

Cone Penetration Test Summary and Standard Cone Penetration Test Plots



Job No: 14-02091
 Client: Mount Polley Mining Corporation
 Project: Mount Polley Mine, Likely, BC
 Start Date: 01-Oct-2014
 End Date: 01-Nov-2014

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Assumed Phreatic Surface ¹ (m)	Final Depth (m)	Northing ² (m)	Easting (m)	Elevation (m)	Refer to Notation Number
RSCPT14-01	14-02091_RS01	01-Oct-2014	418:T1500F15U500	1.9	14.675	5819871.83	595252.96	931.29	
RSCPT14-02	14-02091_RS02	10-Oct-2014	418:T1500F15U500	3.0	16.600	5819956.83	595200.65	933.03	
RSCPT14-03	14-02091_RS03	02-Oct-2014	418:T1500F15U500	2.6	20.525	5819937.31	595129.86	932.47	
RSCPT14-04	14-02091_RS04	04-Oct-2014	418:T1500F15U500	6.5	17.250	5819912.66	595105.56	932.27	
RSCPT14-05	14-02091_RS05	27-Oct-2014	418:T1500F15U500	0.0	17.600	5819924.42	595188.02	937.43	5
RSCPT14-06	14-02091_RS06	07-Oct-2014	418:T1500F15U500	0.0	20.225	5819920.26	595177.07	937.76	5
RCPT14-06	14-02091_RP06	17-Oct-2014	418:T1500F15U500	0.0	18.100	5819922.37	595176.22	937.71	3, 5
RSCPT14-07	14-02091_RS07	08-Oct-2014	418:T1500F15U500	0.0	14.175	5819902.21	595053.58	931.58	
RSCPT14-08	14-02091_RS08	28-Oct-2014	418:T1500F15U500	0.0	28.875	5819890.40	595169.41	947.50	5
RSCPT14-10	14-02091_RS10	16-Oct-2014	418:T1500F15U500	2.6	16.275	5819967.55	595151.21	932.24	
RSCPT14-11	14-02091_RS11	15-Oct-2014	418:T1500F15U500	0.0	10.625	5819991.32	595169.95	931.06	5
RSCPT14-13	14-02091_RS13	31-Oct-2014	418:T1500F15U500	0.0	22.950	5819770	595407	933.06	5,6
RSCPT14-14	14-02091_RS14	17-Oct-2014	418:T1500F15U500	0.6	13.975	5819937.03	595100.52	930.45	
RSCPT14-15	14-02091_RS15	20-Oct-2014	418:T1500F15U500	0.4	18.825	5819960.89	595100.02	930.20	
RSCPT14-16	14-02091_RS16B	22-Oct-2014	418:T1500F15U500	0.0	12.475	5819976.38	595078.31	930.28	4
RSCPT14-16	14-02091_RS16C	25-Oct-2014	418:T1500F15U500	0.0	8.975	5819975.79	595079.20	930.44	5
RSCPT14-17	14-02091_RS17	23-Oct-2014	418:T1500F15U500	0.0	13.950	5819994.09	595086.97	929.99	
RSCPT14-18	14-02091_RS18	24-Oct-2014	418:T1500F15U500	0.0	11.850	5820025.89	595012.98	934.84	
RSCPT14-19	14-02091_RS19	24-Oct-2014	418:T1500F15U500	2.0	7.075	5820043.69	594886.51	942.67	
RSCPT14-21	14-02091_RS21	01-Nov-2014	418:T1500F15U500	14.2	25.550	5819715	595334	968.91	6
RSCPT14-22	14-02091_RS22	30-Oct-2014	418:T1500F15U500	0.1	18.400	5819981.72	595124.54	929.77	

1. Assumed phreatic surfaced based on pore pressure dissipation tests, unless otherwise noted. Equilibrium pore pressure profiles were used for interpretation tables.

2. Coordinates were provided by the client in a localized Tailings Grid datum which was noted to be similar to datum NAD 83.

No transformation file was available, coordinates were uploaded to ConeTec Data Services in datum NAD83 UTM Zone 10 North.

3. This hole was conducted due to a minor tip baseline shift in test RSCPT14-06 (14-02091_RS06). Refer to the report for additional information.

4. The top part of the sounding was recompleted at a later date.

5. No pore pressure dissipation tests reached equilibrium. The phreatic surface was assumed to be at ground surface and hydrostatic conditions were assumed for the interpretation tables.

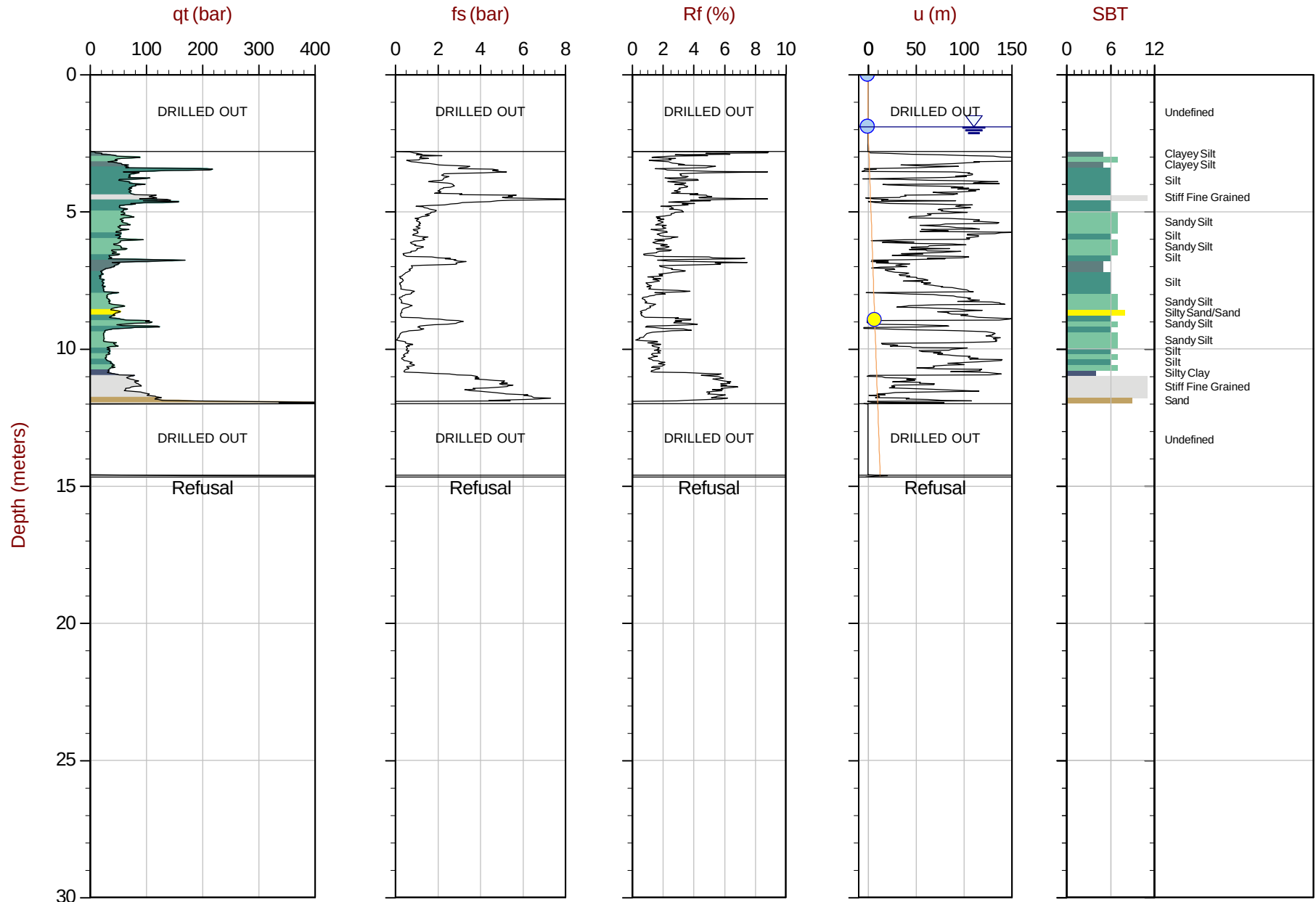
6. Coordinates were obtained using a handheld GPS in datum NAD83, UTM zone 10 North. Elevation was based on the adjacent bore hole elevation provided by the client.



Mount Polley

Job No: 14-02091
Date: 10:01:14 09:00
Site: Mount Polley

Sounding: RSCPT14-01
Cone: 418:T1500F15U500



Max Depth: 14.675 m / 48.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS01.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819871.83m E: 595252.96m Elev: 931.29m
Page No: 1 of 1

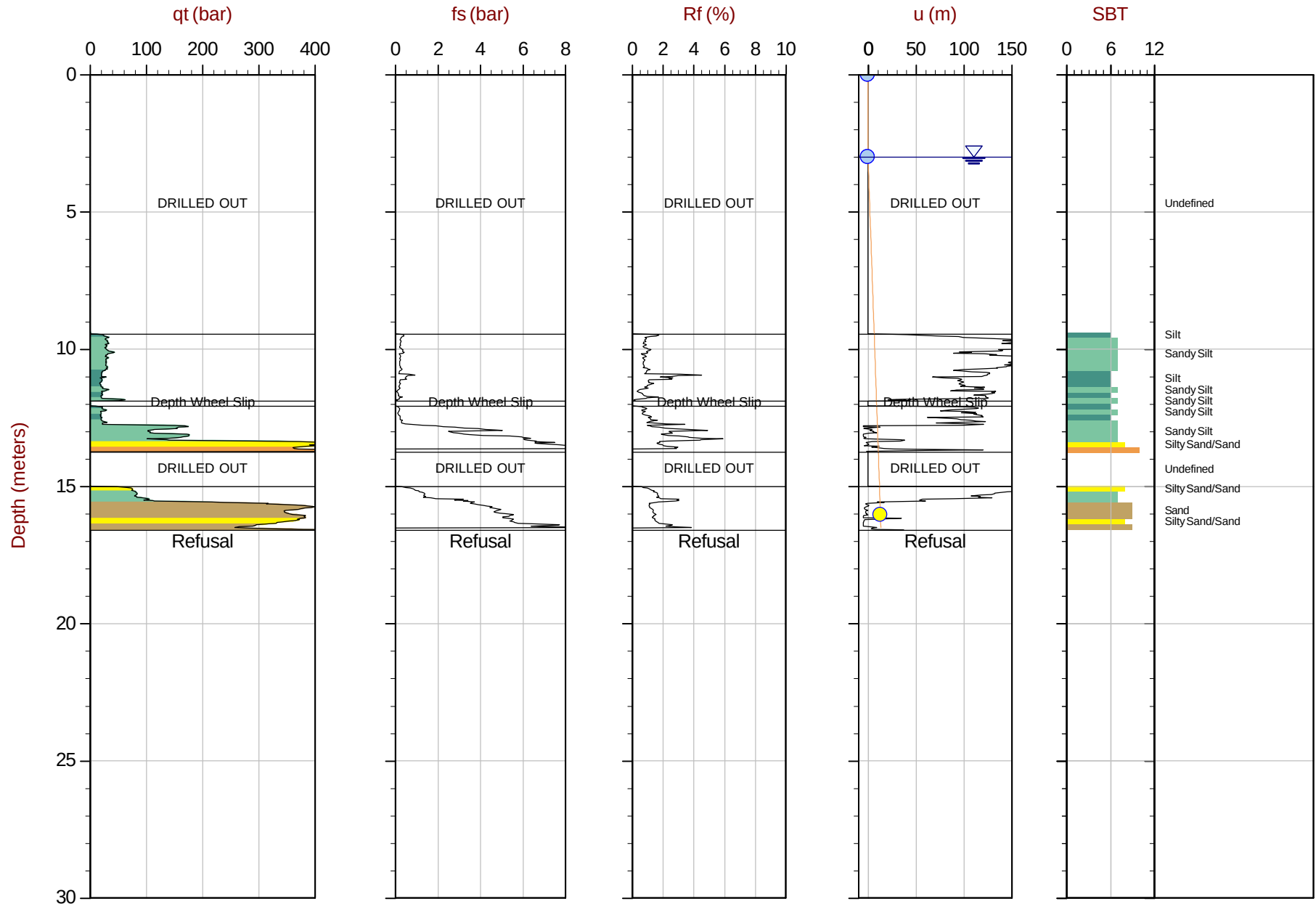
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:10:14 10:50
Site: Mount Polley

