

V_s BASED LIQUEFACTION ANALYSIS REPORT

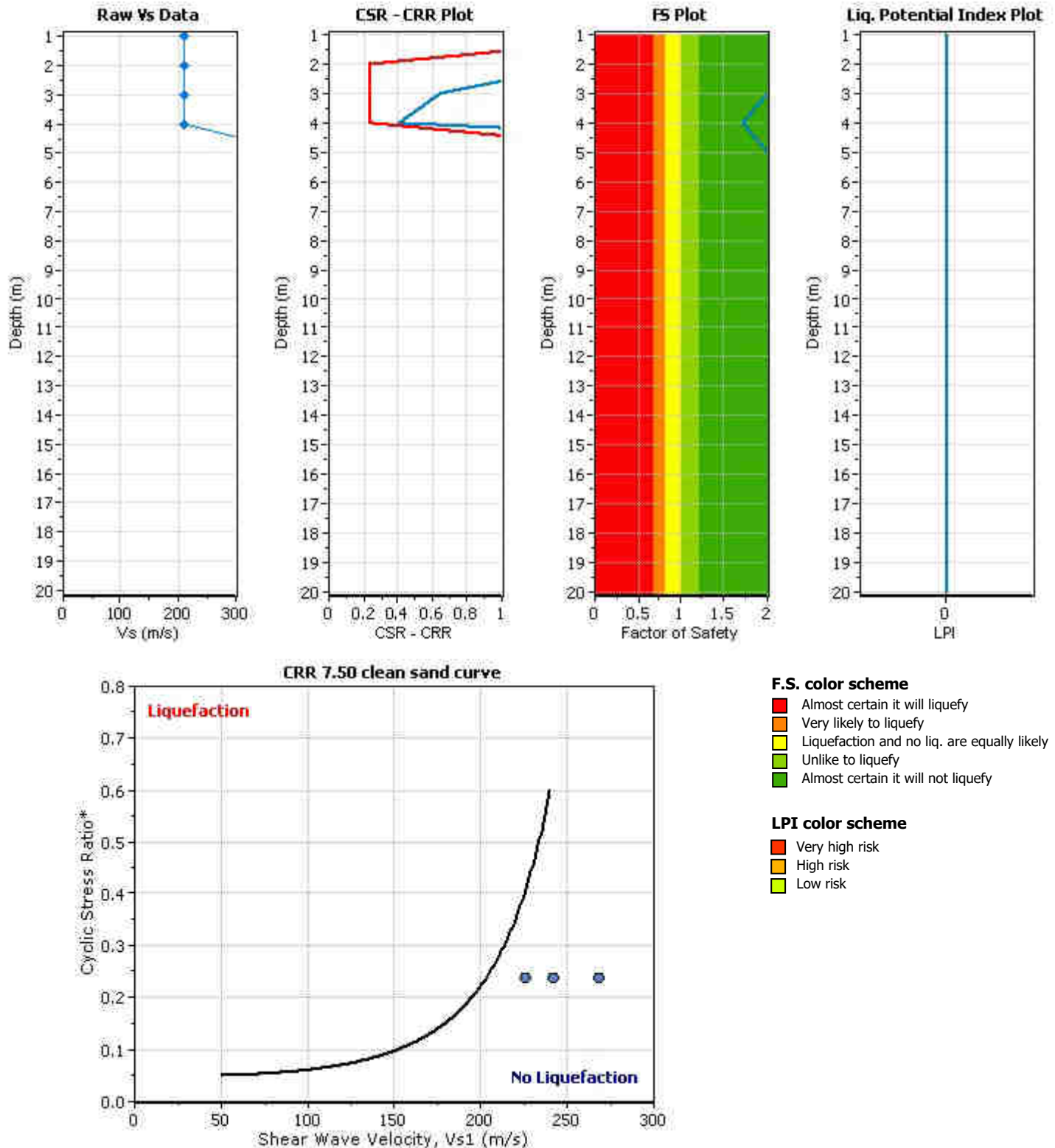
Project title :

V_s Name: L194

Location :

:: Input parameters and analysis properties ::

Analysis method: Kayen et al. 2013
G.W.T. (in-situ): 4.00 m
G.W.T. (earthq.): 0.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



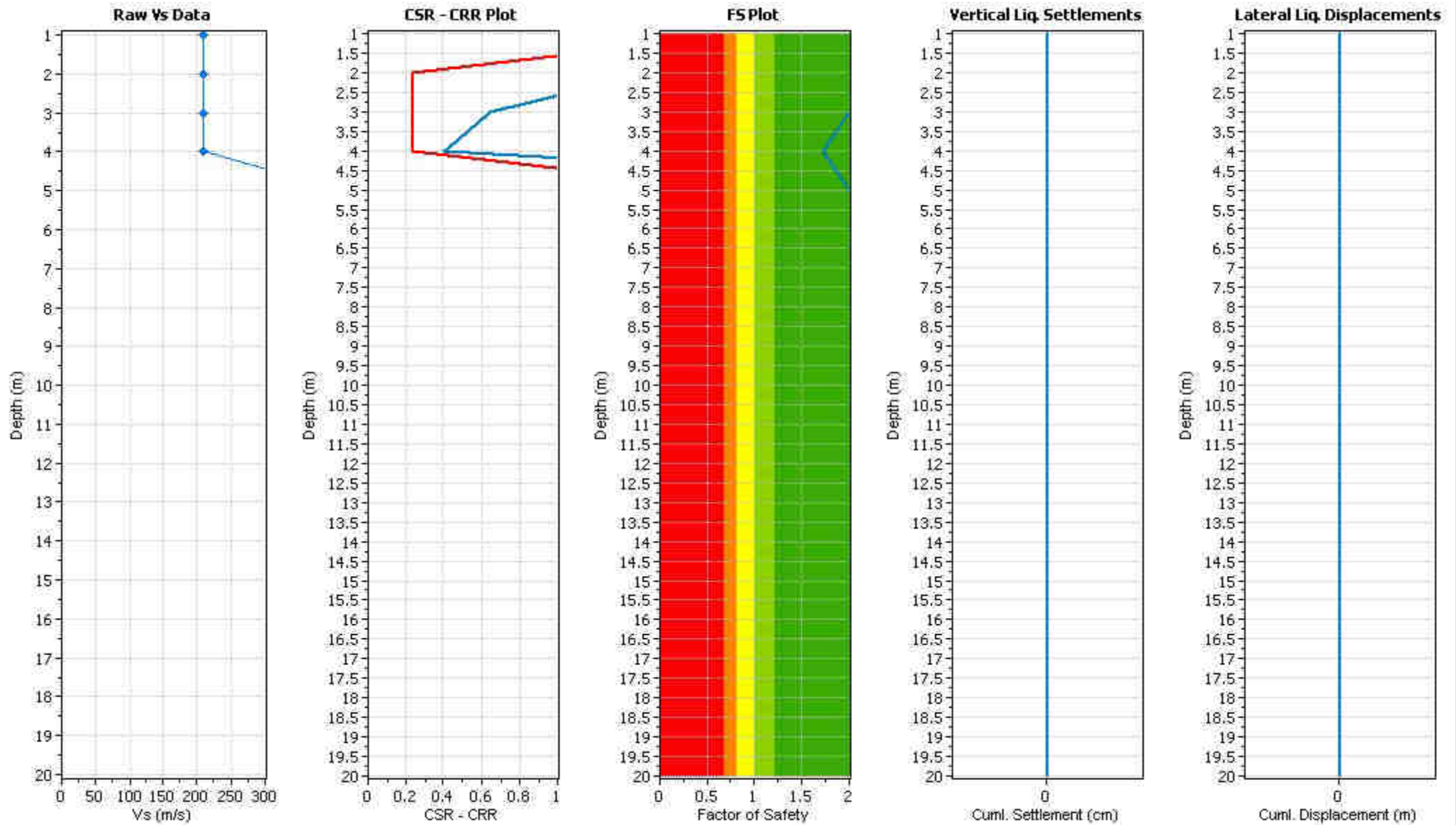
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	210.00	5.00	19.00	1.00	Yes
2.00	210.00	5.00	19.00	2.00	Yes
3.00	210.00	5.00	19.00	3.00	Yes
4.00	210.00	5.00	19.00	4.00	Yes
5.00	410.00	5.00	20.00	5.00	Yes
6.00	410.00	5.00	20.00	6.00	Yes
7.00	410.00	5.00	20.00	7.00	Yes
8.00	410.00	5.00	20.00	8.00	Yes
9.00	410.00	5.00	20.00	9.00	Yes
10.00	410.00	5.00	20.00	10.00	Yes
11.00	410.00	5.00	20.00	11.00	Yes
12.00	410.00	5.00	20.00	12.00	Yes
13.00	410.00	5.00	20.00	13.00	Yes
14.00	410.00	5.00	20.00	14.00	Yes
15.00	410.00	5.00	20.00	15.00	Yes
16.00	410.00	5.00	20.00	16.00	Yes
17.00	410.00	5.00	20.00	17.00	Yes
18.00	410.00	5.00	20.00	18.00	Yes
19.00	410.00	5.00	20.00	19.00	Yes
20.00	410.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	1.714	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

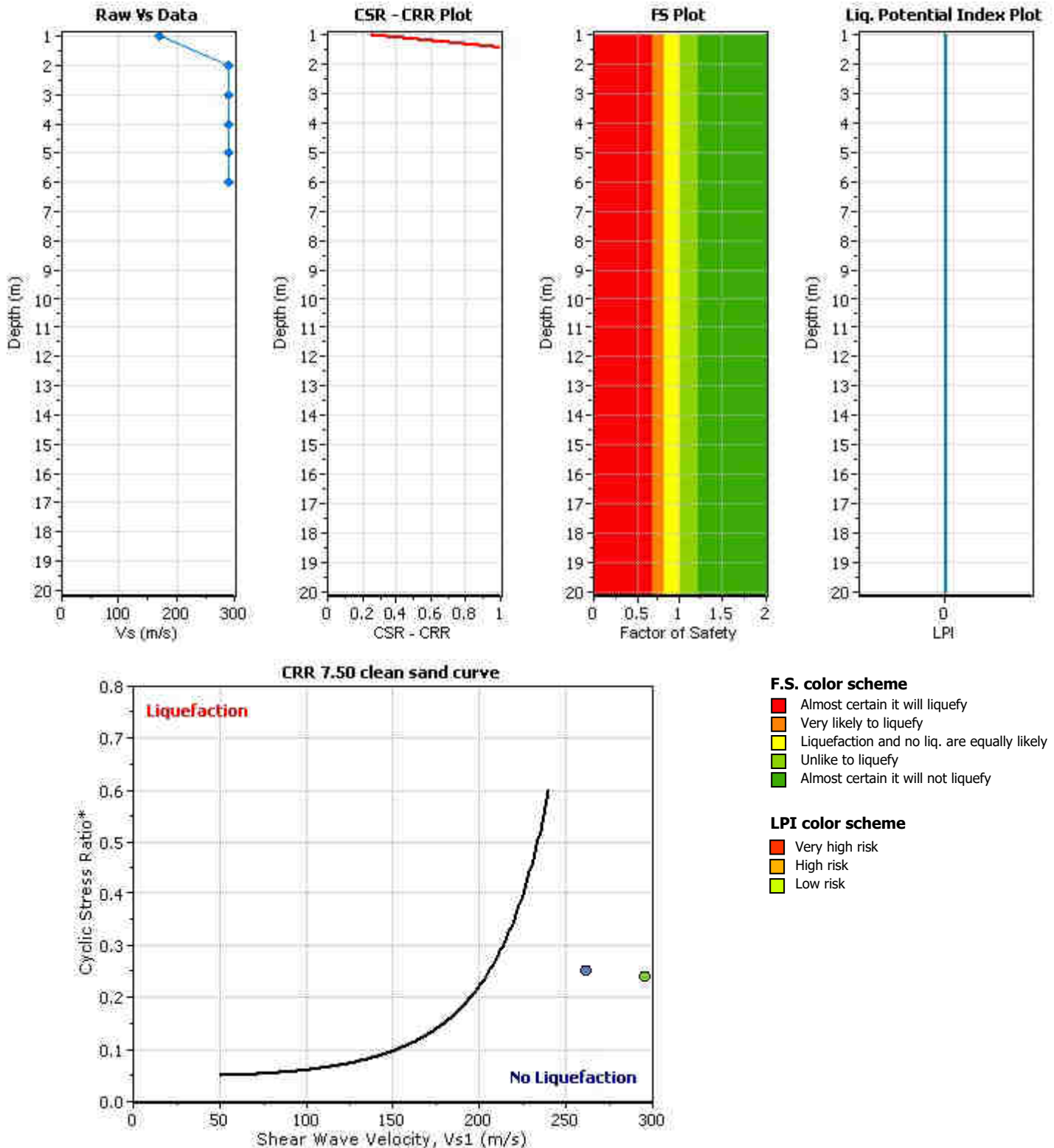
Project title :

V_s Name: L207

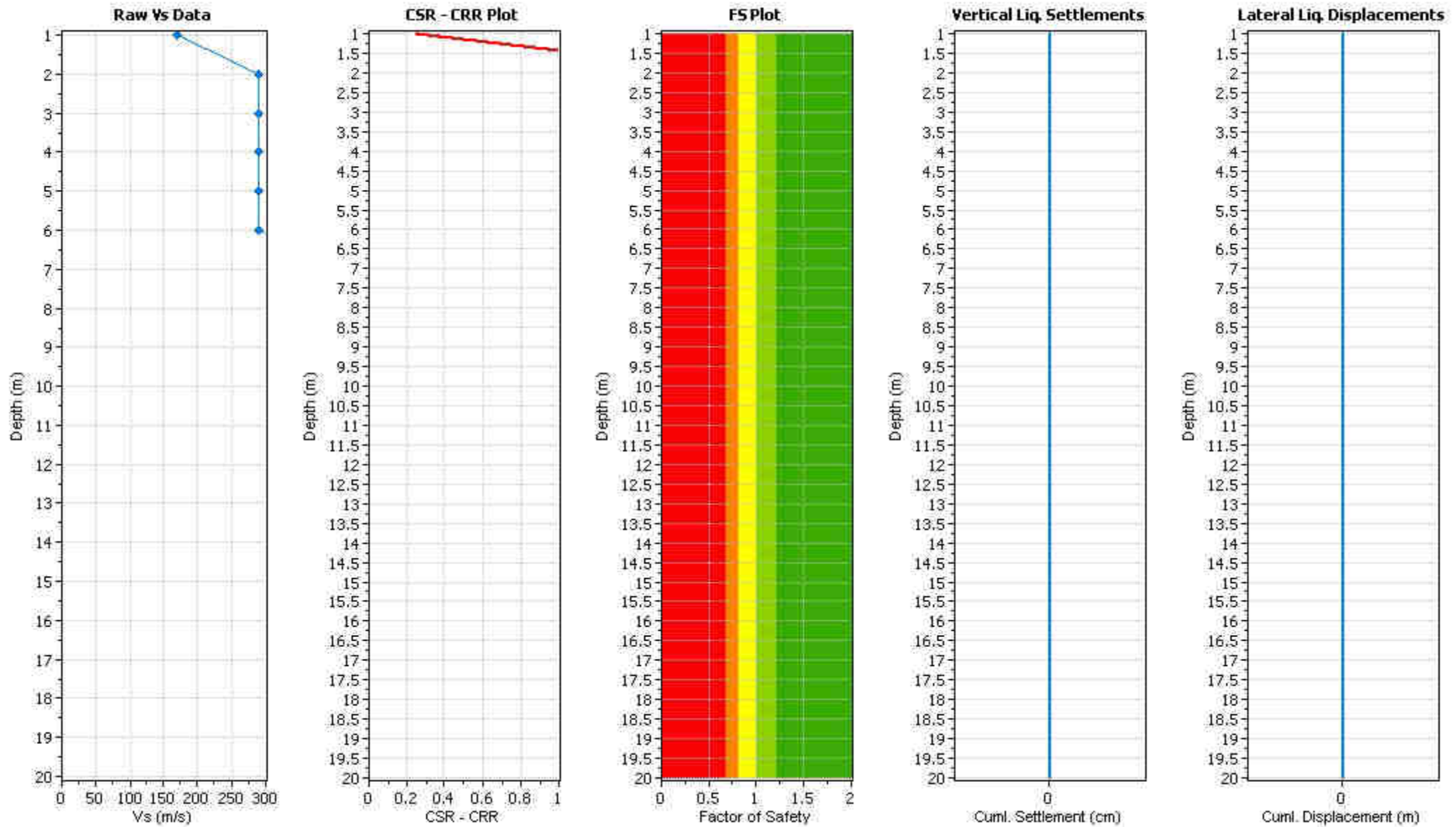
Location :

:: Input parameters and analysis properties ::

Analysis method: Kayen et al. 2013
G.W.T. (in-situ): 4.00 m
G.W.T. (earthq.): 0.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	170.00	5.00	18.00	1.00	Yes
2.00	290.00	5.00	19.00	2.00	Yes
3.00	290.00	5.00	19.00	3.00	Yes
4.00	290.00	5.00	19.00	4.00	Yes
5.00	290.00	5.00	19.00	5.00	Yes
6.00	290.00	5.00	19.00	6.00	Yes
7.00	420.00	5.00	20.00	7.00	Yes
8.00	420.00	5.00	20.00	8.00	Yes
9.00	420.00	5.00	20.00	9.00	Yes
10.00	420.00	5.00	20.00	10.00	Yes
11.00	420.00	5.00	20.00	11.00	Yes
12.00	420.00	5.00	20.00	12.00	Yes
13.00	420.00	5.00	20.00	13.00	Yes
14.00	420.00	5.00	20.00	14.00	Yes
15.00	420.00	5.00	20.00	15.00	Yes
16.00	420.00	5.00	20.00	16.00	Yes
17.00	420.00	5.00	20.00	17.00	Yes
18.00	420.00	5.00	20.00	18.00	Yes
19.00	420.00	5.00	20.00	19.00	Yes
20.00	420.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
 Vs Field Value: Measured shear waves velocity (m/s)
 Fines Content: Fines content at test depth (%)
 Unit Weight: Unit weight at test depth (kN/m³)
 Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
 Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

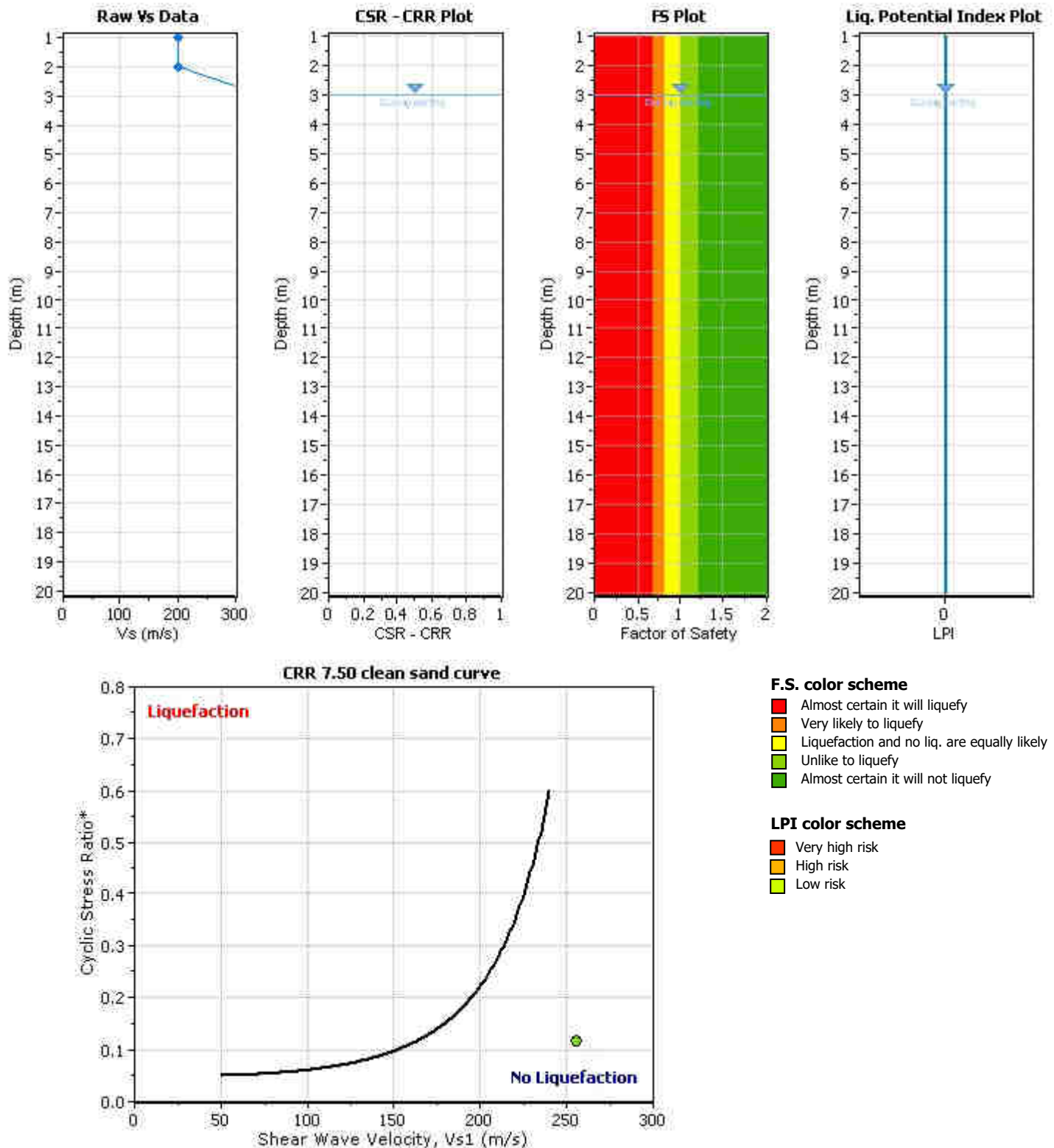
Project title :

V_s Name: L211

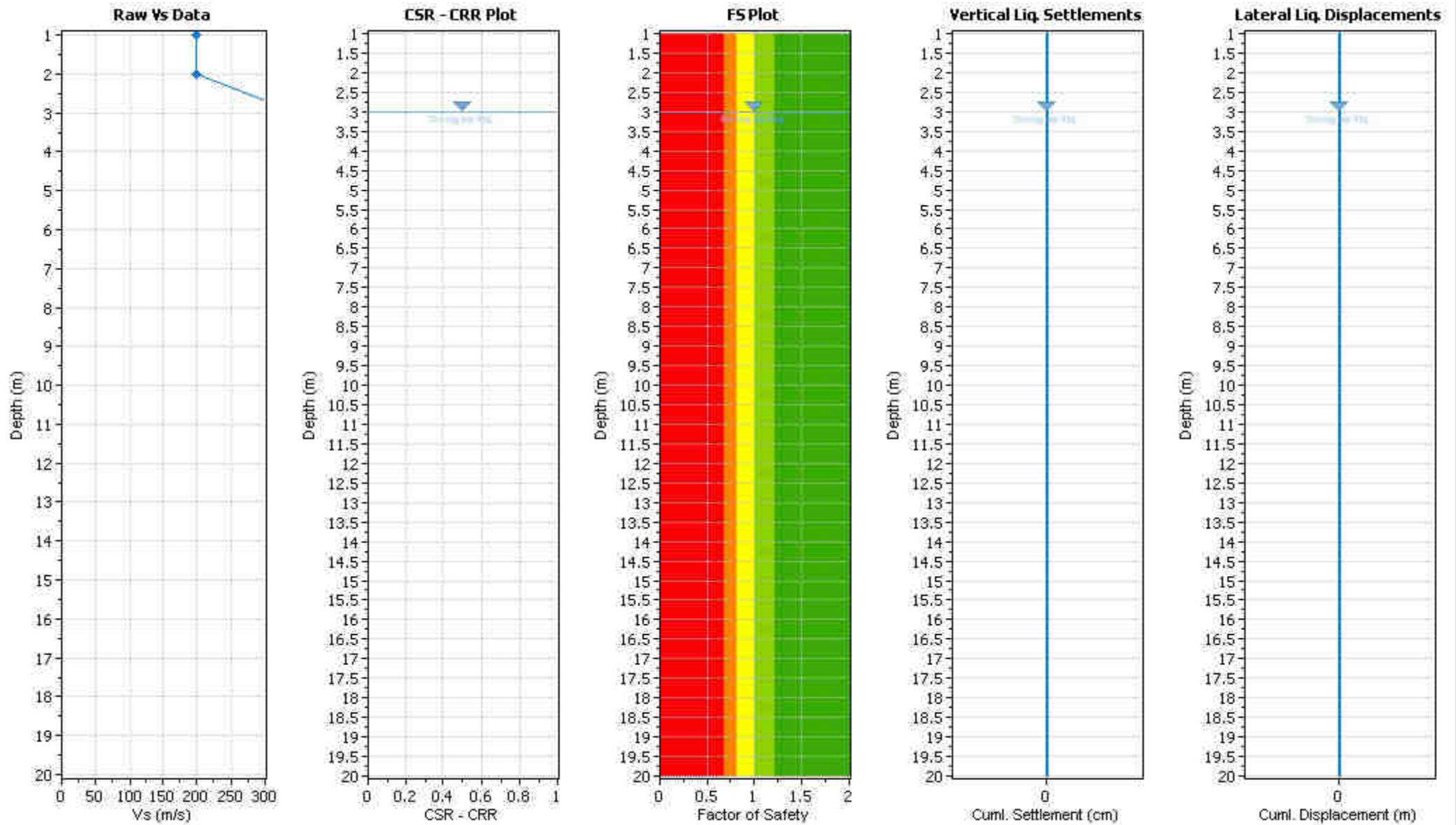
Location :

:: Input parameters and analysis properties ::

Analysis method: Kayen et al. 2013
G.W.T. (in-situ): 4.00 m
G.W.T. (earthq.): 3.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	200.00	5.00	19.00	1.00	Yes
2.00	200.00	5.00	19.00	2.00	Yes
3.00	350.00	5.00	19.00	3.00	Yes
4.00	350.00	5.00	19.00	4.00	Yes
5.00	350.00	5.00	19.00	5.00	Yes
6.00	350.00	5.00	19.00	6.00	Yes
7.00	350.00	5.00	19.00	7.00	Yes
8.00	350.00	5.00	19.00	8.00	Yes
9.00	350.00	5.00	19.00	9.00	Yes
10.00	350.00	5.00	19.00	10.00	Yes
11.00	350.00	5.00	19.00	11.00	Yes
12.00	460.00	5.00	20.00	12.00	Yes
13.00	460.00	5.00	20.00	13.00	Yes
14.00	460.00	5.00	20.00	14.00	Yes
15.00	460.00	5.00	20.00	15.00	Yes
16.00	460.00	5.00	20.00	16.00	Yes
17.00	460.00	5.00	20.00	17.00	Yes
18.00	460.00	5.00	20.00	18.00	Yes
19.00	460.00	5.00	20.00	19.00	Yes
20.00	460.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

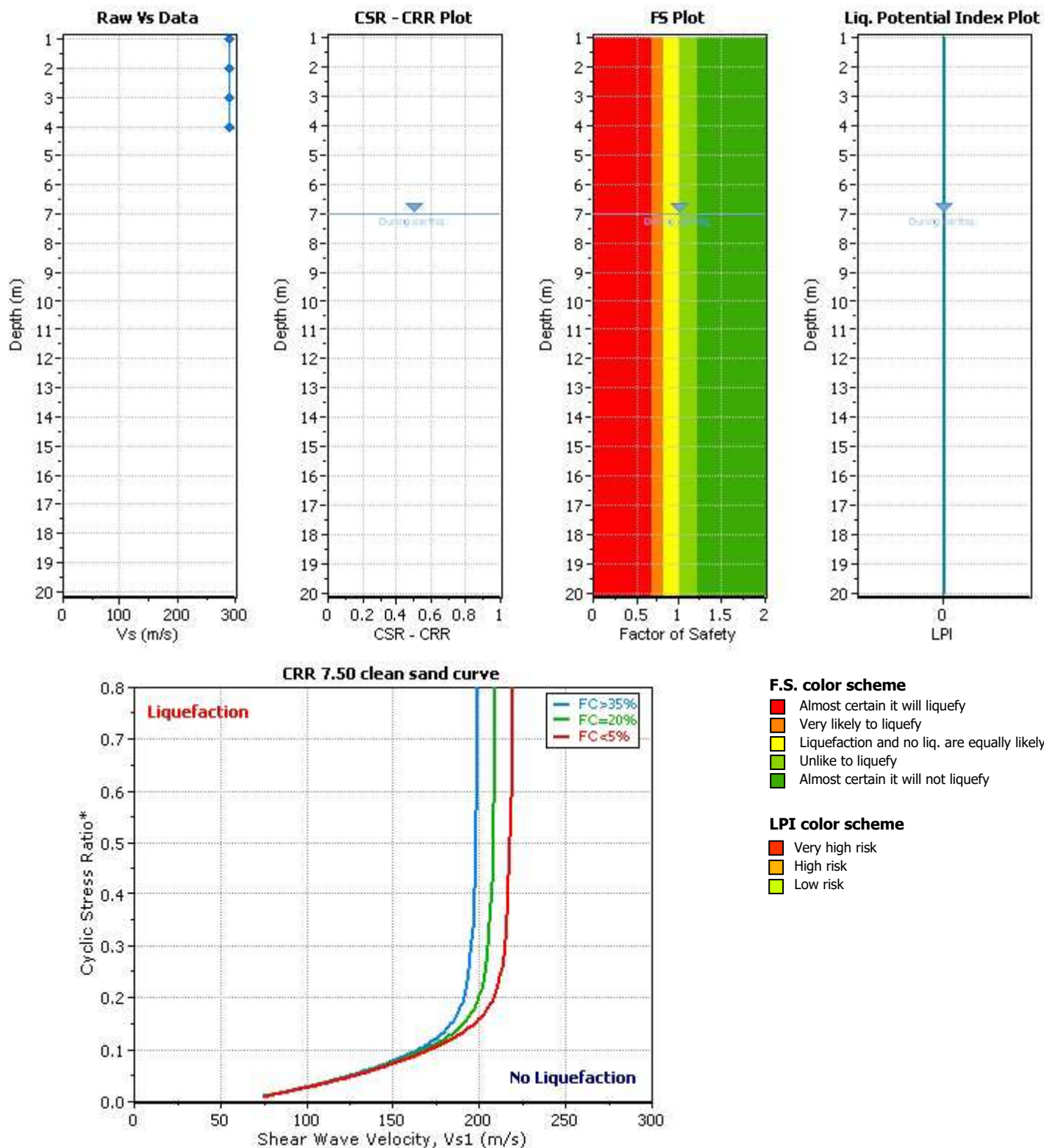
Project title :

V_s Name: L173

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 8.00 m
G.W.T. (earthq.): 7.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



