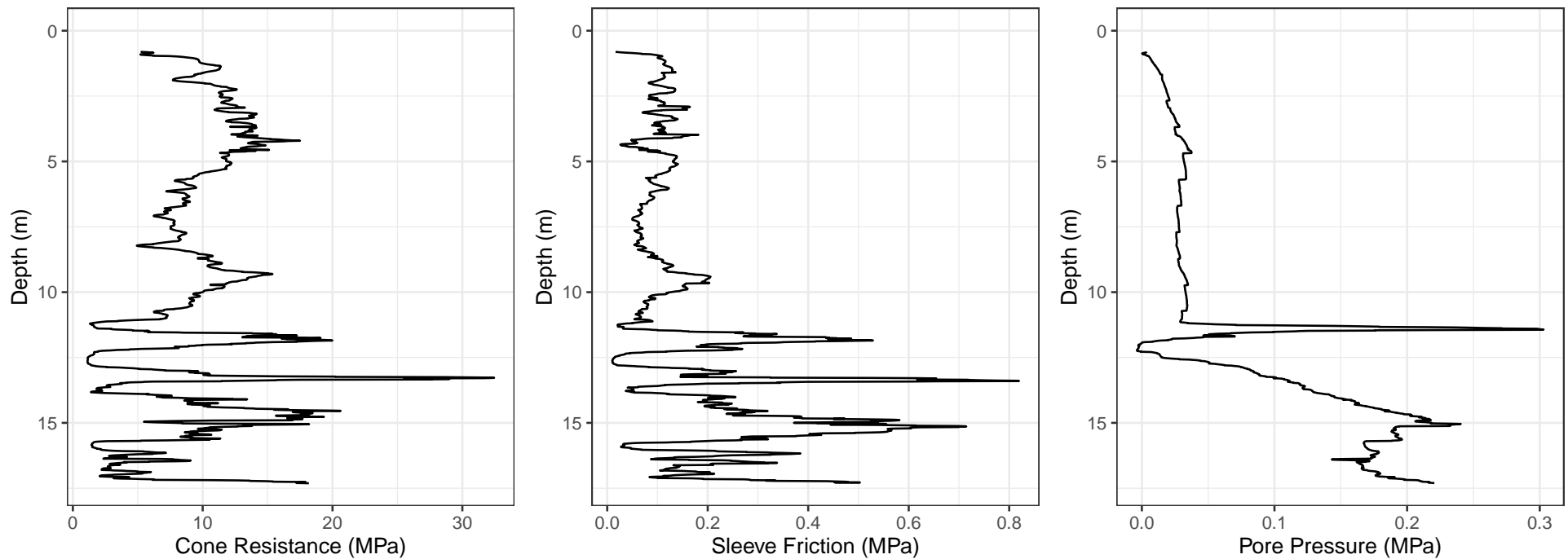
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

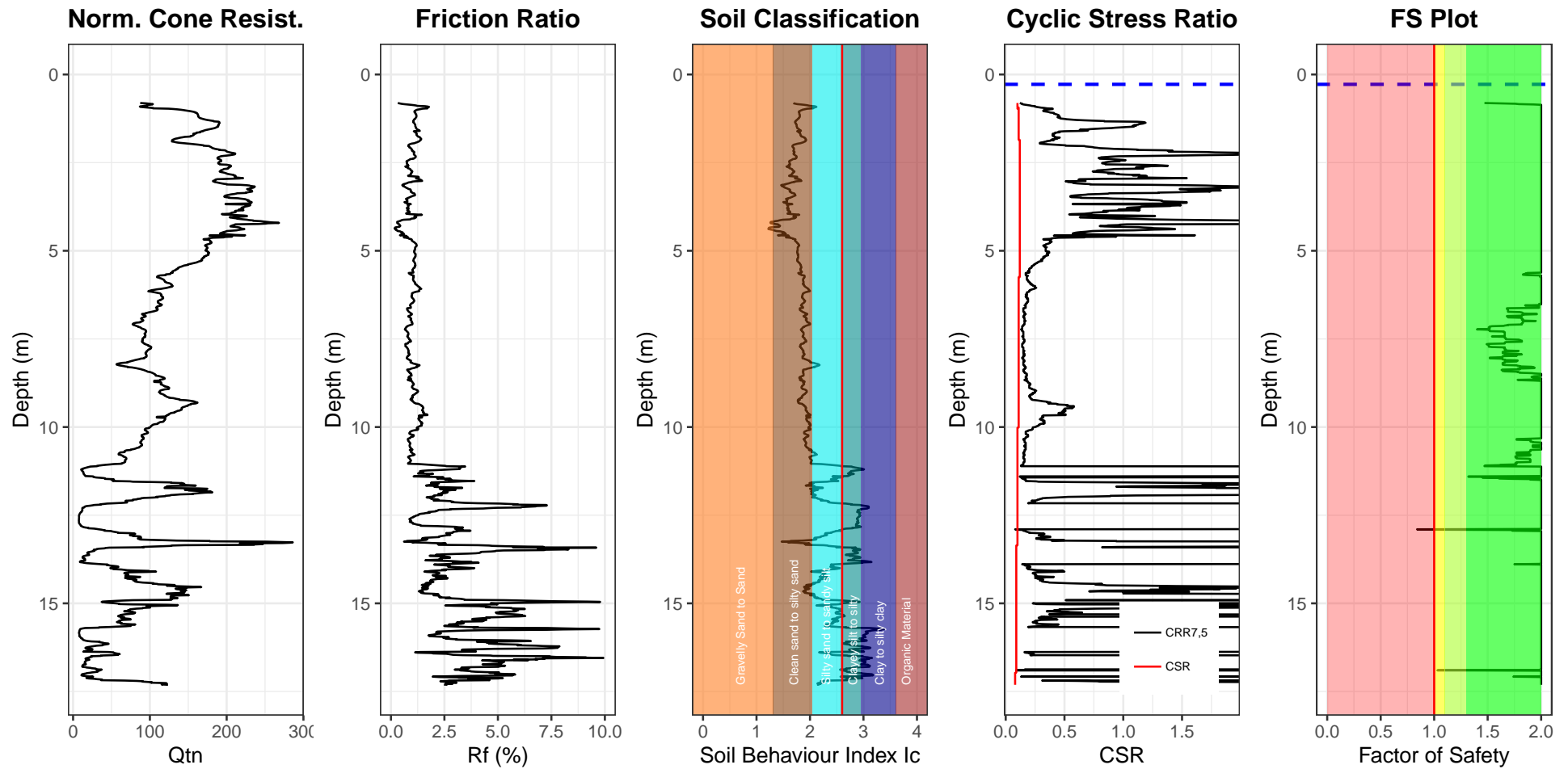
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.28
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.81
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619735 , 5428471

Raw Data Plots - CPT_157911



CPT_157911



Outputs for CPT_157911:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

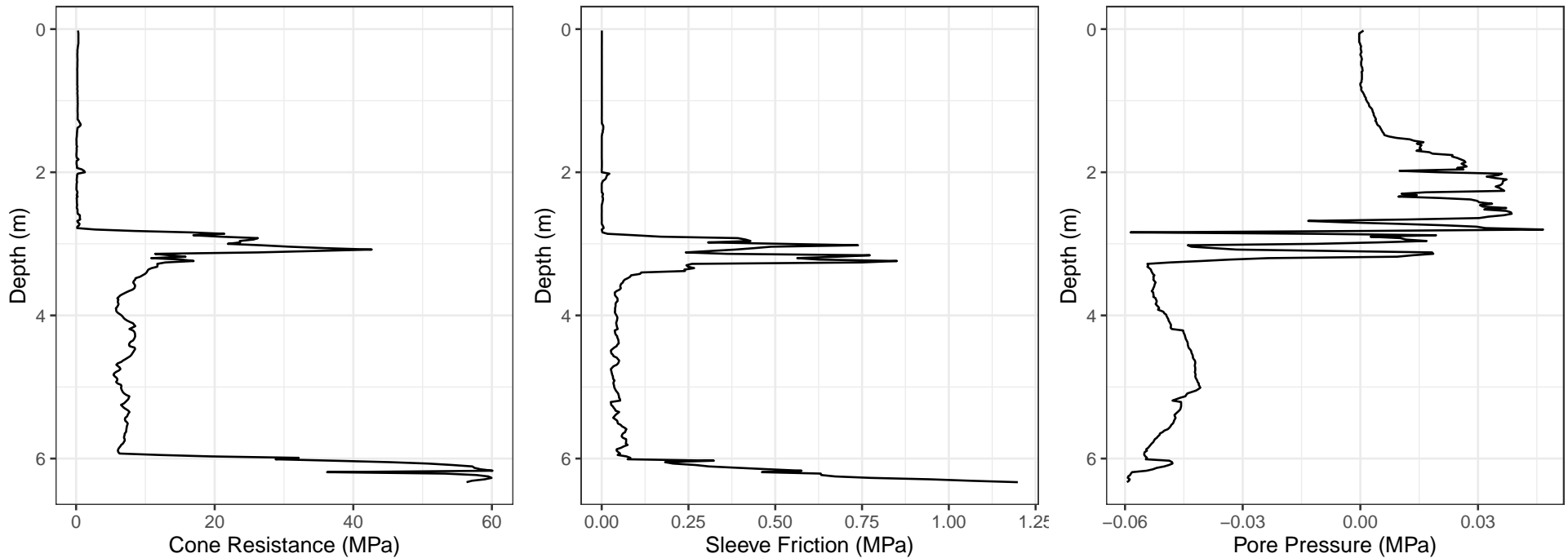
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

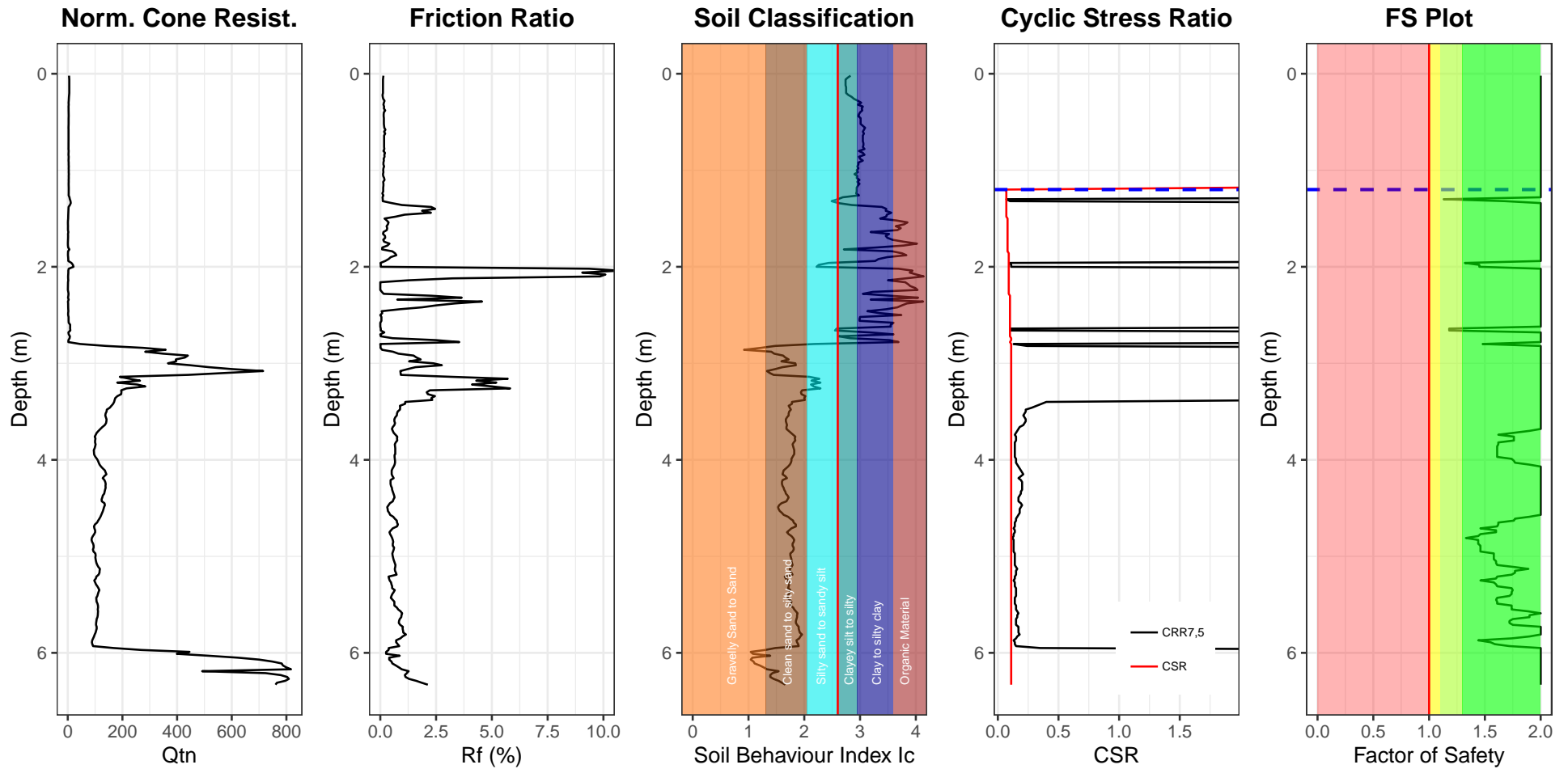
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620613 , 5429471

Raw Data Plots - CPT_160186



CPT_160186



Outputs for CPT_160186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	1

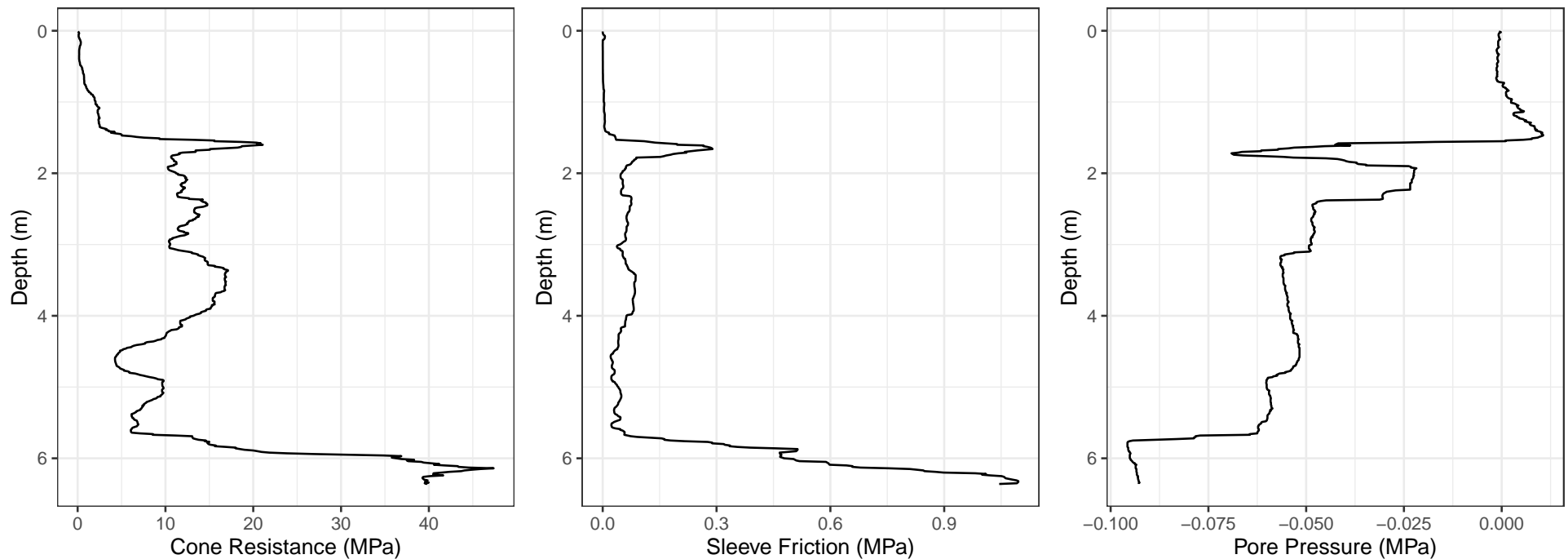
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

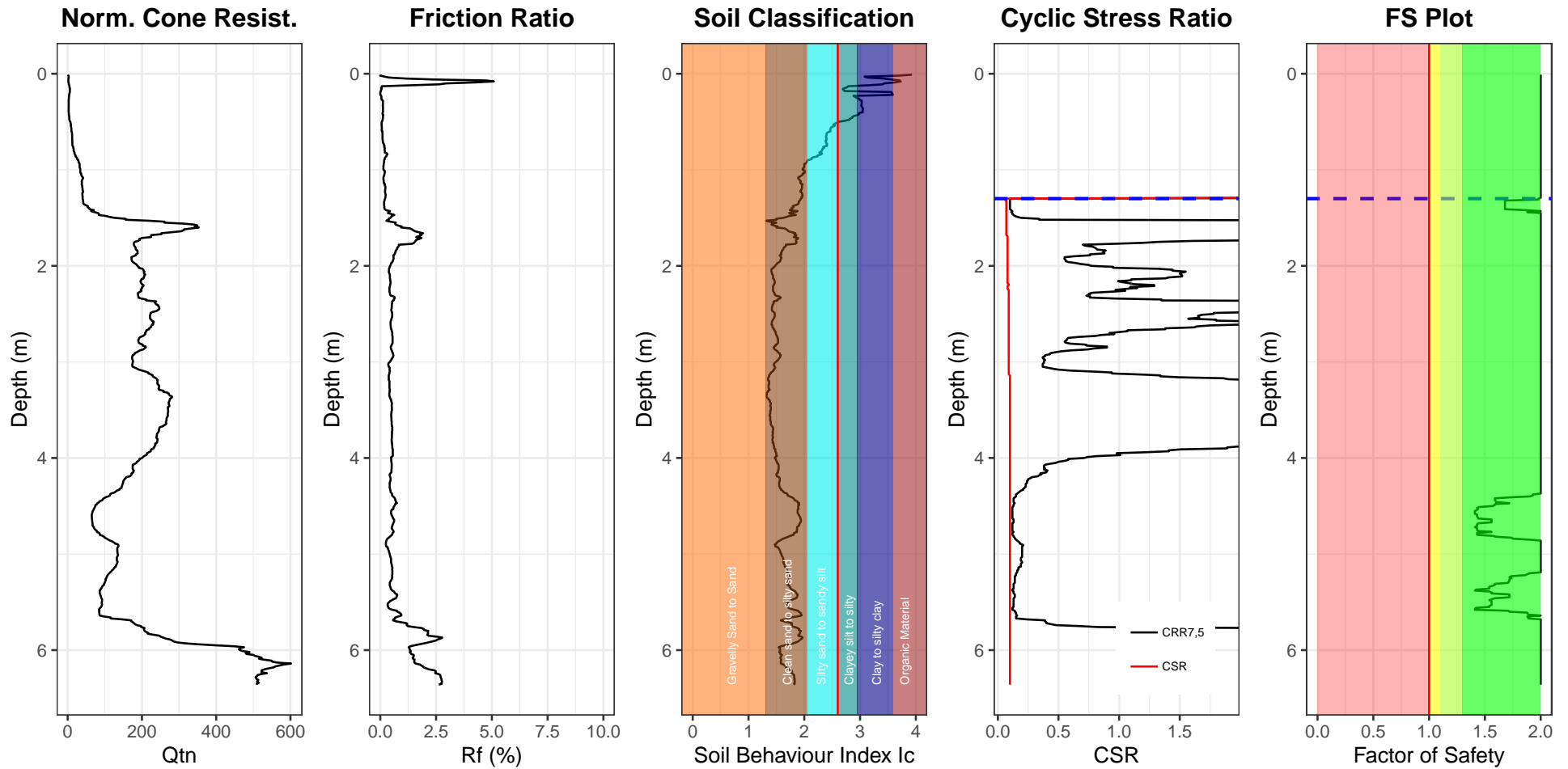
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620783 , 5429841

Raw Data Plots - CPT_170171



CPT_170171



Outputs for CPT_170171:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

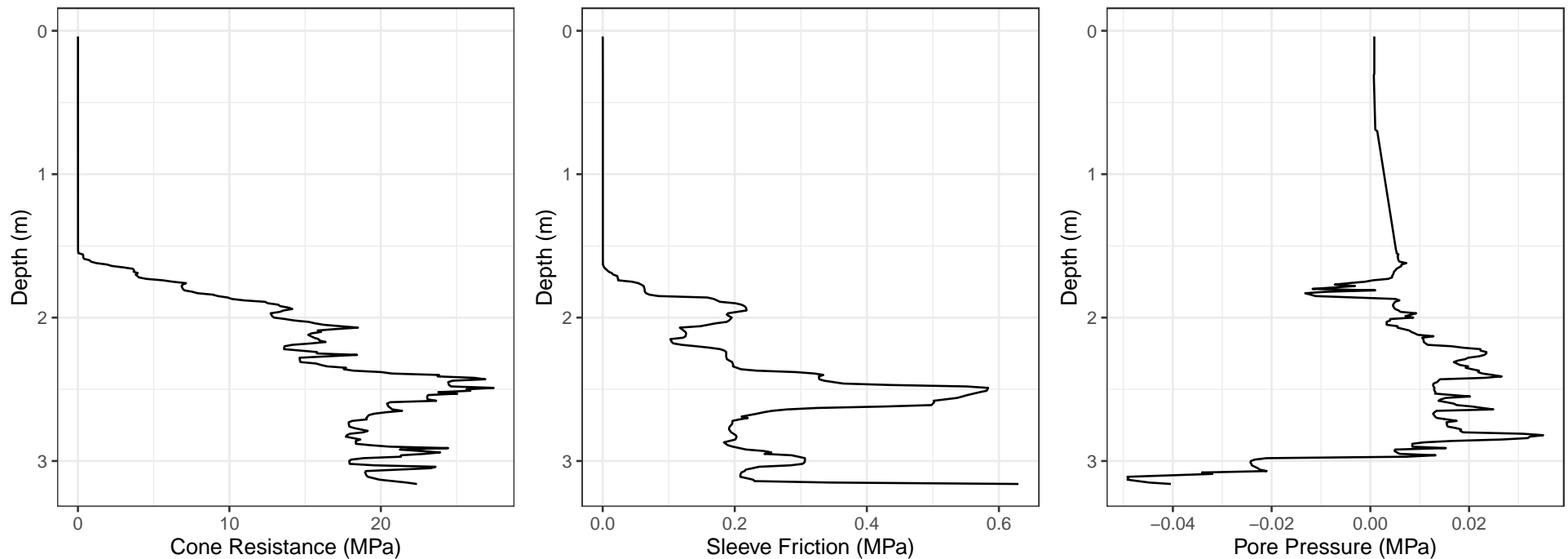
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

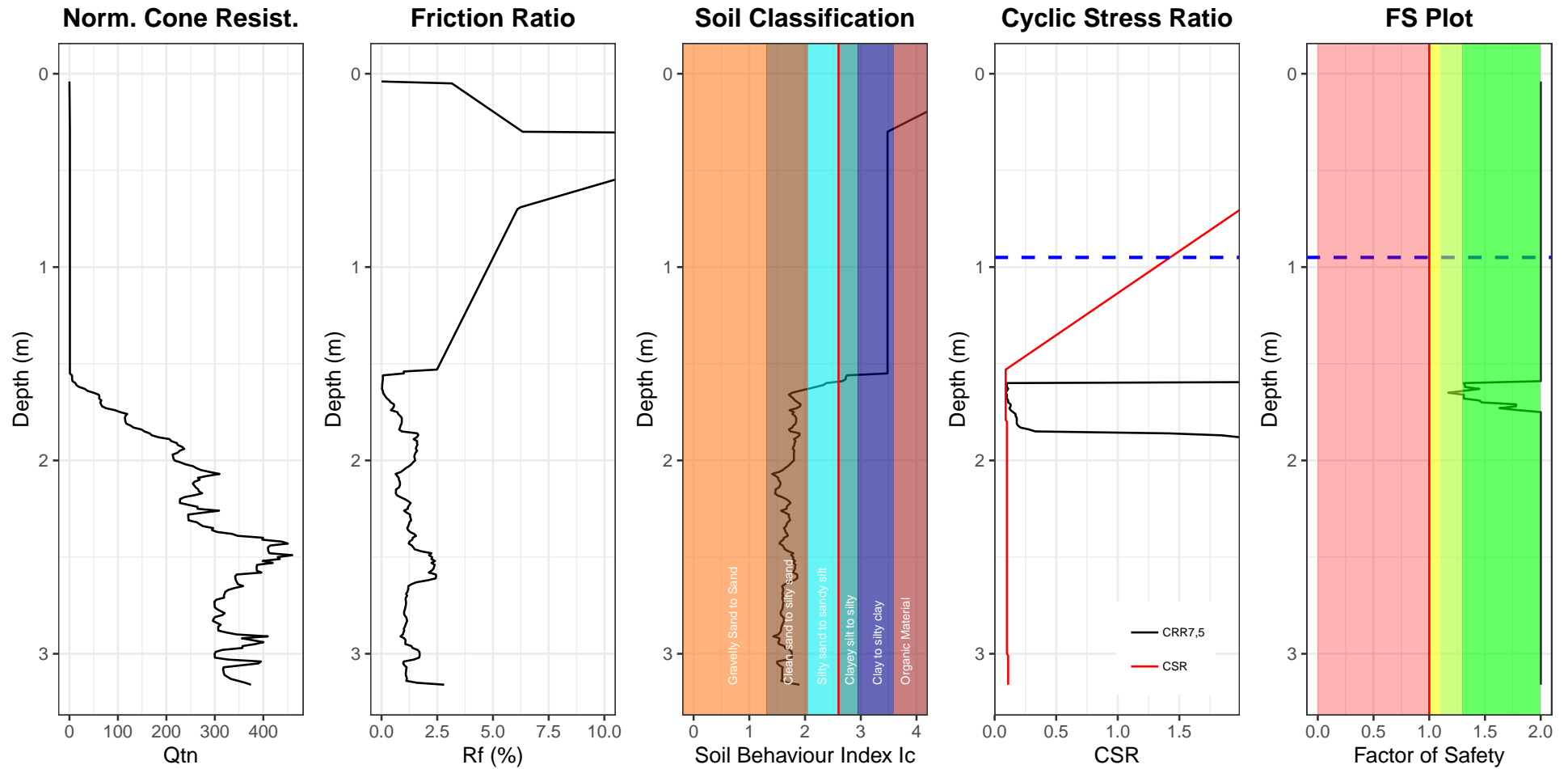
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.04
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170172



CPT_170172



Outputs for CPT_170172:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

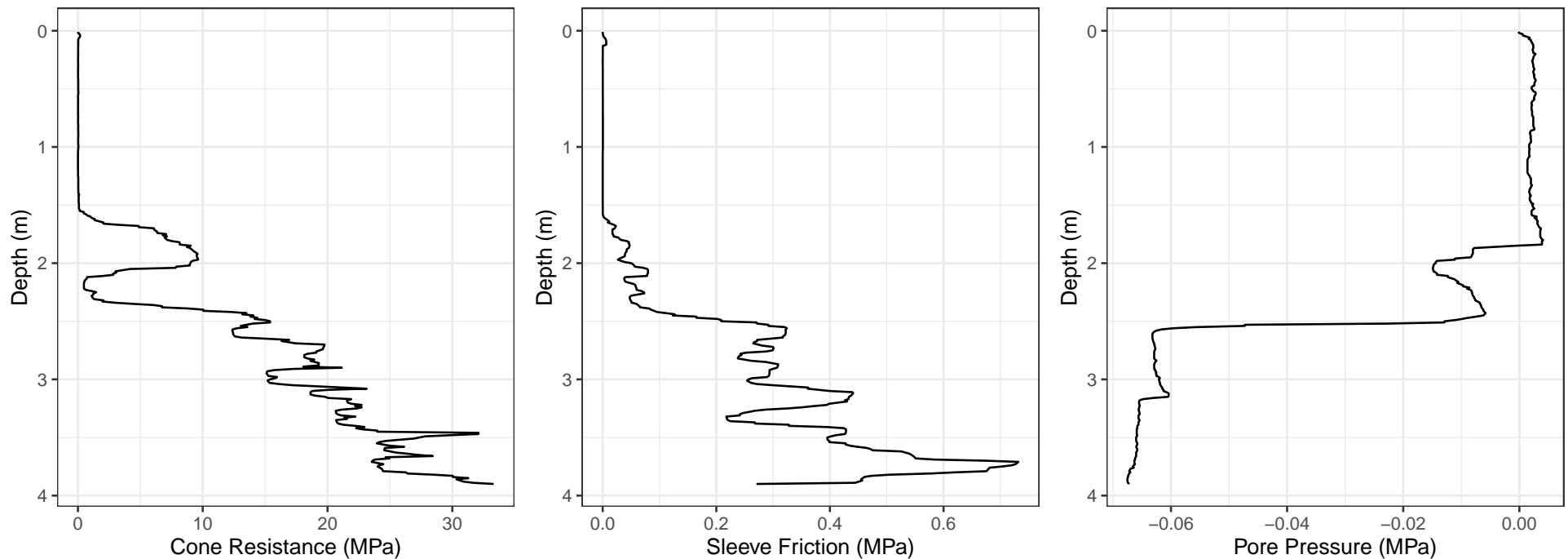
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

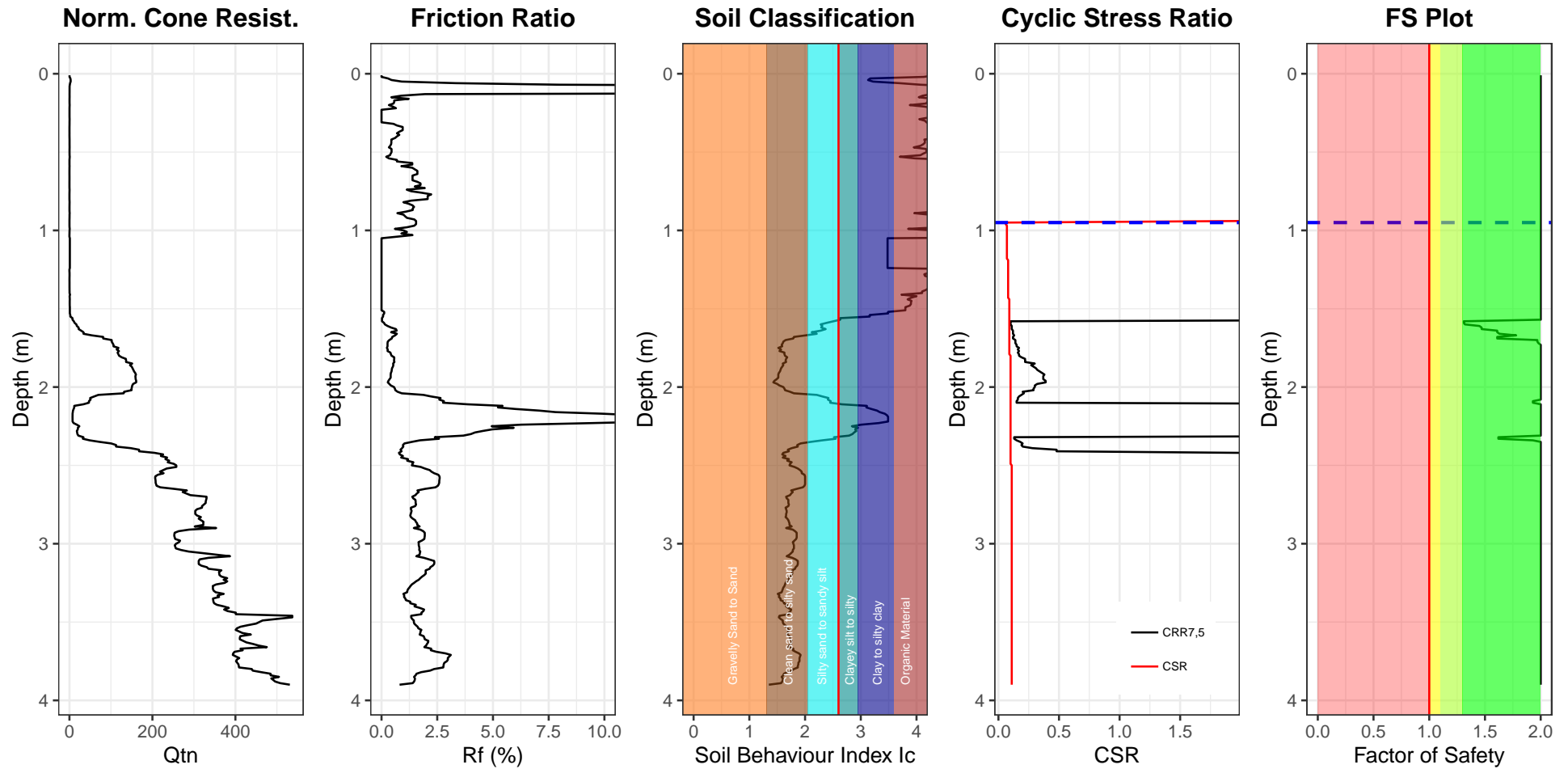
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170174



CPT_170174



Outputs for CPT_170174:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

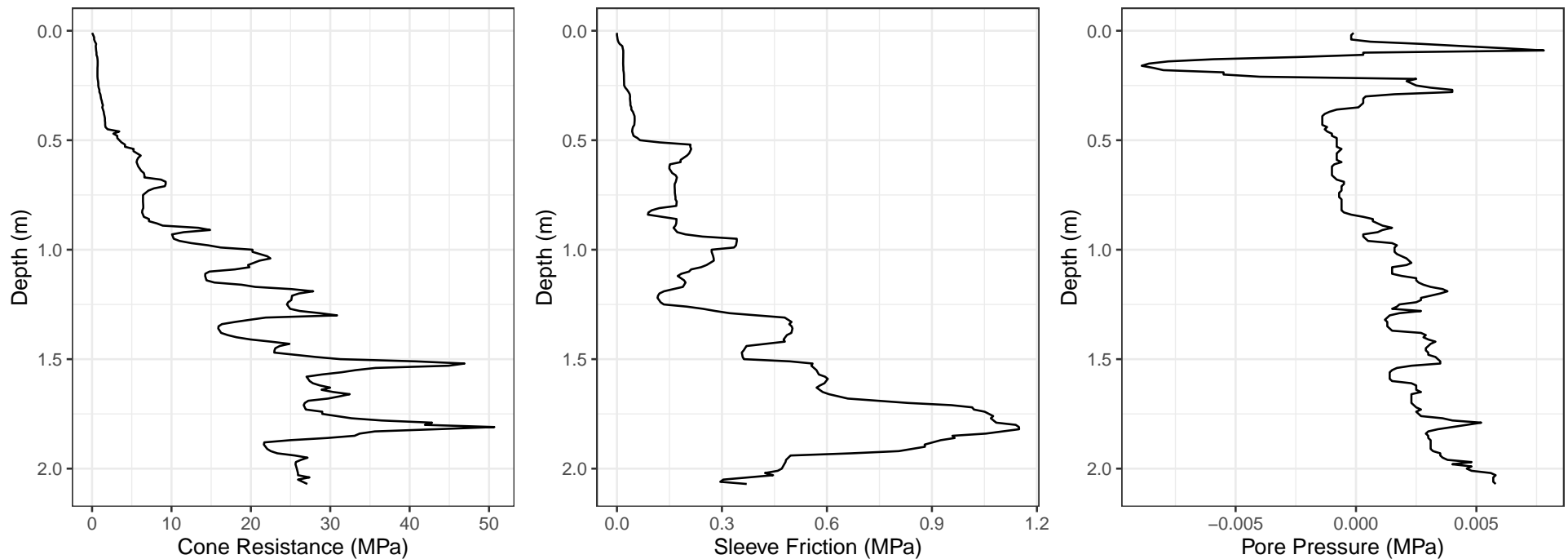
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

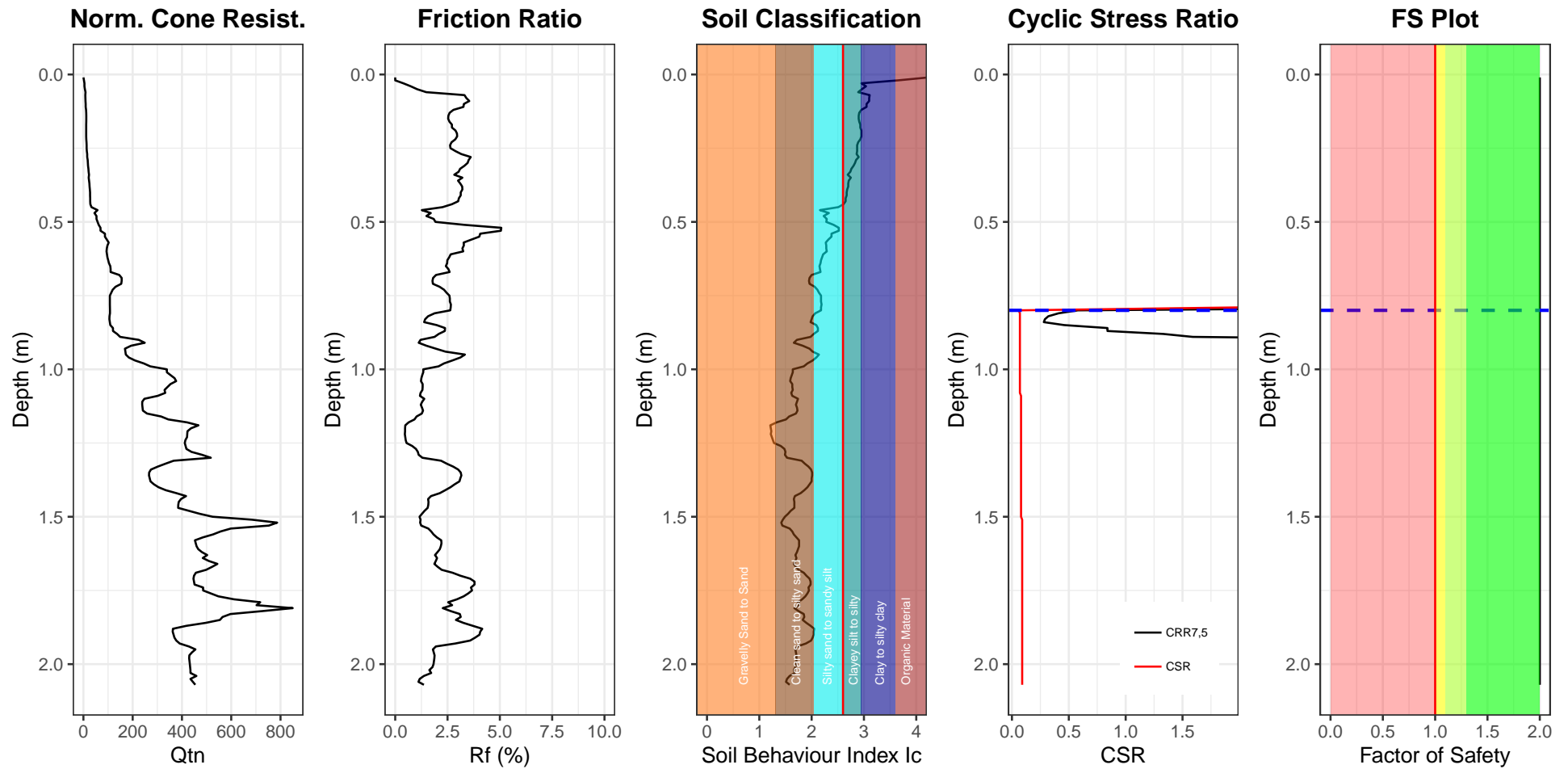
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620619 , 5429650

Raw Data Plots - CPT_170175



CPT_170175



Outputs for CPT_170175:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

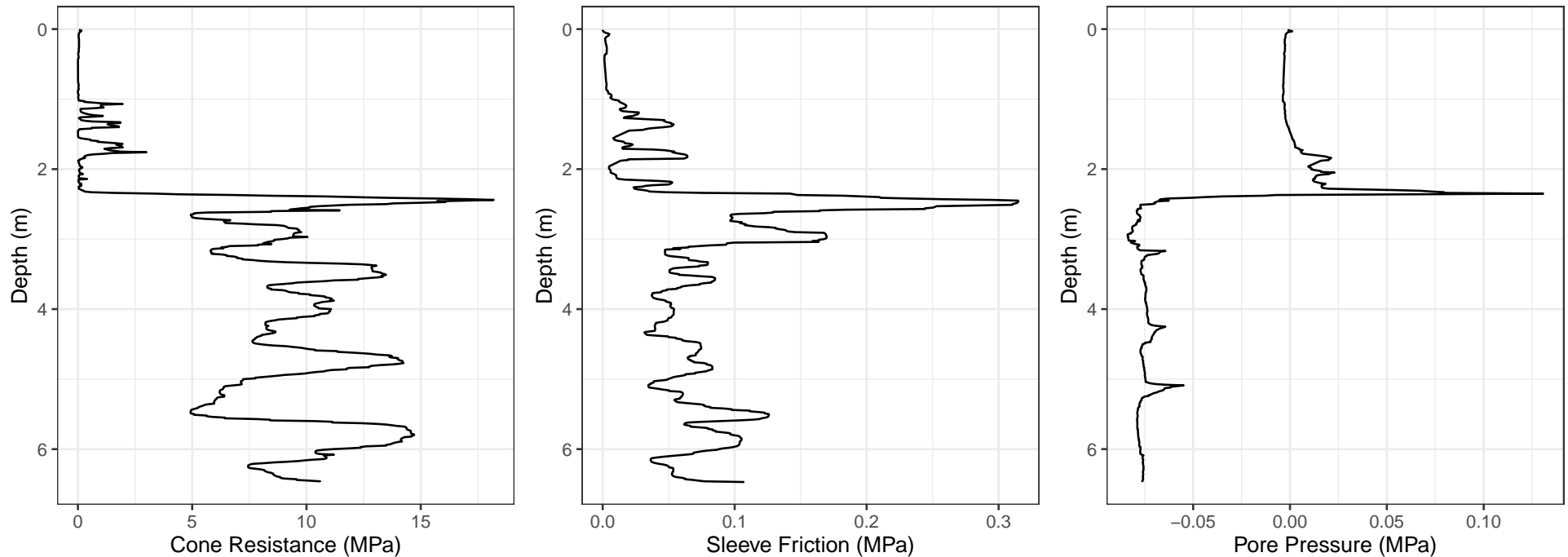
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

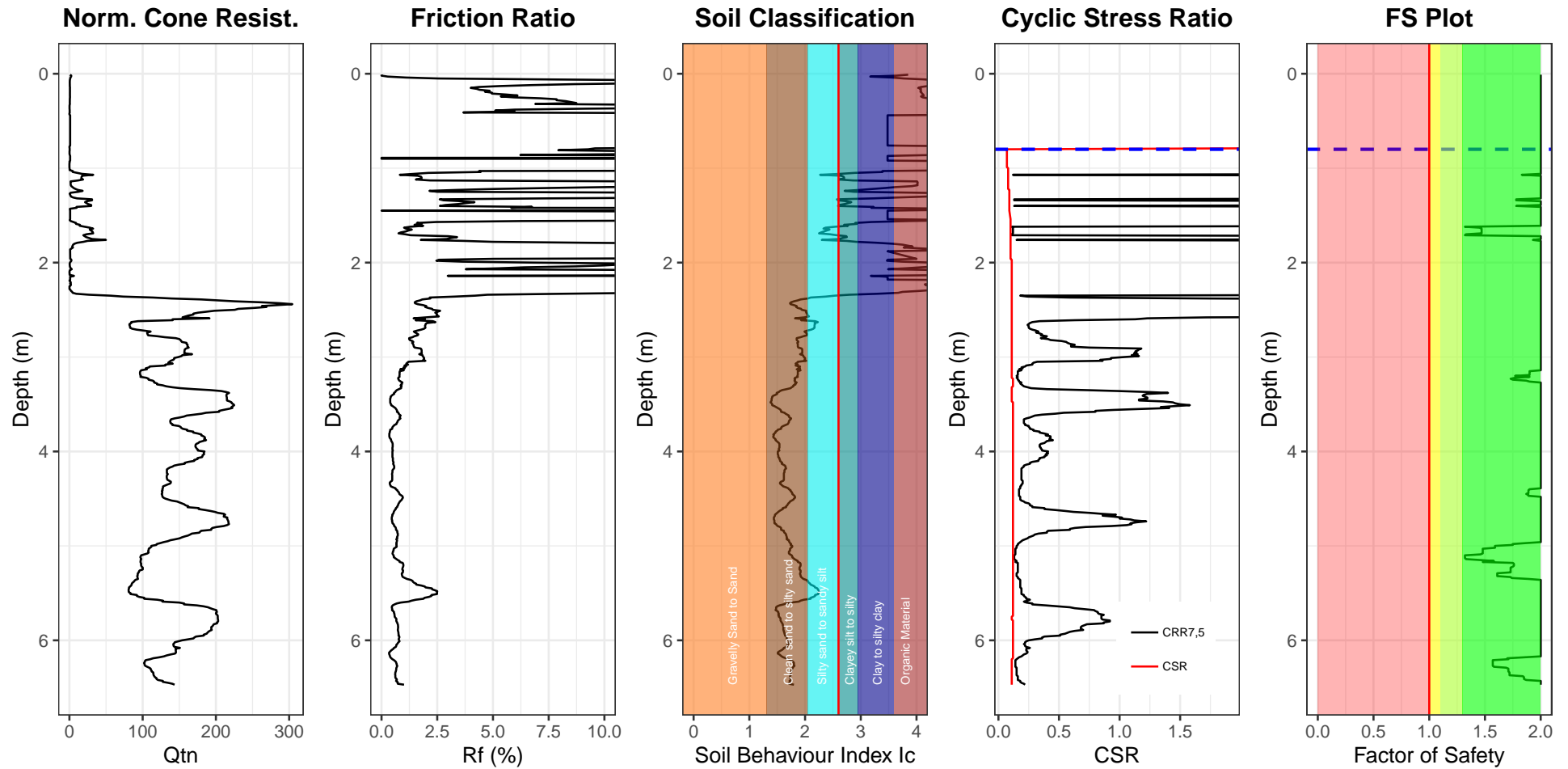
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429650

Raw Data Plots - CPT_170176



CPT_170176



Outputs for CPT_170176:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

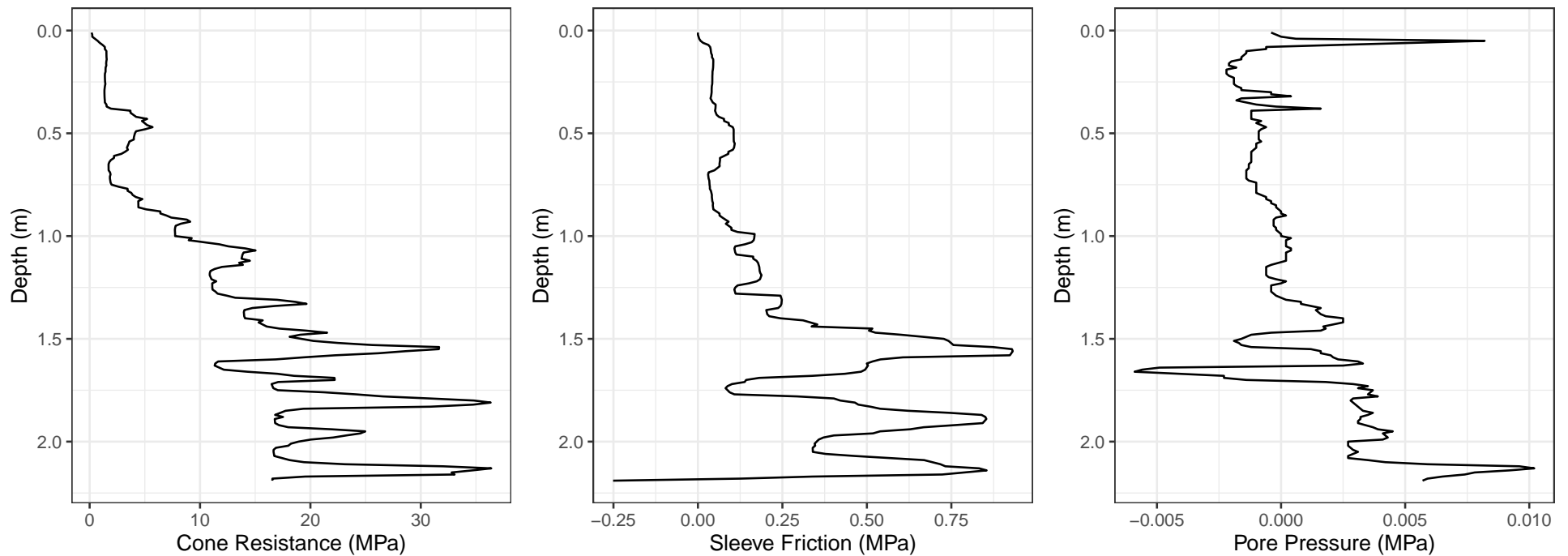
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

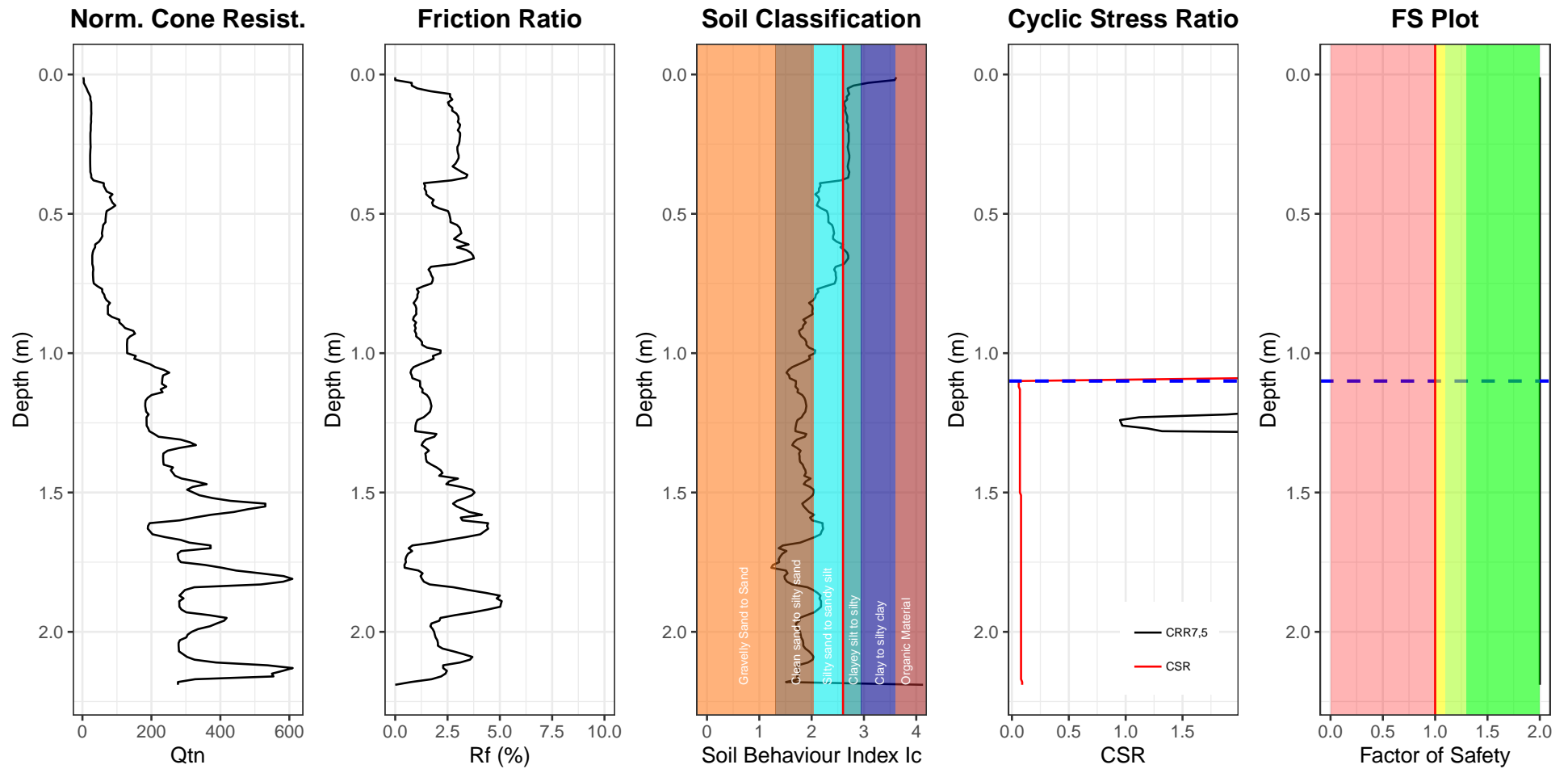
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170177



CPT_170177



Outputs for CPT_170177:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

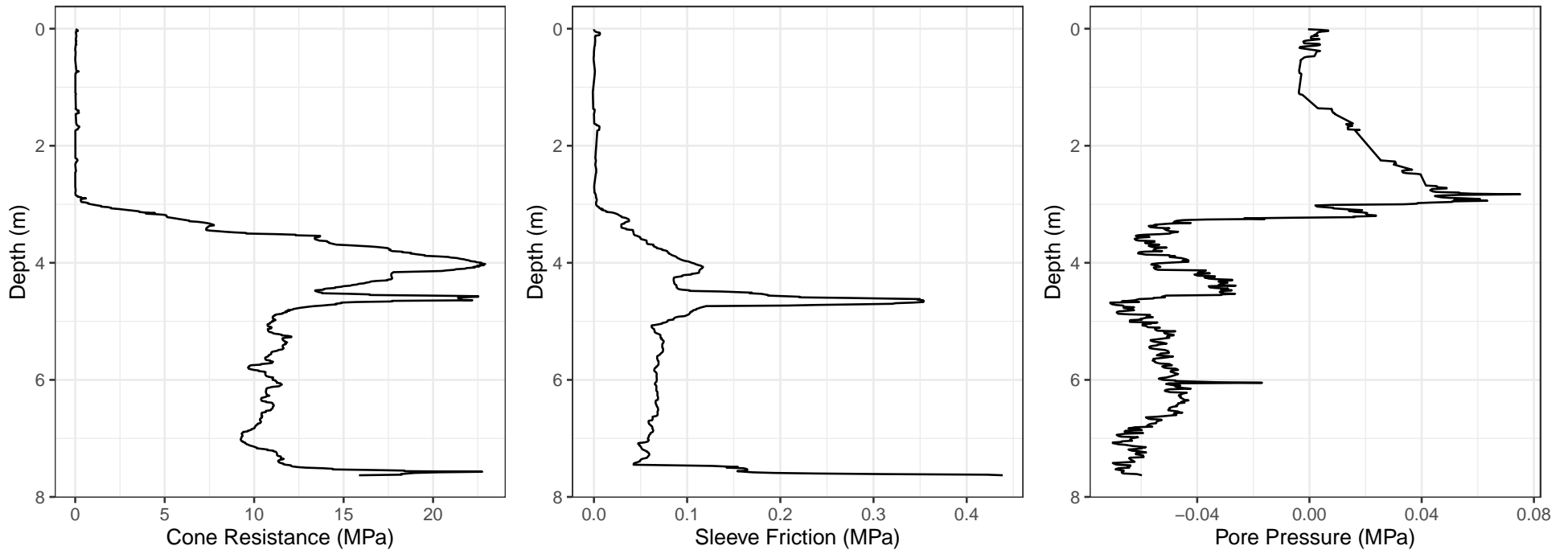
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

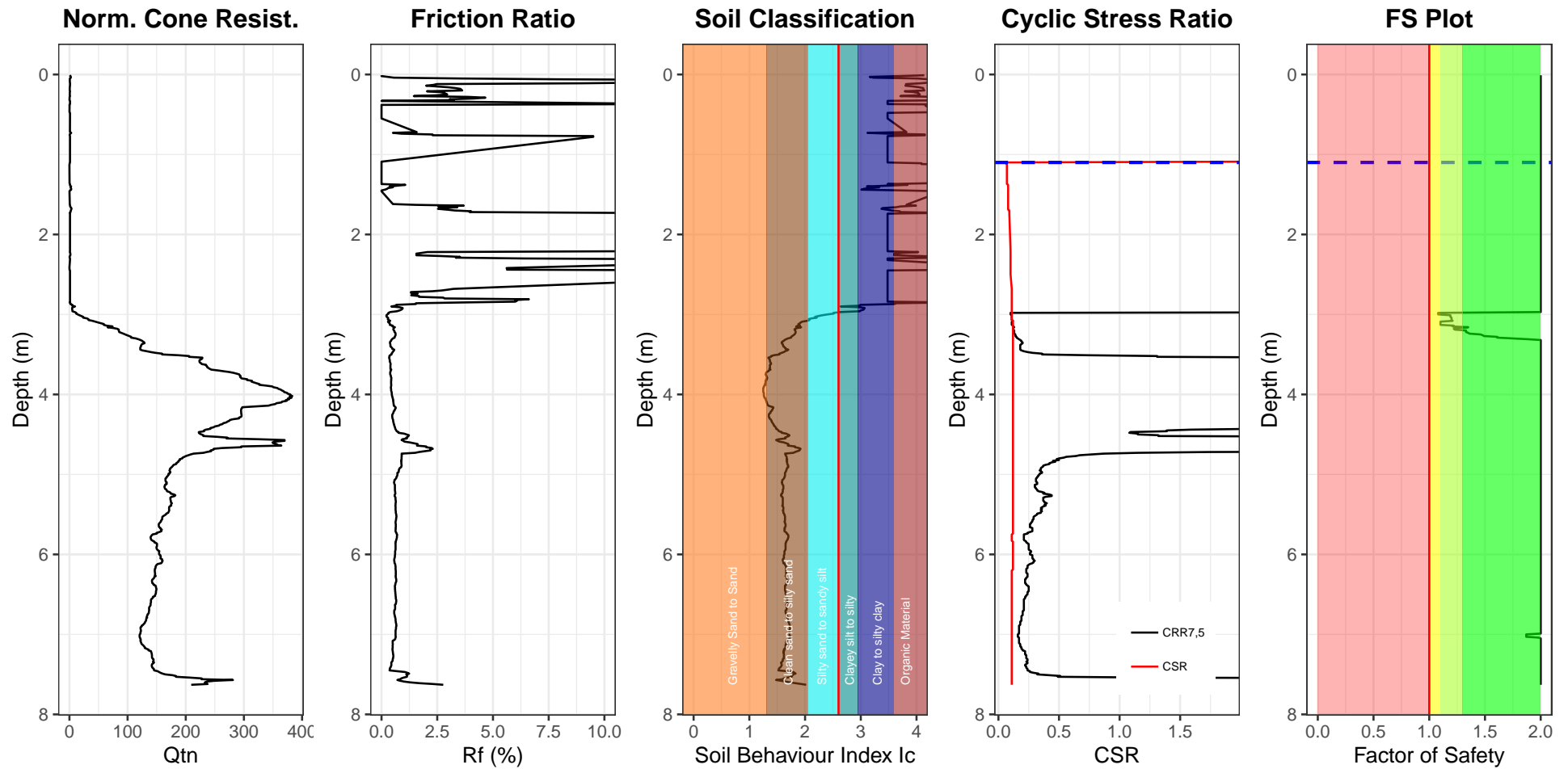
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170178



CPT_170178



Outputs for CPT_170178:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

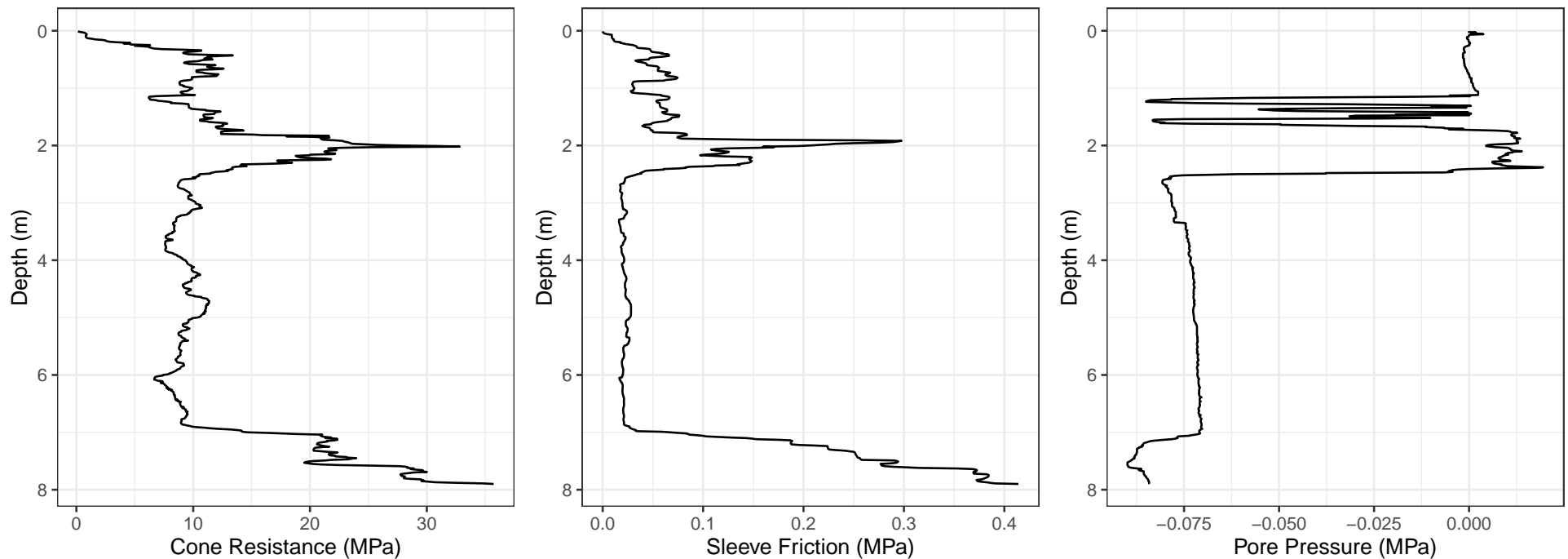
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

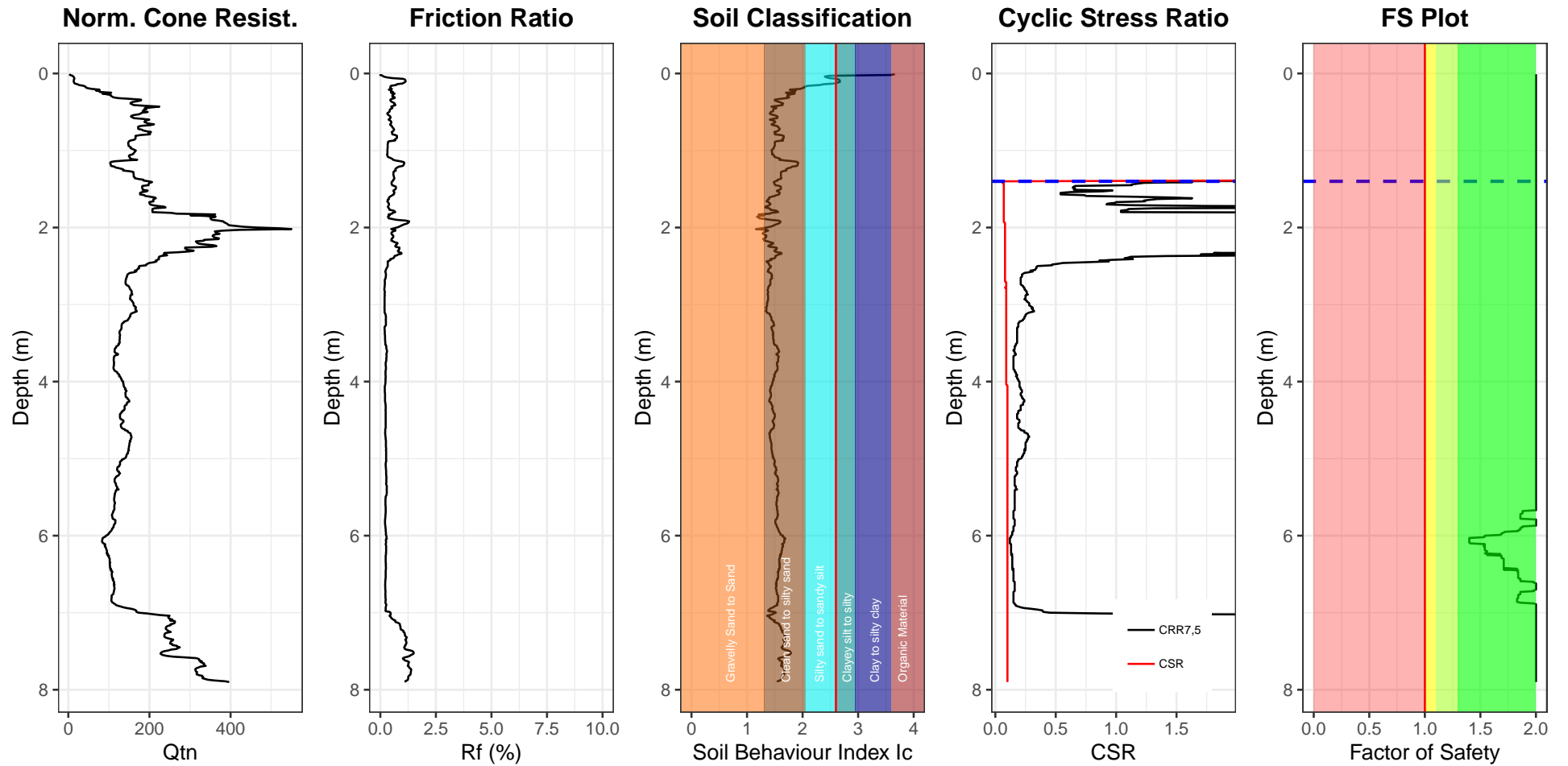
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.4
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620499 , 5429424

Raw Data Plots - CPT_170179



CPT_170179



Outputs for CPT_170179:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

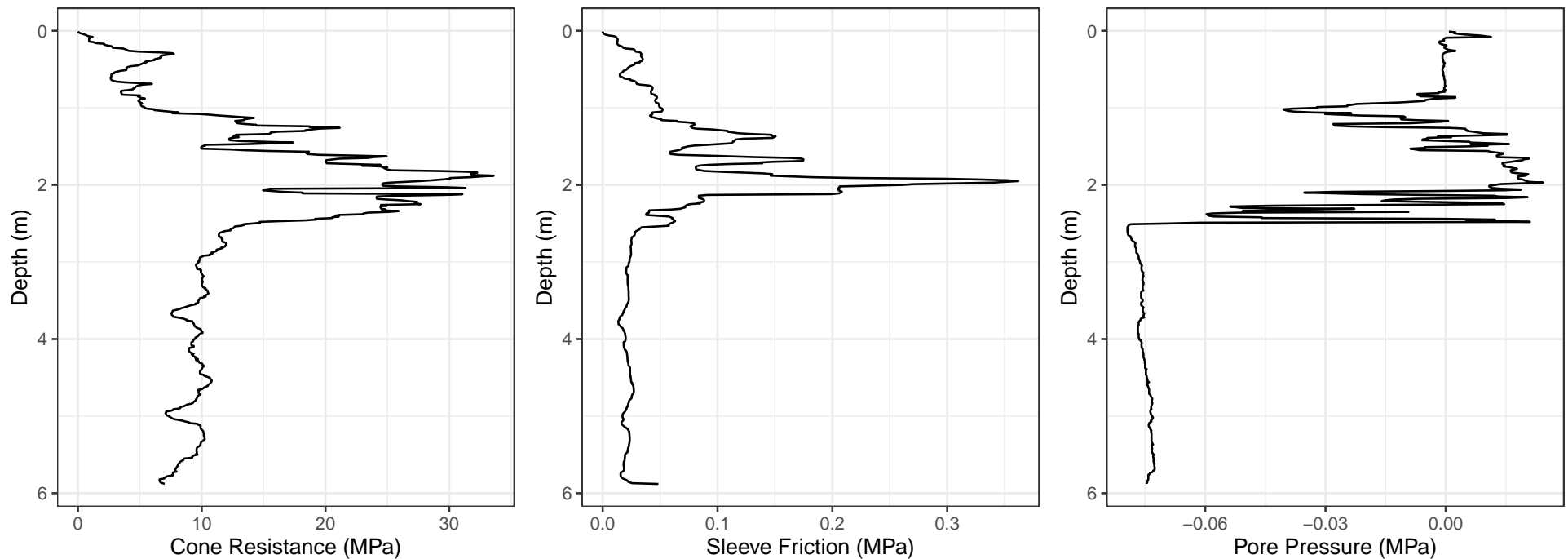
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

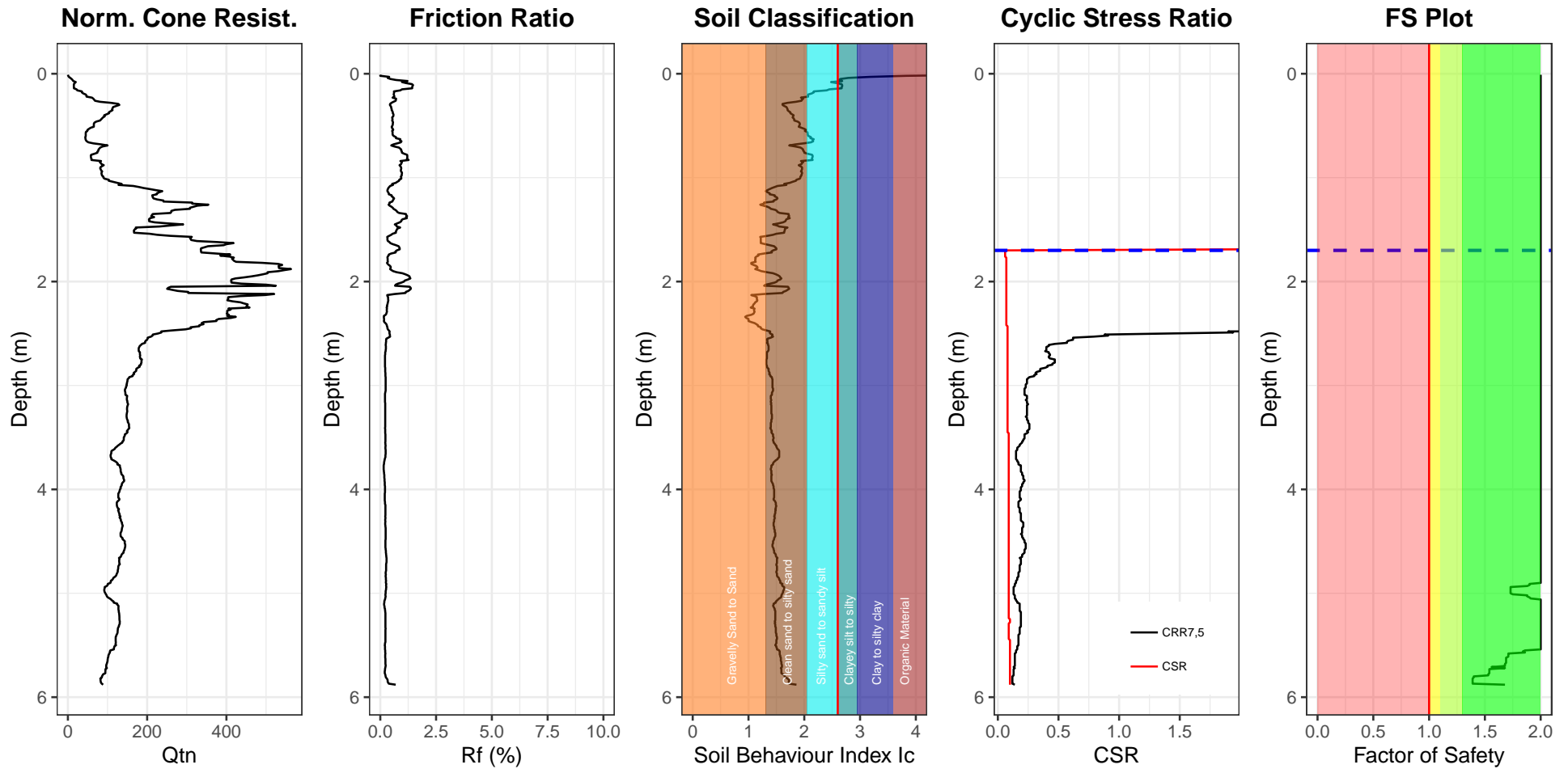
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 25yr	<i>Groundwater (m bgl) :</i>	1.7
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.1	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620557 , 5429424

Raw Data Plots - CPT_170180



CPT_170180



Outputs for CPT_170180:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

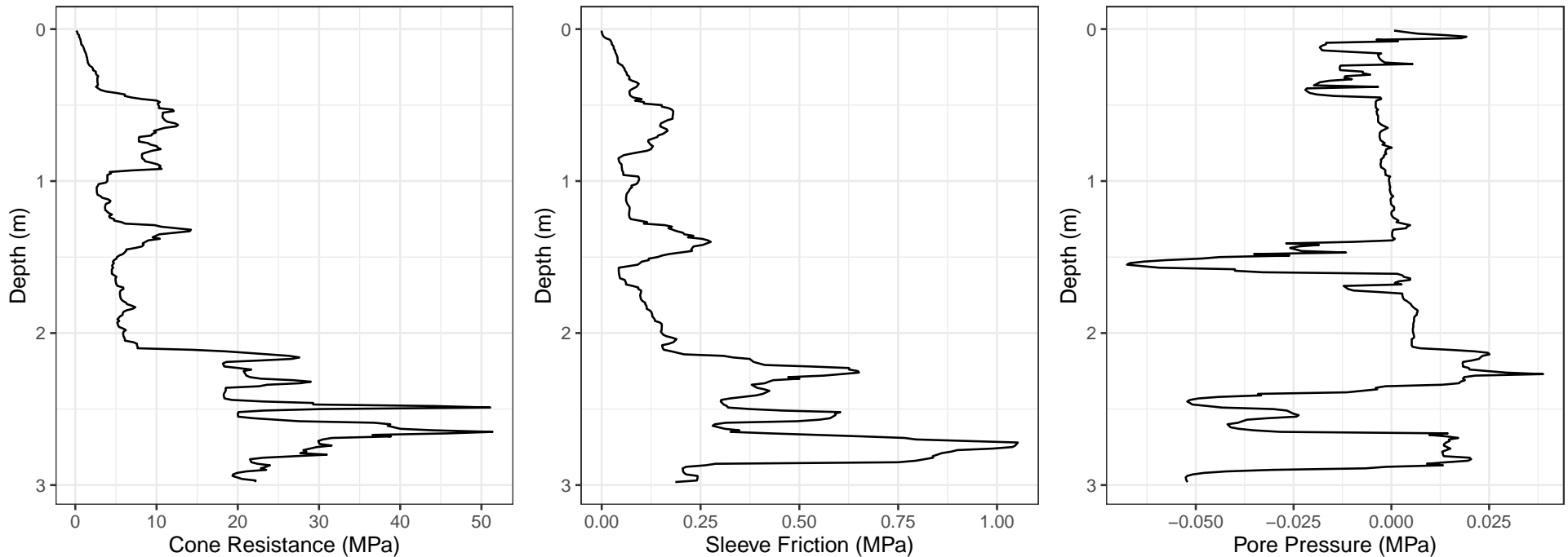
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

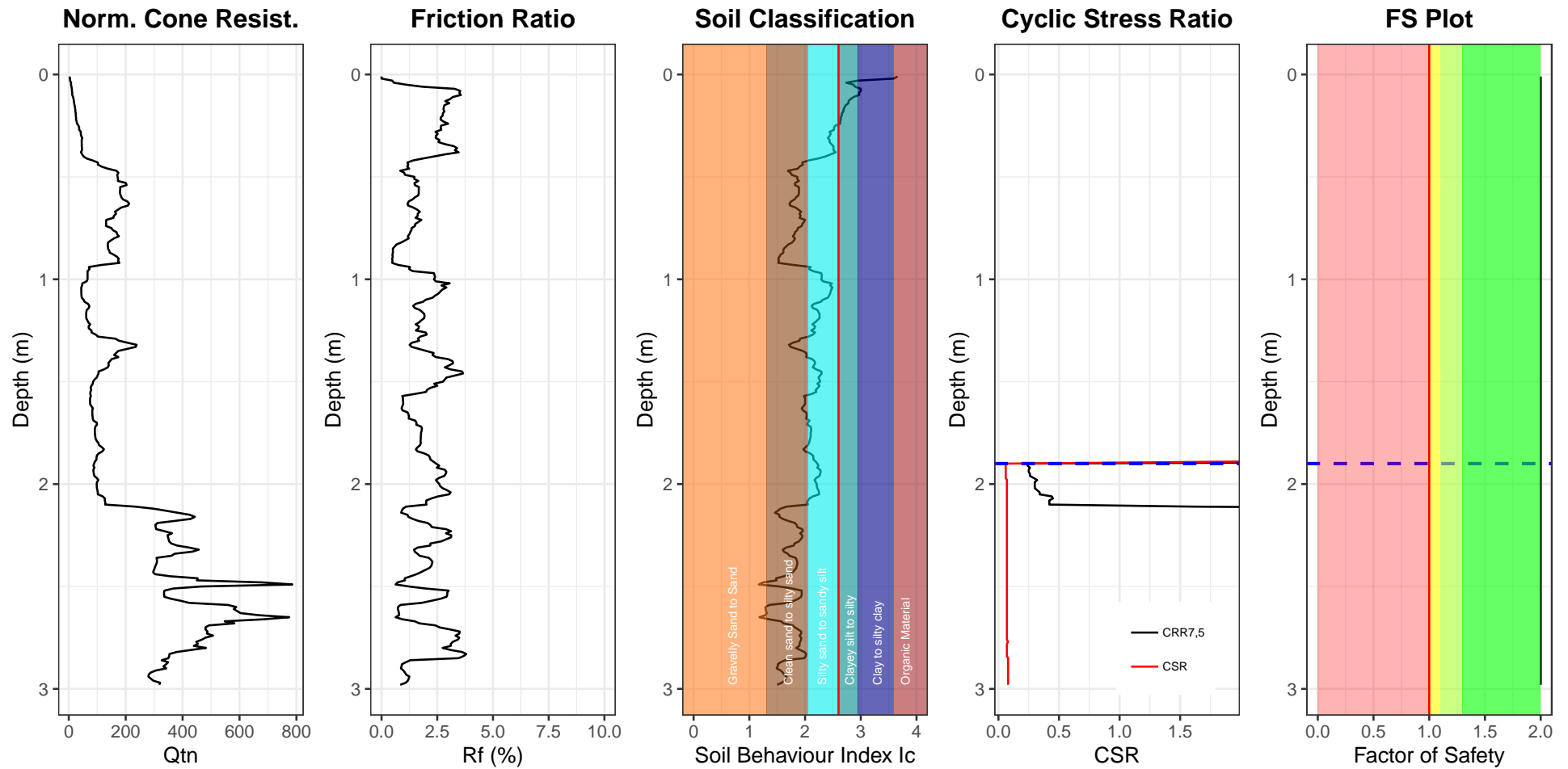
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.9
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620627 , 5429455

Raw Data Plots - CPT_170181



CPT_170181



Outputs for CPT_170181:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

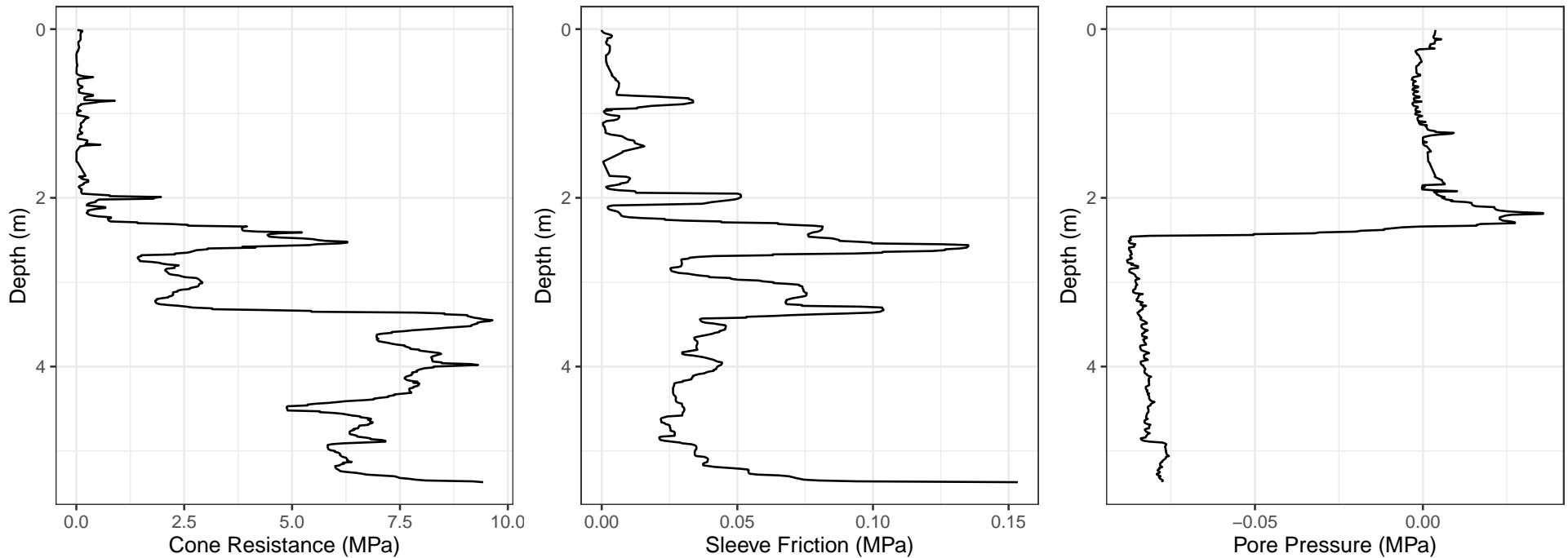
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

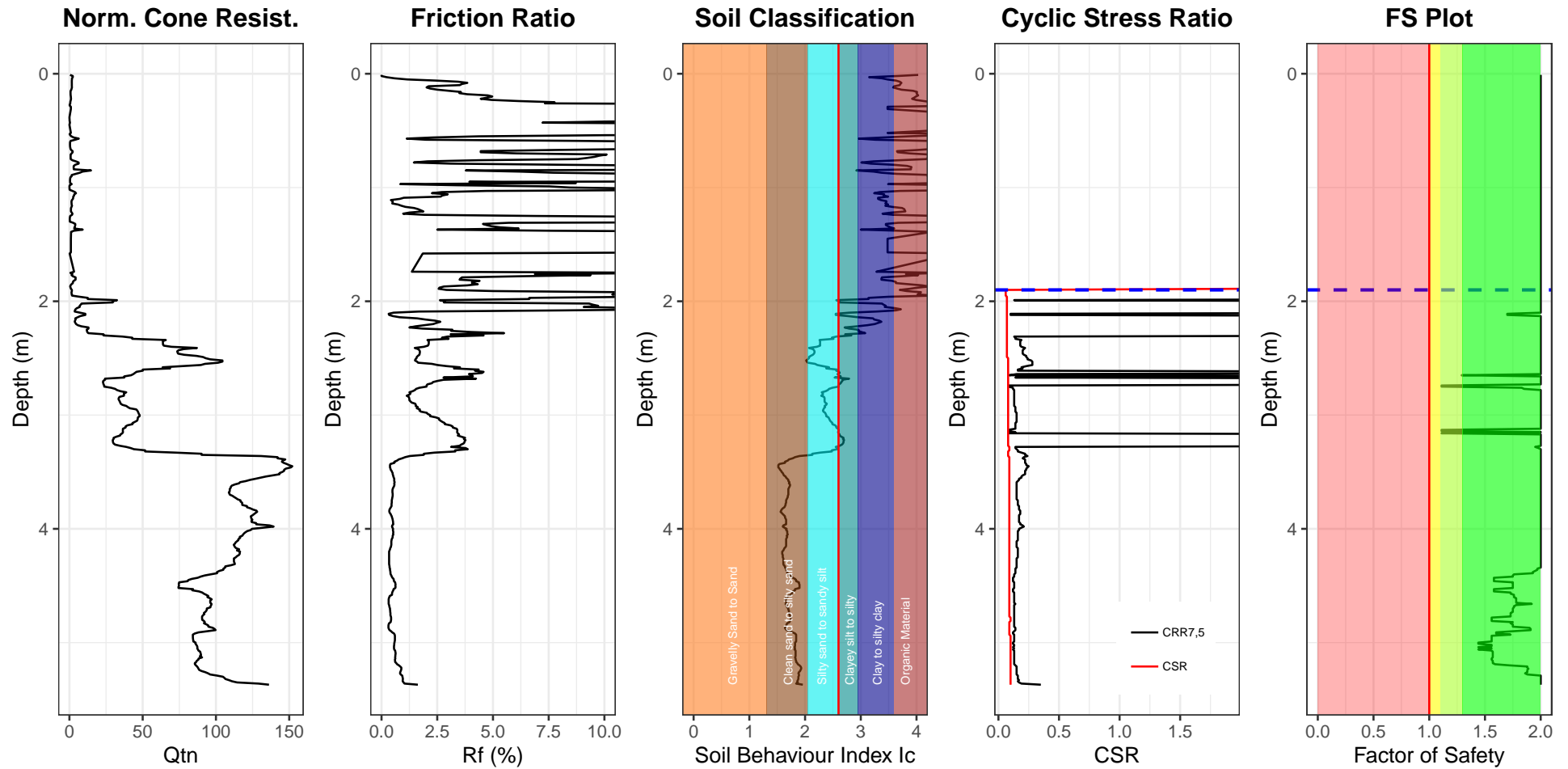
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.9
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620627 , 5429455

Raw Data Plots - CPT_170182



CPT_170182



Outputs for CPT_170182:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

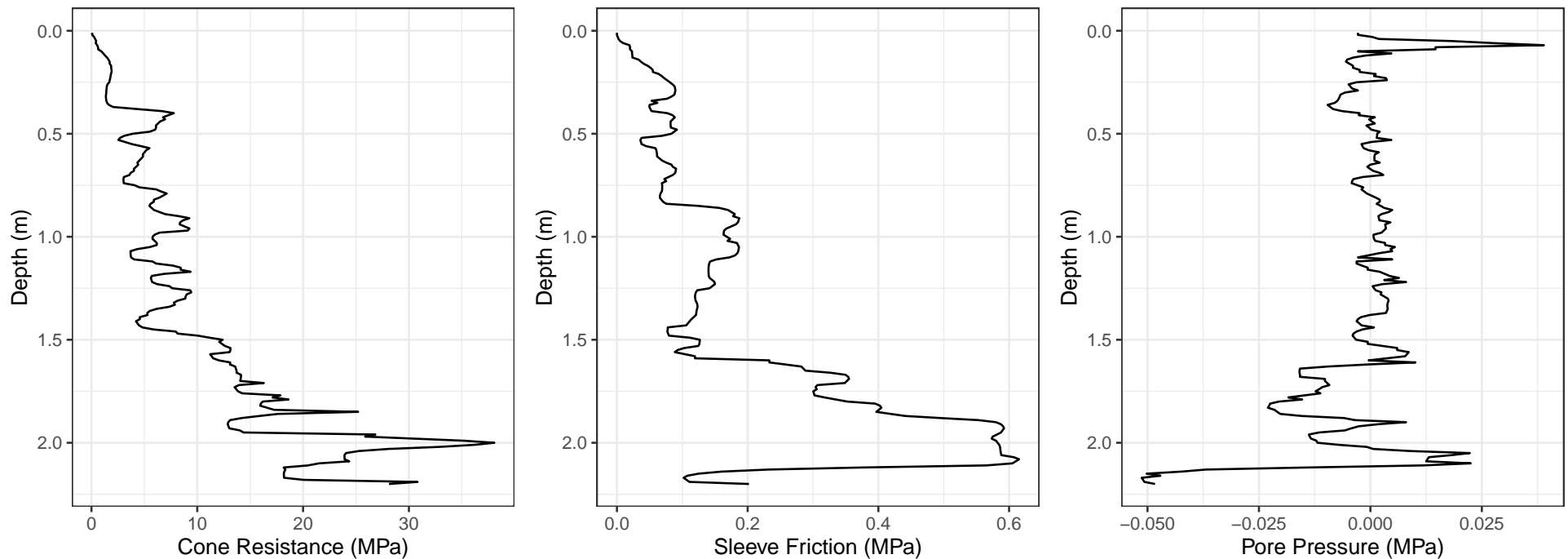
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

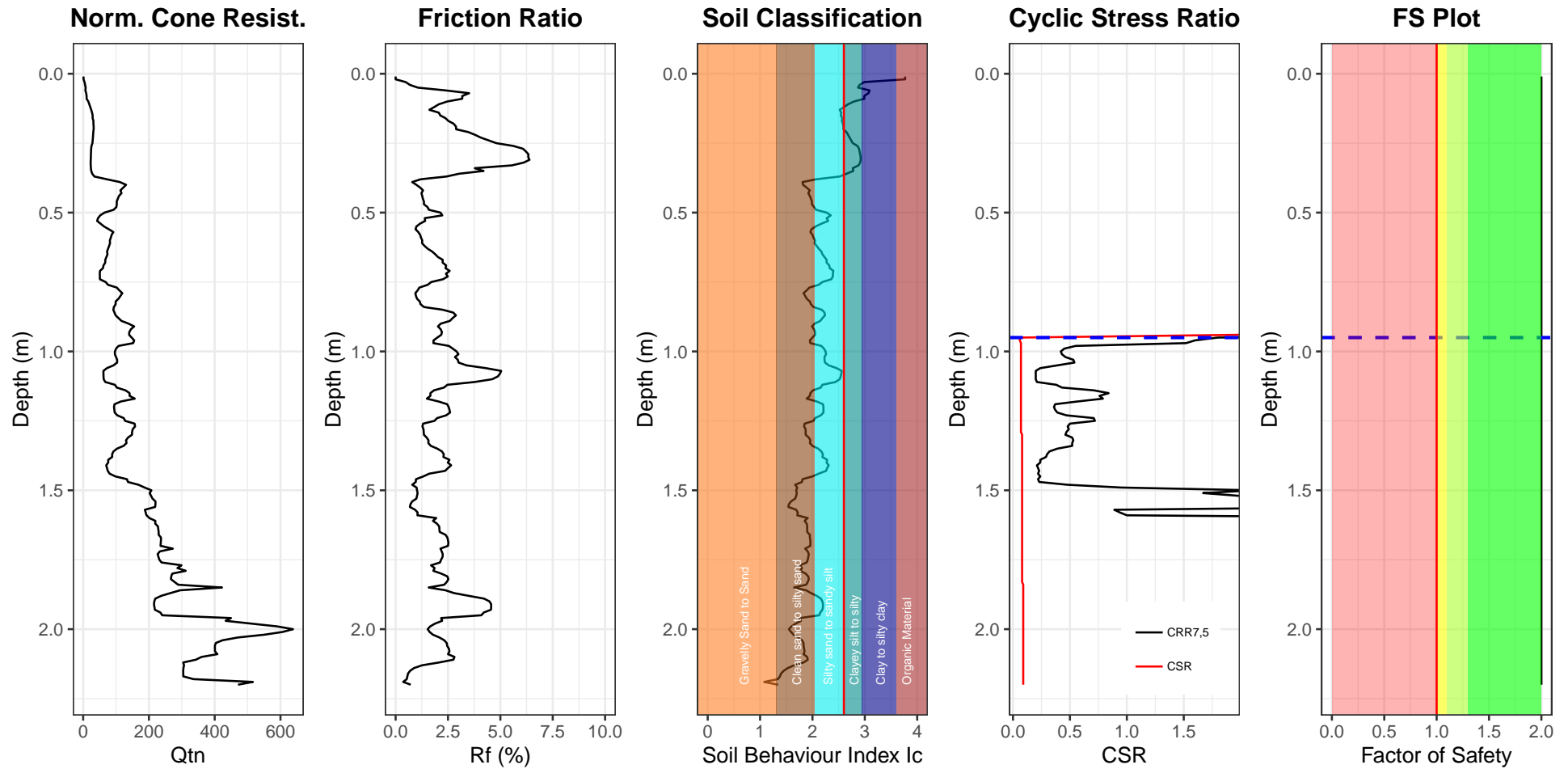
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170183



CPT_170183



Outputs for CPT_170183:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

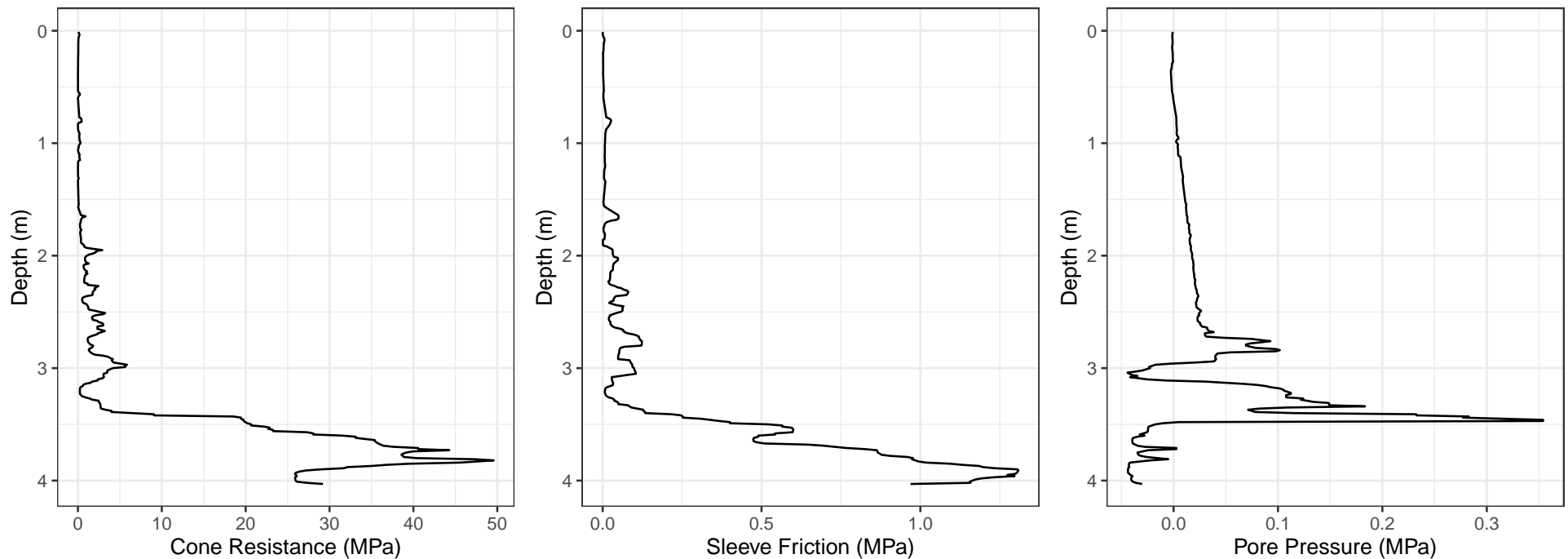
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

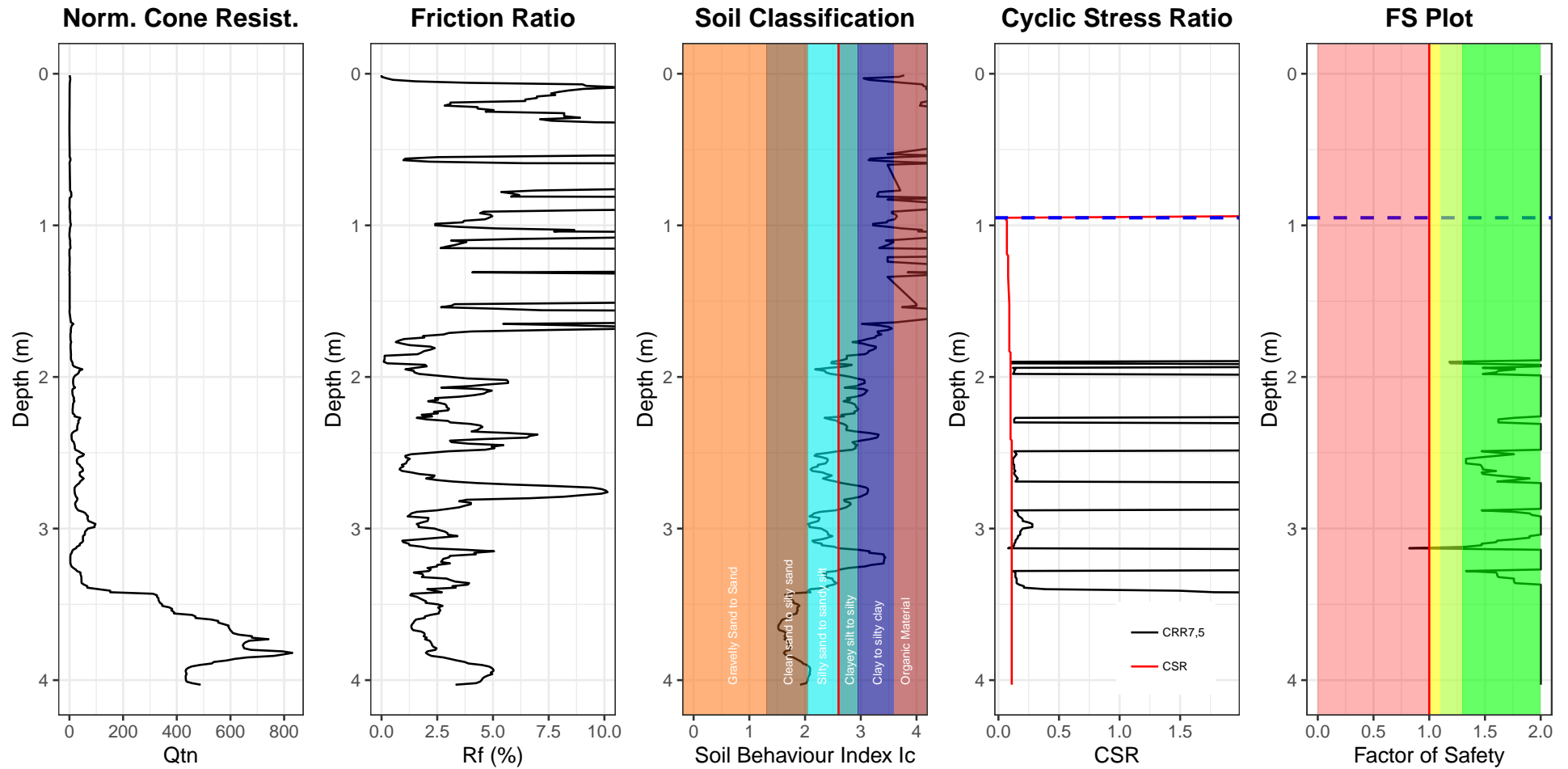
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170184



CPT_170184



Outputs for CPT_170184:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

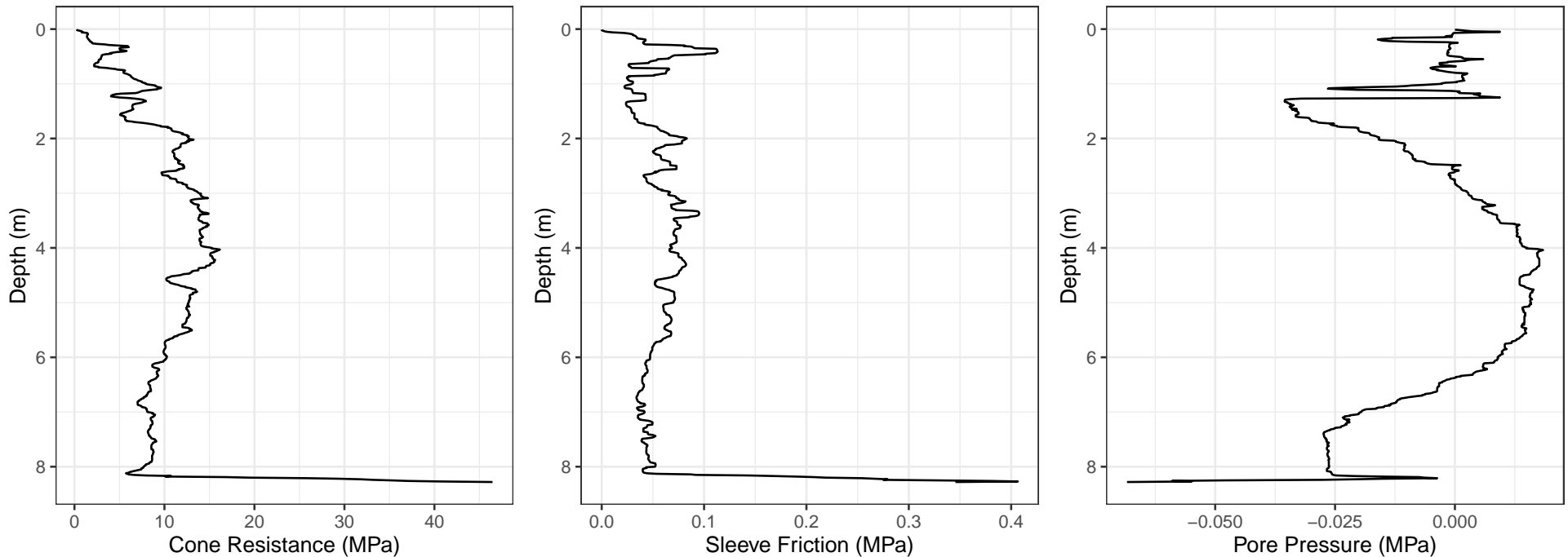
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

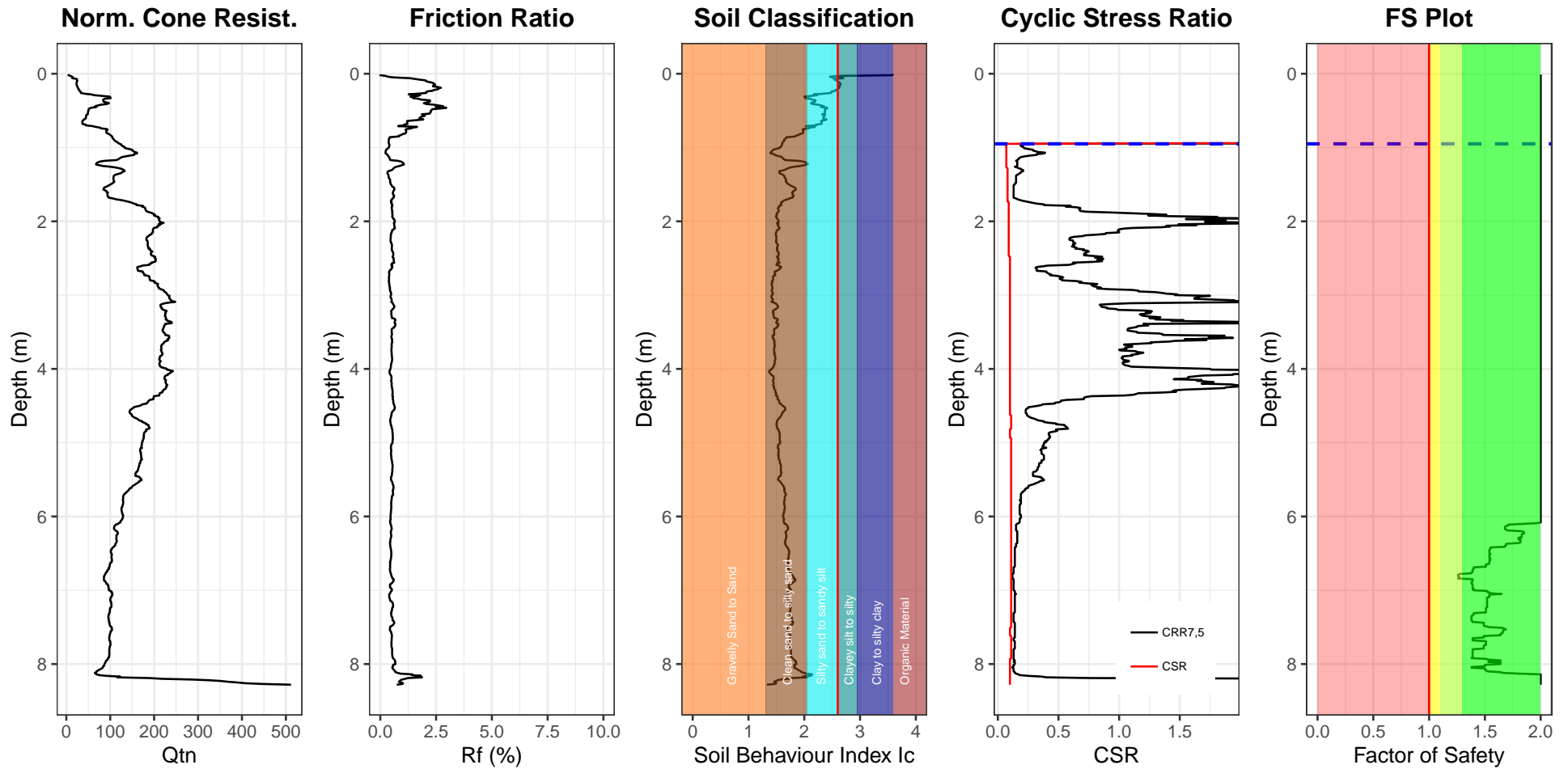
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620359 , 5429301

Raw Data Plots - CPT_170185



CPT_170185



Outputs for CPT_170185:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

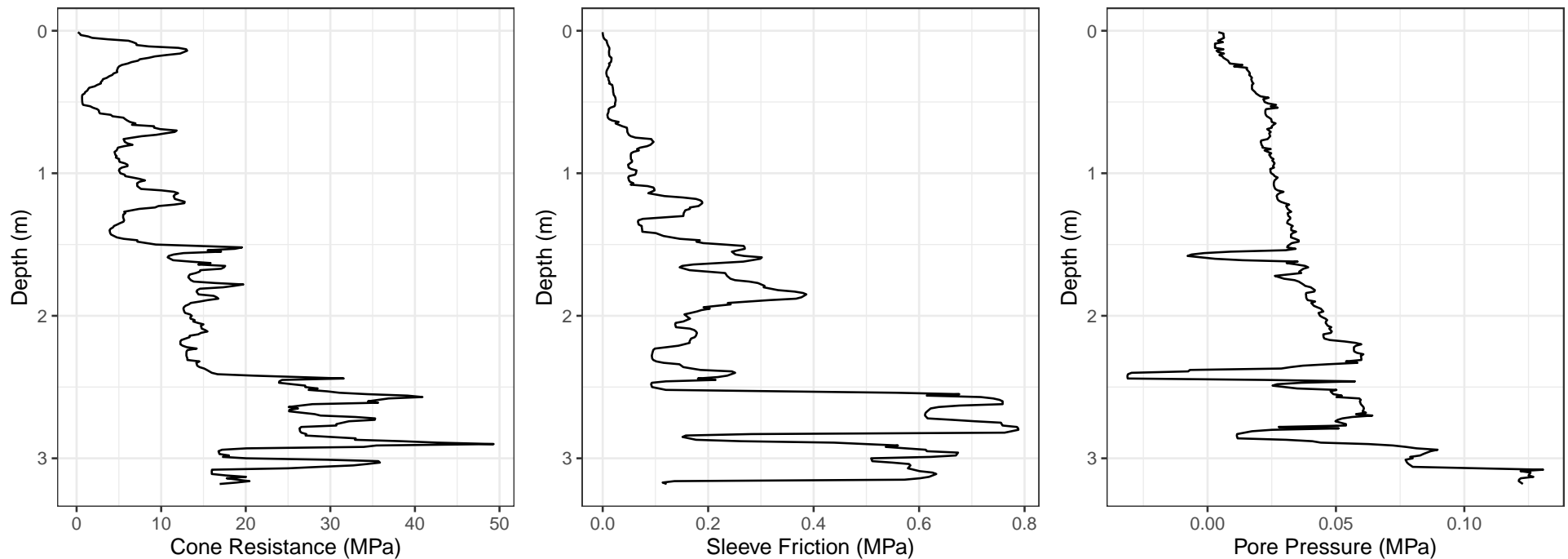
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

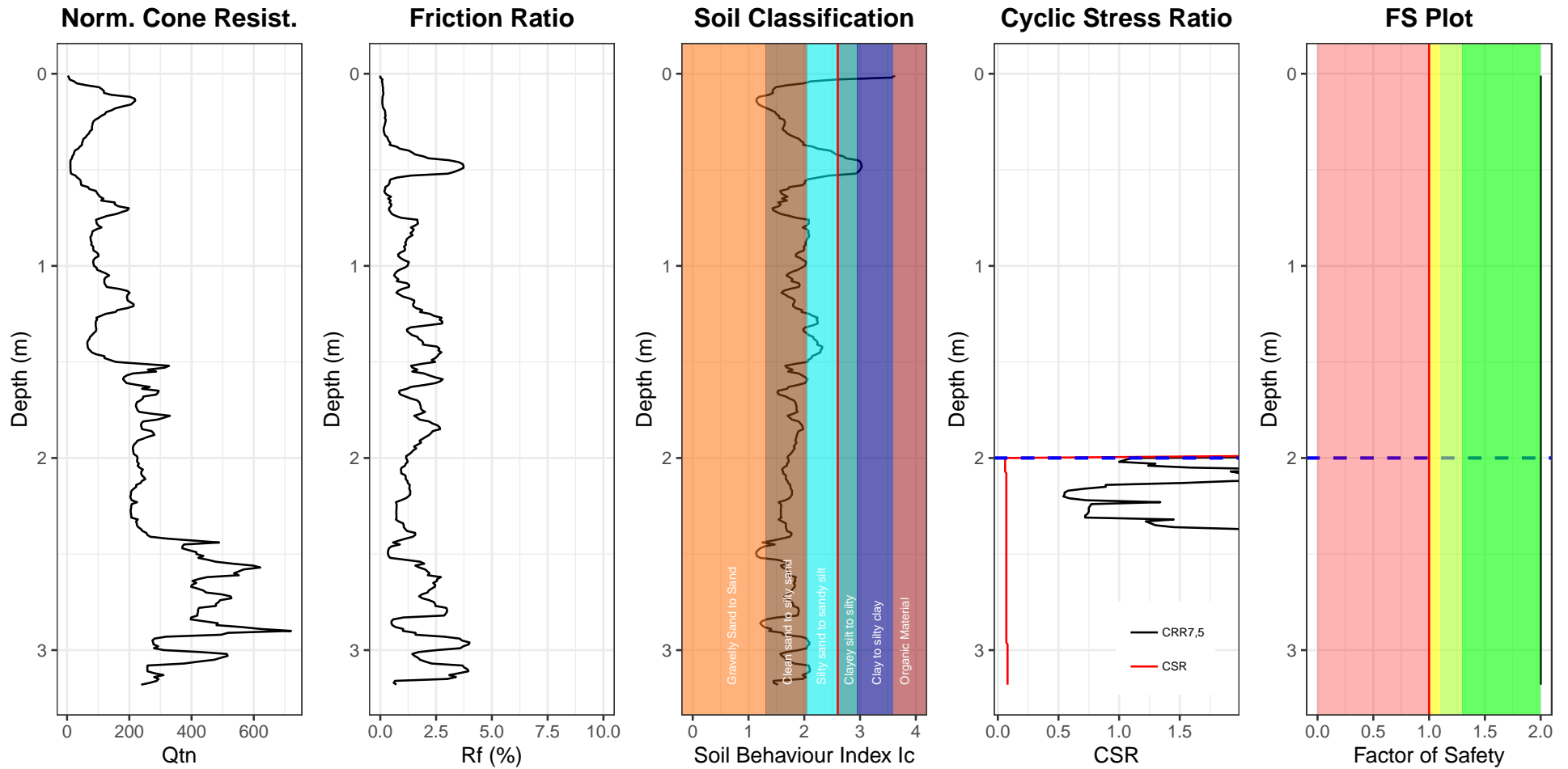
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620592 , 5429302

Raw Data Plots - CPT_170186



CPT_170186



Outputs for CPT_170186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

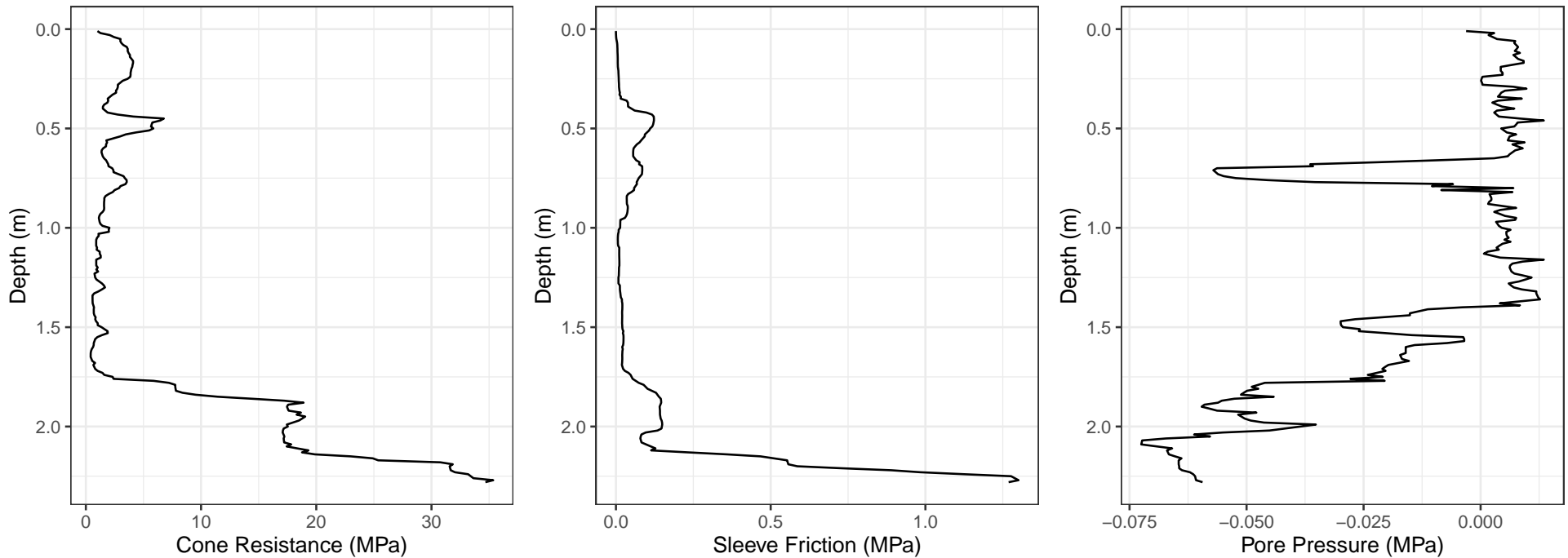
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

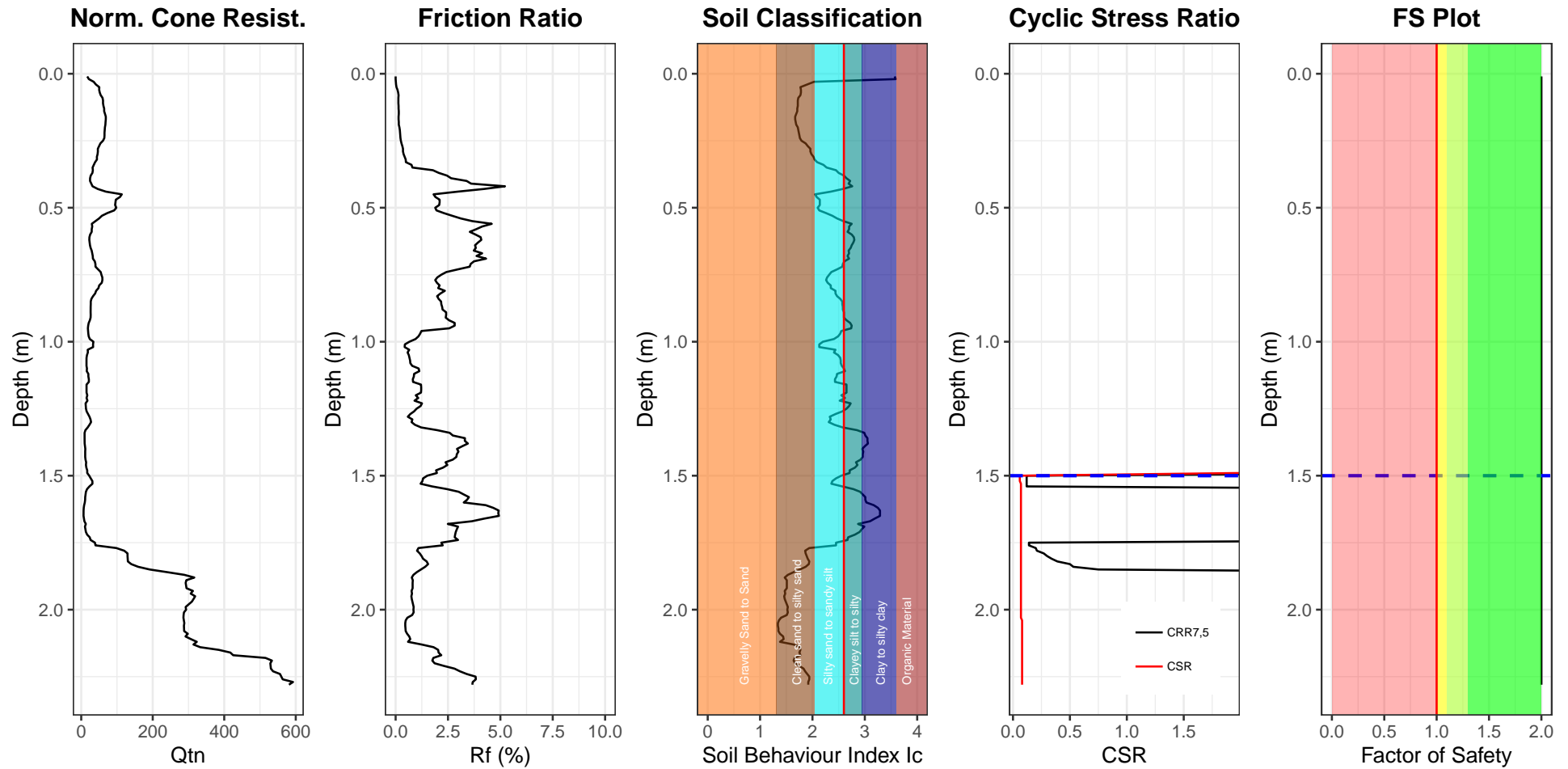
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428994

Raw Data Plots - CPT_170187



CPT_170187



Outputs for CPT_170187:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

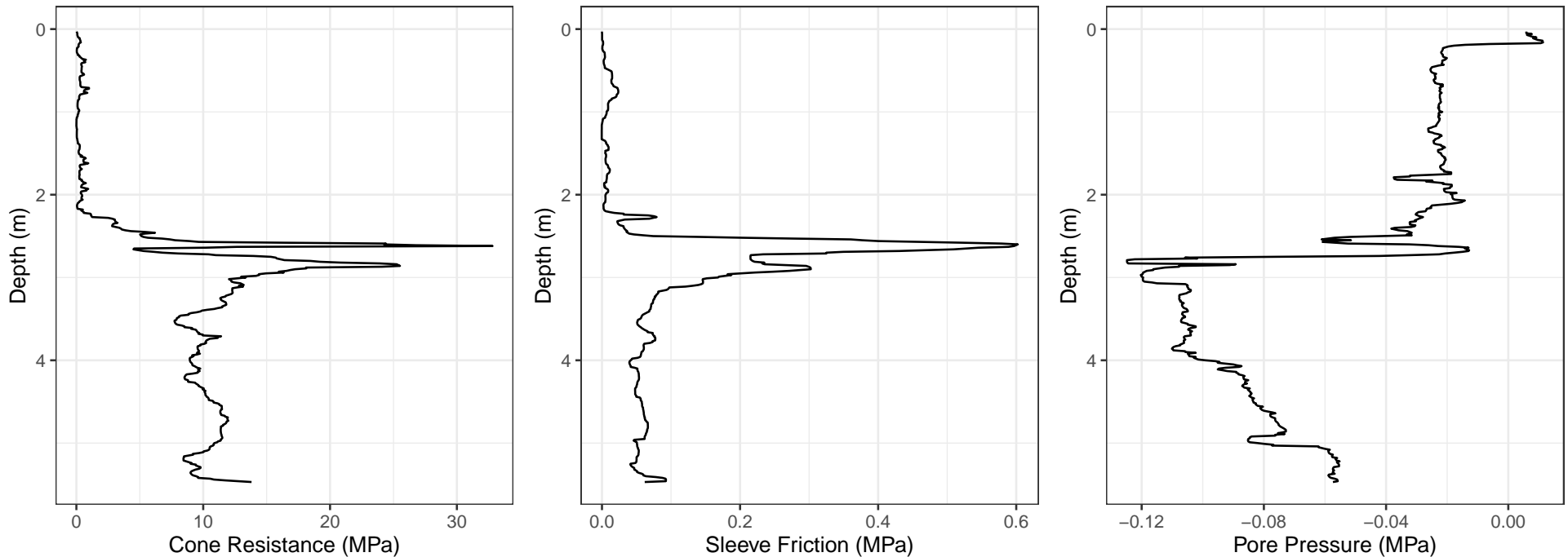
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

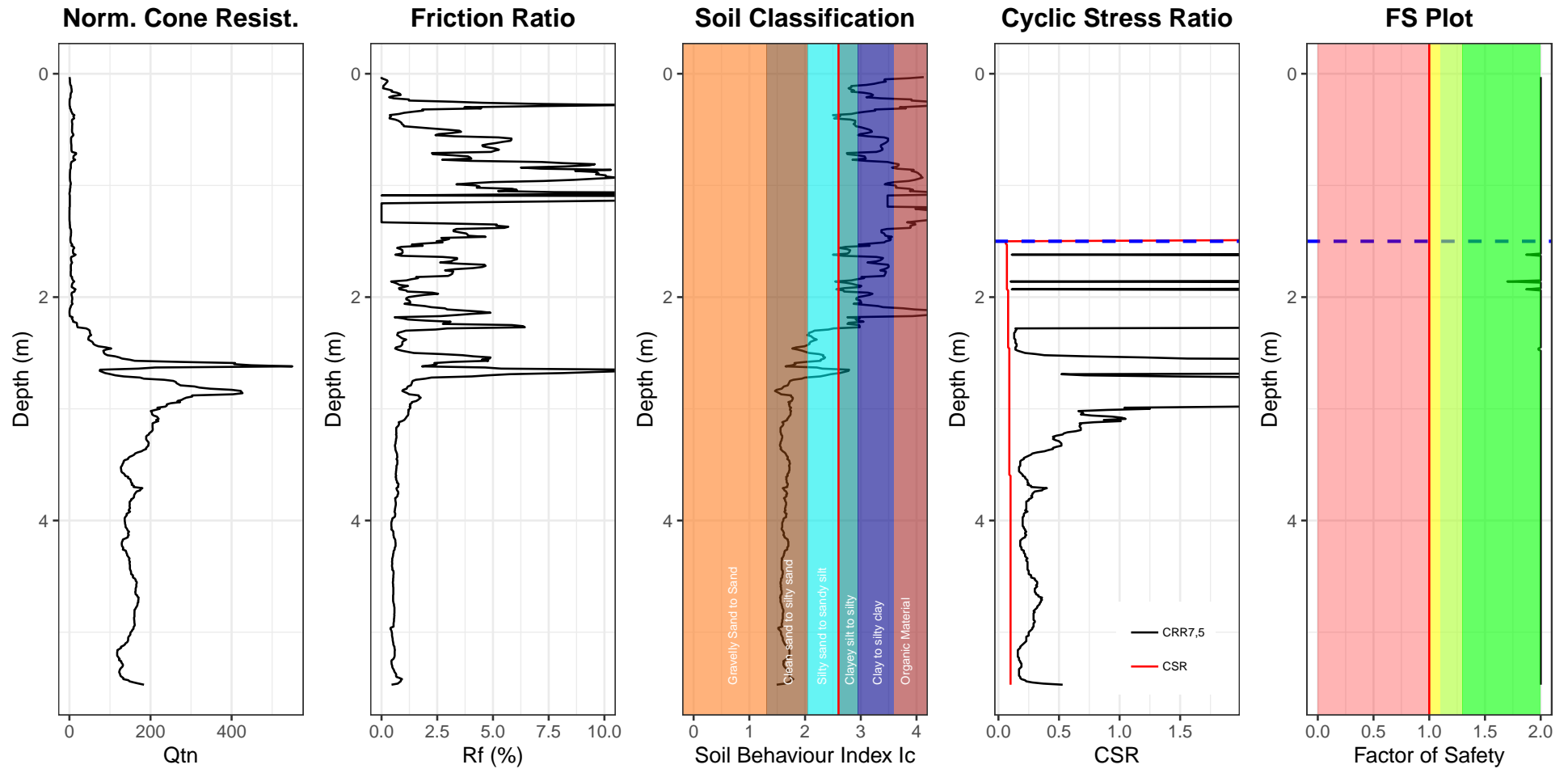
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428997

Raw Data Plots - CPT_170188



CPT_170188



Outputs for CPT_170188:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

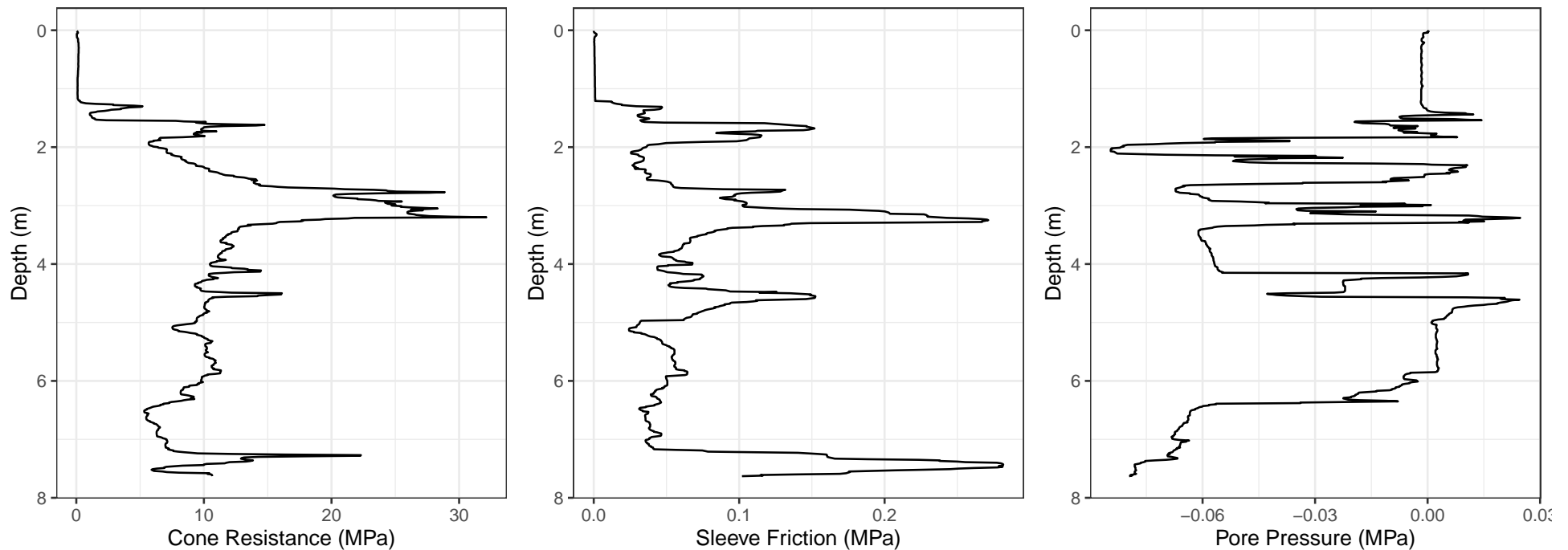
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

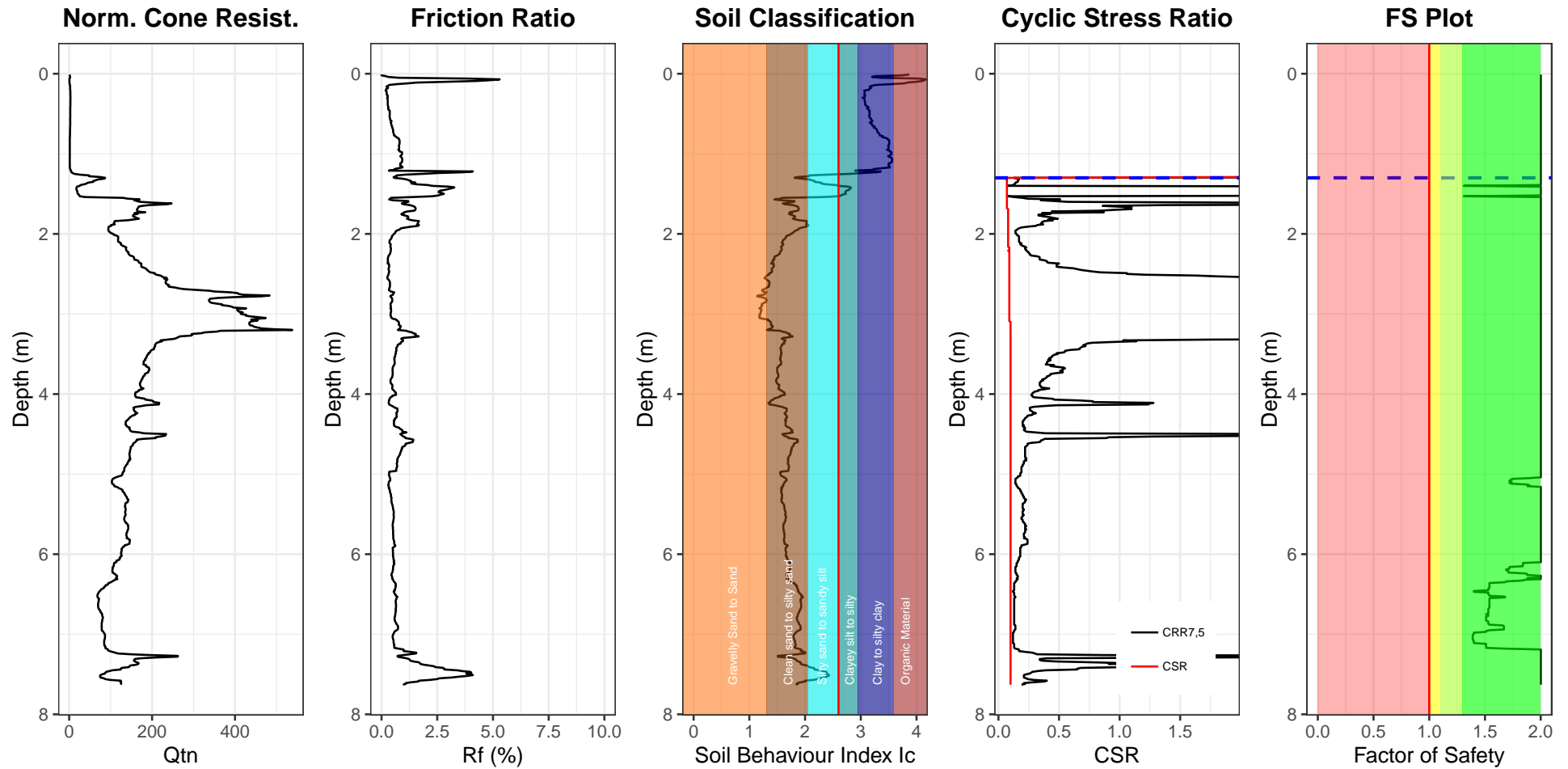
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620450 , 5428857

Raw Data Plots - CPT_170189



CPT_170189



Outputs for CPT_170189:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

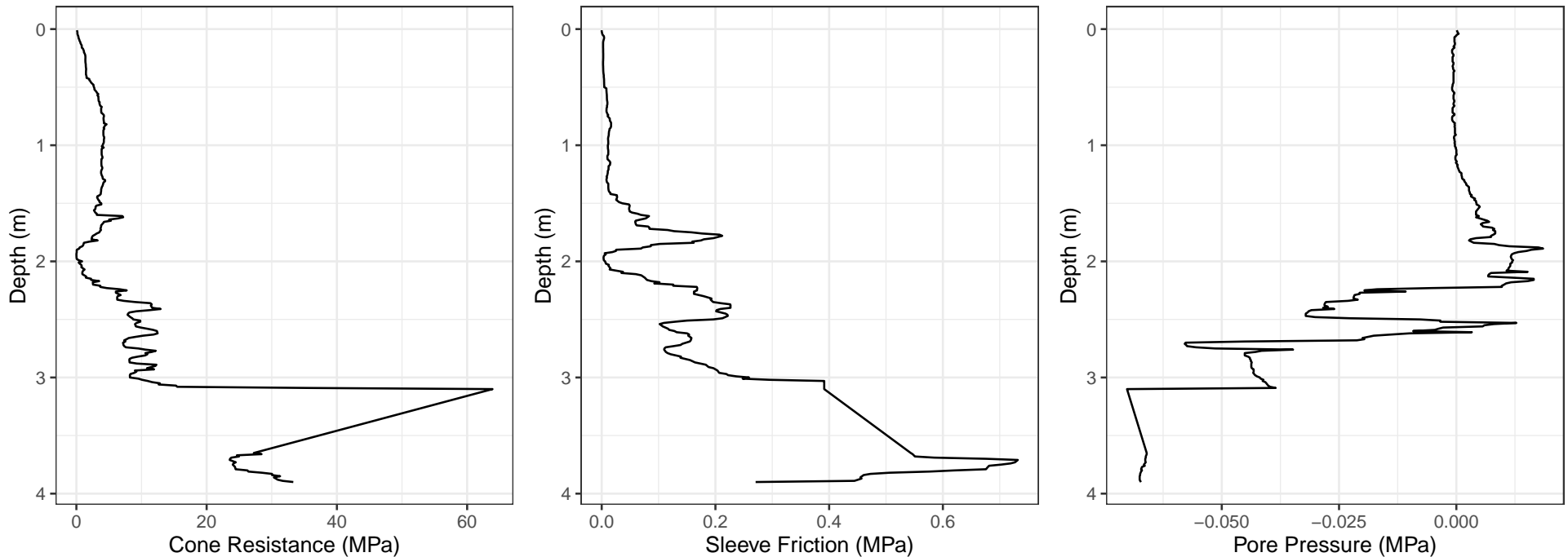
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

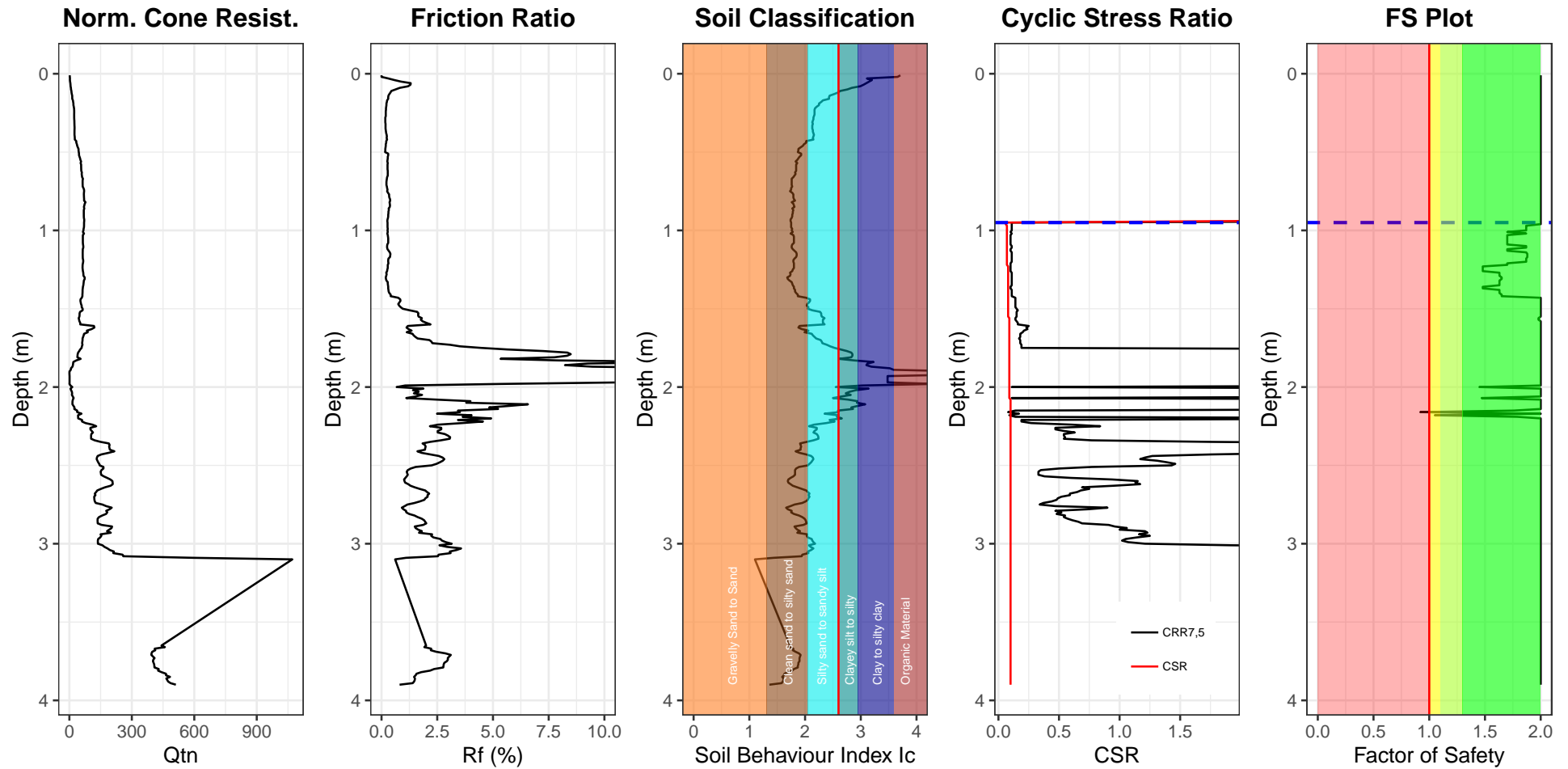
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170190