Sounding: RSCPT14-02
Cone: 418:T1500F15U500



Max Depth: 16.600 m / 54.46 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS02.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819956.83m E: 595200.65m Elev: 933.03m
Page No: 1 of 1

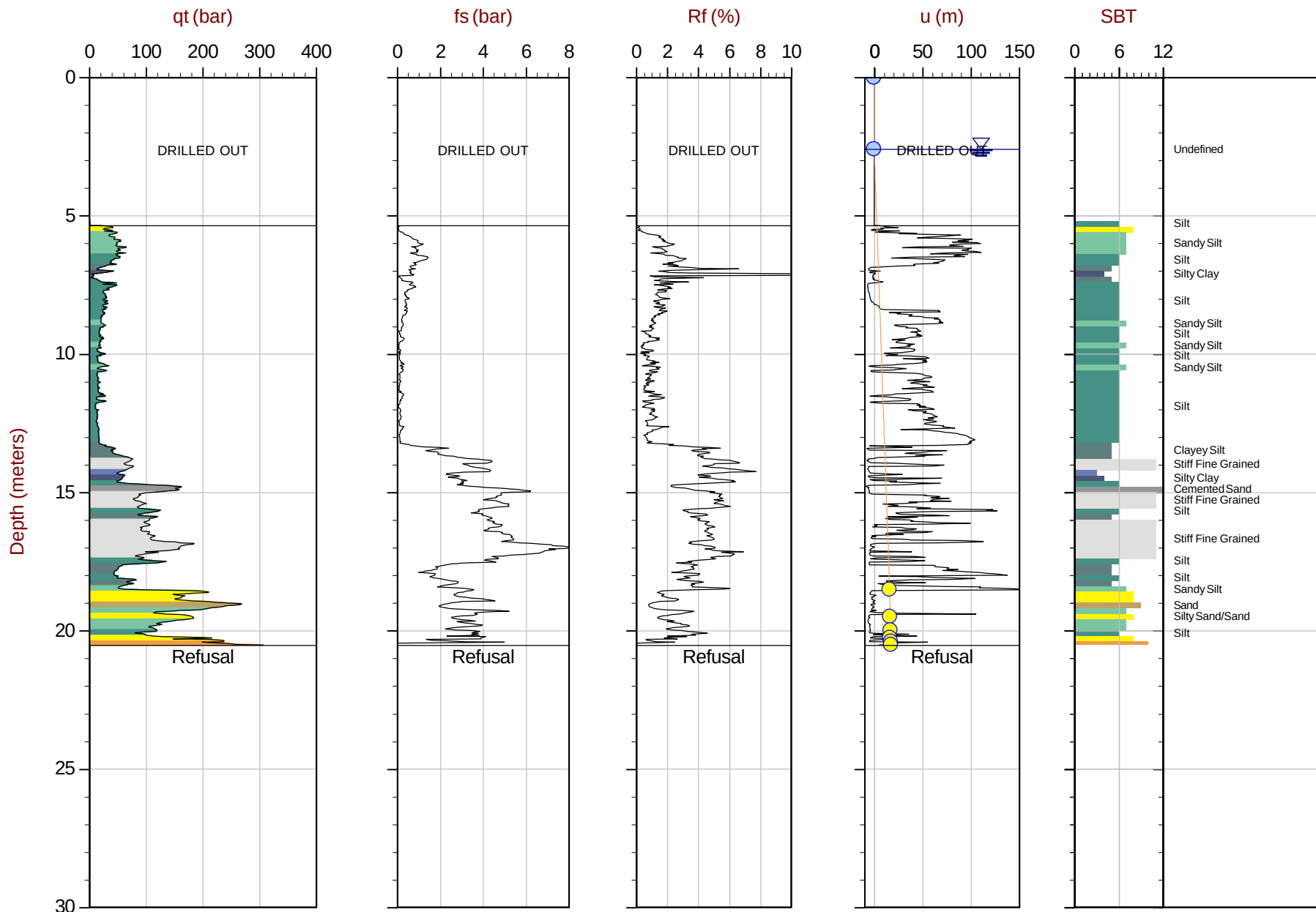
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:02:14 11:31
Site: Mount Polley

Sounding: RSCPT14-03
Cone: 418:T1500F15U500



Max Depth: 20.525 m / 67.34 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS03.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819937.31m E: 595129.86m Elev: 932.47m
Page No: 1 of 1

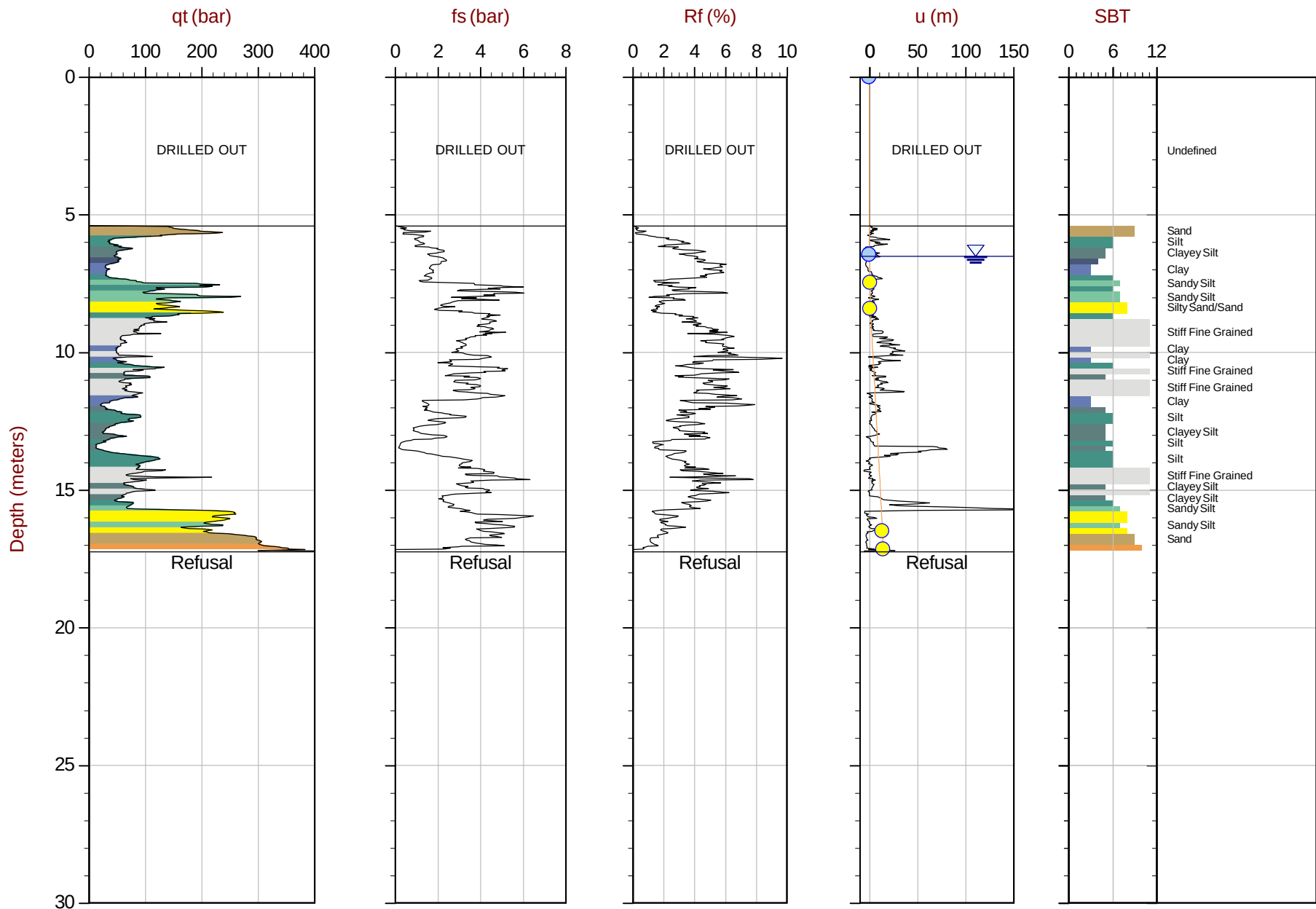
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:04:14 08:55
Site: Mount Polley

Sounding: RSCPT14-04
Cone: 418:T1500F15U500



Max Depth: 17.250 m / 56.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS04.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819912.66m E: 595105.56m Elev: 932.27m
Page No: 1 of 1

