

CONE PENETRATION TEST REPORT

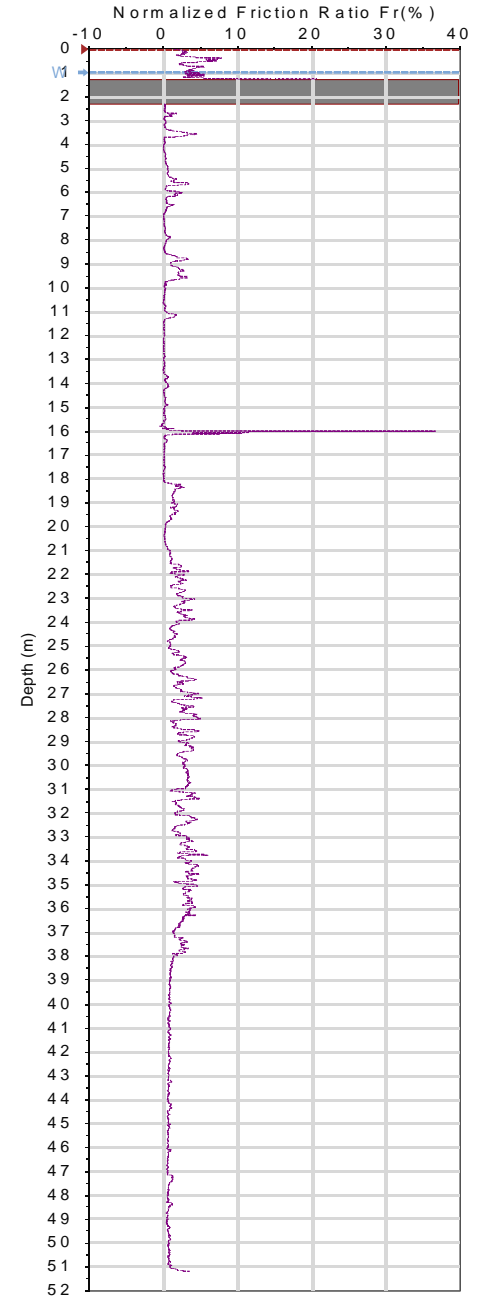
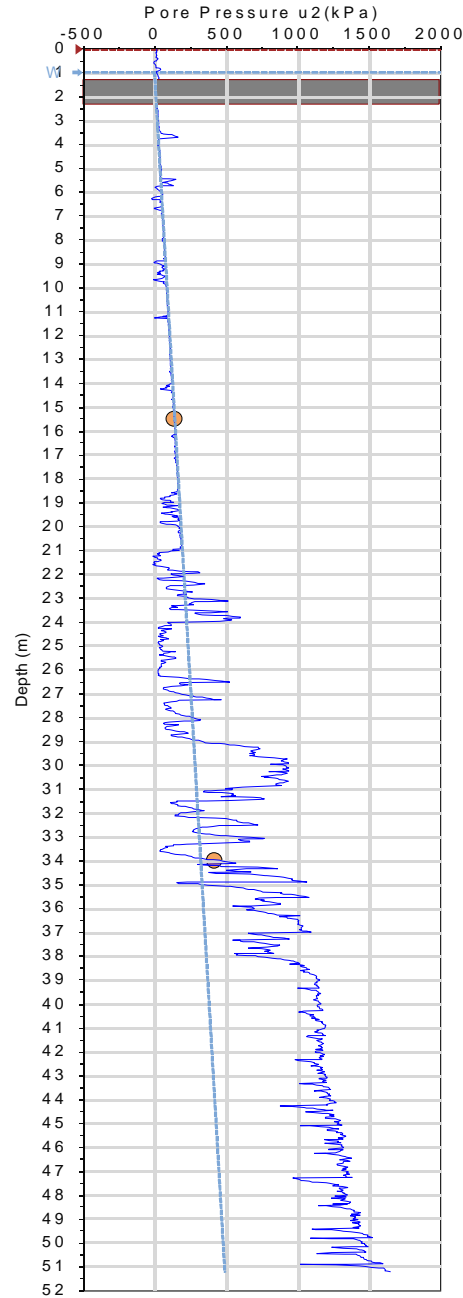
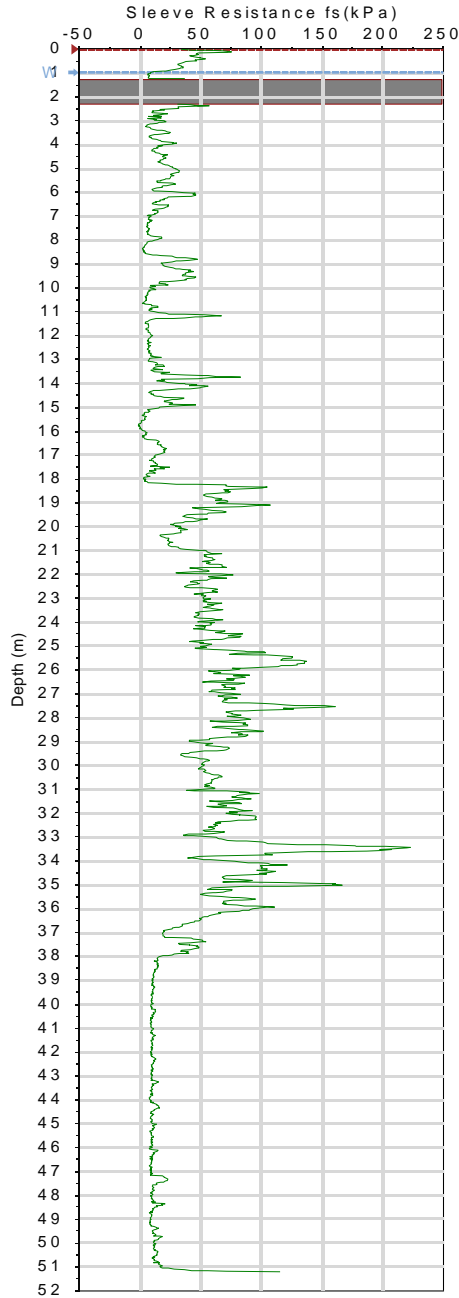
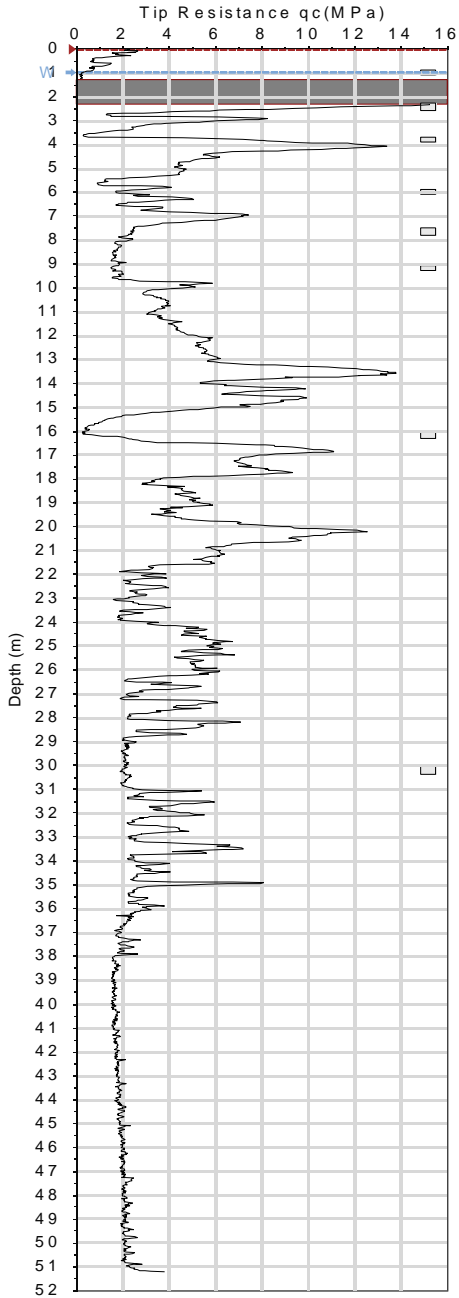


COMPANY NAME
Company Slogan
ABC Consulting Ltd.
Geotechnical Consulting Engineers