CPT_170190



Outputs for CPT_170190:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

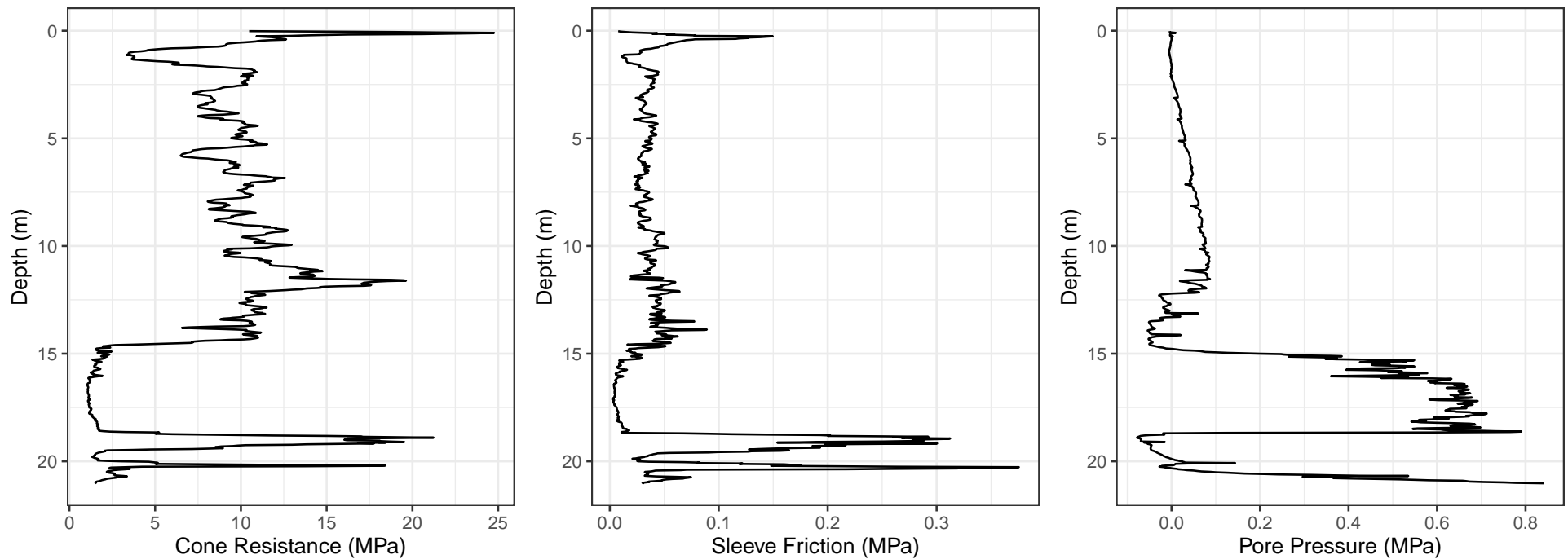
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

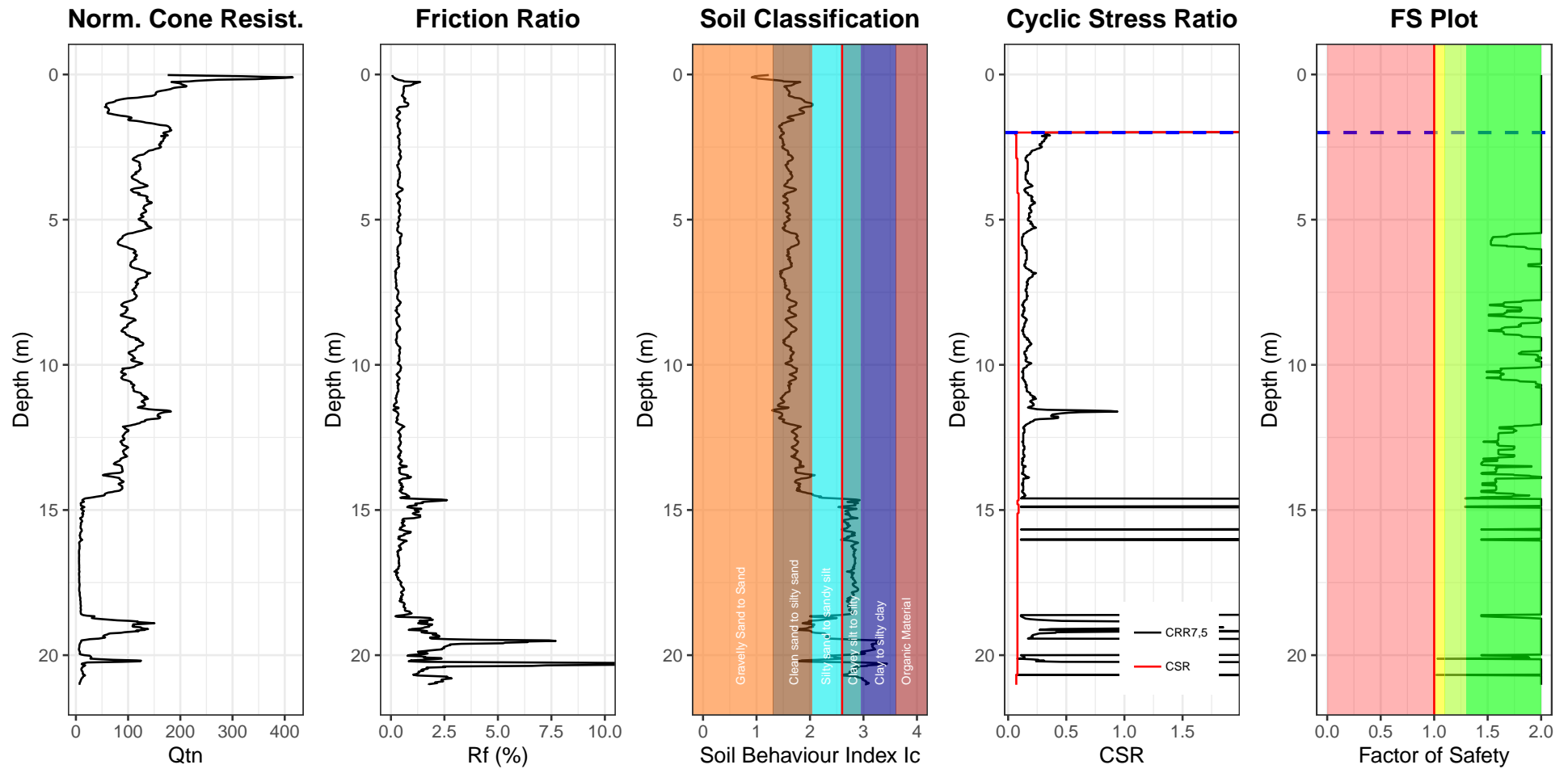
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620178 , 5430066

Raw Data Plots - CPT_171202



CPT_171202



Outputs for CPT_171202:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

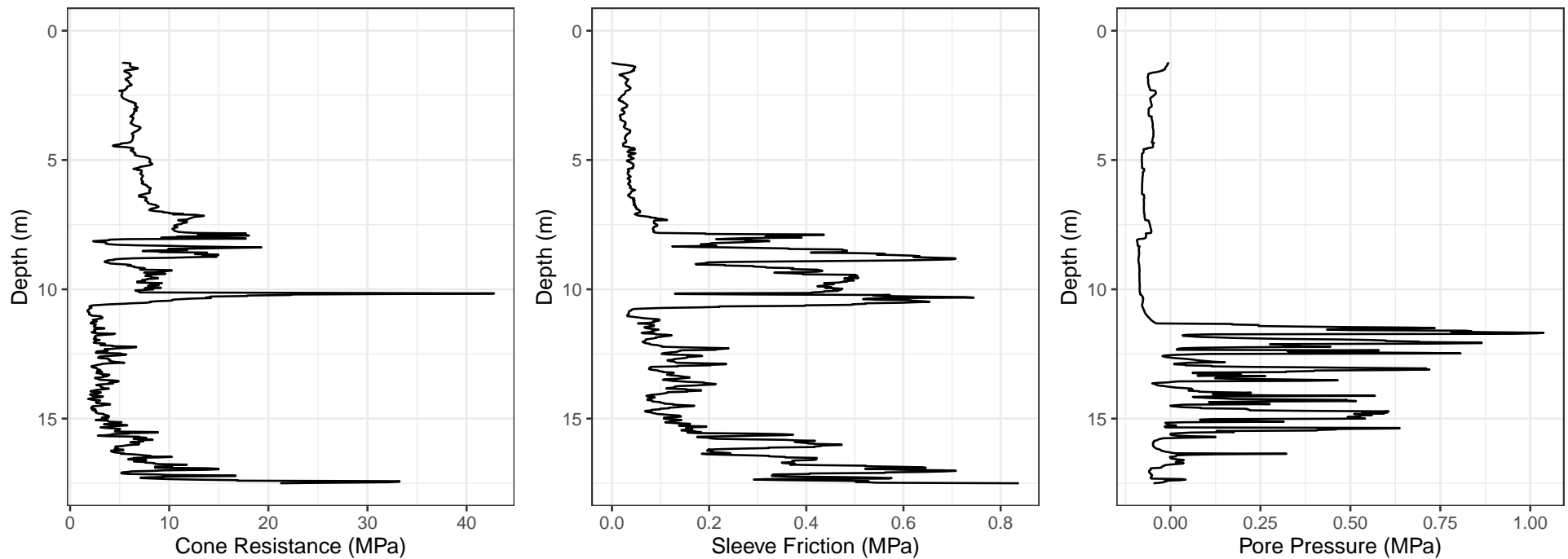
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

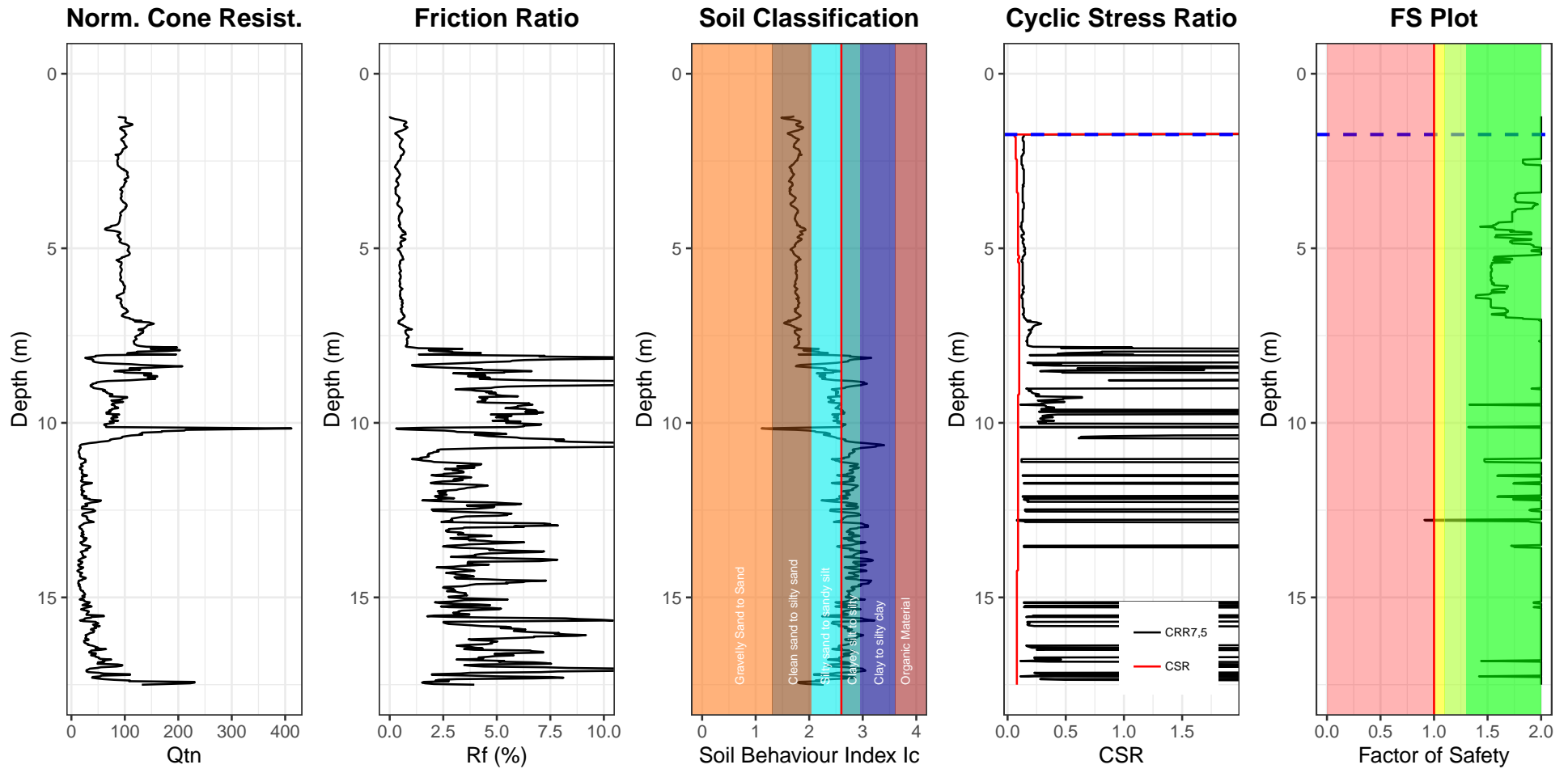
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.74
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.22
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619581 , 5427954

Raw Data Plots - CPT_171648



CPT_171648



Outputs for CPT_171648:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
2	0	0

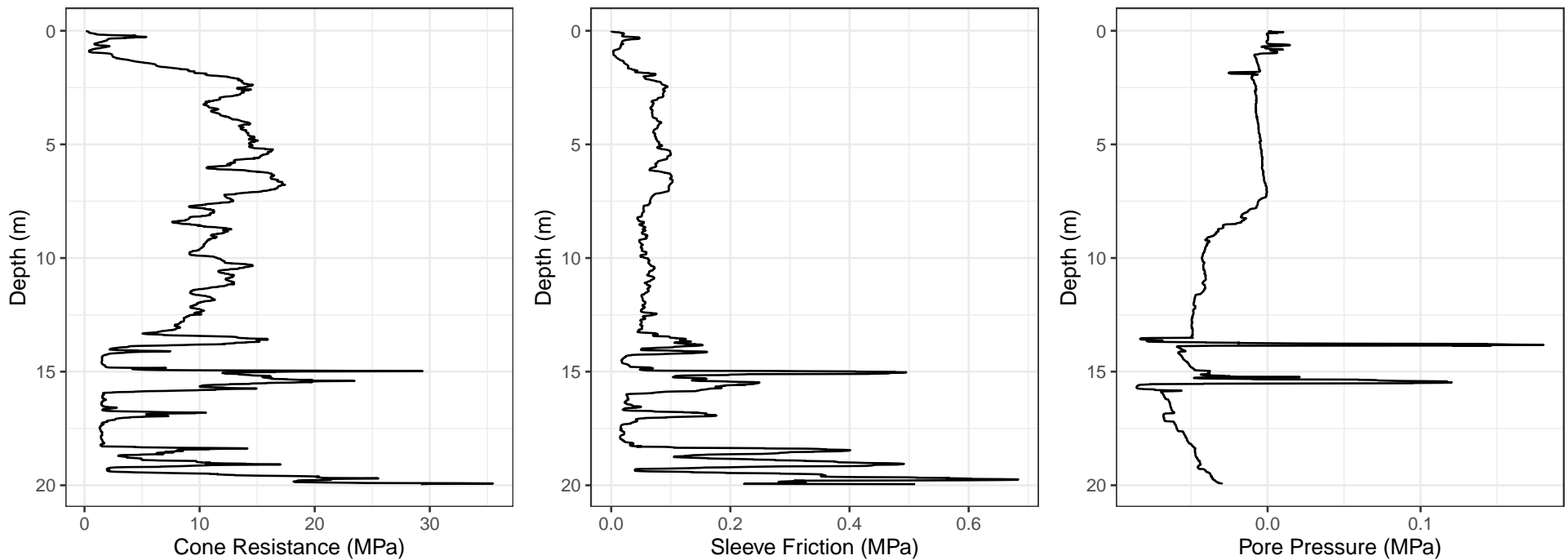
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

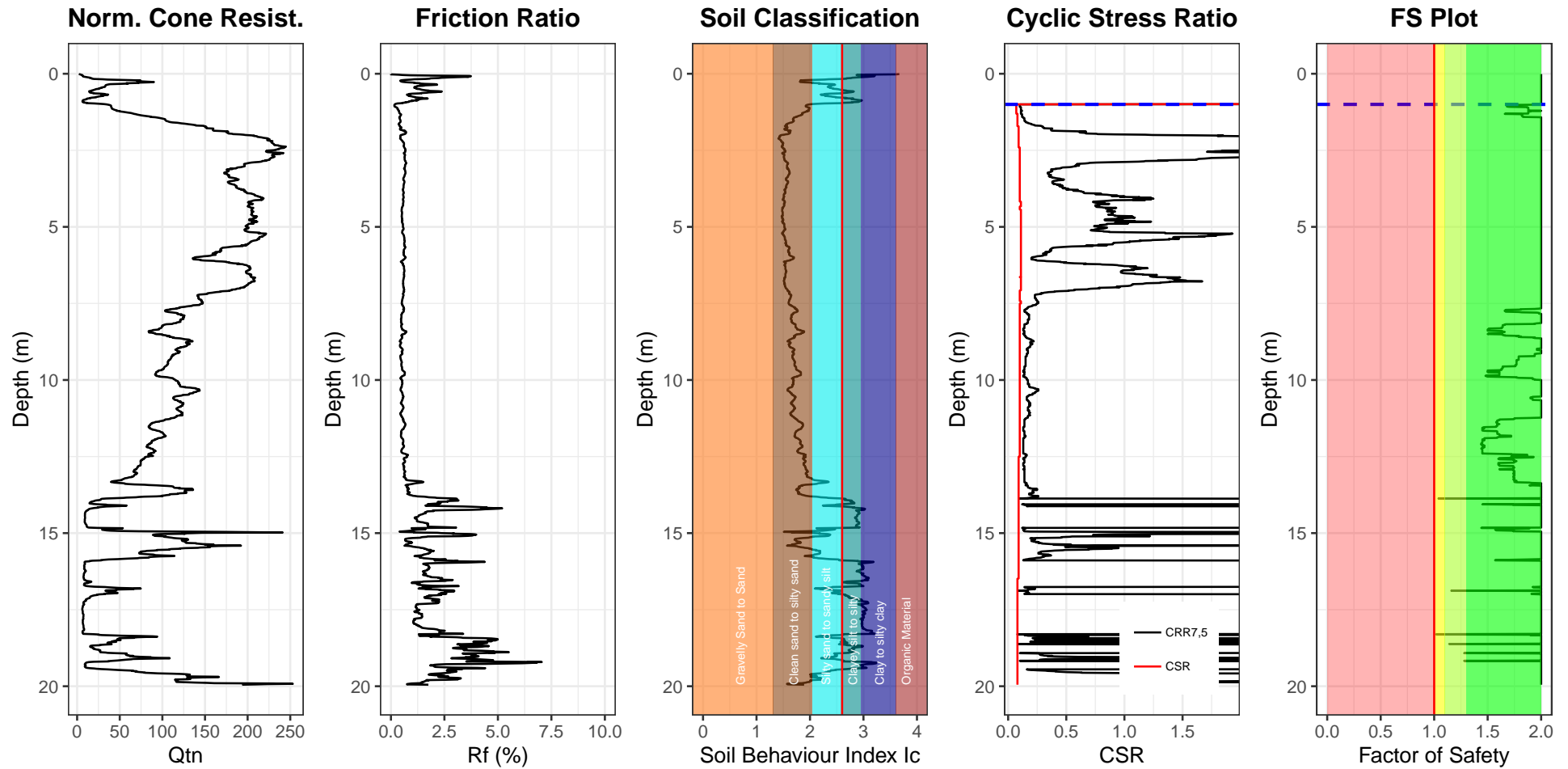
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620062 , 5429295

Raw Data Plots - CPT_171649



CPT_171649



Outputs for CPT_171649:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

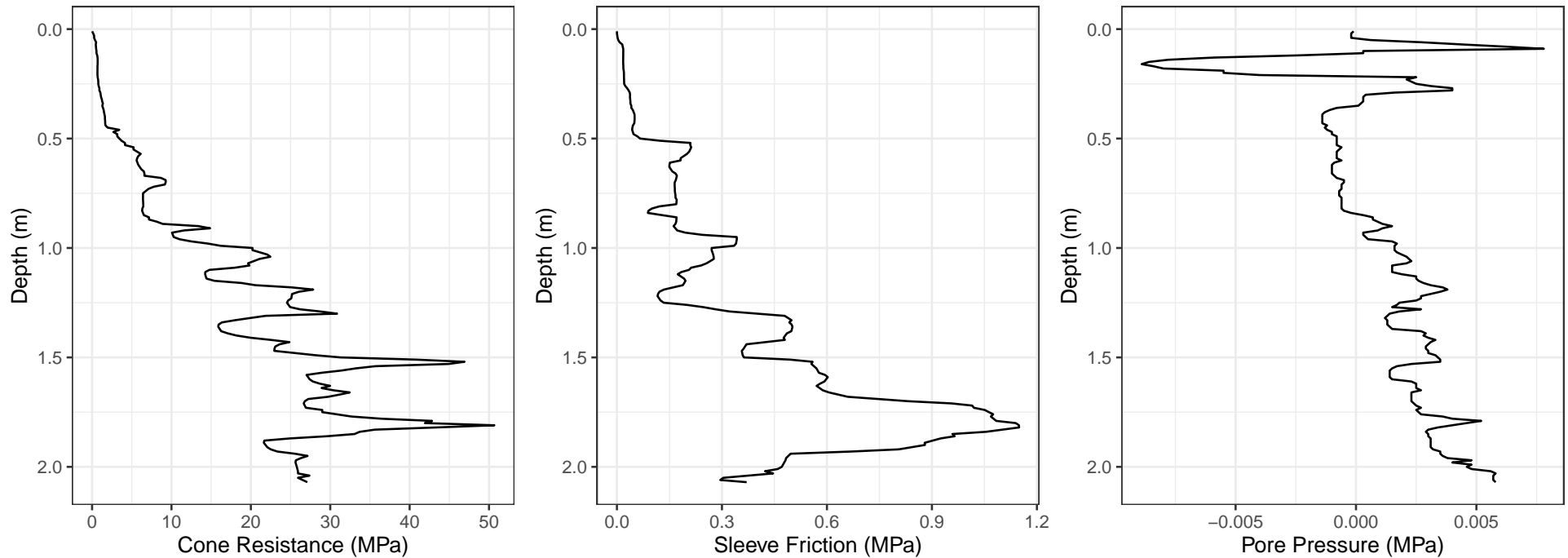
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

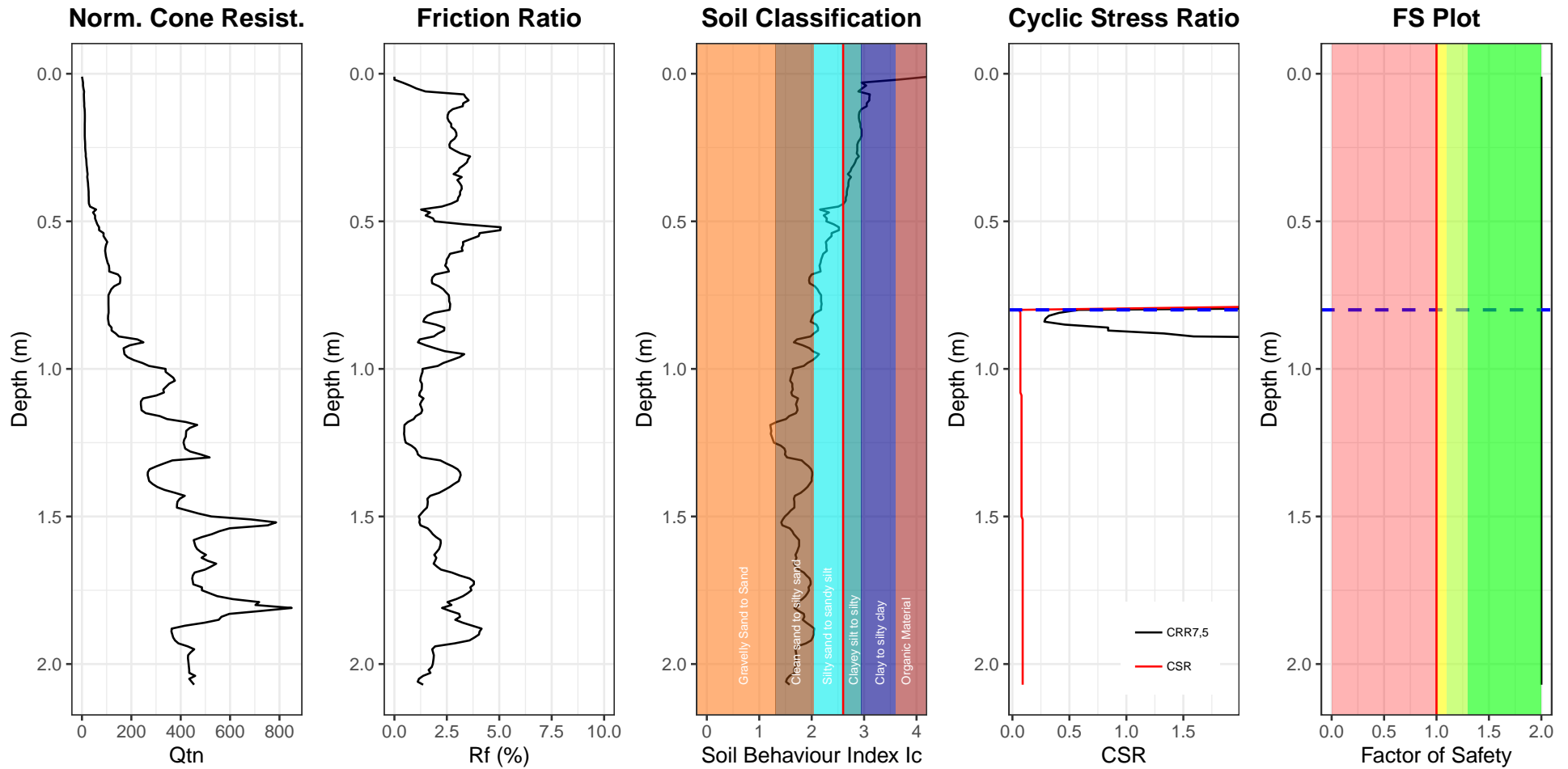
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 25yr	<i>Groundwater (m bgl) :</i>	0.8
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.1	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620650 , 5429650

Raw Data Plots - CPT_171650



CPT_171650



Outputs for CPT_171650:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

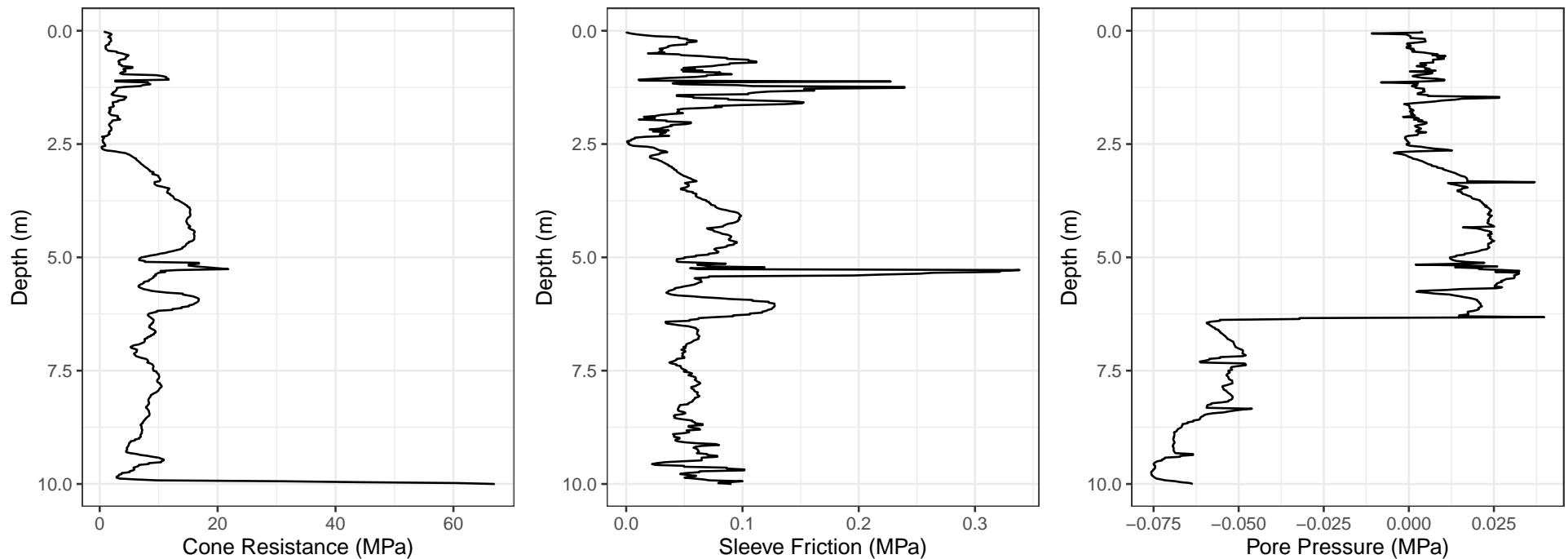
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

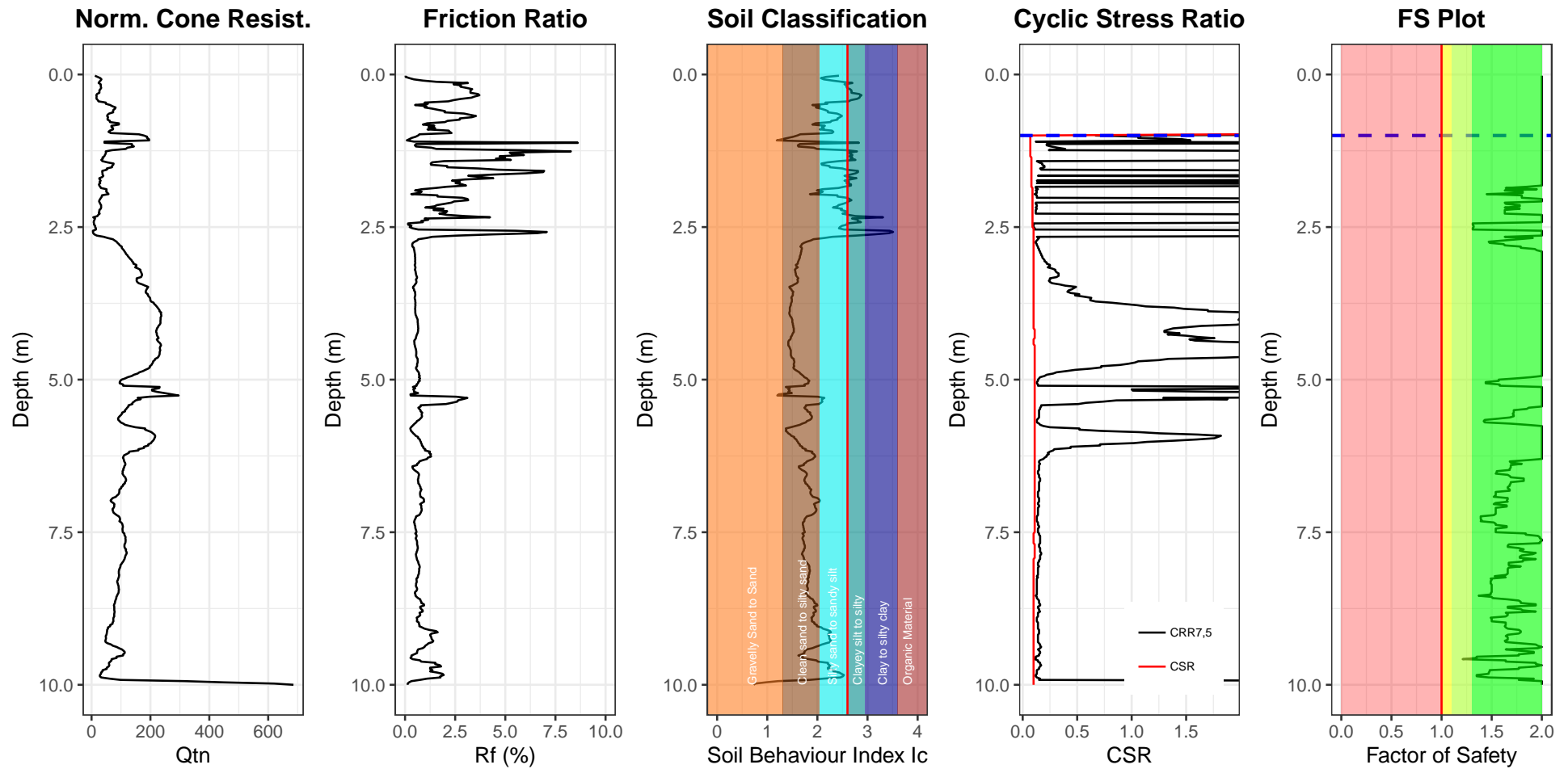
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620423 , 5429674

Raw Data Plots - CPT_171651



CPT_171651



Outputs for CPT_171651:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

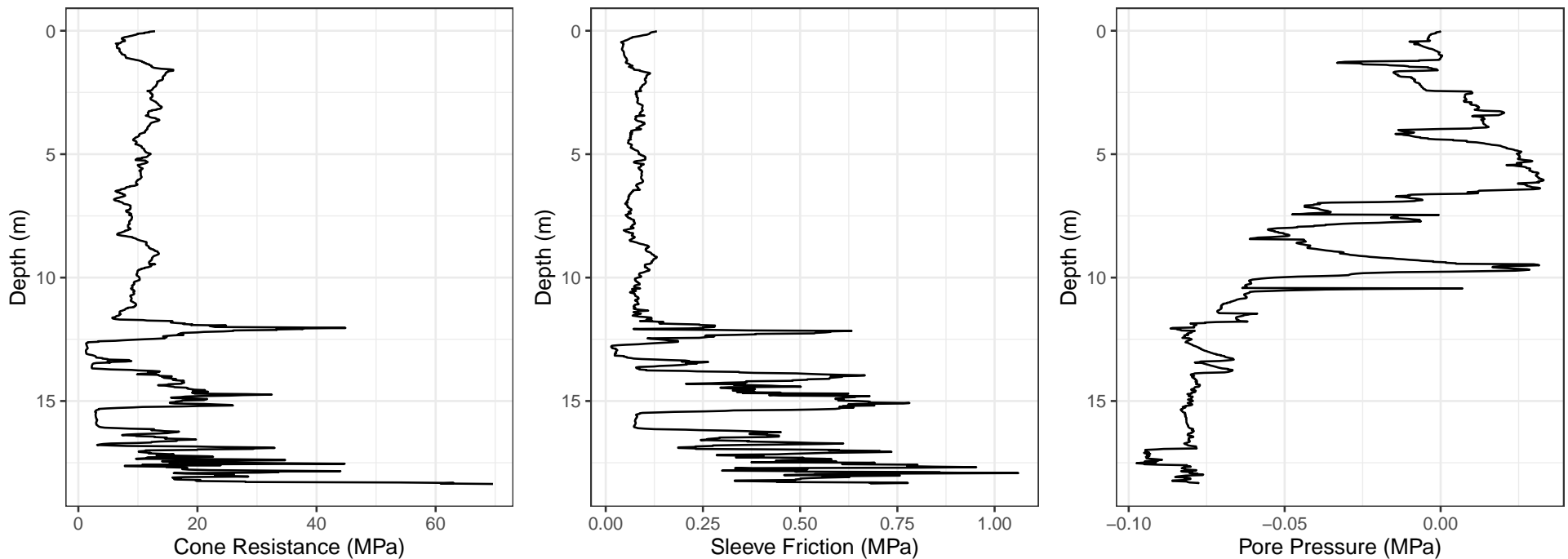
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

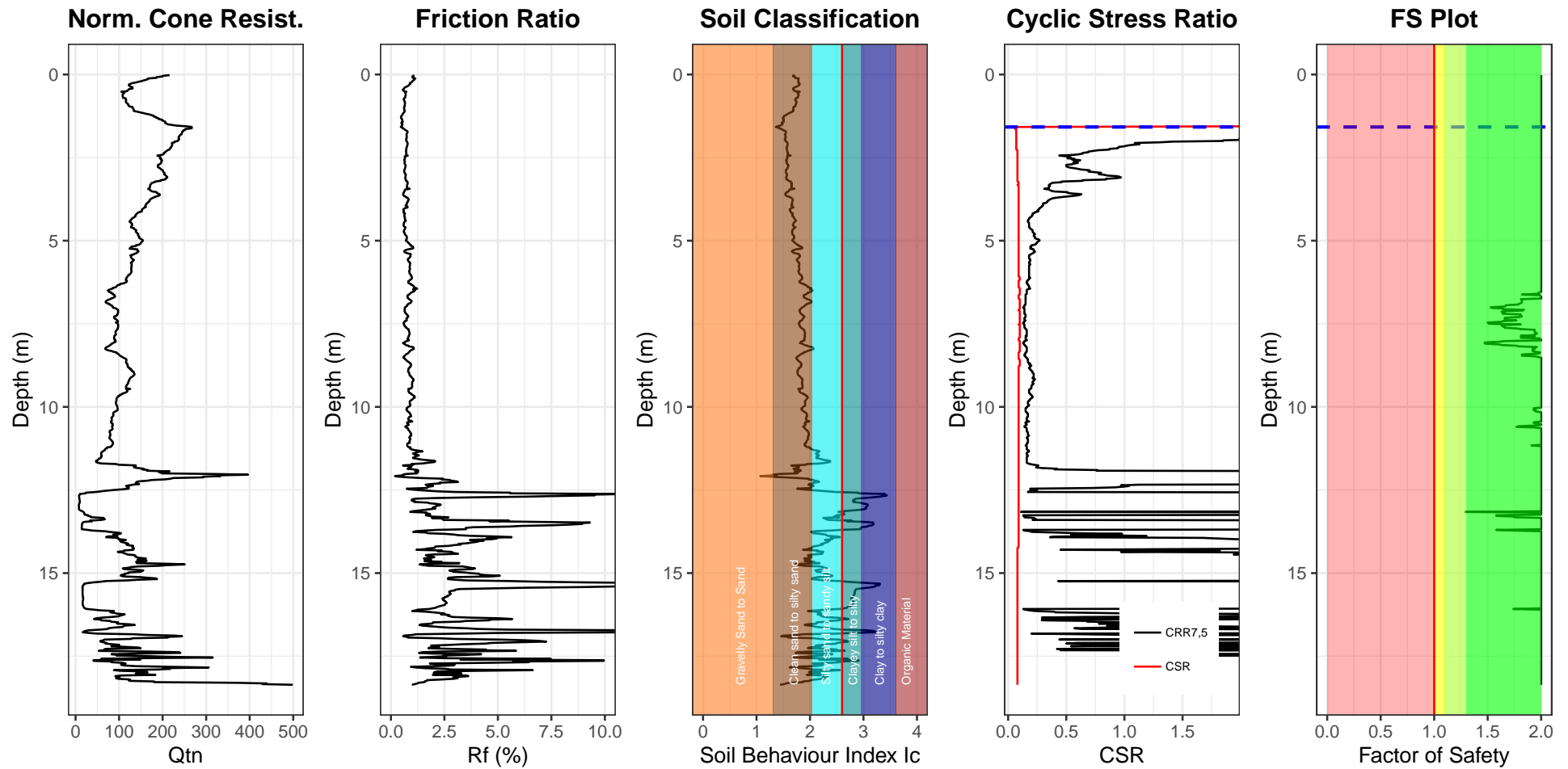
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.58
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620049 , 5429143

Raw Data Plots - CPT_171652



CPT_171652



Outputs for CPT_171652:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

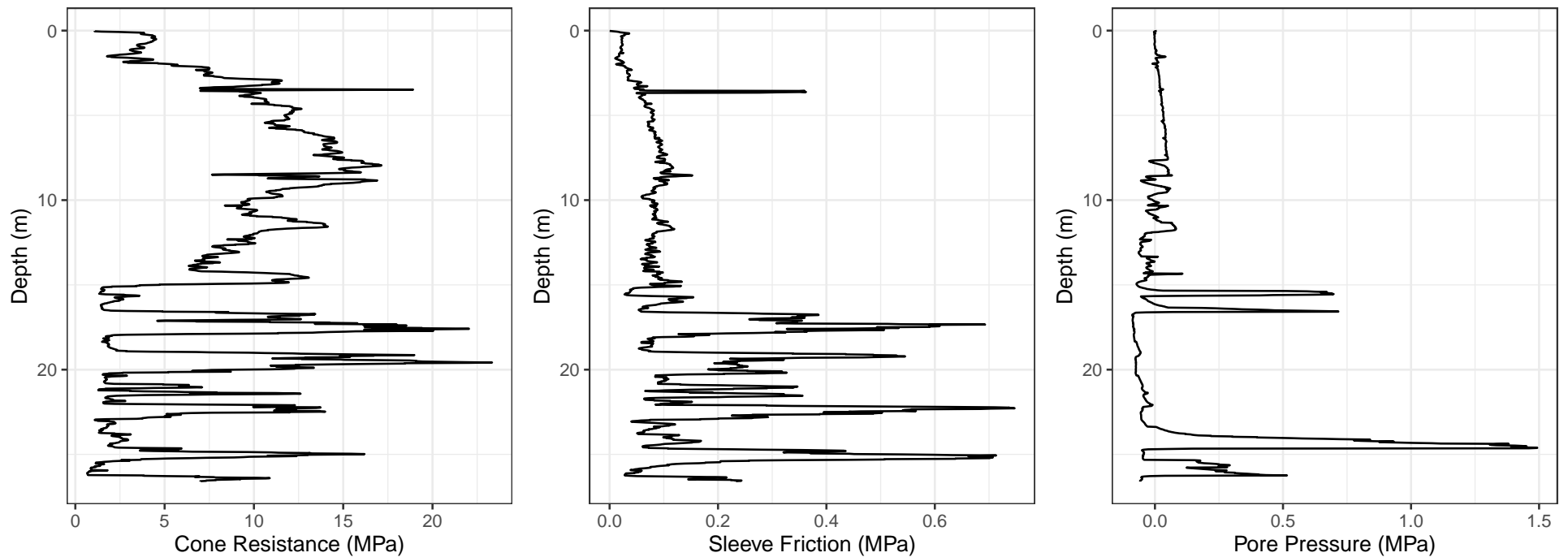
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

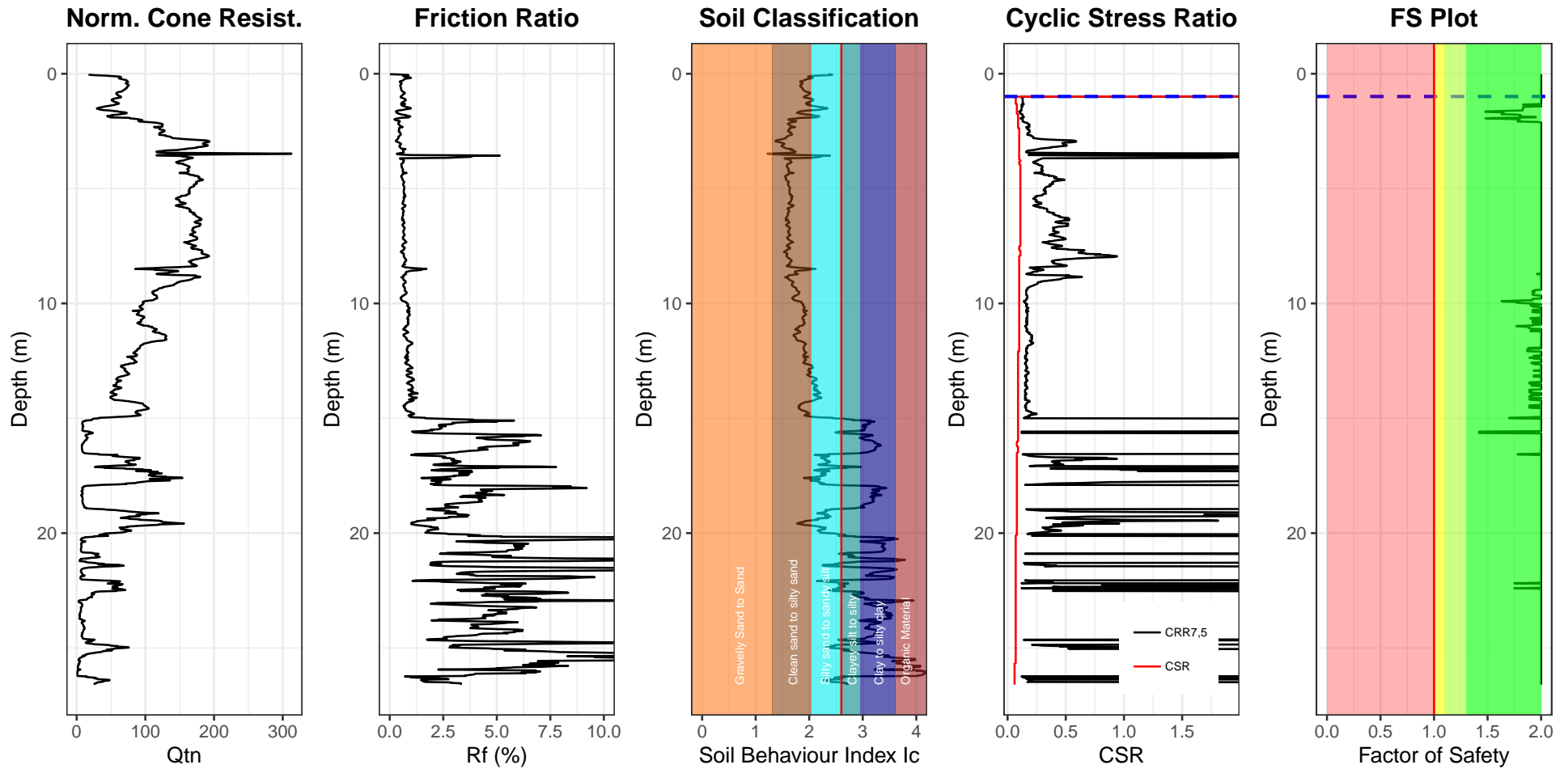
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.99
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619613 , 5429471

Raw Data Plots - CPT_171653



CPT_171653



Outputs for CPT_171653:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

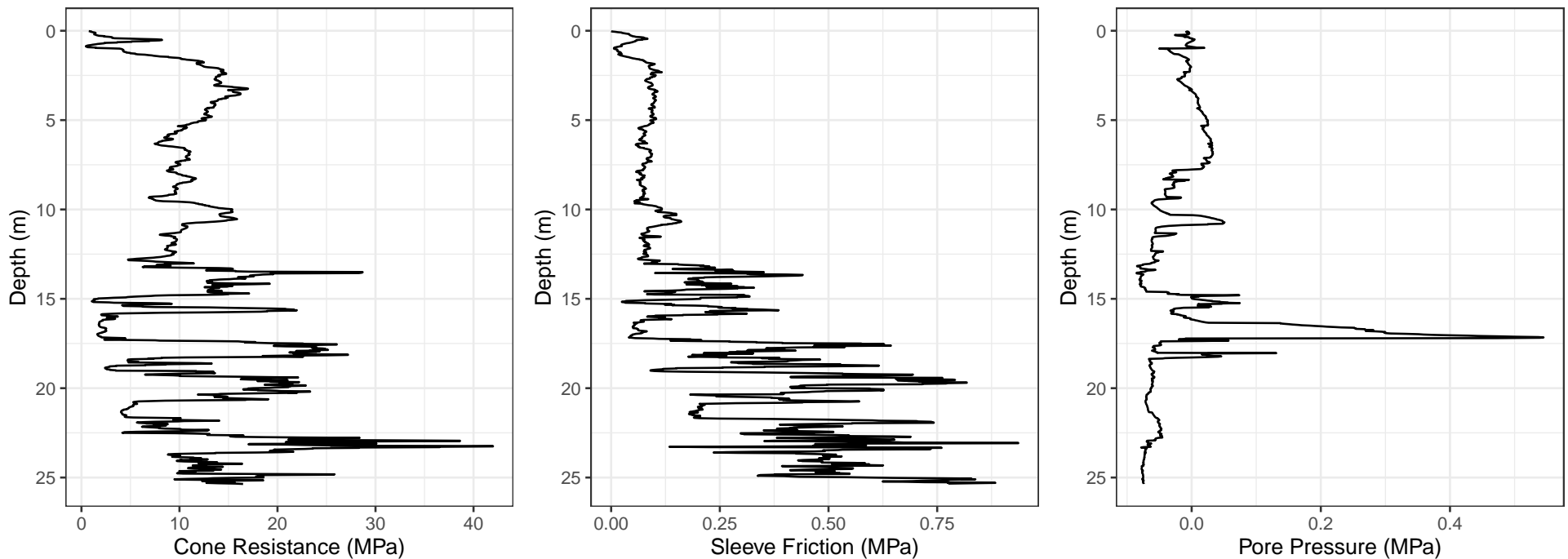
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

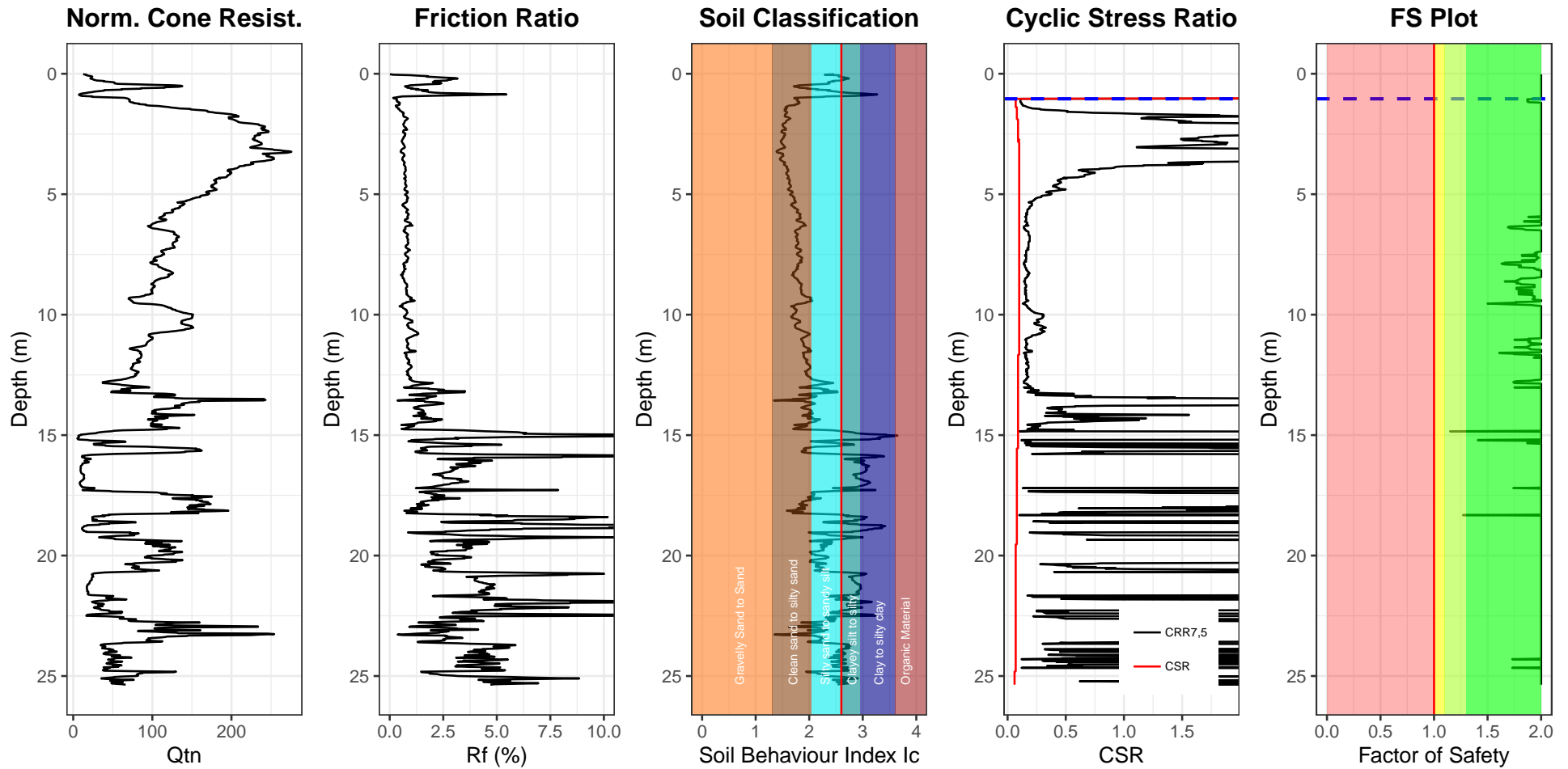
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.04
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619786 , 5429211

Raw Data Plots - CPT_171654



CPT_171654



Outputs for CPT_171654:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

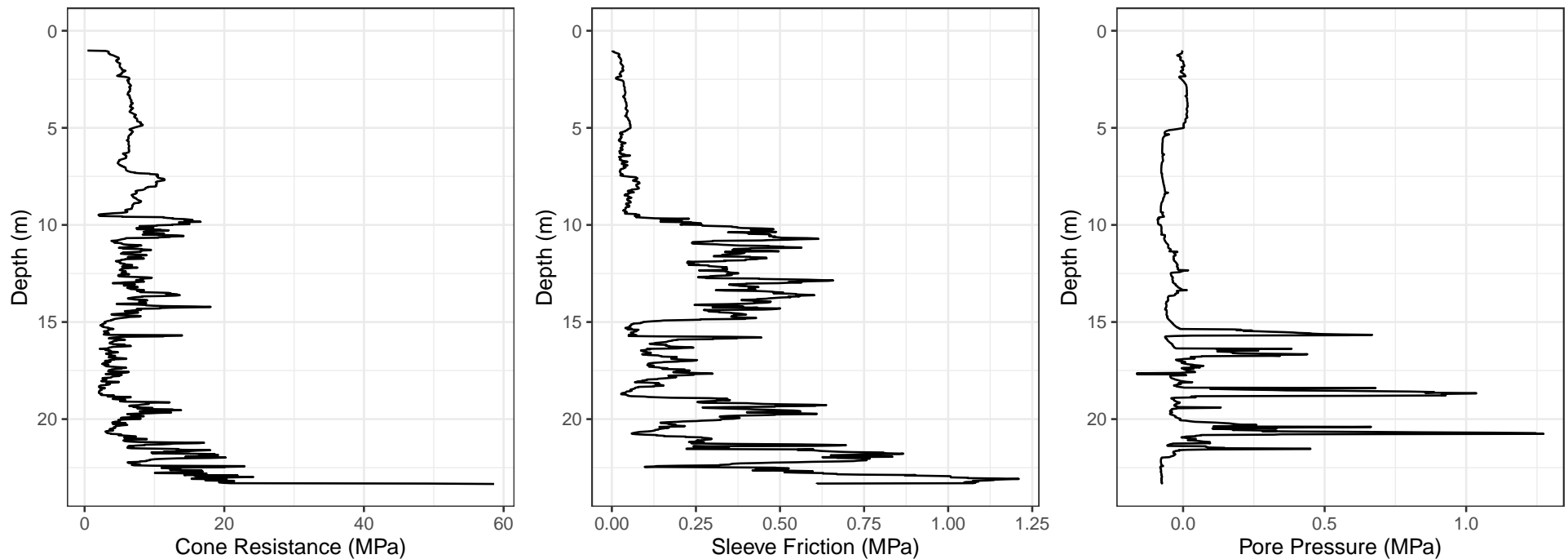
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

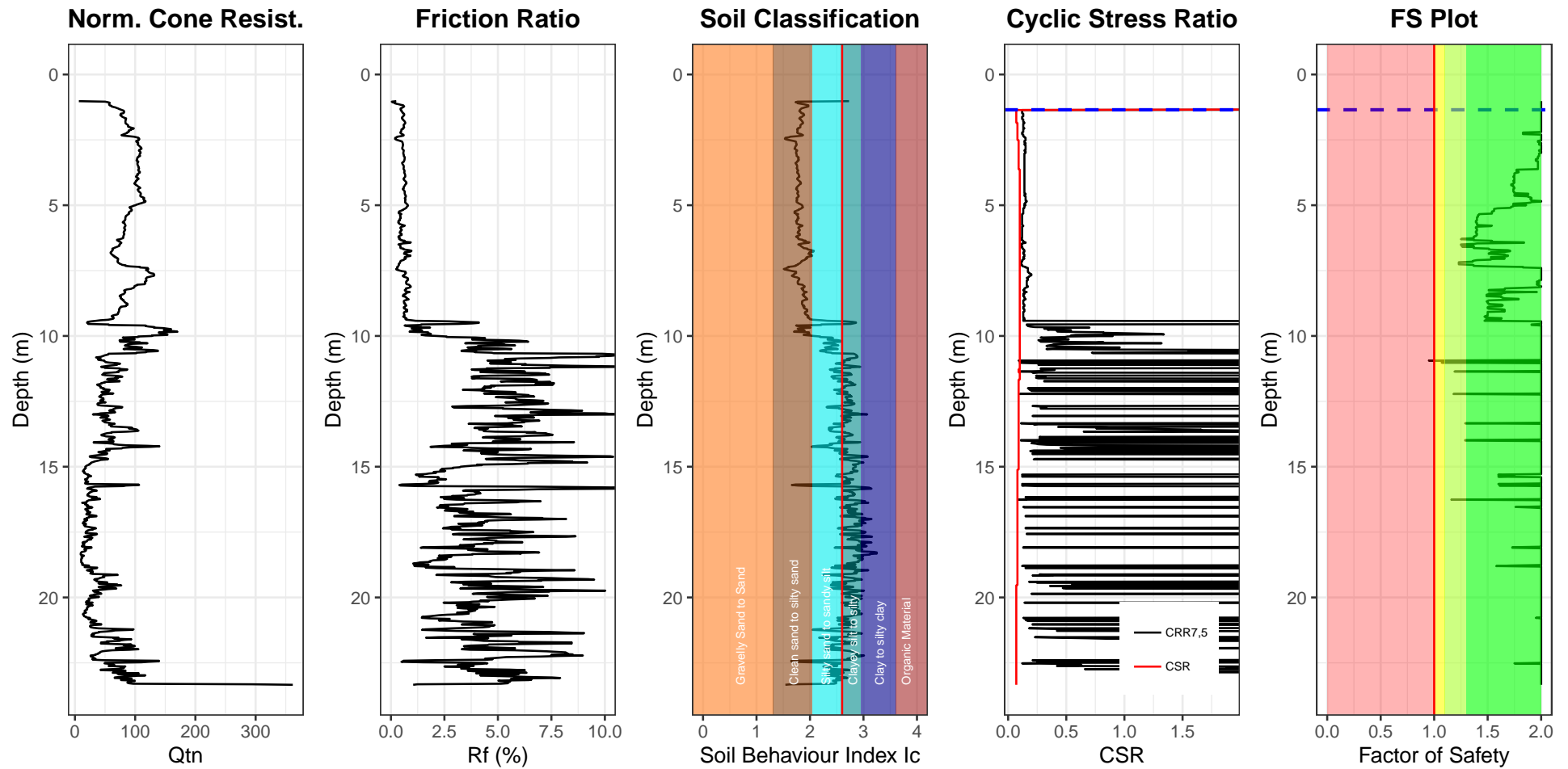
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.35
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619617 , 5428264

Raw Data Plots - CPT_171655



CPT_171655



Outputs for CPT_171655:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
3	0	0

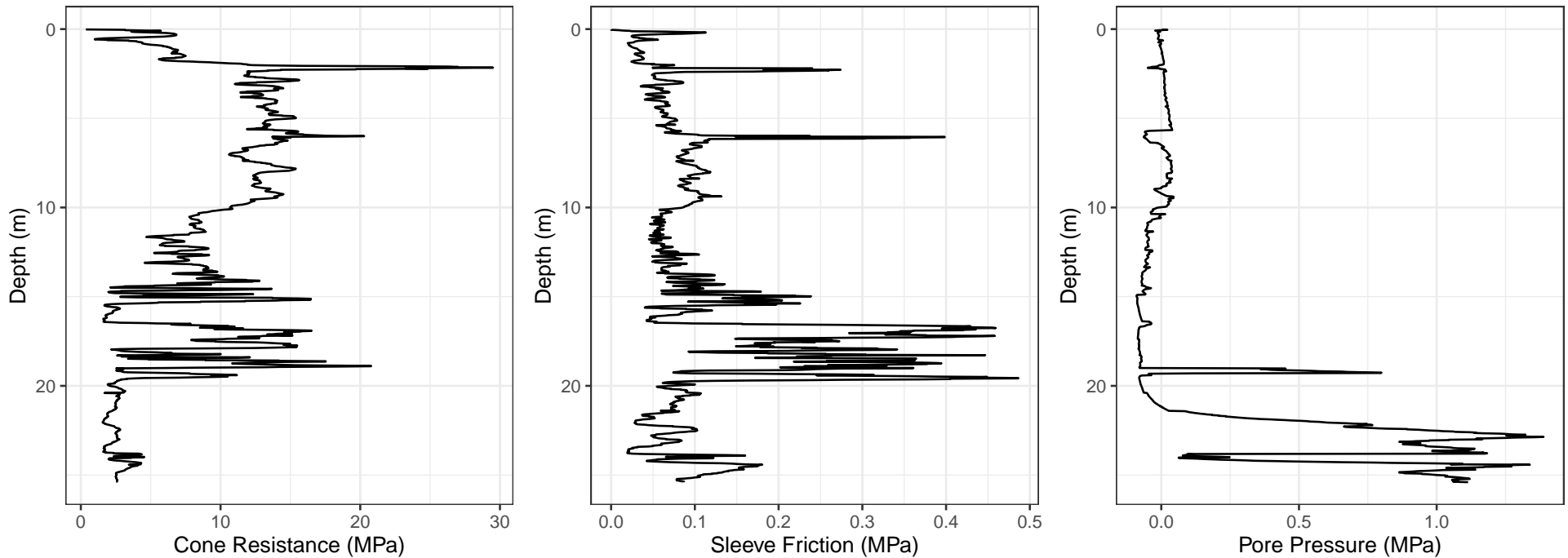
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

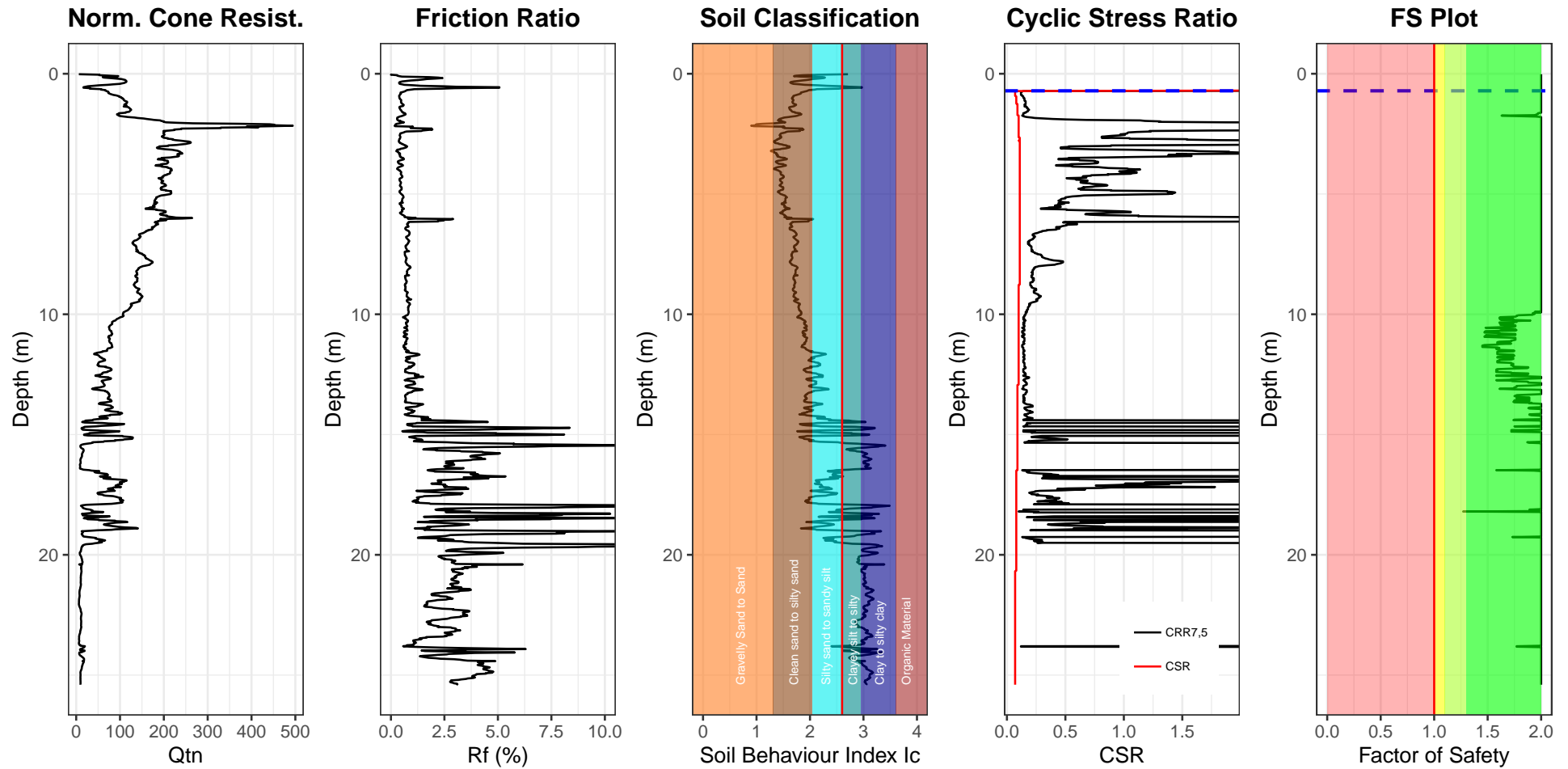
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 25yr	<i>Groundwater (m bgl) :</i>	0.71
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.1	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620104 , 5429737

Raw Data Plots - CPT_171656



CPT_171656



Outputs for CPT_171656:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

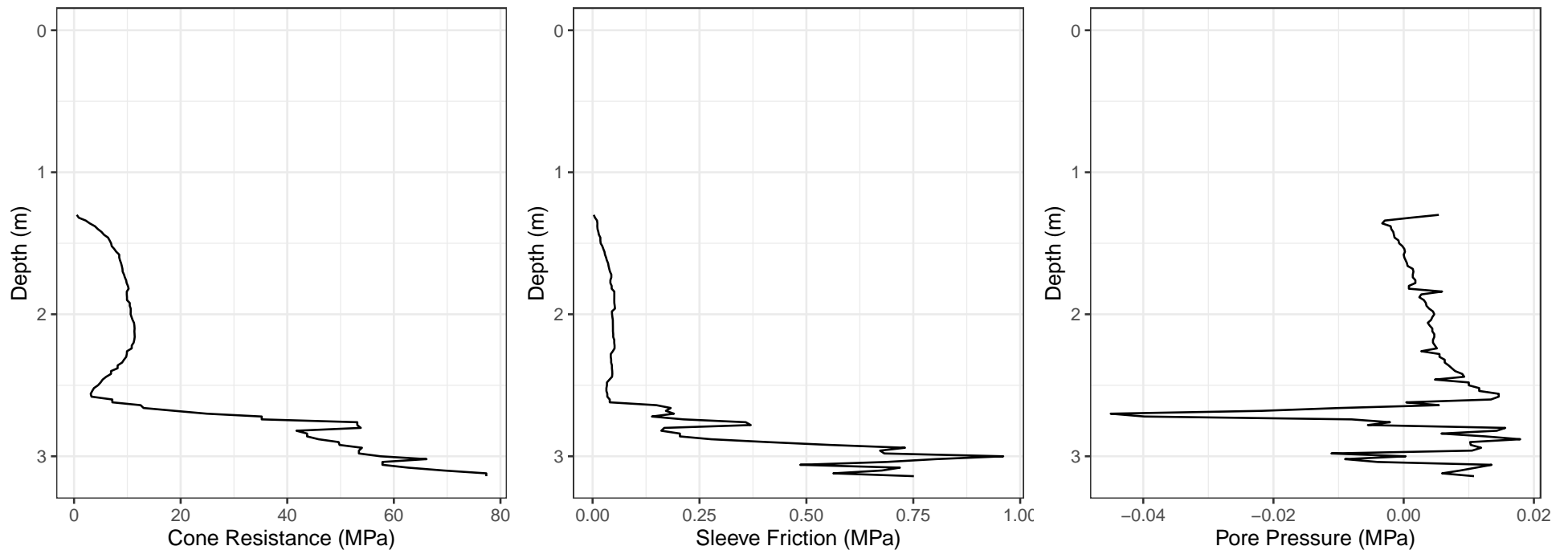
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

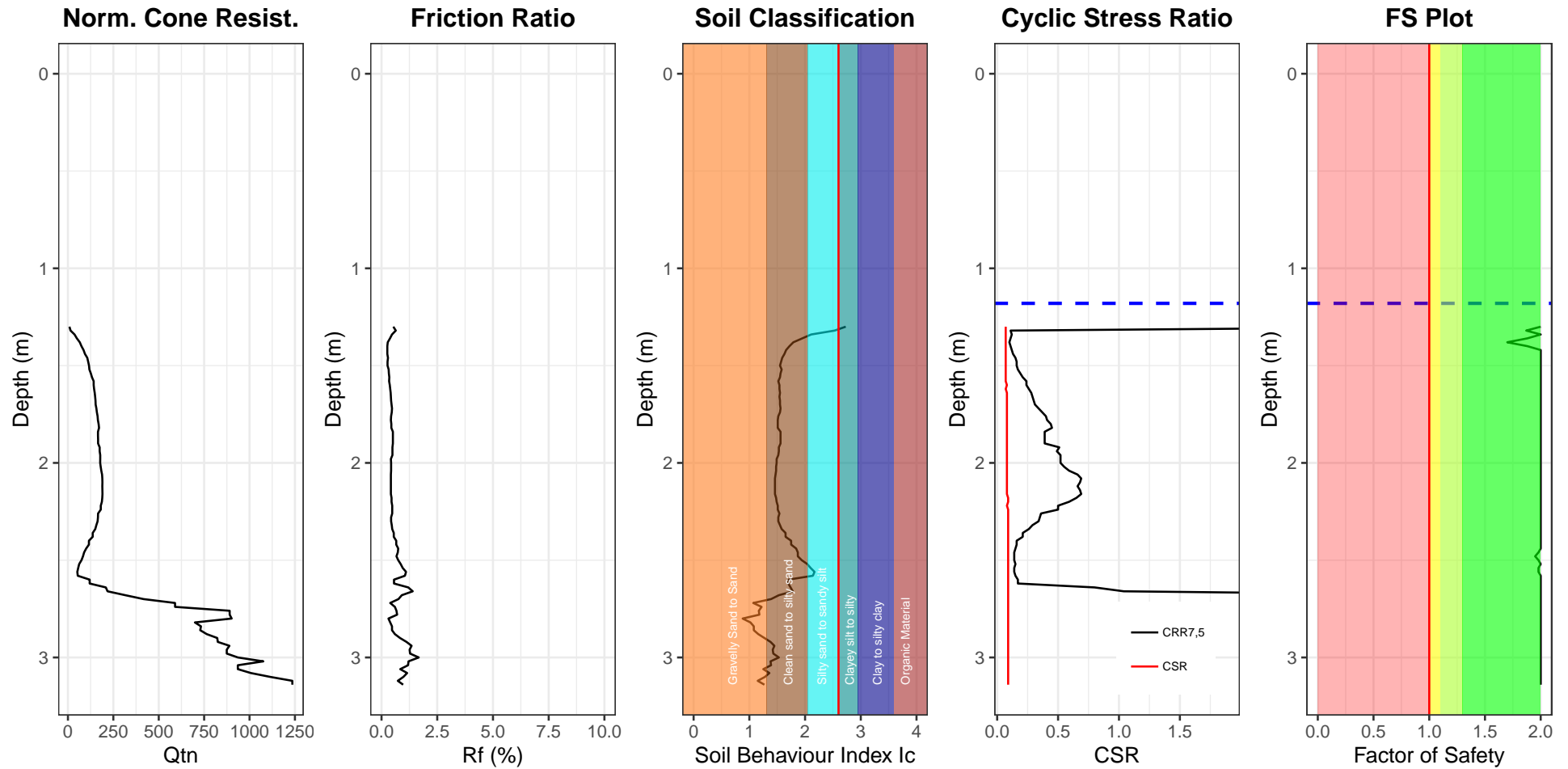
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.18
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.3
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620094 , 5429492

Raw Data Plots - CPT_171657



CPT_171657



Outputs for CPT_171657:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

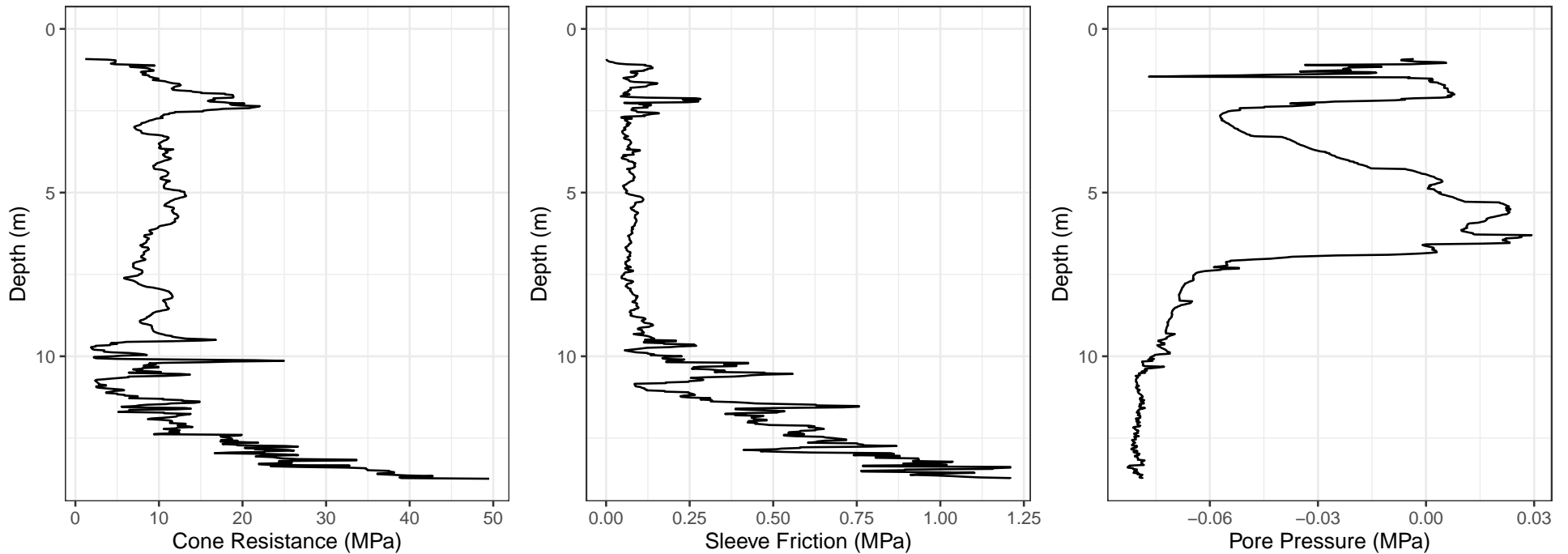
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

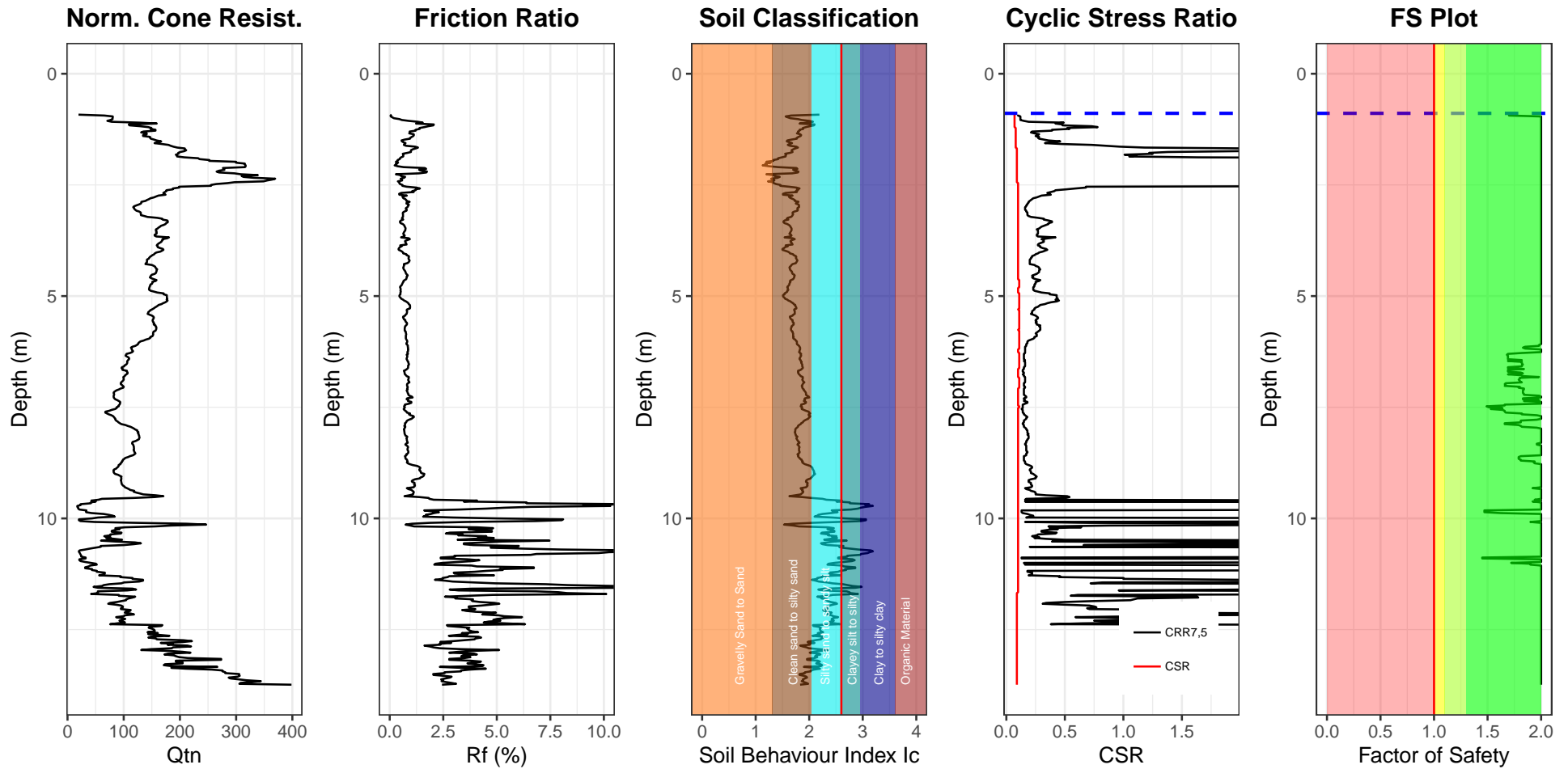
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 0.89
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620269 , 5428987

Raw Data Plots - CPT_171658



CPT_171658



Outputs for CPT_171658:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

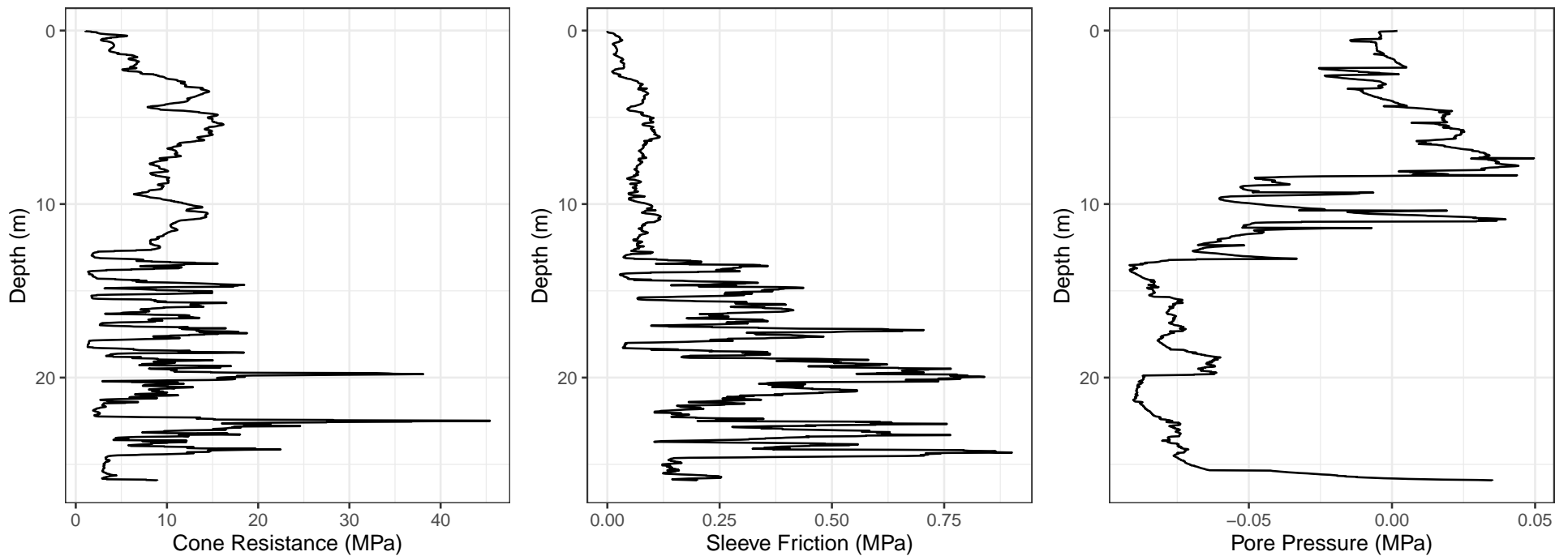
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

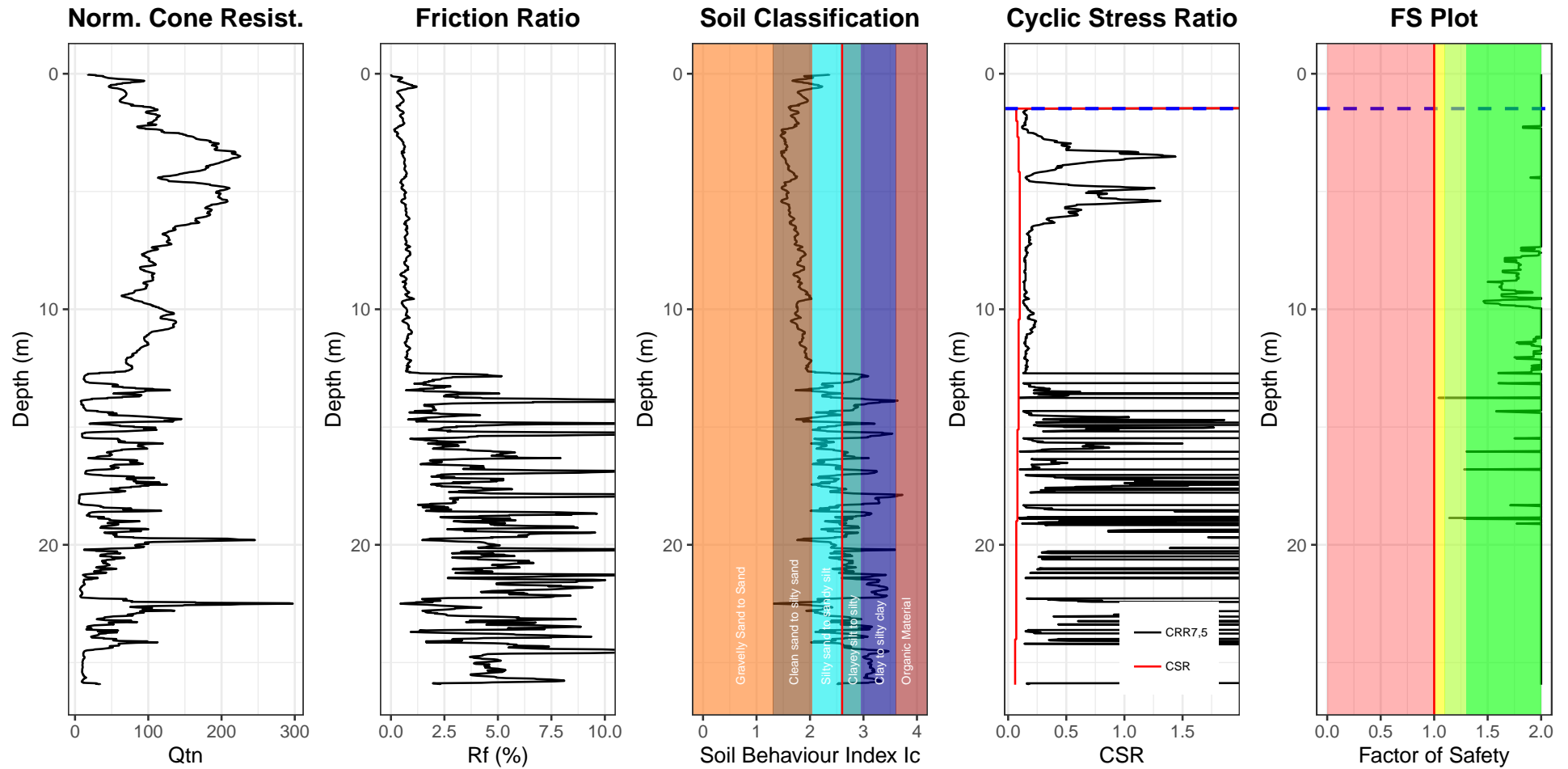
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.48
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619735 , 5428878

Raw Data Plots - CPT_171659



CPT_171659



Outputs for CPT_171659:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

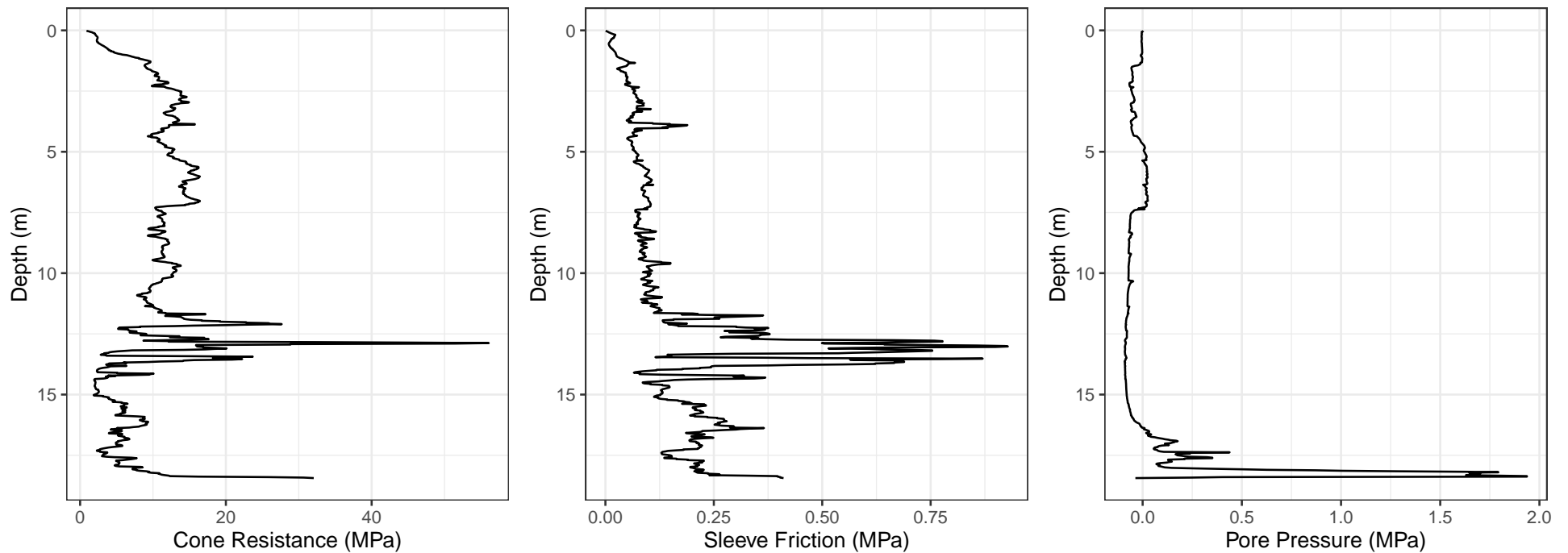
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

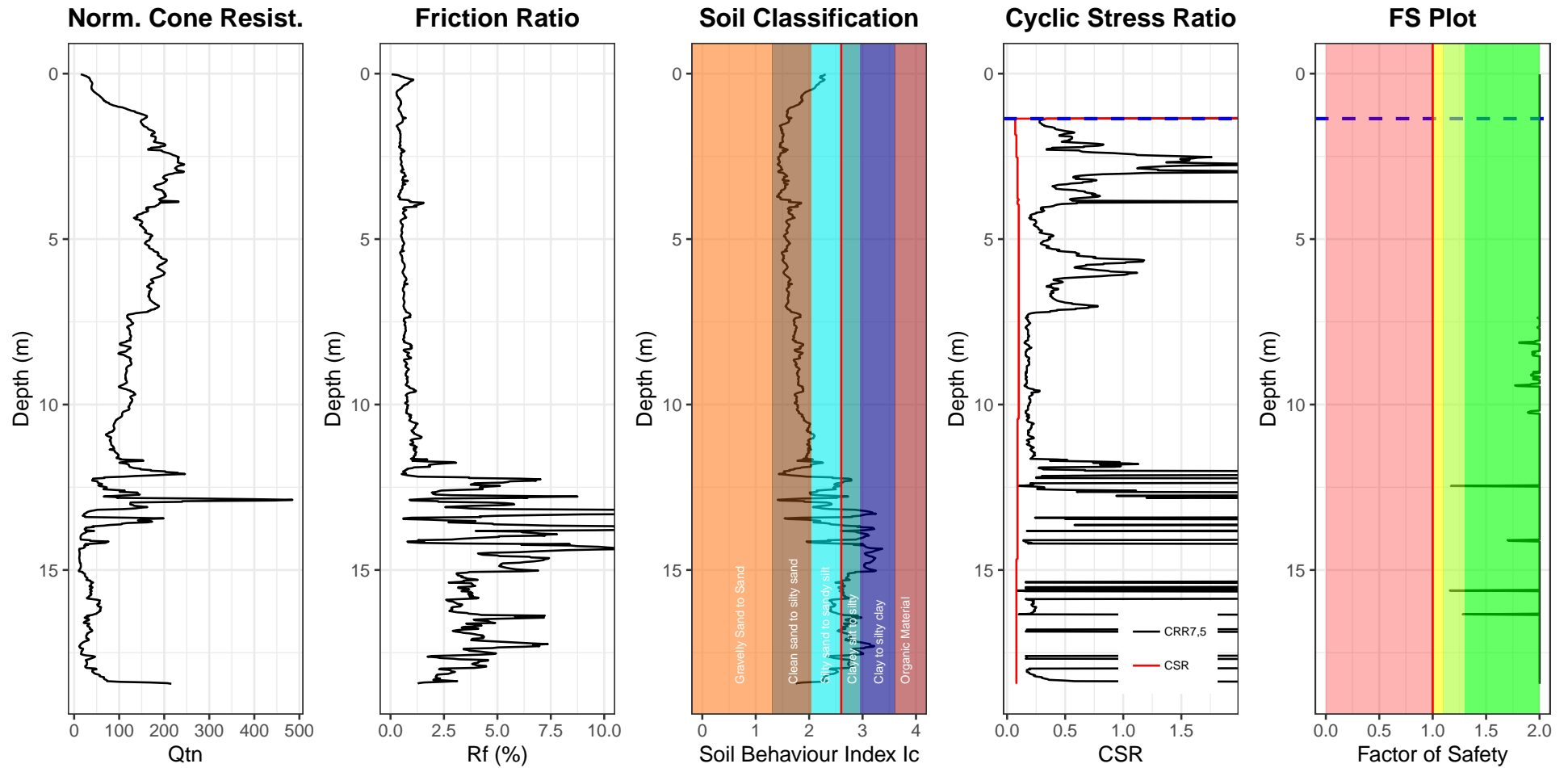
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 25yr	<i>Groundwater (m bgl) :</i>	1.36
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.1	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620242 , 5429364

Raw Data Plots - CPT_172821



CPT_172821



Outputs for CPT_172821:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

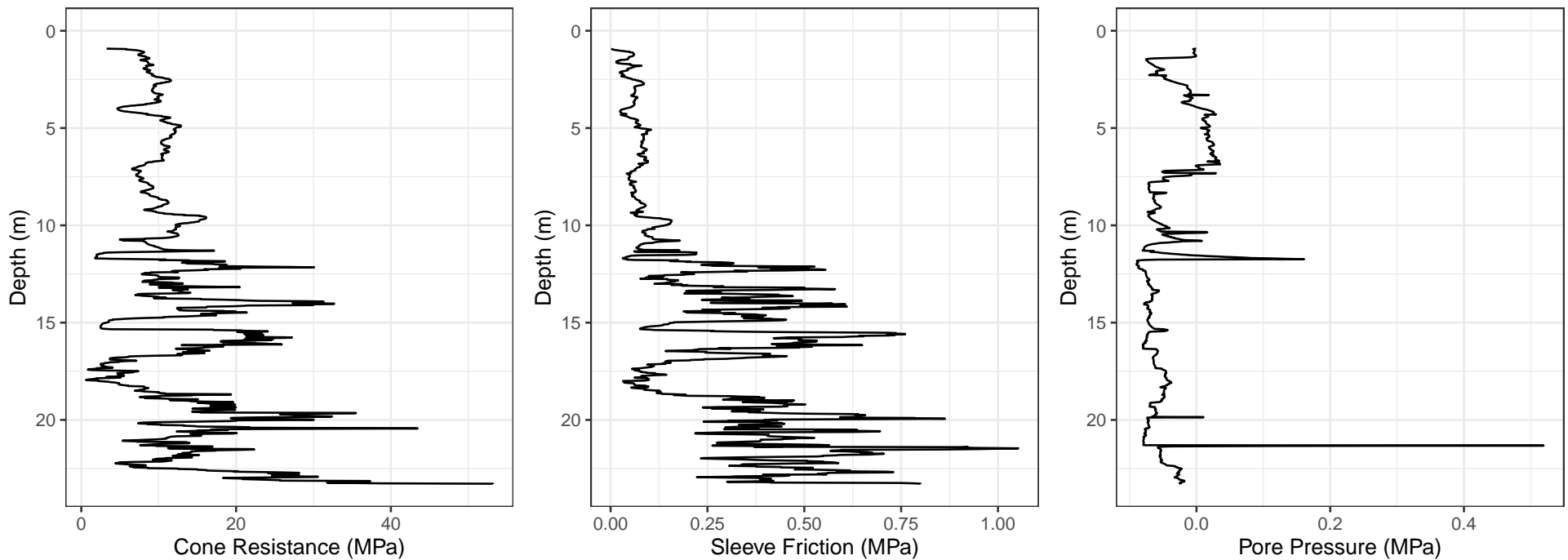
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

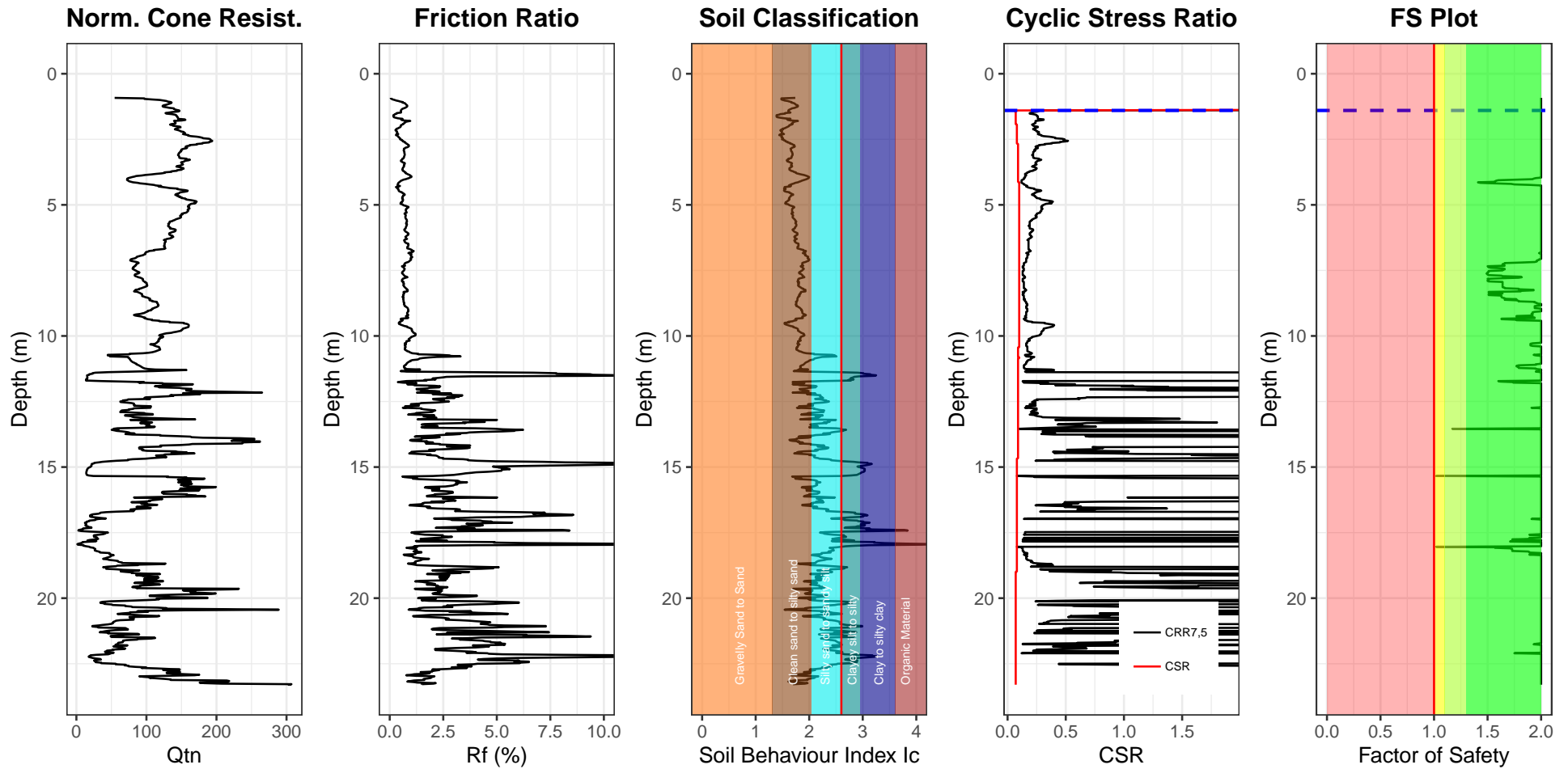
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 25yr	<i>Groundwater (m bgl) :</i> 1.4
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.1	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619797 , 5428662

Raw Data Plots - CPT_172822



CPT_172822



Outputs for CPT_172822:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

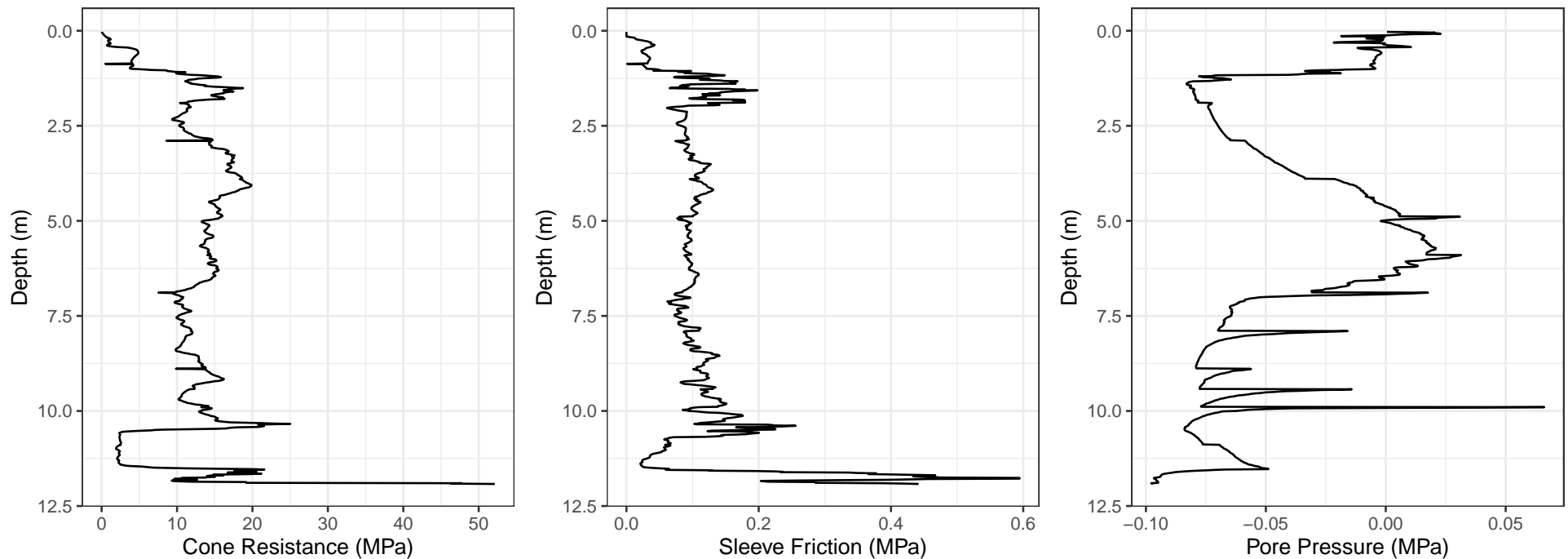
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

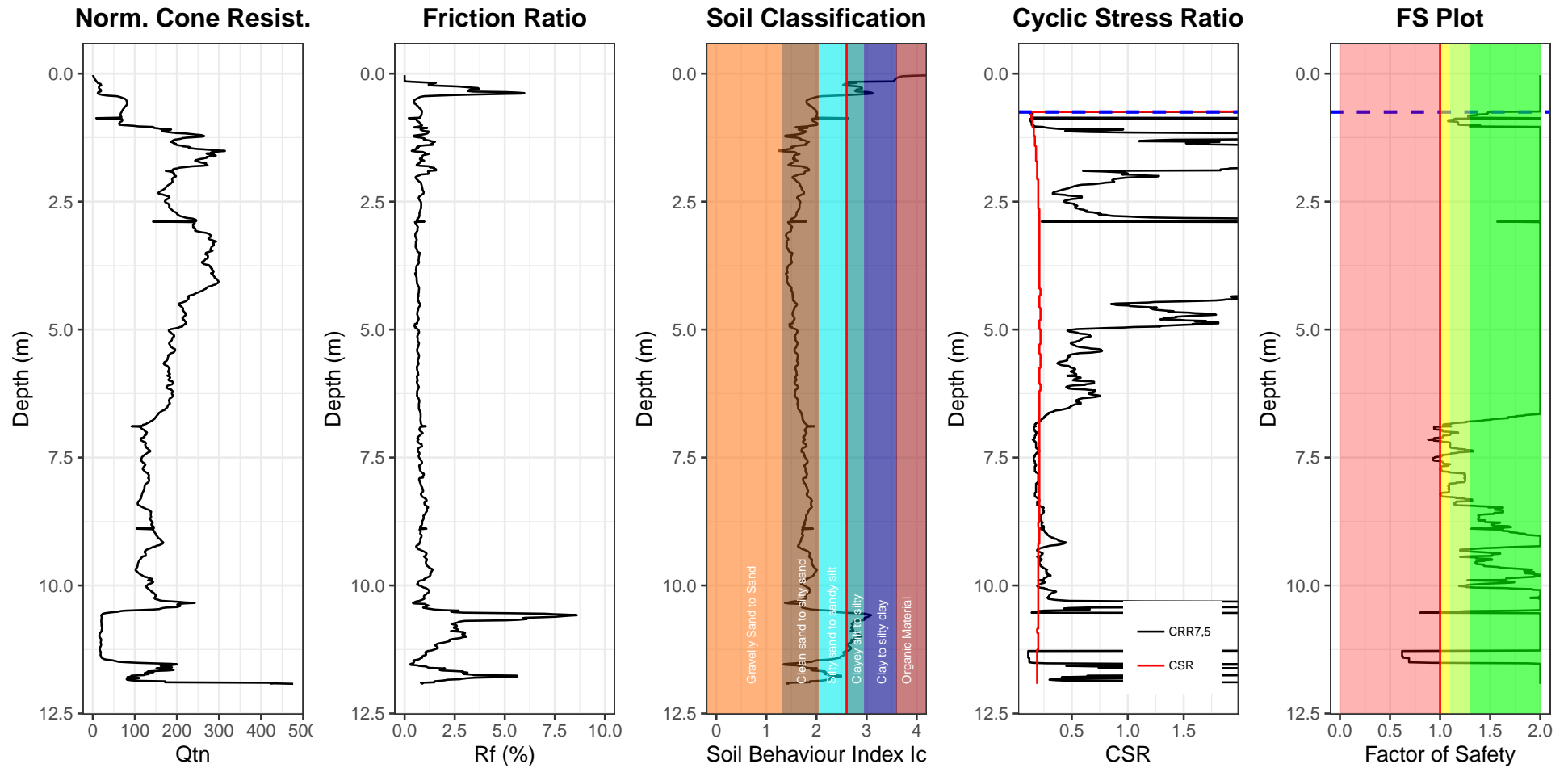
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.75
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620262 , 5429167

Raw Data Plots - CPT_105845



CPT_105845



Outputs for CPT_105845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
18	0	3

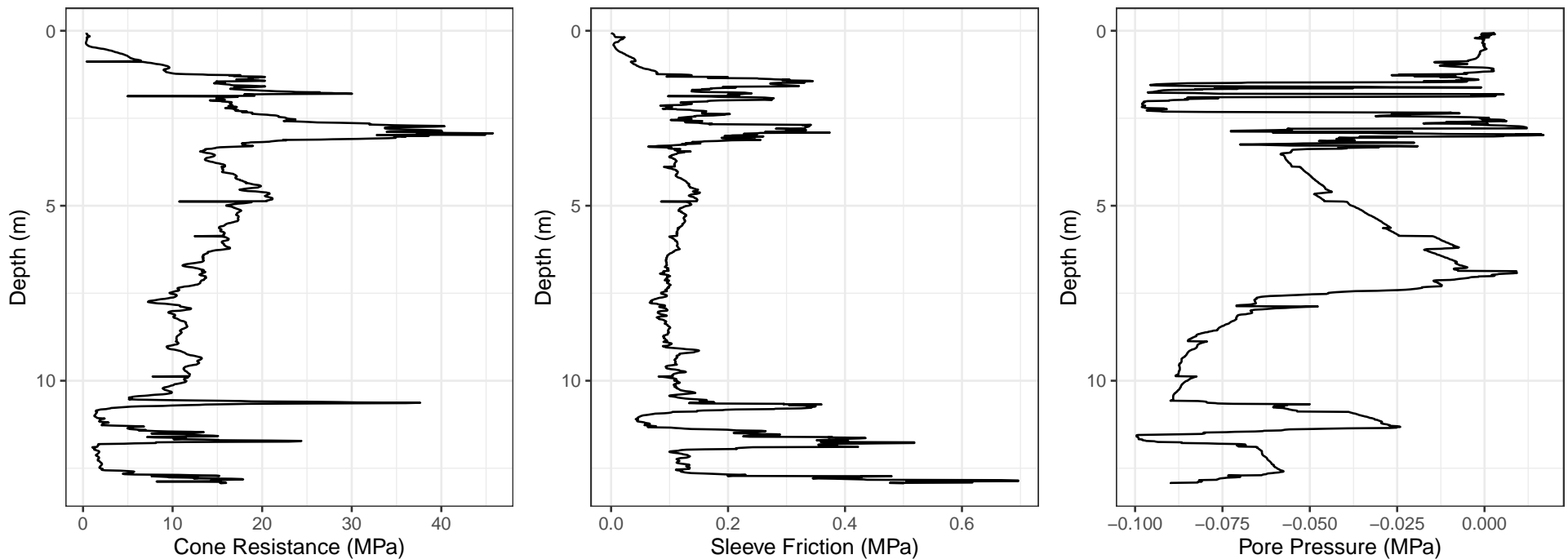
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

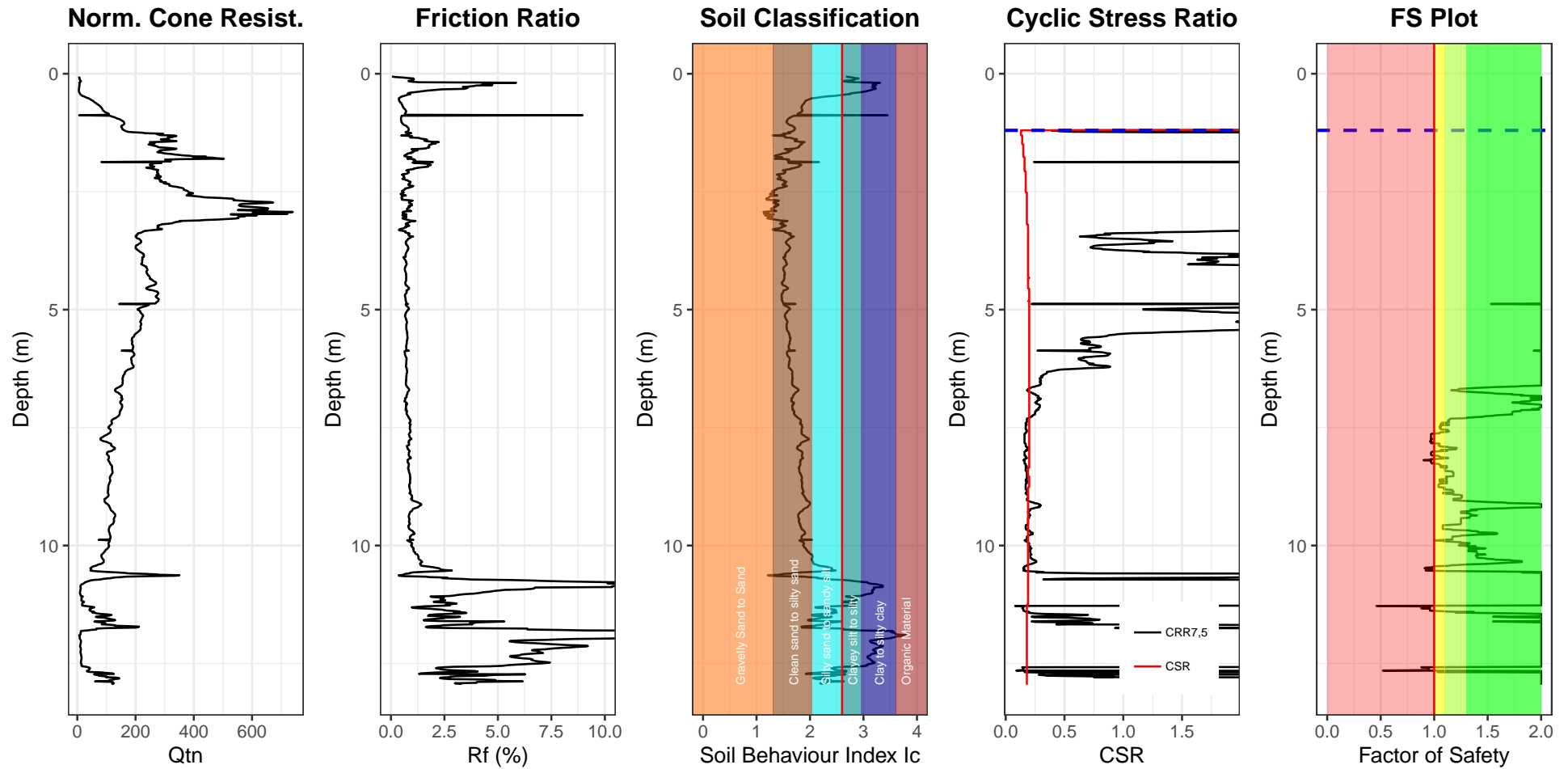
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.06
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620280 , 5429196

Raw Data Plots - CPT_105847



CPT_105847



Outputs for CPT_105847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
17	0	2

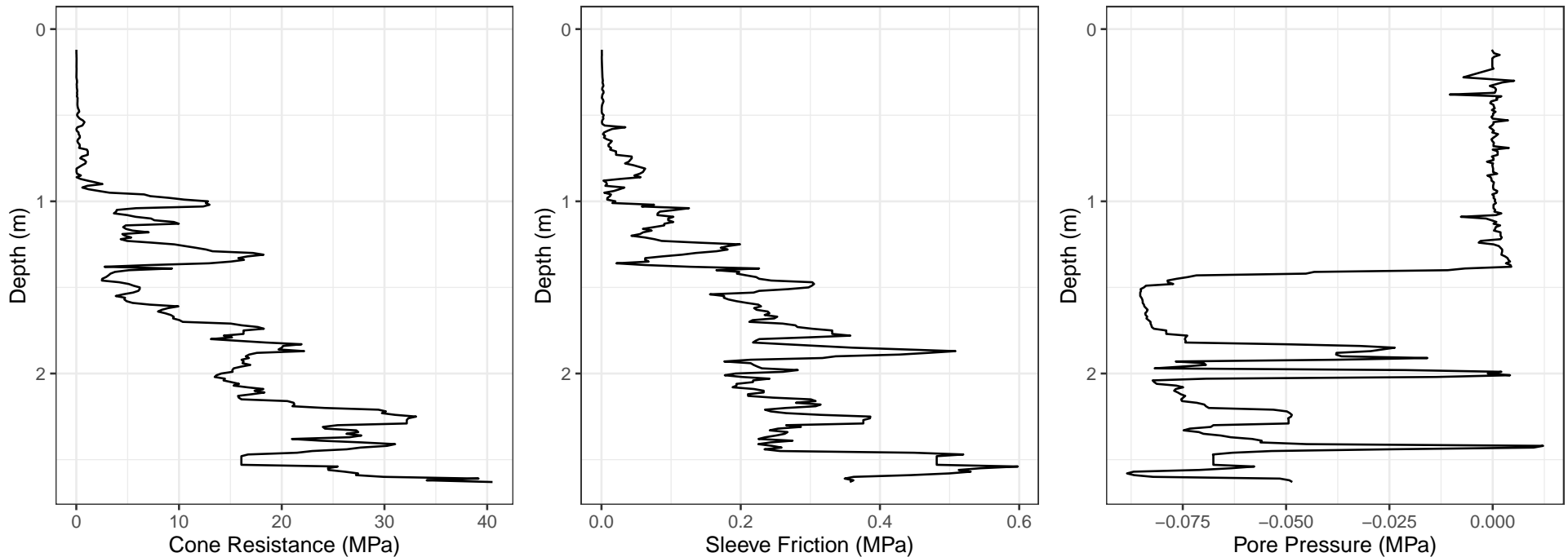
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

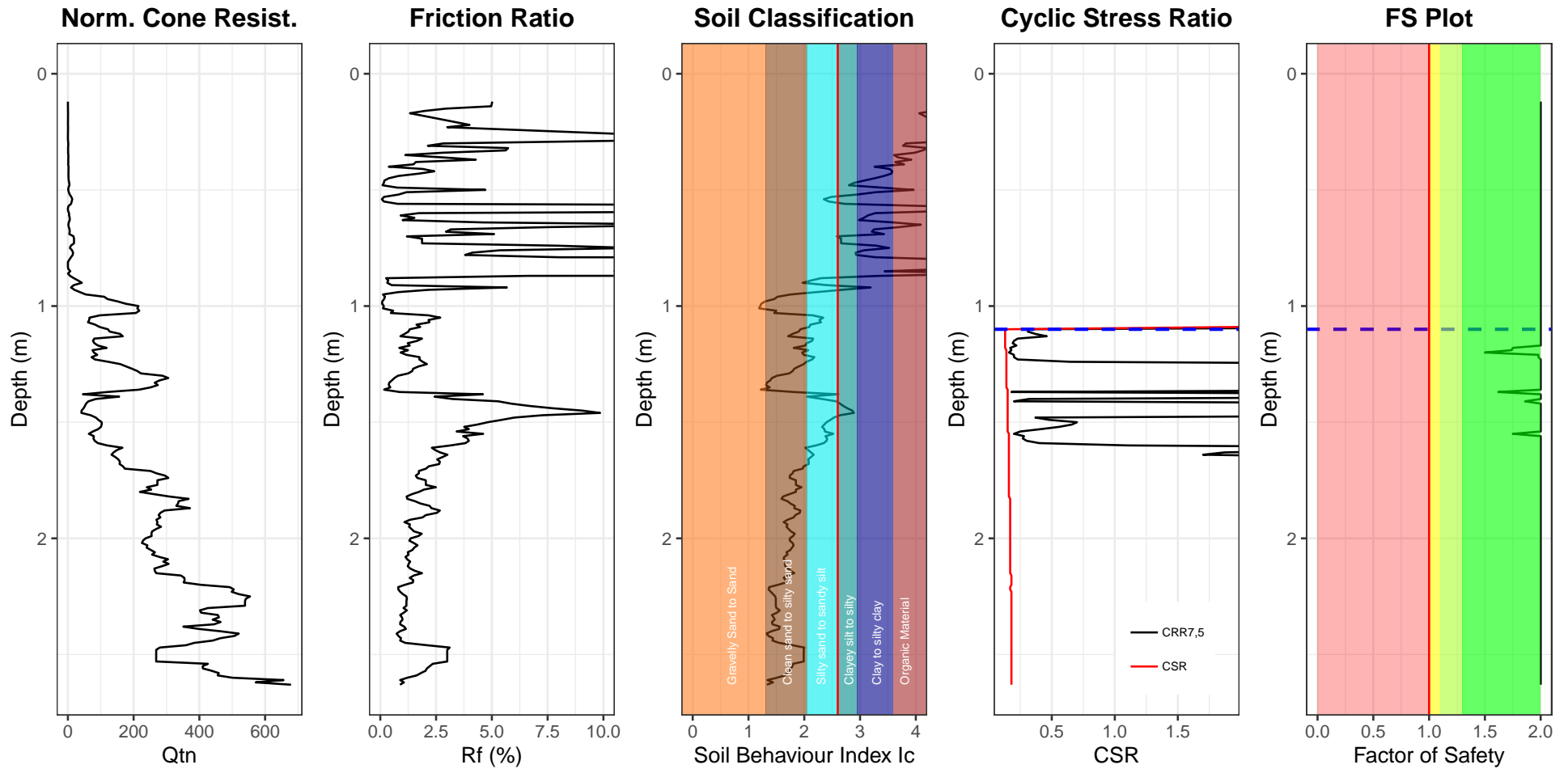
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.12
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620649 , 5429336

Raw Data Plots - CPT_105955



CPT_105955



Outputs for CPT_105955:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

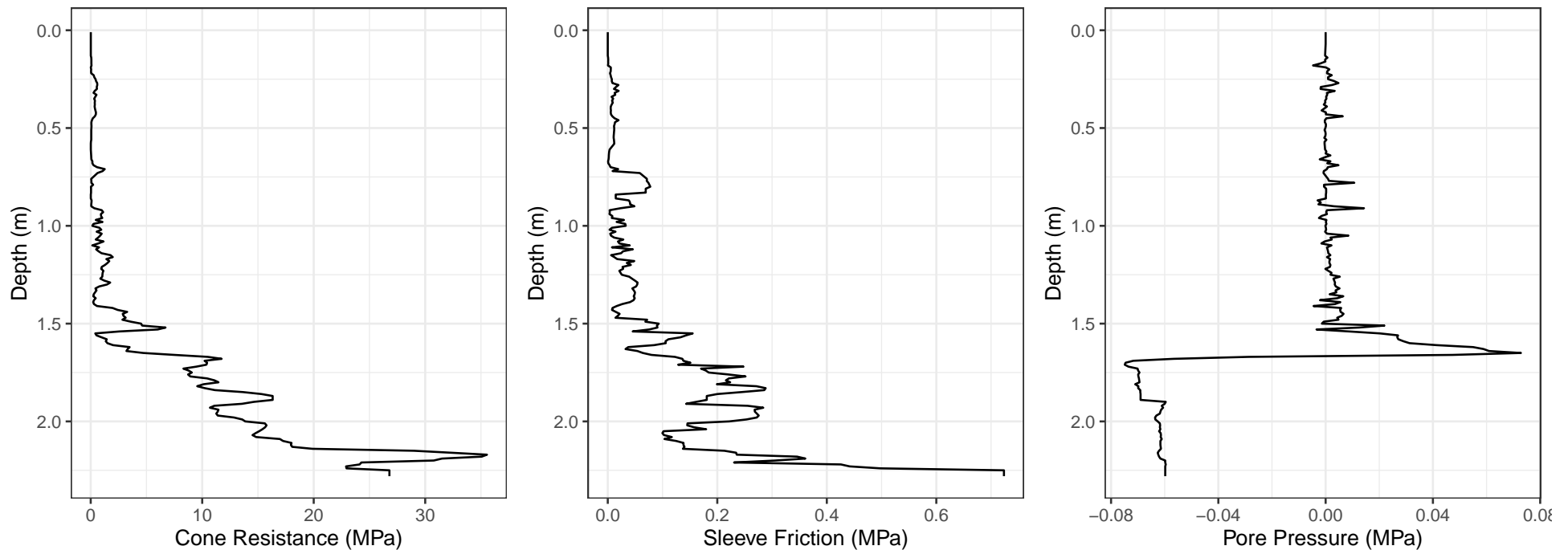
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

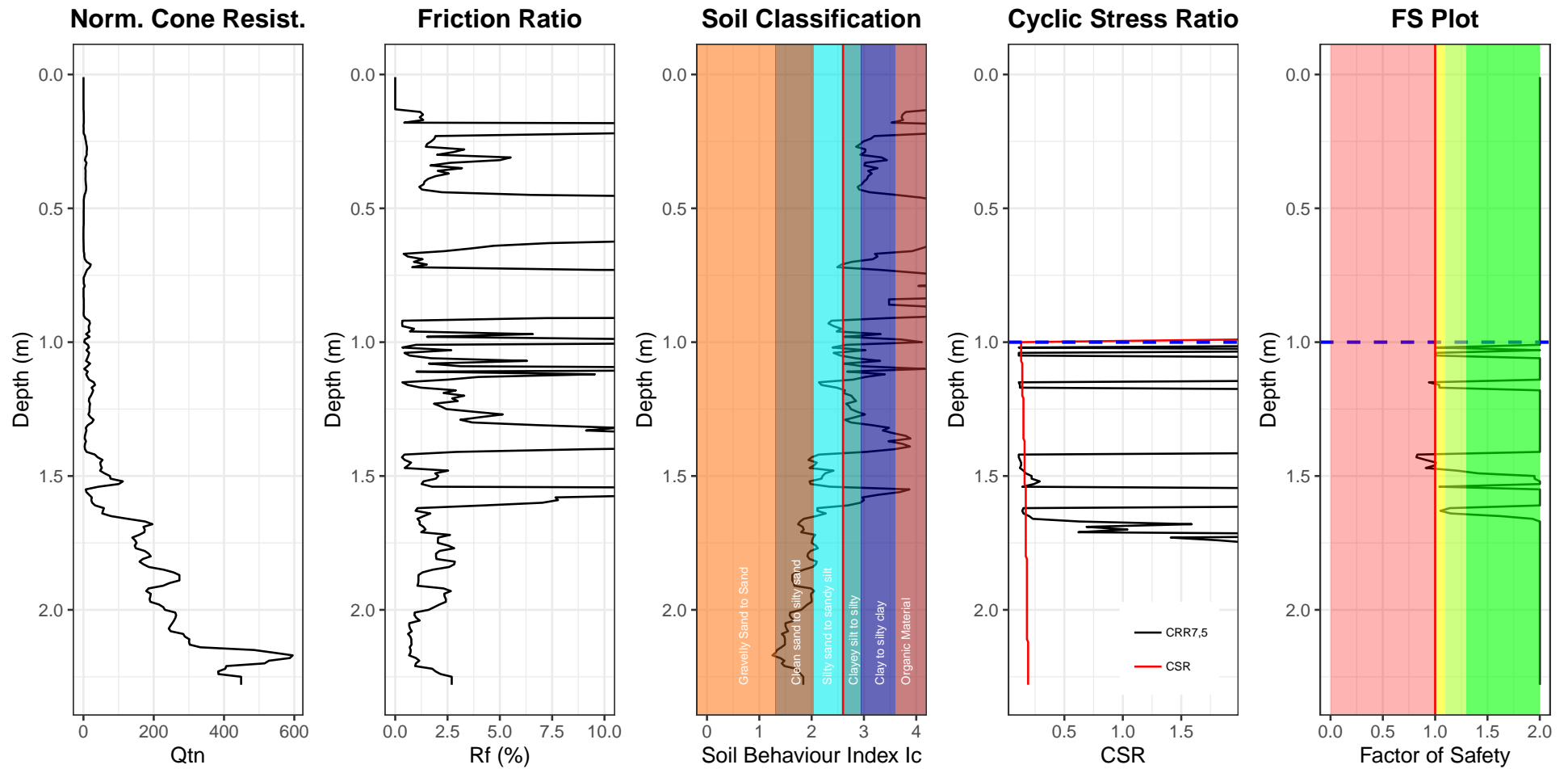
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620669 , 5429350

Raw Data Plots - CPT_105956



CPT_105956



Outputs for CPT_105956:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
2	0	2

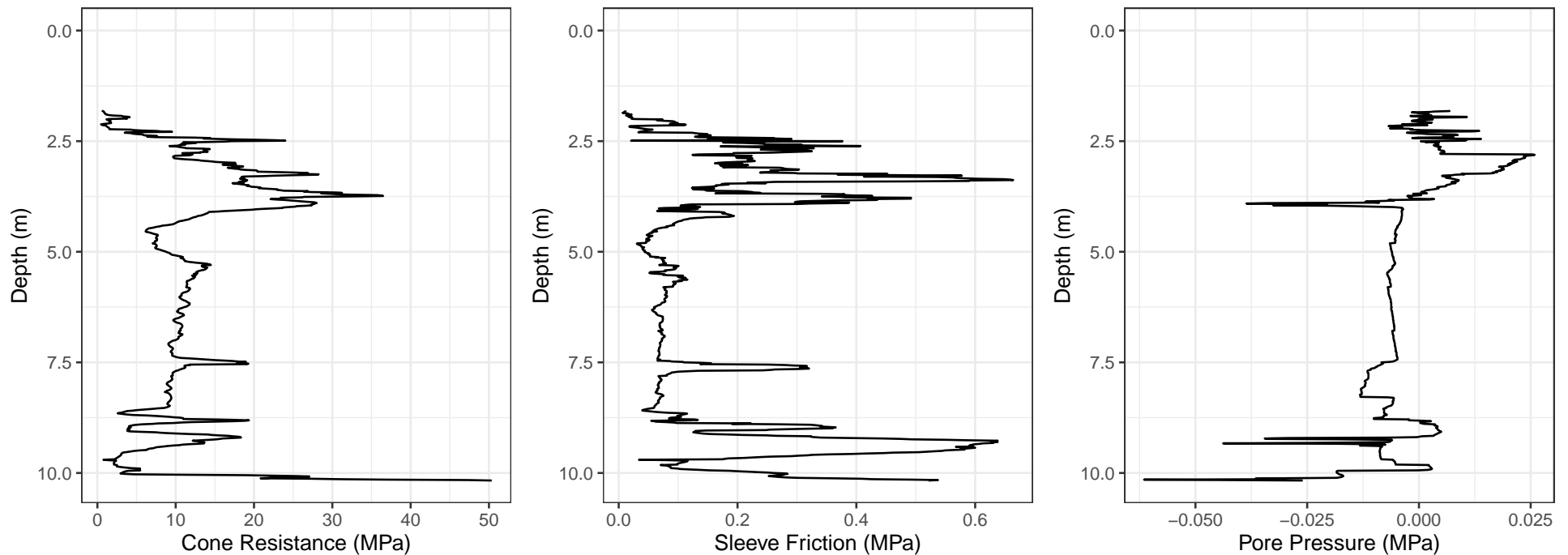
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

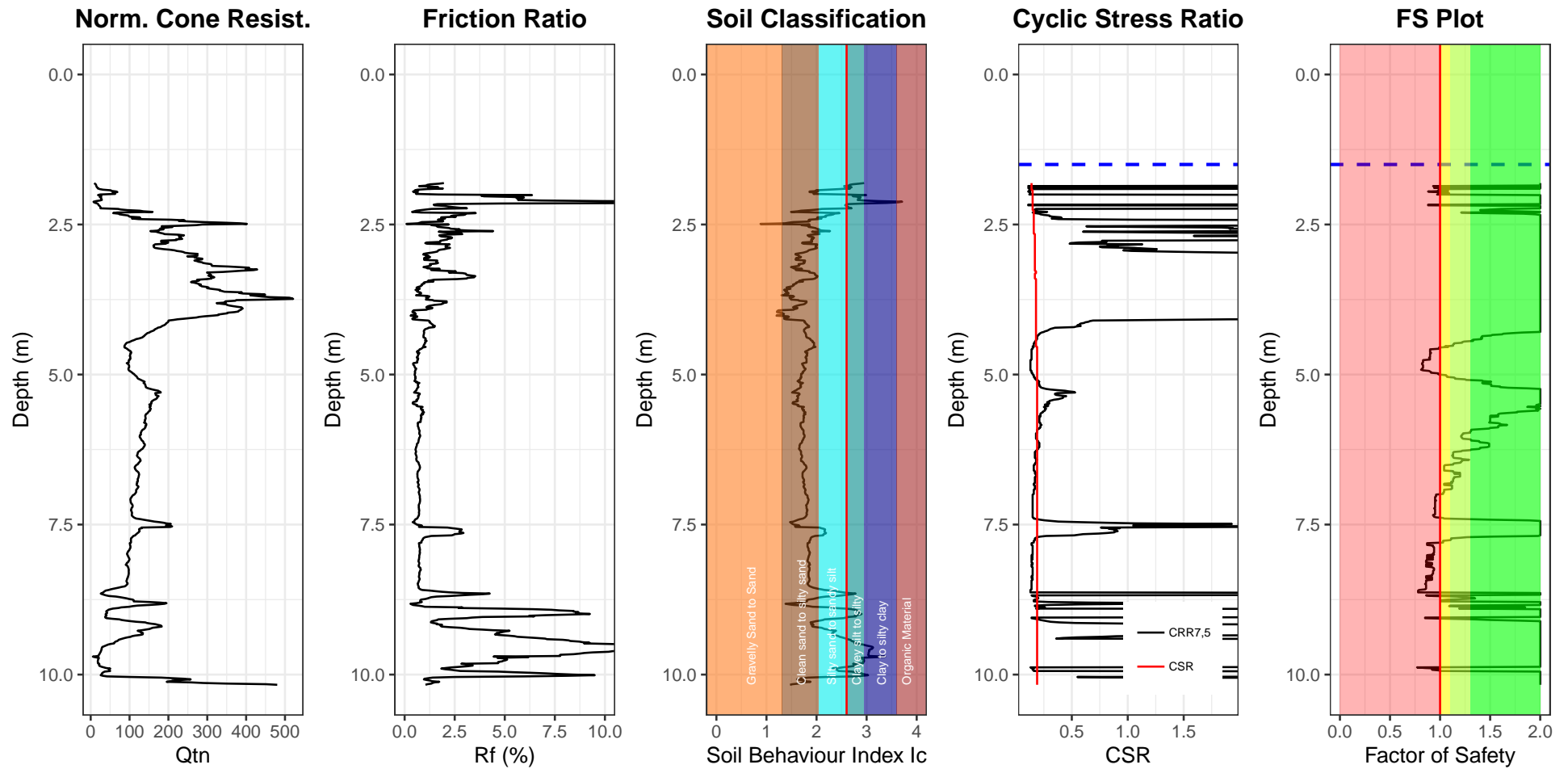
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.81
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620253 , 5428658

Raw Data Plots - CPT_115930



CPT_115930



Outputs for CPT_115930:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
36	1	6

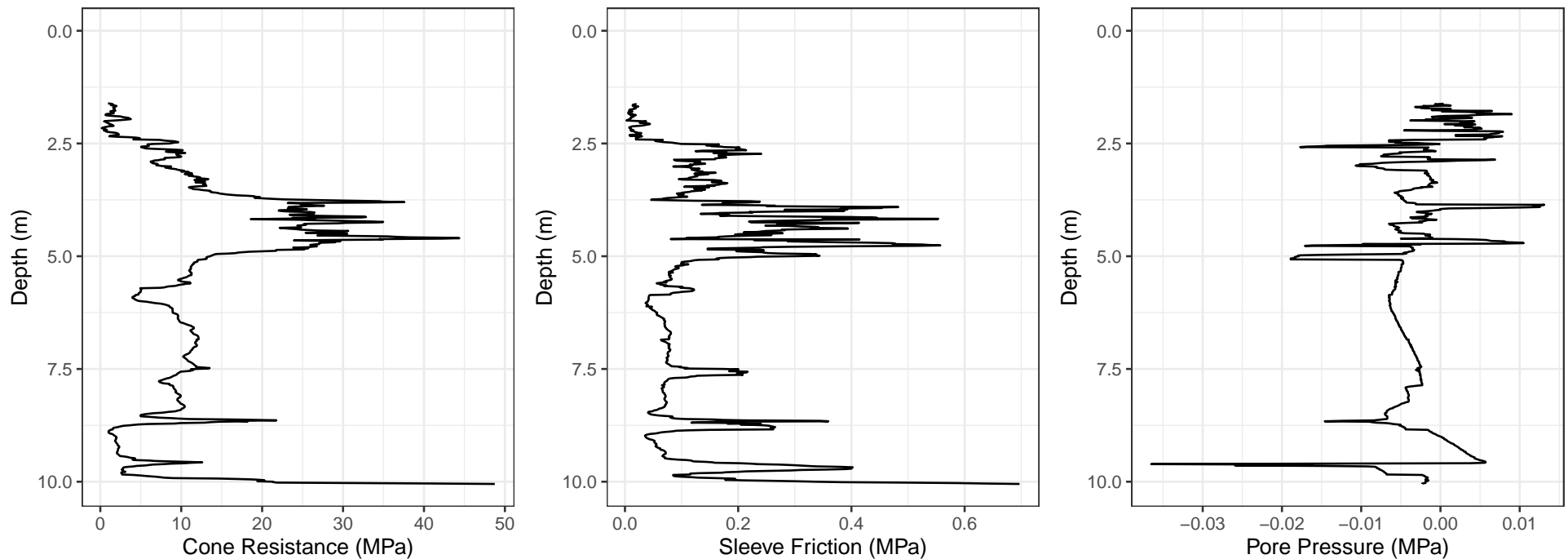
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