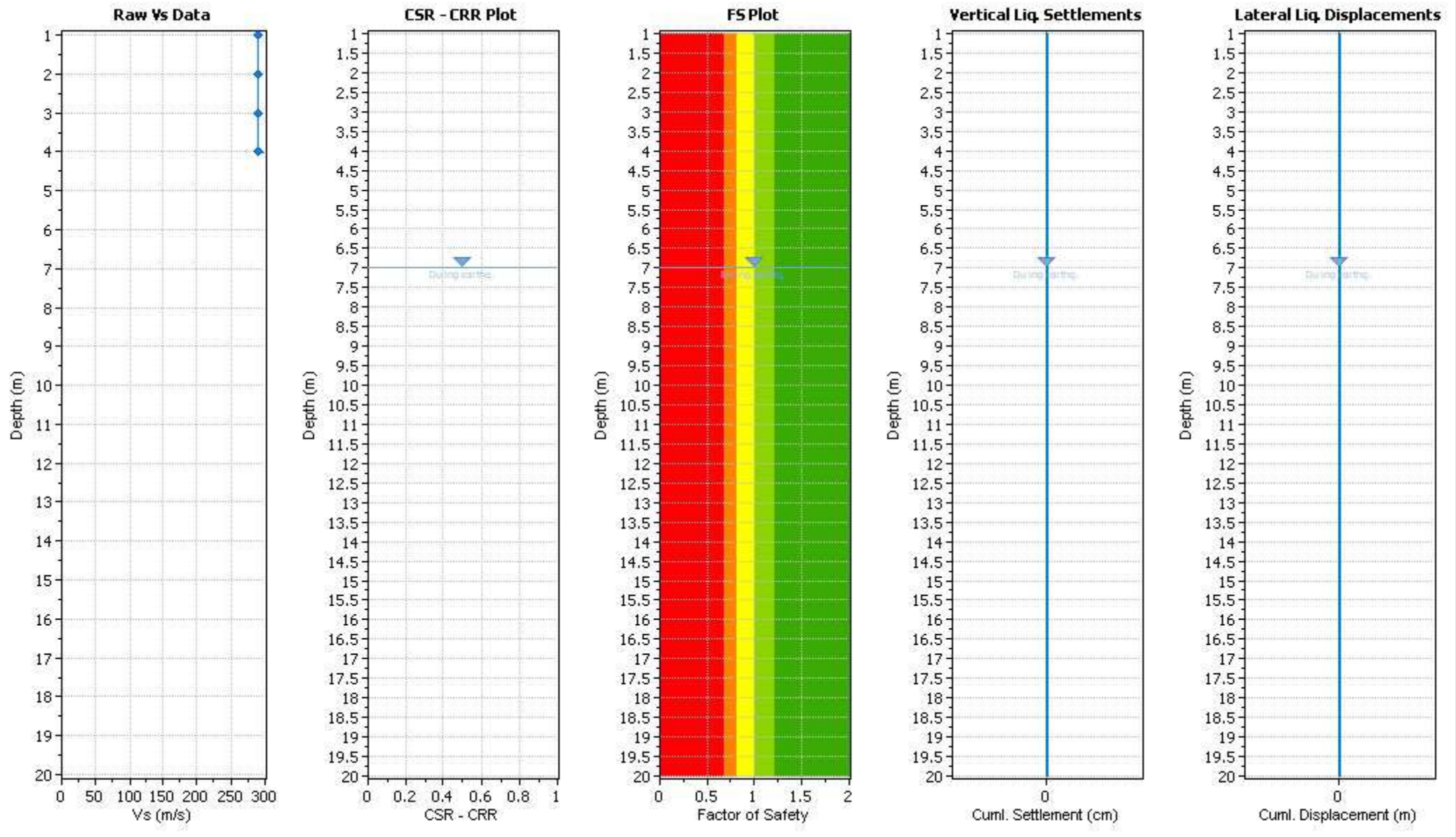
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	290.00	5.00	19.00	1.00	Yes
2.00	290.00	5.00	19.00	2.00	Yes
3.00	290.00	5.00	19.00	3.00	Yes
4.00	290.00	5.00	19.00	4.00	Yes
5.00	480.00	5.00	20.00	5.00	Yes
6.00	480.00	5.00	20.00	6.00	Yes
7.00	480.00	5.00	20.00	7.00	Yes
8.00	480.00	5.00	20.00	8.00	Yes
9.00	480.00	5.00	20.00	9.00	Yes
10.00	480.00	5.00	20.00	10.00	Yes
11.00	480.00	5.00	20.00	11.00	Yes
12.00	600.00	5.00	20.00	12.00	Yes
13.00	600.00	5.00	20.00	13.00	Yes
14.00	600.00	5.00	20.00	14.00	Yes
15.00	600.00	5.00	20.00	15.00	Yes
16.00	600.00	5.00	20.00	16.00	Yes
17.00	600.00	5.00	20.00	17.00	Yes
18.00	600.00	5.00	20.00	18.00	Yes
19.00	600.00	5.00	20.00	19.00	Yes
20.00	600.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

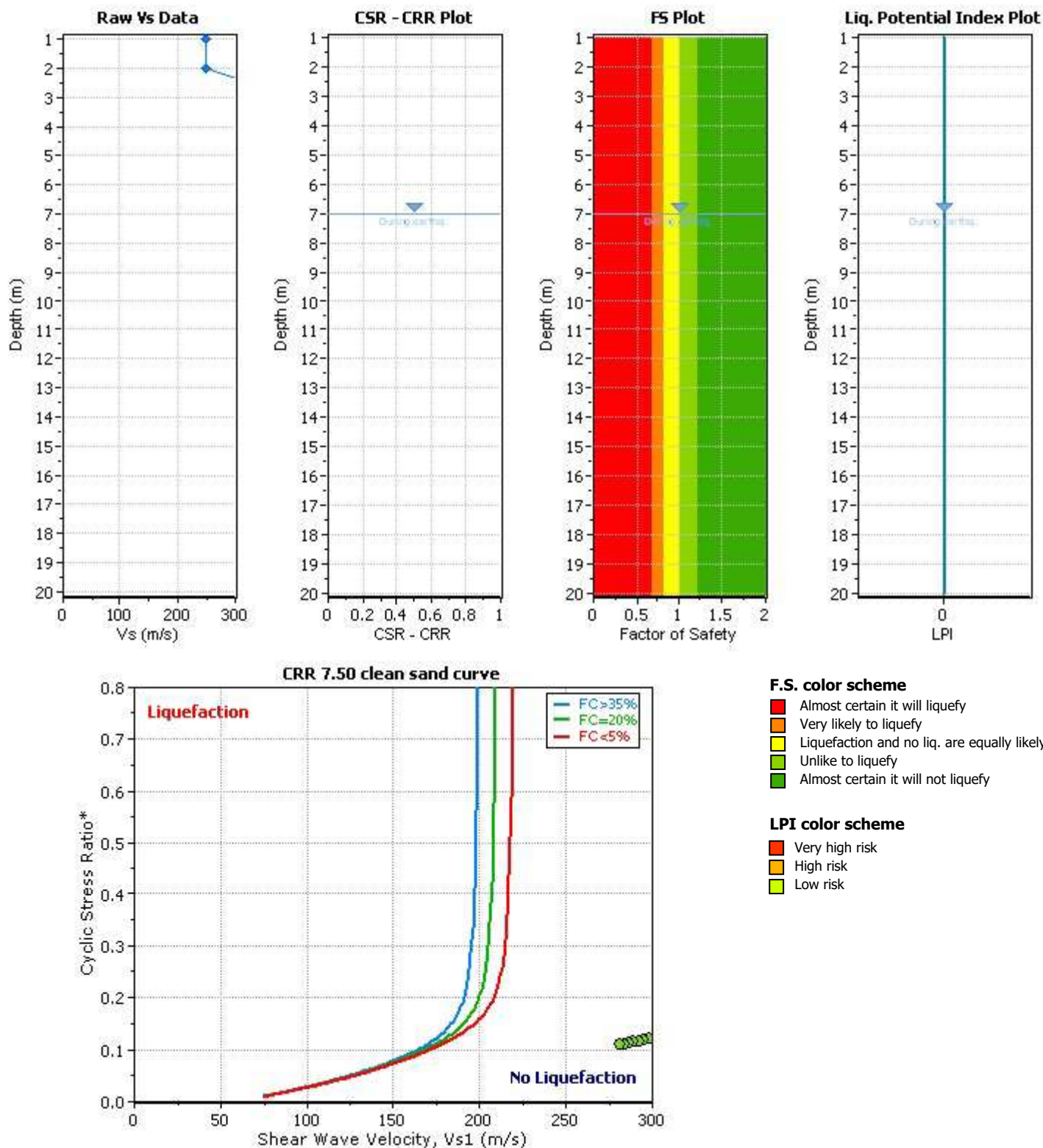
Project title :

V_s Name: L176

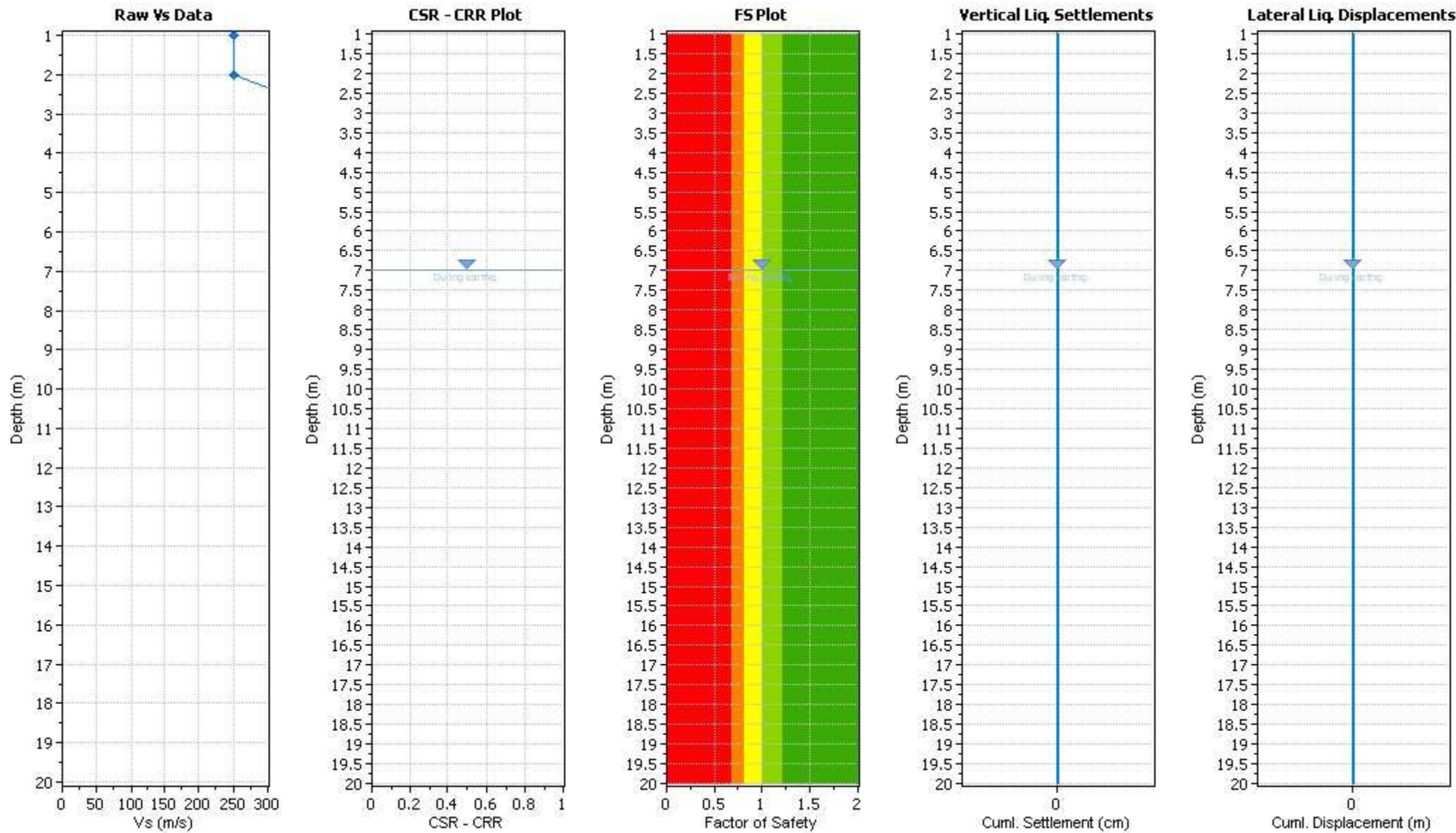
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 8.00 m
G.W.T. (earthq.): 7.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	250.00	5.00	19.00	1.00	Yes
2.00	250.00	5.00	19.00	2.00	Yes
3.00	400.00	5.00	20.00	3.00	Yes
4.00	400.00	5.00	20.00	4.00	Yes
5.00	400.00	5.00	20.00	5.00	Yes
6.00	400.00	5.00	20.00	6.00	Yes
7.00	400.00	5.00	20.00	7.00	Yes
8.00	480.00	5.00	20.00	8.00	Yes
9.00	480.00	5.00	20.00	9.00	Yes
10.00	480.00	5.00	20.00	10.00	Yes
11.00	360.00	5.00	19.00	11.00	Yes
12.00	360.00	5.00	19.00	12.00	Yes
13.00	360.00	5.00	19.00	13.00	Yes
14.00	360.00	5.00	19.00	14.00	Yes
15.00	360.00	5.00	19.00	15.00	Yes
16.00	360.00	5.00	19.00	16.00	Yes
17.00	360.00	5.00	19.00	17.00	Yes
18.00	360.00	5.00	19.00	18.00	Yes
19.00	360.00	5.00	19.00	19.00	Yes
20.00	360.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
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:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

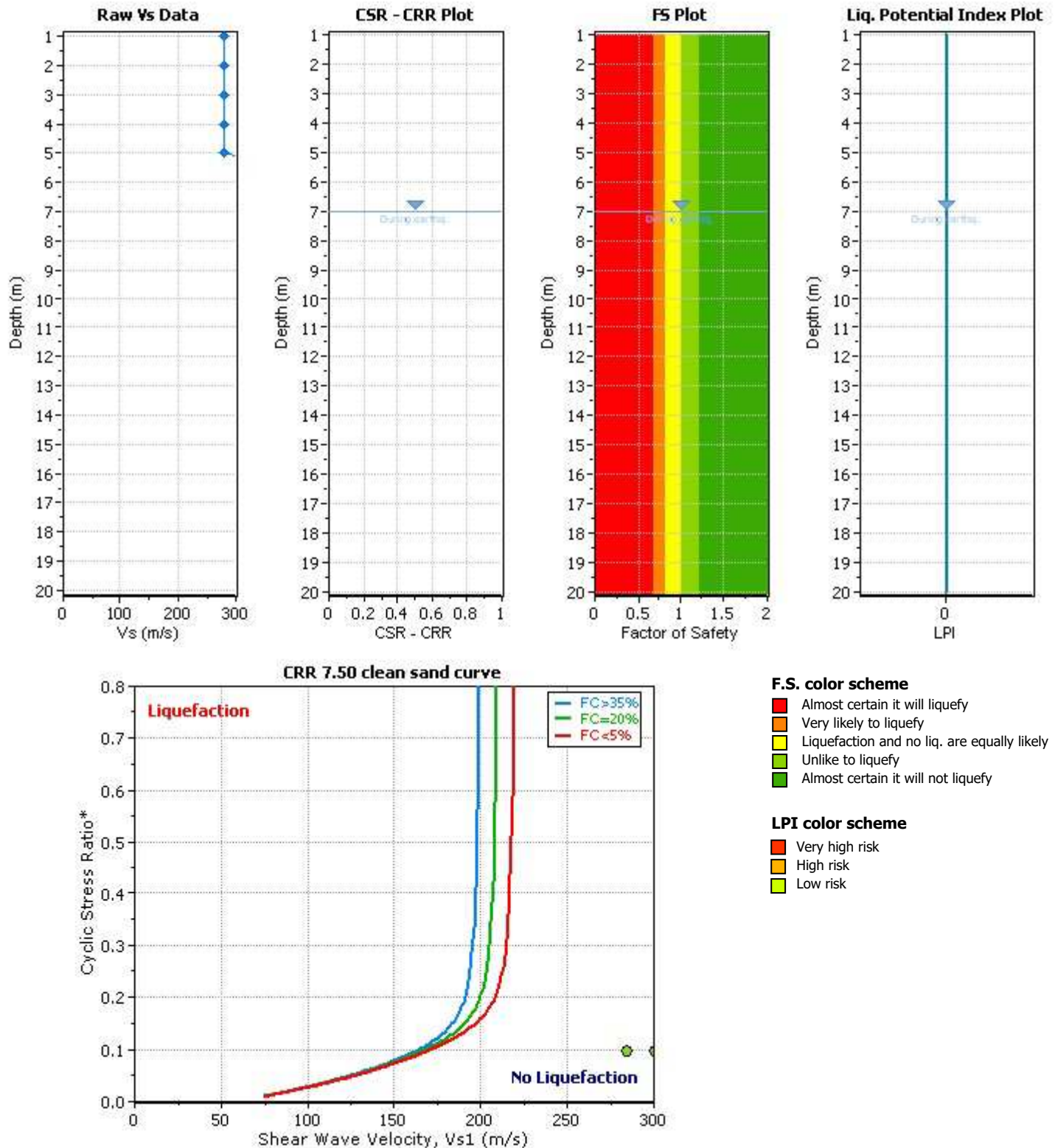
Project title :

V_s Name: L250

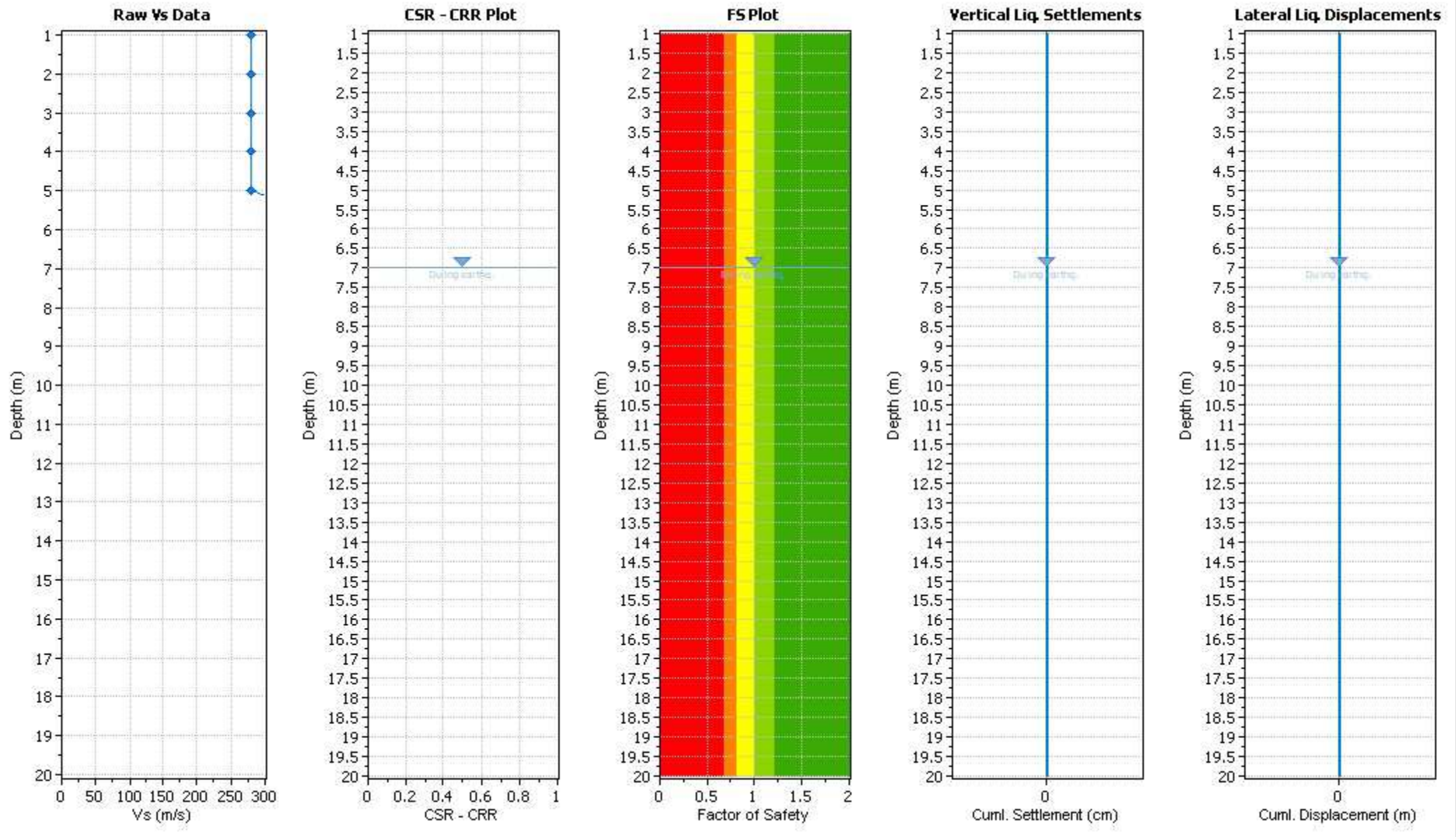
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 8.00 m
G.W.T. (earthq.): 7.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	280.00	5.00	19.00	1.00	Yes
2.00	280.00	5.00	19.00	2.00	Yes
3.00	280.00	5.00	19.00	3.00	Yes
4.00	280.00	5.00	19.00	4.00	Yes
5.00	280.00	5.00	19.00	5.00	Yes
6.00	430.00	5.00	20.00	6.00	Yes
7.00	430.00	5.00	20.00	7.00	Yes
8.00	430.00	5.00	20.00	8.00	Yes
9.00	430.00	5.00	20.00	9.00	Yes
10.00	430.00	5.00	20.00	10.00	Yes
11.00	430.00	5.00	20.00	11.00	Yes
12.00	430.00	5.00	20.00	12.00	Yes
13.00	430.00	5.00	20.00	13.00	Yes
14.00	430.00	5.00	20.00	14.00	Yes
15.00	430.00	5.00	20.00	15.00	Yes
16.00	430.00	5.00	20.00	16.00	Yes
17.00	430.00	5.00	20.00	17.00	Yes
18.00	430.00	5.00	20.00	18.00	Yes
19.00	430.00	5.00	20.00	19.00	Yes
20.00	430.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

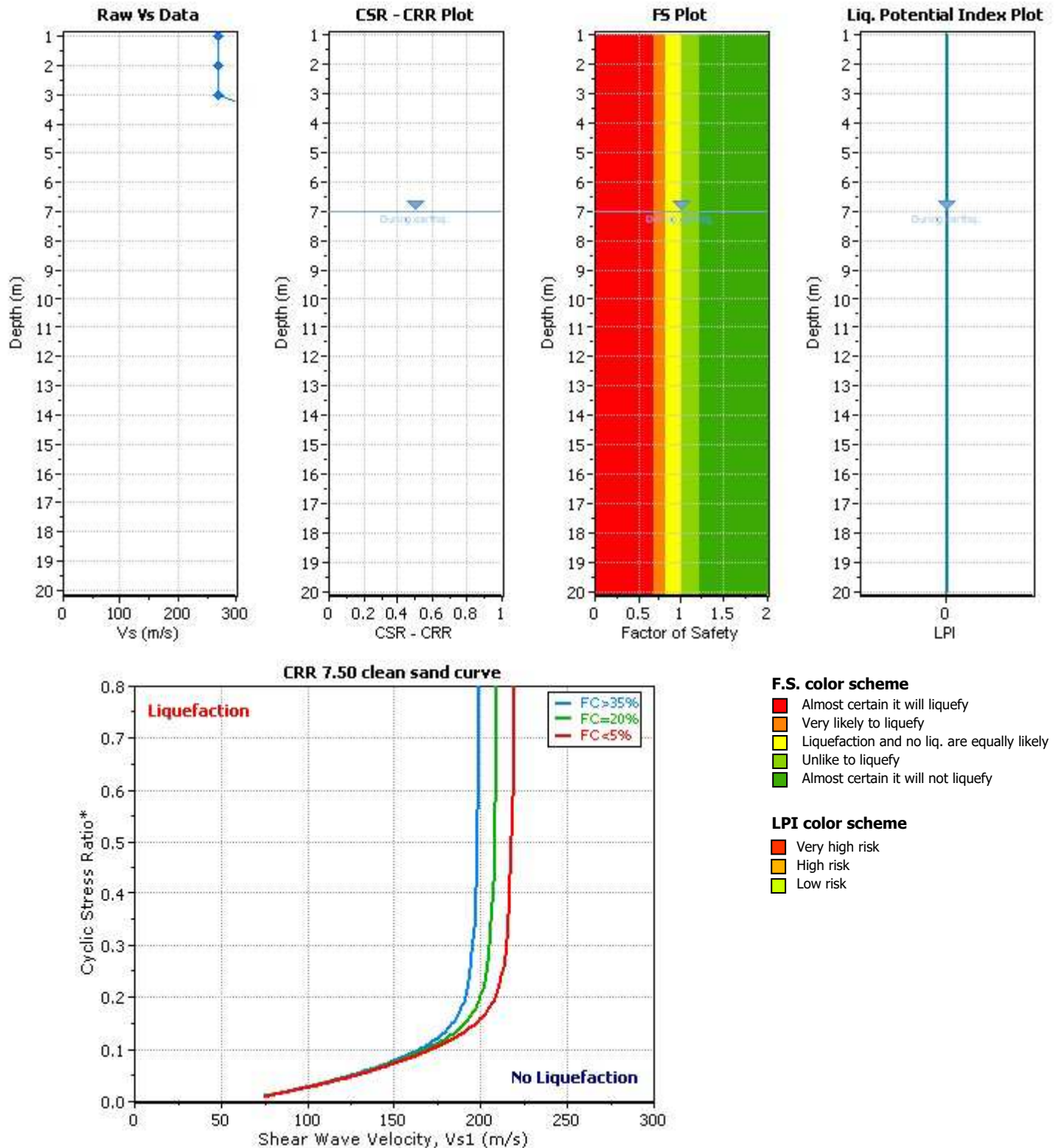
Project title :

V_s Name: L252

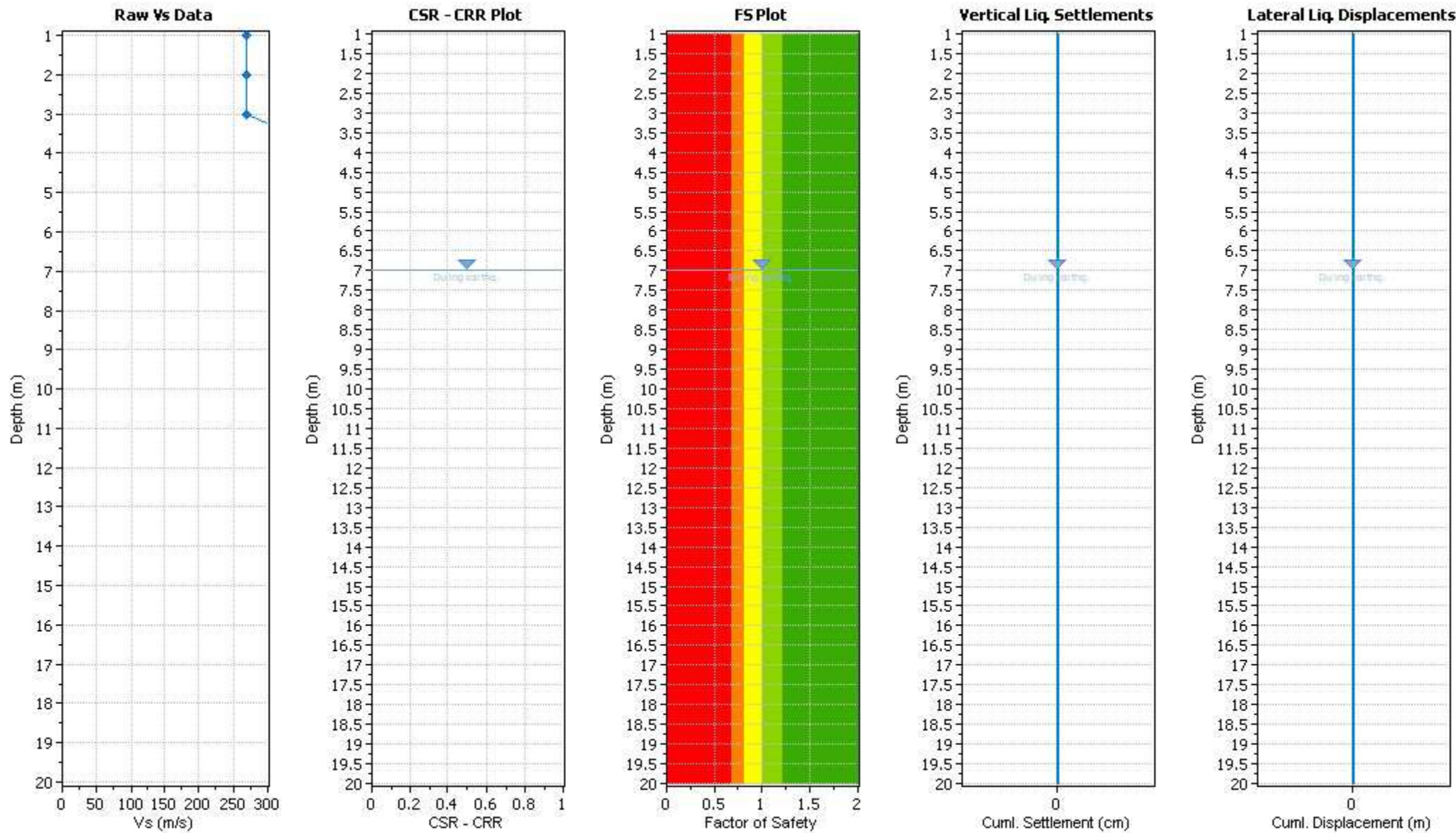
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 8.00 m
G.W.T. (earthq.): 7.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	270.00	5.00	19.00	1.00	Yes
2.00	270.00	5.00	19.00	2.00	Yes
3.00	270.00	5.00	19.00	3.00	Yes
4.00	400.00	5.00	20.00	4.00	Yes
5.00	400.00	5.00	20.00	5.00	Yes
6.00	400.00	5.00	20.00	6.00	Yes
7.00	400.00	5.00	20.00	7.00	Yes
8.00	500.00	5.00	20.00	8.00	Yes
9.00	500.00	5.00	20.00	9.00	Yes
10.00	500.00	5.00	20.00	10.00	Yes
11.00	500.00	5.00	20.00	11.00	Yes
12.00	500.00	5.00	20.00	12.00	Yes
13.00	500.00	5.00	20.00	13.00	Yes
14.00	500.00	5.00	20.00	14.00	Yes
15.00	500.00	5.00	20.00	15.00	Yes
16.00	500.00	5.00	20.00	16.00	Yes
17.00	500.00	5.00	20.00	17.00	Yes
18.00	500.00	5.00	20.00	18.00	Yes
19.00	500.00	5.00	20.00	19.00	Yes
20.00	500.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

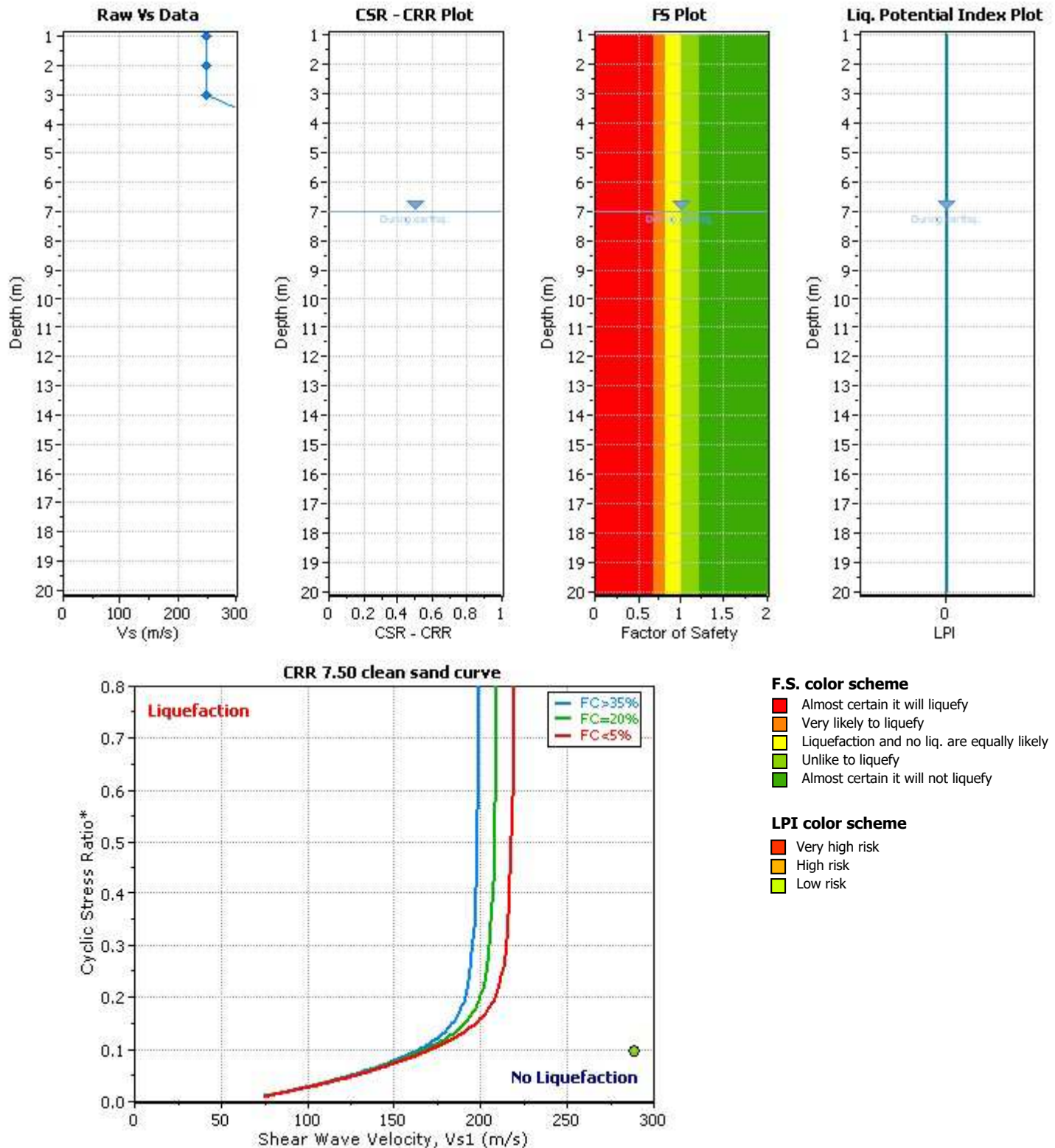
Project title :