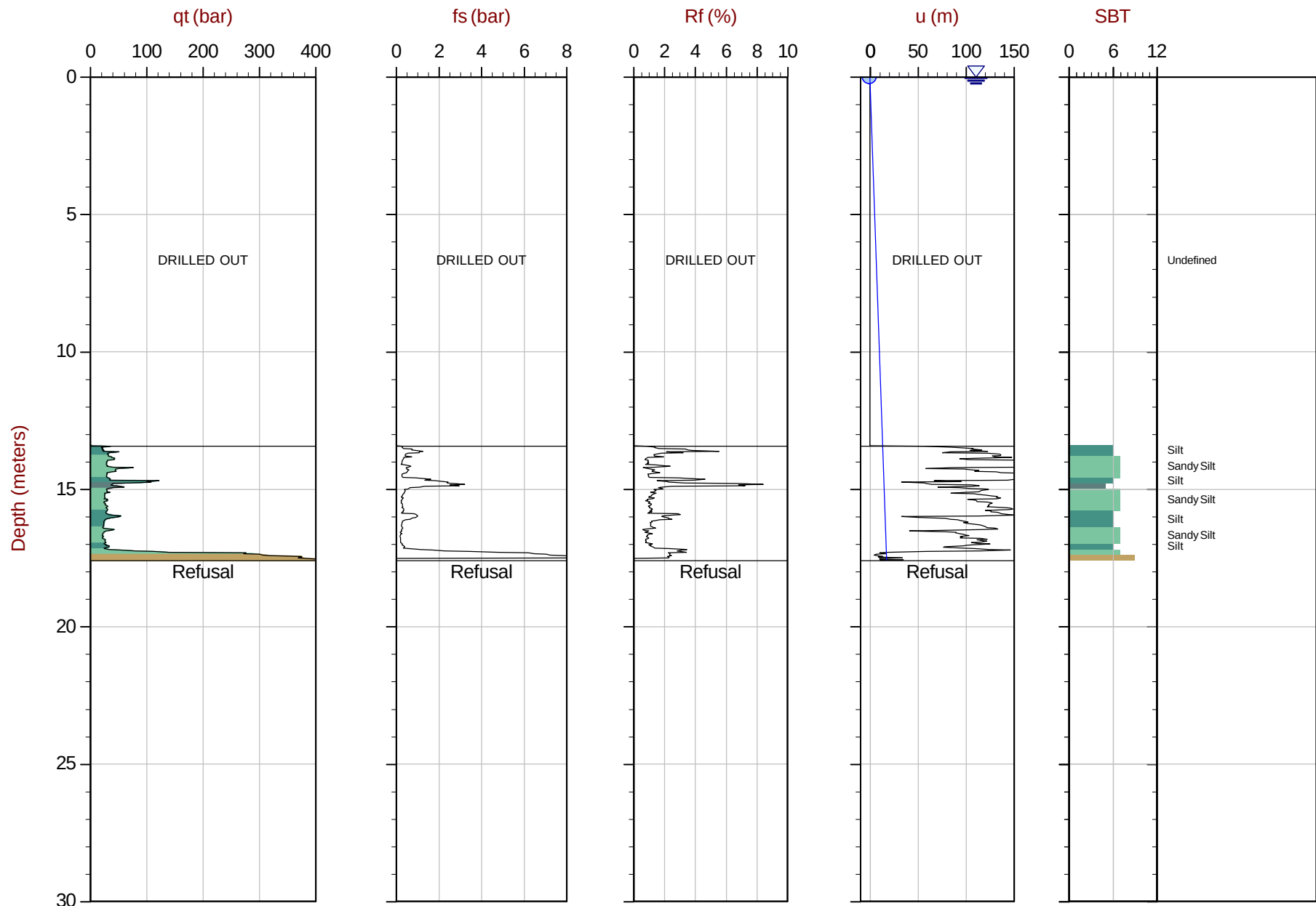
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:27:14 13:09
Site: Mount Polley

Sounding: RSCPT14-05
Cone: 418:T1500F15U500



Max Depth: 17.600 m / 57.74 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS05.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819924.42m E: 595188.02m Elev: 937.43m
Page No: 1 of 1

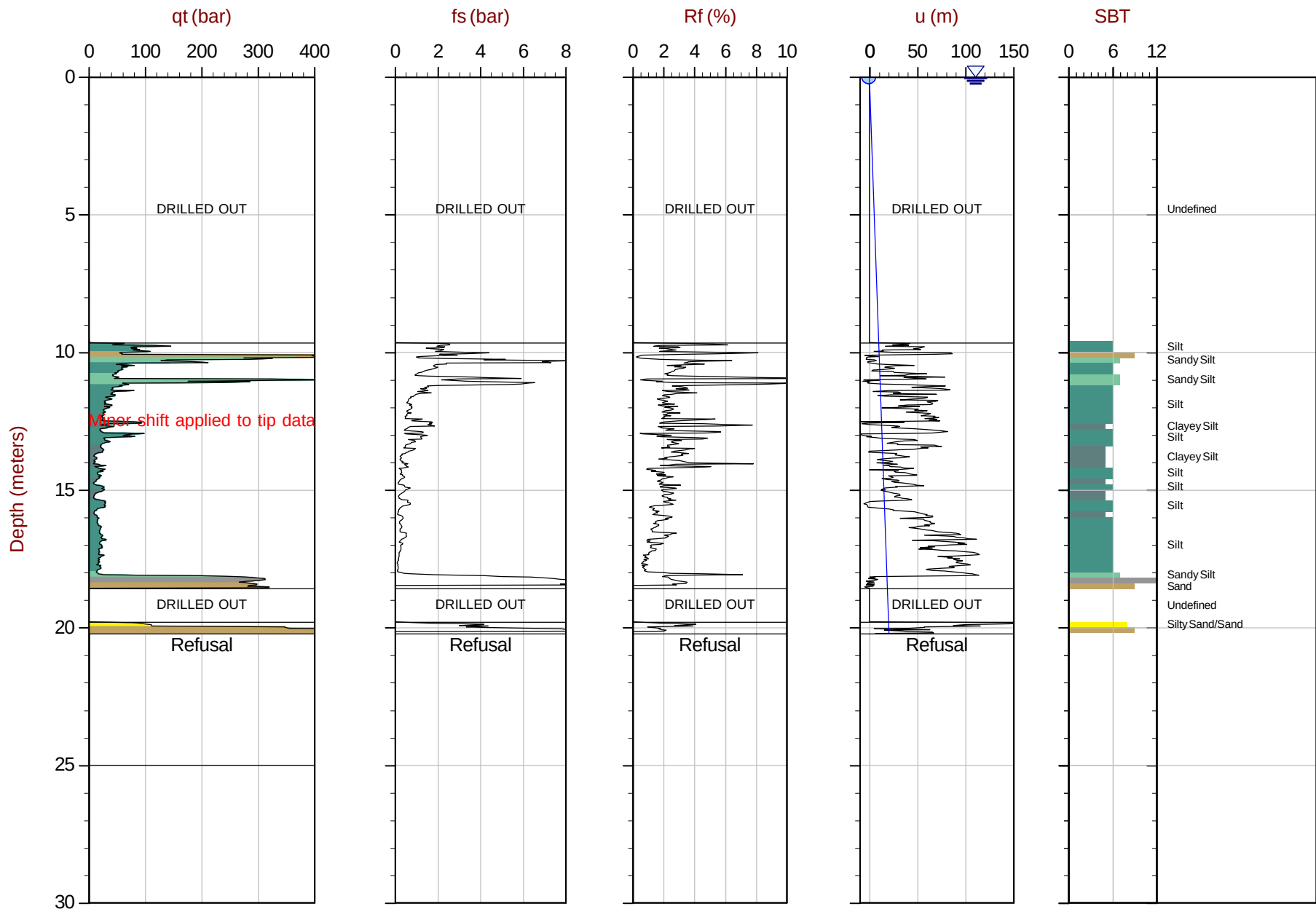
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:07:14 08:35
Site: Mount Polley

Sounding: RSCPT14-06
Cone: 418:T1500F15U500



Max Depth: 20.225 m / 66.35 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS06.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819920.26m E: 595177.07m Elev: 937.76m
Page No: 1 of 1

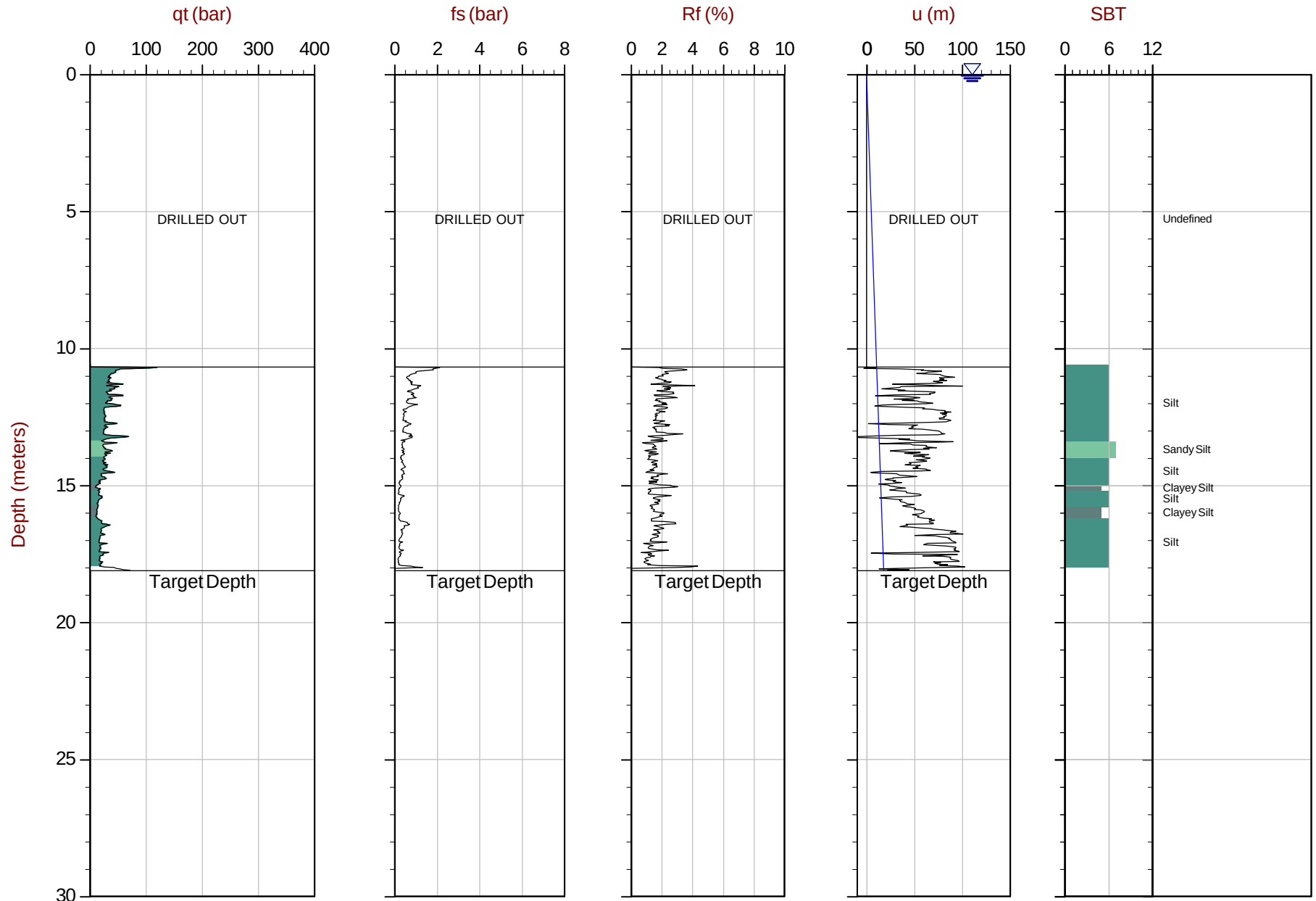
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:17:14 09:13
Site: Mount Polley

Sounding: RCPT14-06
Cone: 418:T1500F15U500



Max Depth: 18.100 m / 59.38 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RP06.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819922.37m E: 595176.22m Elev: 937.71m
Page No: 1 of 1