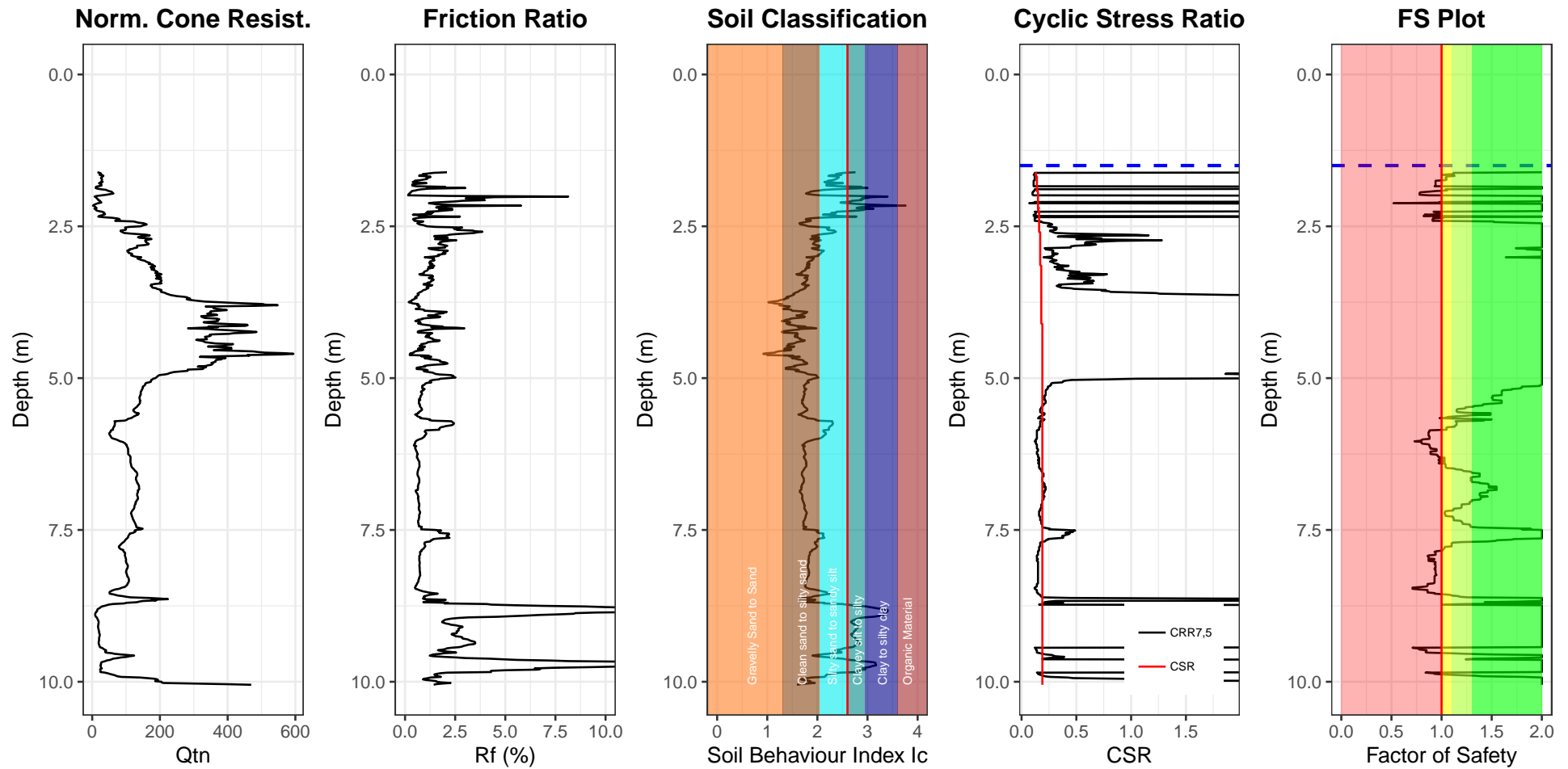
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.61
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620252 , 5428671

Raw Data Plots - CPT_115932



CPT_115932



Outputs for CPT_115932:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
38	1	9

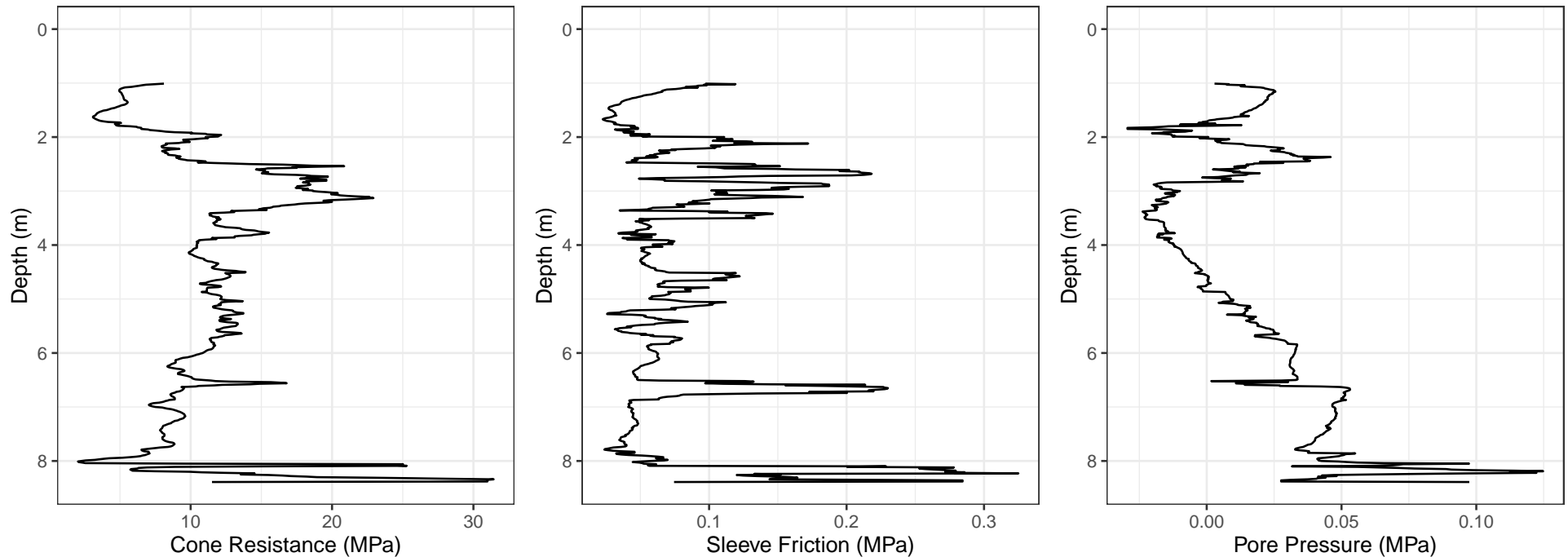
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

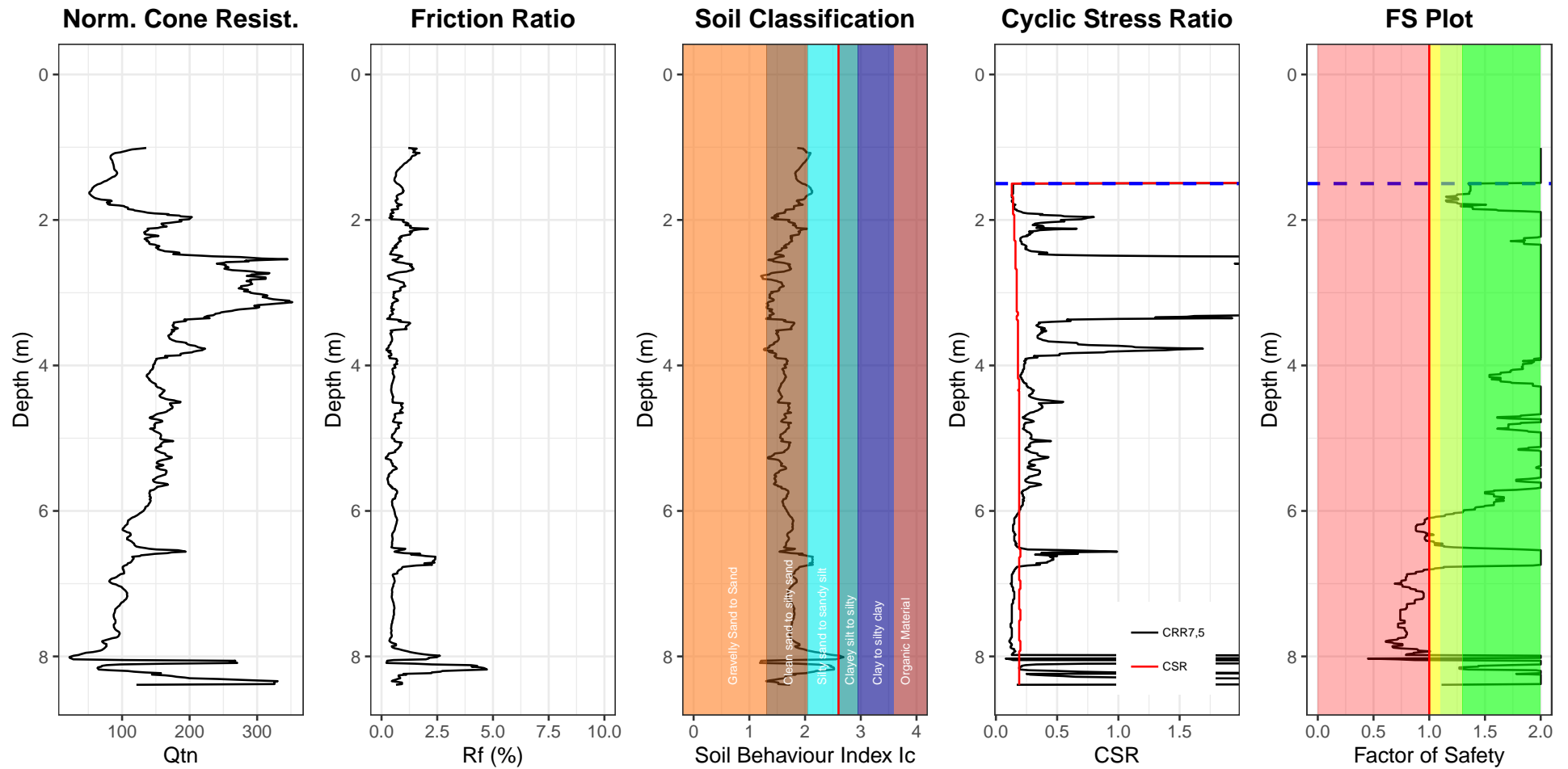
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620186 , 5428667

Raw Data Plots - CPT_115933



CPT_115933



Outputs for CPT_115933:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
32	2	5

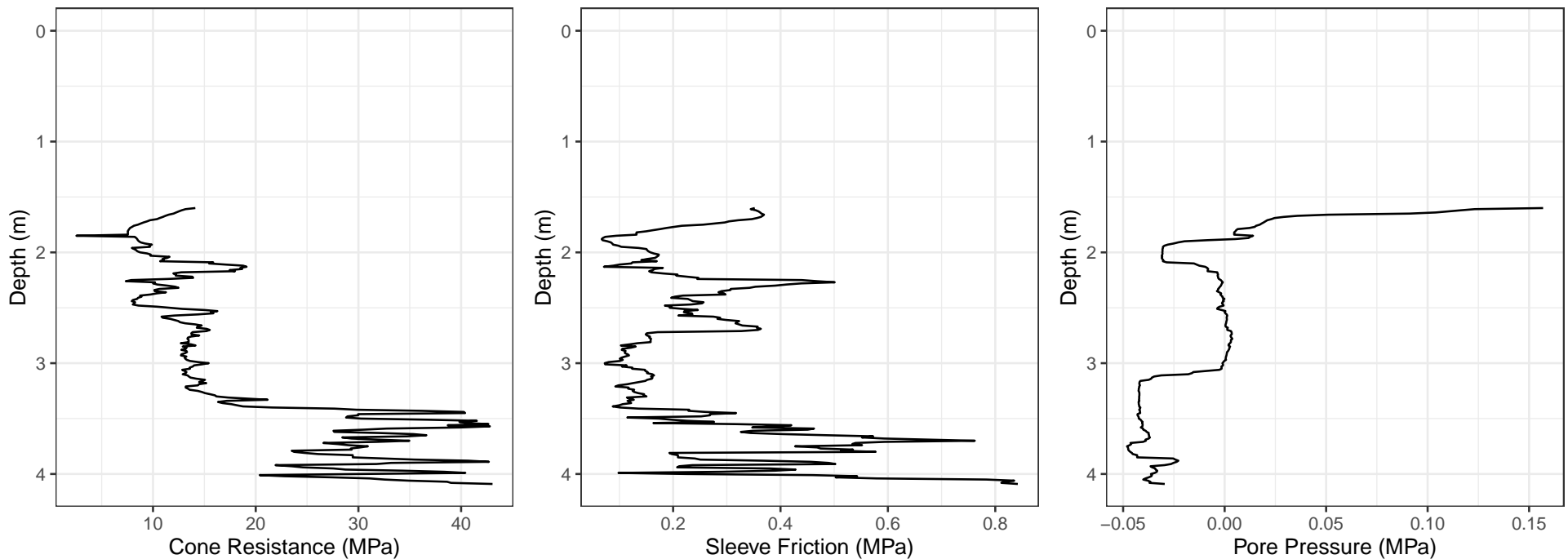
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

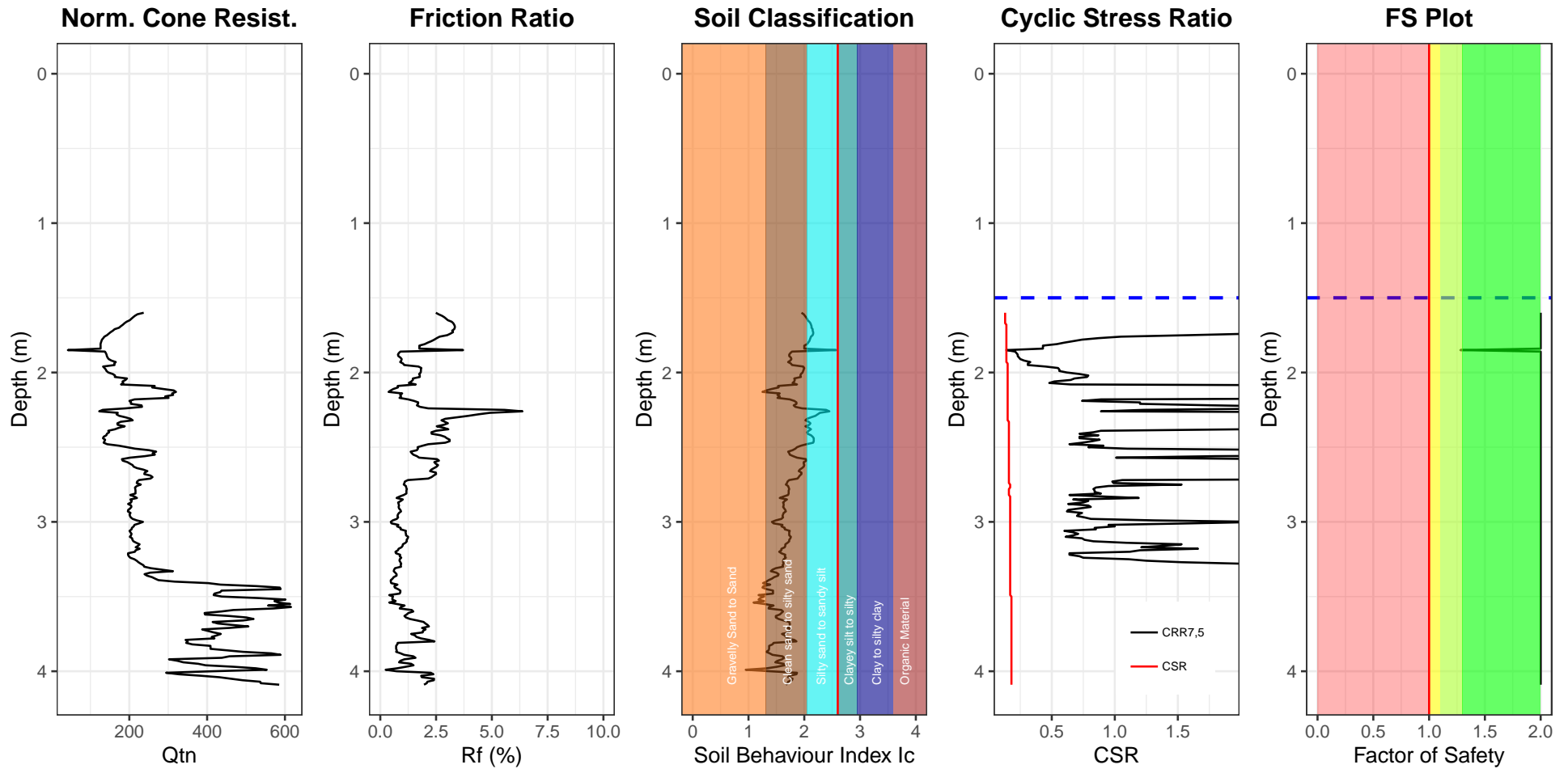
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.6
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620236 , 5428661

Raw Data Plots - CPT_115934



CPT_115934



Outputs for CPT_115934:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

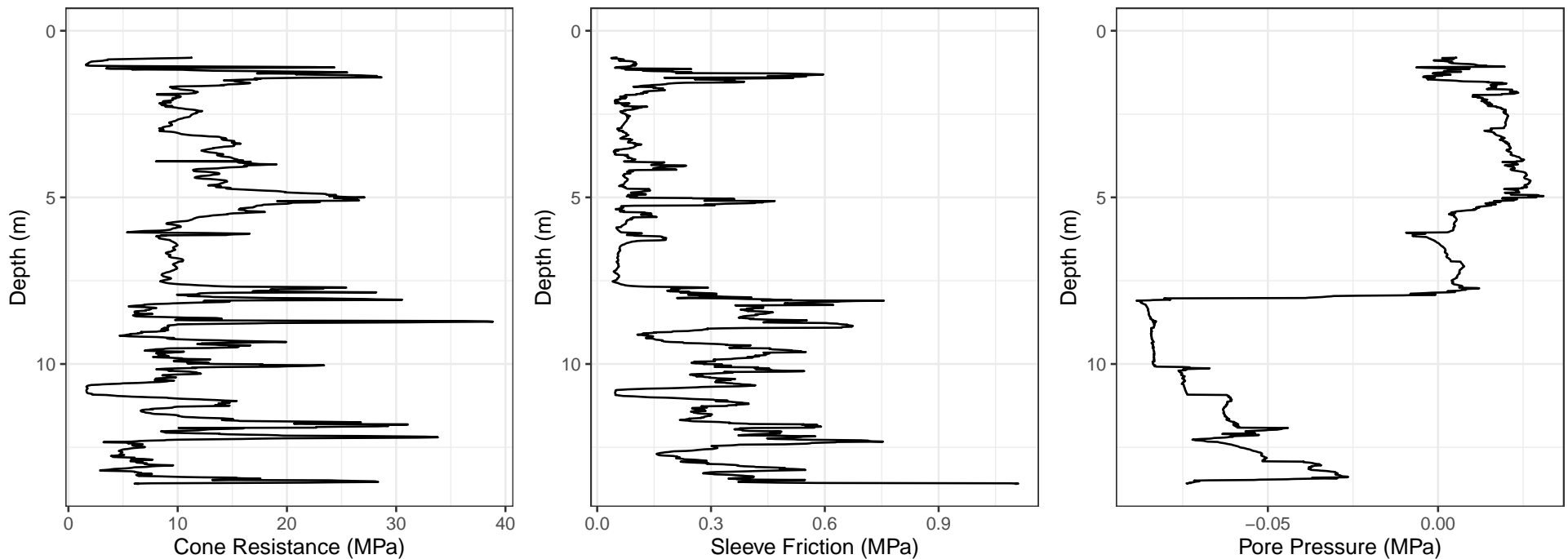
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

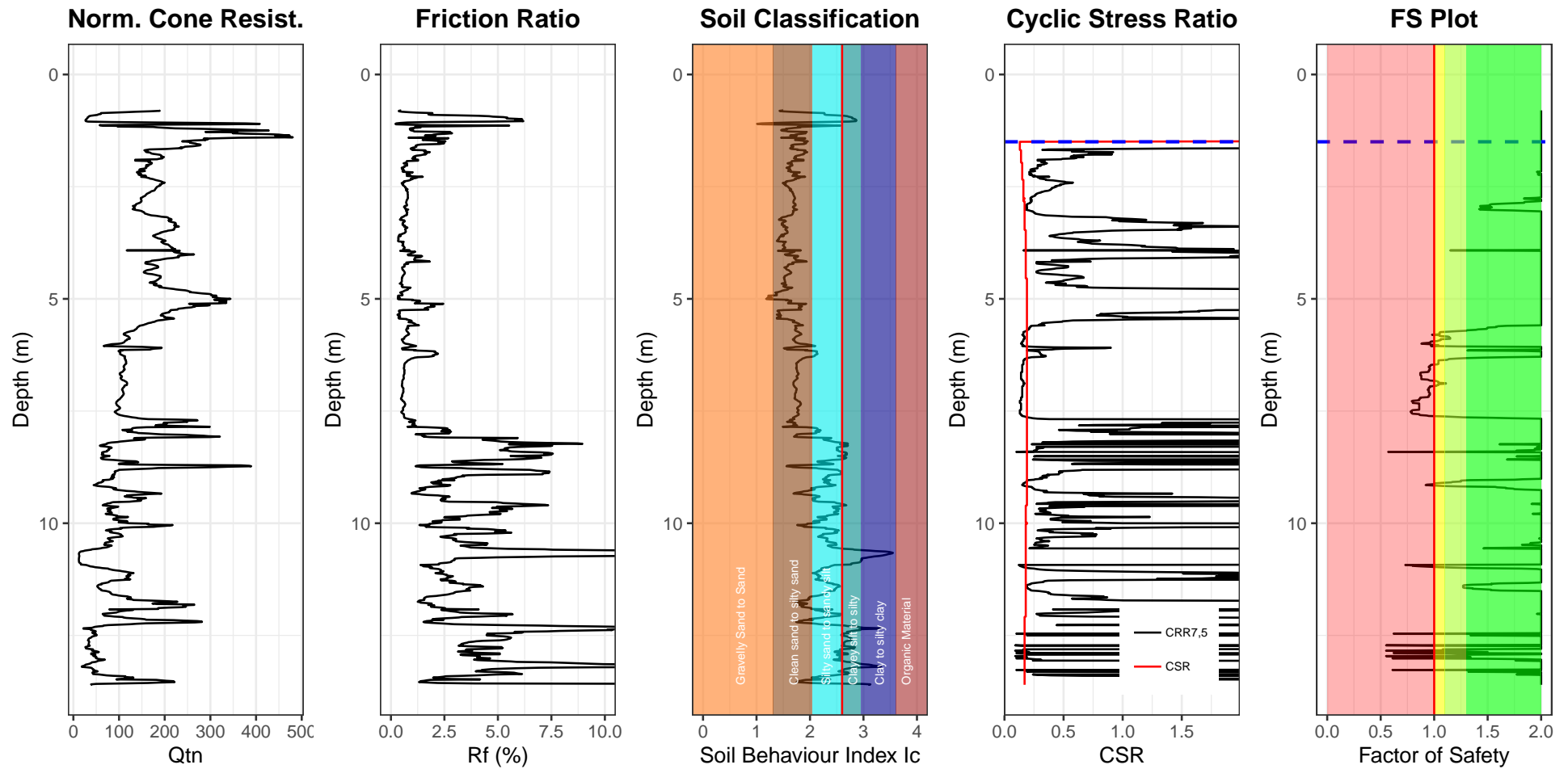
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.8
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620191 , 5428625

Raw Data Plots - CPT_115935



CPT_115935



Outputs for CPT_115935:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
26	1	3

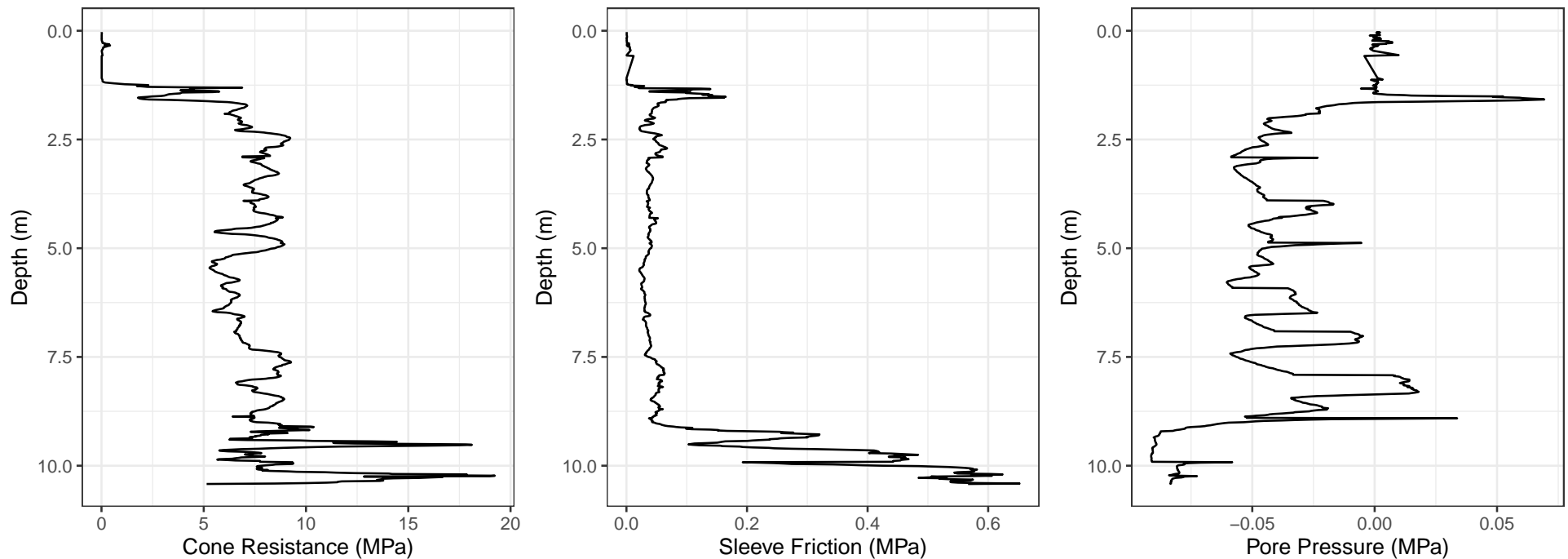
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

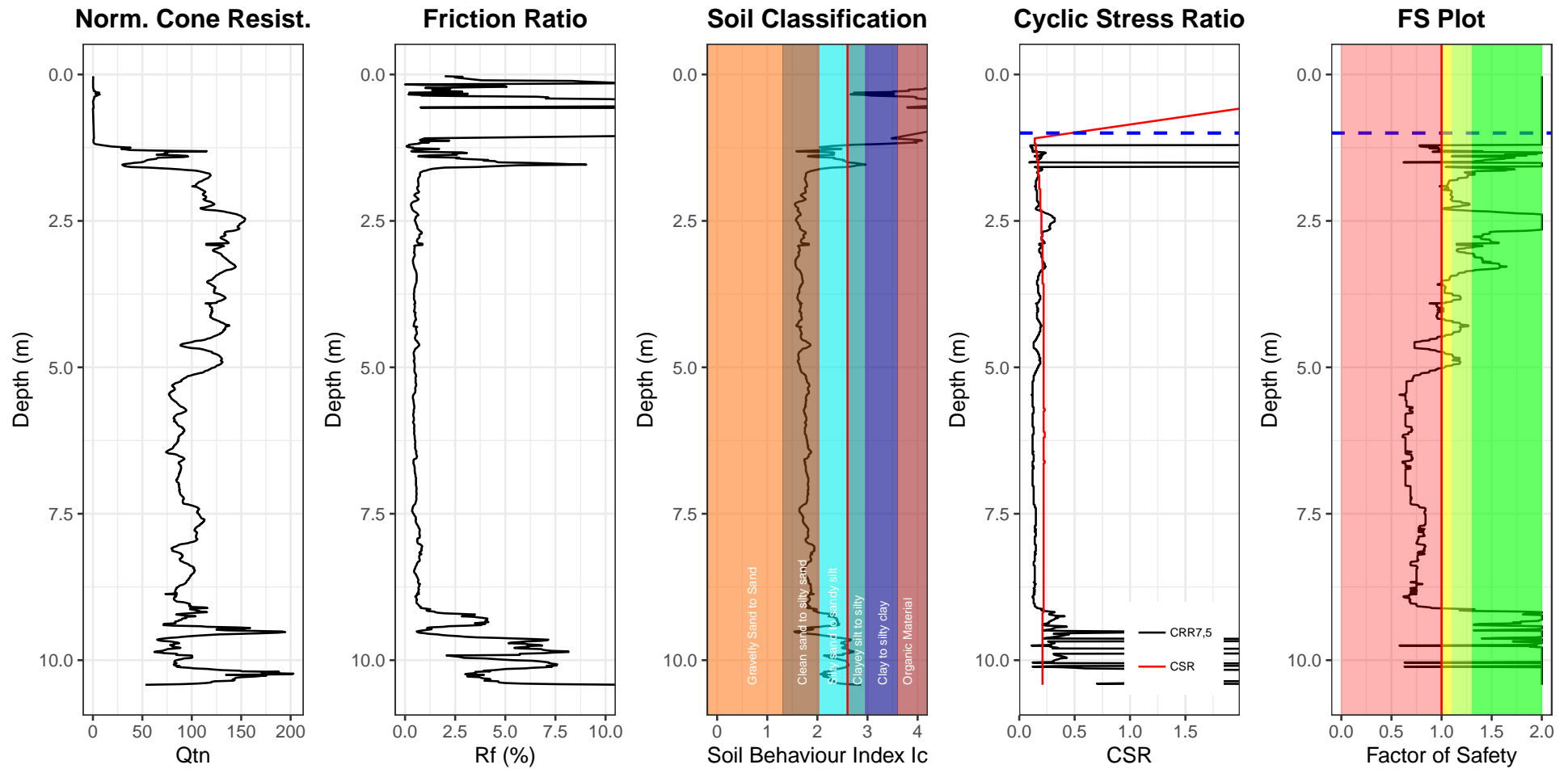
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Assumed
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619577 , 5428012

Raw Data Plots - CPT_121436



CPT_121436



Outputs for CPT_121436:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
117	8	22

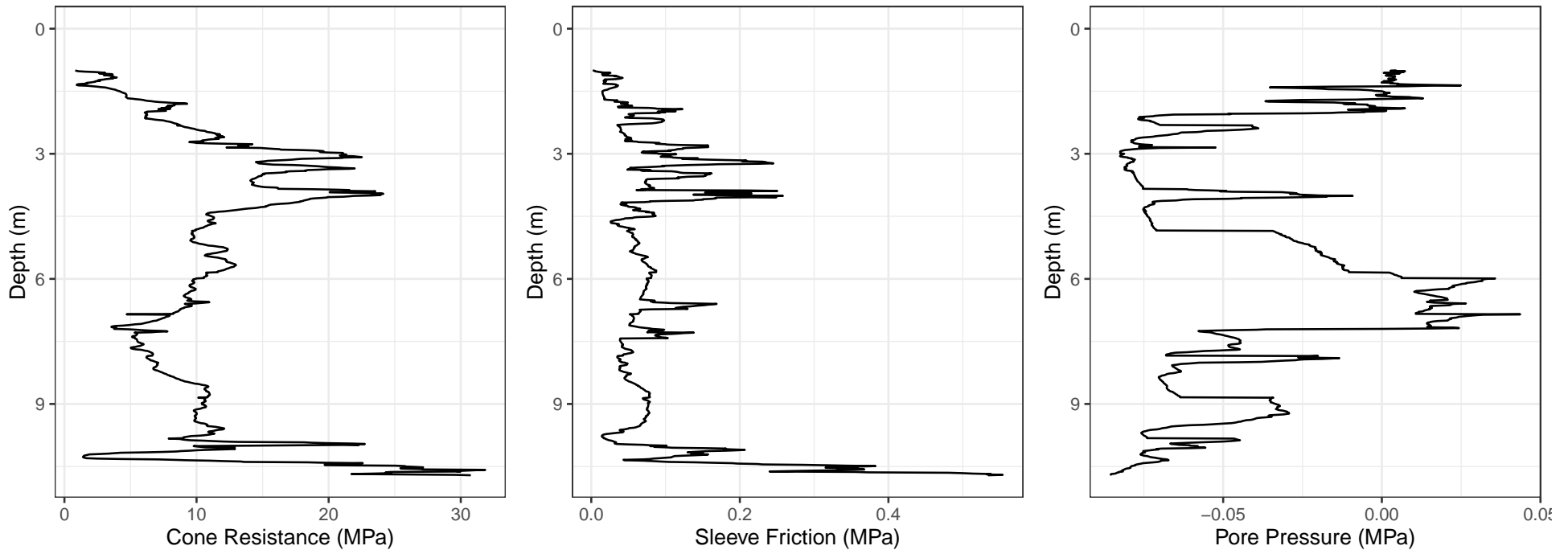
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

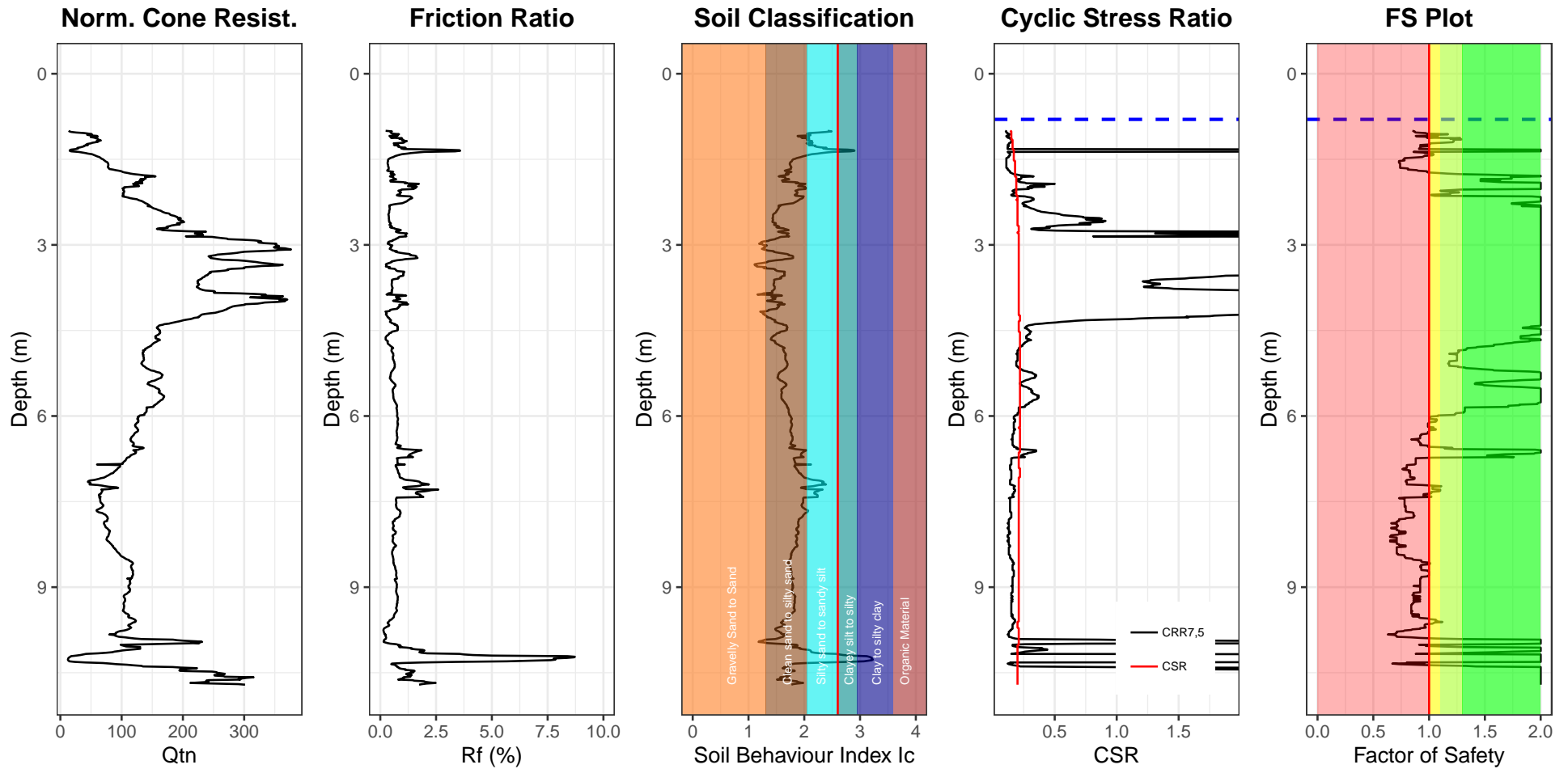
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620067 , 5428772

Raw Data Plots - CPT_121437



CPT_121437



Outputs for CPT_121437:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
74	4	17

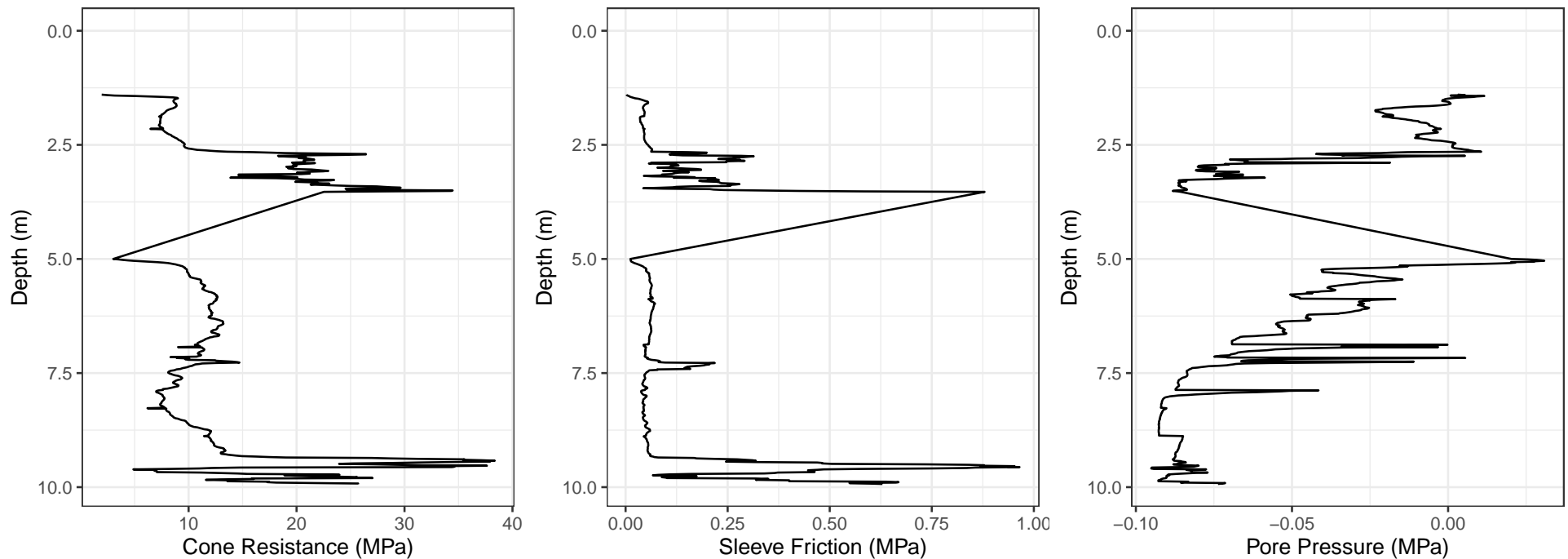
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

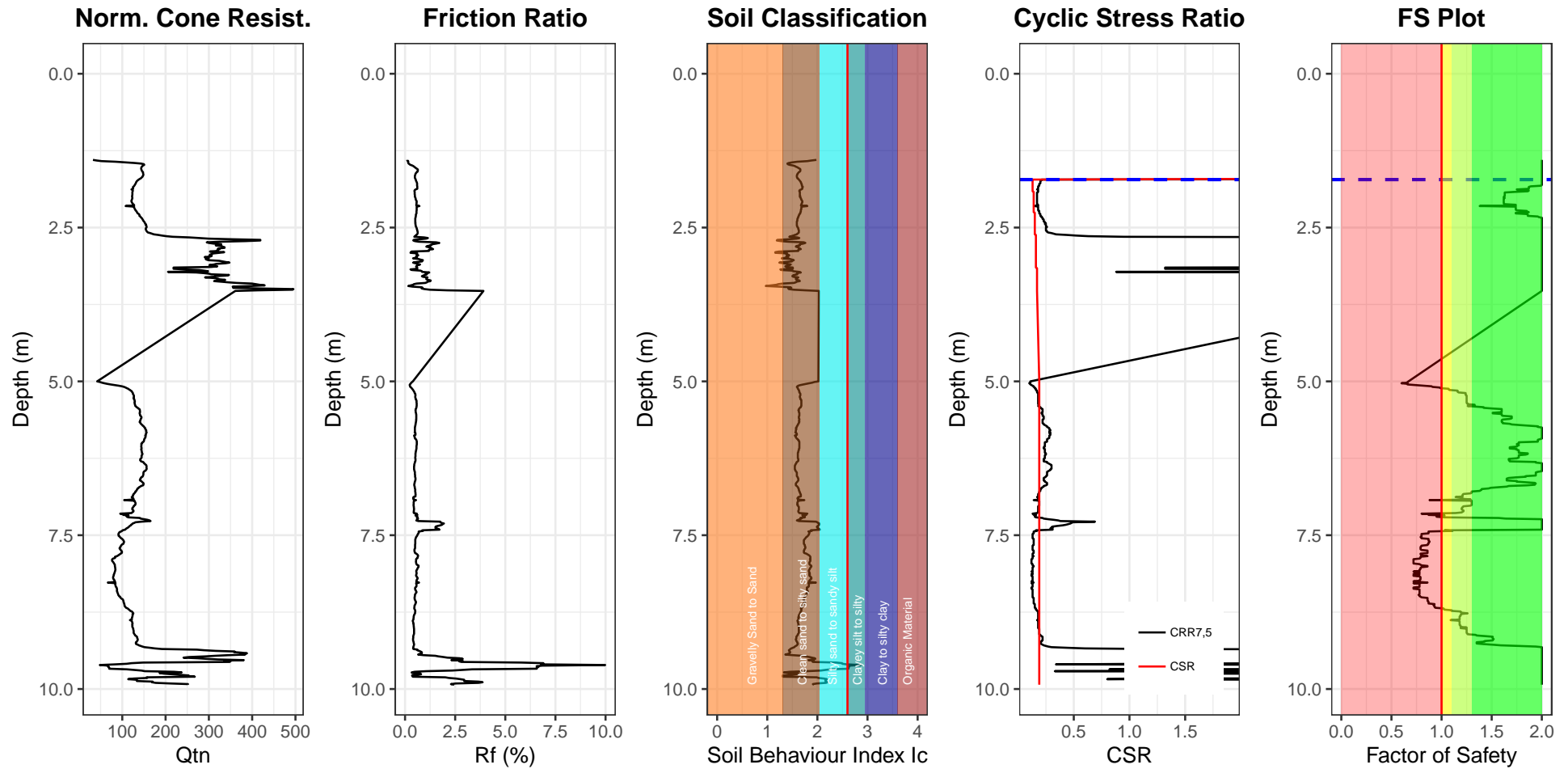
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.72
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620095 , 5428746

Raw Data Plots - CPT_121438



CPT_121438



Outputs for CPT_121438:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
75	5	13

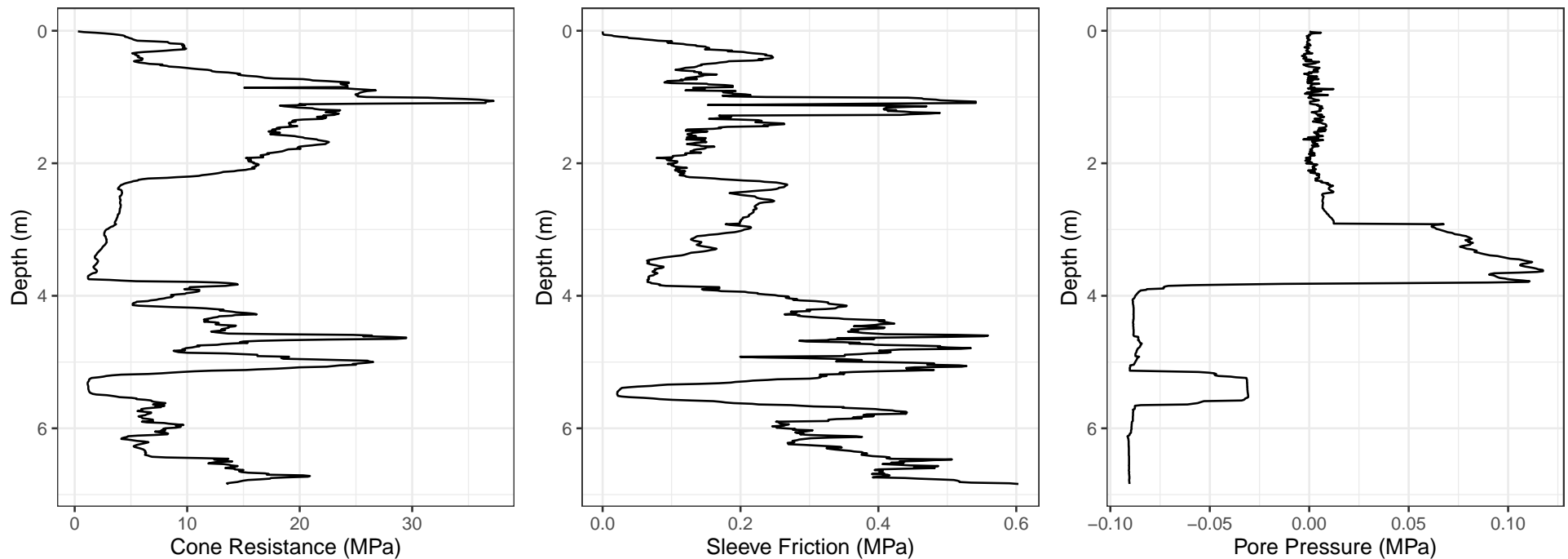
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

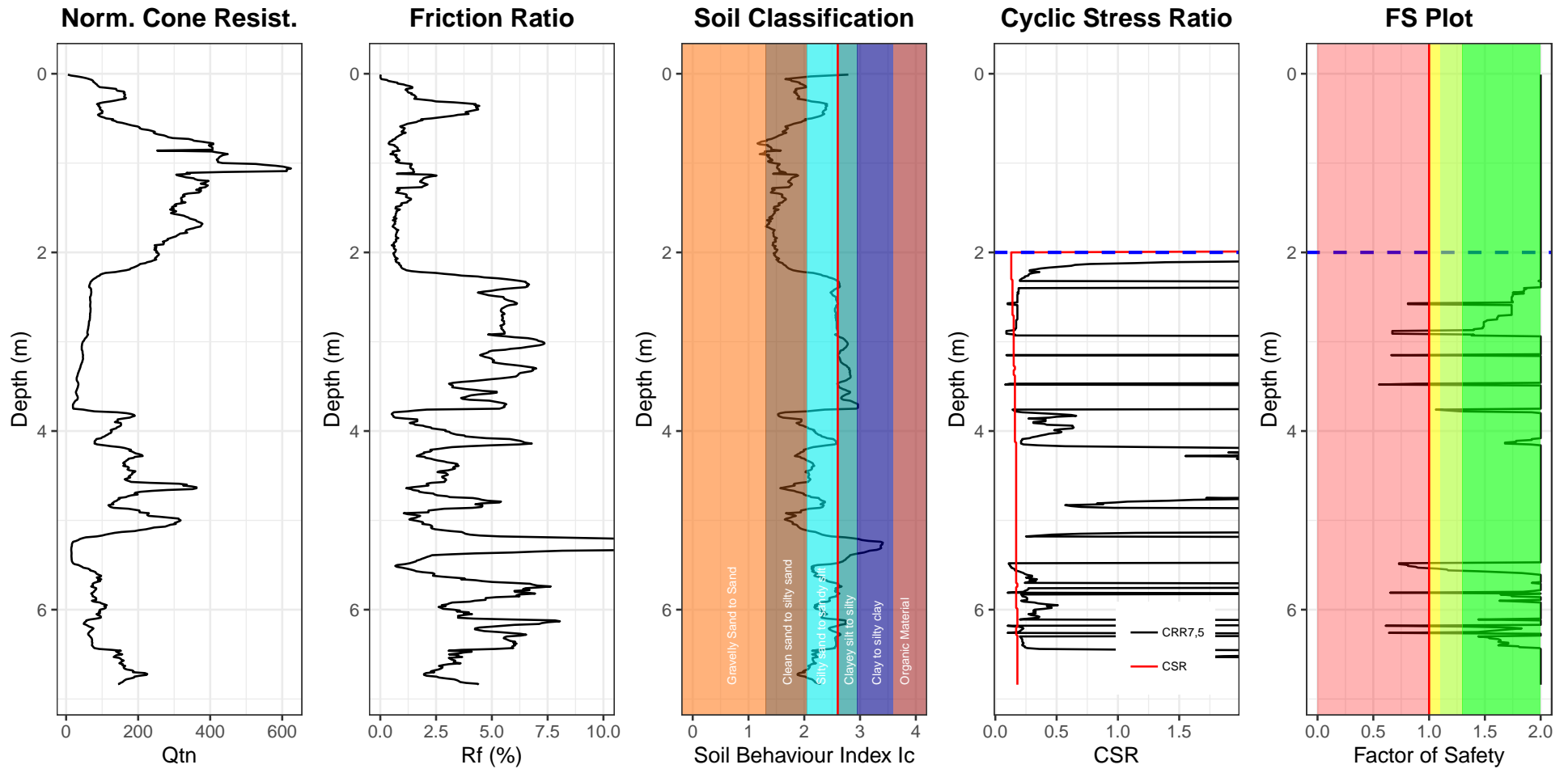
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619671 , 5427609

Raw Data Plots - CPT_121492



CPT_121492



Outputs for CPT_121492:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
6	0	2

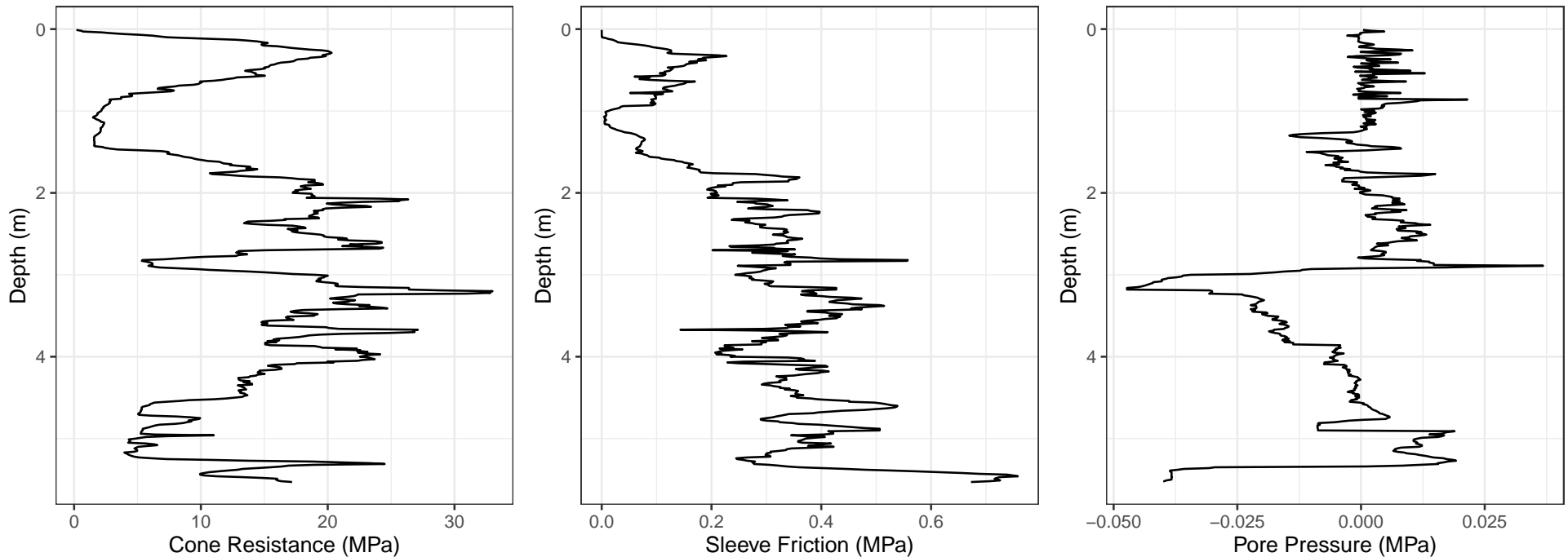
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

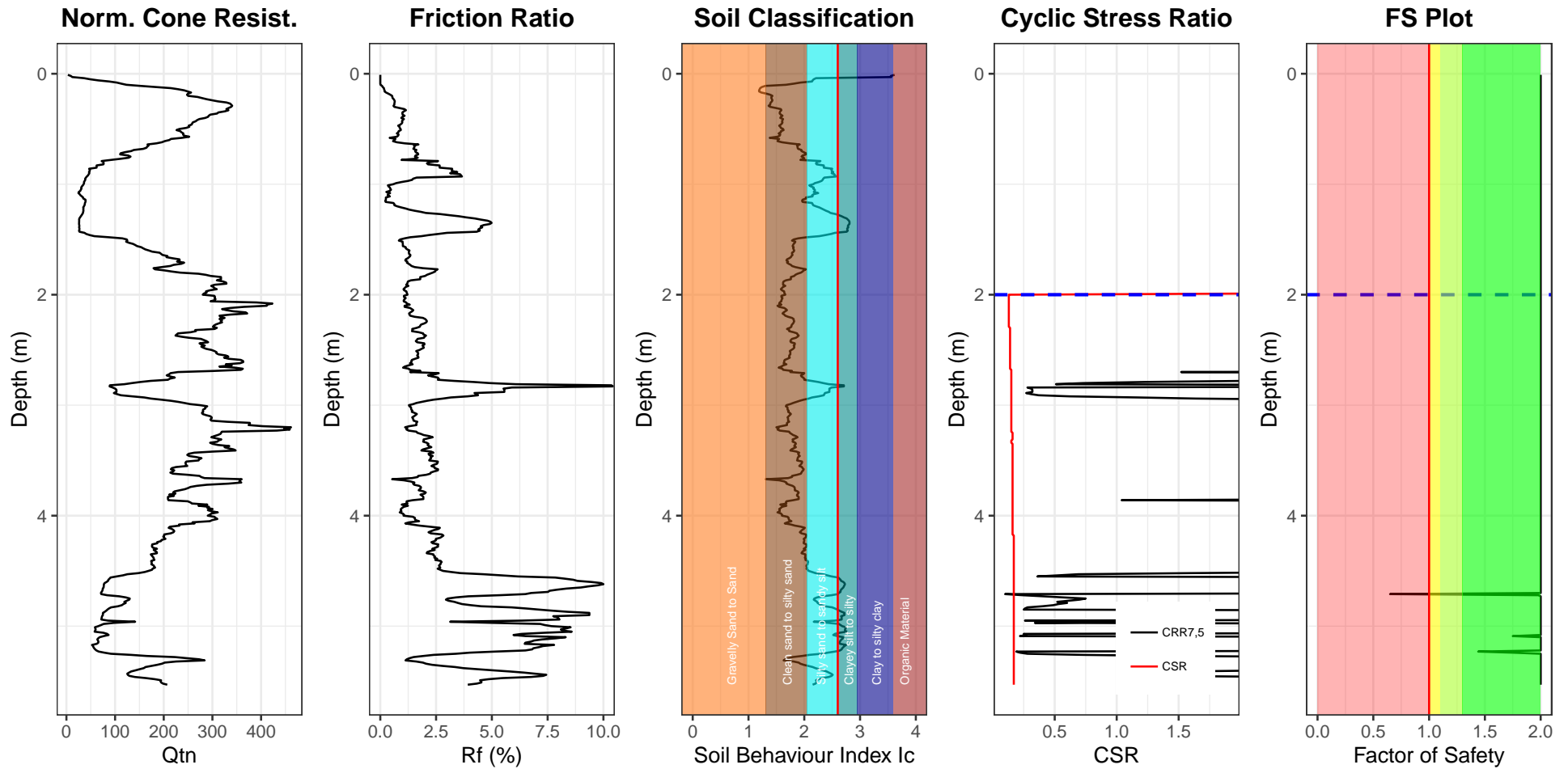
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619642 , 5427638

Raw Data Plots - CPT_121493



CPT_121493



Outputs for CPT_121493:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

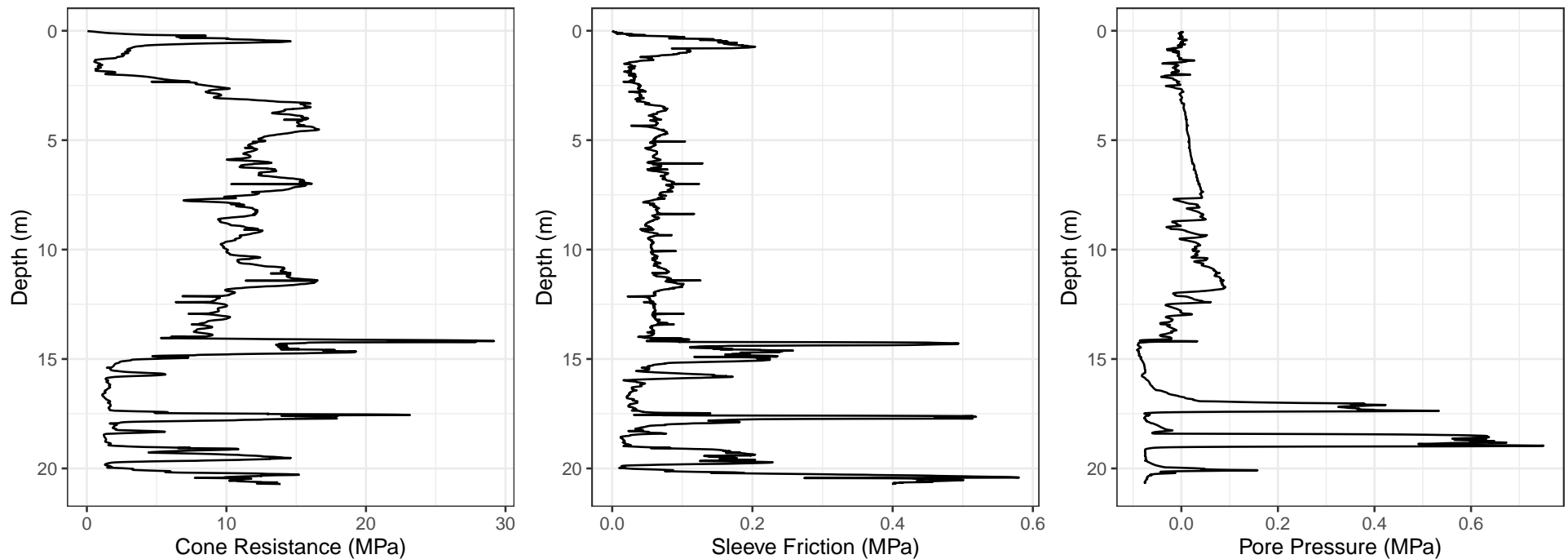
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

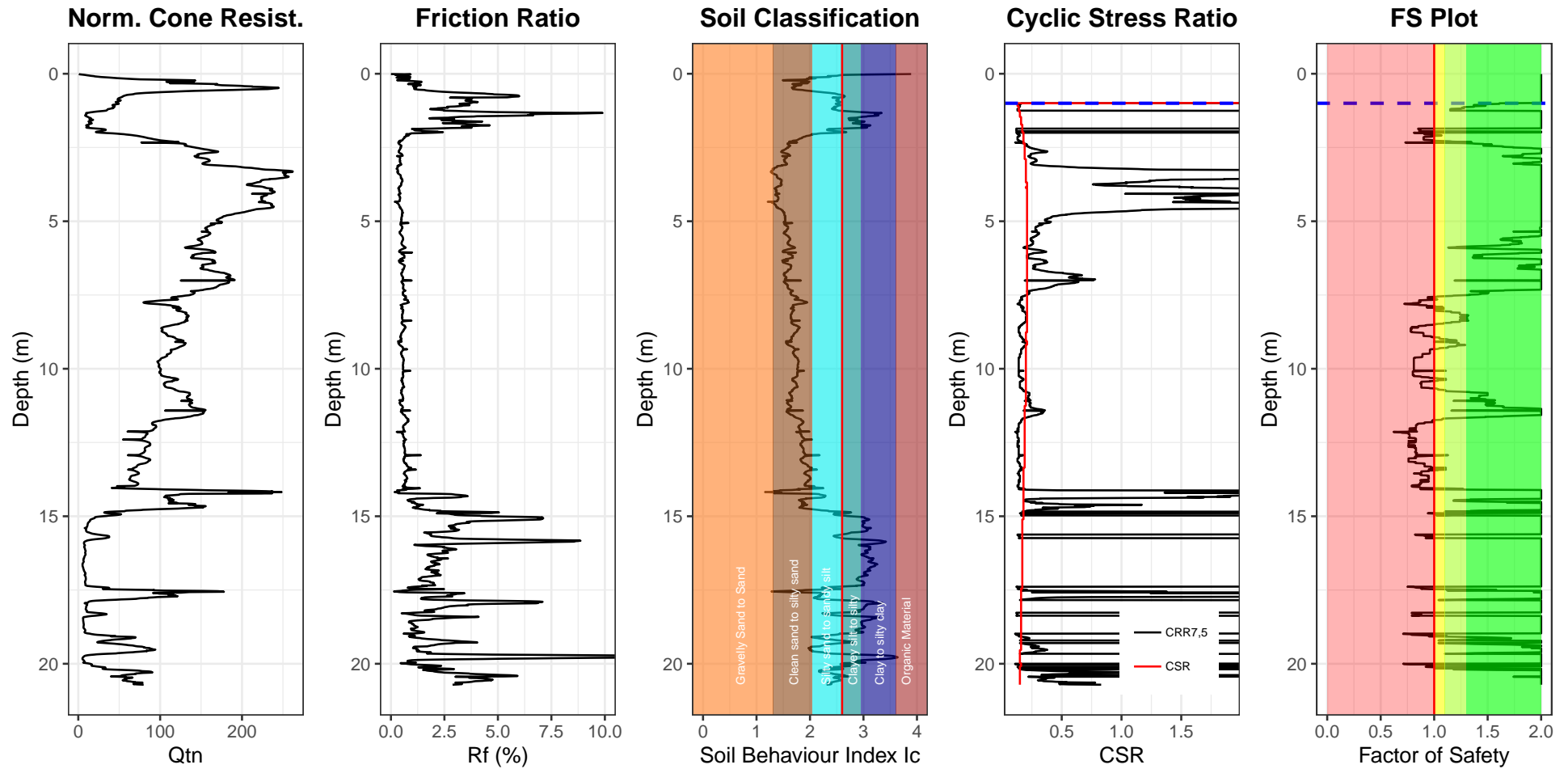
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619744 , 5429260

Raw Data Plots - CPT_128472



CPT_128472



Outputs for CPT_128472:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
97	3	12

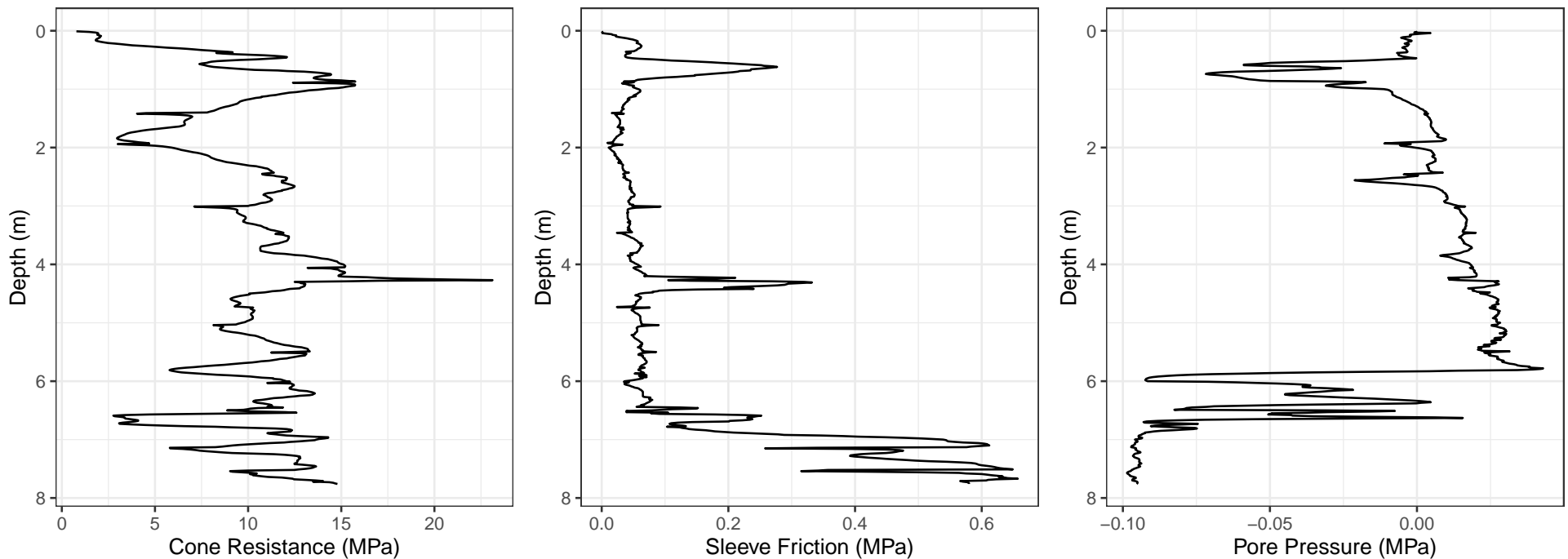
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

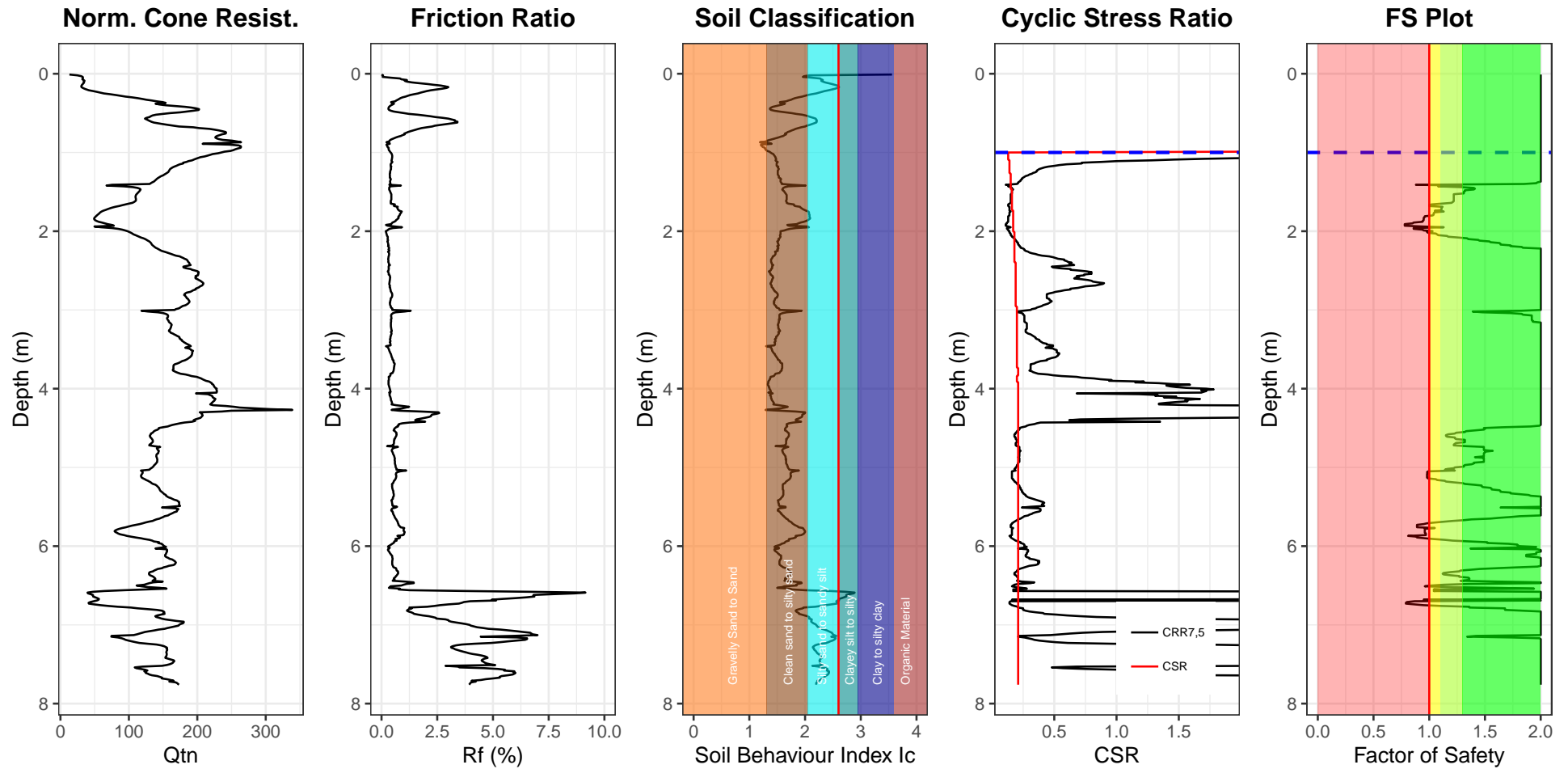
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619738 , 5429254

Raw Data Plots - CPT_128473



CPT_128473



Outputs for CPT_128473:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
13	0	5

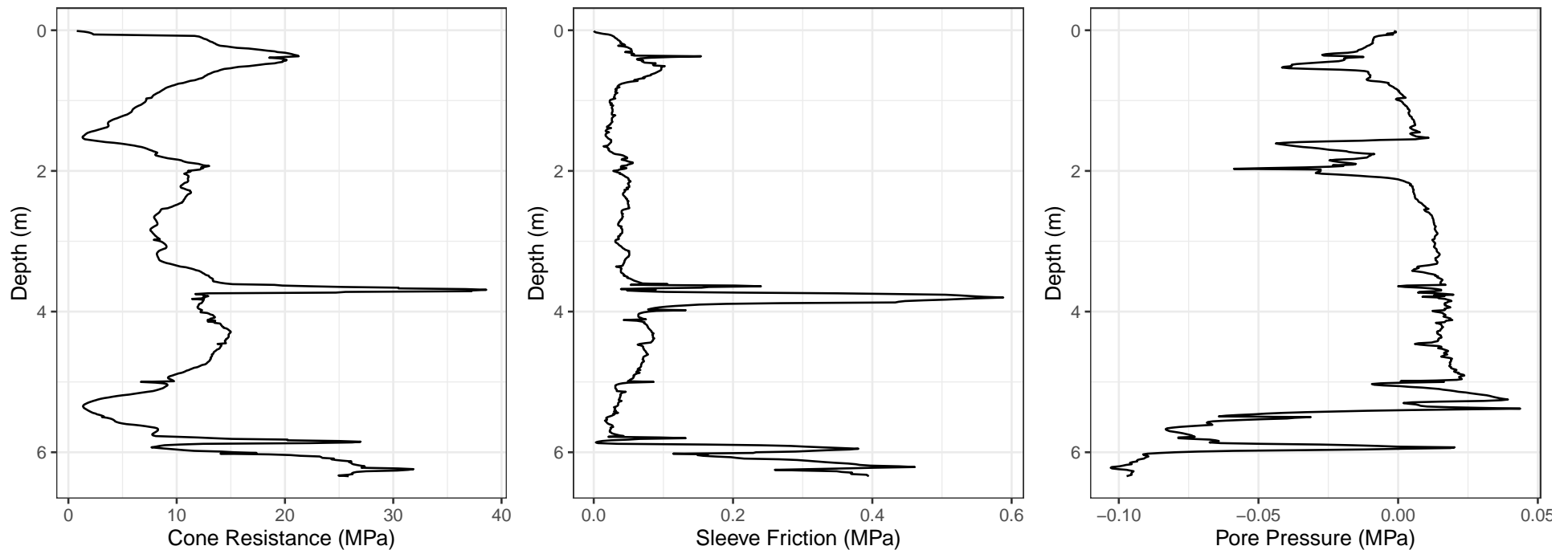
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

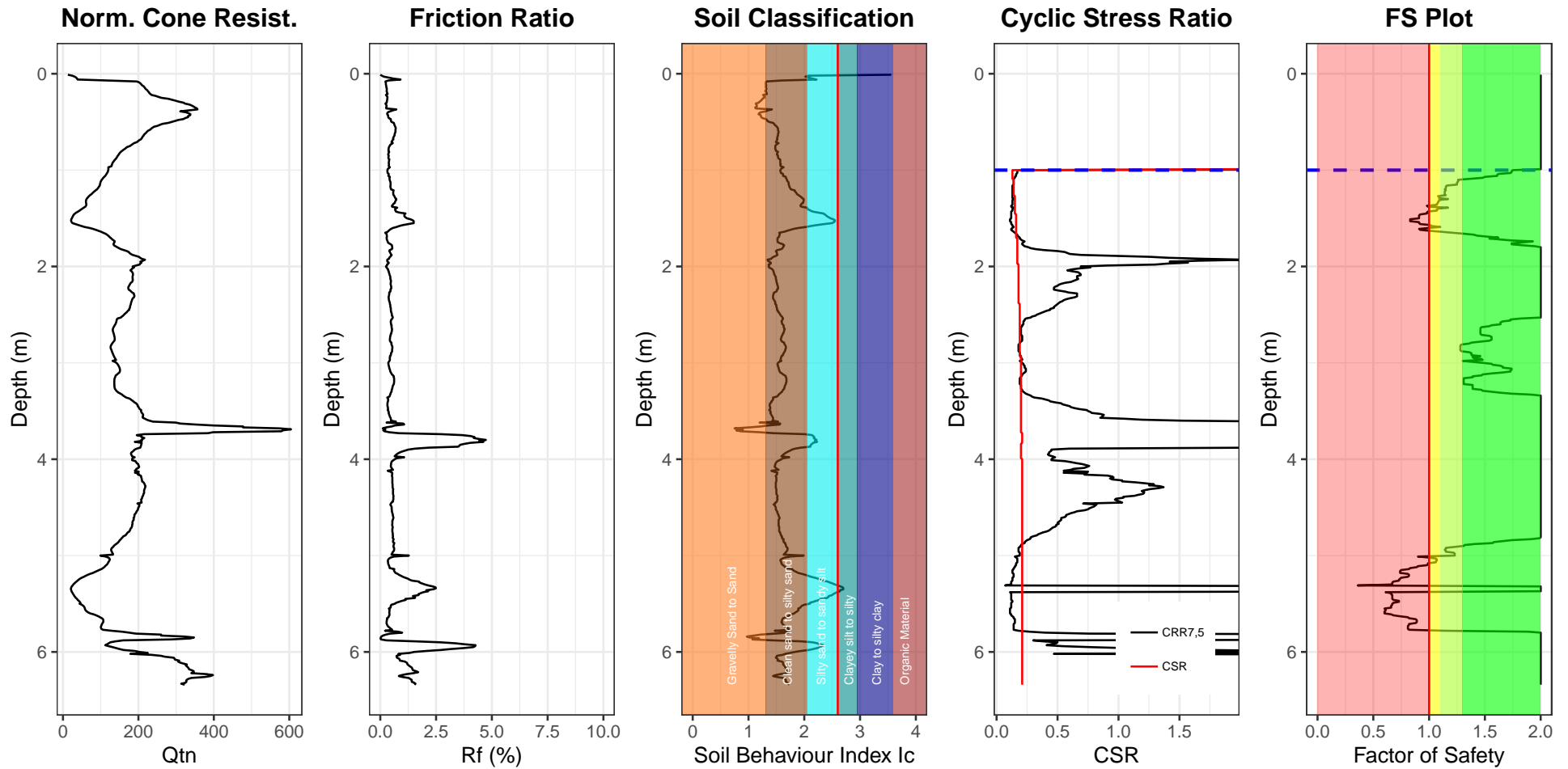
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620594 , 5429853

Raw Data Plots - CPT_128474



CPT_128474



Outputs for CPT_128474:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
22	1	7

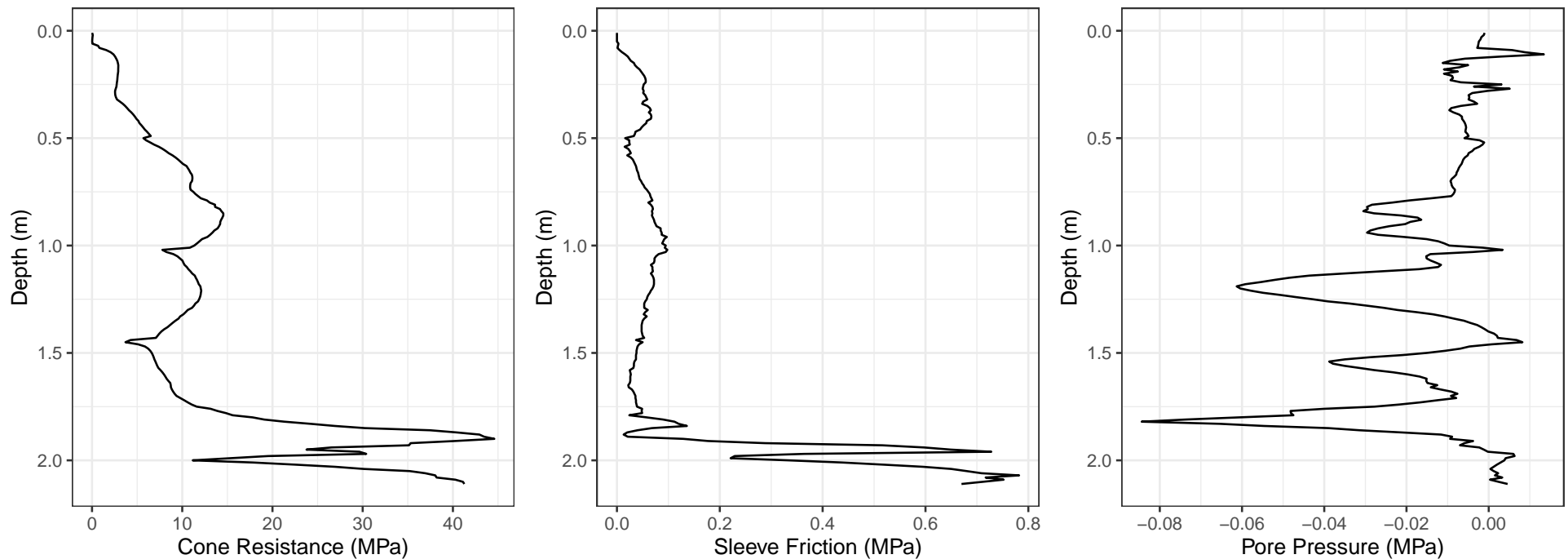
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

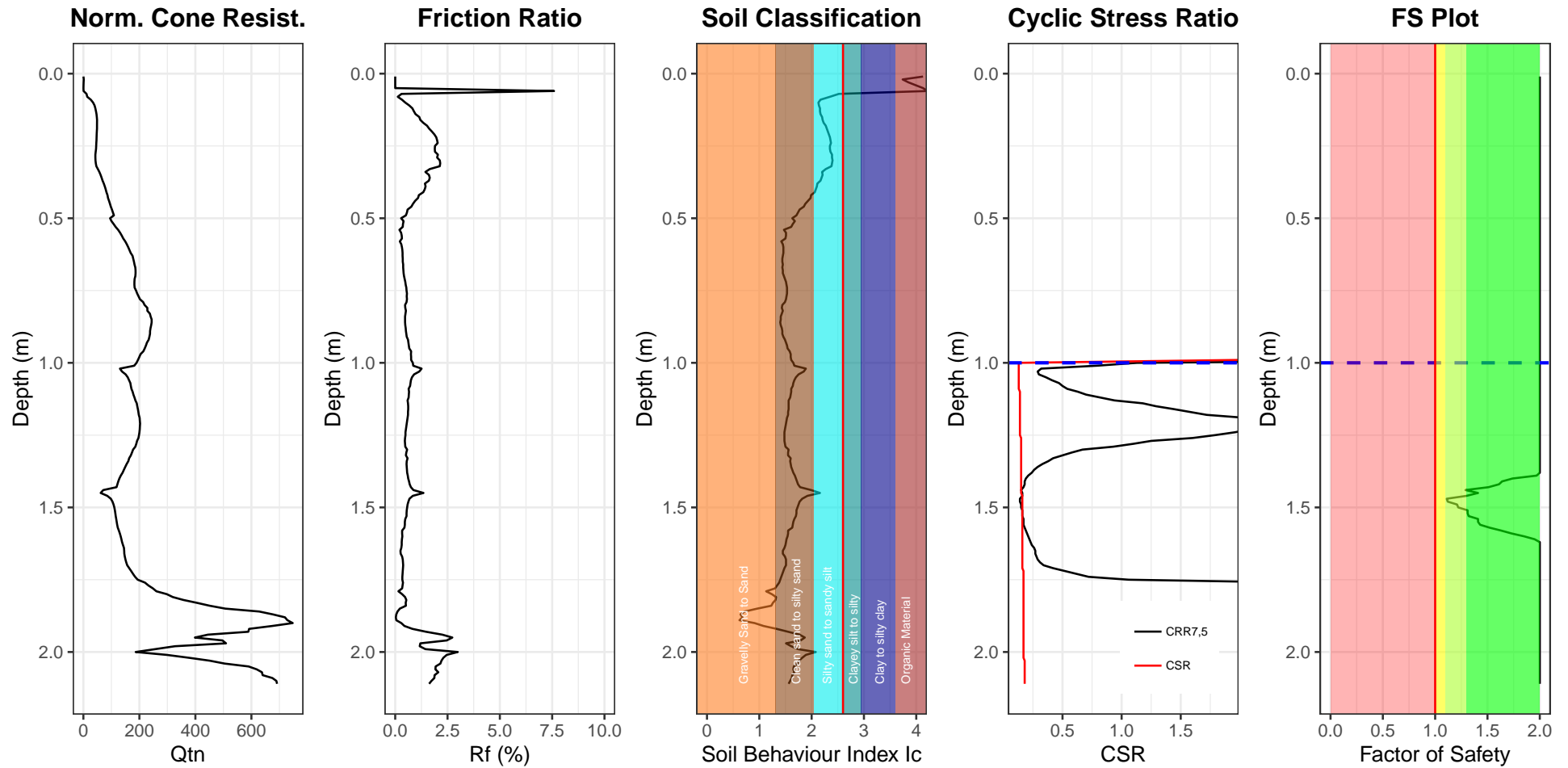
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620591 , 5429856

Raw Data Plots - CPT_128475



CPT_128475



Outputs for CPT_128475:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

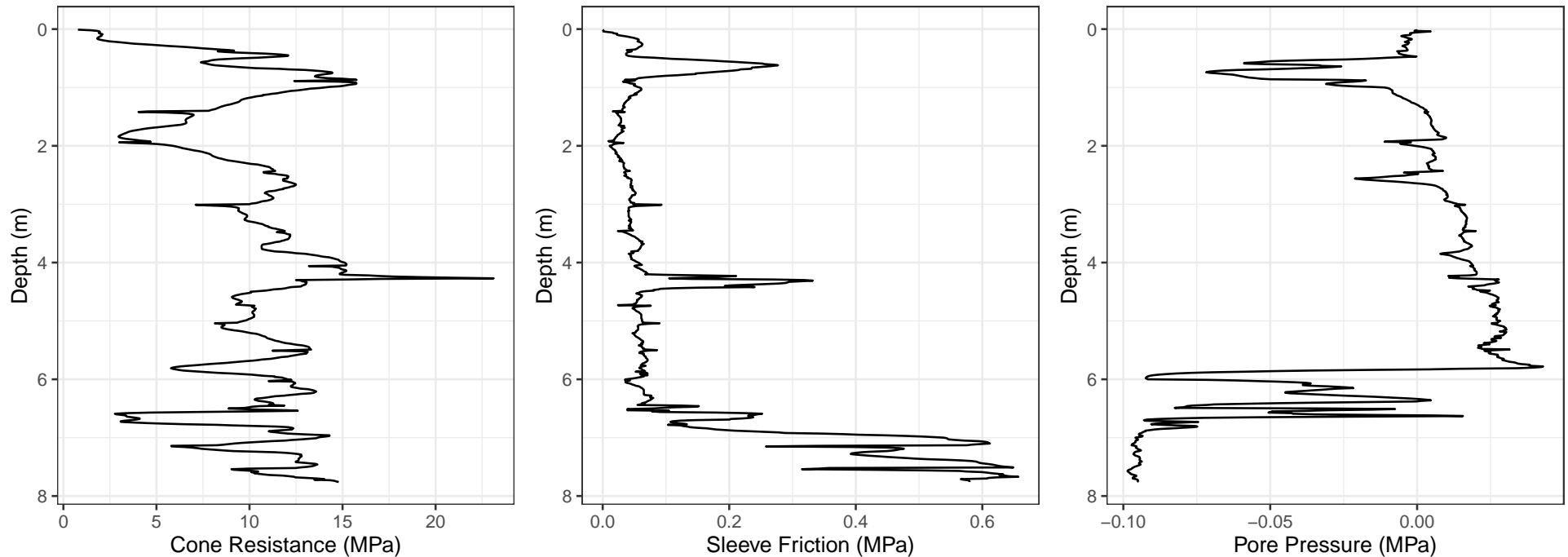
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

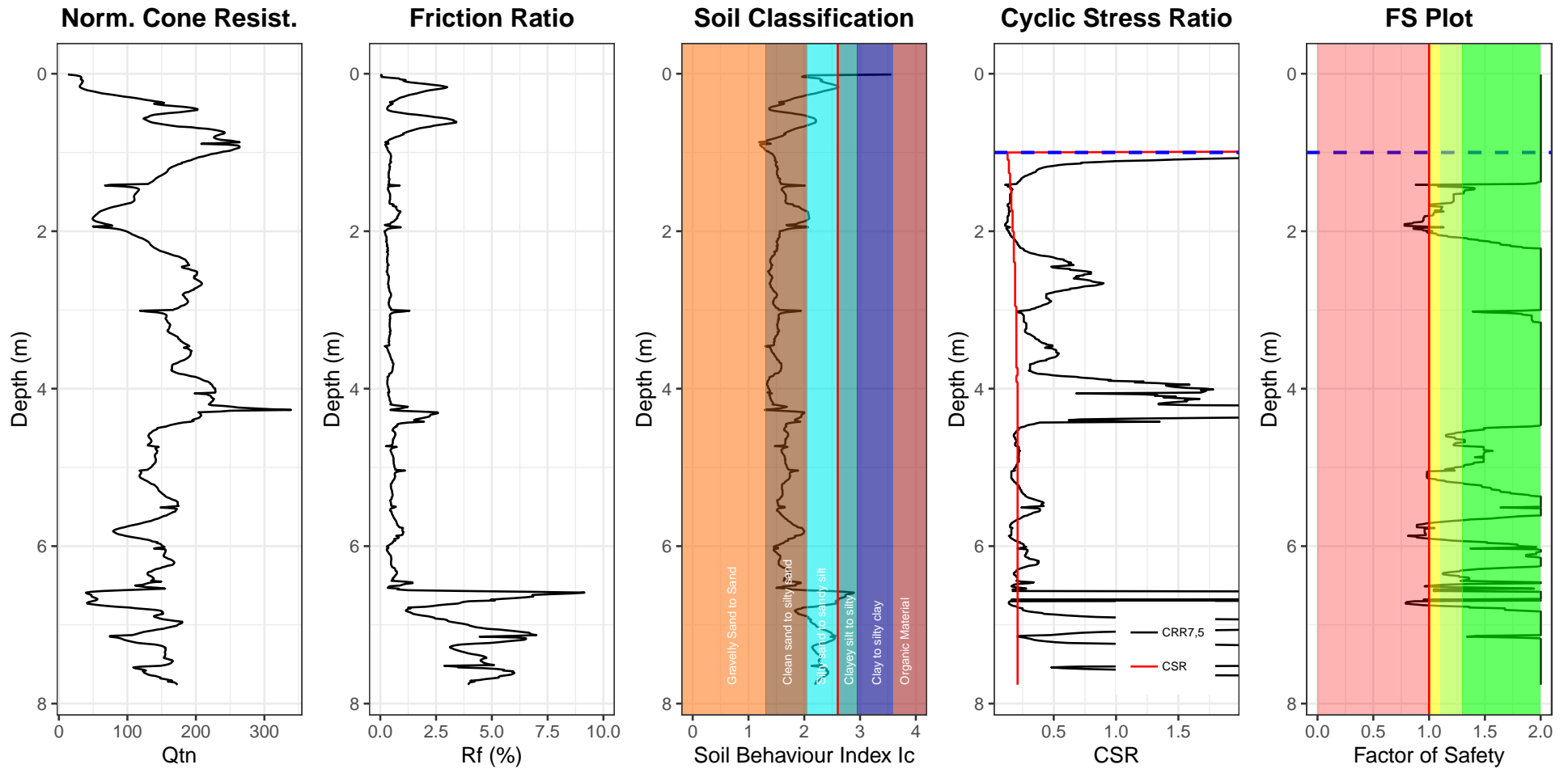
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620583 , 5429872

Raw Data Plots - CPT_128476



CPT_128476



Outputs for CPT_128476:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
13	0	5

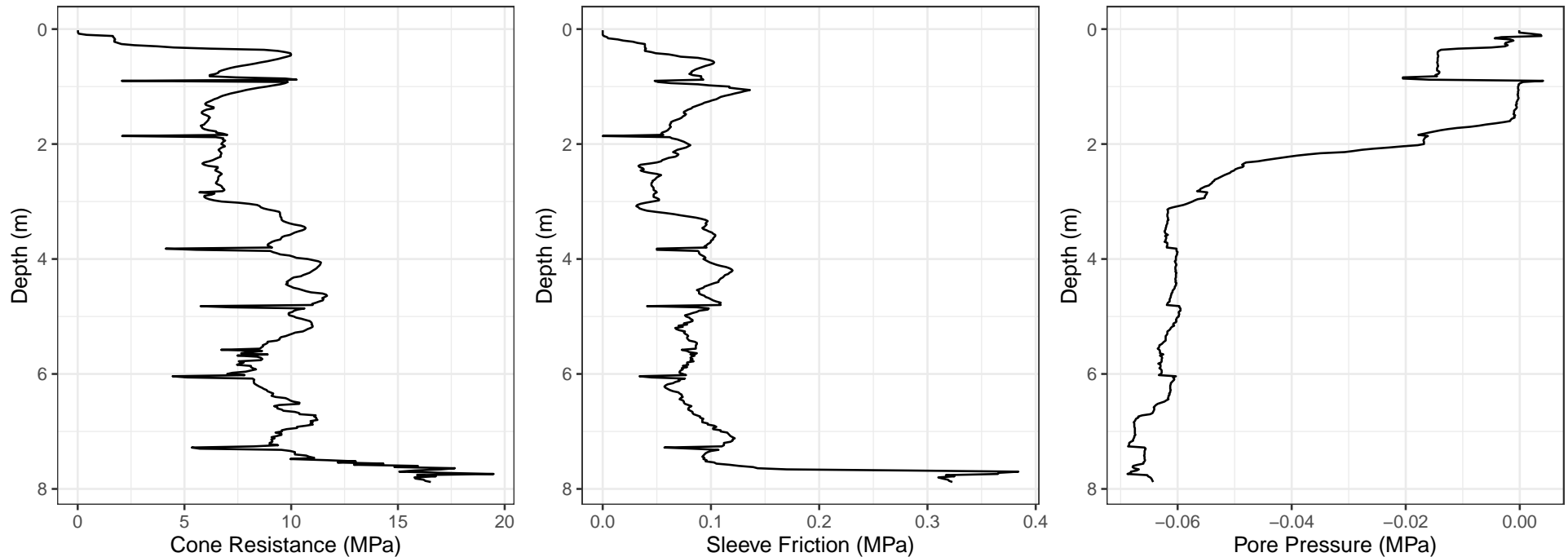
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

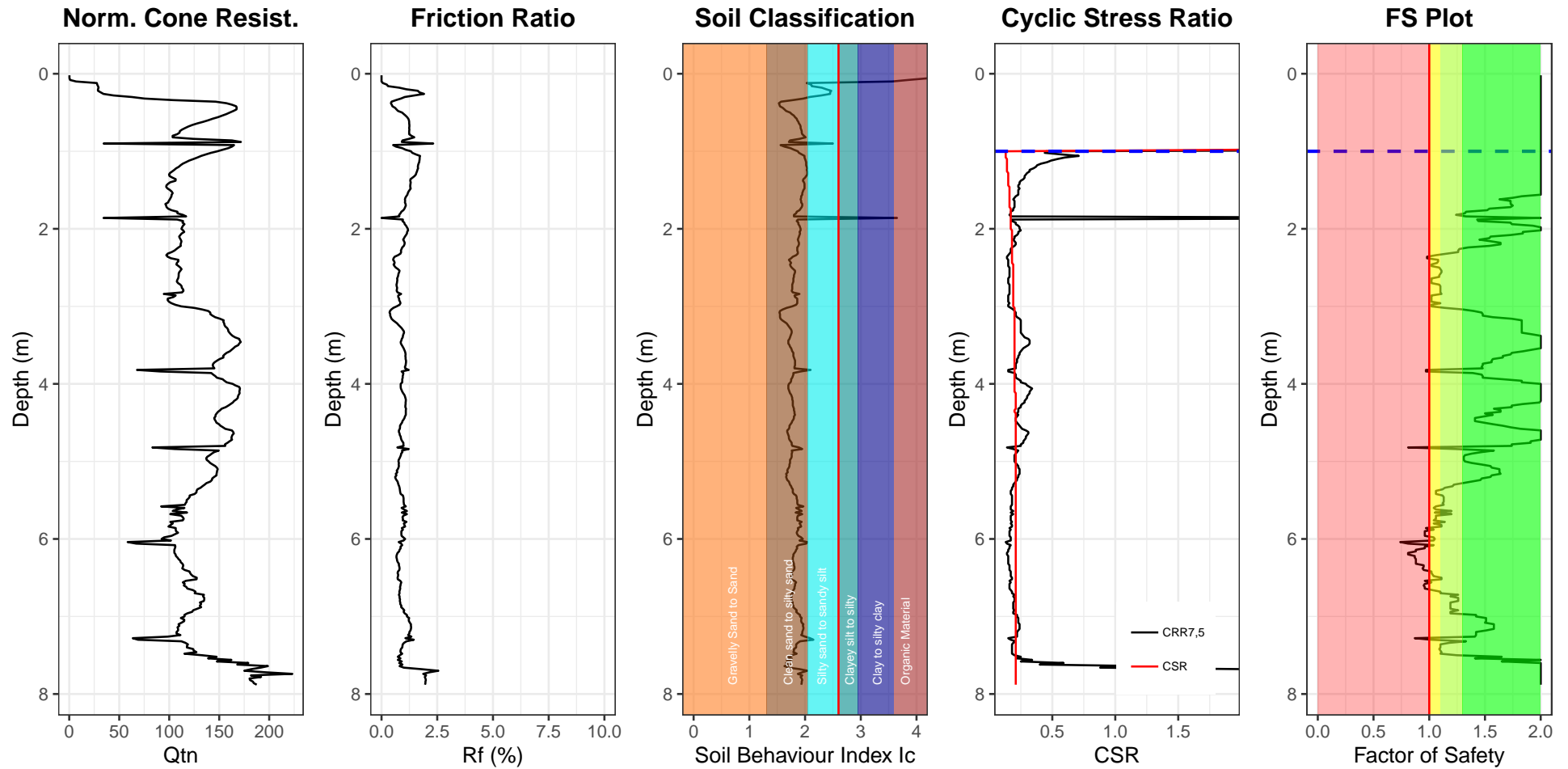
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618744 , 5427764

Raw Data Plots - CPT_128829



CPT_128829



Outputs for CPT_128829:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
20	0	4

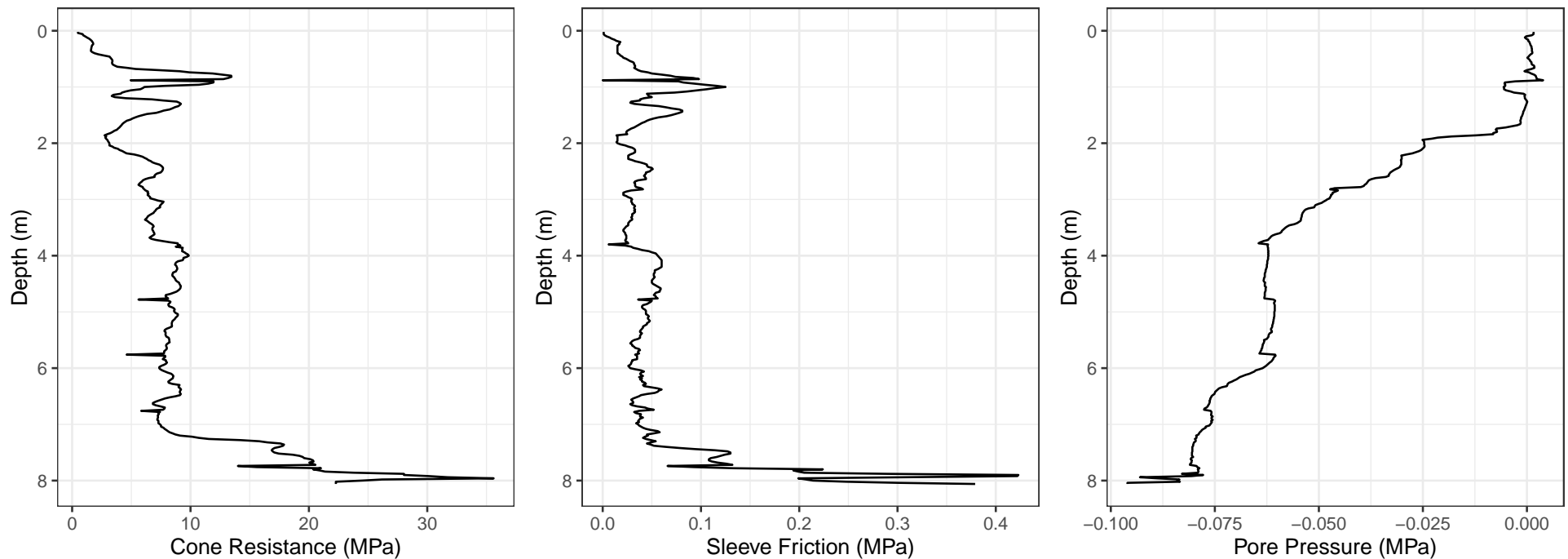
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

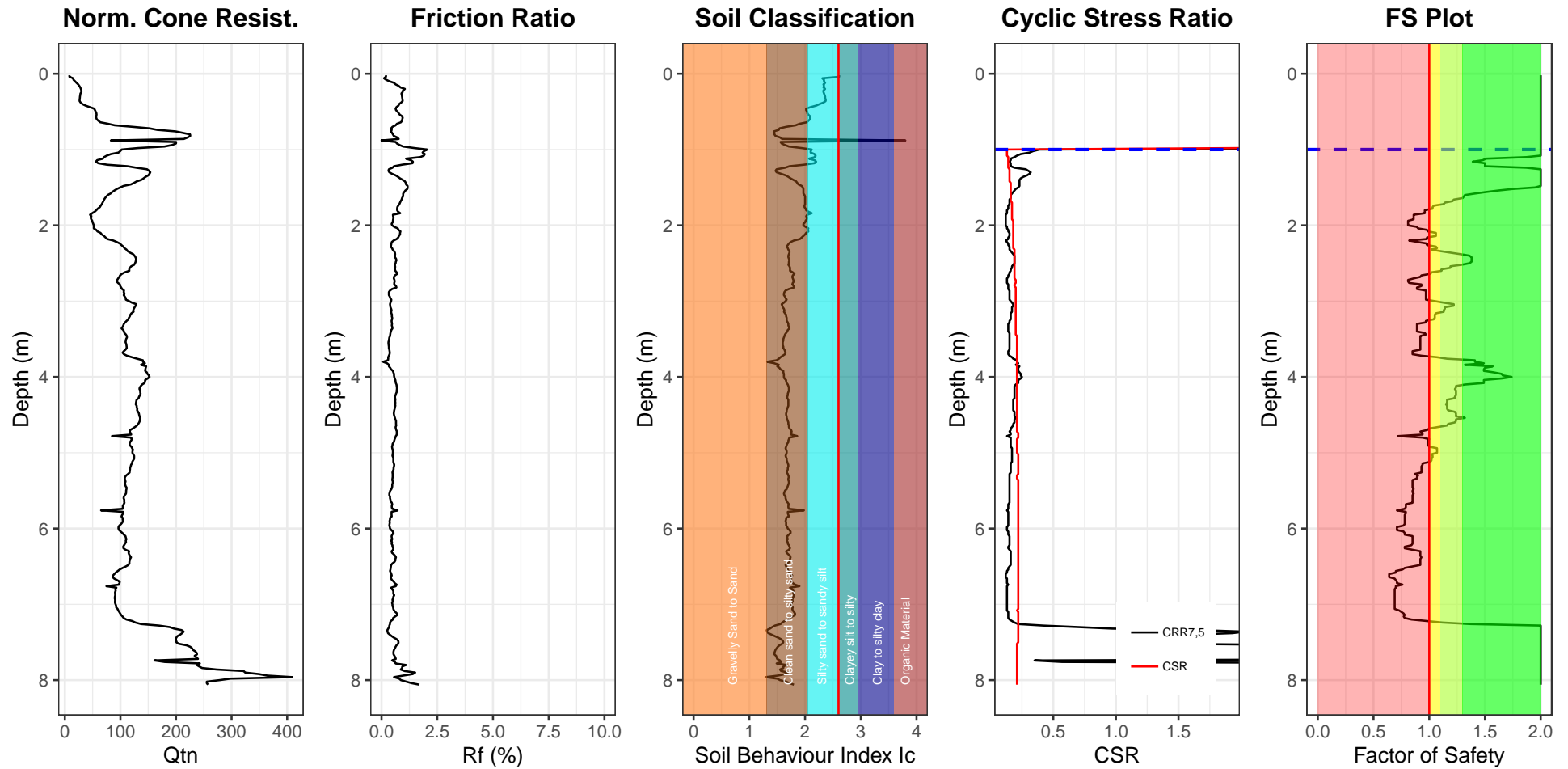
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618813 , 5427811

Raw Data Plots - CPT_128830



CPT_128830



Outputs for CPT_128830:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
69	4	17

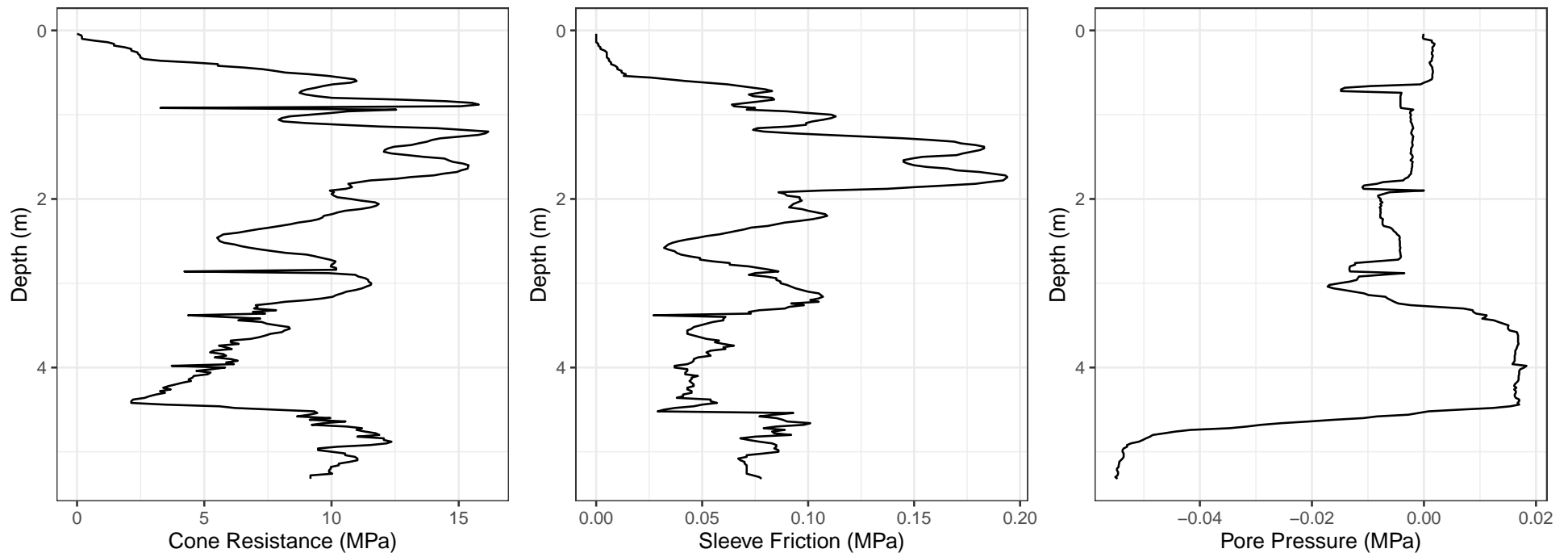
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

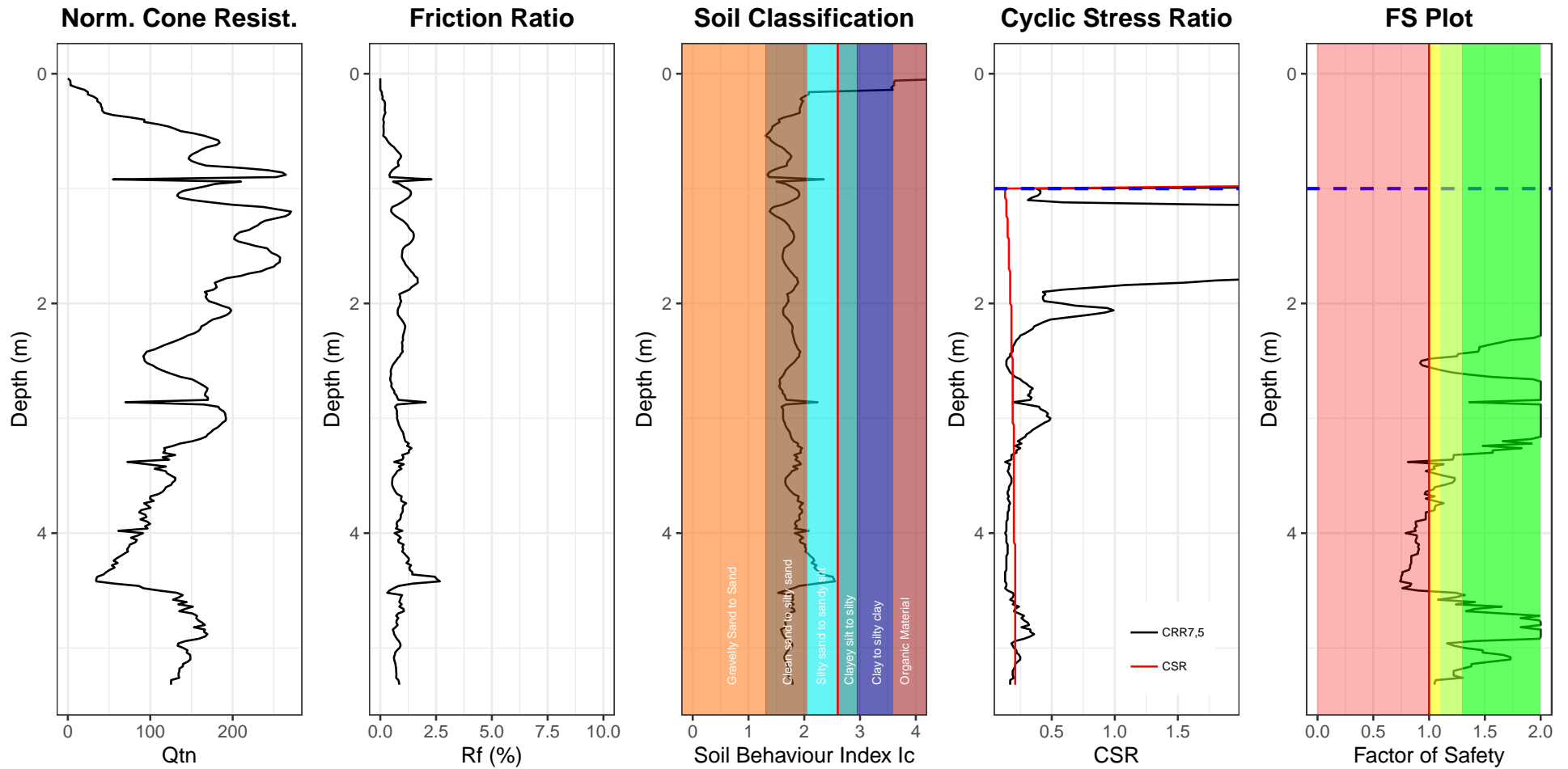
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.04
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618812 , 5427838

Raw Data Plots - CPT_128831



CPT_128831



Outputs for CPT_128831:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
18	1	5

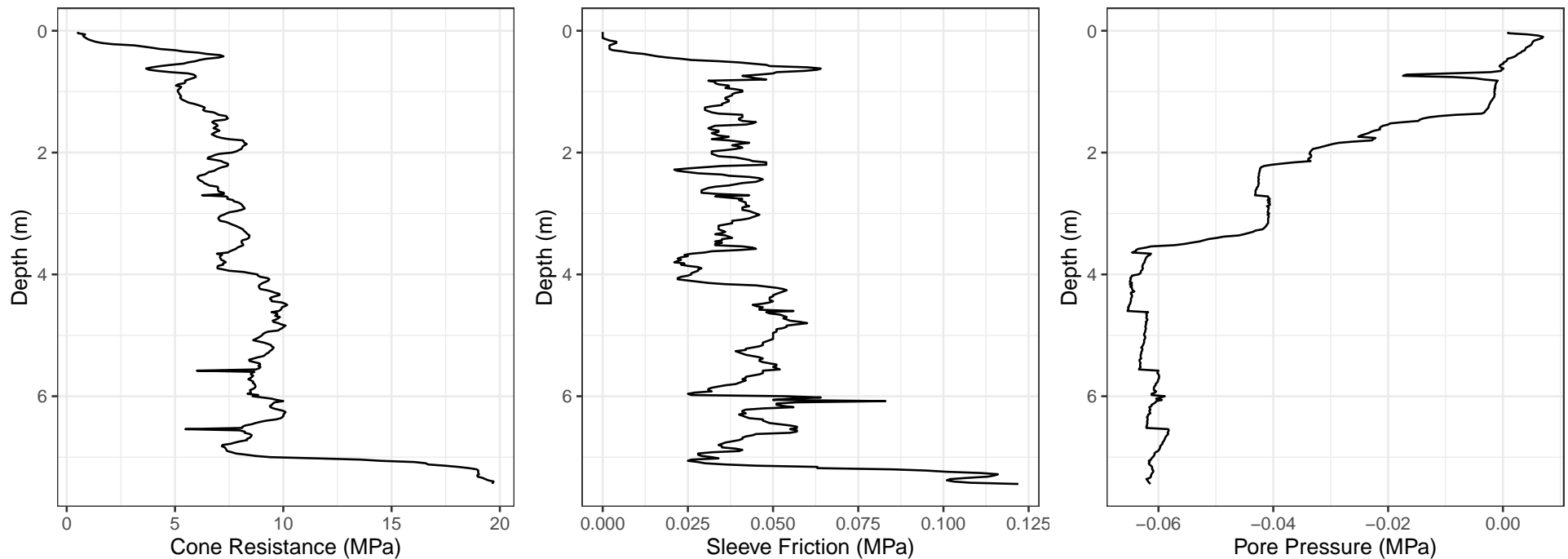
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

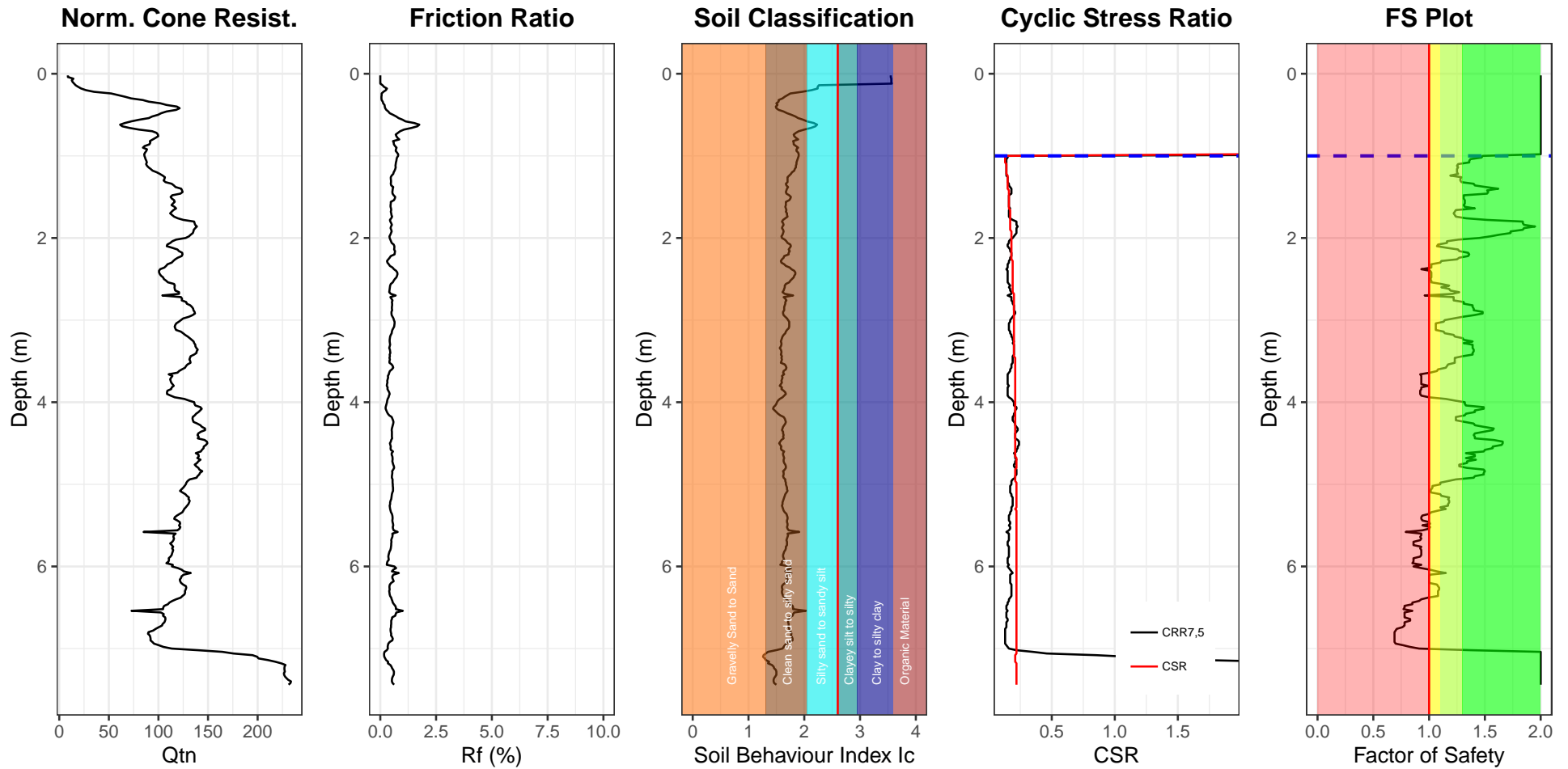
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618844 , 5427879

Raw Data Plots - CPT_128832



CPT_128832



Outputs for CPT_128832:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
38	1	9

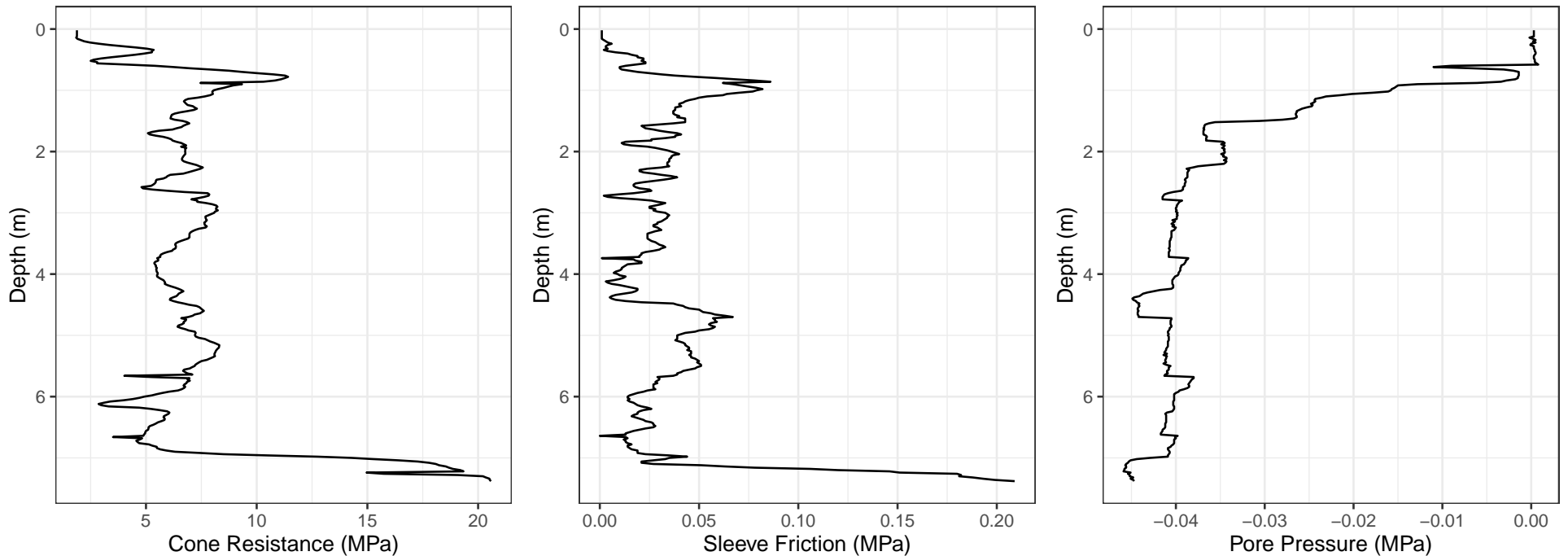
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

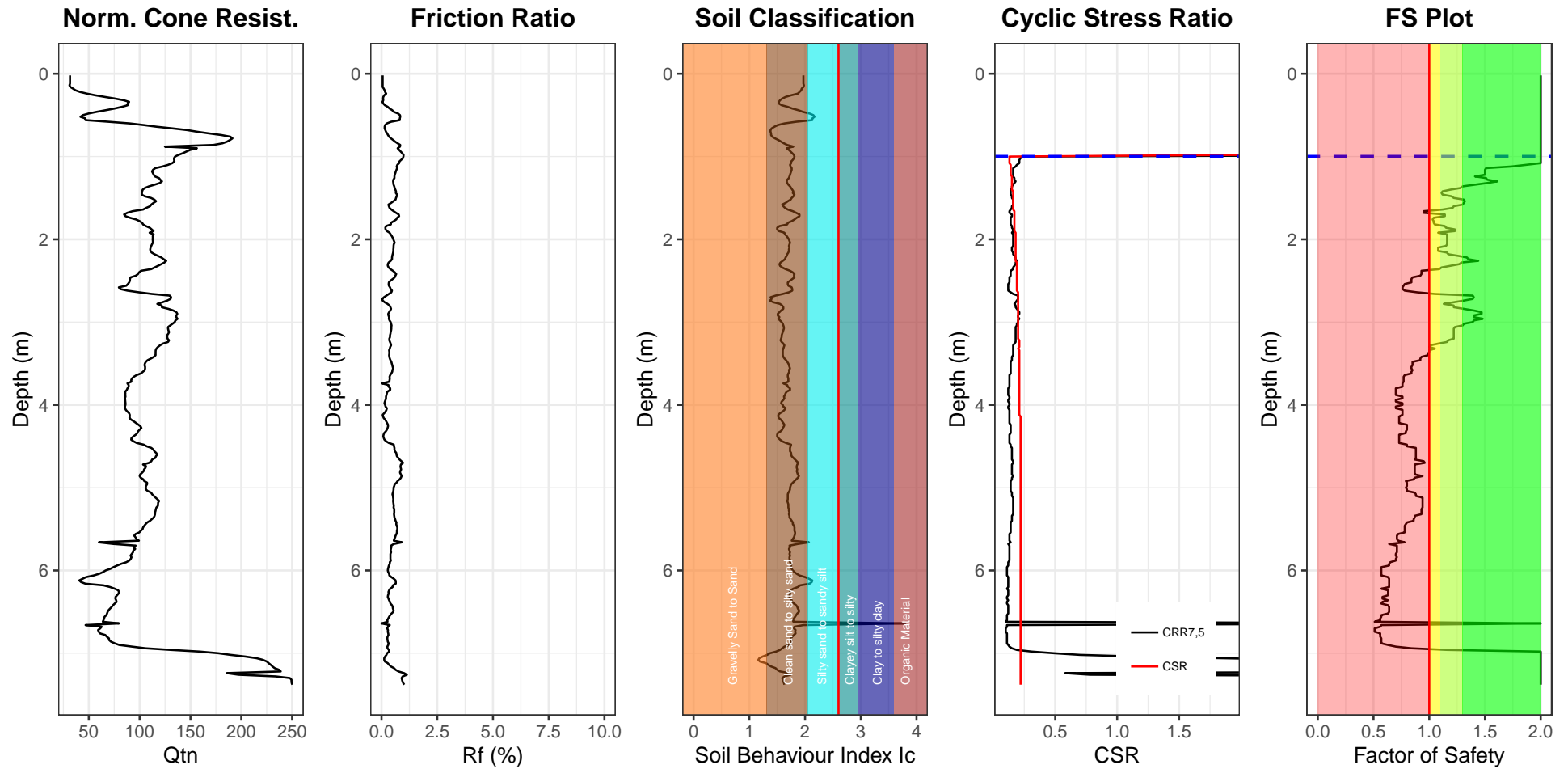
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618882 , 5427919

Raw Data Plots - CPT_128853



CPT_128853



Outputs for CPT_128853:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
92	7	21

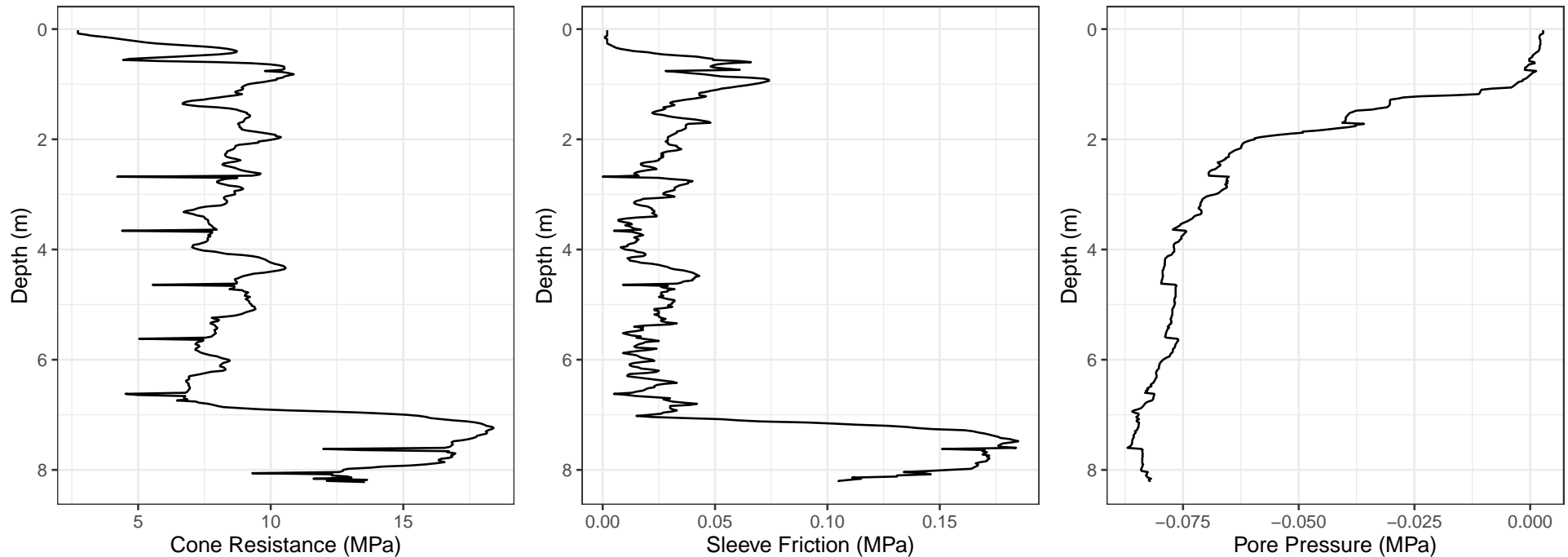
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

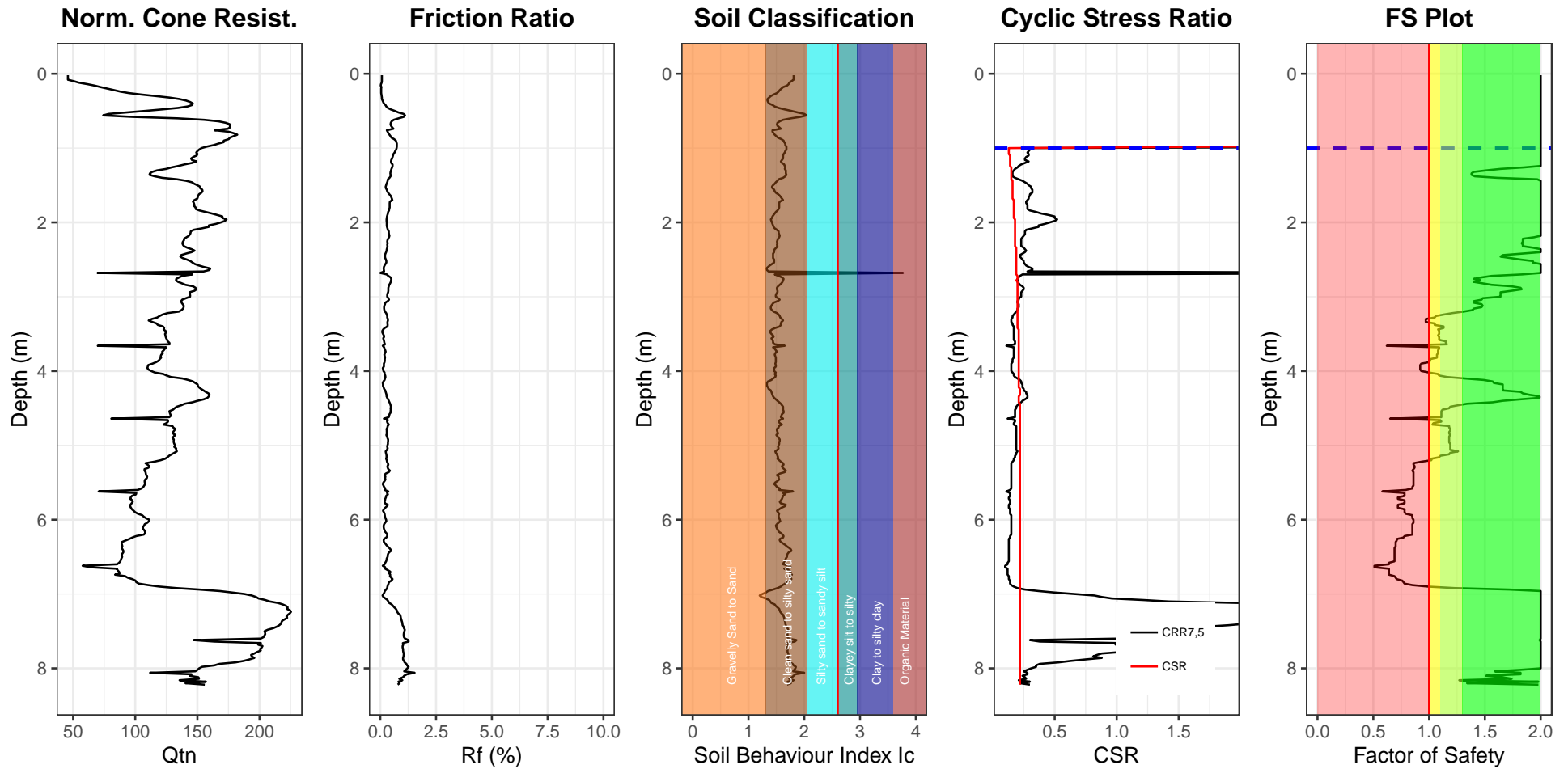
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618940 , 5427897

Raw Data Plots - CPT_128854



CPT_128854



Outputs for CPT_128854:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
45	3	8

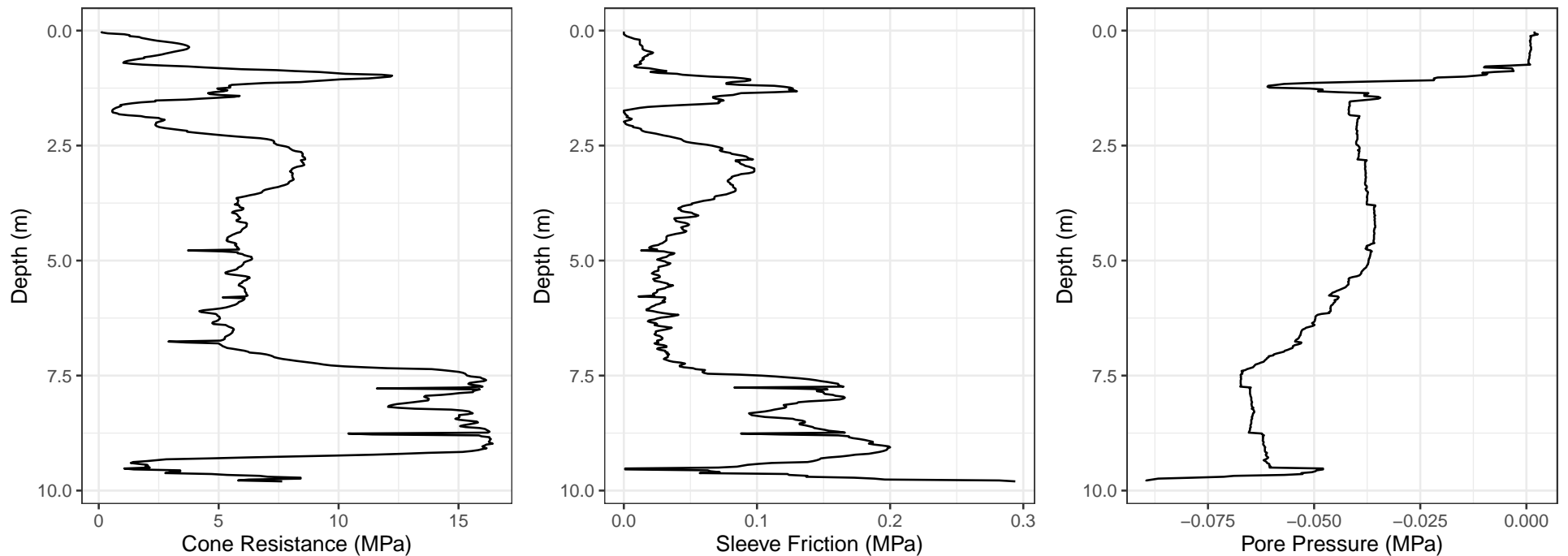
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

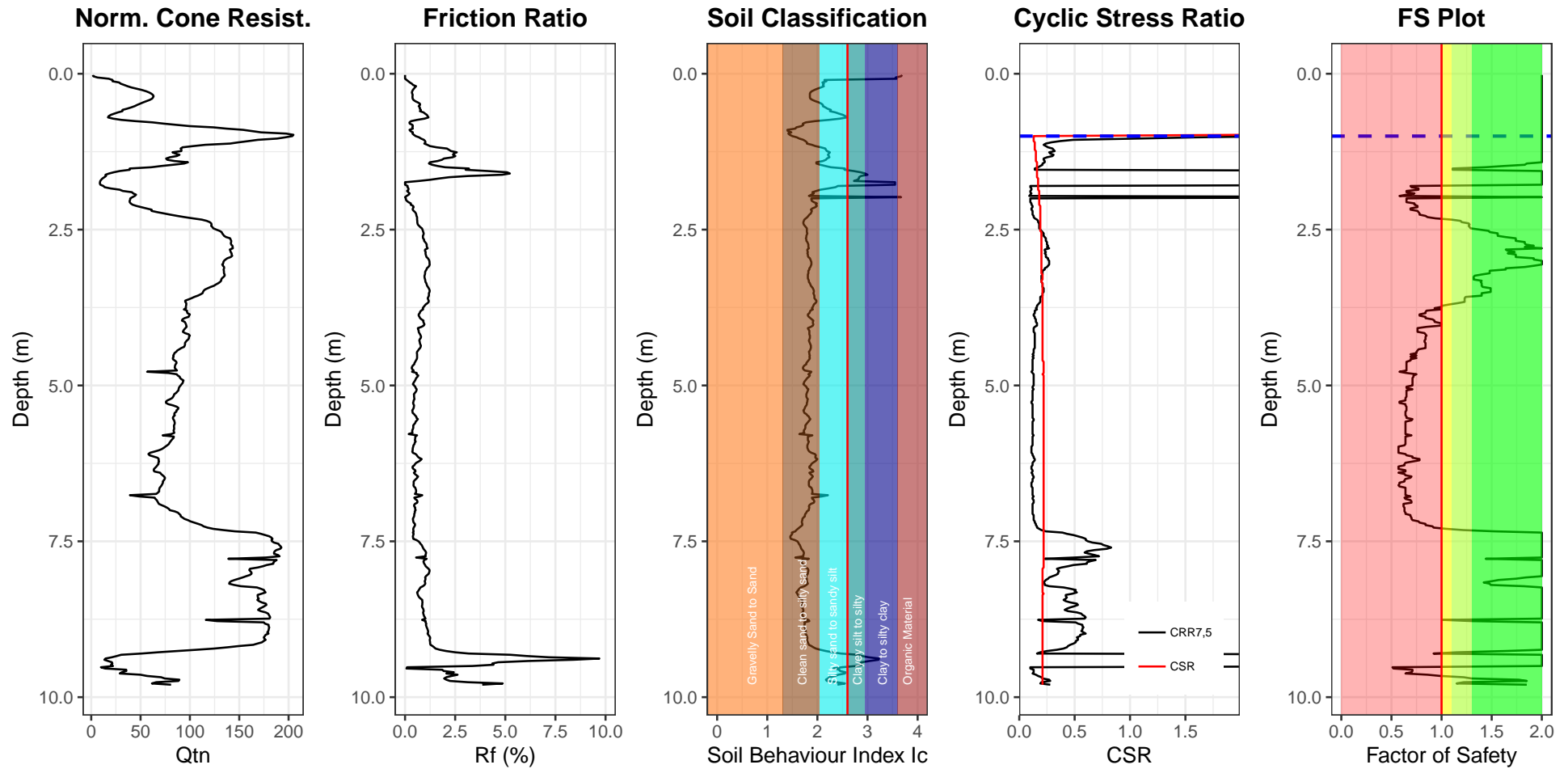
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619050 , 5428166

Raw Data Plots - CPT_128856



CPT_128856



Outputs for CPT_128856:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
109	9	25

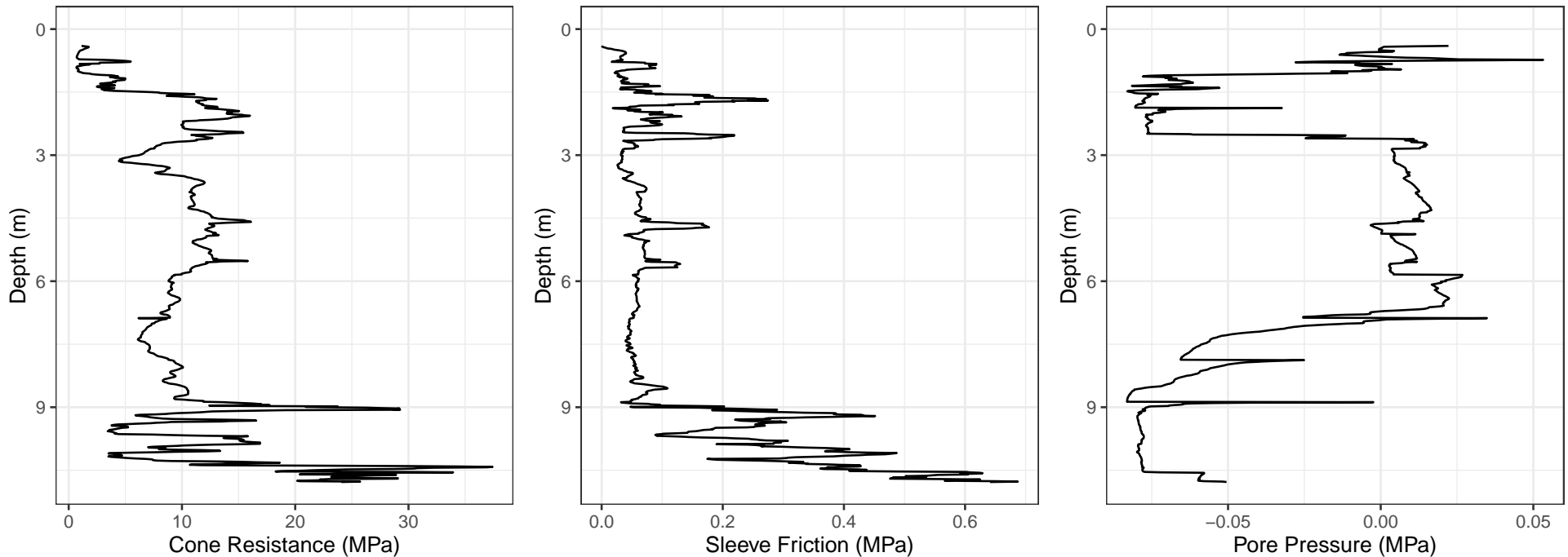
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