V_s Name: L264

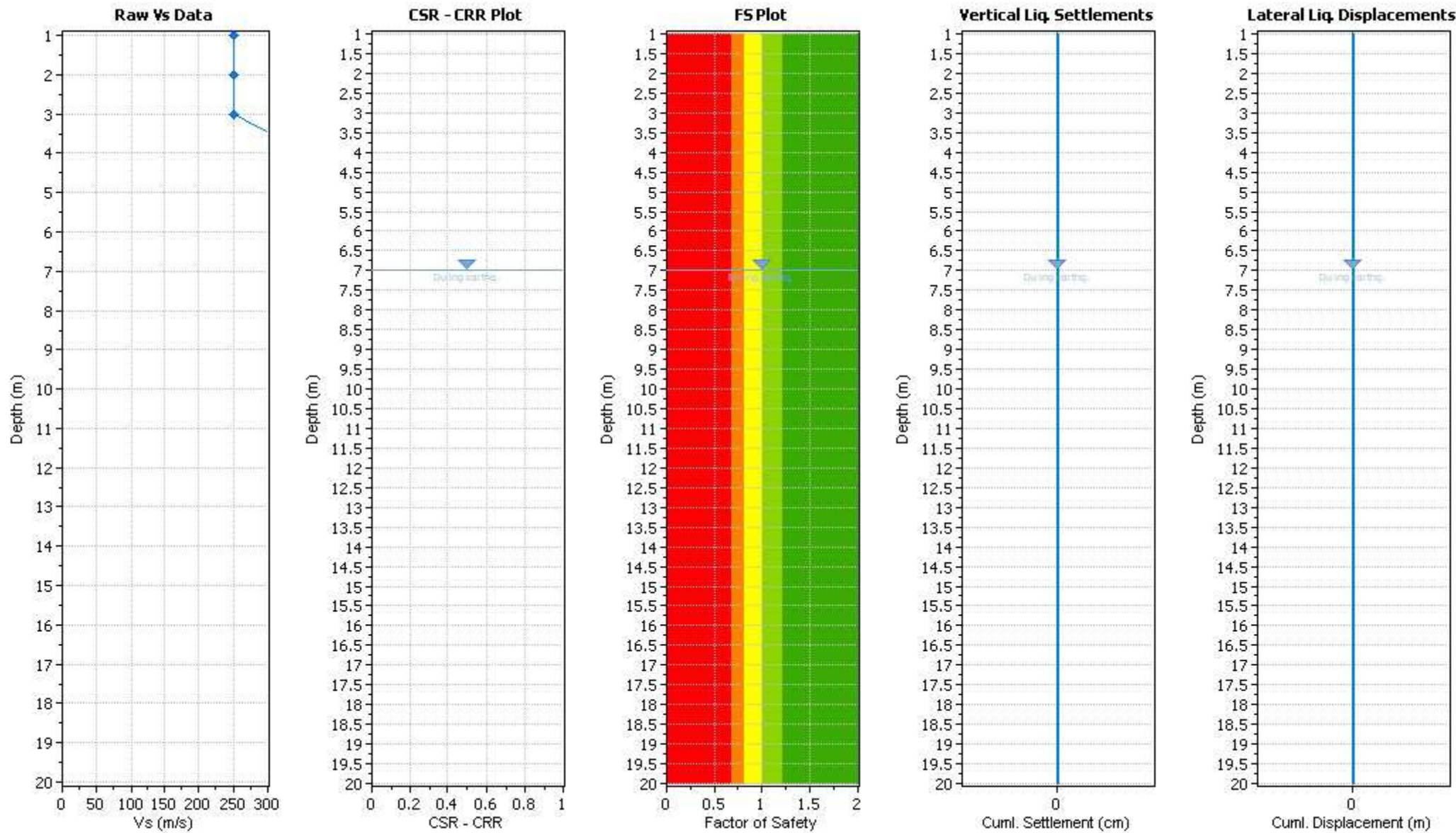
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 8.00 m
G.W.T. (earthq.): 7.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	250.00	5.00	19.00	1.00	Yes
2.00	250.00	5.00	19.00	2.00	Yes
3.00	250.00	5.00	19.00	3.00	Yes
4.00	360.00	5.00	19.00	4.00	Yes
5.00	360.00	5.00	19.00	5.00	Yes
6.00	360.00	5.00	19.00	6.00	Yes
7.00	360.00	5.00	19.00	7.00	Yes
8.00	360.00	5.00	19.00	8.00	Yes
9.00	360.00	5.00	19.00	9.00	Yes
10.00	360.00	5.00	19.00	10.00	Yes
11.00	360.00	5.00	19.00	11.00	Yes
12.00	360.00	5.00	19.00	12.00	Yes
13.00	360.00	5.00	19.00	13.00	Yes
14.00	410.00	5.00	20.00	14.00	Yes
15.00	410.00	5.00	20.00	15.00	Yes
16.00	410.00	5.00	20.00	16.00	Yes
17.00	410.00	5.00	20.00	17.00	Yes
18.00	410.00	5.00	20.00	18.00	Yes
19.00	410.00	5.00	20.00	19.00	Yes
20.00	410.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
 Vs Field Value: Measured shear waves velocity (m/s)
 Fines Content: Fines content at test depth (%)
 Unit Weight: Unit weight at test depth (kN/m³)
 Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
 Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

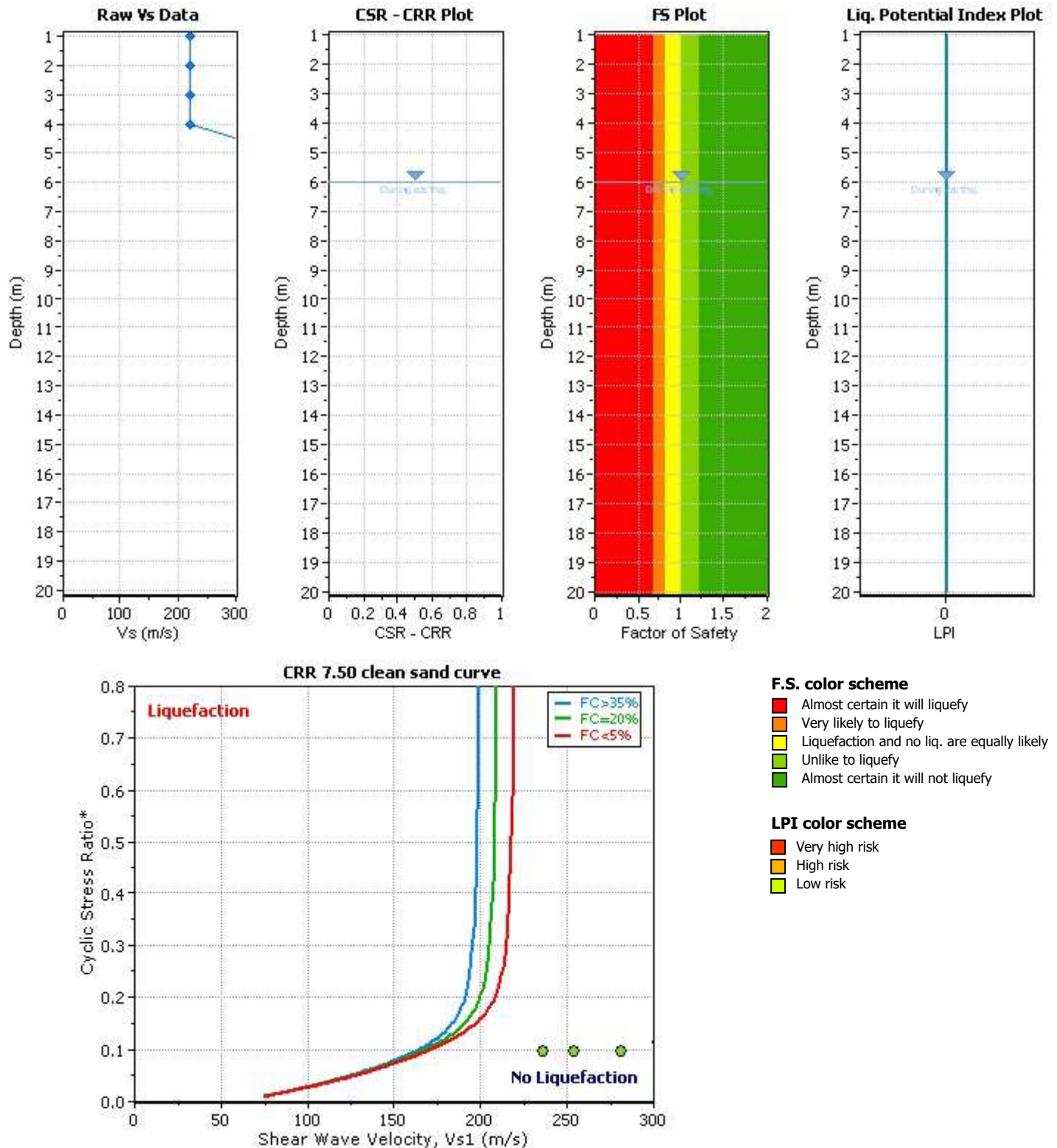
Project title :

V_s Name: L172

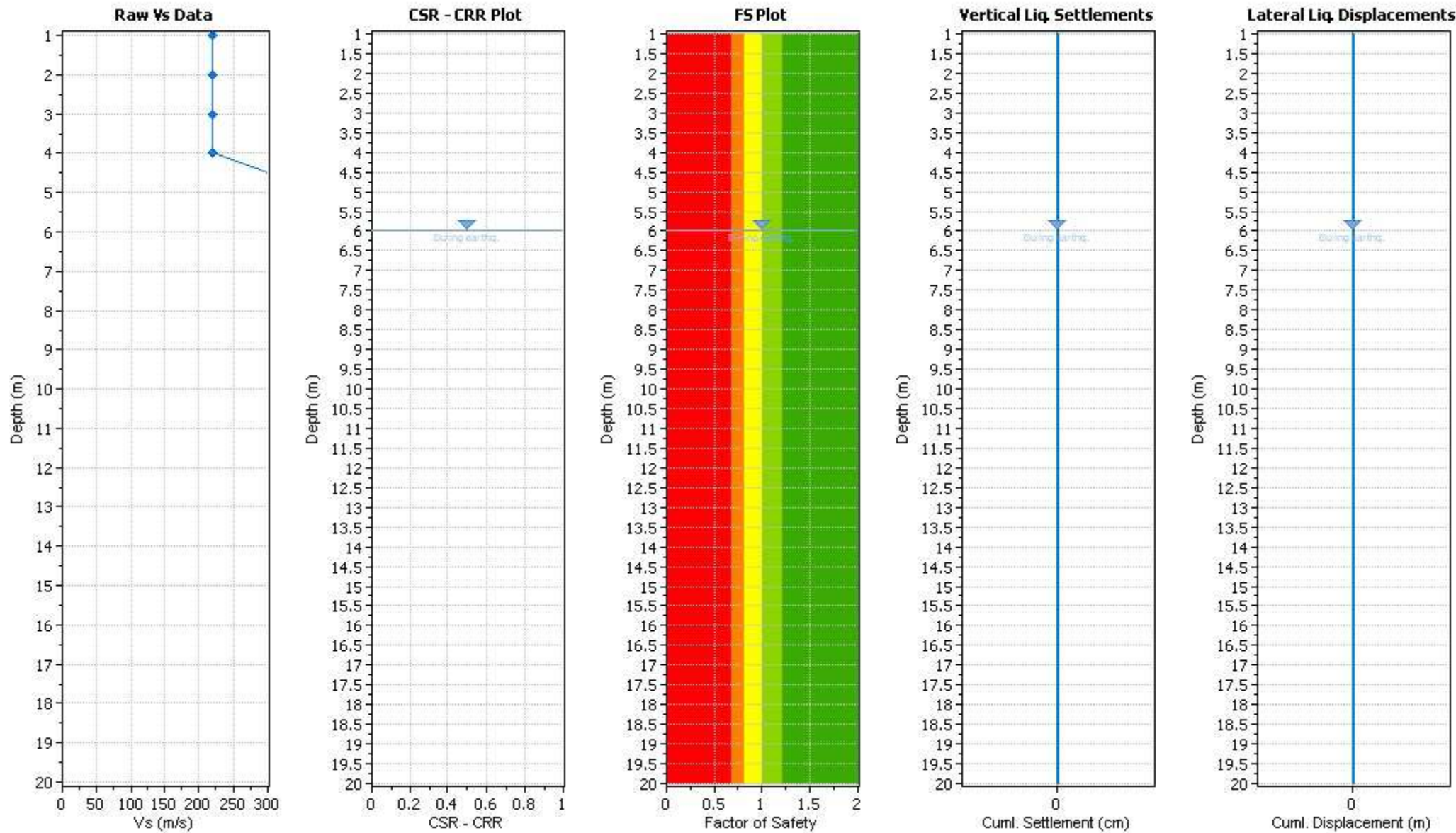
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	220.00	5.00	19.00	1.00	Yes
2.00	220.00	5.00	19.00	2.00	Yes
3.00	220.00	5.00	19.00	3.00	Yes
4.00	220.00	5.00	19.00	4.00	Yes
5.00	380.00	5.00	19.00	5.00	Yes
6.00	380.00	5.00	19.00	6.00	Yes
7.00	380.00	5.00	19.00	7.00	Yes
8.00	380.00	5.00	19.00	8.00	Yes
9.00	380.00	5.00	19.00	9.00	Yes
10.00	380.00	5.00	19.00	10.00	Yes
11.00	380.00	5.00	19.00	11.00	Yes
12.00	380.00	5.00	19.00	12.00	Yes
13.00	380.00	5.00	19.00	13.00	Yes
14.00	380.00	5.00	19.00	14.00	Yes
15.00	380.00	5.00	19.00	15.00	Yes
16.00	380.00	5.00	19.00	16.00	Yes
17.00	380.00	5.00	19.00	17.00	Yes
18.00	380.00	5.00	19.00	18.00	Yes
19.00	380.00	5.00	19.00	19.00	Yes
20.00	380.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

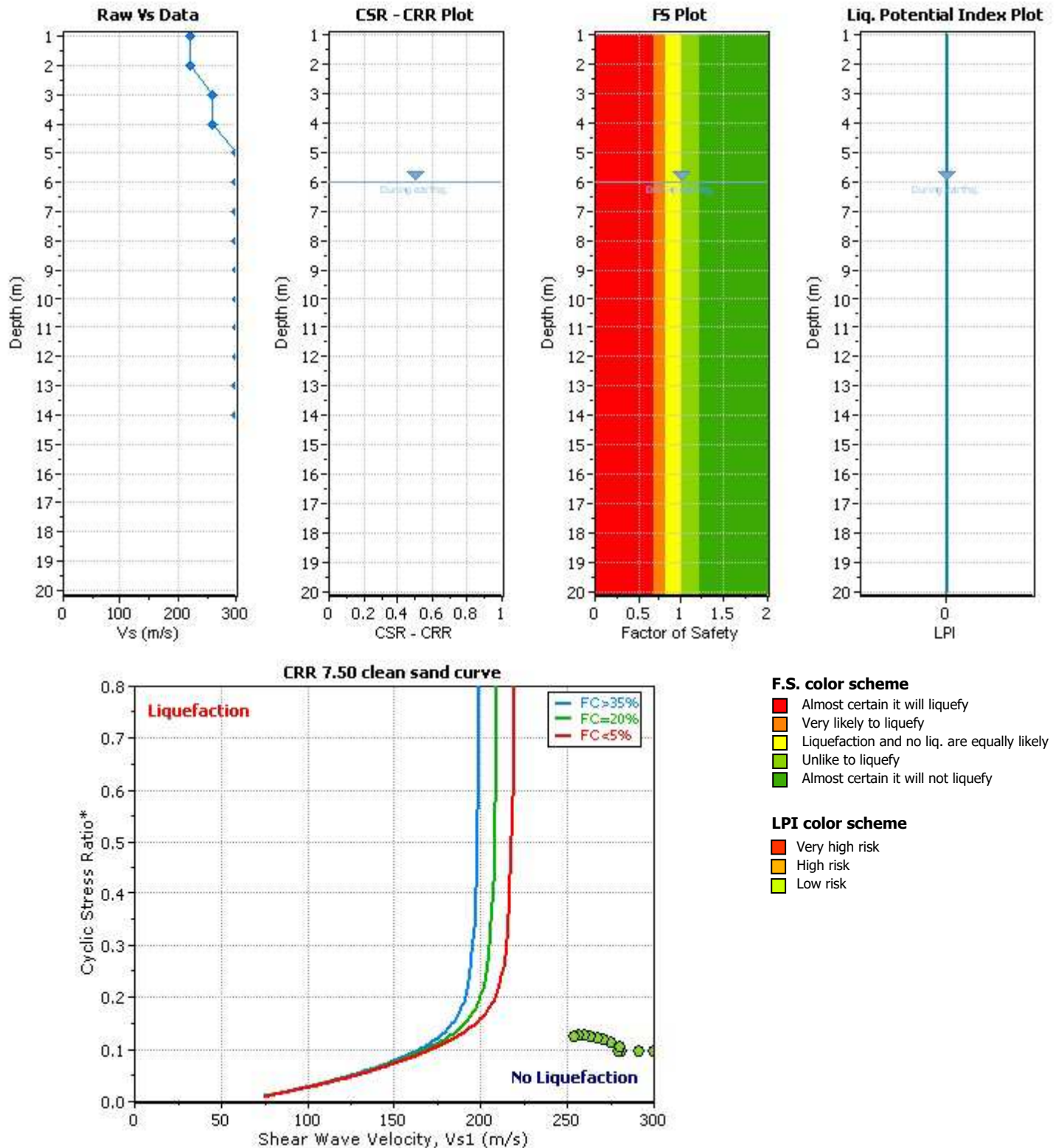
Project title :

V_s Name: L177

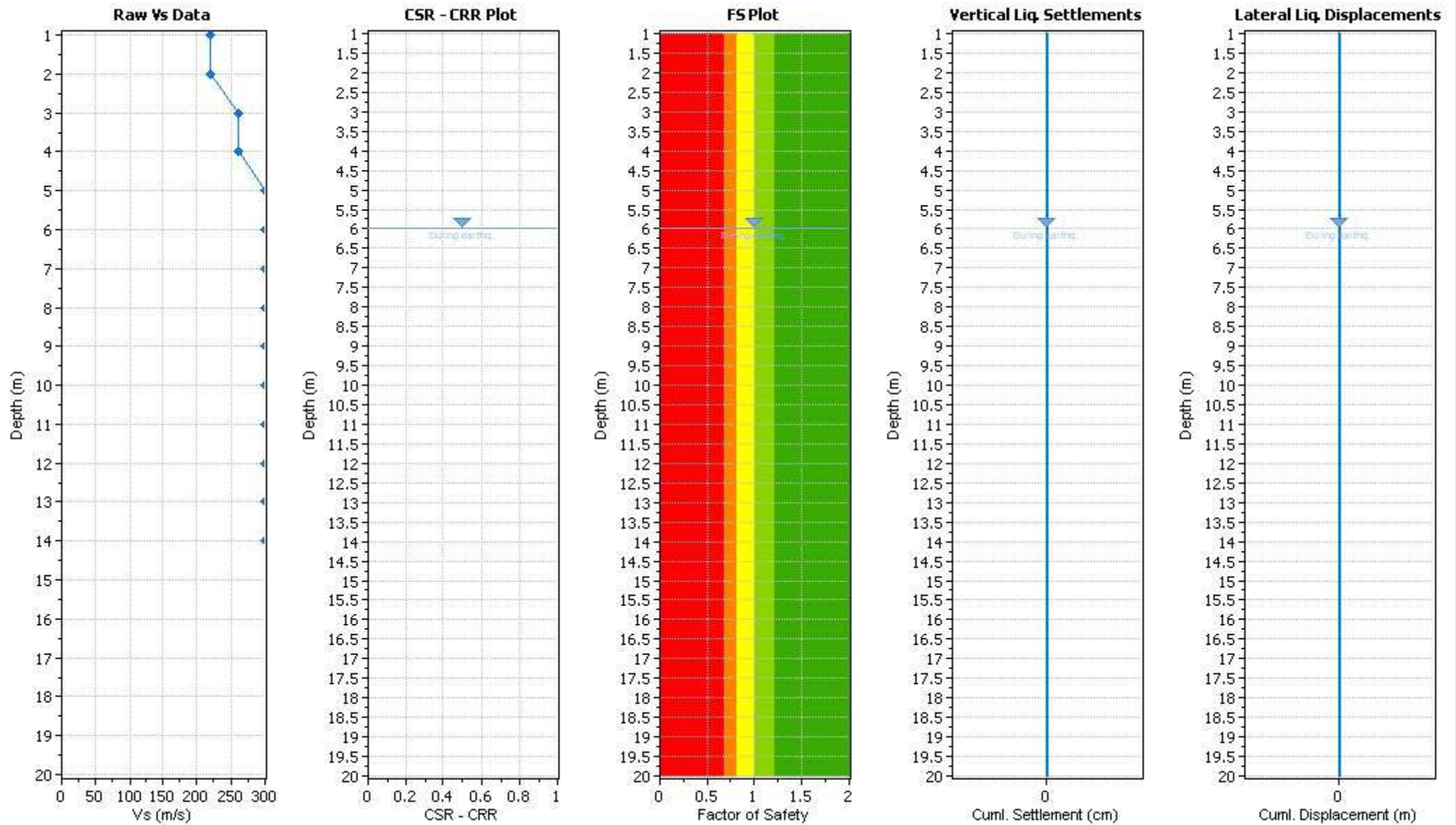
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	220.00	5.00	19.00	1.00	Yes
2.00	220.00	5.00	19.00	2.00	Yes
3.00	260.00	5.00	19.00	3.00	Yes
4.00	260.00	5.00	19.00	4.00	Yes
5.00	300.00	5.00	19.00	5.00	Yes
6.00	300.00	5.00	19.00	6.00	Yes
7.00	300.00	5.00	19.00	7.00	Yes
8.00	300.00	5.00	19.00	8.00	Yes
9.00	300.00	5.00	19.00	9.00	Yes
10.00	300.00	5.00	19.00	10.00	Yes
11.00	300.00	5.00	19.00	11.00	Yes
12.00	300.00	5.00	19.00	12.00	Yes
13.00	300.00	5.00	19.00	13.00	Yes
14.00	300.00	5.00	19.00	14.00	Yes
15.00	500.00	5.00	20.00	15.00	Yes
16.00	500.00	5.00	20.00	16.00	Yes
17.00	500.00	5.00	20.00	17.00	Yes
18.00	500.00	5.00	20.00	18.00	Yes
19.00	500.00	5.00	20.00	19.00	Yes
20.00	500.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

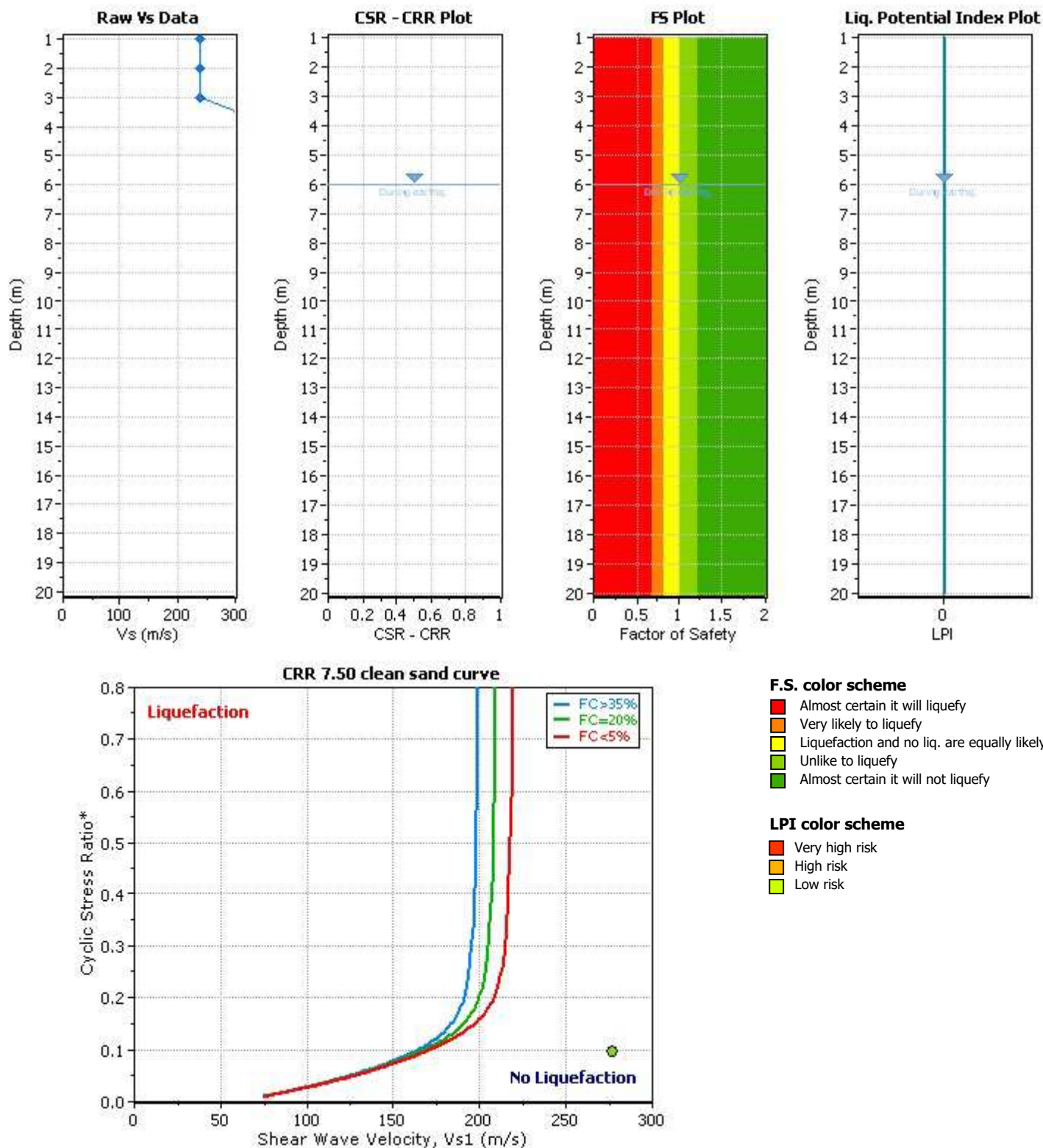
Project title :

V_s Name: L179

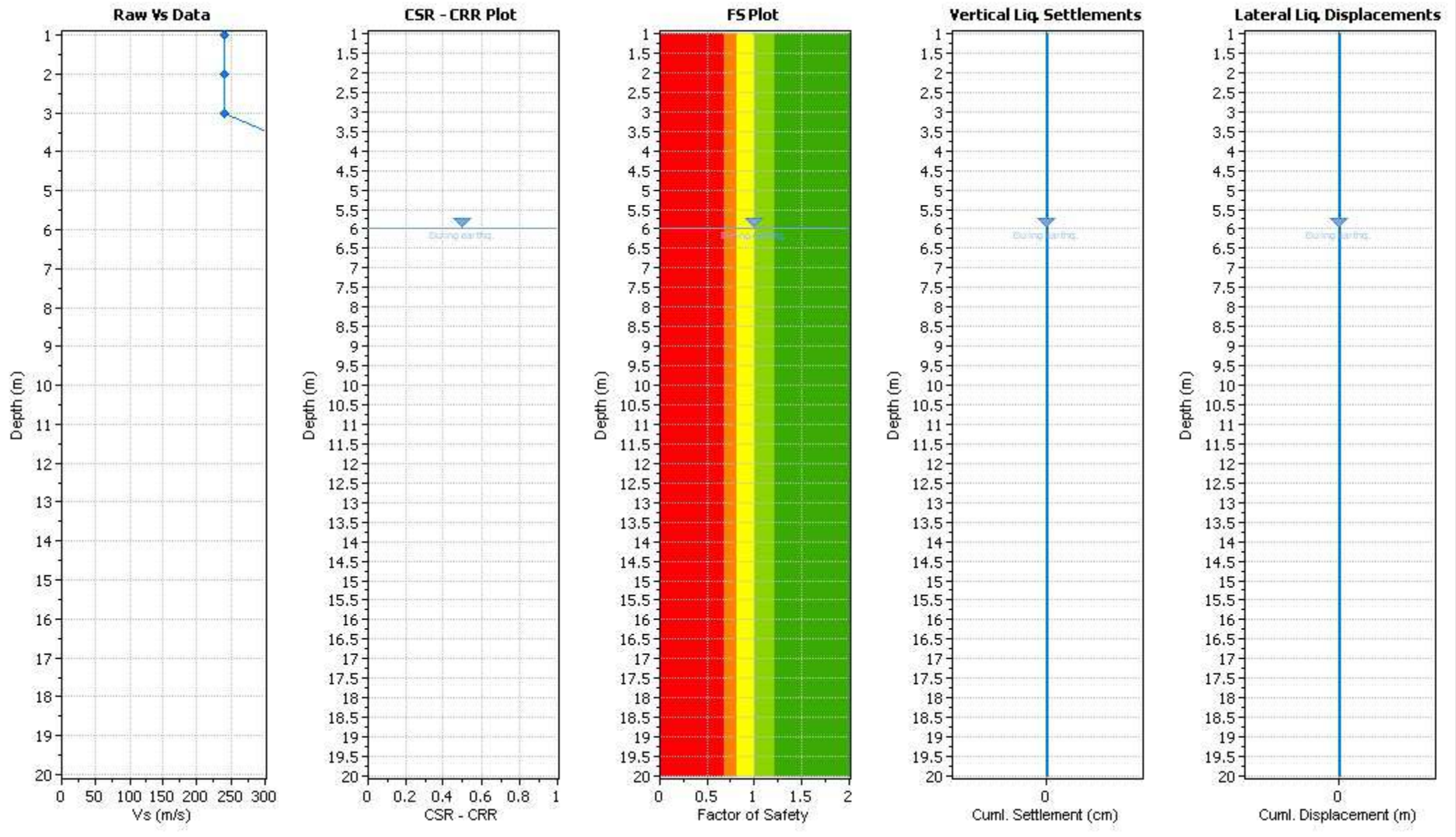
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	240.00	5.00	19.00	1.00	Yes
2.00	240.00	5.00	19.00	2.00	Yes
3.00	240.00	5.00	19.00	3.00	Yes
4.00	370.00	5.00	19.00	4.00	Yes
5.00	370.00	5.00	19.00	5.00	Yes
6.00	370.00	5.00	19.00	6.00	Yes
7.00	370.00	5.00	19.00	7.00	Yes
8.00	370.00	5.00	19.00	8.00	Yes
9.00	370.00	5.00	19.00	9.00	Yes
10.00	370.00	5.00	19.00	10.00	Yes
11.00	370.00	5.00	19.00	11.00	Yes
12.00	370.00	5.00	19.00	12.00	Yes
13.00	370.00	5.00	19.00	13.00	Yes
14.00	550.00	5.00	20.00	14.00	Yes
15.00	550.00	5.00	20.00	15.00	Yes
16.00	550.00	5.00	20.00	16.00	Yes
17.00	550.00	5.00	20.00	17.00	Yes
18.00	550.00	5.00	20.00	18.00	Yes
19.00	550.00	5.00	20.00	19.00	Yes
20.00	550.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

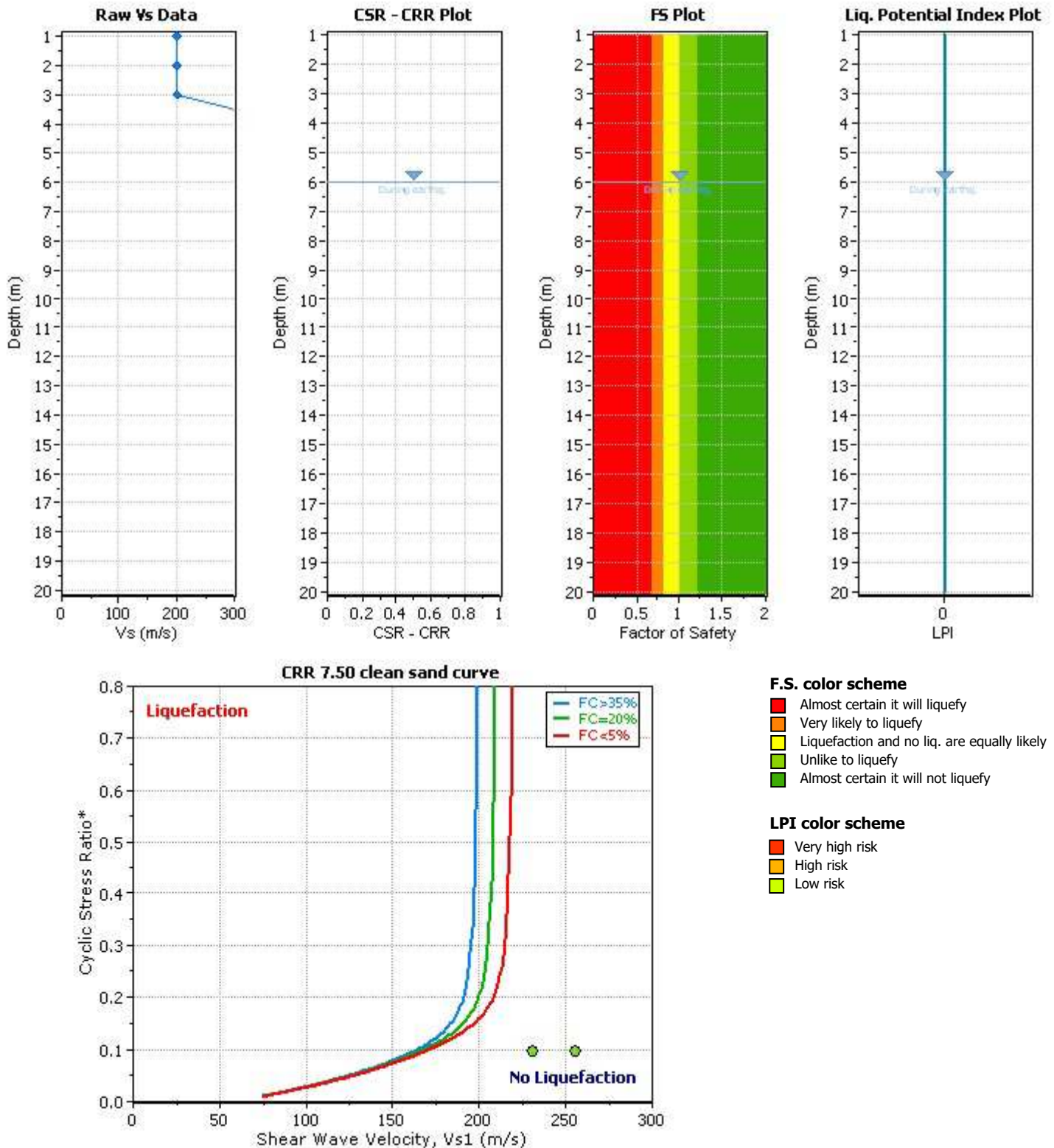
Project title :