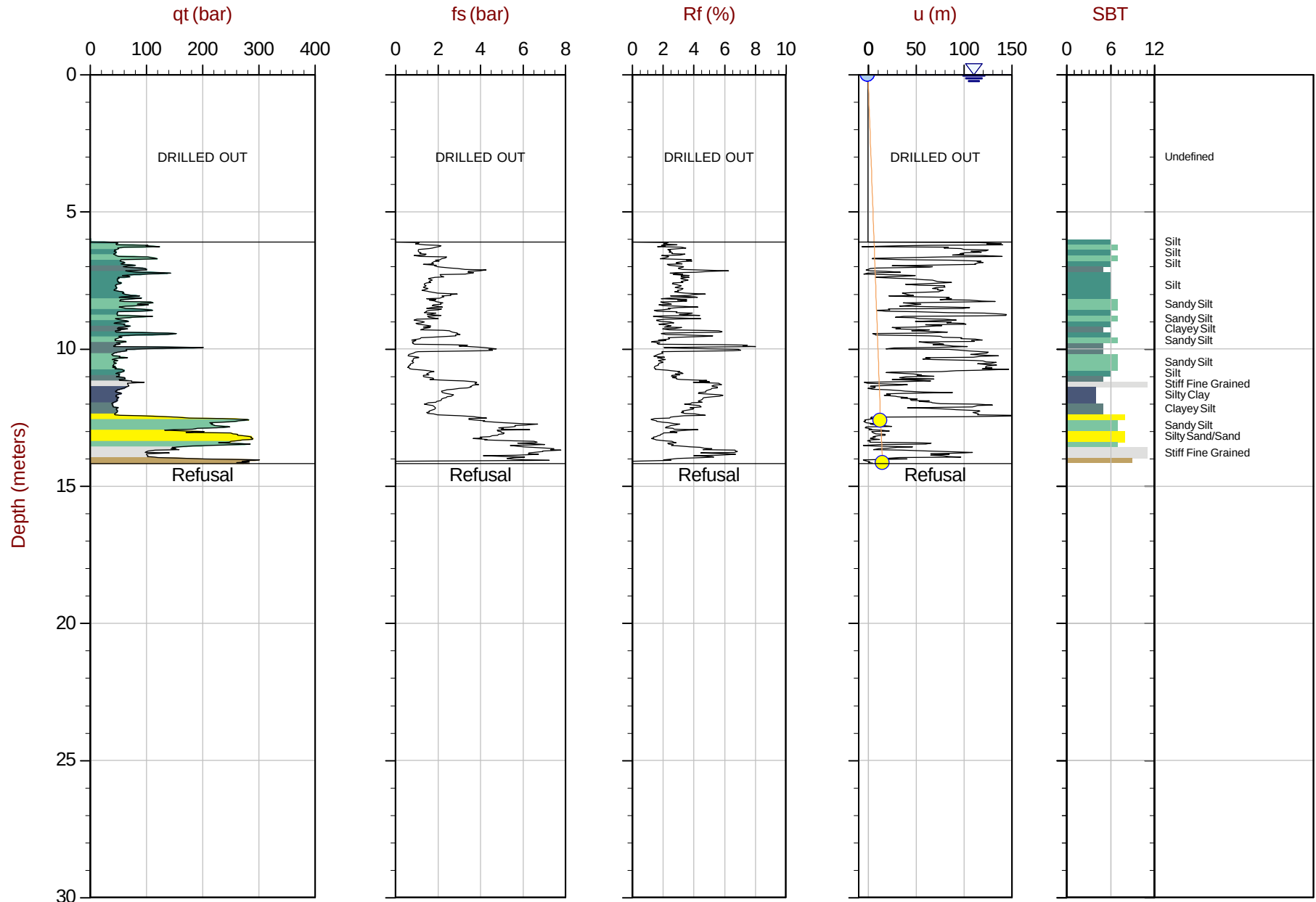
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:08:14 13:02
Site: Mount Polley

Sounding: RSCPT14-07
Cone: 418:T1500F15U500



Max Depth: 14.175 m / 46.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS07.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819902.21m E: 595053.58m Elev: 931.58m
Page No: 1 of 1

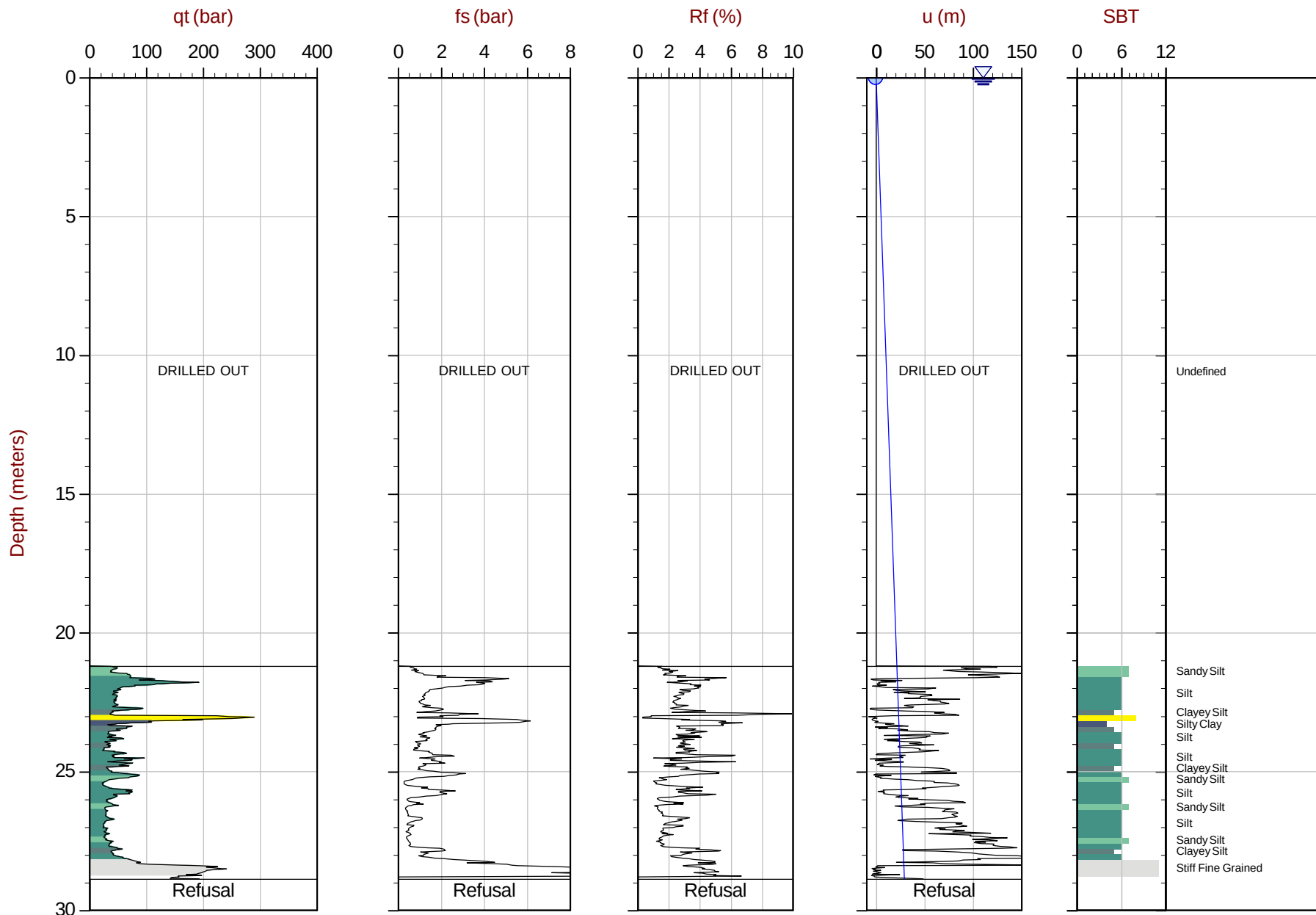
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:28:14 13:00
Site: Mount Polley

Sounding: RSCPT14-08
Cone: 418:T1500F15U500



Max Depth: 28.875 m / 94.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS08.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819890.40m E: 595169.41m Elev: 947.50m
Page No: 1 of 1

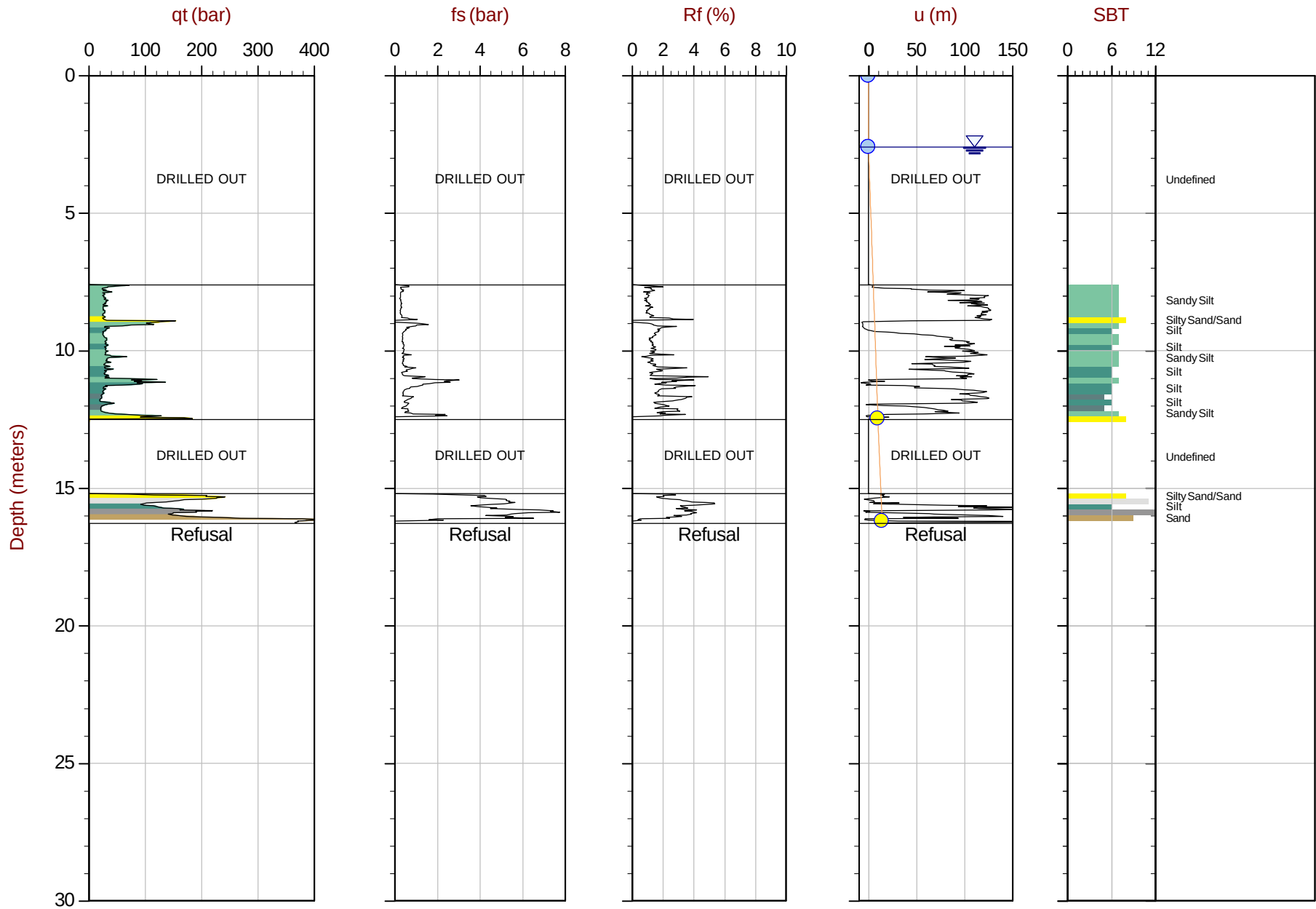
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:16:14 08:16
Site: Mount Polley

Sounding: RSCPT14-10
Cone: 418:T1500F15U500



Max Depth: 16.275 m / 53.40 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS10.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819967.55m E: 595151.21m Elev: 932.24m
Page No: 1 of 1