Project : NovoCPT Example Project 1
Project No. : 110-252
Client : XYZ Investment Ltd.
Location : Princess Park, North Vancouver
Notes : An example of NovoCPT cone penetration test processing

Borehole : CPT-1
Ground Water Level : 1 m
Coordinates : n.a.
Co-ordinates : X=29.6 , Y=14.1 , Z=99.5
Calculated By : SK

Ground Slope : Free Face L/H=12
PGA = 0.35 g, EQ. Magnitude M = 7
Cone Area Ratio = 0.8
CPT Max. Depth = 51.22 m
Checked By : AA



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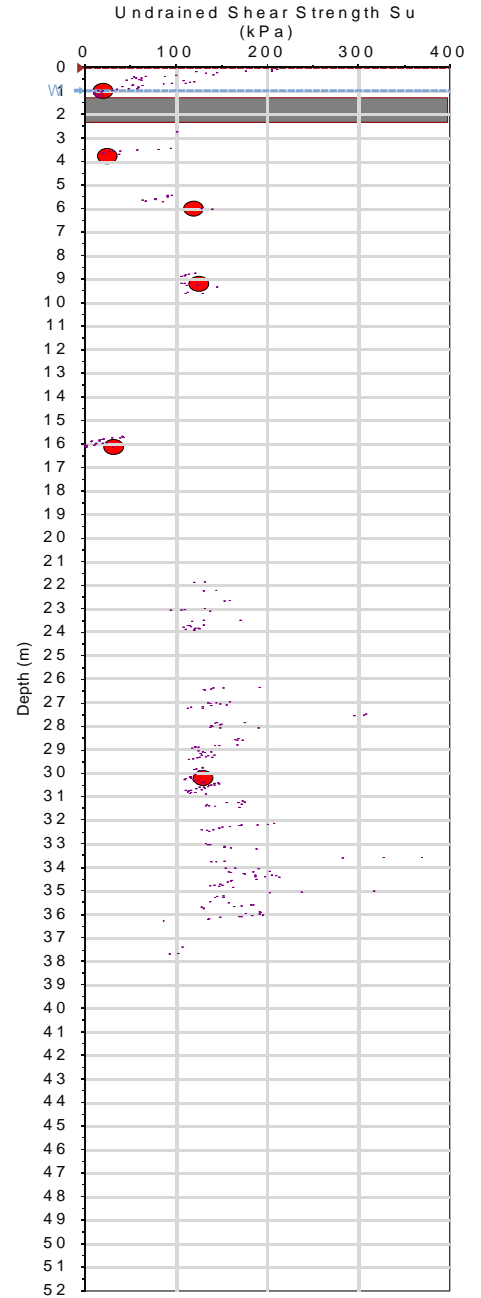
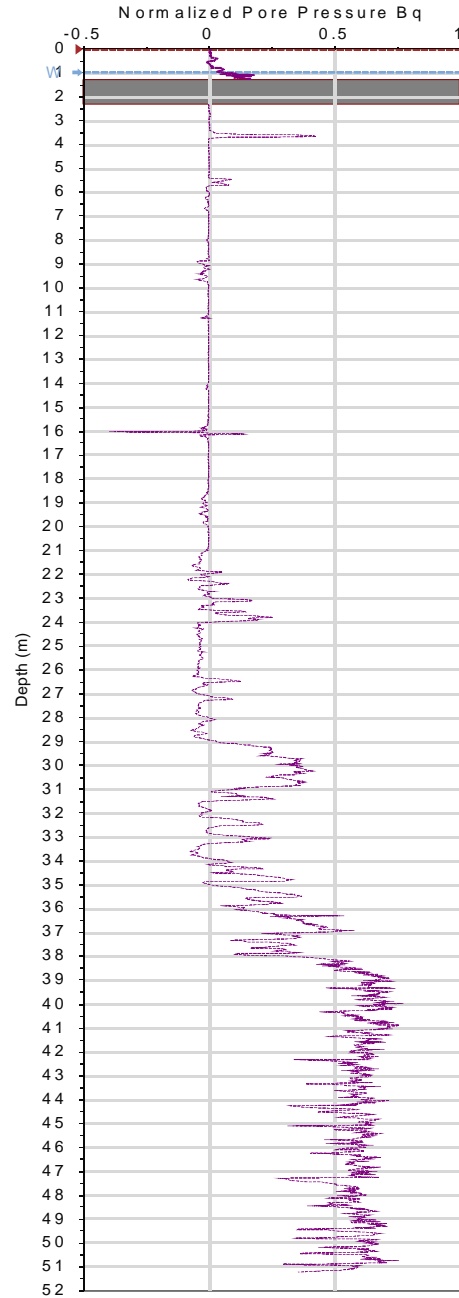
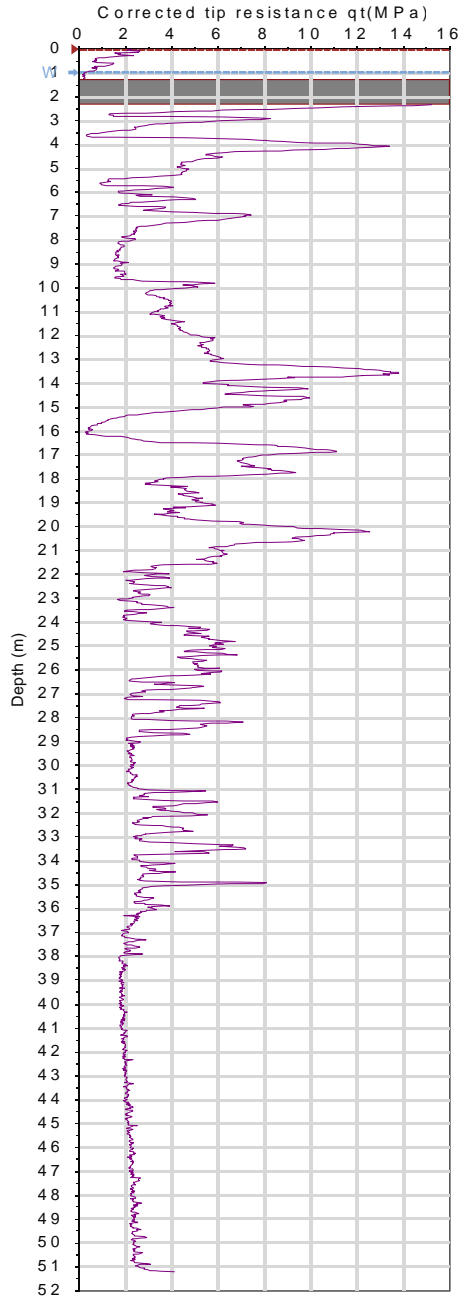
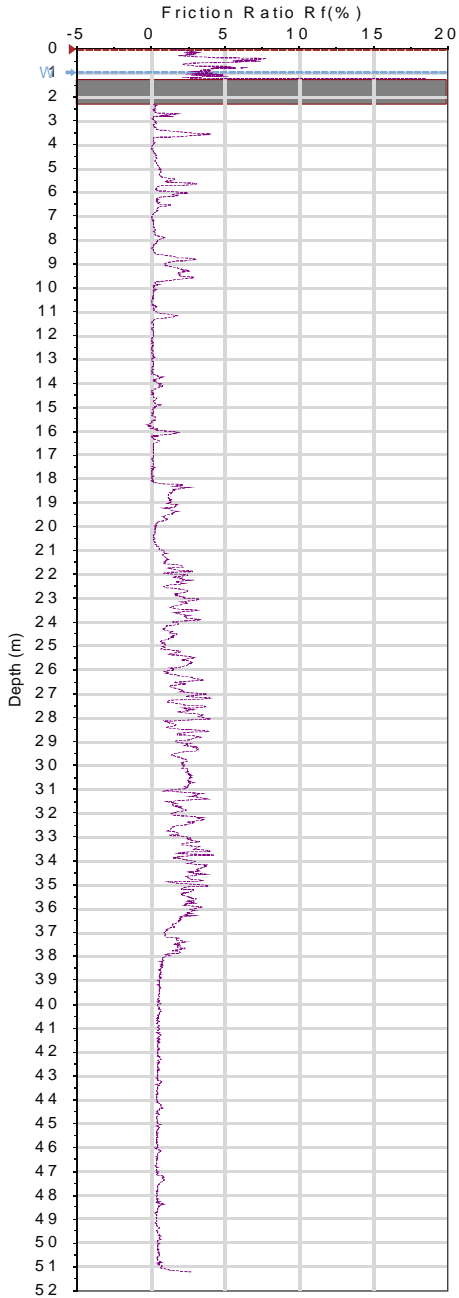