V_s Name: L181

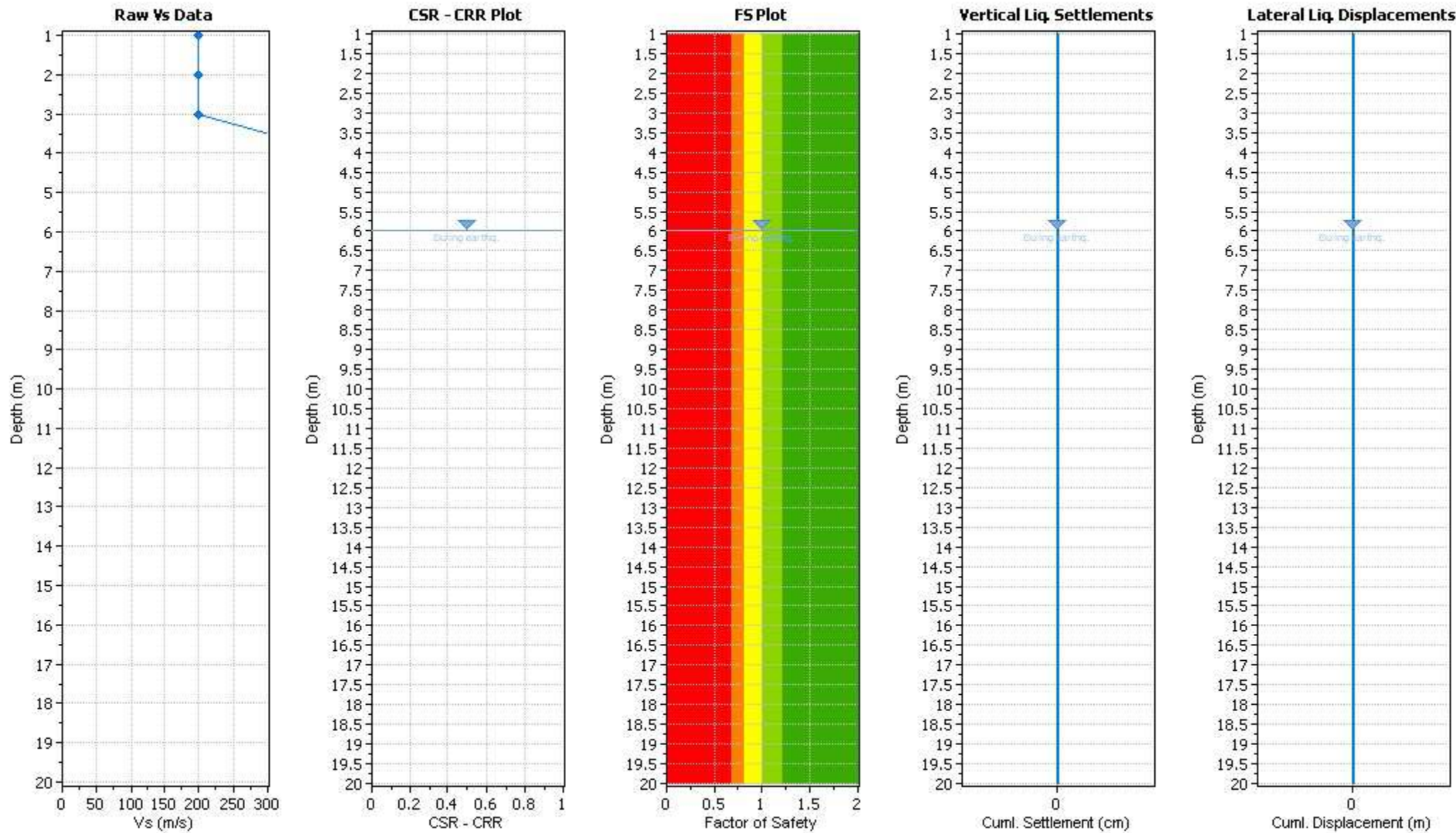
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	200.00	5.00	19.00	1.00	Yes
2.00	200.00	5.00	19.00	2.00	Yes
3.00	200.00	5.00	19.00	3.00	Yes
4.00	400.00	5.00	20.00	4.00	Yes
5.00	400.00	5.00	20.00	5.00	Yes
6.00	400.00	5.00	20.00	6.00	Yes
7.00	400.00	5.00	20.00	7.00	Yes
8.00	400.00	5.00	20.00	8.00	Yes
9.00	400.00	5.00	20.00	9.00	Yes
10.00	400.00	5.00	20.00	10.00	Yes
11.00	400.00	5.00	20.00	11.00	Yes
12.00	400.00	5.00	20.00	12.00	Yes
13.00	400.00	5.00	20.00	13.00	Yes
14.00	400.00	5.00	20.00	14.00	Yes
15.00	400.00	5.00	20.00	15.00	Yes
16.00	400.00	5.00	20.00	16.00	Yes
17.00	400.00	5.00	20.00	17.00	Yes
18.00	400.00	5.00	20.00	18.00	Yes
19.00	400.00	5.00	20.00	19.00	Yes
20.00	400.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

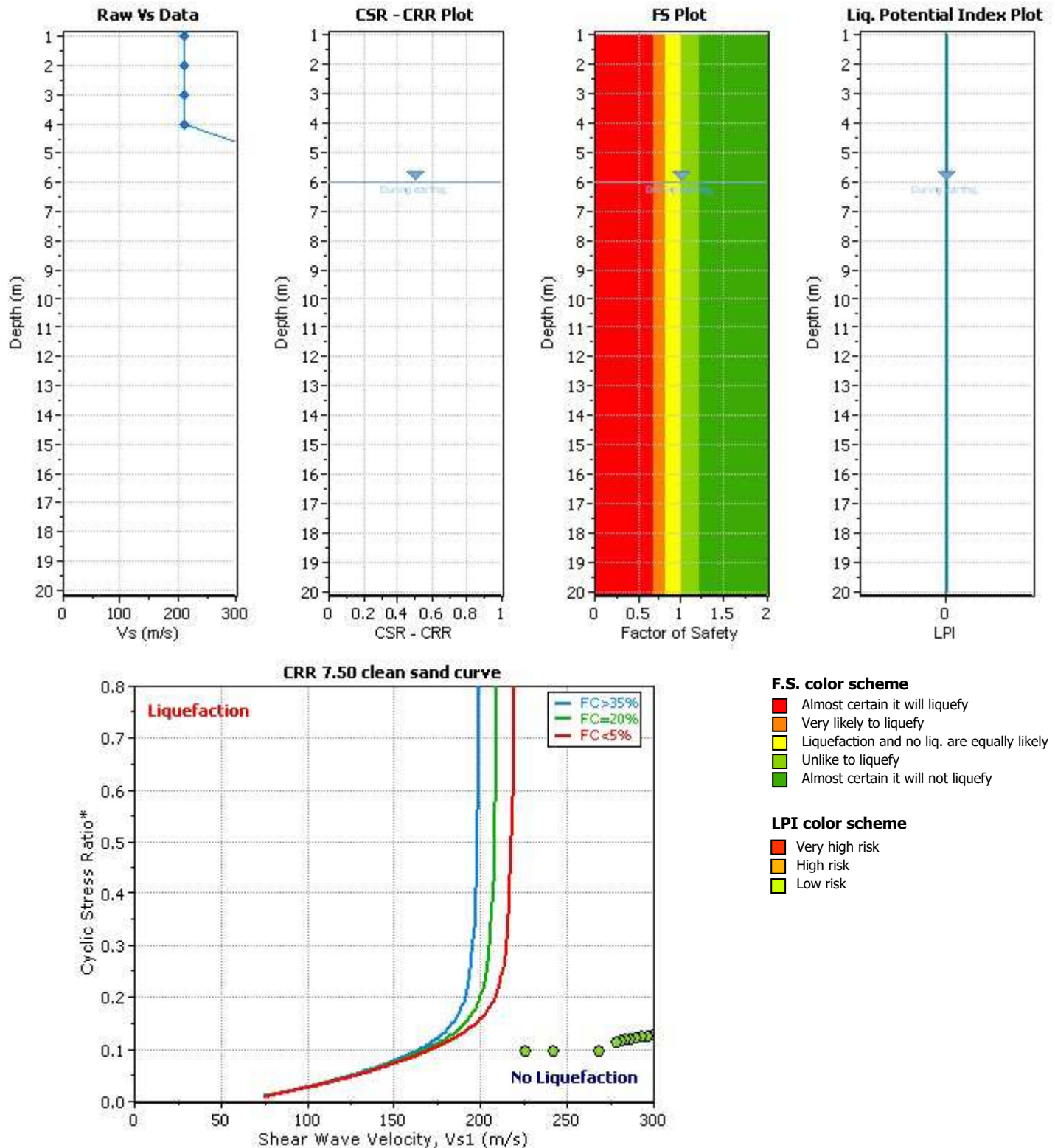
Project title :

V_s Name: L184

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w: 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



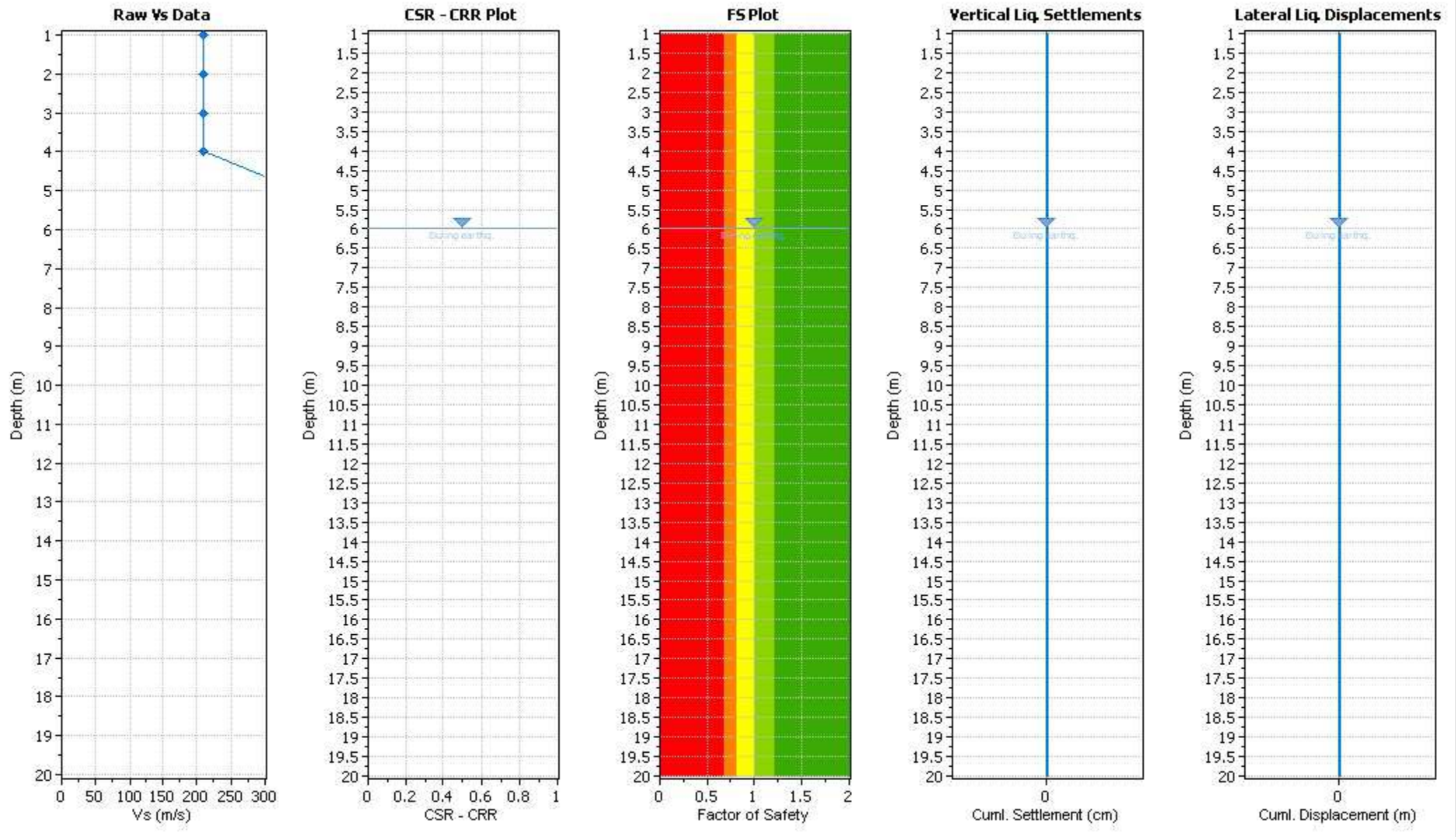
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	210.00	5.00	19.00	1.00	Yes
2.00	210.00	5.00	19.00	2.00	Yes
3.00	210.00	5.00	19.00	3.00	Yes
4.00	210.00	5.00	19.00	4.00	Yes
5.00	350.00	5.00	19.00	5.00	Yes
6.00	350.00	5.00	19.00	6.00	Yes
7.00	350.00	5.00	19.00	7.00	Yes
8.00	350.00	5.00	19.00	8.00	Yes
9.00	350.00	5.00	19.00	9.00	Yes
10.00	350.00	5.00	19.00	10.00	Yes
11.00	350.00	5.00	19.00	11.00	Yes
12.00	350.00	5.00	19.00	12.00	Yes
13.00	350.00	5.00	19.00	13.00	Yes
14.00	350.00	5.00	19.00	14.00	Yes
15.00	350.00	5.00	19.00	15.00	Yes
16.00	350.00	5.00	19.00	16.00	Yes
17.00	350.00	5.00	19.00	17.00	Yes
18.00	350.00	5.00	19.00	18.00	Yes
19.00	350.00	5.00	19.00	19.00	Yes
20.00	350.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

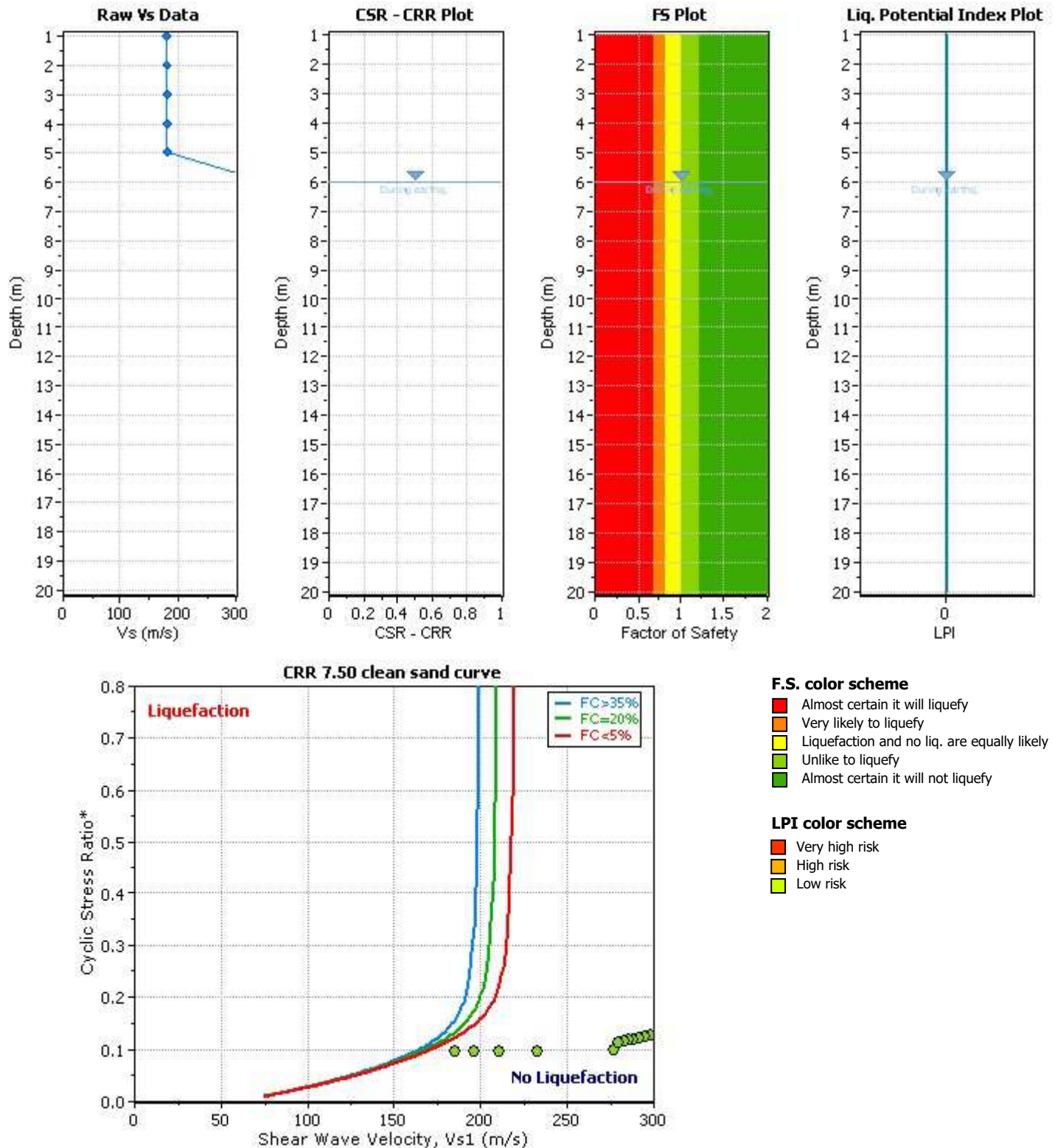
Project title :

V_s Name: L199

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



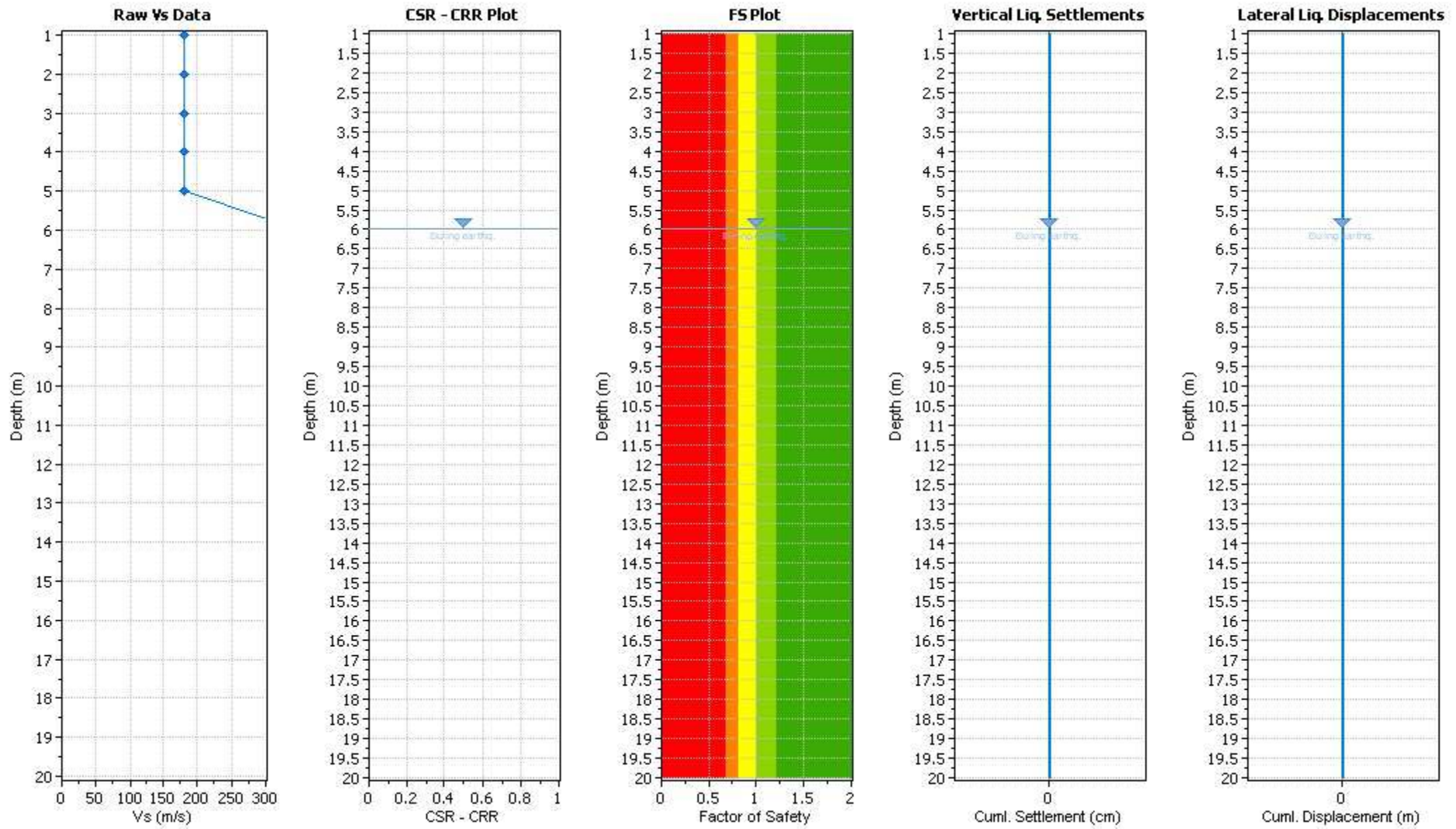
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	180.00	5.00	18.00	1.00	Yes
2.00	180.00	5.00	18.00	2.00	Yes
3.00	180.00	5.00	18.00	3.00	Yes
4.00	180.00	5.00	18.00	4.00	Yes
5.00	180.00	5.00	18.00	5.00	Yes
6.00	350.00	5.00	19.00	6.00	Yes
7.00	350.00	5.00	19.00	7.00	Yes
8.00	350.00	5.00	19.00	8.00	Yes
9.00	350.00	5.00	19.00	9.00	Yes
10.00	350.00	5.00	19.00	10.00	Yes
11.00	350.00	5.00	19.00	11.00	Yes
12.00	350.00	5.00	19.00	12.00	Yes
13.00	350.00	5.00	19.00	13.00	Yes
14.00	350.00	5.00	19.00	14.00	Yes
15.00	350.00	5.00	19.00	15.00	Yes
16.00	350.00	5.00	19.00	16.00	Yes
17.00	350.00	5.00	19.00	17.00	Yes
18.00	350.00	5.00	19.00	18.00	Yes
19.00	350.00	5.00	19.00	19.00	Yes
20.00	350.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
 Vs Field Value: Measured shear waves velocity (m/s)
 Fines Content: Fines content at test depth (%)
 Unit Weight: Unit weight at test depth (kN/m³)
 Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
 Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

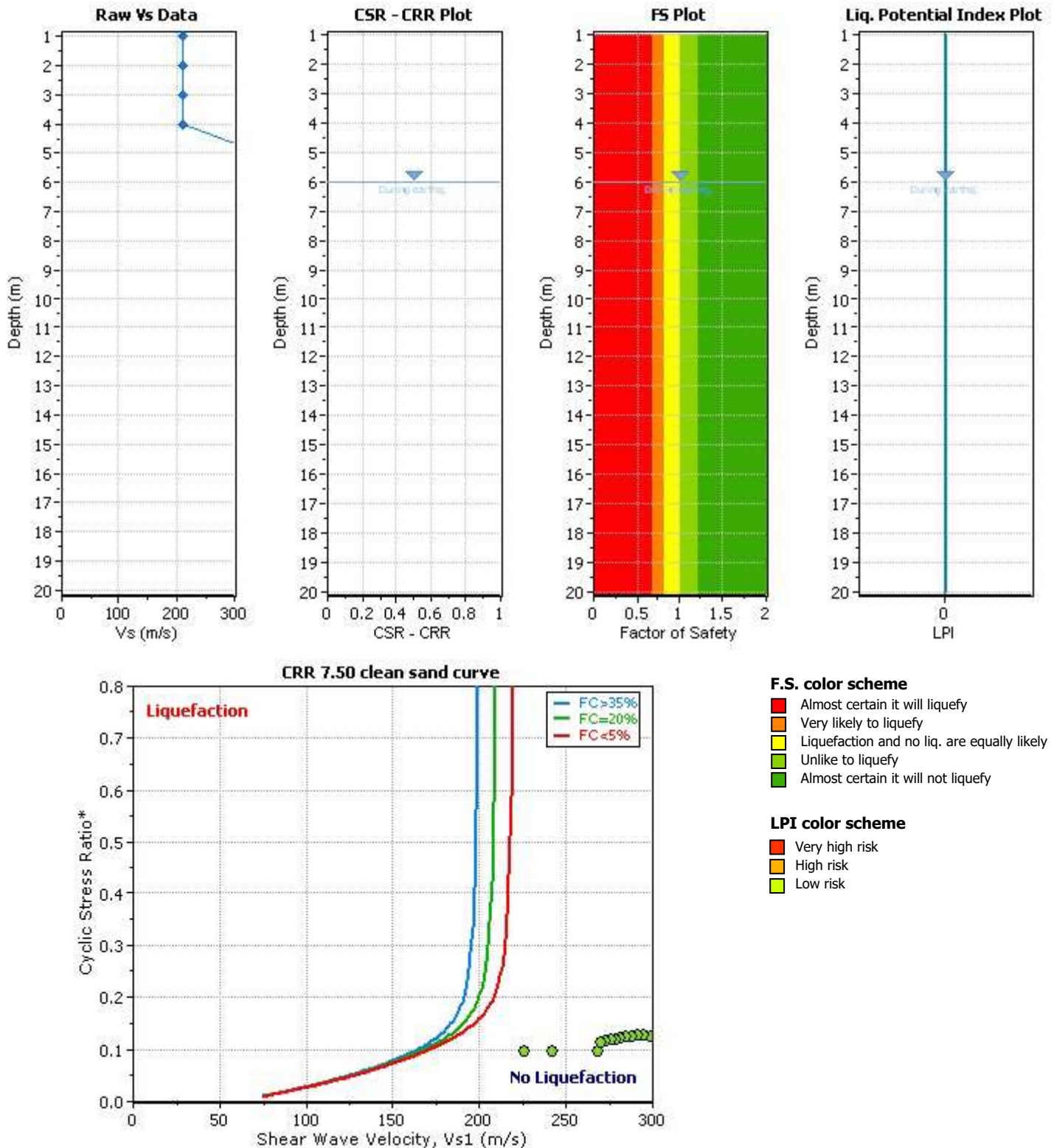
Project title :

V_s Name: L219

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



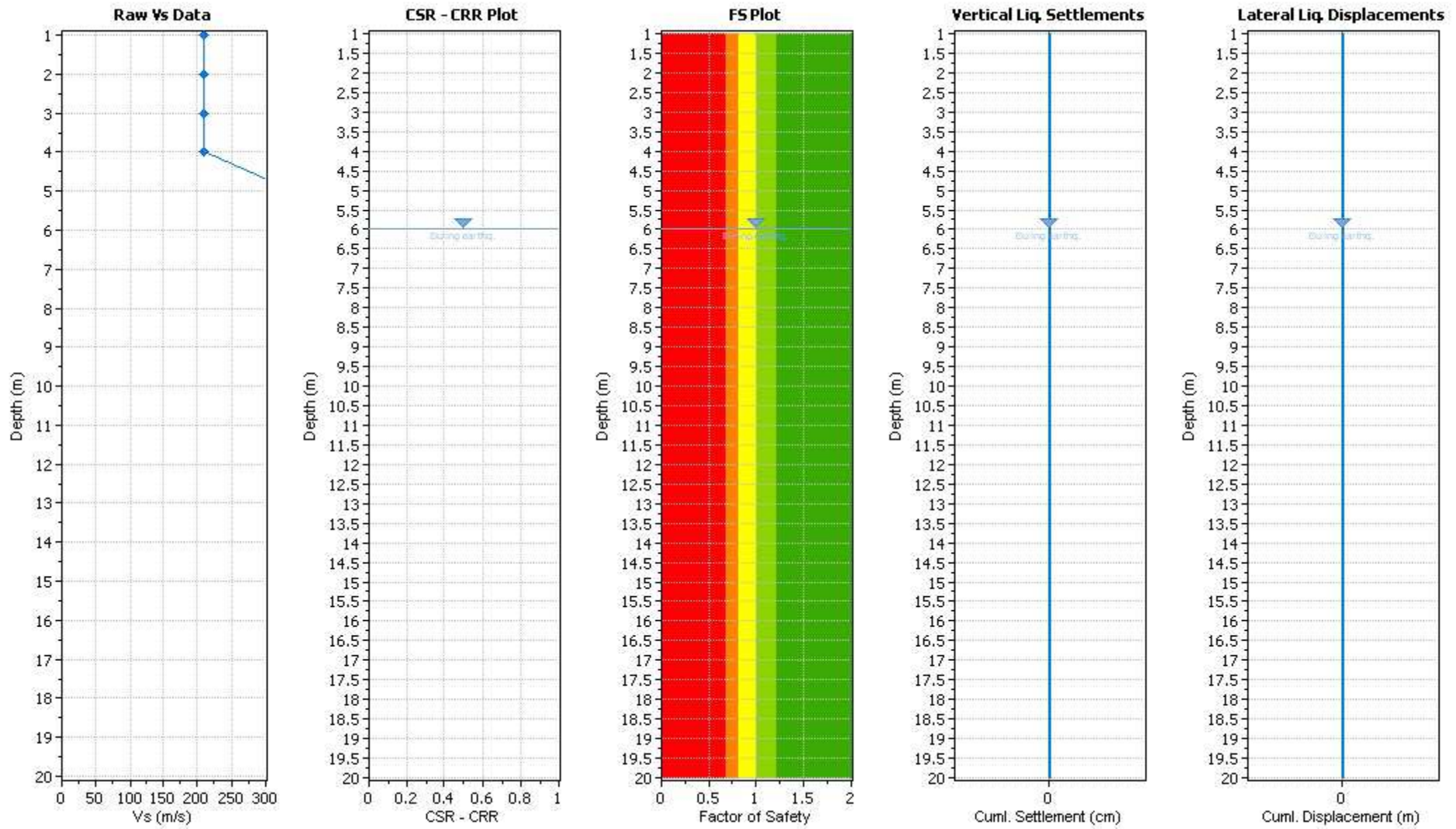
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	210.00	5.00	19.00	1.00	Yes
2.00	210.00	5.00	19.00	2.00	Yes
3.00	210.00	5.00	19.00	3.00	Yes
4.00	210.00	5.00	19.00	4.00	Yes
5.00	340.00	5.00	19.00	5.00	Yes
6.00	340.00	5.00	19.00	6.00	Yes
7.00	340.00	5.00	19.00	7.00	Yes
8.00	340.00	5.00	19.00	8.00	Yes
9.00	340.00	5.00	19.00	9.00	Yes
10.00	340.00	5.00	19.00	10.00	Yes
11.00	340.00	5.00	19.00	11.00	Yes
12.00	340.00	5.00	19.00	12.00	Yes
13.00	340.00	5.00	19.00	13.00	Yes
14.00	340.00	5.00	19.00	14.00	Yes
15.00	340.00	5.00	19.00	15.00	Yes
16.00	340.00	5.00	19.00	16.00	Yes
17.00	340.00	5.00	19.00	17.00	Yes
18.00	340.00	5.00	19.00	18.00	Yes
19.00	340.00	5.00	19.00	19.00	Yes
20.00	340.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

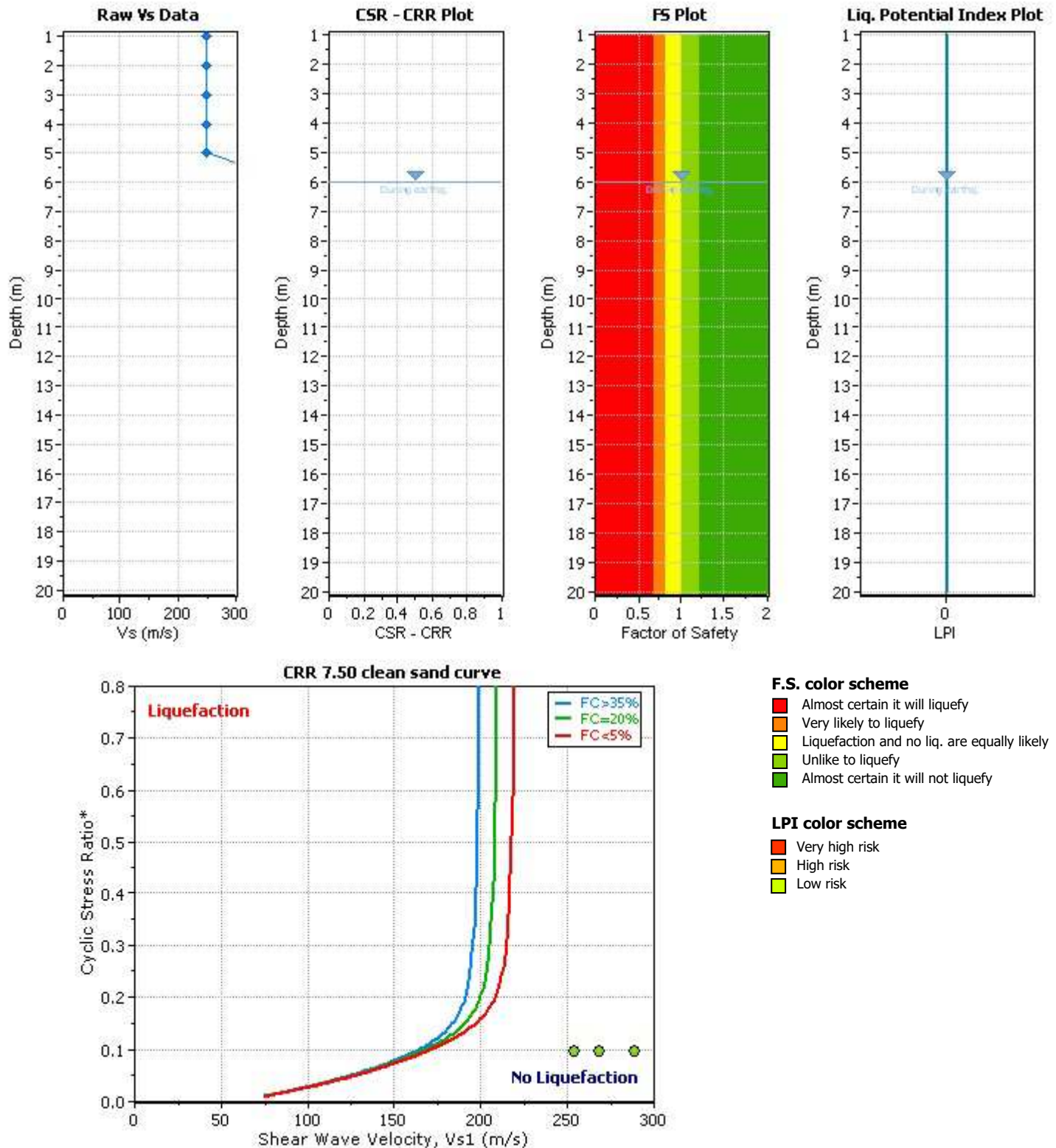
Project title :

V_s Name: L220

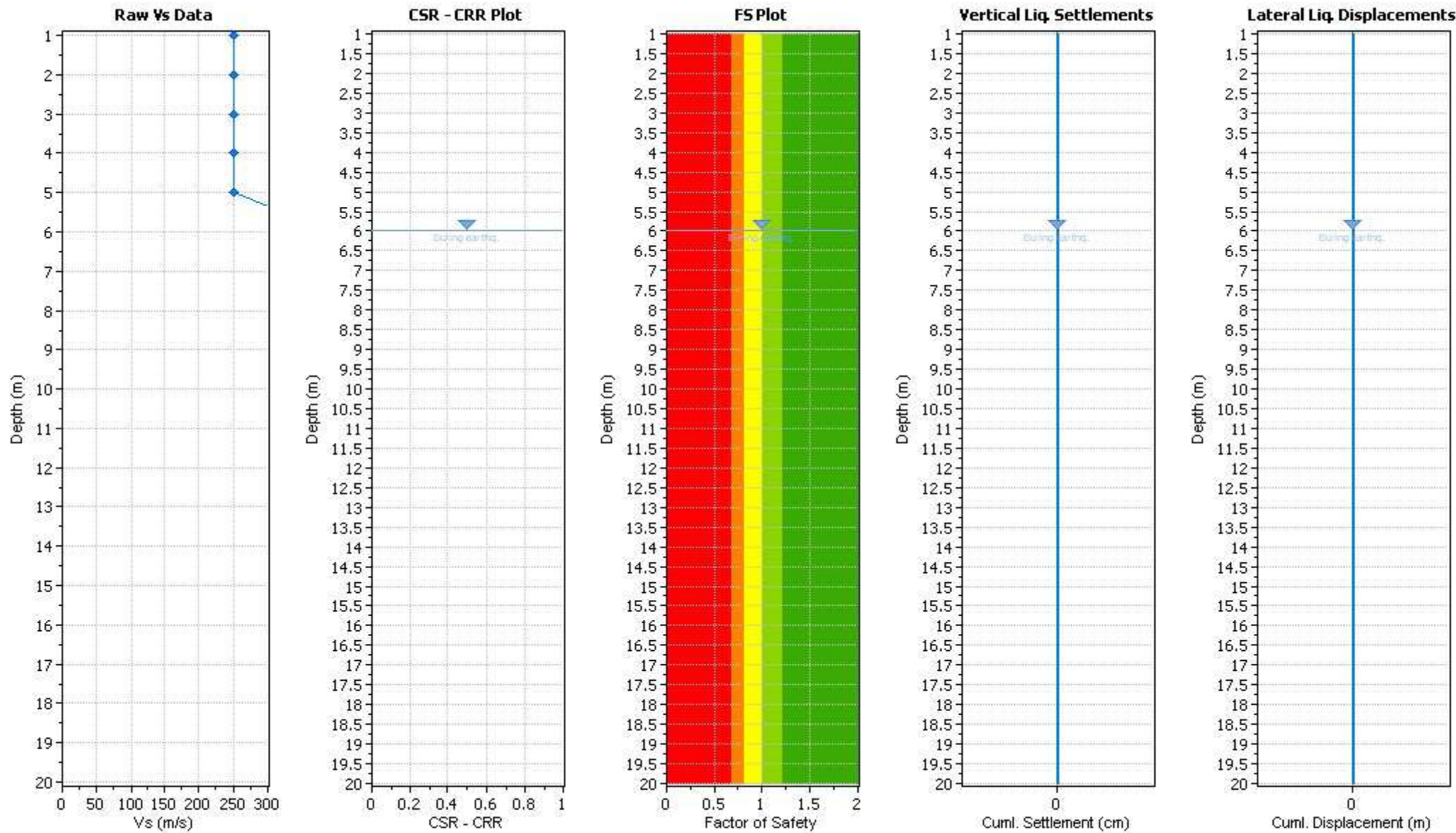
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	250.00	5.00	19.00	1.00	Yes
2.00	250.00	5.00	19.00	2.00	Yes
3.00	250.00	5.00	19.00	3.00	Yes
4.00	250.00	5.00	19.00	4.00	Yes
5.00	250.00	5.00	19.00	5.00	Yes
6.00	390.00	5.00	19.00	6.00	Yes
7.00	390.00	5.00	19.00	7.00	Yes
8.00	390.00	5.00	19.00	8.00	Yes
9.00	390.00	5.00	19.00	9.00	Yes
10.00	390.00	5.00	19.00	10.00	Yes
11.00	390.00	5.00	19.00	11.00	Yes
12.00	390.00	5.00	19.00	12.00	Yes
13.00	390.00	5.00	19.00	13.00	Yes
14.00	390.00	5.00	19.00	14.00	Yes
15.00	390.00	5.00	19.00	15.00	Yes
16.00	390.00	5.00	19.00	16.00	Yes
17.00	390.00	5.00	19.00	17.00	Yes
18.00	390.00	5.00	19.00	18.00	Yes
19.00	390.00	5.00	19.00	19.00	Yes
20.00	390.00	5.00	19.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

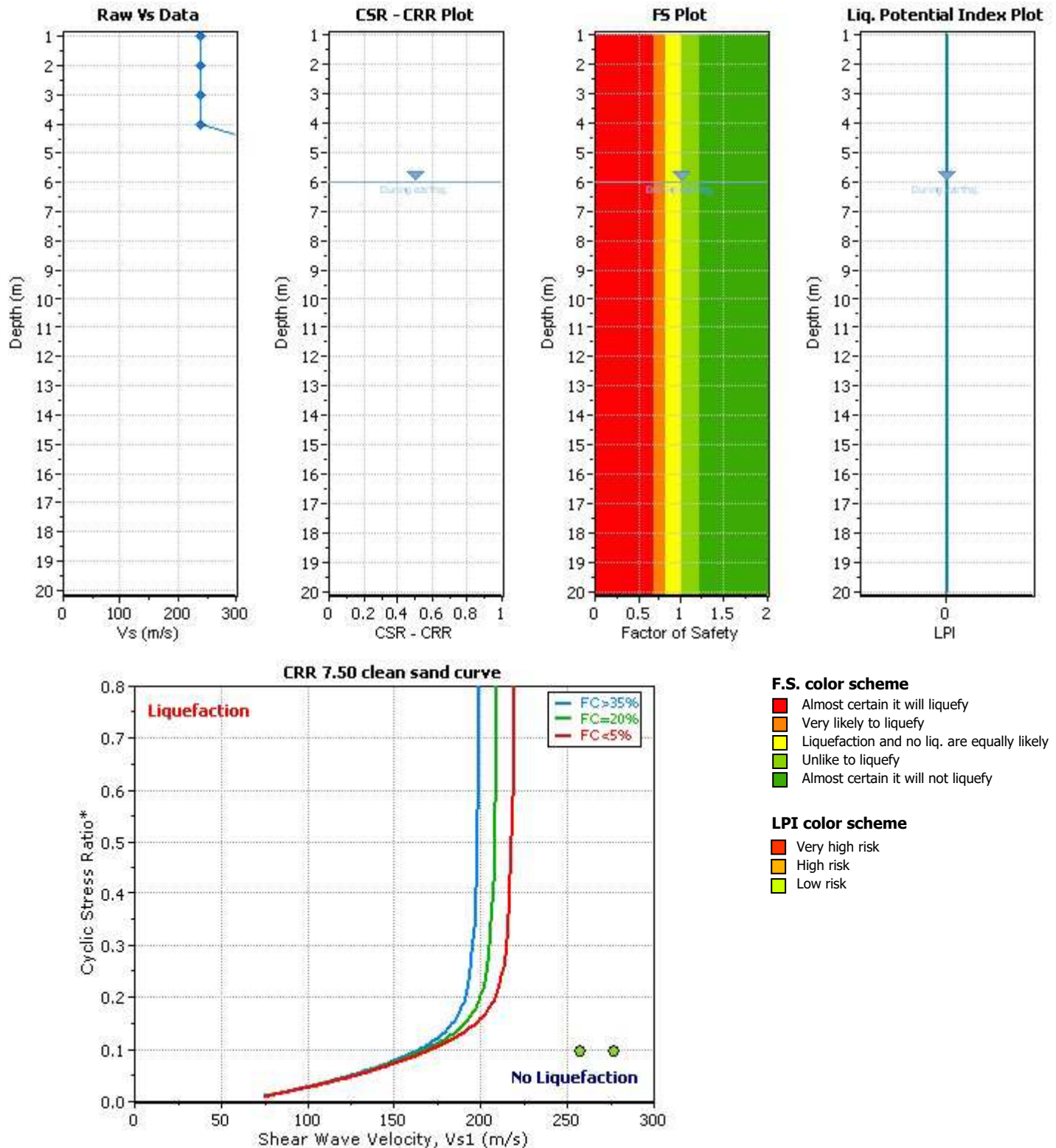
Project title :

V_s Name: L229

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



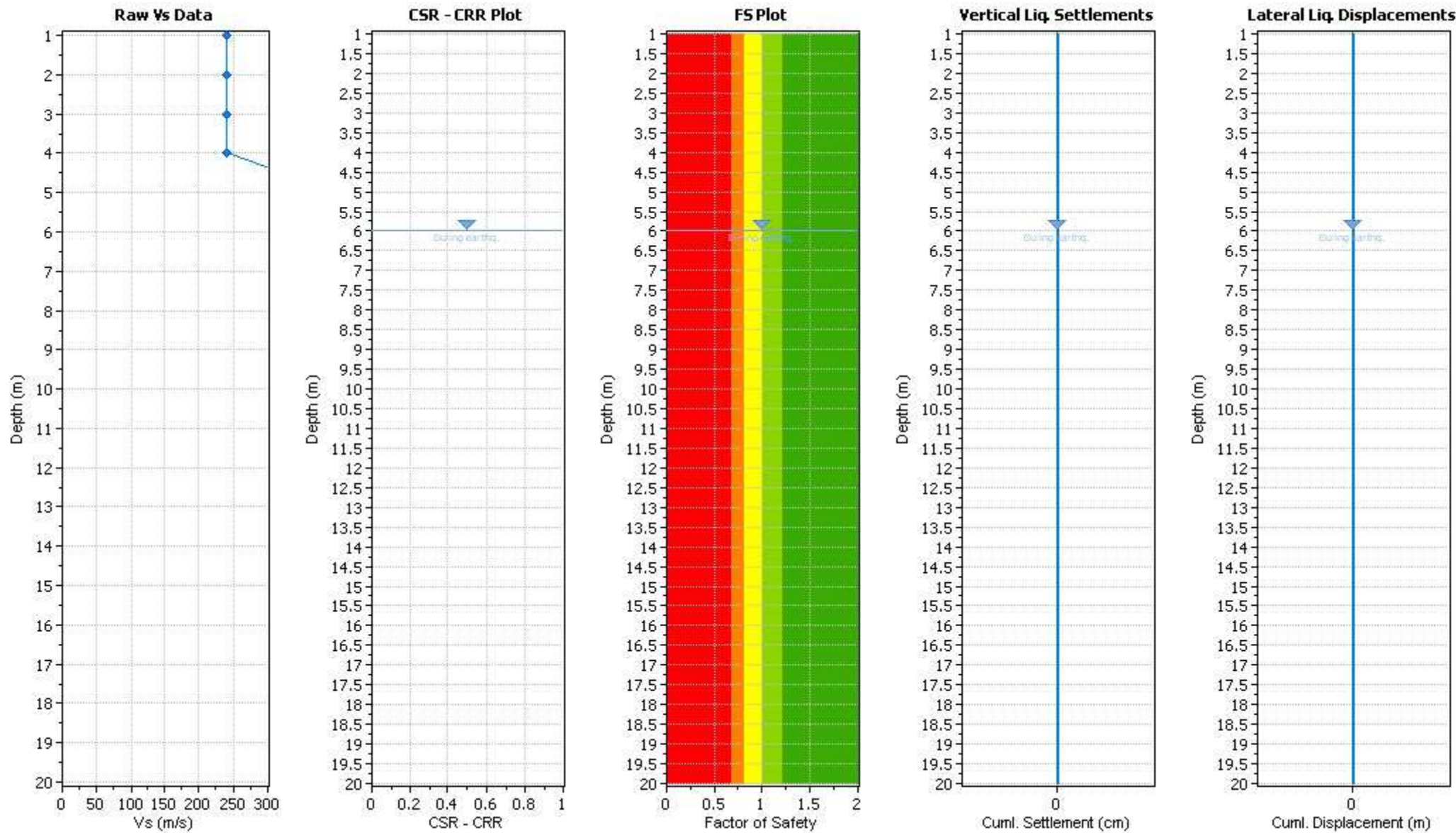
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	240.00	5.00	19.00	1.00	Yes
2.00	240.00	5.00	19.00	2.00	Yes
3.00	240.00	5.00	19.00	3.00	Yes
4.00	240.00	5.00	19.00	4.00	Yes
5.00	400.00	5.00	20.00	5.00	Yes
6.00	400.00	5.00	20.00	6.00	Yes
7.00	400.00	5.00	20.00	7.00	Yes
8.00	400.00	5.00	20.00	8.00	Yes
9.00	400.00	5.00	20.00	9.00	Yes
10.00	400.00	5.00	20.00	10.00	Yes
11.00	400.00	5.00	20.00	11.00	Yes
12.00	400.00	5.00	20.00	12.00	Yes
13.00	400.00	5.00	20.00	13.00	Yes
14.00	400.00	5.00	20.00	14.00	Yes
15.00	400.00	5.00	20.00	15.00	Yes
16.00	400.00	5.00	20.00	16.00	Yes
17.00	400.00	5.00	20.00	17.00	Yes
18.00	400.00	5.00	20.00	18.00	Yes
19.00	400.00	5.00	20.00	19.00	Yes
20.00	400.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

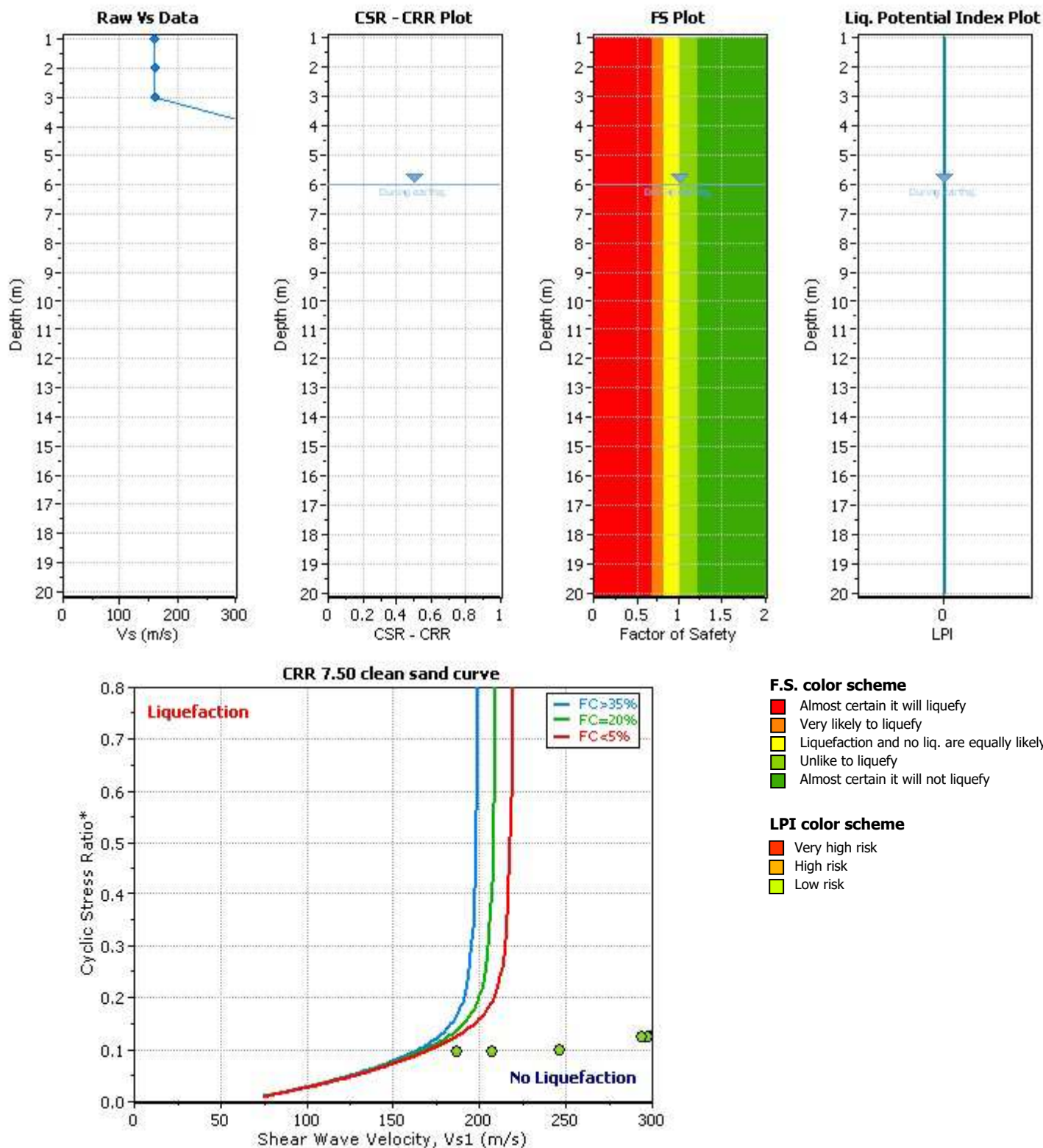
Project title :

V_s Name: L230

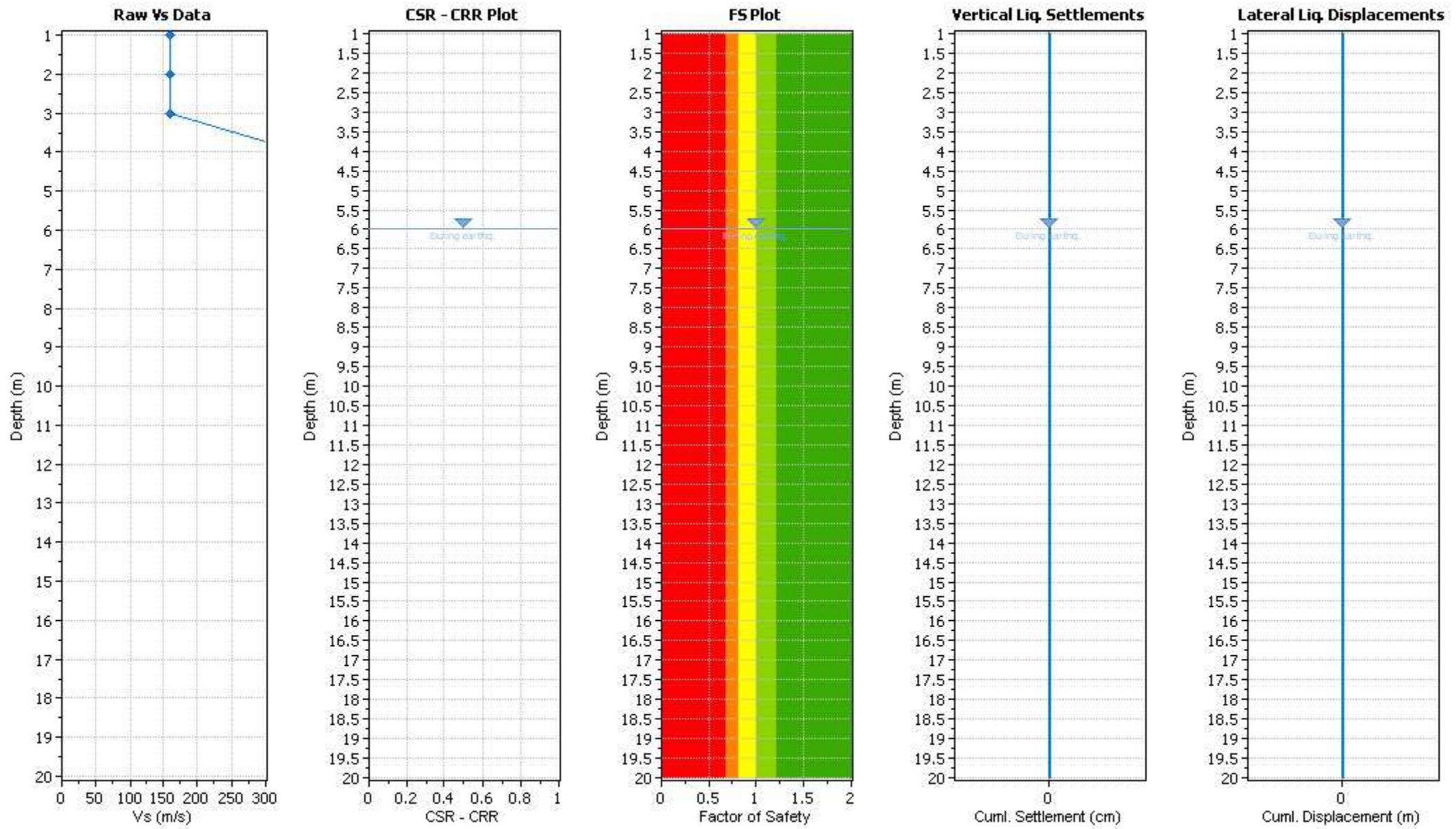
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	160.00	5.00	18.00	1.00	Yes
2.00	160.00	5.00	18.00	2.00	Yes
3.00	160.00	5.00	18.00	3.00	Yes
4.00	350.00	5.00	19.00	4.00	Yes
5.00	350.00	5.00	19.00	5.00	Yes
6.00	350.00	5.00	19.00	6.00	Yes
7.00	350.00	5.00	19.00	7.00	Yes
8.00	350.00	5.00	19.00	8.00	Yes
9.00	350.00	5.00	19.00	9.00	Yes
10.00	350.00	5.00	19.00	10.00	Yes
11.00	350.00	5.00	19.00	11.00	Yes
12.00	350.00	5.00	19.00	12.00	Yes
13.00	350.00	5.00	19.00	13.00	Yes
14.00	350.00	5.00	19.00	14.00	Yes
15.00	350.00	5.00	19.00	15.00	Yes
16.00	460.00	5.00	20.00	16.00	Yes
17.00	460.00	5.00	20.00	17.00	Yes
18.00	460.00	5.00	20.00	18.00	Yes
19.00	460.00	5.00	20.00	19.00	Yes
20.00	460.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
 Vs Field Value: Measured shear waves velocity (m/s)
 Fines Content: Fines content at test depth (%)
 Unit Weight: Unit weight at test depth (kN/m³)
 Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
 Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

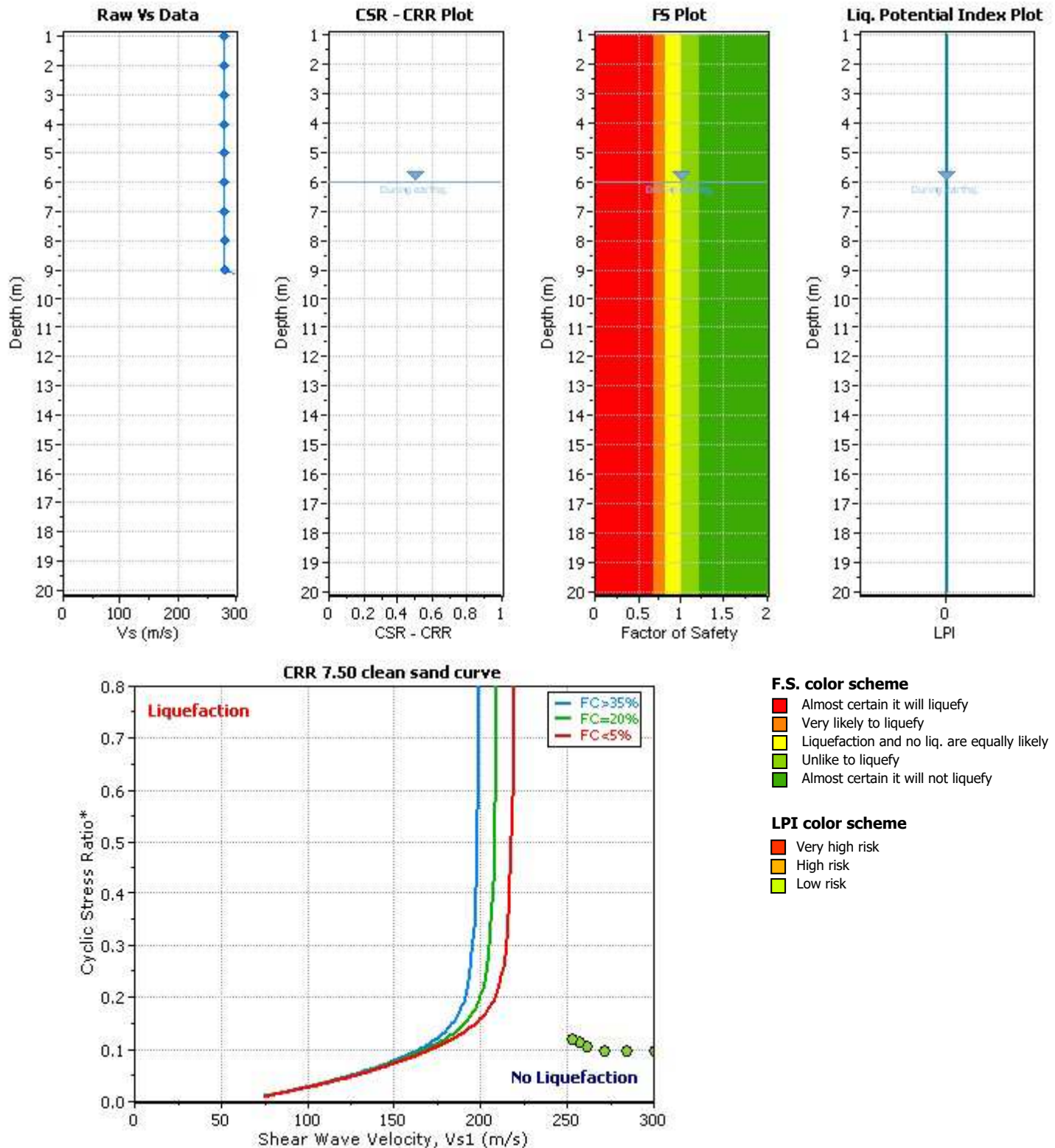
Project title :

V_s Name: L248

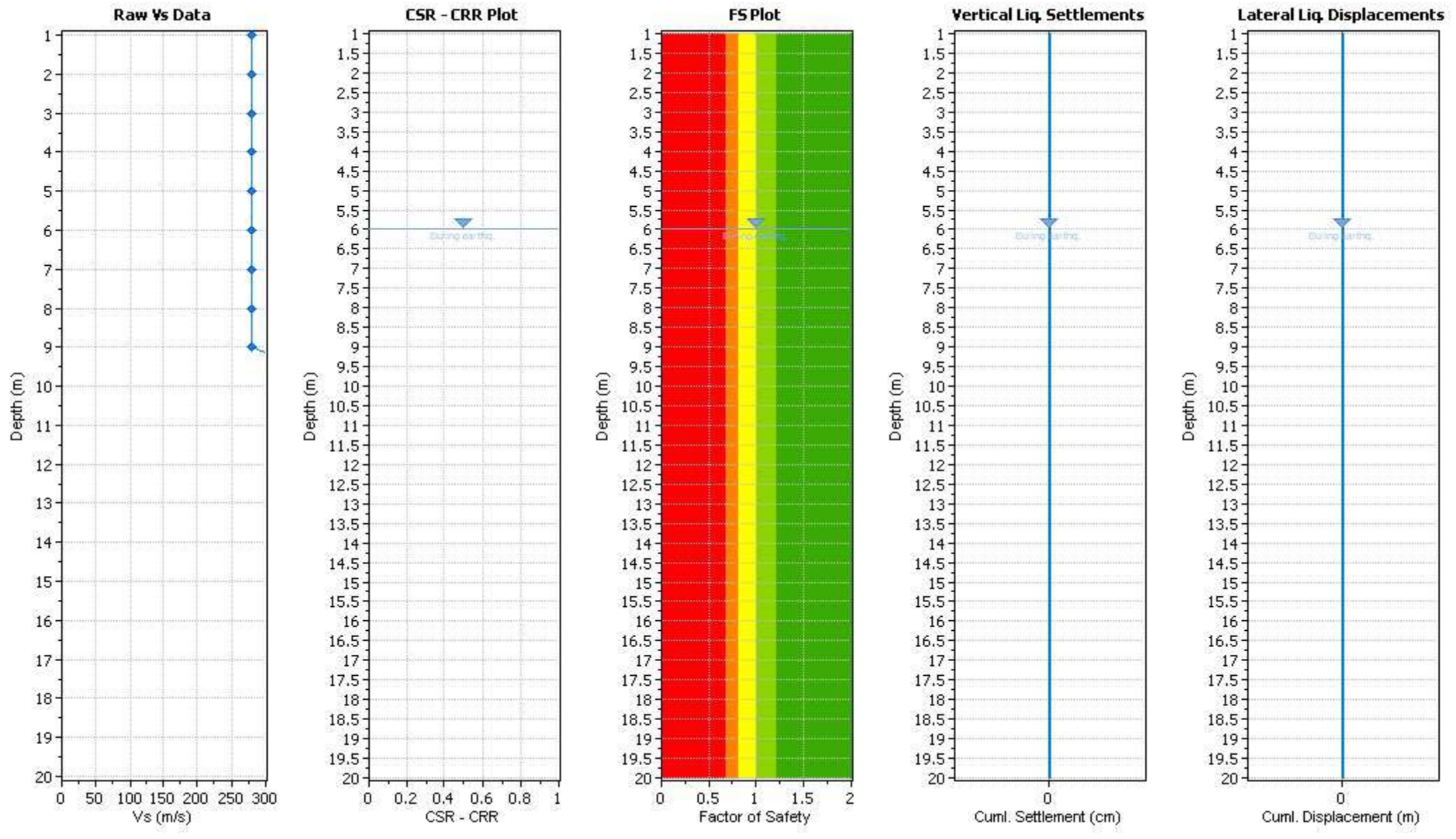
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	280.00	5.00	19.00	1.00	Yes
2.00	280.00	5.00	19.00	2.00	Yes
3.00	280.00	5.00	19.00	3.00	Yes
4.00	280.00	5.00	19.00	4.00	Yes
5.00	280.00	5.00	19.00	5.00	Yes
6.00	280.00	5.00	19.00	6.00	Yes
7.00	280.00	5.00	19.00	7.00	Yes
8.00	280.00	5.00	19.00	8.00	Yes
9.00	280.00	5.00	19.00	9.00	Yes
10.00	410.00	5.00	20.00	10.00	Yes
11.00	410.00	5.00	20.00	11.00	Yes
12.00	410.00	5.00	20.00	12.00	Yes
13.00	410.00	5.00	20.00	13.00	Yes
14.00	410.00	5.00	20.00	14.00	Yes
15.00	410.00	5.00	20.00	15.00	Yes
16.00	410.00	5.00	20.00	16.00	Yes
17.00	410.00	5.00	20.00	17.00	Yes
18.00	410.00	5.00	20.00	18.00	Yes
19.00	410.00	5.00	20.00	19.00	Yes
20.00	410.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