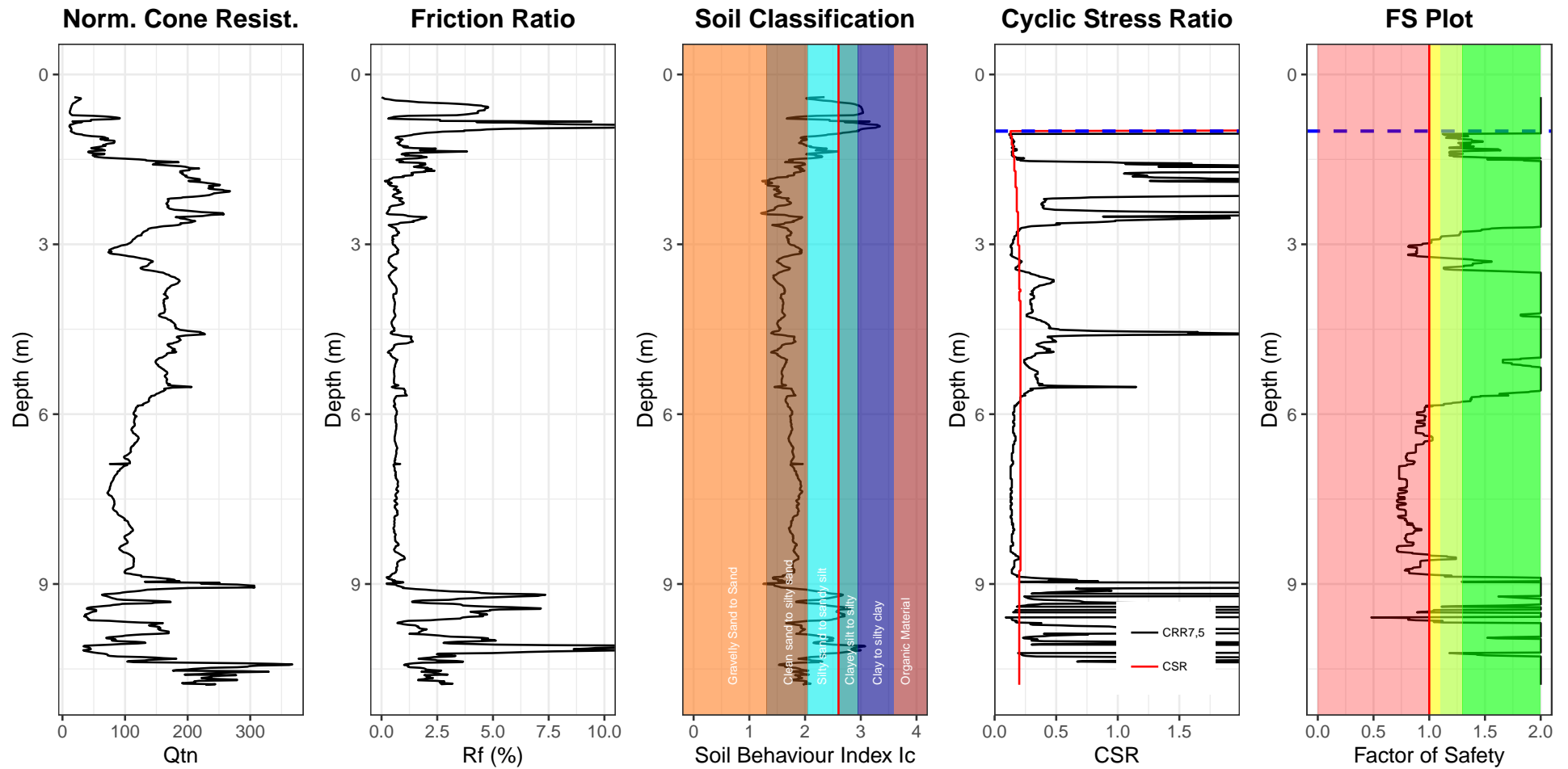
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620339 , 5428959

Raw Data Plots - CPT_134845



CPT_134845



Outputs for CPT_134845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
60	3	10

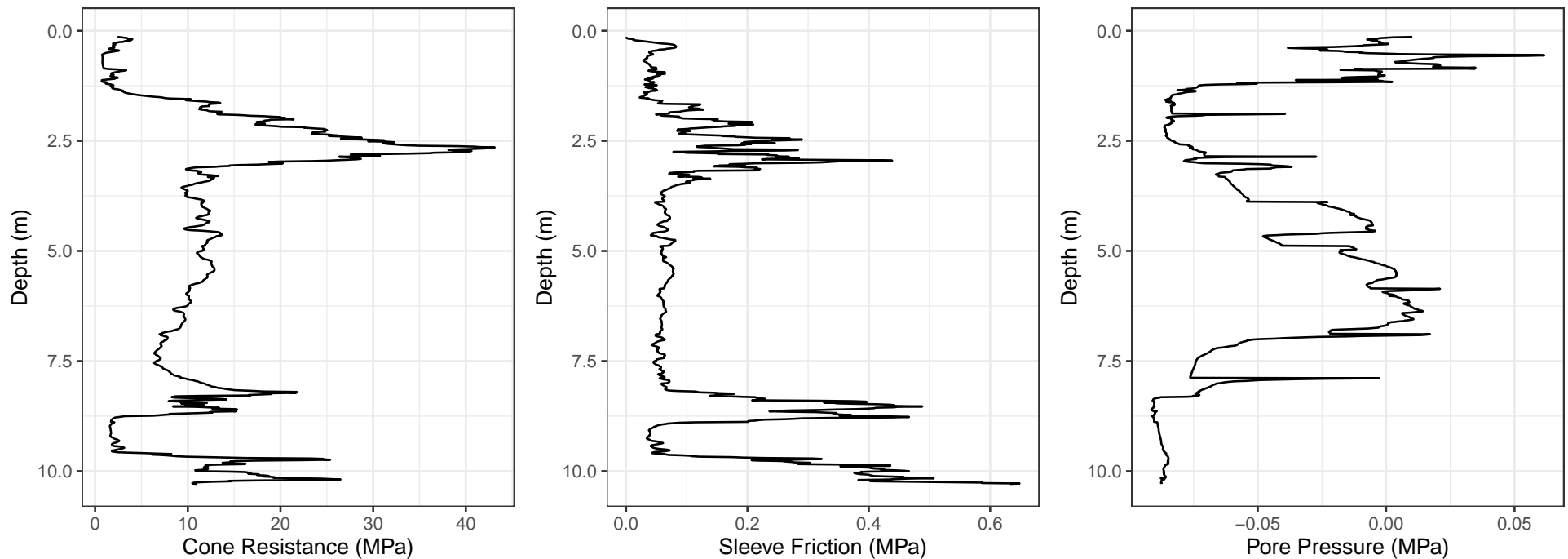
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

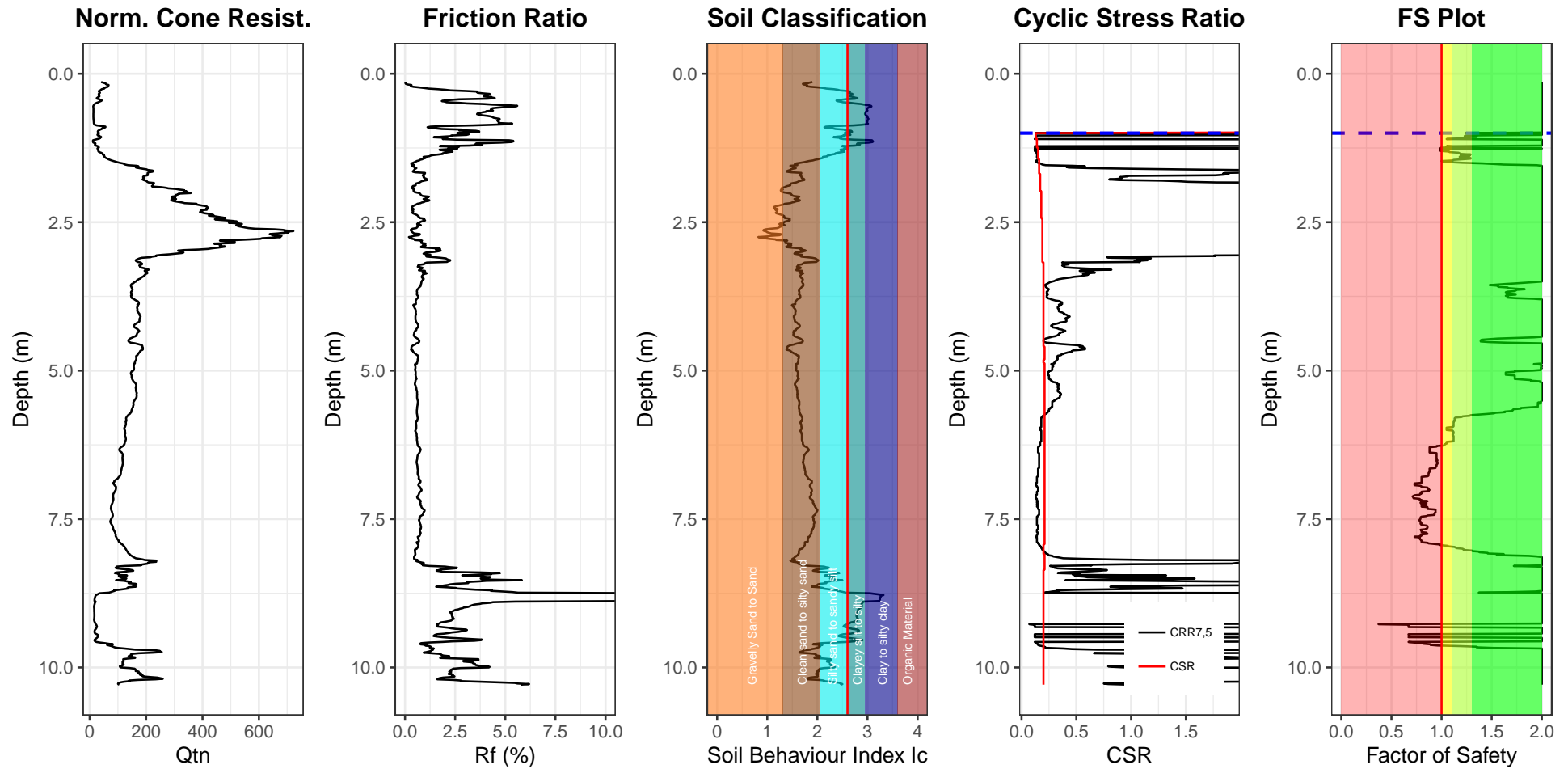
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.14
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620381 , 5428958

Raw Data Plots - CPT_134847



CPT_134847



Outputs for CPT_134847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
38	2	6

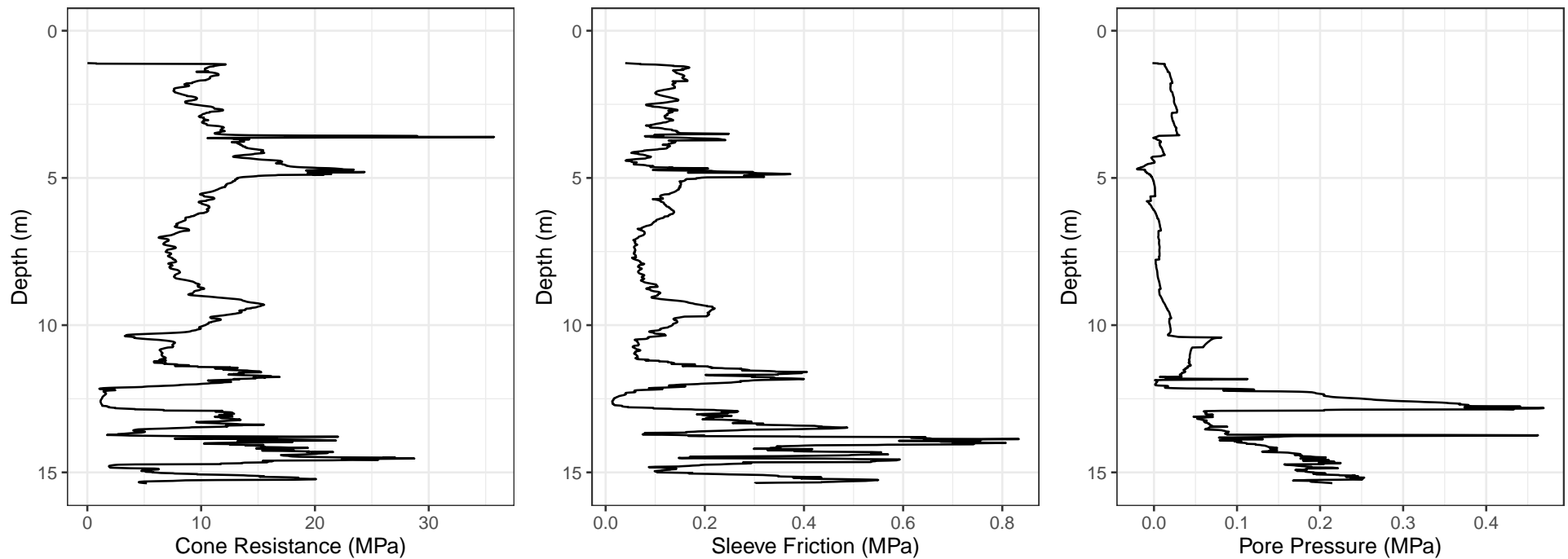
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

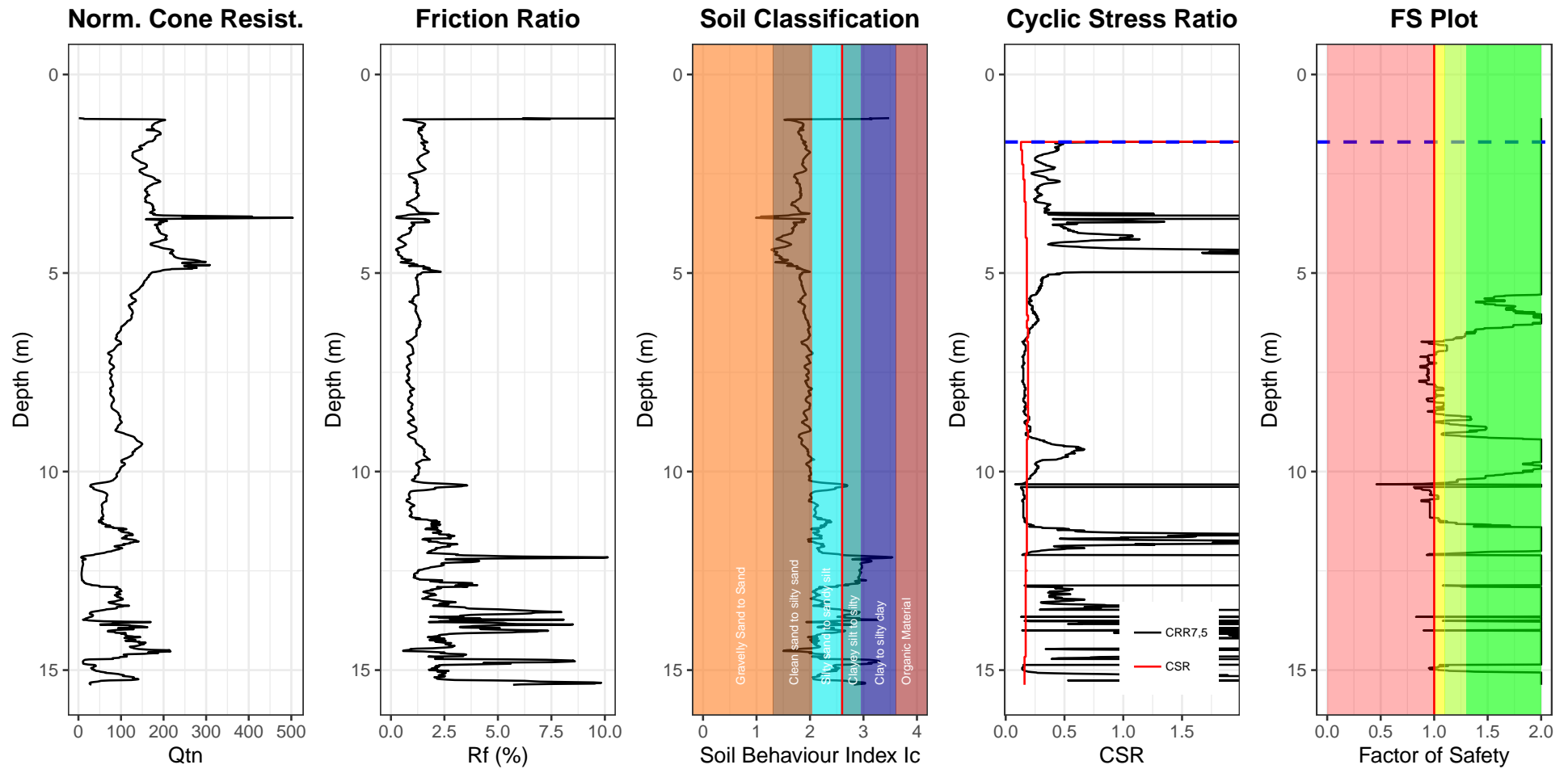
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.7
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619746 , 5428470

Raw Data Plots - CPT_157910



CPT_157910



Outputs for CPT_157910:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
33	1	4

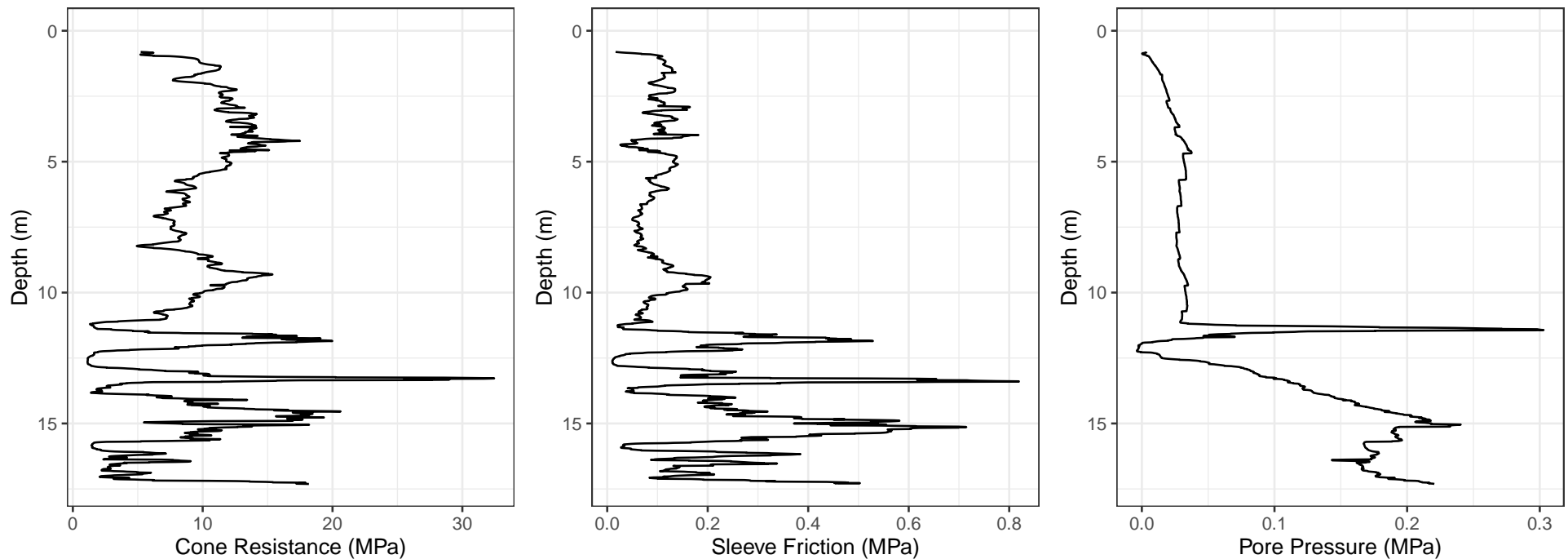
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

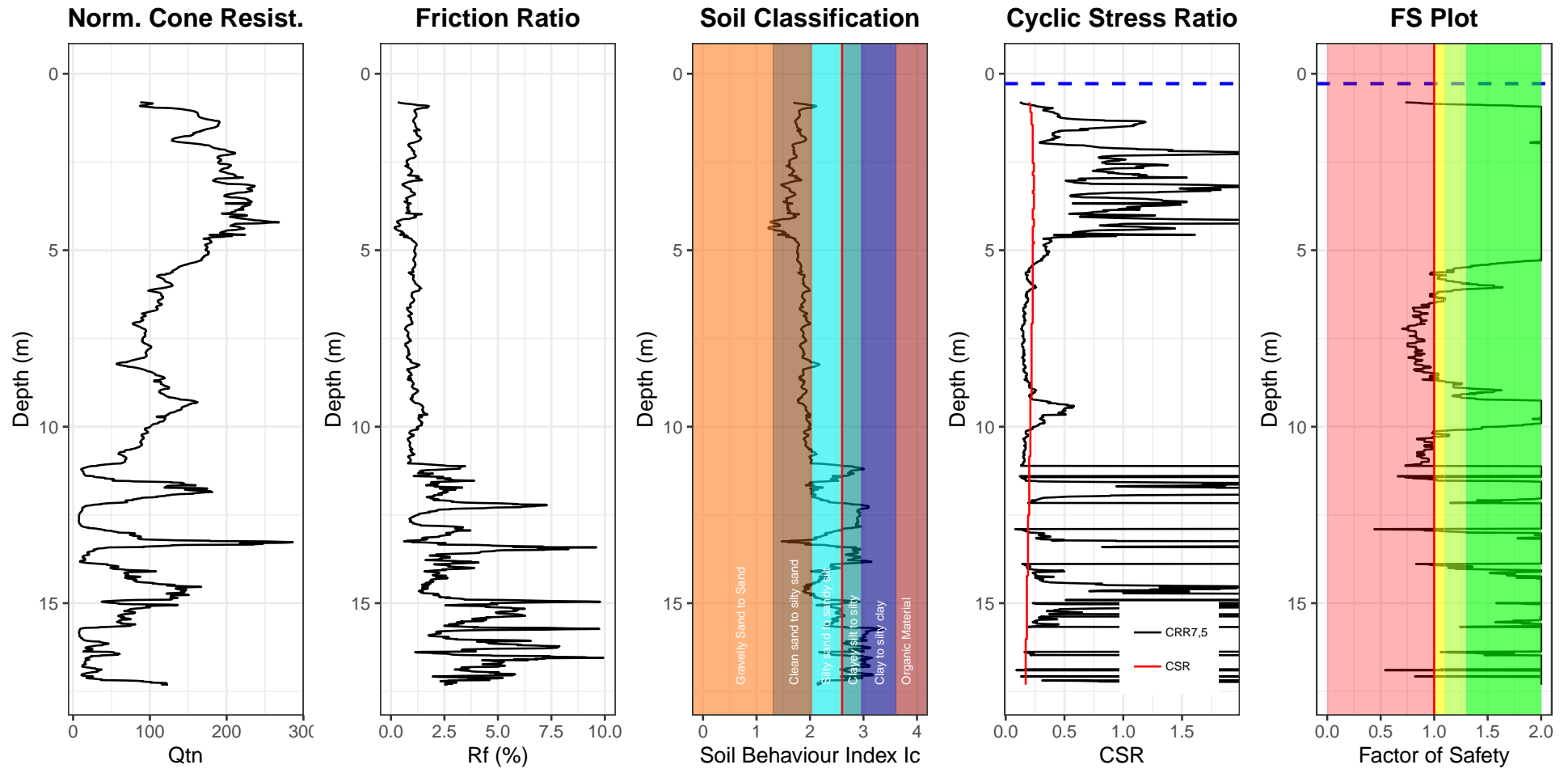
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.28
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.81
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619735 , 5428471

Raw Data Plots - CPT_157911



CPT_157911



Outputs for CPT_157911:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
58	3	8

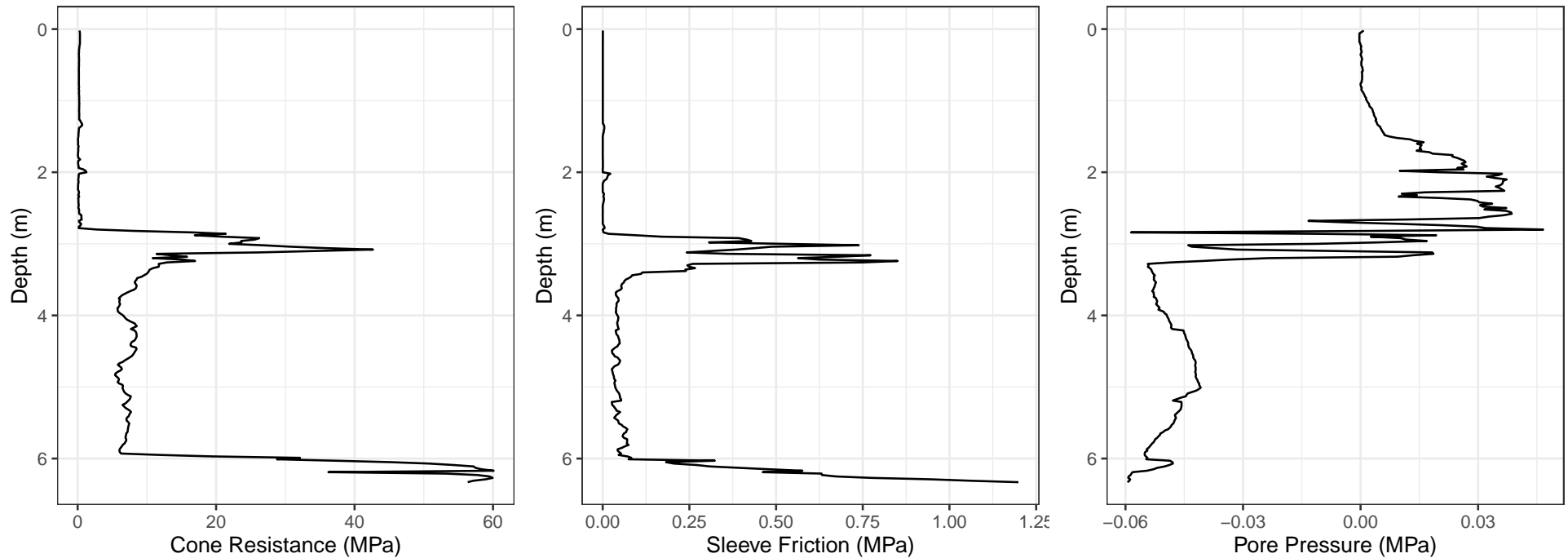
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

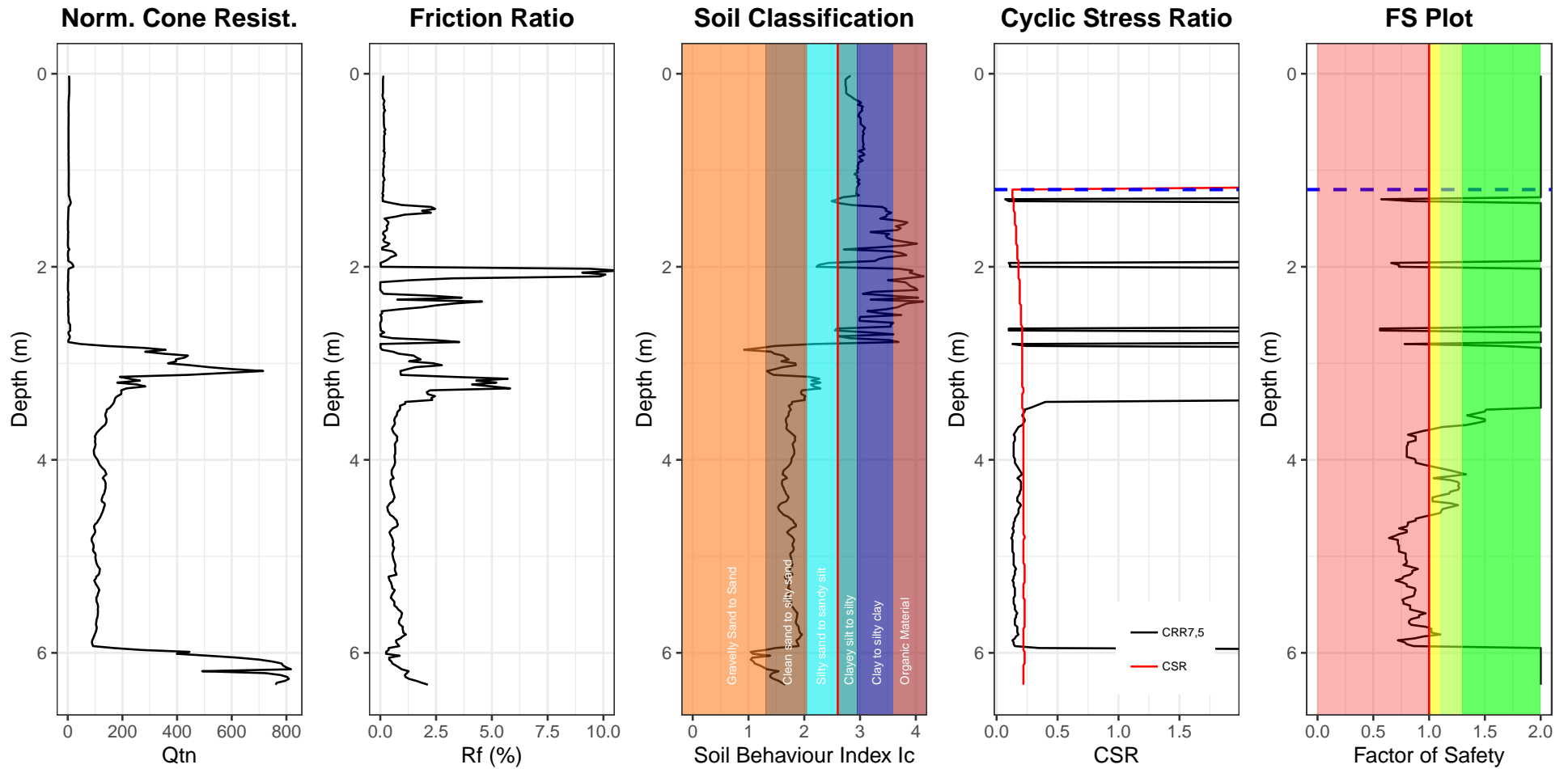
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620613 , 5429471

Raw Data Plots - CPT_160186



CPT_160186



Outputs for CPT_160186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
41	3	12

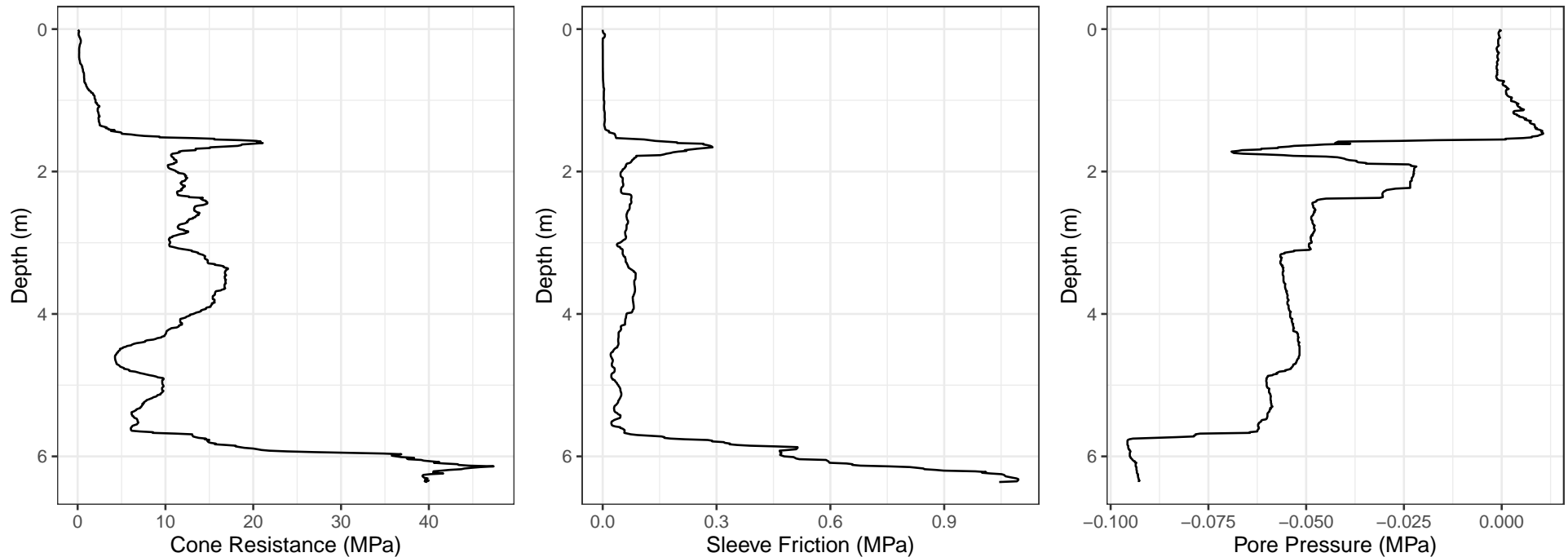
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

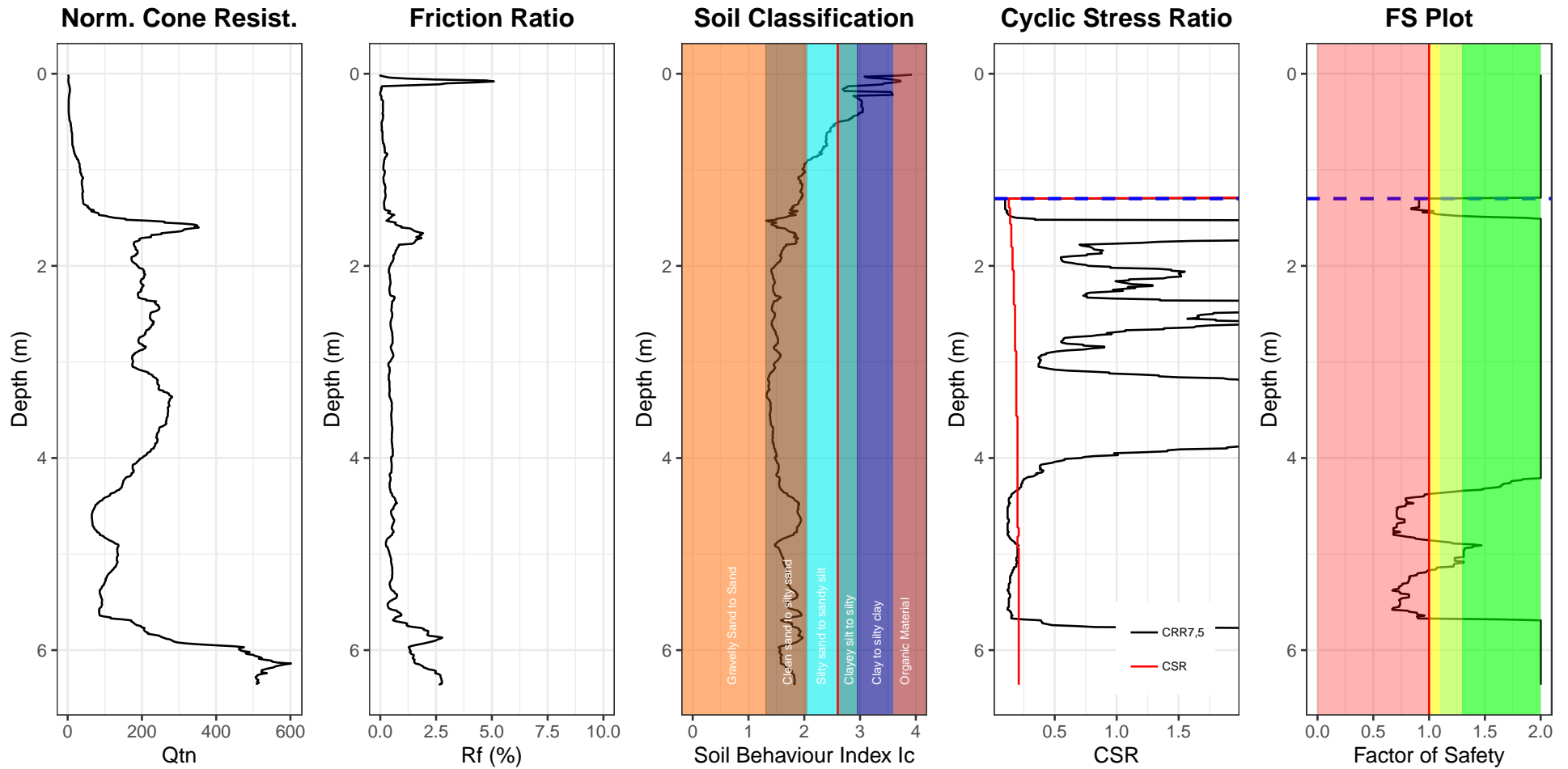
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620783 , 5429841

Raw Data Plots - CPT_170171



CPT_170171



Outputs for CPT_170171:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
27	2	8

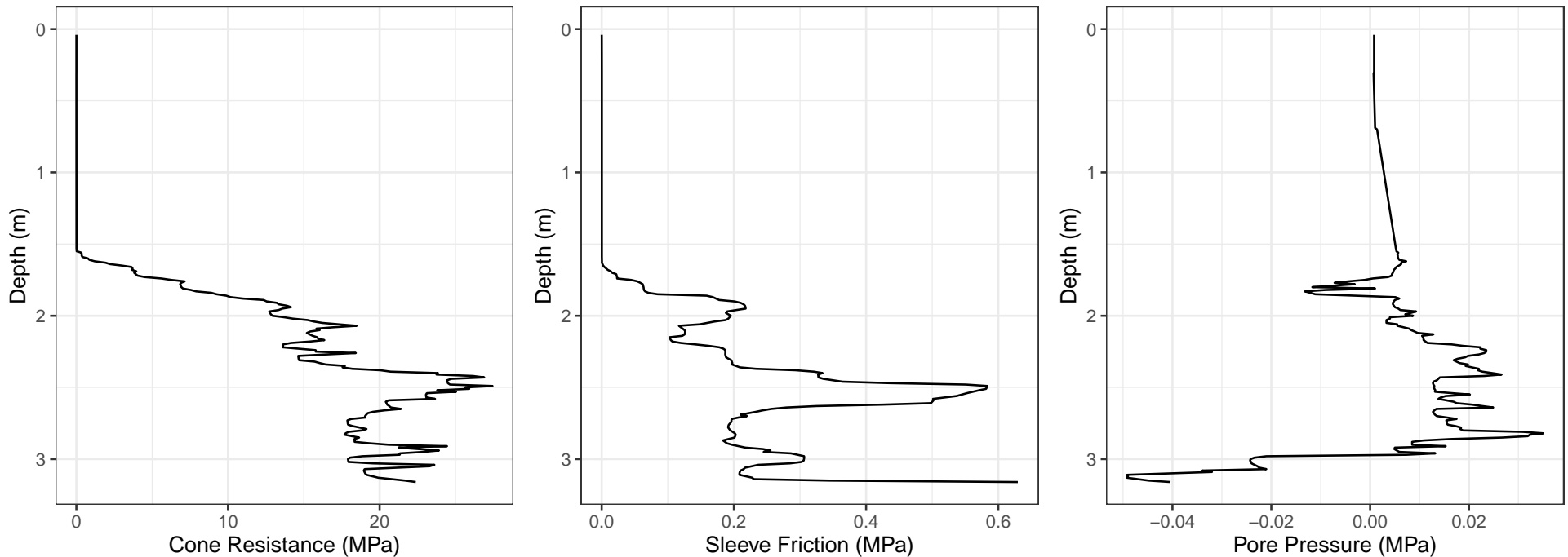
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

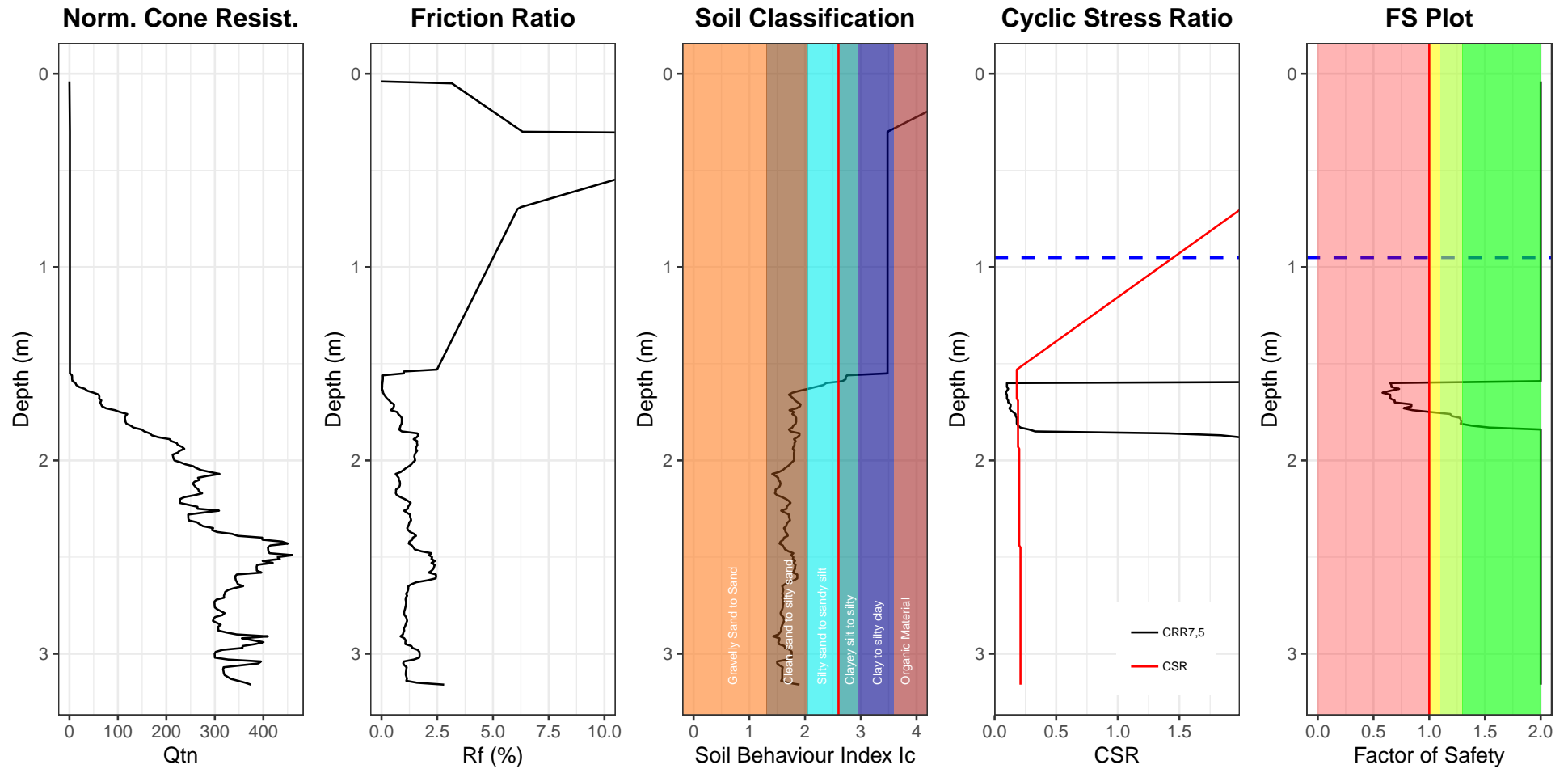
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.04
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170172



CPT_170172



Outputs for CPT_170172:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
5	0	3

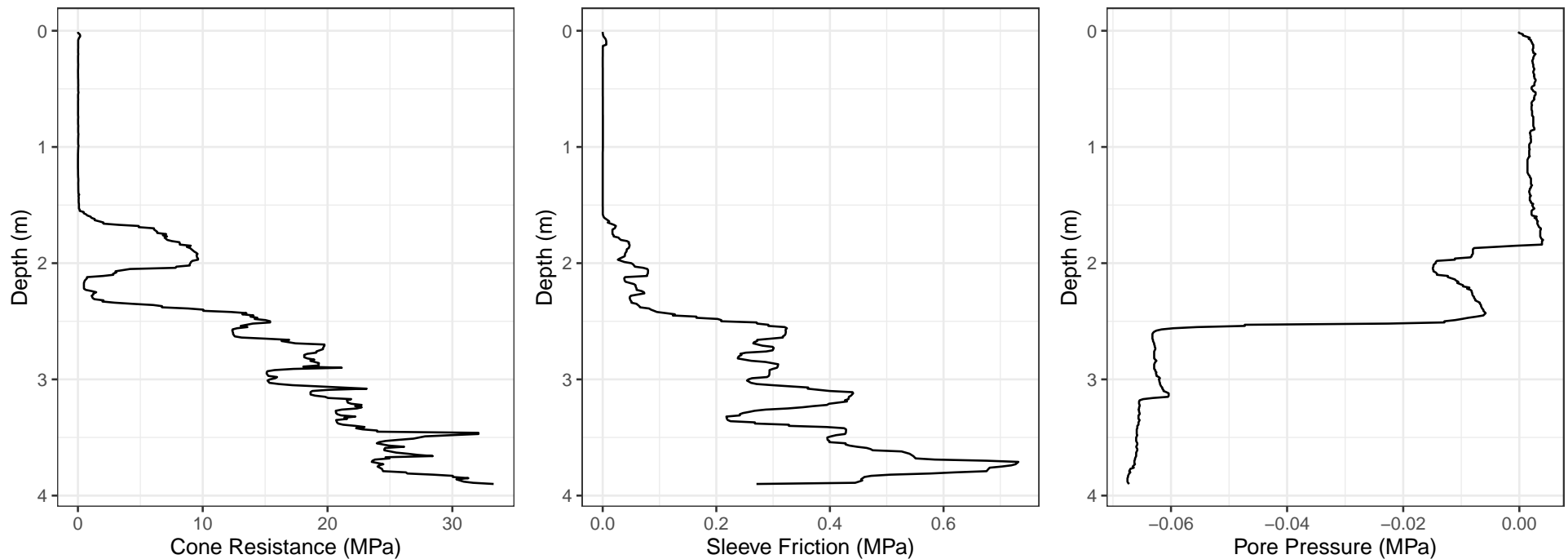
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

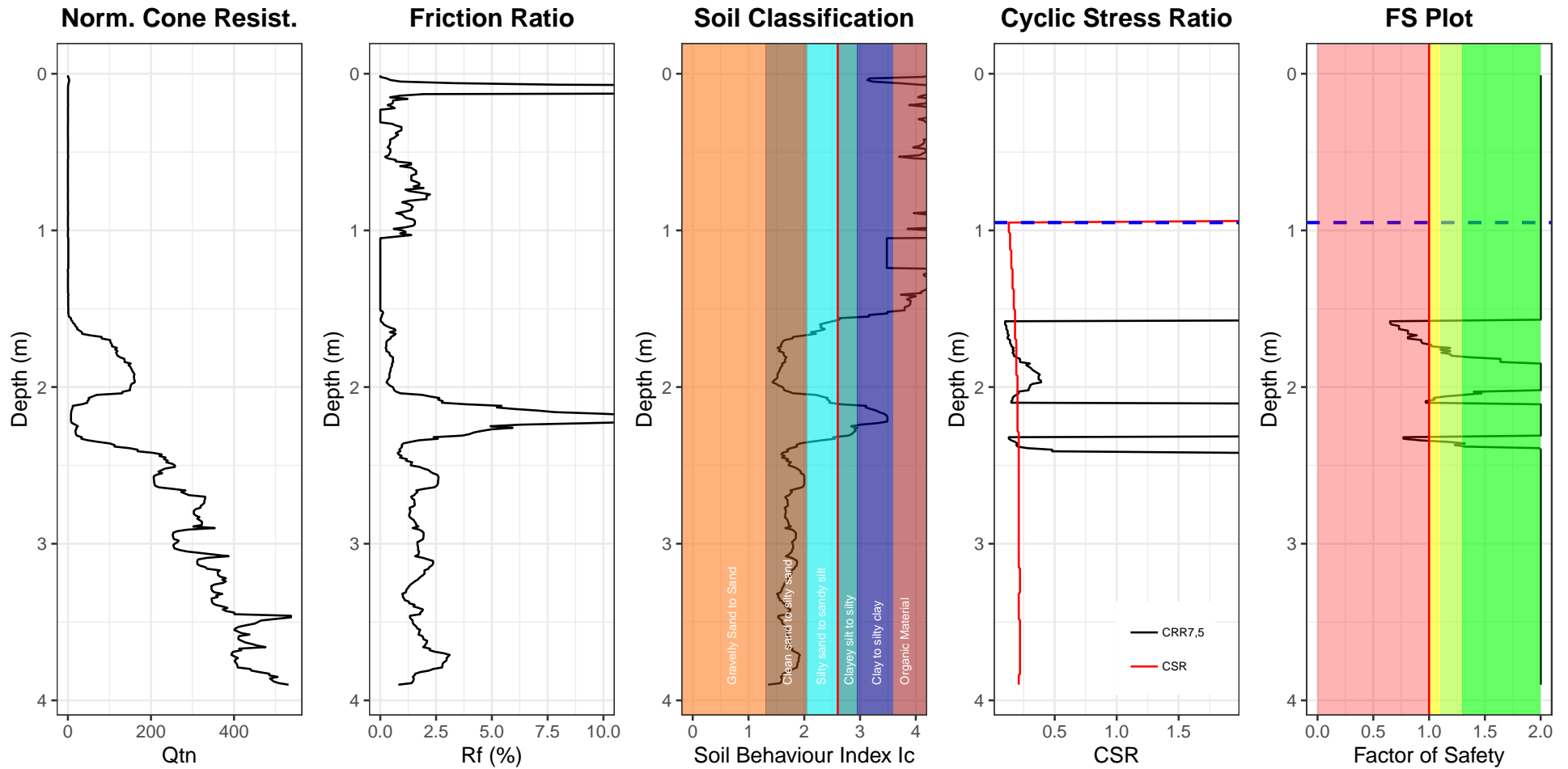
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170174



CPT_170174



Outputs for CPT_170174:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
5	0	3

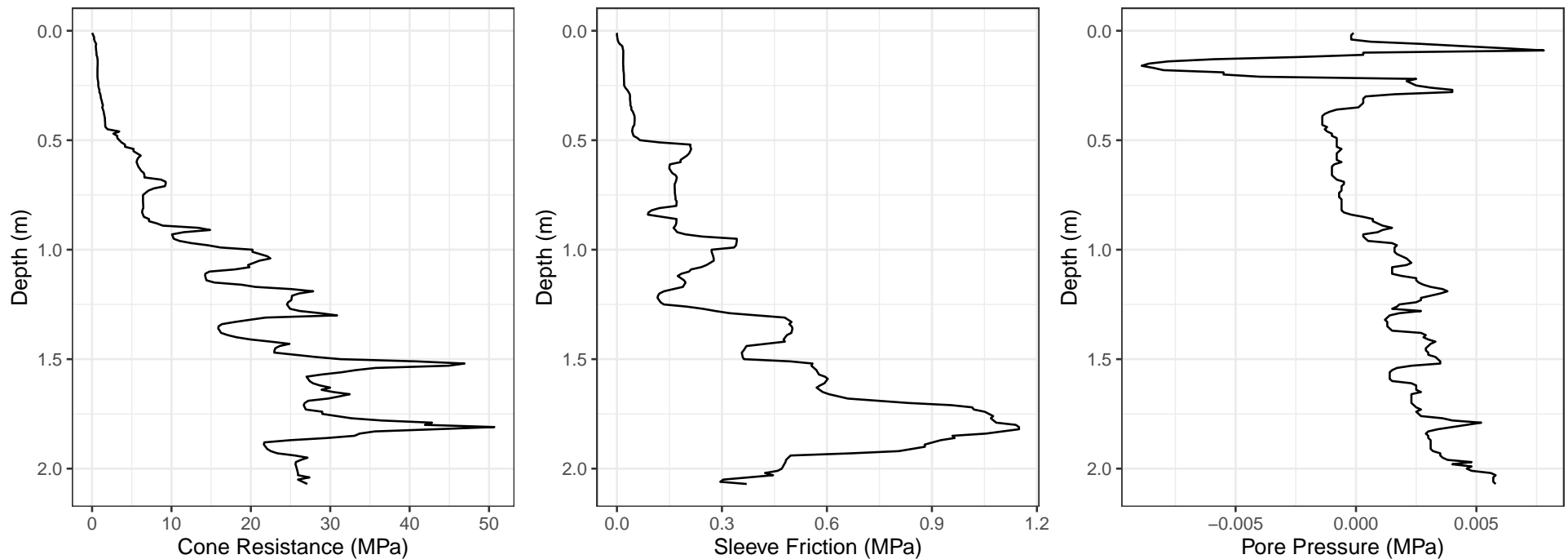
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

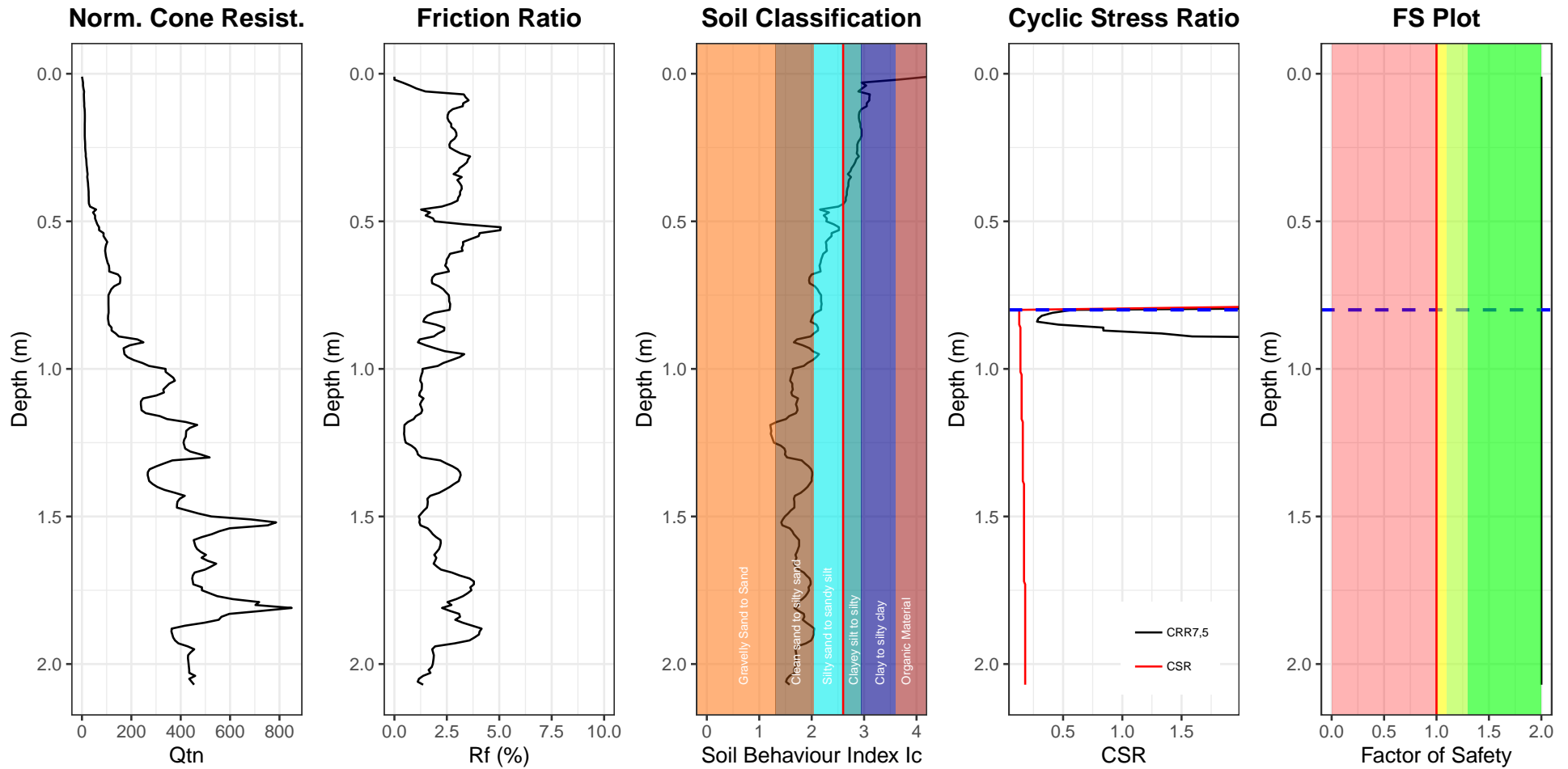
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620619 , 5429650

Raw Data Plots - CPT_170175



CPT_170175



Outputs for CPT_170175:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

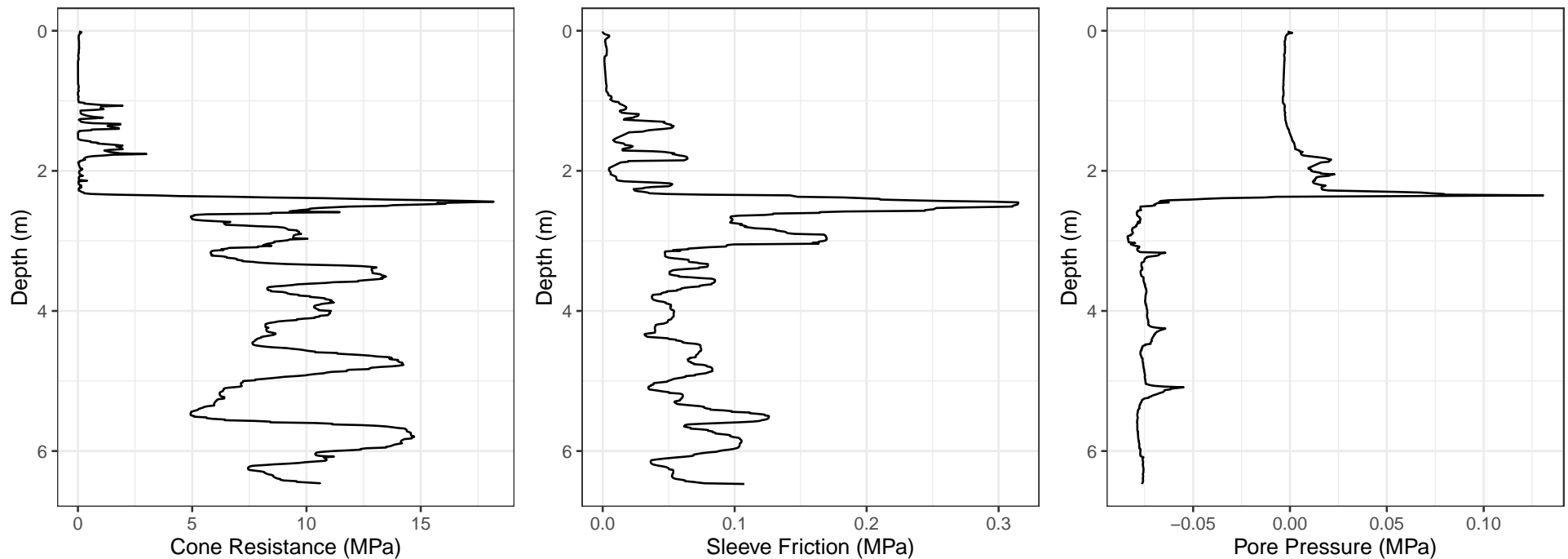
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

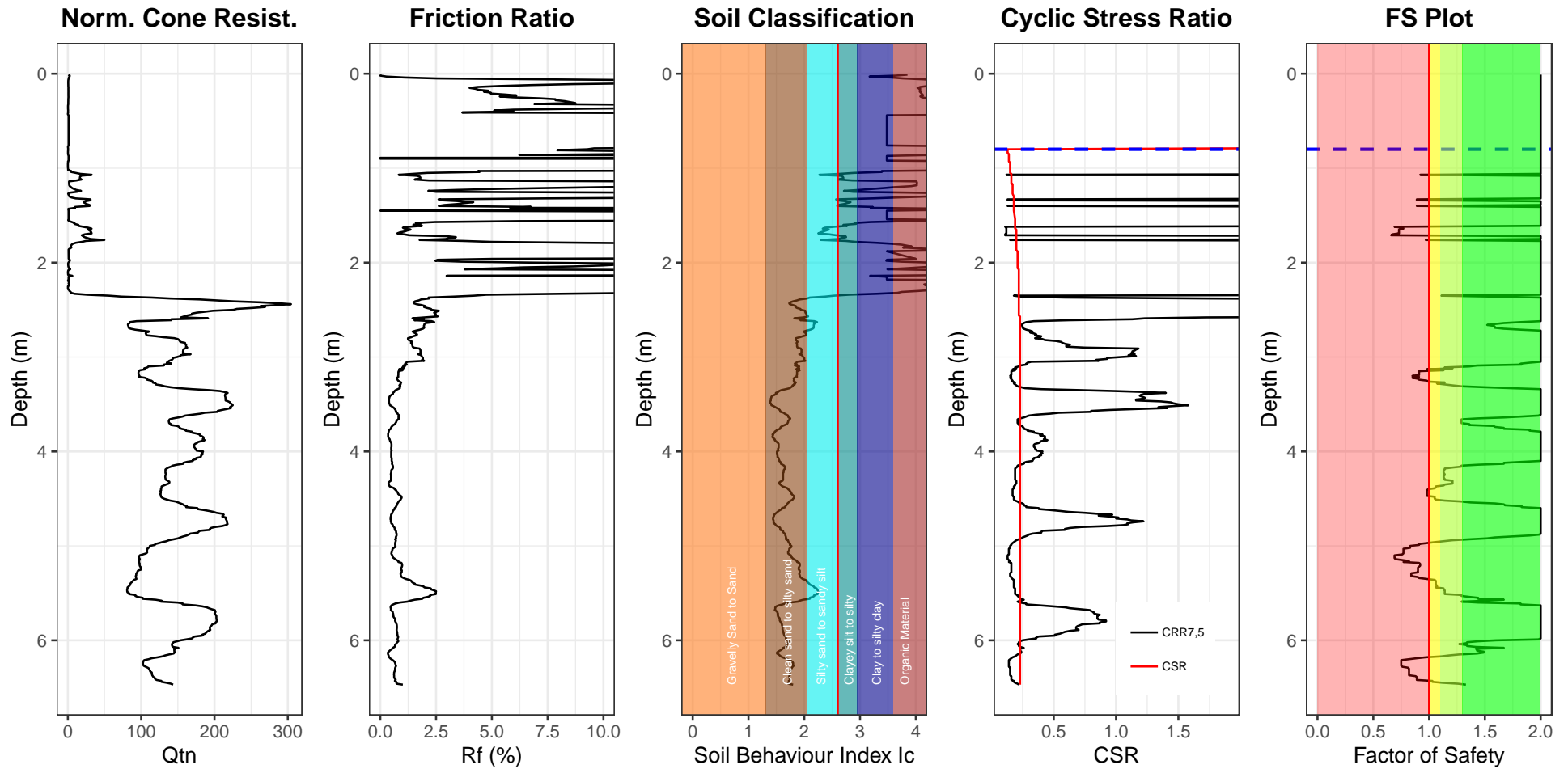
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429650

Raw Data Plots - CPT_170176



CPT_170176



Outputs for CPT_170176:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
20	1	6

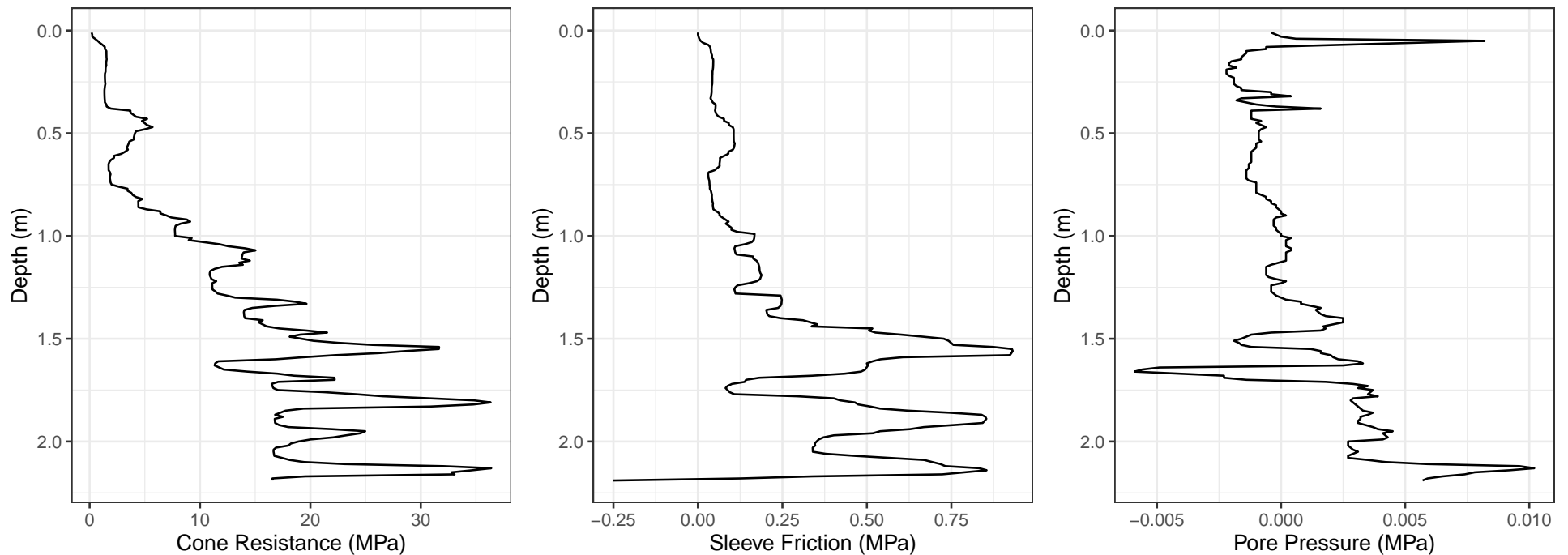
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

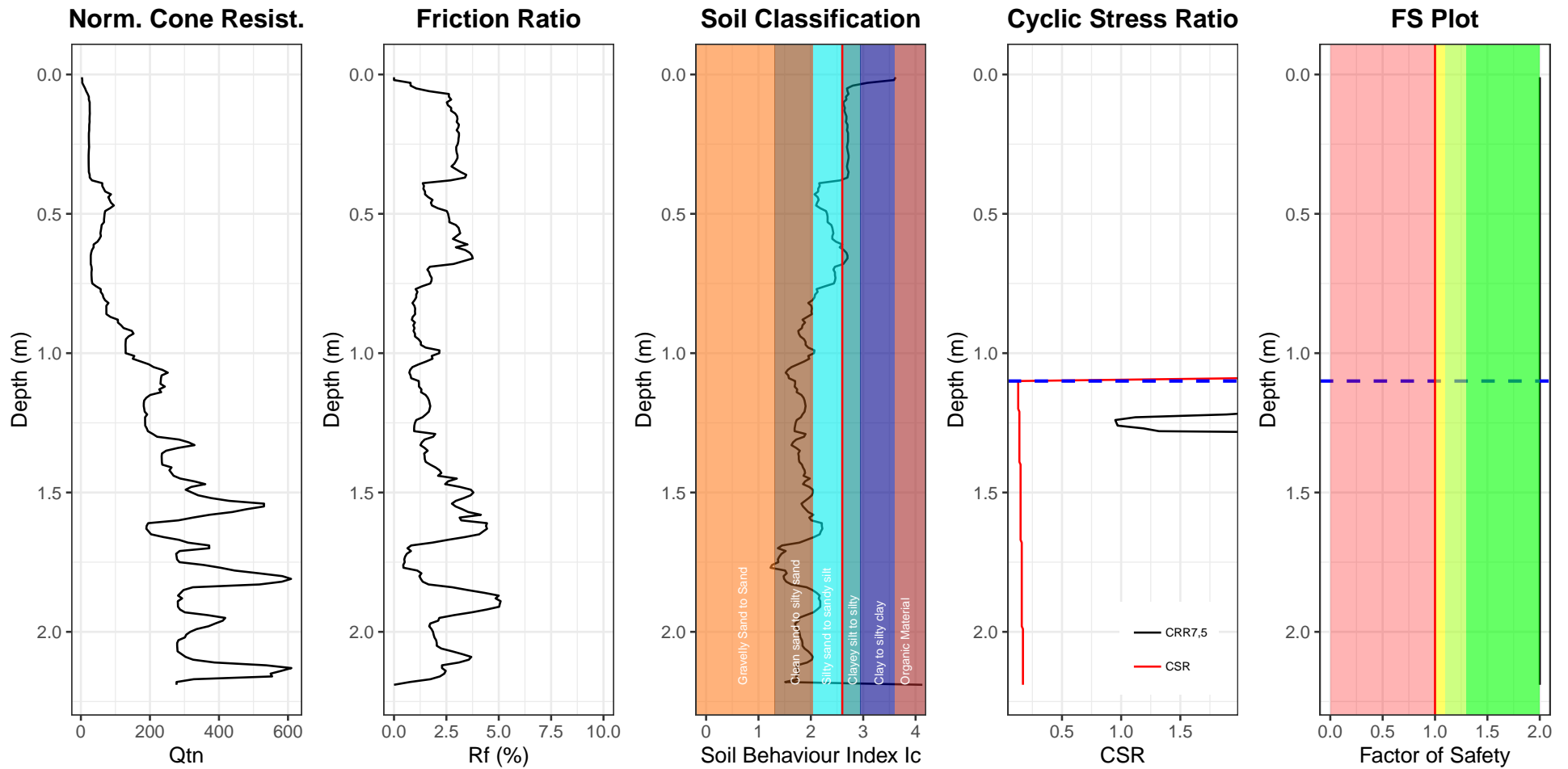
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170177



CPT_170177



Outputs for CPT_170177:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

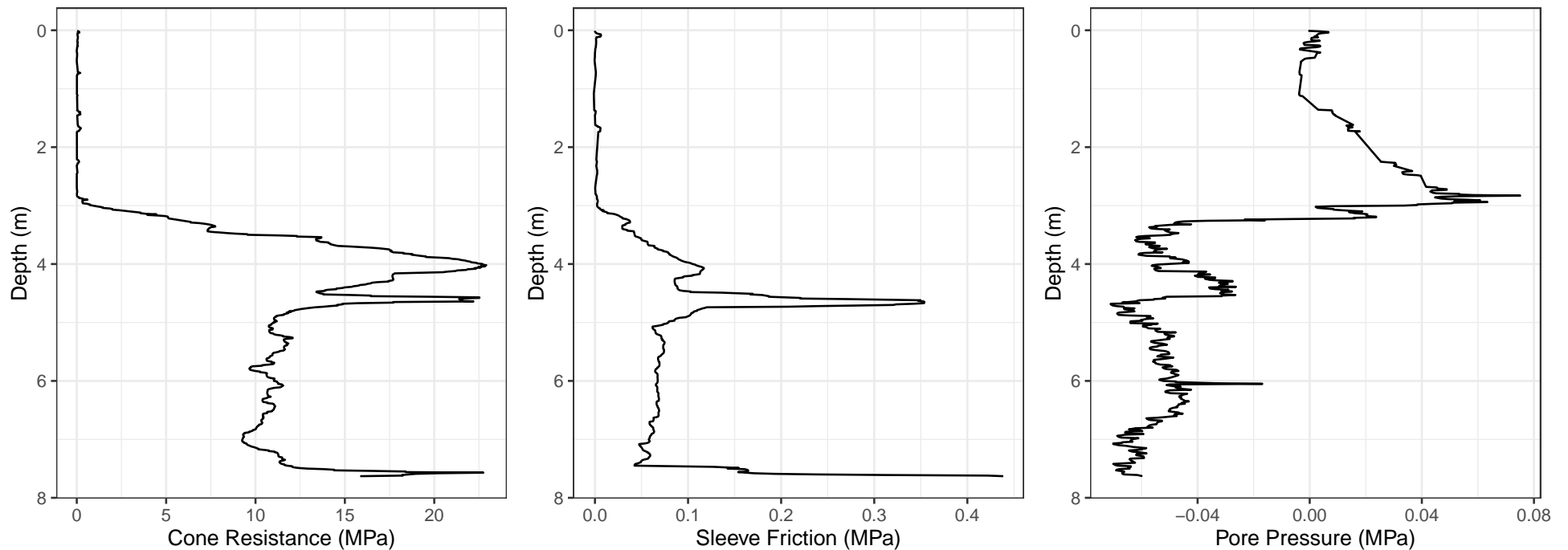
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

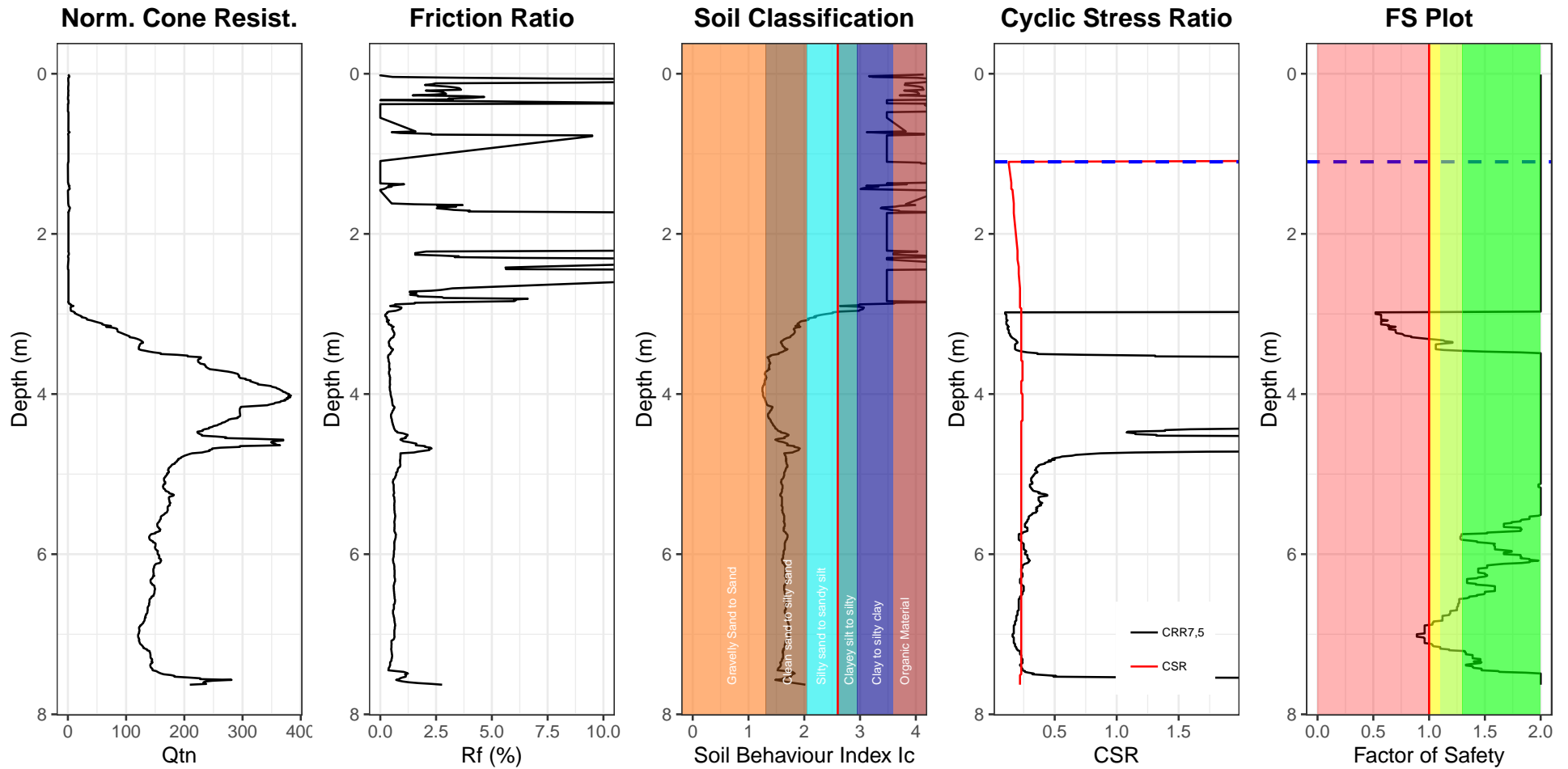
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170178



CPT_170178



Outputs for CPT_170178:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
14	1	4

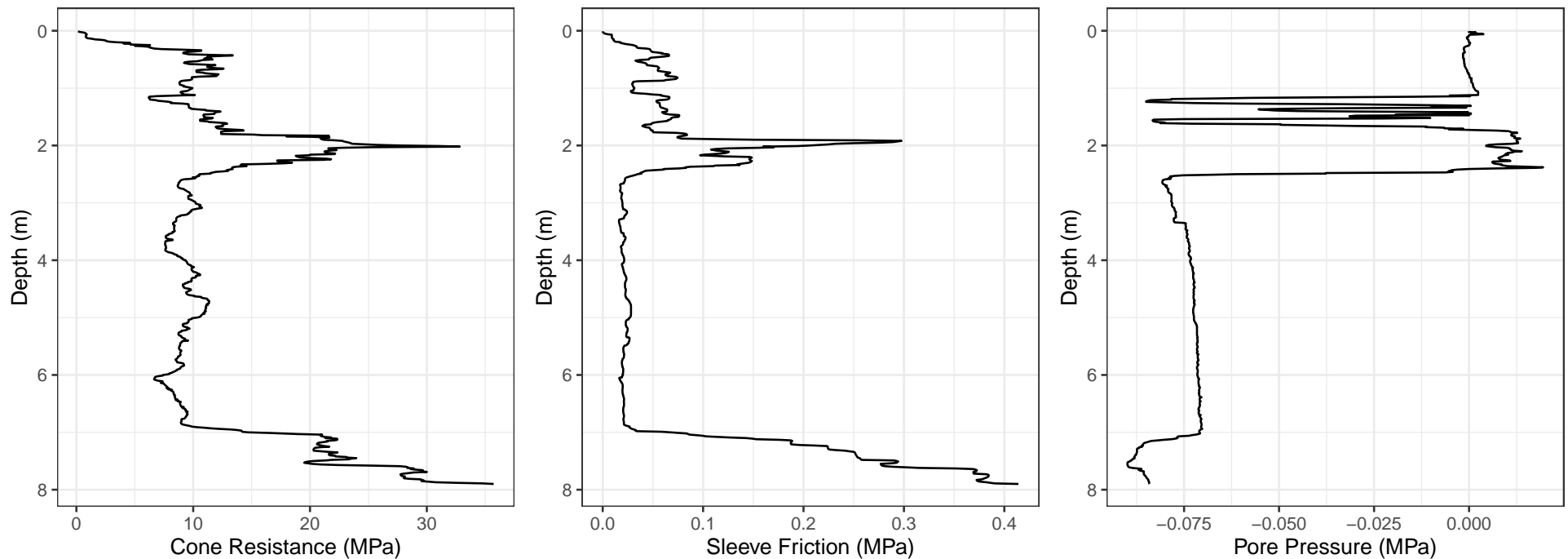
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

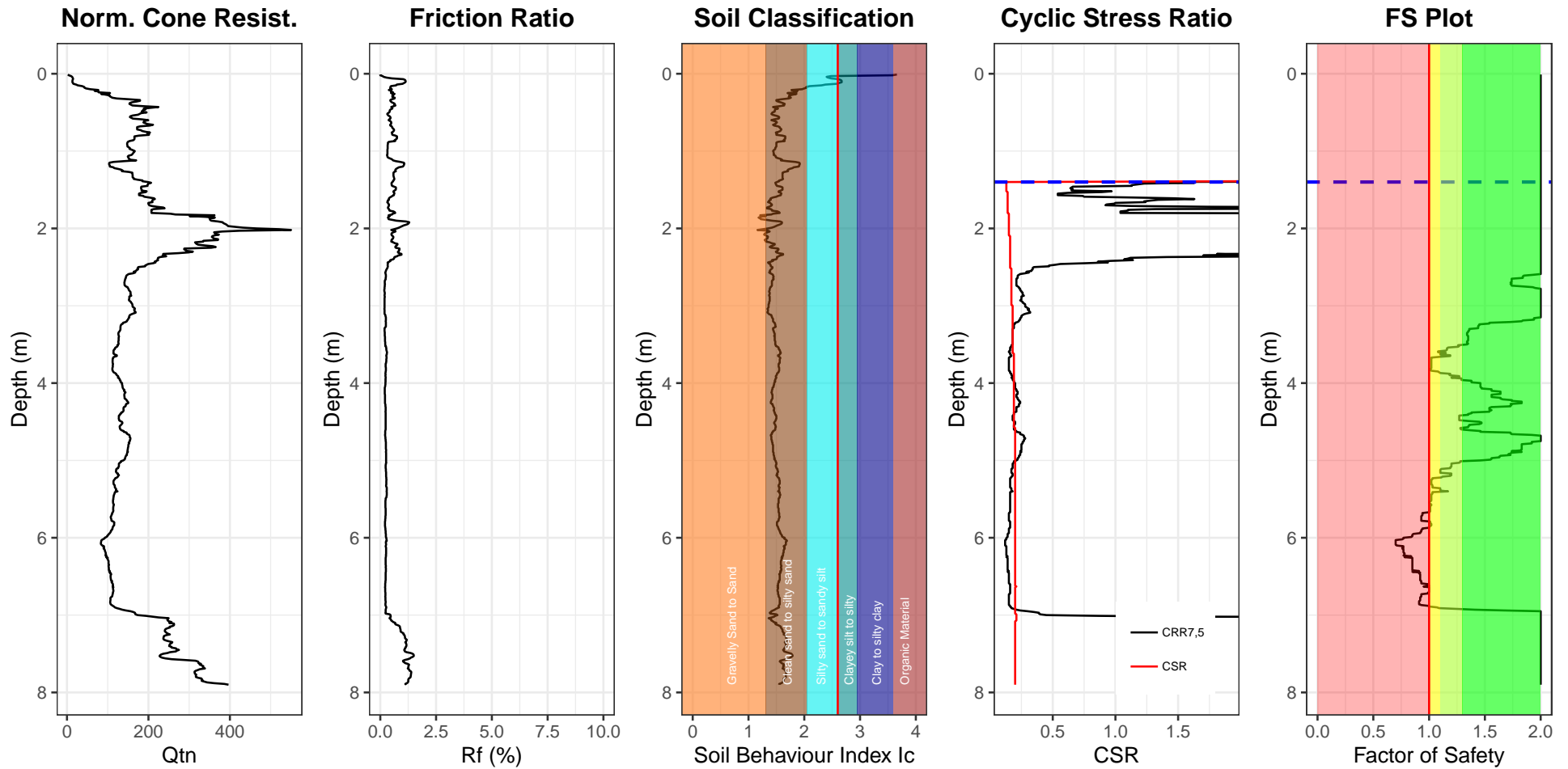
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.4
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620499 , 5429424

Raw Data Plots - CPT_170179



CPT_170179



Outputs for CPT_170179:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
27	1	5

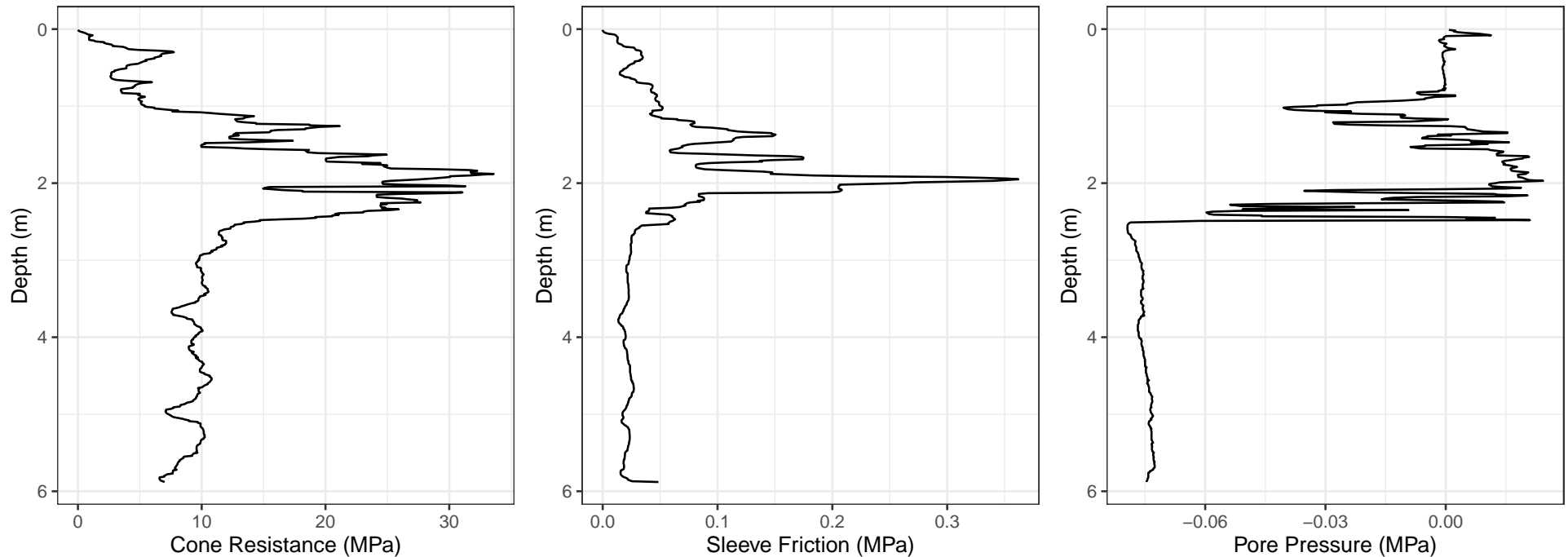
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

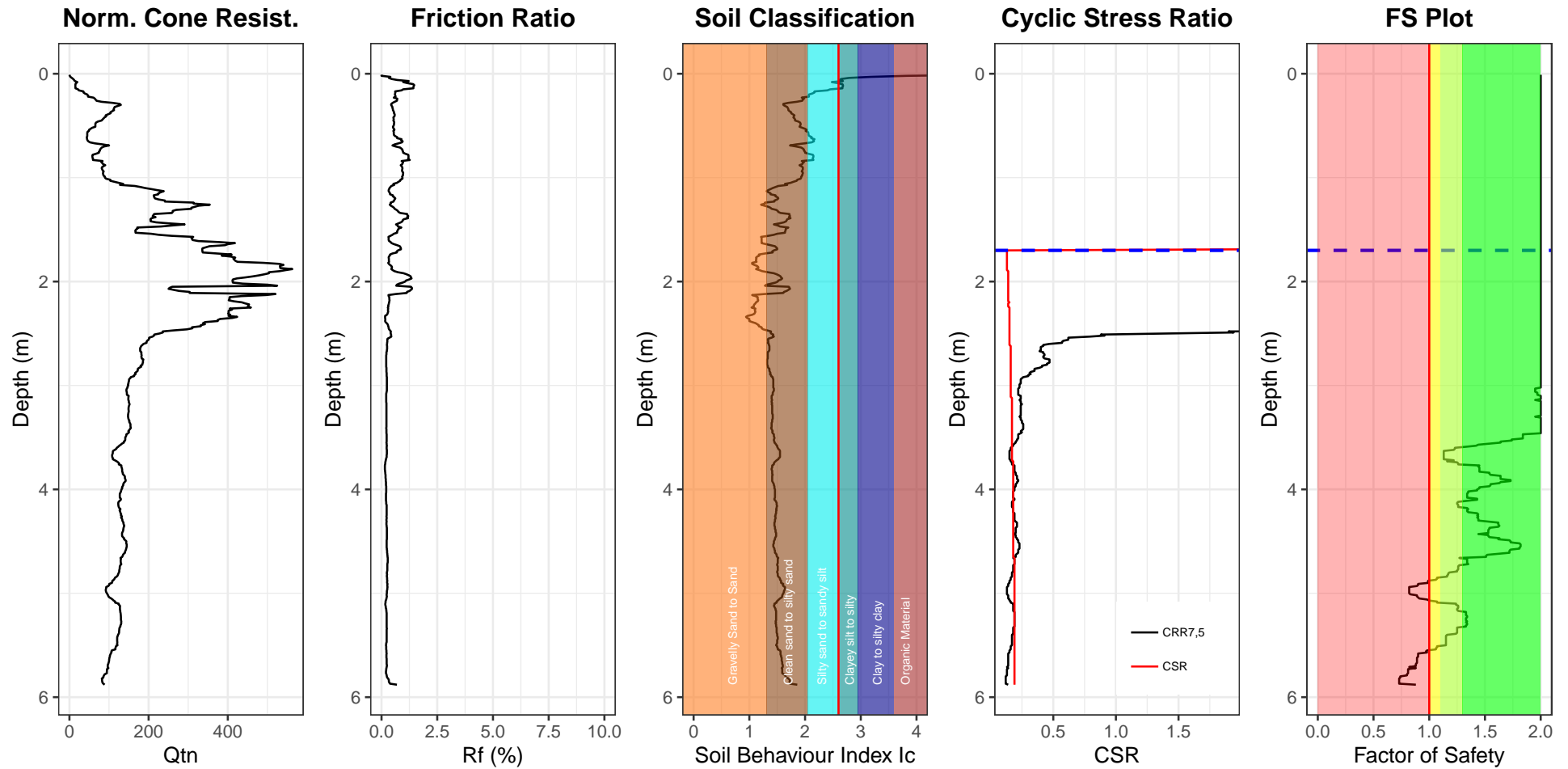
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.7
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620557 , 5429424

Raw Data Plots - CPT_170180



CPT_170180



Outputs for CPT_170180:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
13	1	3

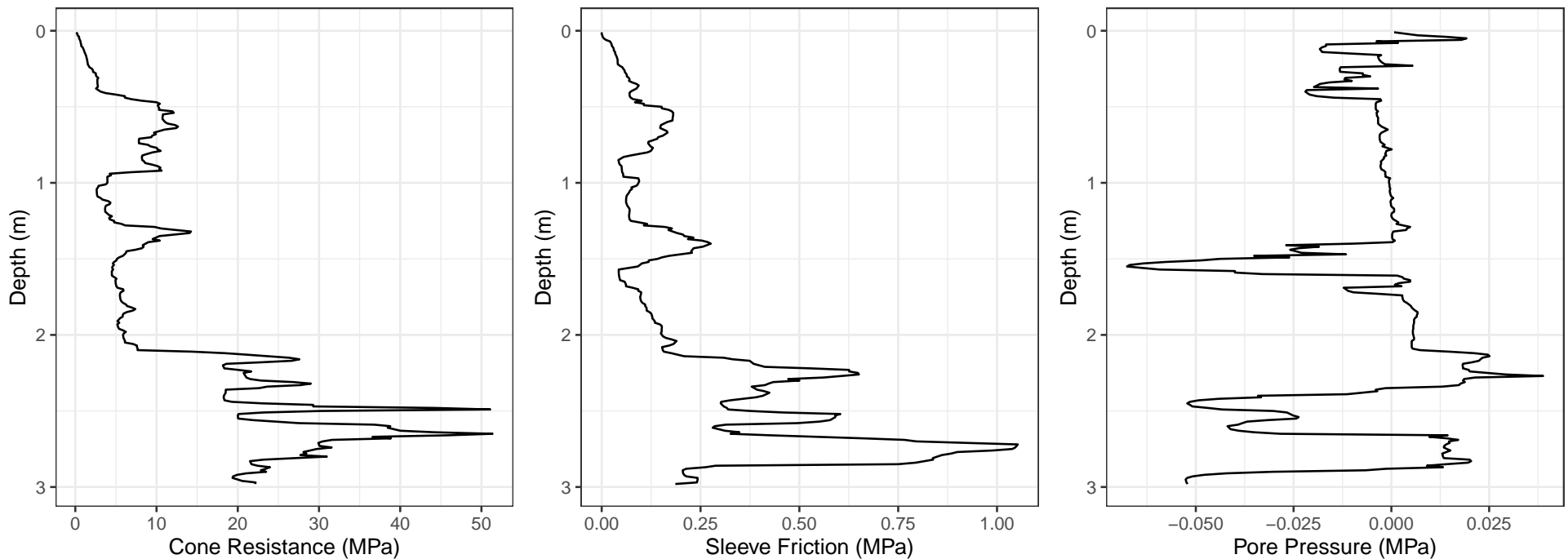
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

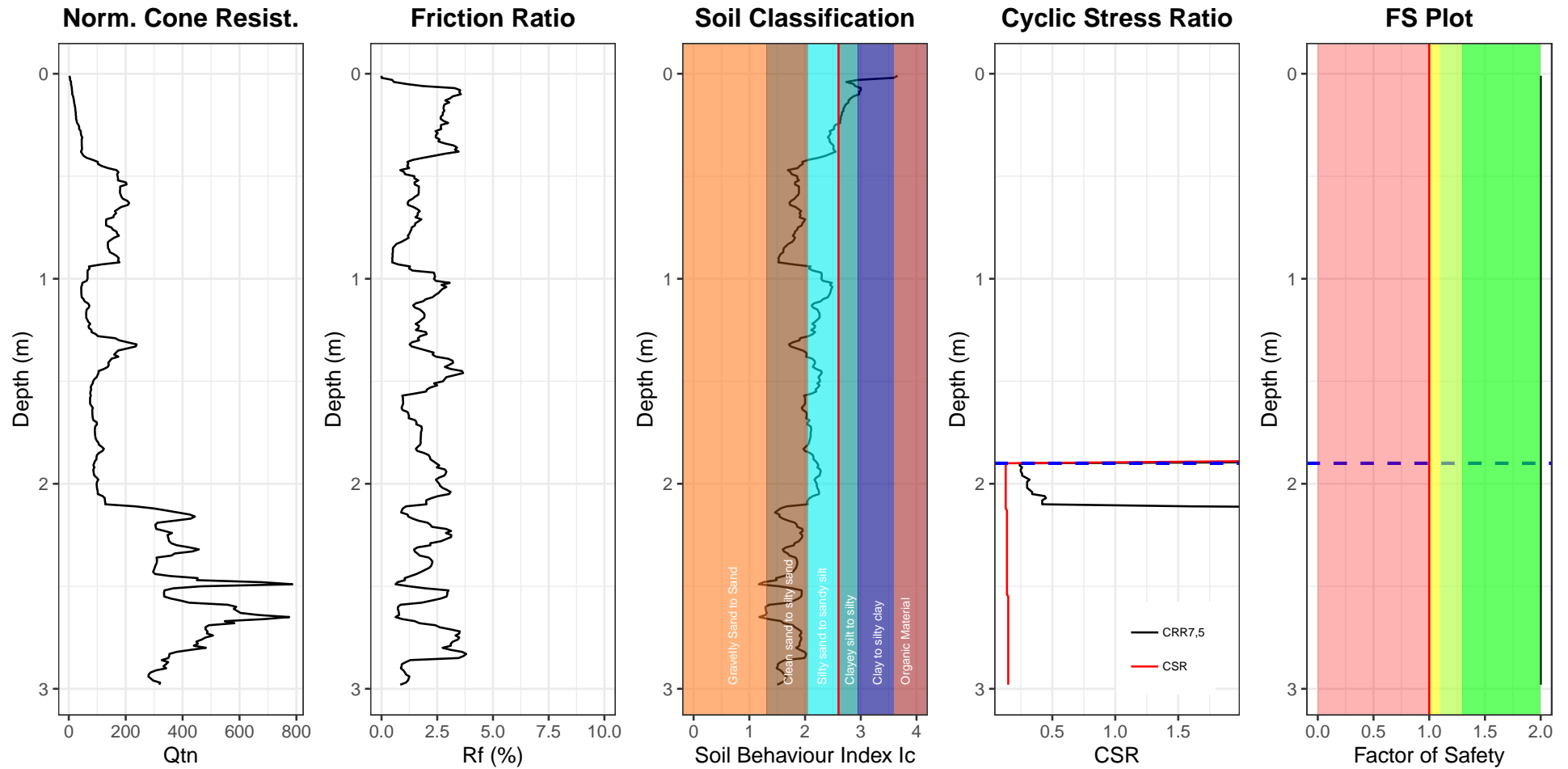
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.9
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620627 , 5429455

Raw Data Plots - CPT_170181



CPT_170181



Outputs for CPT_170181:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

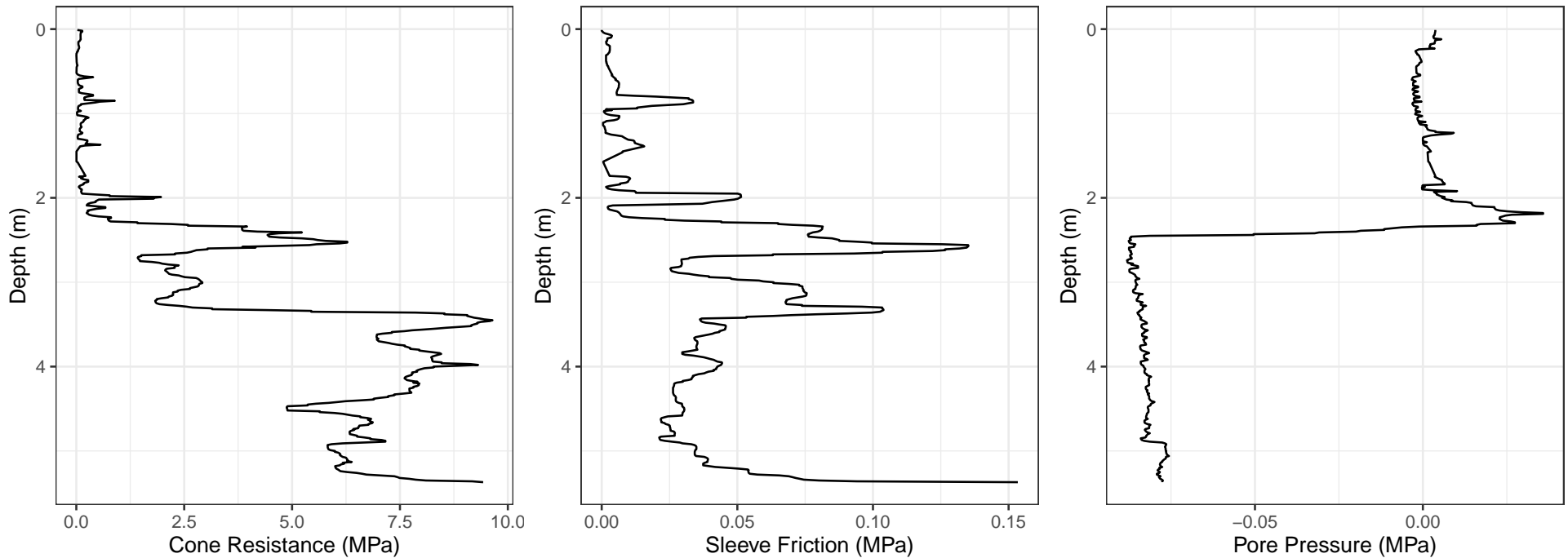
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

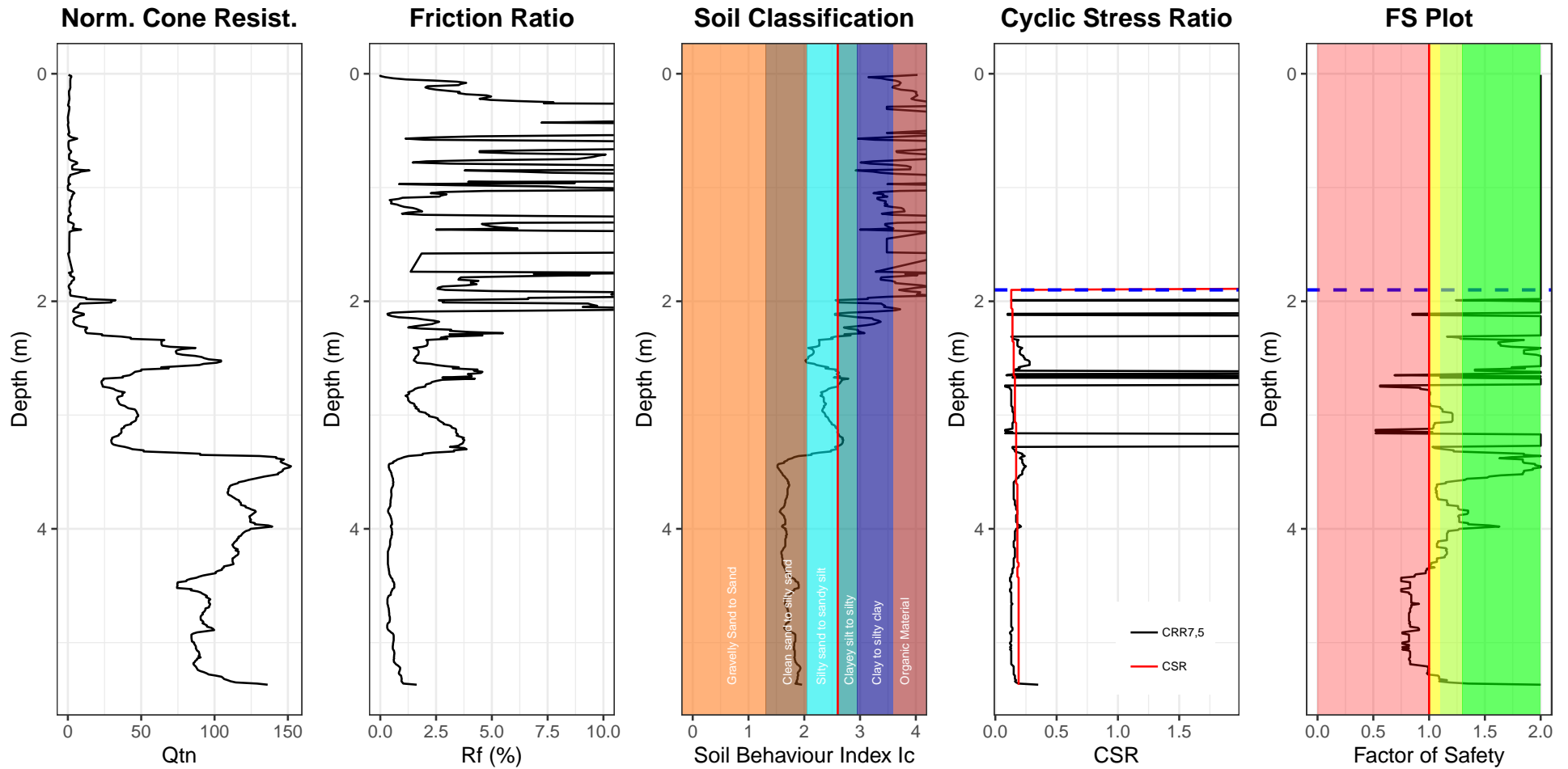
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.9
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620627 , 5429455

Raw Data Plots - CPT_170182



CPT_170182



Outputs for CPT_170182:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
31	1	8

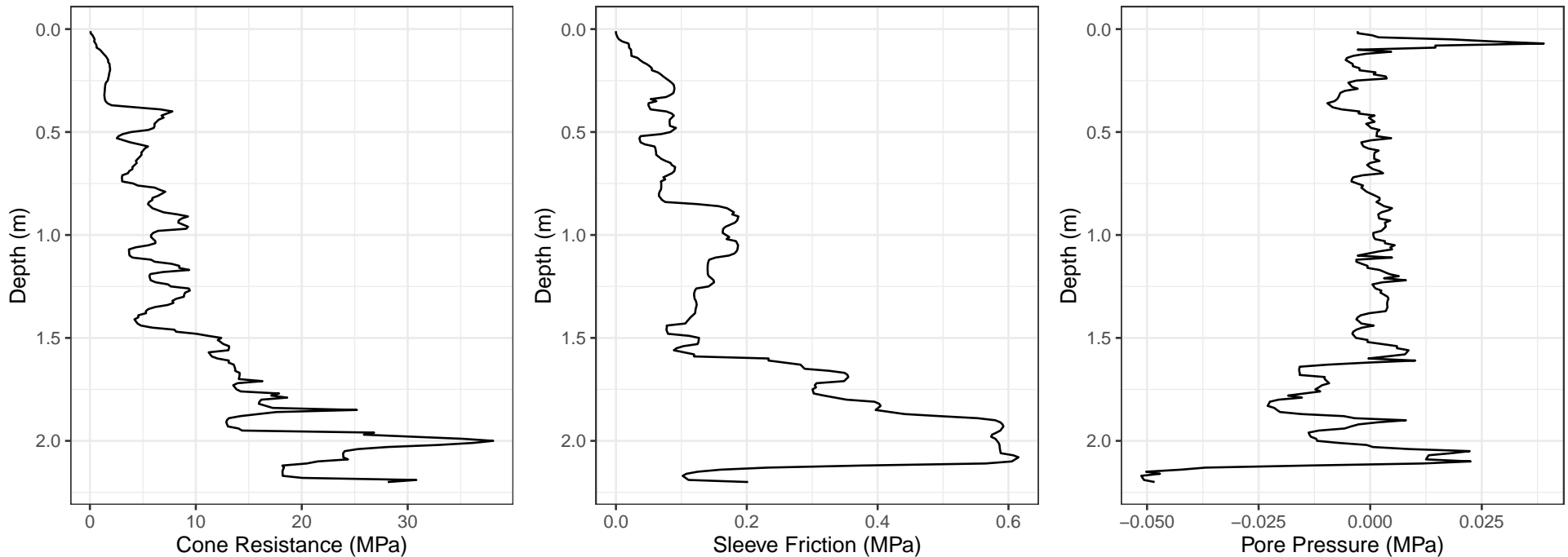
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

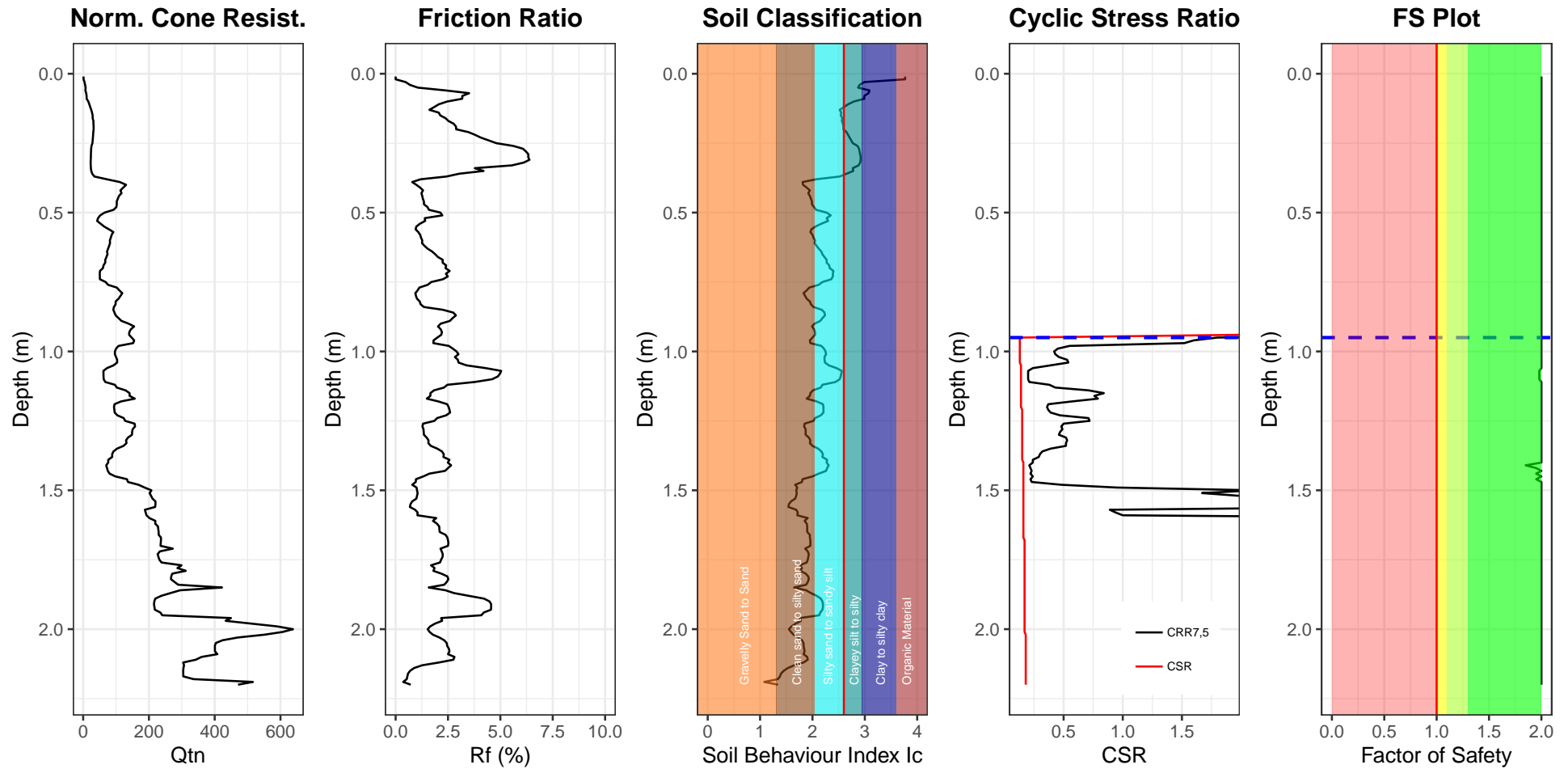
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170183



CPT_170183



Outputs for CPT_170183:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

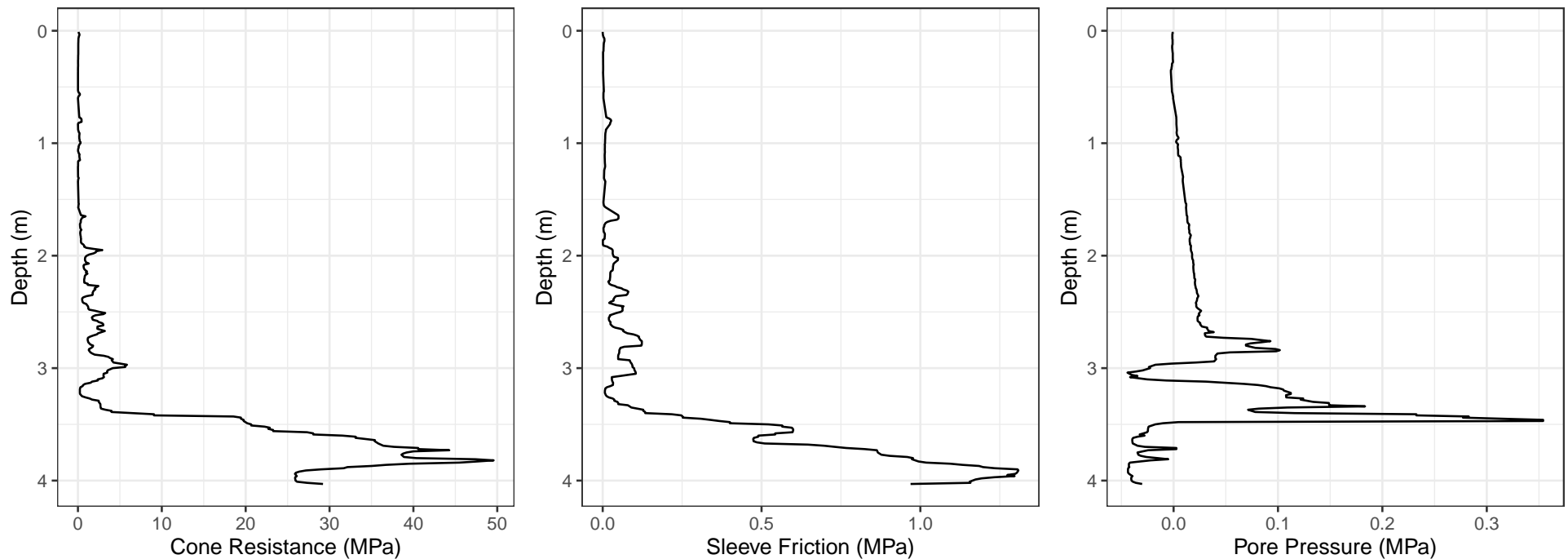
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

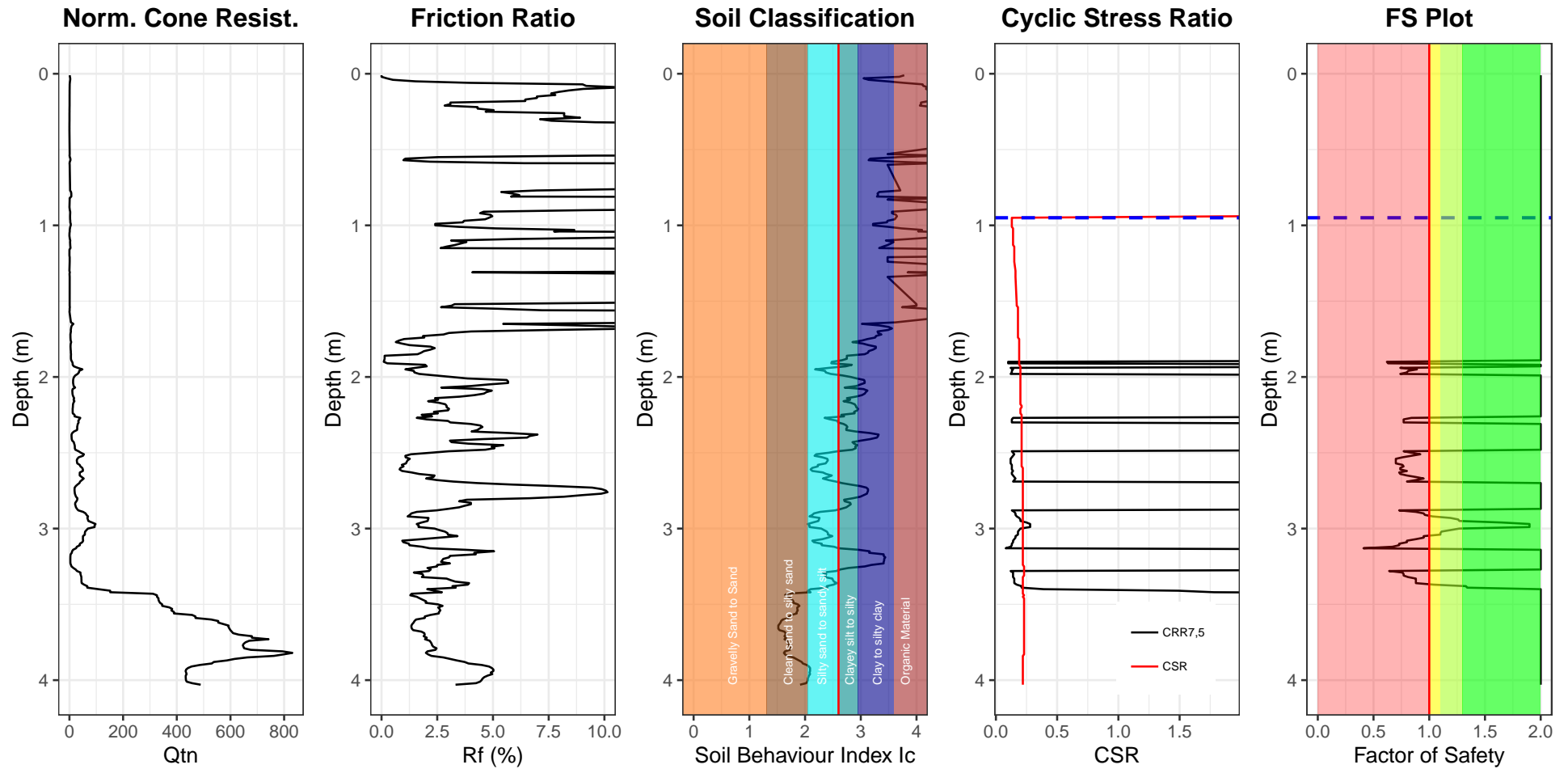
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170184



CPT_170184



Outputs for CPT_170184:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
12	1	5

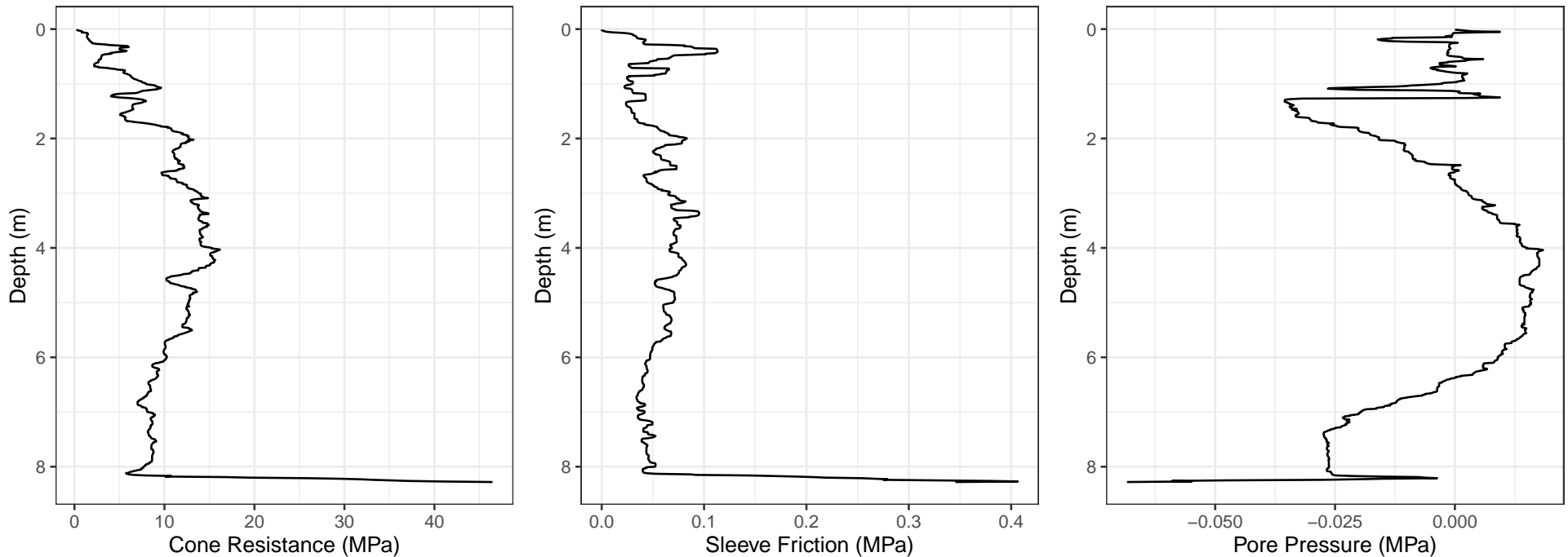
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

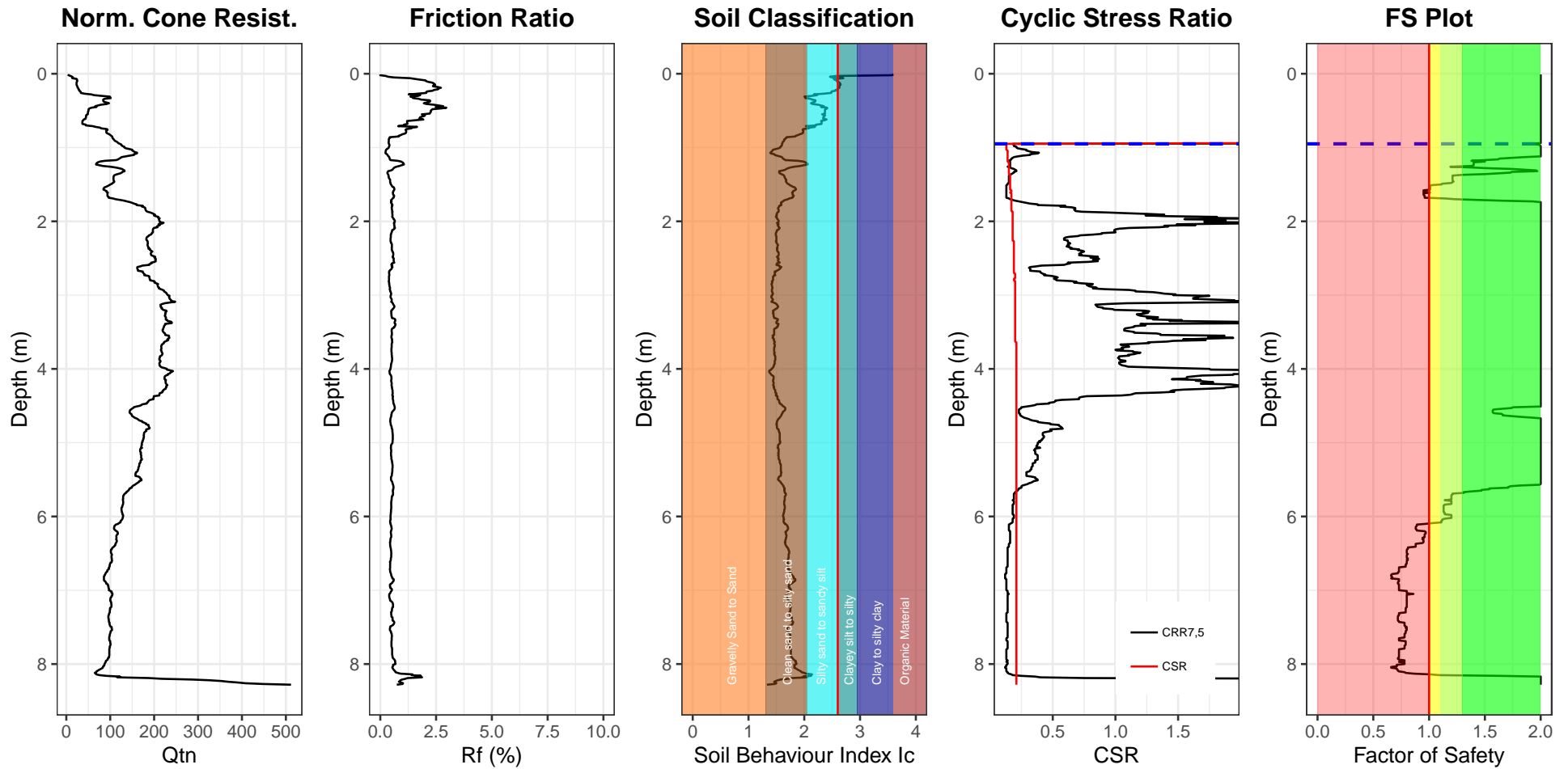
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620359 , 5429301

Raw Data Plots - CPT_170185



CPT_170185



Outputs for CPT_170185:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
46	3	8

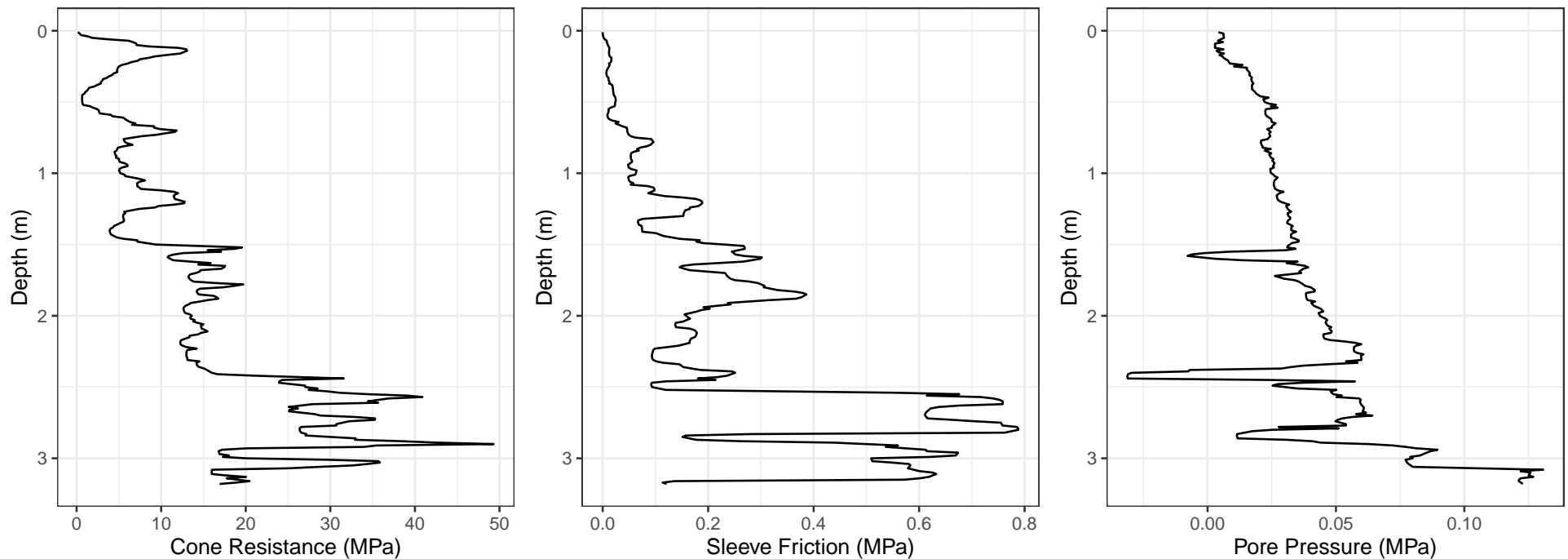
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

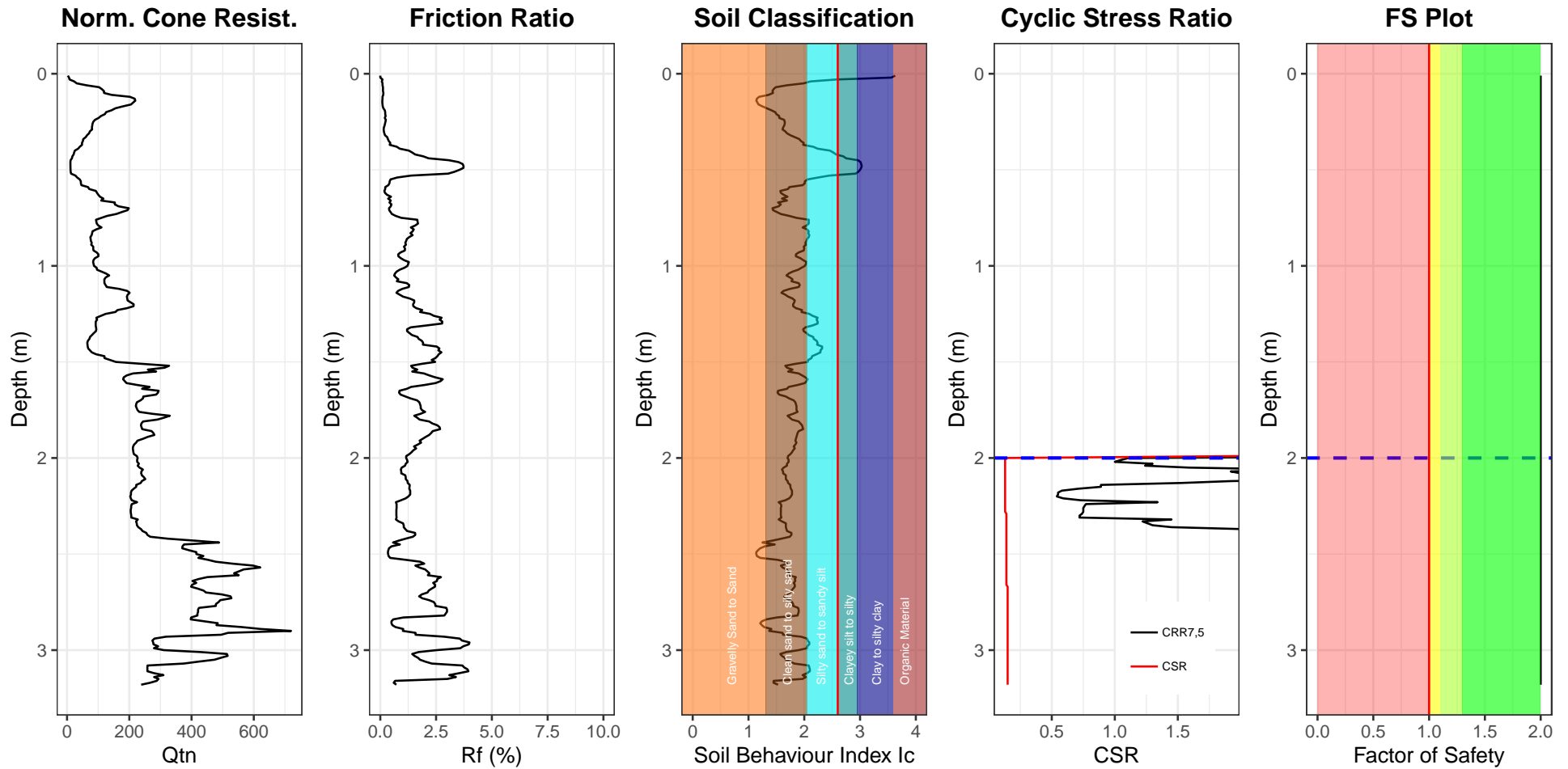
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620592 , 5429302

Raw Data Plots - CPT_170186



CPT_170186



Outputs for CPT_170186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

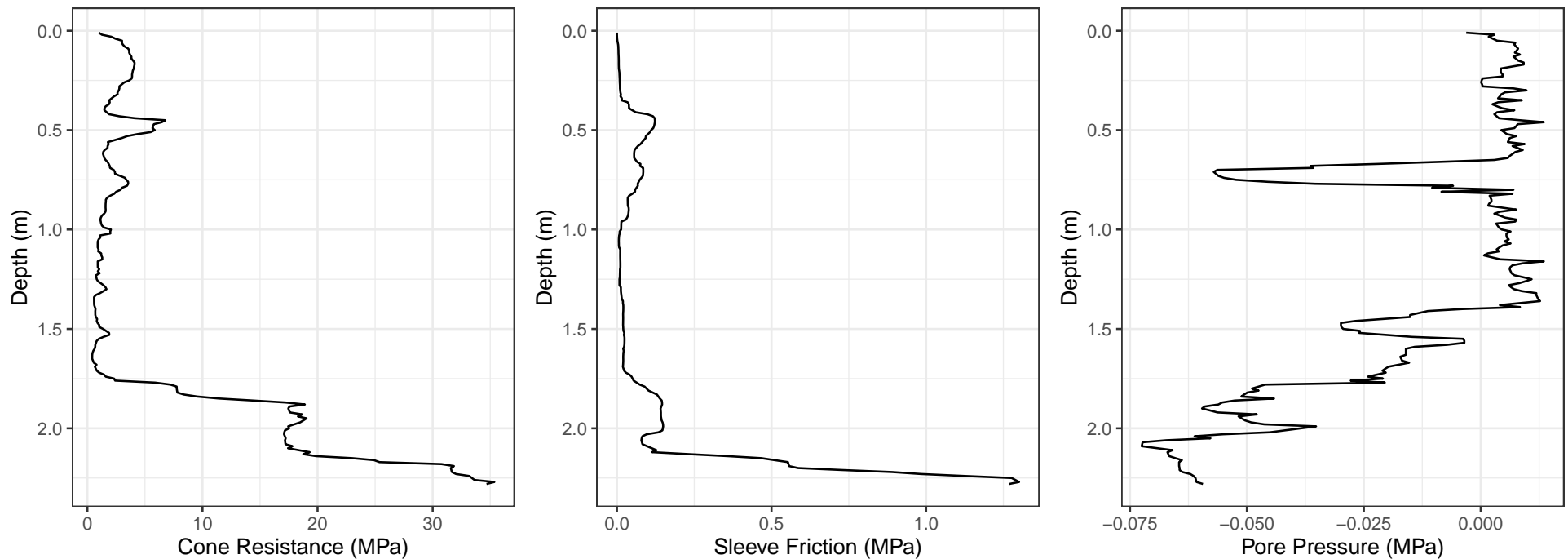
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

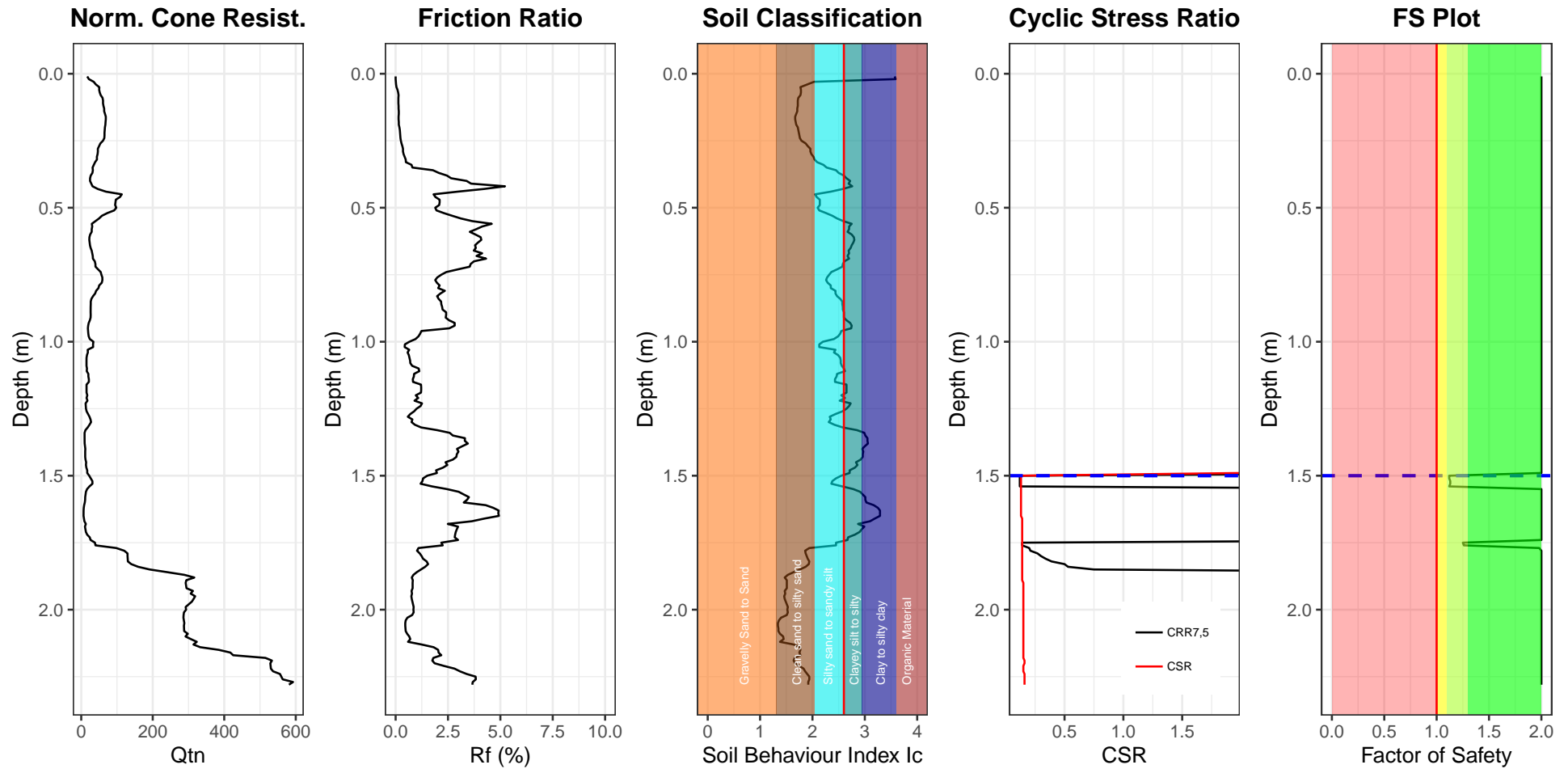
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428994

Raw Data Plots - CPT_170187



CPT_170187



Outputs for CPT_170187:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

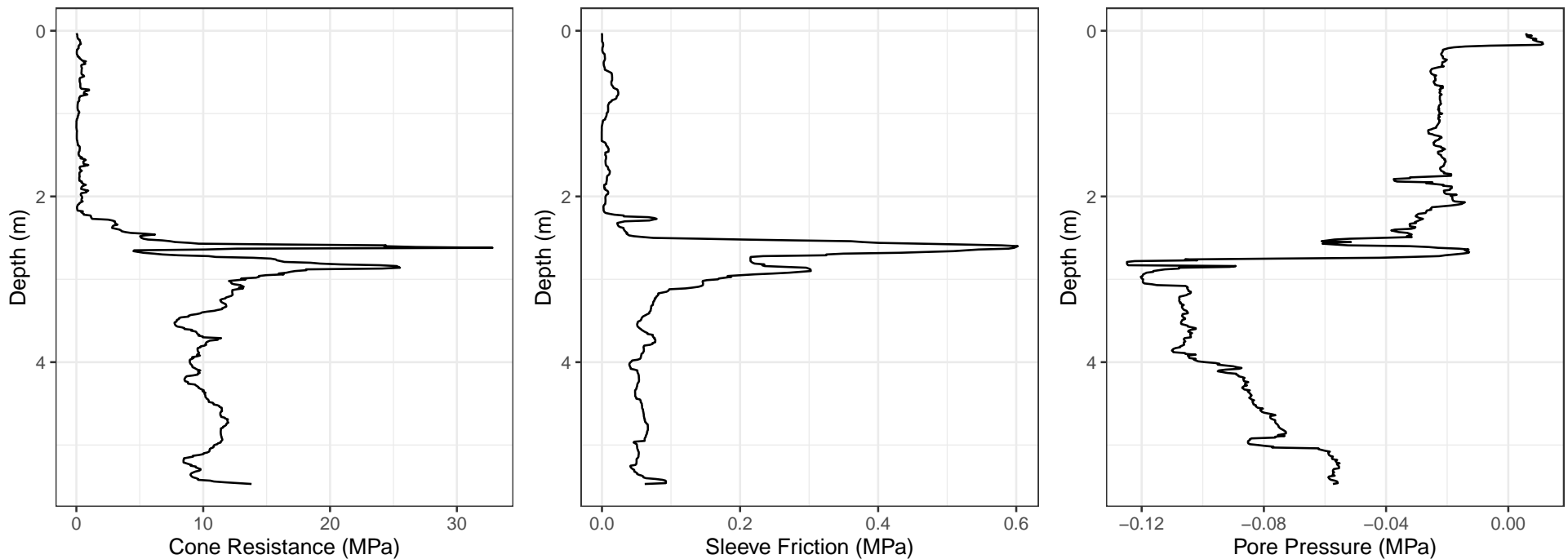
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