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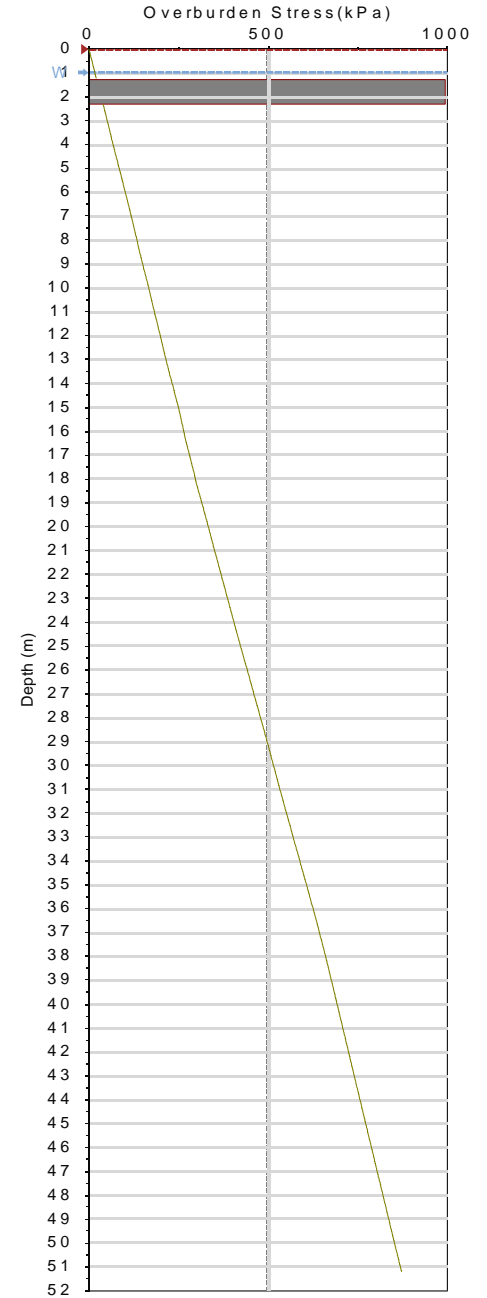
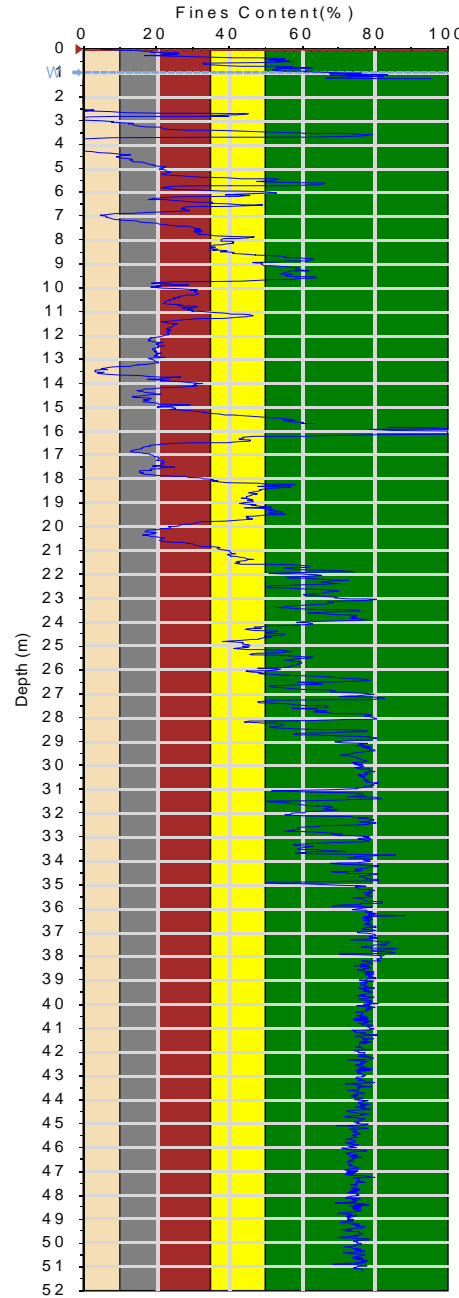
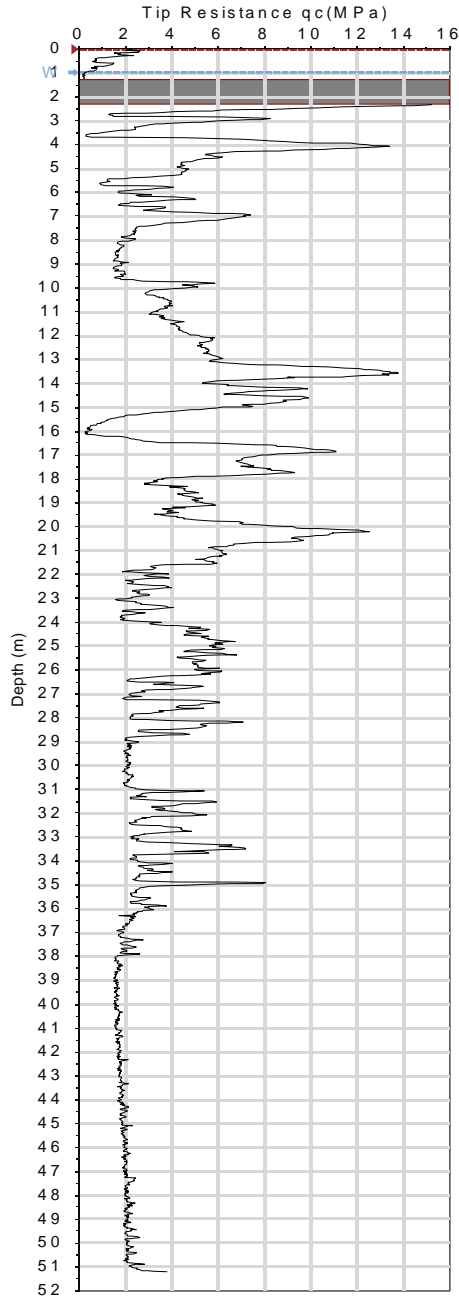
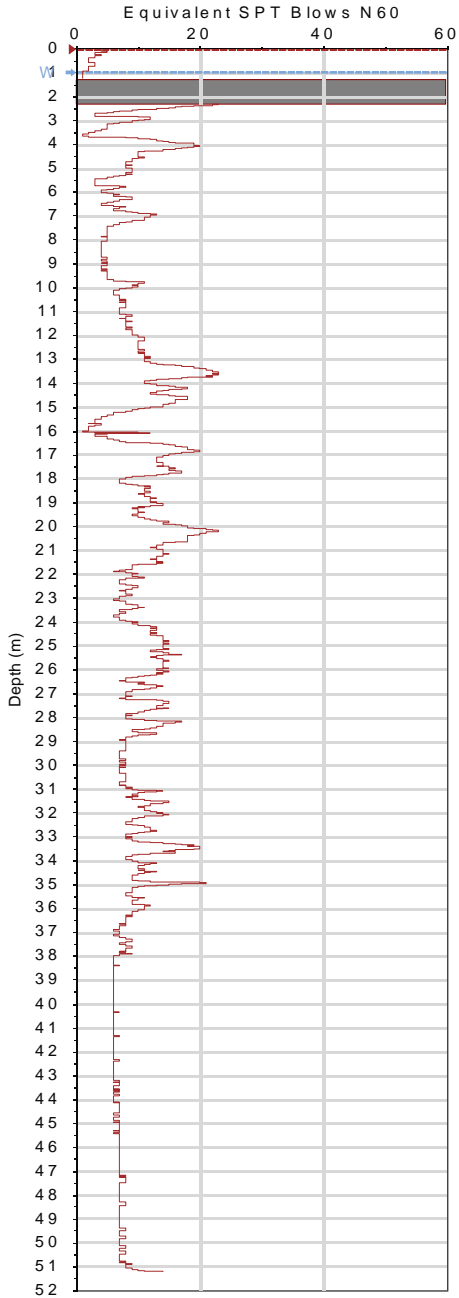