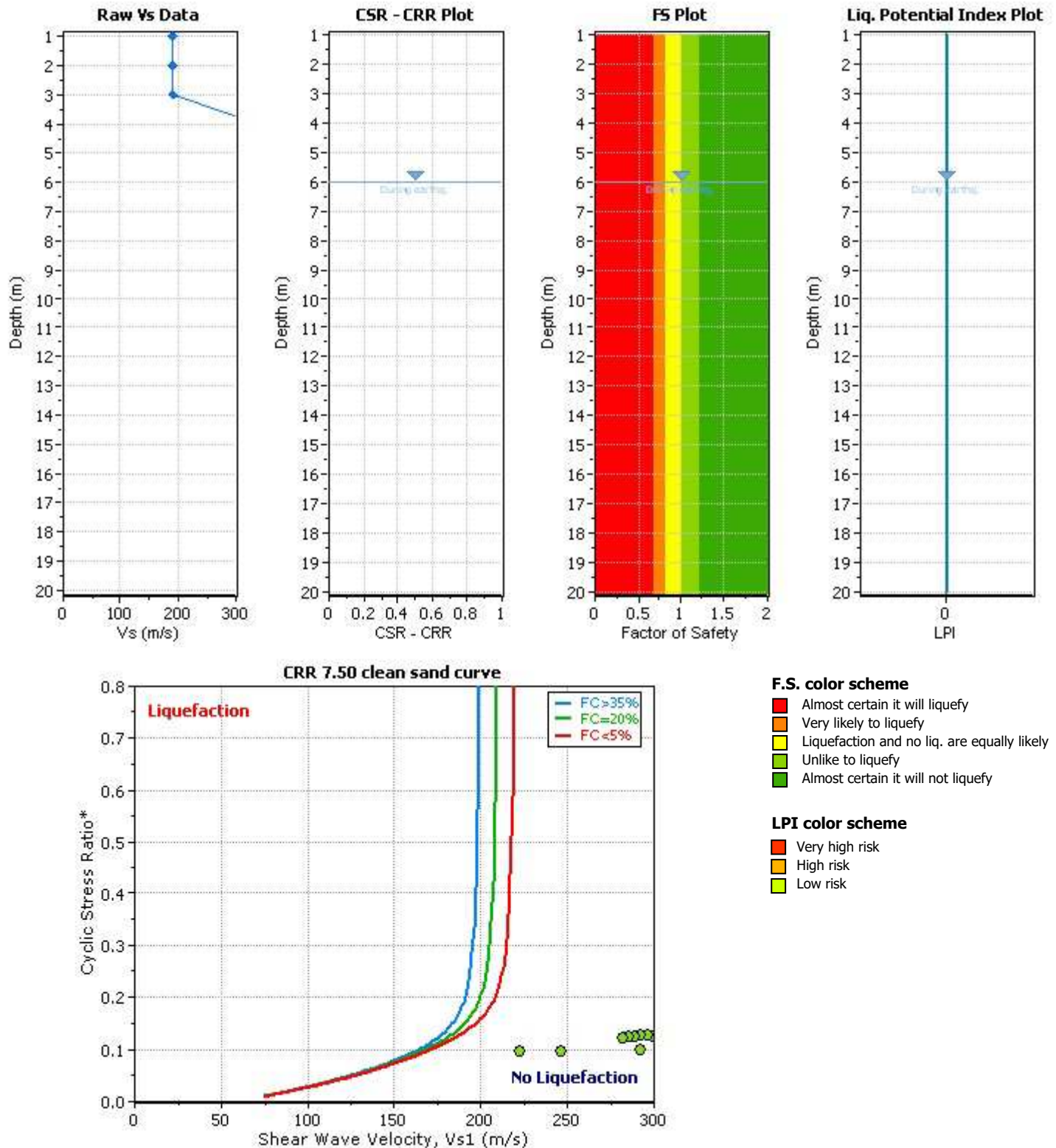
Project title :

V_s Name: L254

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



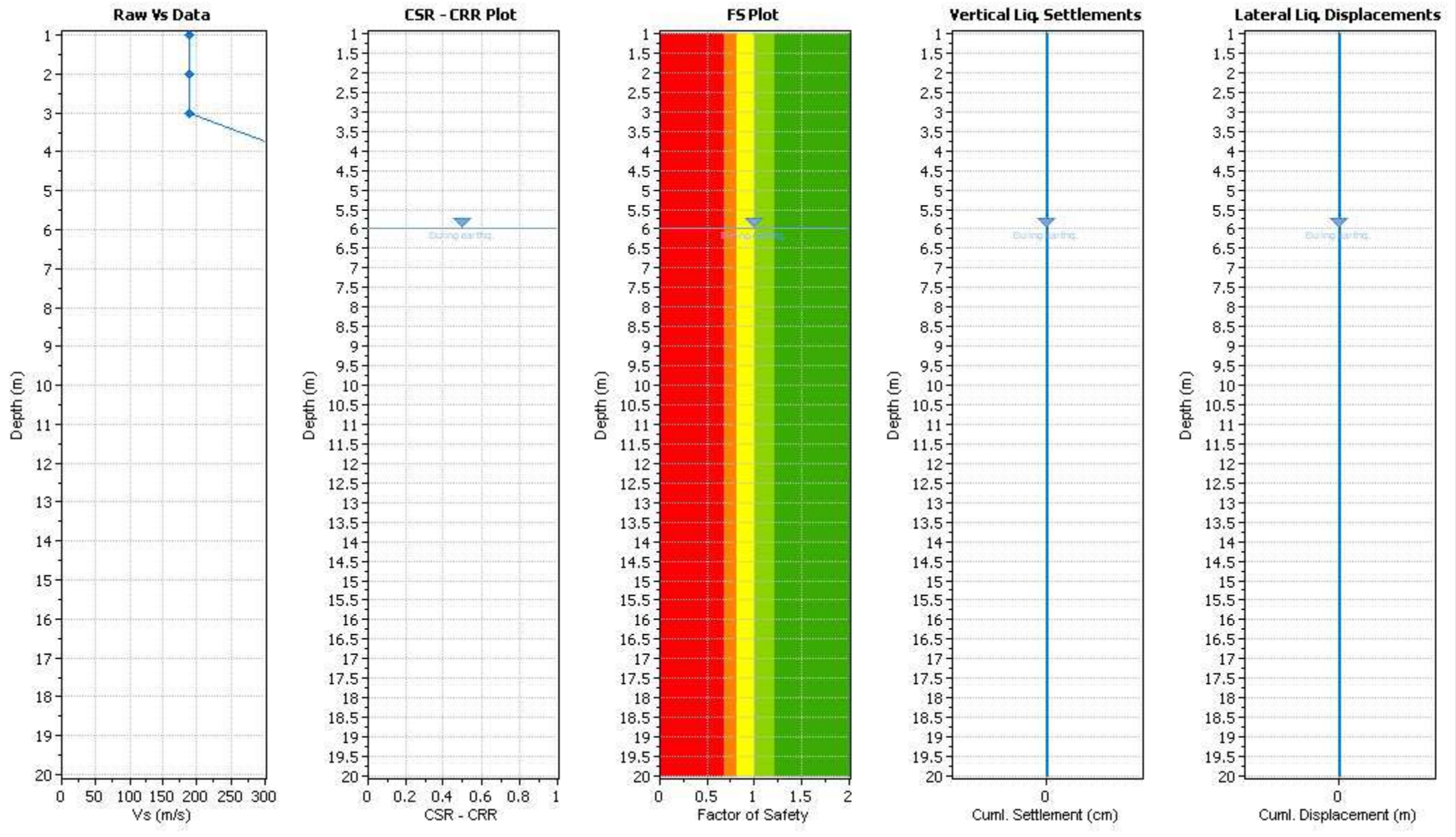
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	190.00	5.00	18.00	1.00	Yes
2.00	190.00	5.00	18.00	2.00	Yes
3.00	190.00	5.00	18.00	3.00	Yes
4.00	340.00	5.00	19.00	4.00	Yes
5.00	340.00	5.00	19.00	5.00	Yes
6.00	340.00	5.00	19.00	6.00	Yes
7.00	340.00	5.00	19.00	7.00	Yes
8.00	340.00	5.00	19.00	8.00	Yes
9.00	340.00	5.00	19.00	9.00	Yes
10.00	340.00	5.00	19.00	10.00	Yes
11.00	340.00	5.00	19.00	11.00	Yes
12.00	340.00	5.00	19.00	12.00	Yes
13.00	340.00	5.00	19.00	13.00	Yes
14.00	340.00	5.00	19.00	14.00	Yes
15.00	340.00	5.00	19.00	15.00	Yes
16.00	340.00	5.00	19.00	16.00	Yes
17.00	510.00	5.00	20.00	17.00	Yes
18.00	510.00	5.00	20.00	18.00	Yes
19.00	510.00	5.00	20.00	19.00	Yes
20.00	510.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

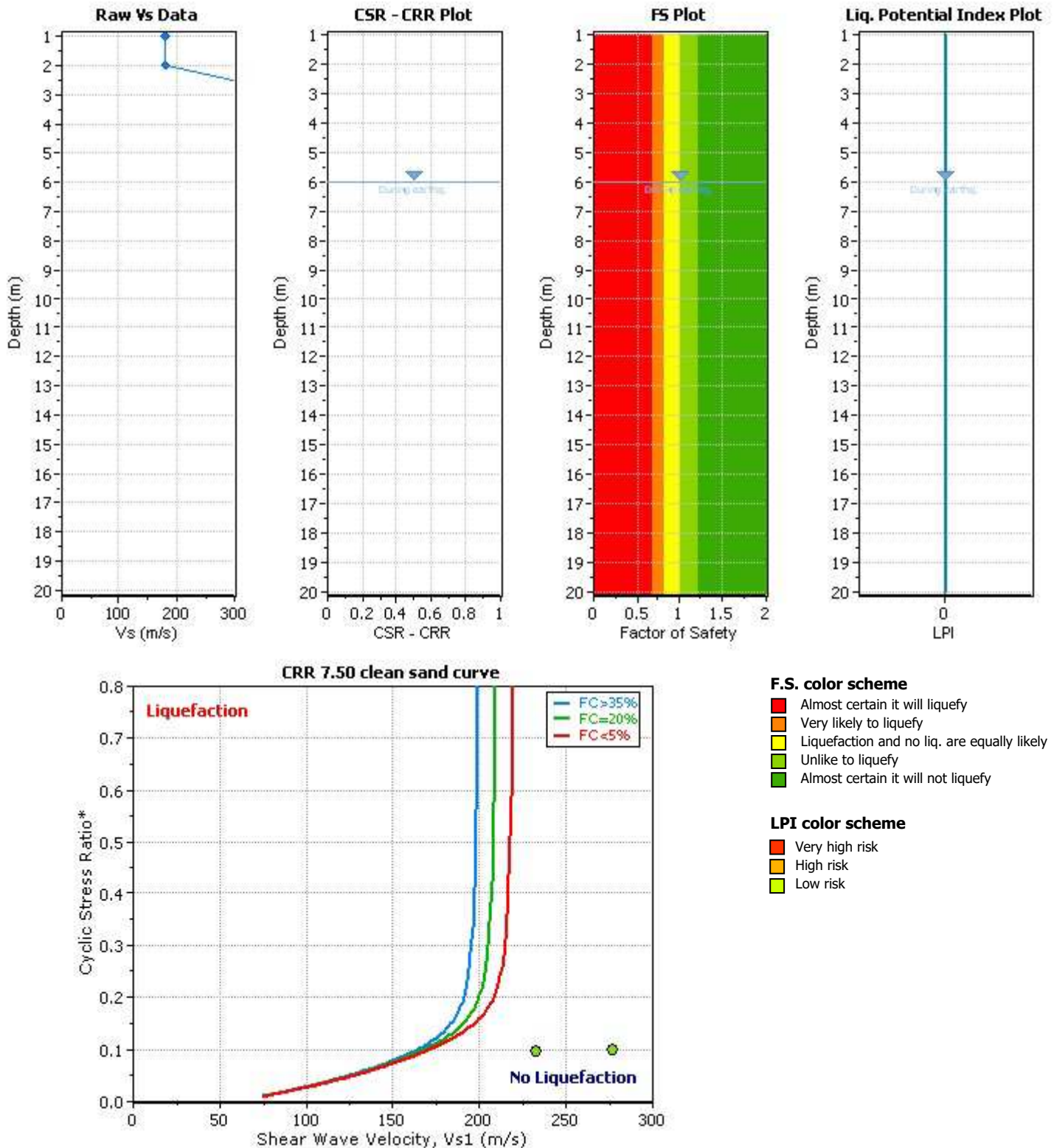
Project title :

V_s Name: L266

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 7.00 m
G.W.T. (earthq.): 6.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



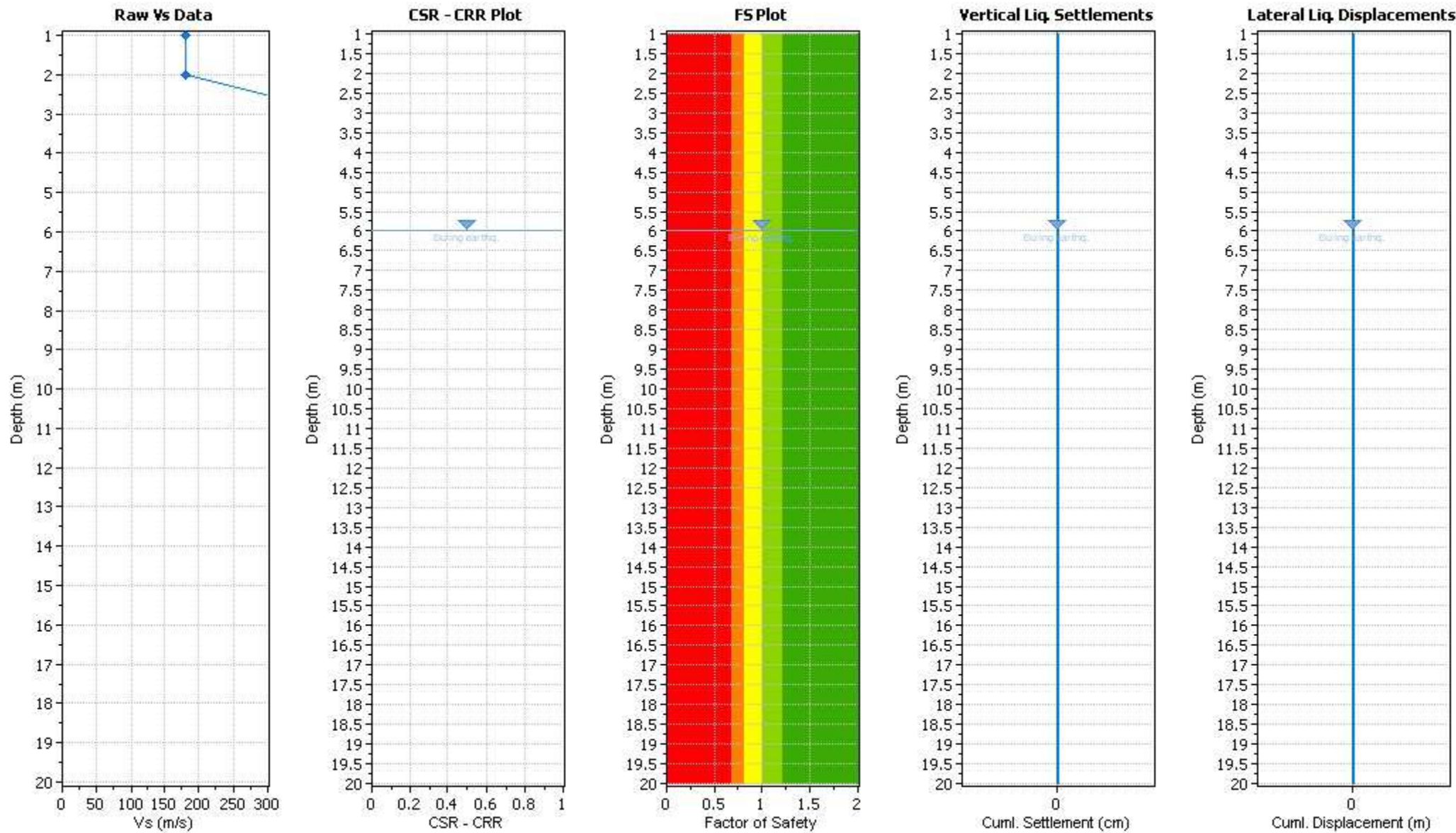
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	180.00	5.00	18.00	1.00	Yes
2.00	180.00	5.00	18.00	2.00	Yes
3.00	410.00	5.00	20.00	3.00	Yes
4.00	410.00	5.00	20.00	4.00	Yes
5.00	410.00	5.00	20.00	5.00	Yes
6.00	380.00	5.00	19.00	6.00	Yes
7.00	380.00	5.00	19.00	7.00	Yes
8.00	380.00	5.00	19.00	8.00	Yes
9.00	450.00	5.00	20.00	9.00	Yes
10.00	450.00	5.00	20.00	10.00	Yes
11.00	450.00	5.00	20.00	11.00	Yes
12.00	450.00	5.00	20.00	12.00	Yes
13.00	450.00	5.00	20.00	13.00	Yes
14.00	450.00	5.00	20.00	14.00	Yes
15.00	450.00	5.00	20.00	15.00	Yes
16.00	450.00	5.00	20.00	16.00	Yes
17.00	450.00	5.00	20.00	17.00	Yes
18.00	450.00	5.00	20.00	18.00	Yes
19.00	450.00	5.00	20.00	19.00	Yes
20.00	450.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

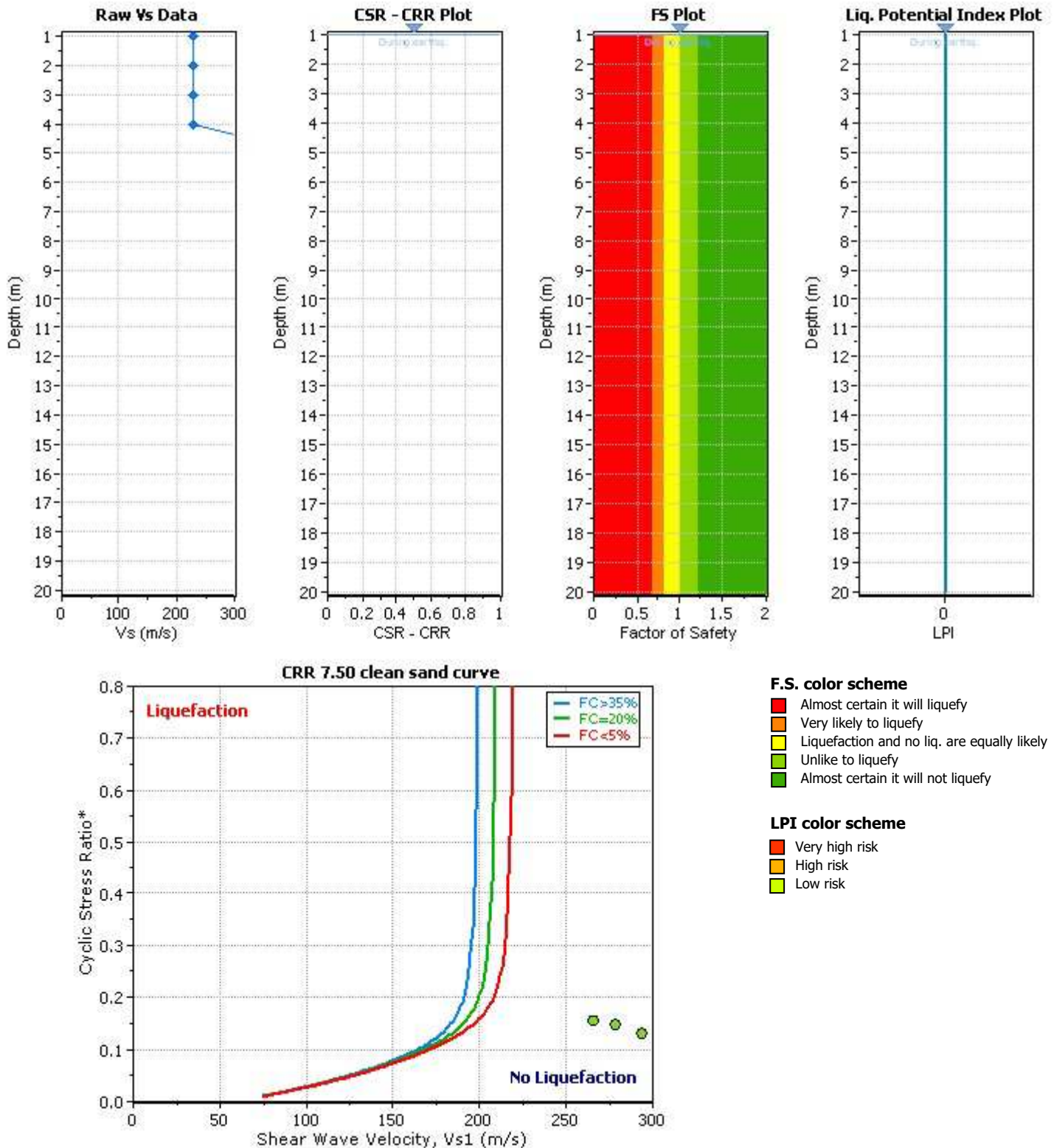
Project title :

V_s Name: L178

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 2.00 m
G.W.T. (earthq.): 1.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



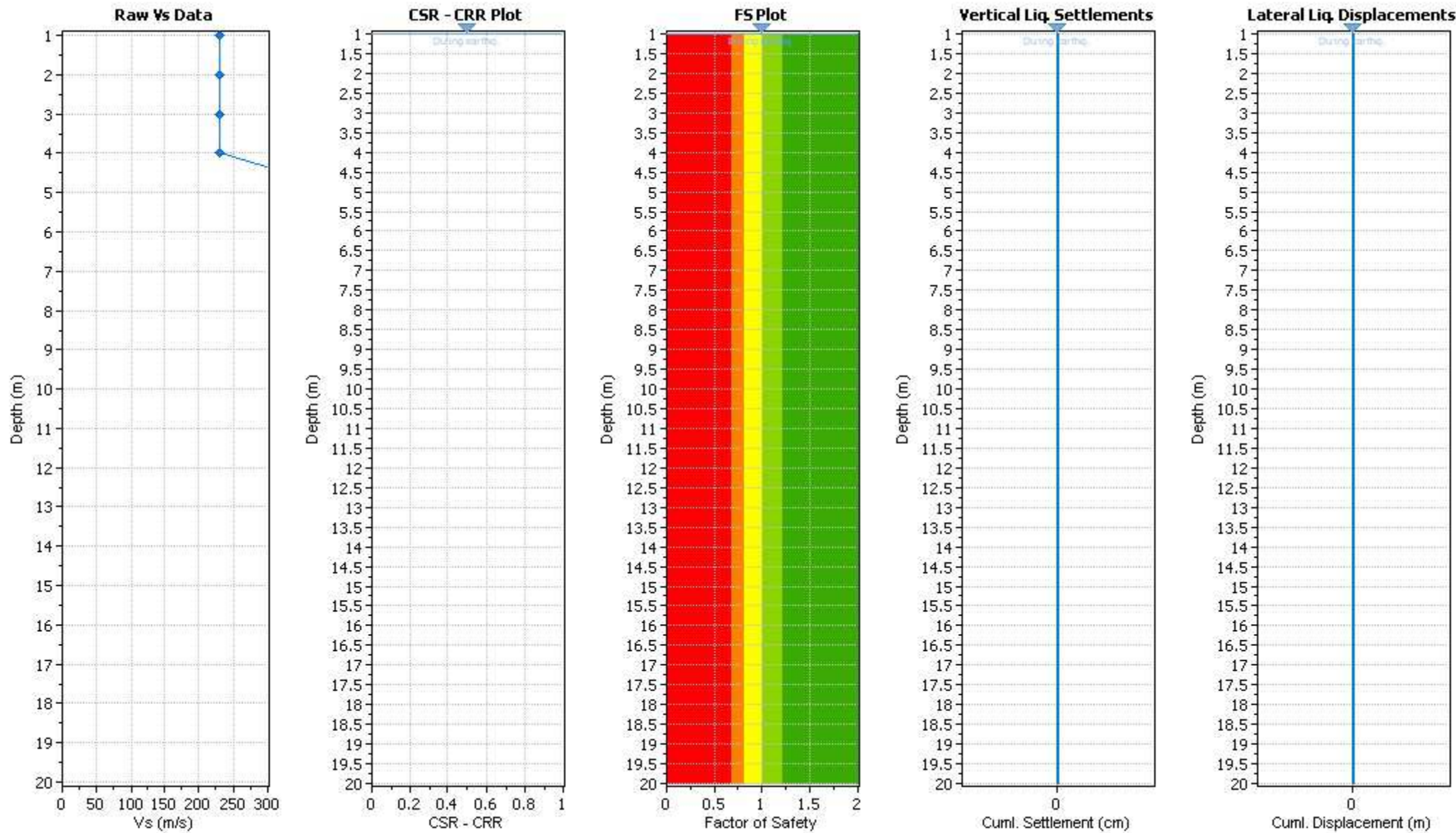
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	230.00	5.00	19.00	1.00	Yes
2.00	230.00	5.00	19.00	2.00	Yes
3.00	230.00	5.00	19.00	3.00	Yes
4.00	230.00	5.00	19.00	4.00	Yes
5.00	420.00	5.00	20.00	5.00	Yes
6.00	420.00	5.00	20.00	6.00	Yes
7.00	420.00	5.00	20.00	7.00	Yes
8.00	420.00	5.00	20.00	8.00	Yes
9.00	420.00	5.00	20.00	9.00	Yes
10.00	420.00	5.00	20.00	10.00	Yes
11.00	420.00	5.00	20.00	11.00	Yes
12.00	420.00	5.00	20.00	12.00	Yes
13.00	420.00	5.00	20.00	13.00	Yes
14.00	420.00	5.00	20.00	14.00	Yes
15.00	420.00	5.00	20.00	15.00	Yes
16.00	420.00	5.00	20.00	16.00	Yes
17.00	420.00	5.00	20.00	17.00	Yes
18.00	420.00	5.00	20.00	18.00	Yes
19.00	420.00	5.00	20.00	19.00	Yes
20.00	420.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

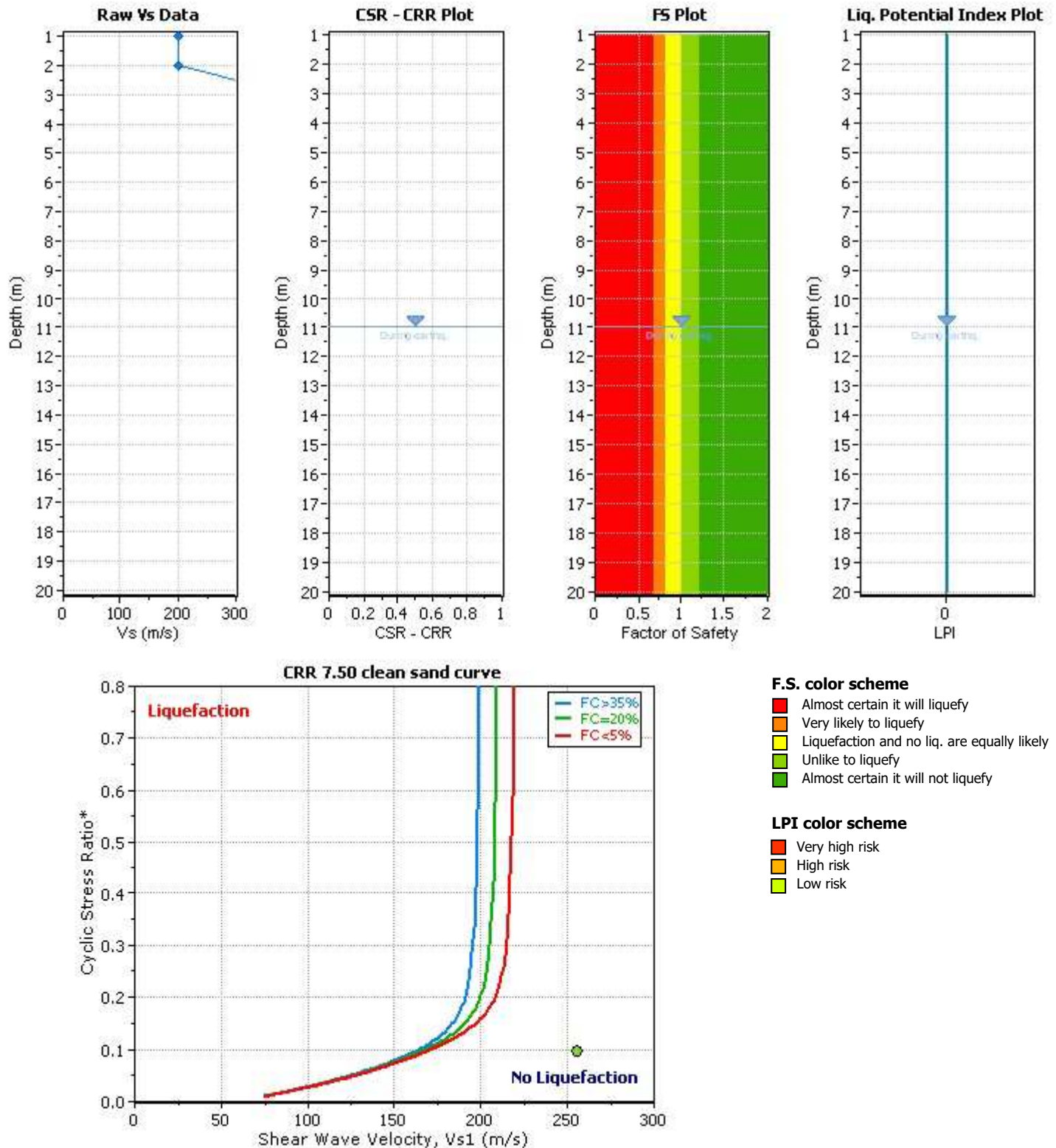
Project title :

V_s Name: L186

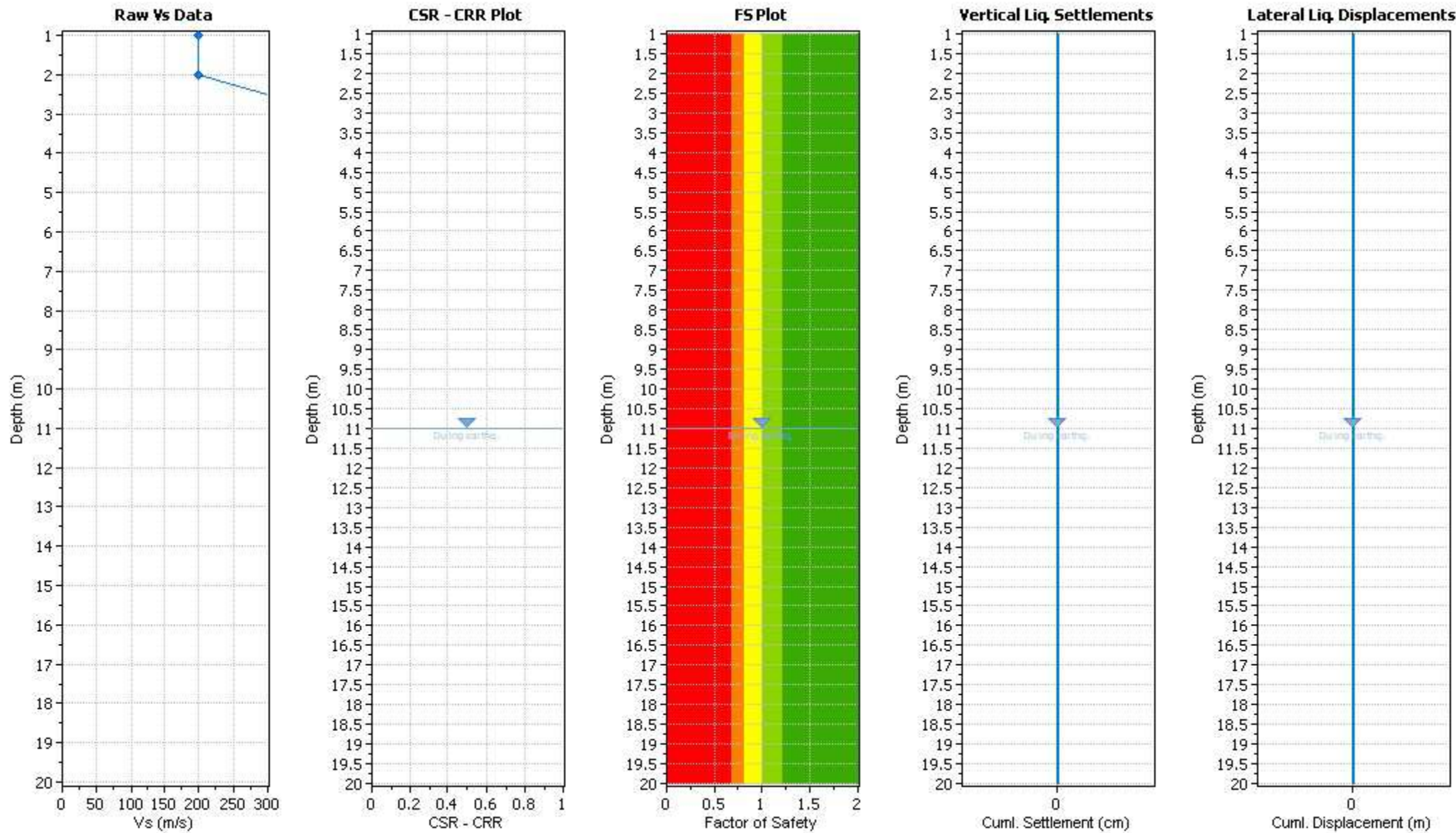
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	200.00	5.00	19.00	1.00	Yes
2.00	200.00	5.00	19.00	2.00	Yes
3.00	400.00	5.00	20.00	3.00	Yes
4.00	400.00	5.00	20.00	4.00	Yes
5.00	400.00	5.00	20.00	5.00	Yes
6.00	440.00	5.00	20.00	6.00	Yes
7.00	440.00	5.00	20.00	7.00	Yes
8.00	440.00	5.00	20.00	8.00	Yes
9.00	440.00	5.00	20.00	9.00	Yes
10.00	440.00	5.00	20.00	10.00	Yes
11.00	440.00	5.00	20.00	11.00	Yes
12.00	440.00	5.00	20.00	12.00	Yes
13.00	440.00	5.00	20.00	13.00	Yes
14.00	440.00	5.00	20.00	14.00	Yes
15.00	440.00	5.00	20.00	15.00	Yes
16.00	440.00	5.00	20.00	16.00	Yes
17.00	440.00	5.00	20.00	17.00	Yes
18.00	440.00	5.00	20.00	18.00	Yes
19.00	440.00	5.00	20.00	19.00	Yes
20.00	440.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

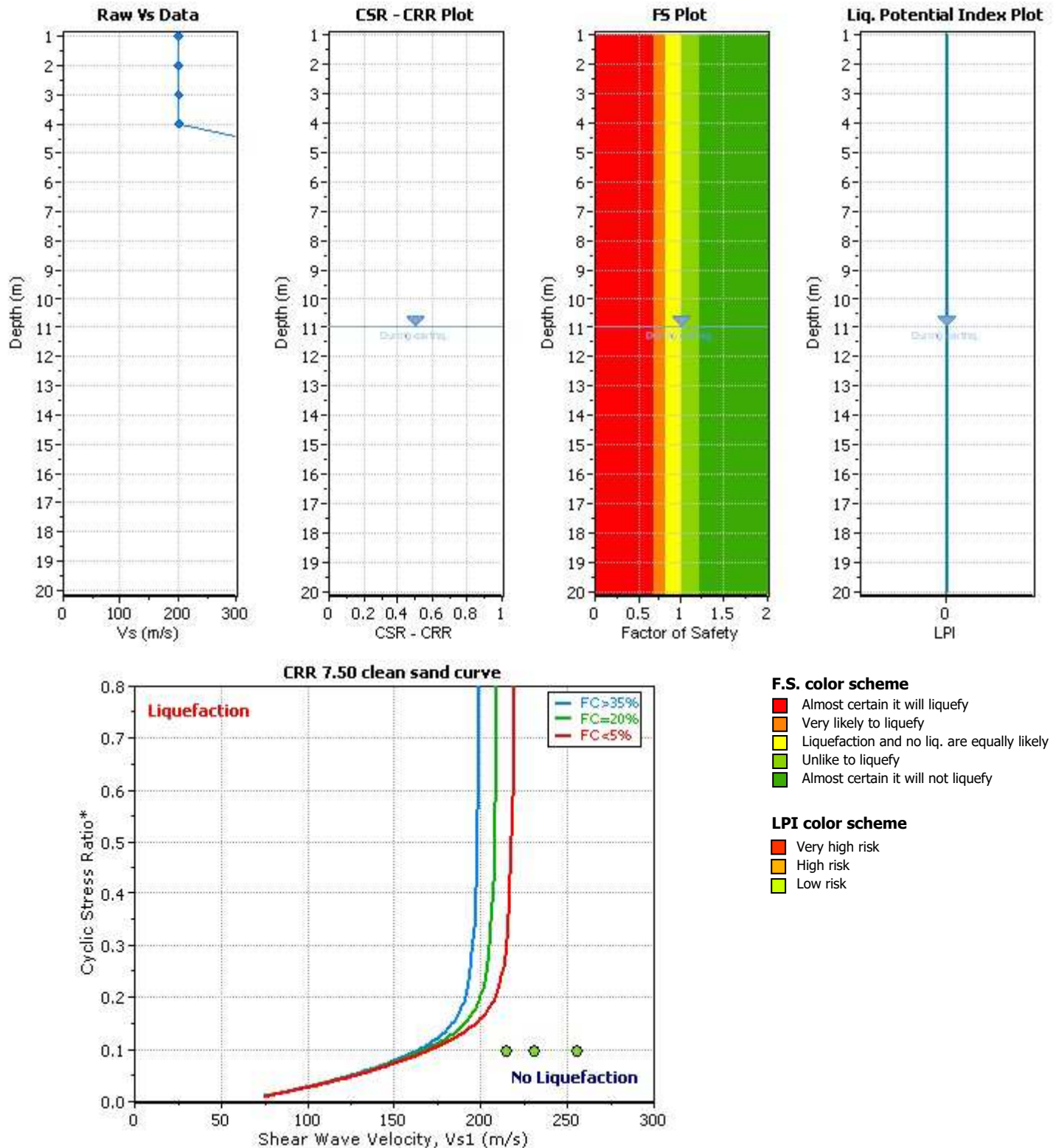
Project title :

V_s Name: L191

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



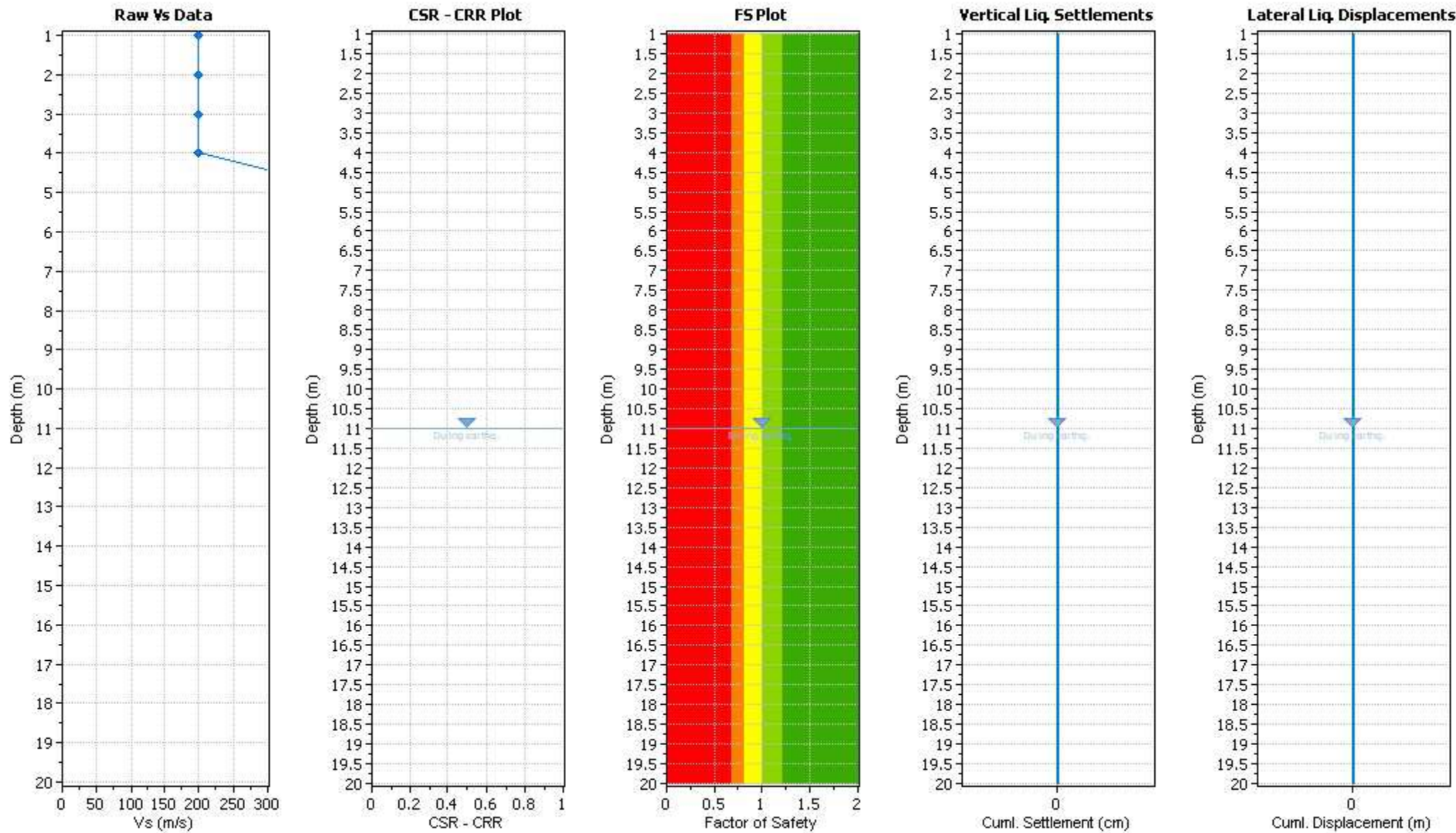
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	200.00	5.00	19.00	1.00	Yes
2.00	200.00	5.00	19.00	2.00	Yes
3.00	200.00	5.00	19.00	3.00	Yes
4.00	200.00	5.00	19.00	4.00	Yes
5.00	430.00	5.00	20.00	5.00	Yes
6.00	430.00	5.00	20.00	6.00	Yes
7.00	430.00	5.00	20.00	7.00	Yes
8.00	430.00	5.00	20.00	8.00	Yes
9.00	430.00	5.00	20.00	9.00	Yes
10.00	430.00	5.00	20.00	10.00	Yes
11.00	430.00	5.00	20.00	11.00	Yes
12.00	430.00	5.00	20.00	12.00	Yes
13.00	430.00	5.00	20.00	13.00	Yes
14.00	430.00	5.00	20.00	14.00	Yes
15.00	430.00	5.00	20.00	15.00	Yes
16.00	430.00	5.00	20.00	16.00	Yes
17.00	430.00	5.00	20.00	17.00	Yes
18.00	430.00	5.00	20.00	18.00	Yes
19.00	430.00	5.00	20.00	19.00	Yes
20.00	430.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

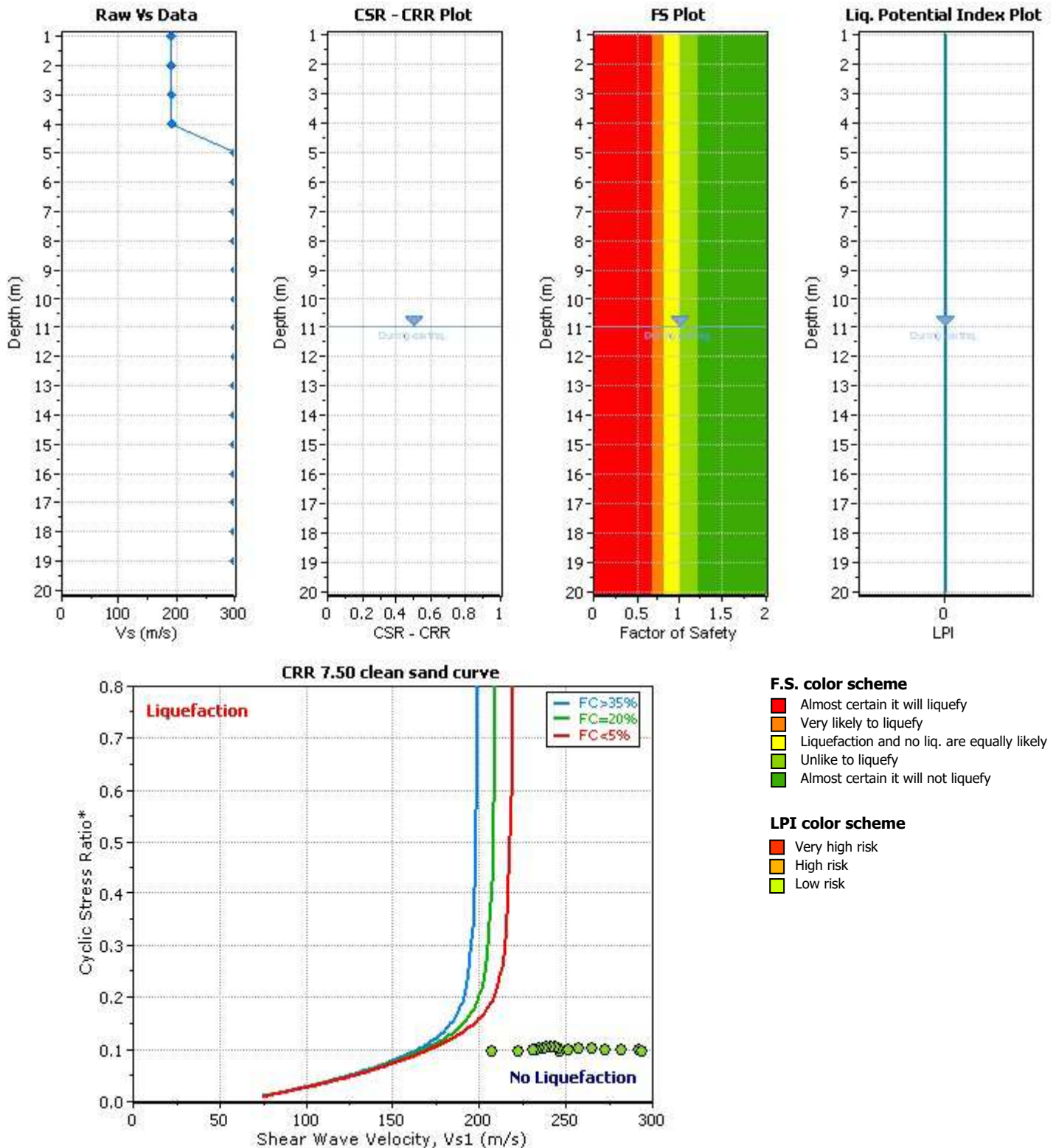
Project title :

V_s Name: L192

Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



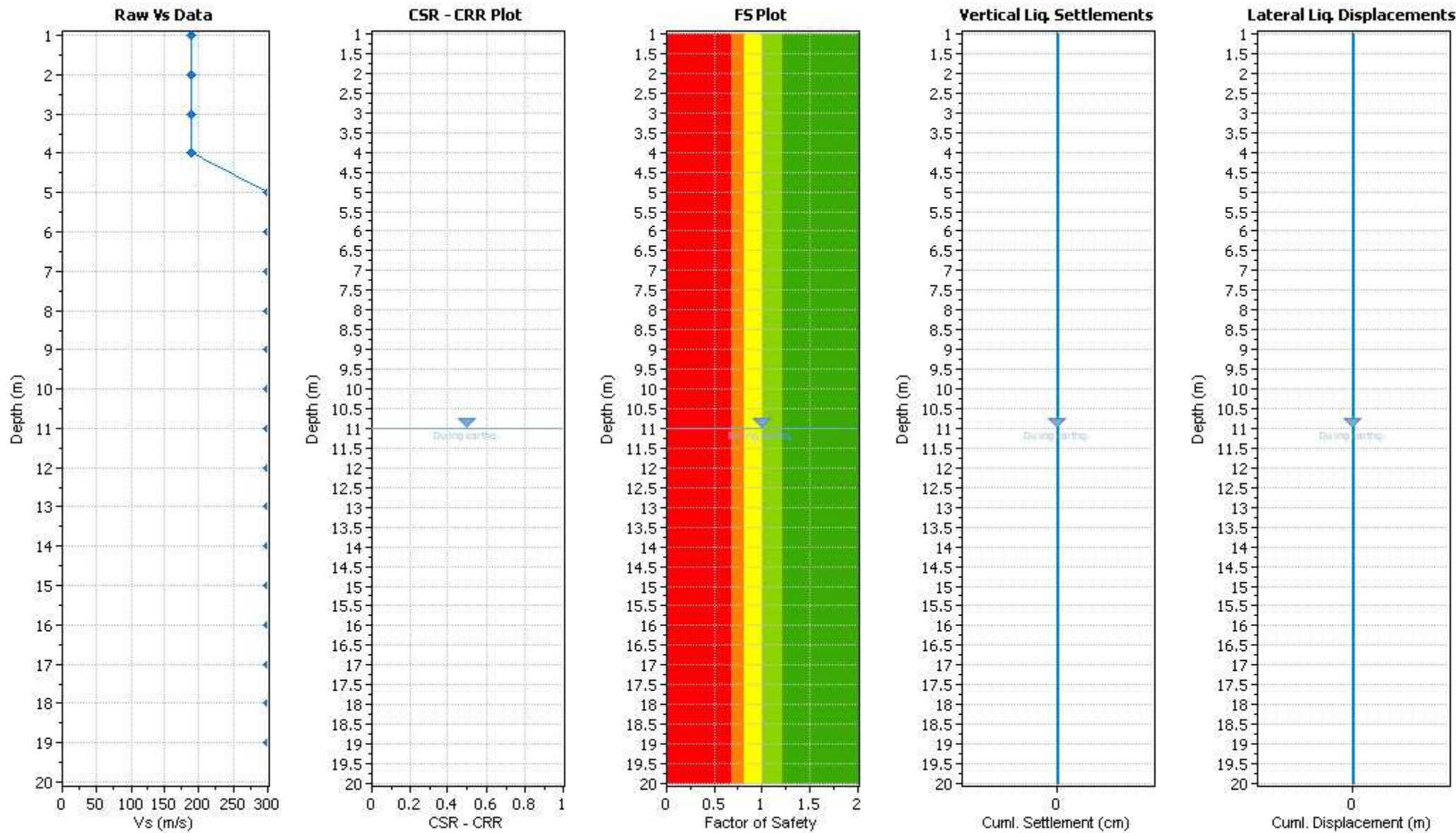
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	190.00	5.00	18.00	1.00	Yes
2.00	190.00	5.00	18.00	2.00	Yes
3.00	190.00	5.00	18.00	3.00	Yes
4.00	190.00	5.00	18.00	4.00	Yes
5.00	300.00	5.00	19.00	5.00	Yes
6.00	300.00	5.00	19.00	6.00	Yes
7.00	300.00	5.00	19.00	7.00	Yes
8.00	300.00	5.00	19.00	8.00	Yes
9.00	300.00	5.00	19.00	9.00	Yes
10.00	300.00	5.00	19.00	10.00	Yes
11.00	300.00	5.00	19.00	11.00	Yes
12.00	300.00	5.00	19.00	12.00	Yes
13.00	300.00	5.00	19.00	13.00	Yes
14.00	300.00	5.00	19.00	14.00	Yes
15.00	300.00	5.00	19.00	15.00	Yes
16.00	300.00	5.00	19.00	16.00	Yes
17.00	300.00	5.00	19.00	17.00	Yes
18.00	300.00	5.00	19.00	18.00	Yes
19.00	300.00	5.00	19.00	19.00	Yes
20.00	460.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
 Vs Field Value: Measured shear waves velocity (m/s)
 Fines Content: Fines content at test depth (%)
 Unit Weight: Unit weight at test depth (kN/m³)
 Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
 Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

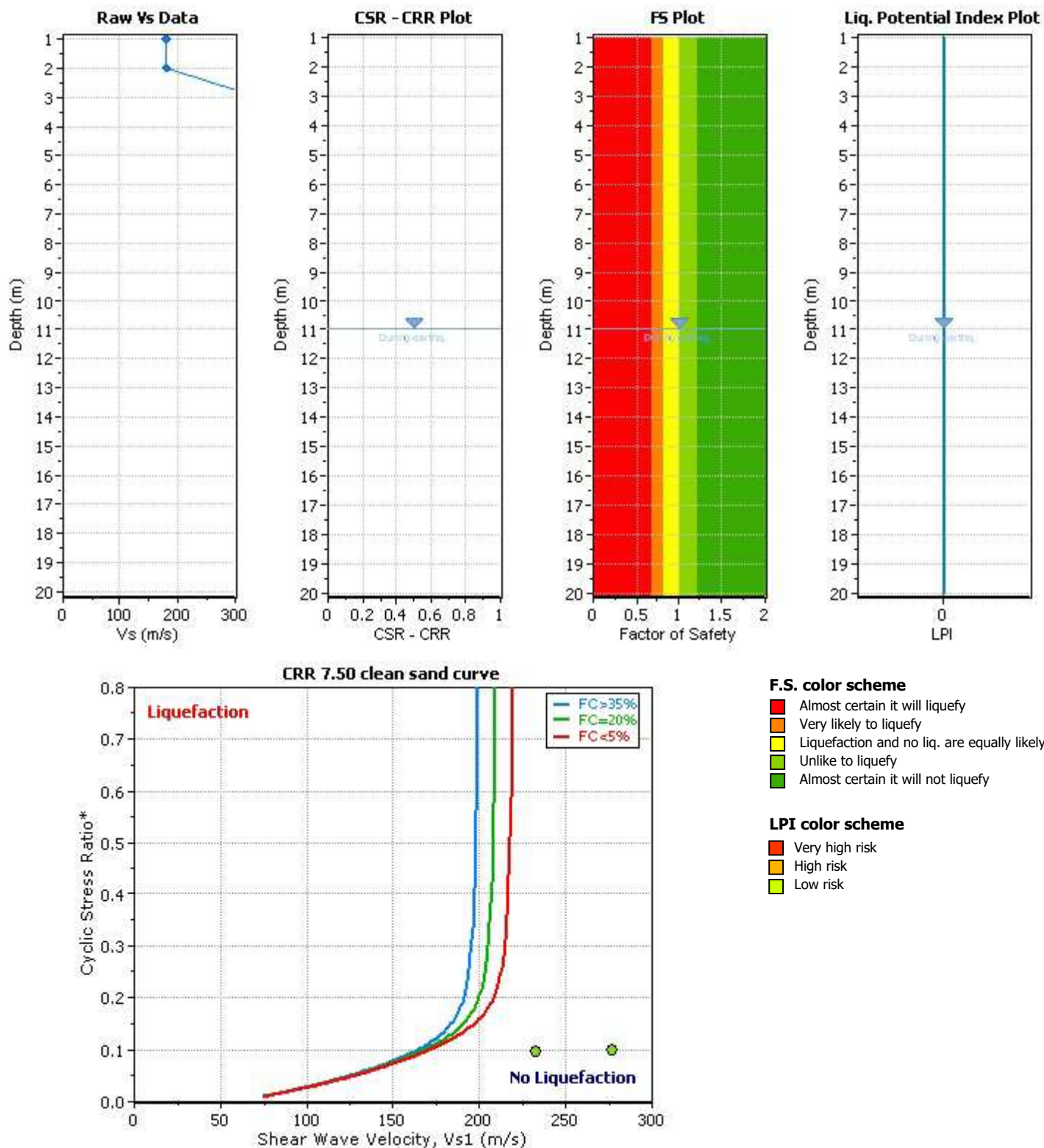
Project title :

V_s Name: L217

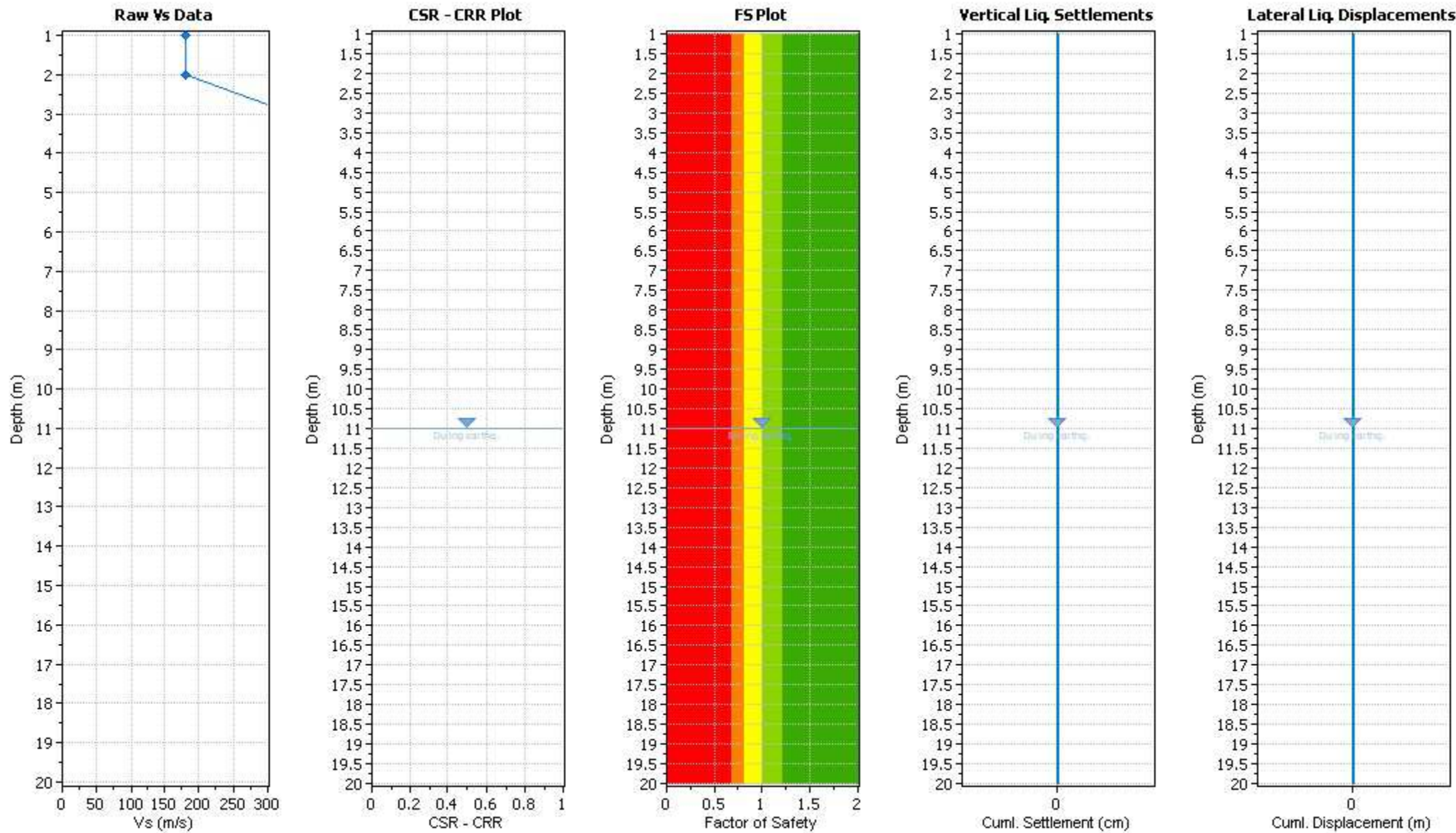
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	180.00	5.00	18.00	1.00	Yes
2.00	180.00	5.00	18.00	2.00	Yes
3.00	340.00	5.00	19.00	3.00	Yes
4.00	340.00	5.00	19.00	4.00	Yes
5.00	340.00	5.00	19.00	5.00	Yes
6.00	410.00	5.00	20.00	6.00	Yes
7.00	410.00	5.00	20.00	7.00	Yes
8.00	410.00	5.00	20.00	8.00	Yes
9.00	410.00	5.00	20.00	9.00	Yes
10.00	410.00	5.00	20.00	10.00	Yes
11.00	410.00	5.00	20.00	11.00	Yes
12.00	410.00	5.00	20.00	12.00	Yes
13.00	410.00	5.00	20.00	13.00	Yes
14.00	410.00	5.00	20.00	14.00	Yes
15.00	410.00	5.00	20.00	15.00	Yes
16.00	410.00	5.00	20.00	16.00	Yes
17.00	410.00	5.00	20.00	17.00	Yes
18.00	410.00	5.00	20.00	18.00	Yes
19.00	410.00	5.00	20.00	19.00	Yes
20.00	410.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

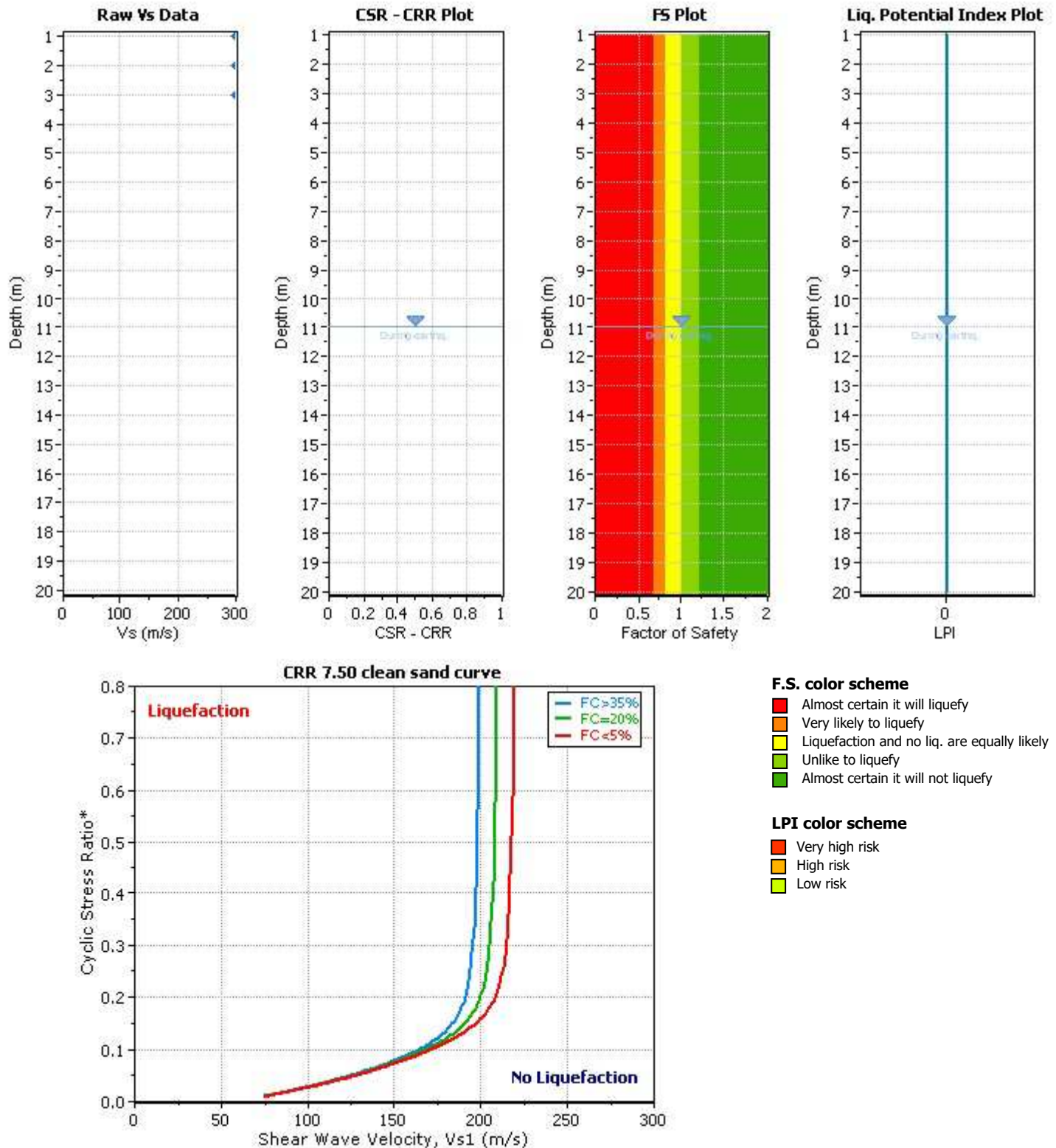
Project title :

V_s Name: L233

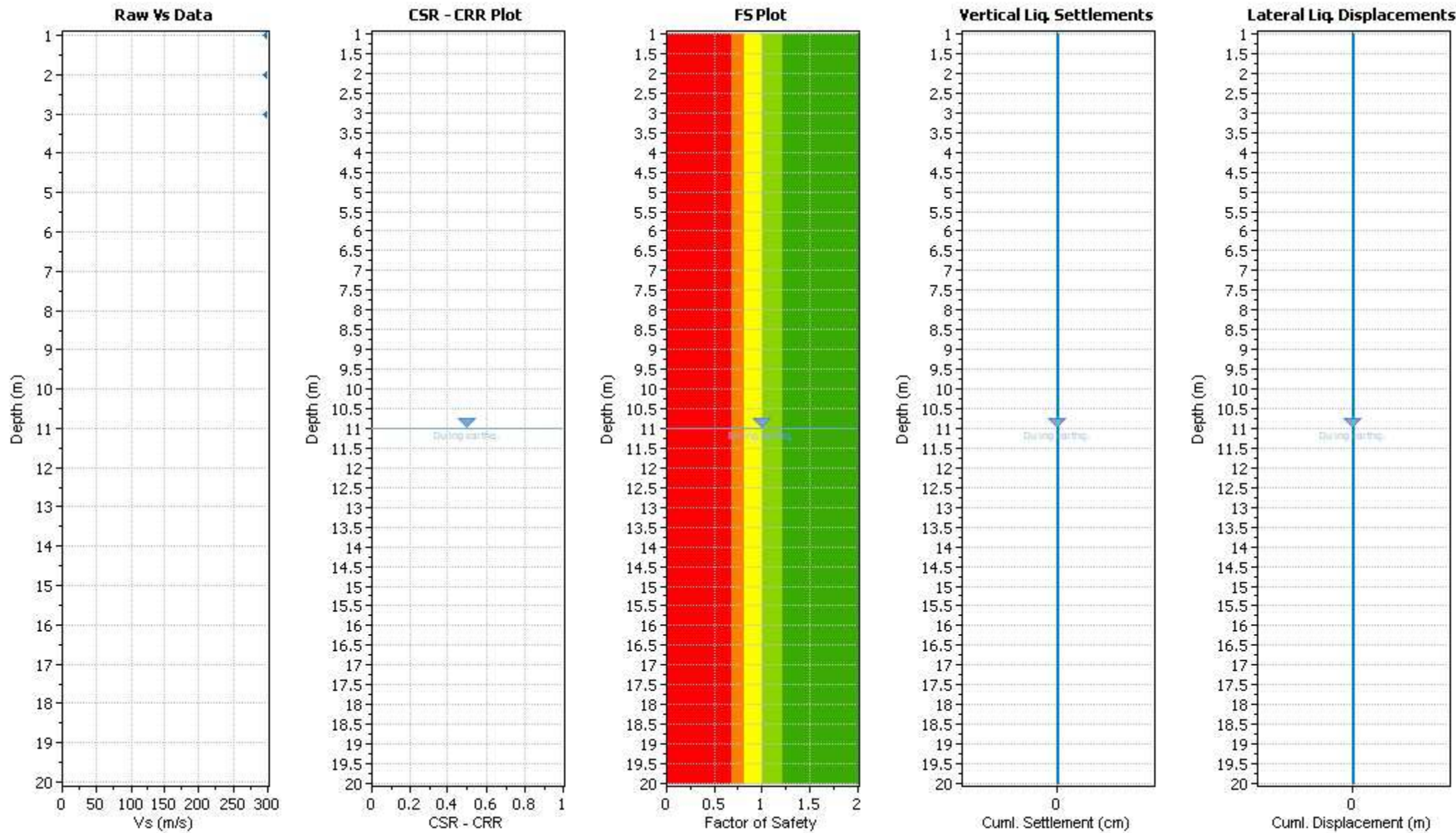
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	300.00	5.00	19.00	1.00	Yes
2.00	300.00	5.00	19.00	2.00	Yes
3.00	300.00	5.00	19.00	3.00	Yes
4.00	450.00	5.00	20.00	4.00	Yes
5.00	450.00	5.00	20.00	5.00	Yes
6.00	450.00	5.00	20.00	6.00	Yes
7.00	450.00	5.00	20.00	7.00	Yes
8.00	450.00	5.00	20.00	8.00	Yes
9.00	450.00	5.00	20.00	9.00	Yes
10.00	450.00	5.00	20.00	10.00	Yes
11.00	450.00	5.00	20.00	11.00	Yes
12.00	450.00	5.00	20.00	12.00	Yes
13.00	450.00	5.00	20.00	13.00	Yes
14.00	450.00	5.00	20.00	14.00	Yes
15.00	450.00	5.00	20.00	15.00	Yes
16.00	450.00	5.00	20.00	16.00	Yes
17.00	450.00	5.00	20.00	17.00	Yes
18.00	450.00	5.00	20.00	18.00	Yes
19.00	450.00	5.00	20.00	19.00	Yes
20.00	450.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

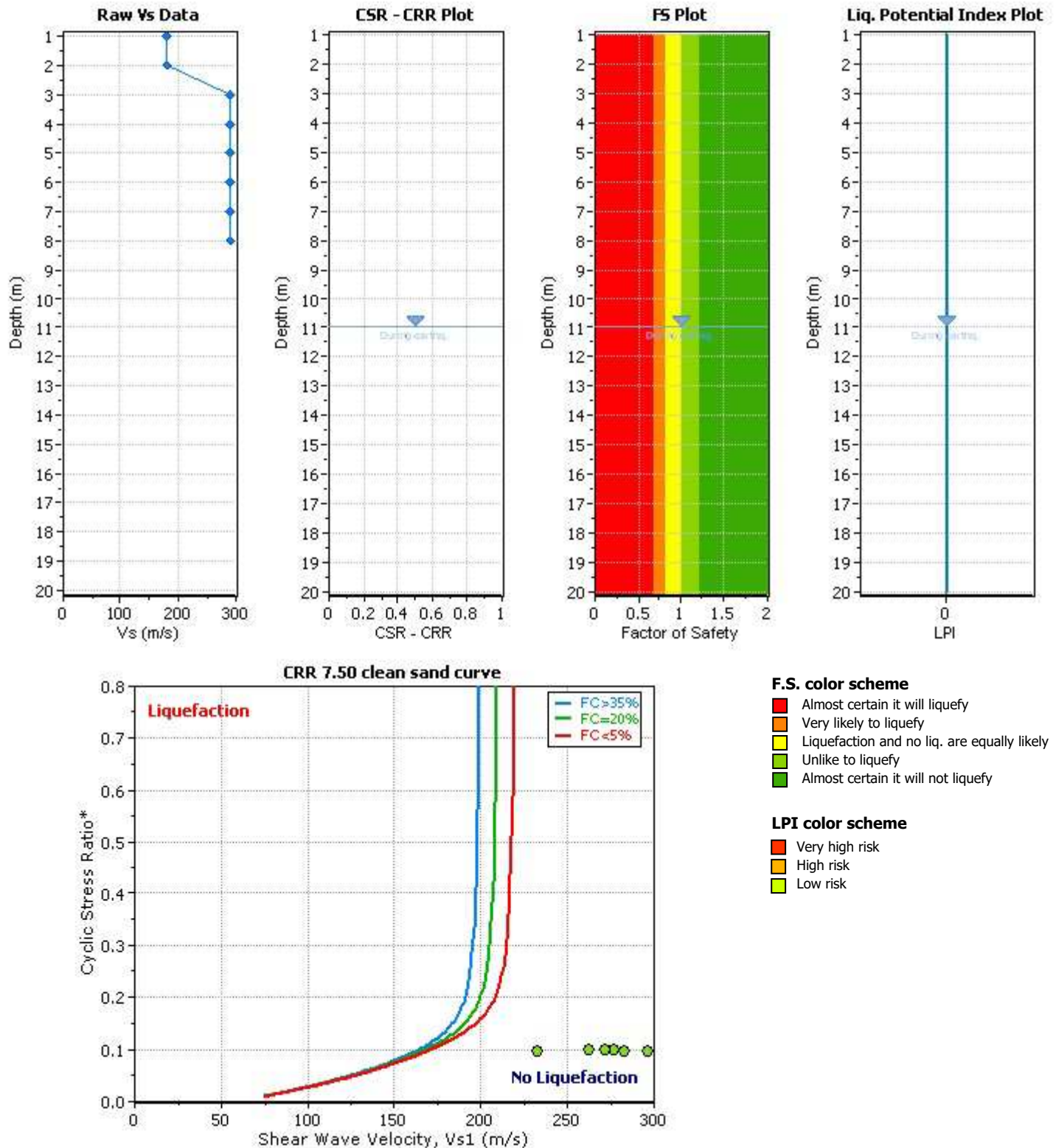
Project title :

V_s Name: L239

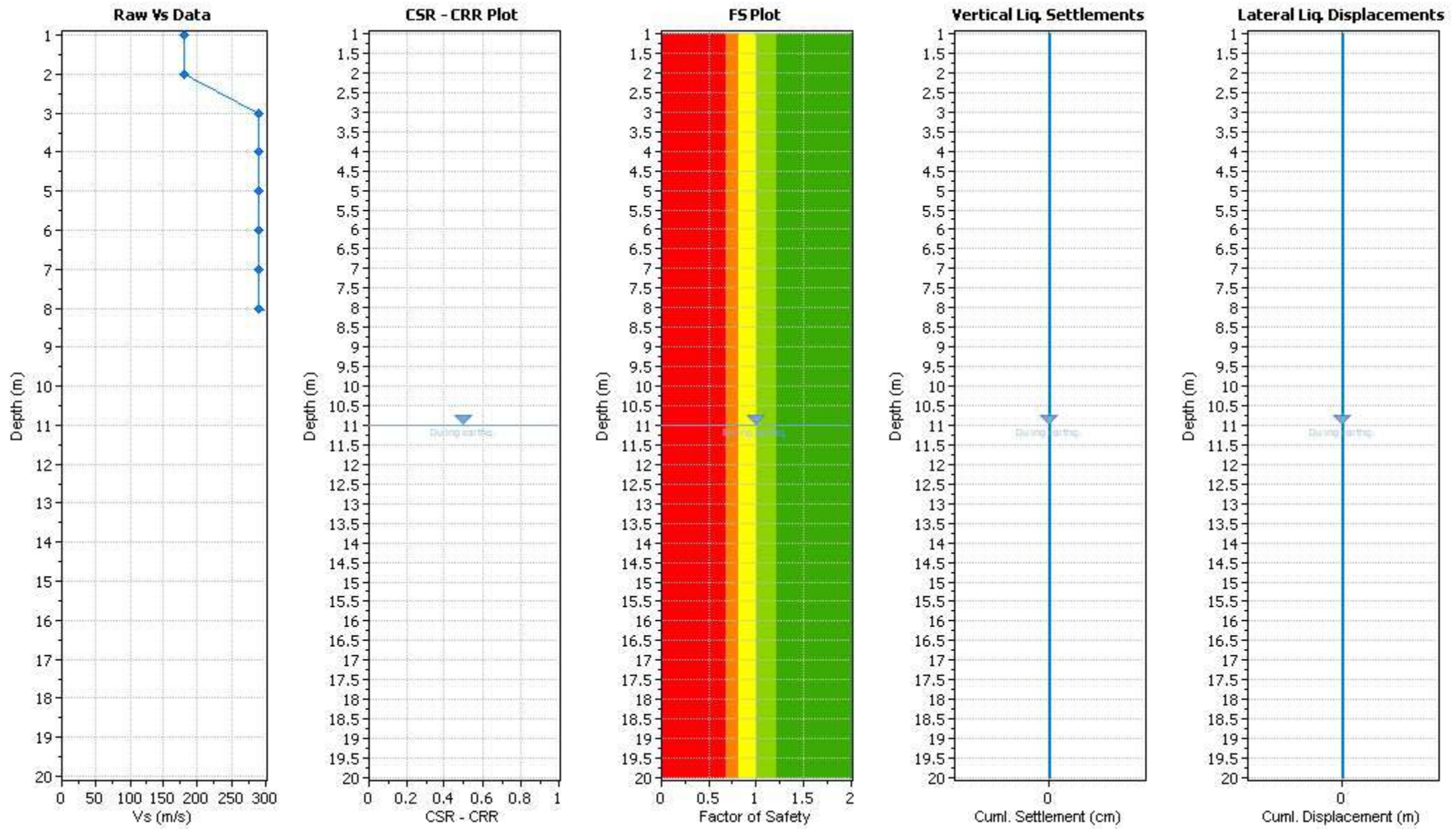
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	180.00	5.00	18.00	1.00	Yes
2.00	180.00	5.00	18.00	2.00	Yes
3.00	290.00	5.00	19.00	3.00	Yes
4.00	290.00	5.00	19.00	4.00	Yes
5.00	290.00	5.00	19.00	5.00	Yes
6.00	290.00	5.00	19.00	6.00	Yes
7.00	290.00	5.00	19.00	7.00	Yes
8.00	290.00	5.00	19.00	8.00	Yes
9.00	480.00	5.00	20.00	9.00	Yes
10.00	480.00	5.00	20.00	10.00	Yes
11.00	480.00	5.00	20.00	11.00	Yes
12.00	480.00	5.00	20.00	12.00	Yes
13.00	480.00	5.00	20.00	13.00	Yes
14.00	480.00	5.00	20.00	14.00	Yes
15.00	480.00	5.00	20.00	15.00	Yes
16.00	480.00	5.00	20.00	16.00	Yes
17.00	480.00	5.00	20.00	17.00	Yes
18.00	480.00	5.00	20.00	18.00	Yes
19.00	480.00	5.00	20.00	19.00	Yes
20.00	480.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

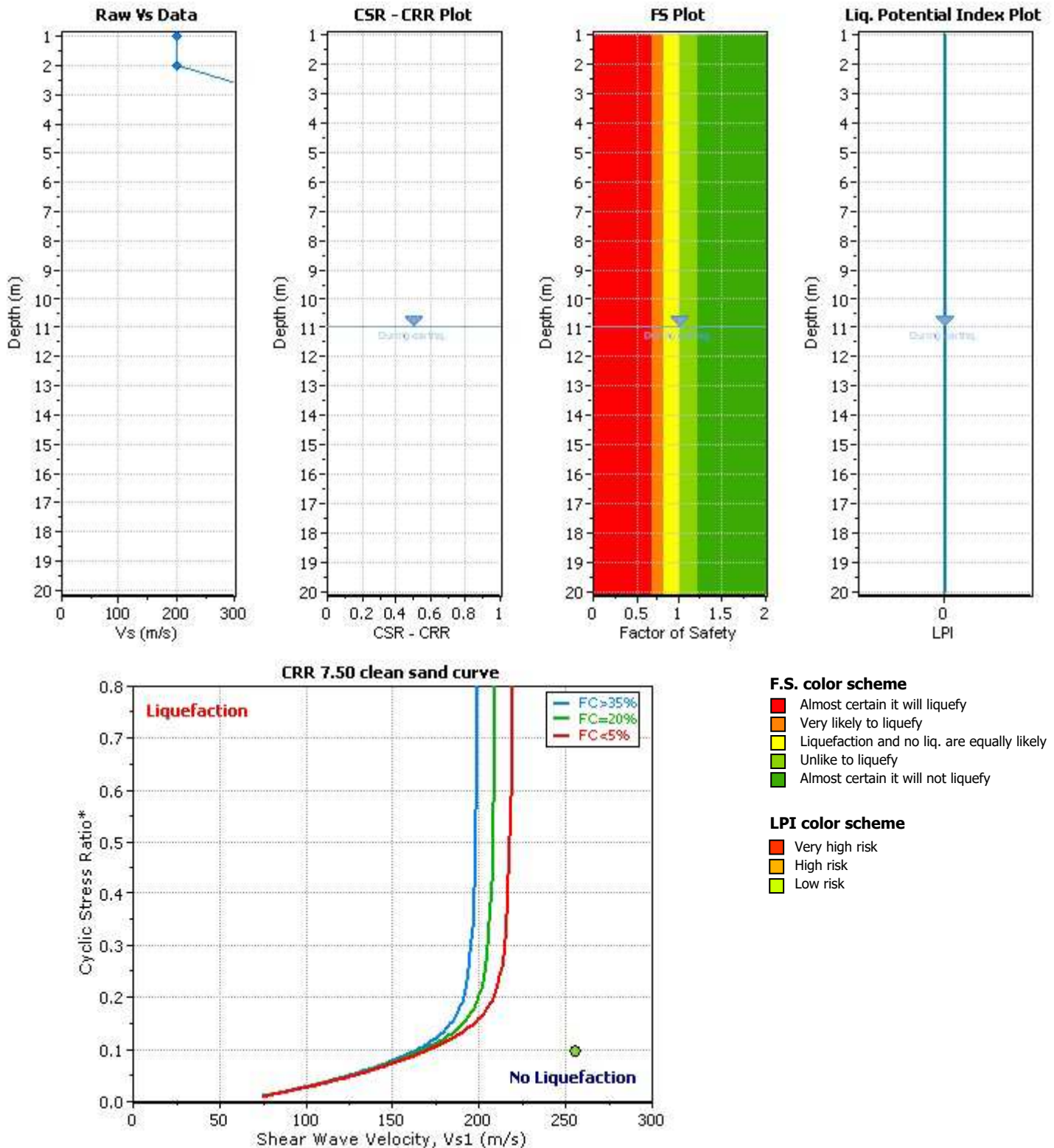
Project title :

V_s Name: L261

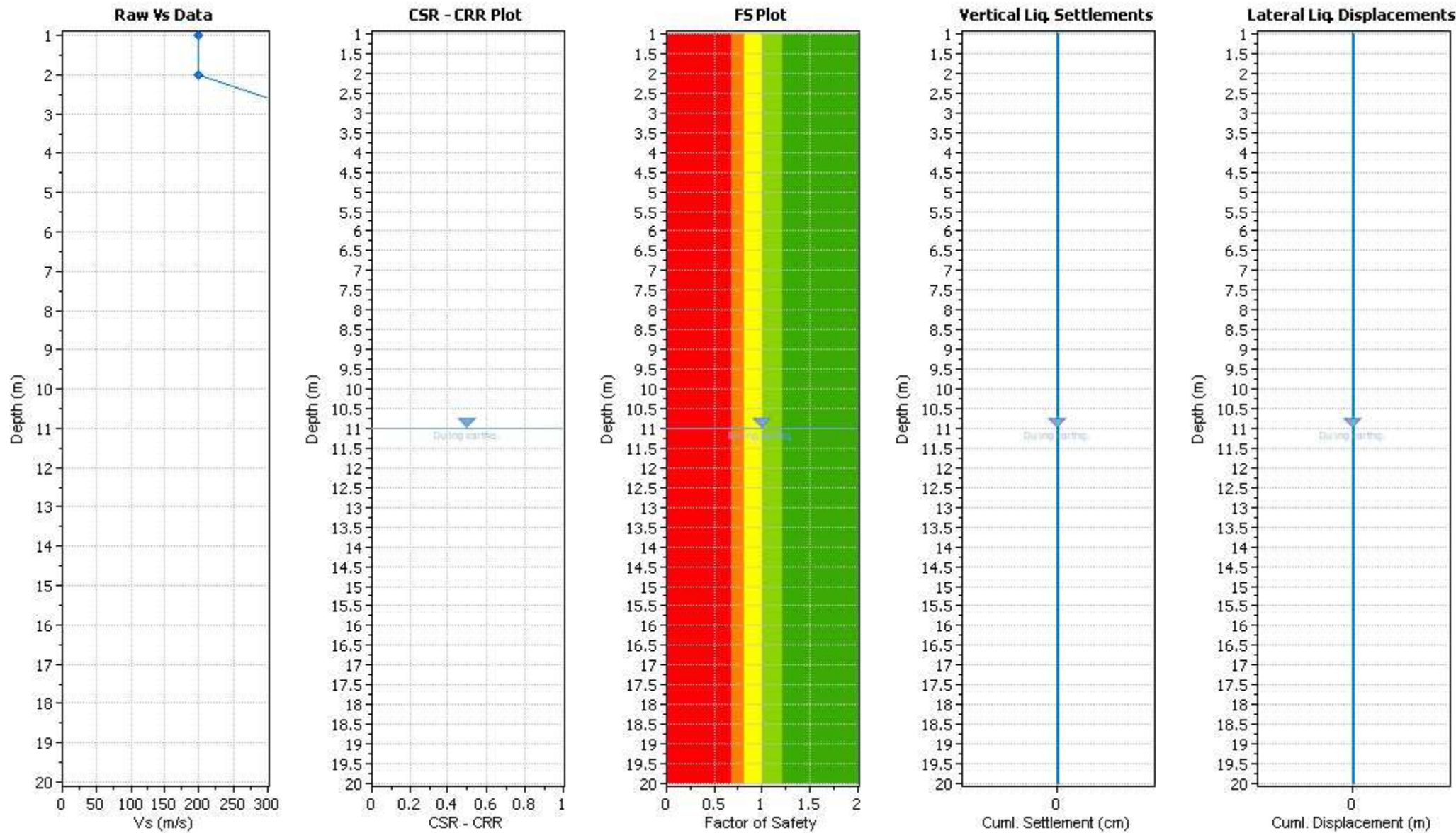
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	200.00	5.00	19.00	1.00	Yes
2.00	200.00	5.00	19.00	2.00	Yes
3.00	370.00	5.00	19.00	3.00	Yes
4.00	370.00	5.00	19.00	4.00	Yes
5.00	370.00	5.00	19.00	5.00	Yes
6.00	370.00	5.00	19.00	6.00	Yes
7.00	370.00	5.00	19.00	7.00	Yes
8.00	370.00	5.00	19.00	8.00	Yes
9.00	370.00	5.00	19.00	9.00	Yes
10.00	480.00	5.00	20.00	10.00	Yes
11.00	480.00	5.00	20.00	11.00	Yes
12.00	480.00	5.00	20.00	12.00	Yes
13.00	480.00	5.00	20.00	13.00	Yes
14.00	480.00	5.00	20.00	14.00	Yes
15.00	480.00	5.00	20.00	15.00	Yes
16.00	480.00	5.00	20.00	16.00	Yes
17.00	480.00	5.00	20.00	17.00	Yes
18.00	480.00	5.00	20.00	18.00	Yes
19.00	480.00	5.00	20.00	19.00	Yes
20.00	480.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::					
Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain

V_s BASED LIQUEFACTION ANALYSIS REPORT

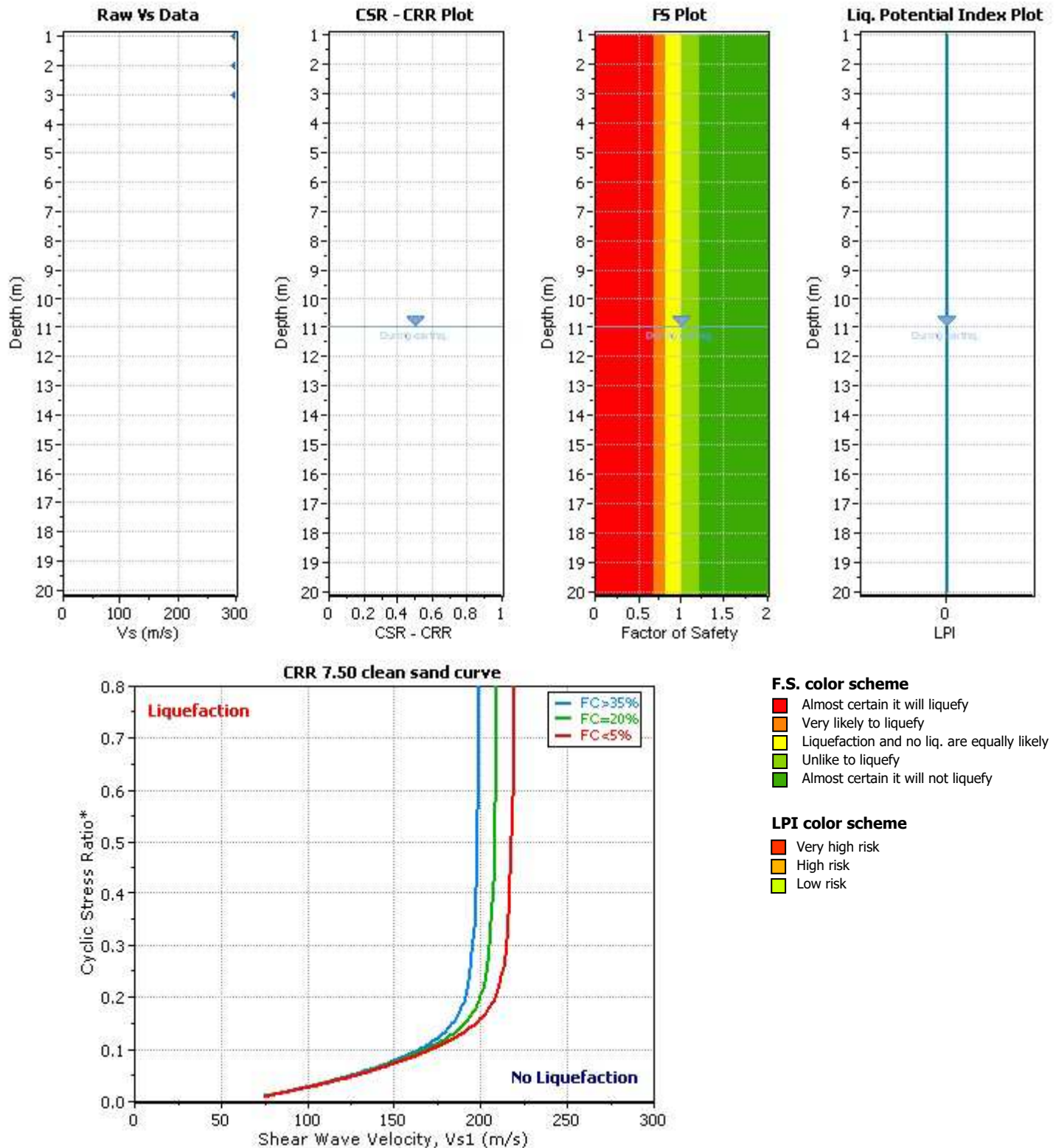
Project title :

V_s Name: L265

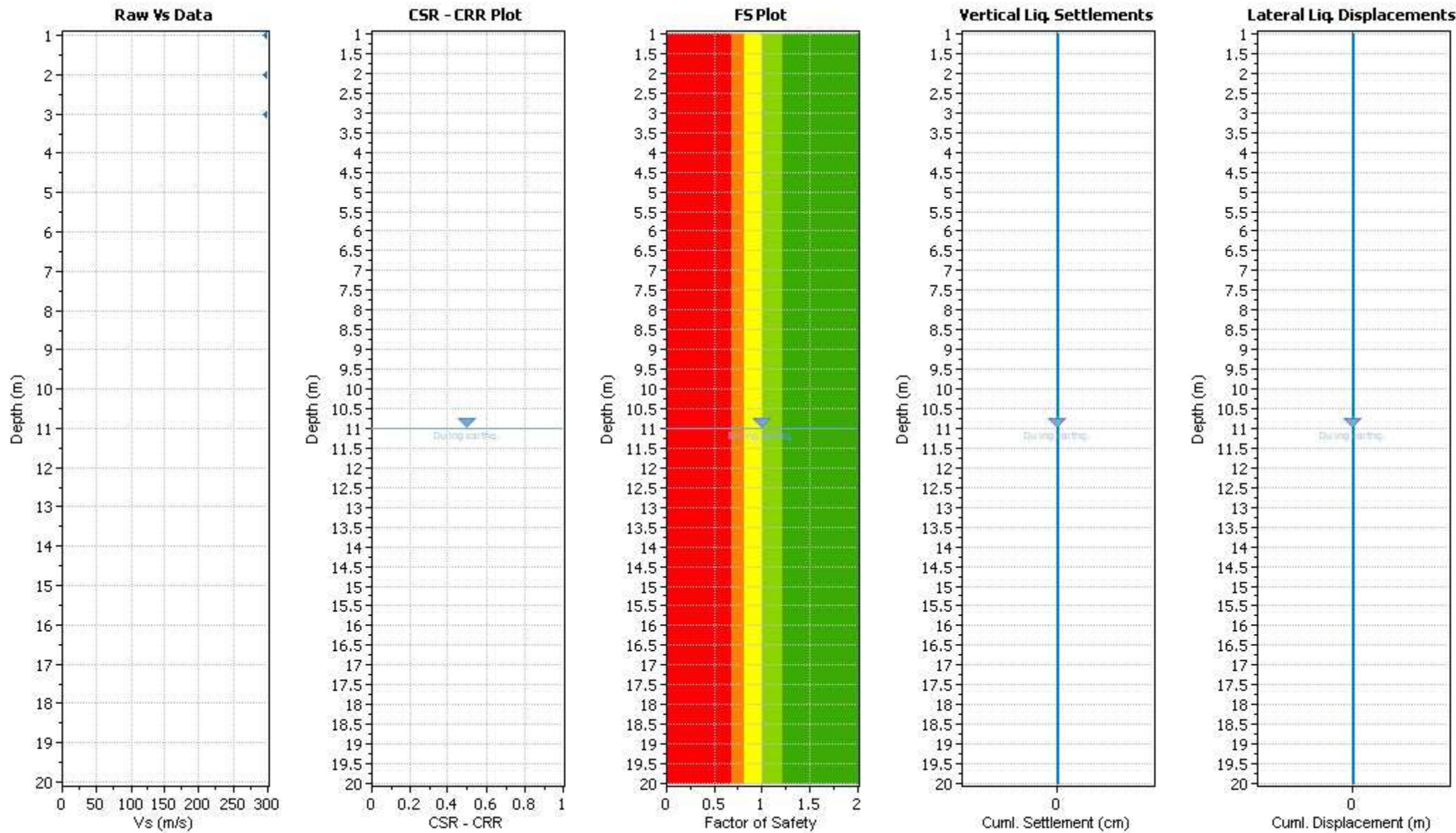
Location :

:: Input parameters and analysis properties ::

Analysis method: NCEER 1998 (Youd et al. 2001)
G.W.T. (in-situ): 12.00 m
G.W.T. (earthq.): 11.00 m
Earthquake magnitude M_w : 6.60
Peak ground acceleration: 0.21 g
Eq. external load: 0.00 kPa



:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (m)	V _s Field Value (m/s)	Fines Content (%)	Unit Weight (kN/m ³)	Infl. Thickness (m)	Can Liquefy
1.00	300.00	5.00	19.00	1.00	Yes
2.00	300.00	5.00	19.00	2.00	Yes
3.00	300.00	5.00	19.00	3.00	Yes
4.00	450.00	5.00	20.00	4.00	Yes
5.00	450.00	5.00	20.00	5.00	Yes
6.00	520.00	5.00	20.00	6.00	Yes
7.00	520.00	5.00	20.00	7.00	Yes
8.00	520.00	5.00	20.00	8.00	Yes
9.00	520.00	5.00	20.00	9.00	Yes
10.00	520.00	5.00	20.00	10.00	Yes
11.00	520.00	5.00	20.00	11.00	Yes
12.00	520.00	5.00	20.00	12.00	Yes
13.00	520.00	5.00	20.00	13.00	Yes
14.00	520.00	5.00	20.00	14.00	Yes
15.00	520.00	5.00	20.00	15.00	Yes
16.00	520.00	5.00	20.00	16.00	Yes
17.00	520.00	5.00	20.00	17.00	Yes
18.00	520.00	5.00	20.00	18.00	Yes
19.00	520.00	5.00	20.00	19.00	Yes
20.00	520.00	5.00	20.00	20.00	Yes

Abbreviations

Depth: Depth at which test was performed (m)
Vs Field Value: Measured shear waves velocity (m/s)
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (kN/m³)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (m)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
1.00	2.000	0.00	9.50	1.00	0.00
2.00	2.000	0.00	9.00	1.00	0.00
3.00	2.000	0.00	8.50	1.00	0.00
4.00	2.000	0.00	8.00	1.00	0.00
5.00	2.000	0.00	7.50	1.00	0.00
6.00	2.000	0.00	7.00	1.00	0.00
7.00	2.000	0.00	6.50	1.00	0.00
8.00	2.000	0.00	6.00	1.00	0.00
9.00	2.000	0.00	5.50	1.00	0.00
10.00	2.000	0.00	5.00	1.00	0.00
11.00	2.000	0.00	4.50	1.00	0.00
12.00	2.000	0.00	4.00	1.00	0.00
13.00	2.000	0.00	3.50	1.00	0.00
14.00	2.000	0.00	3.00	1.00	0.00
15.00	2.000	0.00	2.50	1.00	0.00
16.00	2.000	0.00	2.00	1.00	0.00
17.00	2.000	0.00	1.50	1.00	0.00

:: Liquefaction potential according to Iwasaki ::

Depth (m)	FS	F	wz	Thickness (m)	I _L
18.00	2.000	0.00	1.00	1.00	0.00
19.00	2.000	0.00	0.50	1.00	0.00
20.00	2.000	0.00	0.00	1.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction

I_L between 0.00 and 5 - Liquefaction not probable

I_L between 5 and 15 - Liquefaction probable

I_L > 15 - Liquefaction certain