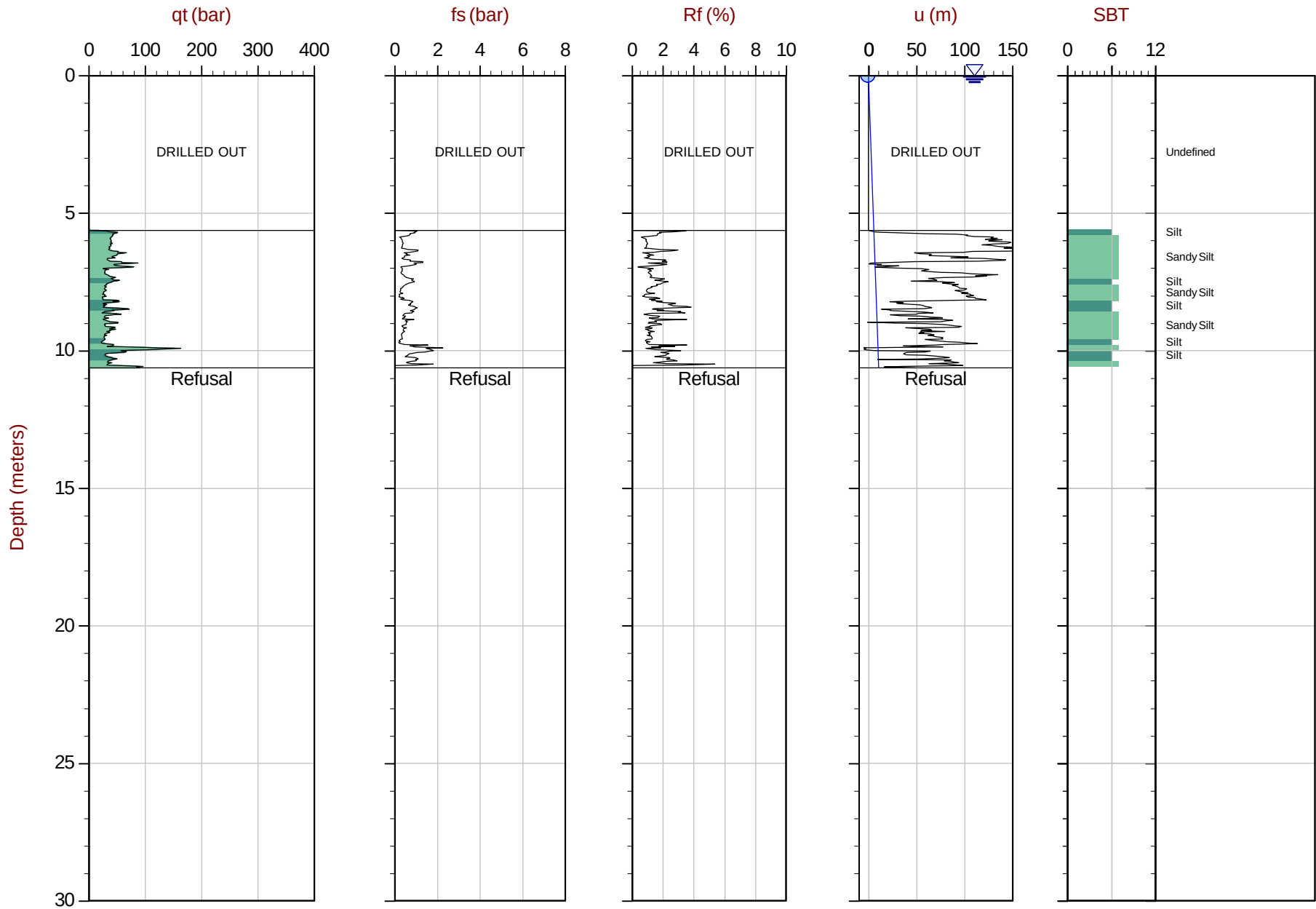
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:15:14 13:36
Site: Mount Polley

Sounding: RSCPT14-11
Cone: 418:T1500F15U500



Max Depth: 10.625 m / 34.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS11.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819991.32m E: 595169.95m Elev: 931.06m
Page No: 1 of 1

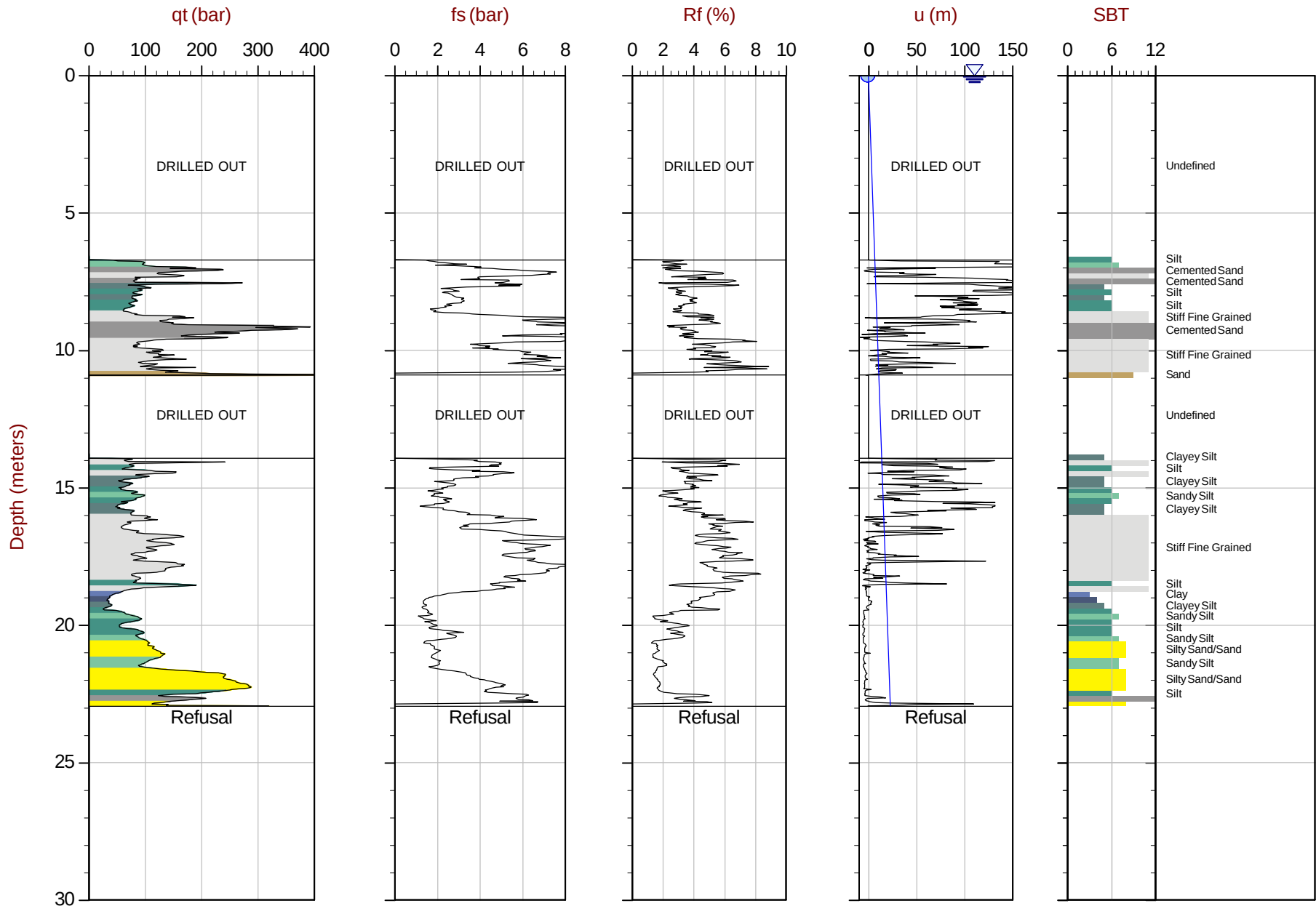
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:31:14 09:22
Site: Mount Polley

Sounding: RSCPT14-13
Cone: 418:T1500F15U500



Max Depth: 22.950 m / 75.29 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS13.COR
UnitWt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819770.00m E: 595407.00m Elev: 933.06m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq

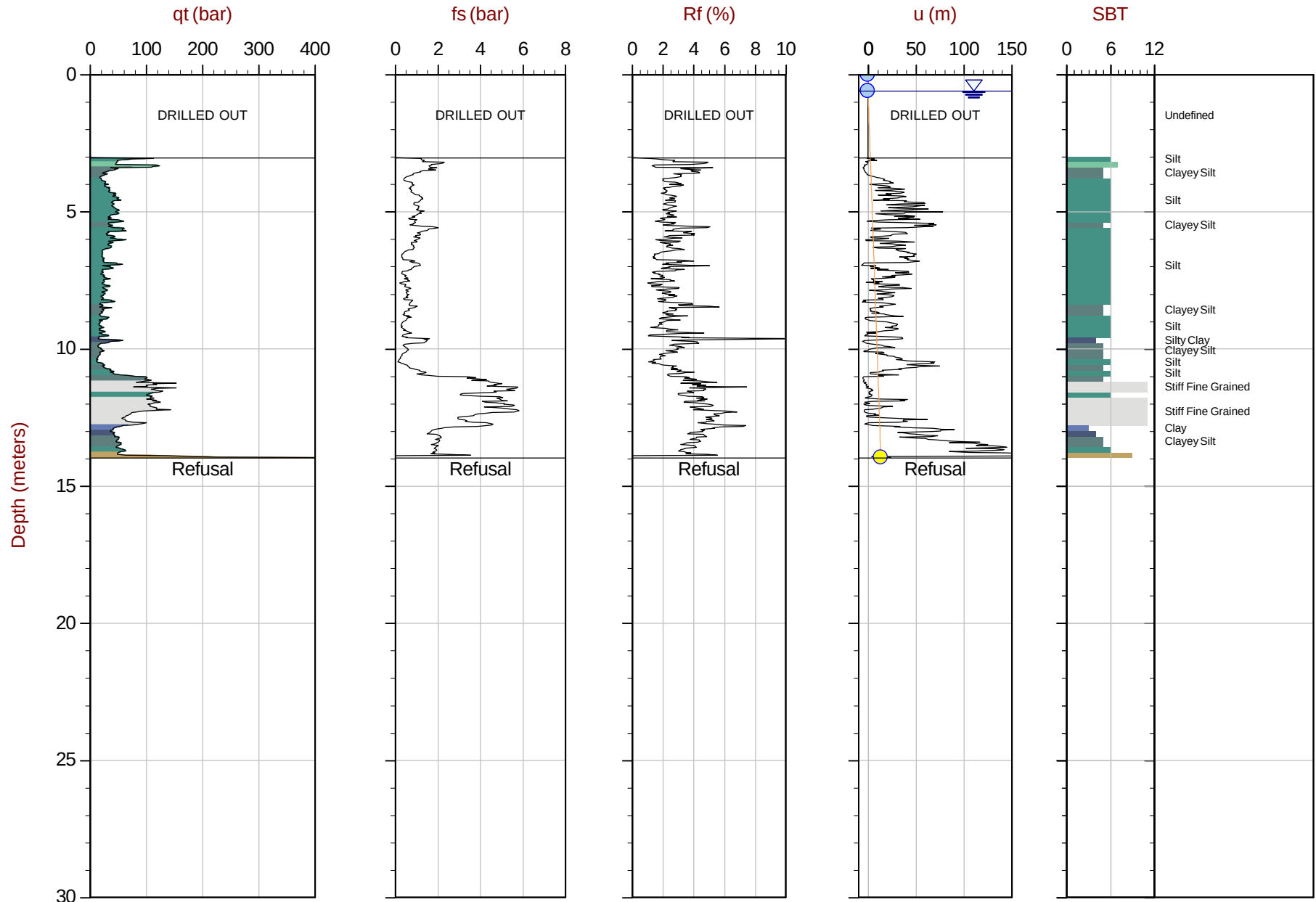
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