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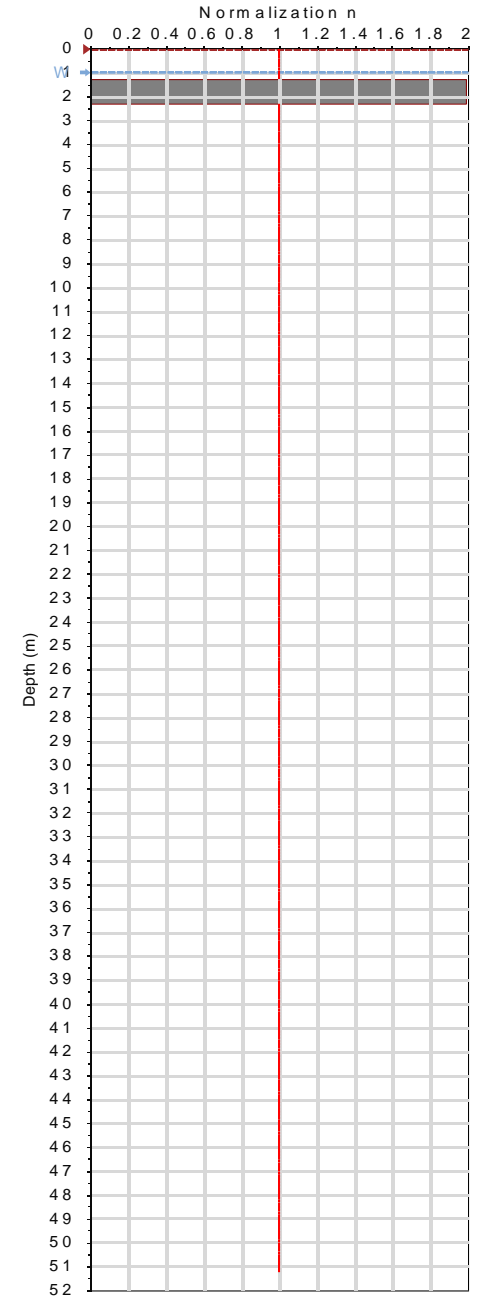
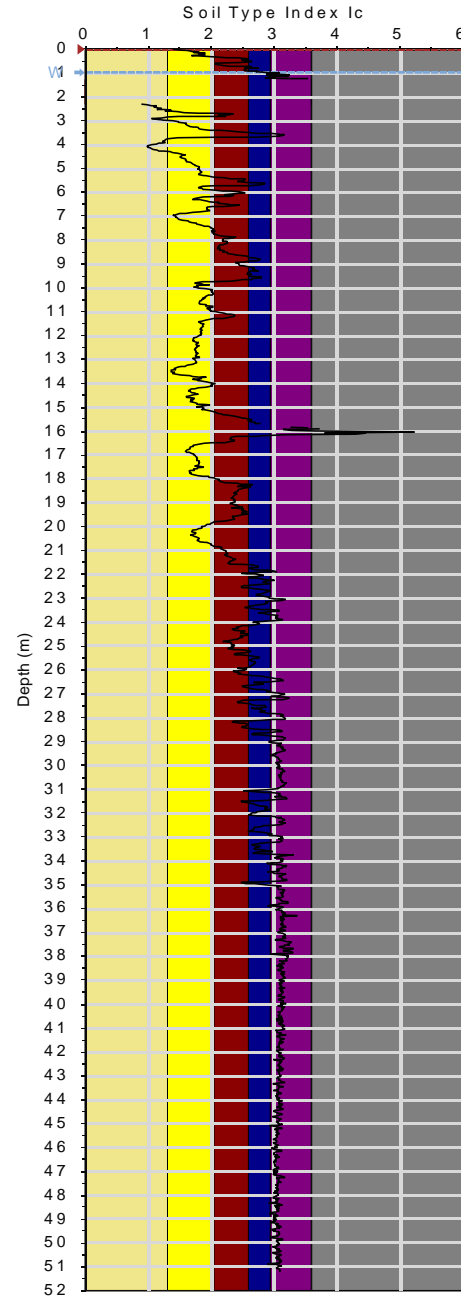
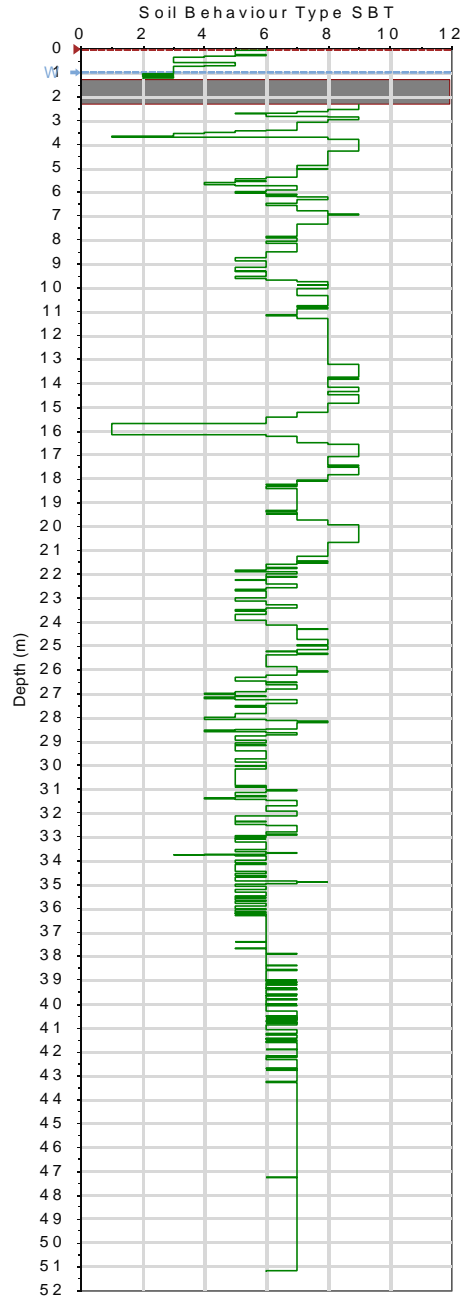
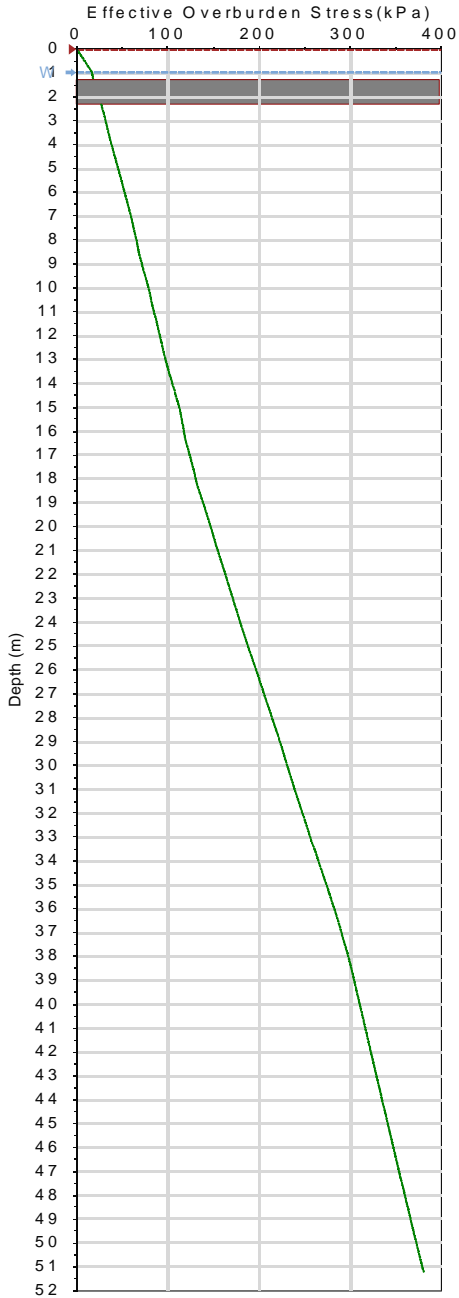