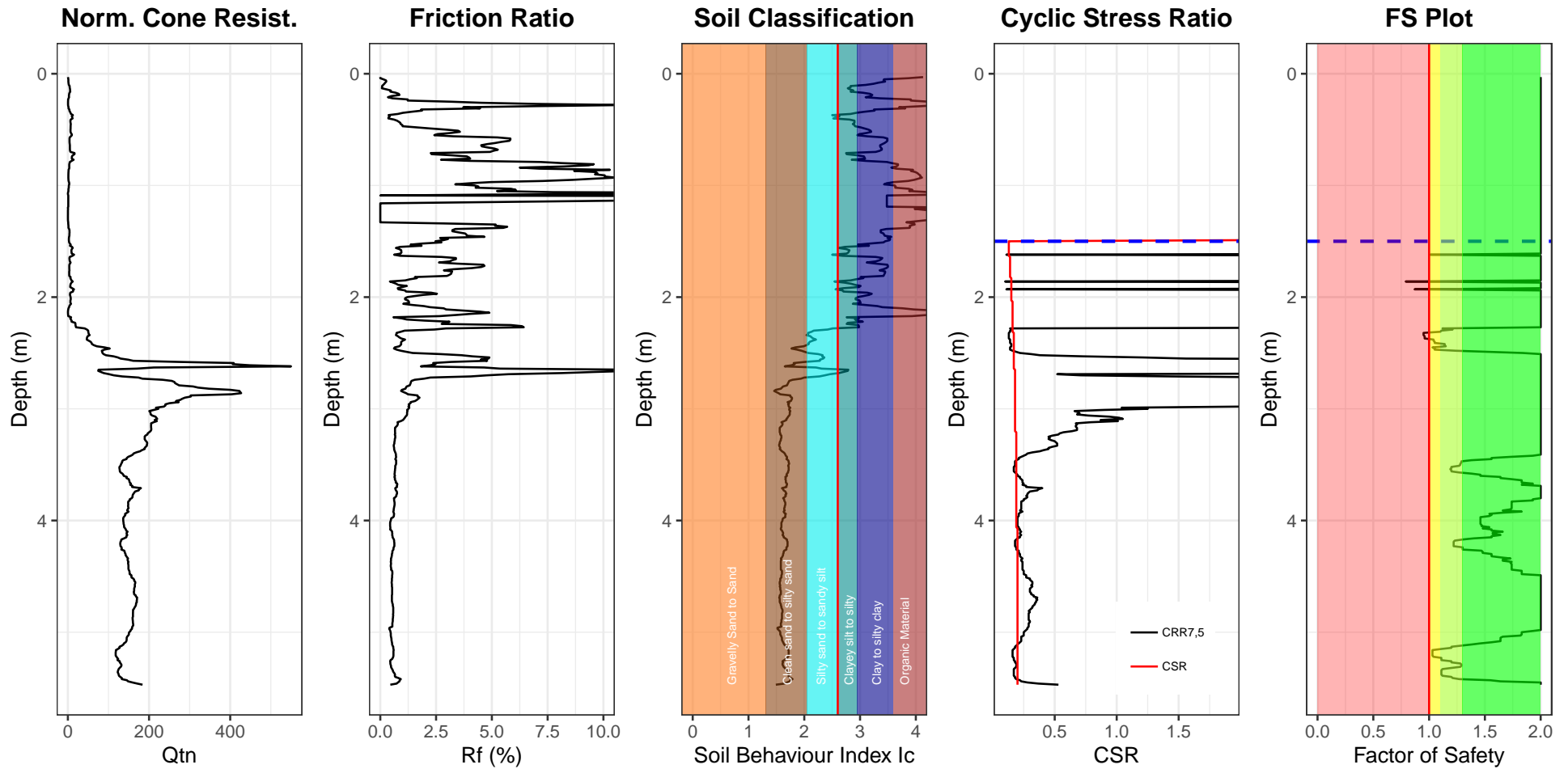
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428997

Raw Data Plots - CPT_170188



CPT_170188



Outputs for CPT_170188:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
5	0	2

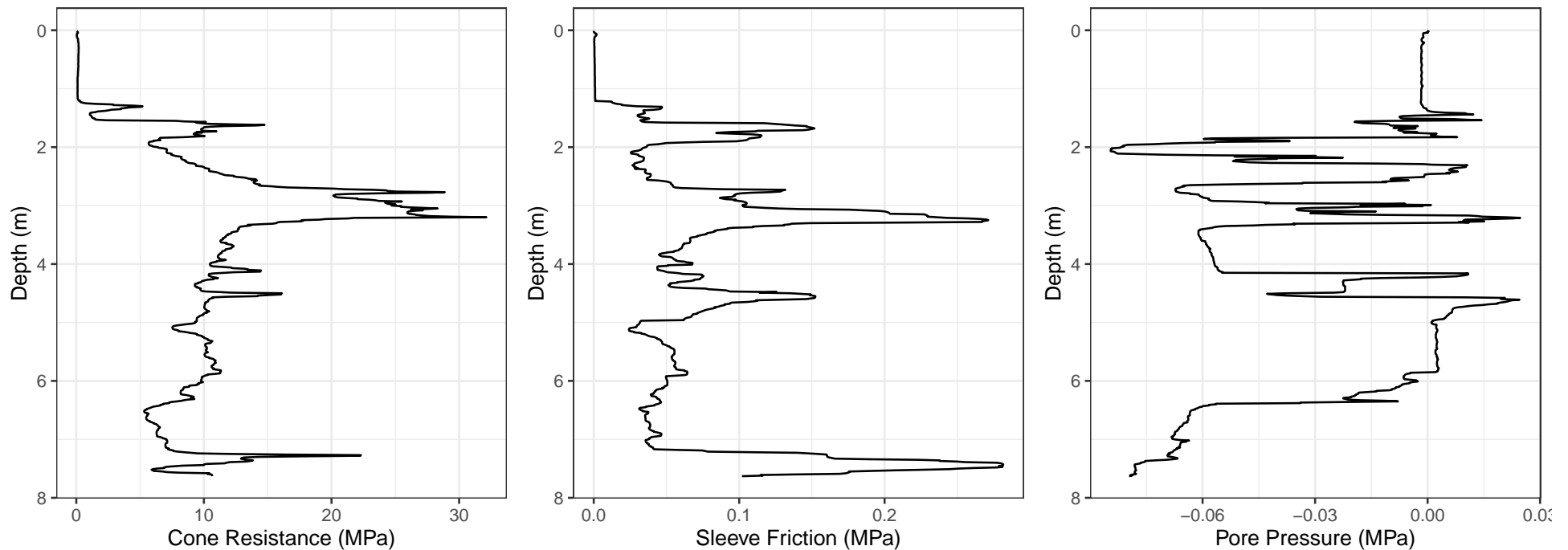
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

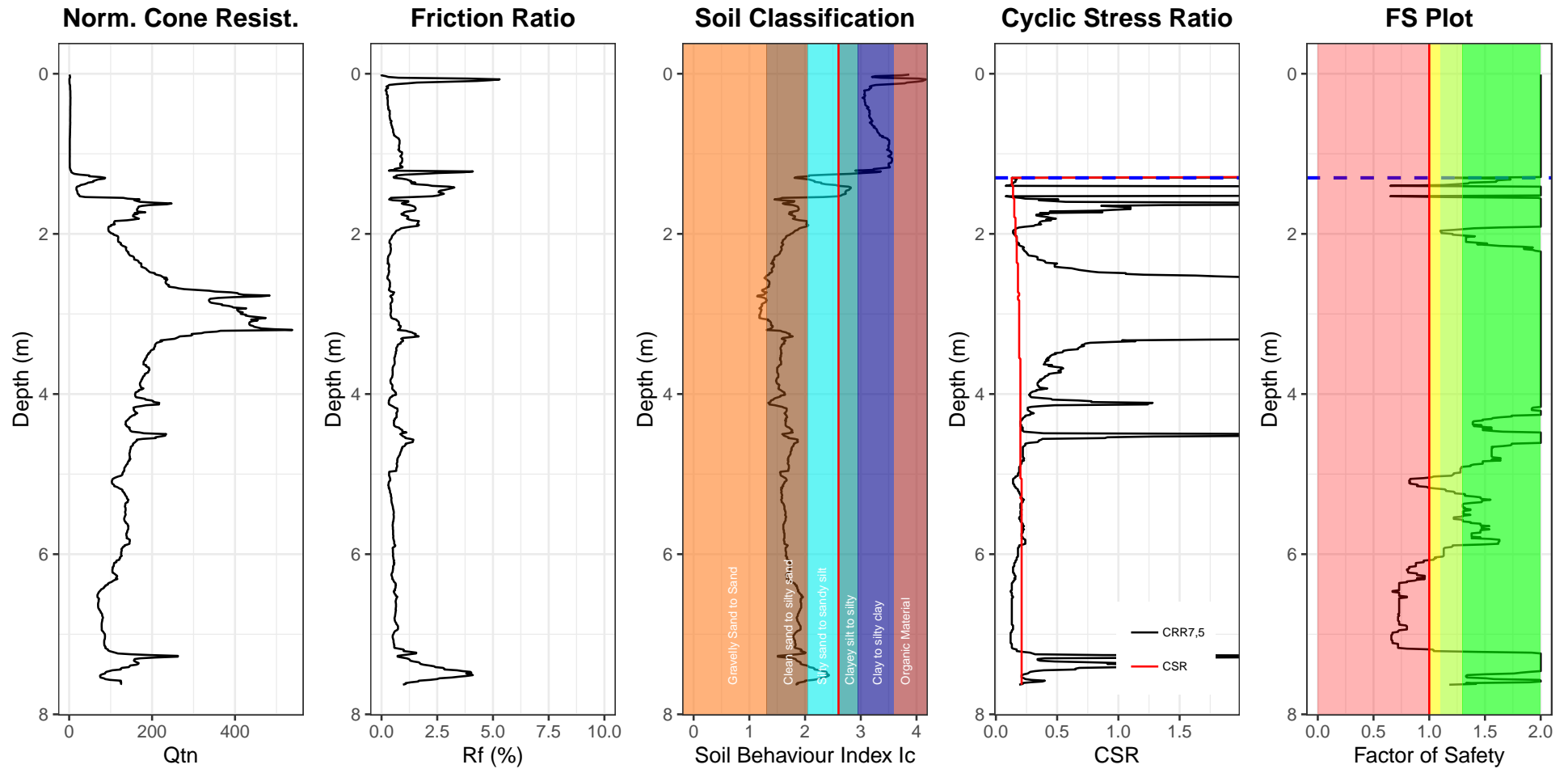
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620450 , 5428857

Raw Data Plots - CPT_170189



CPT_170189



Outputs for CPT_170189:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
31	2	6

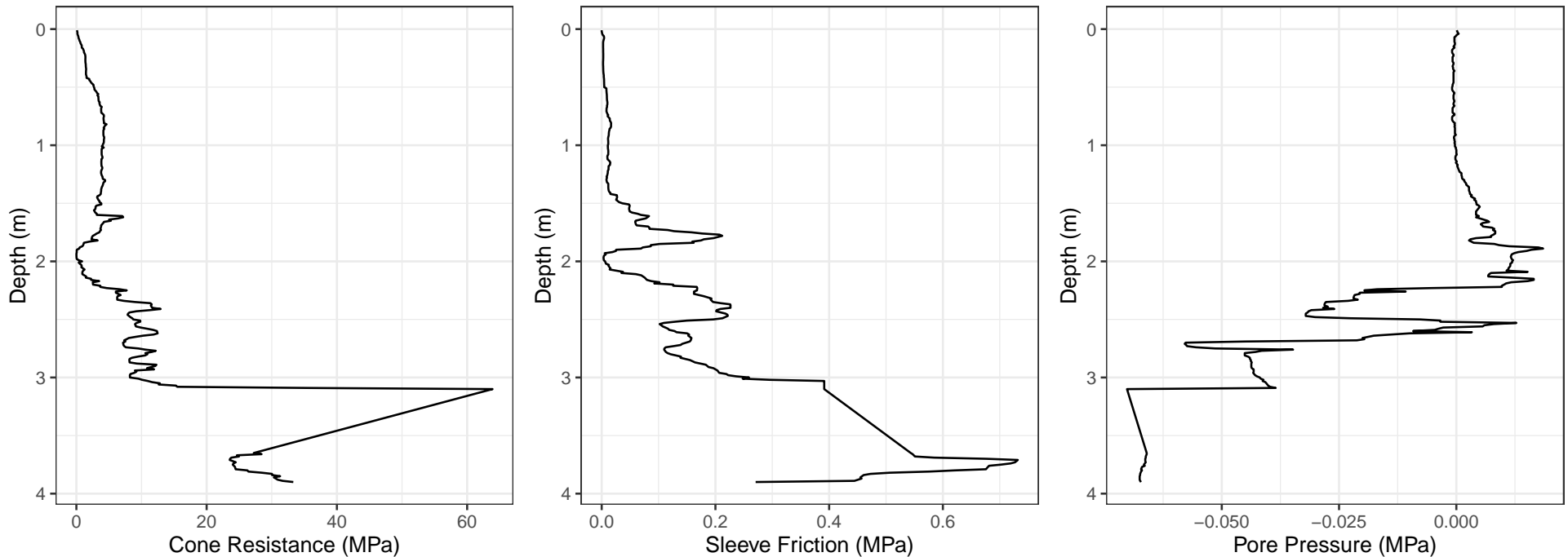
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

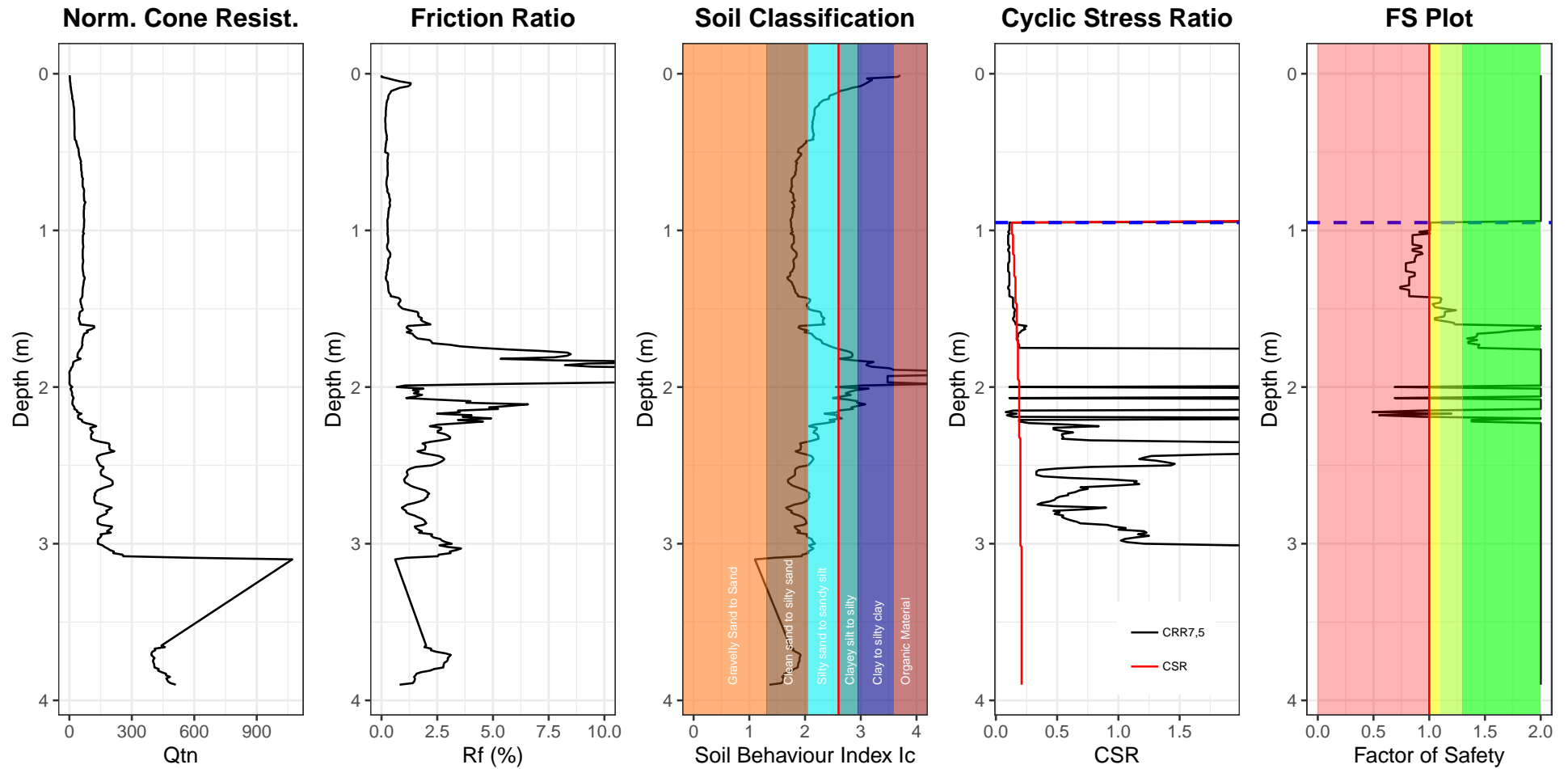
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170190



CPT_170190



Outputs for CPT_170190:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
16	1	13

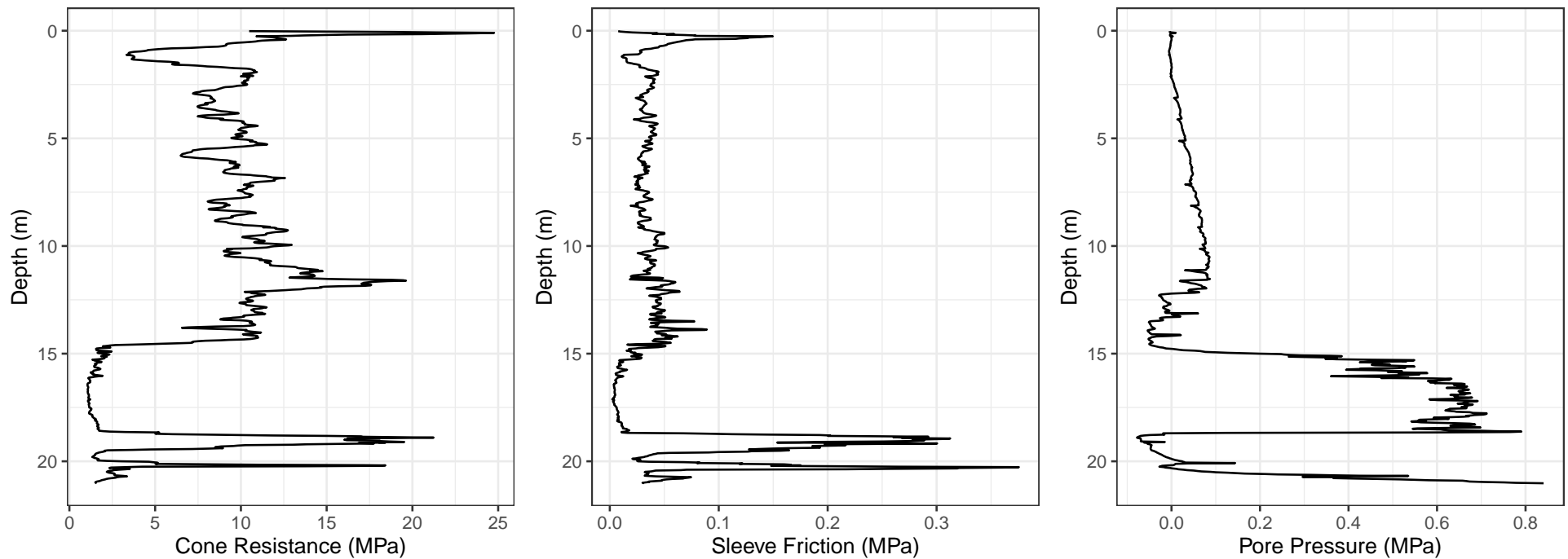
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

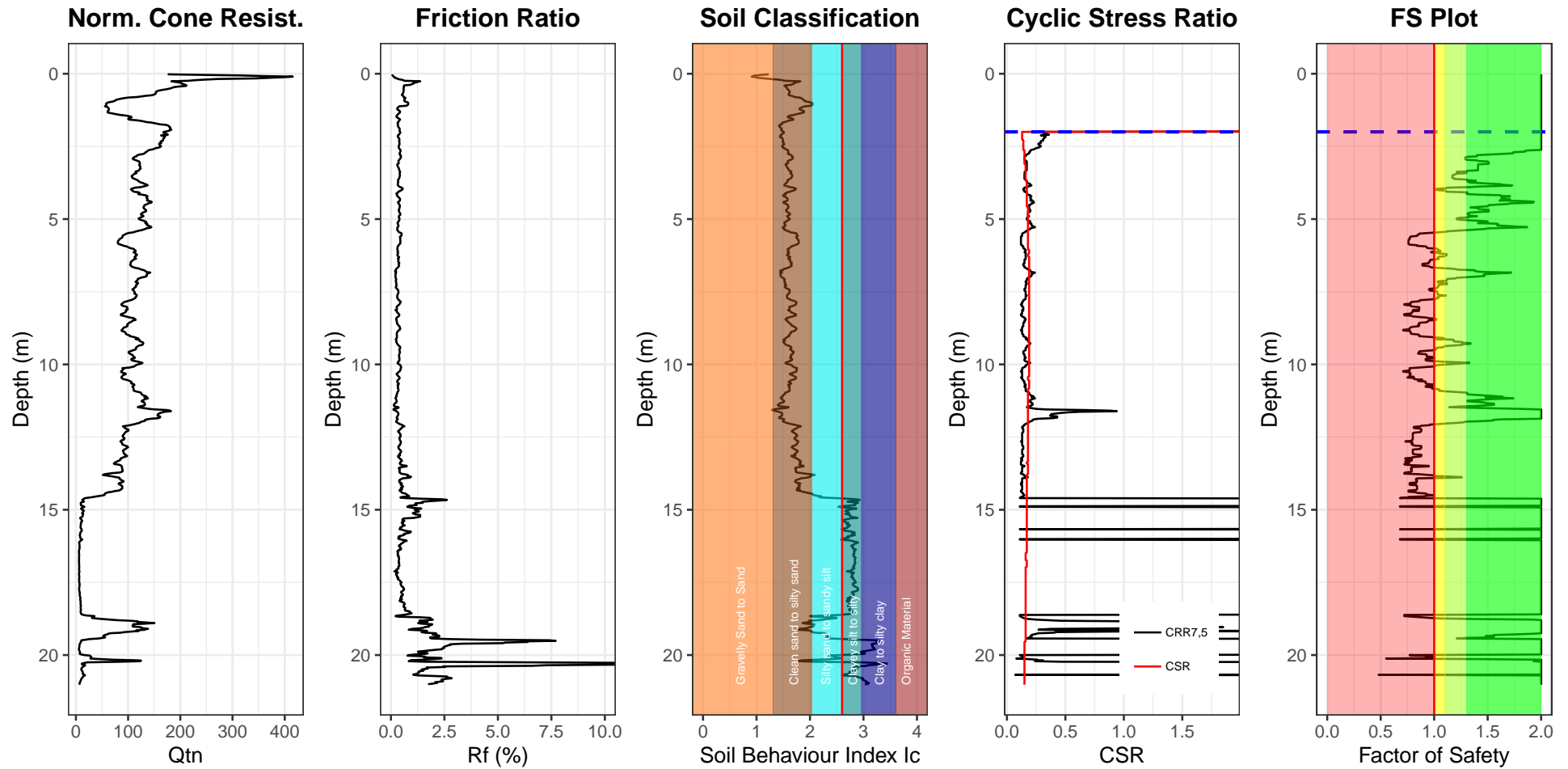
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620178 , 5430066

Raw Data Plots - CPT_171202



CPT_171202



Outputs for CPT_171202:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
139	4	15

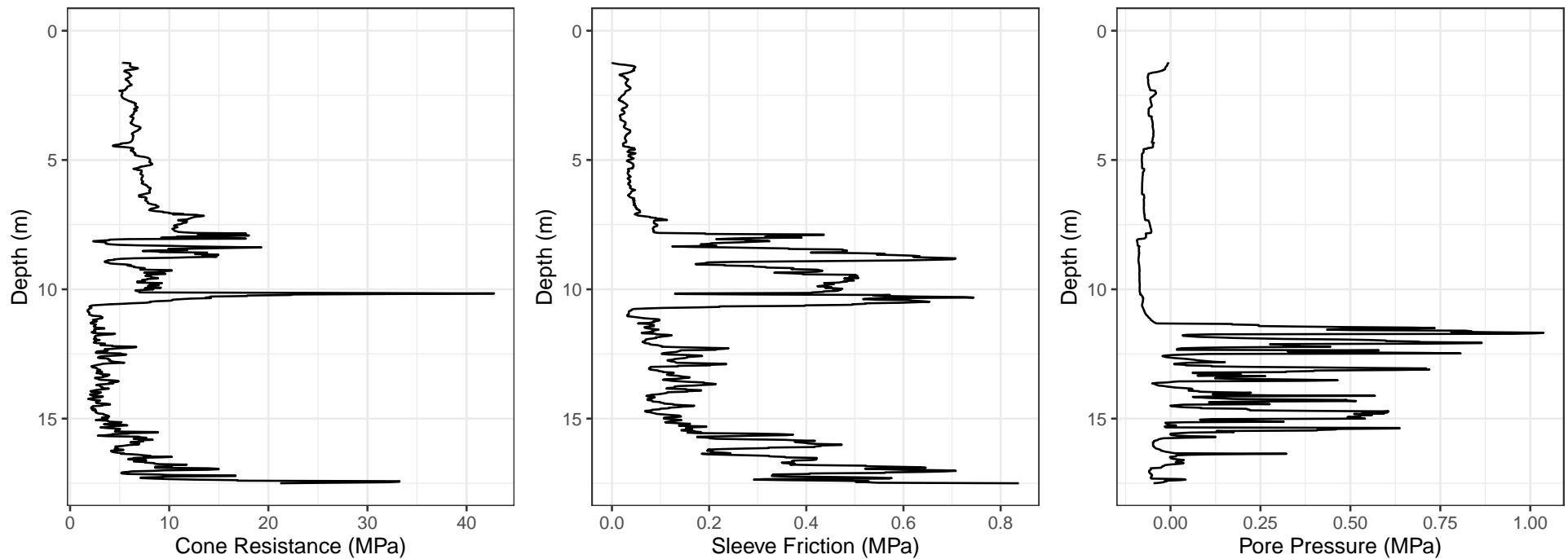
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

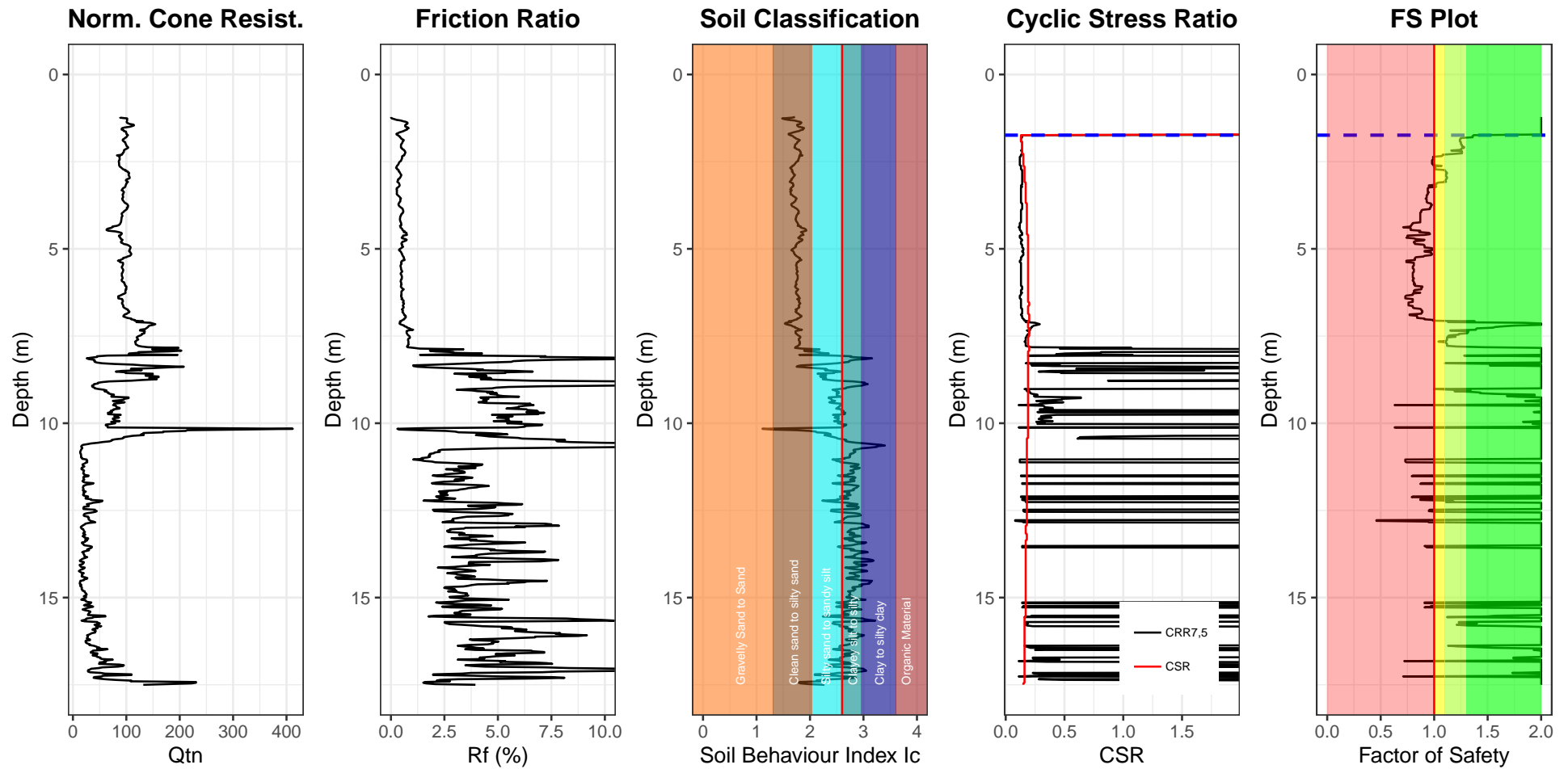
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.74
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.22
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619581 , 5427954

Raw Data Plots - CPT_171648



CPT_171648



Outputs for CPT_171648:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
99	5	20

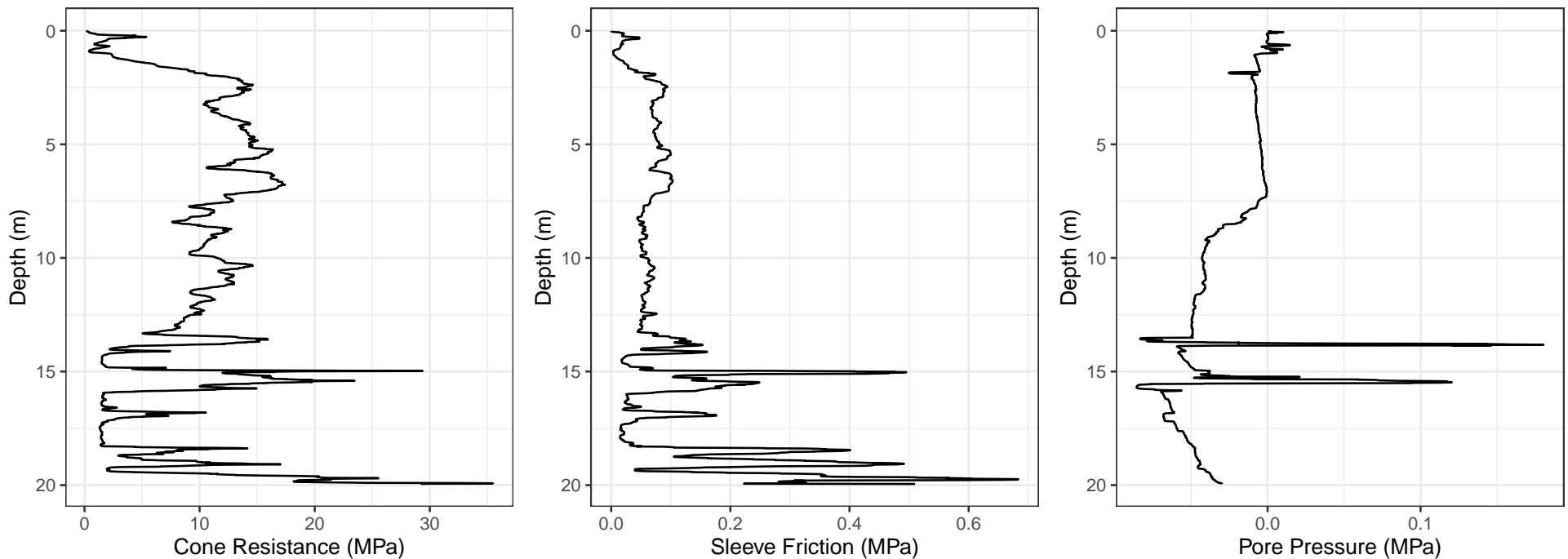
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

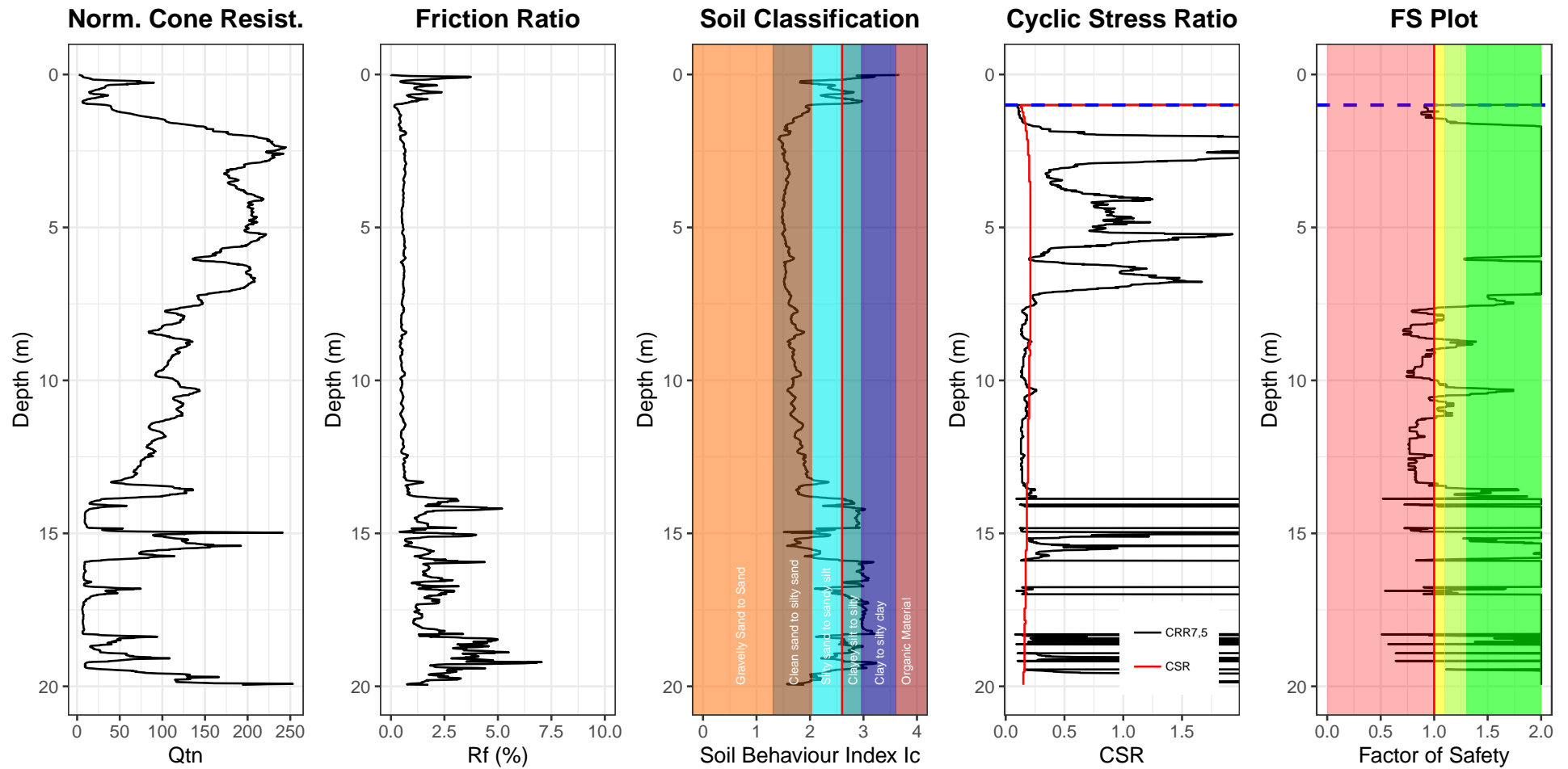
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620062 , 5429295

Raw Data Plots - CPT_171649



CPT_171649



Outputs for CPT_171649:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
101	3	17

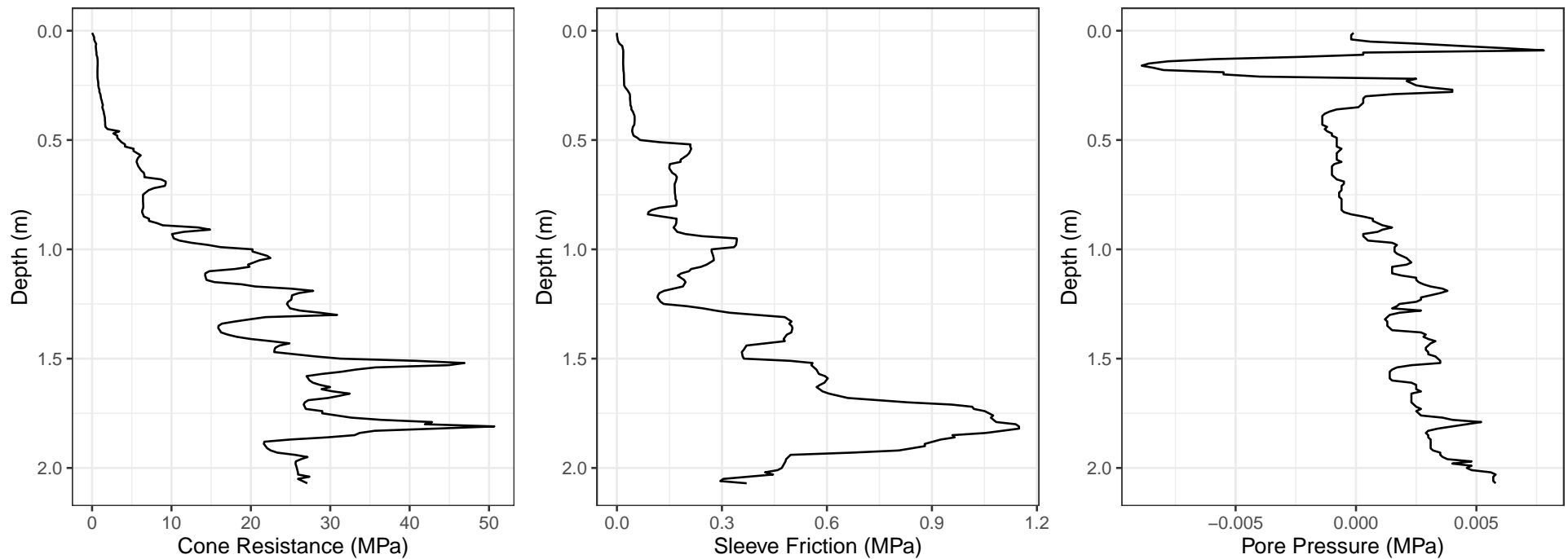
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

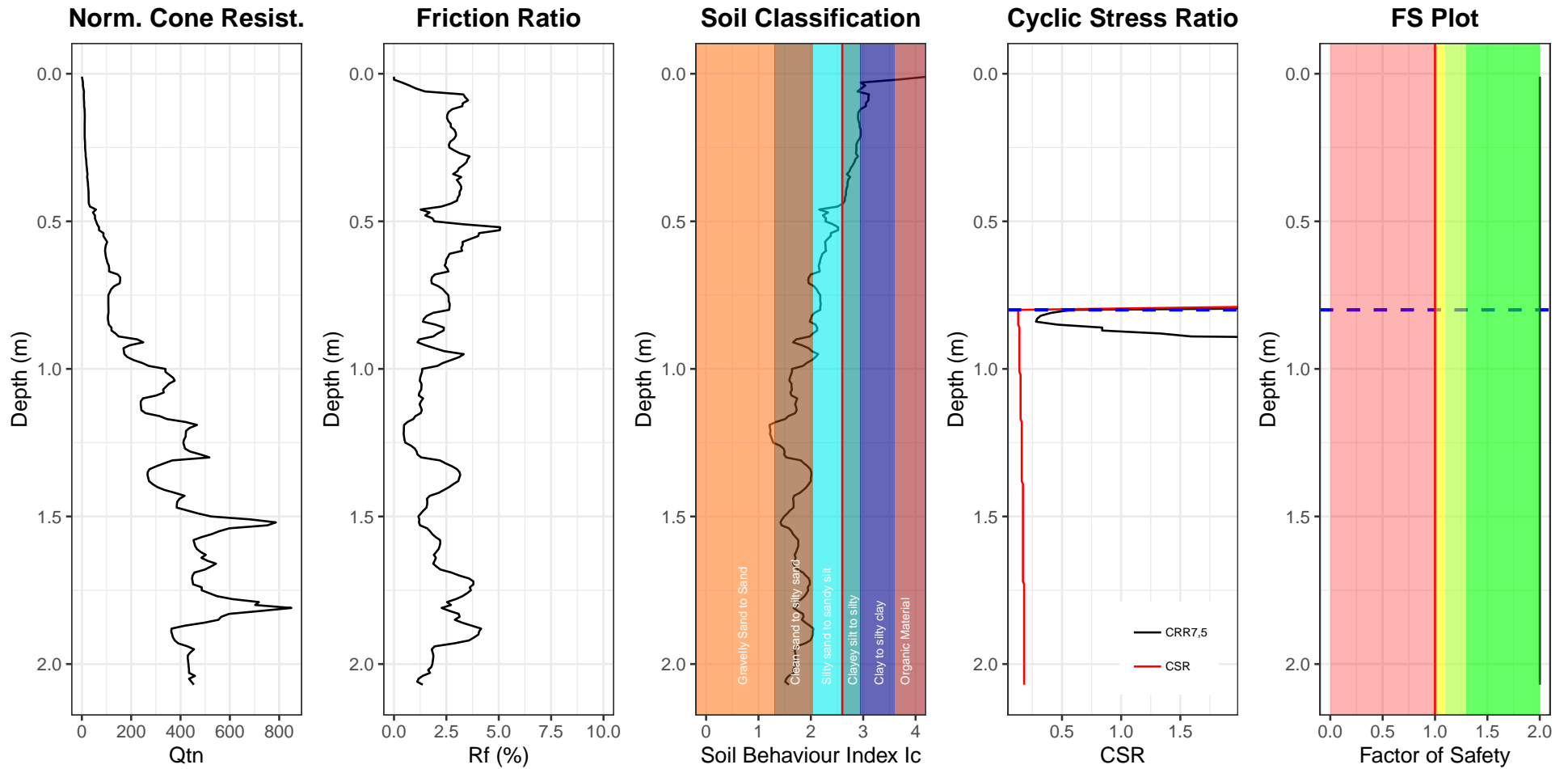
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	0.8
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620650 , 5429650

Raw Data Plots - CPT_171650



CPT_171650



Outputs for CPT_171650:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

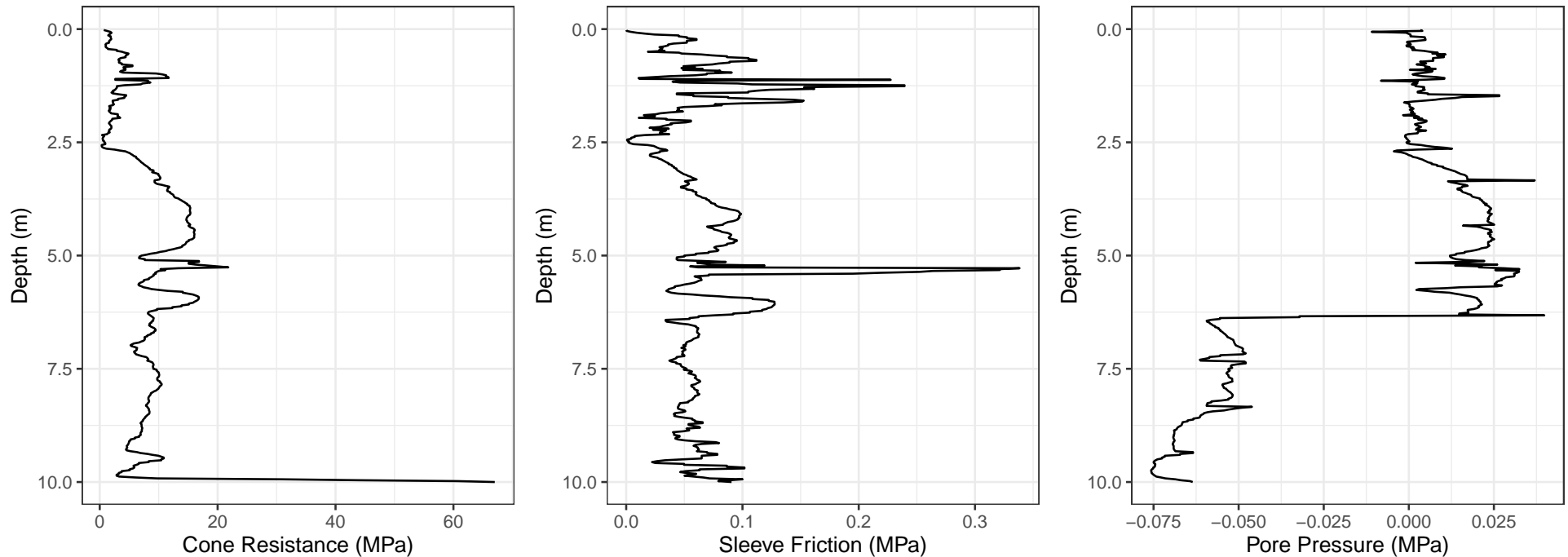
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

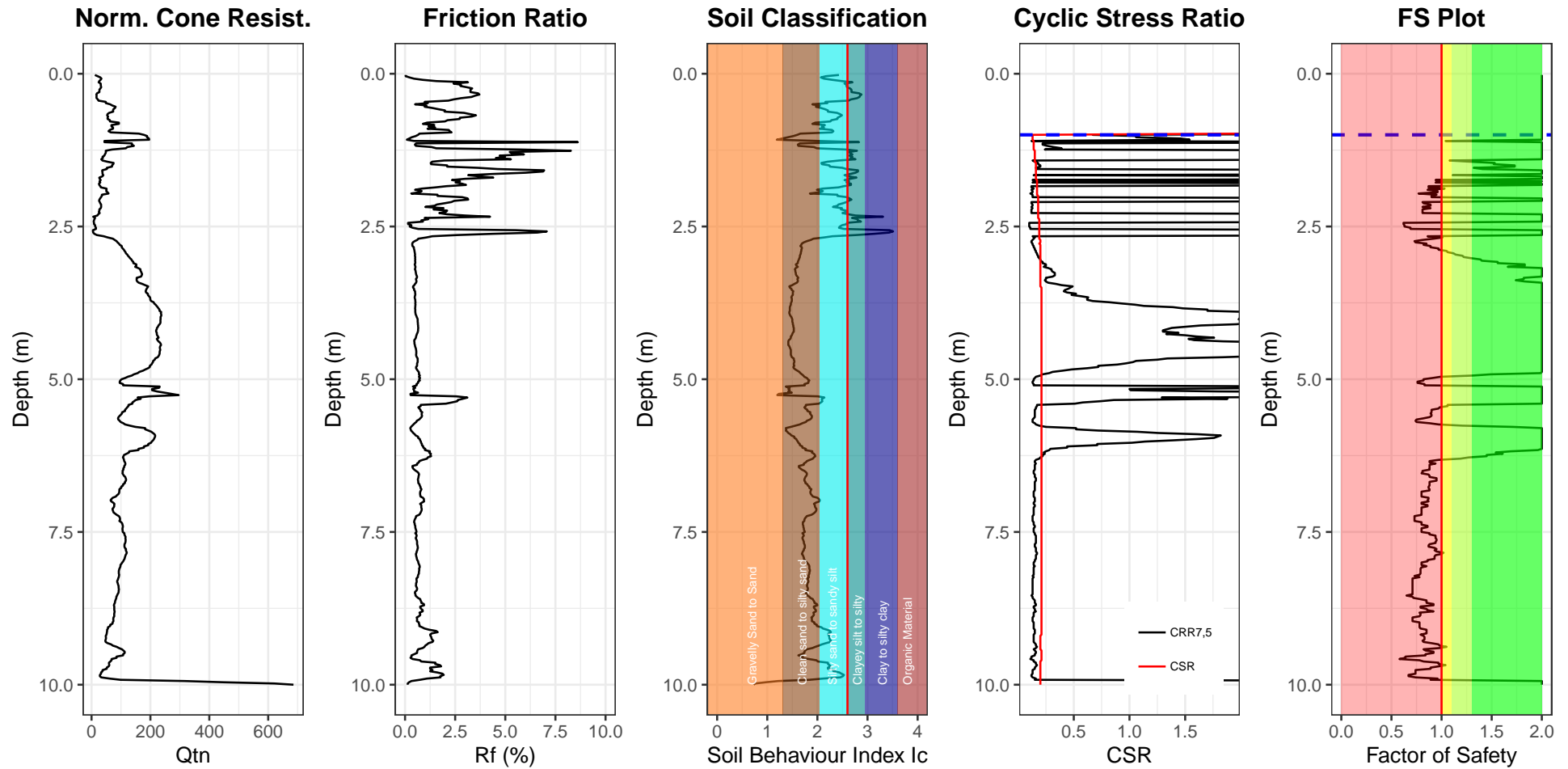
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620423 , 5429674

Raw Data Plots - CPT_171651



CPT_171651



Outputs for CPT_171651:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
90	5	17

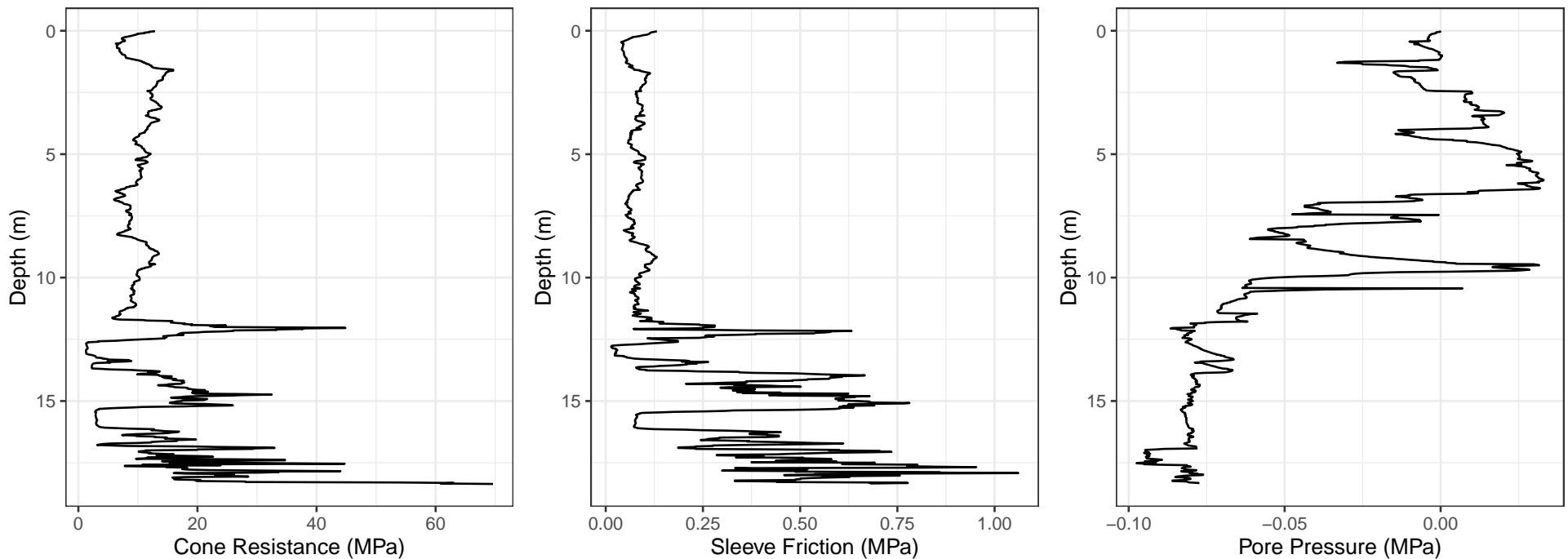
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

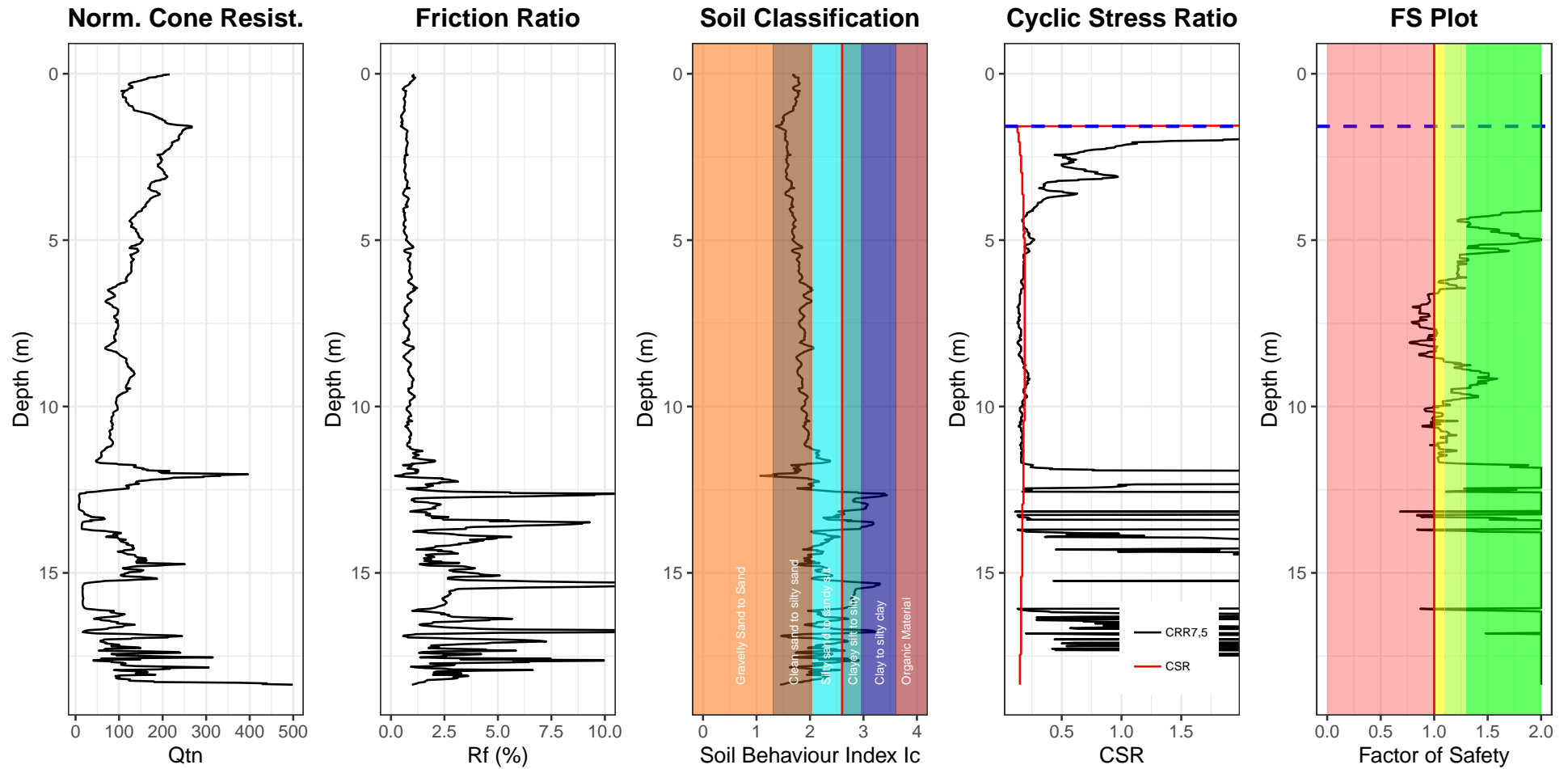
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.58
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620049 , 5429143

Raw Data Plots - CPT_171652



CPT_171652



Outputs for CPT_171652:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
51	1	6

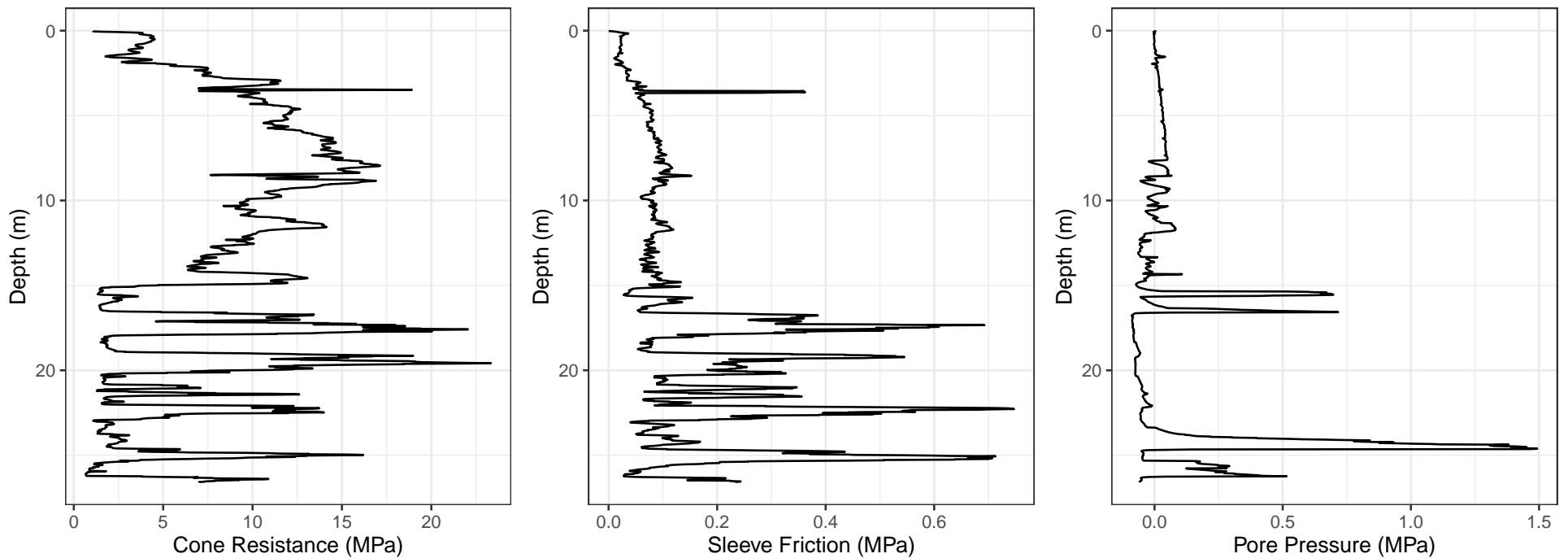
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

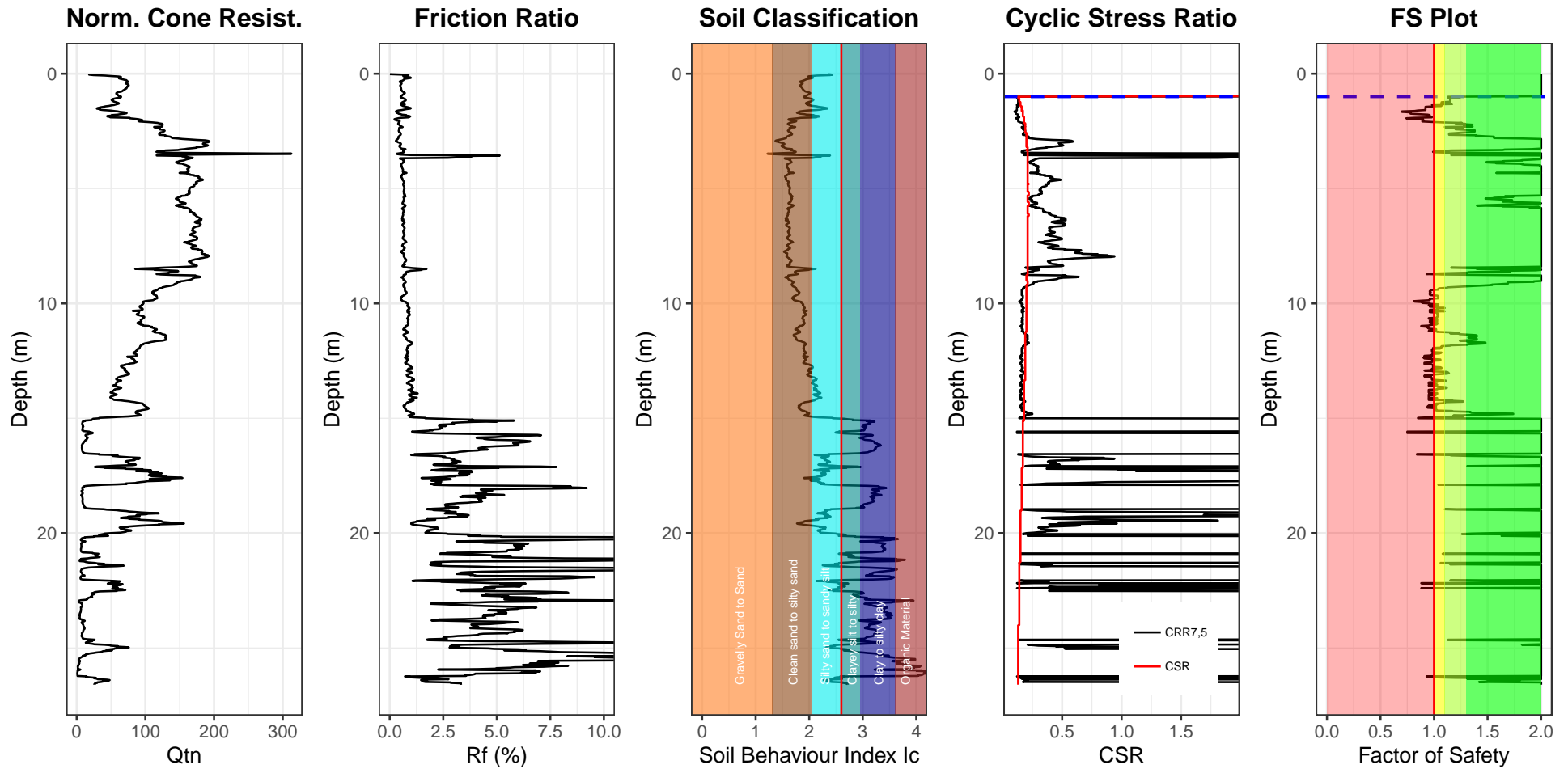
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.99
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619613 , 5429471

Raw Data Plots - CPT_171653



CPT_171653



Outputs for CPT_171653:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
70	1	15

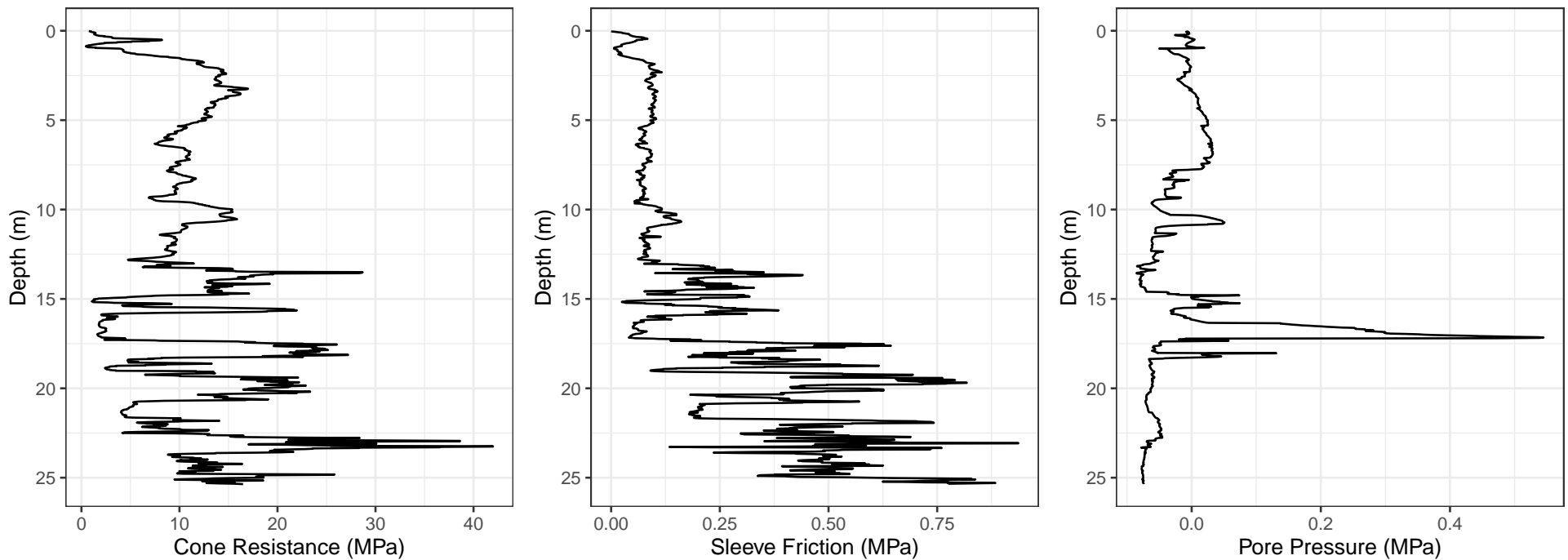
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

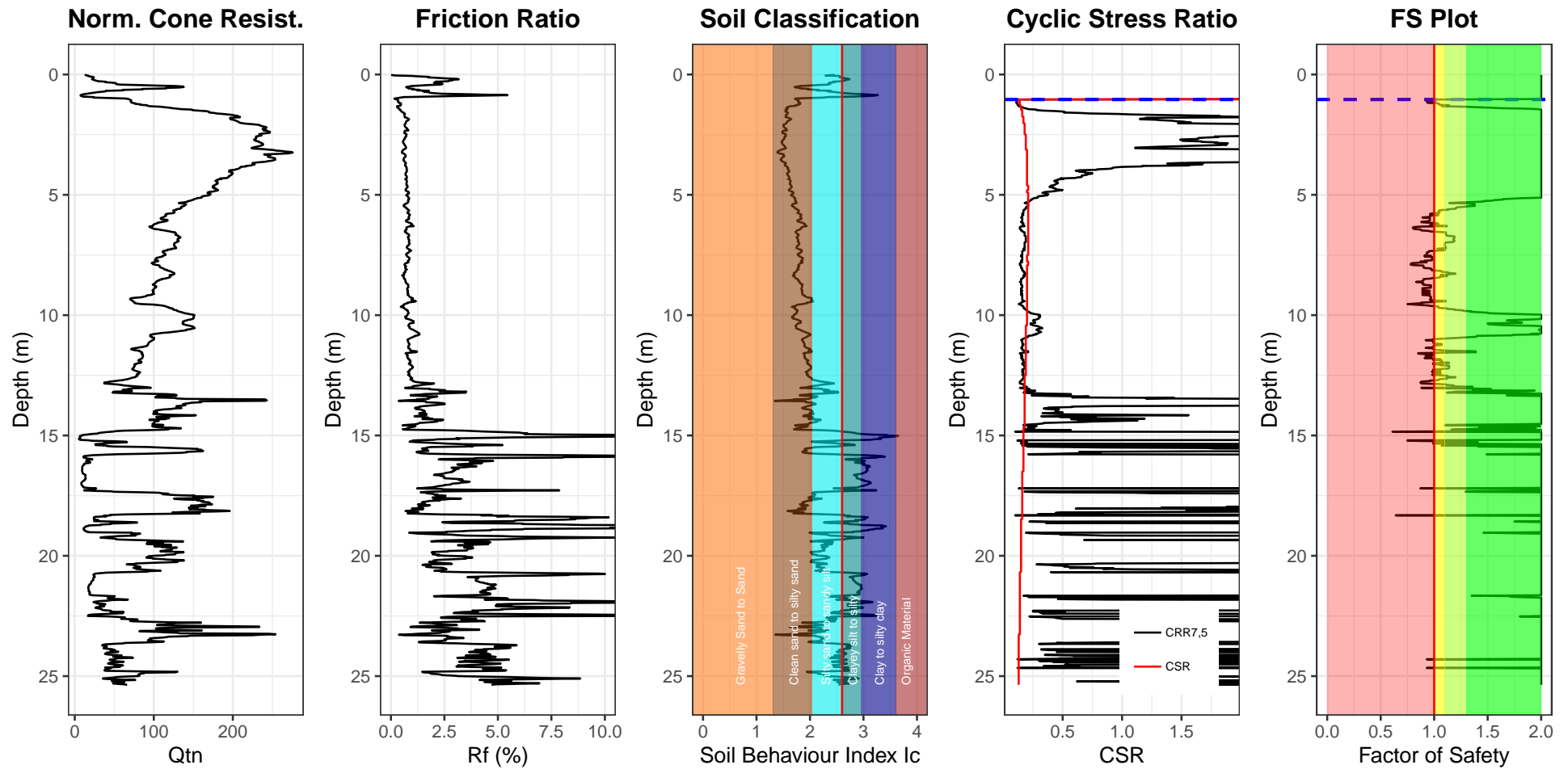
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.04
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619786 , 5429211

Raw Data Plots - CPT_171654



CPT_171654



Outputs for CPT_171654:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
64	1	10

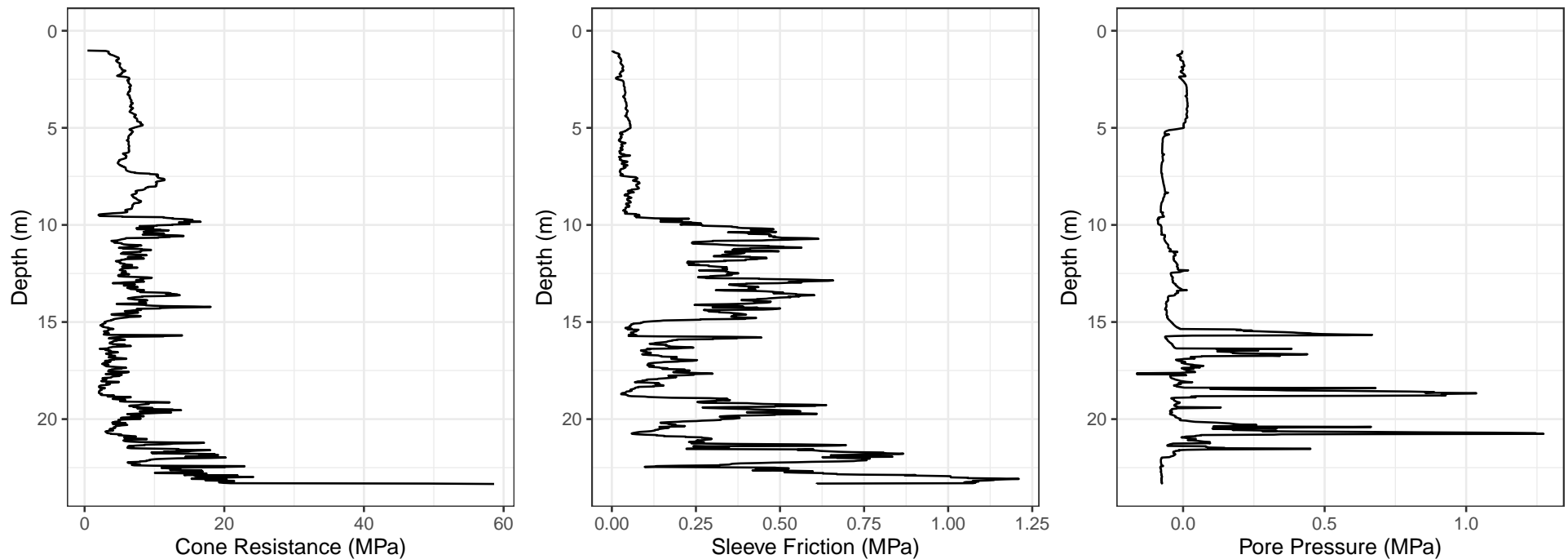
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

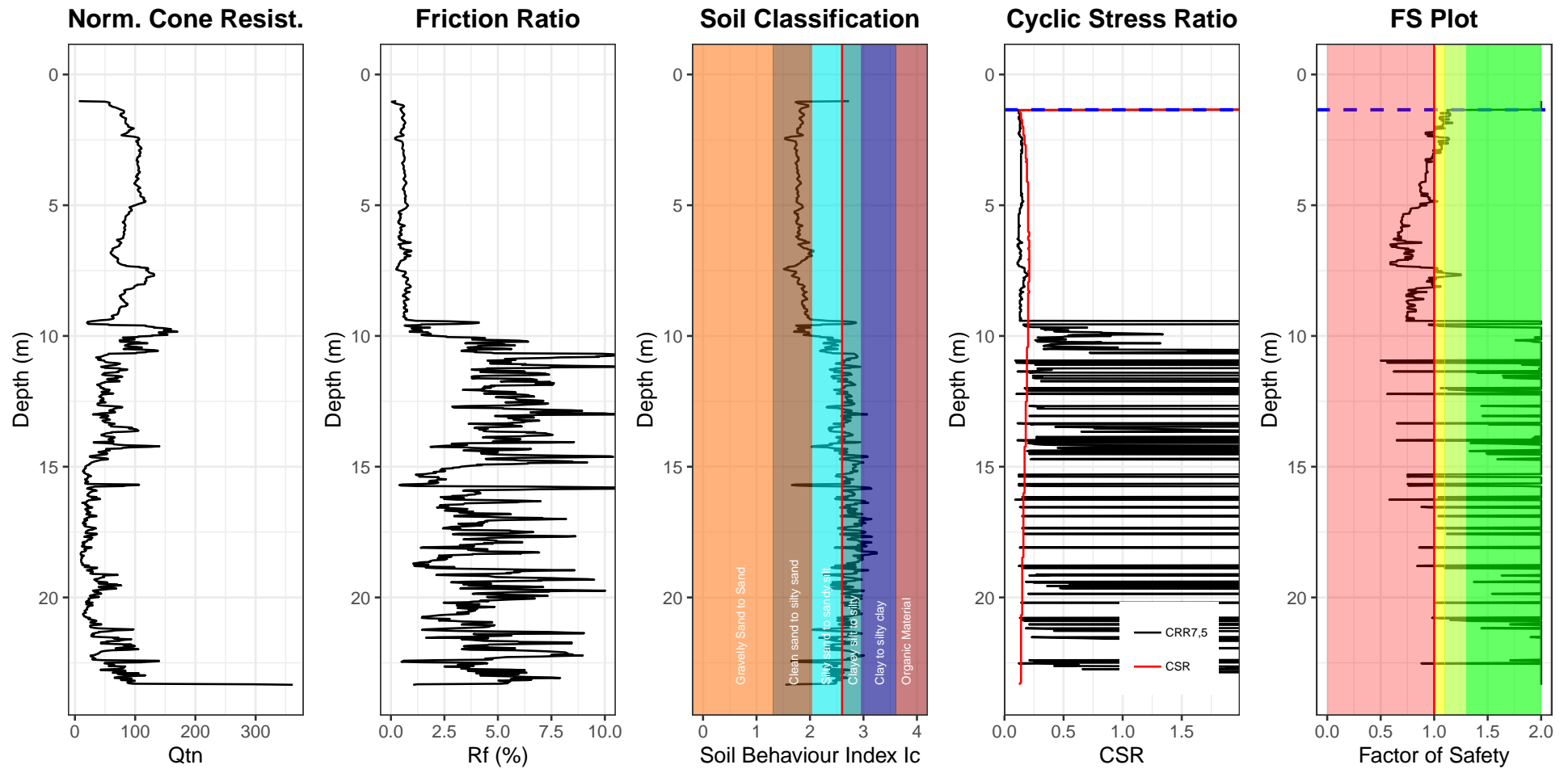
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.35
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619617 , 5428264

Raw Data Plots - CPT_171655



CPT_171655



Outputs for CPT_171655:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
148	8	28

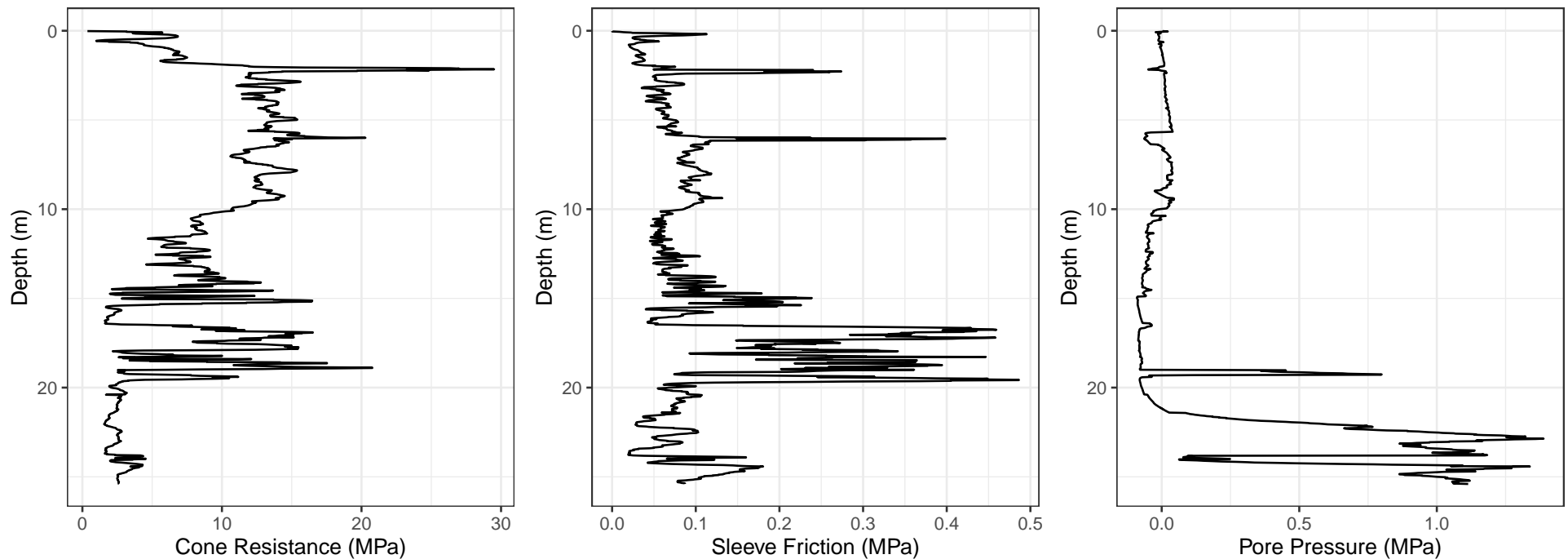
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

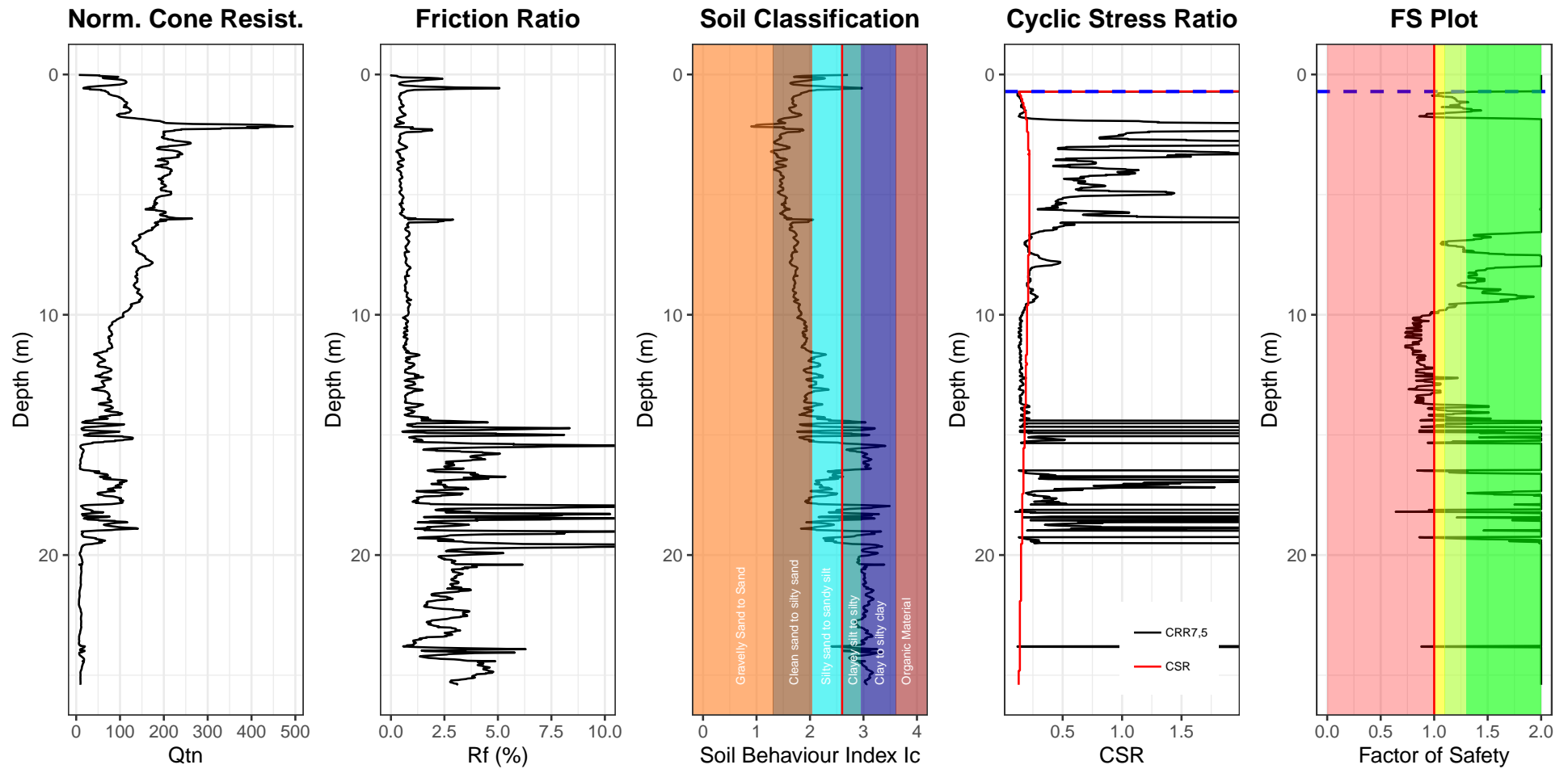
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	0.71
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620104 , 5429737

Raw Data Plots - CPT_171656



CPT_171656



Outputs for CPT_171656:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
81	2	12

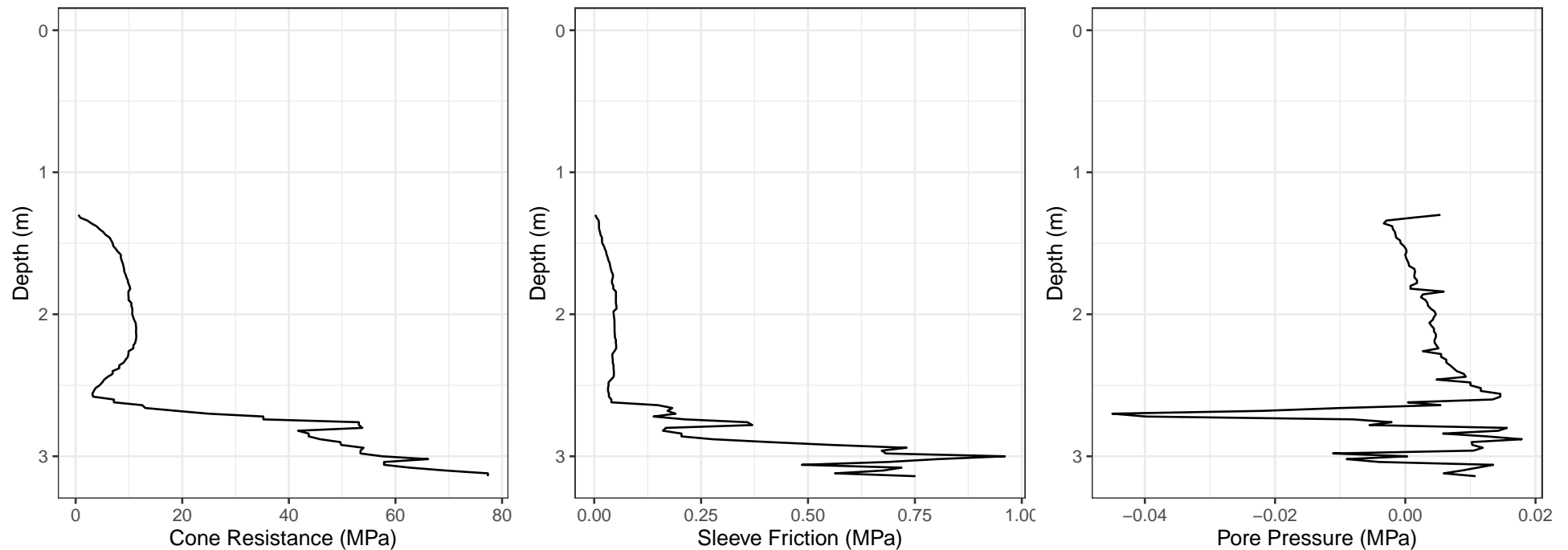
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

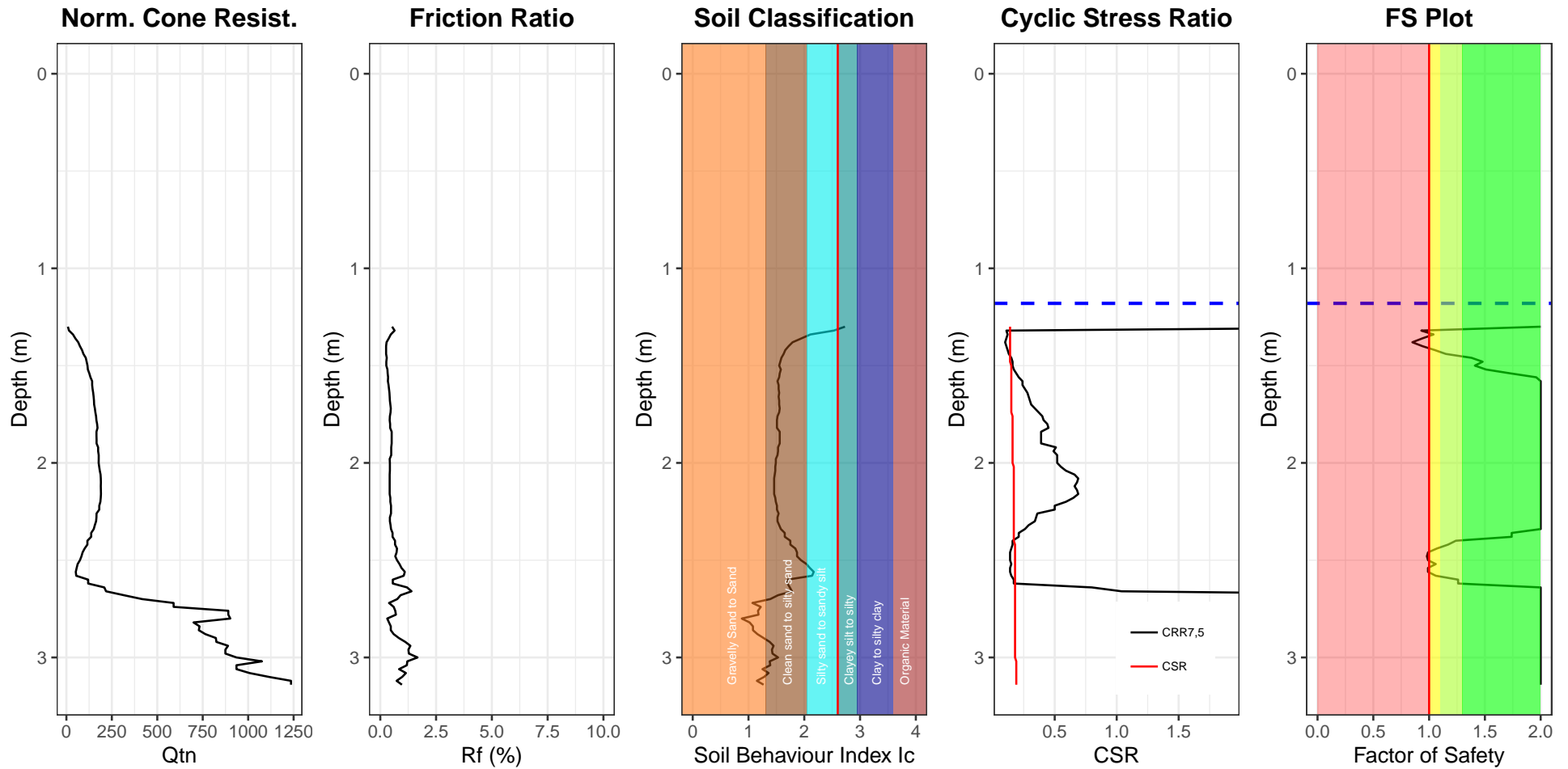
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	1.18
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.3
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620094 , 5429492

Raw Data Plots - CPT_171657



CPT_171657



Outputs for CPT_171657:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
4	0	3

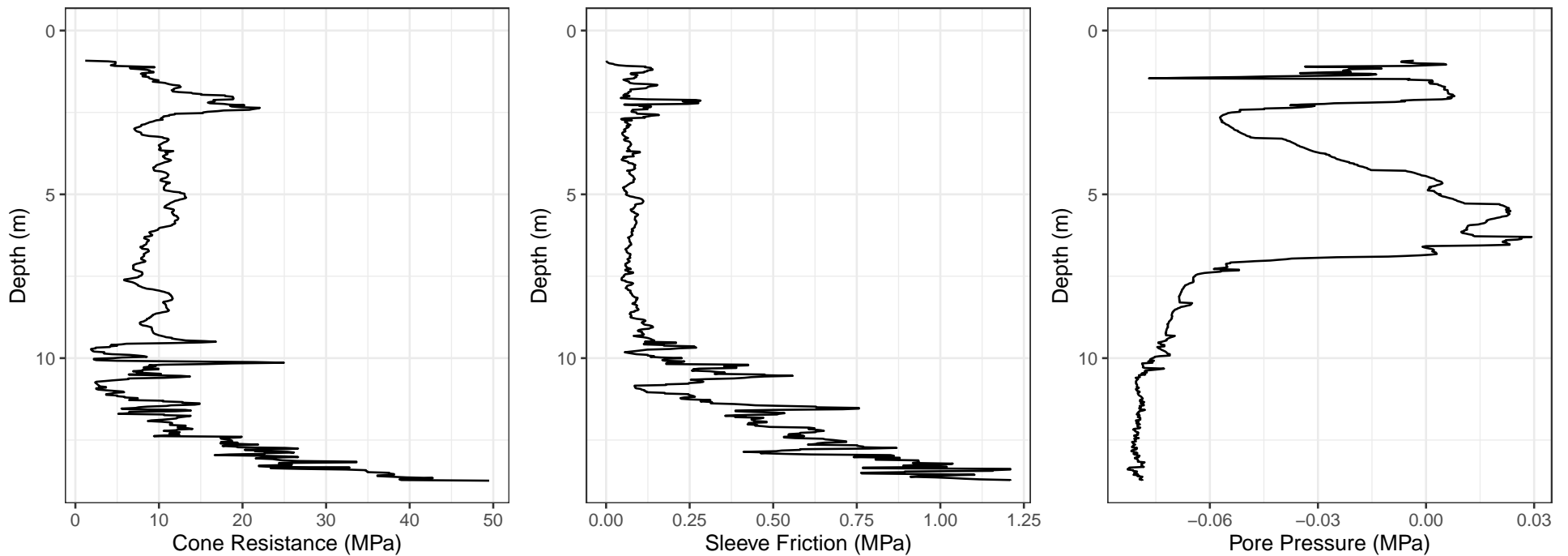
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

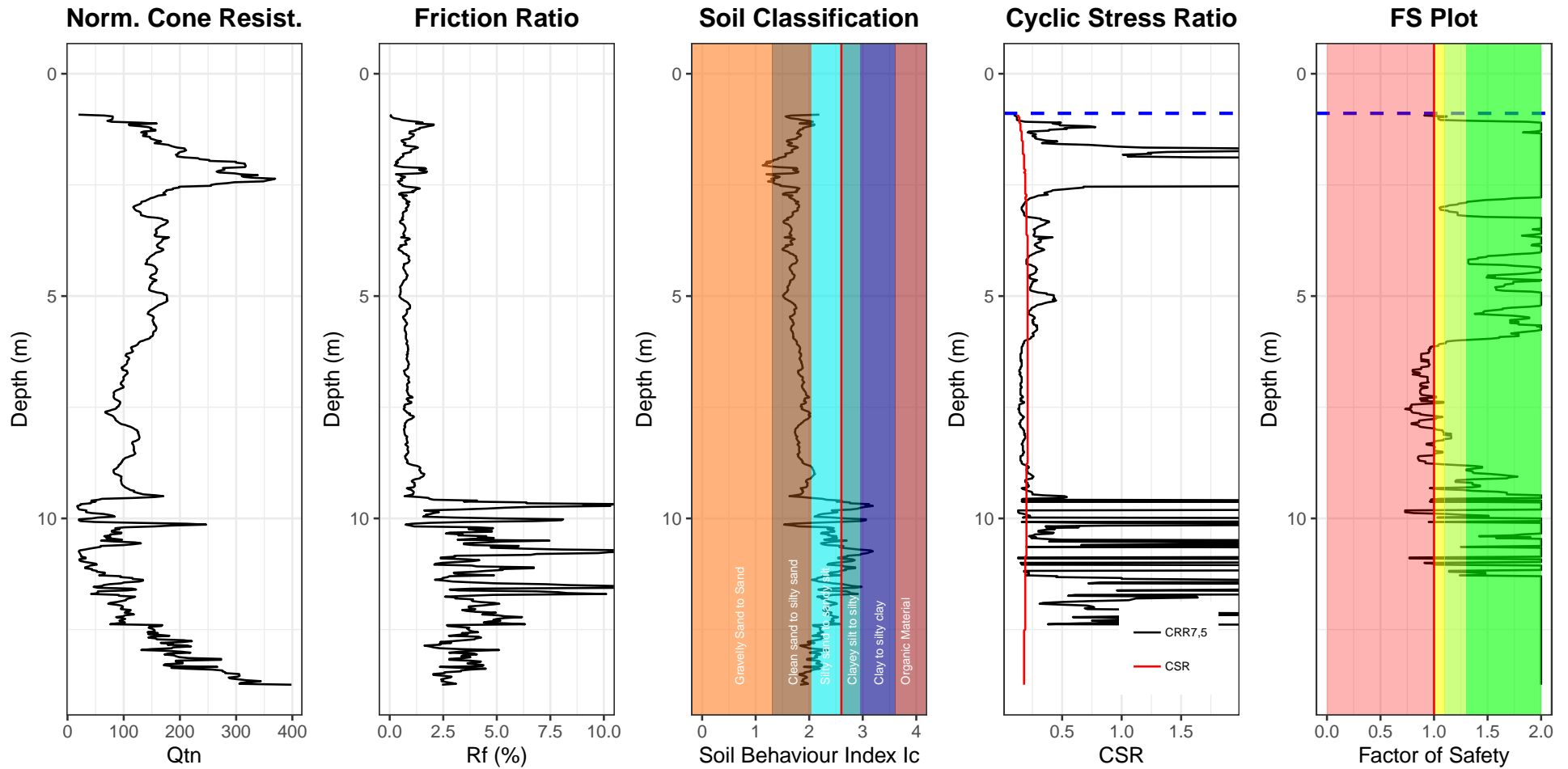
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 0.89
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620269 , 5428987

Raw Data Plots - CPT_171658



CPT_171658



Outputs for CPT_171658:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
42	2	8

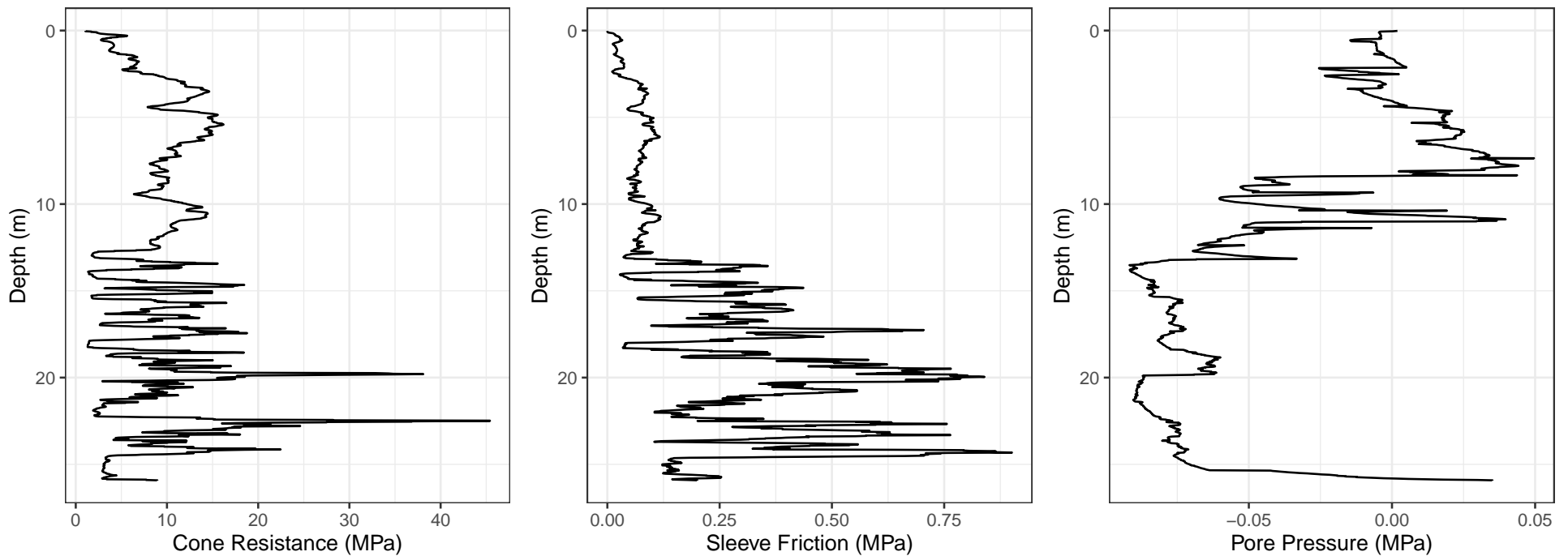
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

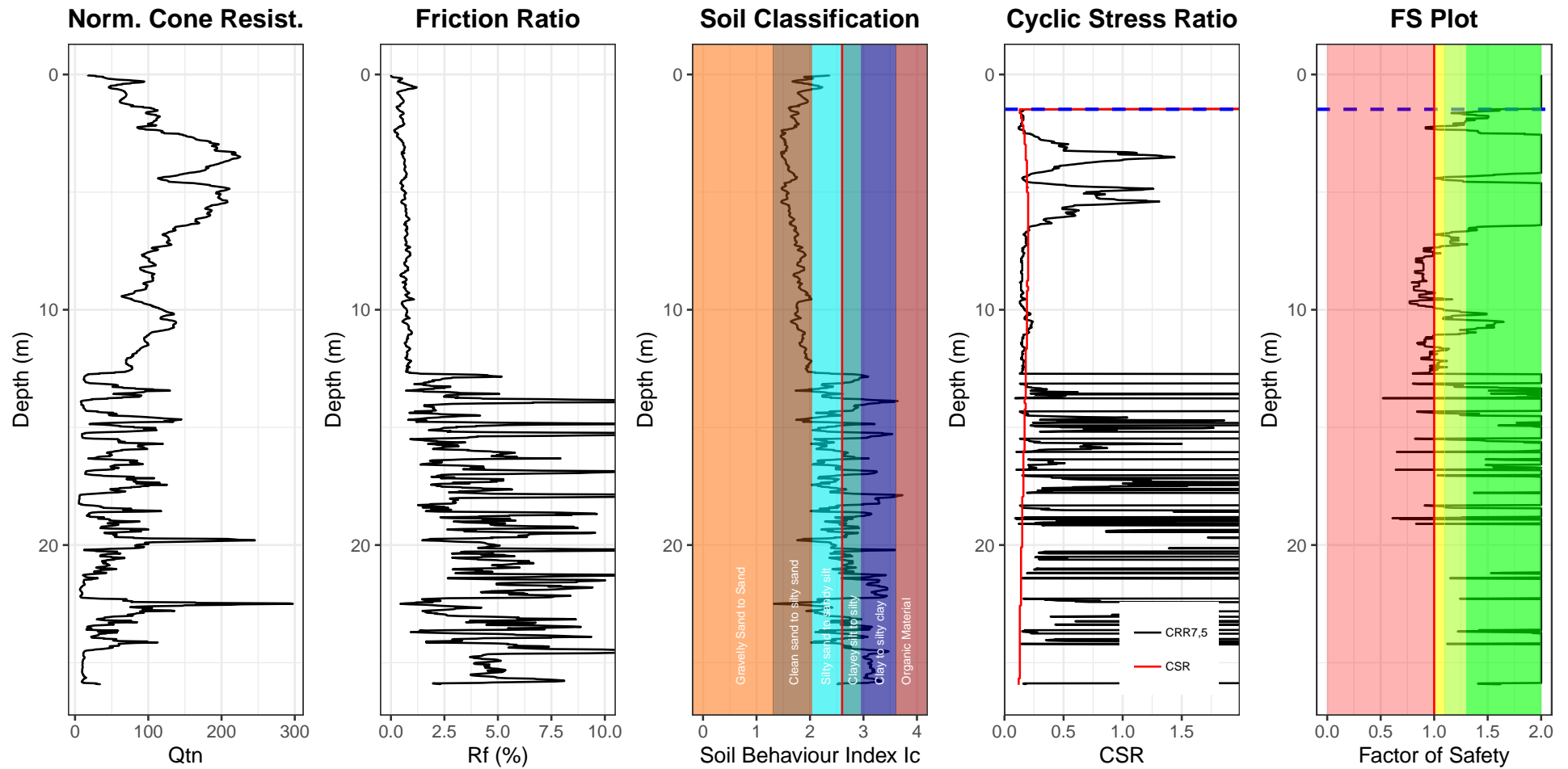
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.48
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619735 , 5428878

Raw Data Plots - CPT_171659



CPT_171659



Outputs for CPT_171659:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
74	2	9

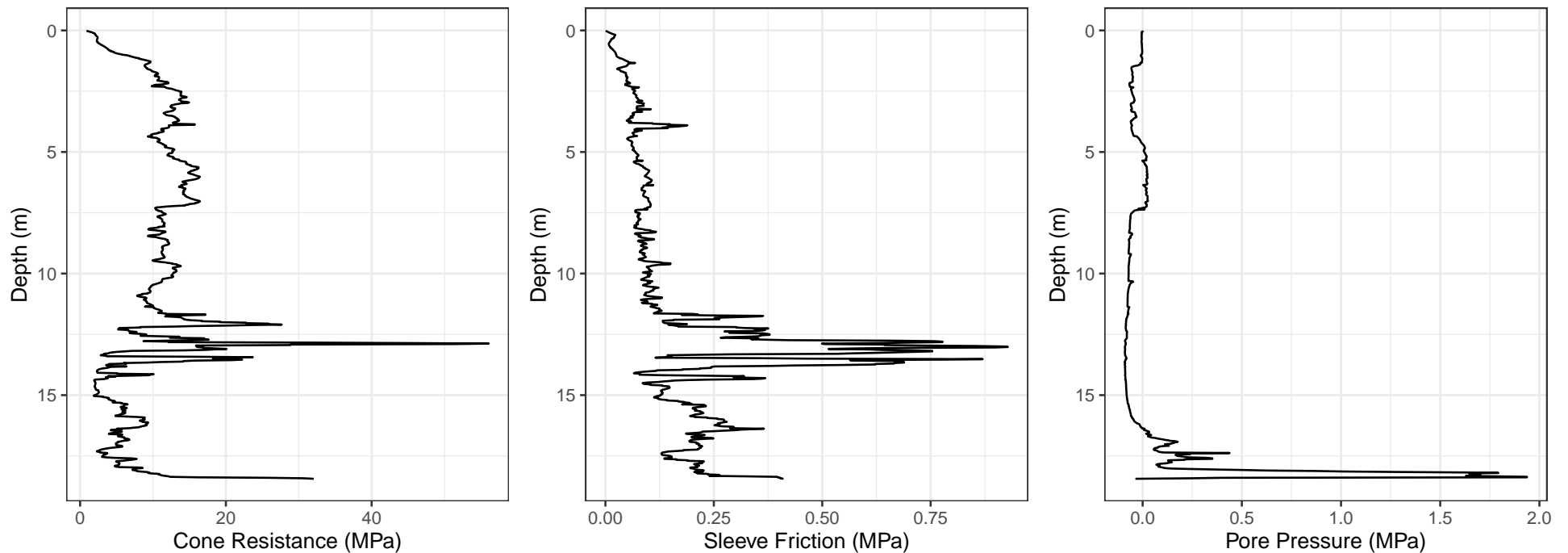
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

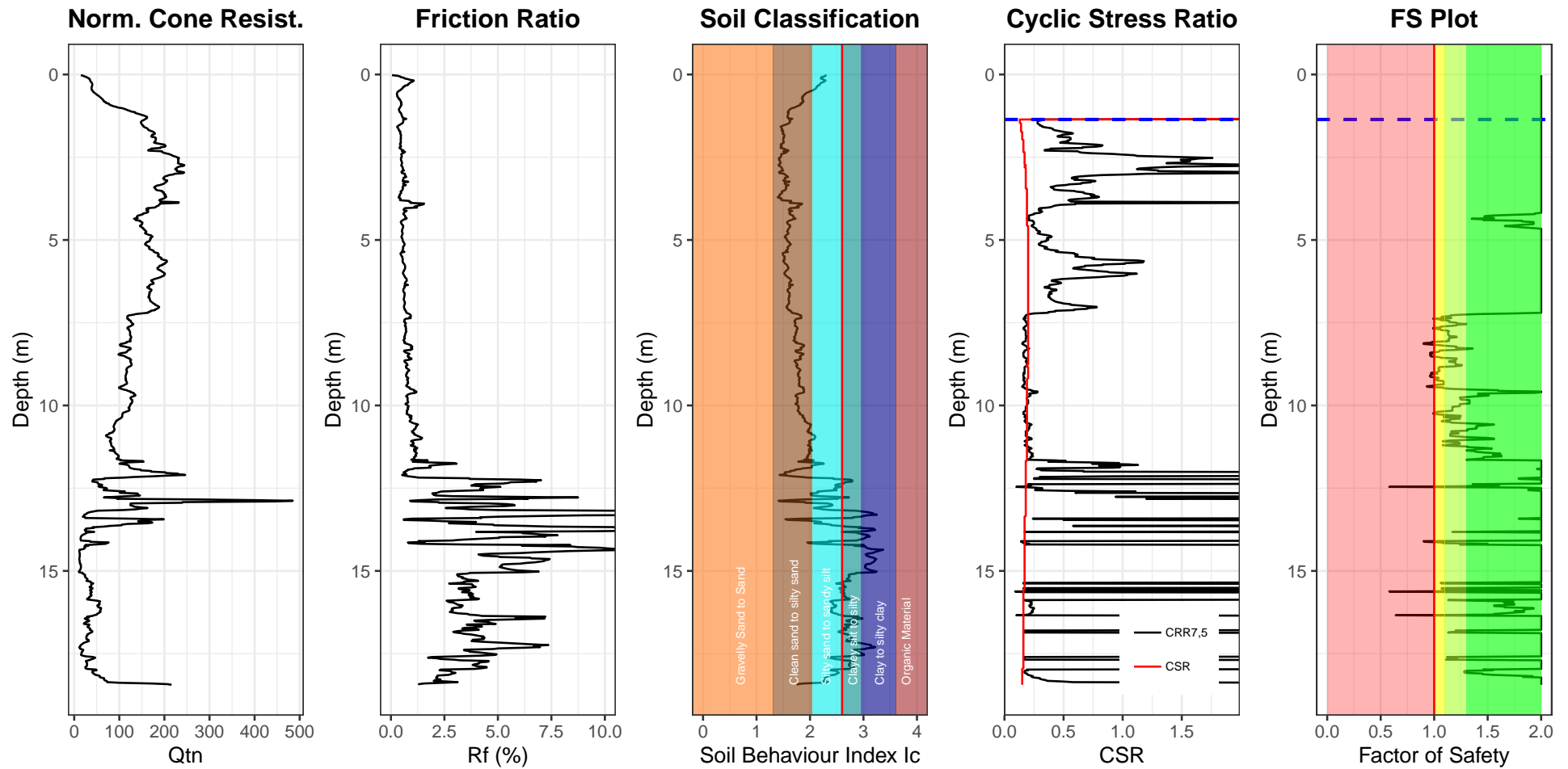
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 100yr	<i>Groundwater (m bgl) :</i>	1.36
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.2	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620242 , 5429364

Raw Data Plots - CPT_172821



CPT_172821



Outputs for CPT_172821:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
23	0	2

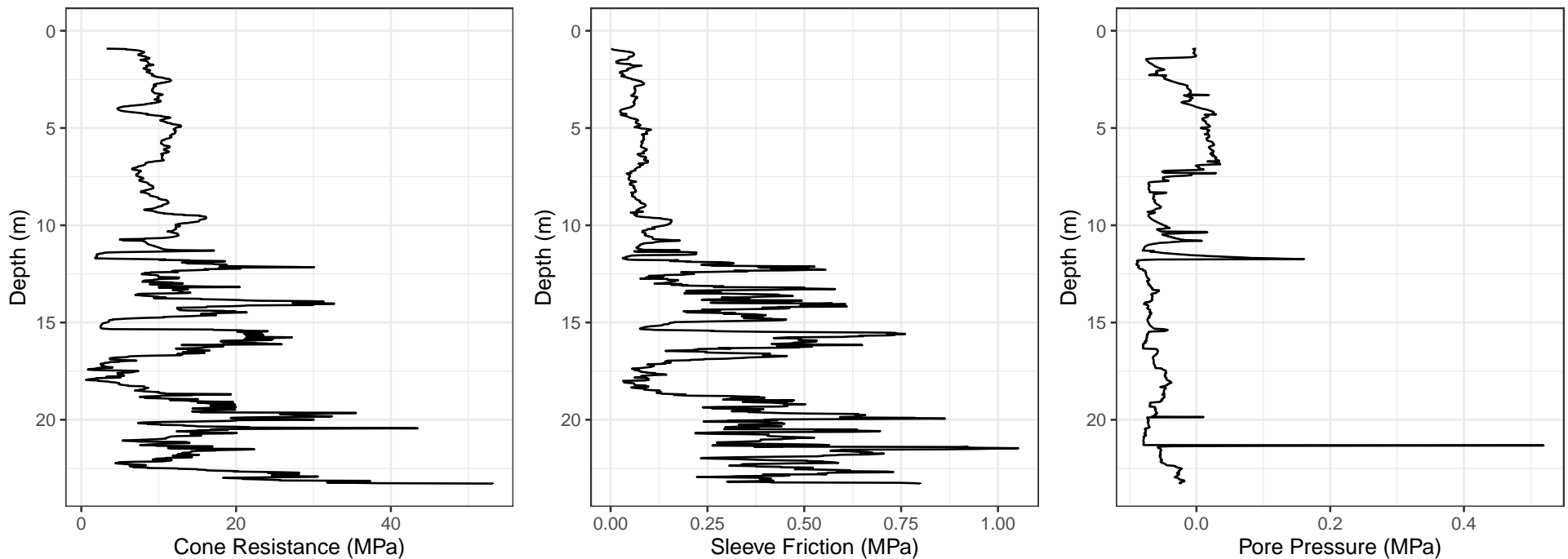
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

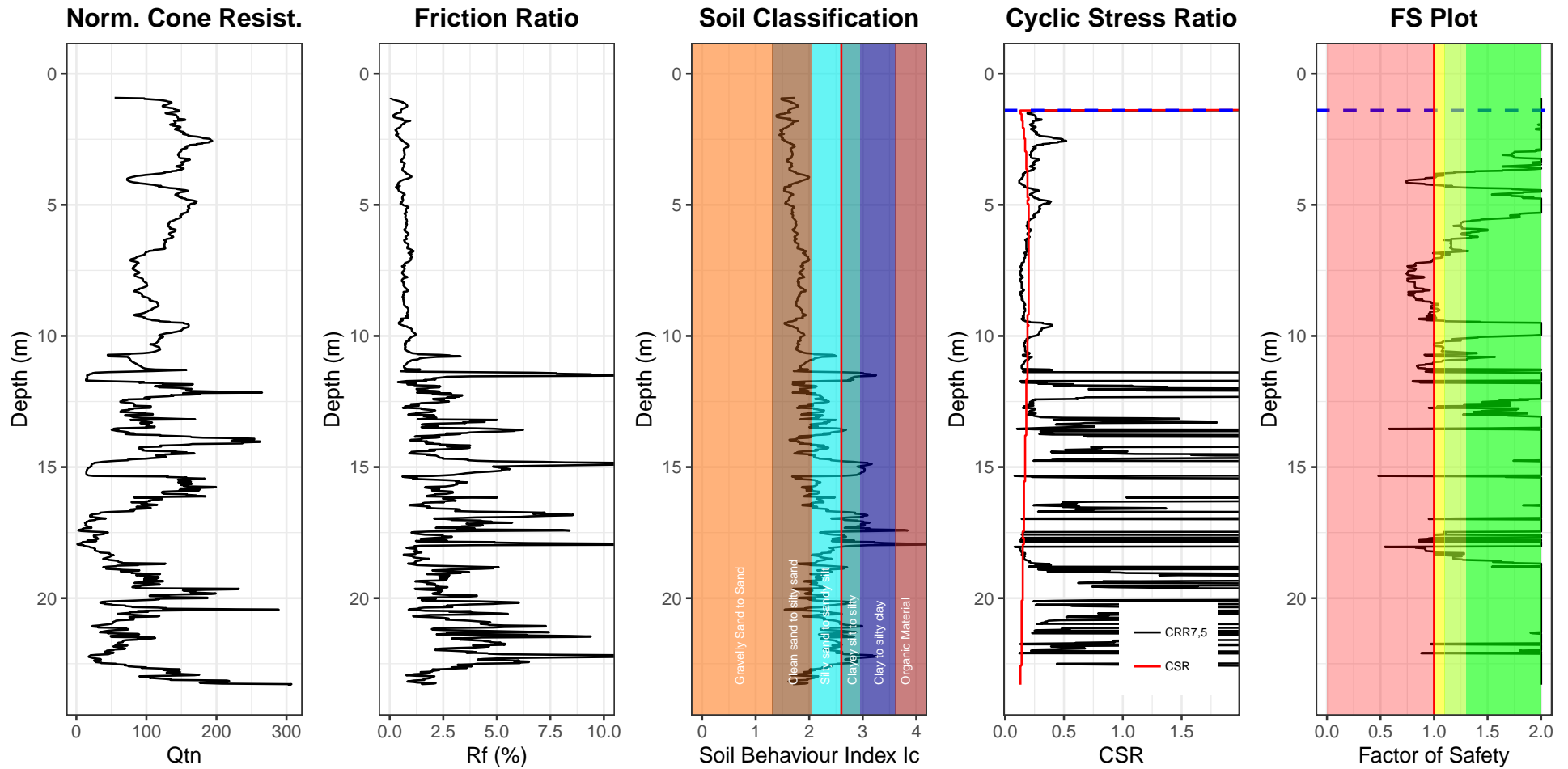
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 100yr	<i>Groundwater (m bgl) :</i> 1.4
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.2	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619797 , 5428662

Raw Data Plots - CPT_172822



CPT_172822



Outputs for CPT_172822:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
72	2	9

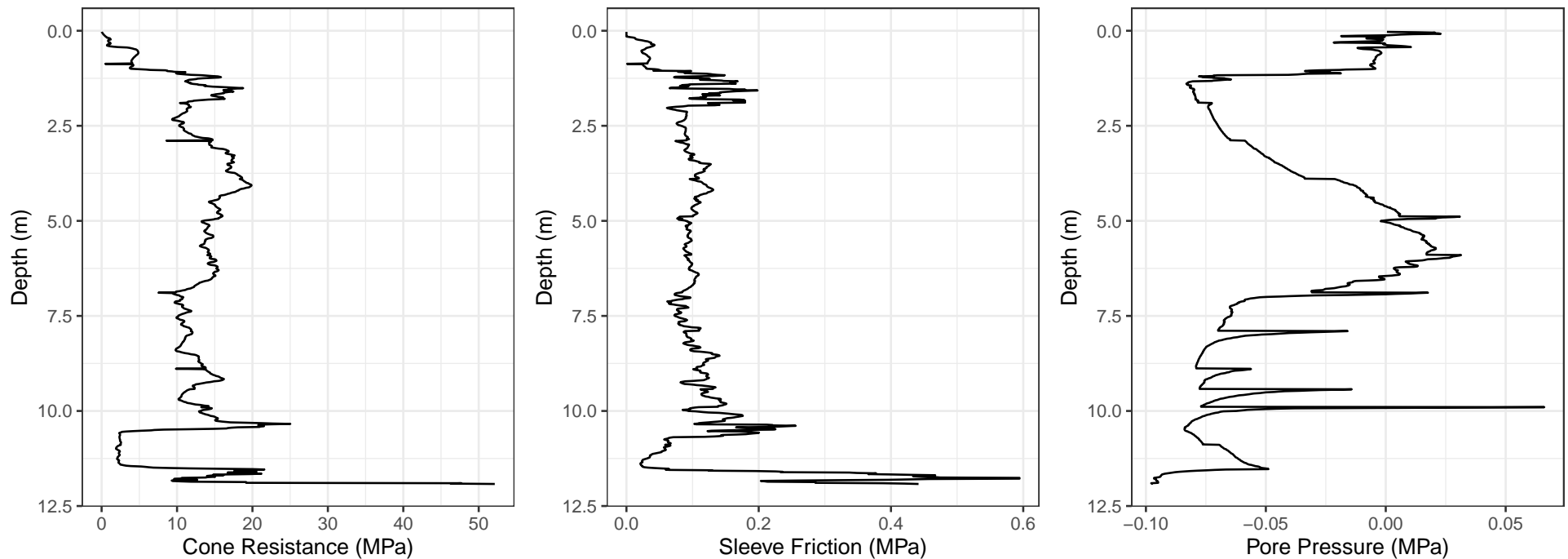
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

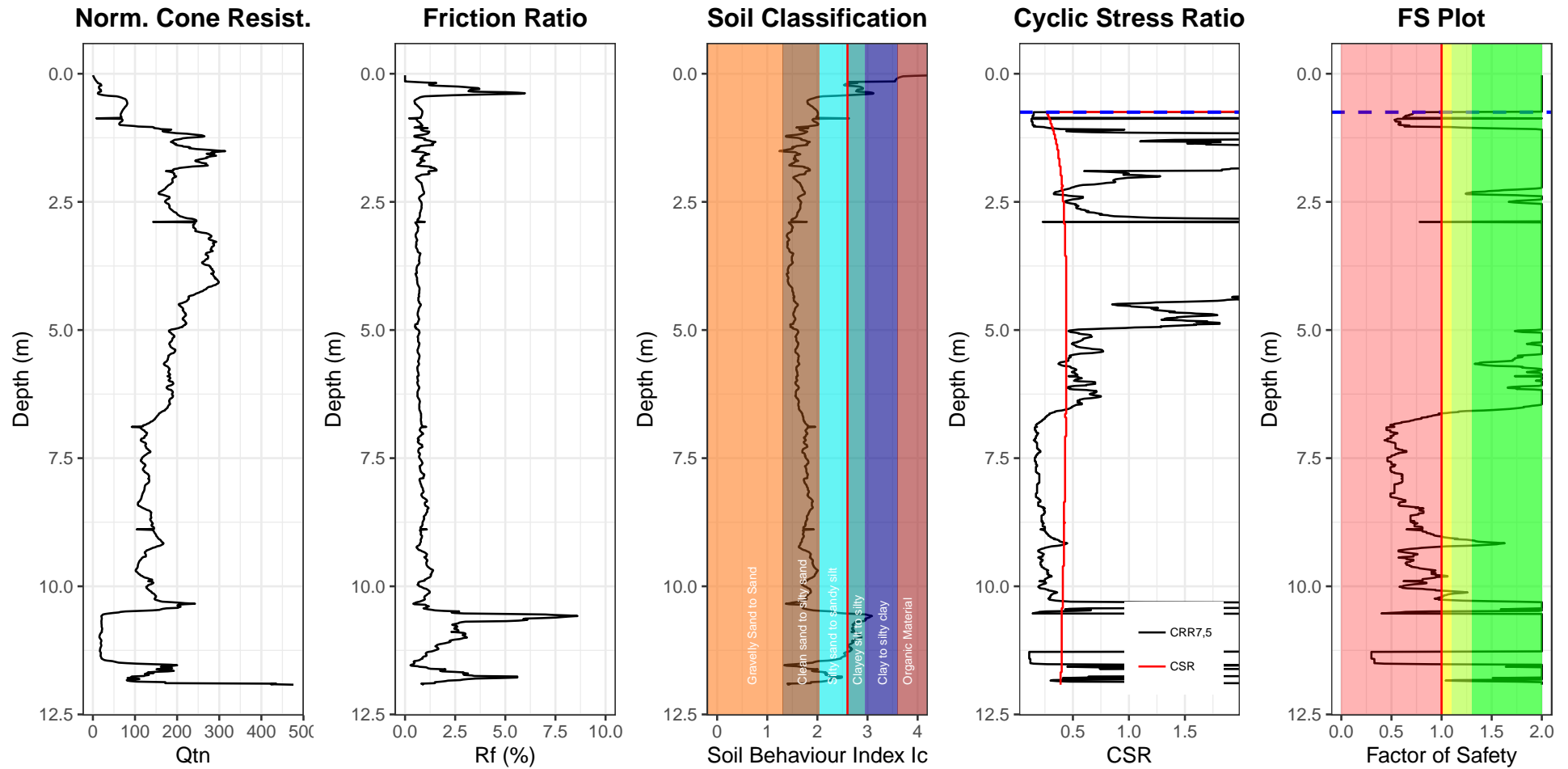
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	0.75
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.03
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620262 , 5429167

Raw Data Plots - CPT_105845



CPT_105845



Outputs for CPT_105845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
70	9	15

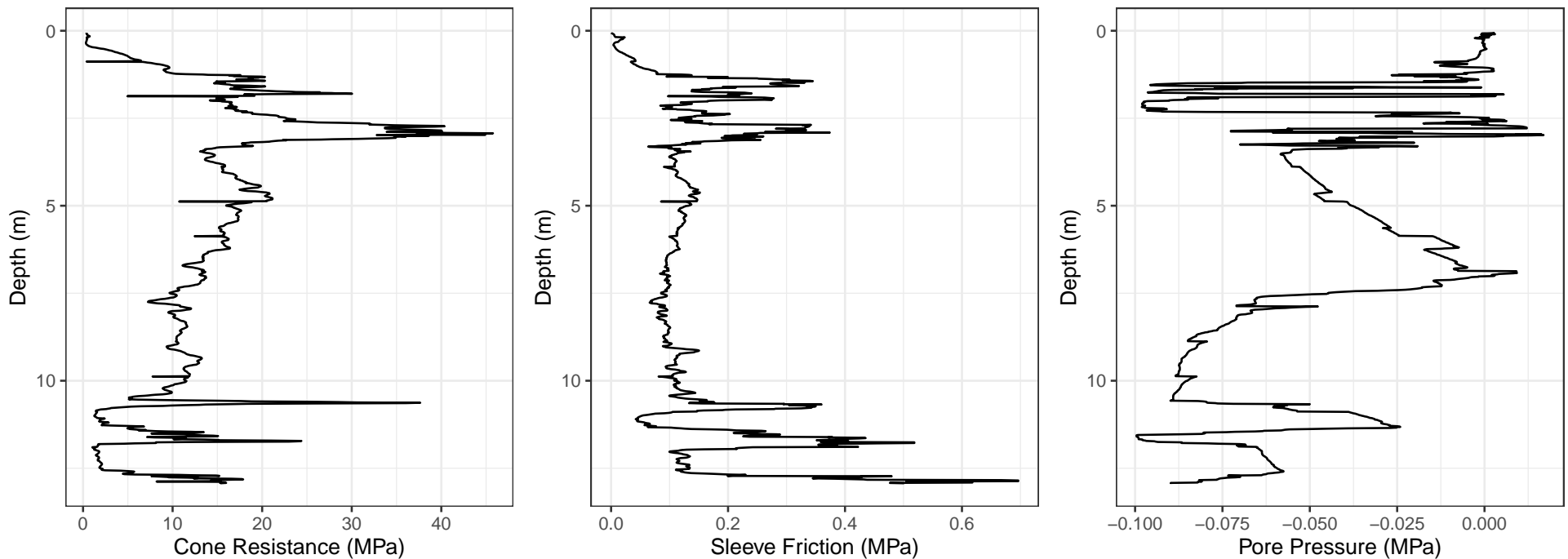
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

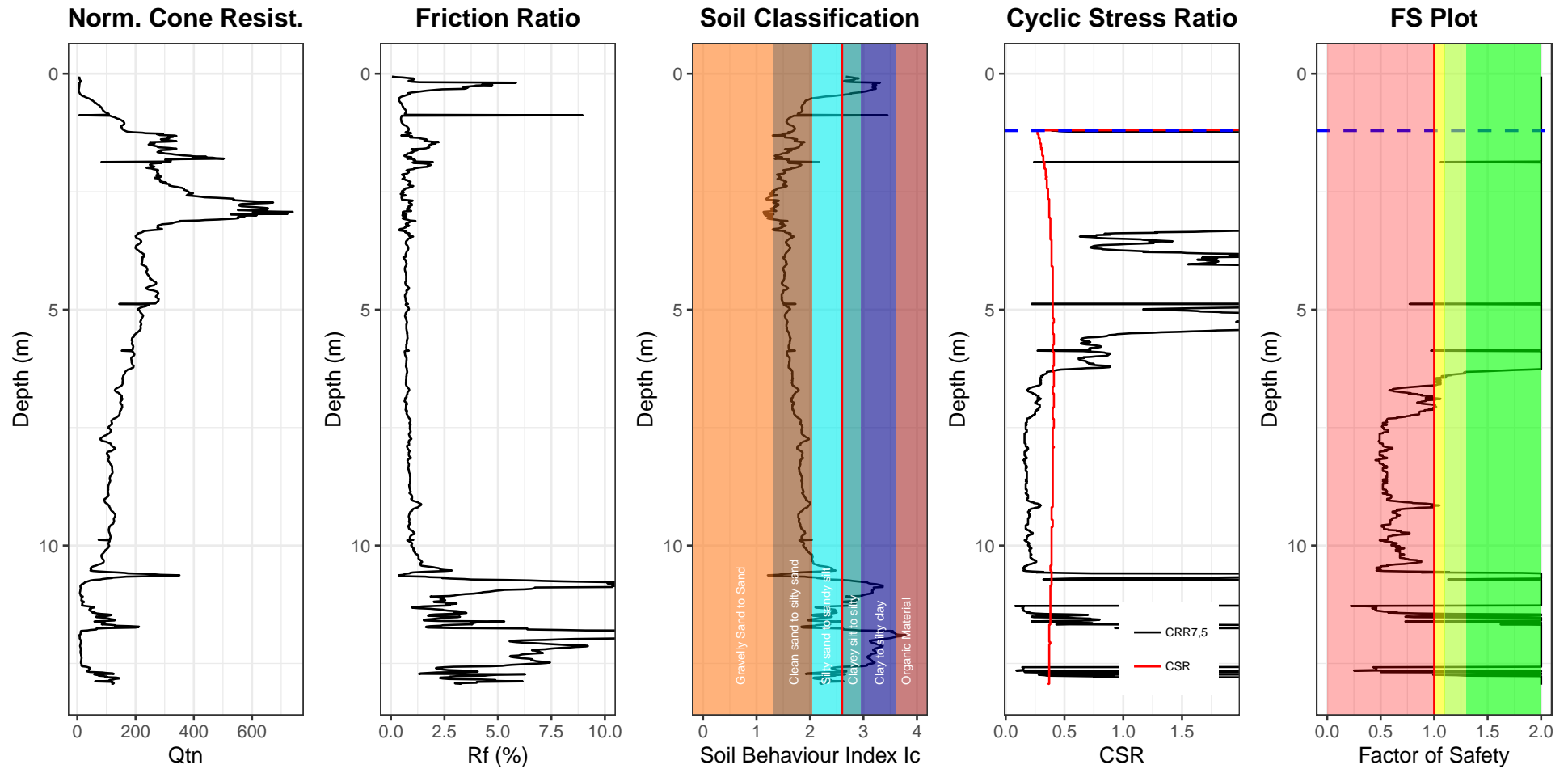
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.06
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620280 , 5429196

Raw Data Plots - CPT_105847



CPT_105847



Outputs for CPT_105847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
77	9	9

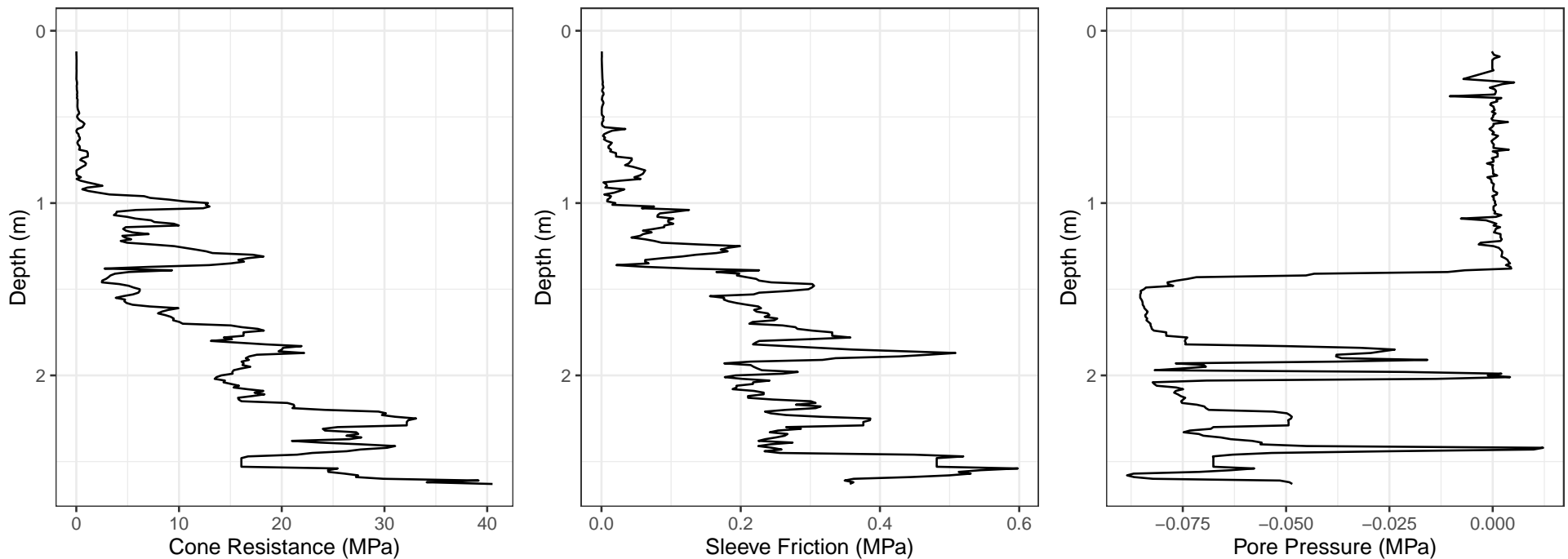
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

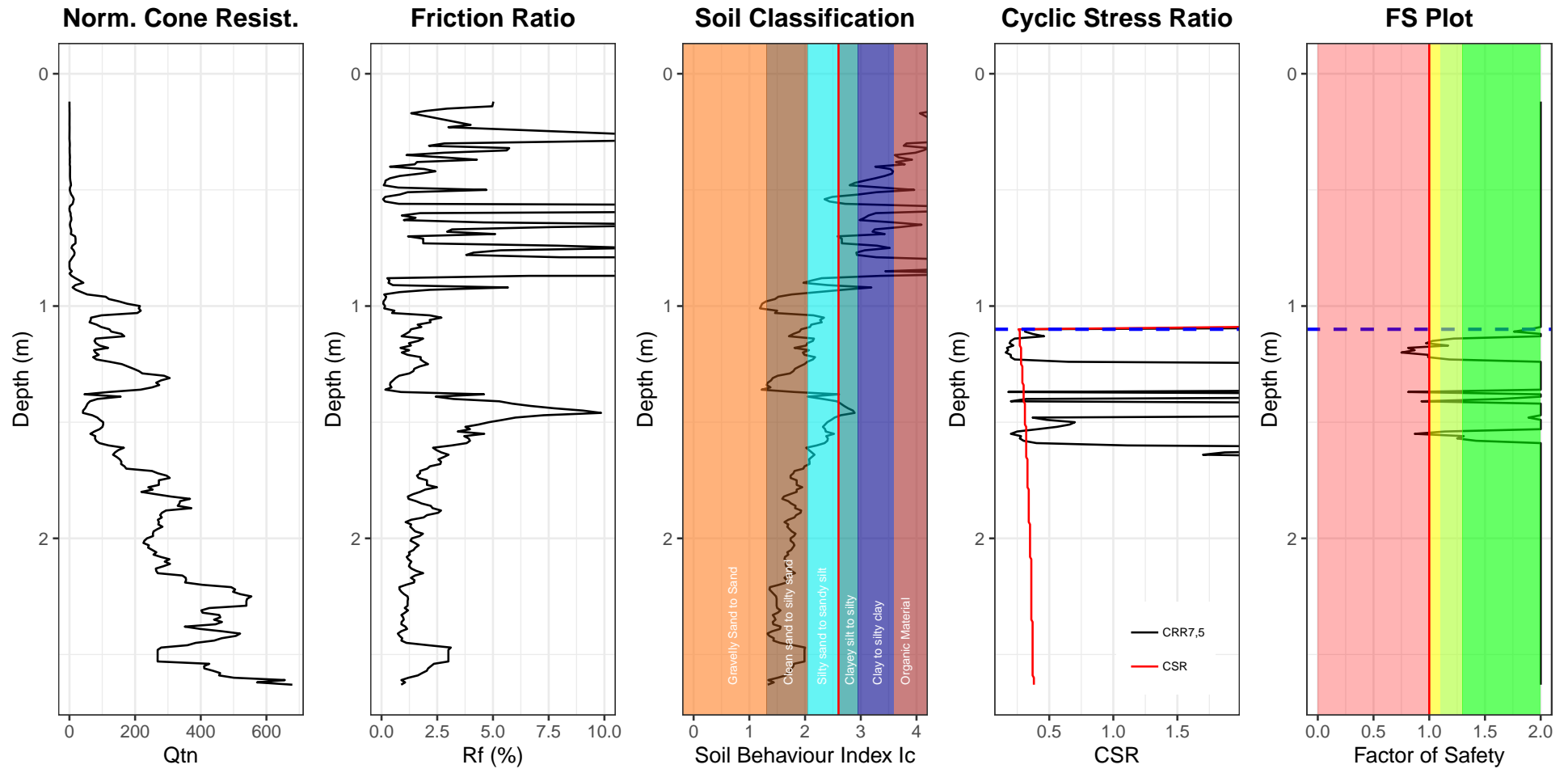
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.1
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.12
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620649 , 5429336