Mount Polley

Job No: 14-02091
Date: 10:17:14 12:58
Site: Mount Polley

Sounding: RSCPT14-14
Cone: 418:T1500F15U500



Max Depth: 13.975 m / 45.85 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS14.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819937.03m E: 595100.52m Elev: 930.45m
Page No: 1 of 1

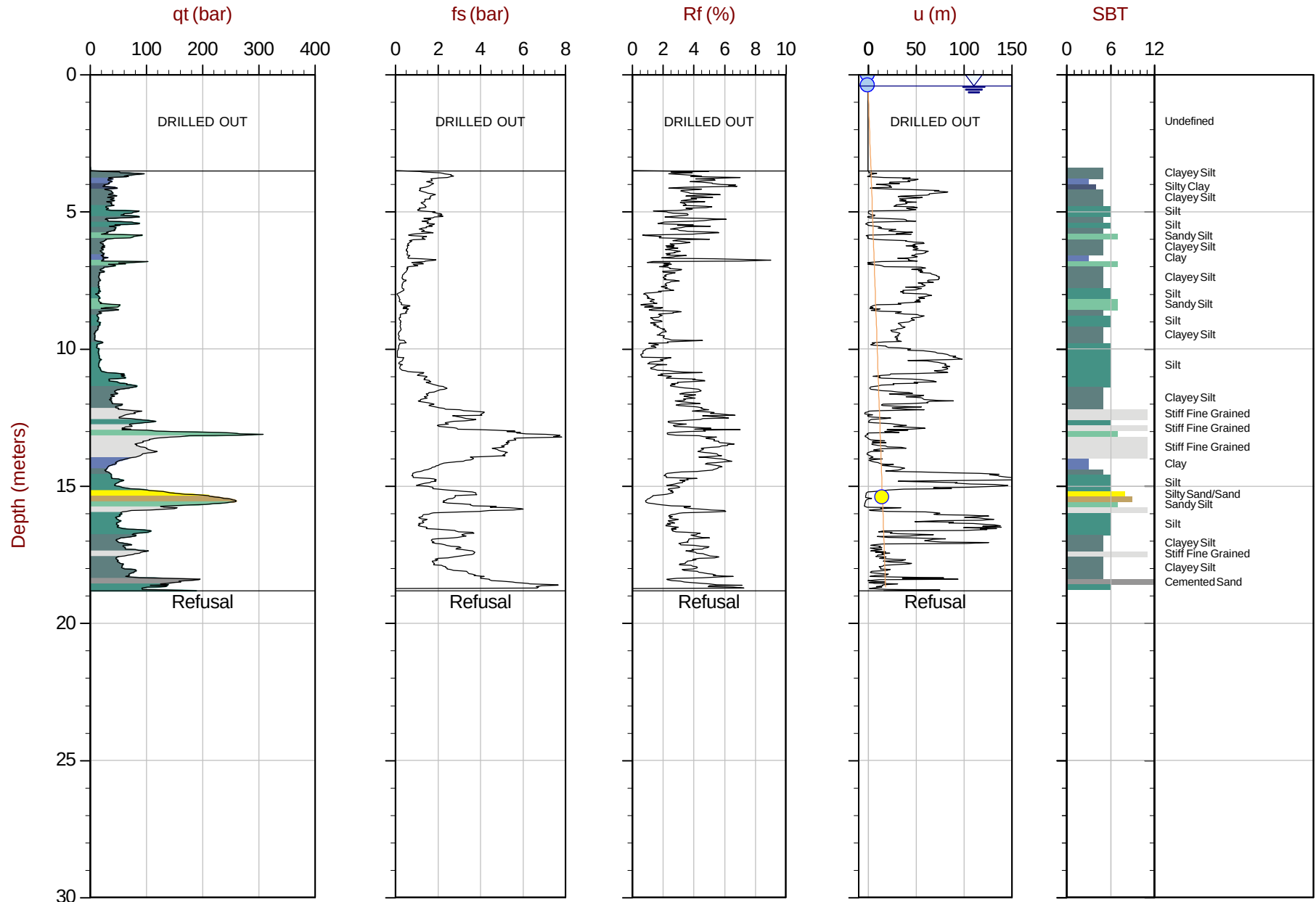
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:20:14 14:57
Site: Mount Polley

Sounding: RSCPT14-15
Cone: 418:T1500F15U500



Max Depth: 18.825 m / 61.76 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS15.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819960.89m E: 595100.02m Elev: 930.20m
Page No: 1 of 1

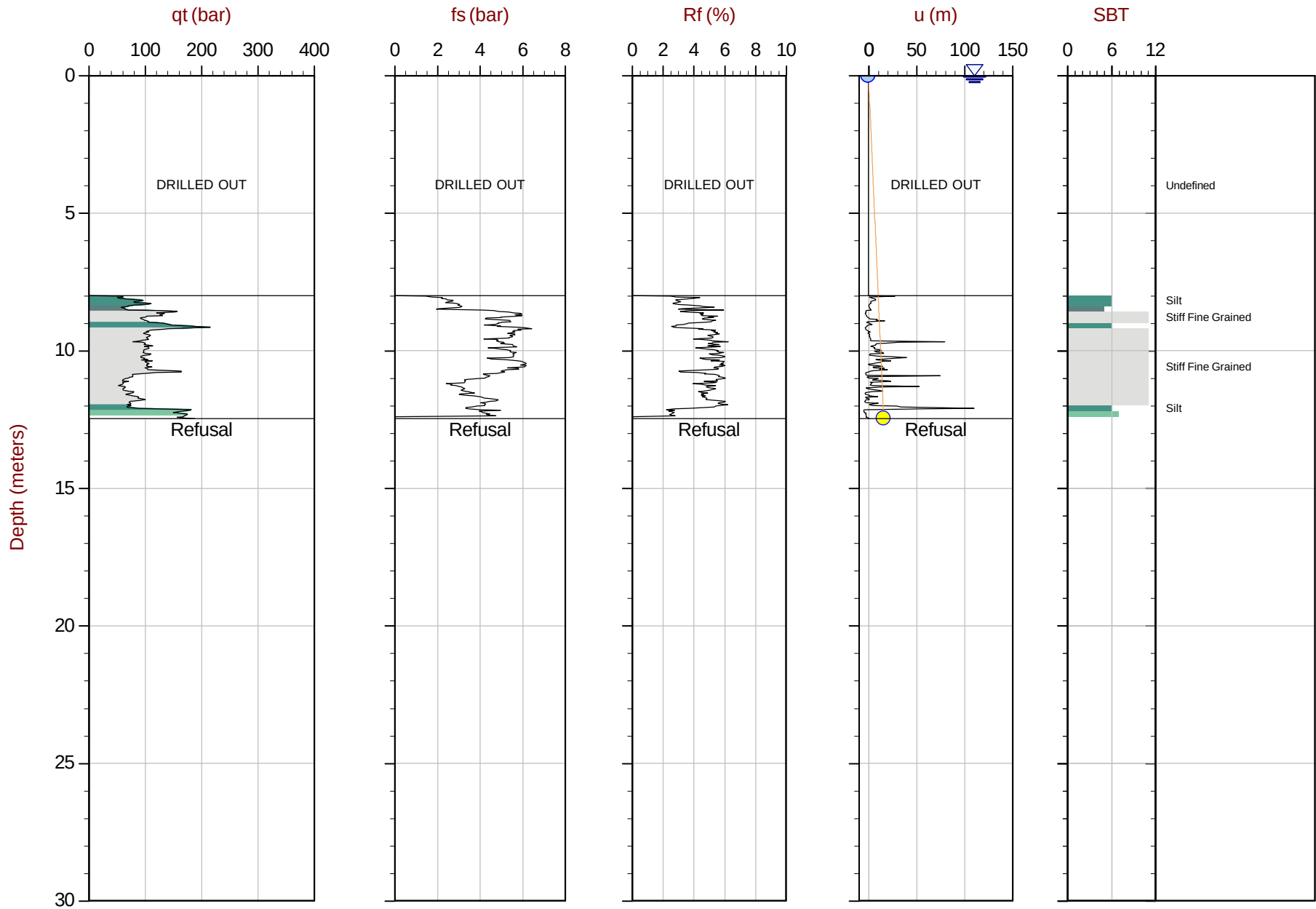
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Mount Polley

Job No: 14-02091
Date: 10:22:14 11:50
Site: Mount Polley

Sounding: RSCPT14-16
Cone: 418:T1500F15U500



Max Depth: 12.475 m / 40.93 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS16B.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819976.38m E: 595078.31m Elev: 930.28m
Page No: 1 of 1

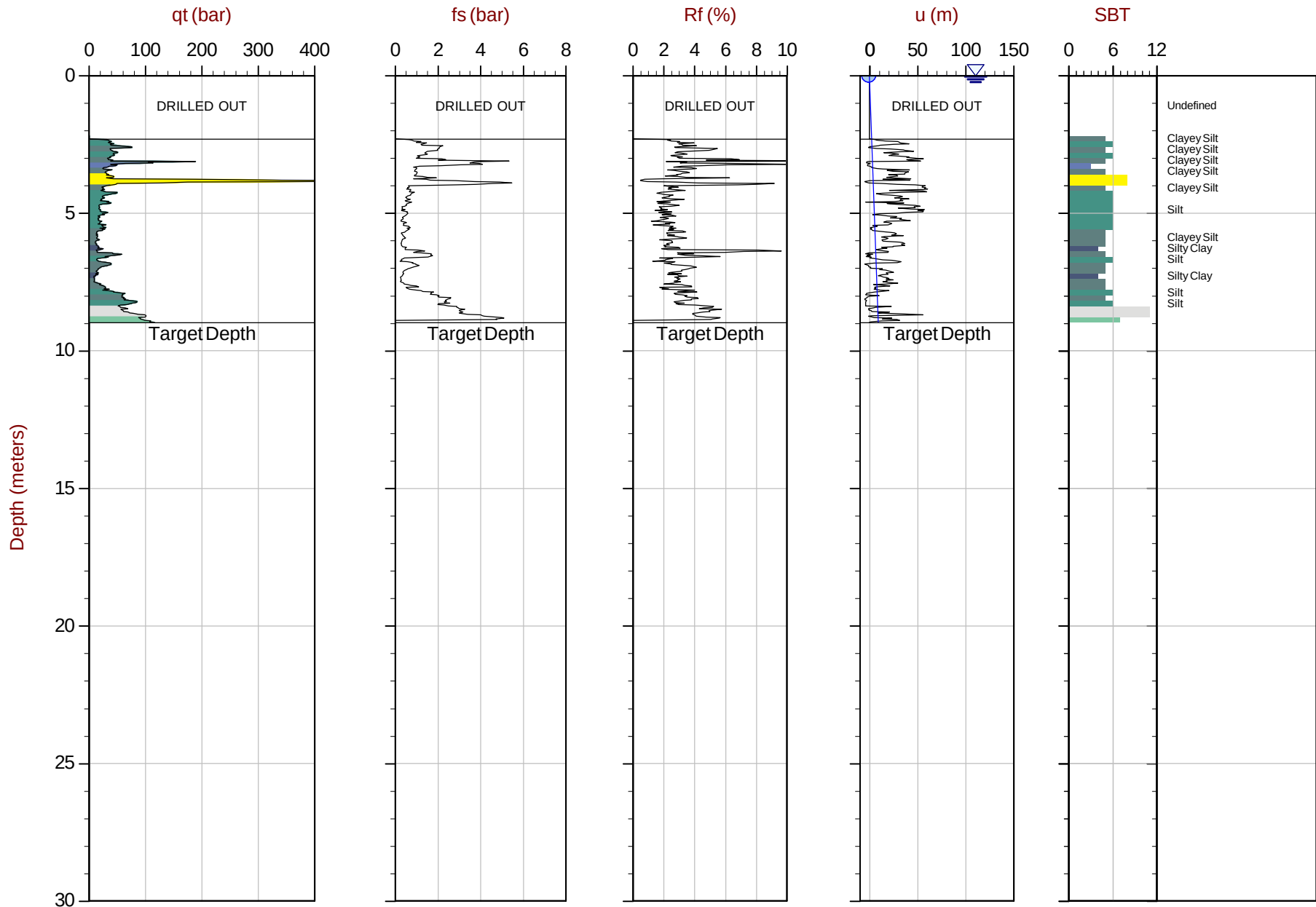
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile — Assumed Ueq — Ueq



