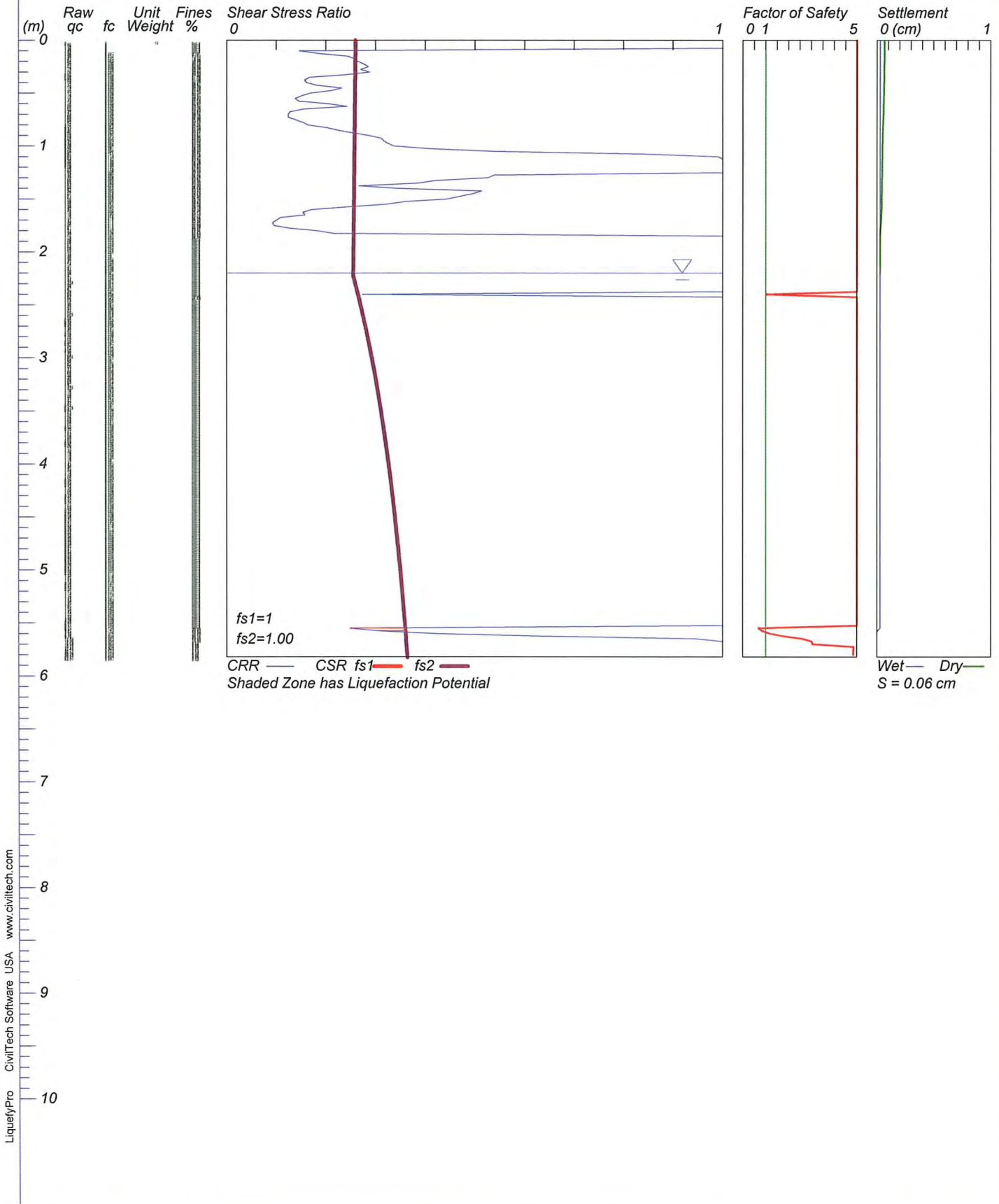


# LIQUEFACTION ANALYSIS

## JACKS POINT - ULS

Hole No.=20 Water Depth=2.2 m Surface Elev.=338.5

Magnitude=8.0  
Acceleration=0.40g

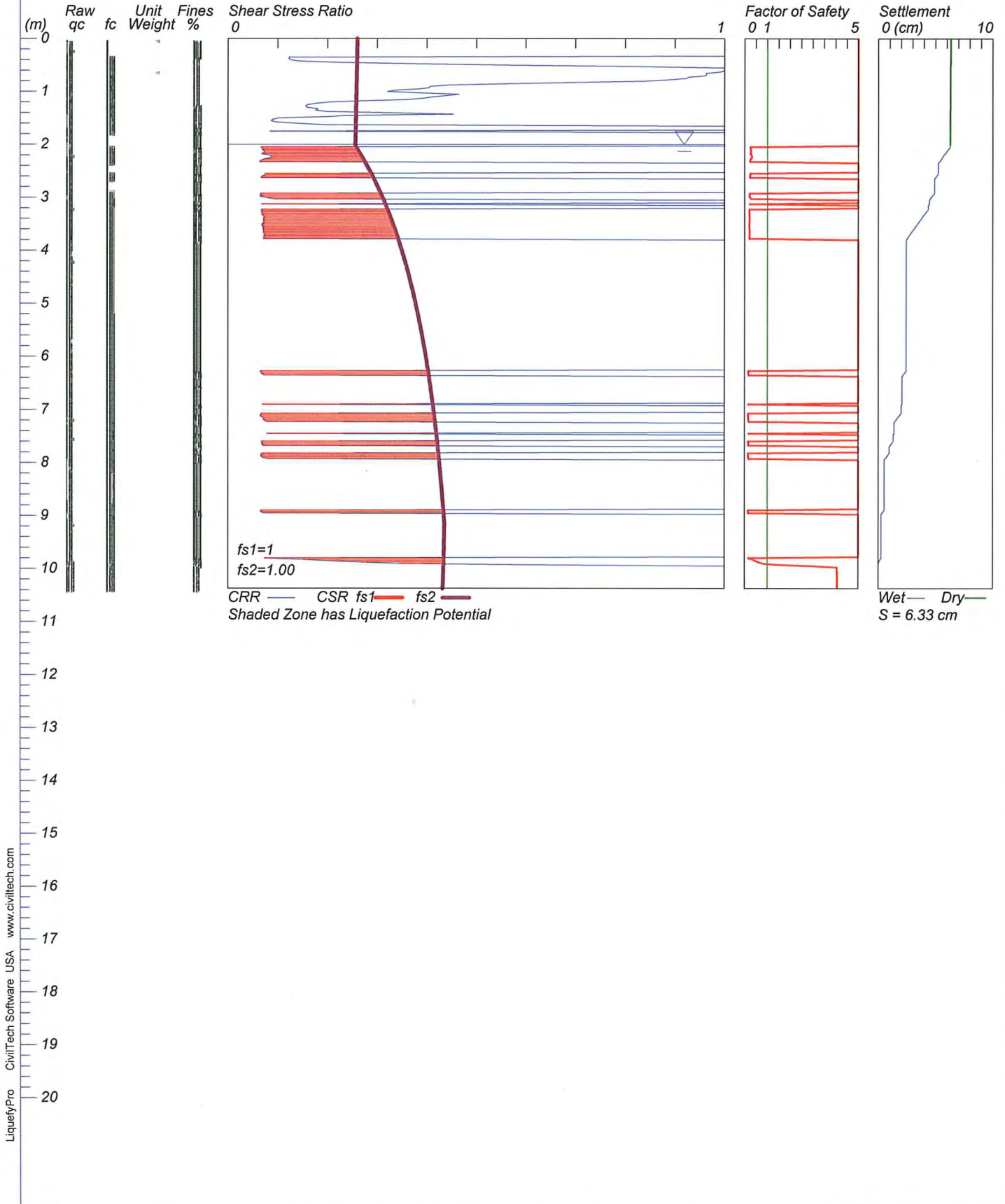


# LIQUEFACTION ANALYSIS

## JACKS POINT - ULS

Hole No.=21 Water Depth=2.0 m Surface Elev.=345.0

Magnitude=8.0  
Acceleration=0.40g

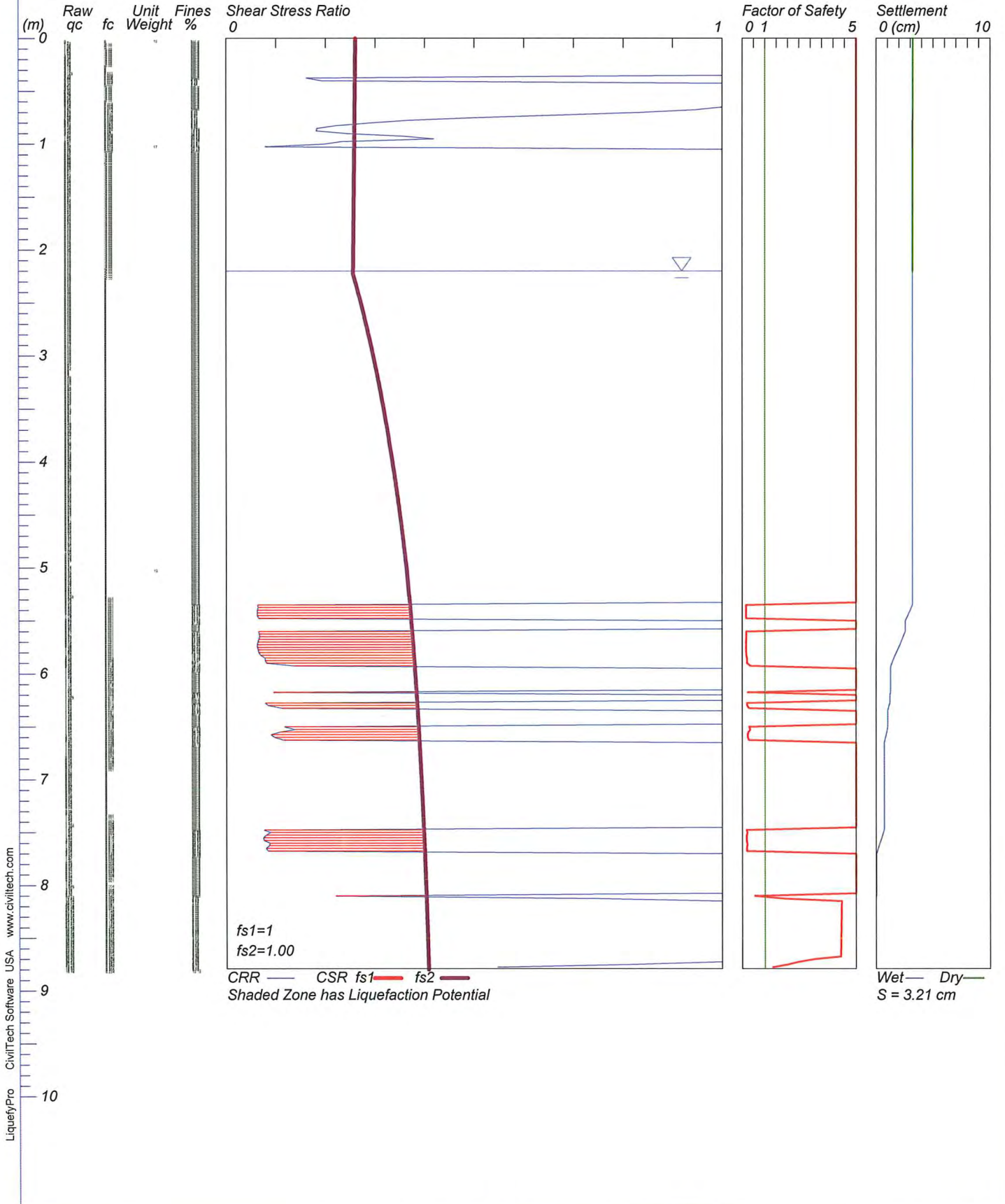


# LIQUEFACTION ANALYSIS

## JACKS POINT - ULS

Hole No.=22 Water Depth=2.2 m Surface Elev.=347.5

Magnitude=8.0  
Acceleration=0.40g



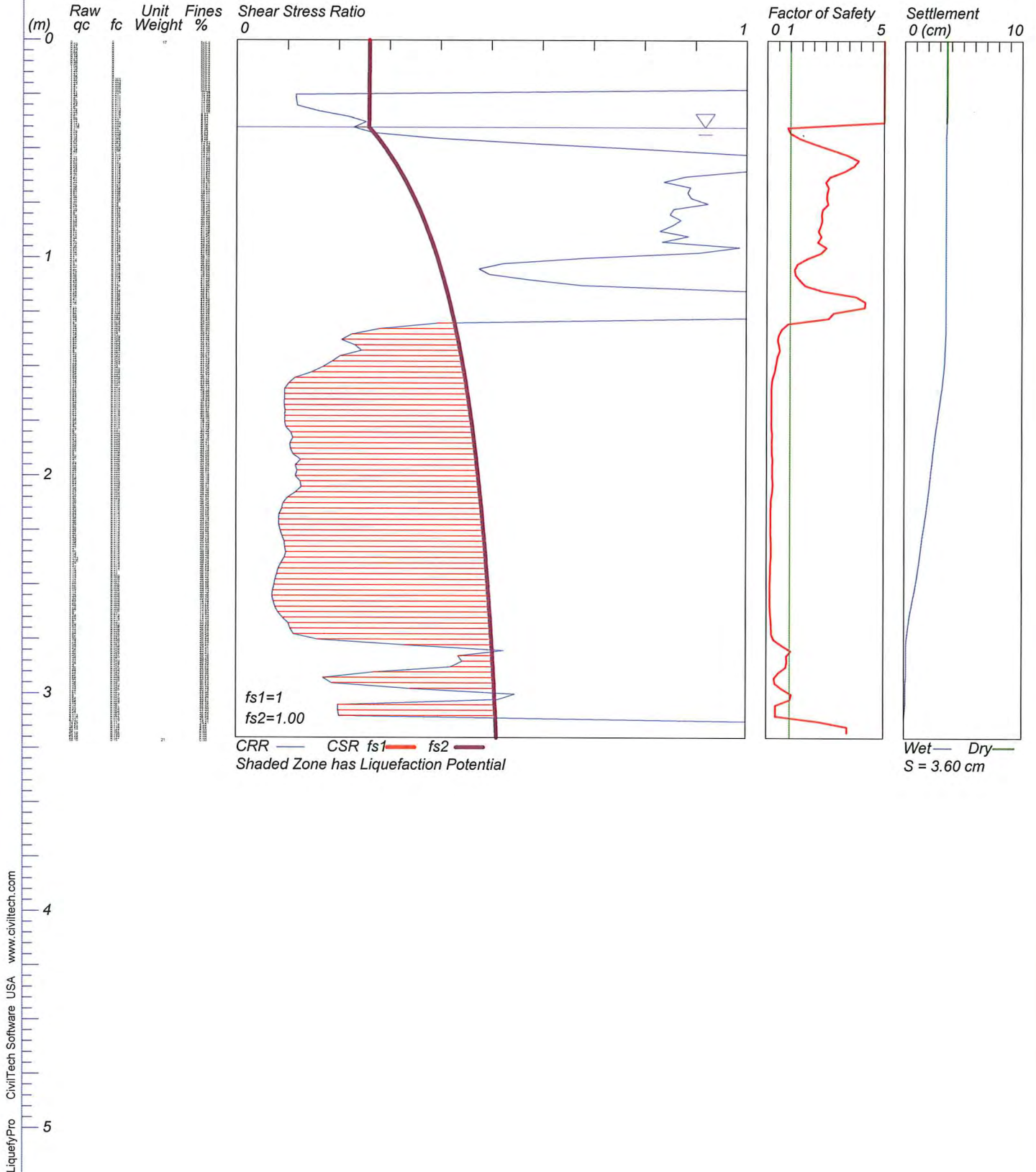
LiquefyPro CivilTech Software USA www.civilttech.com

# LIQUEFACTION ANALYSIS

## JACKS POINT - ULS

Hole No.=23 Water Depth=0.4 m Surface Elev.=349.5

Magnitude=8.0  
Acceleration=0.40g



**Appendix G: Scala Logs, Pocket Penetrometer Results and Shear Vane Results**





















**Figure 2: Table of Pocket Penetrometer and Shear