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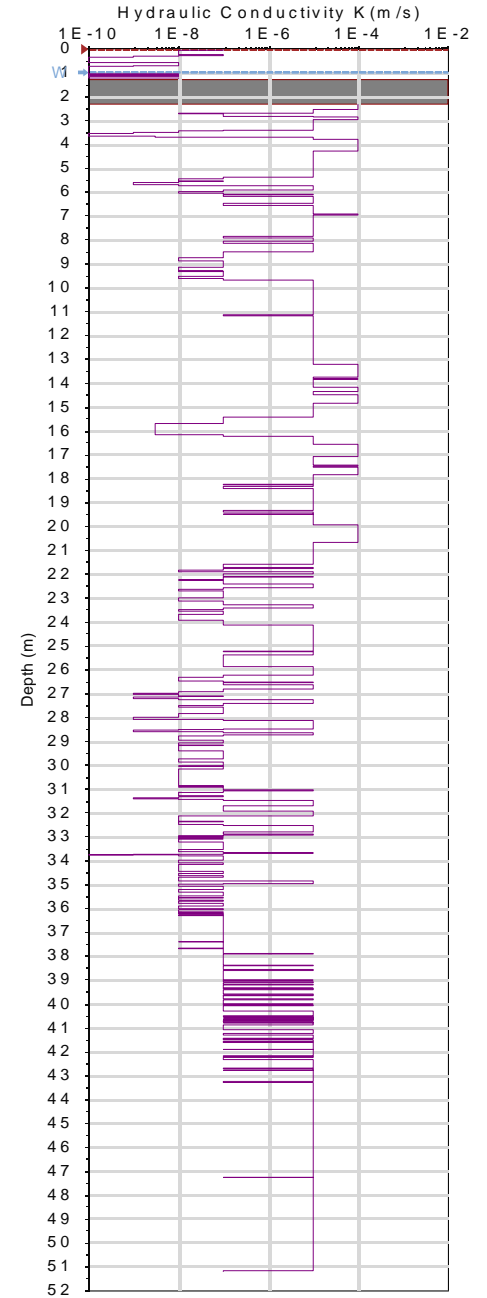
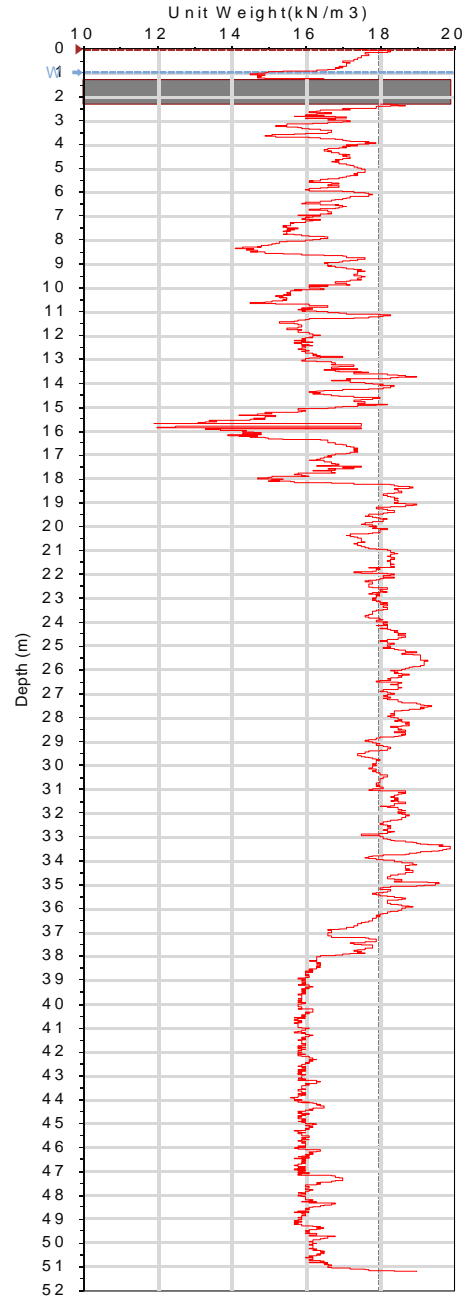
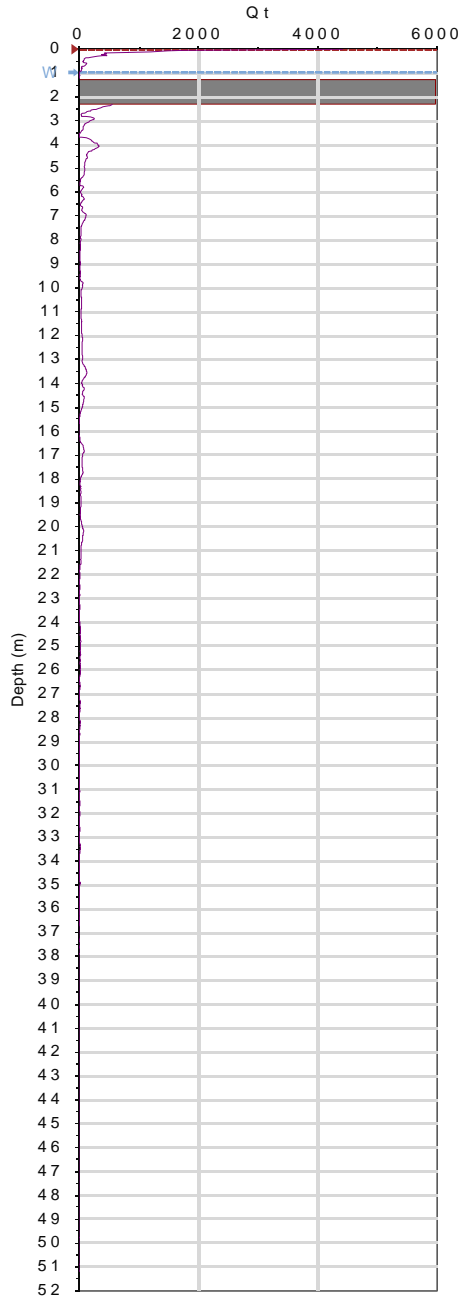
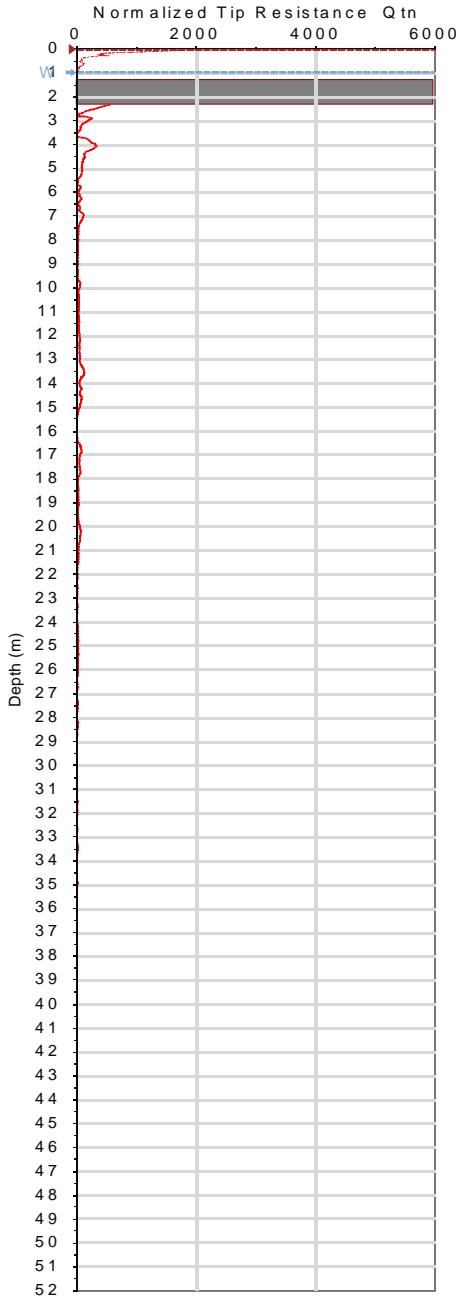


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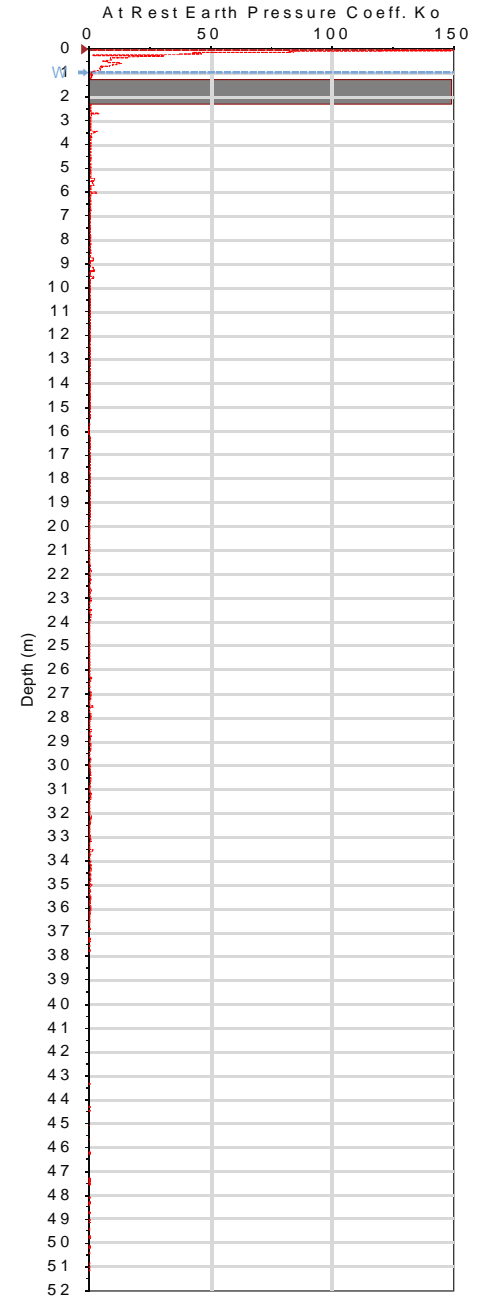
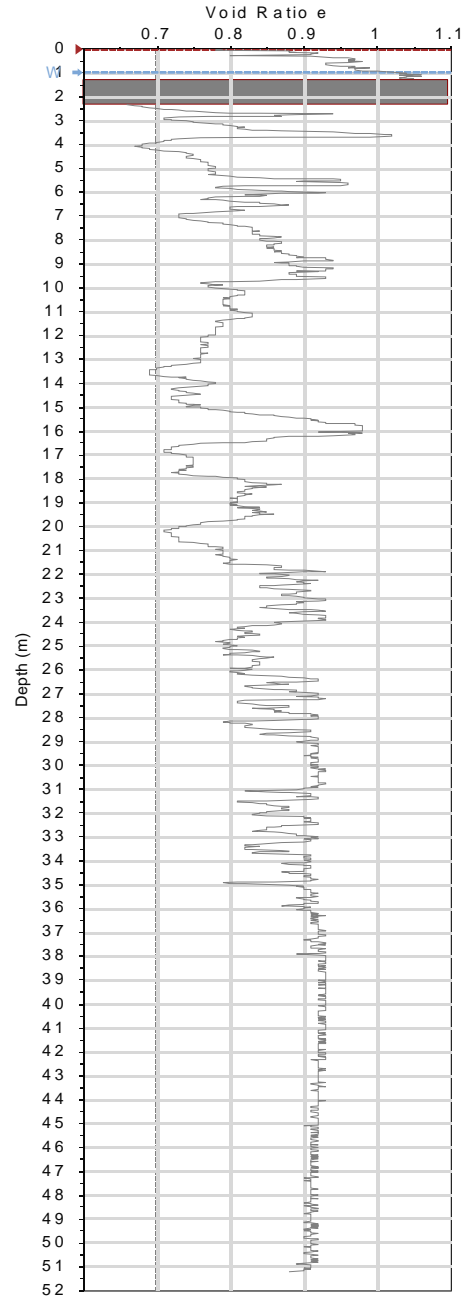
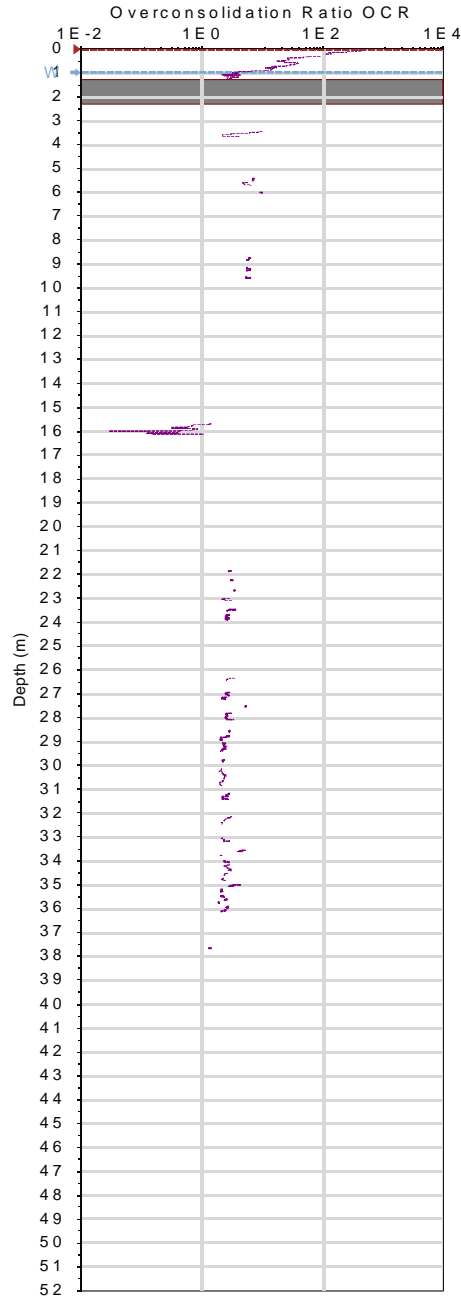
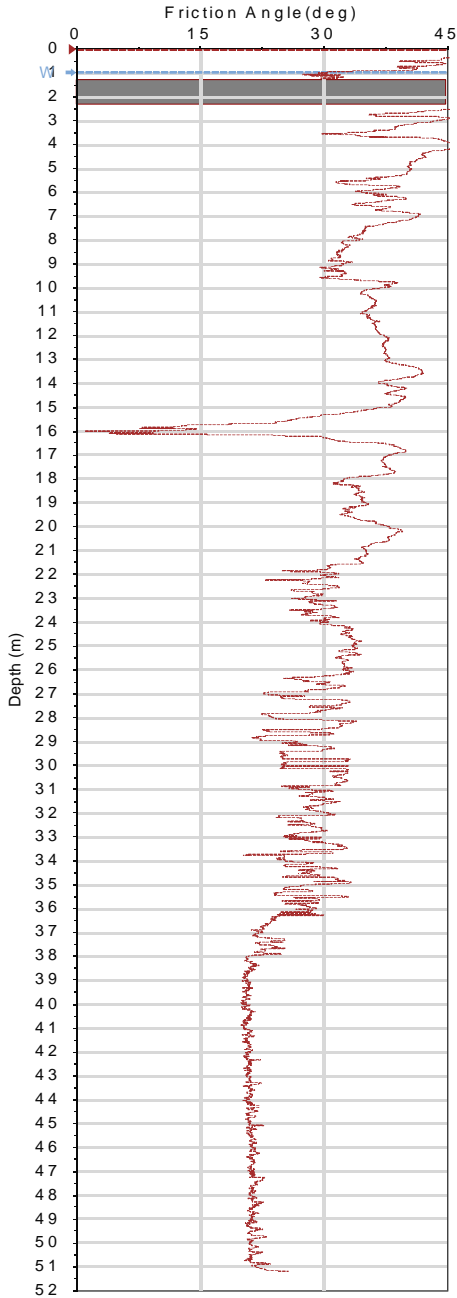


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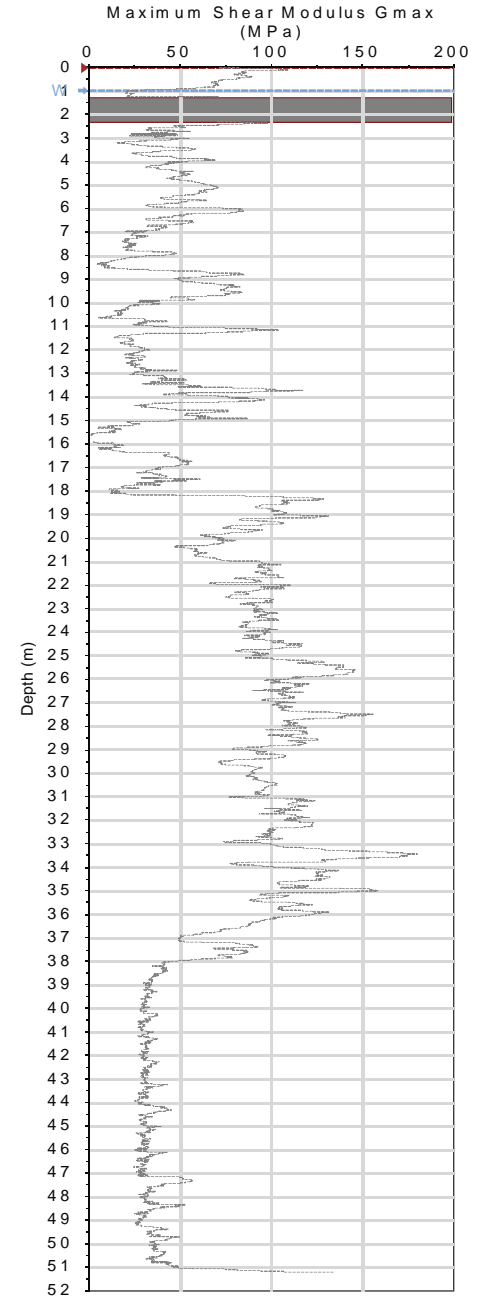
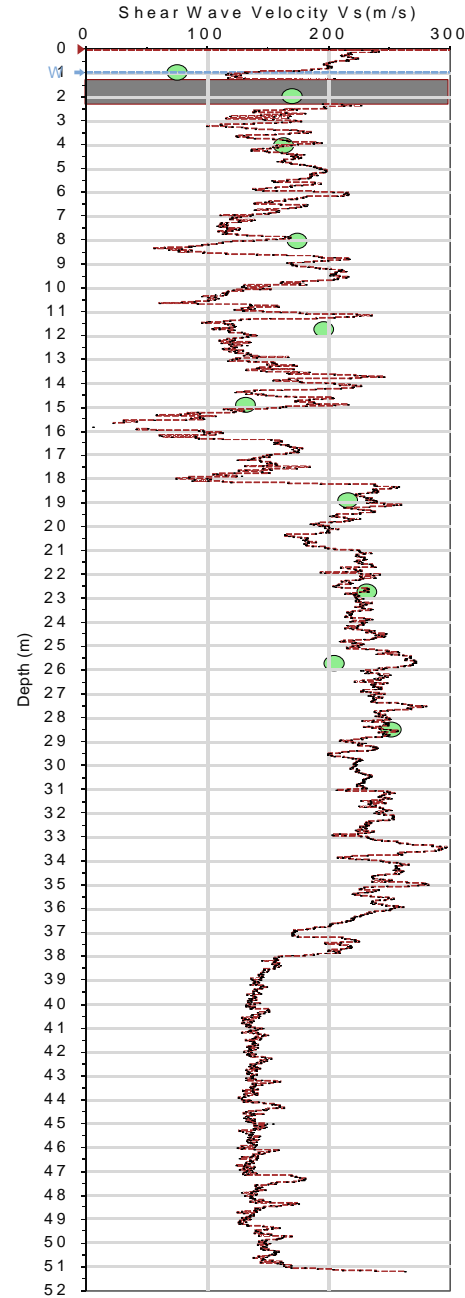
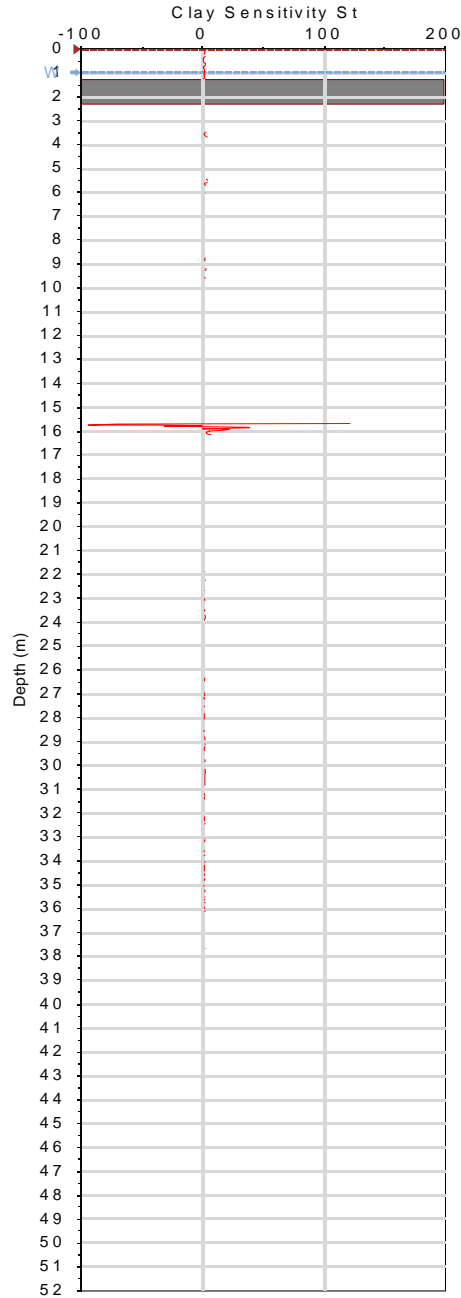
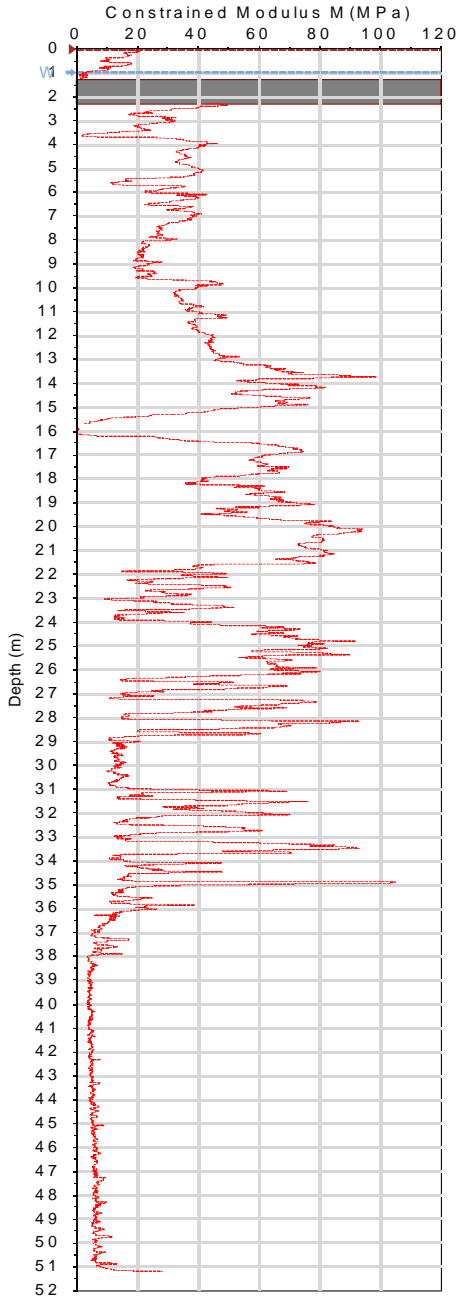
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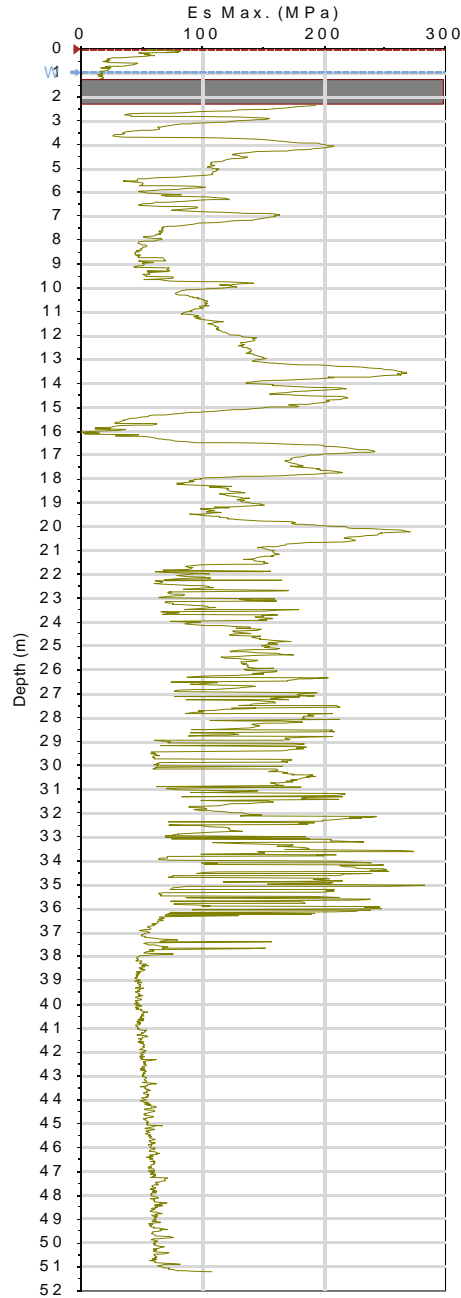
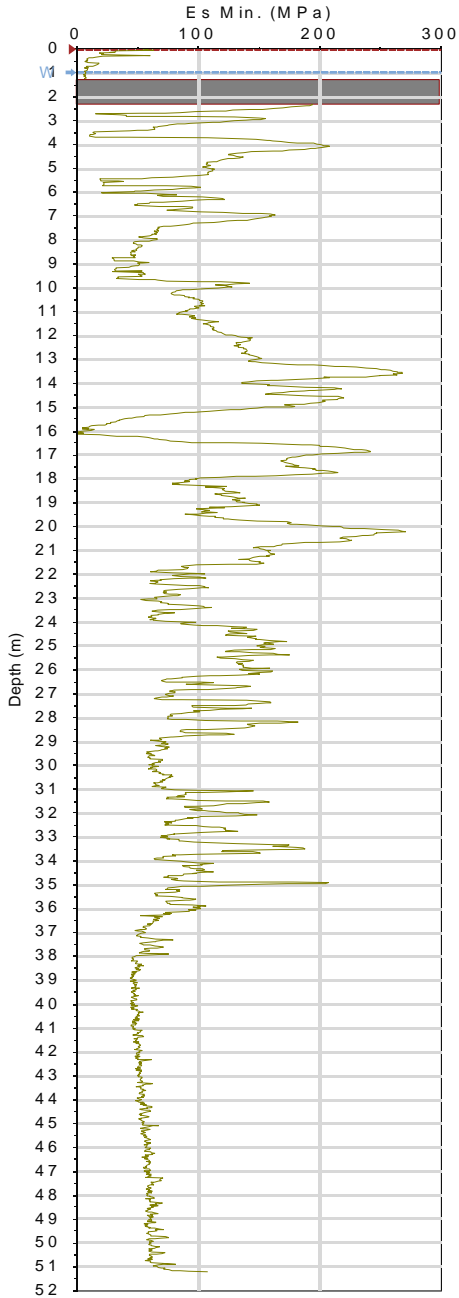
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:: Current Analysis Settings and Correlations

Apply 2009 Robertson Normalization n :
No

N60 :
Jefferies & Davis 1993

Hydraulic Conductivity K :
Robertson et al. 1986 (SBT)

Unit Weight From Rf and qt :
Yes

Shear Wave Velocity Vs :
Mayne 2006c (all soils)

Undrained Shear Strength Su :
use Nk=12.5

Clay Overconsolidation Ratio OCR :
Powell et al. 1998

Sand Overconsolidation Ratio OCR :
Mayne 2005

Clay Friction Angle :
Sunneset et al., 1988 and 1989 (NTH solution)

Sand Friction Angle :
Robertson & Campanella 1983

Clay Young's Modulus Es :
Duncan & Buchihmami 1976

Sand Young's Modulus Es :
Bellotti et al. 1989

Sand Relative Density Dr :
Jamiolkowski et al. 2001

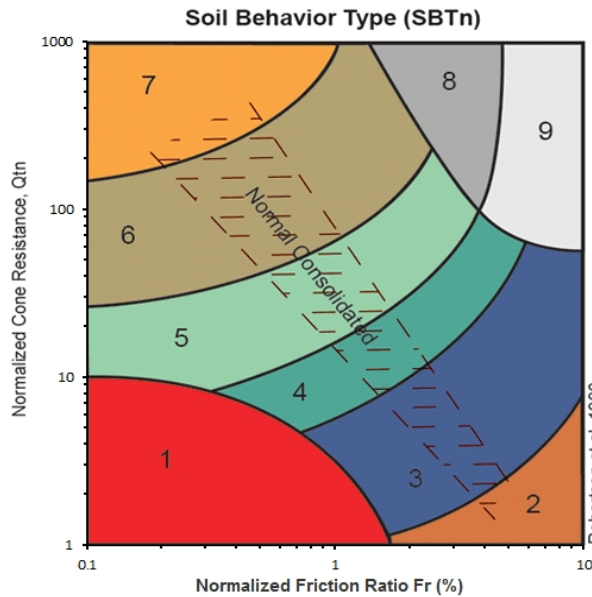
Clay Sensitivity St :
Robertson & Campanella 1988 Ns=6

Liquefaction MSF :
Youd et al. 2001 (NCEER 1997)

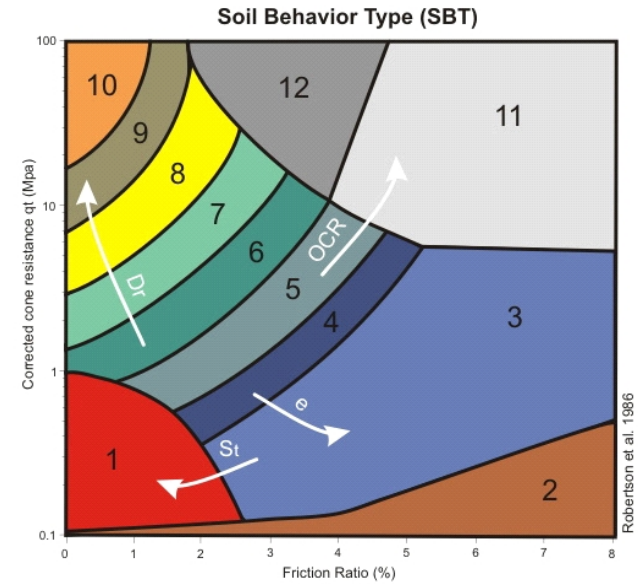
Stress Reduction Factor Rd :
NCEER, 1997 (Seed & Idriss 1971 tri-linear function)

Liquefaction Assessed For Following SBT:

6 7 8 9 10 12



- | | | |
|------------------------------|---|-----------------------------------|
| 1. Sensitive Fines | 4. Silt Mixtures - Clayey Silty to Silty Clay | 7. Gravelly Sand to Dense Sand |
| 2. Organic Soils - Clay | 5. Sand Mixtures - Silty Sand to Sandy Silt | 8. Very Dense Sand to Clayey Sand |
| 3. Clay - Silty Clay to Clay | 6. Sands - Clean Sand to Silty Sand | 9. Very Stiff Fine-Grained |



- | | | | |
|---------------------|------------------------------|-----------------------------|-----------------------------|
| 1. Sensitive Fines | 4. Silty Clay to Clay | 7. Silty Sand to Sandy Silt | 10. Gravelly Sand to Sand |
| 2. Organic Material | 5. Clayey Silt to Silty Clay | 8. Sand and Silty Sand | 11. Very Stiff Fine-Grained |
| 3. Clay | 6. Sandy Silt to Clayey Silt | 9. Sand | 12. Sand to Clayey Sand |