Mount Polley

Job No: 14-02091
Date: 10:25:14 08:41
Site: Mount Polley

Sounding: RSCPT14-16
Cone: 418:T1500F15U500



Max Depth: 8.975 m / 29.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS16C.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819975.79m E: 595079.20m Elev: 930.44m
Page No: 1 of 1

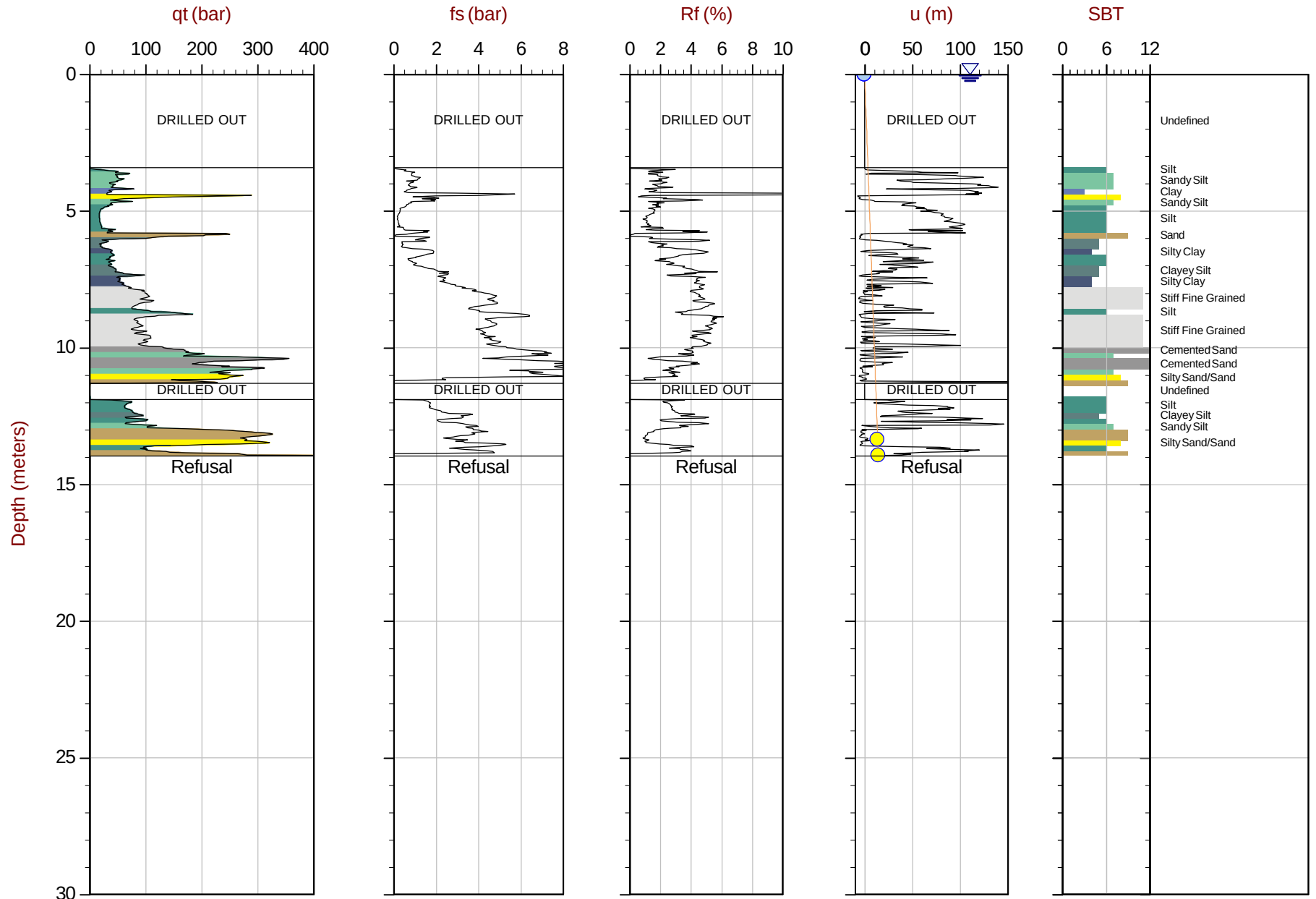
Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:23:14 08:29
Site: Mount Polley

Sounding: RSCPT14-17
Cone: 418:T1500F15U500



Max Depth: 13.950 m / 45.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS17.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819994.09m E: 595086.97m Elev: 929.99m
Page No: 1 of 1

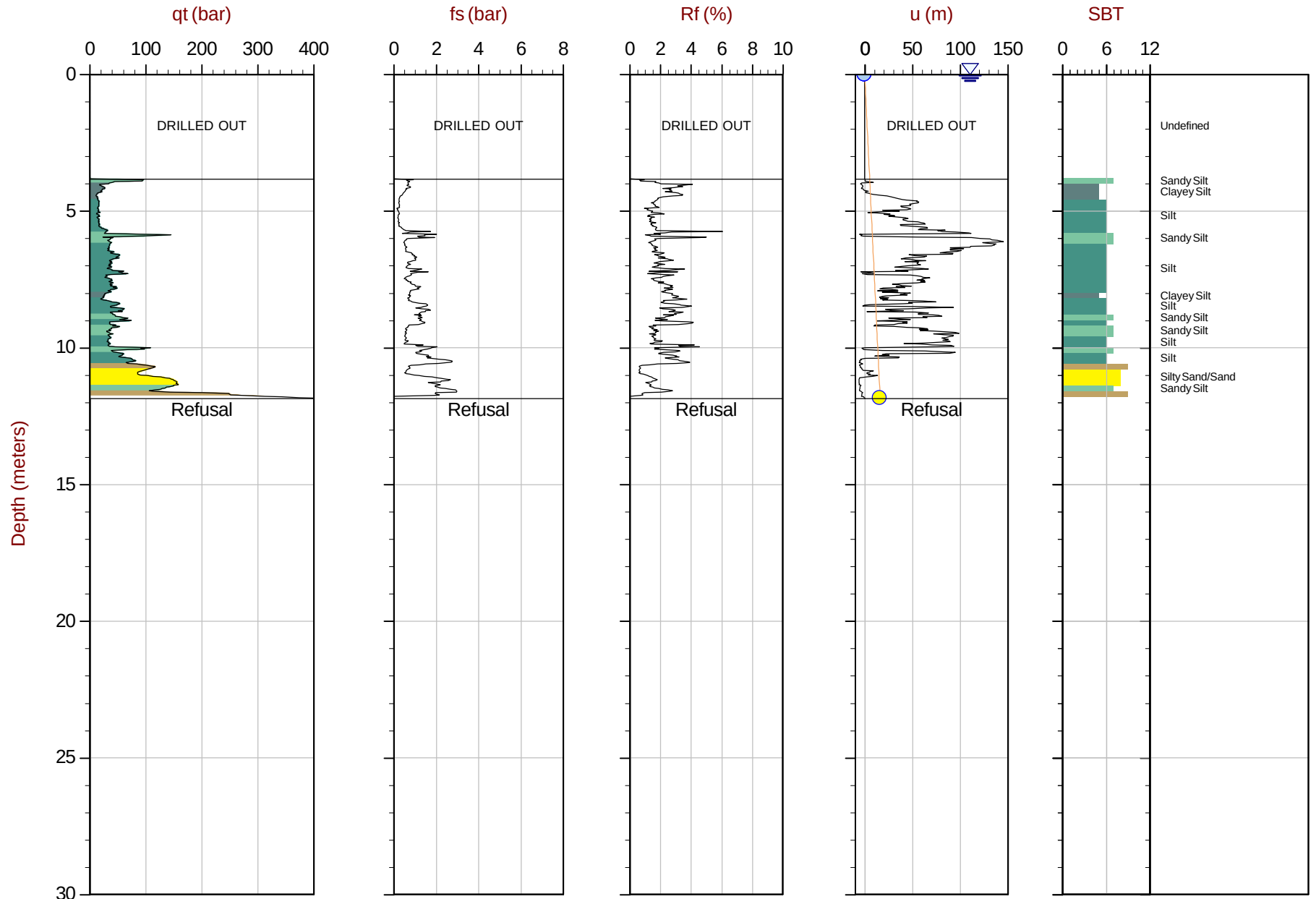
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:24:14 09:06
Site: Mount Polley

Sounding: RSCPT14-18
Cone: 418:T1500F15U500



Max Depth: 11.850 m / 38.88 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS18.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5820025.89m E: 595012.98m Elev: 934.84m
Page No: 1 of 1