Vane Results**

Test pit number	Test pit depth (m)	Pocket Penetrometer Test Results		Shear Vane Test Results	
		Field Reading (kg/cm <sup>2</sup> )	Estimated Undrained Shear Strength (kPa)	Uncorrected Field Reading	Estimated Undrained Shear Strength (kPa)
TP 1	1.0-1.4	4.5	225	---	---
TP 1	1.4-1.6	2.5	125	---	---
TP 1	1.6-1.8	2.5	125	---	---
TP 1	1.8-1.85	2	100	---	---
TP 1	1.85-1.95	3.5	175	---	---
TP 2	2.5	---	---	6-12	9-19
TP 3	3	0.25	12.5	11-12 / R= 4-5	17-19
TP 4	3.6	---	---	12 / R= 2-3	19
TP 6	3	---	---	11-17 / R=2	17-26
TP 7	3.2	---	---	14-18 / R= 2-3	22-28
TP 27	2.1-2.4	3 (against bedding plane)	150	---	---
TP 27	2.1-2.4	2 (with bedding plane)	100	---	---
TP 27	2.4-3.5	1.5-1.75 (with bedding plane)	75-87.5	---	---
TP 27	2.4-3.5	1.25 (against bedding plane)	60	---	---
TP 29	2.4-2.8	2.5-3.0	125-150	---	---
TP 32	0.2-0.5	approx 2	100	---	---



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