Raw Data Plots - CPT_105955



CPT_105955



Outputs for CPT_105955:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	1

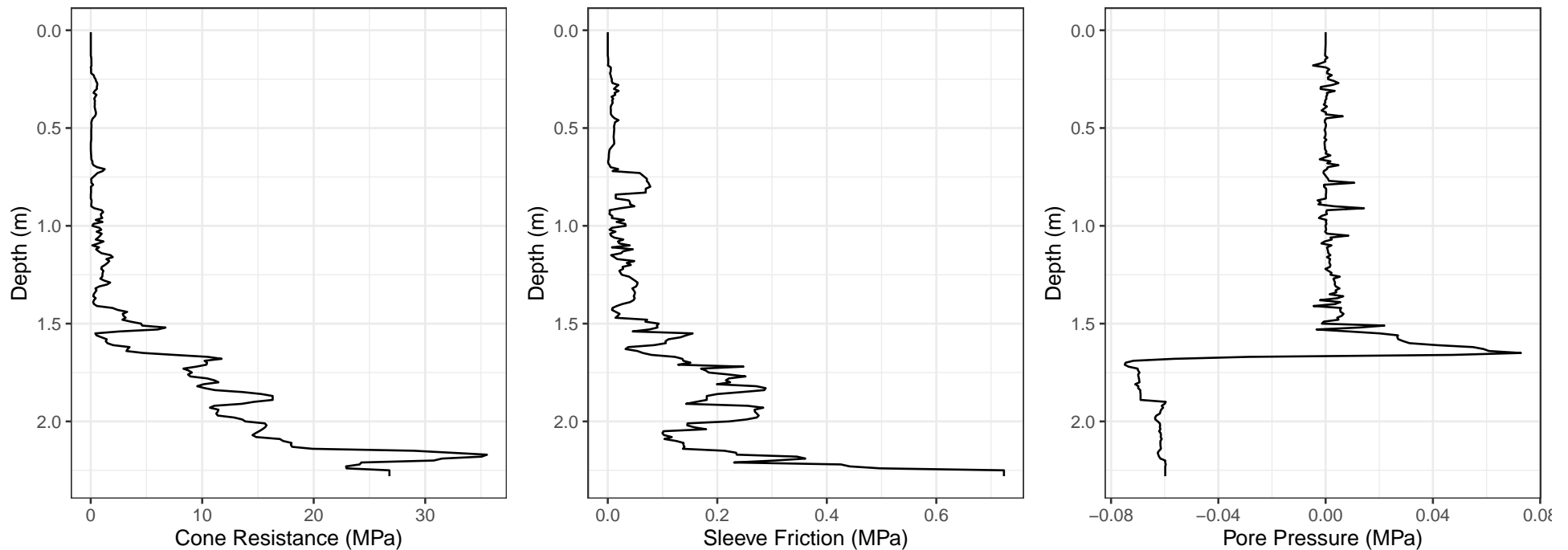
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

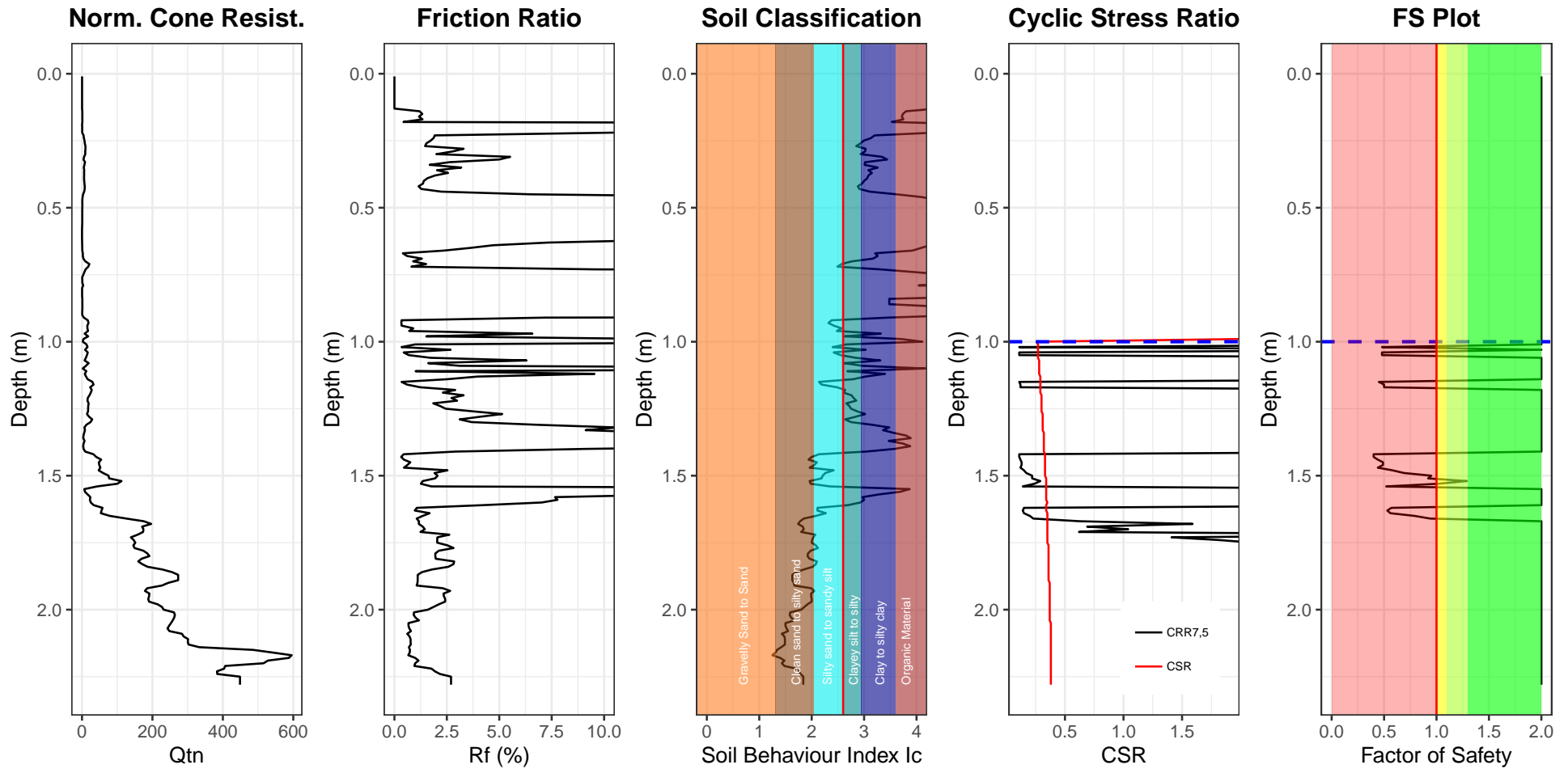
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620669 , 5429350

Raw Data Plots - CPT_105956



CPT_105956



Outputs for CPT_105956:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
5	1	4

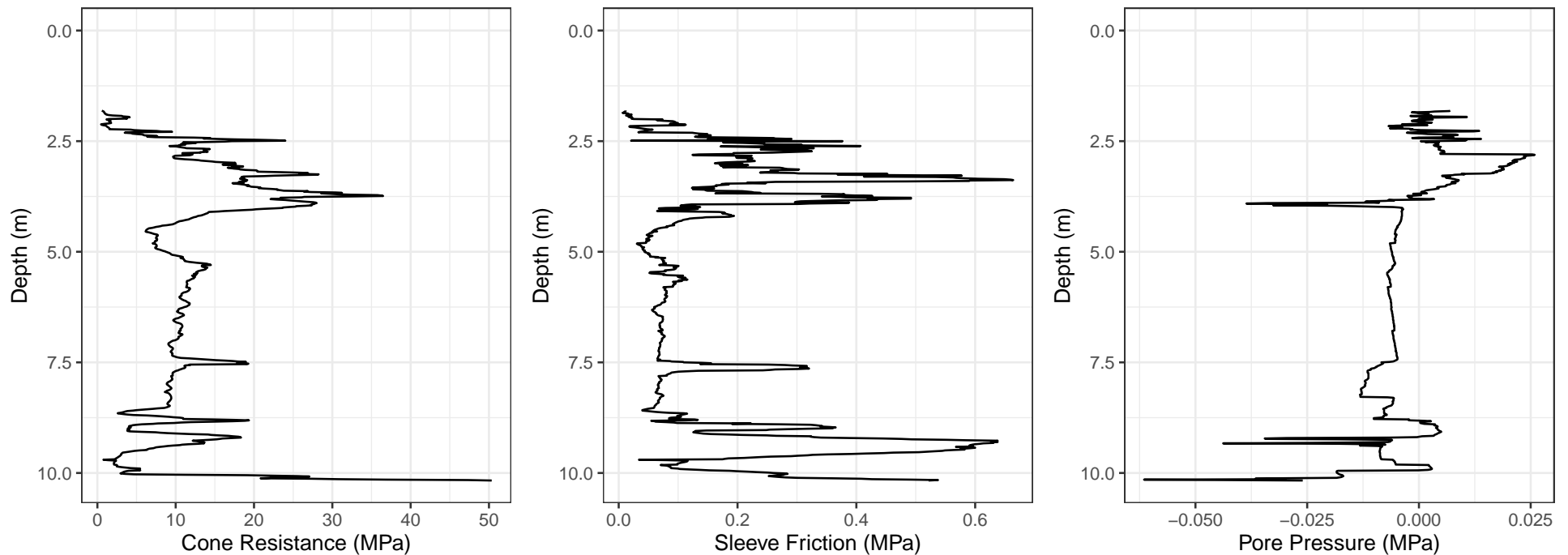
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

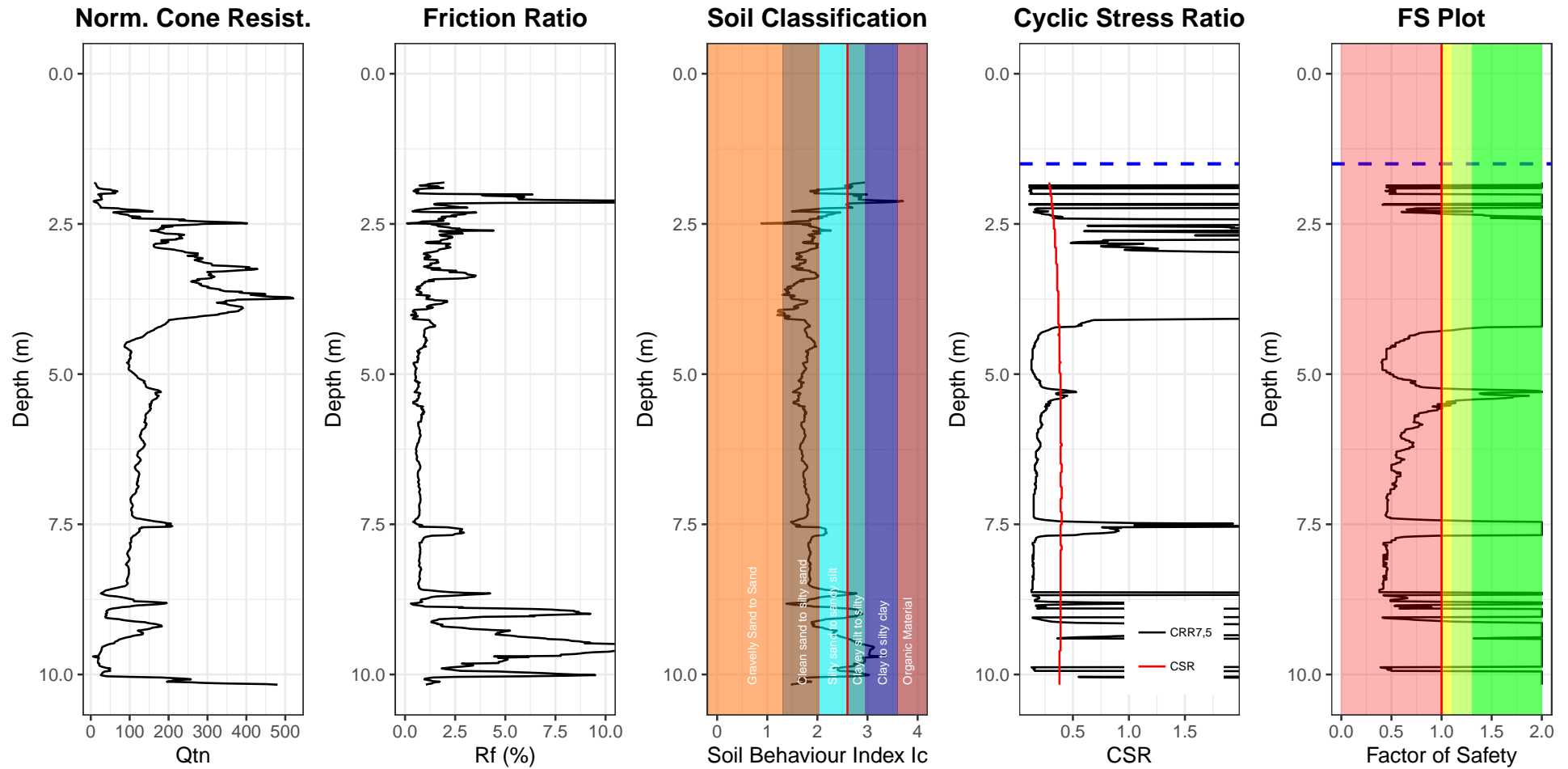
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.81
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620253 , 5428658

Raw Data Plots - CPT_115930



CPT_115930



Outputs for CPT_115930:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
88	13	16

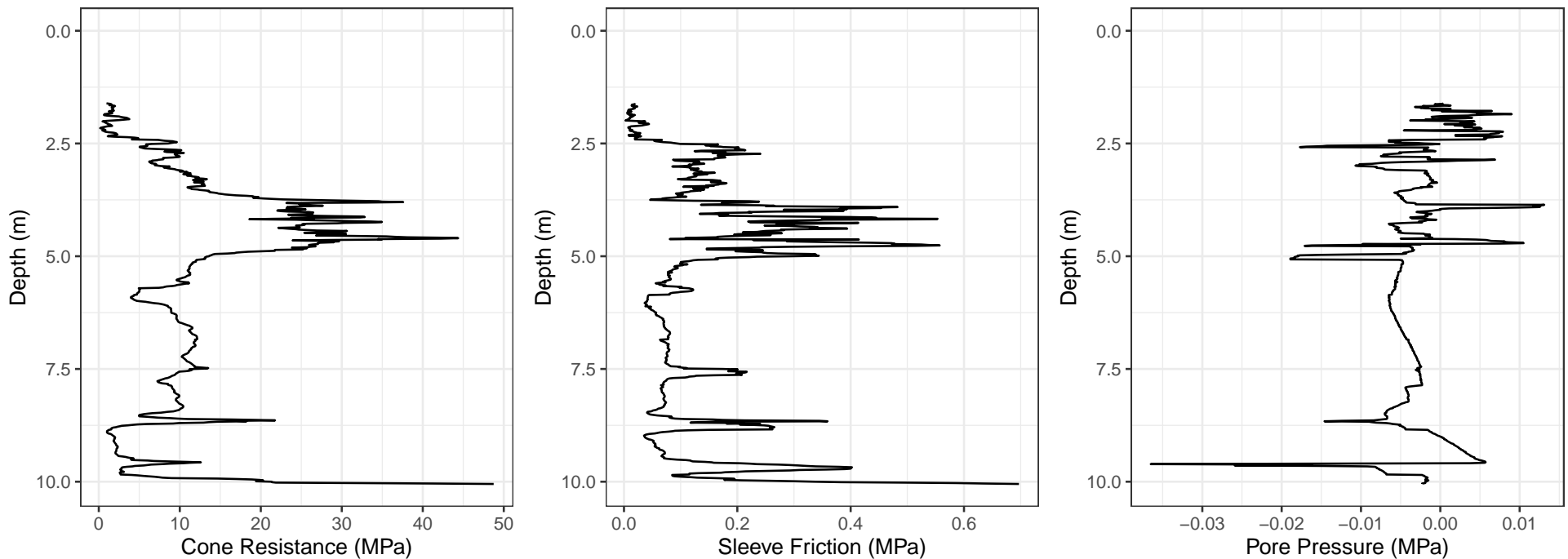
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

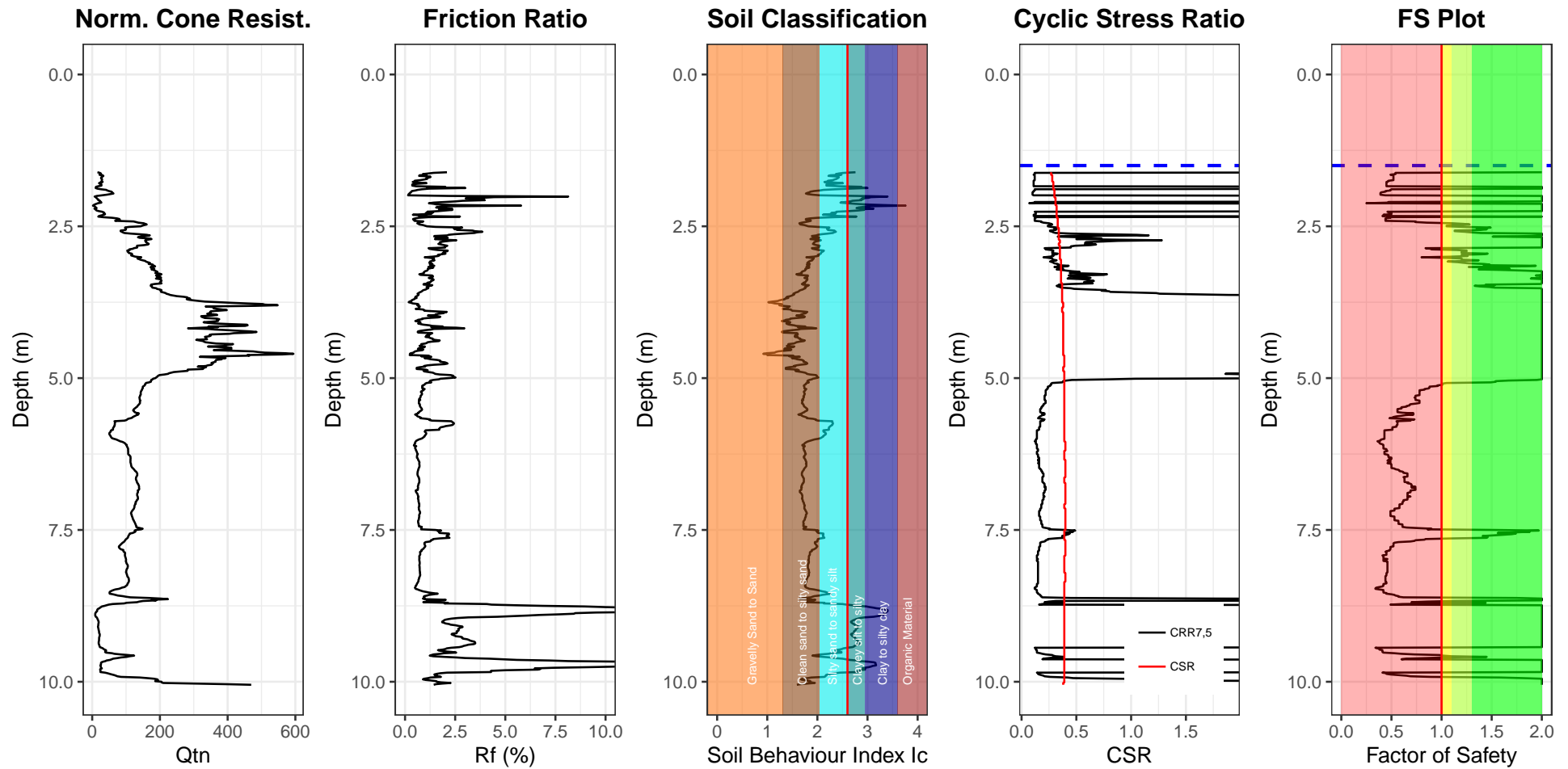
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.61
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620252 , 5428671

Raw Data Plots - CPT_115932



CPT_115932



Outputs for CPT_115932:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
90	13	19

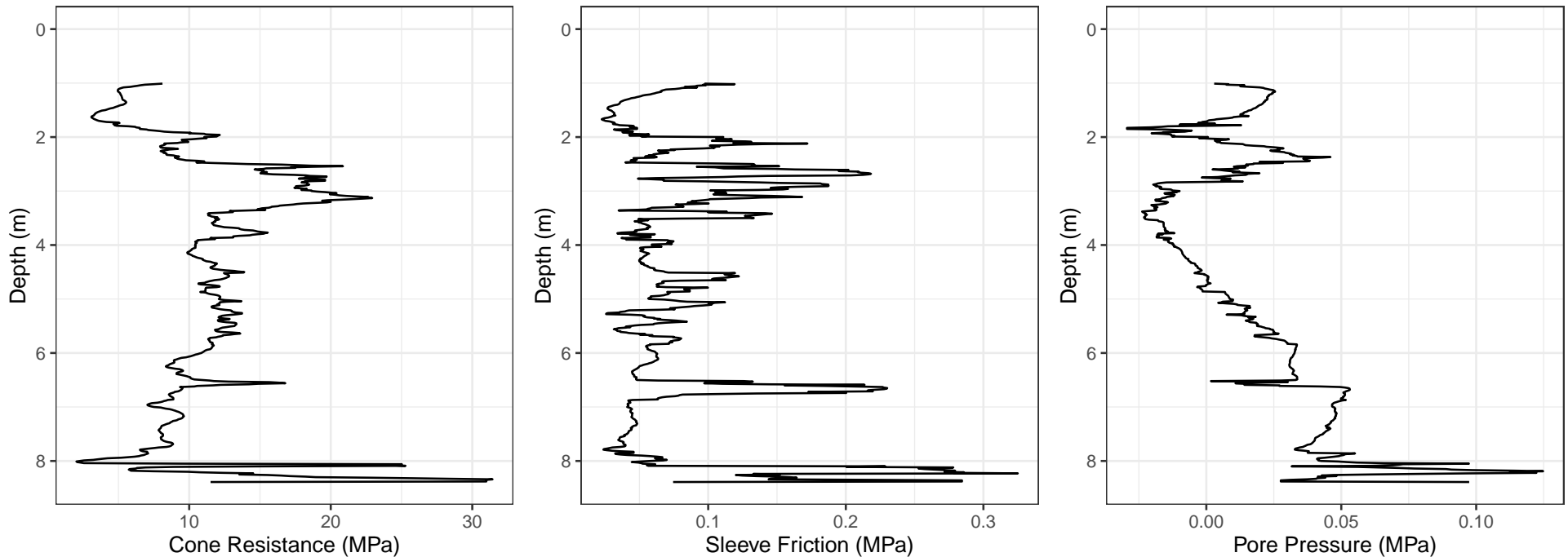
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

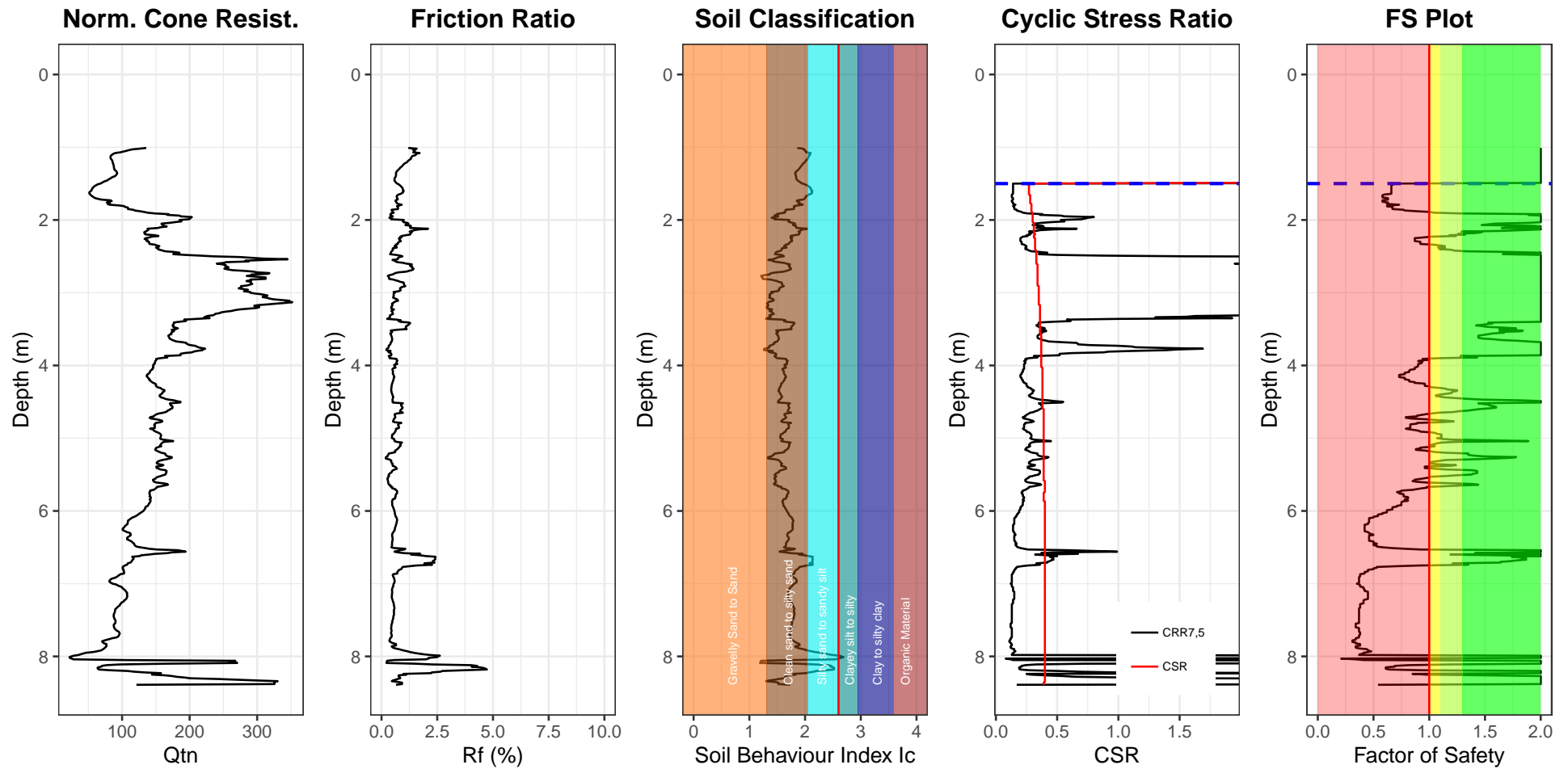
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620186 , 5428667

Raw Data Plots - CPT_115933



CPT_115933



Outputs for CPT_115933:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
70	9	15

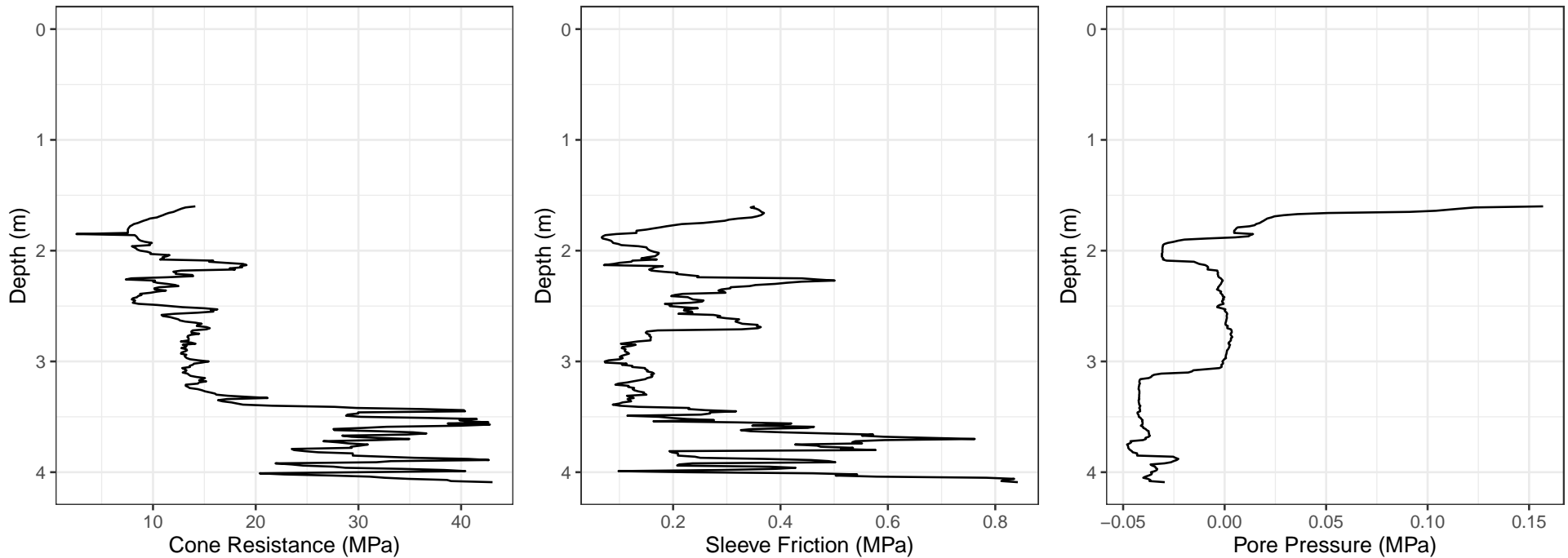
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

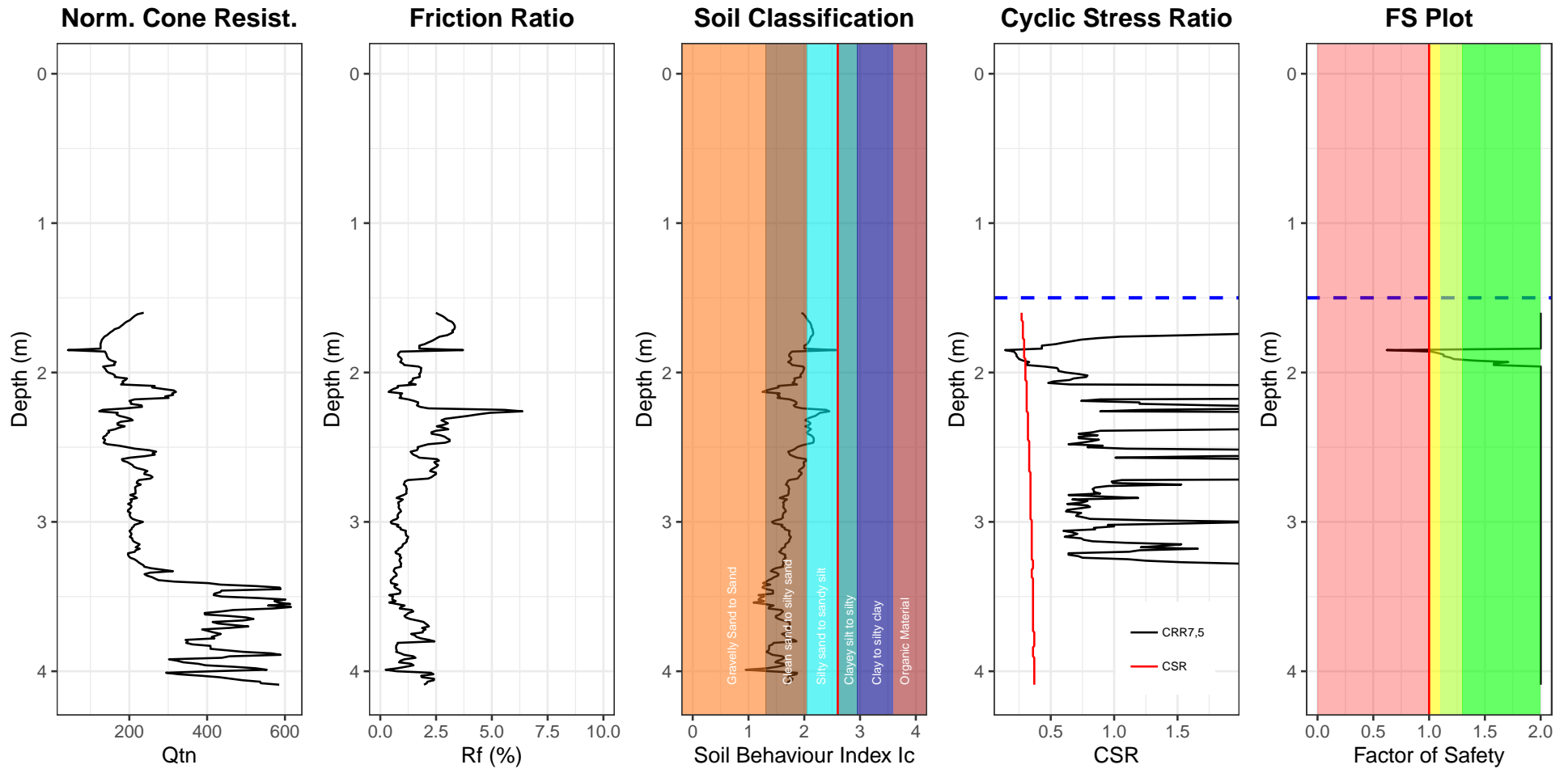
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.6
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620236 , 5428661

Raw Data Plots - CPT_115934



CPT_115934



Outputs for CPT_115934:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

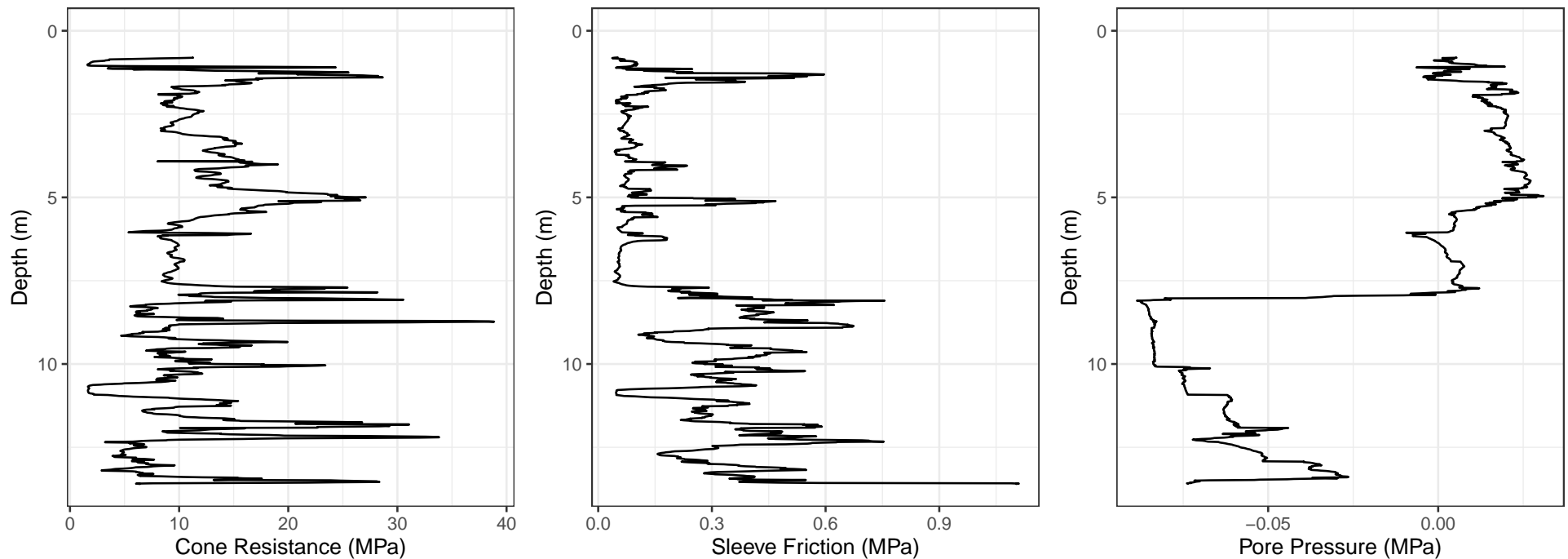
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

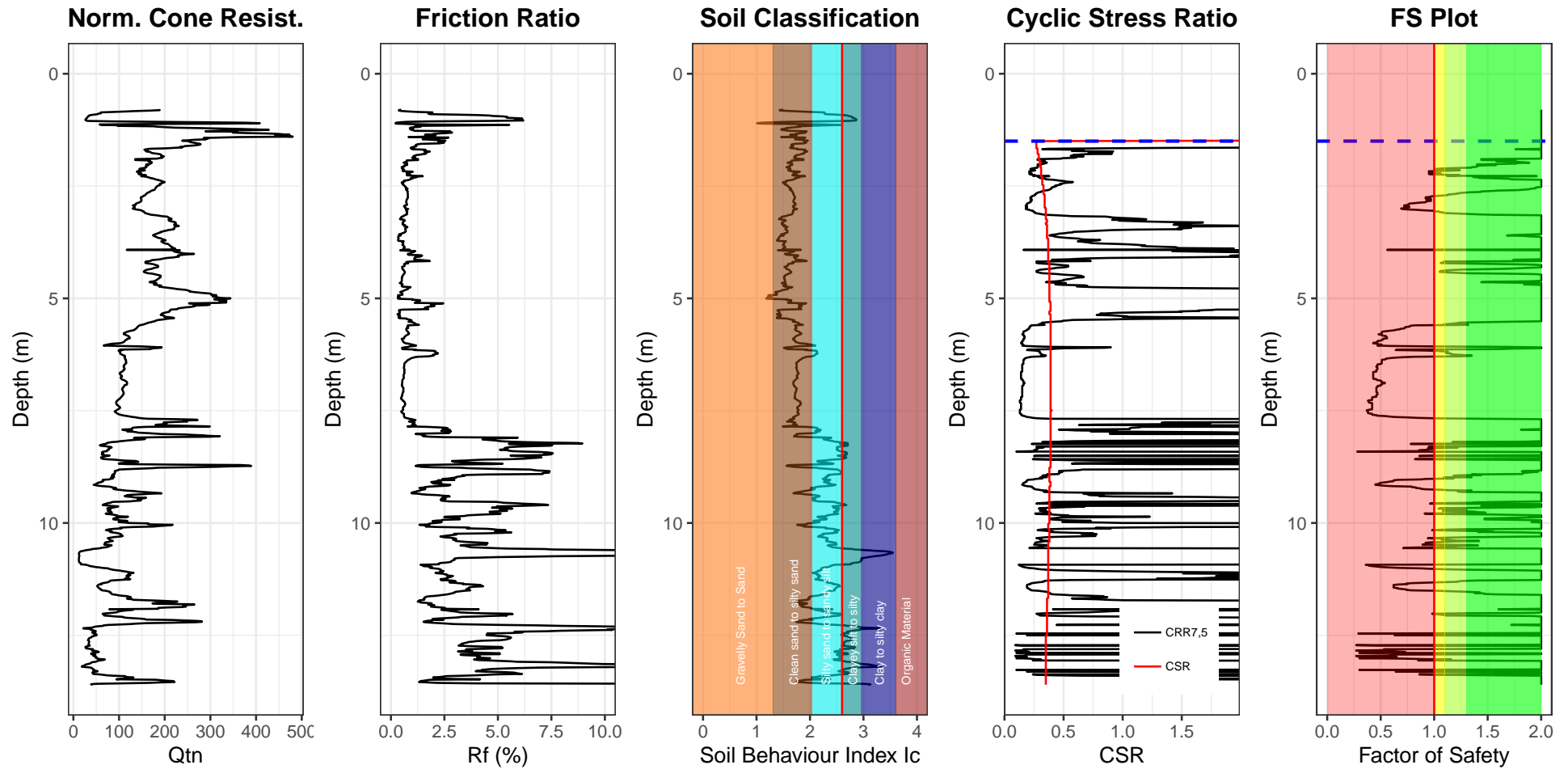
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.5
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.8
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620191 , 5428625

Raw Data Plots - CPT_115935



CPT_115935



Outputs for CPT_115935:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
68	8	10

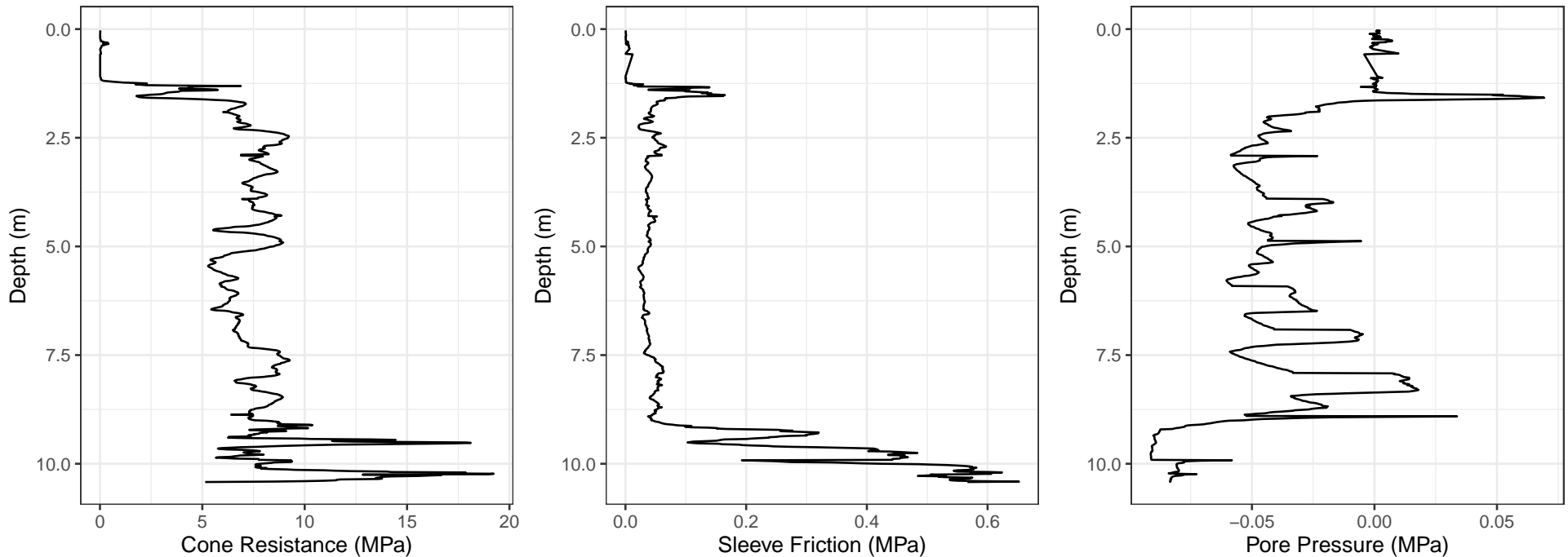
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

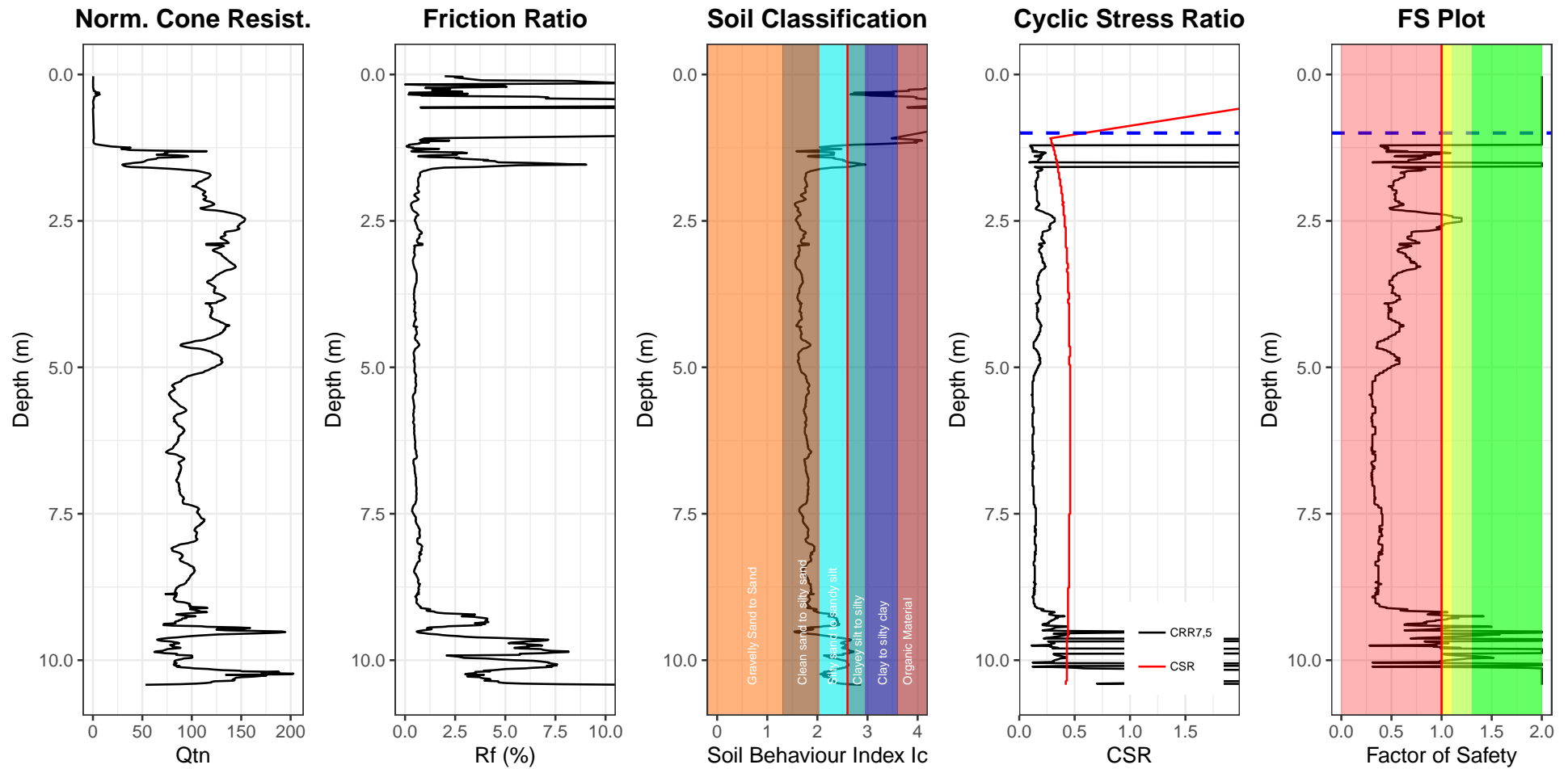
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Assumed
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619577 , 5428012

Raw Data Plots - CPT_121436



CPT_121436



Outputs for CPT_121436:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
177	30	41

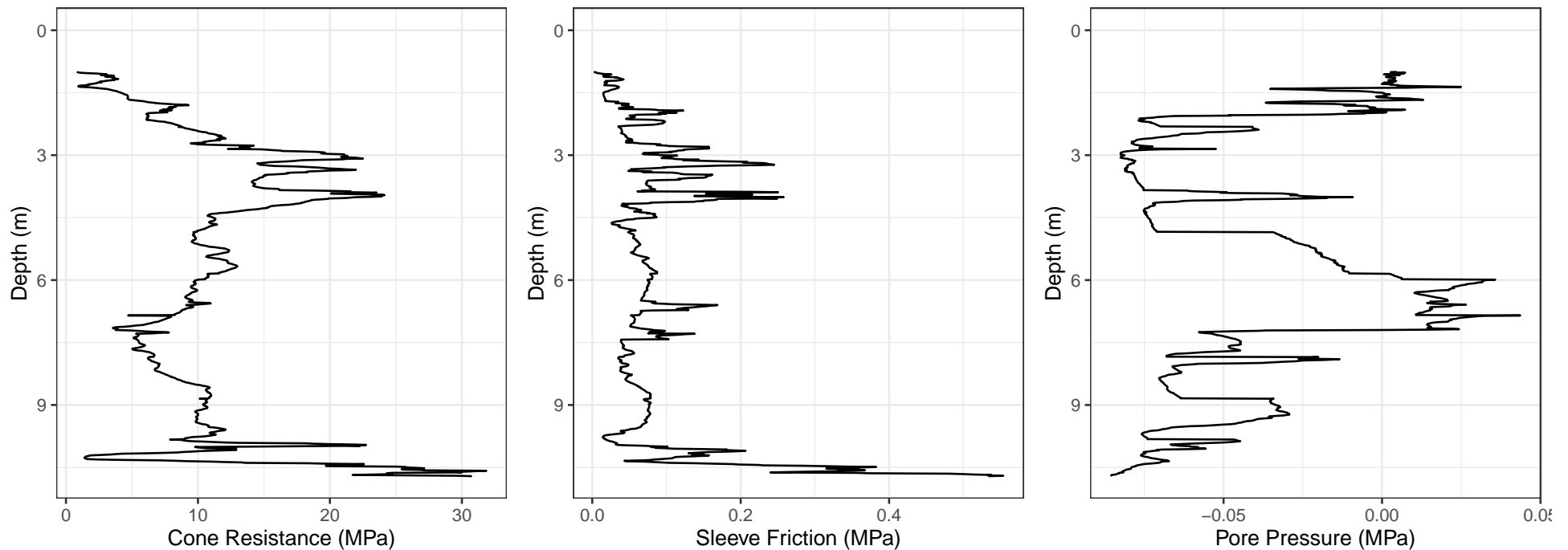
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

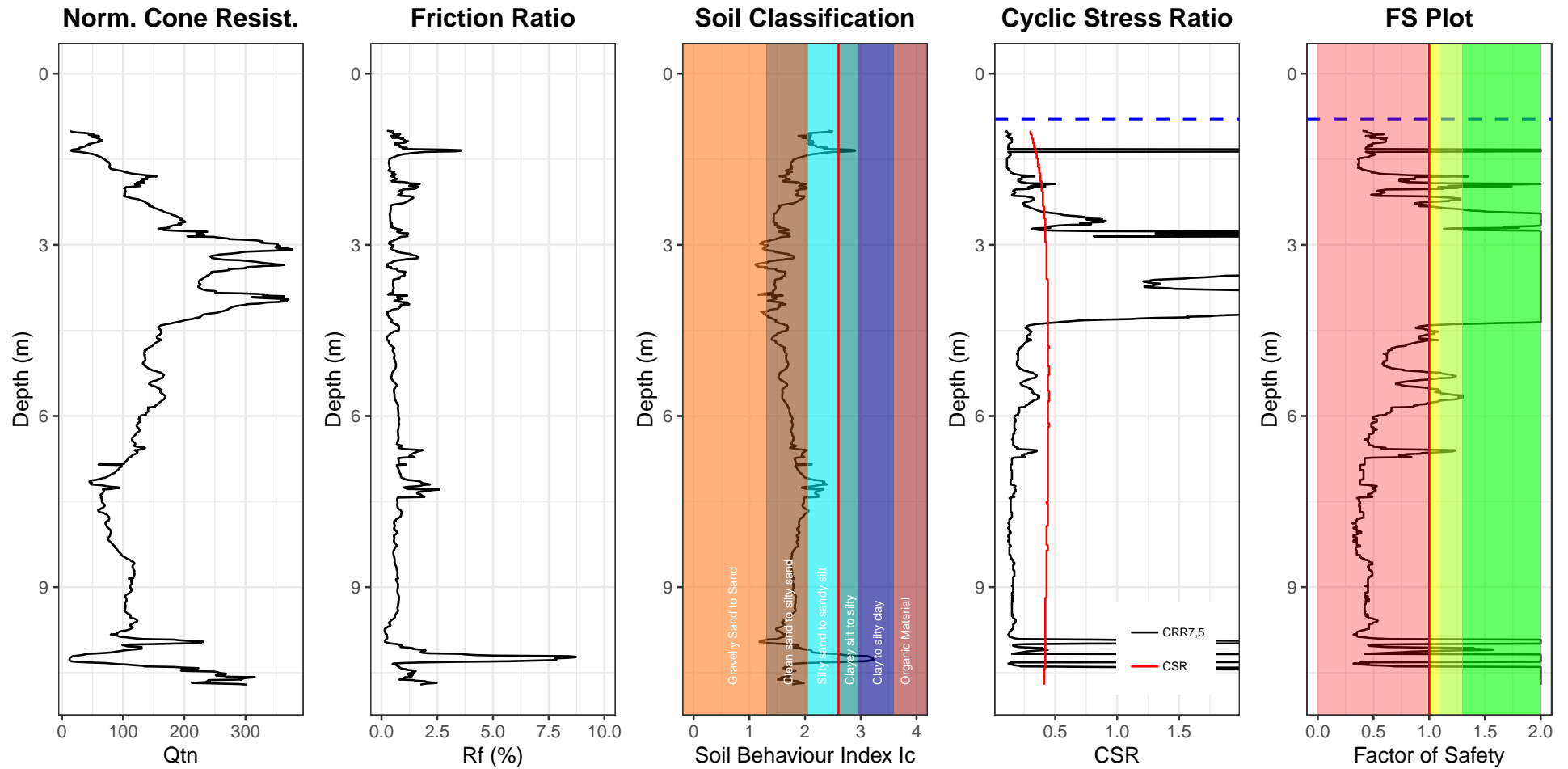
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620067 , 5428772

Raw Data Plots - CPT_121437



CPT_121437



Outputs for CPT_121437:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
130	20	31

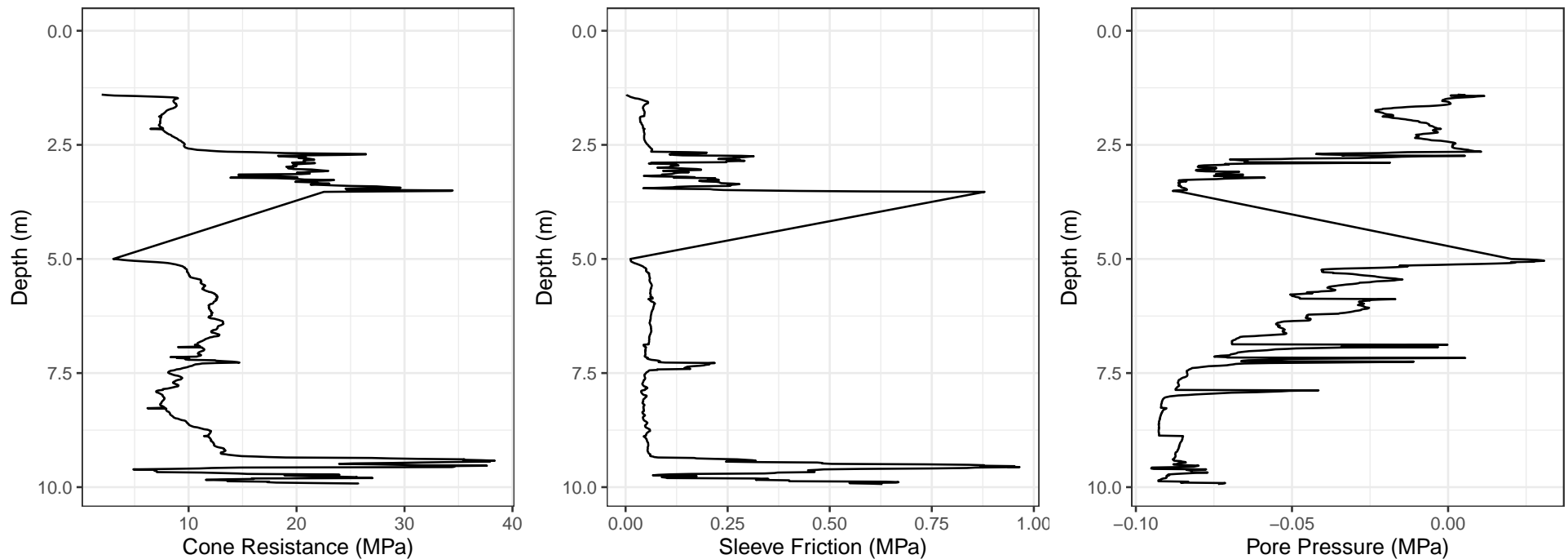
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

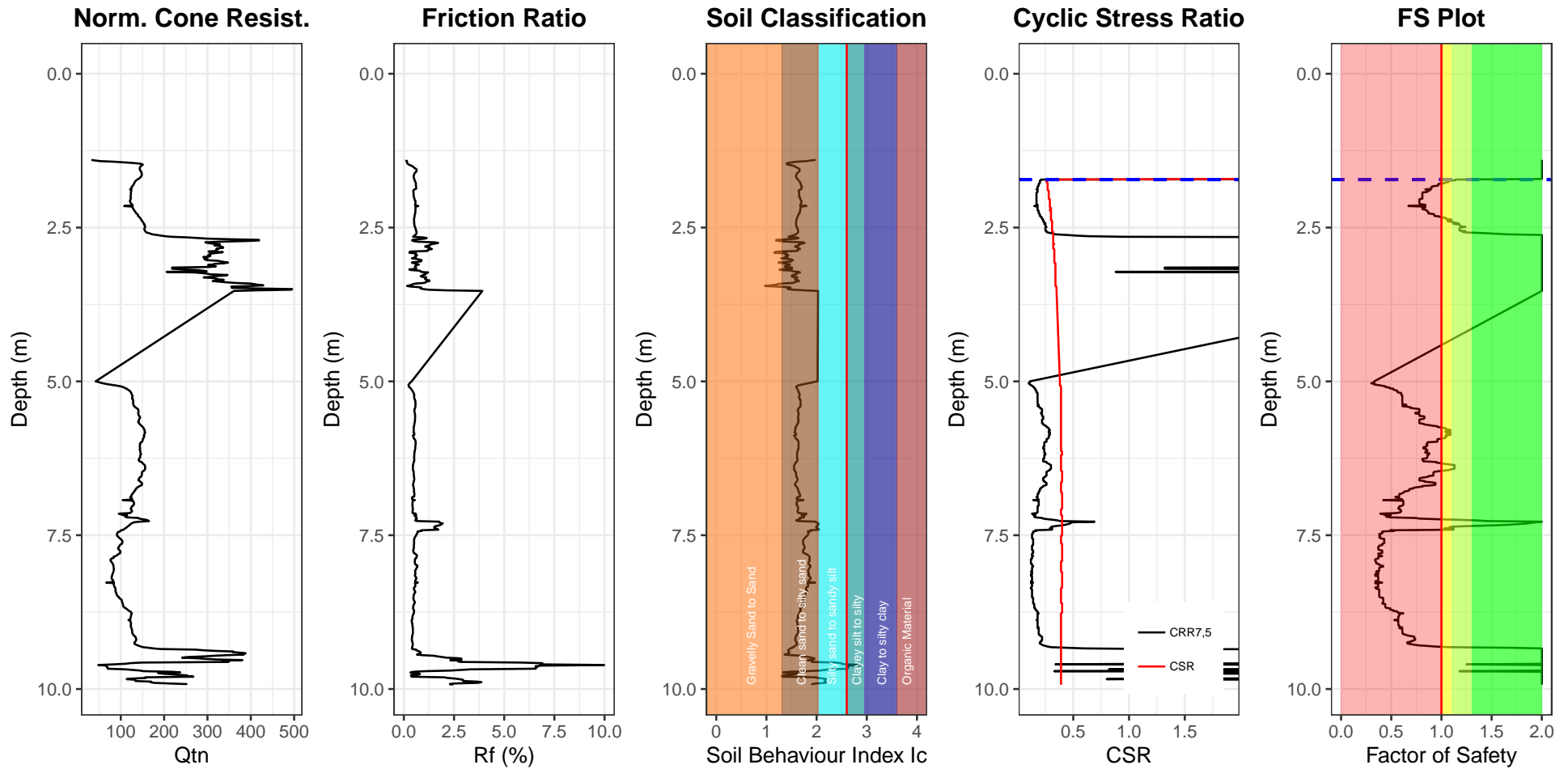
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.72
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620095 , 5428746

Raw Data Plots - CPT_121438



CPT_121438



Outputs for CPT_121438:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
125	18	23

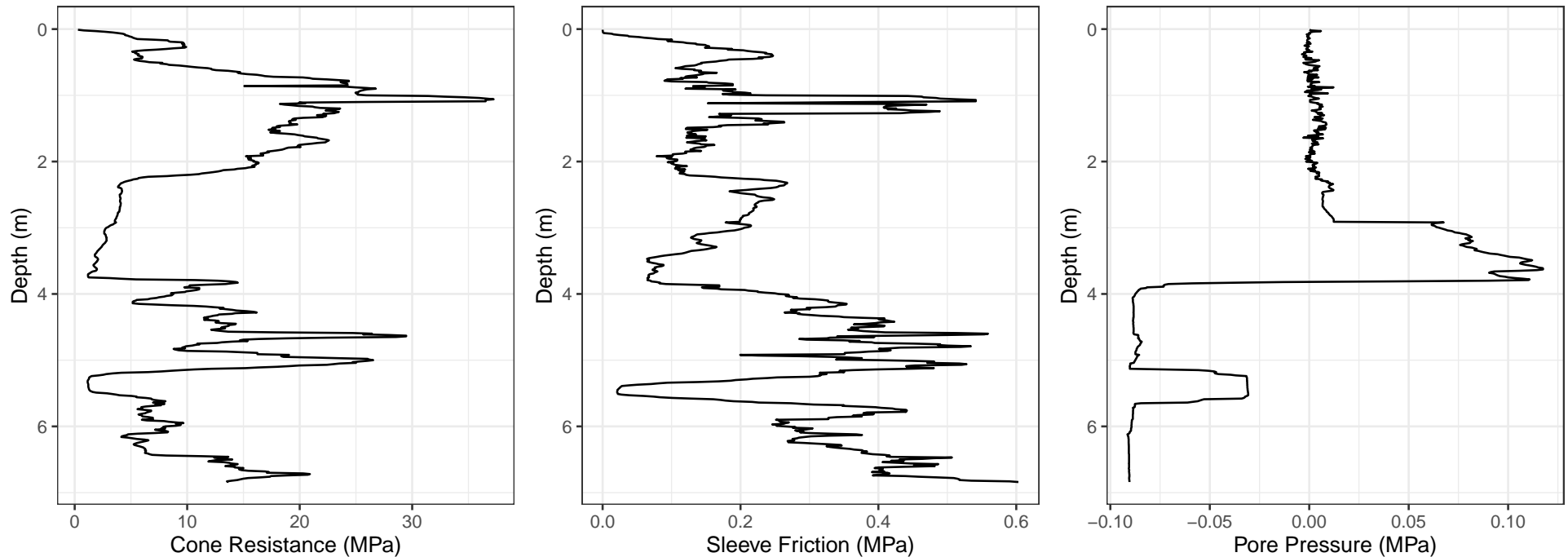
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

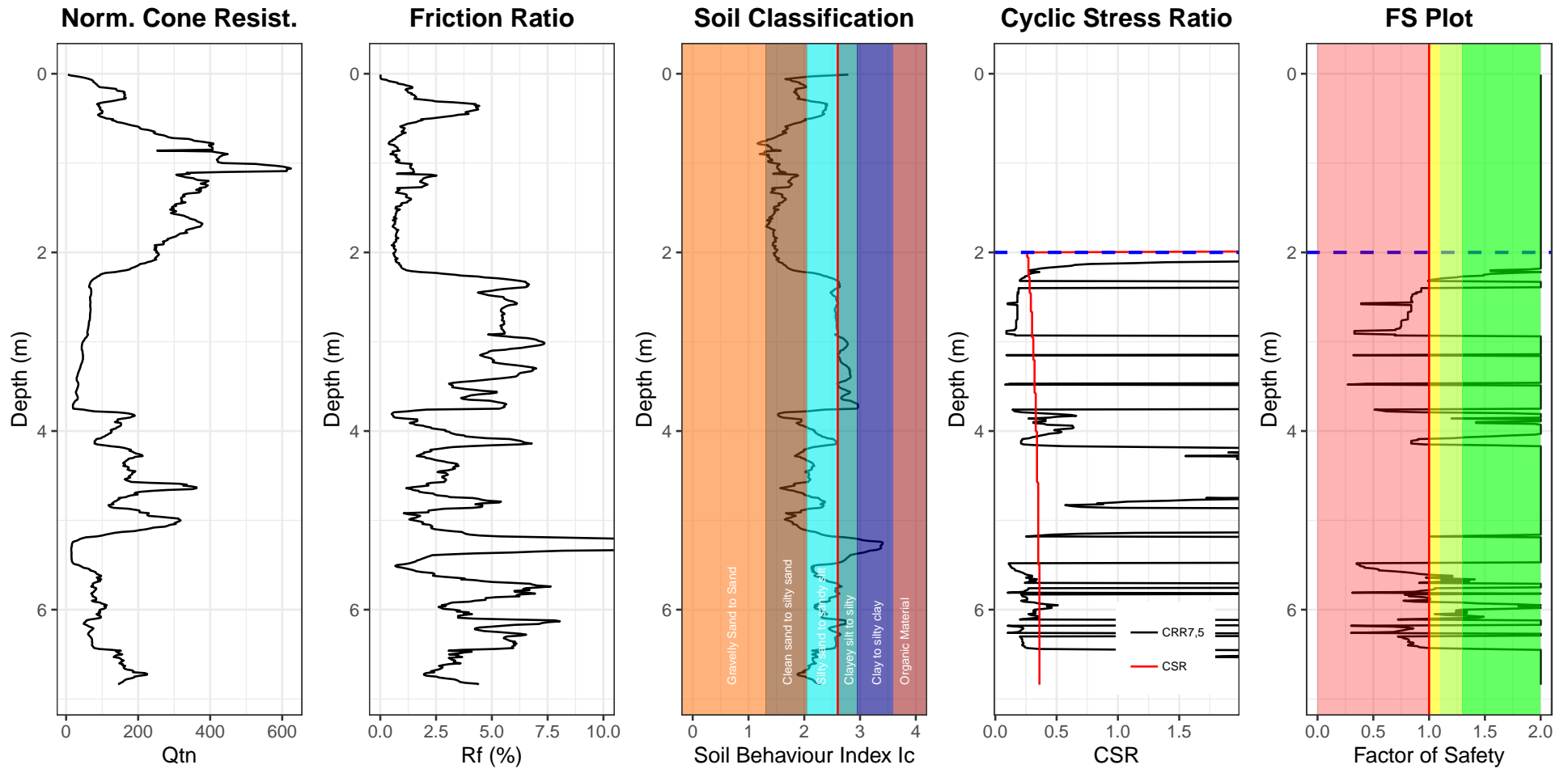
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619671 , 5427609

Raw Data Plots - CPT_121492



CPT_121492



Outputs for CPT_121492:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
22	2	6

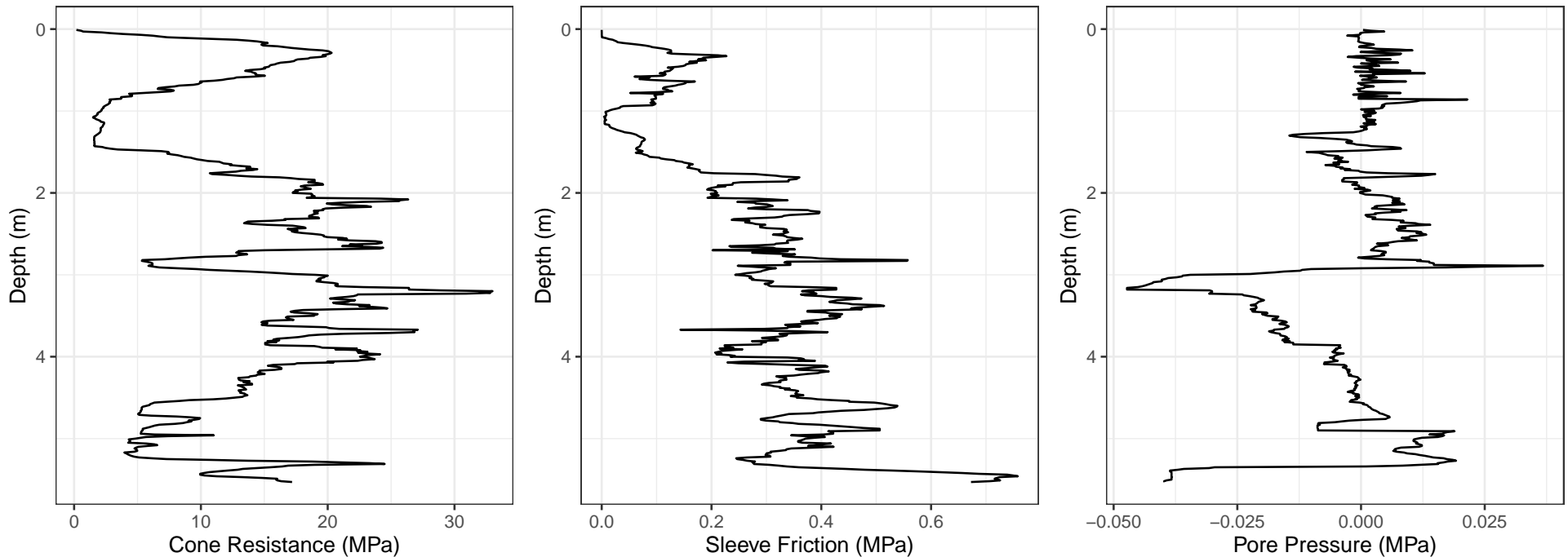
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

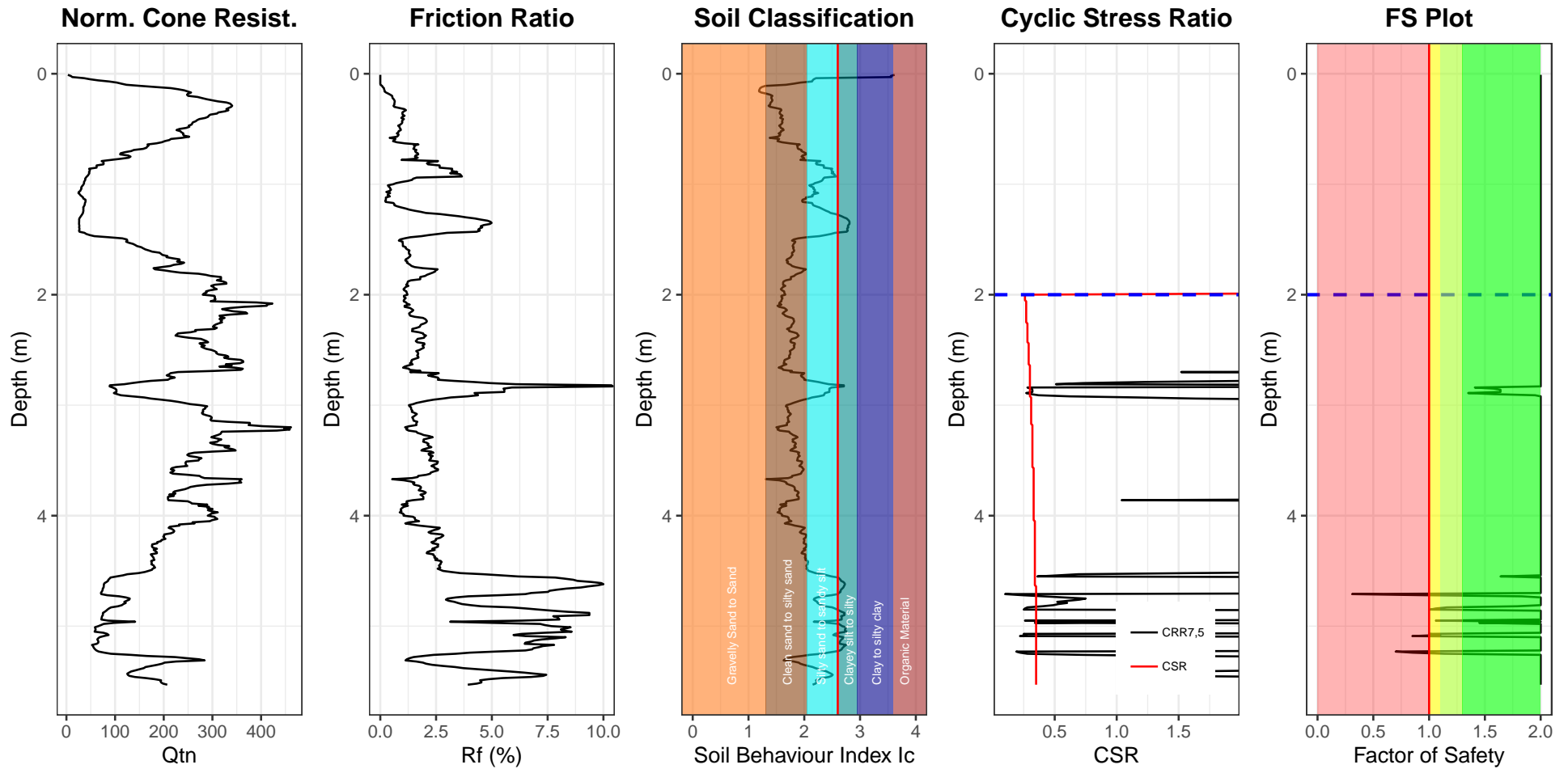
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619642 , 5427638

Raw Data Plots - CPT_121493



CPT_121493



Outputs for CPT_121493:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	0

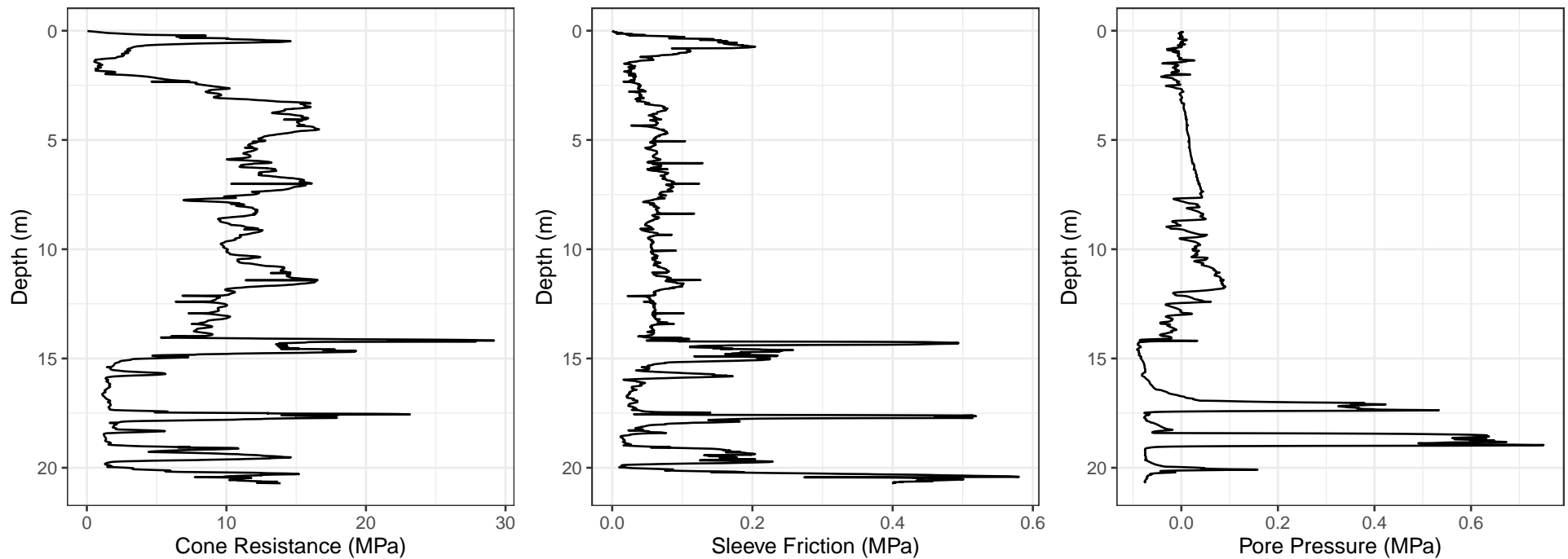
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

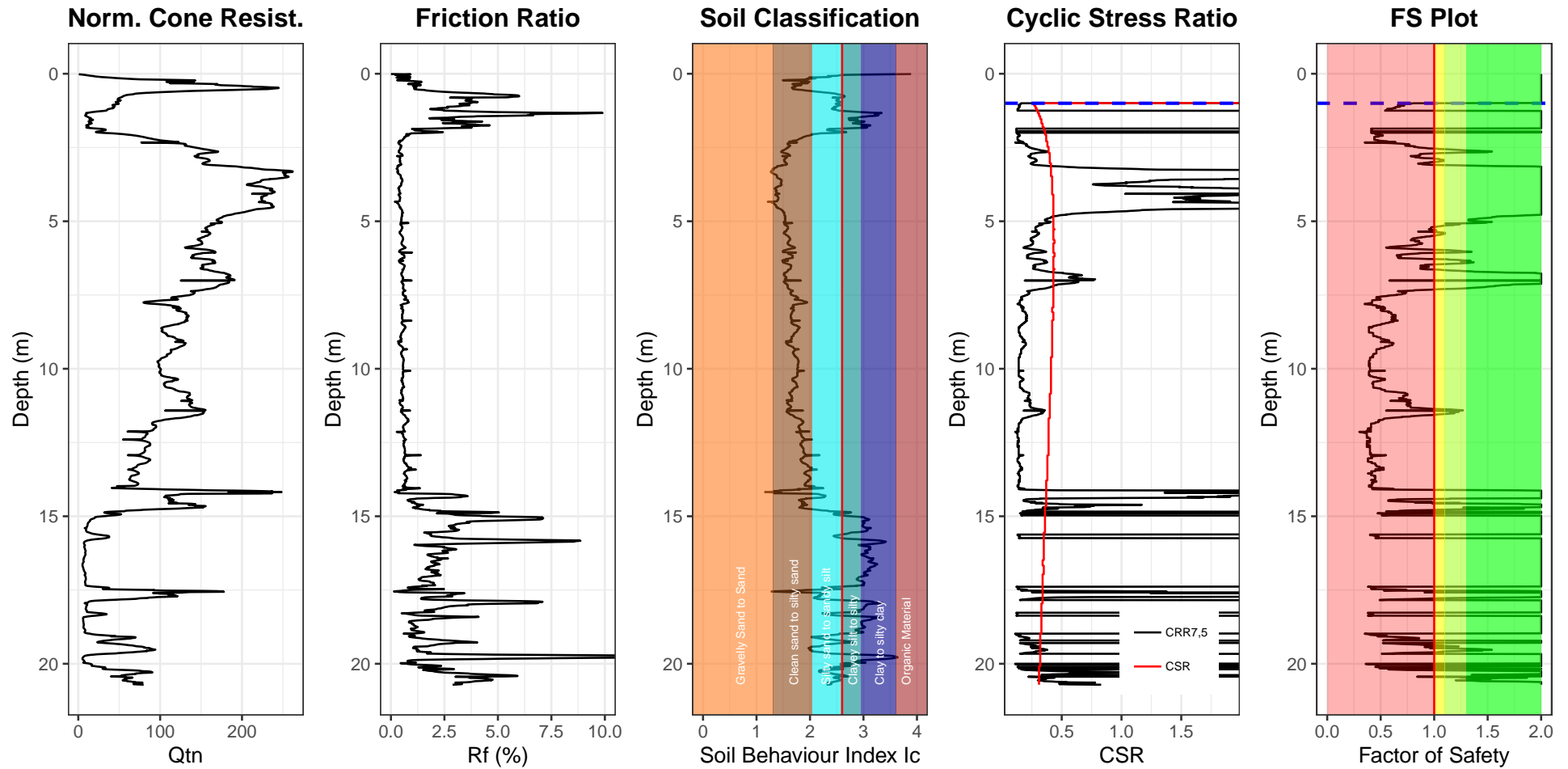
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619744 , 5429260

Raw Data Plots - CPT_128472



CPT_128472



Outputs for CPT_128472:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
202	21	30

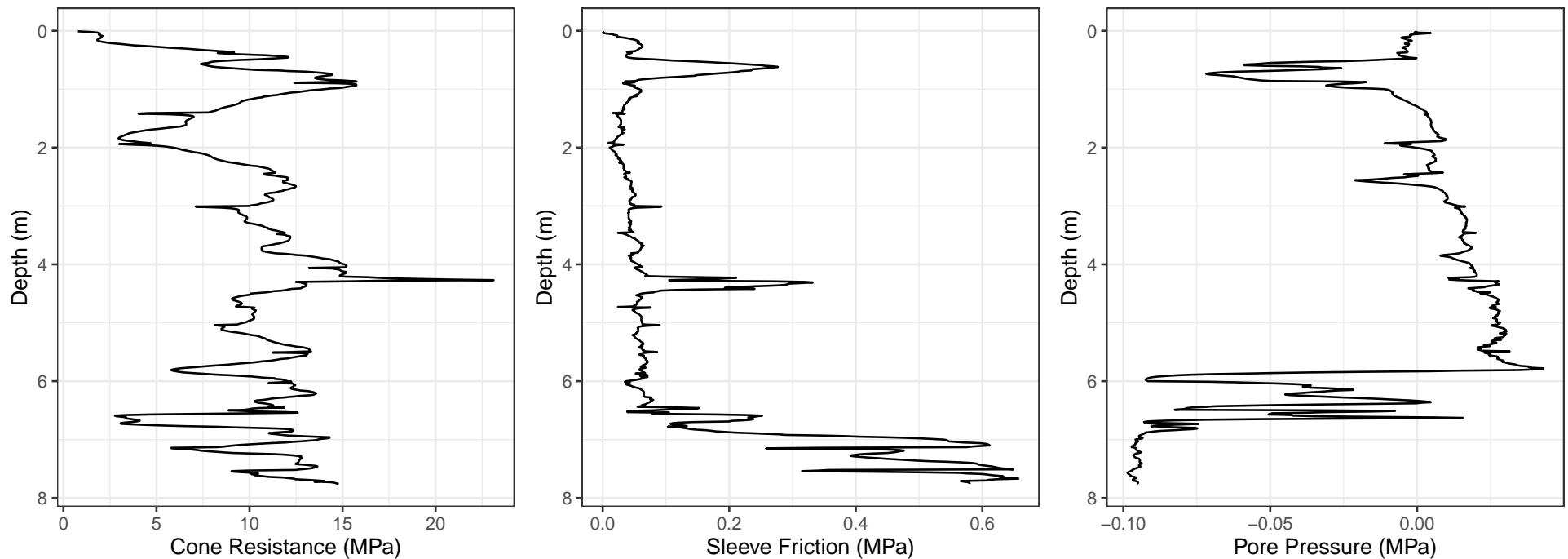
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

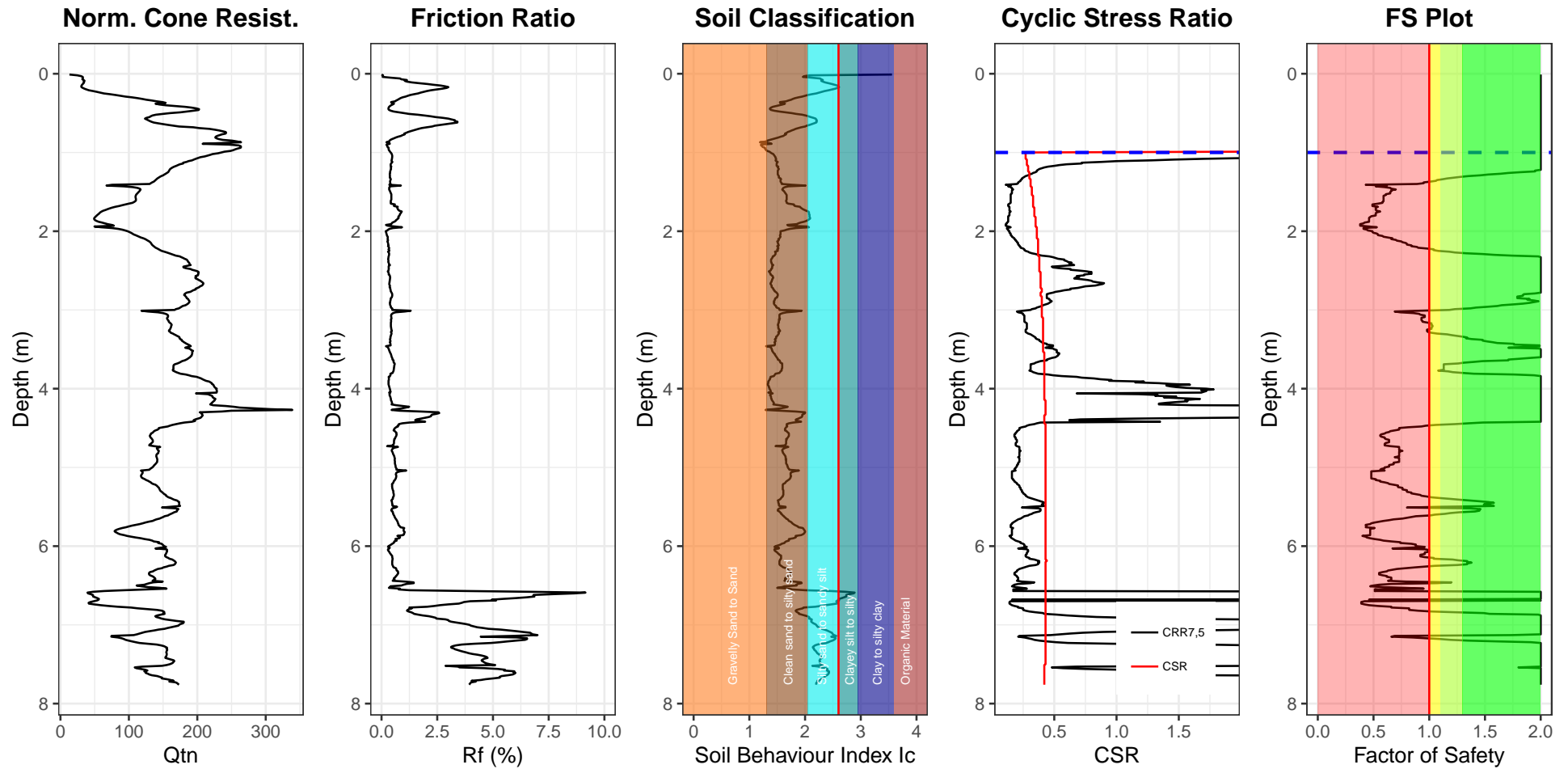
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619738 , 5429254

Raw Data Plots - CPT_128473



CPT_128473



Outputs for CPT_128473:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
54	8	17

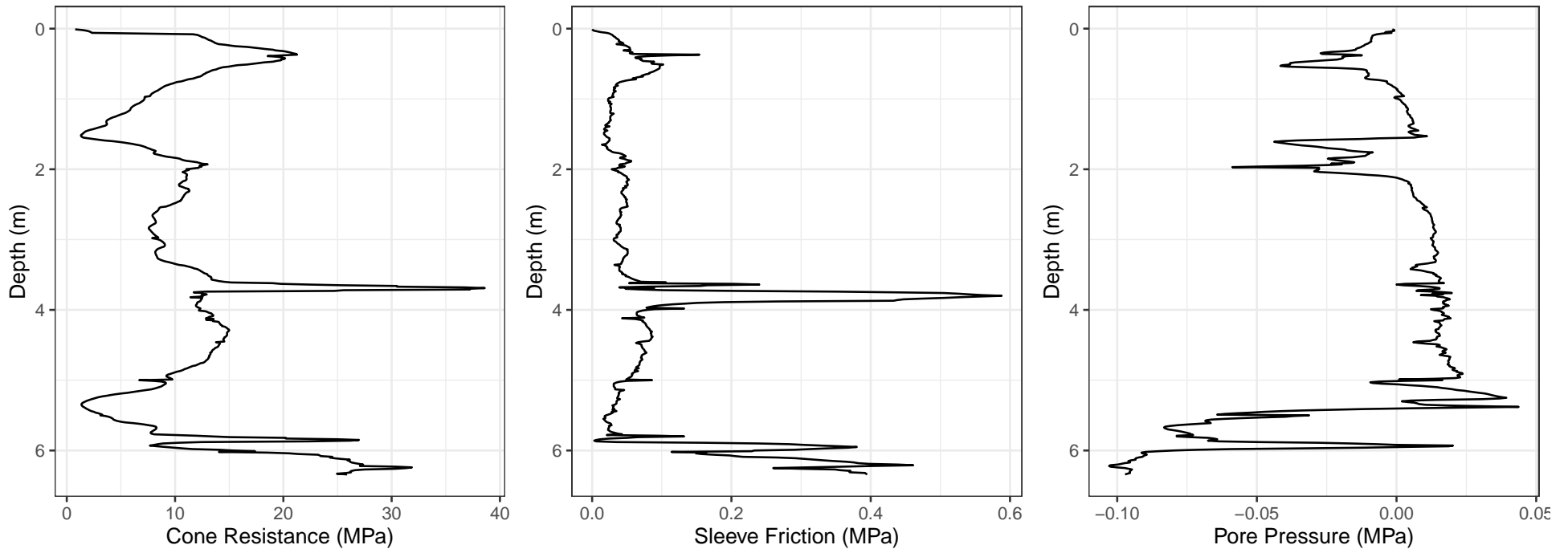
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

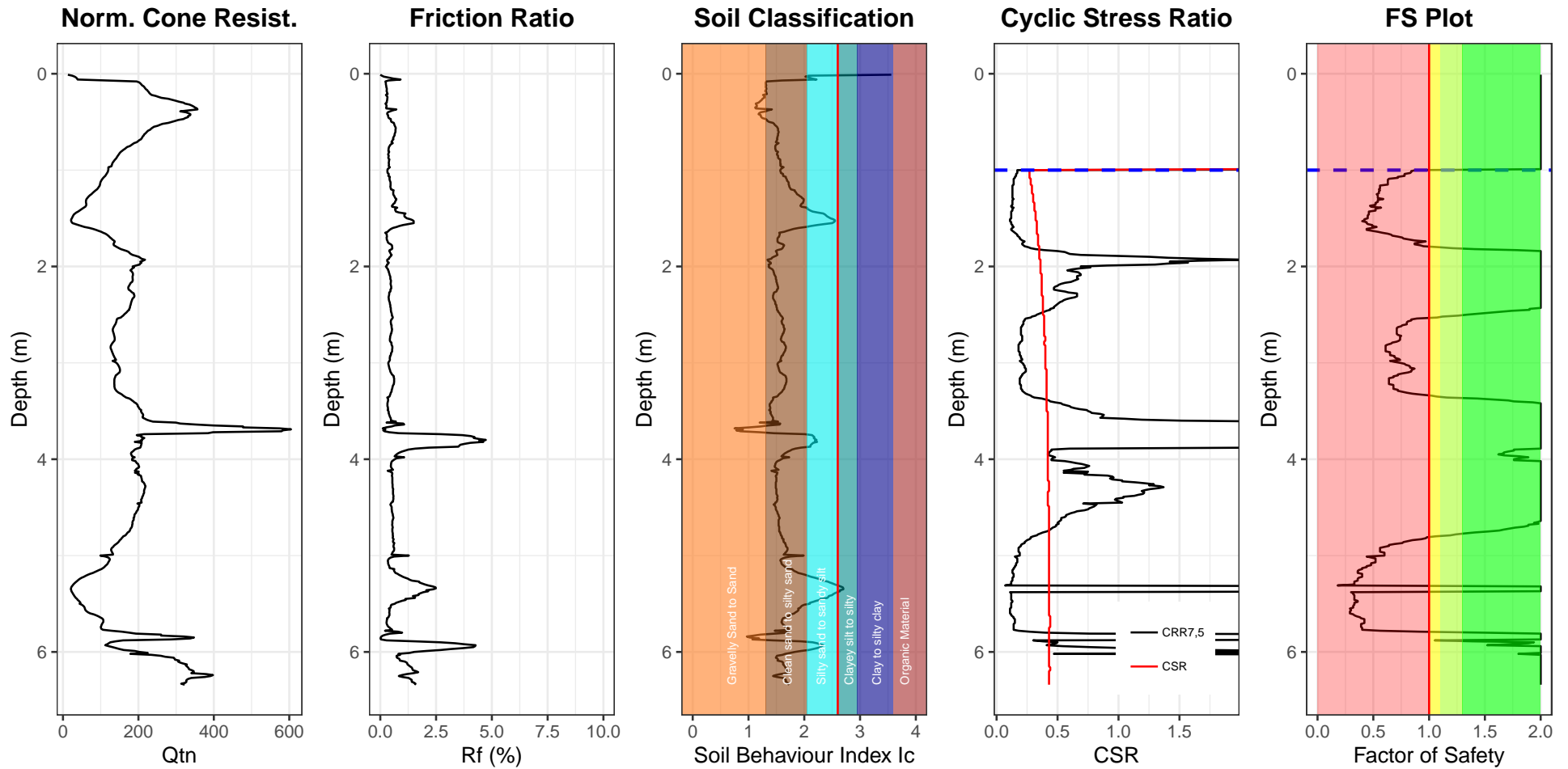
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620594 , 5429853

Raw Data Plots - CPT_128474



CPT_128474



Outputs for CPT_128474:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
53	9	22

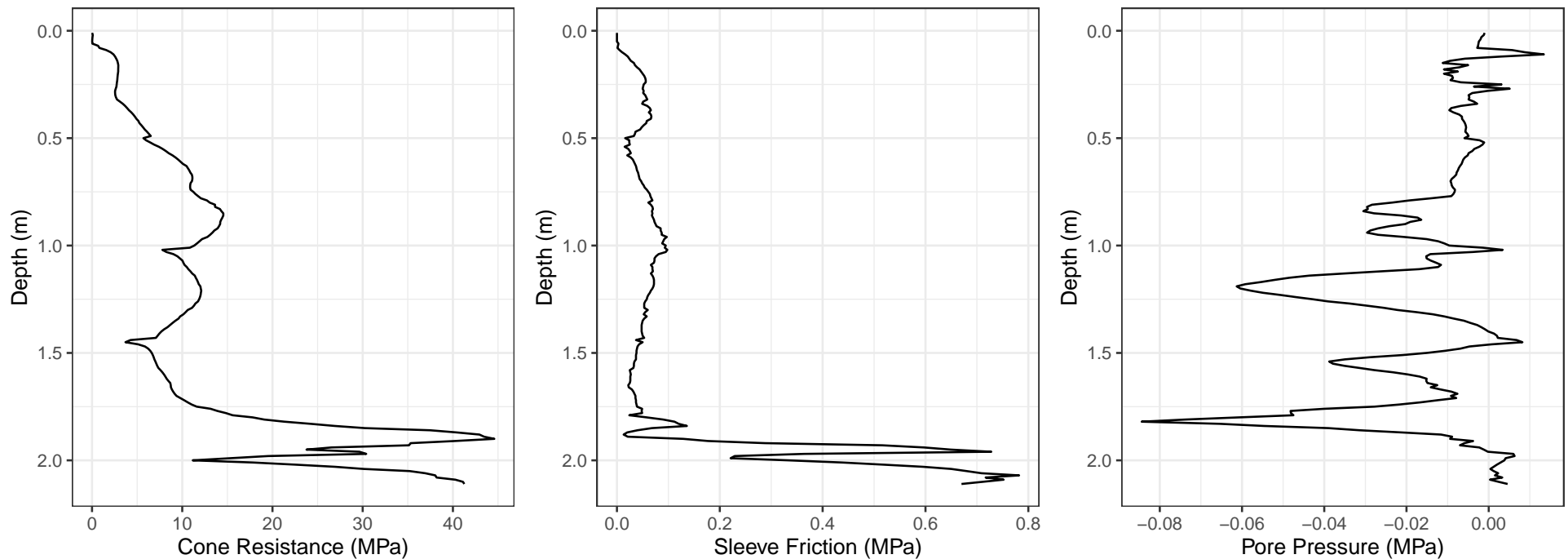
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

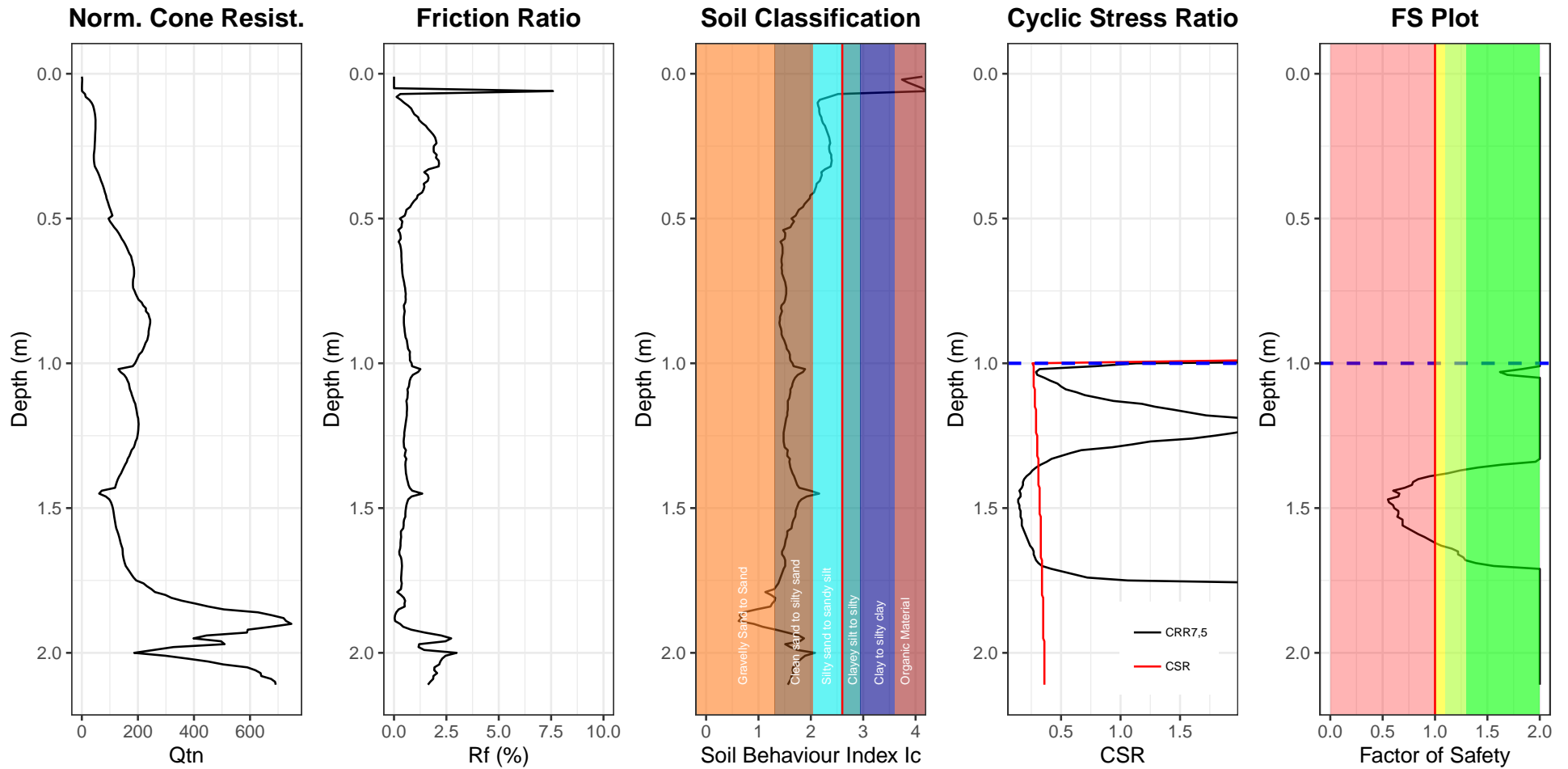
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620591 , 5429856

Raw Data Plots - CPT_128475



CPT_128475



Outputs for CPT_128475:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
4	1	3

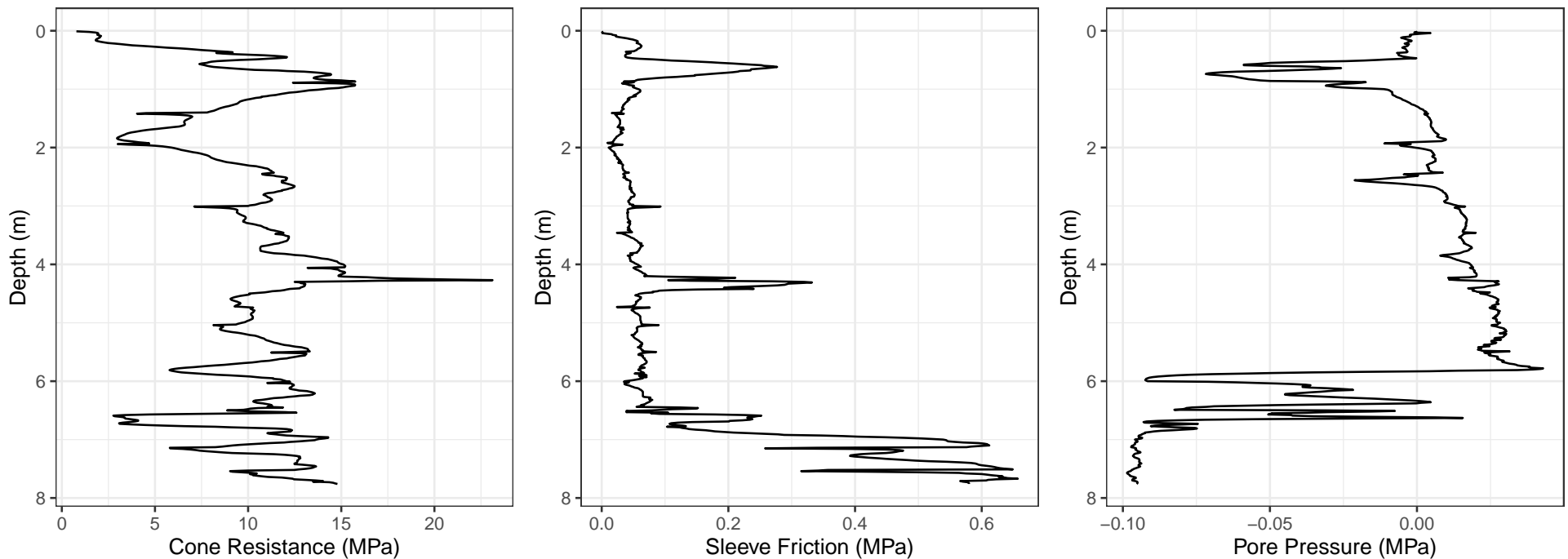
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

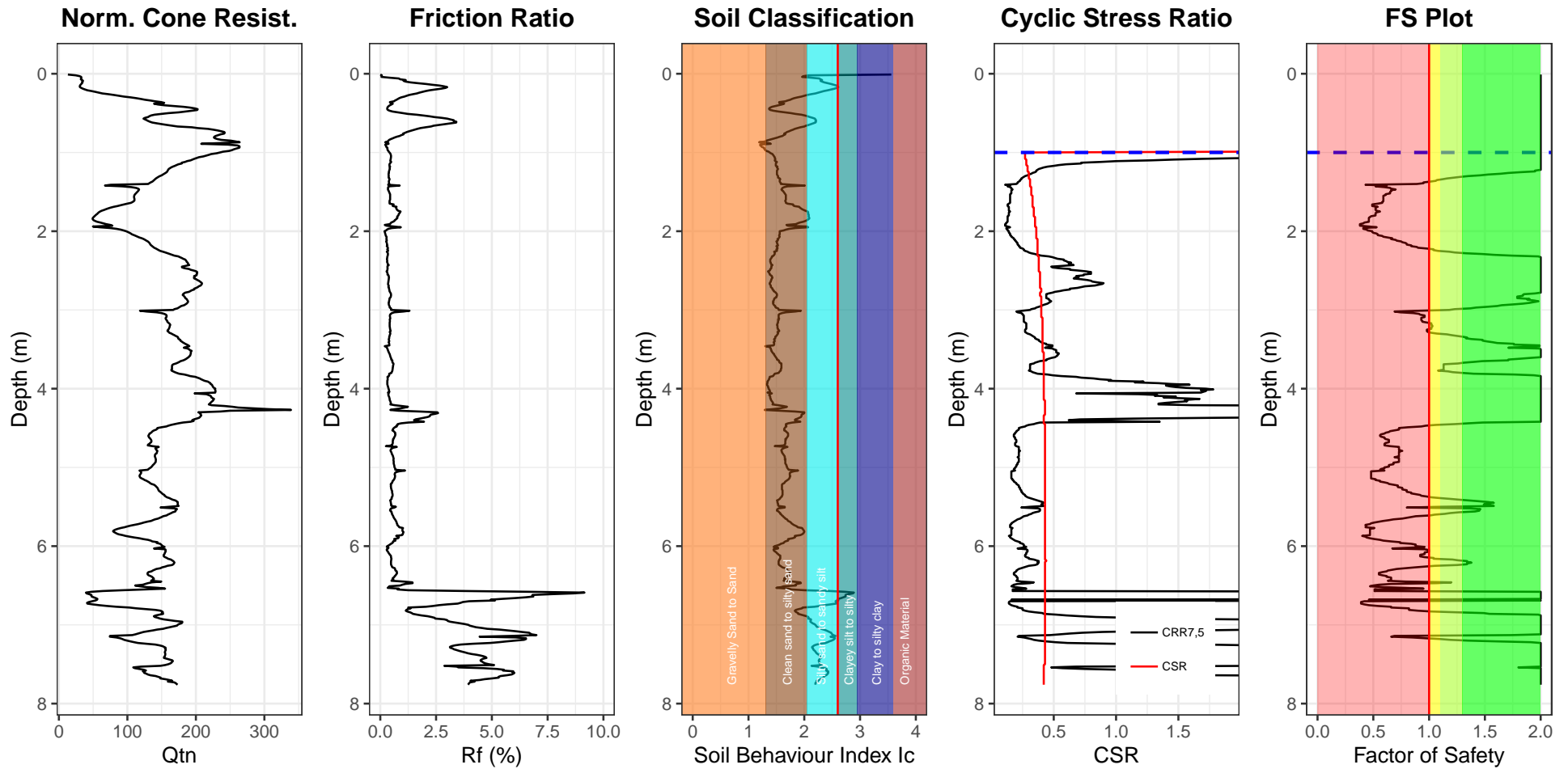
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620583 , 5429872

Raw Data Plots - CPT_128476



CPT_128476



Outputs for CPT_128476:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
54	8	17

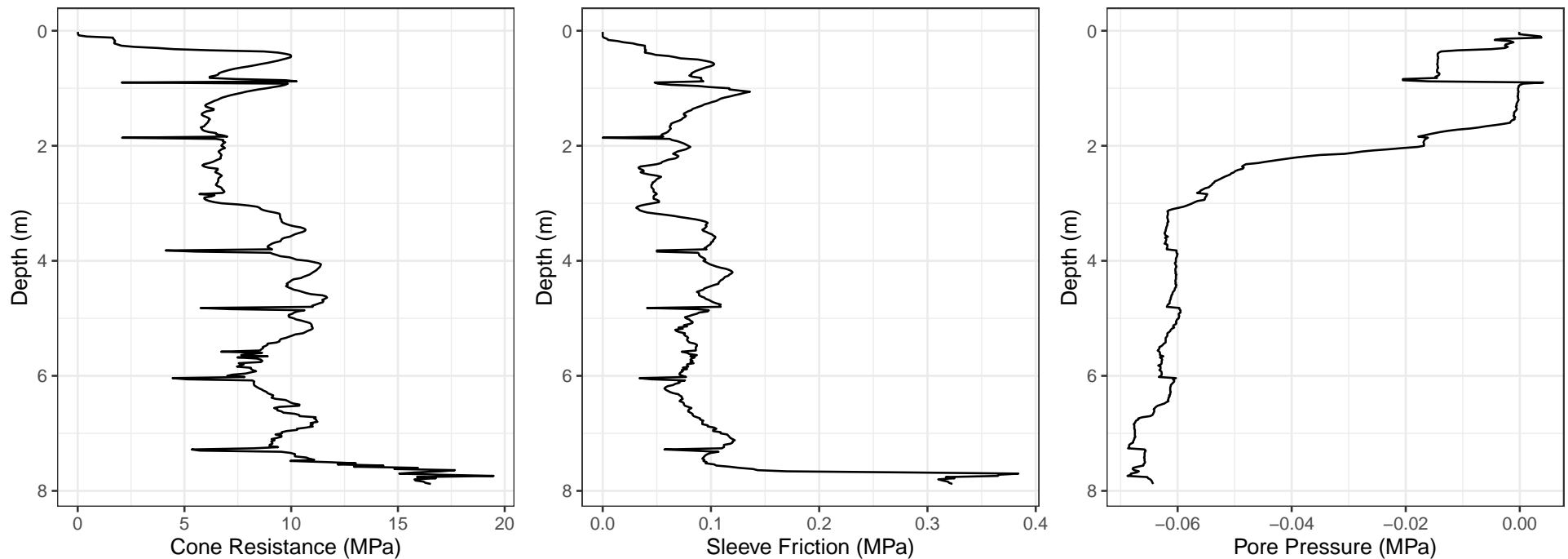
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

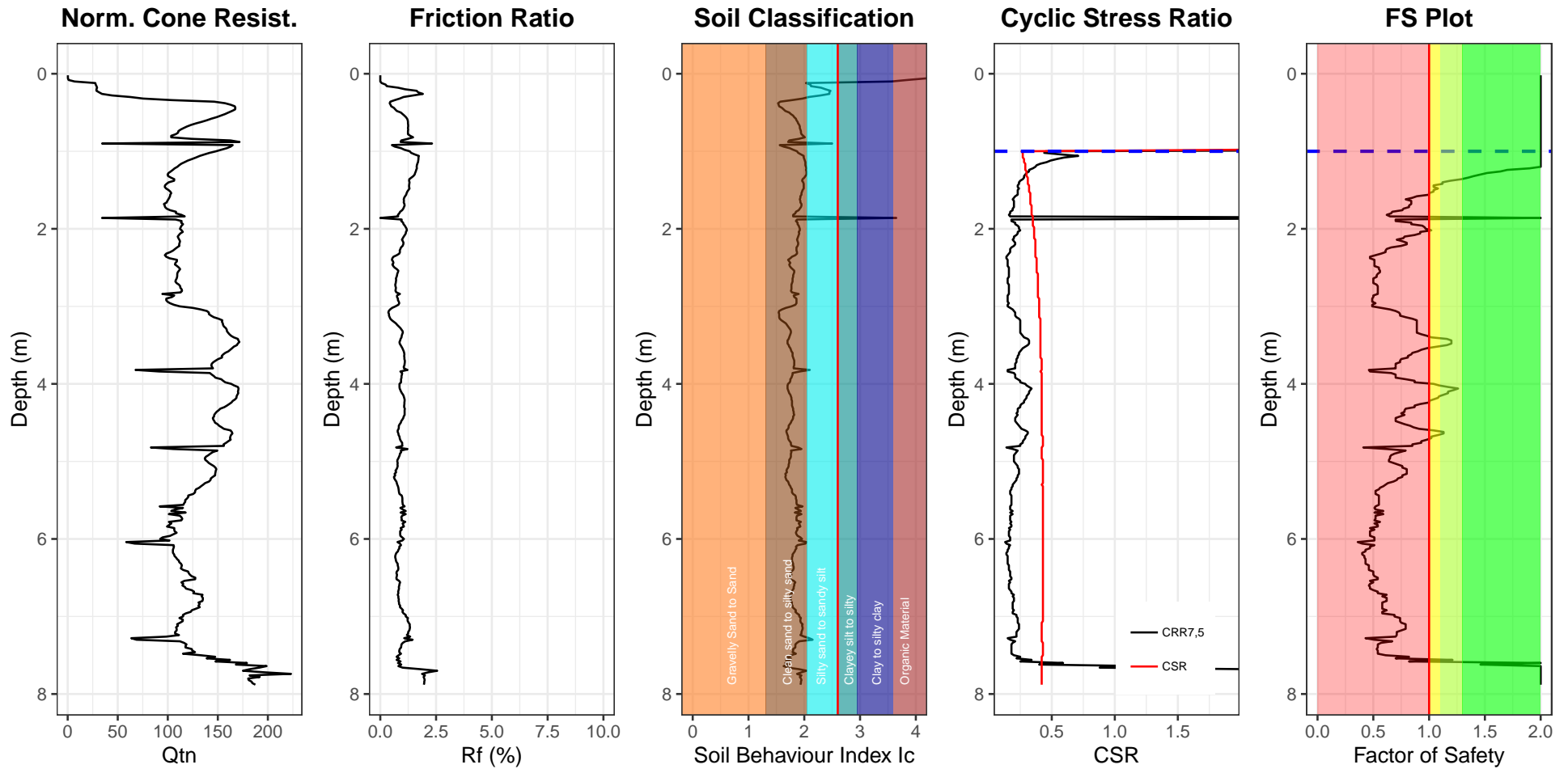
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618744 , 5427764

Raw Data Plots - CPT_128829



CPT_128829



Outputs for CPT_128829:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
97	14	25

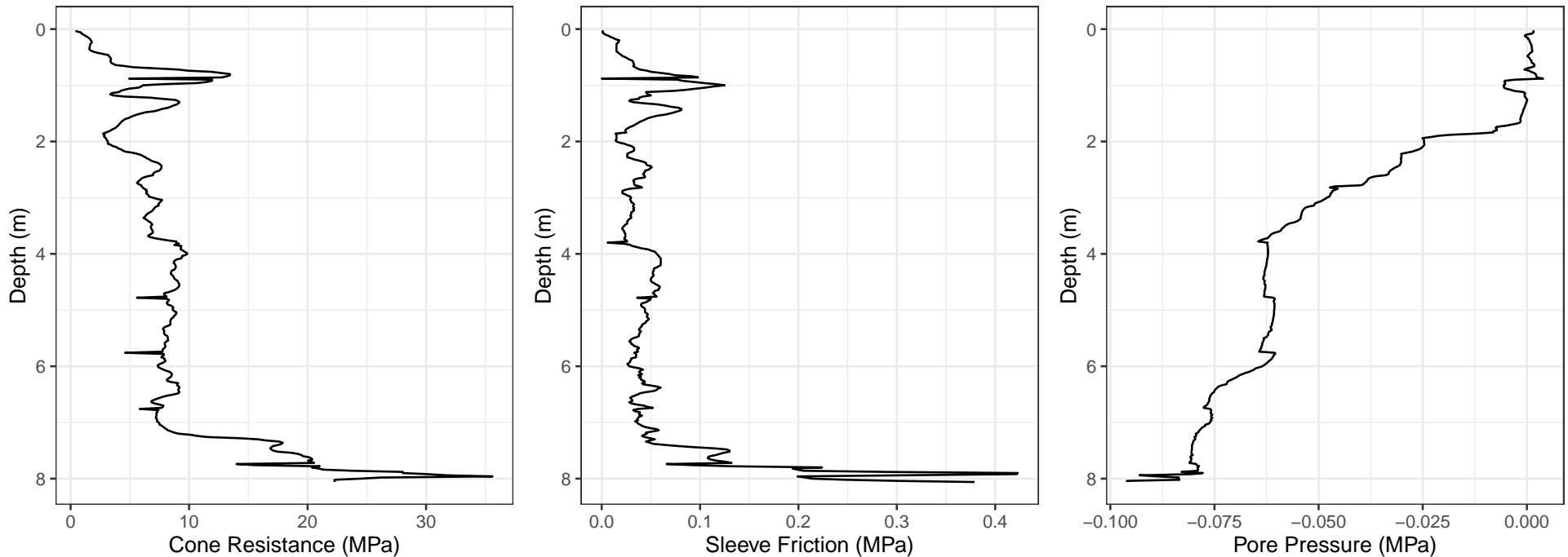
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

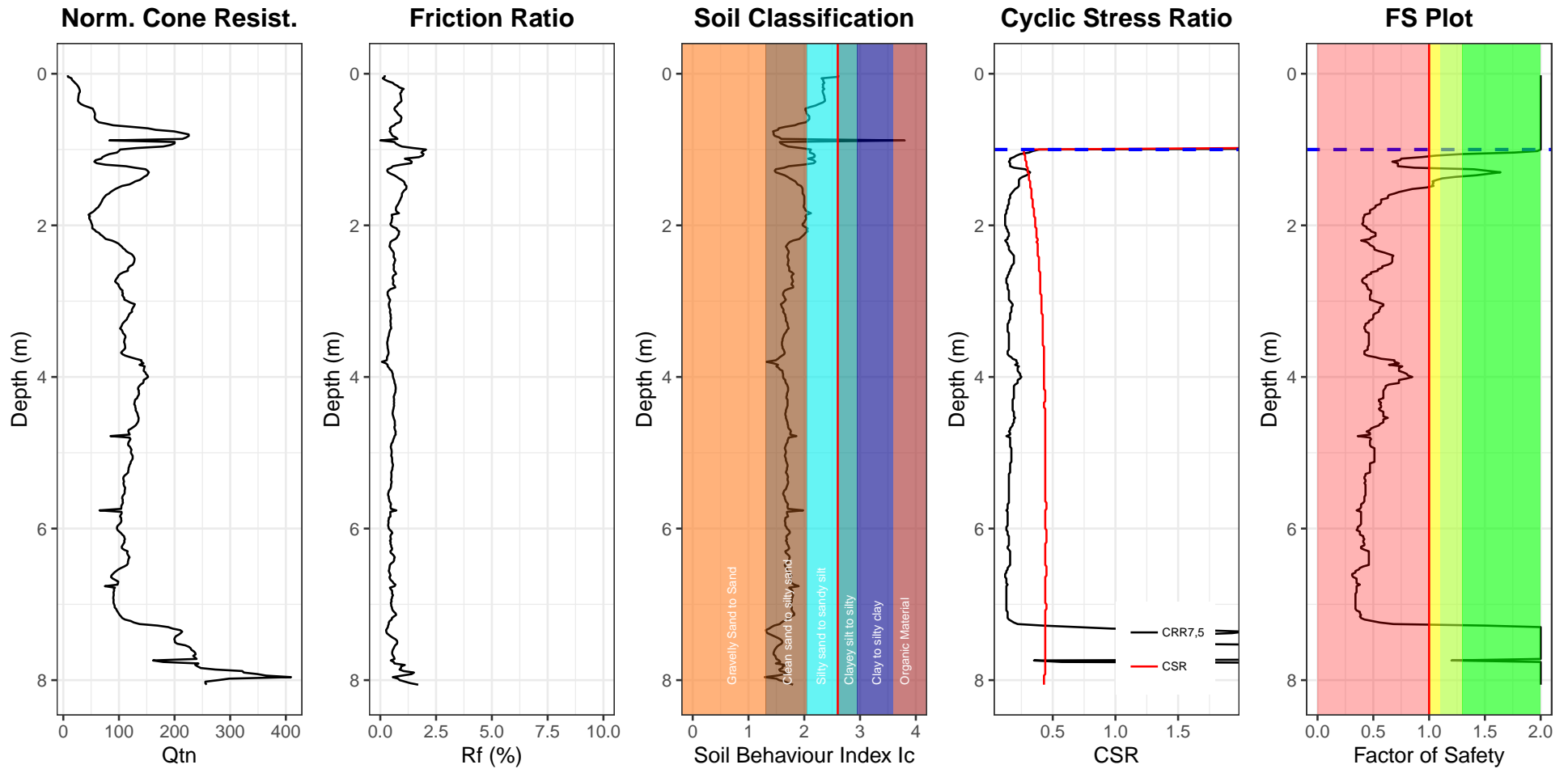
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618813 , 5427811

Raw Data Plots - CPT_128830



CPT_128830



Outputs for CPT_128830:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
128	23	37

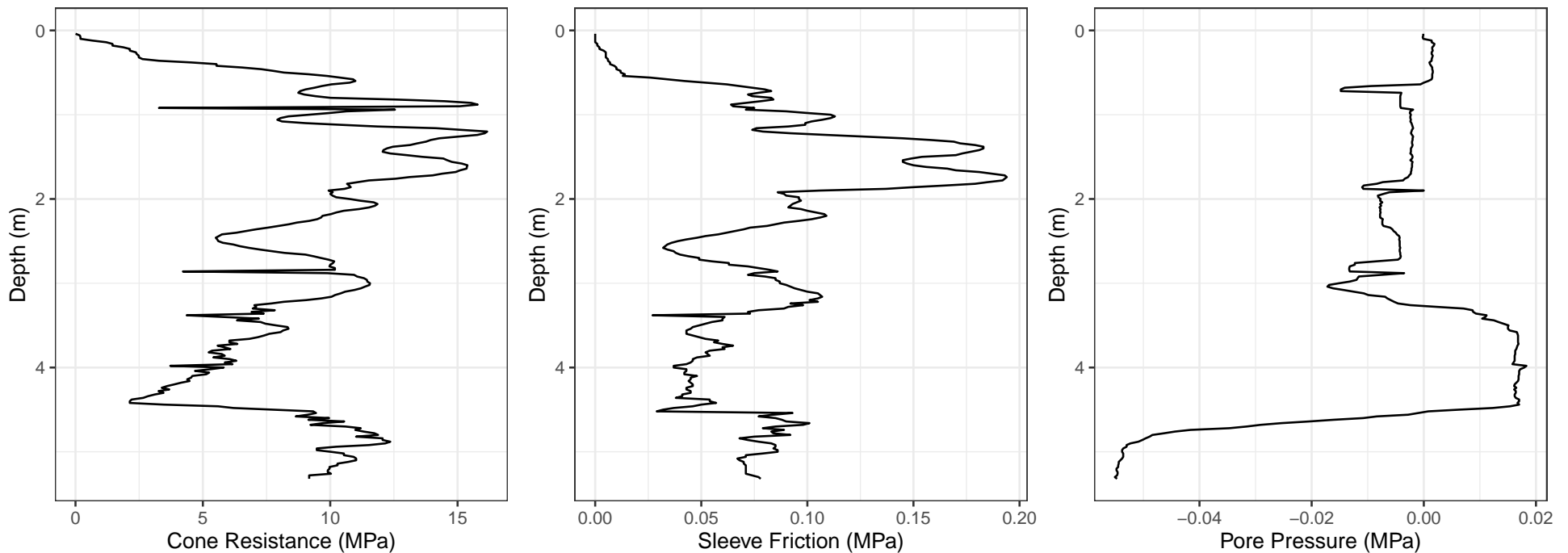
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

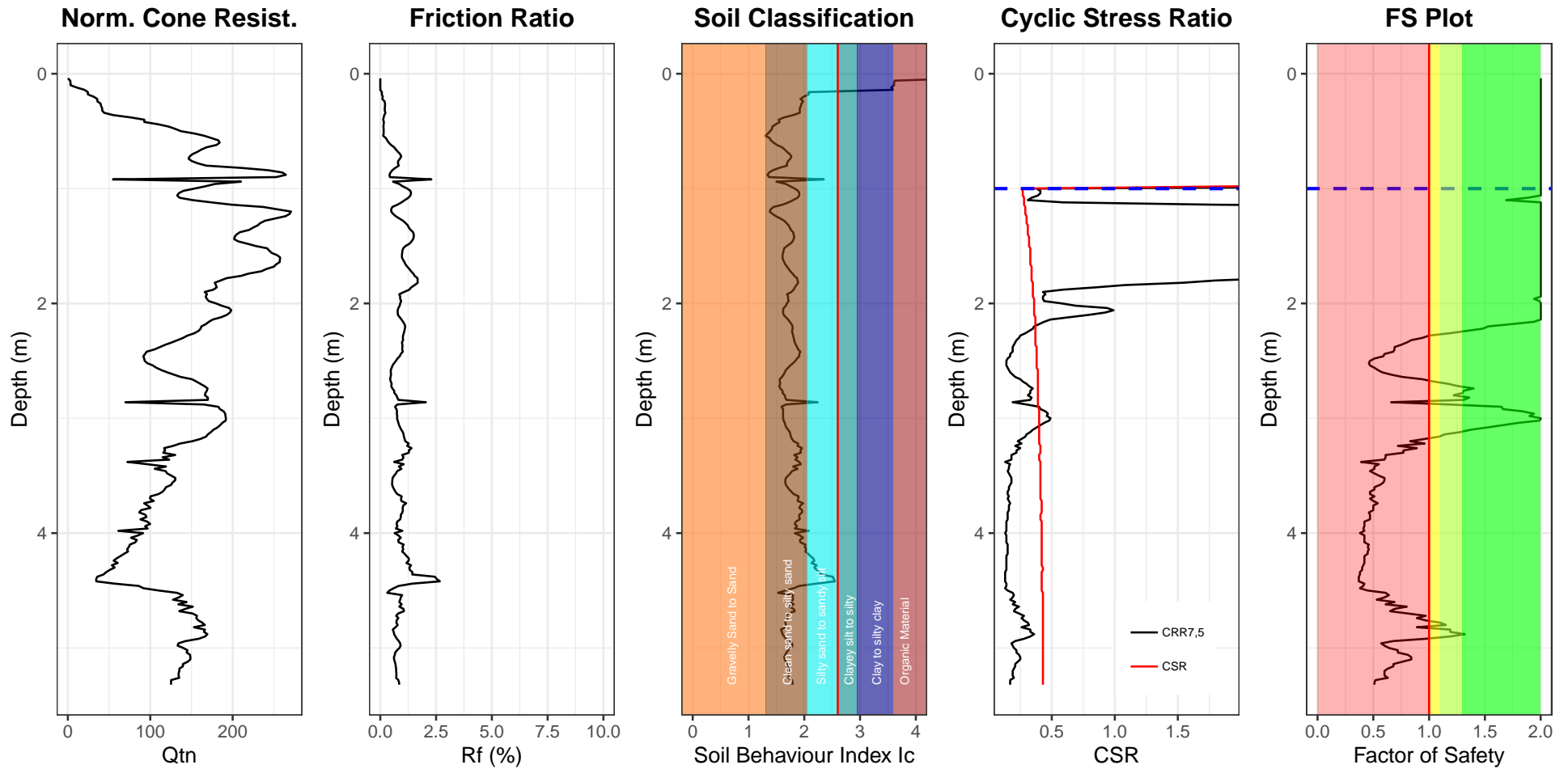
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.04
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618812 , 5427838

Raw Data Plots - CPT_128831



CPT_128831



Outputs for CPT_128831:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
48	8	13

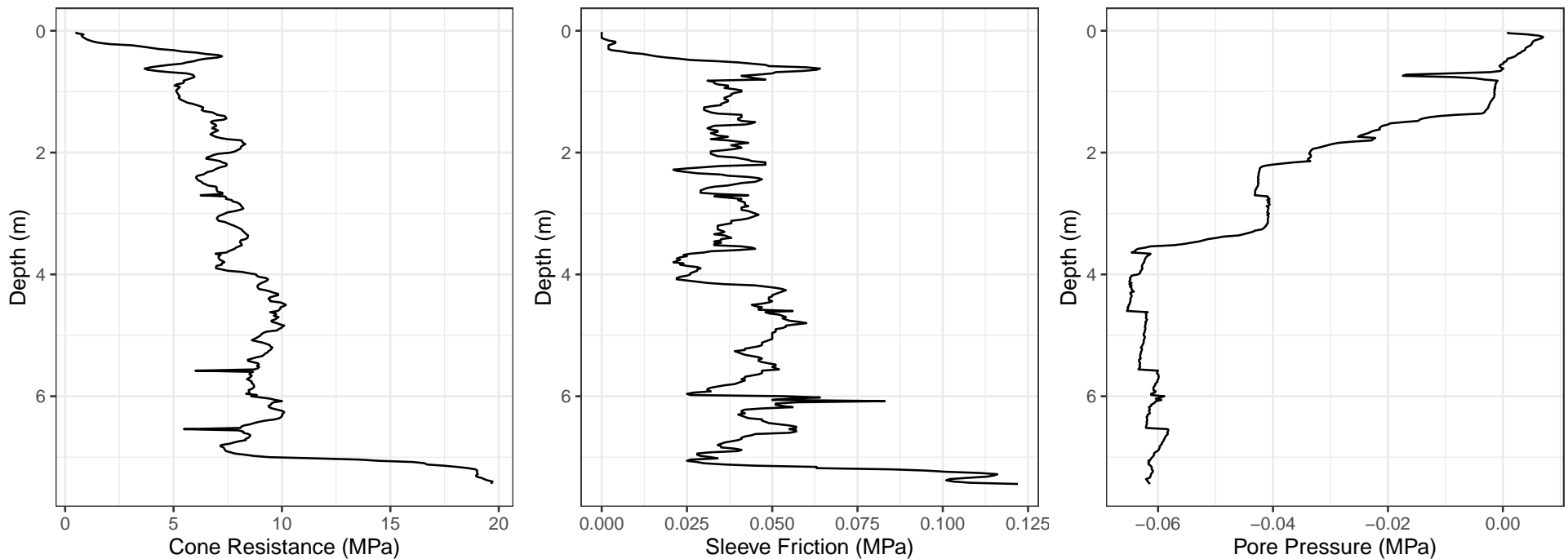
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

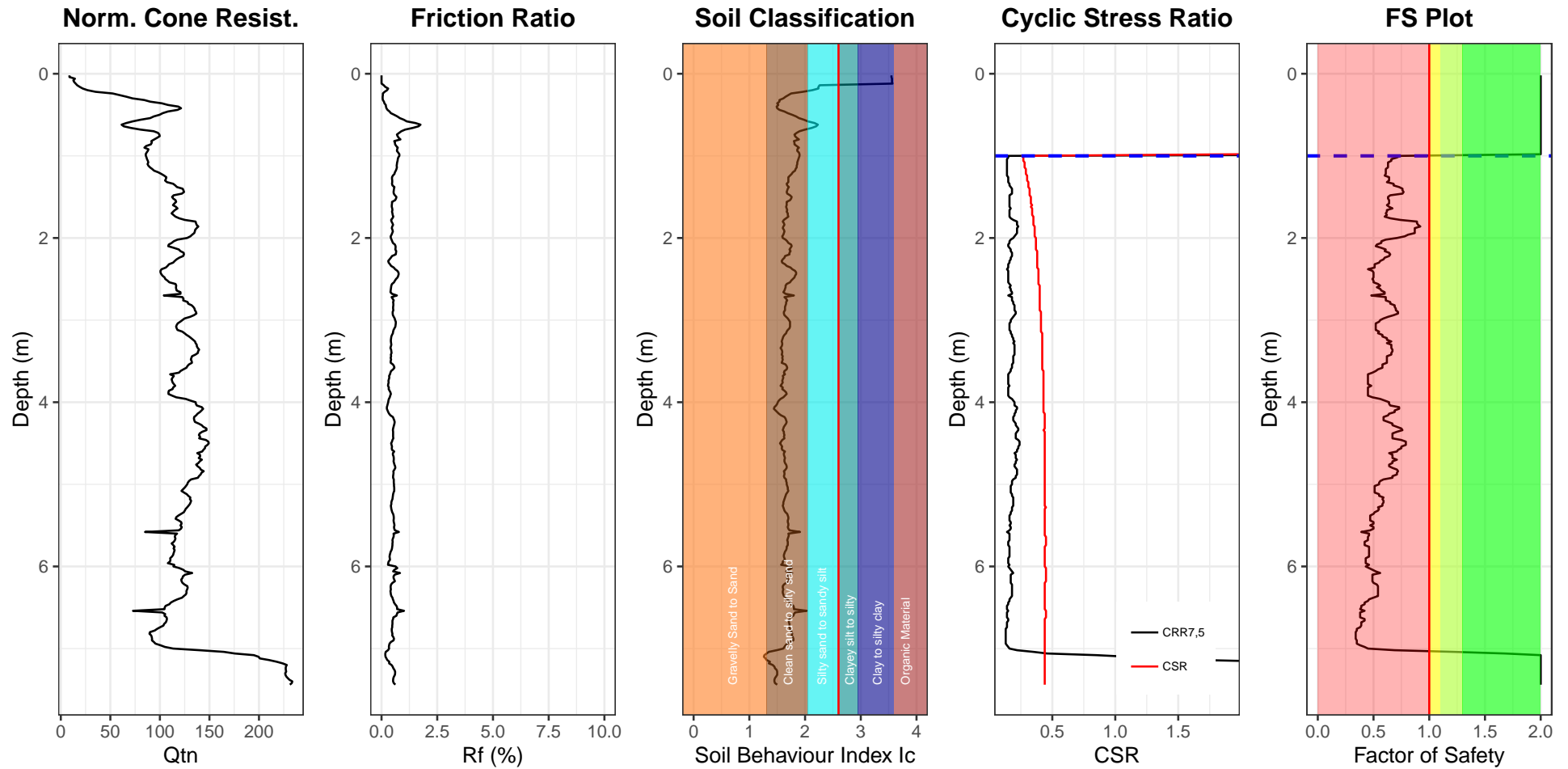
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618844 , 5427879

Raw Data Plots - CPT_128832



CPT_128832



Outputs for CPT_128832:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
119	20	39

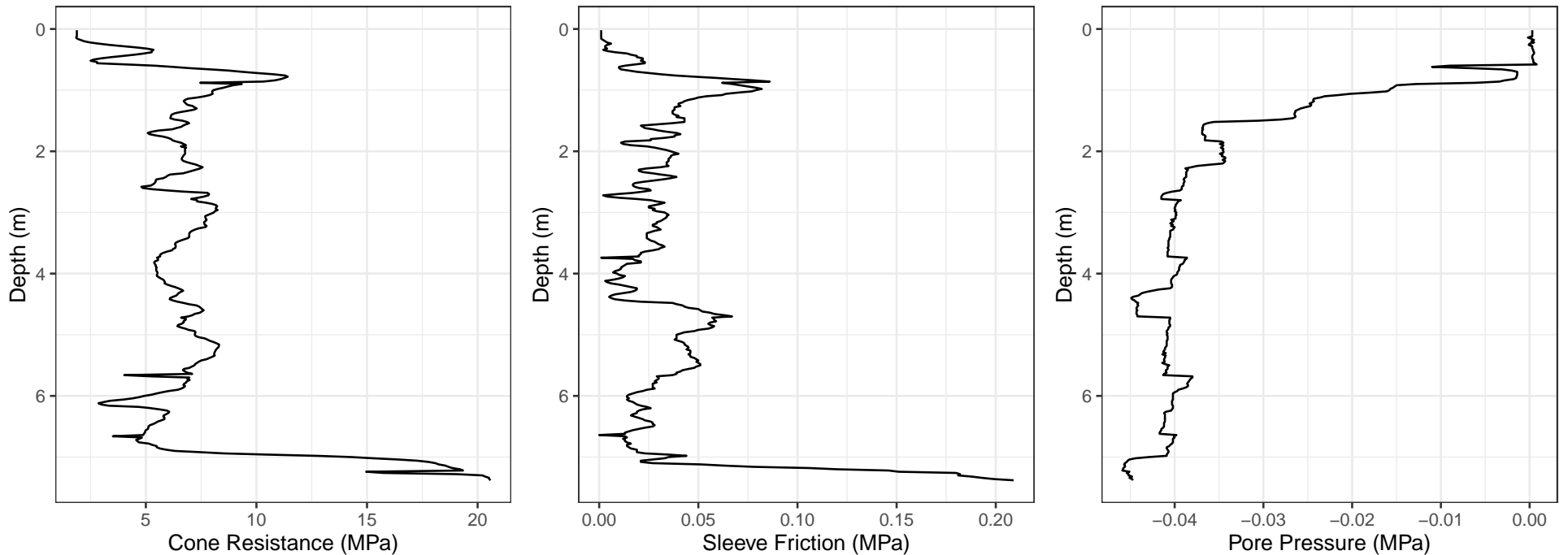
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

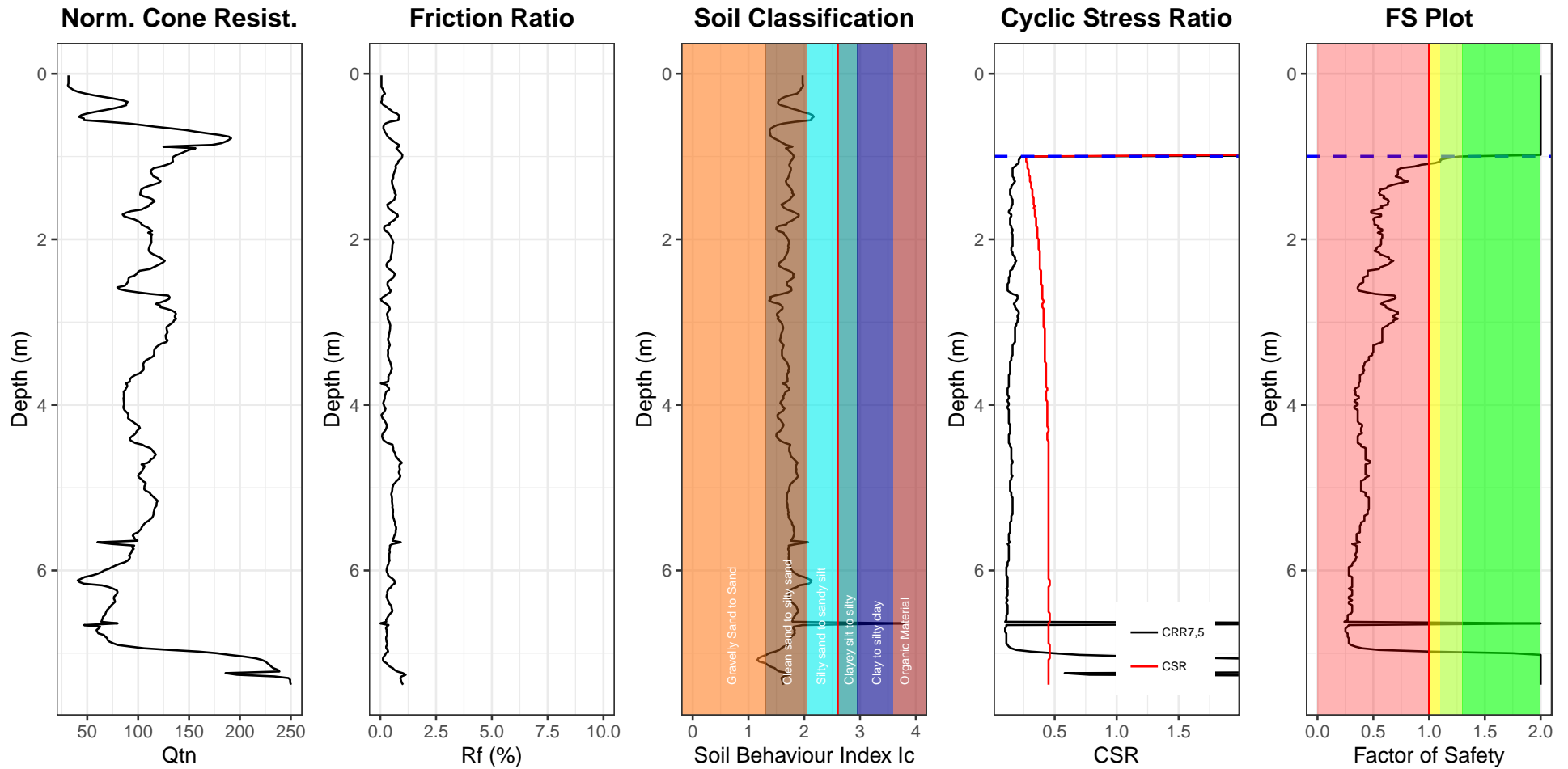
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1618882 , 5427919

Raw Data Plots - CPT_128853



CPT_128853



Outputs for CPT_128853:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
137	25	41

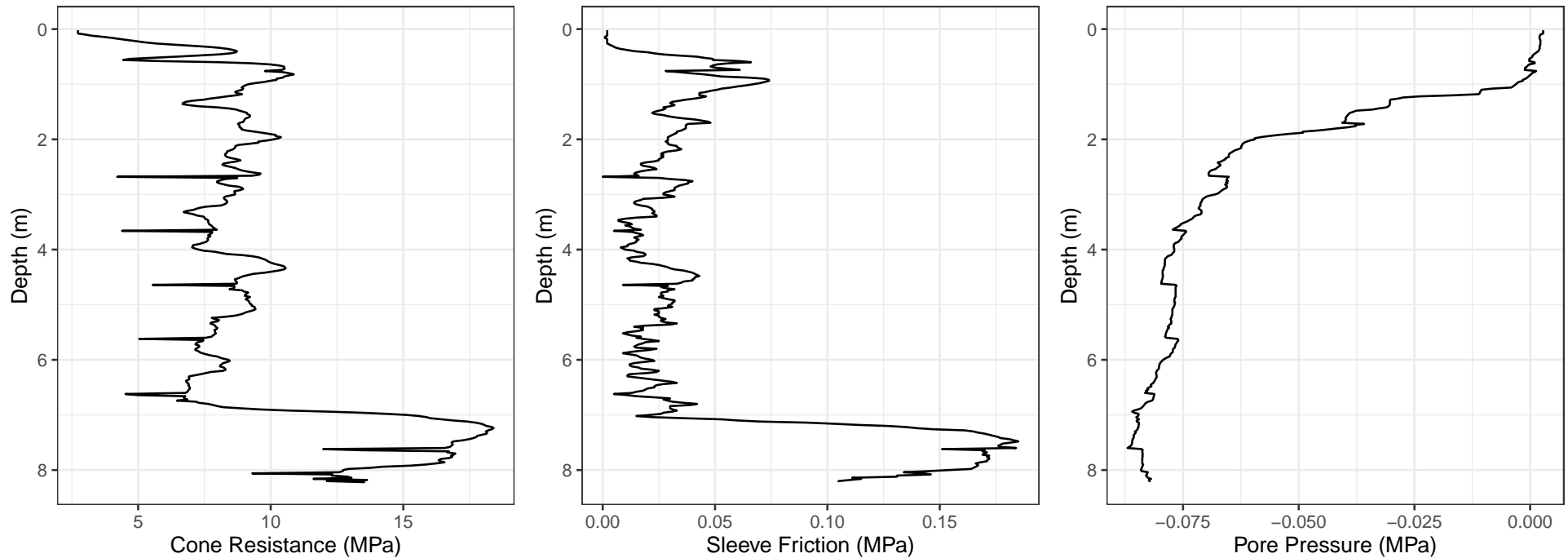
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

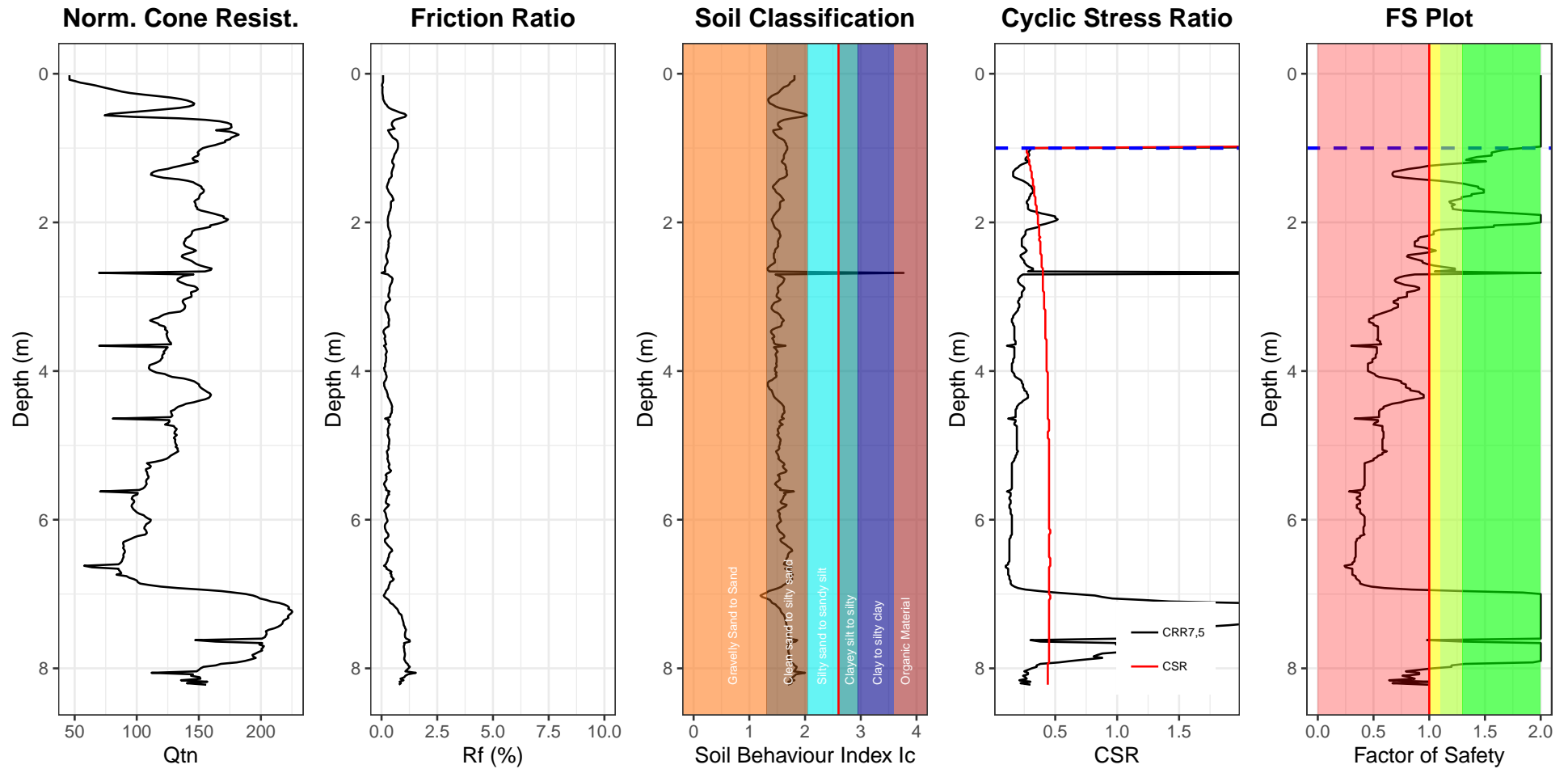
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1618940 , 5427897

Raw Data Plots - CPT_128854



CPT_128854



Outputs for CPT_128854:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
98	16	24

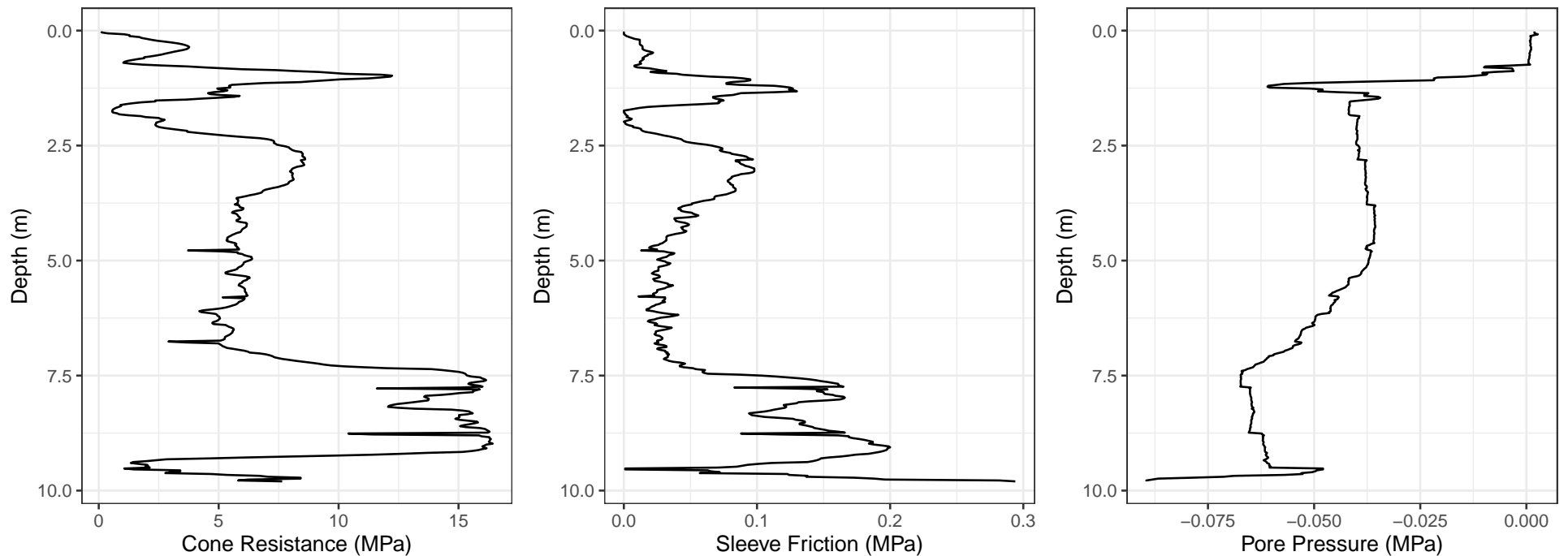
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

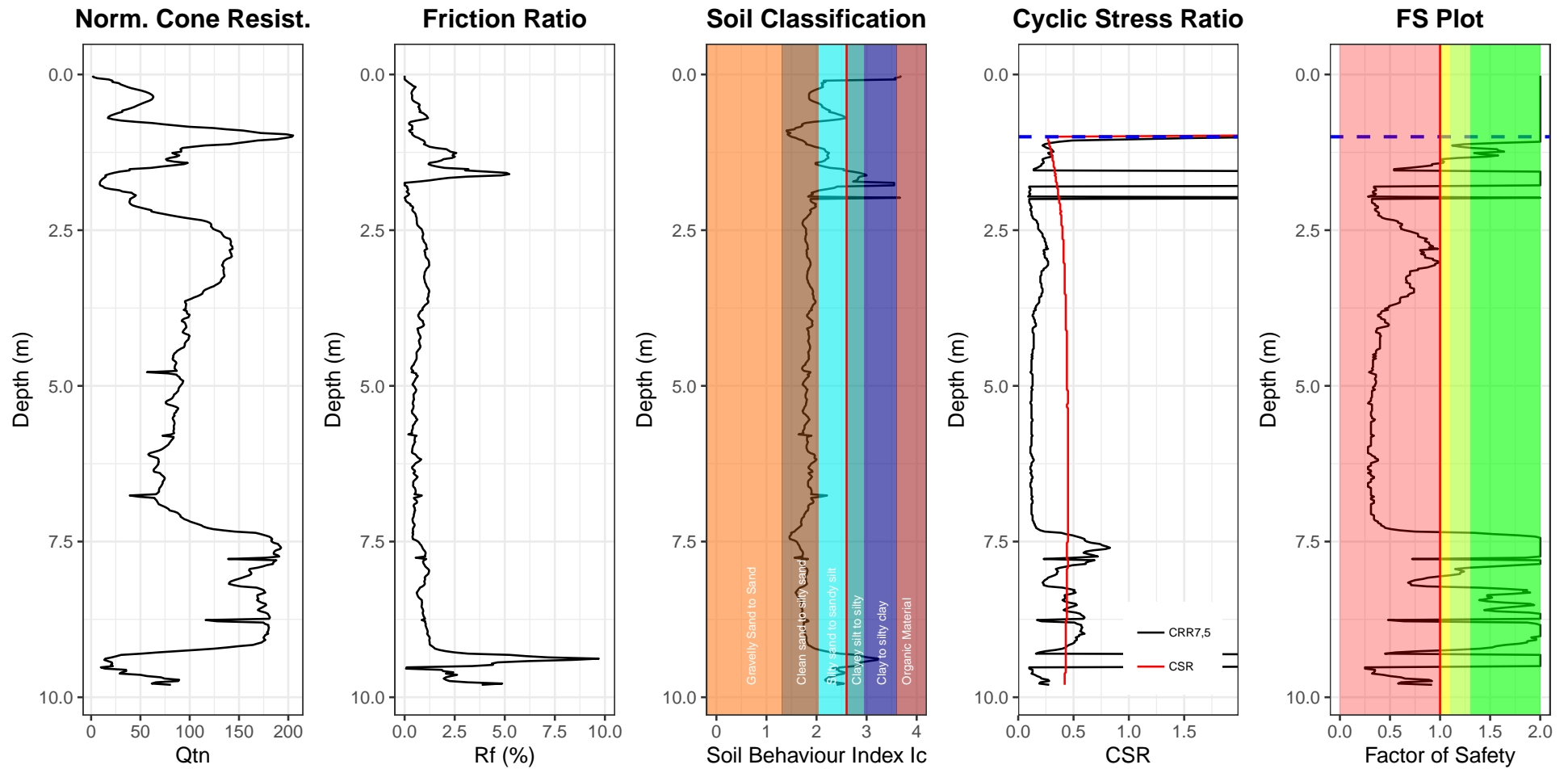
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619050 , 5428166

Raw Data Plots - CPT_128856



CPT_128856



Outputs for CPT_128856:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
143	25	35

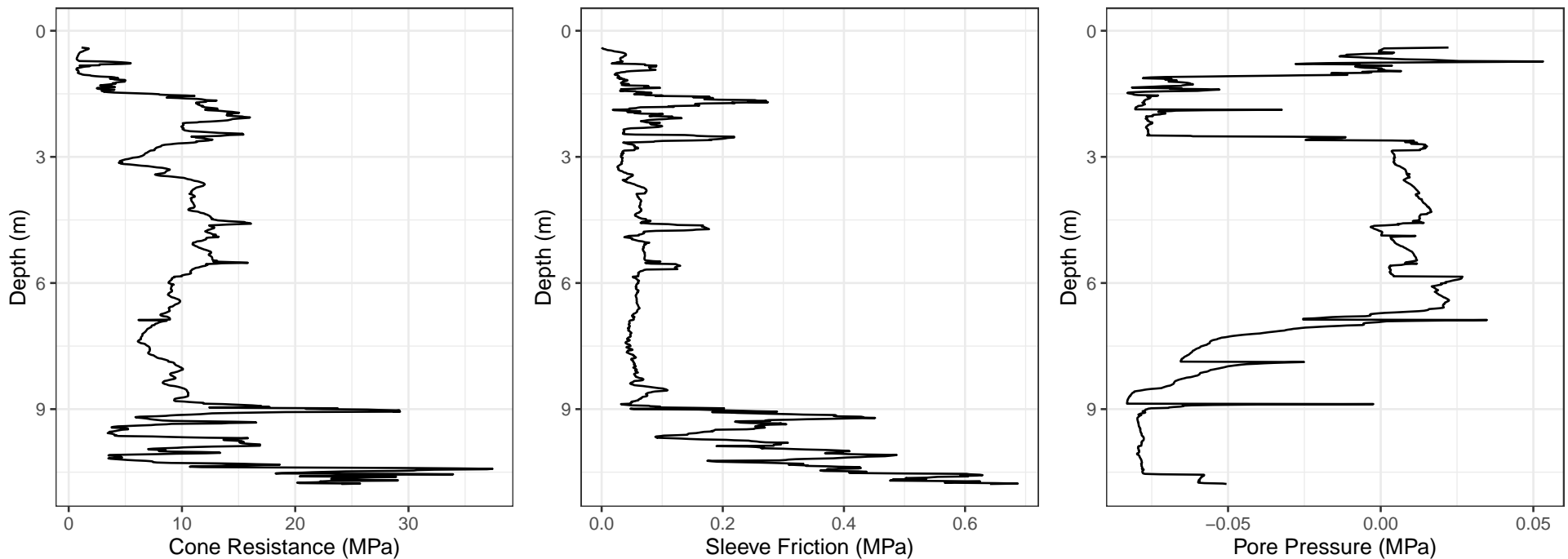
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

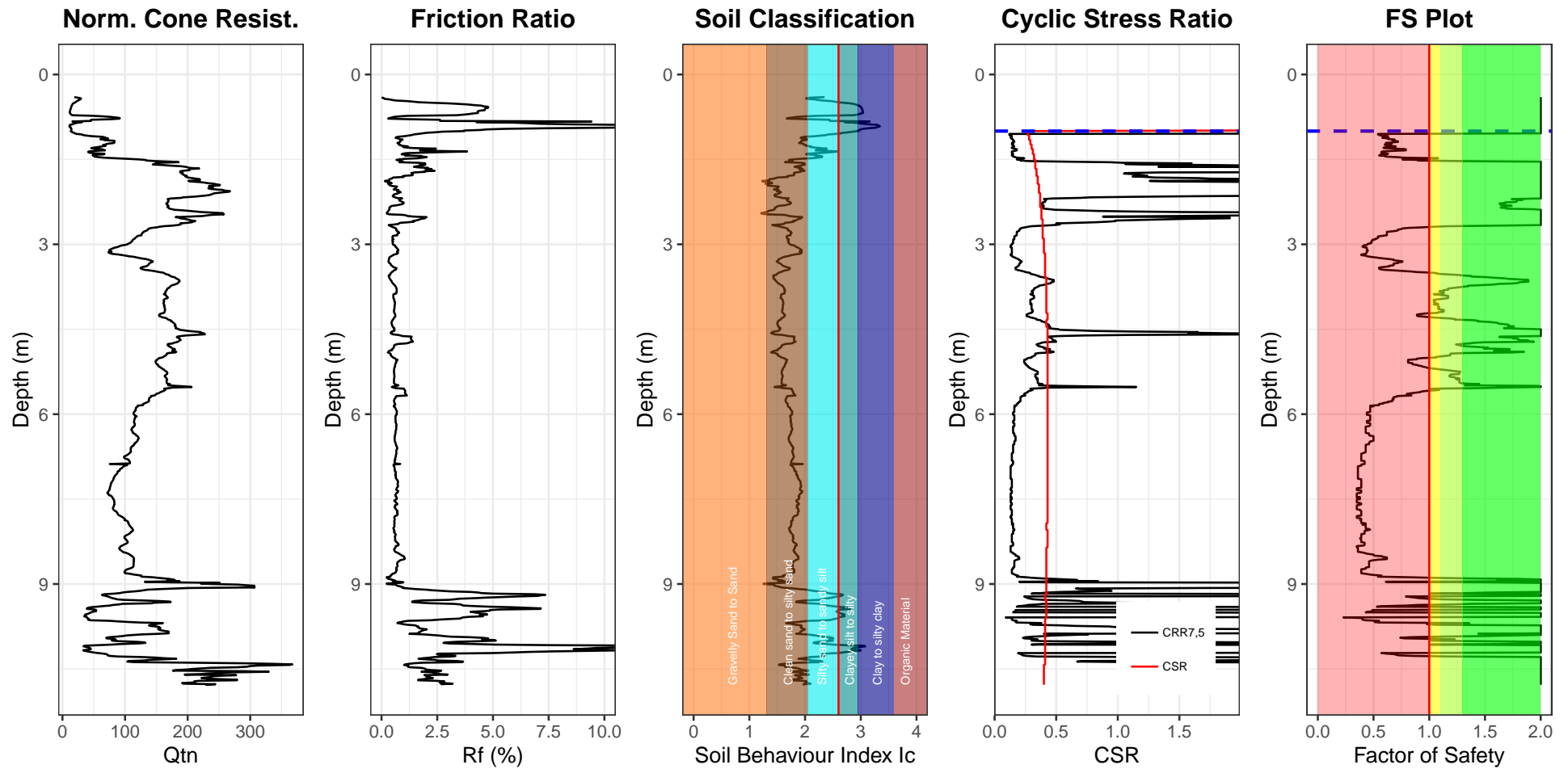
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.4
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620339 , 5428959

Raw Data Plots - CPT_134845



CPT_134845



Outputs for CPT_134845:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
111	17	25

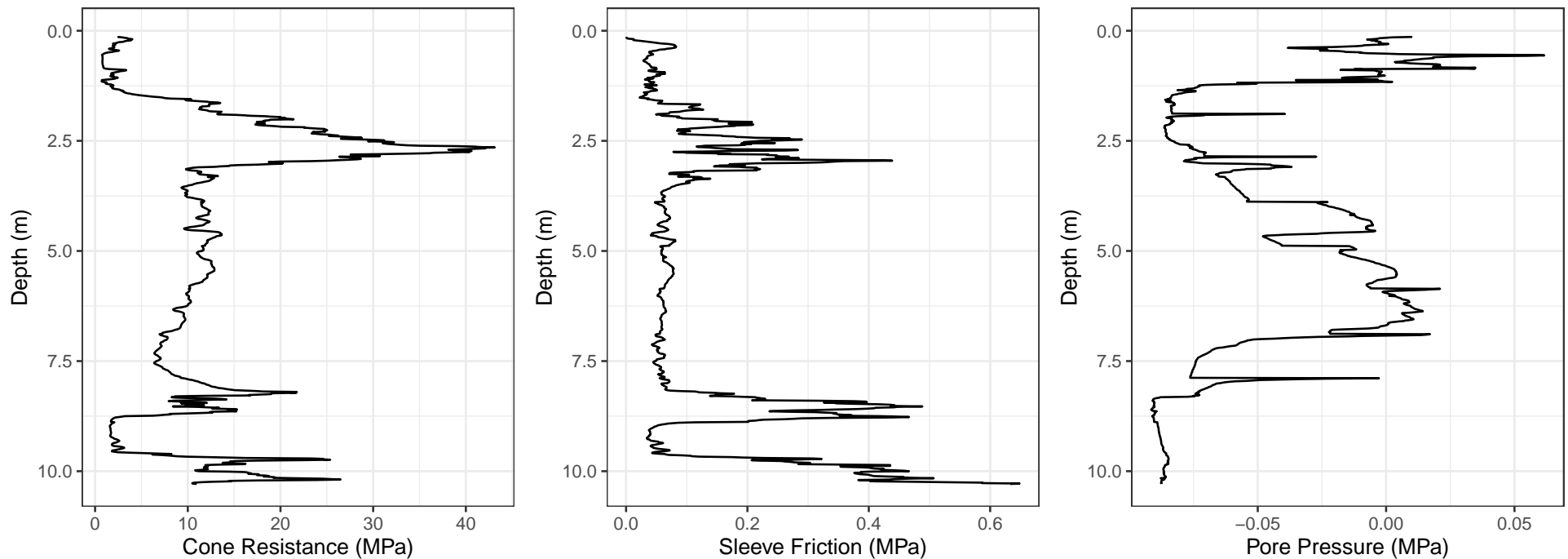
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

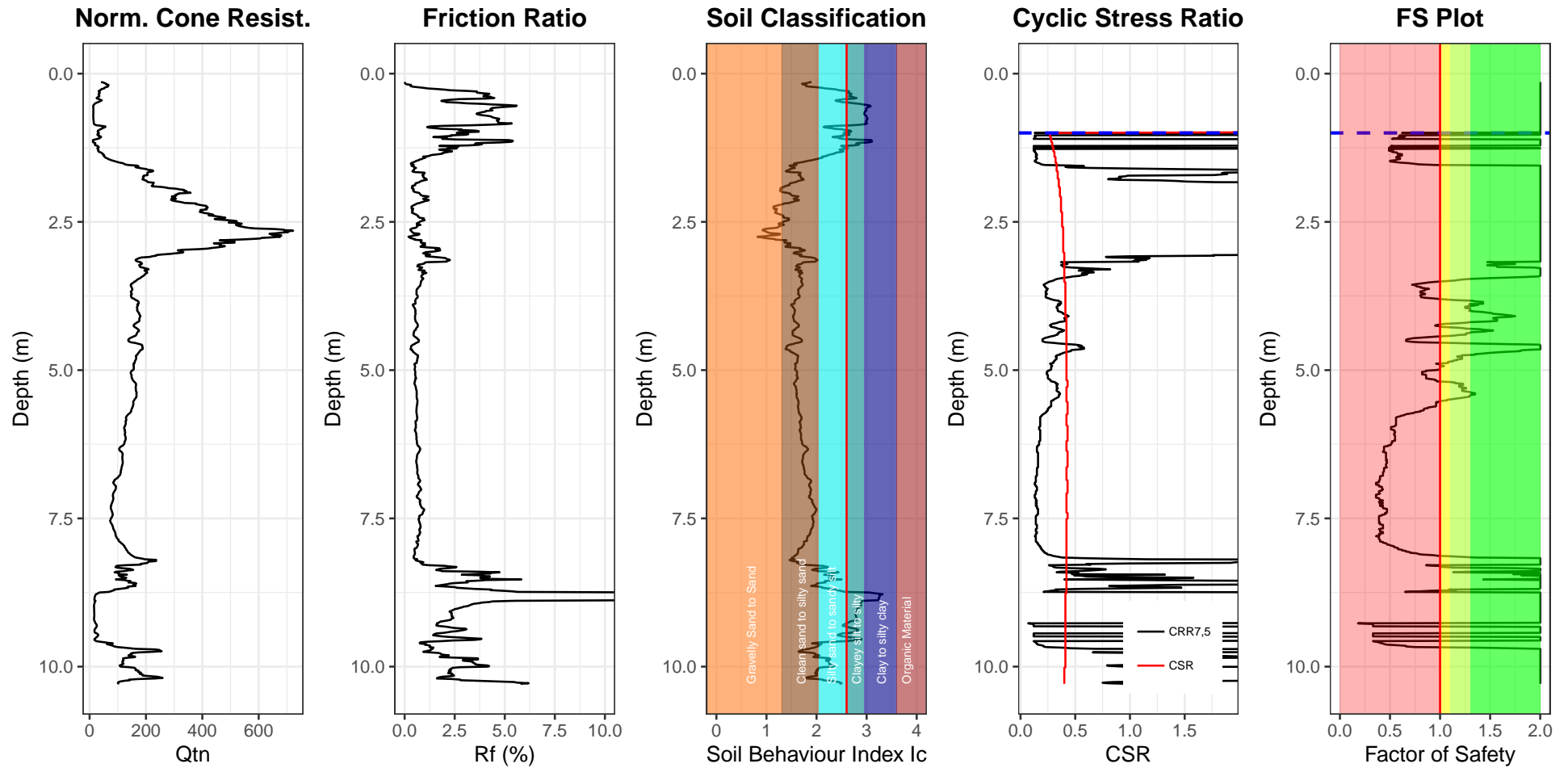
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.14
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620381 , 5428958

Raw Data Plots - CPT_134847



CPT_134847



Outputs for CPT_134847:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
80	12	18

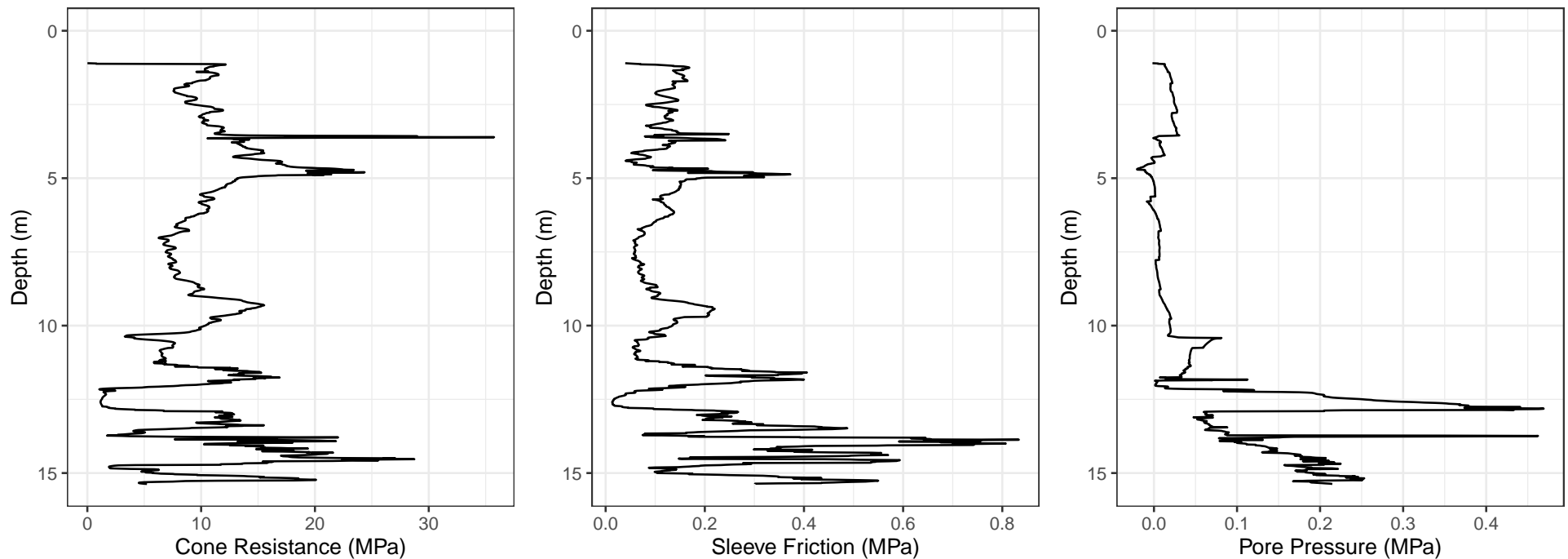
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

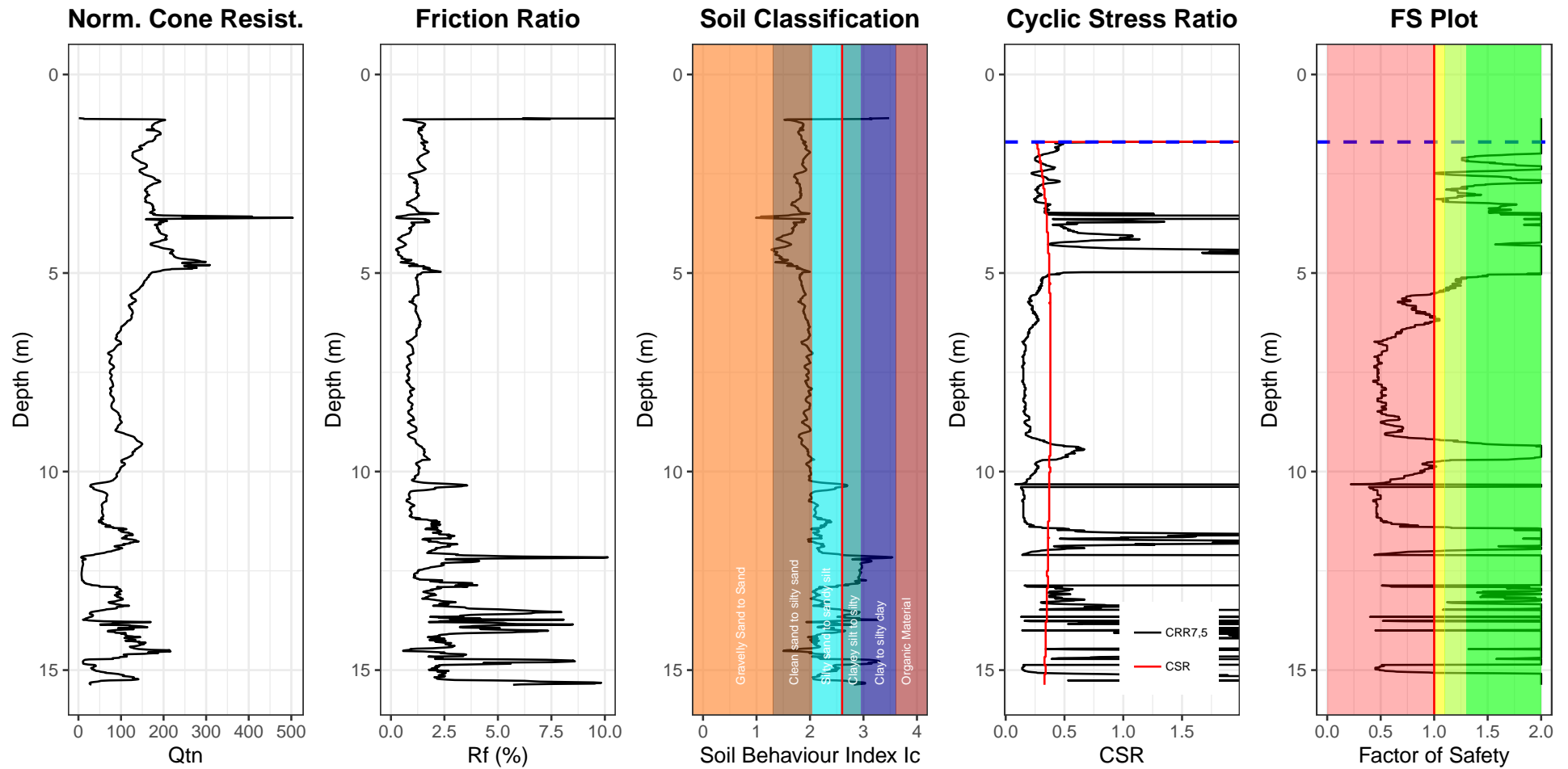
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.7
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.1
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619746 , 5428470

Raw Data Plots - CPT_157910



CPT_157910



Outputs for CPT_157910:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
108	12	13

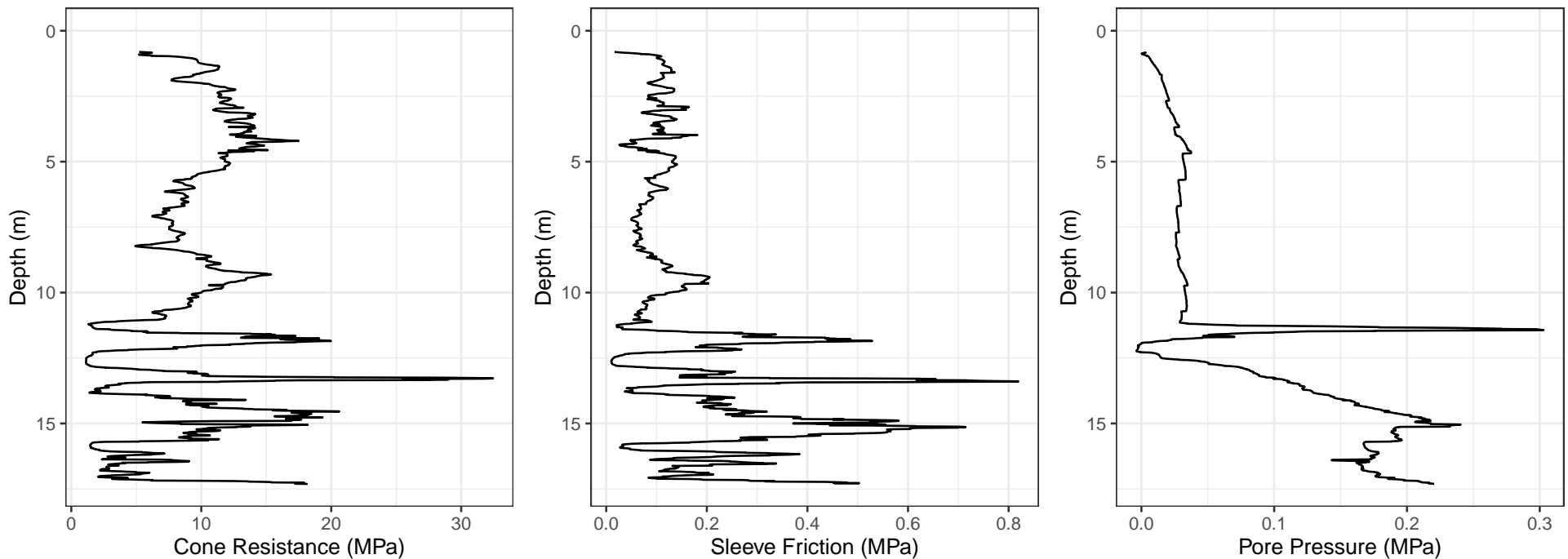
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

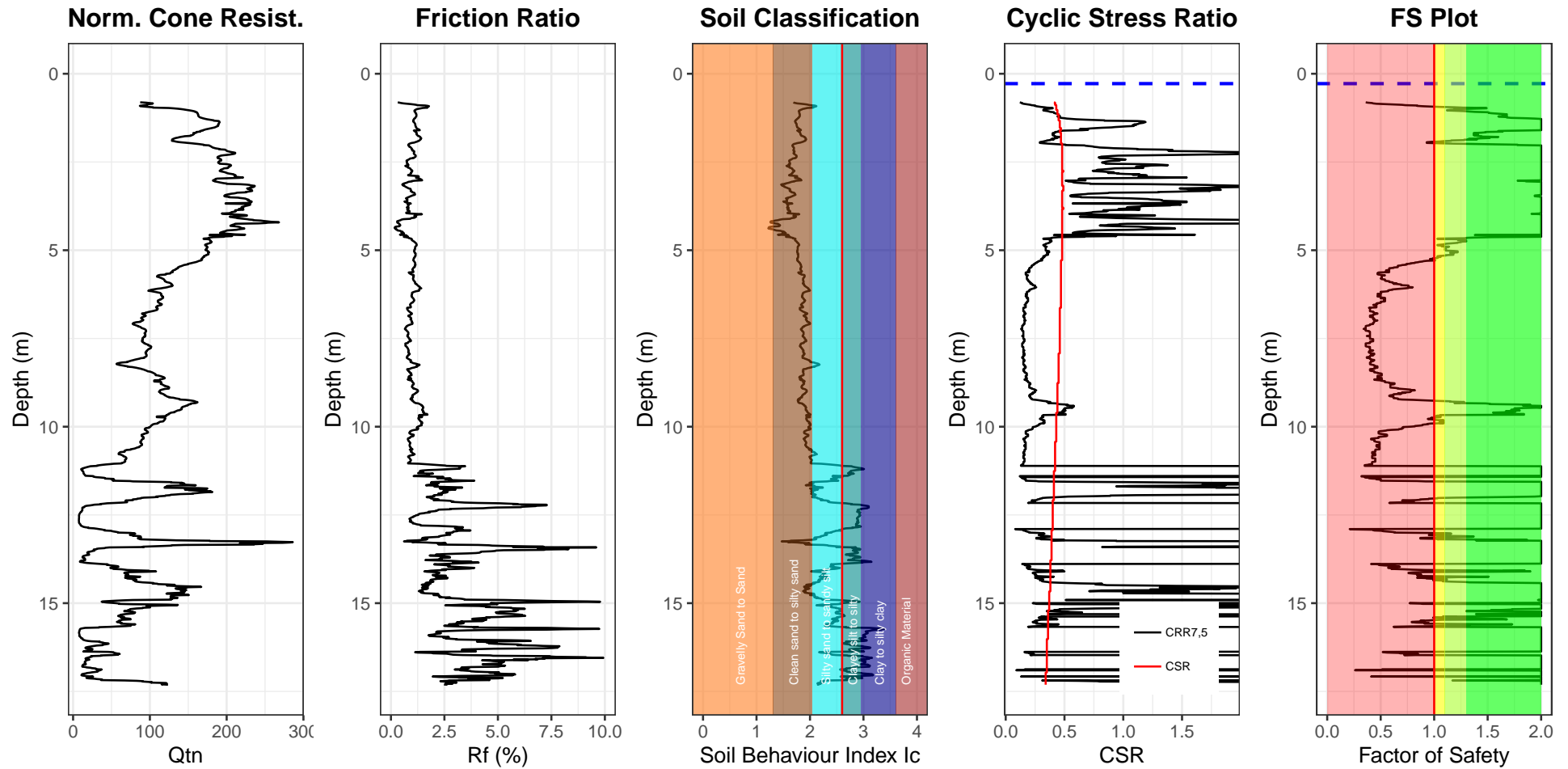
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	0.28
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.81
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1619735 , 5428471

Raw Data Plots - CPT_157911



CPT_157911



Outputs for CPT_157911:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
128	17	19

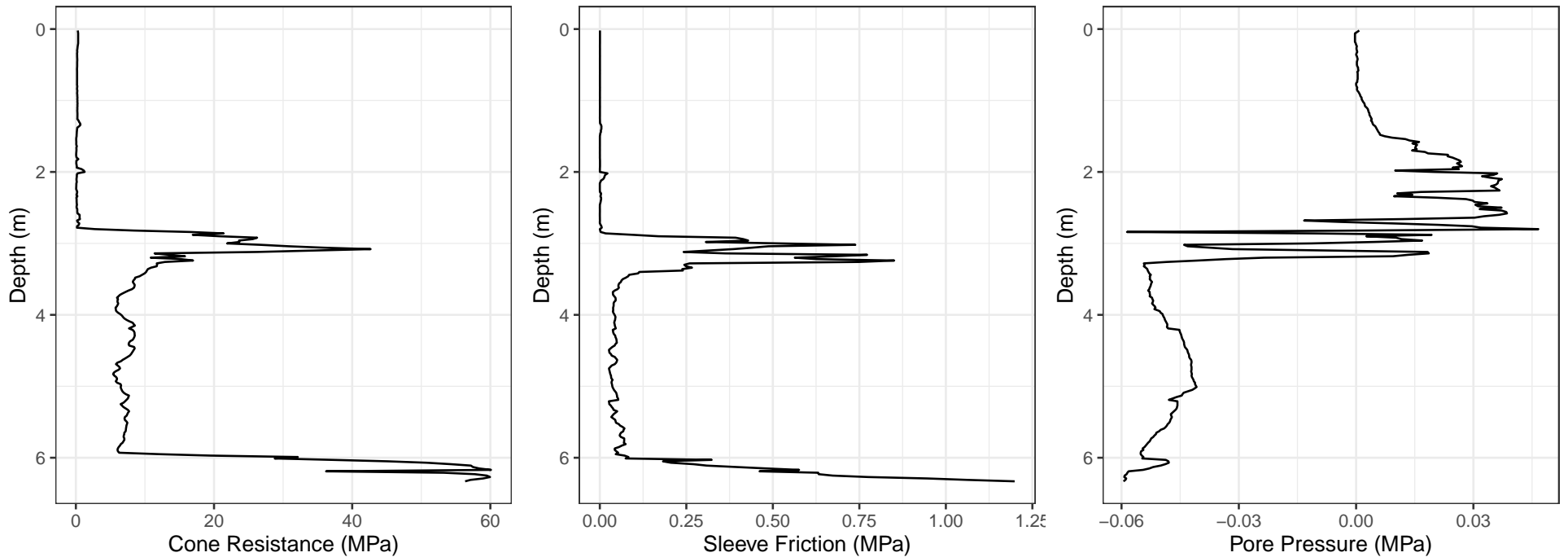
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

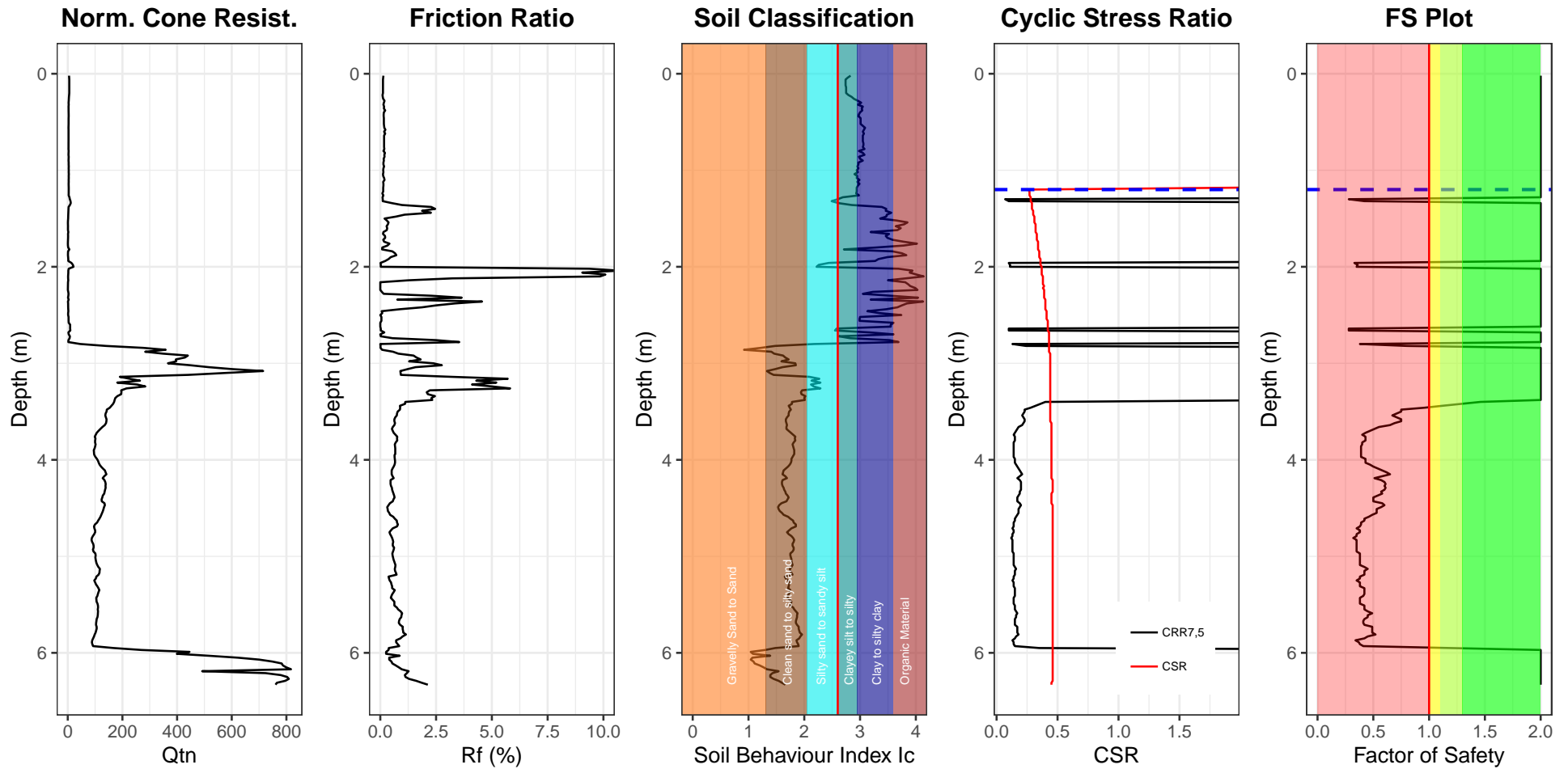
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620613 , 5429471

Raw Data Plots - CPT_160186



CPT_160186



Outputs for CPT_160186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
62	11	17

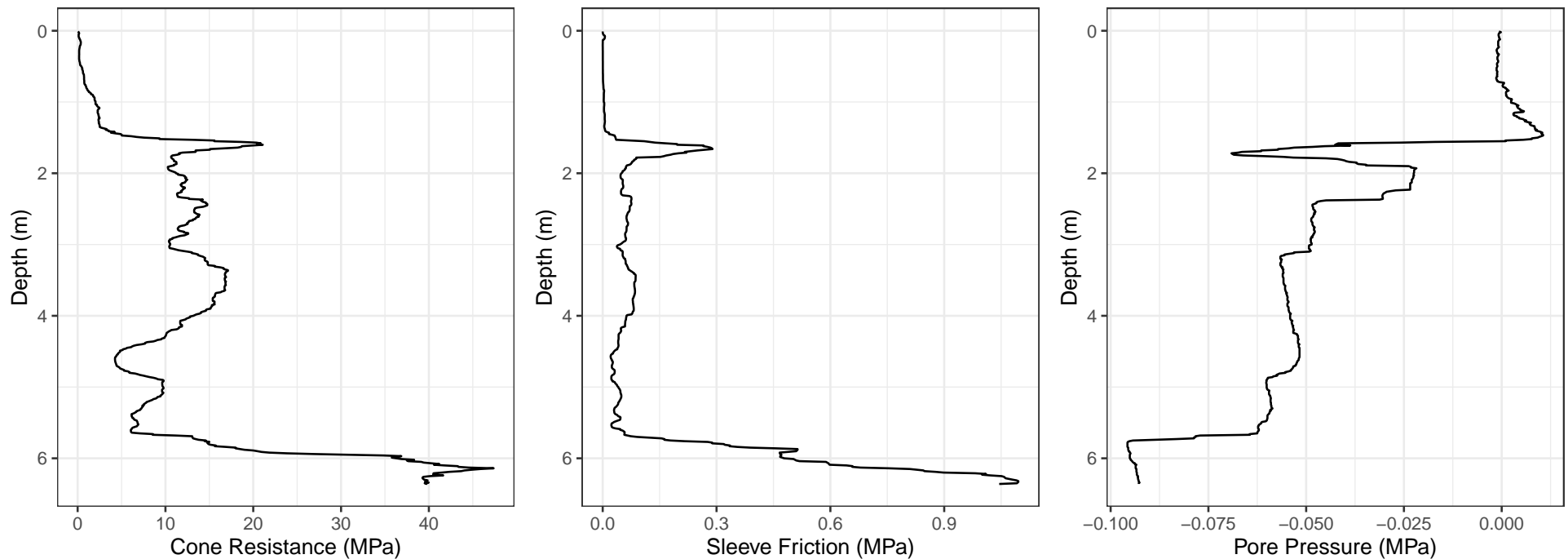
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

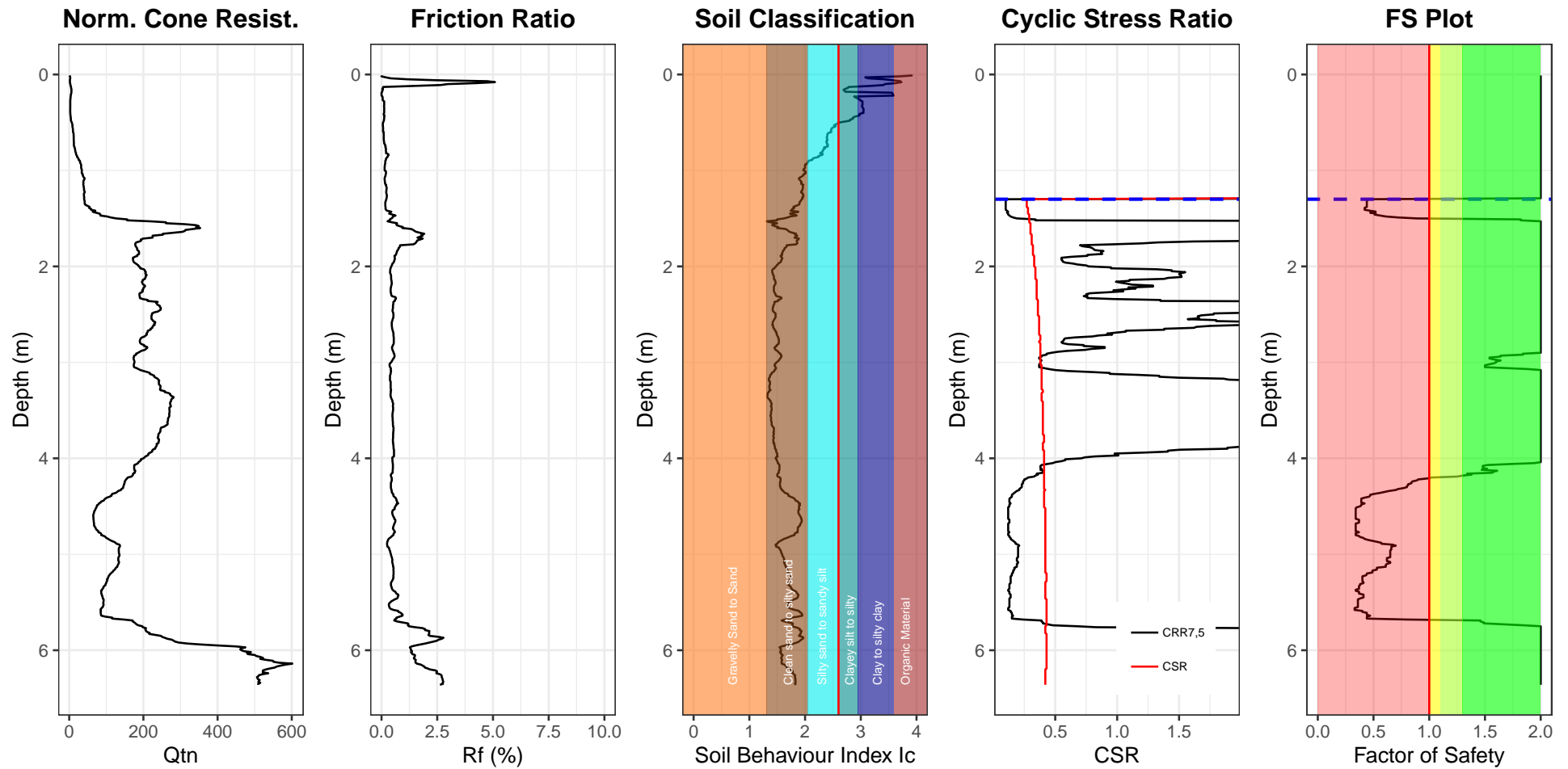
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620783 , 5429841

Raw Data Plots - CPT_170171



CPT_170171



Outputs for CPT_170171:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
39	7	11

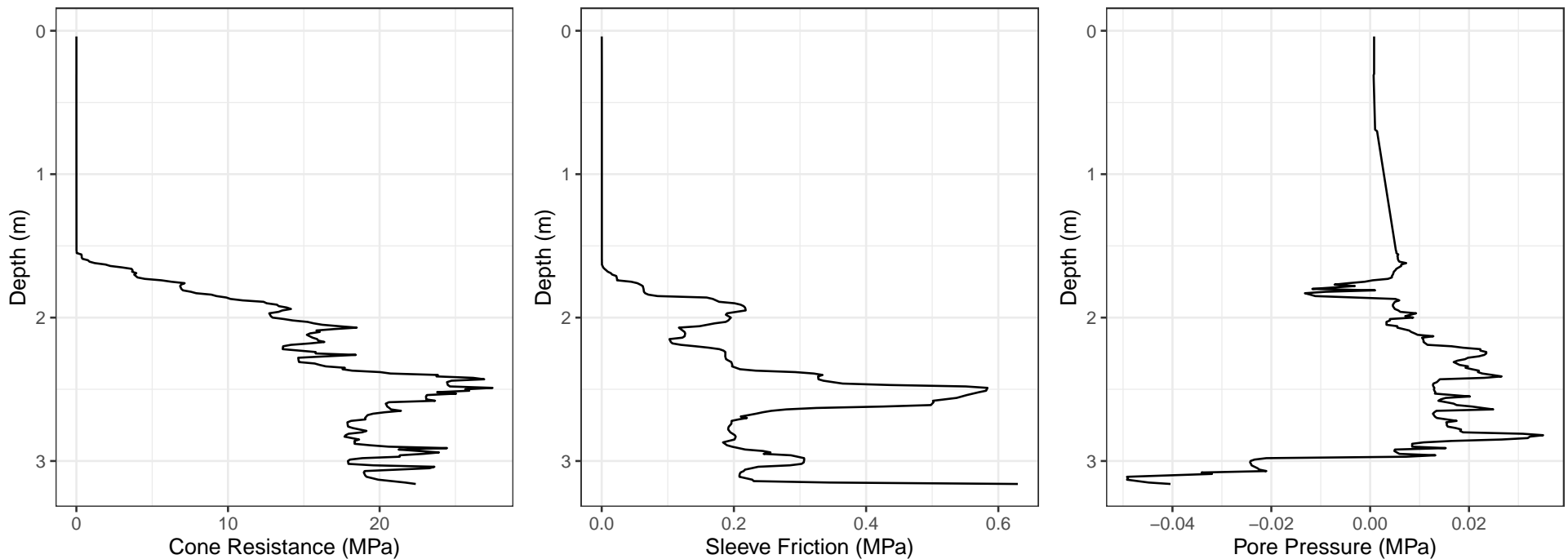
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

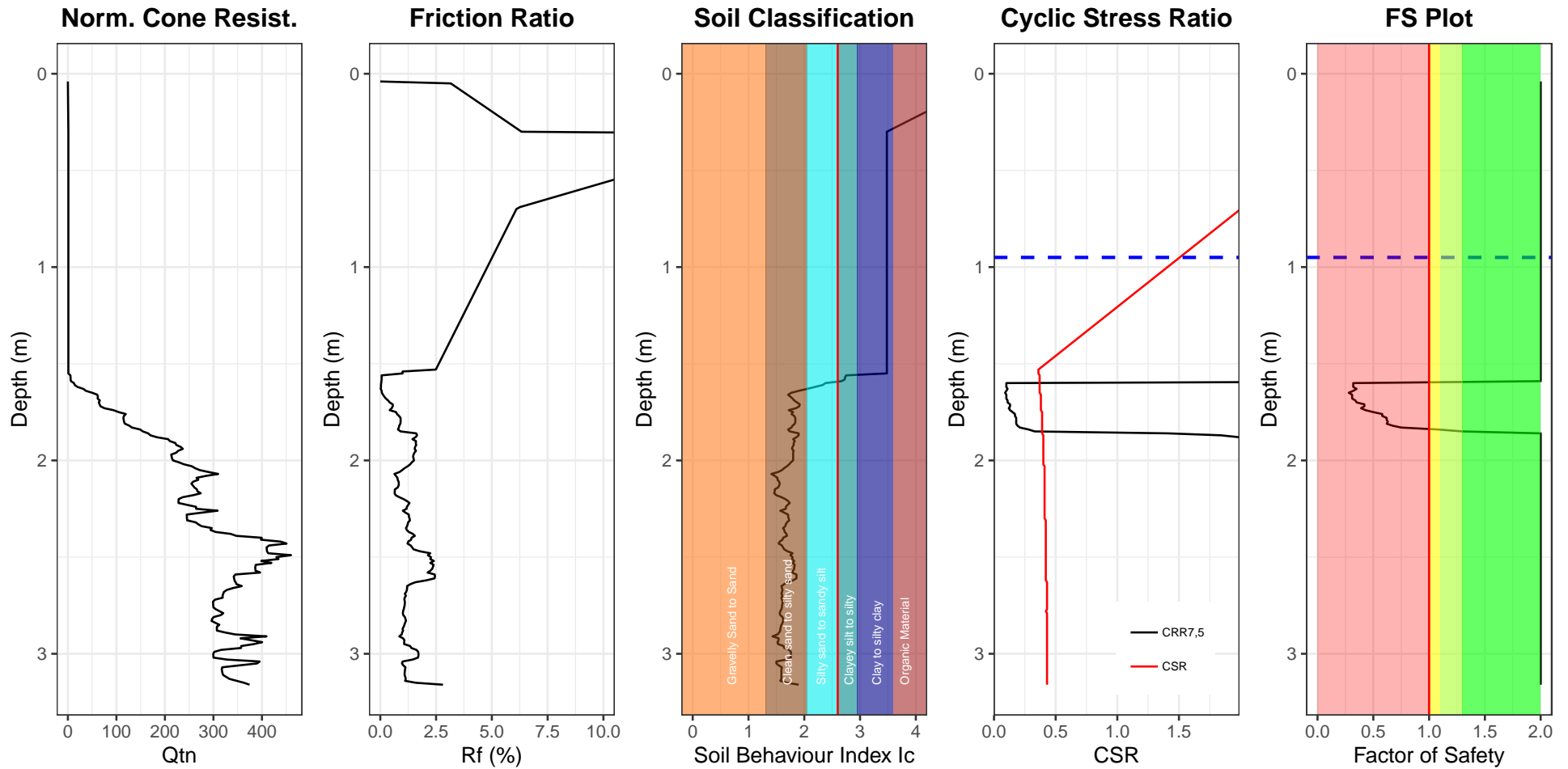
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	0.95
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.04
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620650 , 5429630

Raw Data Plots - CPT_170172



CPT_170172



Outputs for CPT_170172:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
7	1	4

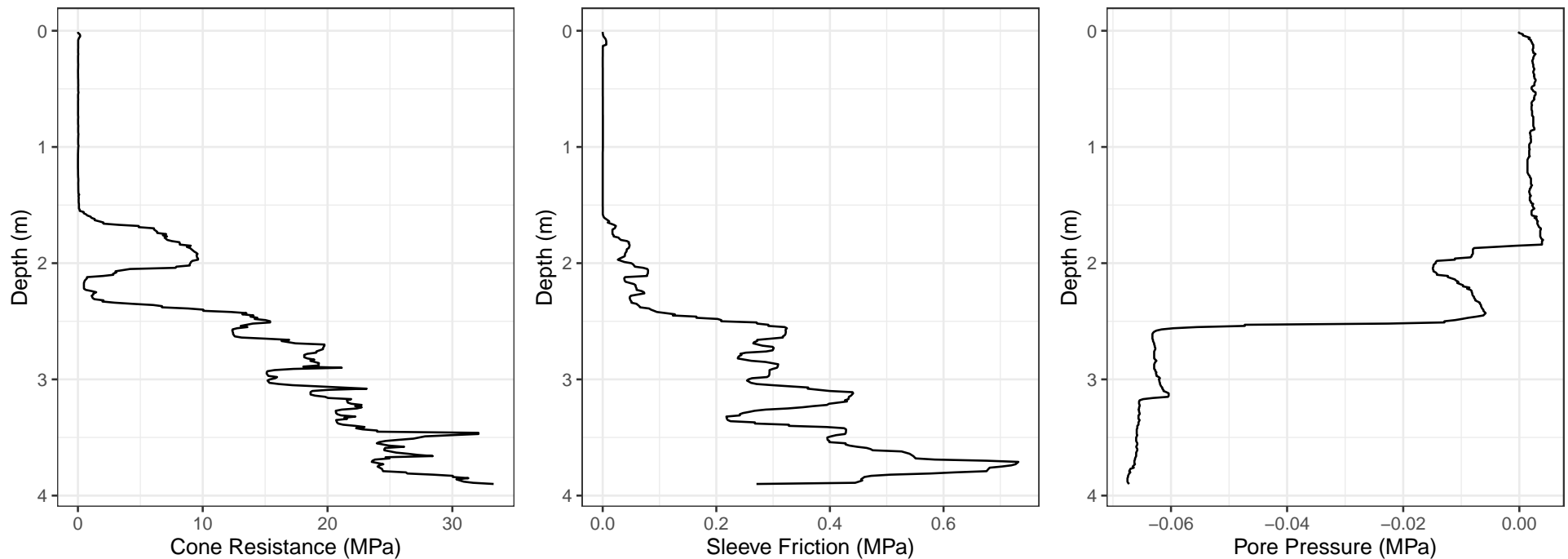
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

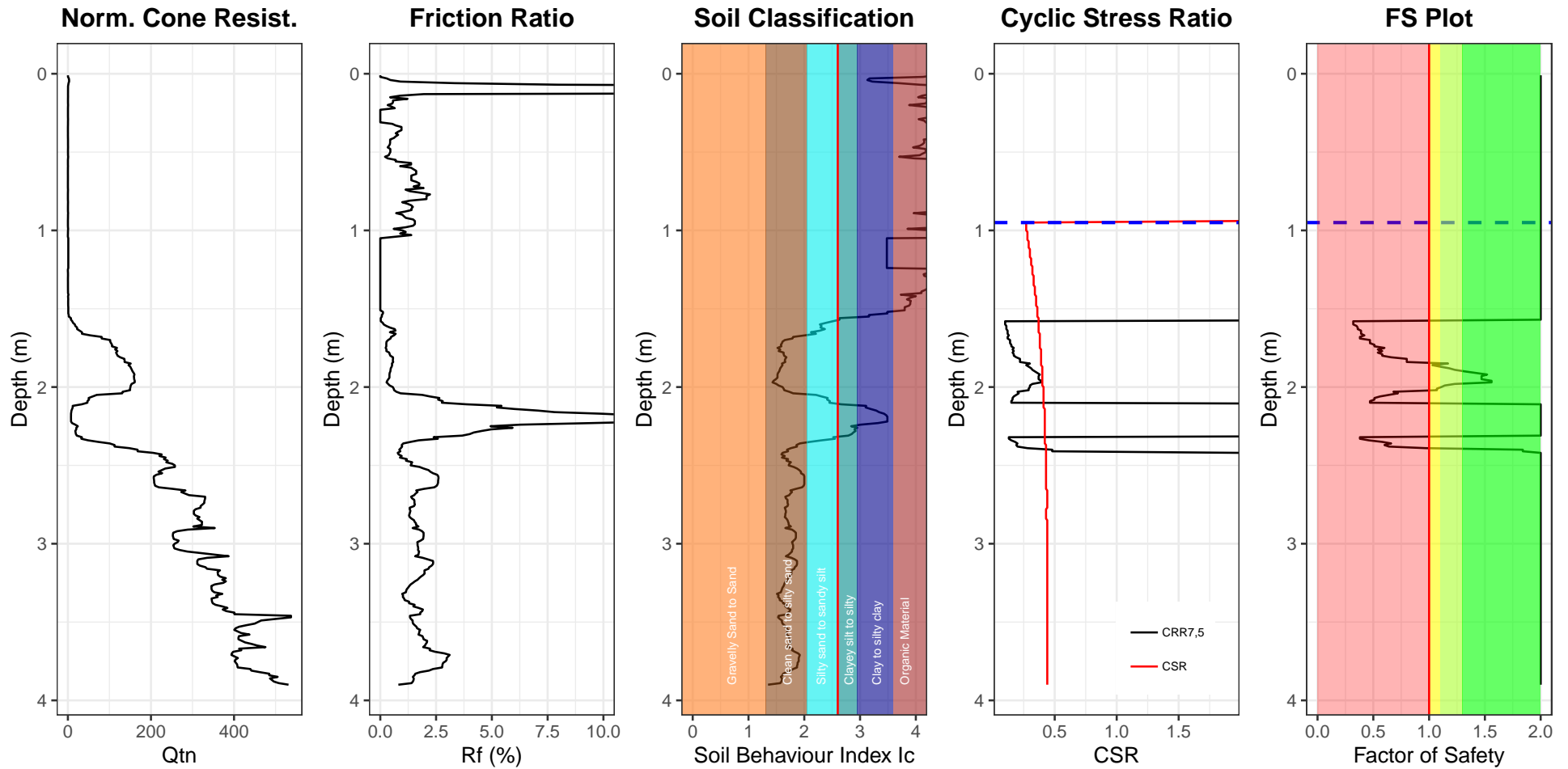
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170174



CPT_170174



Outputs for CPT_170174:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
10	2	5

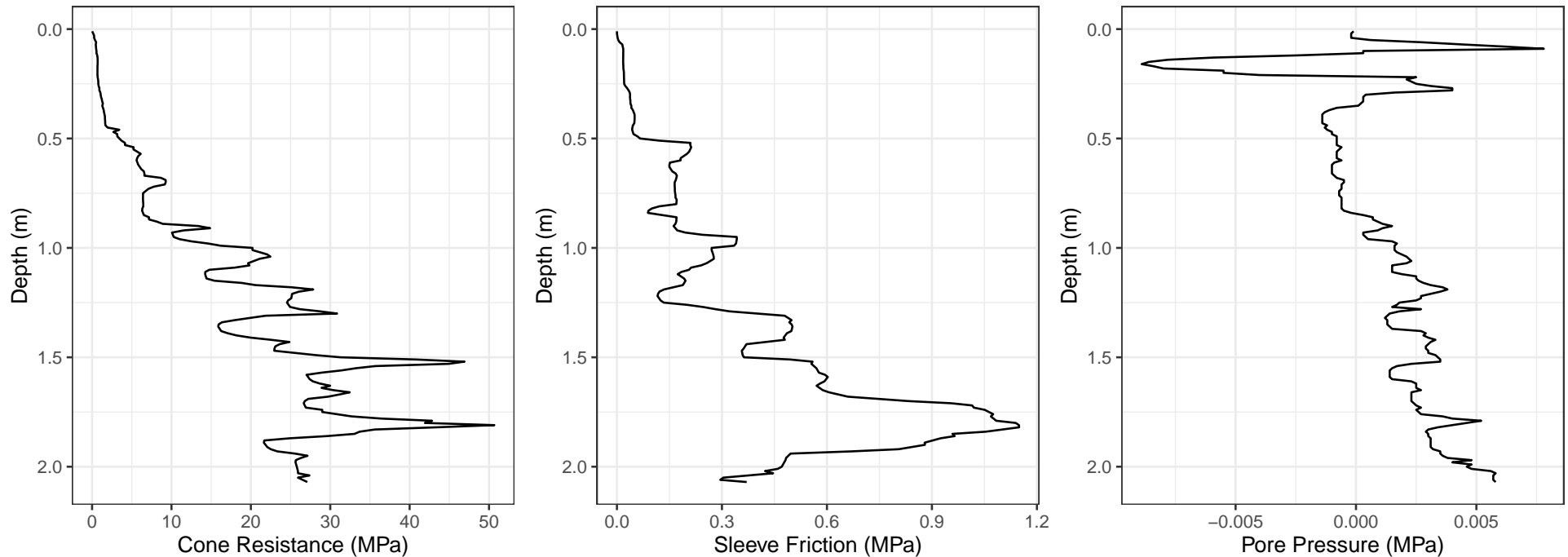
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

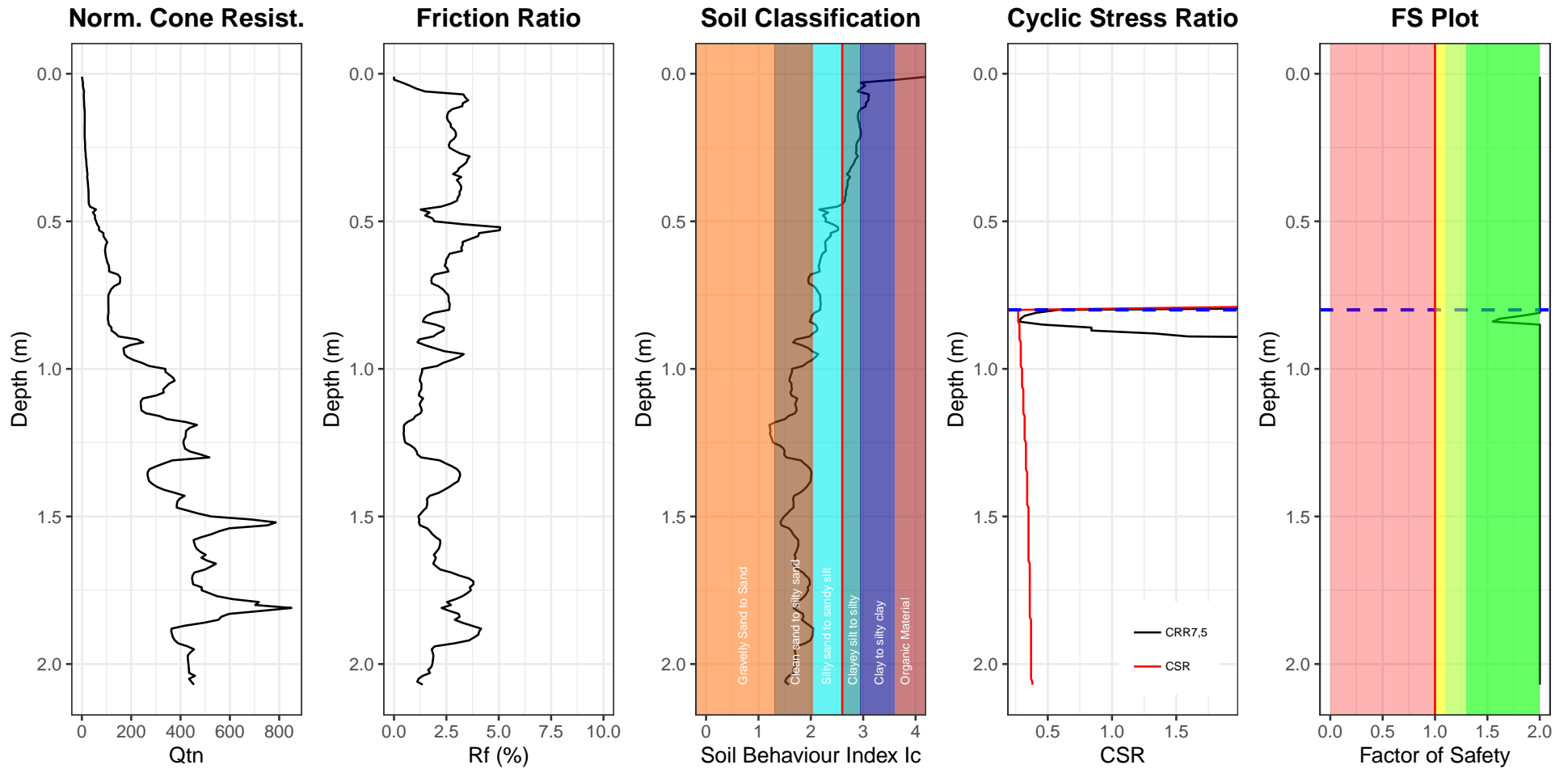
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620619 , 5429650

Raw Data Plots - CPT_170175



CPT_170175



Outputs for CPT_170175:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

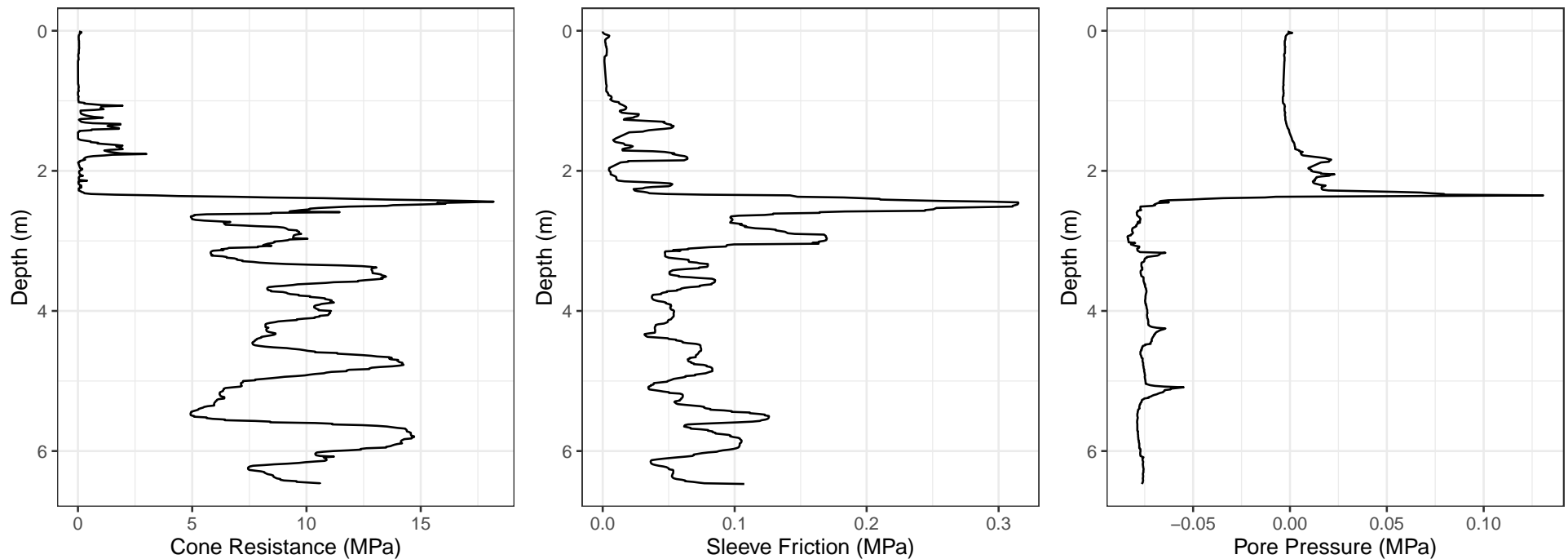
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

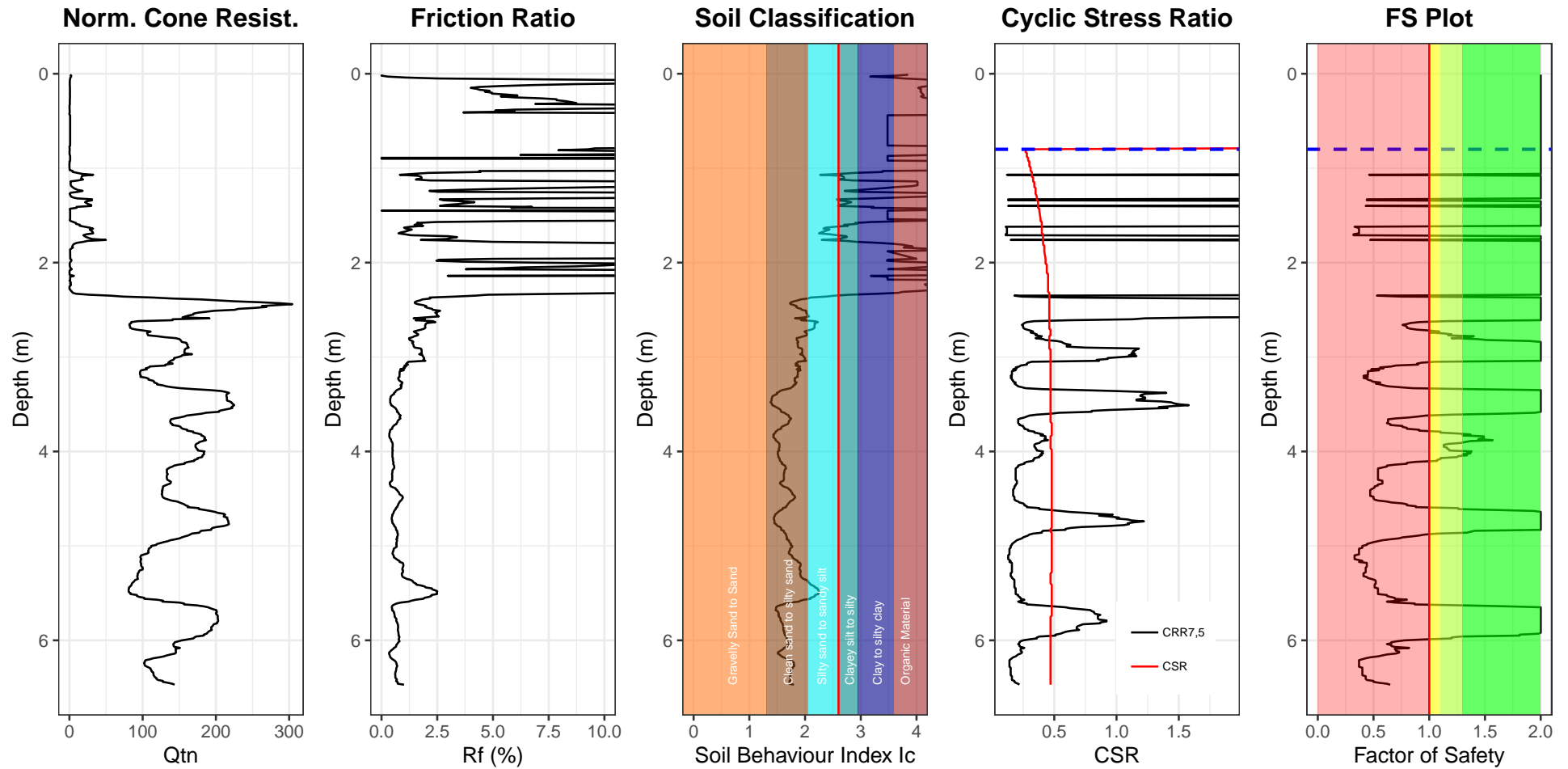
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429650

Raw Data Plots - CPT_170176



CPT_170176



Outputs for CPT_170176:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
47	8	12

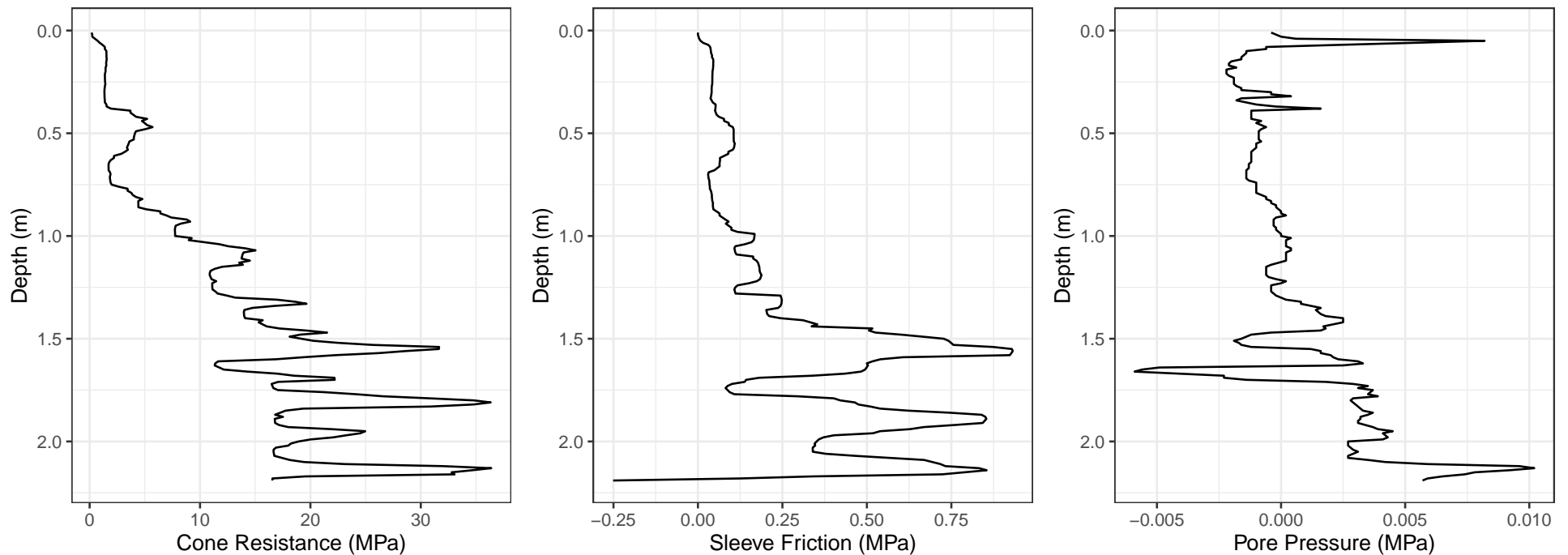
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

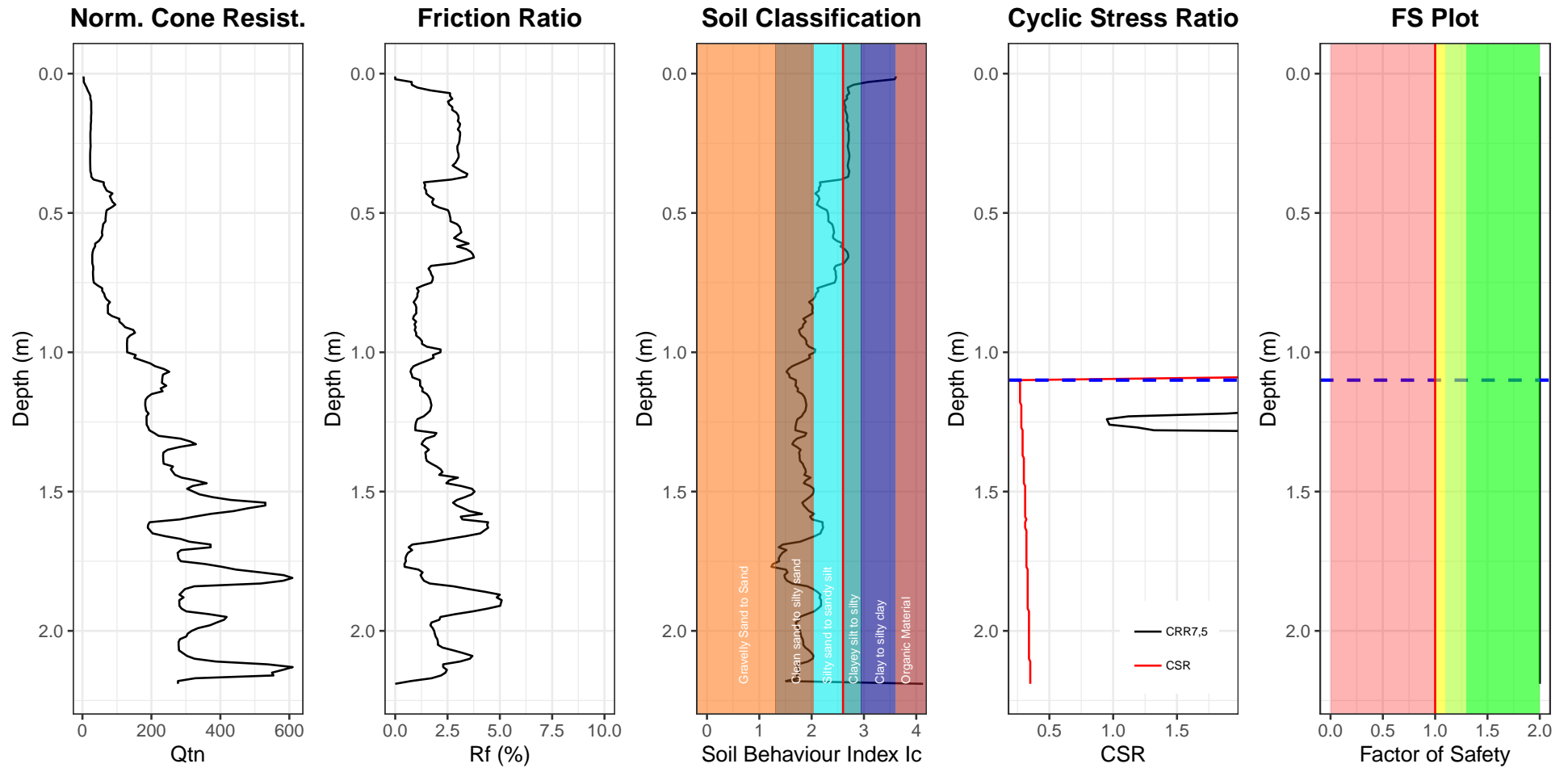
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170177



CPT_170177



Outputs for CPT_170177:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

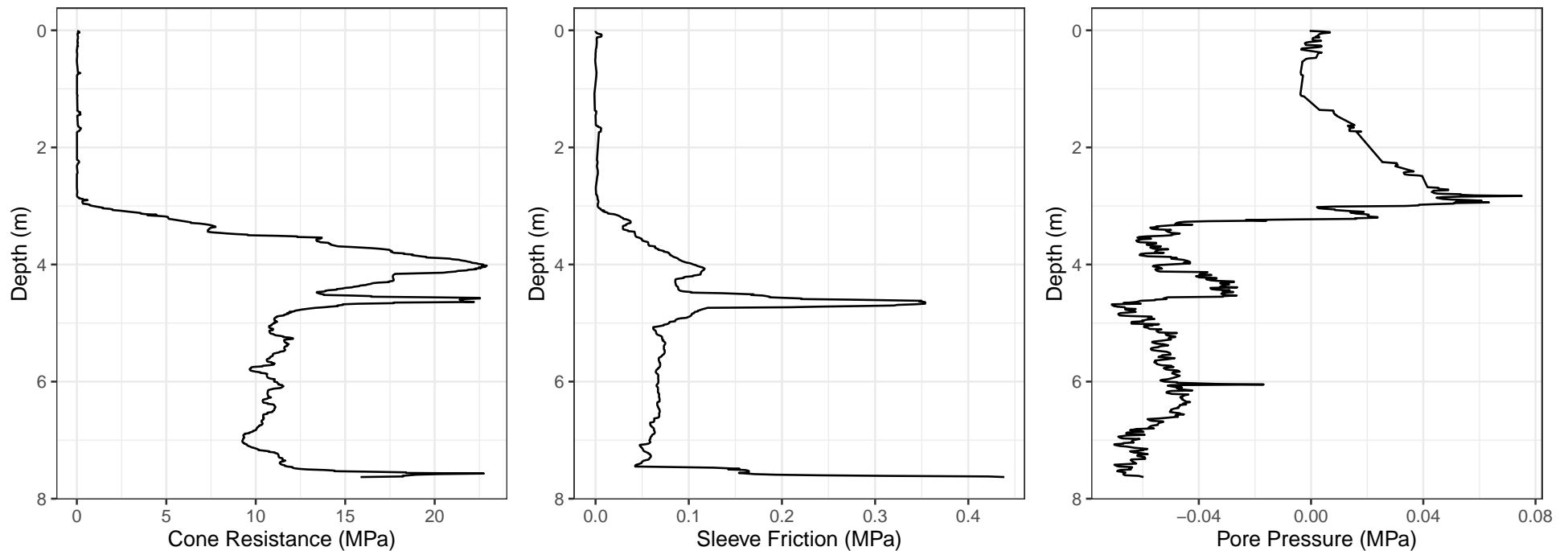
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

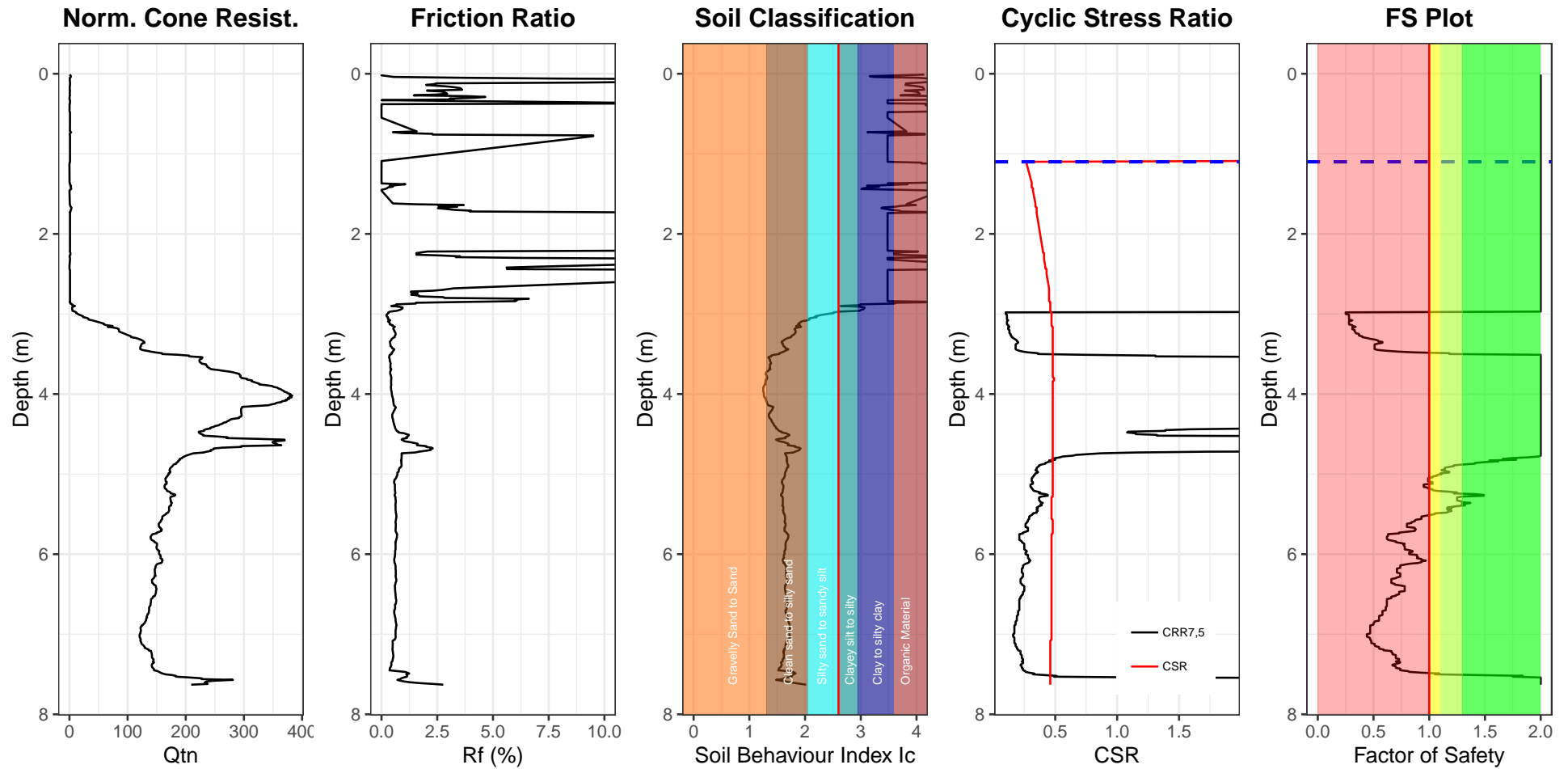
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620508 , 5429562

Raw Data Plots - CPT_170178



CPT_170178



Outputs for CPT_170178:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
45	7	9

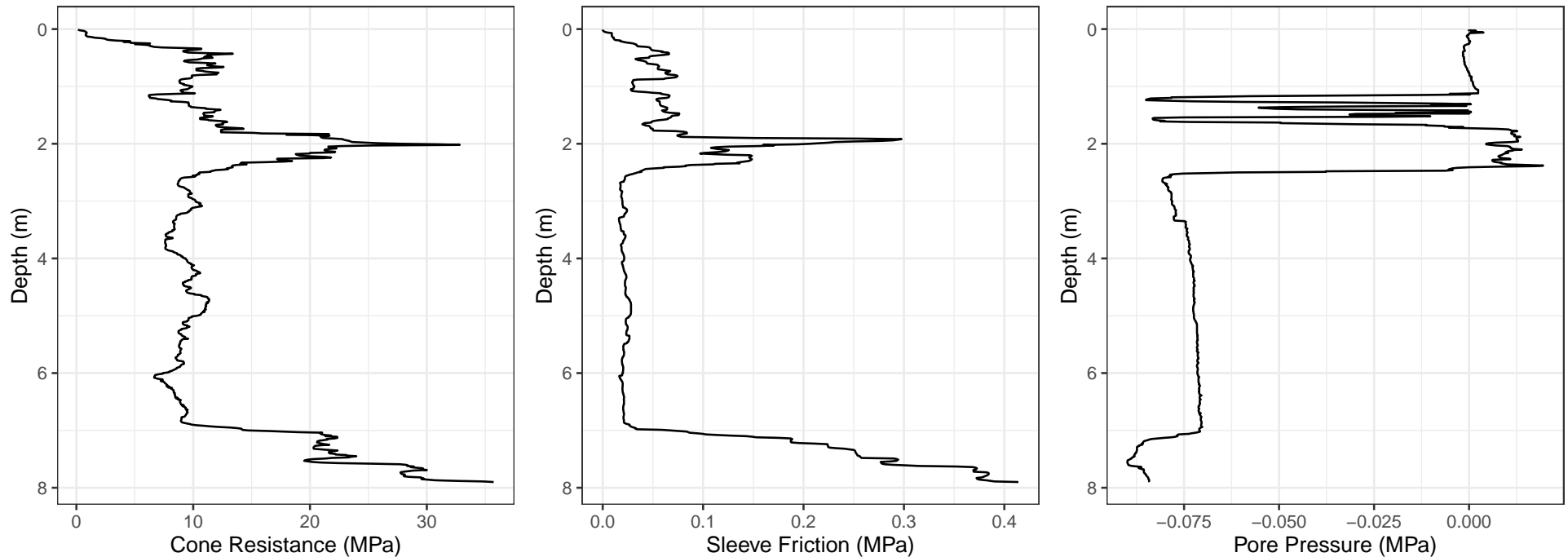
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

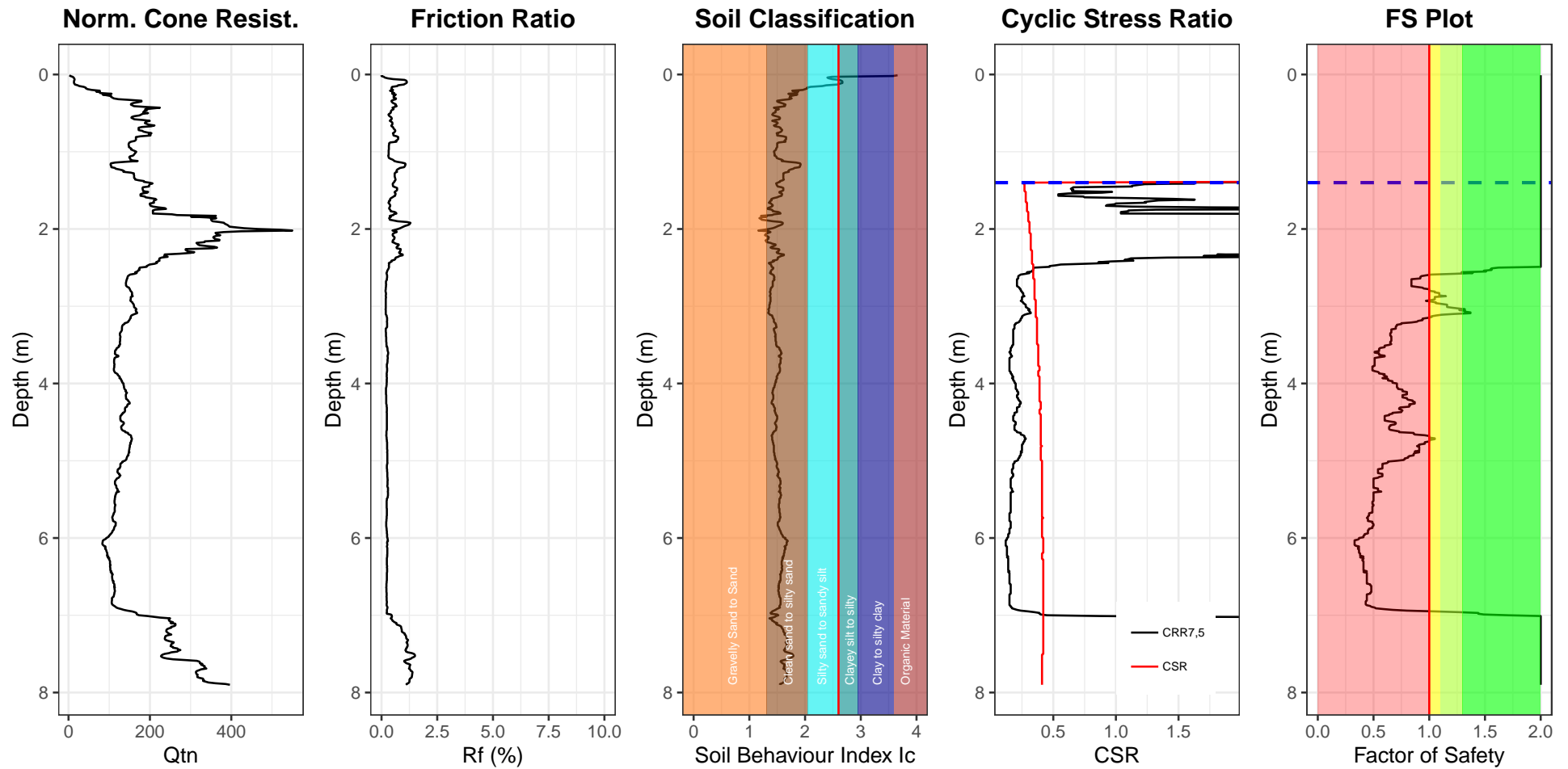
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.4
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620499 , 5429424

Raw Data Plots - CPT_170179



CPT_170179



Outputs for CPT_170179:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
76	12	16

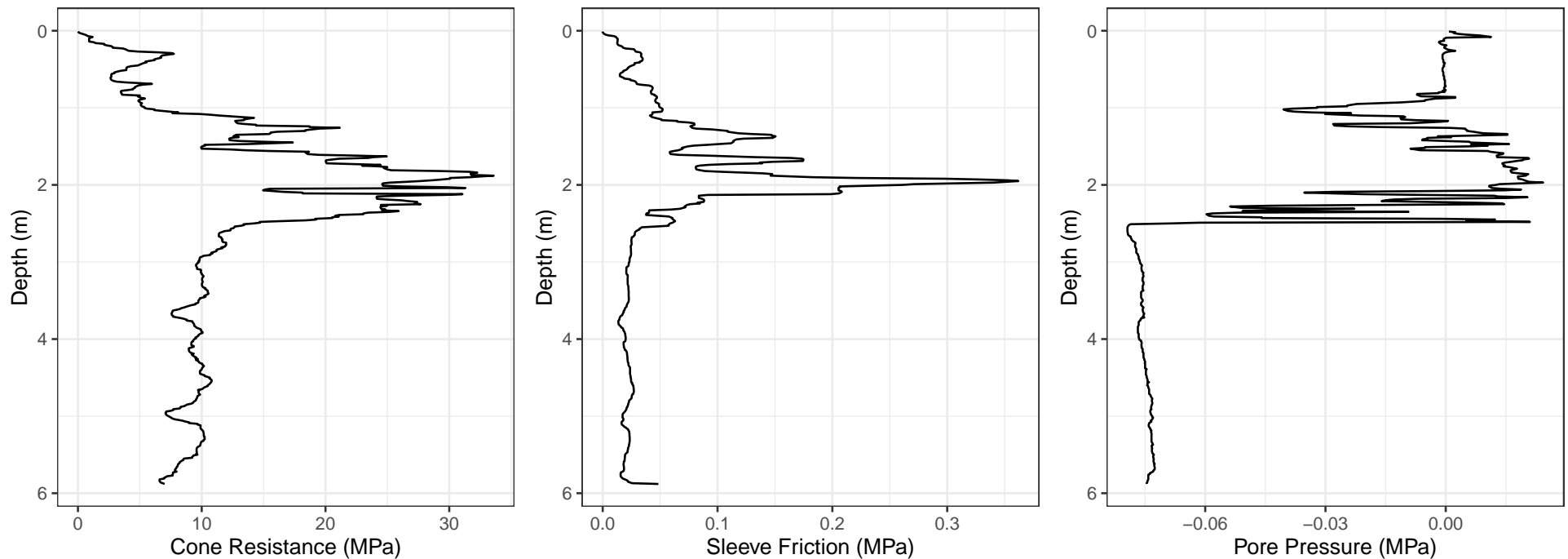
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

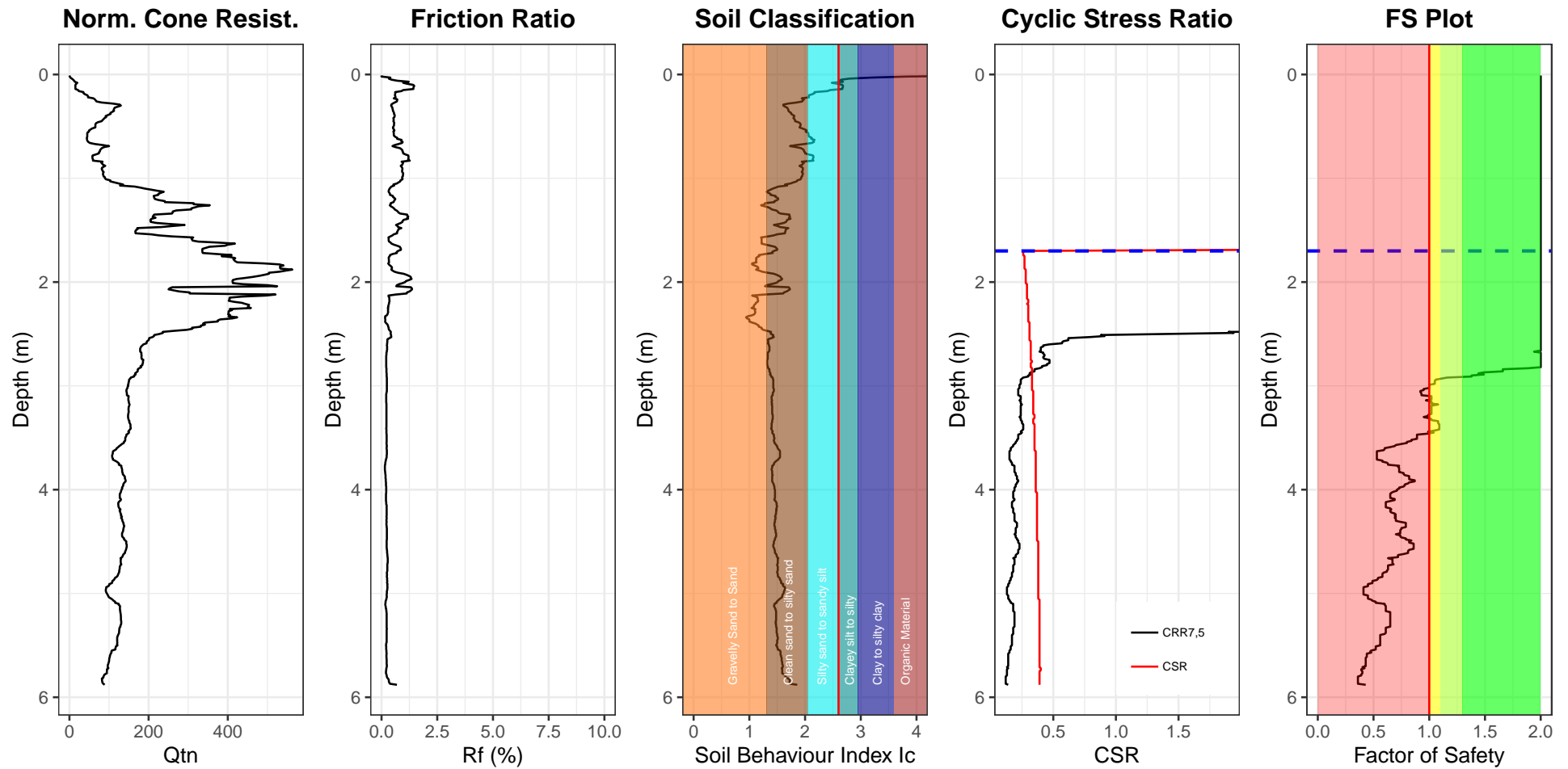
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.7
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620557 , 5429424

Raw Data Plots - CPT_170180



CPT_170180



Outputs for CPT_170180:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
49	7	11

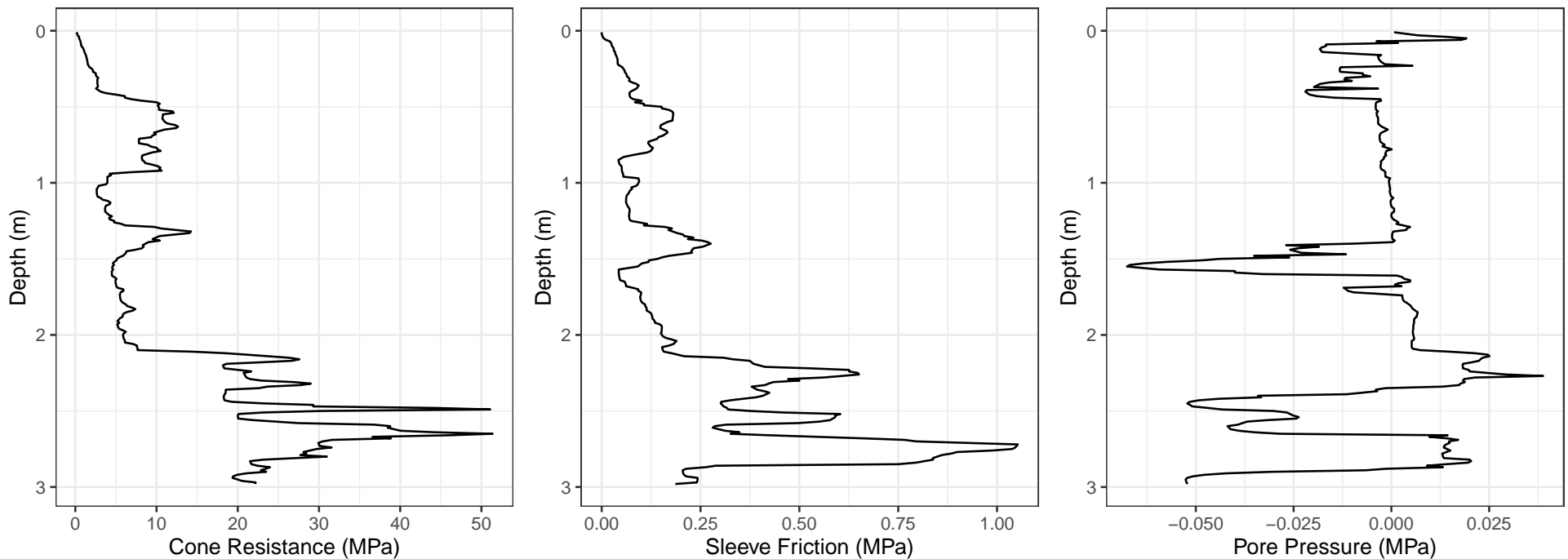
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

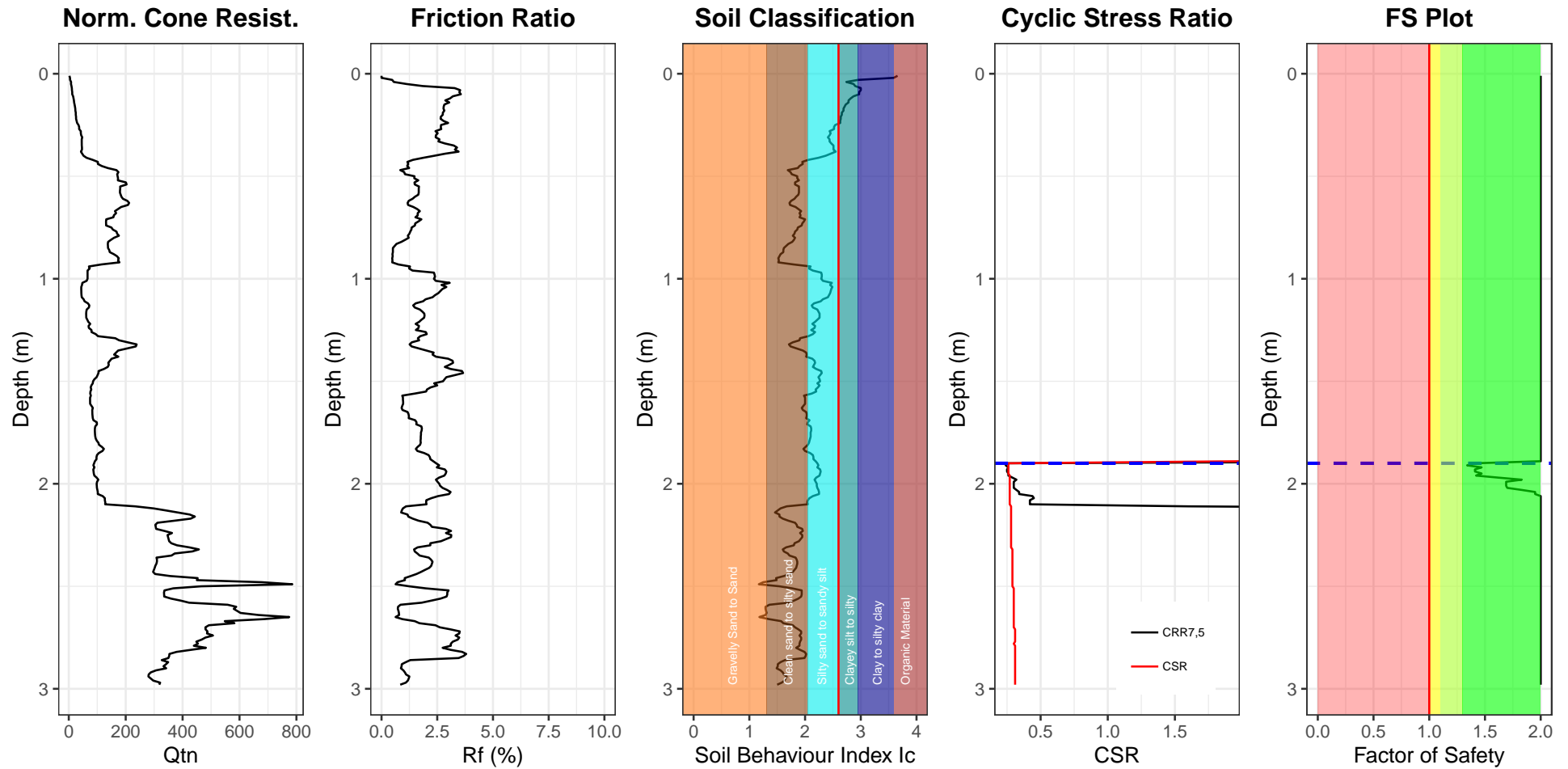
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.9
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.01
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620627 , 5429455

Raw Data Plots - CPT_170181



CPT_170181



Outputs for CPT_170181:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

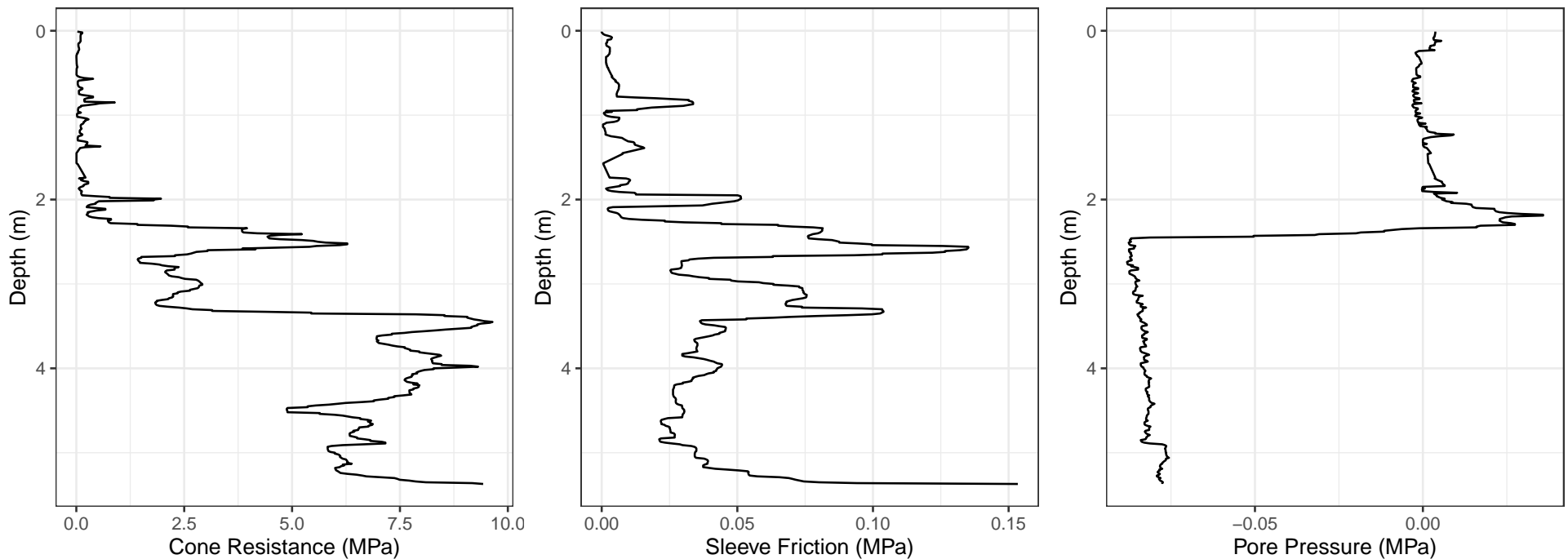
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

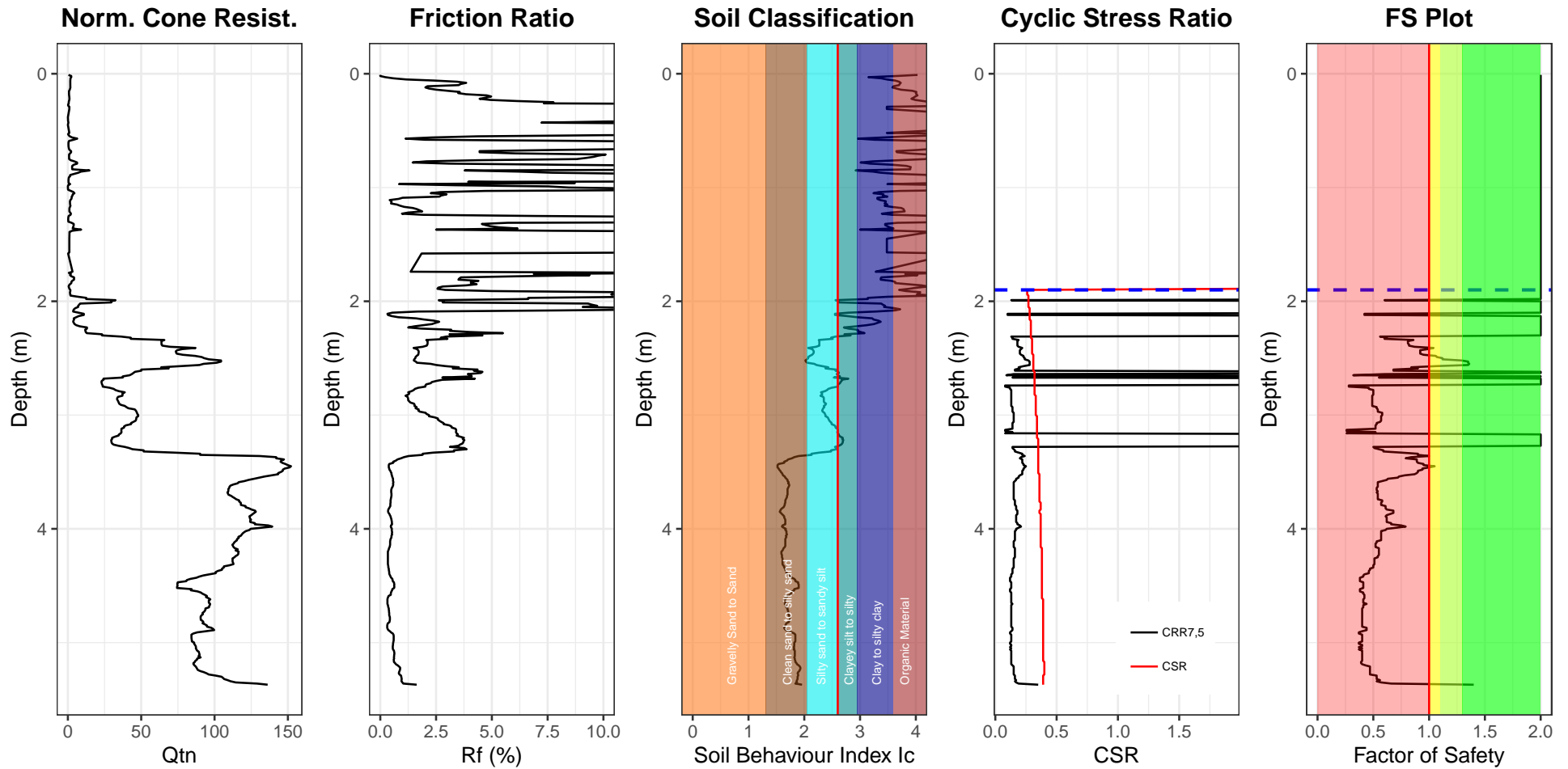
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.9
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620627 , 5429455

Raw Data Plots - CPT_170182



CPT_170182



Outputs for CPT_170182:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
62	10	17

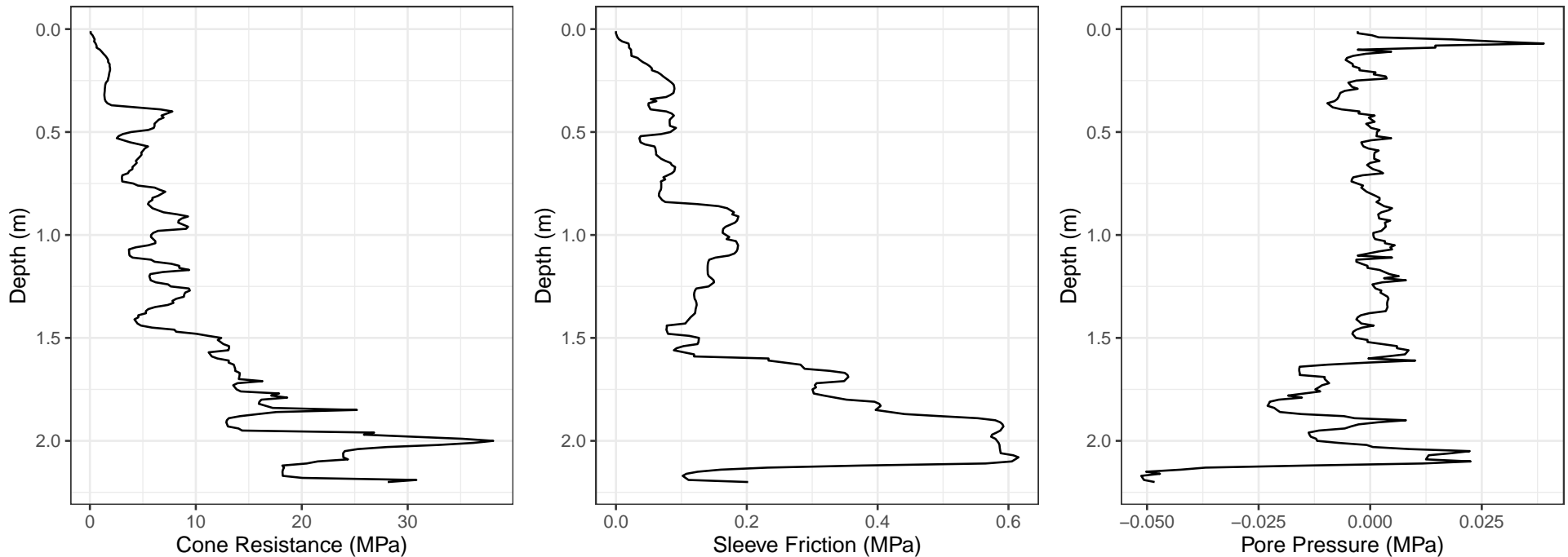
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

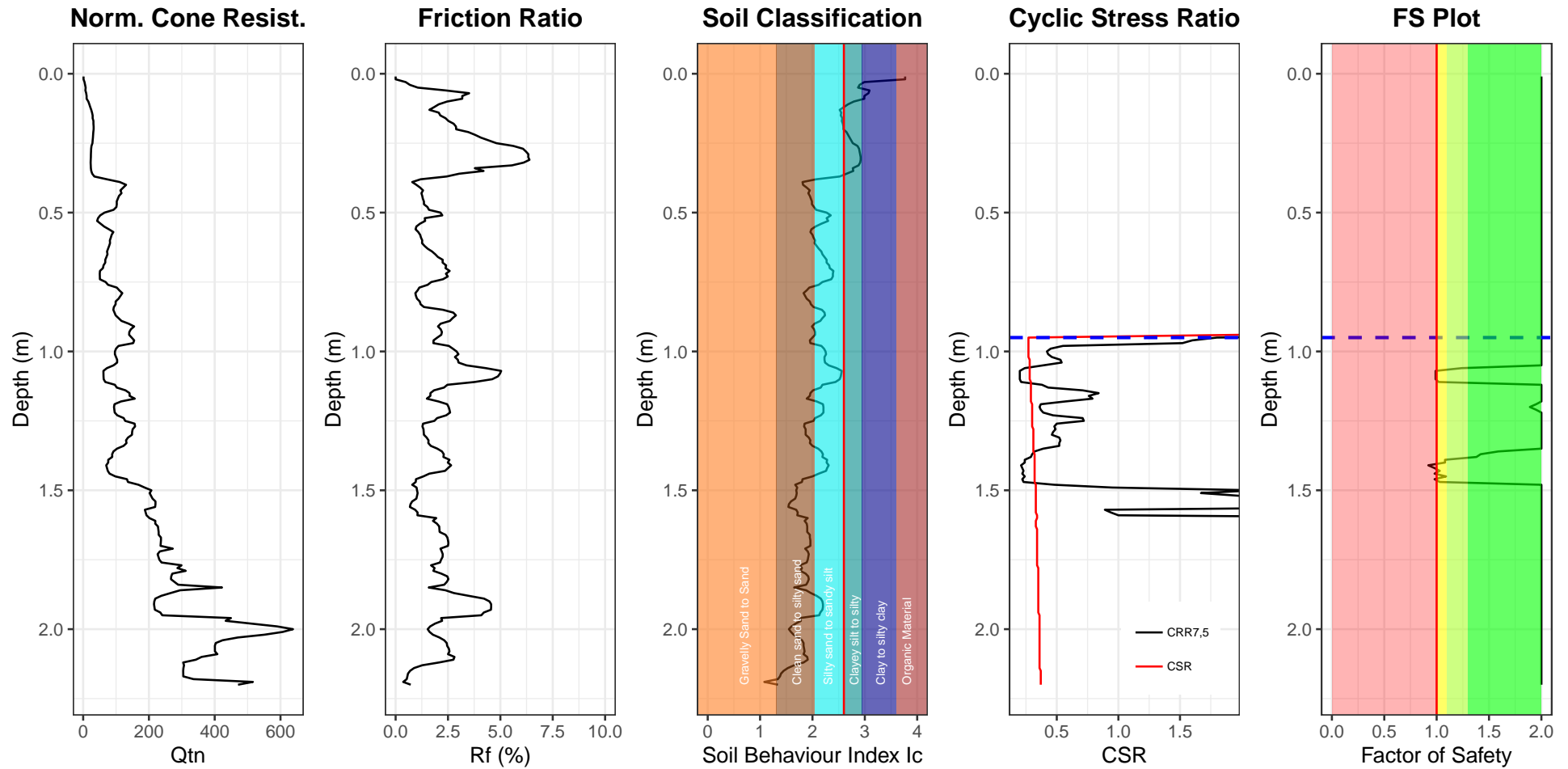
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170183



CPT_170183



Outputs for CPT_170183:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
1	0	1

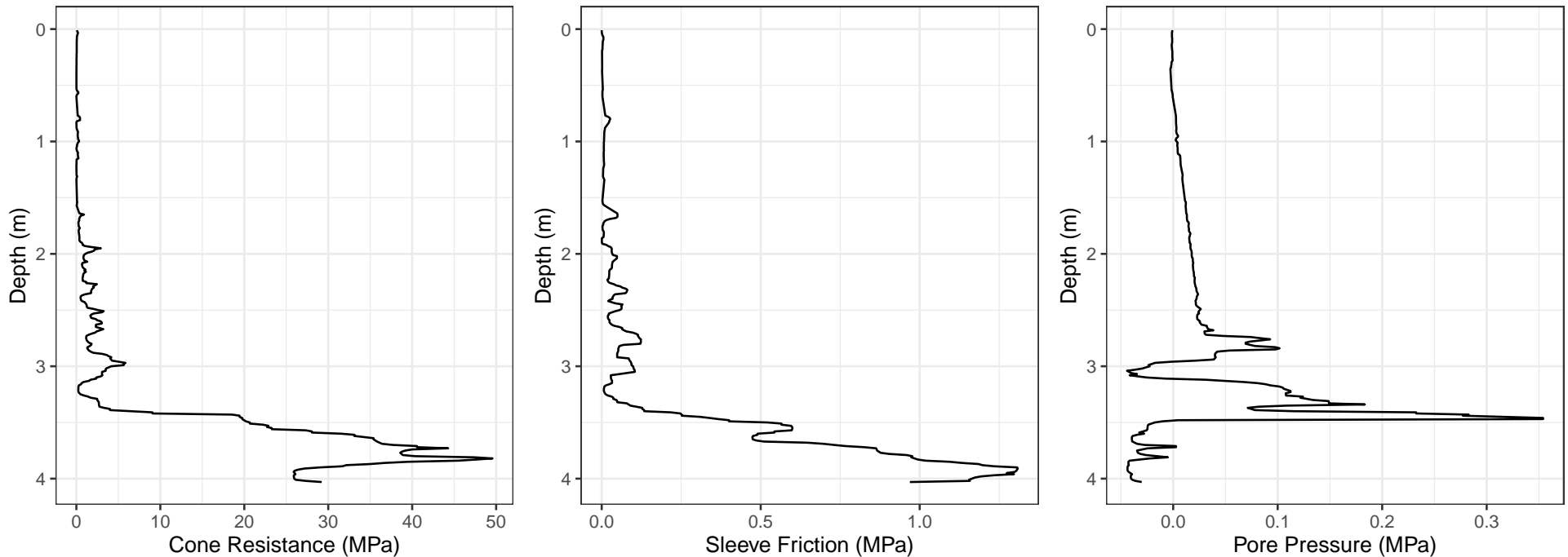
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

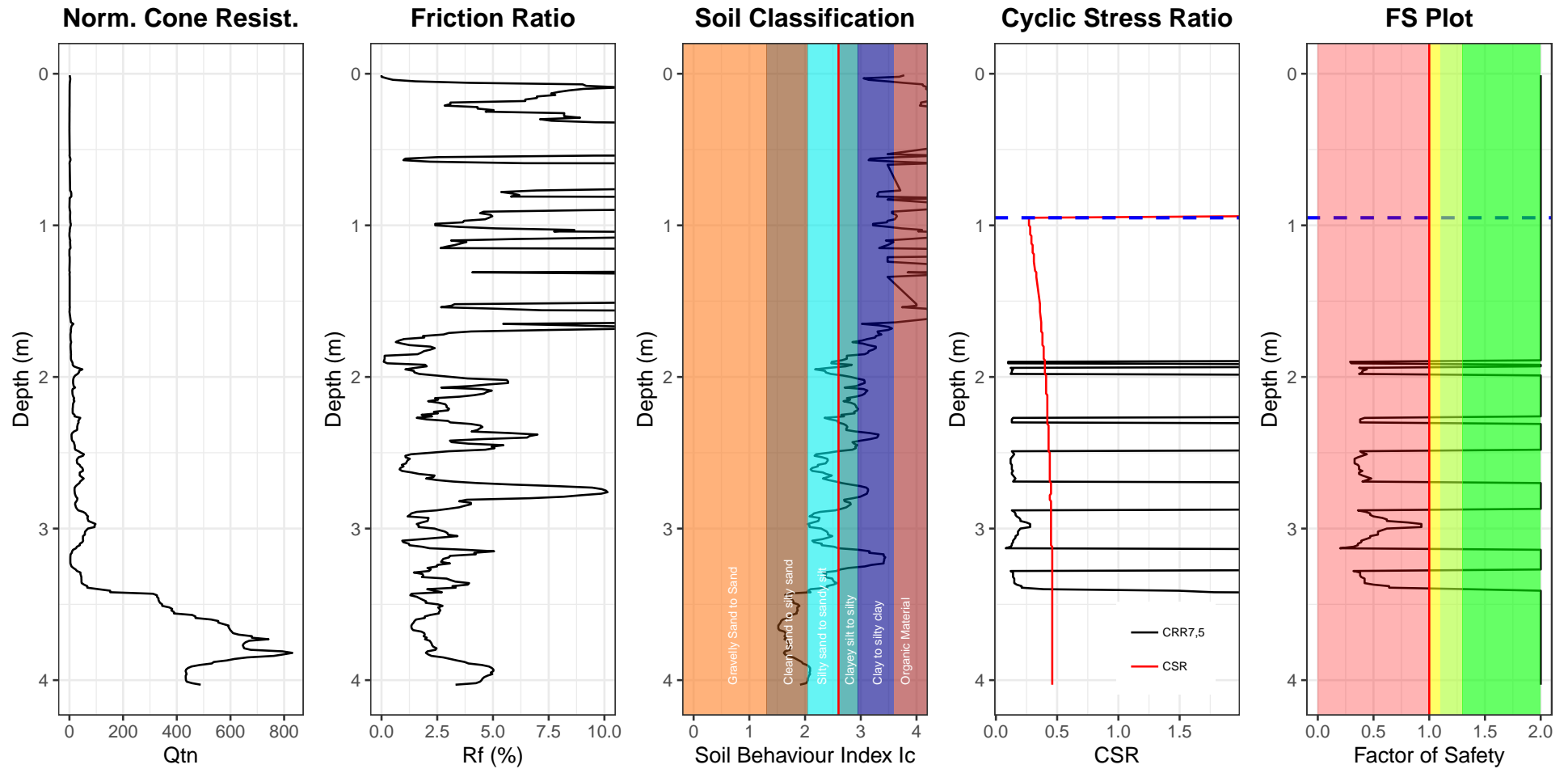
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620684 , 5429419

Raw Data Plots - CPT_170184



CPT_170184



Outputs for CPT_170184:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
16	3	6

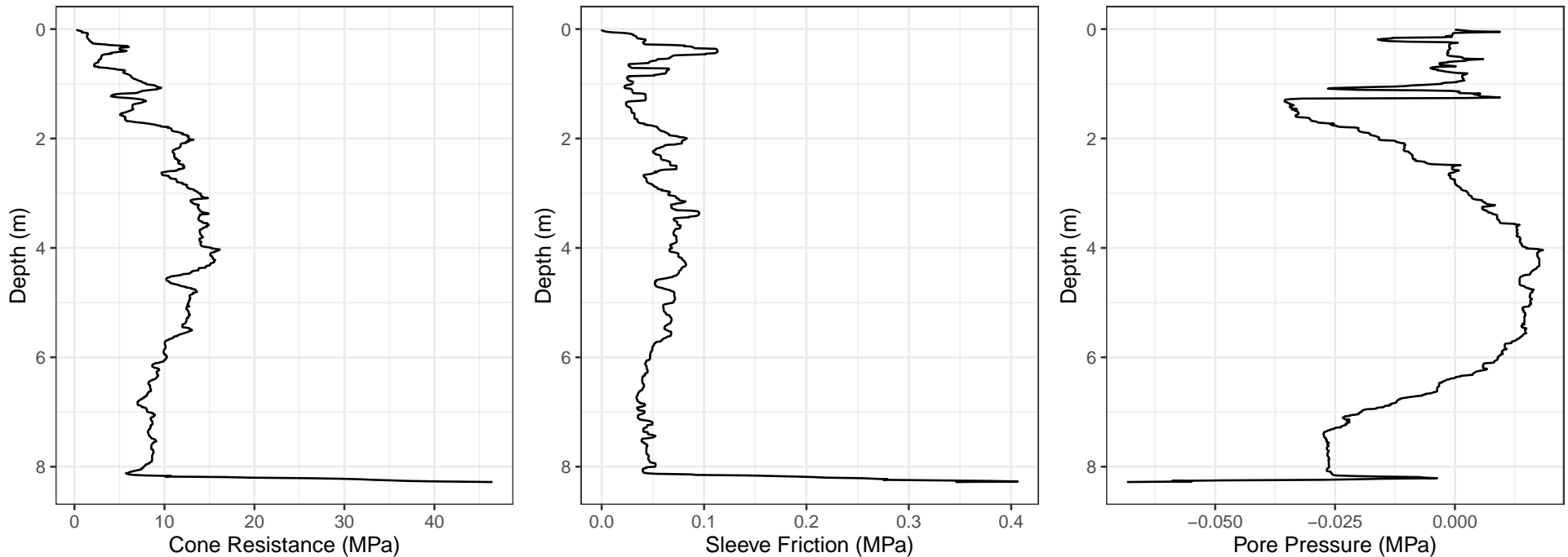
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

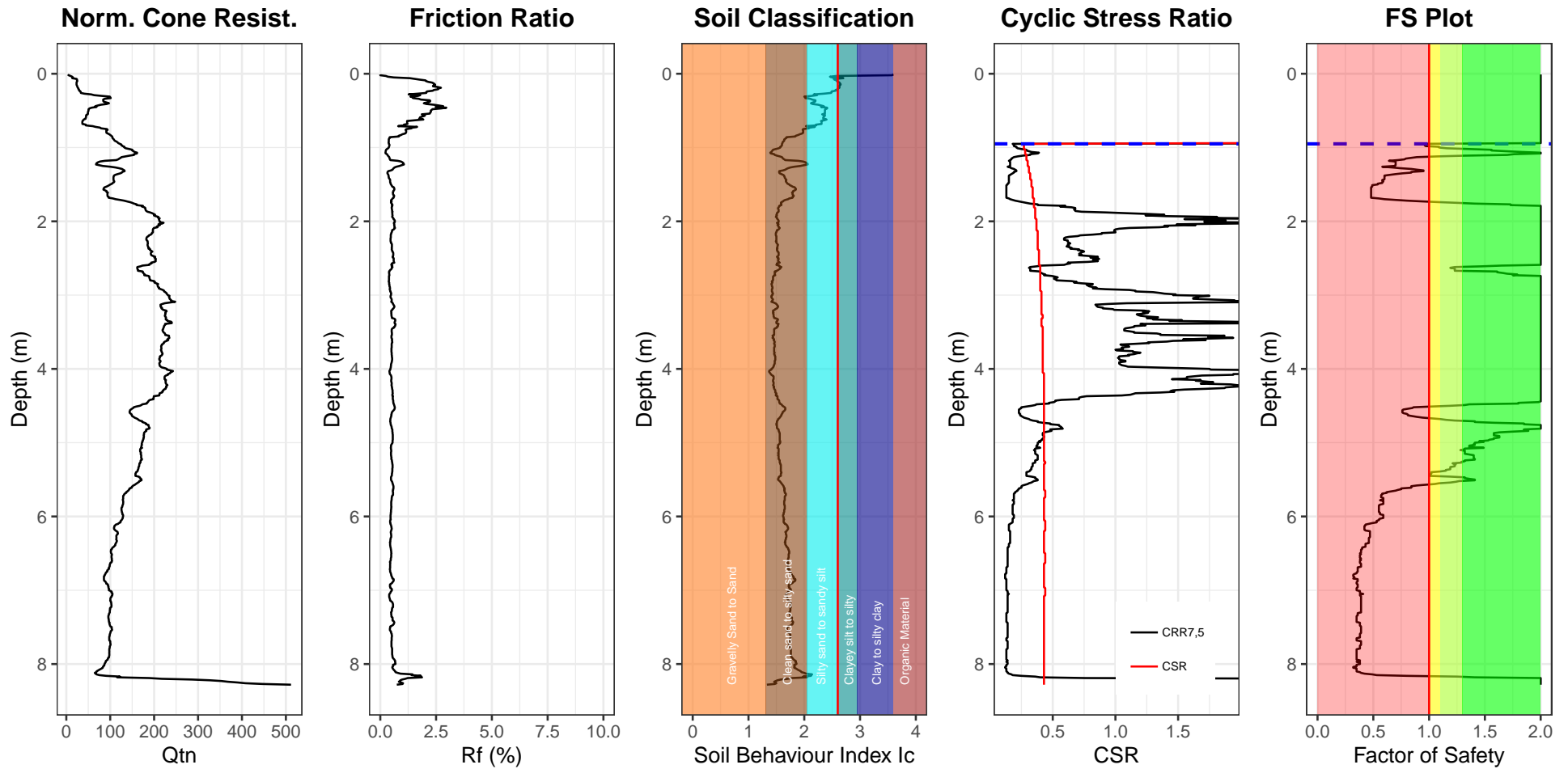
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620359 , 5429301

Raw Data Plots - CPT_170185



CPT_170185



Outputs for CPT_170185:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
74	12	18

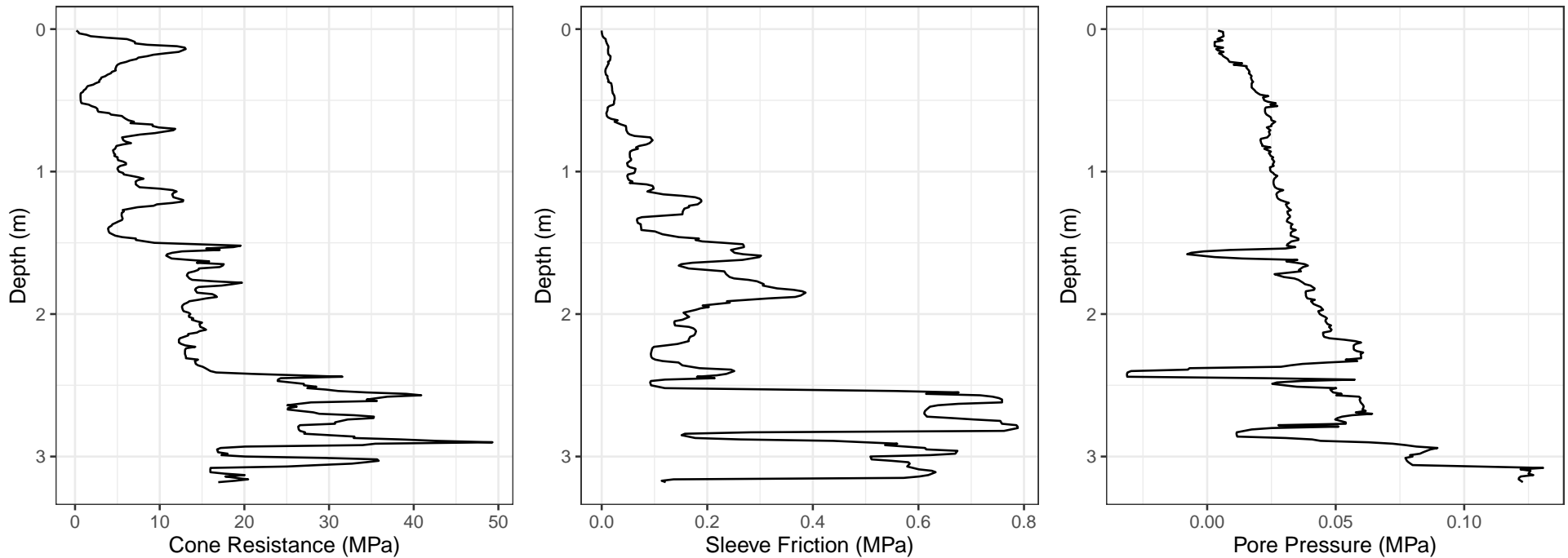
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

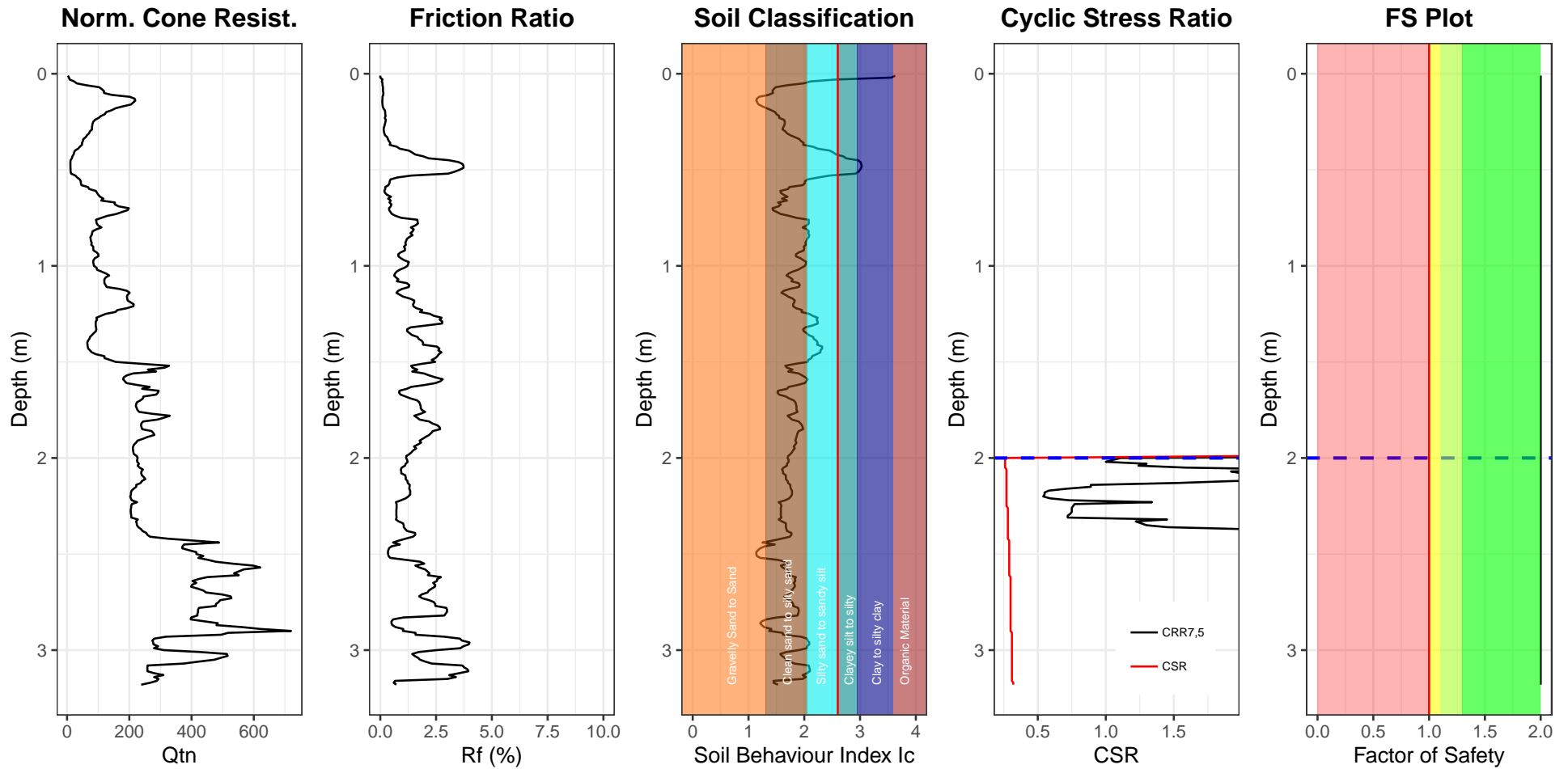
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620592 , 5429302

Raw Data Plots - CPT_170186



CPT_170186



Outputs for CPT_170186:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

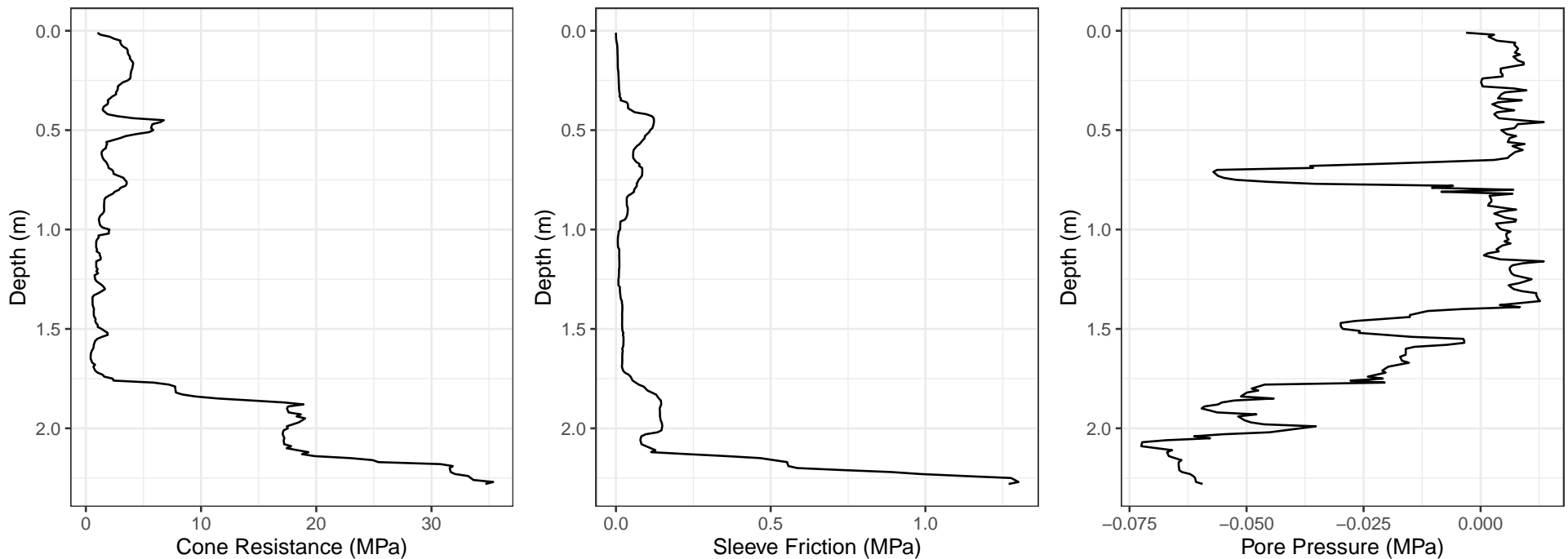
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

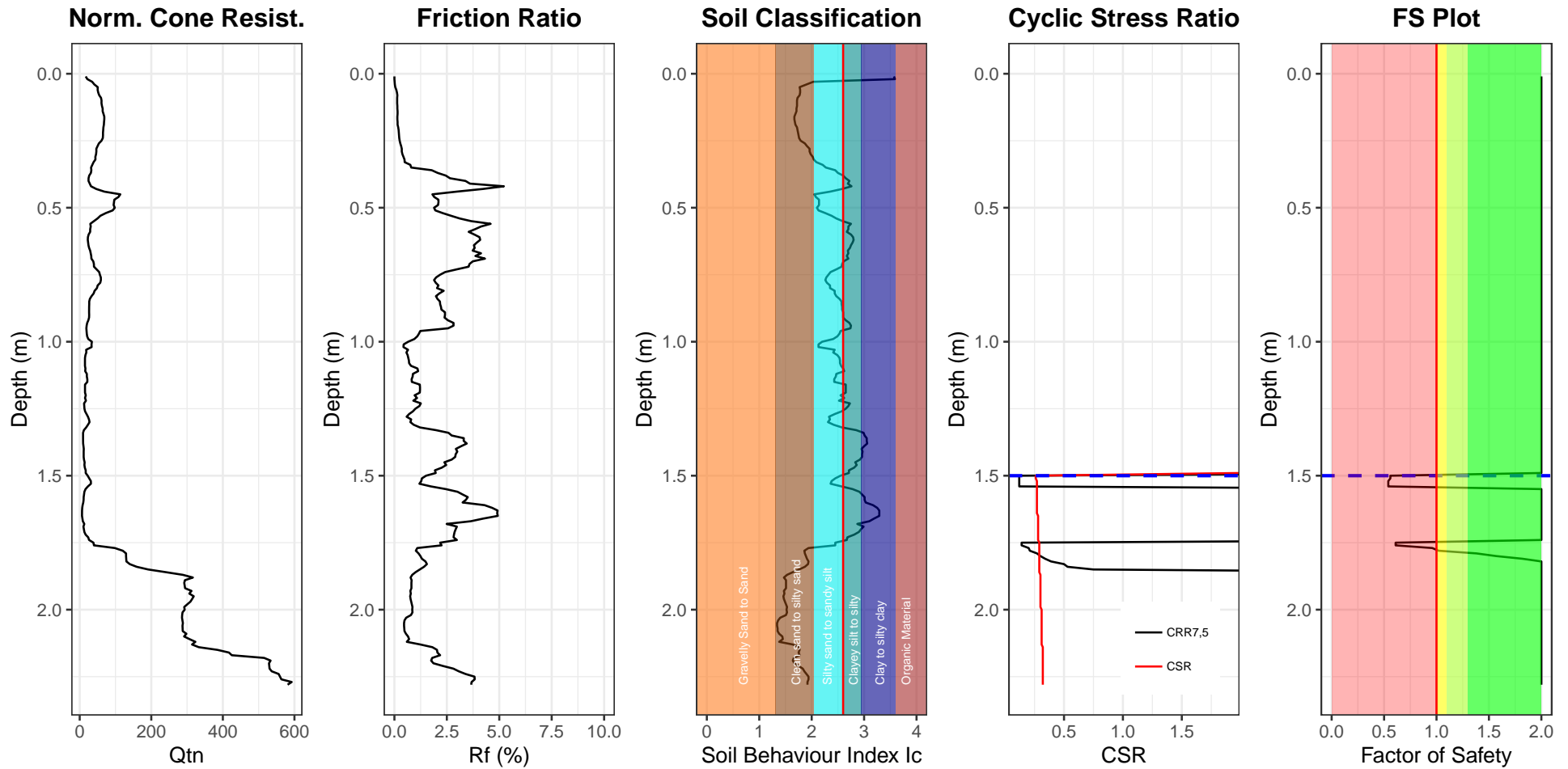
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428994

Raw Data Plots - CPT_170187



CPT_170187



Outputs for CPT_170187:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
2	0	1

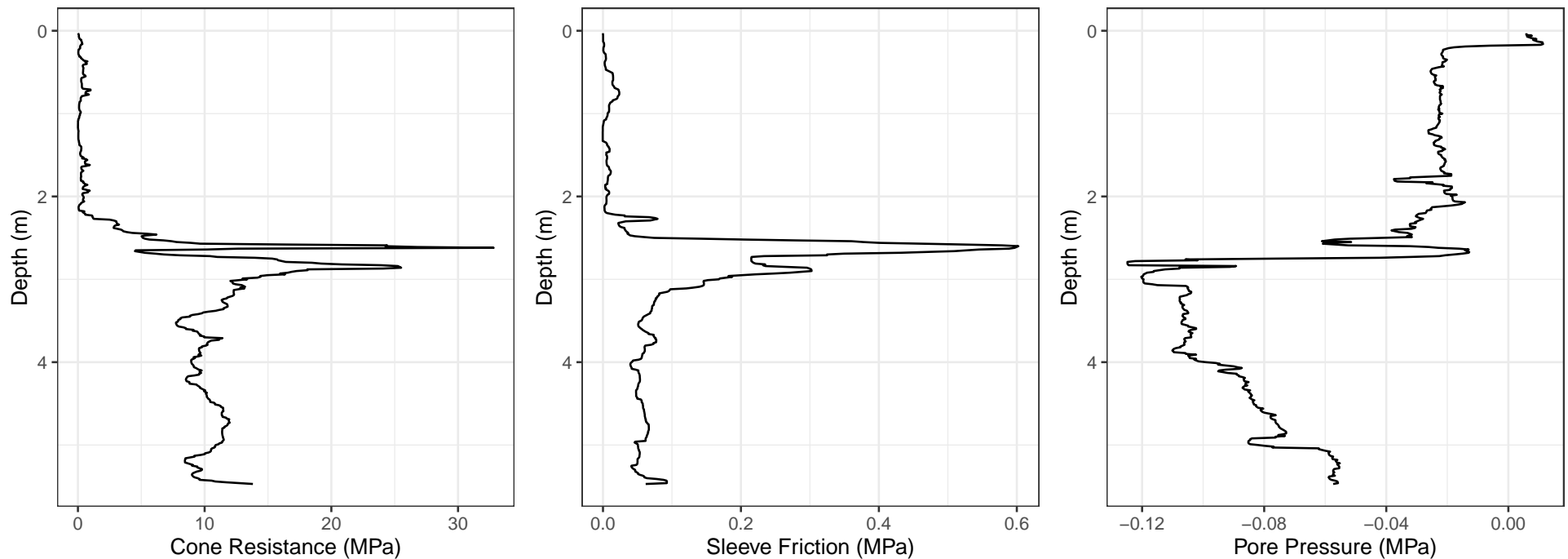
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

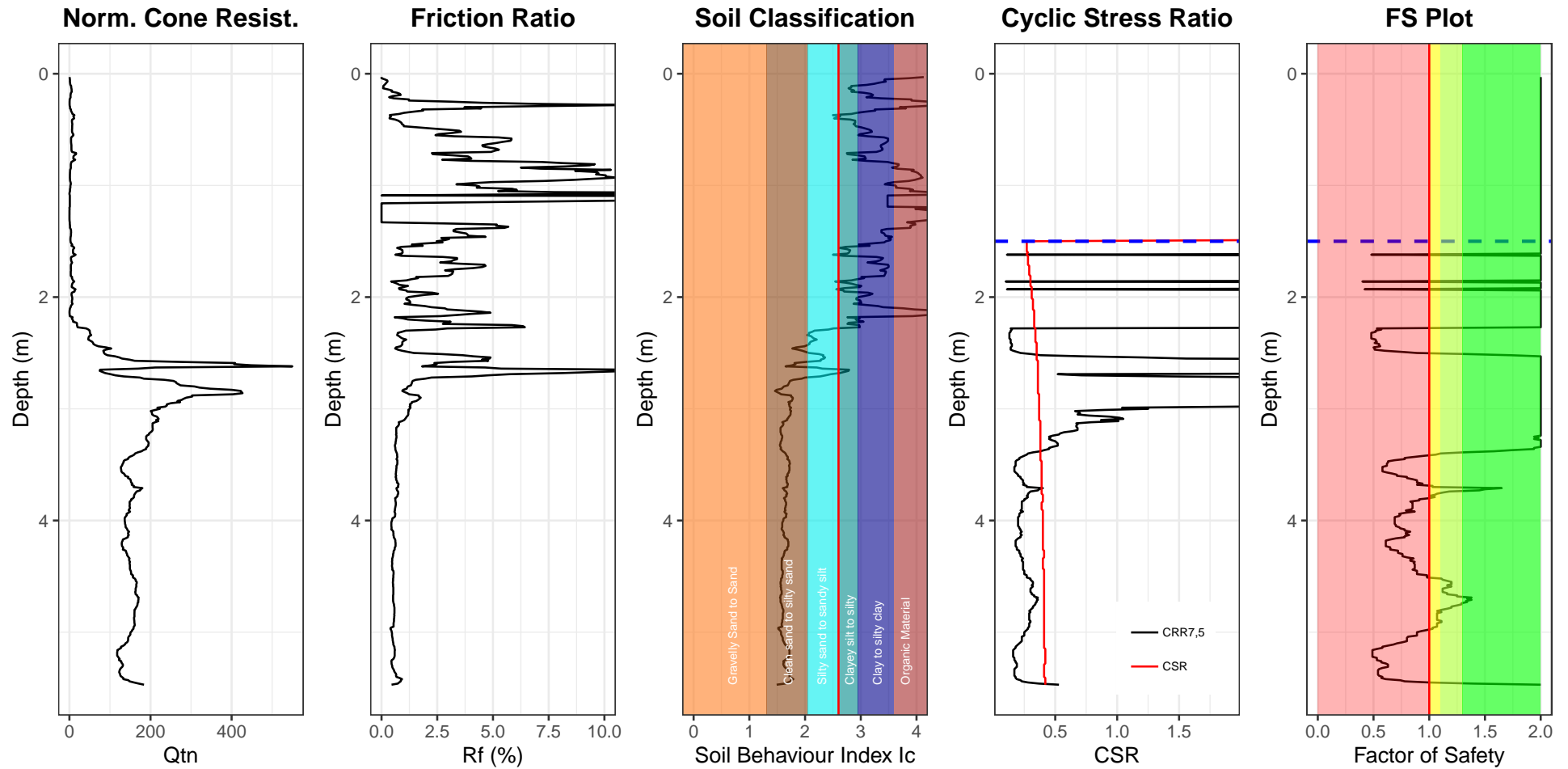
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.5
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.03
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620532 , 5428997

Raw Data Plots - CPT_170188



CPT_170188



Outputs for CPT_170188:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
30	4	8

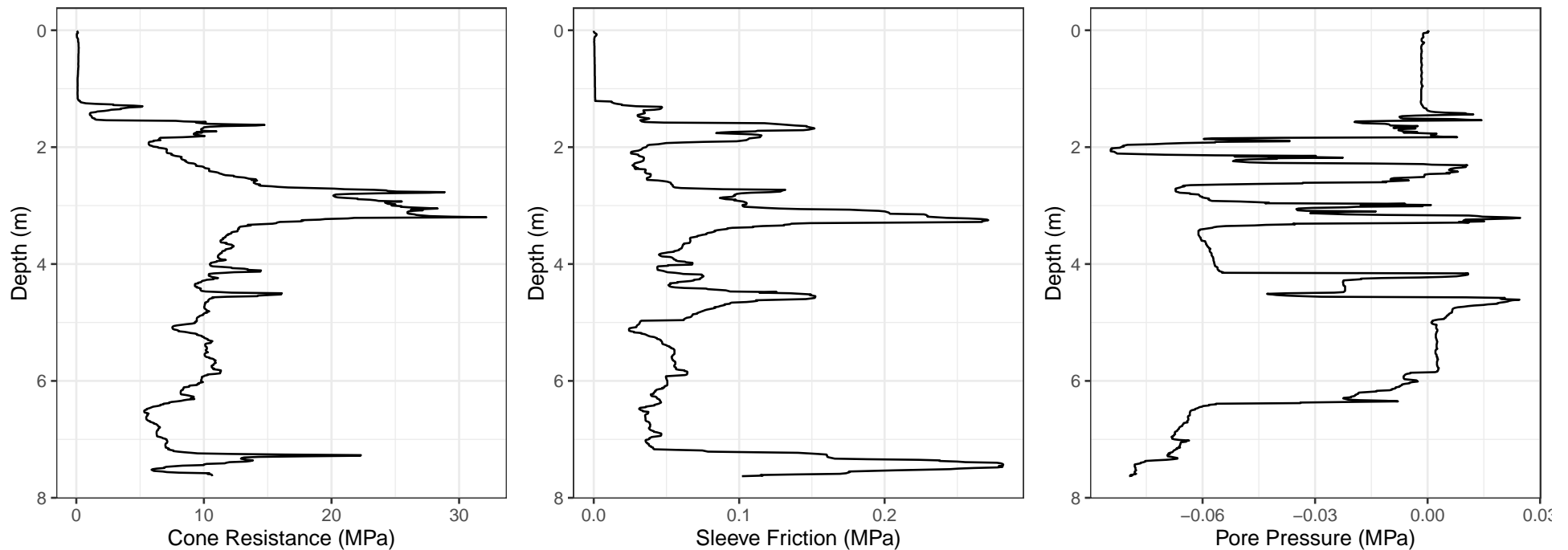
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

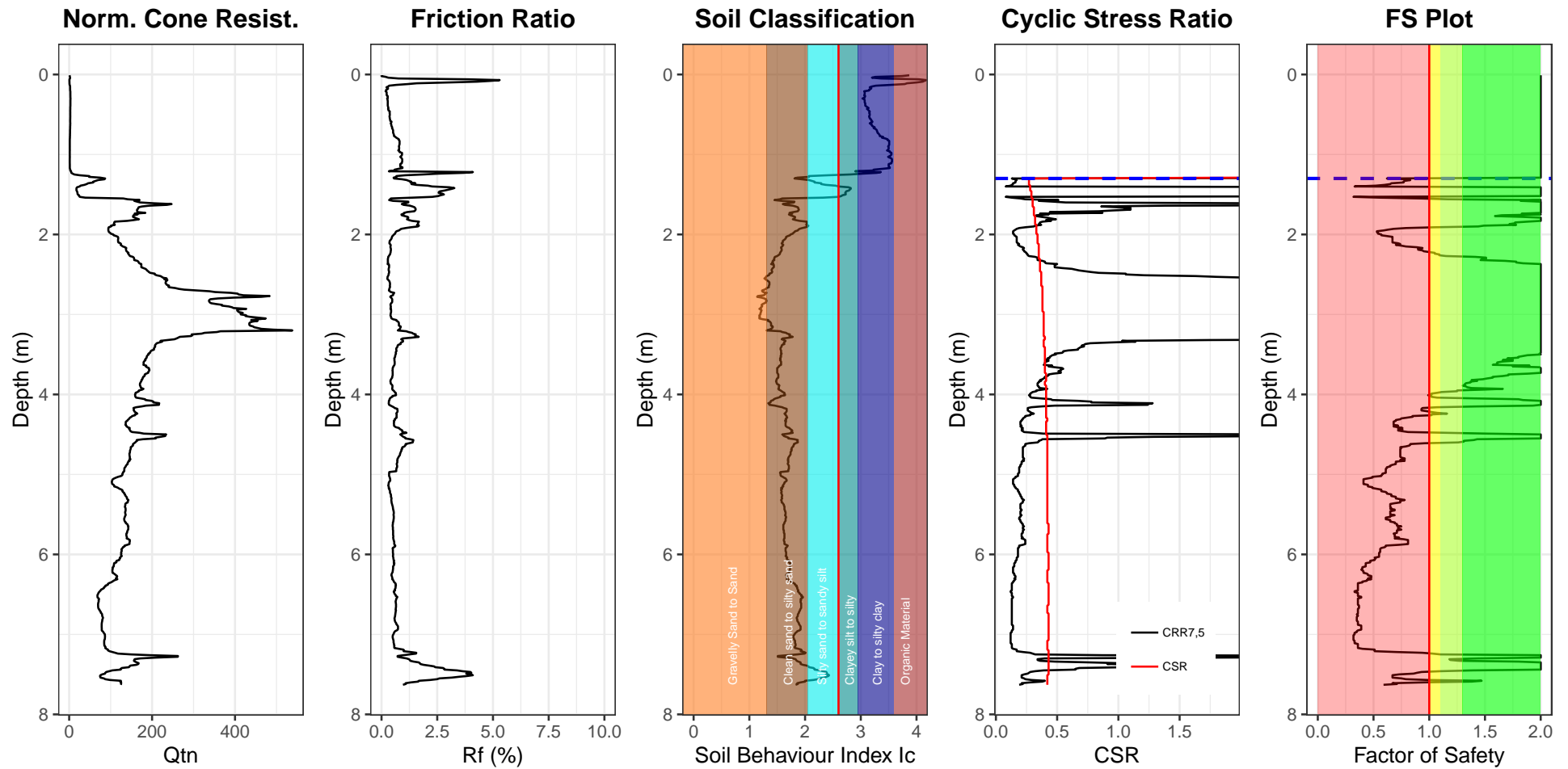
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.3
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620450 , 5428857

Raw Data Plots - CPT_170189



CPT_170189



Outputs for CPT_170189:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
70	10	16

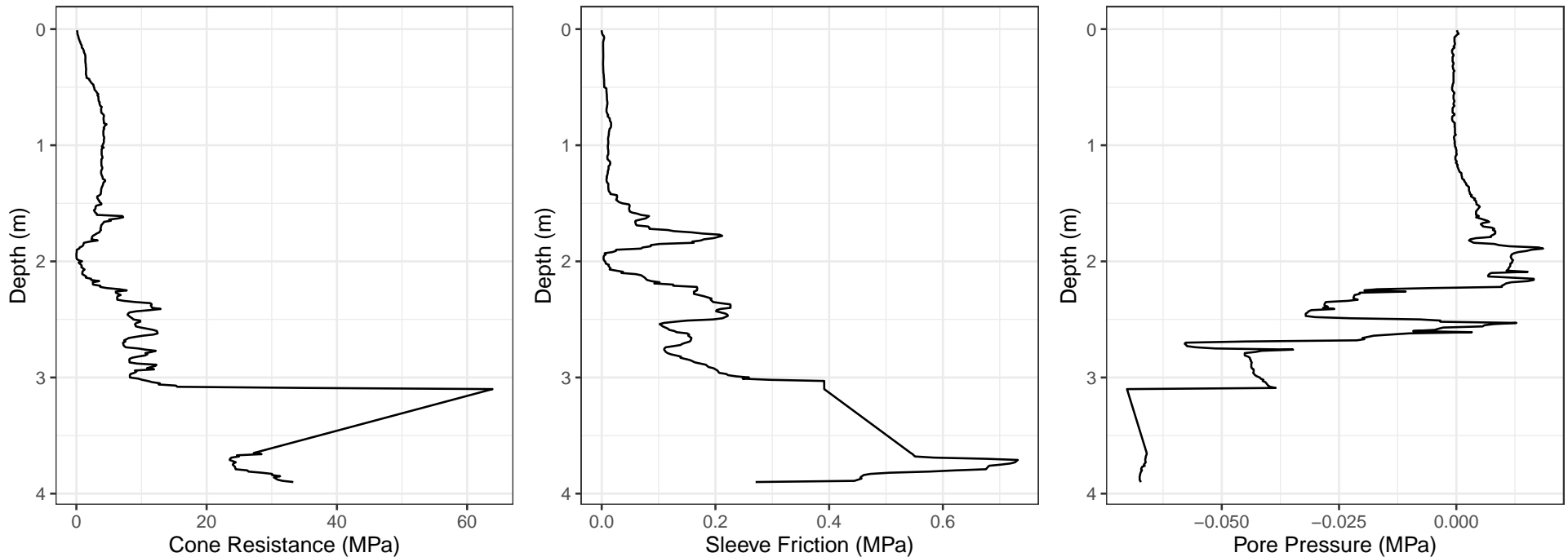
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

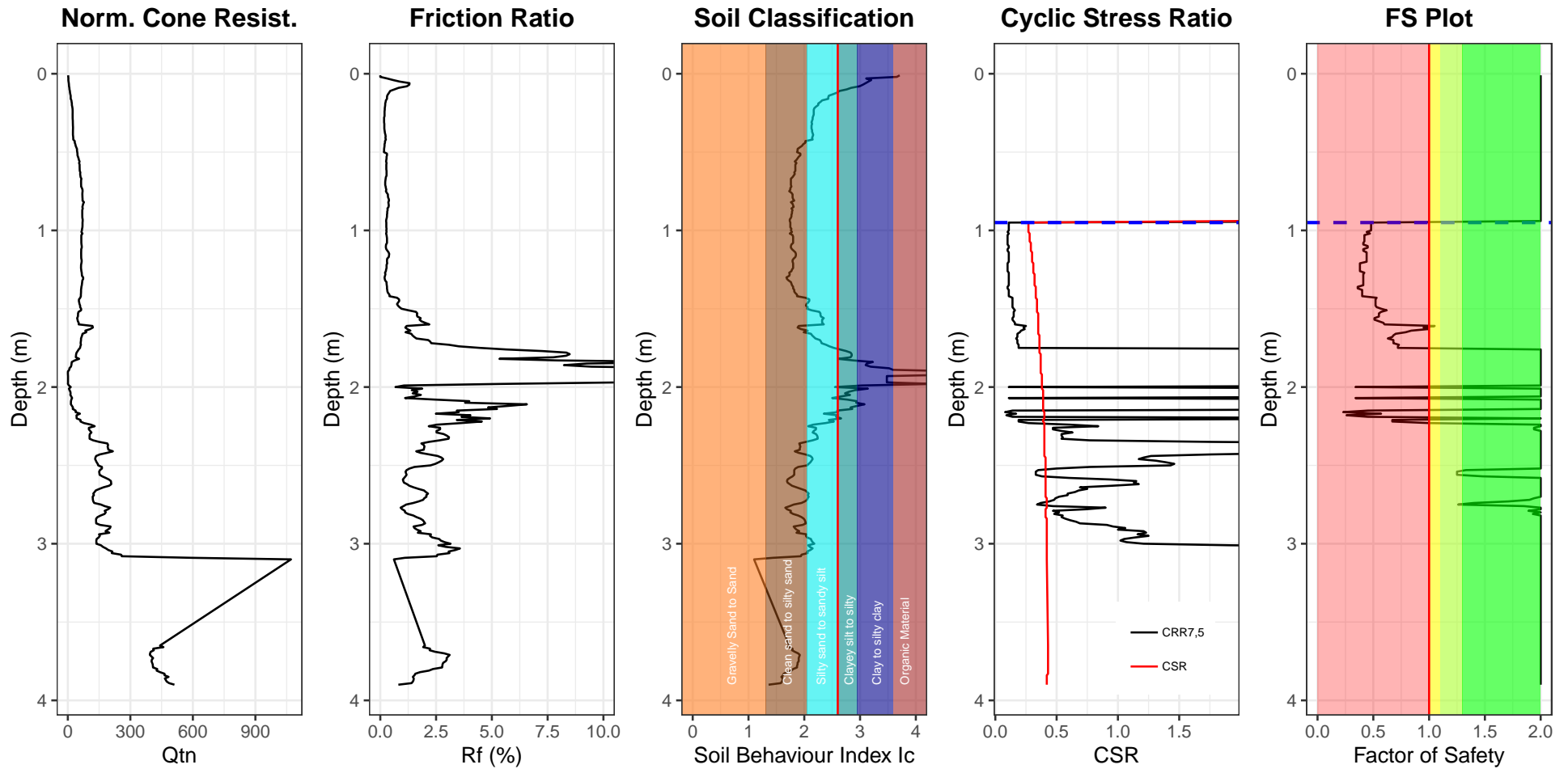
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.95
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429630

Raw Data Plots - CPT_170190



CPT_170190



Outputs for CPT_170190:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
24	4	18

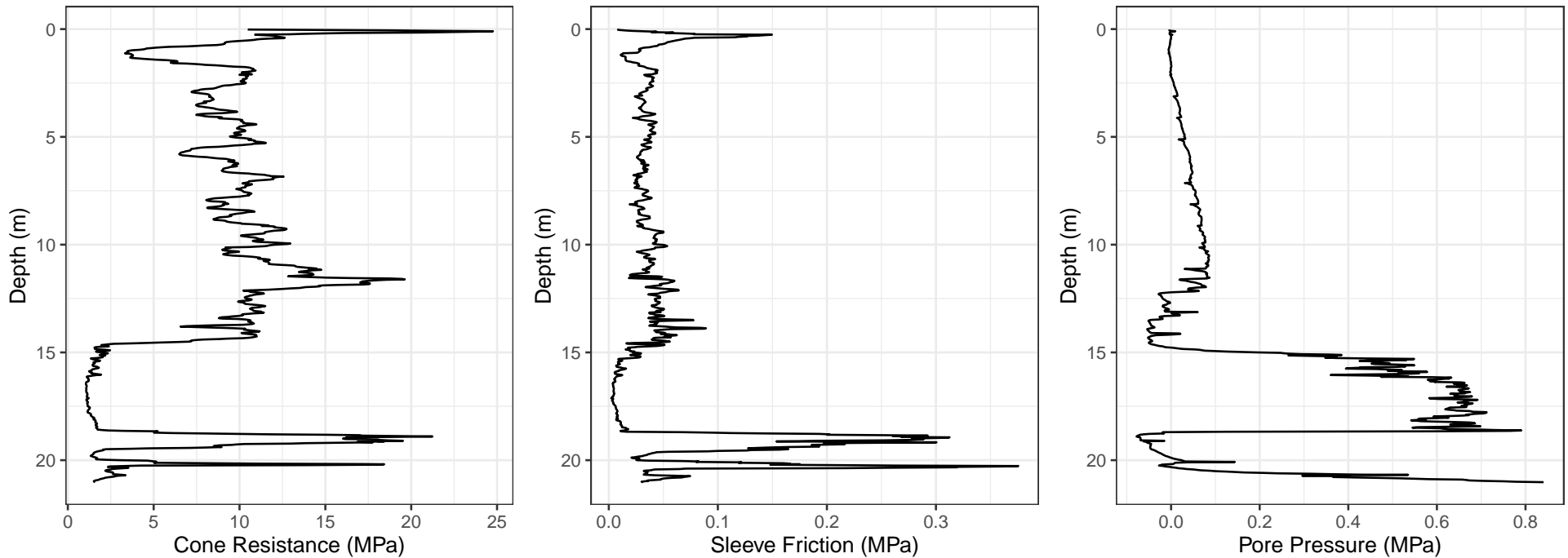
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

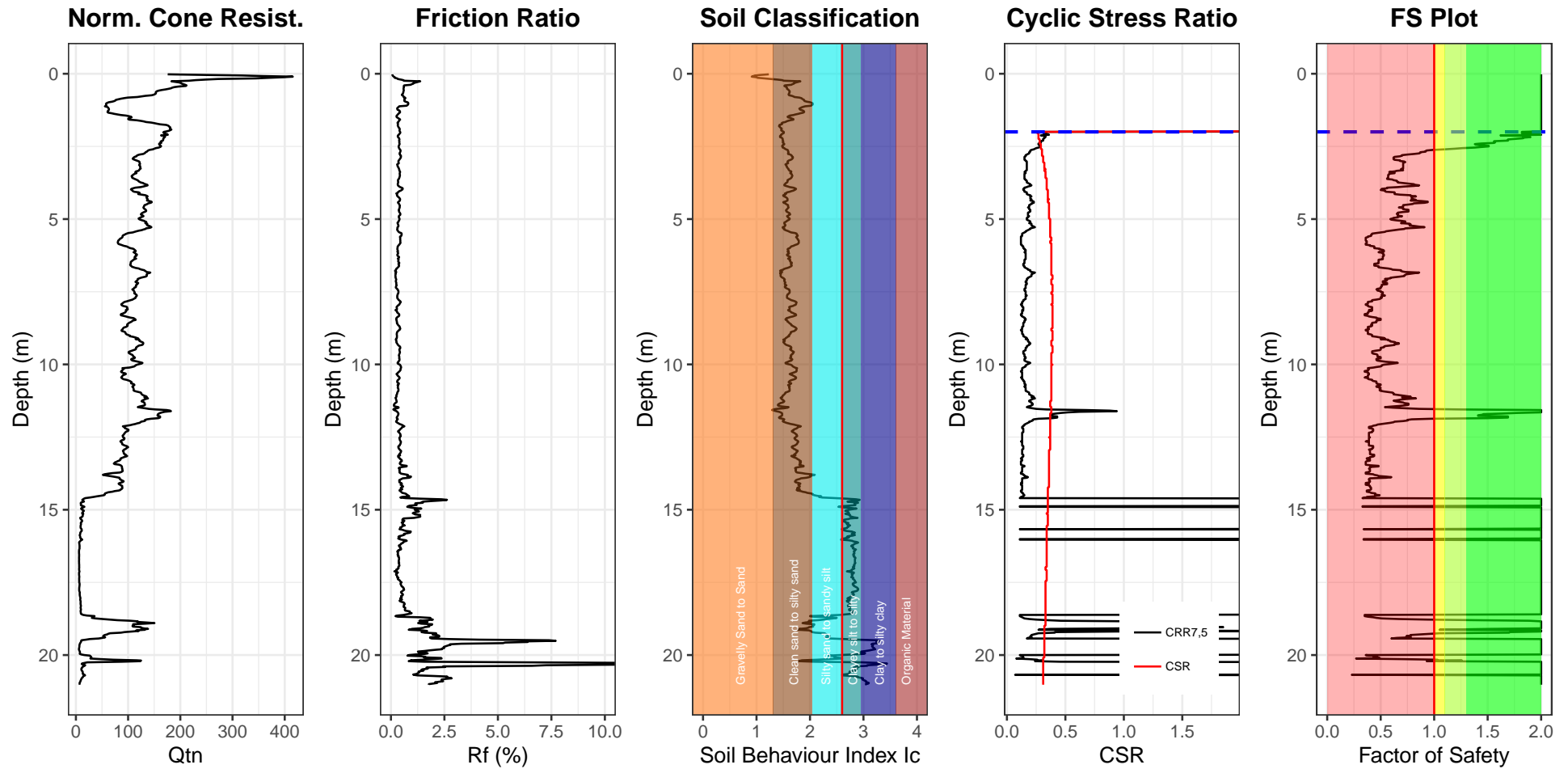
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 2
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620178 , 5430066

Raw Data Plots - CPT_171202



CPT_171202



Outputs for CPT_171202:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
263	30	35

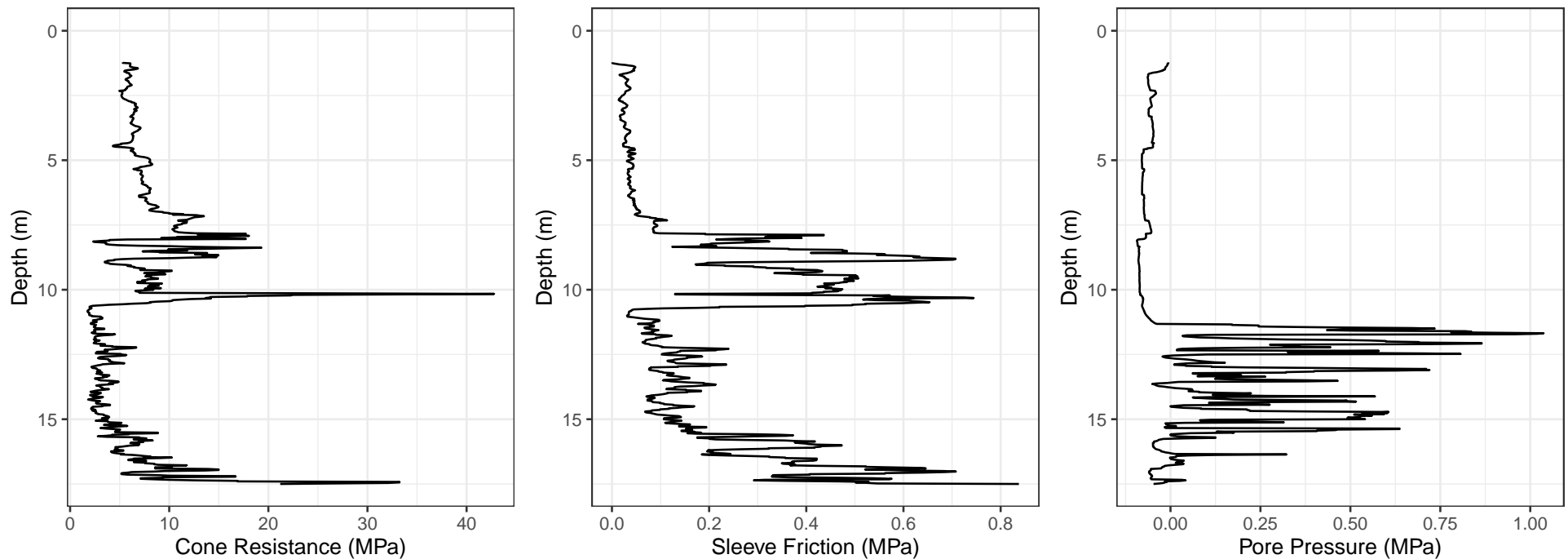
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

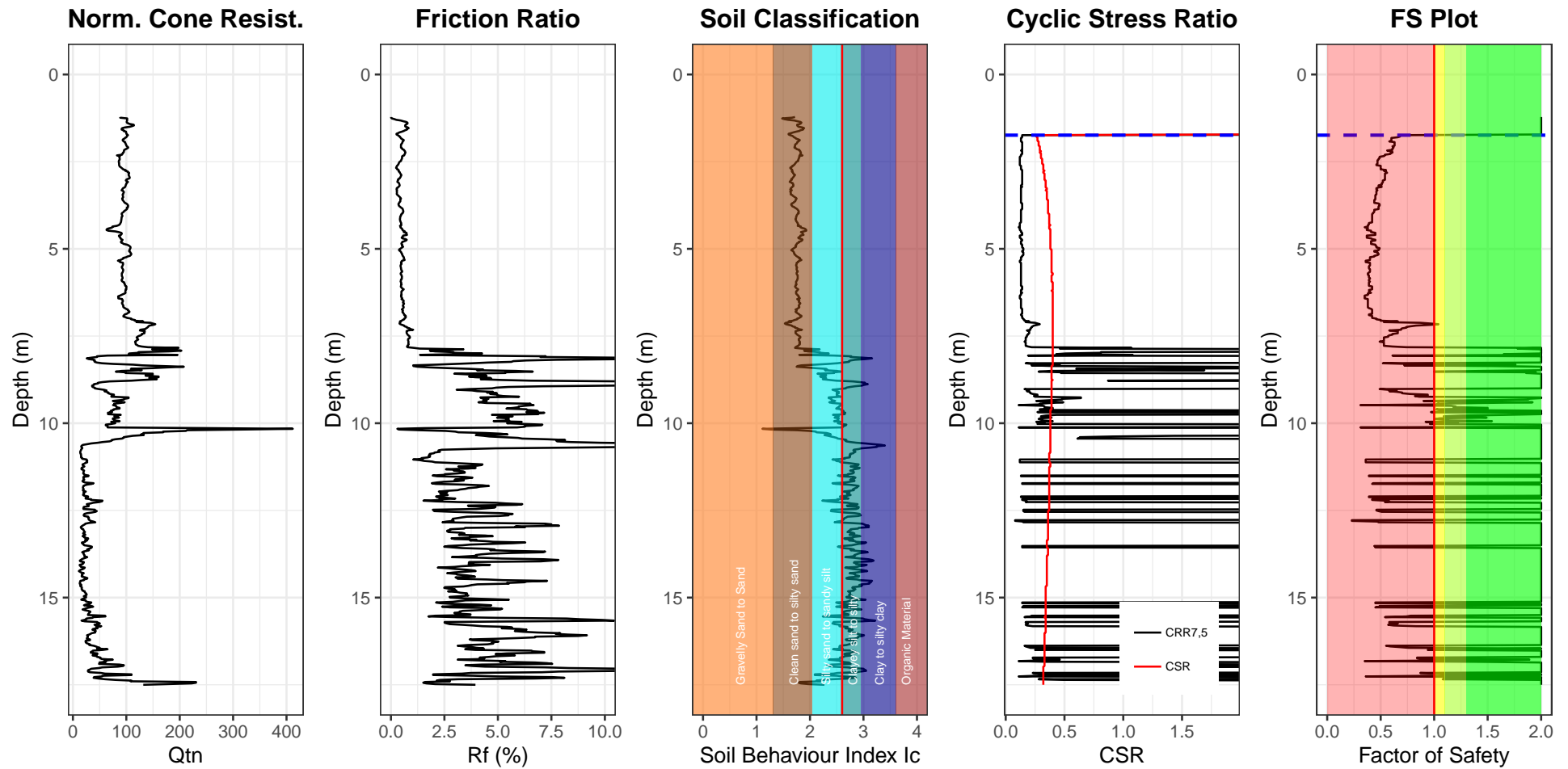
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.74
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.22
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619581 , 5427954

Raw Data Plots - CPT_171648



CPT_171648



Outputs for CPT_171648:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
175	26	38

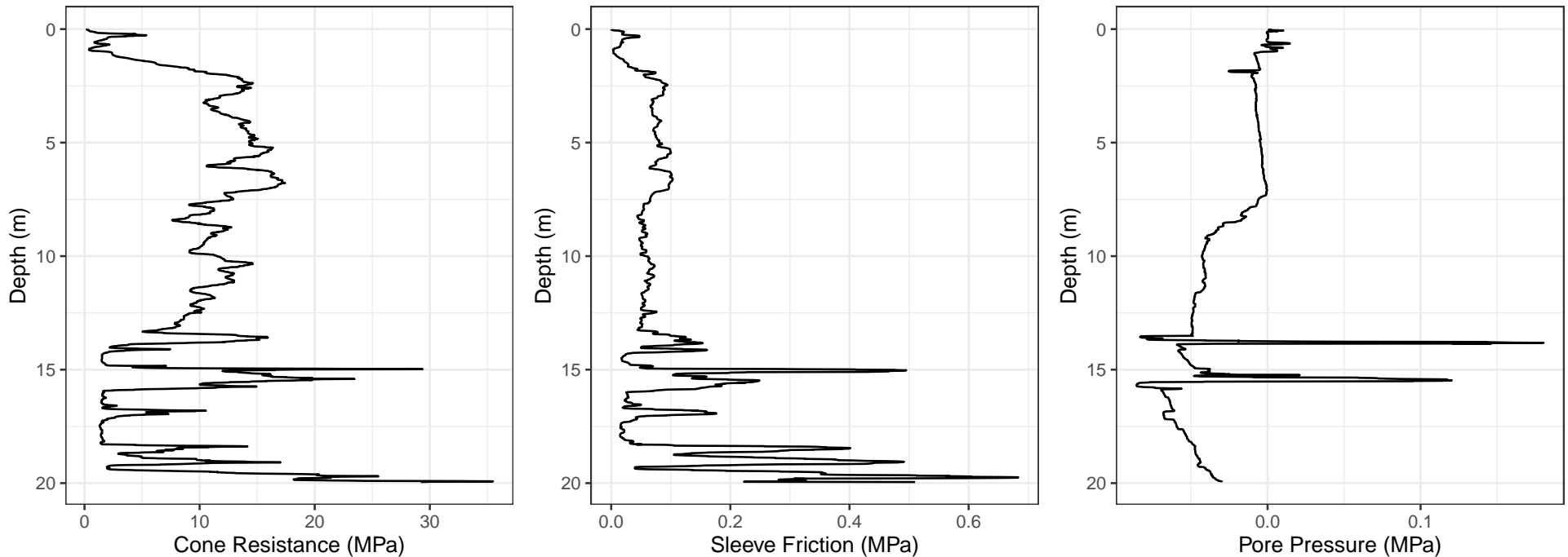
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

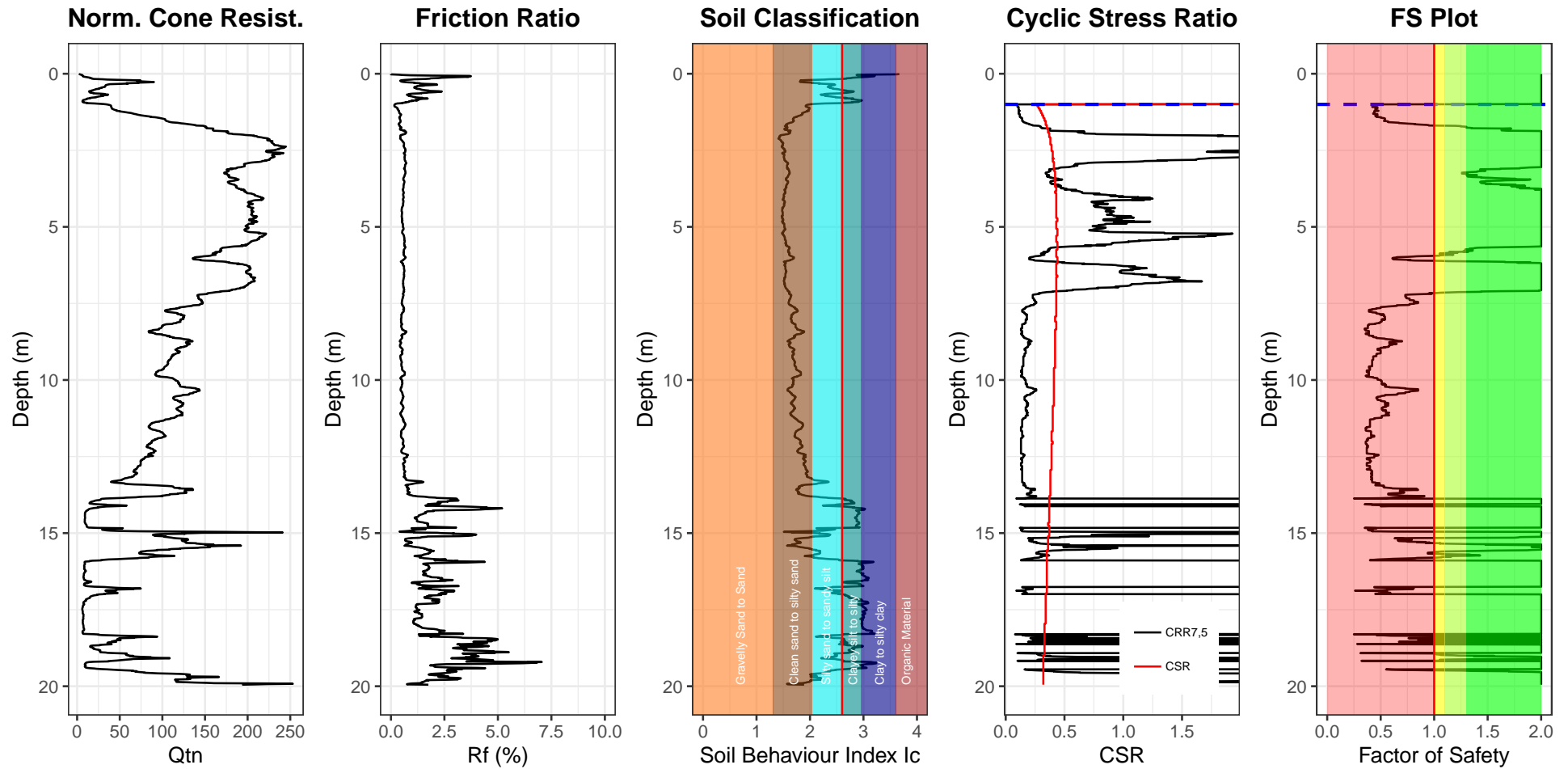
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620062 , 5429295

Raw Data Plots - CPT_171649



CPT_171649



Outputs for CPT_171649:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
182	20	30

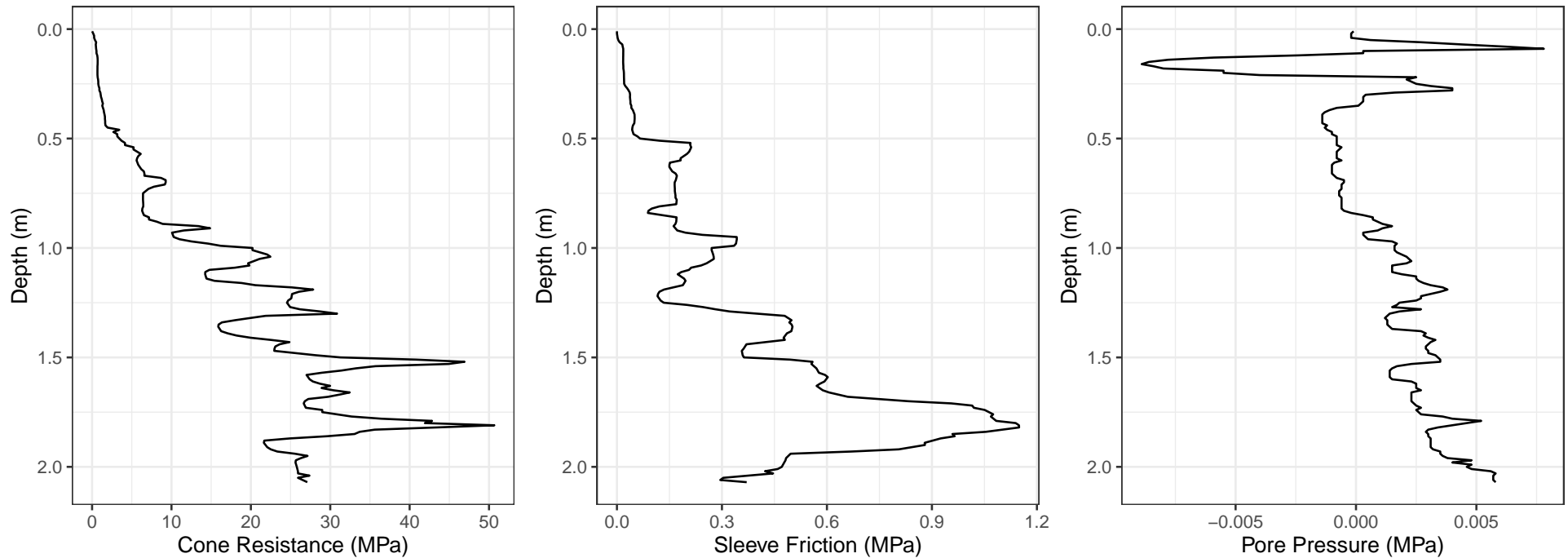
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

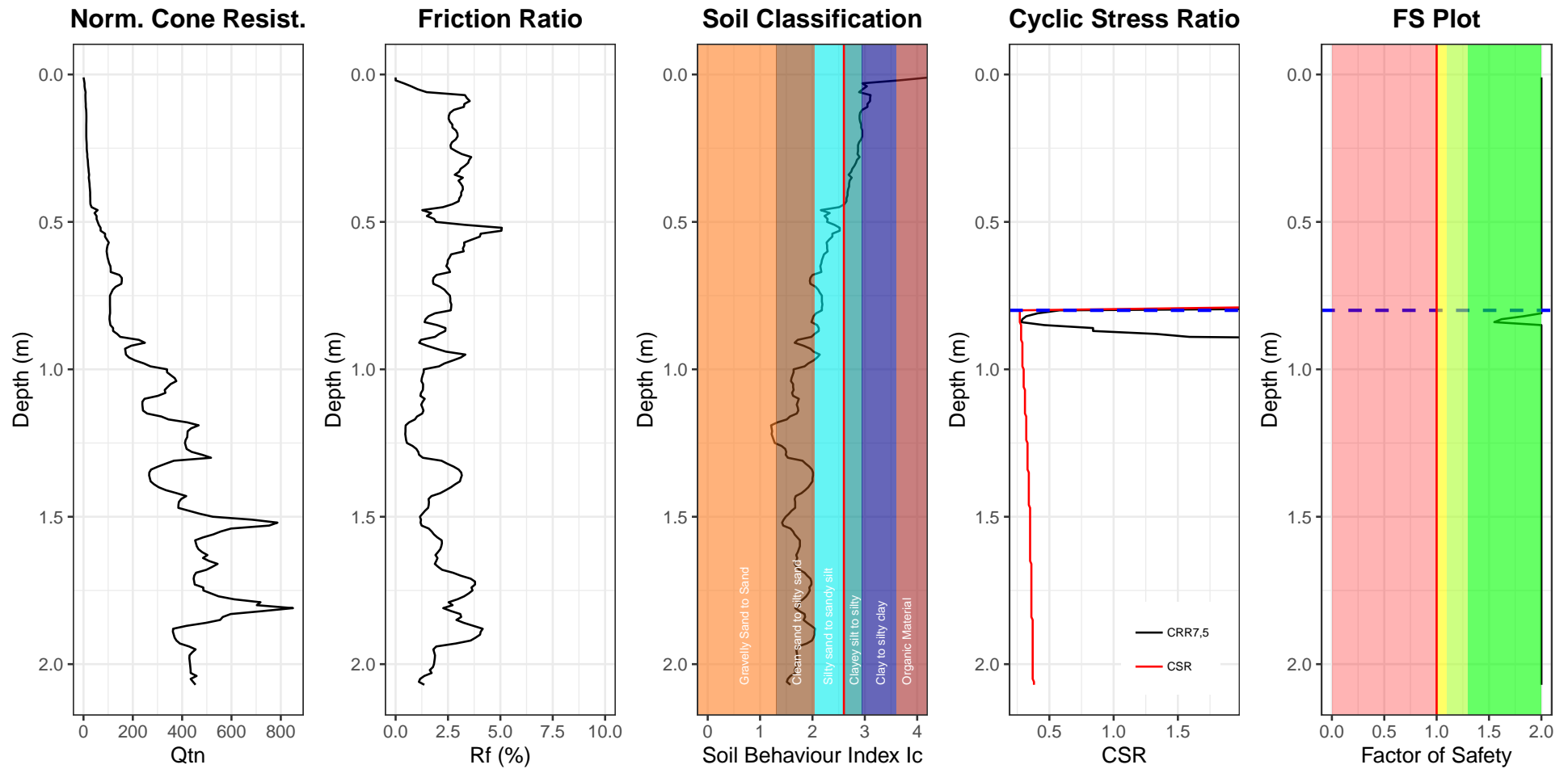
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.8
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.01
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620650 , 5429650

Raw Data Plots - CPT_171650



CPT_171650



Outputs for CPT_171650:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
0	0	0

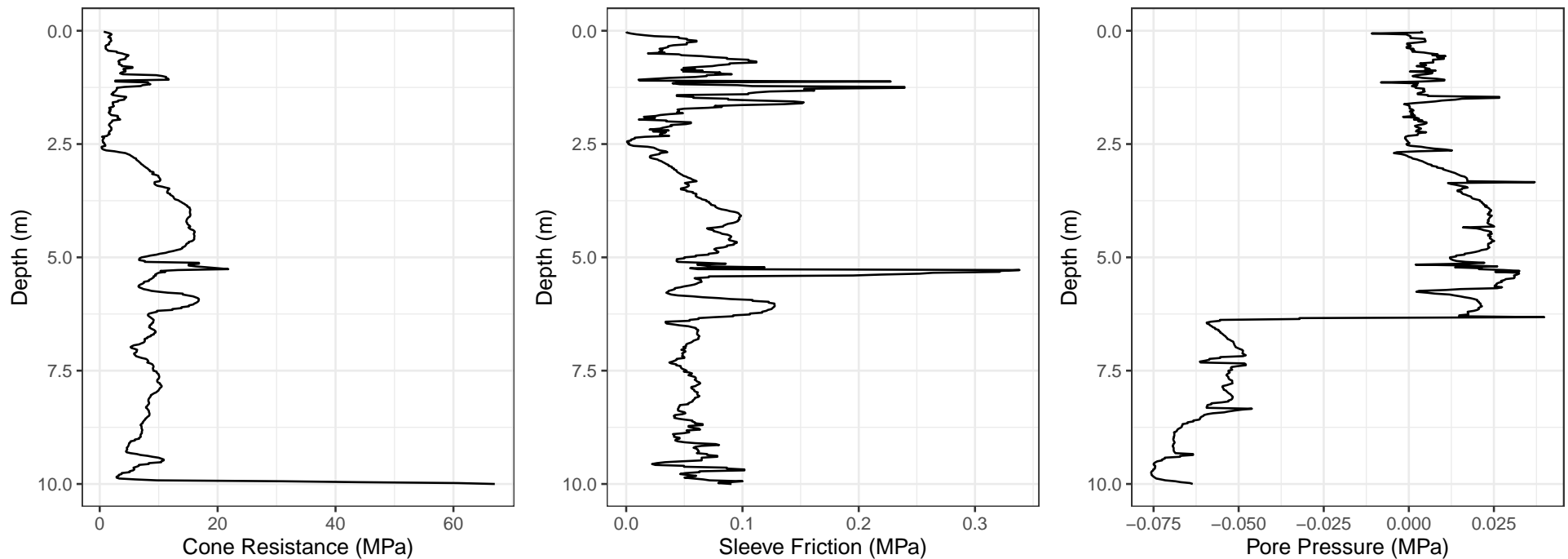
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

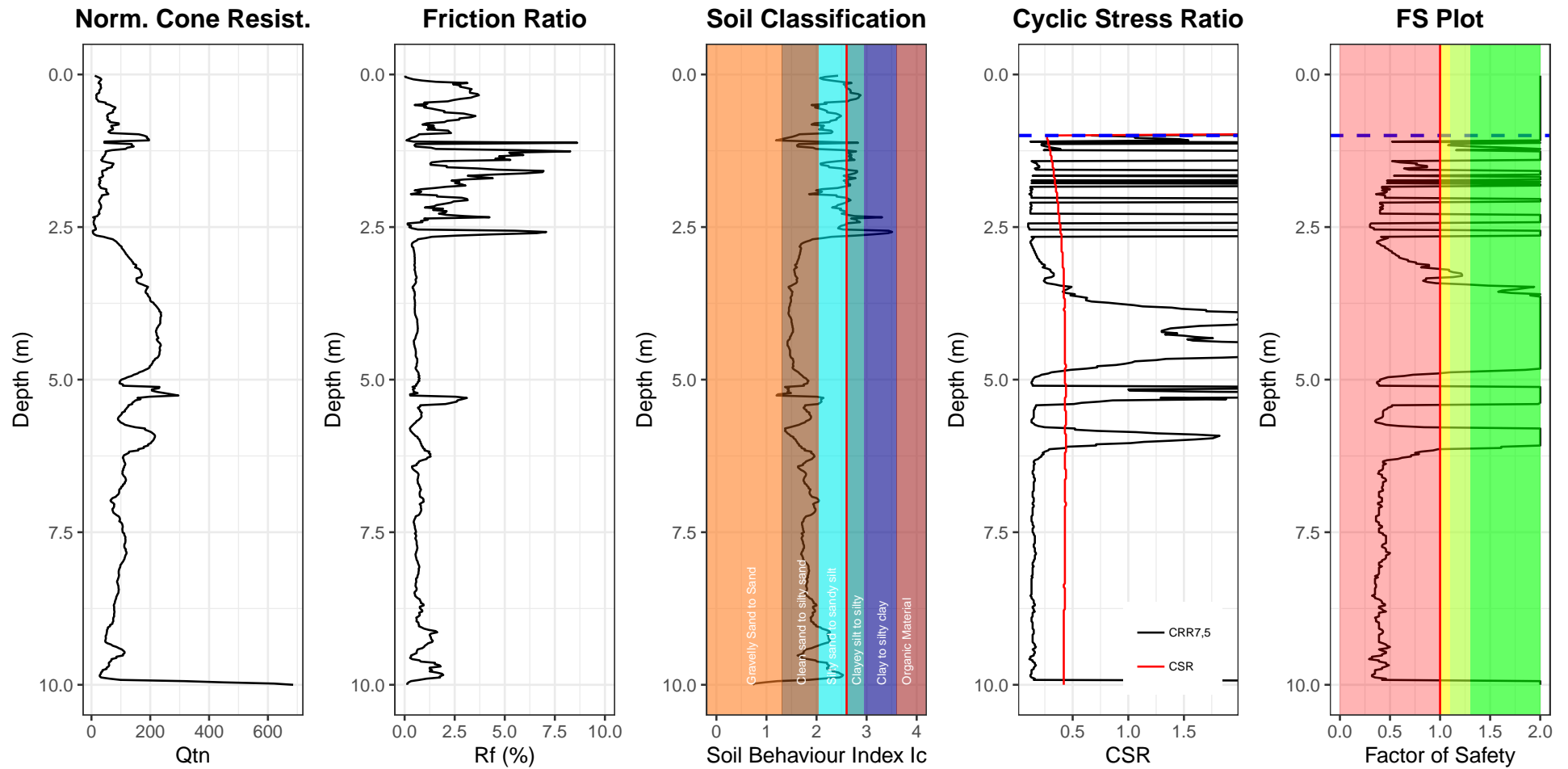
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620423 , 5429674

Raw Data Plots - CPT_171651



CPT_171651



Outputs for CPT_171651:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
128	21	27

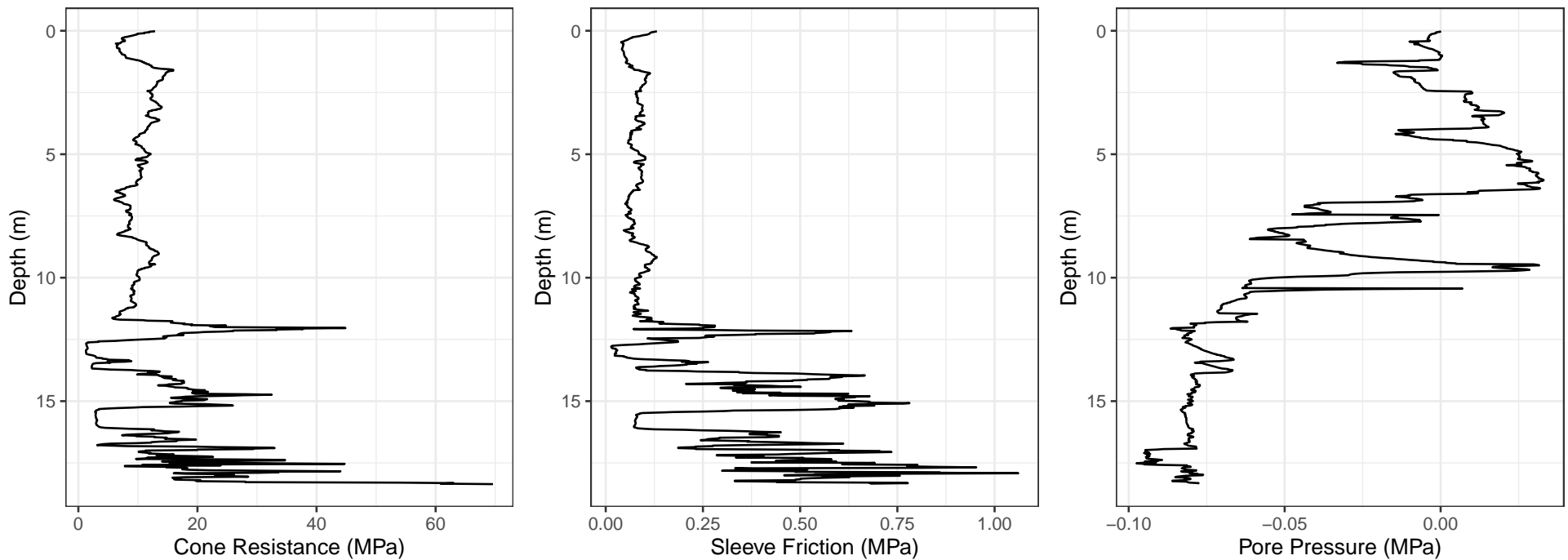
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

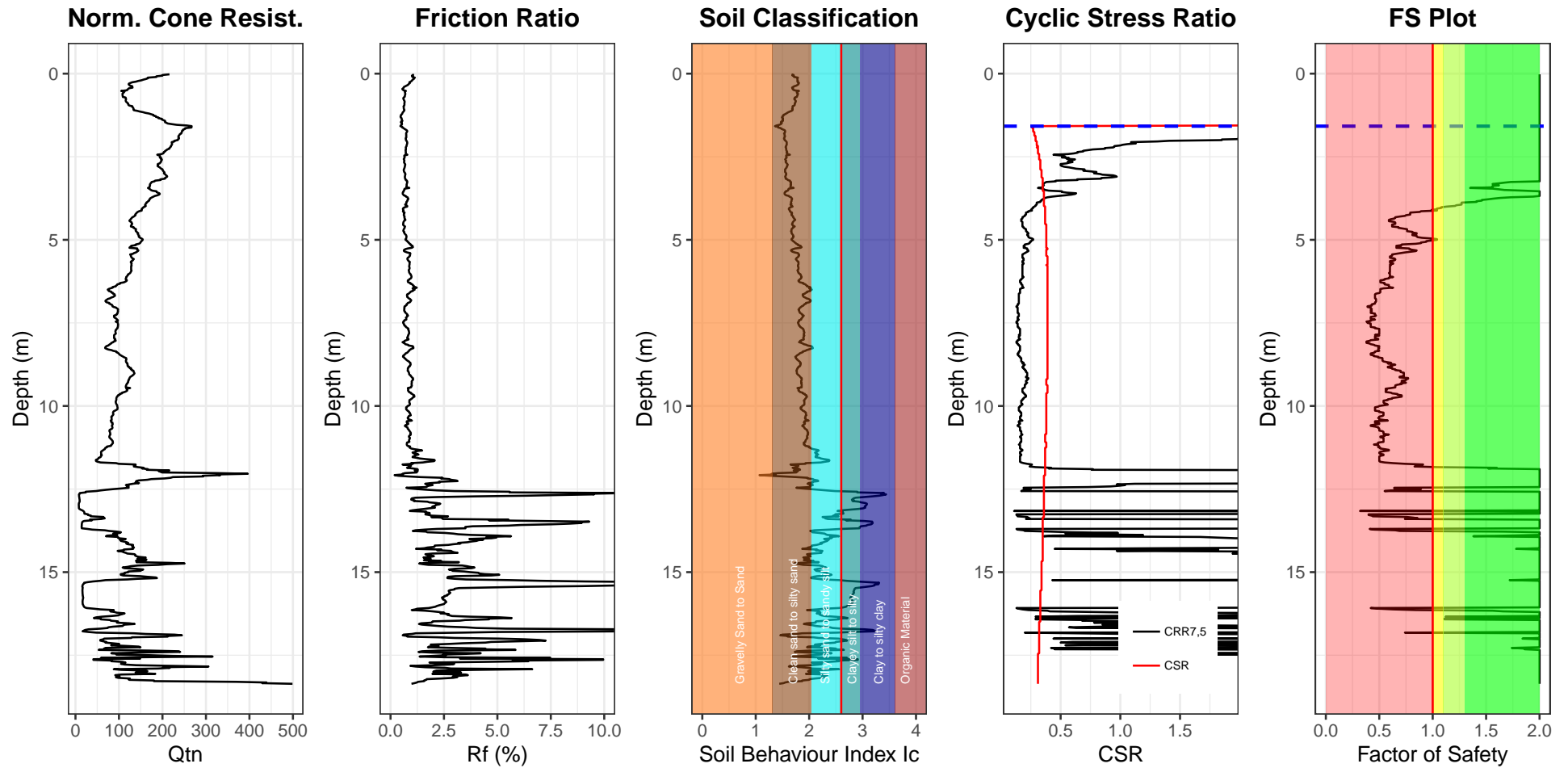
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.58
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620049 , 5429143

Raw Data Plots - CPT_171652



CPT_171652



Outputs for CPT_171652:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
160	20	21

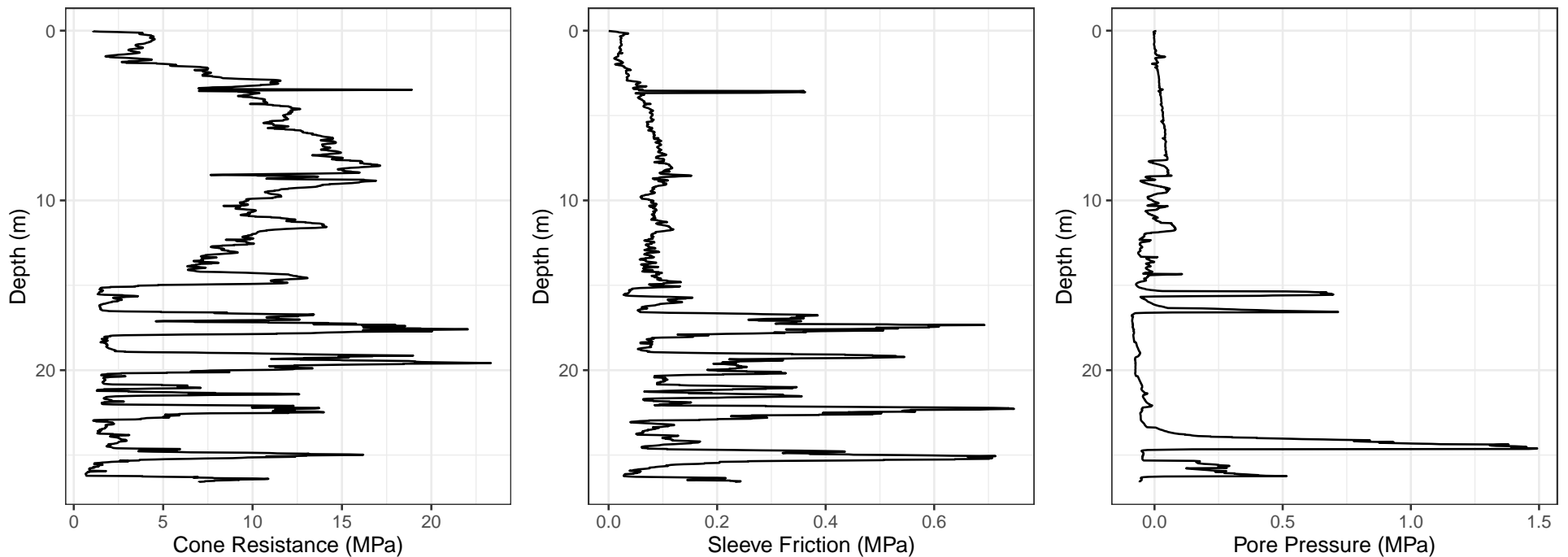
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

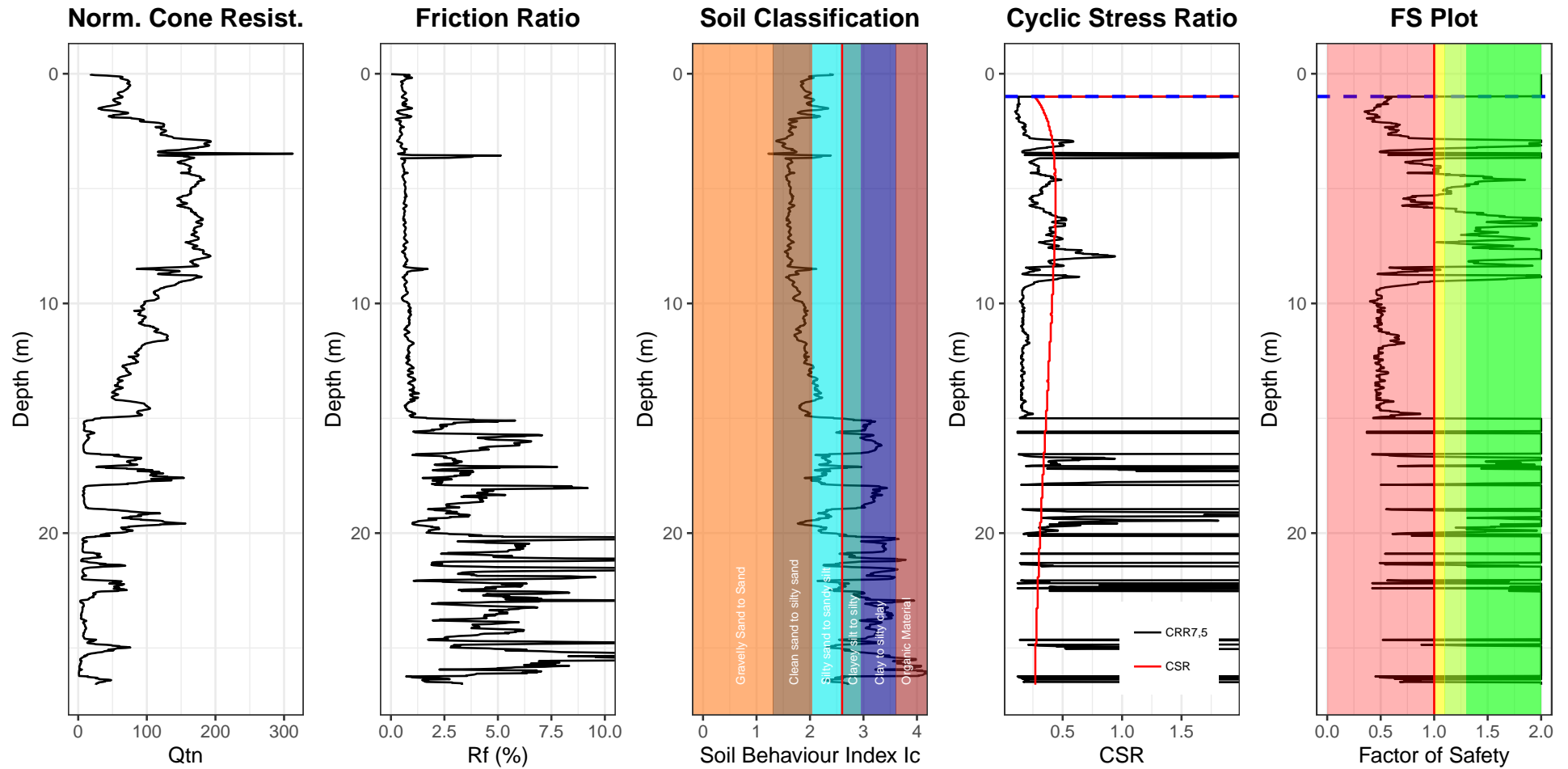
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	0.99
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1619613 , 5429471

Raw Data Plots - CPT_171653



CPT_171653



Outputs for CPT_171653:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
204	21	41

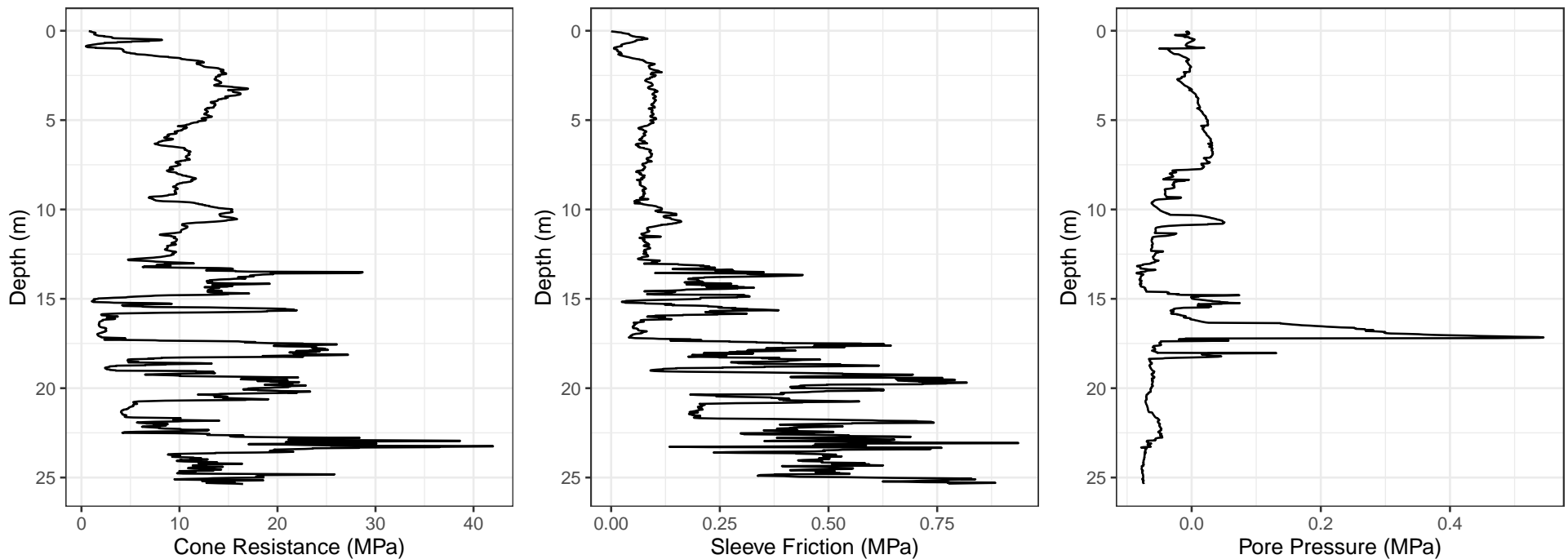
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

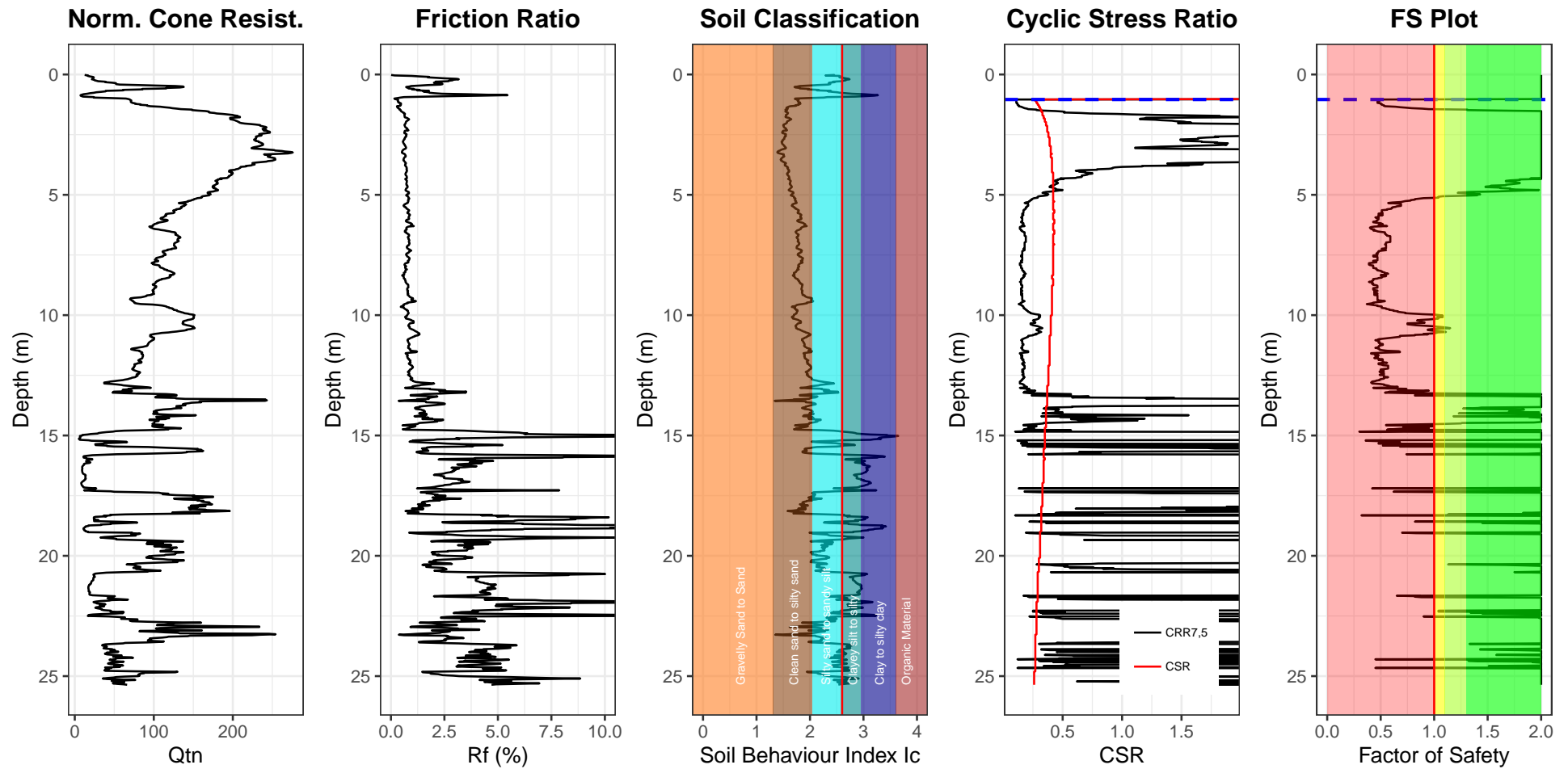
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.04
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1619786 , 5429211

Raw Data Plots - CPT_171654



CPT_171654



Outputs for CPT_171654:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
180	21	28

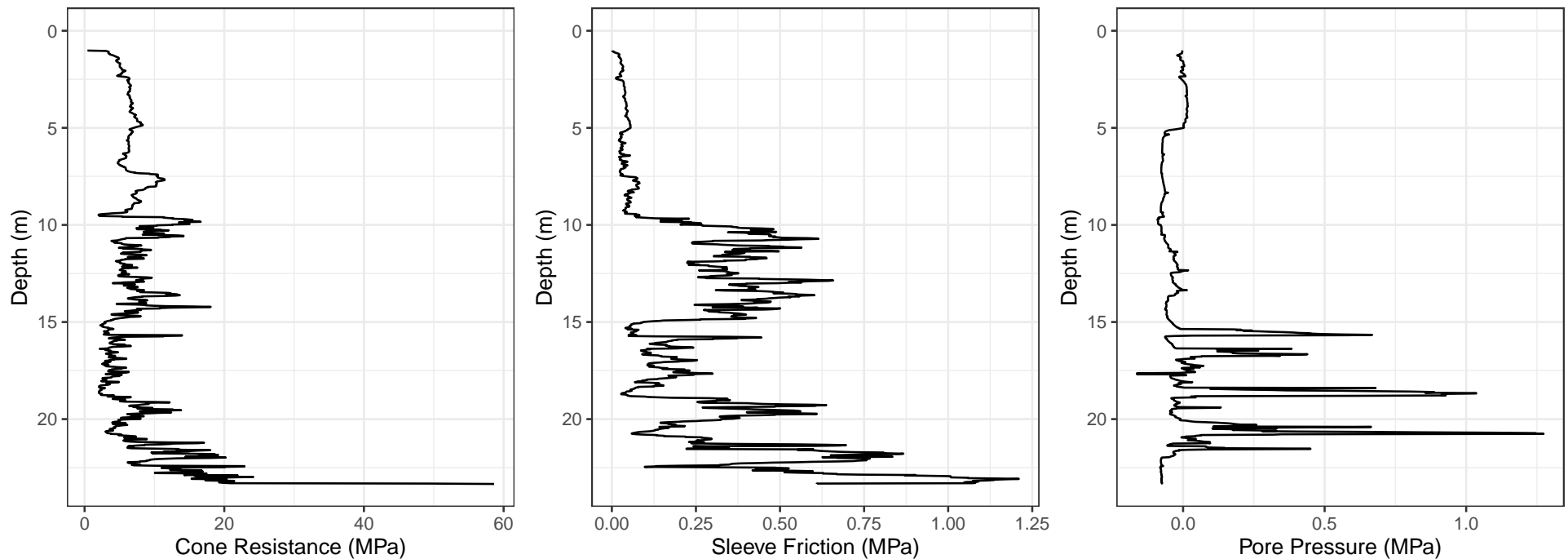
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

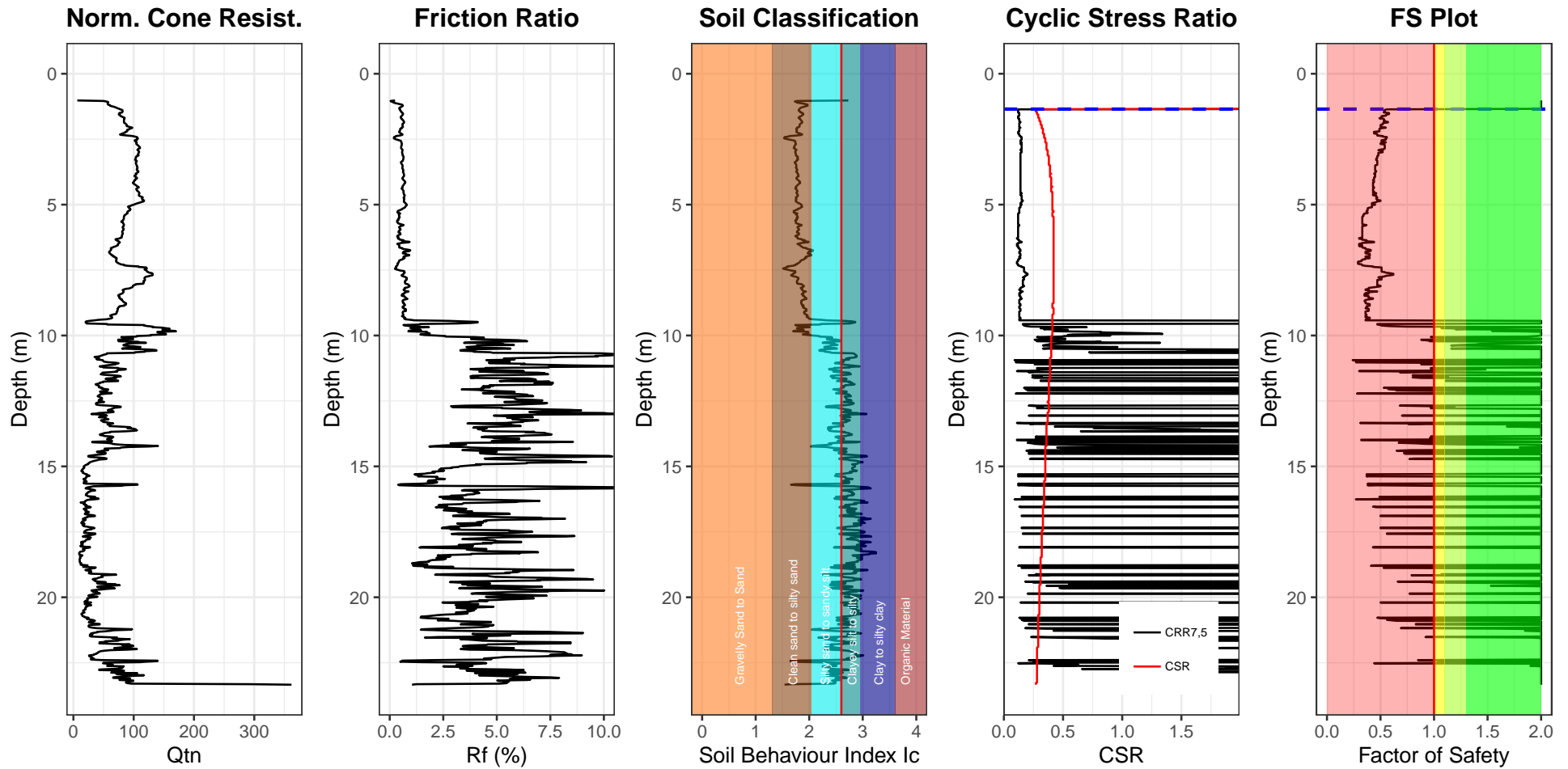
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.35
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 1.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619617 , 5428264

Raw Data Plots - CPT_171655



CPT_171655



Outputs for CPT_171655:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
231	35	49

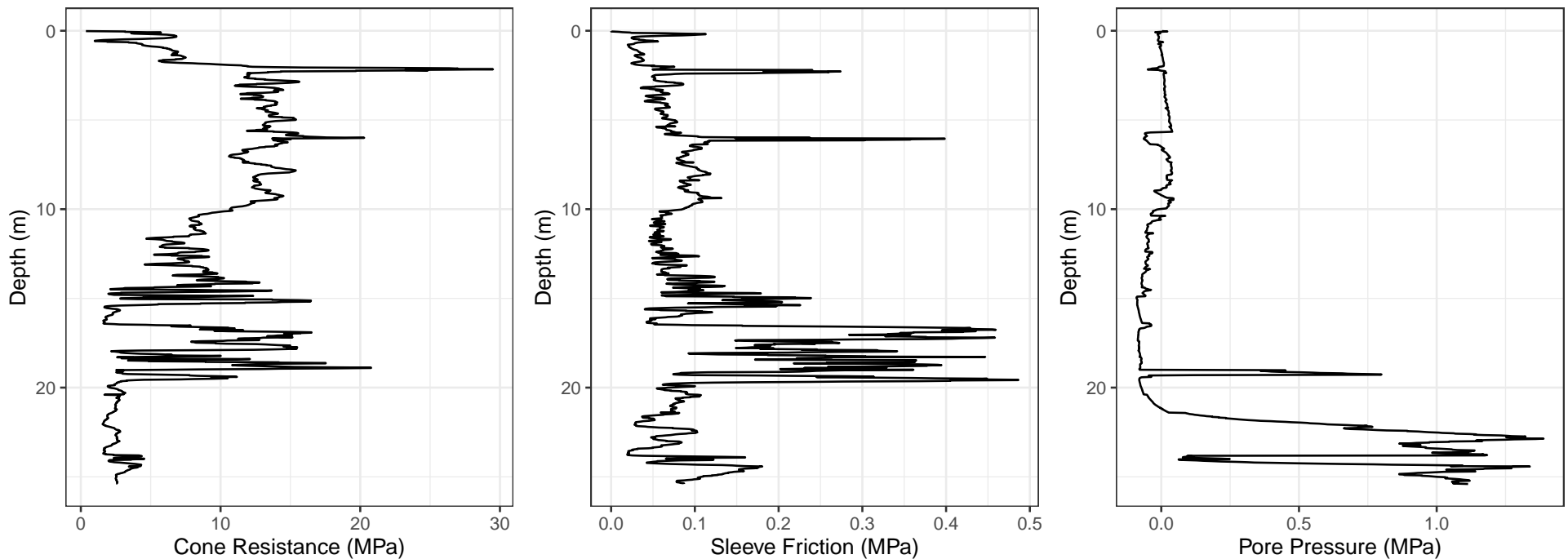
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

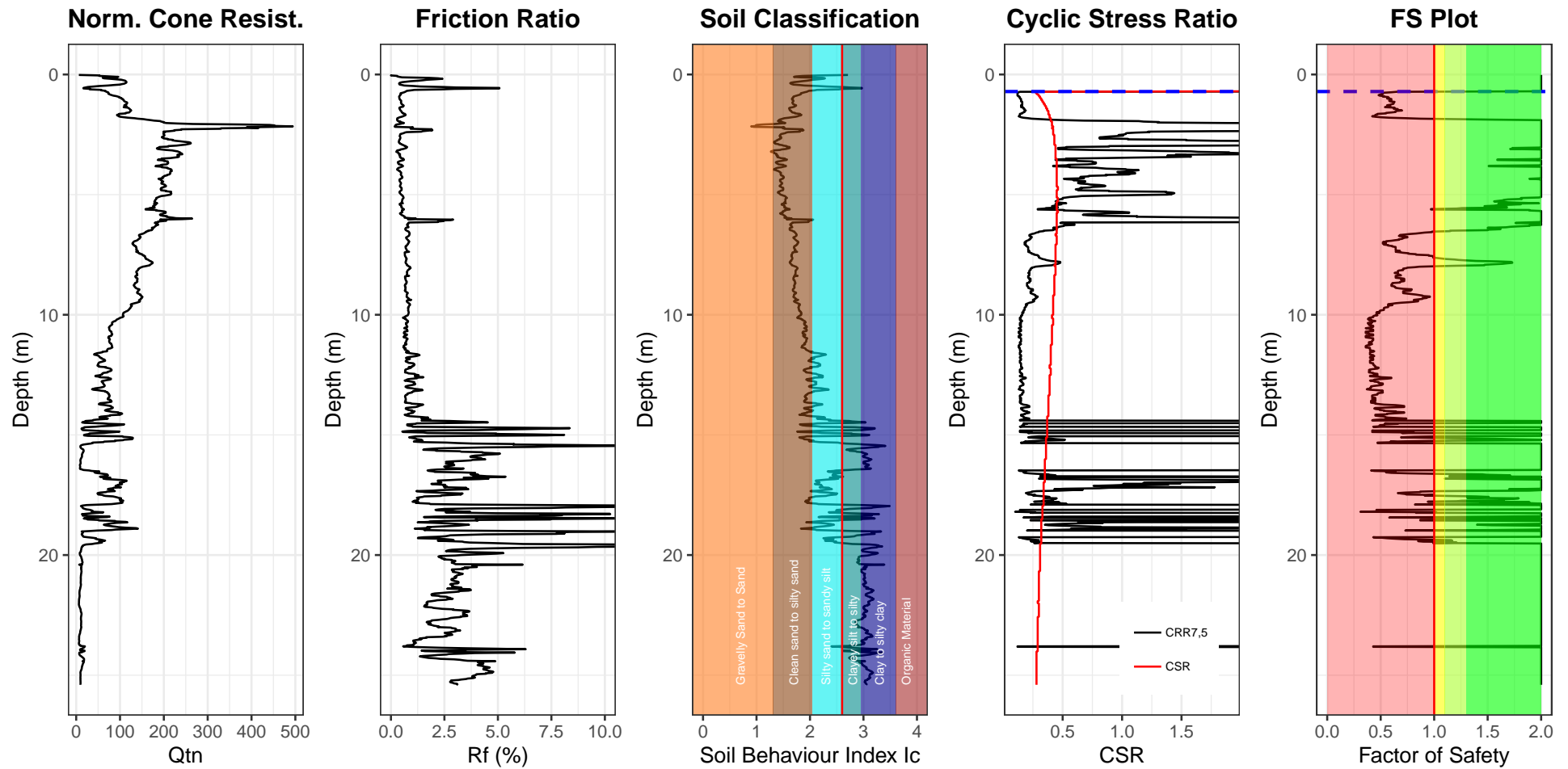
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	0.71
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620104 , 5429737

Raw Data Plots - CPT_171656



CPT_171656



Outputs for CPT_171656:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
194	20	37

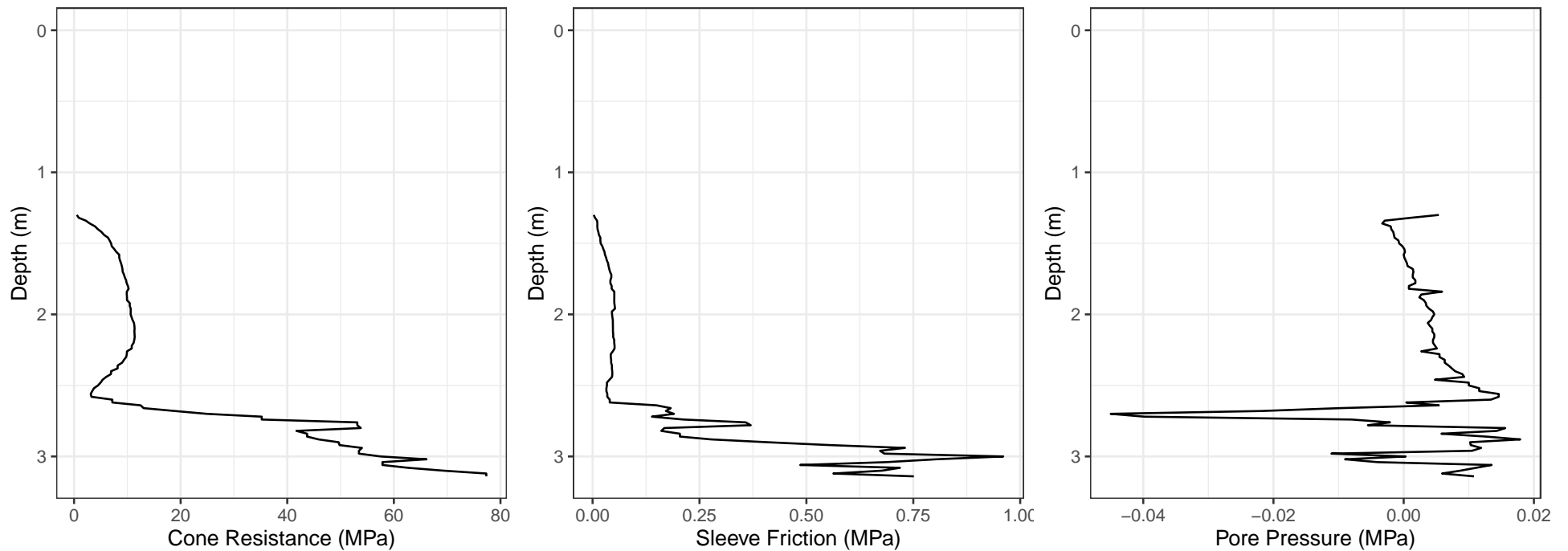
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

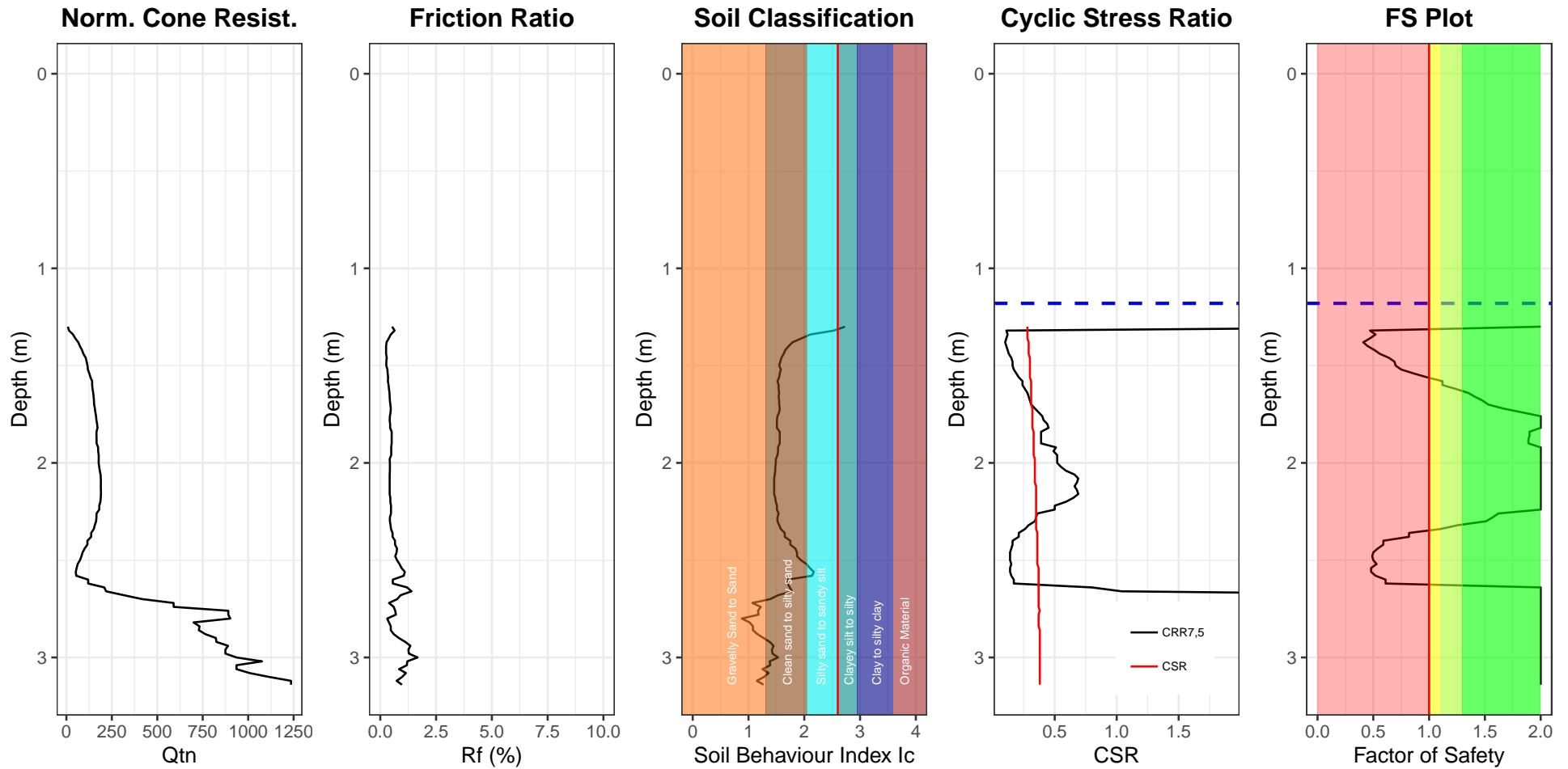
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.18
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	1.3
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620094 , 5429492

Raw Data Plots - CPT_171657



CPT_171657



Outputs for CPT_171657:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
12	2	7

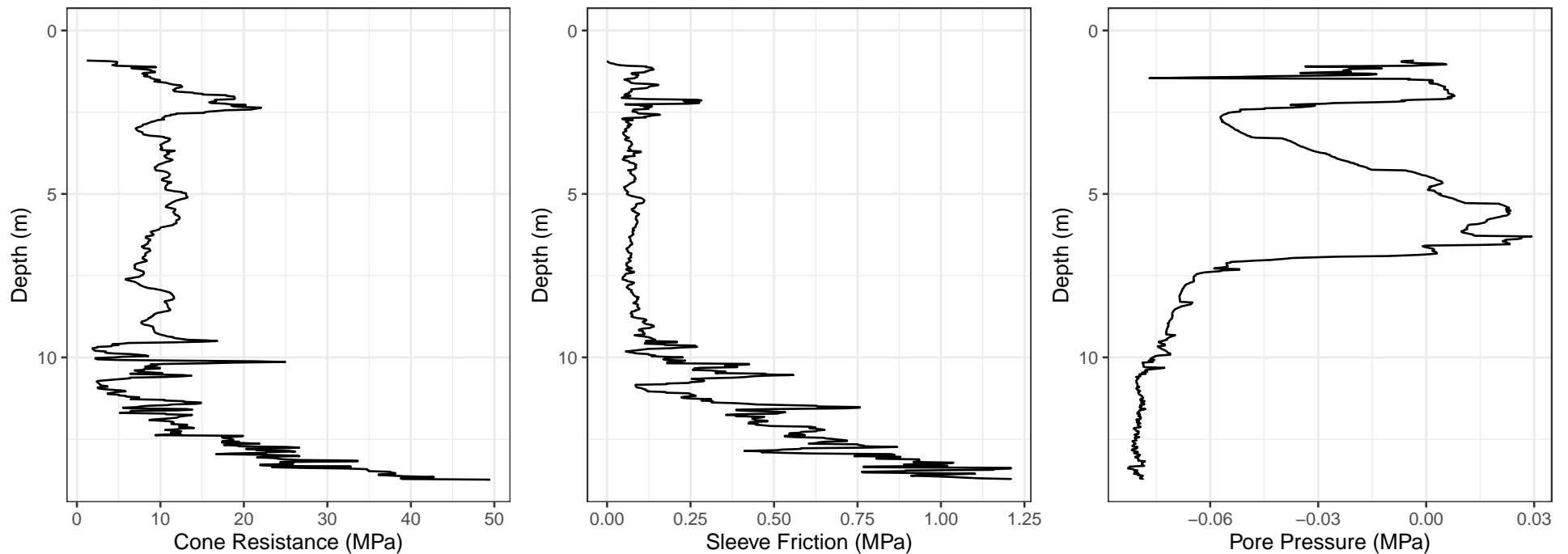
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

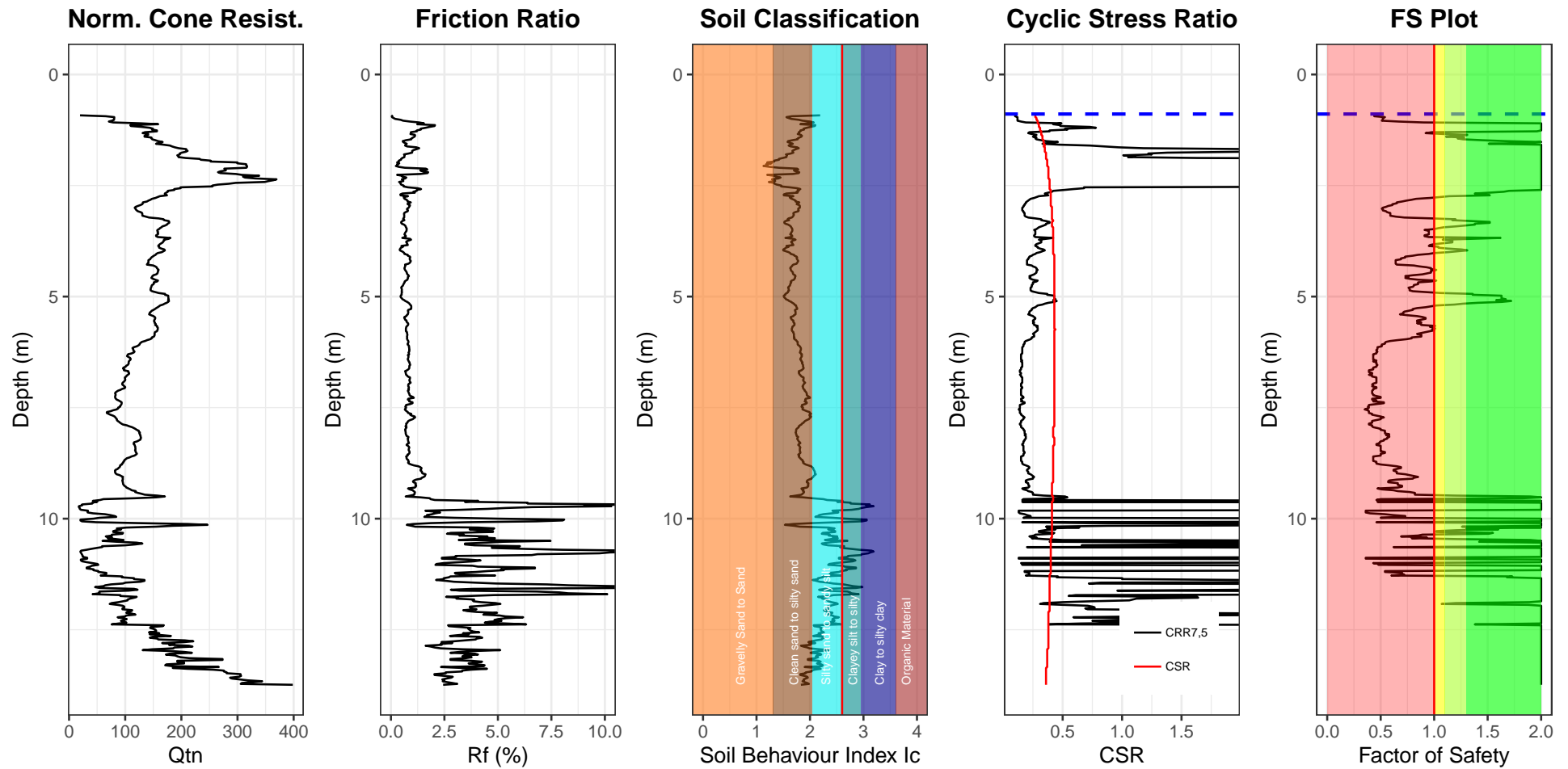
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 0.89
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1620269 , 5428987

Raw Data Plots - CPT_171658



CPT_171658



Outputs for CPT_171658:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
119	16	24

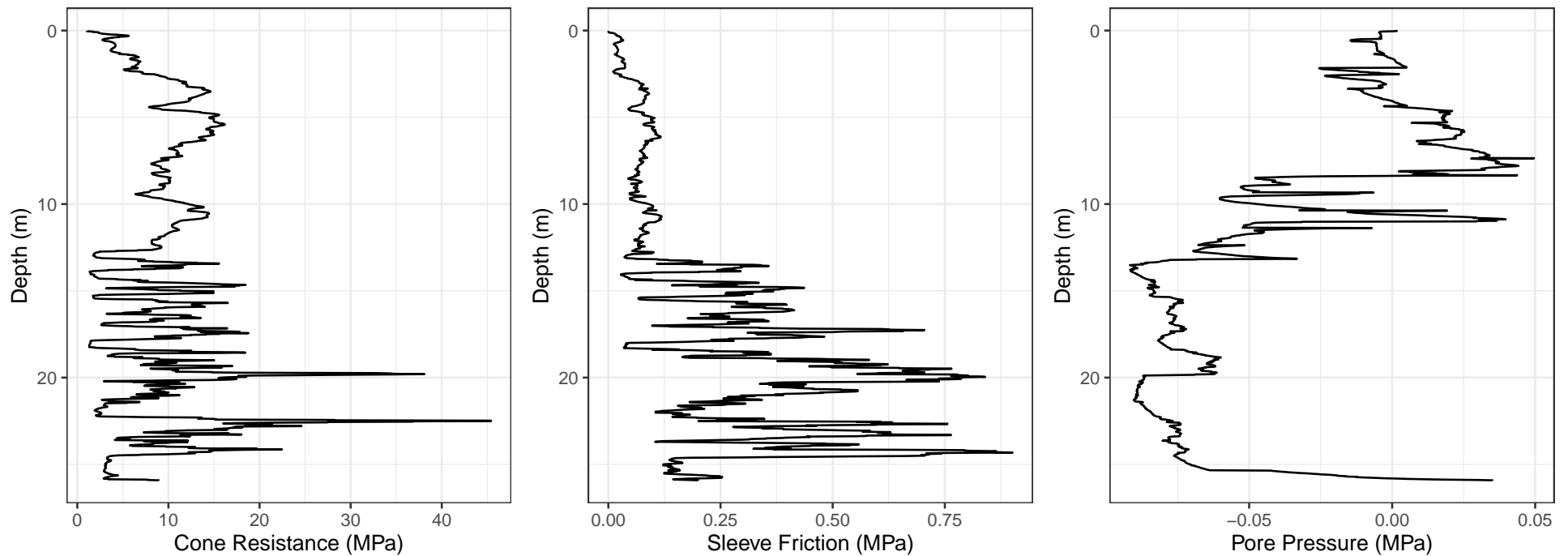
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

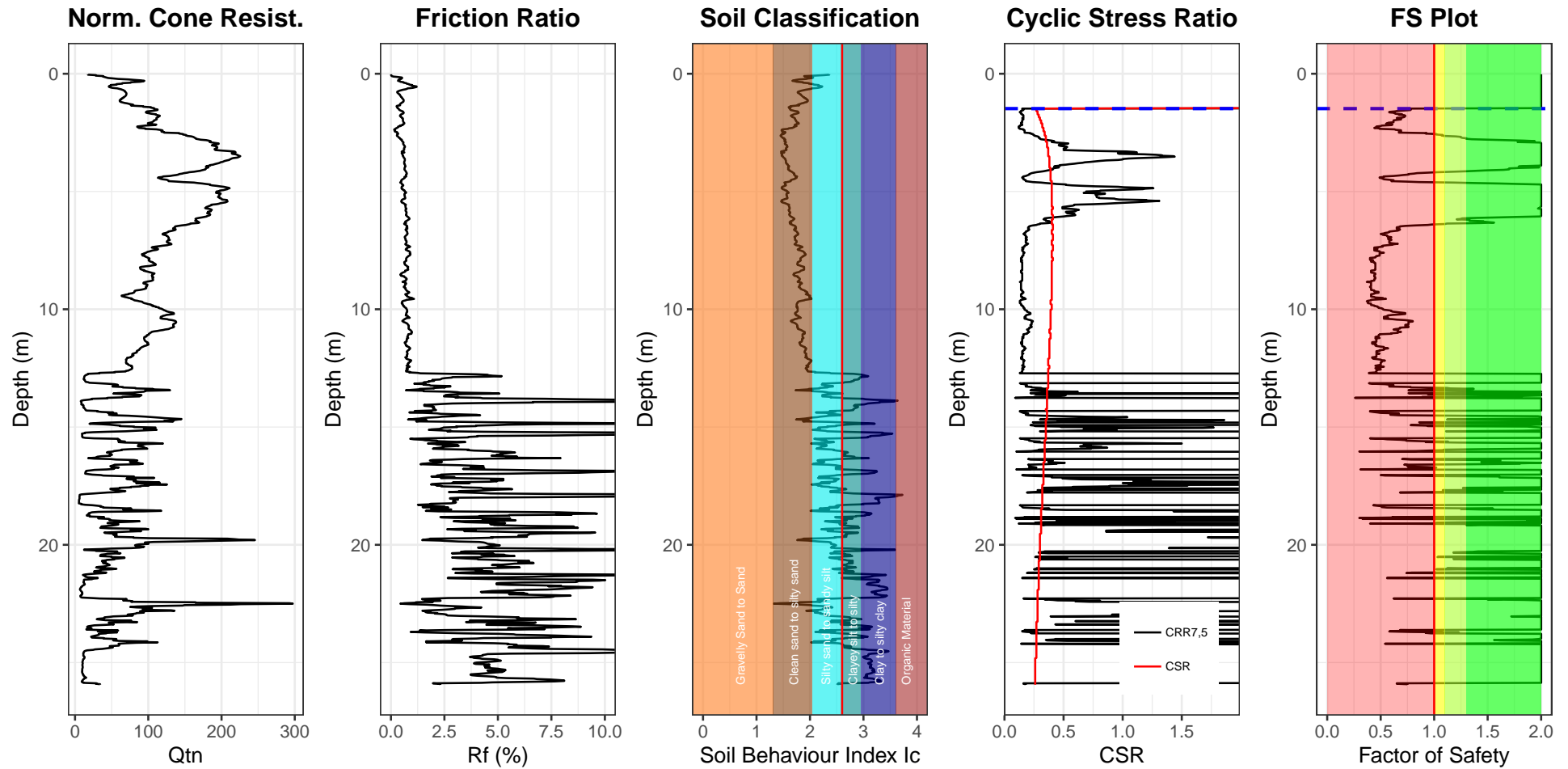
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.48
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.02
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619735 , 5428878

Raw Data Plots - CPT_171659



CPT_171659



Outputs for CPT_171659:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
196	22	30

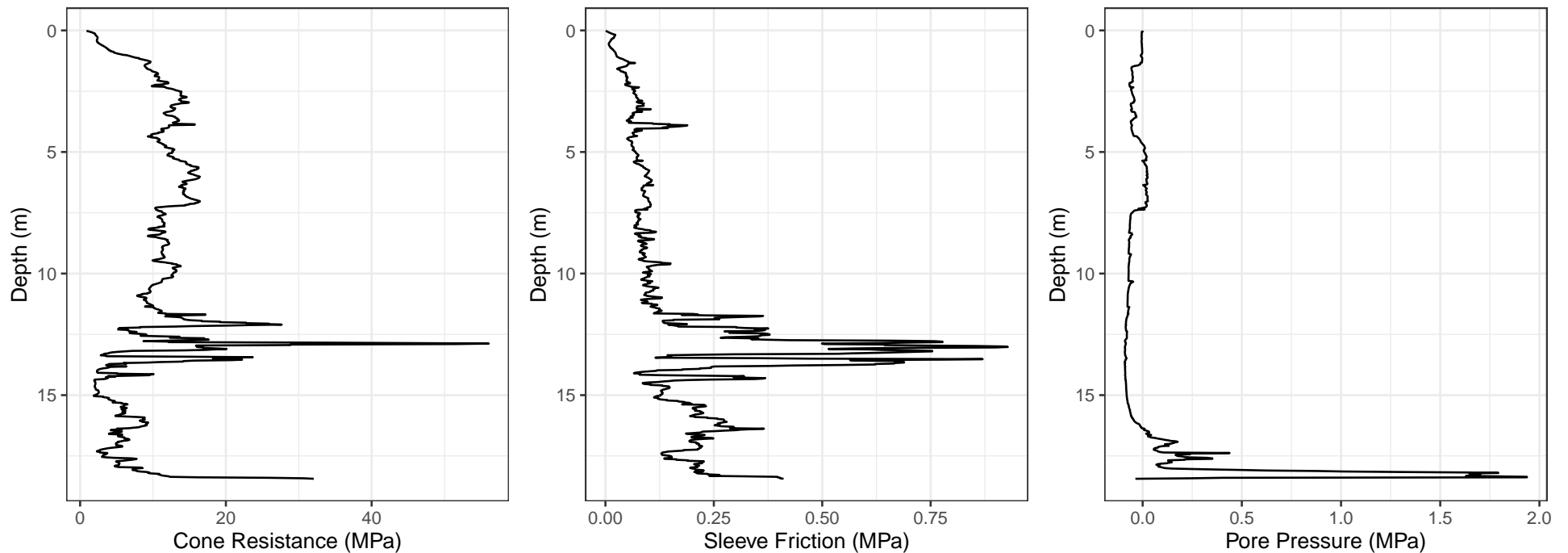
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

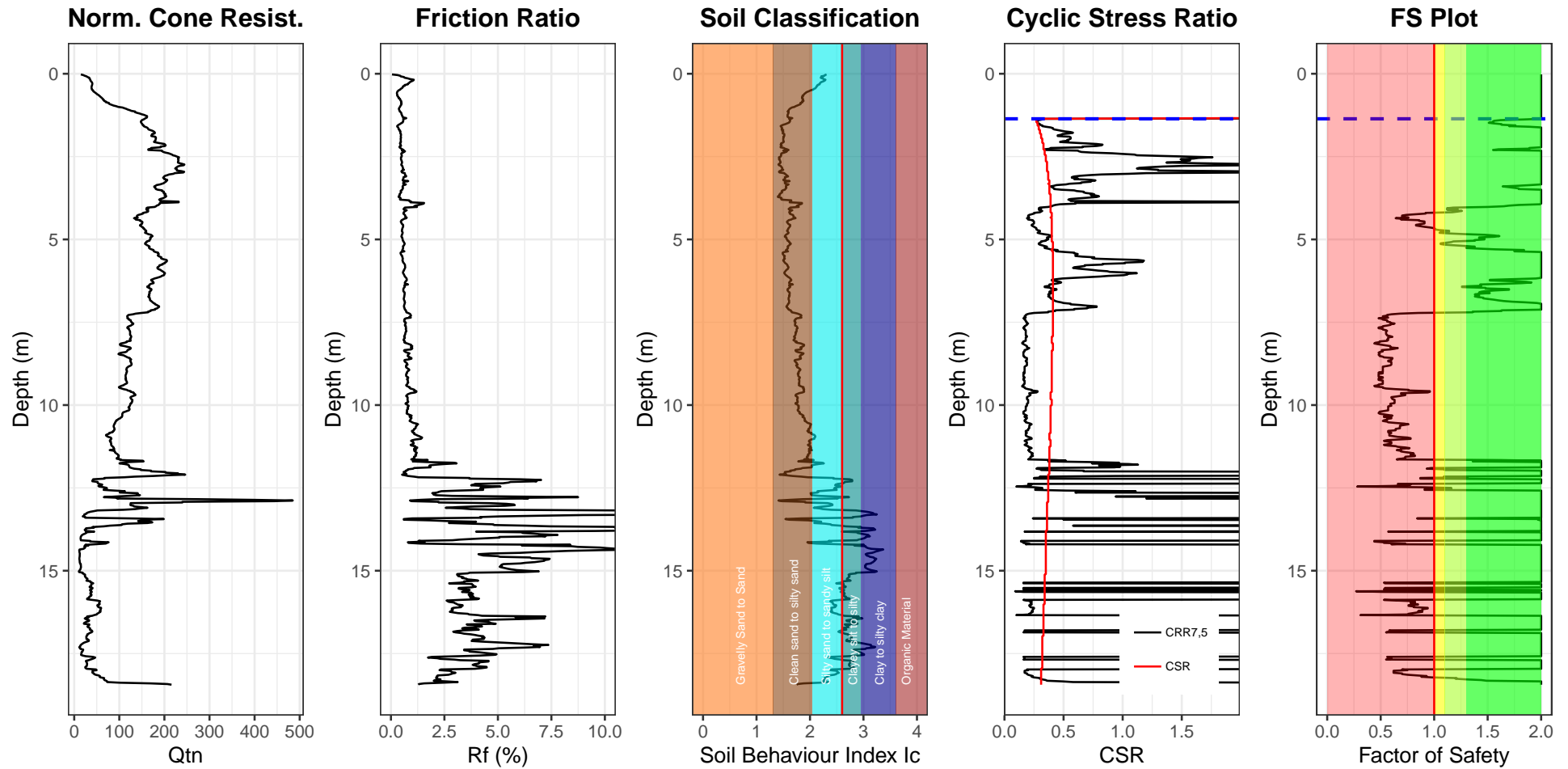
Input Parameters

Analysis :		Seismic :		Data :	
<i>Analysis method :</i>	Idriss and Boulanger (2014)	<i>Return Period :</i>	1 in 500yr	<i>Groundwater (m bgl) :</i>	1.36
<i>Ic classification :</i>	Robertson SBT index (2009)	<i>PGA (g) :</i>	0.41	<i>Groundwater:</i>	Measured
<i>Ic cutoff value :</i>	2.6	<i>Mw :</i>	6.1	<i>CPT start depth (m) :</i>	0.02
<i>Settlement method :</i>	Zhang et al. (2002)	<i>Method :</i>	MBIE Module 1	<i>Coordinates (NZTM) :</i>	1620242 , 5429364

Raw Data Plots - CPT_172821



CPT_172821



Outputs for CPT_172821:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
116	11	12

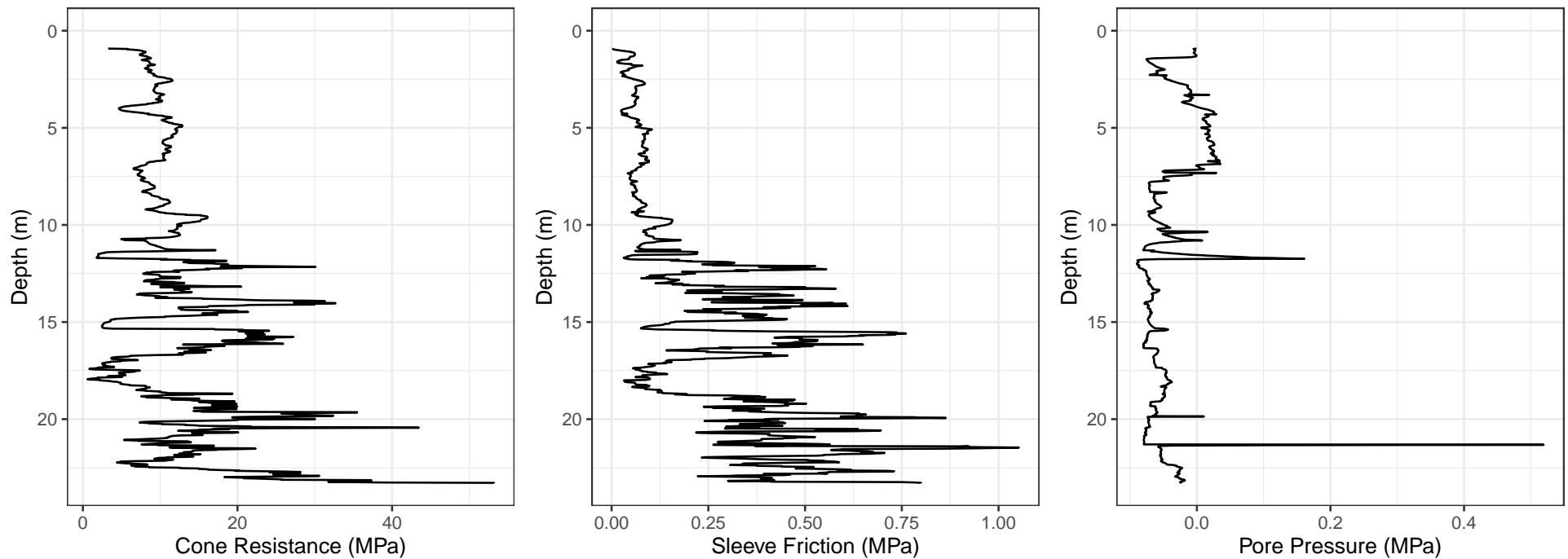
LIQUEFACTION ASSESSMENT REPORT

Project title : Tahunanui Liquefaction Assessment
 Job Number : 4293304 Client : Nelson City Council

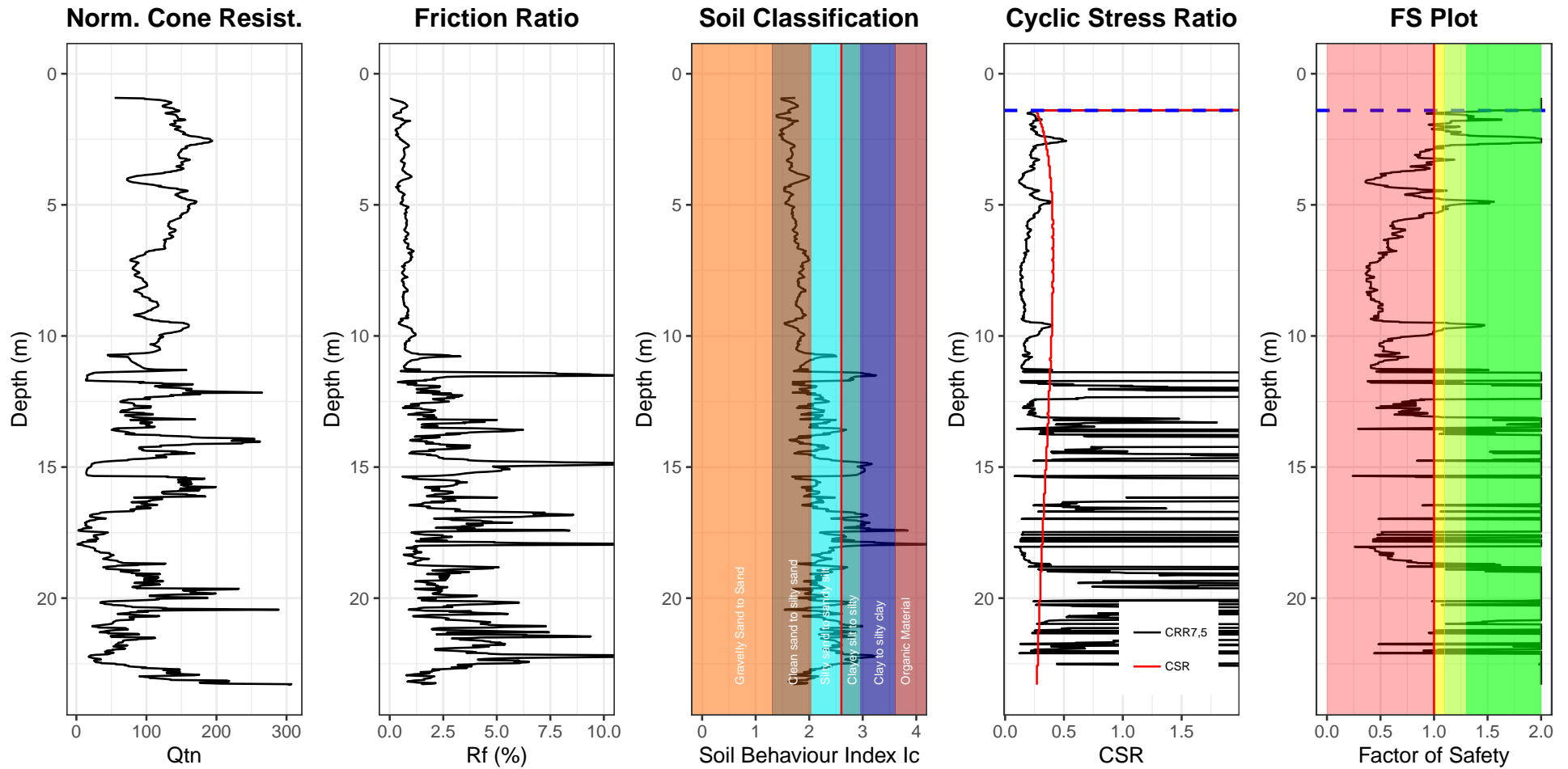
Input Parameters

Analysis :	Seismic :	Data :
<i>Analysis method :</i> Idriss and Boulanger (2014)	<i>Return Period :</i> 1 in 500yr	<i>Groundwater (m bgl) :</i> 1.4
<i>Ic classification :</i> Robertson SBT index (2009)	<i>PGA (g) :</i> 0.41	<i>Groundwater:</i> Measured
<i>Ic cutoff value :</i> 2.6	<i>Mw :</i> 6.1	<i>CPT start depth (m) :</i> 0.92
<i>Settlement method :</i> Zhang et al. (2002)	<i>Method :</i> MBIE Module 1	<i>Coordinates (NZTM) :</i> 1619797 , 5428662

Raw Data Plots - CPT_172822



CPT_172822



Outputs for CPT_172822:

Free field Liquefaction Settlement (mm)	Liquefaction Potential Index	Liquefaction Severity Number
186	20	26