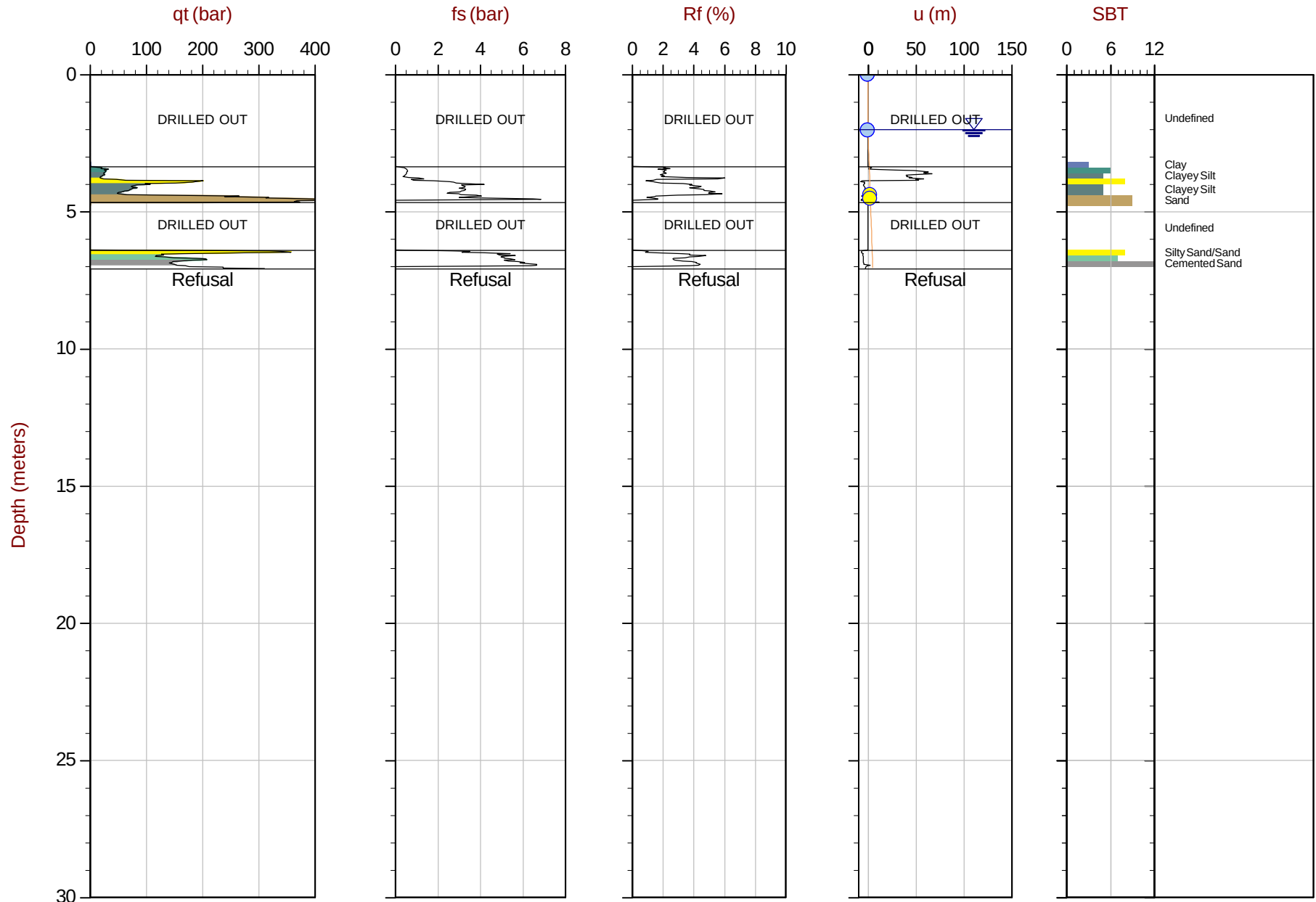
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq



Mount Polley

Job No: 14-02091
Date: 10:24:14 12:54
Site: Mount Polley

Sounding: RSCPT14-19
Cone: 418:T1500F15U500



Max Depth: 7.075 m / 23.21 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS19.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5820043.69m E: 594886.51m Elev: 942.66m
Page No: 1 of 1

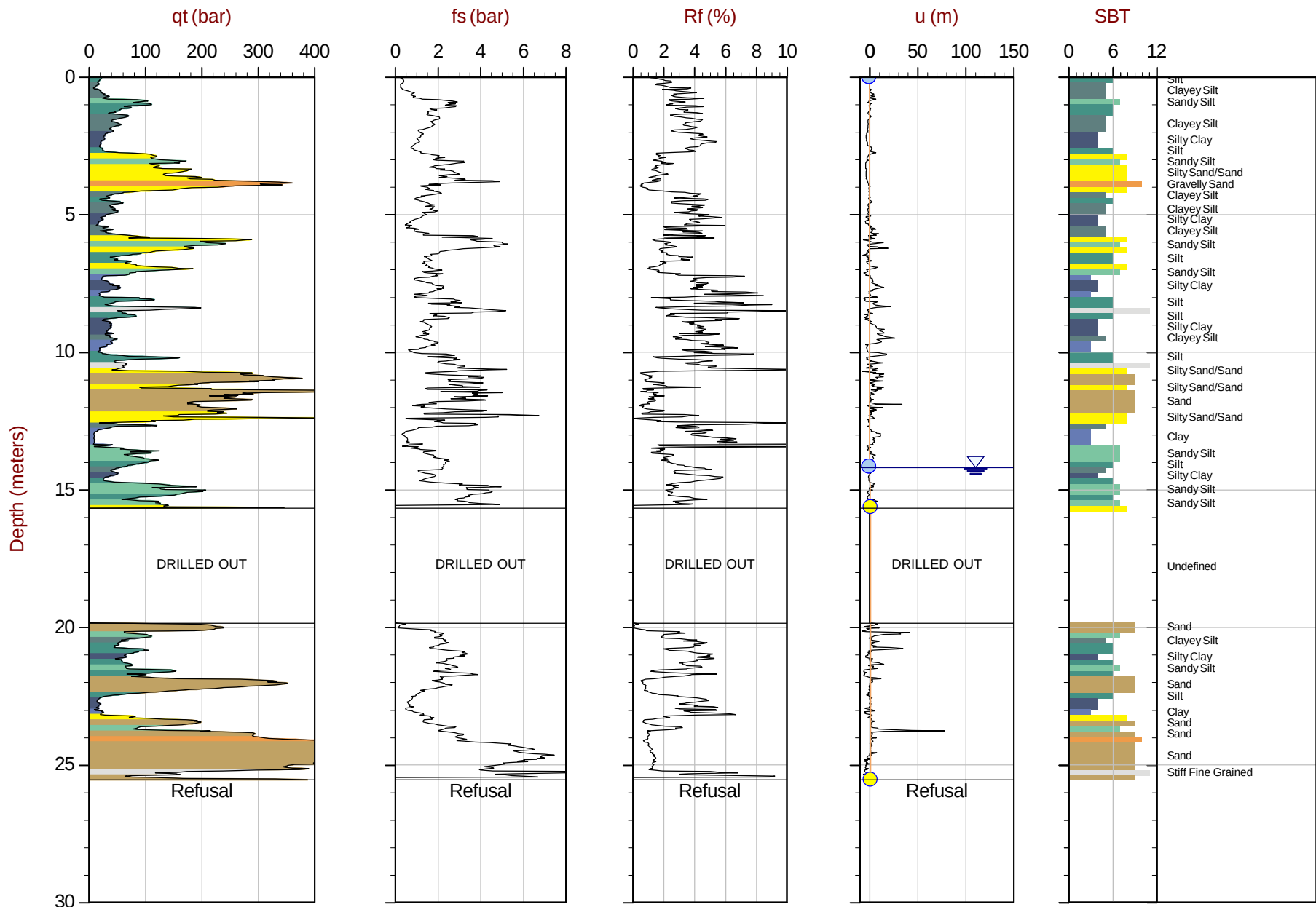
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Mount Polley

Job No: 14-02091
Date: 11:01:14 08:57
Site: Mount Polley

Sounding: RSCPT14-21
Cone: 418:T1500F15U500



Max Depth: 25.550 m / 83.82 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS21.COR
UnitWt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819715.00m E: 595334.00m Elev: 968.91m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq

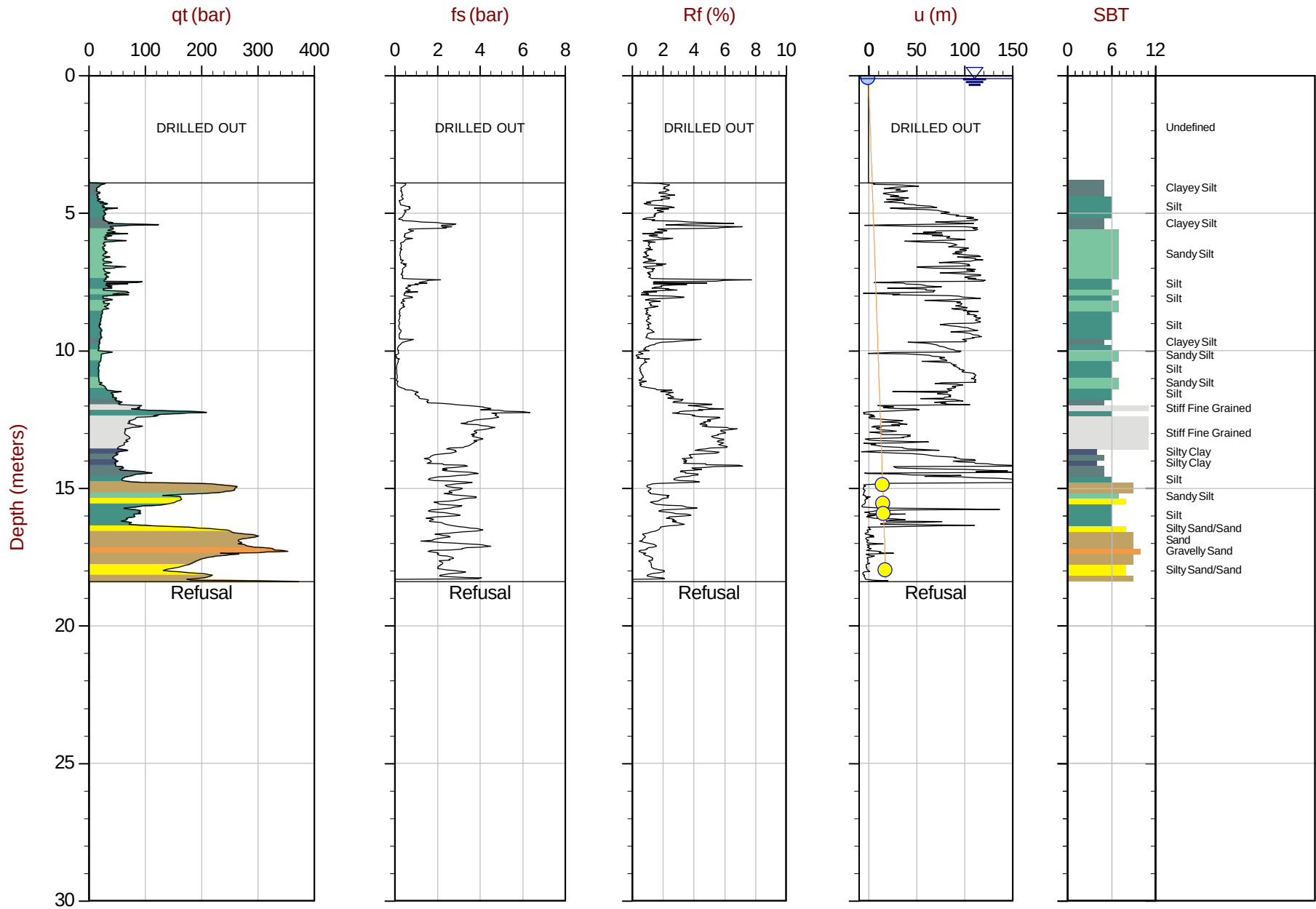
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



Mount Polley

Job No: 14-02091
Date: 10:30:14 08:40
Site: Mount Polley

Sounding: RSCPT14-22
Cone: 418:T1500F15U500



Max Depth: 18.400 m / 60.37 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS22.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819981.72m E: 595124.54m Elev: 929.77m
Page No: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq