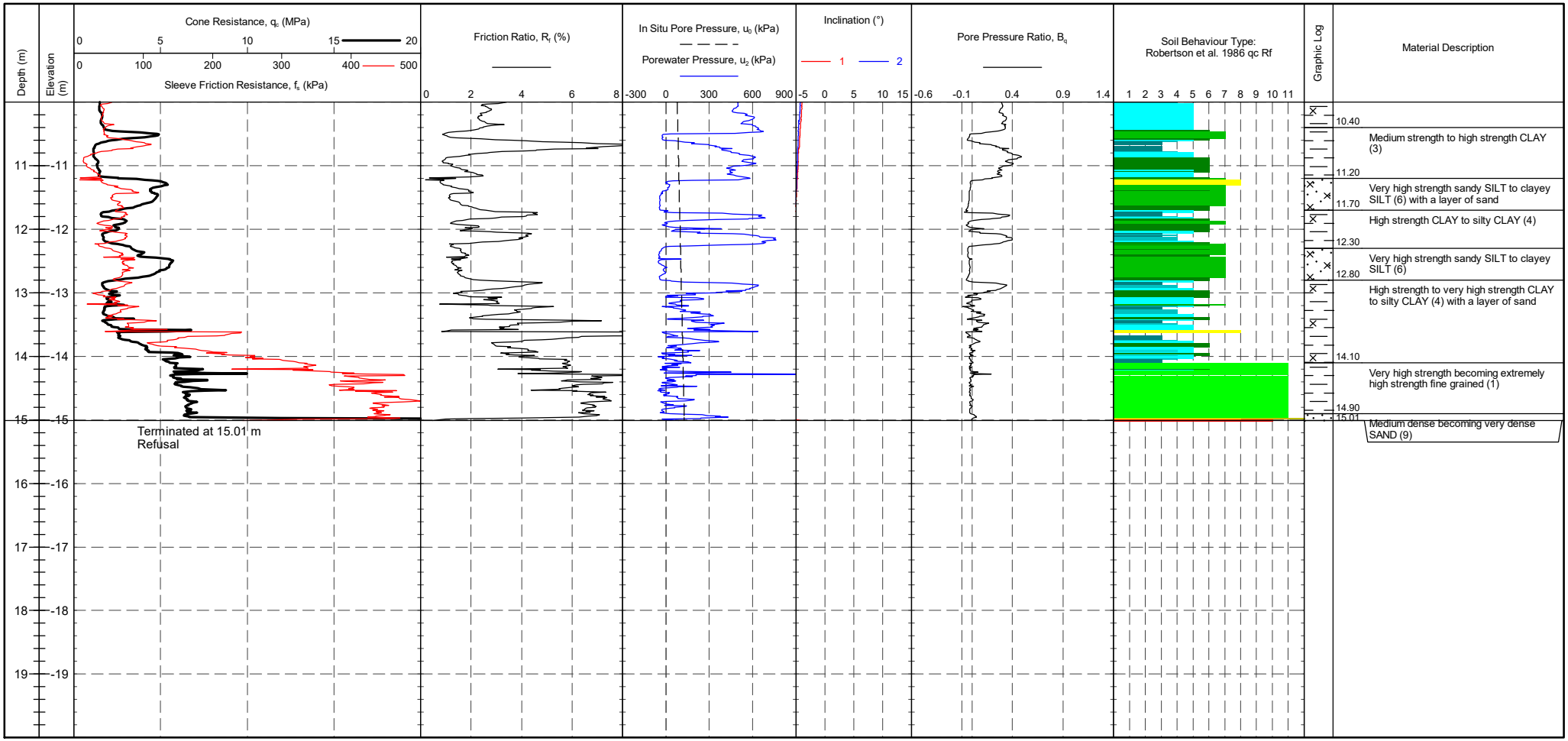
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	309 mV	308 mV	-0.011 MPa
Sleeve	277 mV	271 mV	-0.004 kPa
Pore Pressure 2	242 mV	271 mV	0.008 kPa
X-Y Inclinometer	2403 mV	2427 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

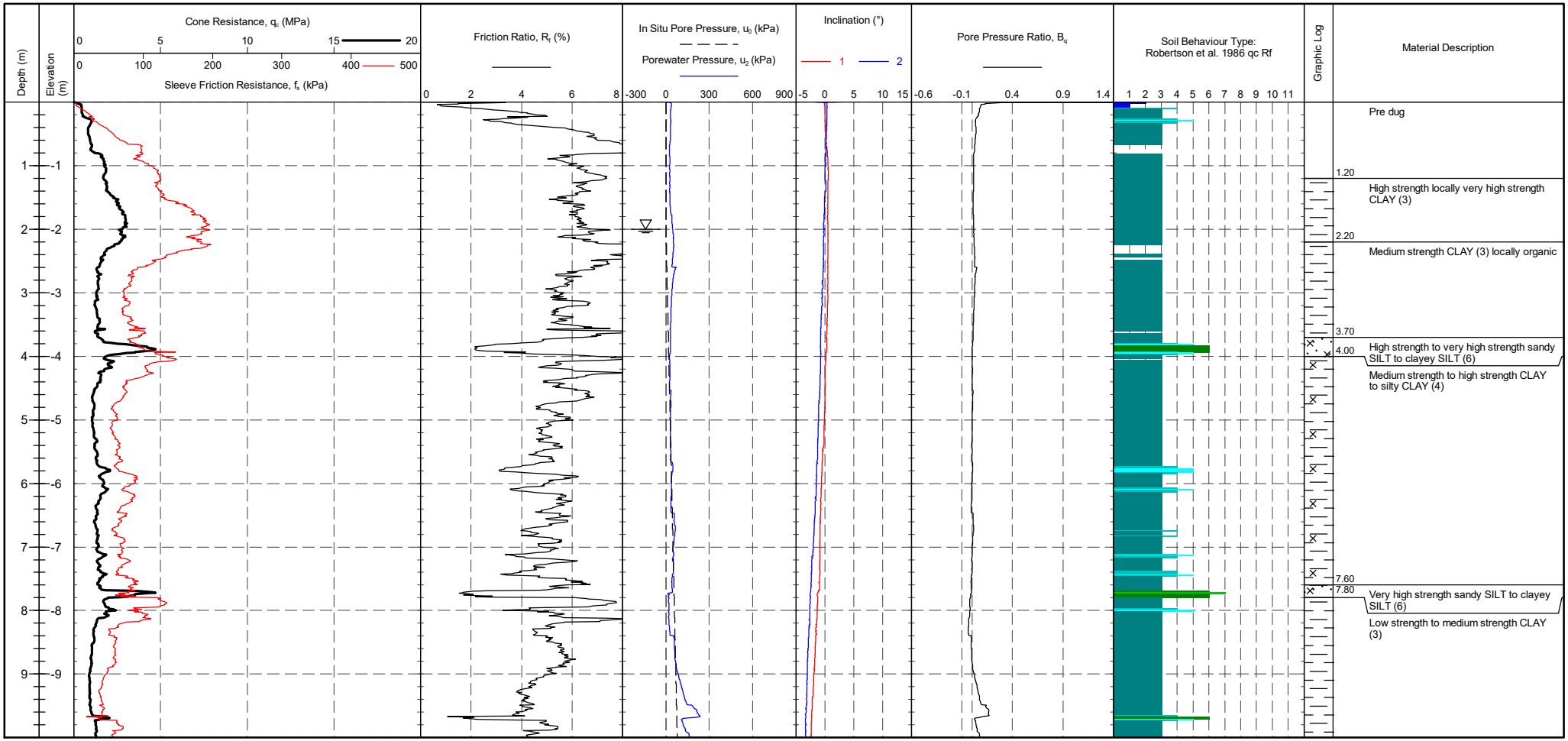
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	306 mV	0.011 MPa
Sleeve	263 mV	266 mV	0.002 kPa
Pore Pressure 2	260 mV	235 mV	-0.007 kPa
X-Y Inclinometer	2427 mV	2439 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

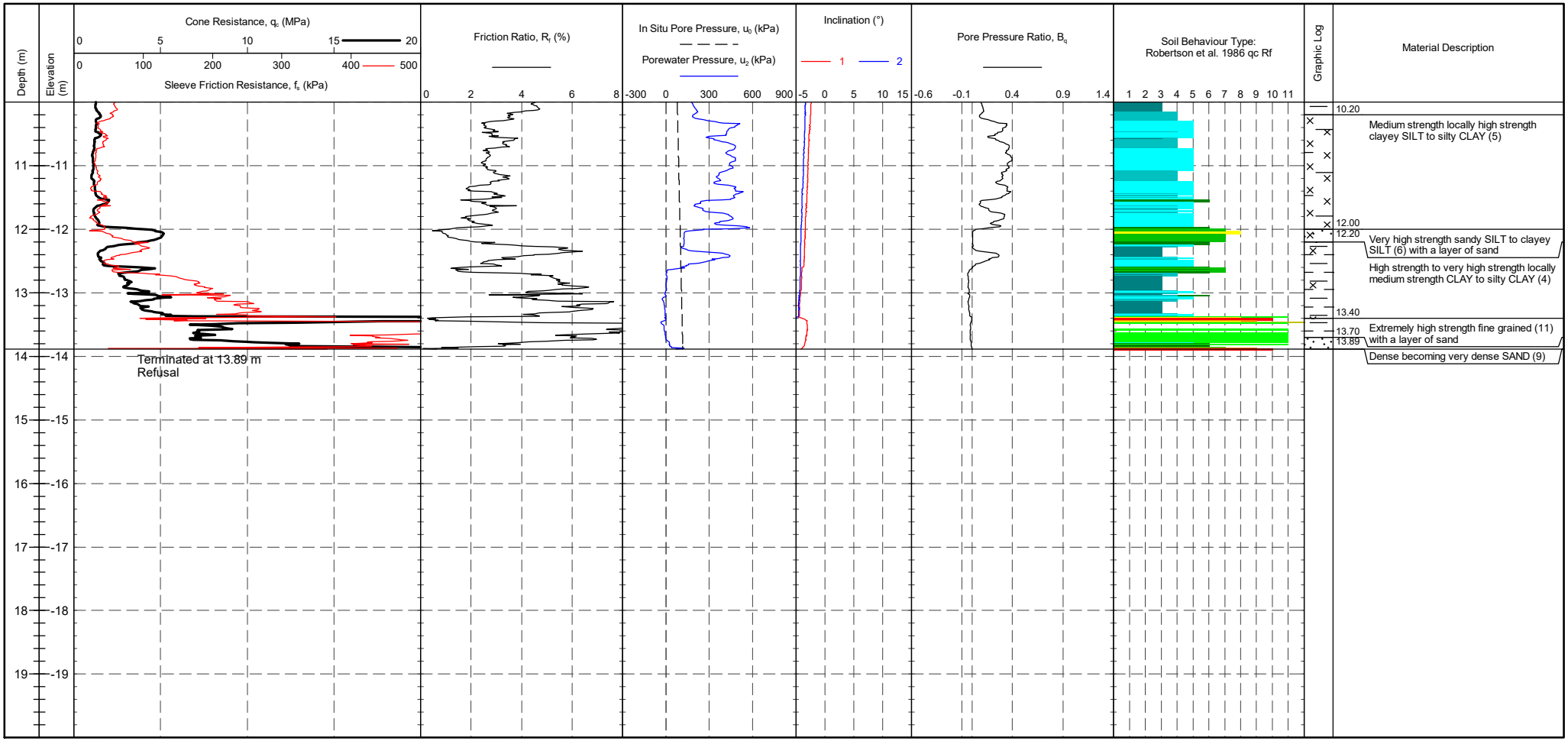
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	306 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	263 mV	266 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	Pore Pressure 2	260 mV	235 mV	-0.007 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2427 mV	2439 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

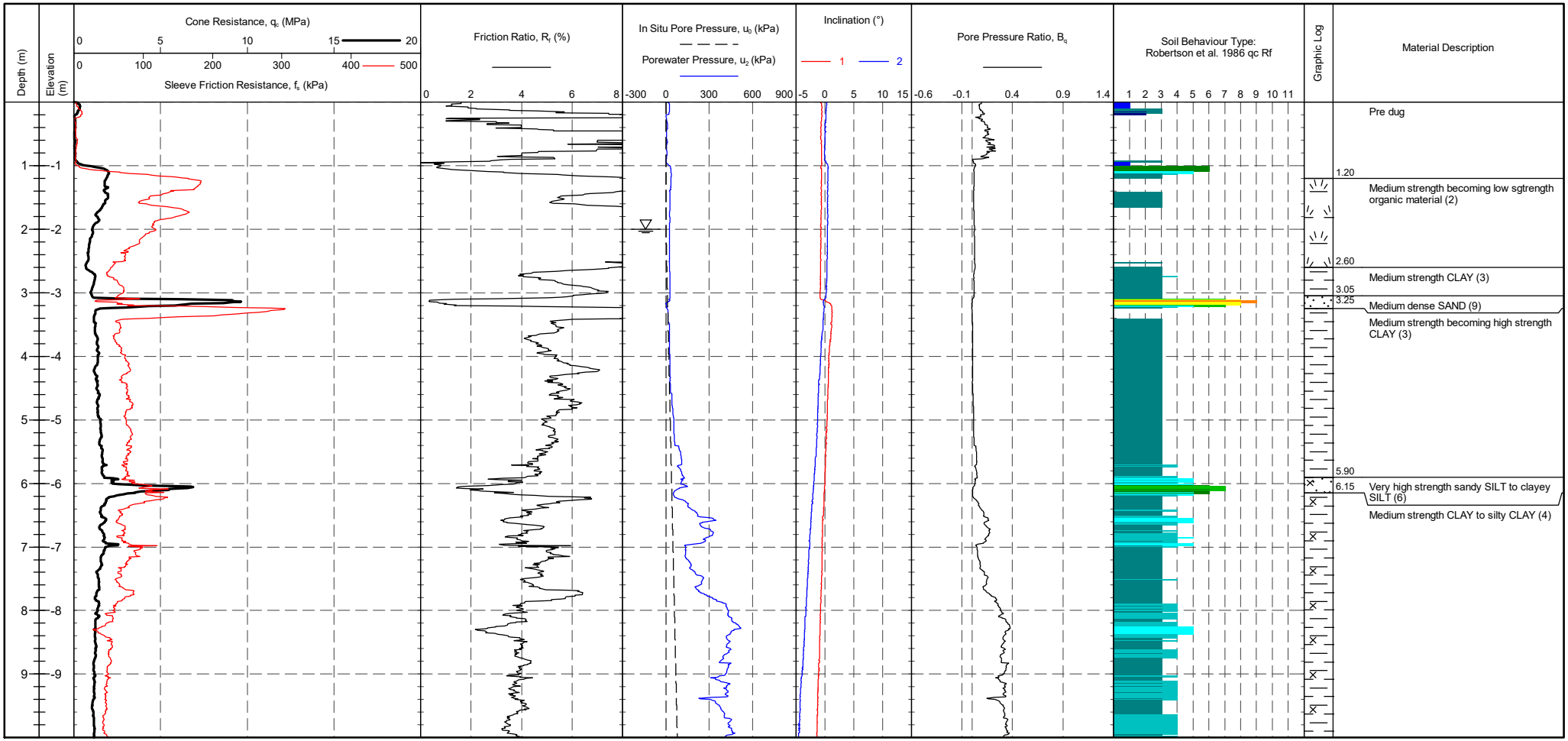
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 16

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 2
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 04/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	304 mV	-0.011 MPa
Sleeve	266 mV	265 mV	-0.001 kPa
Pore Pressure 2	227 mV	262 mV	0.01 kPa
X-Y Inclinometer	2411 mV	2426 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

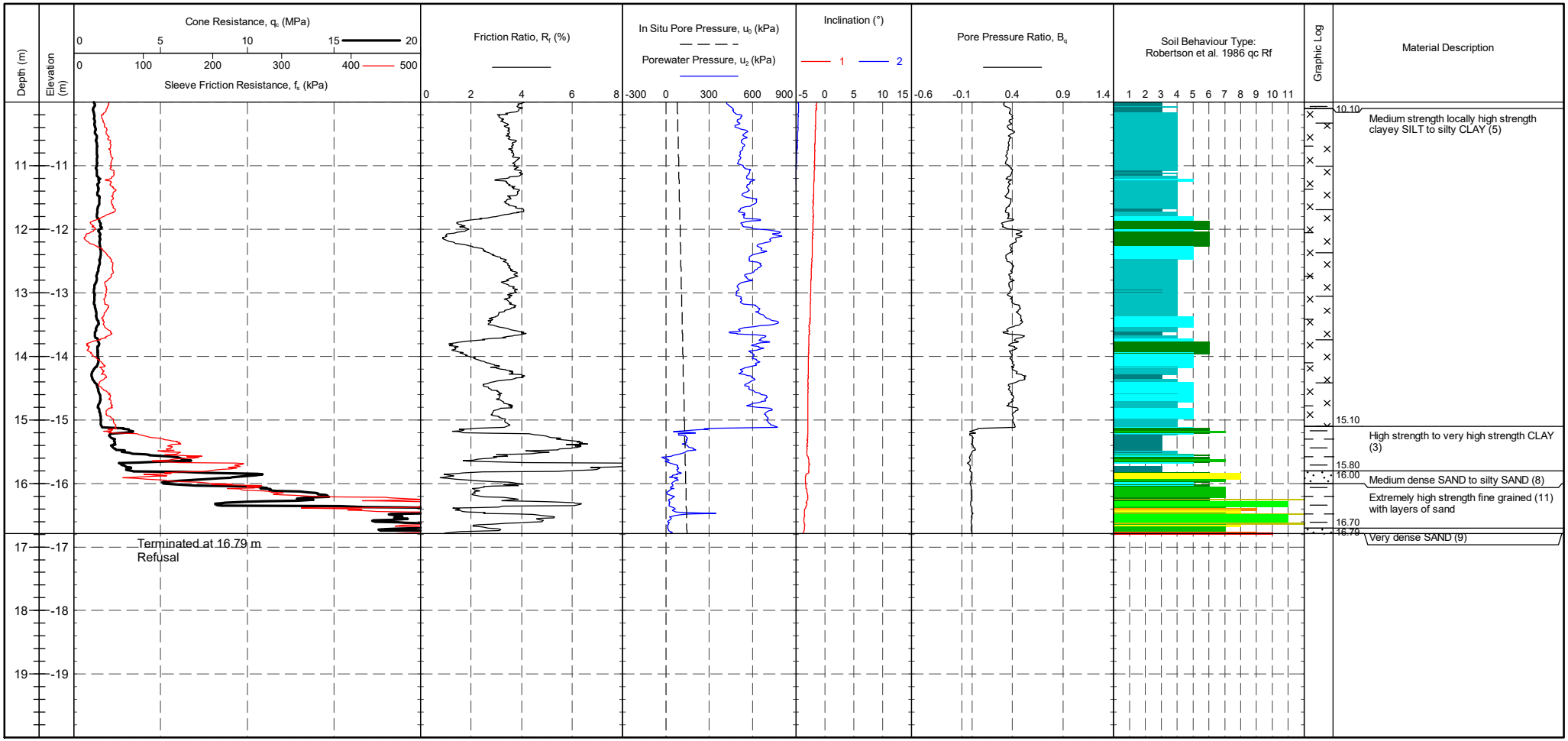
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	266 mV	265 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	Pore Pressure 2	227 mV	262 mV	0.01 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2411 mV	2426 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

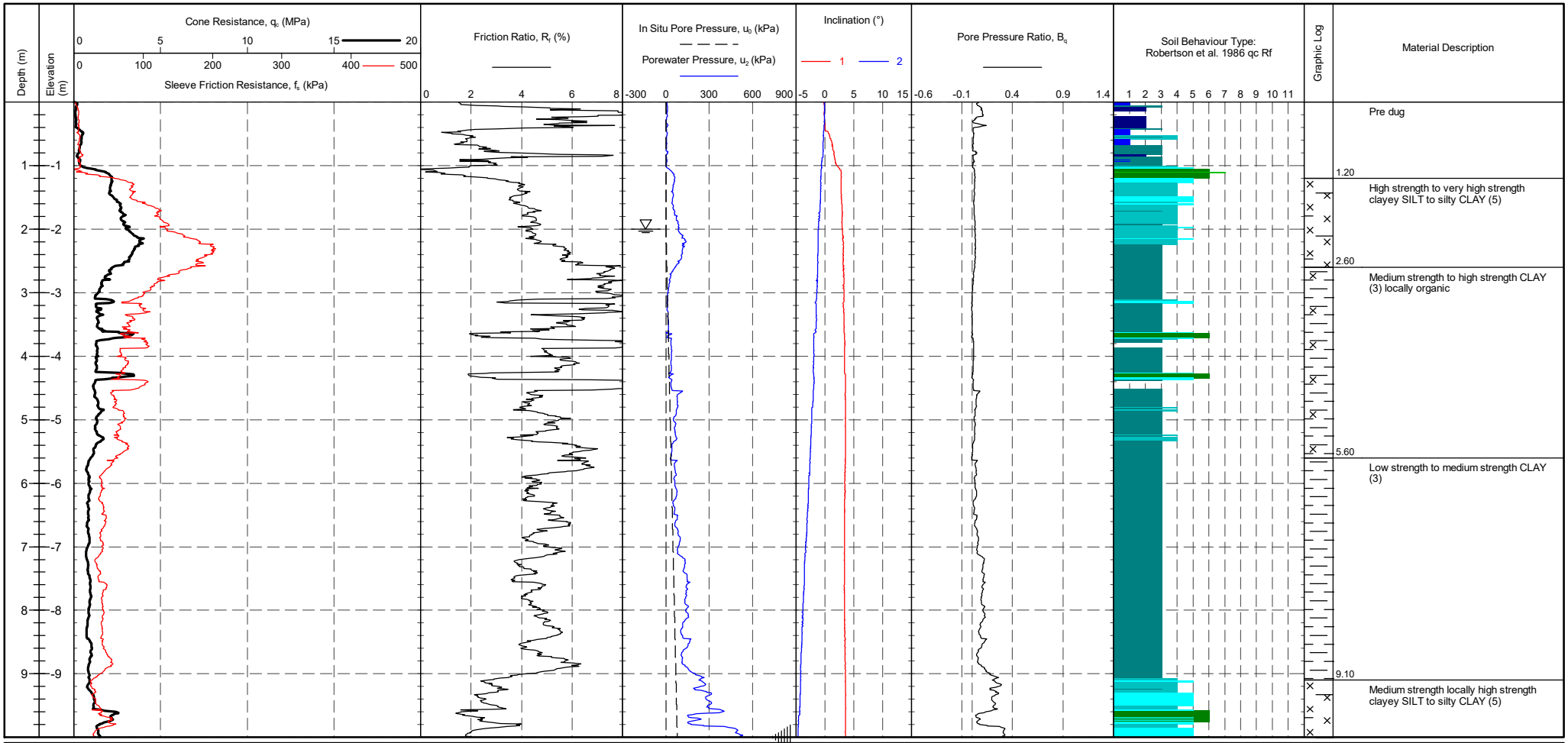
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	305 mV	0 MPa
Sleeve	279 mV	273 mV	-0.004 kPa
Pore Pressure 2	238 mV	276 mV	0.011 kPa
X-Y Inclinometer	2446 mV	2466 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

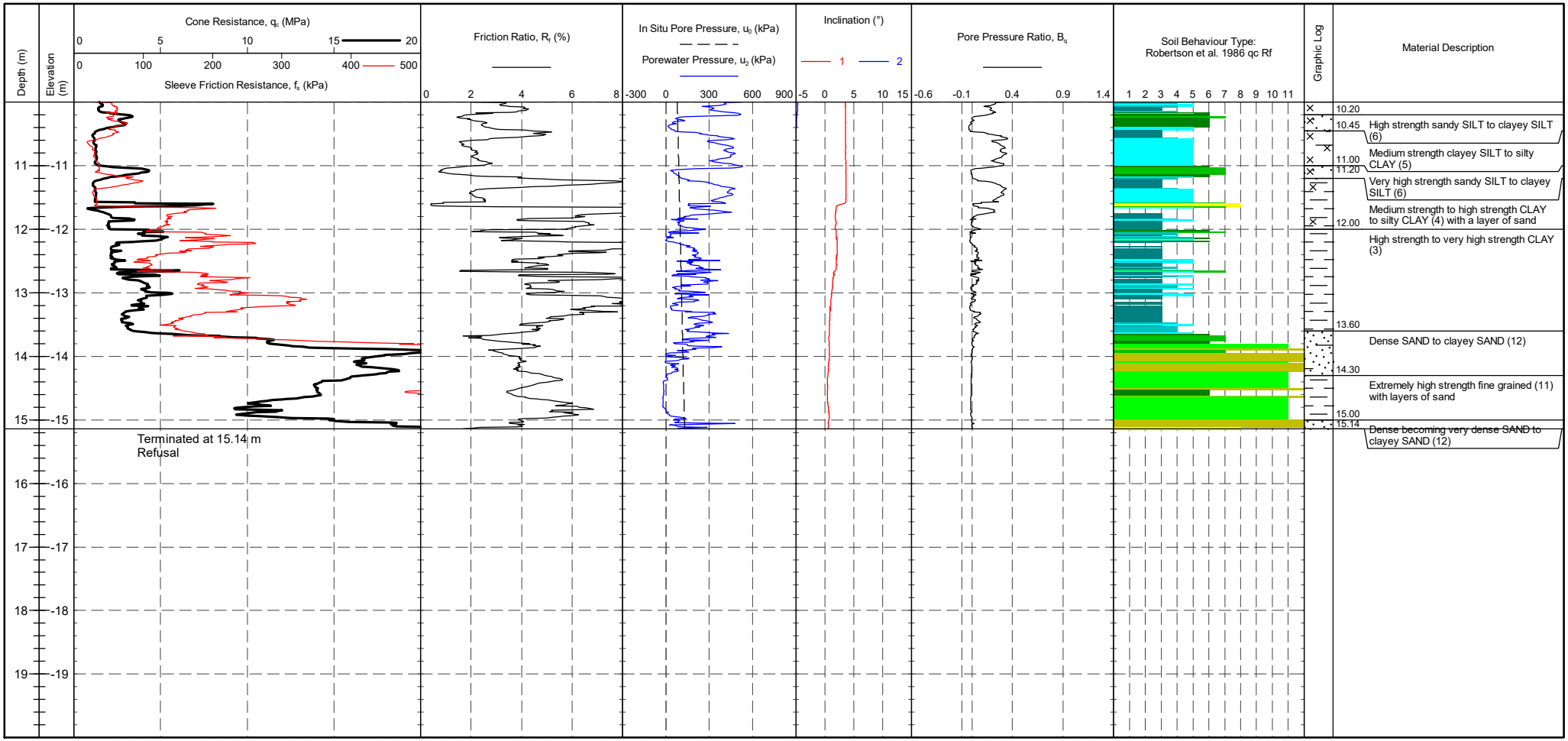
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	305 mV	0 MPa
Sleeve	279 mV	273 mV	-0.004 kPa
Pore Pressure 2	238 mV	276 mV	0.011 kPa
X-Y Inclinometer	2446 mV	2466 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

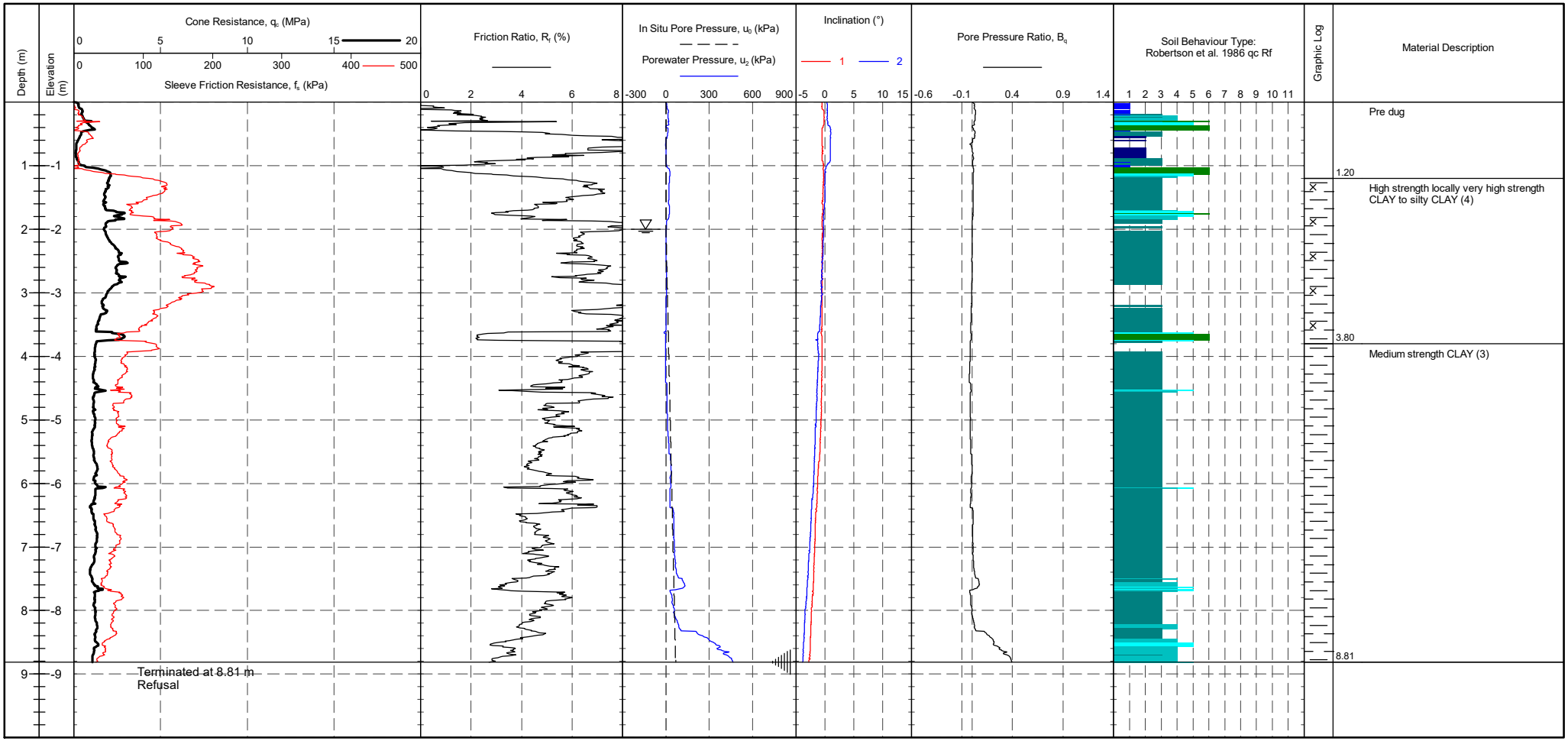
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 20

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 1
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 04/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	306 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	264 mV	265 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 20	Pore Pressure 2	253 mV	238 mV	-0.004 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2424 mV	2391 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

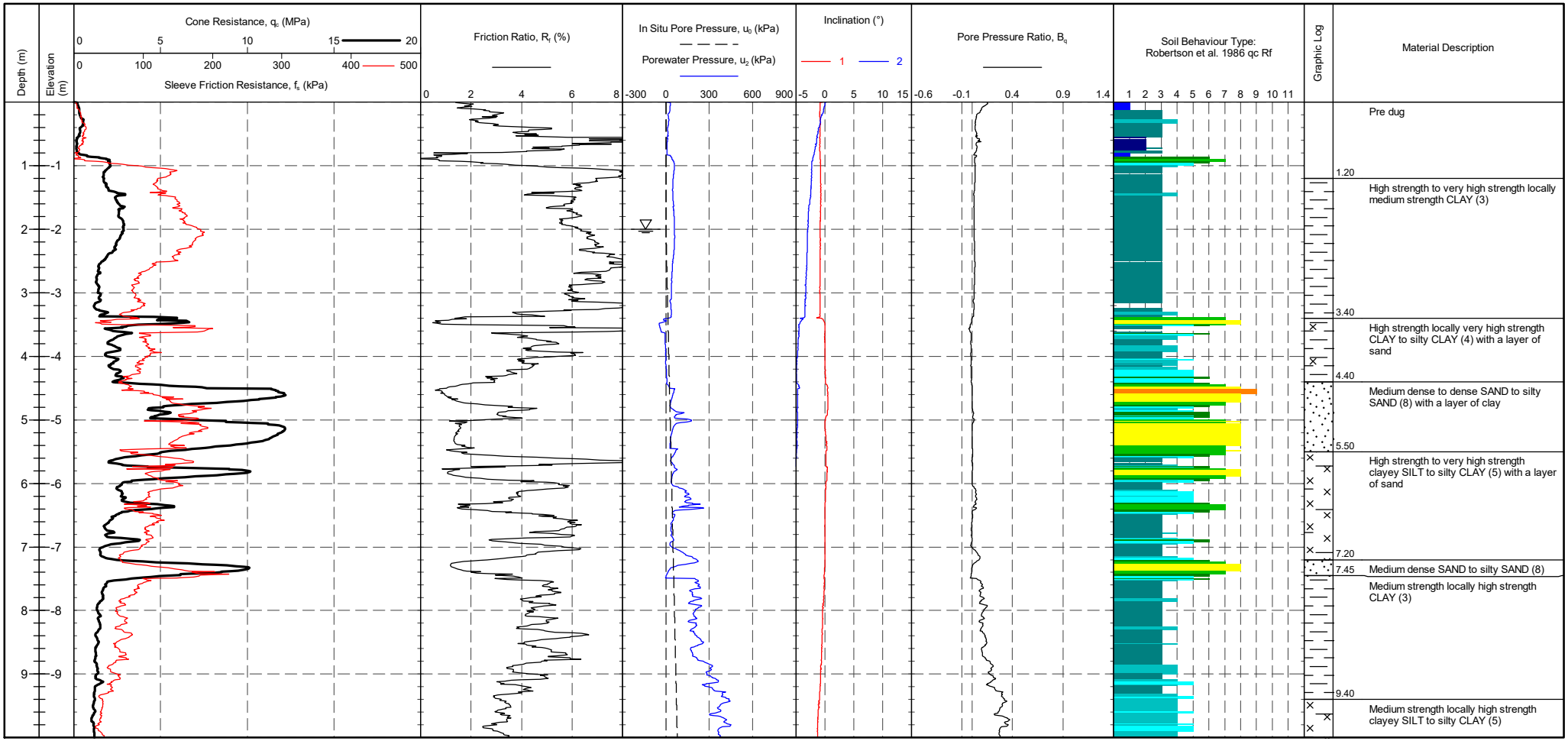
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	306 mV	306 mV	0 MPa
Sleeve	275 mV	263 mV	-0.009 kPa
Pore Pressure 2	278 mV	269 mV	-0.003 kPa
X-Y Inclinometer	2428 mV	2402 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

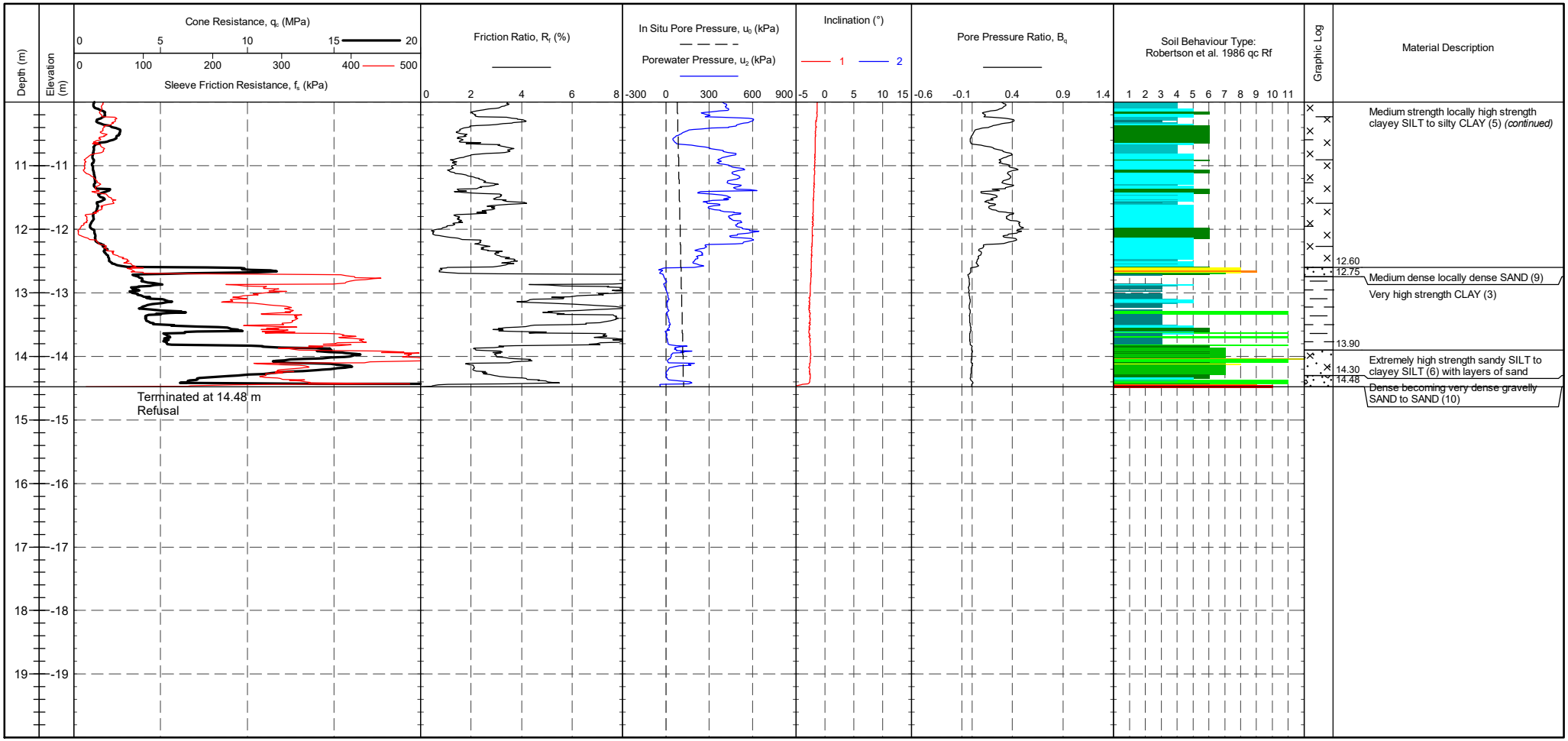
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	306 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	275 mV	263 mV	-0.009 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	Pore Pressure 2	278 mV	269 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2428 mV	2402 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

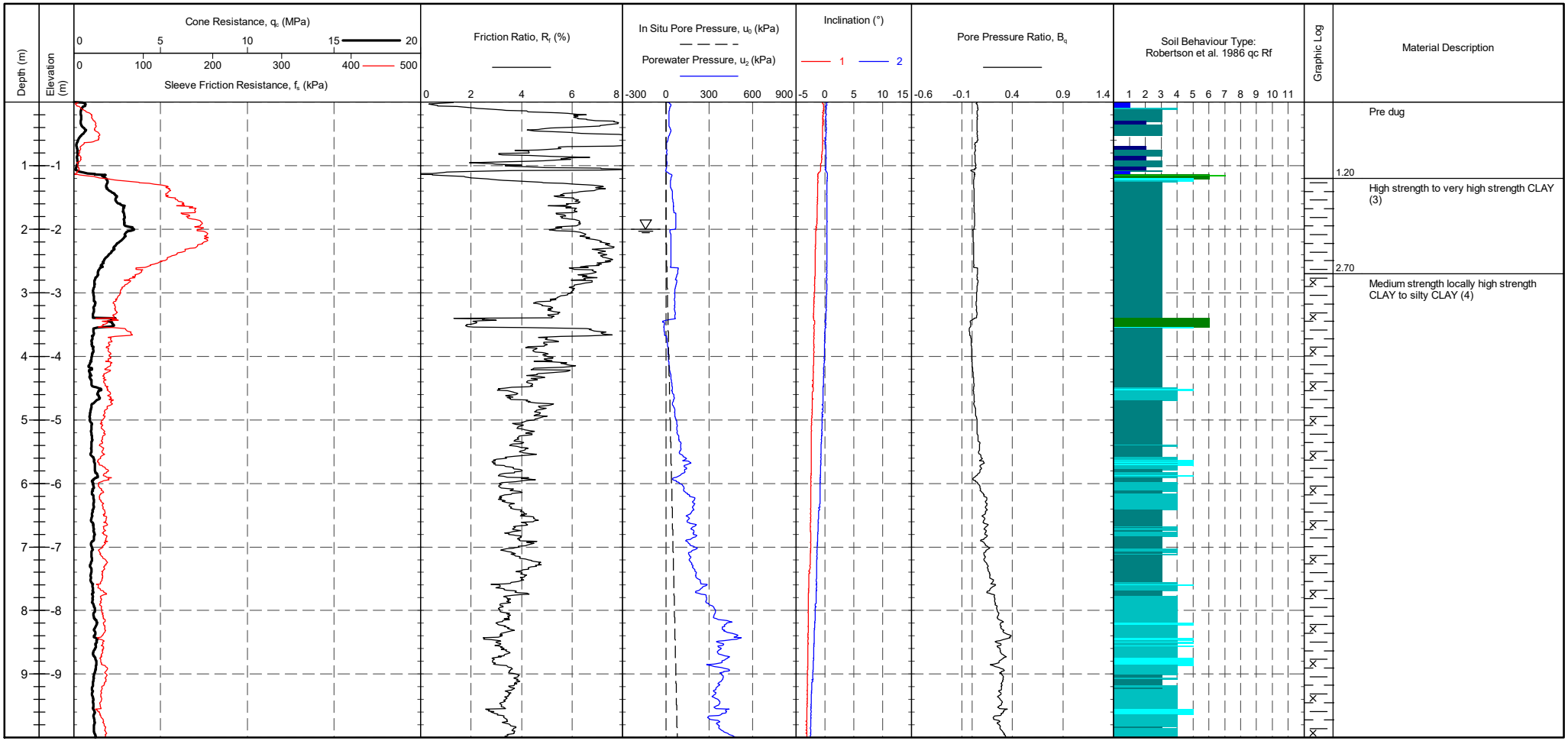
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	264 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	Pore Pressure 2	232 mV	334 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2423 mV	2428 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

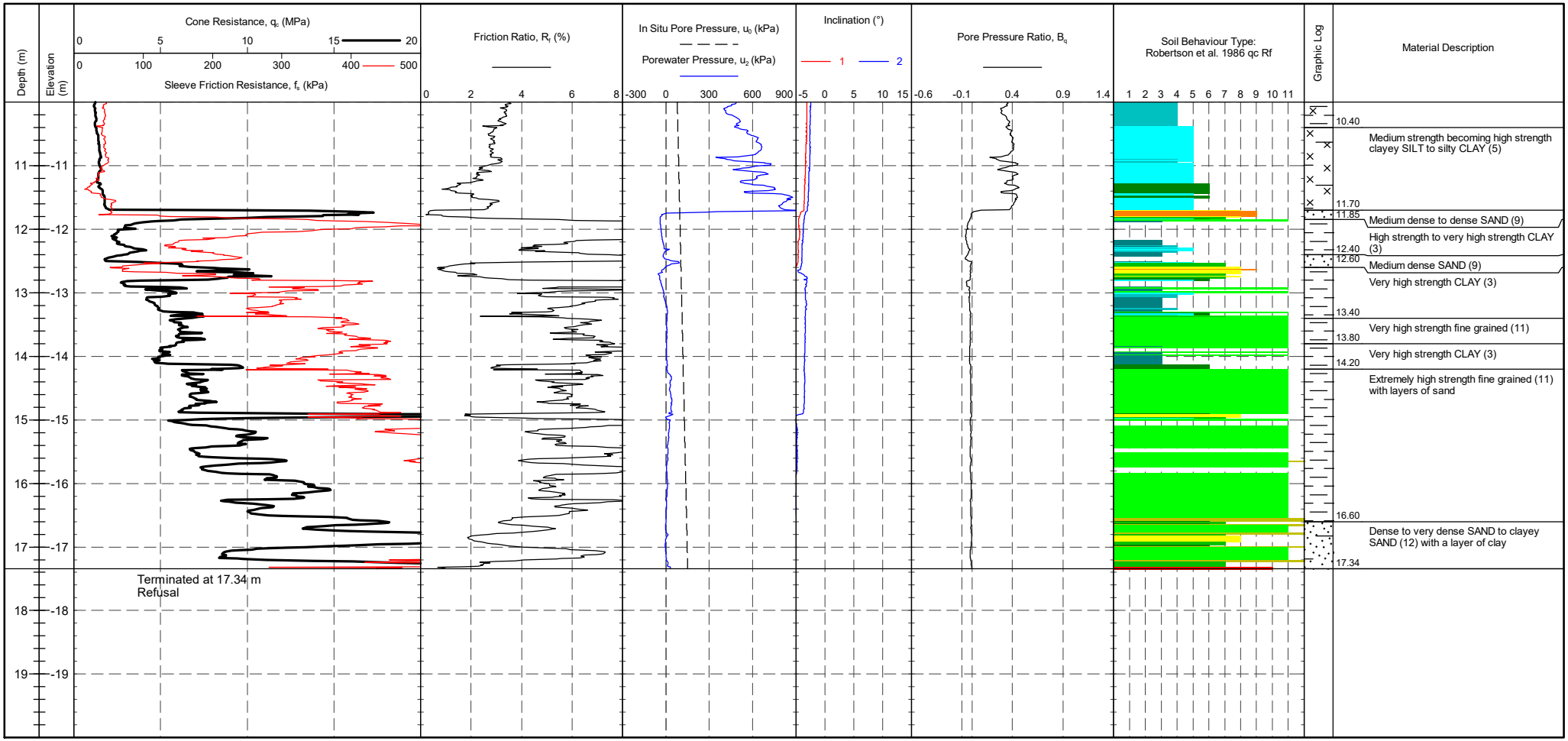
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	305 mV	0 MPa
Sleeve	269 mV	264 mV	-0.004 kPa
Pore Pressure 2	232 mV	334 mV	0.029 kPa
X-Y Inclinometer	2423 mV	2428 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

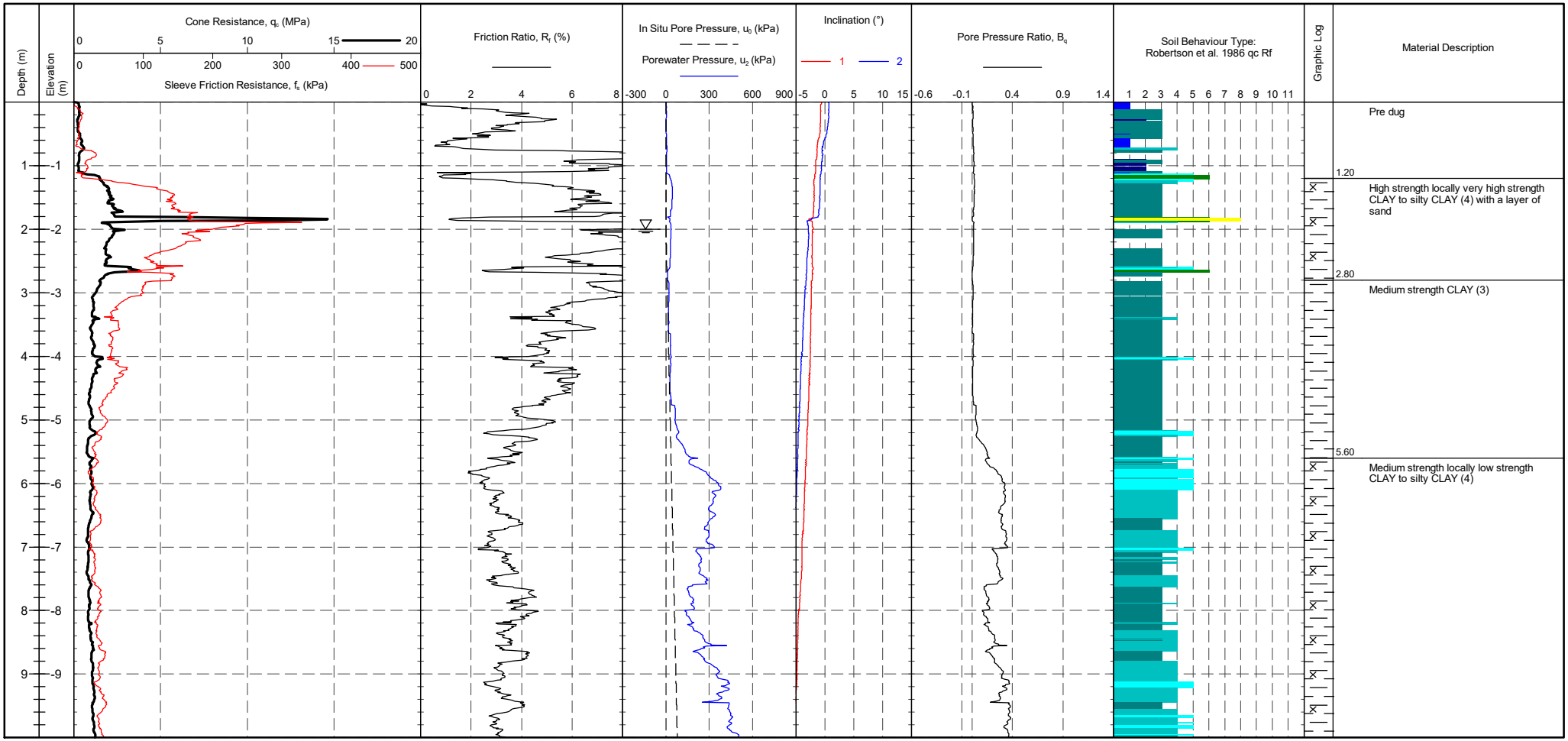
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	306 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	268 mV	269 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	Pore Pressure 2	243 mV	242 mV	0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2416 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

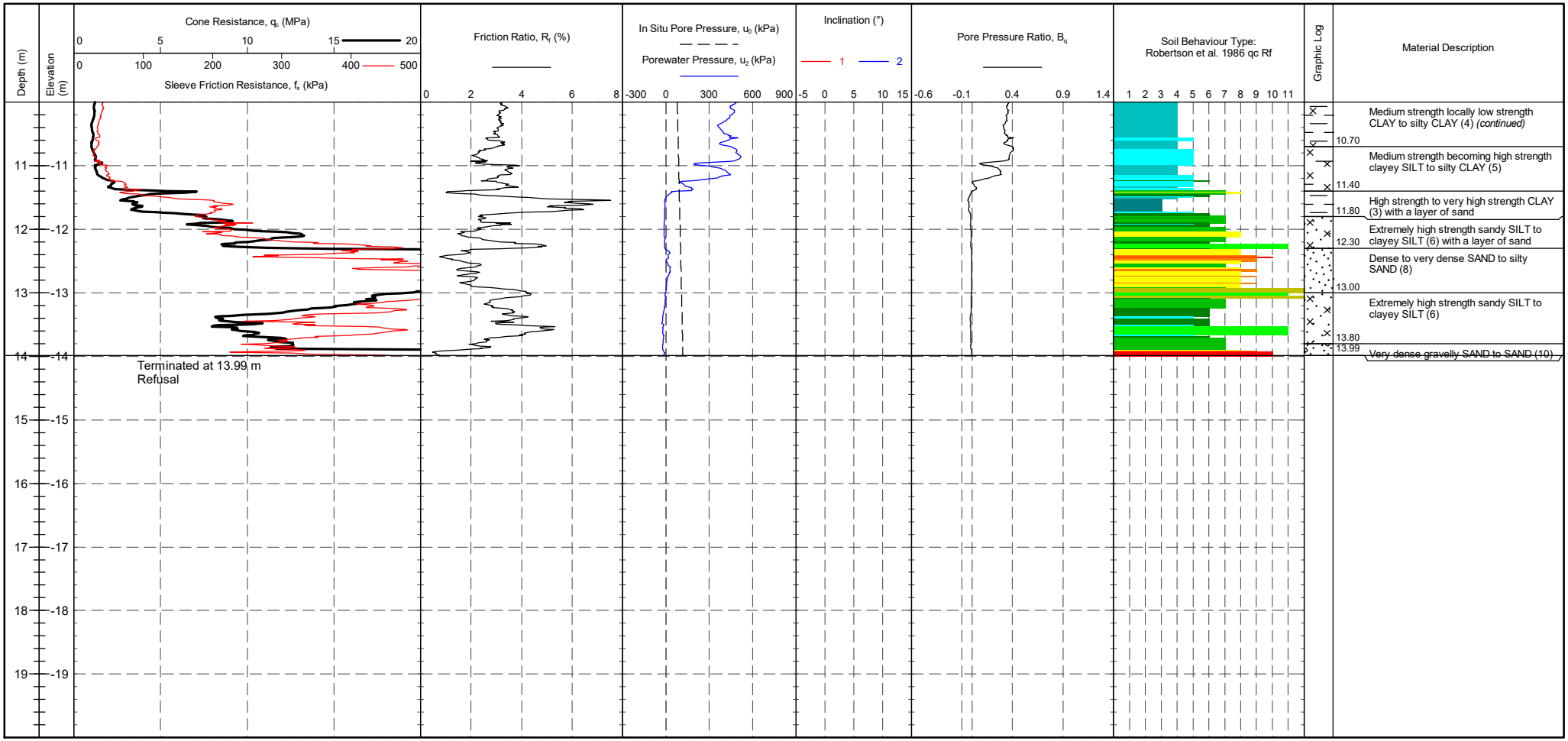
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

Transducer	Pre	Post	Difference
Tip	304 mV	306 mV	0.022 MPa
Sleeve	268 mV	269 mV	0.001 kPa
Pore Pressure 2	243 mV	242 mV	0 kPa
X-Y Inclinometer	2416 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

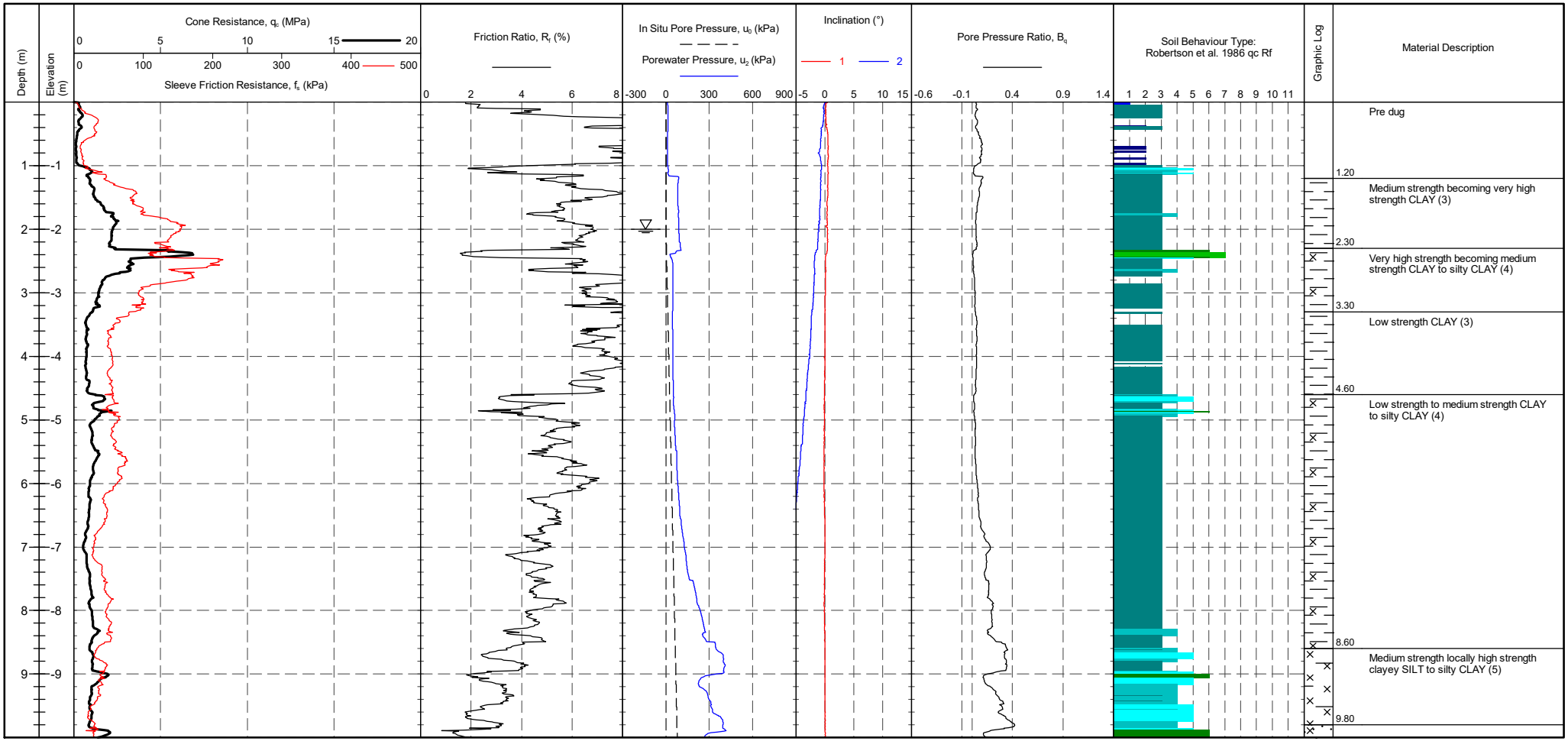
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	269 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV	361 mV	0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV	2447 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

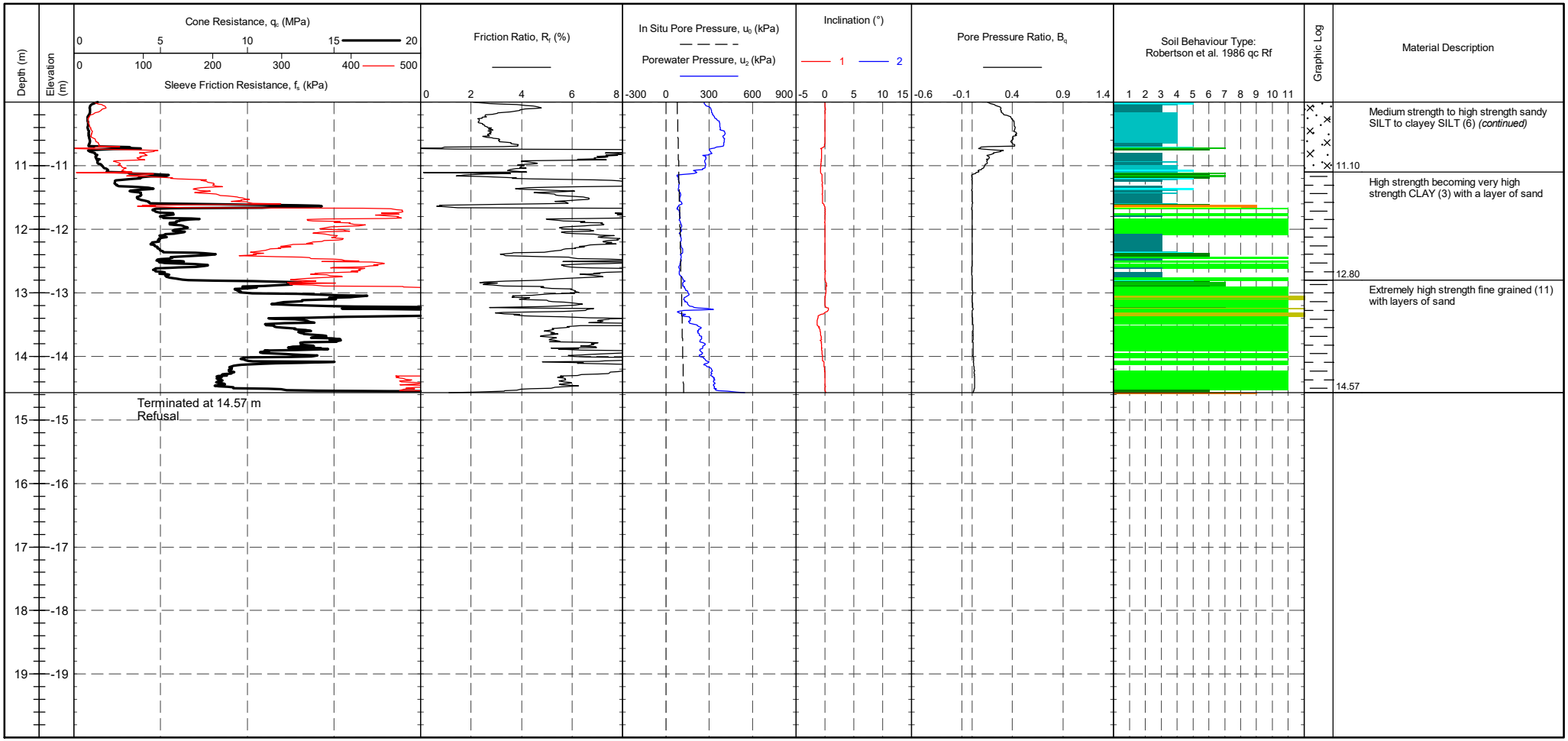
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre / Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV / 305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV / 269 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV / 361 mV	0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV / 2447 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material; 2 - Organic material; 3 - Clay; 4 - Silty clay to clay; 5 - Clayey silt to silty clay; 6 - Sandy silt to clayey silt; 7 - Silty sand to sandy silt; 8 - Sand to silty sand; 9 - Sand; 10 - Gravelly sand to sand; 11 - Very stiff fine grained; 12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

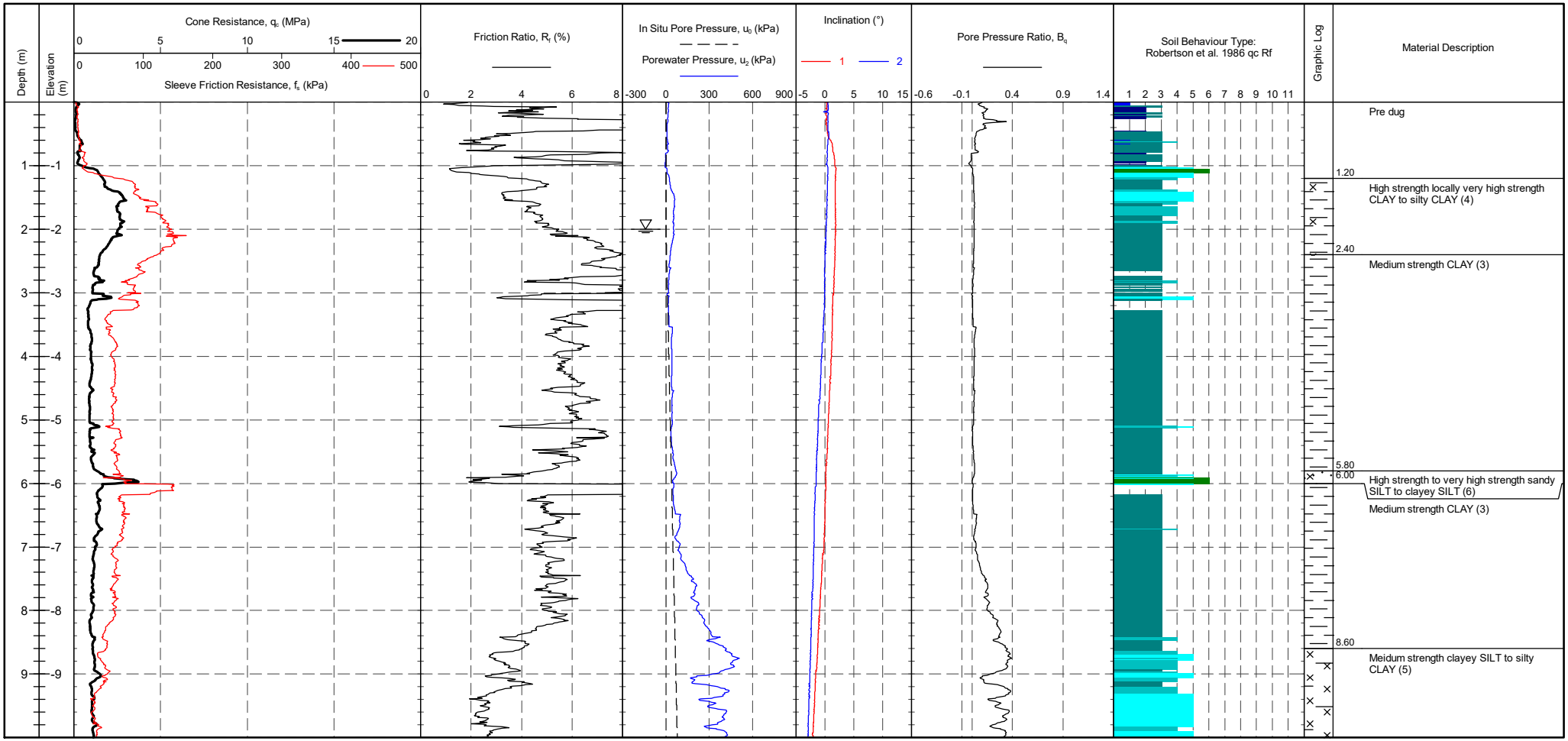
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	306 mV	301 mV	-0.055 MPa
Sleeve	292 mV	284 mV	-0.006 kPa
Pore Pressure 2	229 mV	273 mV	0.012 kPa
X-Y Inclinometer	2468 mV	2511 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

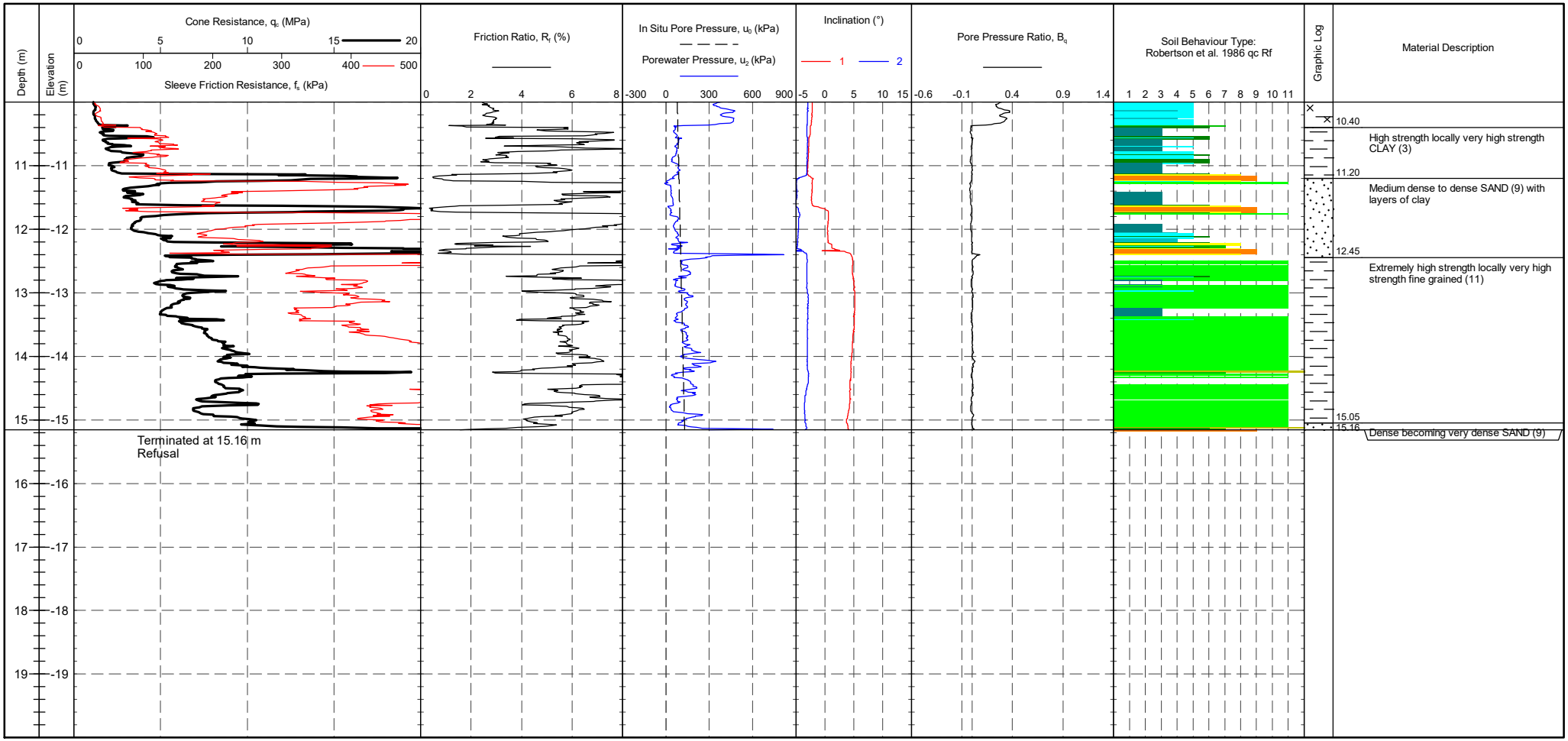
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	301 mV	-0.055 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	292 mV	284 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	Pore Pressure 2	229 mV	273 mV	0.012 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2468 mV	2511 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

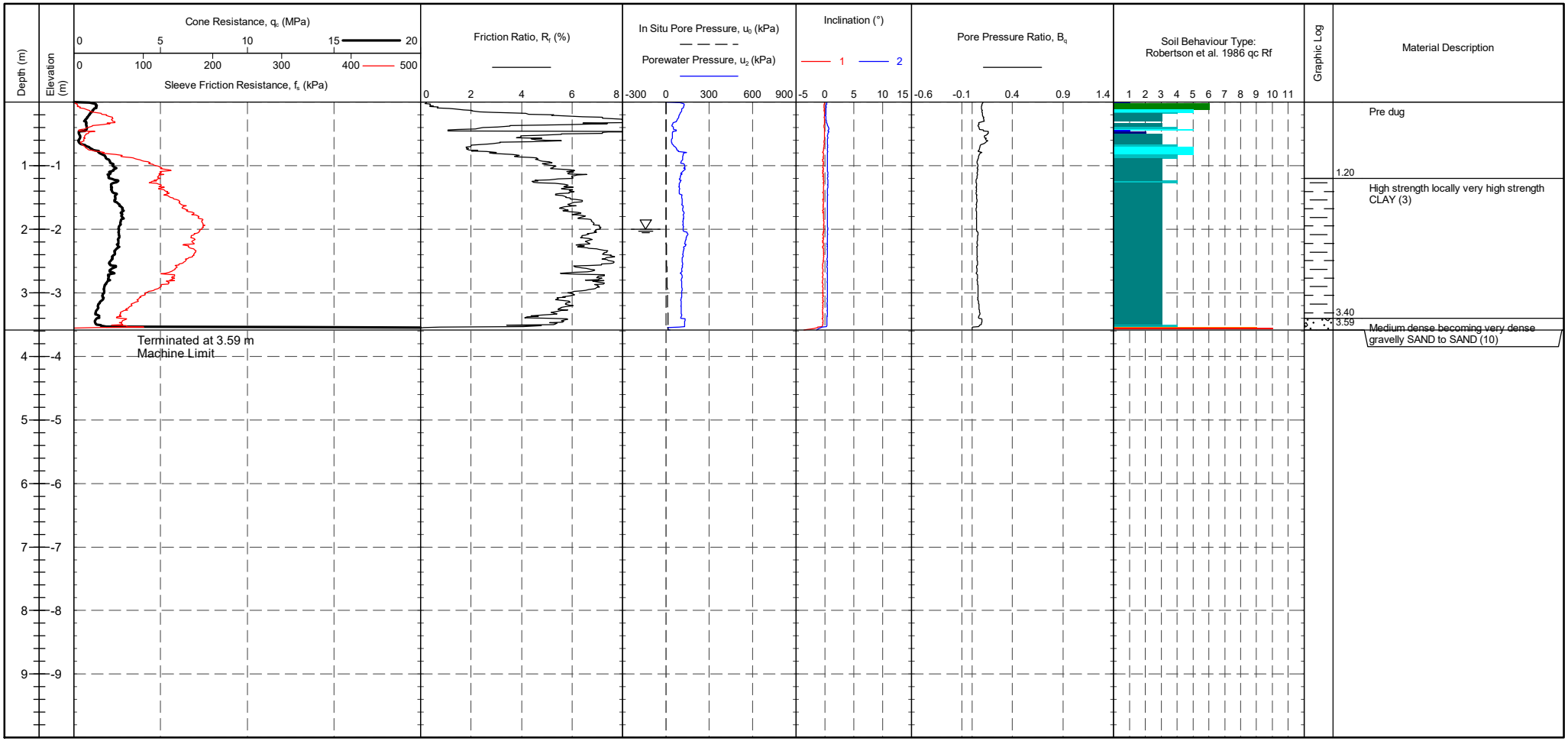
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	302 mV	308 mV	0.066 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	284 mV	290 mV	0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28	Pore Pressure 2	258 mV	257 mV	0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2455 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

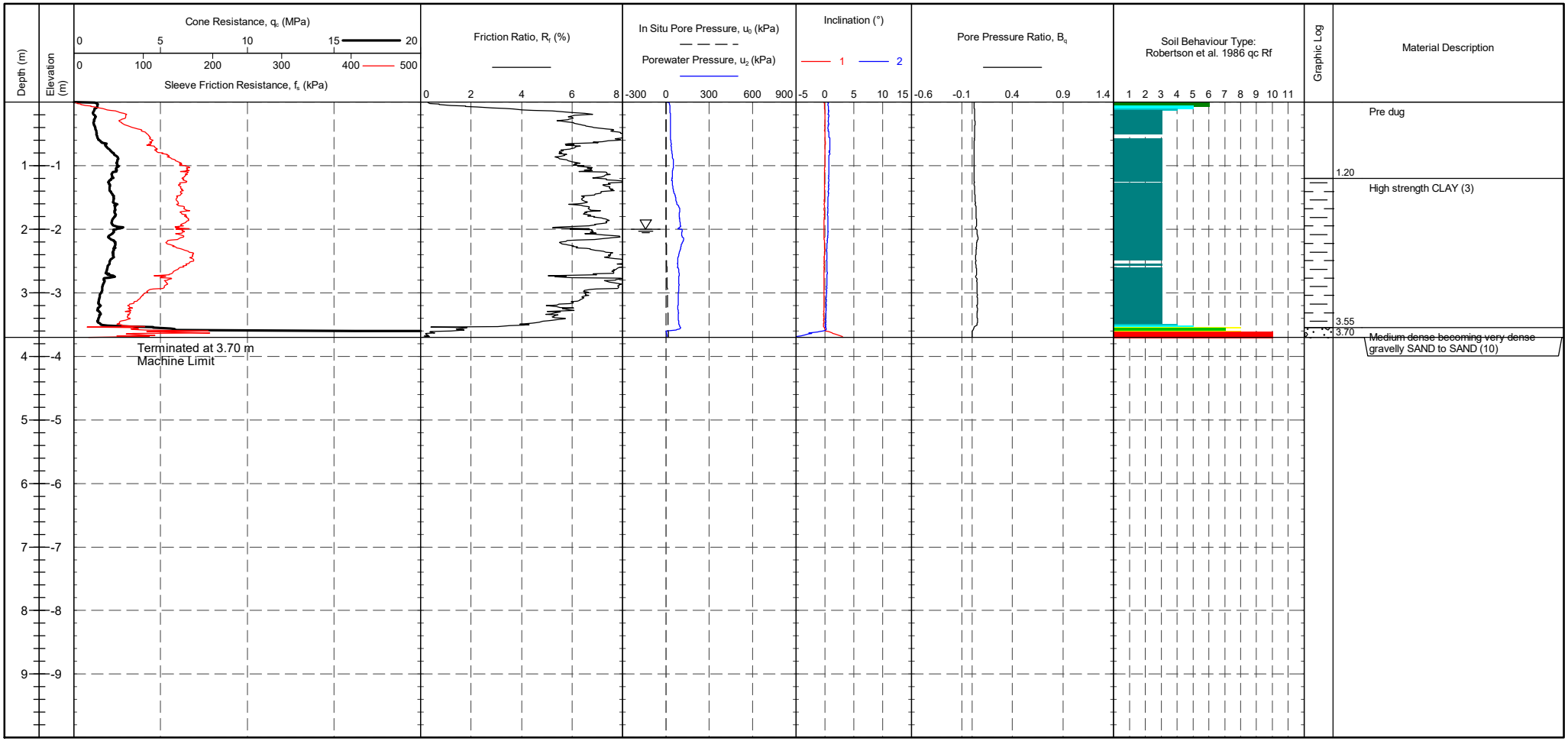
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28A		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	307 mV	310 mV	0.033 MPa
Sleeve	289 mV	287 mV	-0.001 kPa
Pore Pressure 2	256 mV	232 mV	-0.007 kPa
X-Y Inclinometer	2457 mV	2464 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

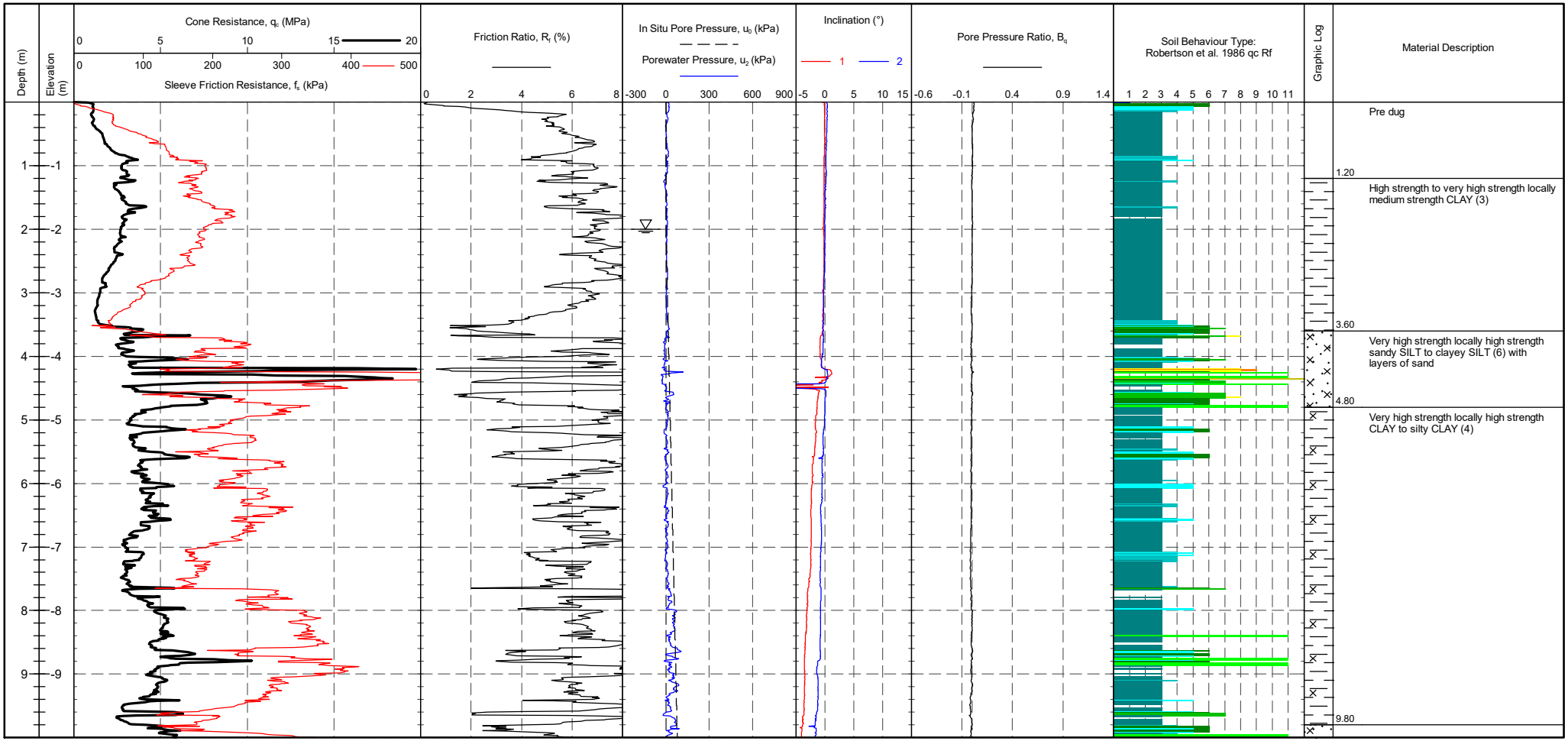
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28B

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 2
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 07/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

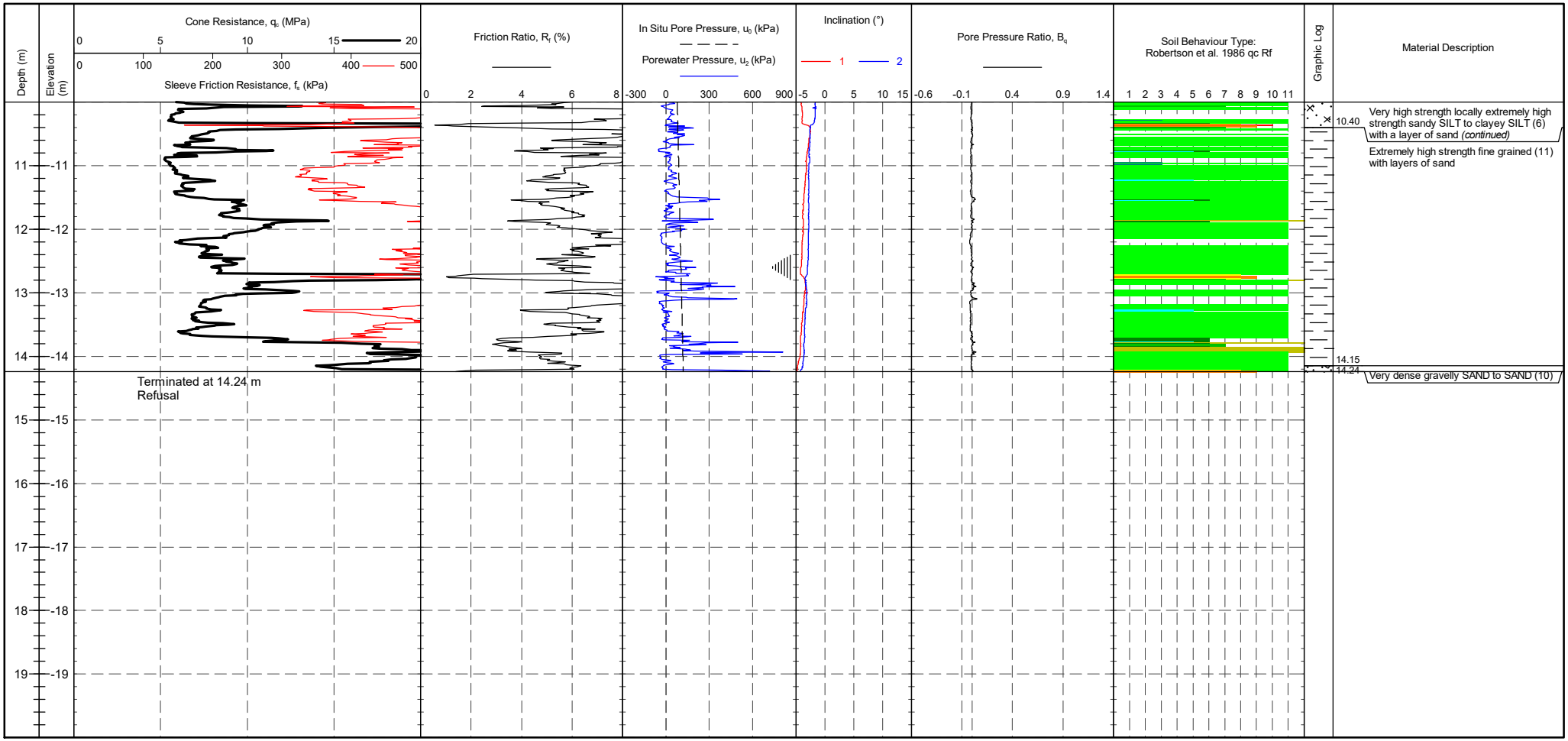
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28B

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 2 OF 2
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 07/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

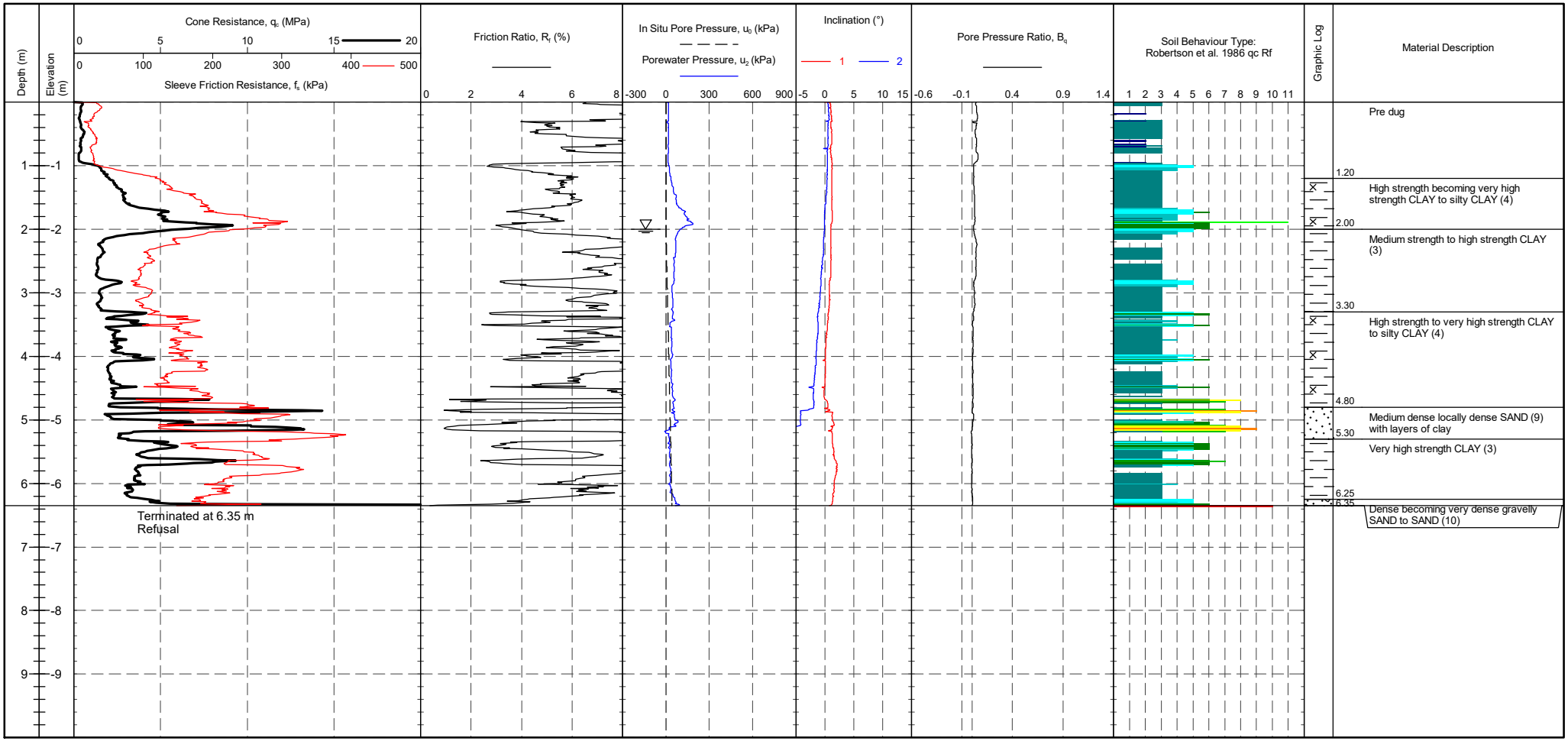
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 29

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 1
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 03/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	281 mV	280 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 29	Pore Pressure 2	223 mV	240 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2466 mV	2429 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

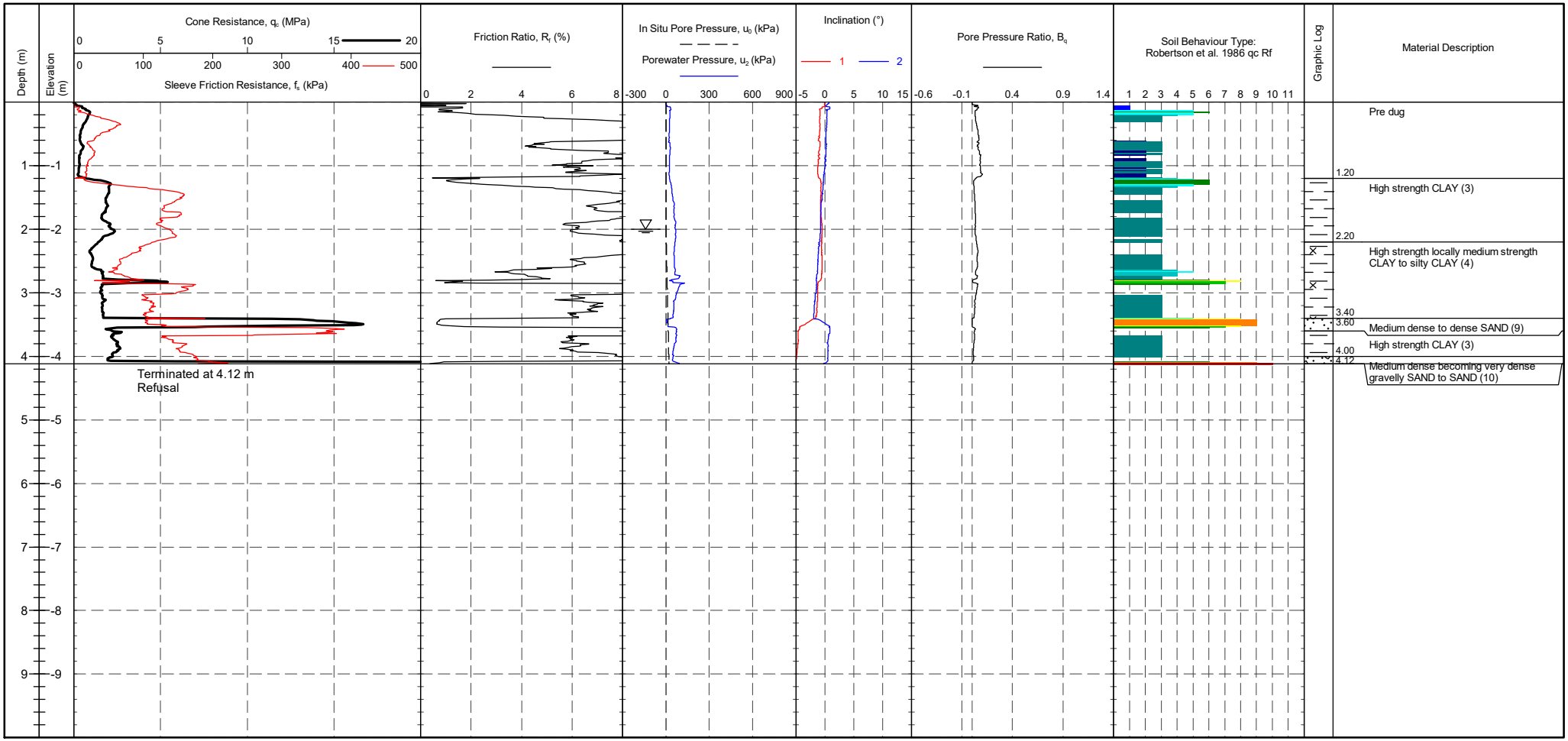
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 30

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 1
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 03/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	307 mV
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	280 mV	283 mV
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 30	Pore Pressure 2	231 mV	234 mV
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2437 mV	2466 mV

Difference
0.033 MPa
0.002 kPa
0.001 kPa

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

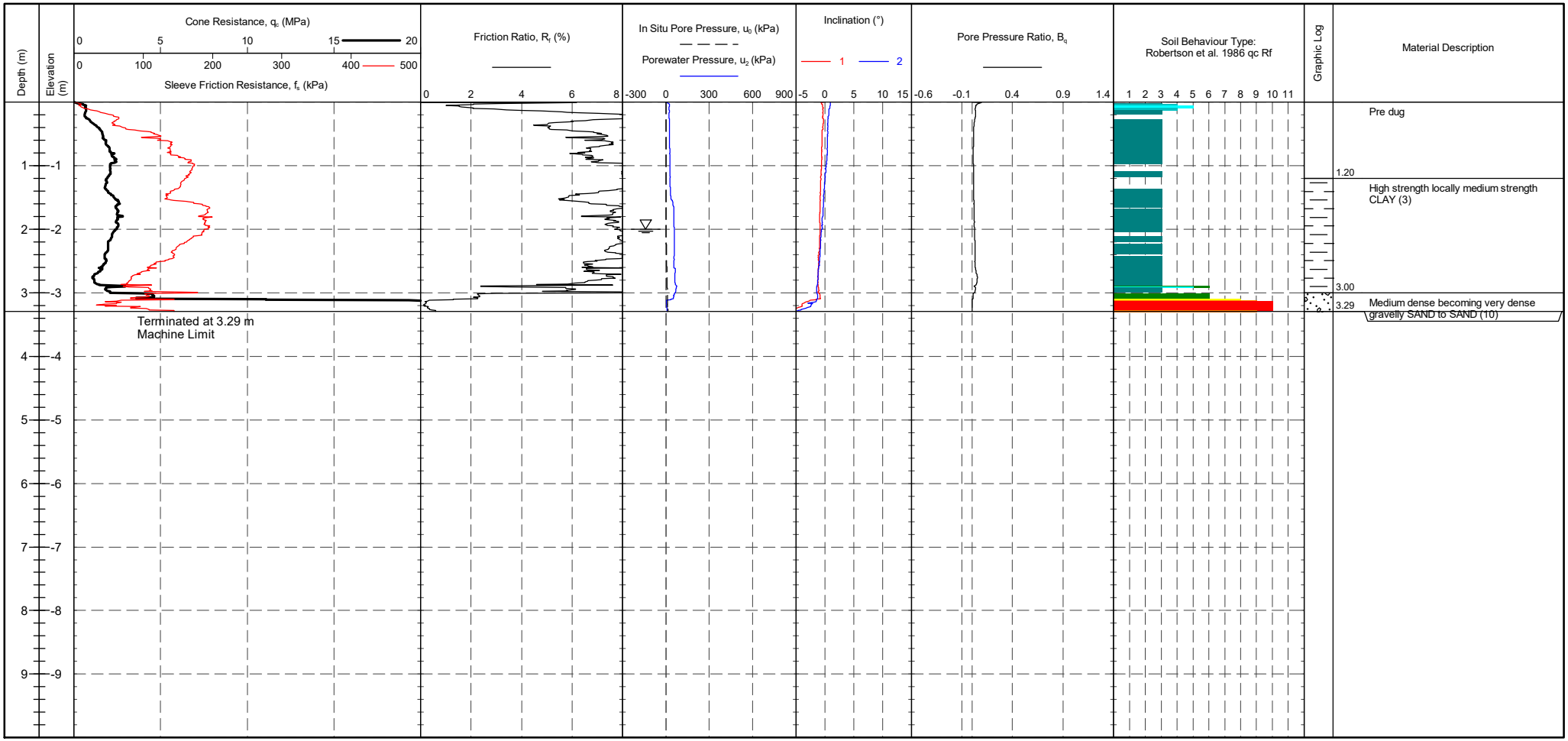
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	309 mV	0.044 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	282 mV	285 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31	Pore Pressure 2	228 mV	230 mV	0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2432 mV	2438 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

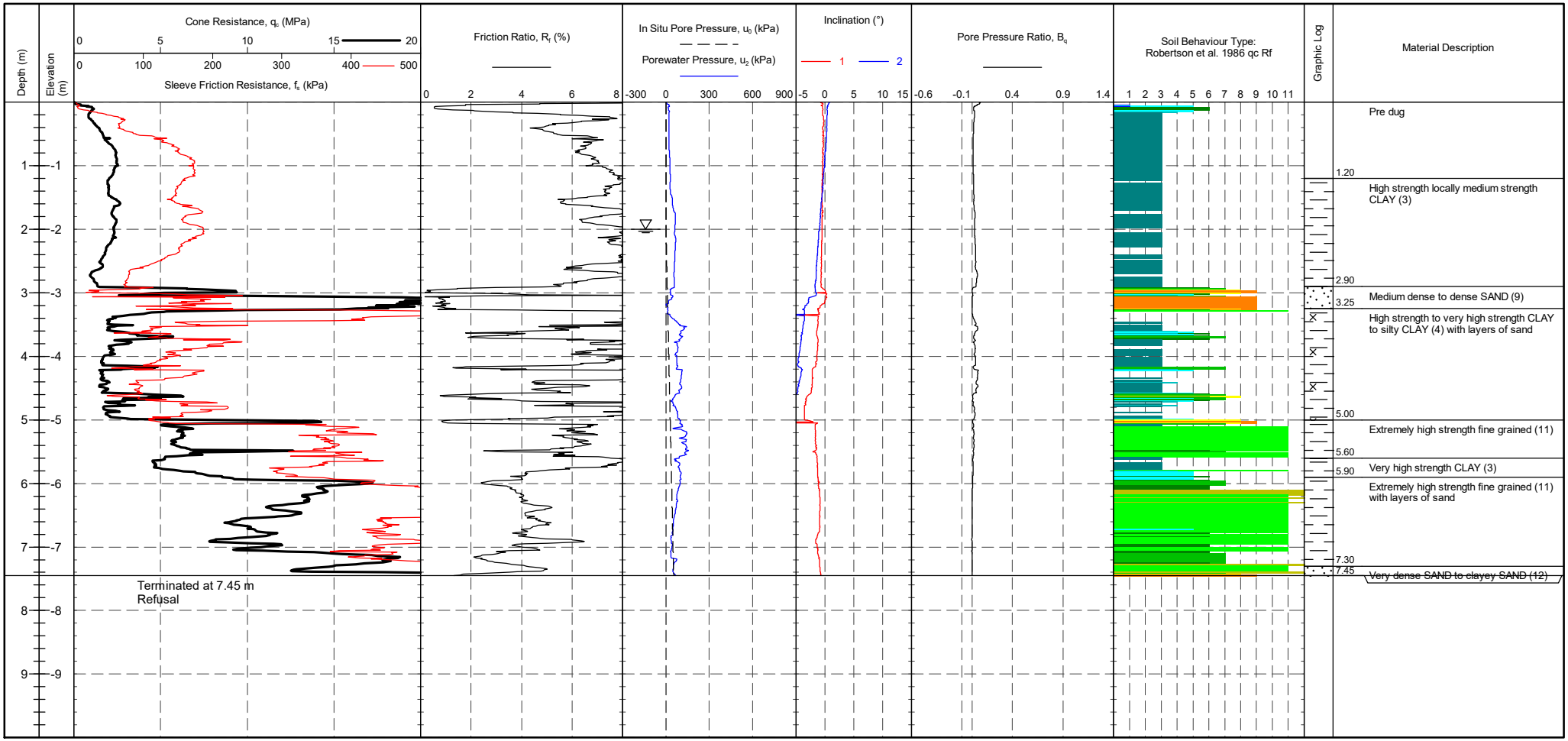
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31A		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	308 mV	305 mV	-0.033 MPa
Sleeve	284 mV	281 mV	-0.002 kPa
Pore Pressure 2	229 mV	211 mV	-0.005 kPa
X-Y Inclinometer	2439 mV	2453 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

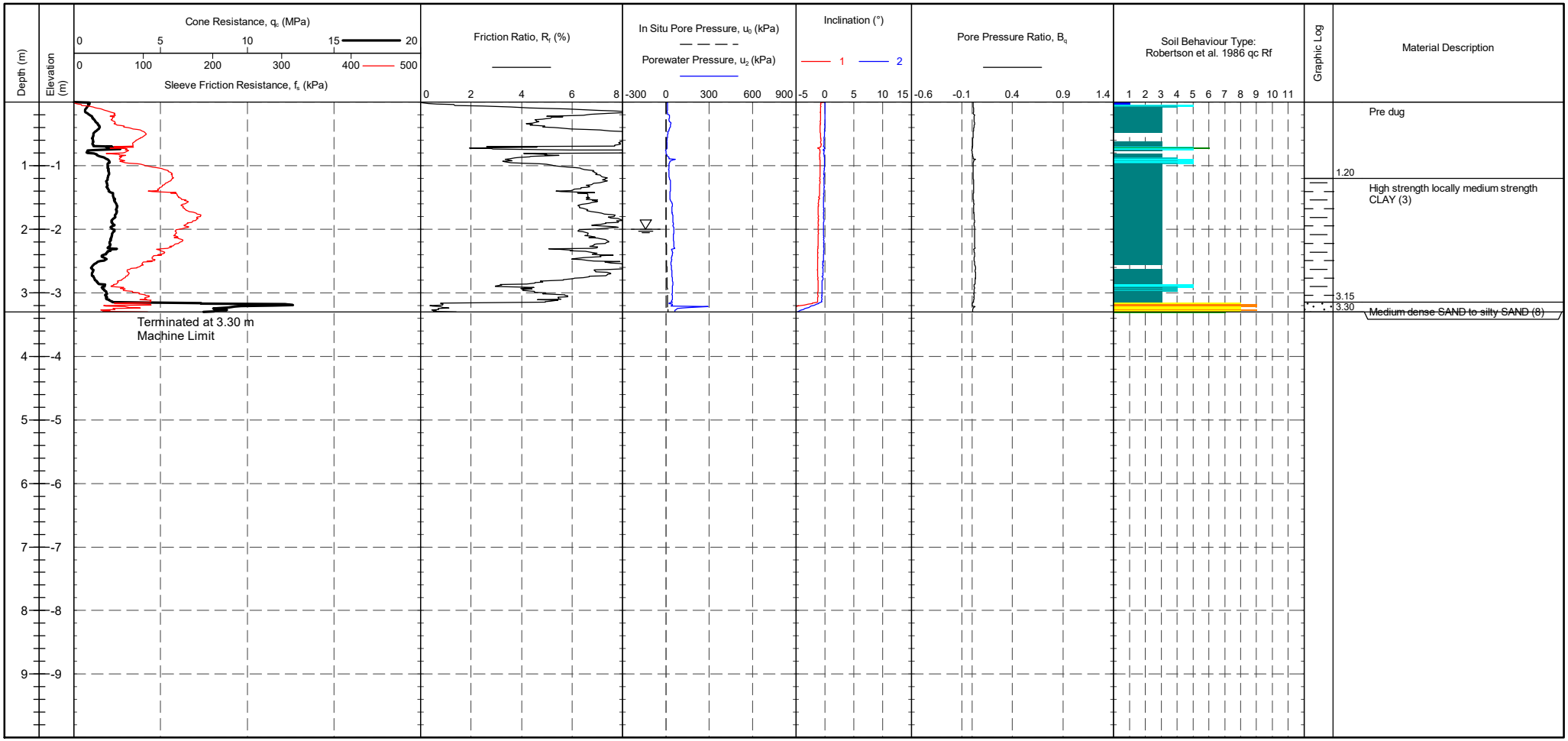
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	312 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	273 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31B	Pore Pressure 2	237 mV	282 mV	0.013 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2466 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

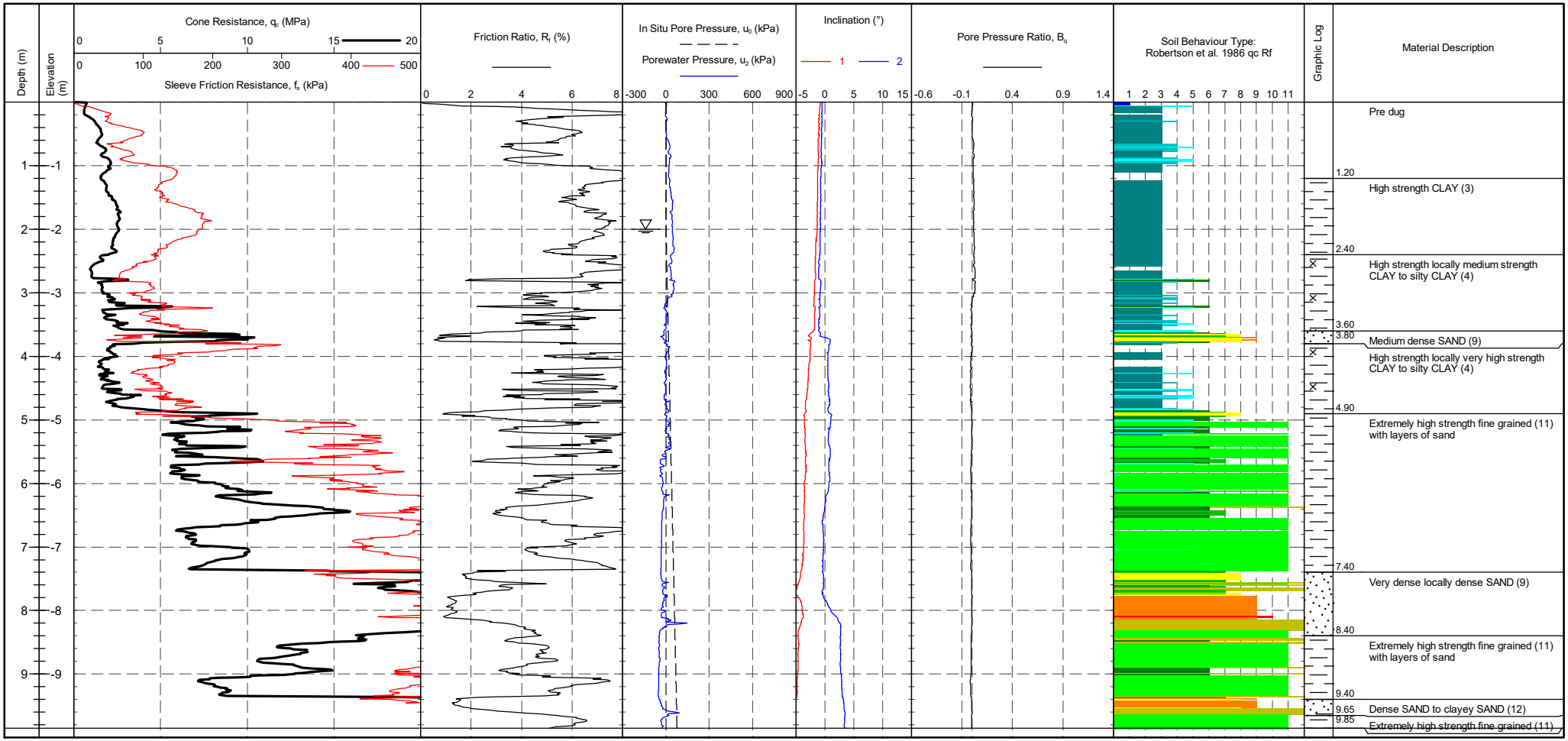
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31C

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 2
PROJECT	: Sunderland	NORTHING	:	Test refused on sleeve friction.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 07/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	311 mV	308 mV	-0.033 MPa
Sleeve	273 mV	264 mV	-0.006 kPa
Pore Pressure 2	266 mV	99 mV	-0.047 kPa
X-Y Inclinometer	2405 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

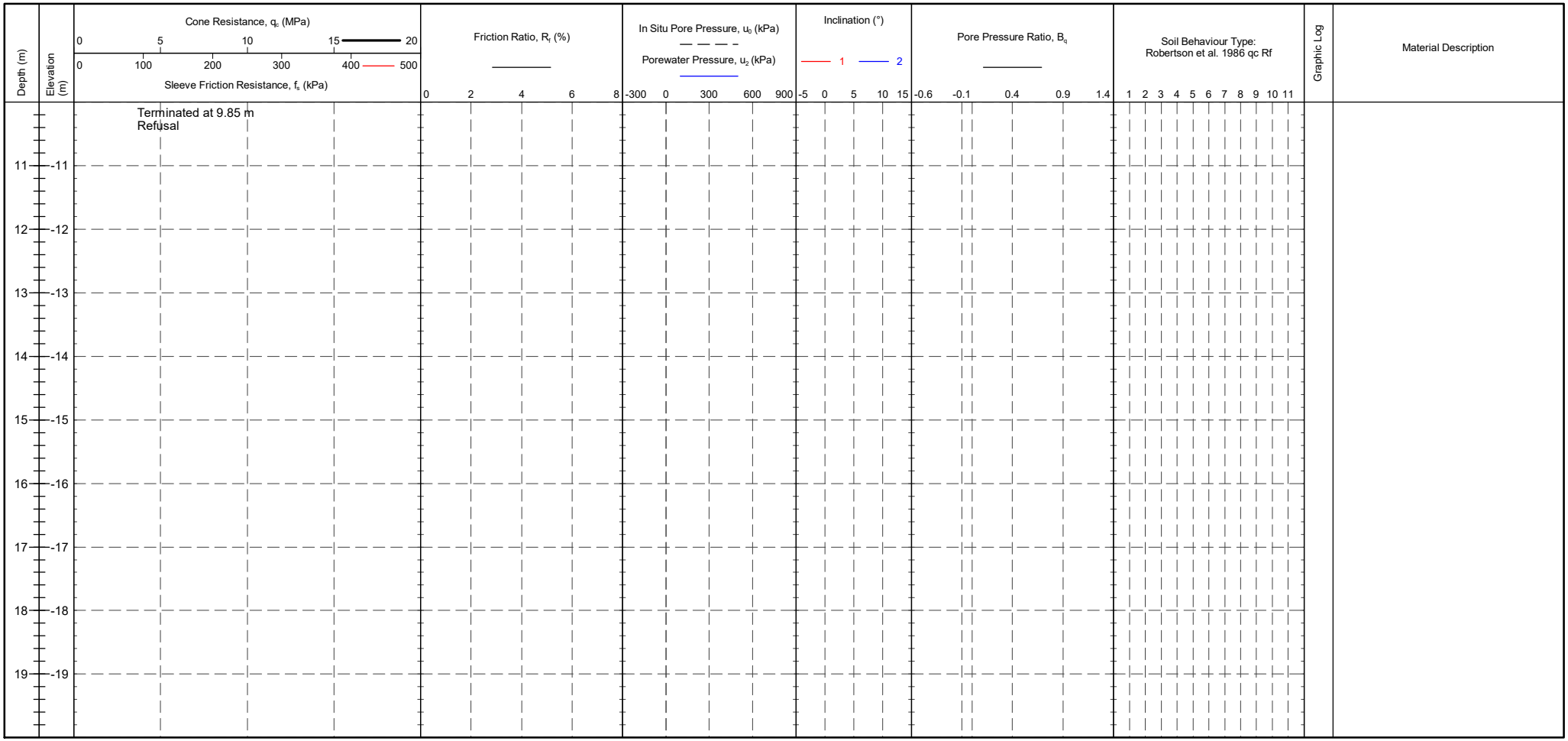
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	311 mV	308 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	273 mV	264 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	Pore Pressure 2	266 mV	99 mV	-0.047 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2405 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

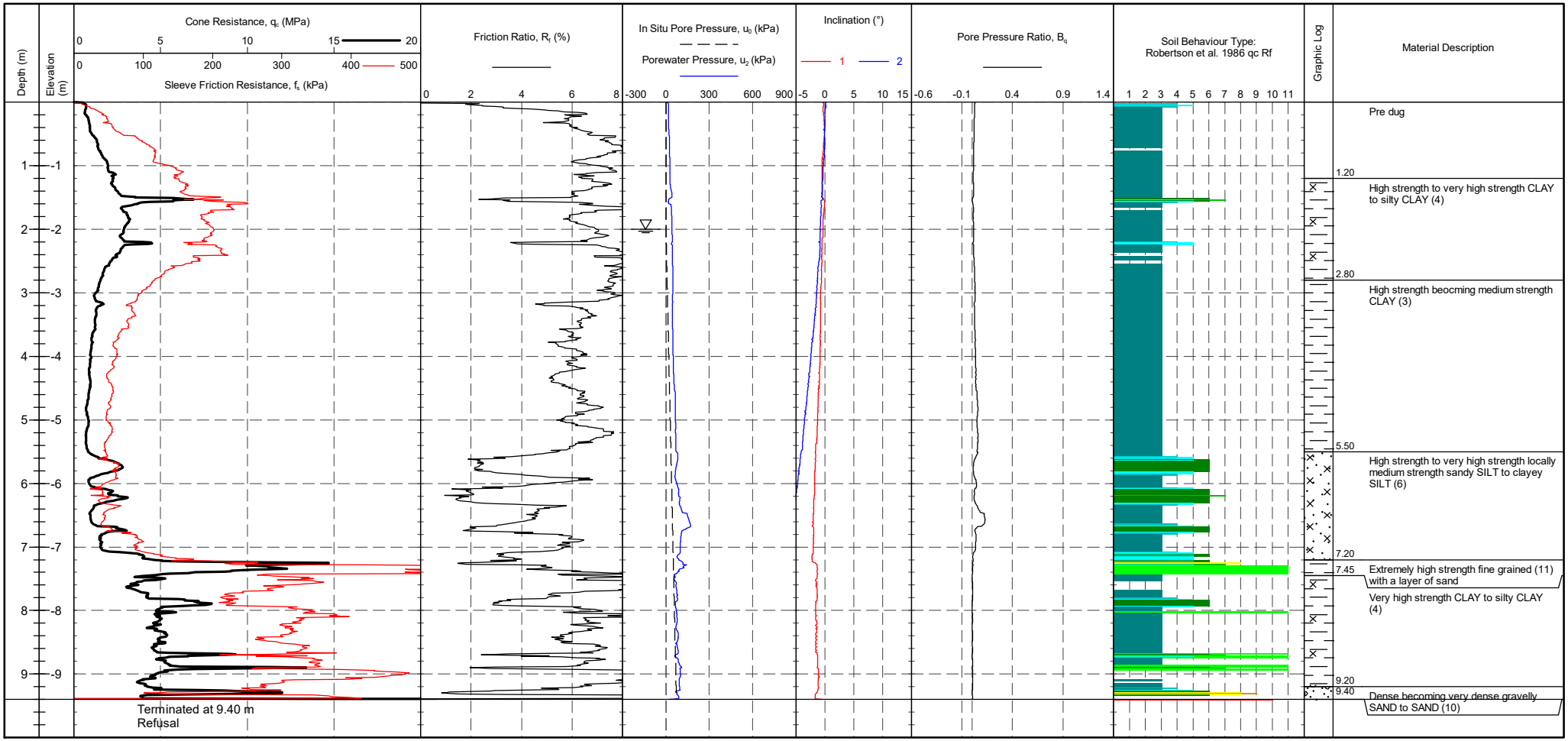
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	304 mV	310 mV	0.066 MPa
Sleeve	267 mV	275 mV	0.006 kPa
Pore Pressure 2	234 mV	300 mV	0.019 kPa
X-Y Inclinometer	2439 mV	2437 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

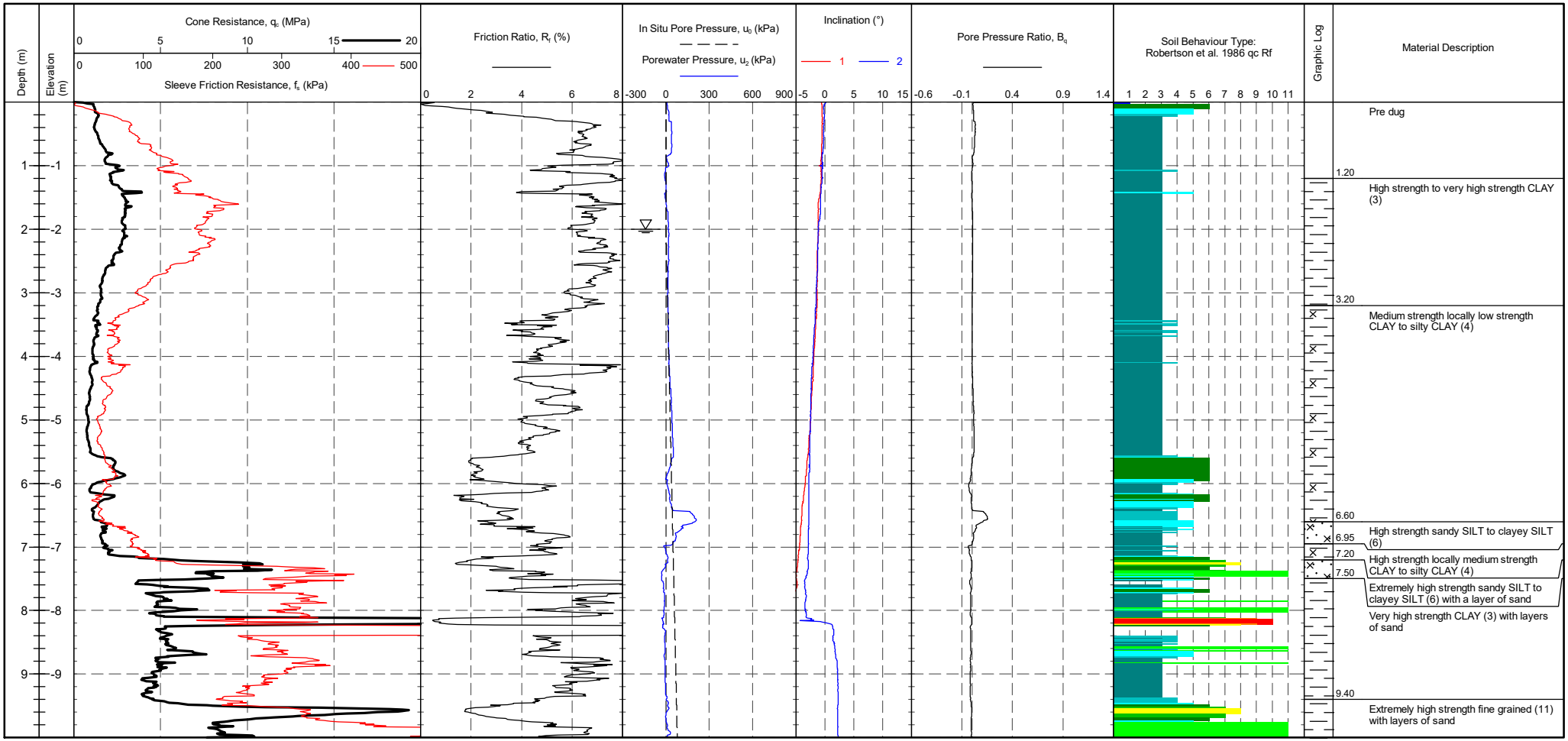
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32B

CLIENT	: Dunelm Geotechnical	EASTING	:	REMARK	SHEET : 1 OF 2
PROJECT	: Sunderland	NORTHING	:	Test refused on tip resistance.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 07/08/2017
PROJECT No.	: 1170315	CHECKED BY	: LD		PLOT DATE : 09/08/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	309 mV	307 mV	-0.022 MPa
Sleeve	266 mV	268 mV	0.001 kPa
Pore Pressure 2	170 mV	234 mV	0.018 kPa
X-Y Inclinometer	2408 mV	2483 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

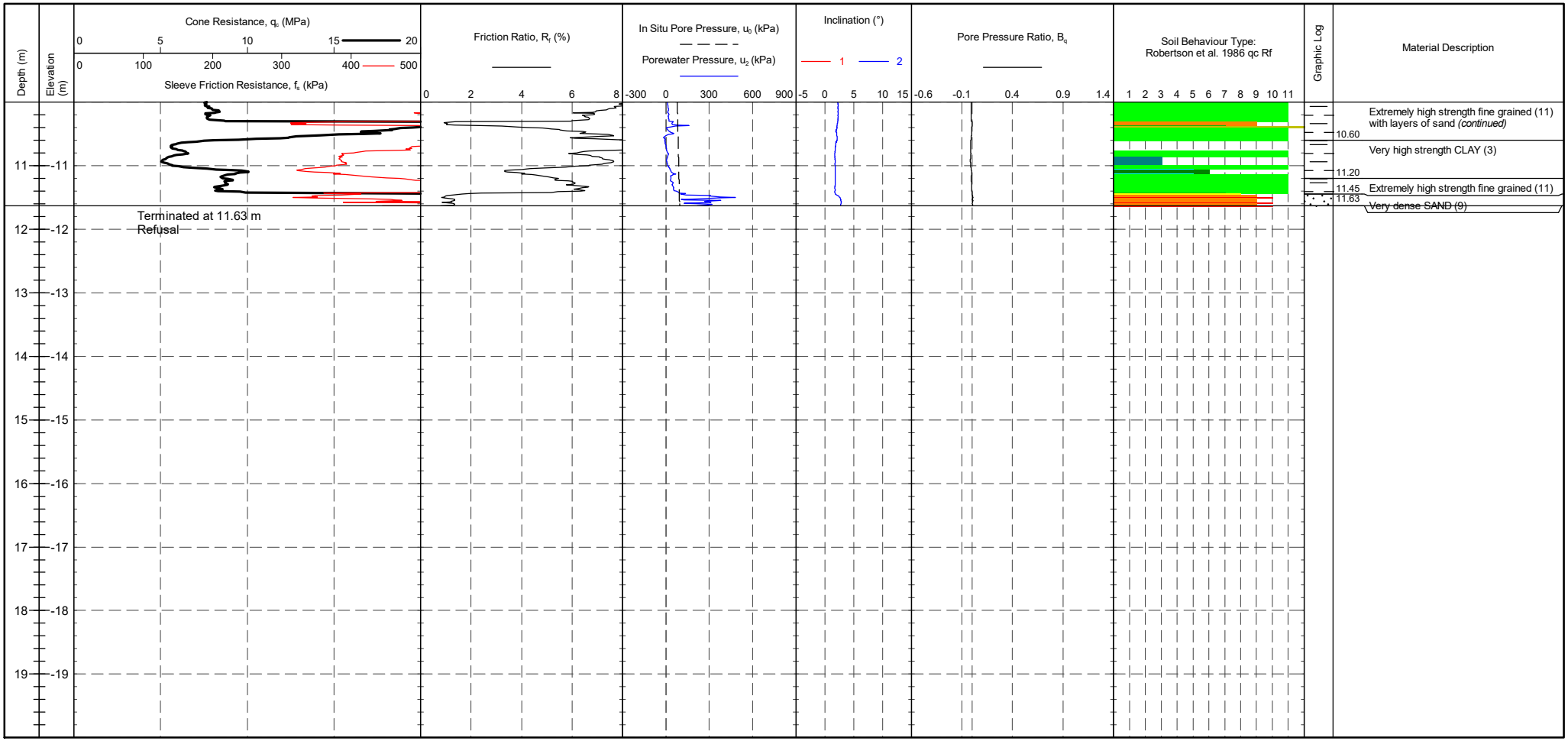
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	307 mV	-0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	266 mV	268 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B	Pore Pressure 2	170 mV	234 mV	0.018 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2408 mV	2483 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material; 2 - Organic material; 3 - Clay; 4 - Silty clay to clay; 5 - Clayey silt to silty clay; 6 - Sandy silt to clayey silt; 7 - Silty sand to sandy silt; 8 - Sand to silty sand; 9 - Sand; 10 - Gravelly sand to sand; 11 - Very stiff fine grained; 12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

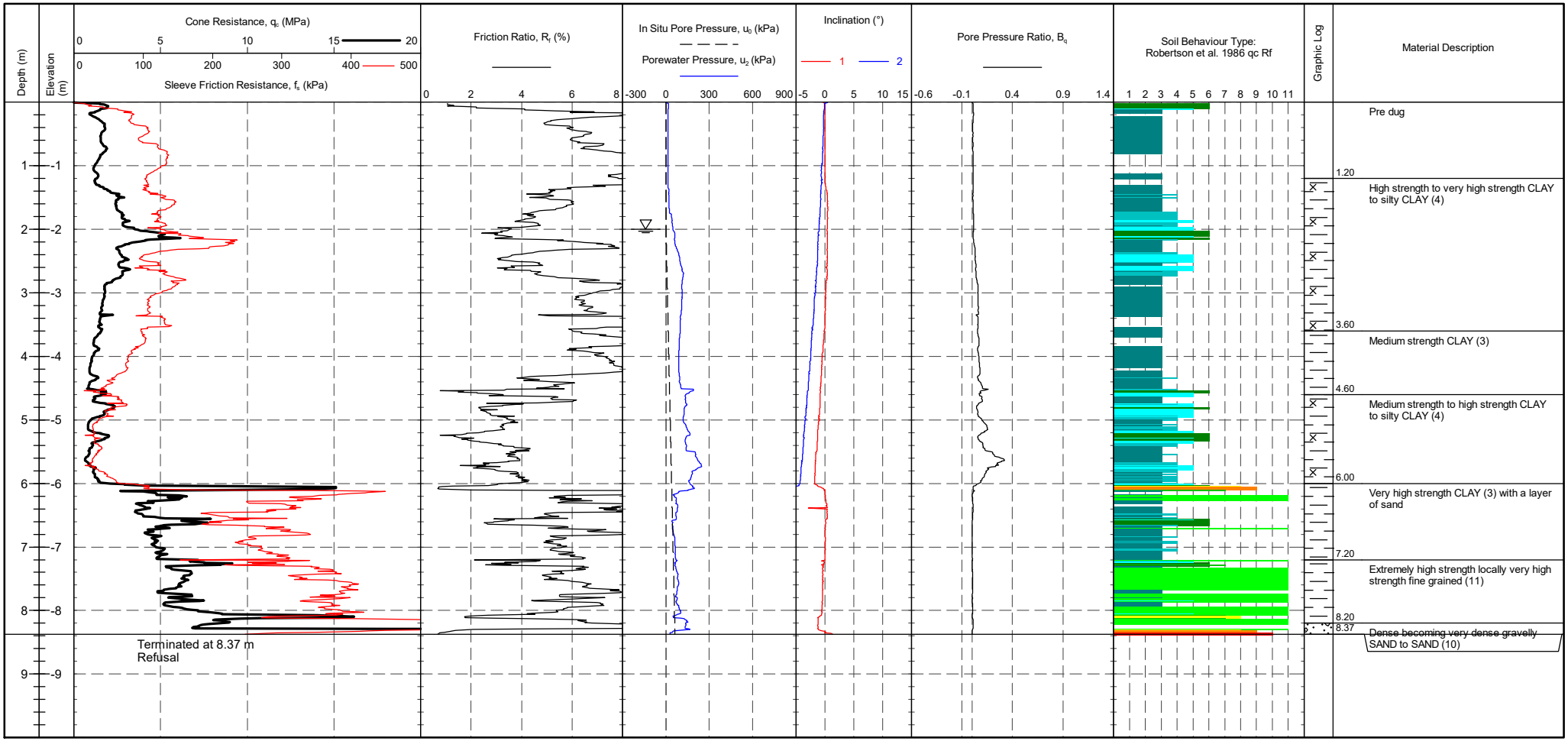
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 33

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 09/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	282 mV	268 mV	-0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 33	Pore Pressure 2	225 mV	259 mV	0.01 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2530 mV	2436 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

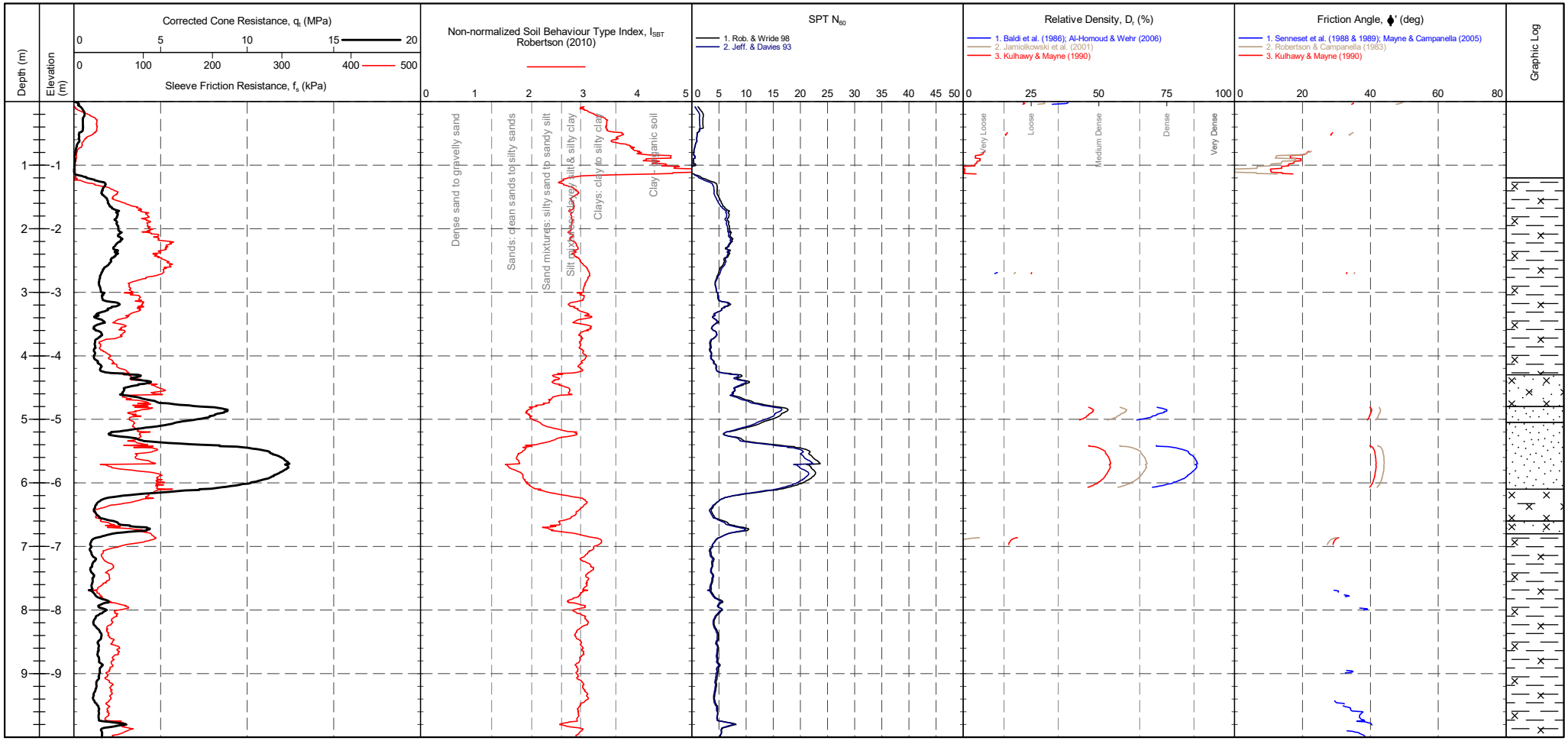
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	308 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	277 mV	271 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	Pore Pressure 2	242 mV	271 mV	0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2403 mV	2427 mV	

Groundwater Level

Dissipation Test

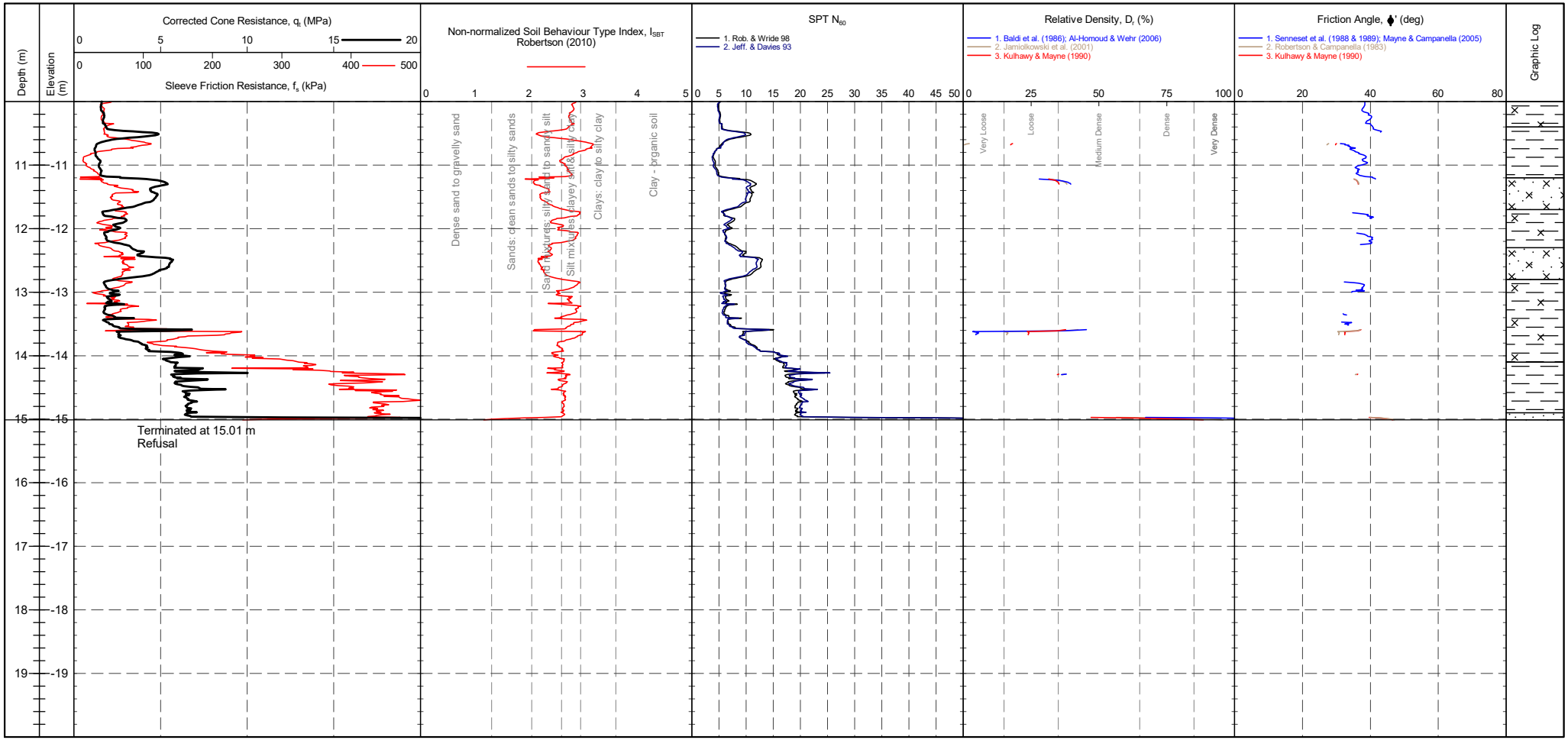
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	308 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	277 mV	271 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	Pore Pressure 2	242 mV	271 mV	0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2403 mV	2427 mV	

Groundwater Level

Dissipation Test

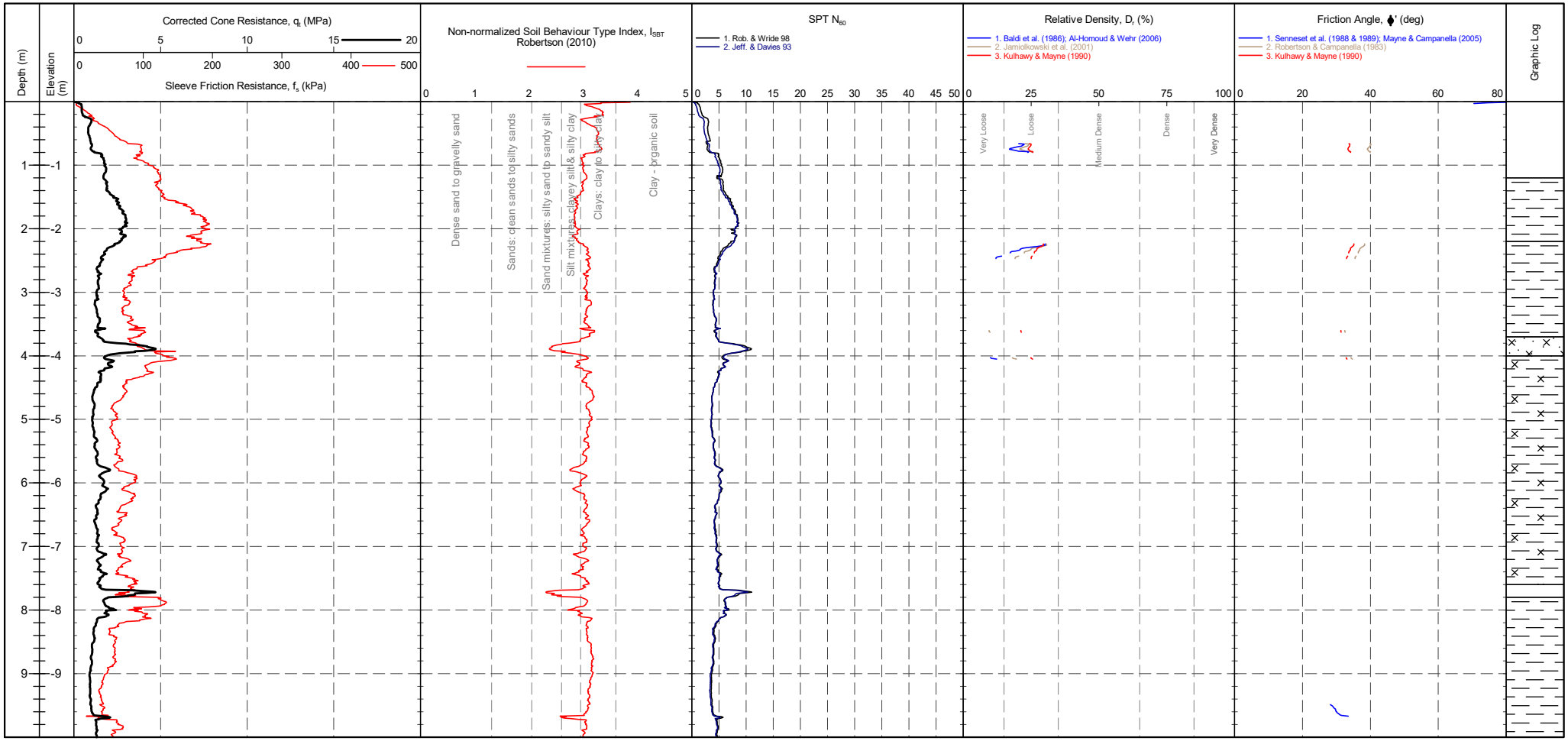
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	306 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	263 mV	266 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	Pore Pressure 2	260 mV	235 mV	-0.007 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2427 mV	2439 mV	

Groundwater Level

Dissipation Test

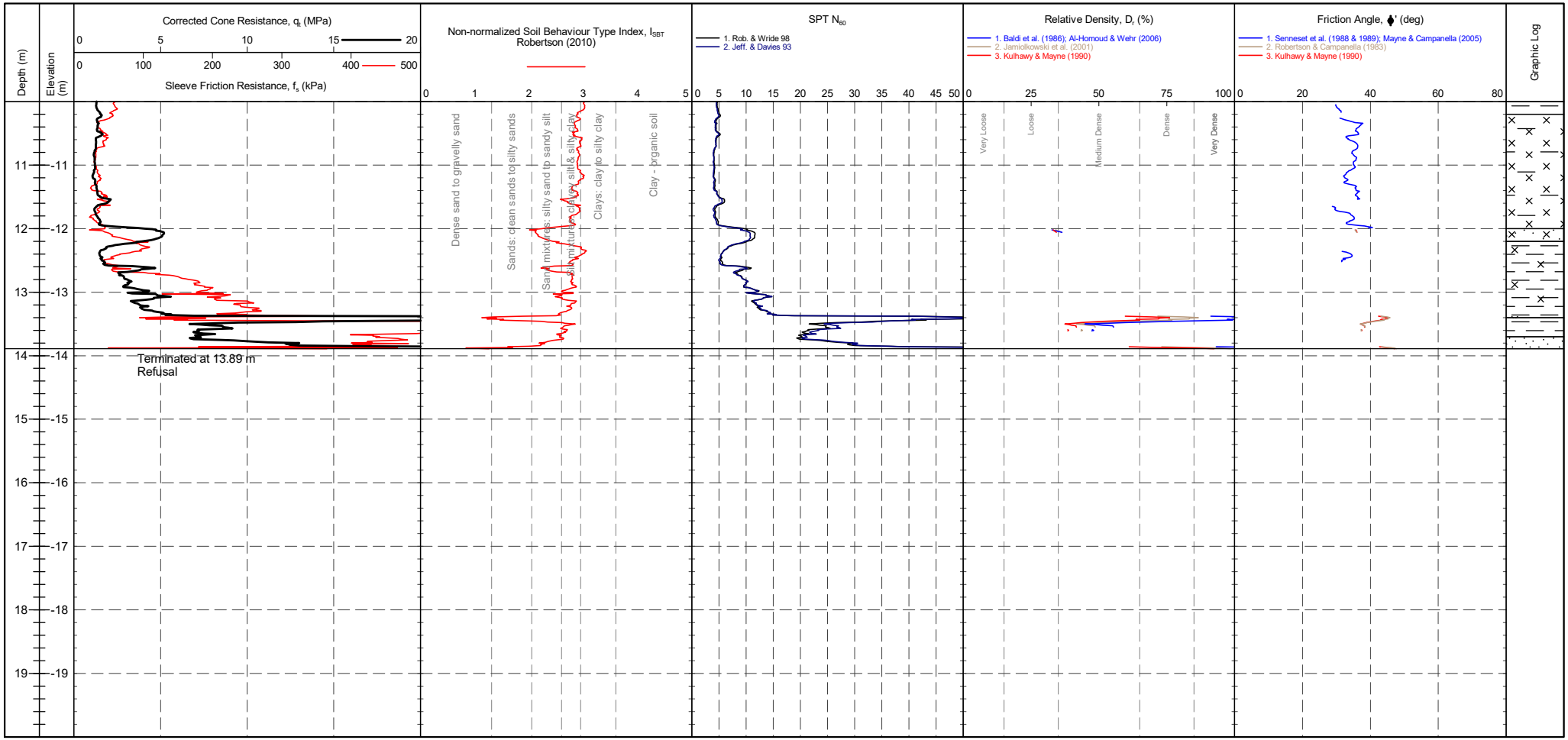
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	306 mV	0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	263 mV	266 mV	0.002 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	260 mV	235 mV	-0.007 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	X-Y Inclinometer	2427 mV	2439 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

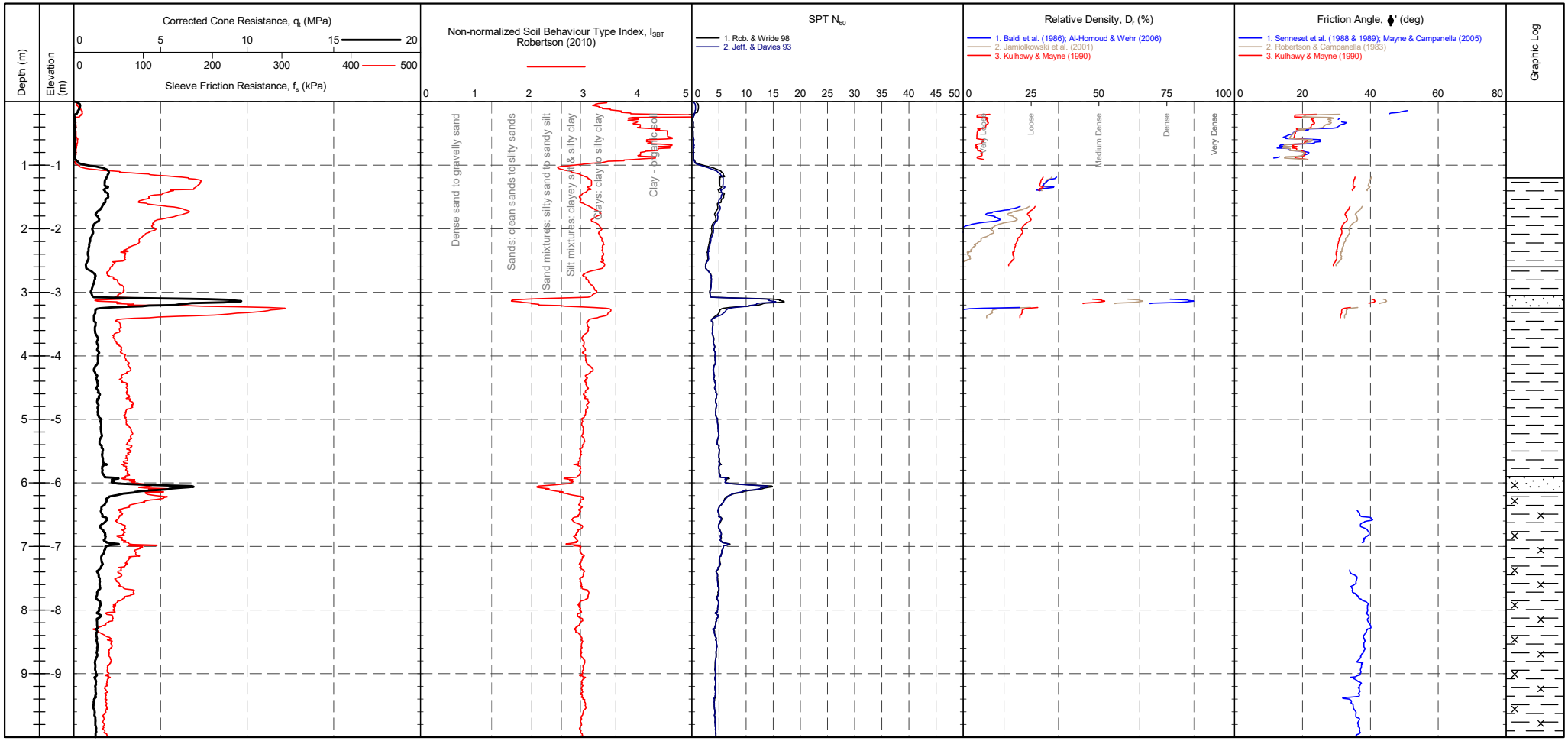
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	266 mV	265 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	Pore Pressure 2	227 mV	262 mV	0.01 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2411 mV	2426 mV	

Groundwater Level

Dissipation Test

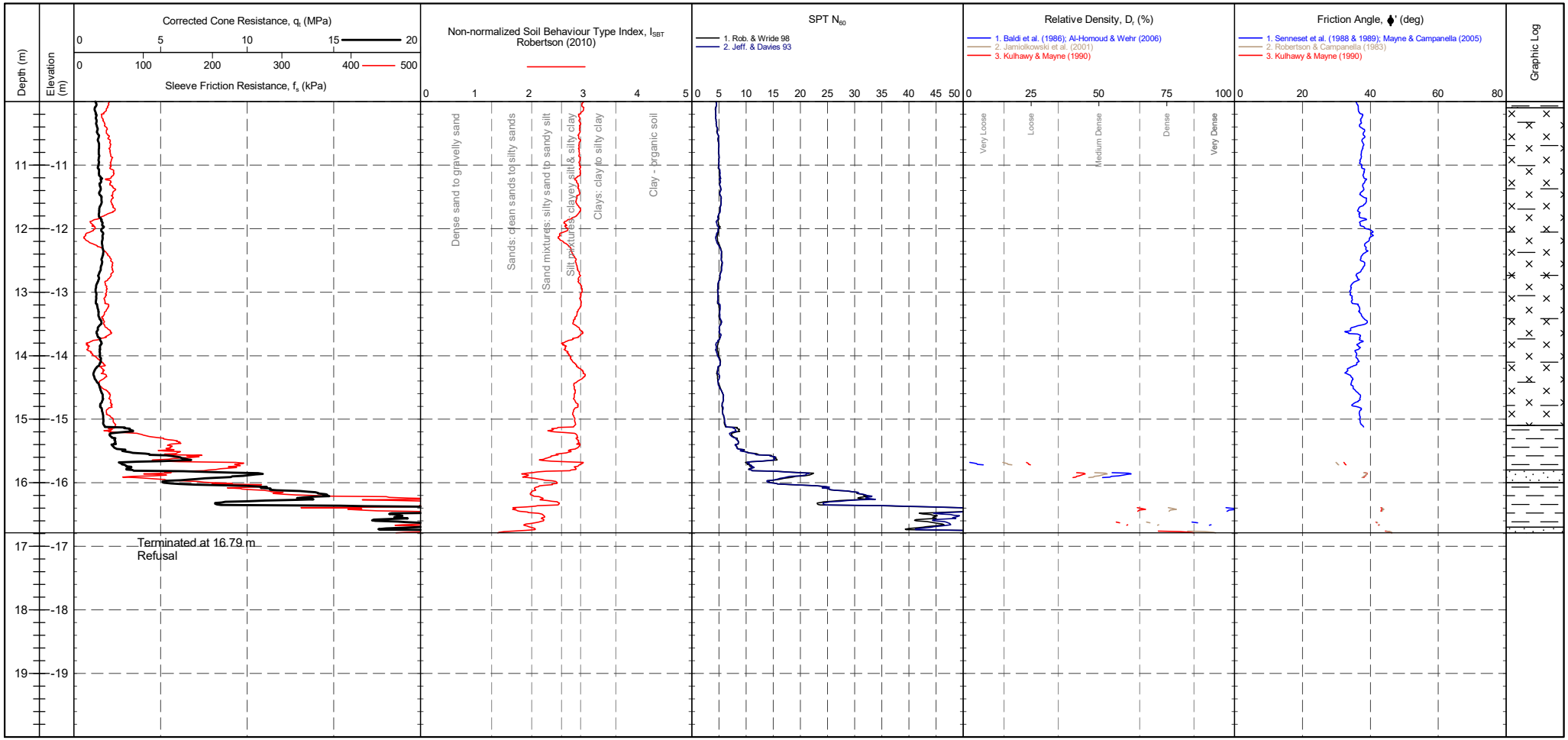
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	304 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	265 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	227 mV	262 mV	0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	X-Y Inclinometer	2411 mV	2426 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

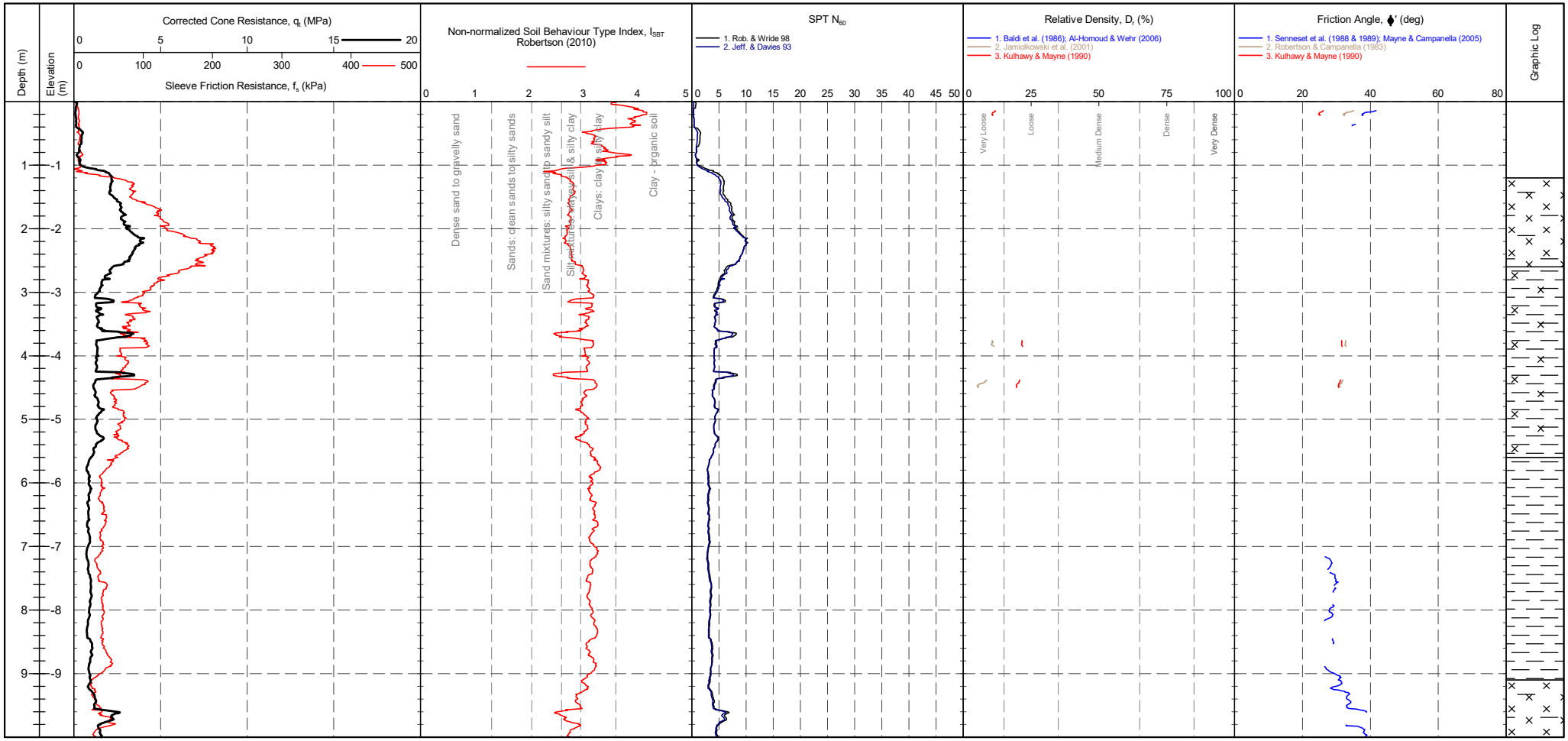
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	279 mV	273 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	Pore Pressure 2	238 mV	276 mV	0.011 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2446 mV	2466 mV	

Groundwater Level

Dissipation Test

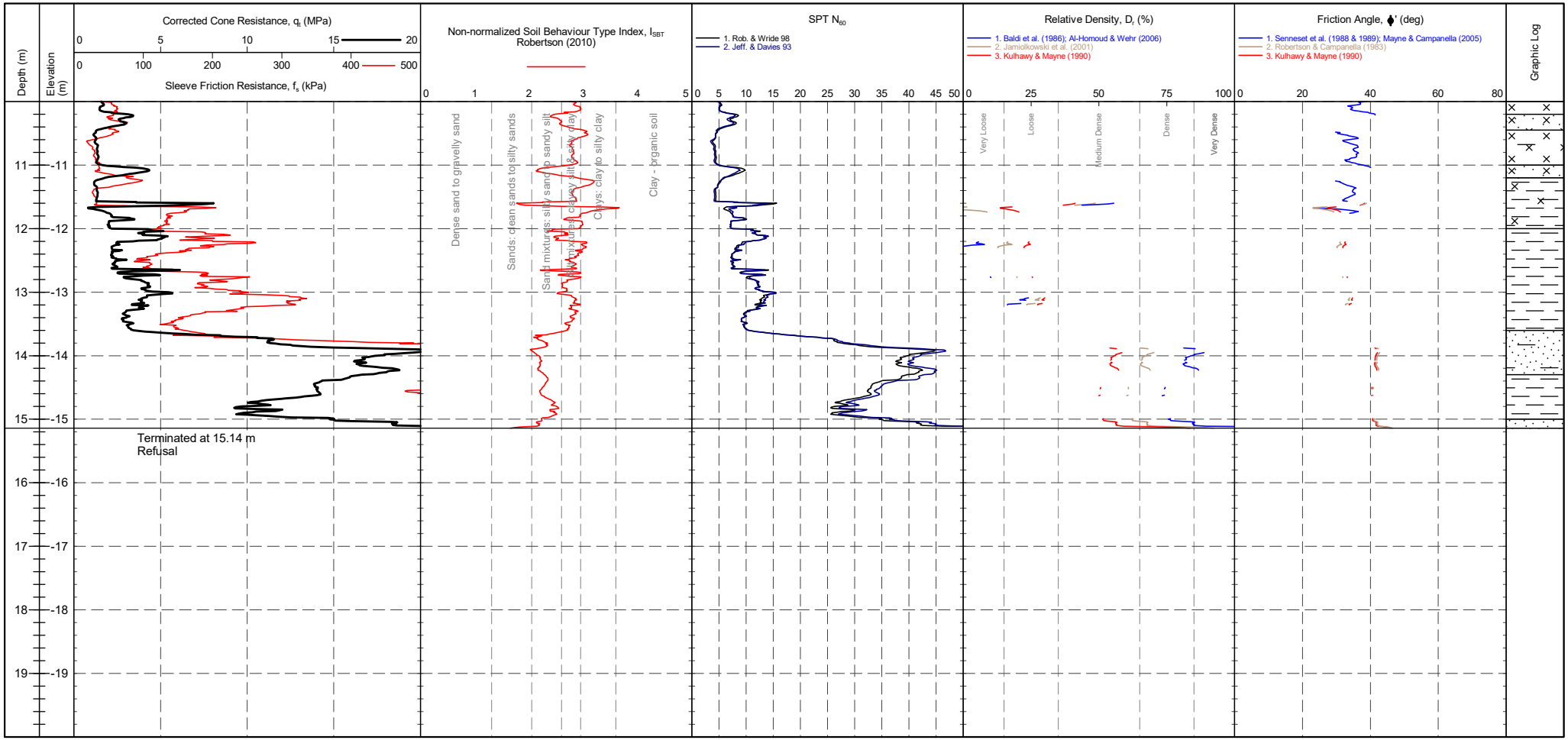
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	305 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	279 mV	273 mV	-0.004 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	238 mV	276 mV	0.011 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	X-Y Inclinometer	2446 mV	2466 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

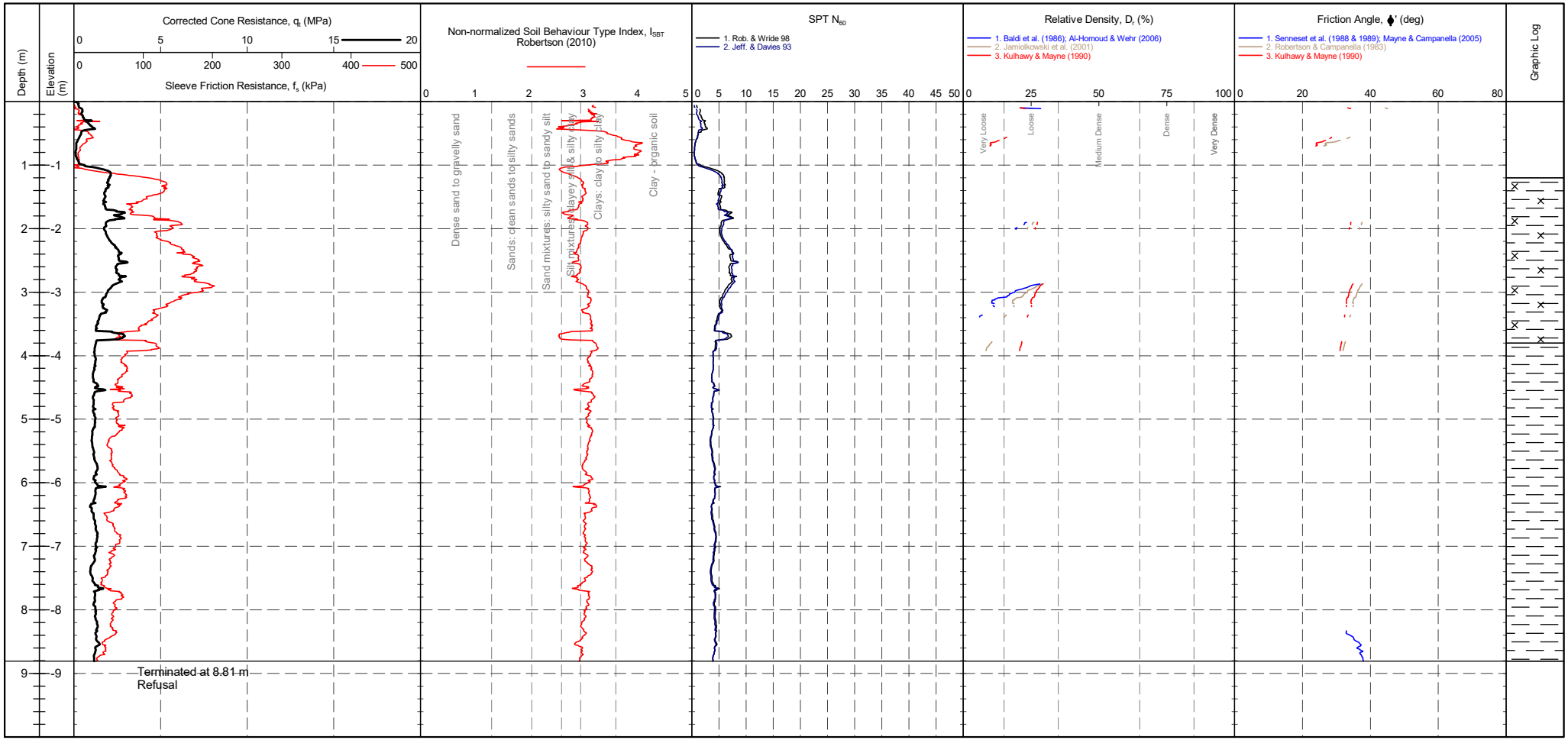
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 20

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	304 mV	306 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	264 mV	265 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	253 mV	238 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 20	X-Y Inclinometer	2424 mV	2391 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

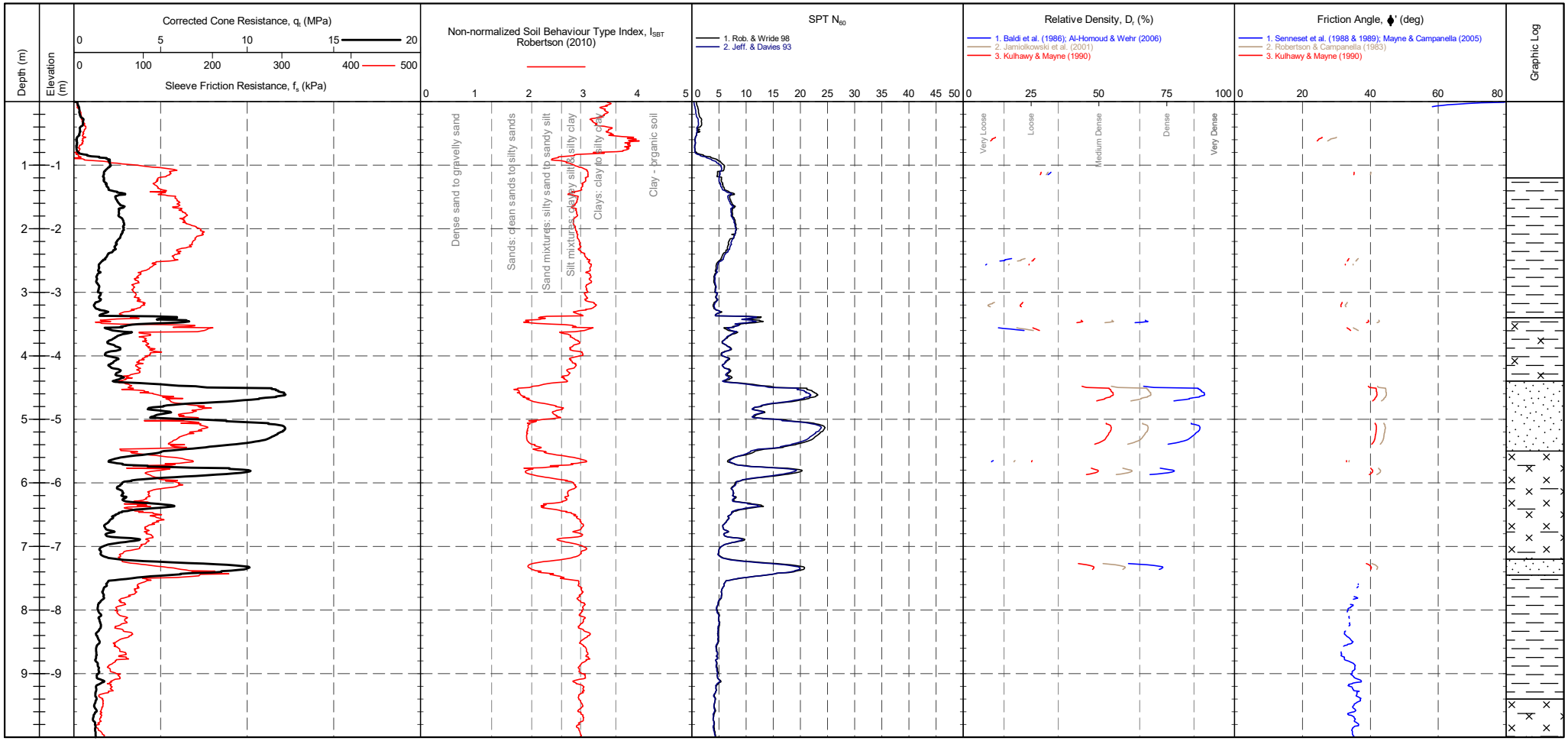
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	306 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	275 mV	263 mV	-0.009 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	Pore Pressure 2	278 mV	269 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2428 mV	2402 mV	

Groundwater Level

Dissipation Test

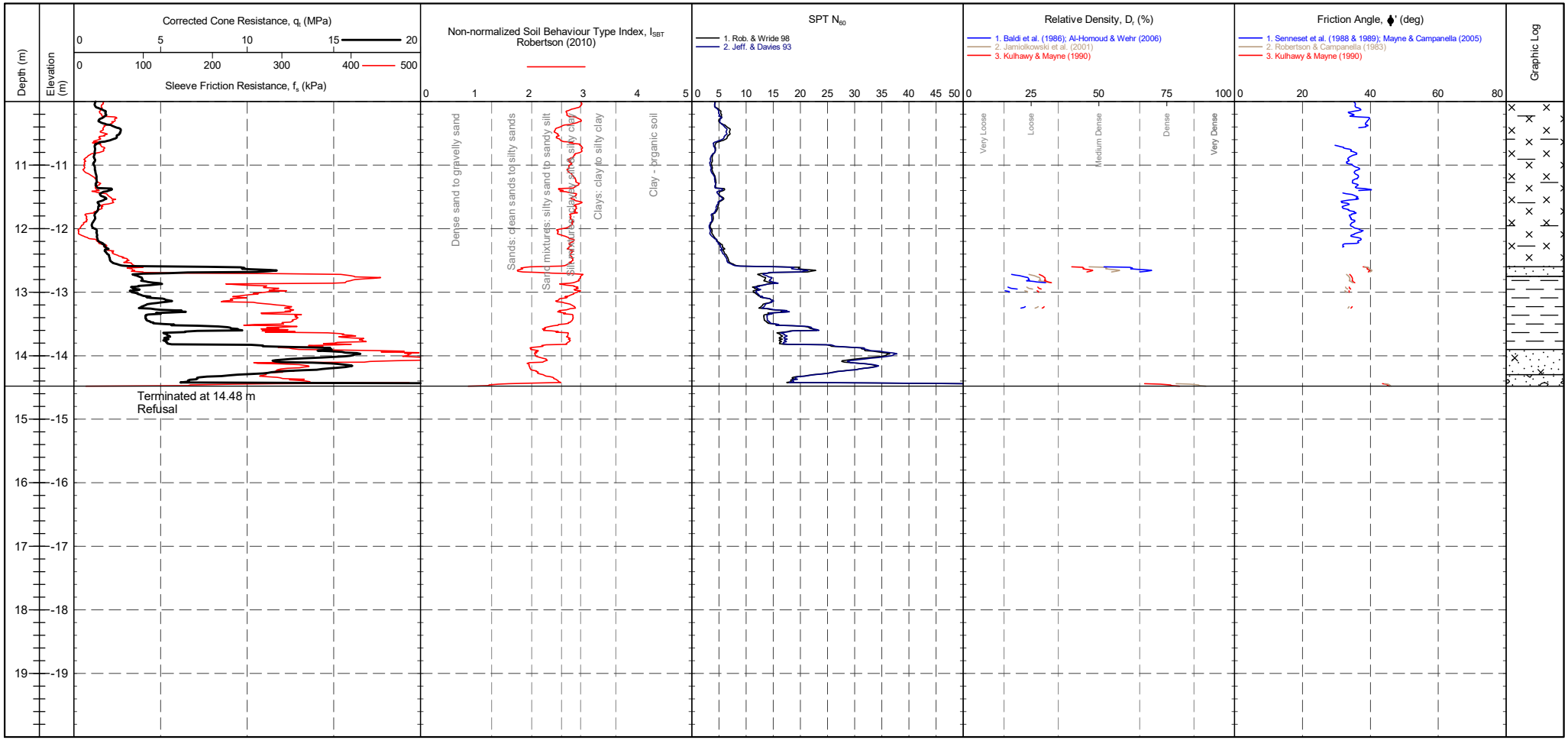
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	306 mV	306 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	275 mV	263 mV	-0.009 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	278 mV	269 mV	-0.003 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	X-Y Inclinometer	2428 mV	2402 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

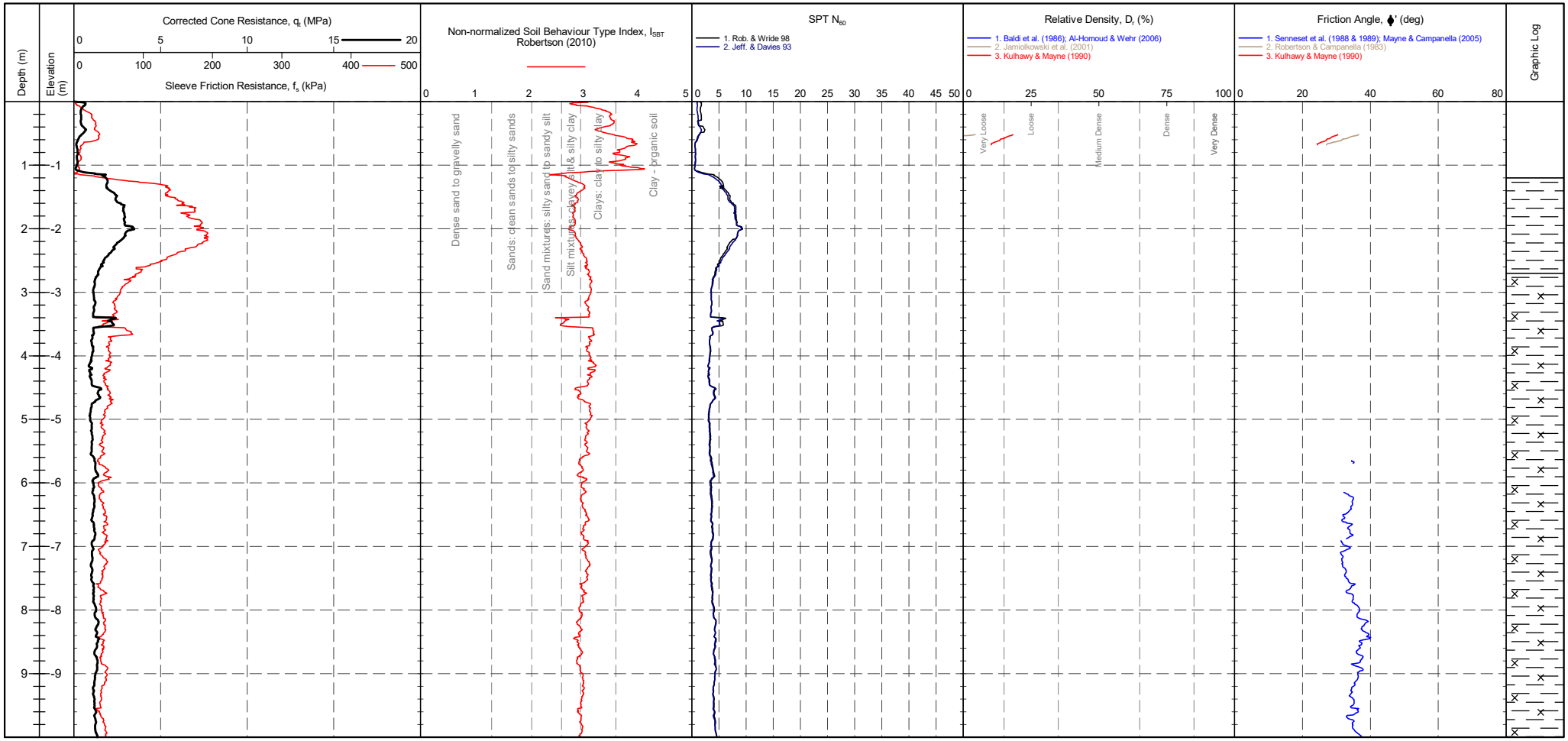
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	264 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	Pore Pressure 2	232 mV	334 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2423 mV	2428 mV	

Groundwater Level

Dissipation Test

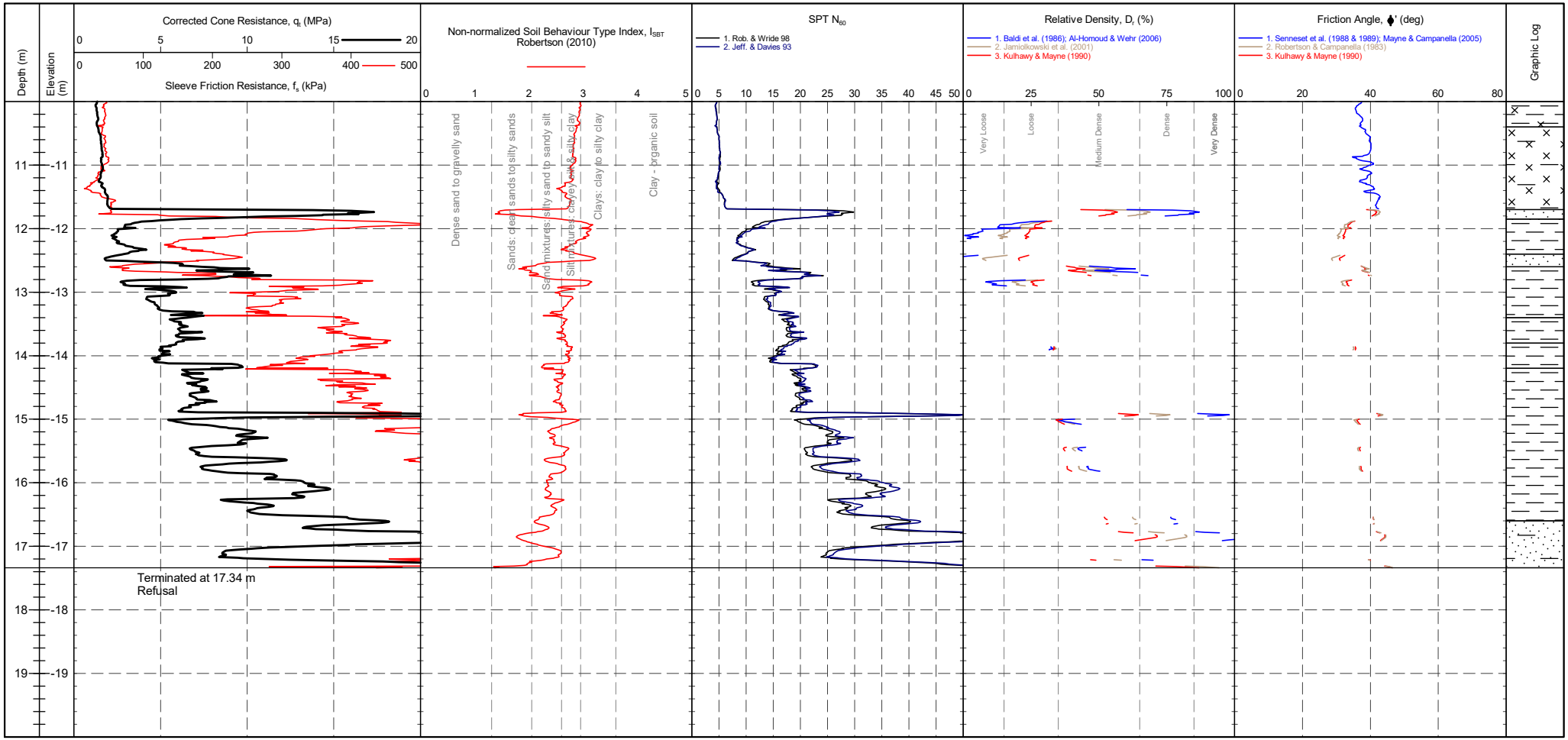
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	264 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	Pore Pressure 2	232 mV	334 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2423 mV	2428 mV	

Groundwater Level

Dissipation Test

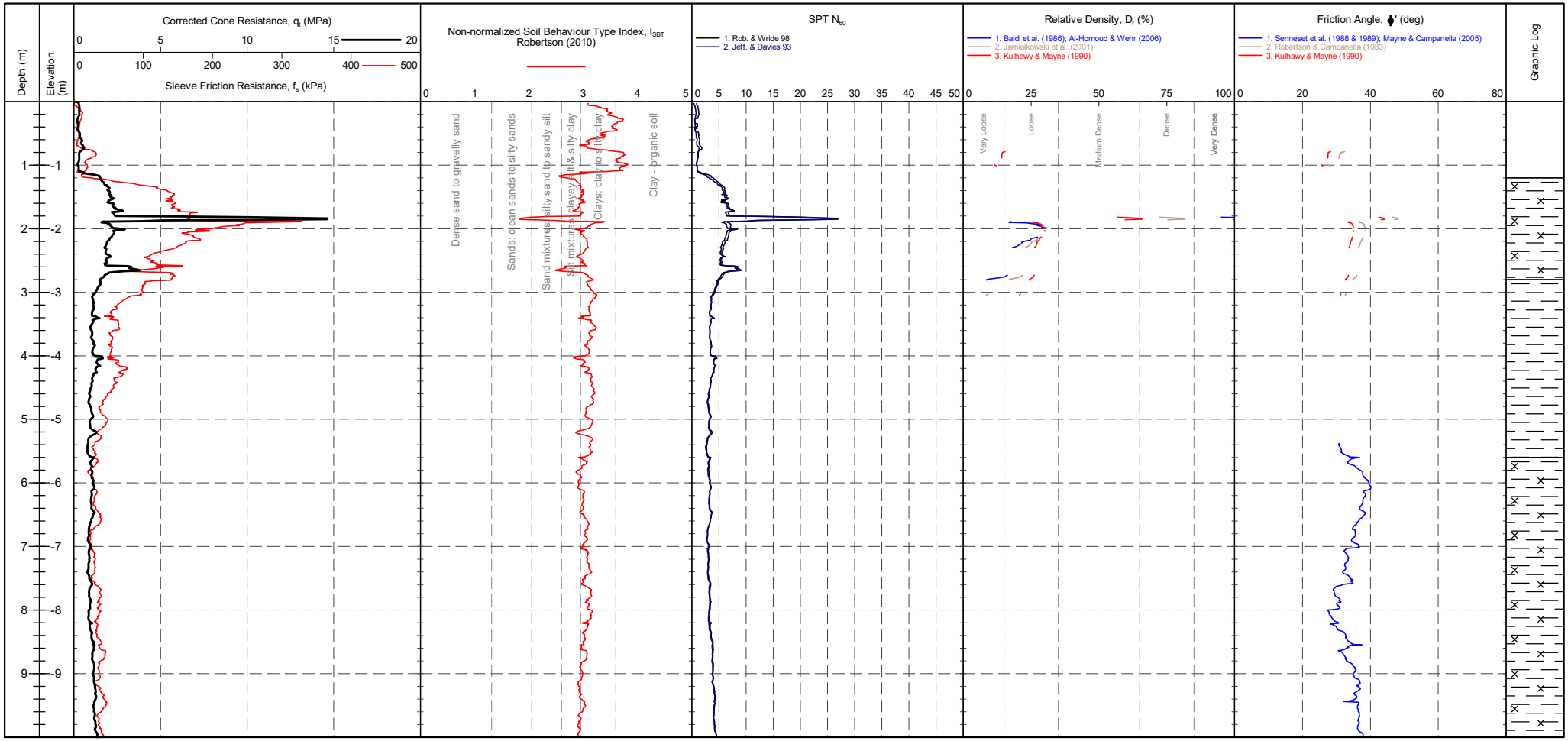
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	306 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	268 mV	269 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	Pore Pressure 2	243 mV	242 mV	0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2416 mV	2413 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

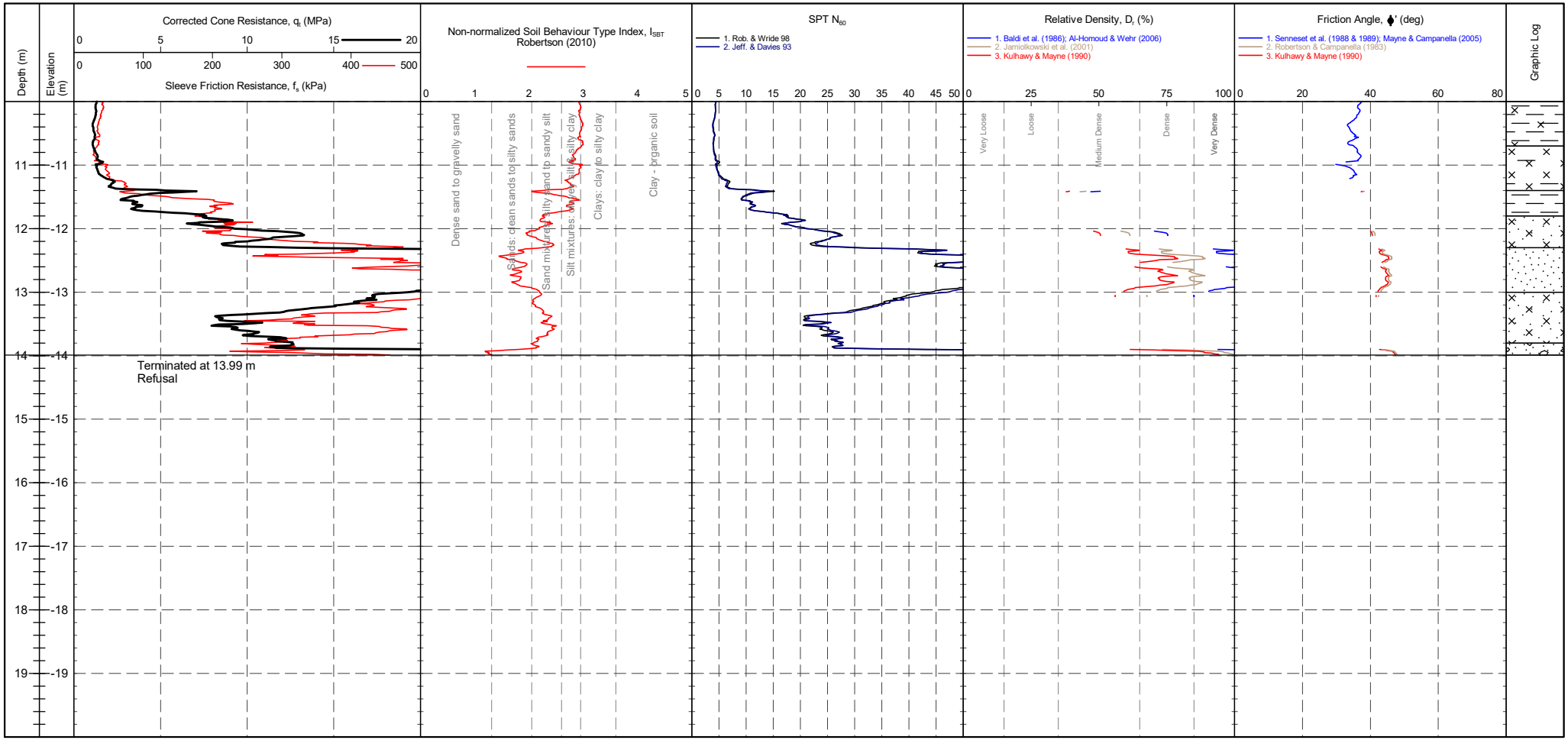
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	306 mV / 0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	268 mV	269 mV / 0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	Pore Pressure 2	243 mV	242 mV / 0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2416 mV	2413 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

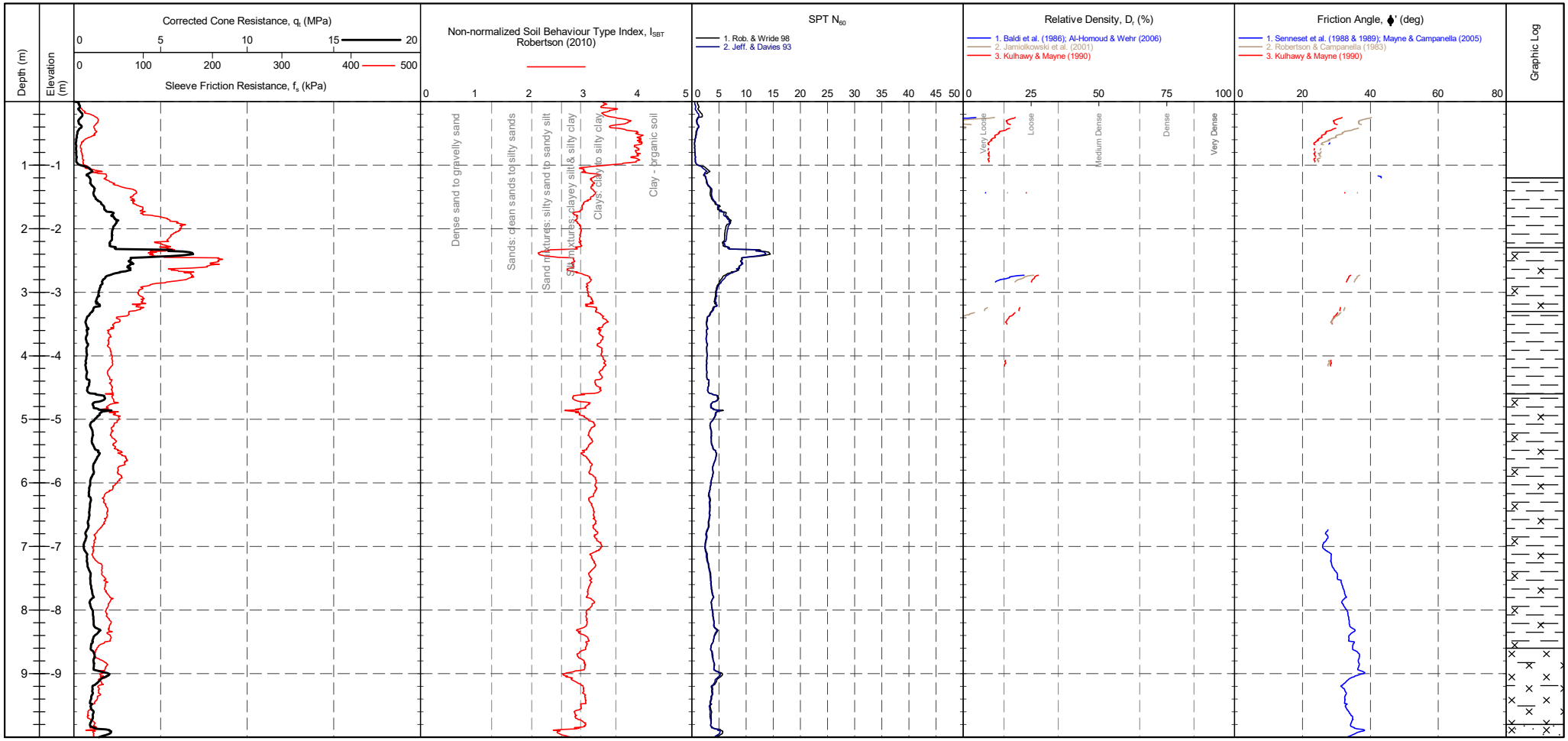
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	269 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV	361 mV	0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV	2447 mV	

Groundwater Level

Dissipation Test

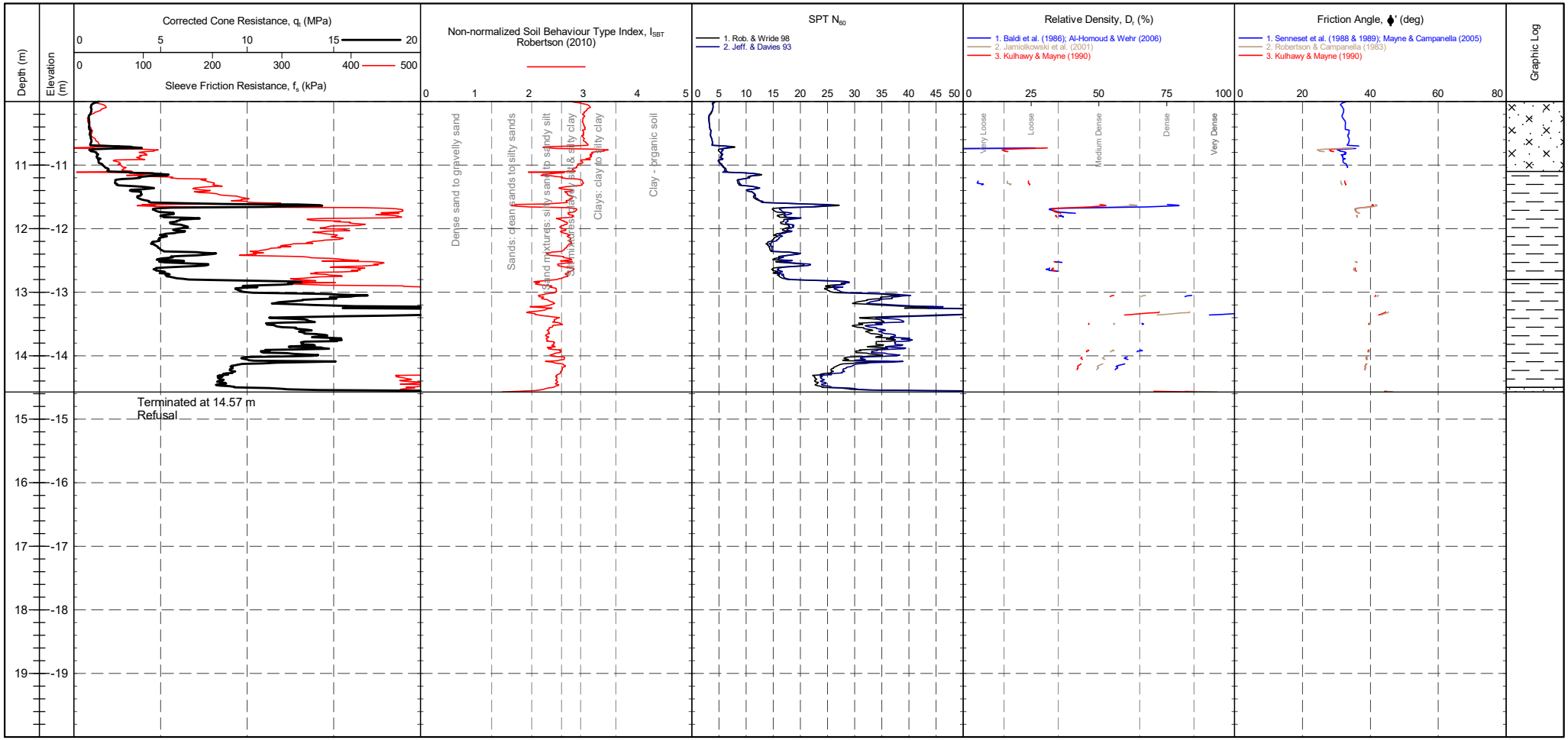
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	269 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV	361 mV / 0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV	2447 mV

Groundwater Level

Dissipation Test

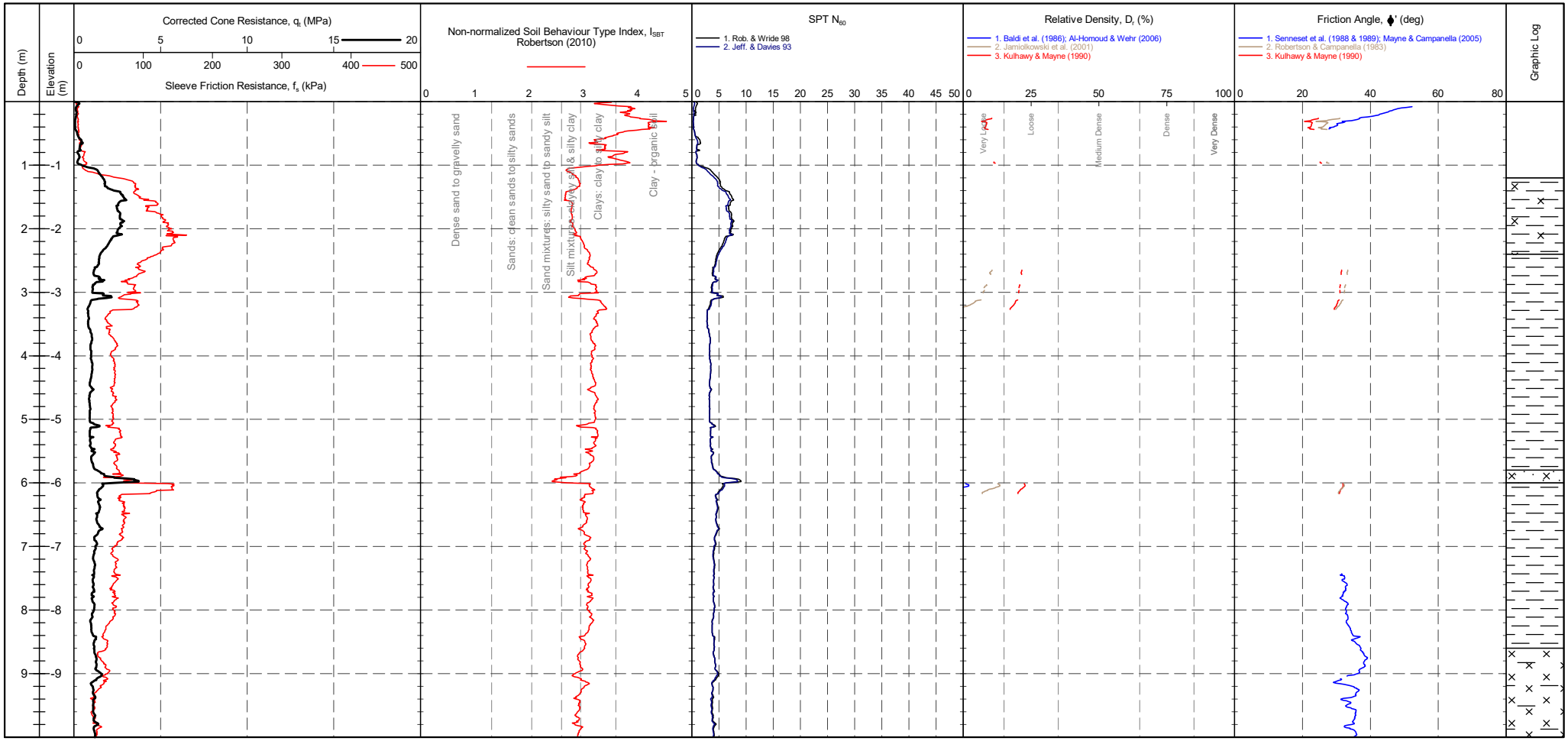
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	301 mV	-0.055 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	292 mV	284 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	Pore Pressure 2	229 mV	273 mV	0.012 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2468 mV	2511 mV	

Groundwater Level

Dissipation Test

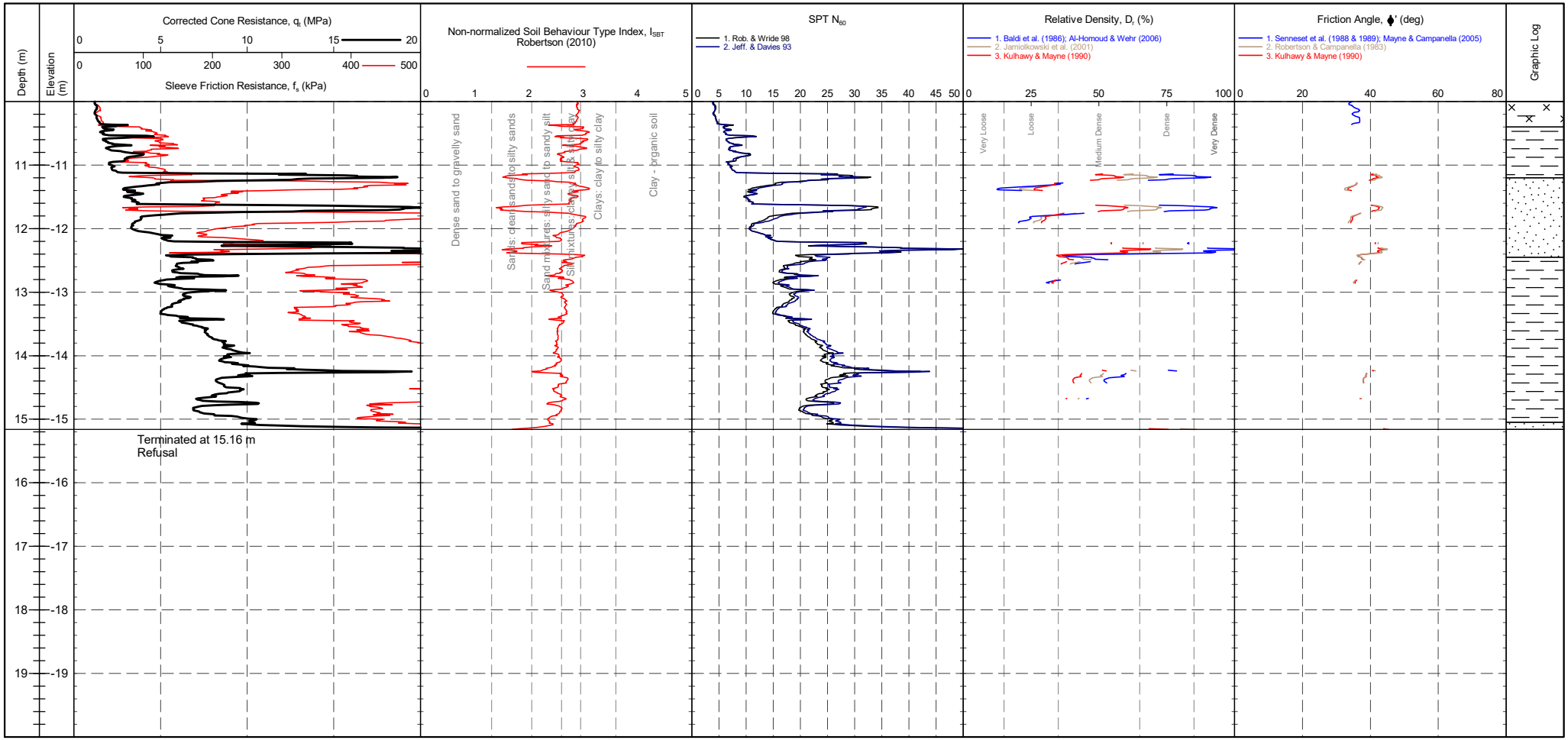
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 27

CLIENT : Dunelm Geotechnical PROJECT : Sunderland LOCATION : Sunderland PROJECT No. : 1170315	EASTING : NORTHING : ELEVATION : 0.00 m CHECKED BY : LD TERMINATION REASON : Refusal	REMARK Test refused on tip resistance.	SHEET : 2 OF 2 STATUS : Final TEST DATE : 03/08/2017 PLOT DATE : 10/08/2017 METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	301 mV	-0.055 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	292 mV	284 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	Pore Pressure 2	229 mV	273 mV	0.012 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2468 mV	2511 mV	

Groundwater Level

Dissipation Test

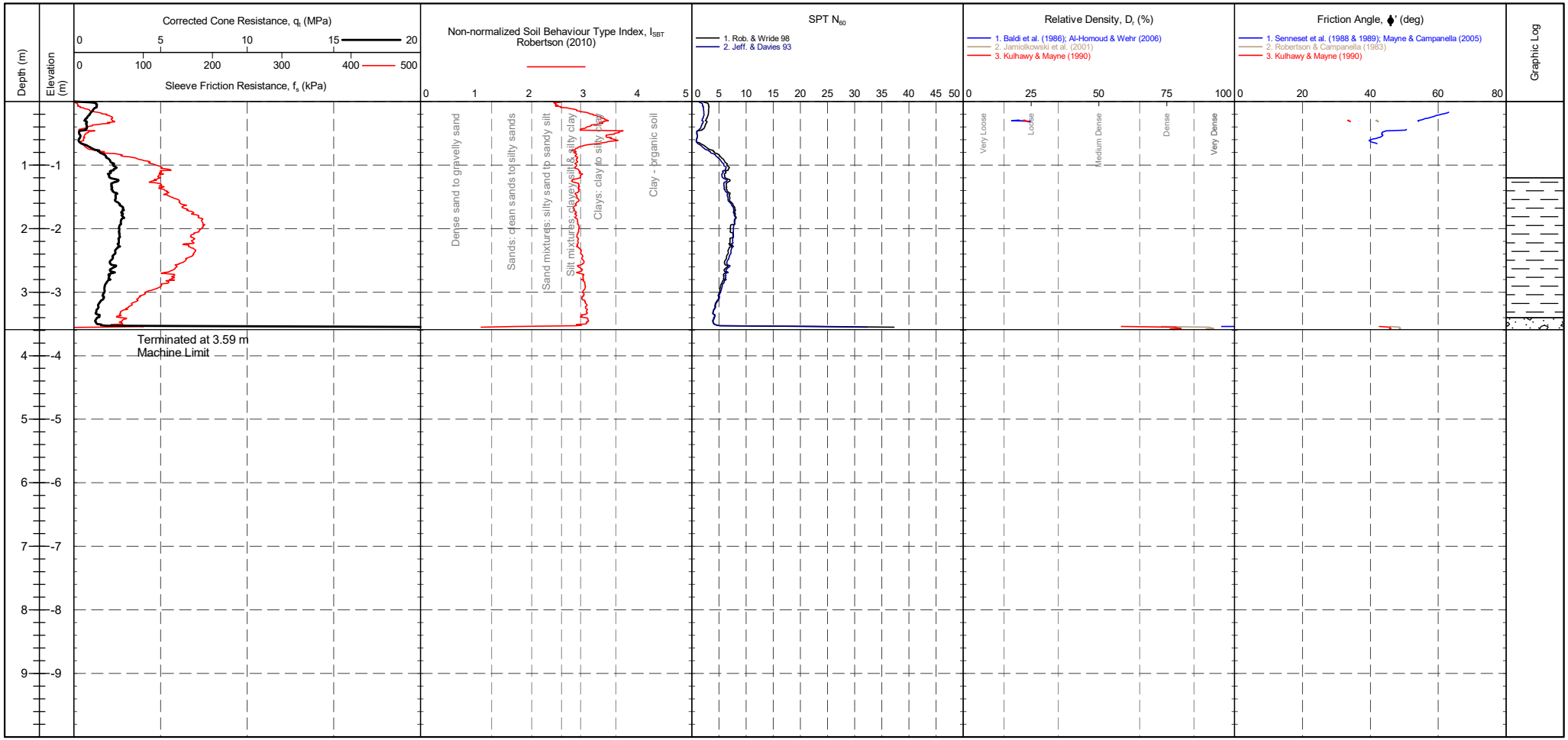
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 28

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	302 mV	308 mV	0.066 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	284 mV	290 mV	0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28	Pore Pressure 2	258 mV	257 mV	0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2455 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

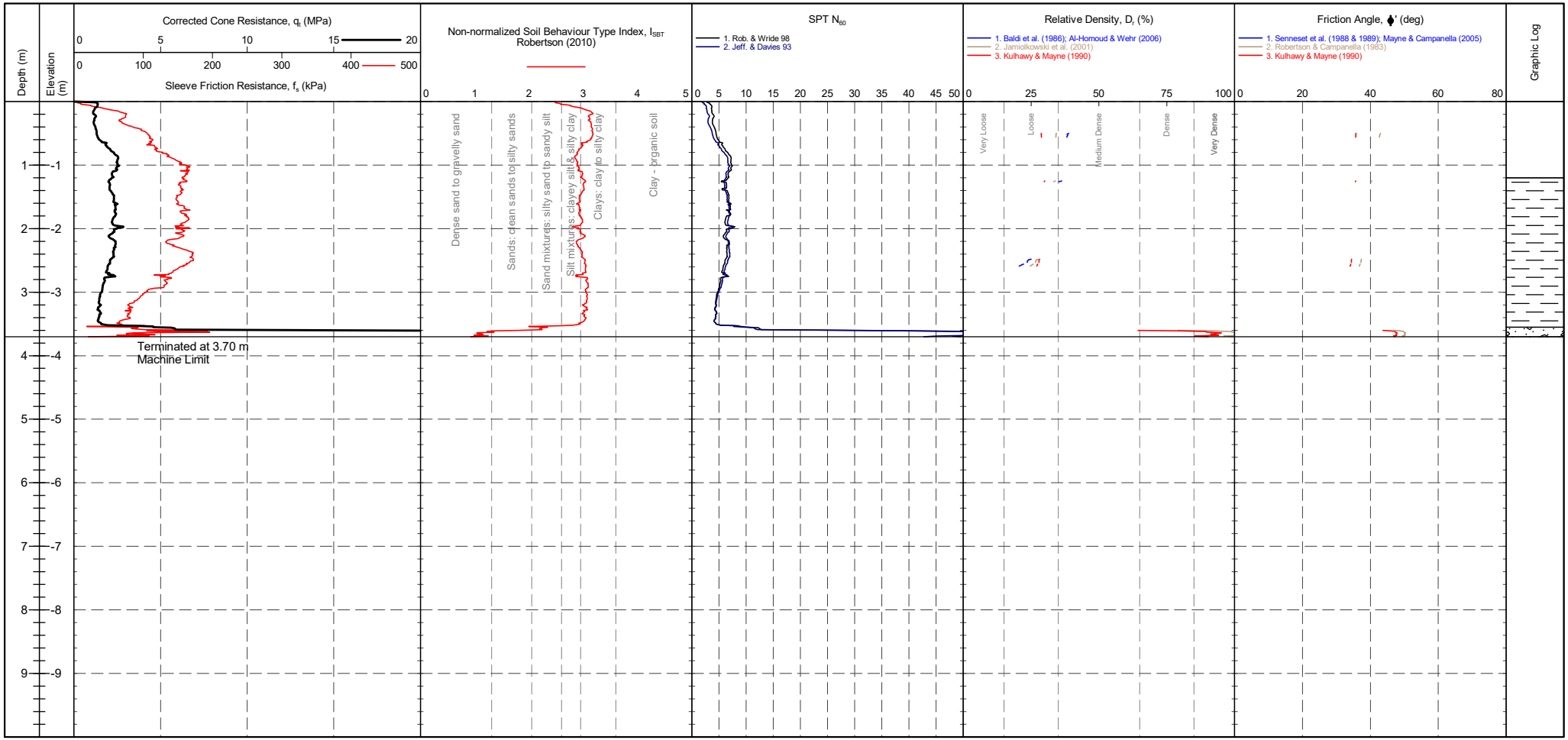
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 28A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	310 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	289 mV	287 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28A	Pore Pressure 2	256 mV	232 mV	-0.007 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2464 mV	

Groundwater Level

Dissipation Test

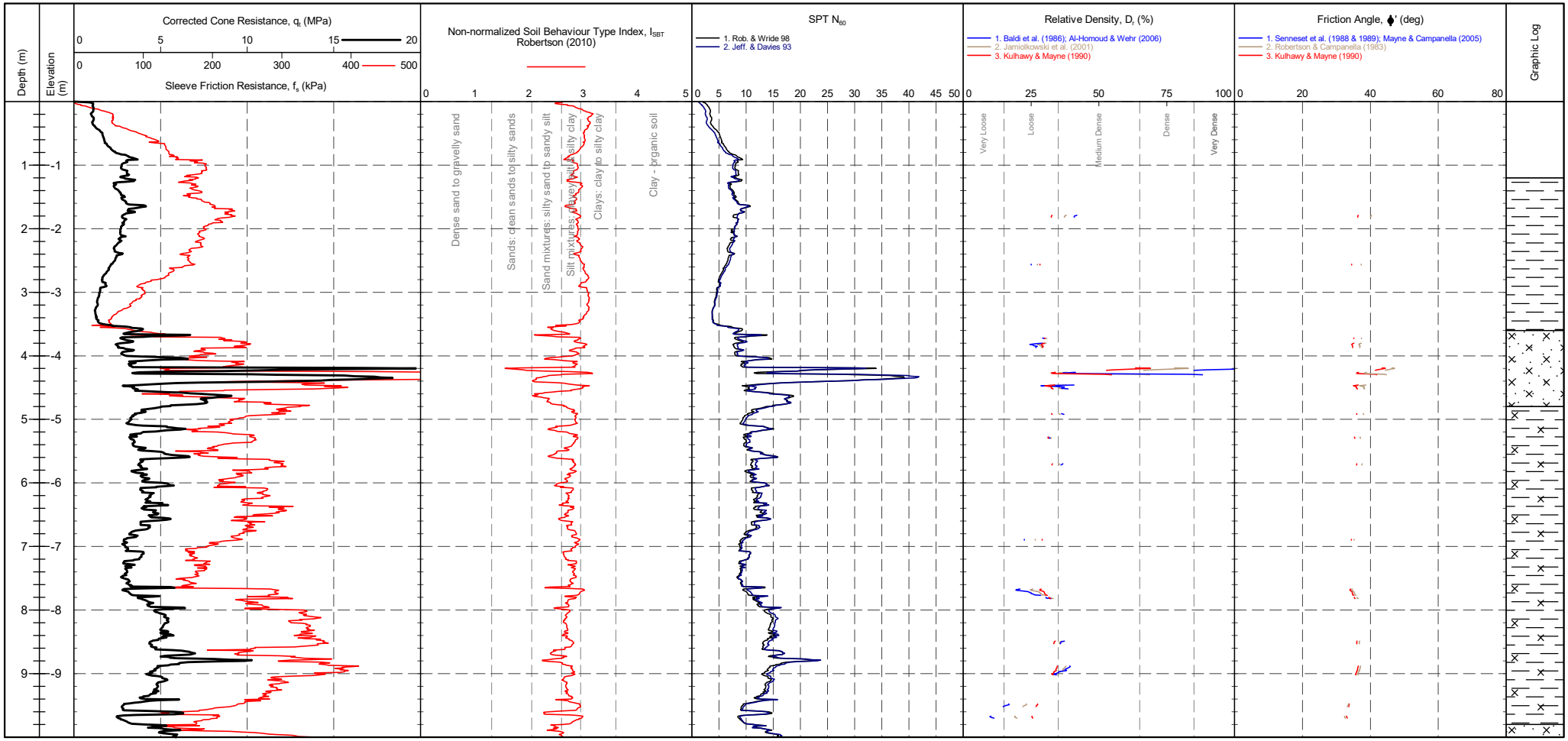
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

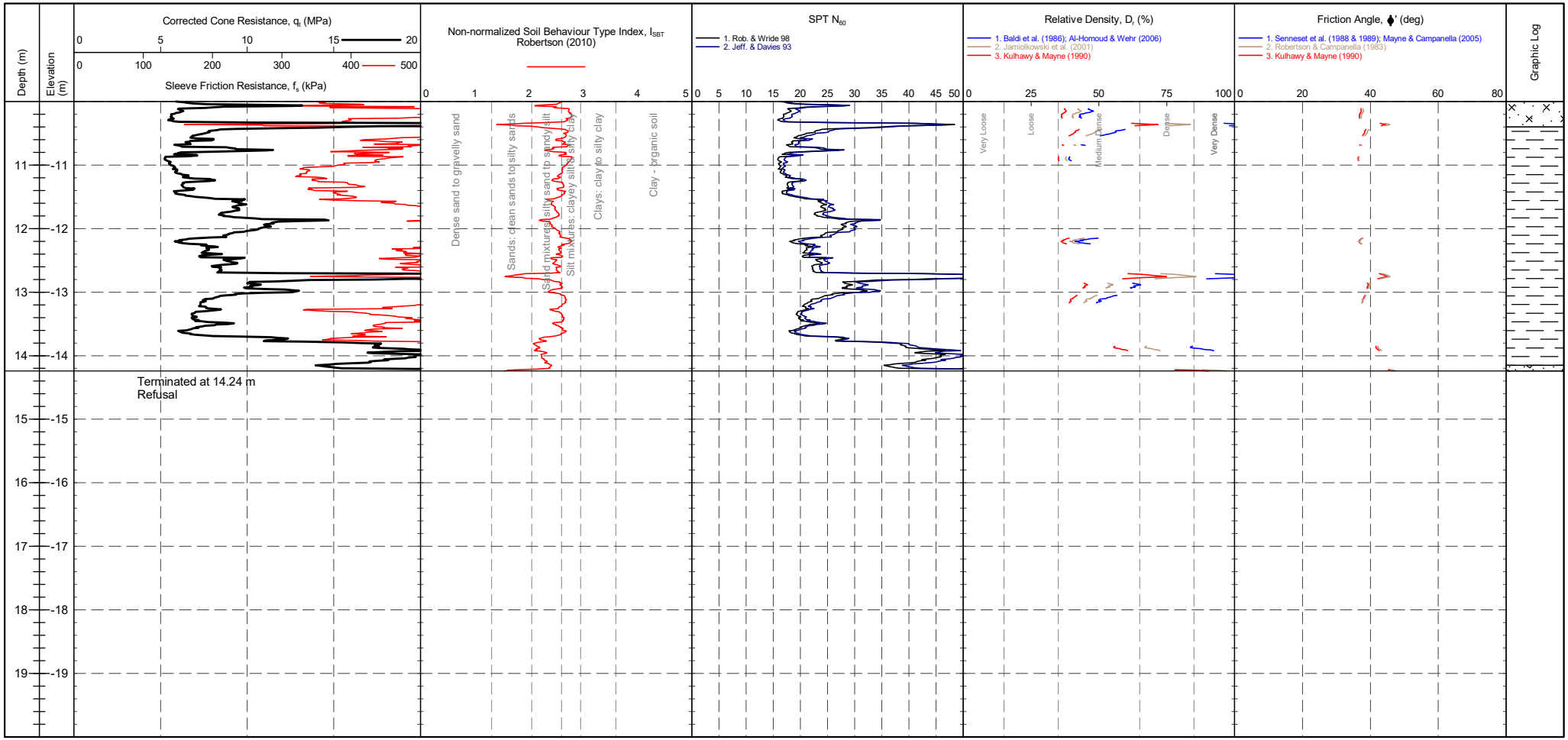
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV	

Groundwater Level

Dissipation Test

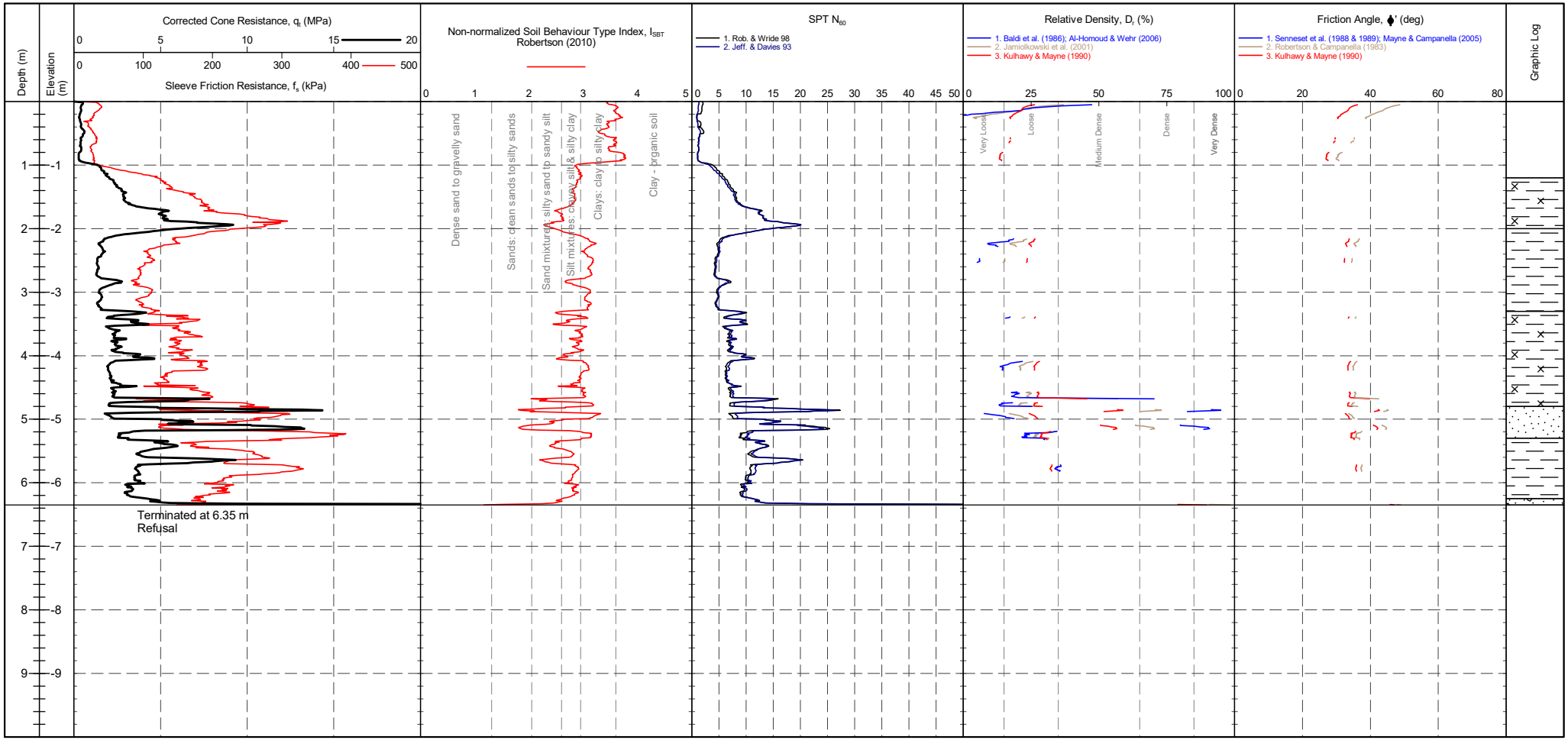
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 29

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	281 mV	280 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 29	Pore Pressure 2	223 mV	240 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2466 mV	2429 mV	

Groundwater Level

Dissipation Test

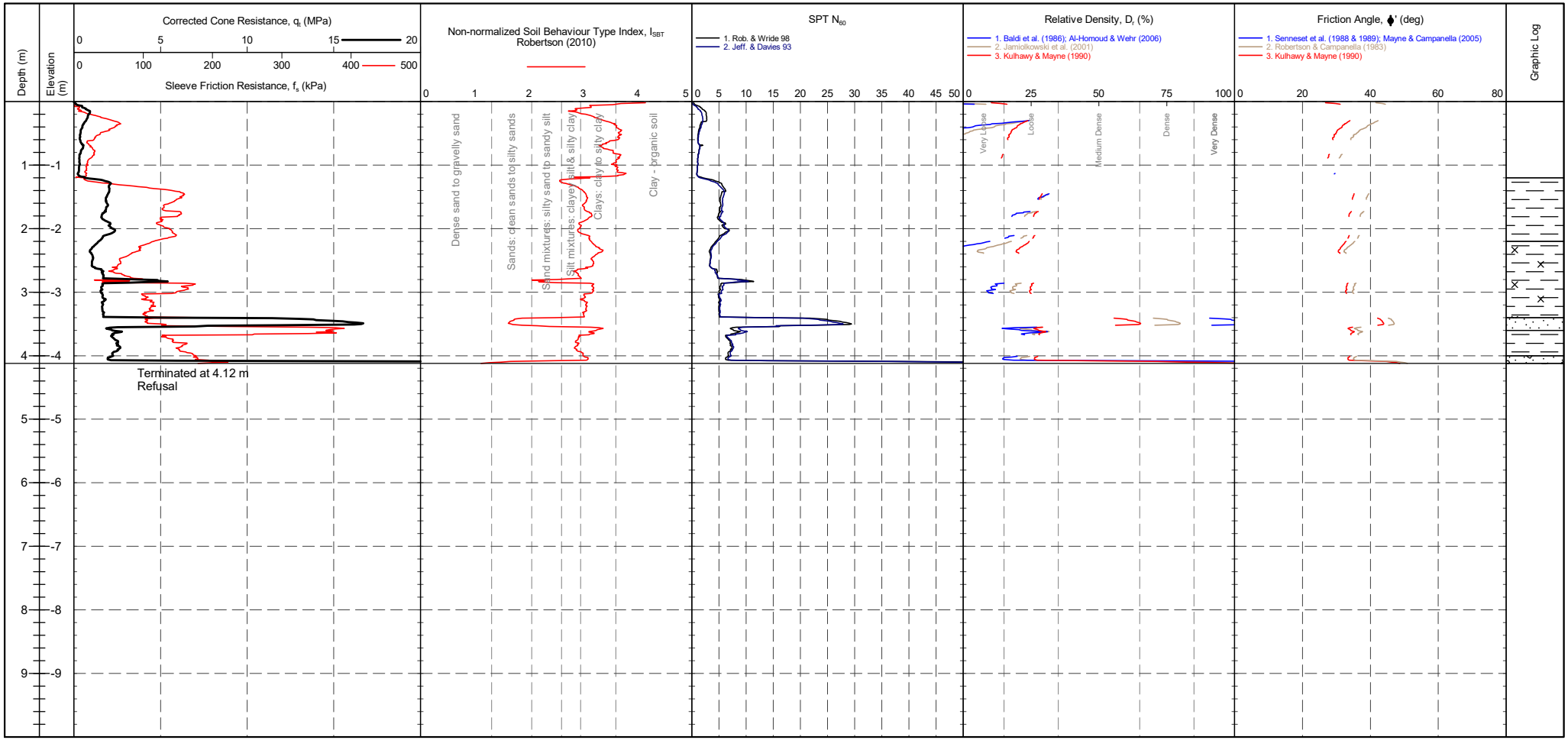
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 30

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	307 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	280 mV	283 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 30	Pore Pressure 2	231 mV	234 mV	0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2437 mV	2466 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

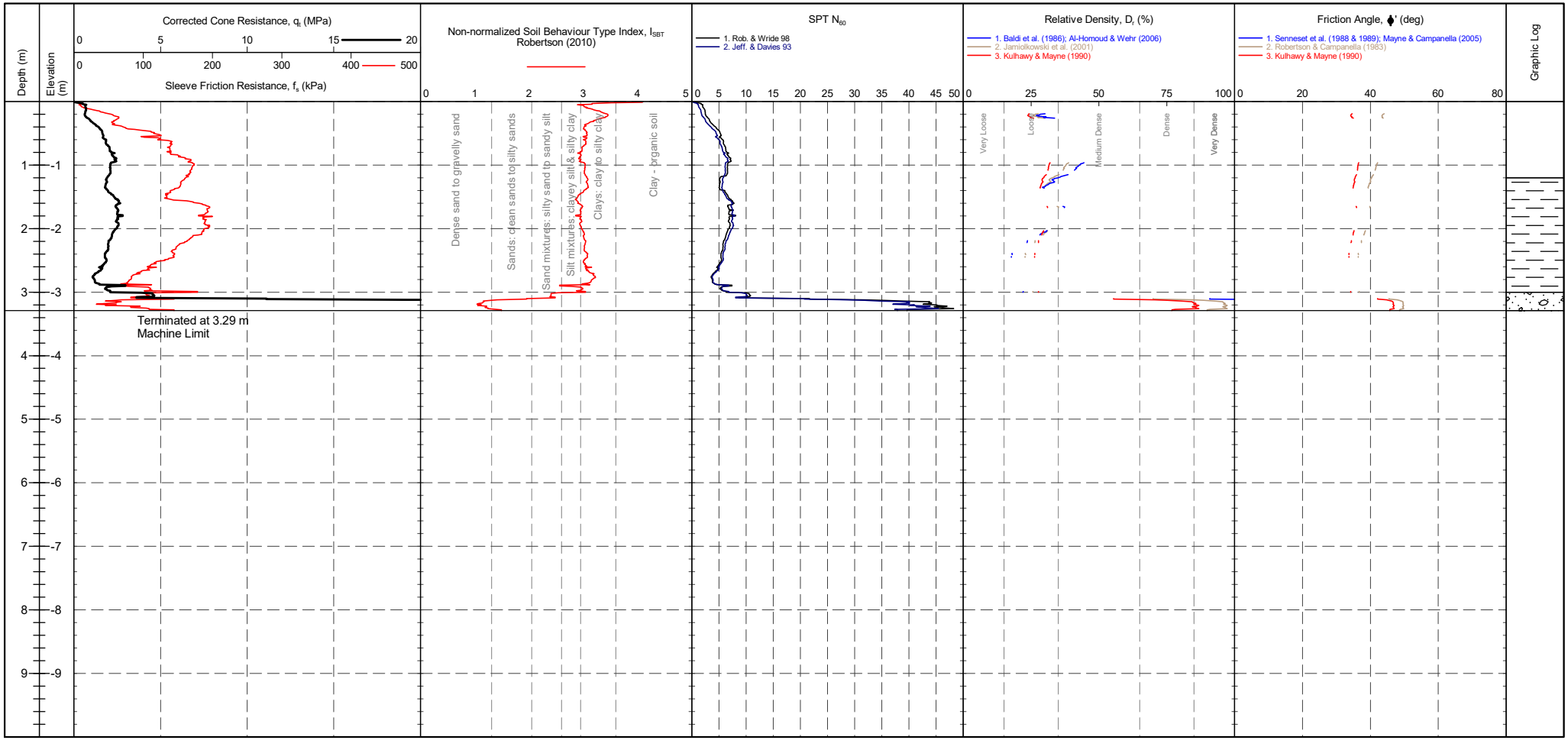
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 31

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	309 mV	0.044 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	282 mV	285 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31	Pore Pressure 2	228 mV	230 mV	0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2432 mV	2438 mV	

Groundwater Level

Dissipation Test

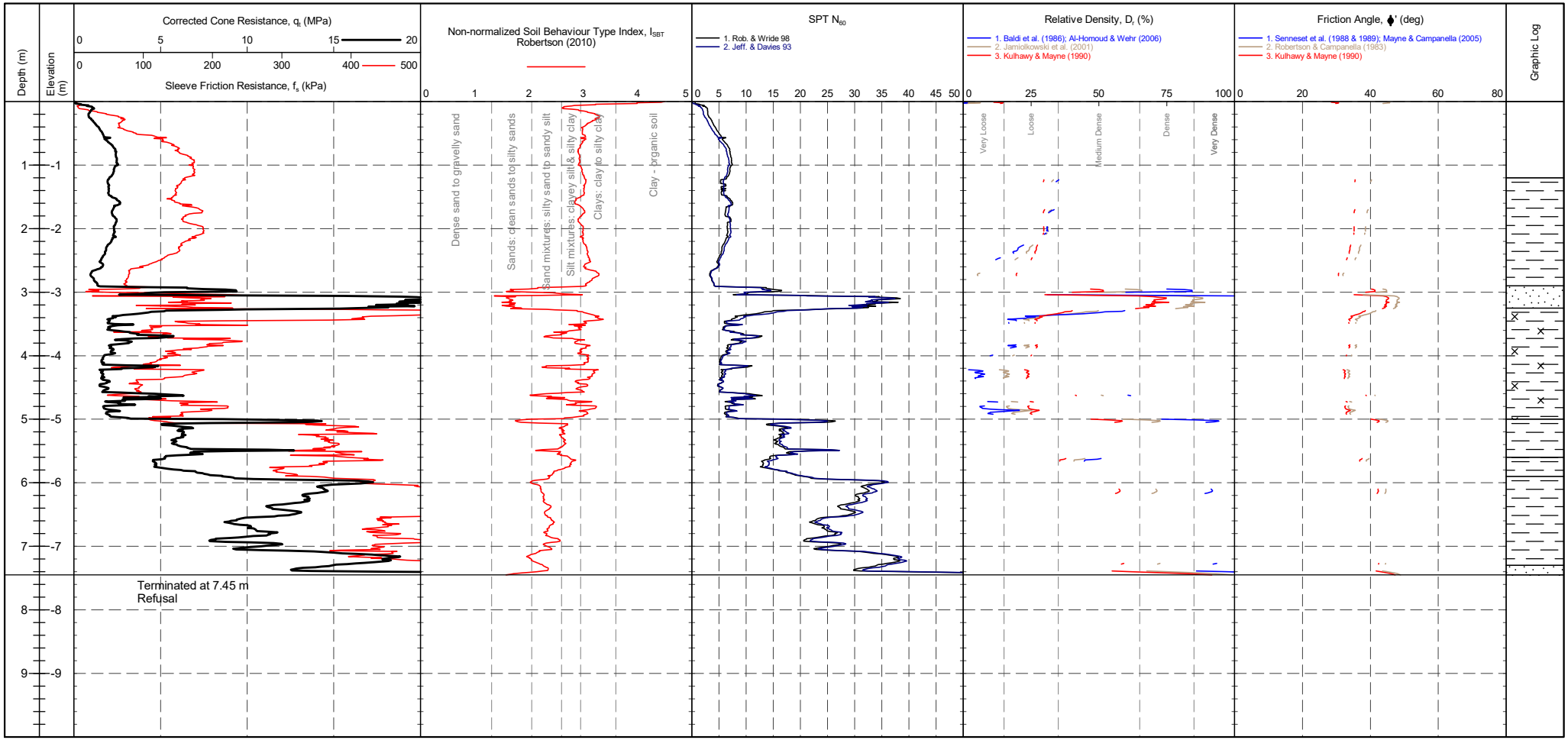
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 31A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Tip	308 mV	305 mV	-0.033 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	284 mV	281 mV	-0.002 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	229 mV	211 mV	-0.005 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31A	X-Y Inclinometer	2439 mV	2453 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

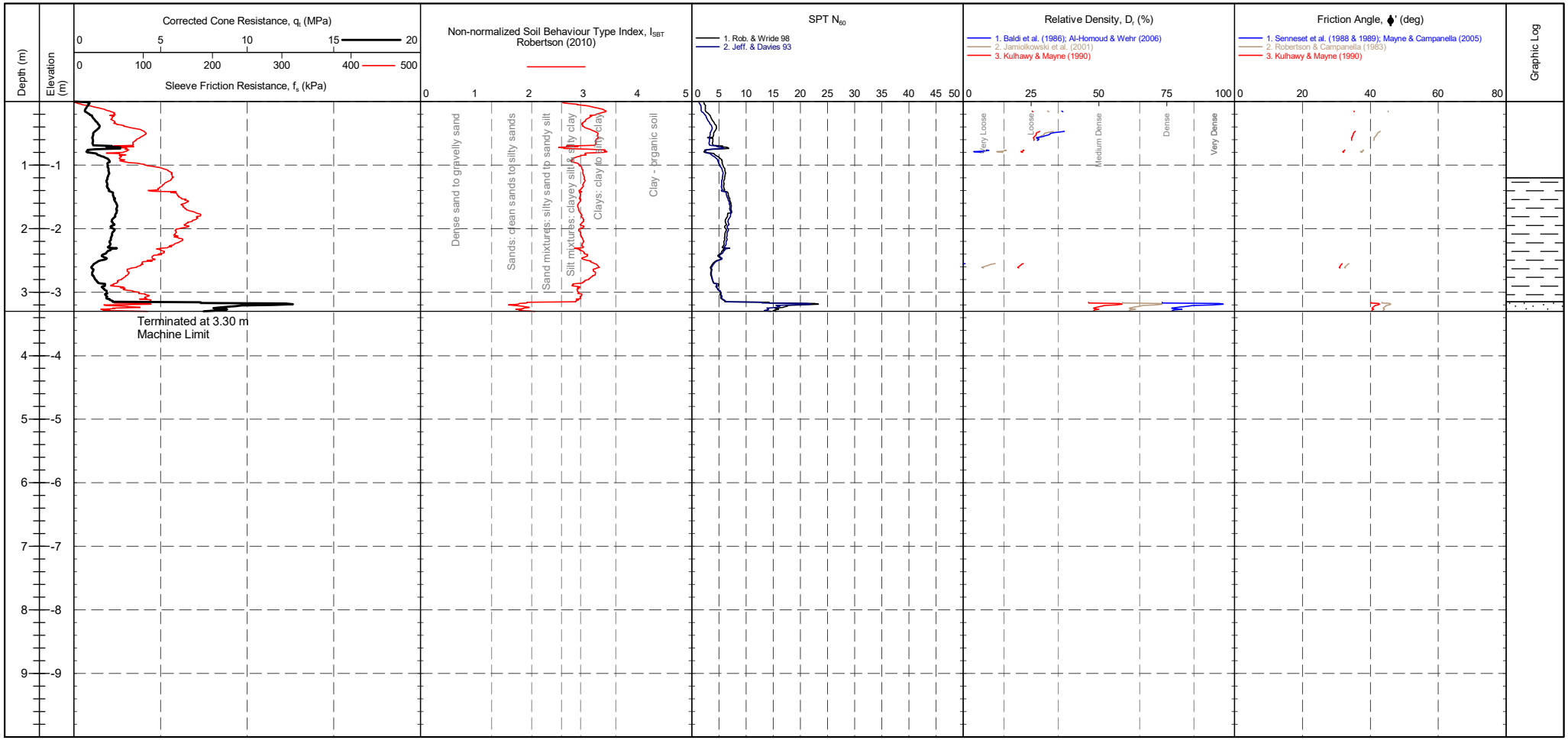
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 31B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	312 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	273 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31B	Pore Pressure 2	237 mV	282 mV	0.013 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2466 mV	2413 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

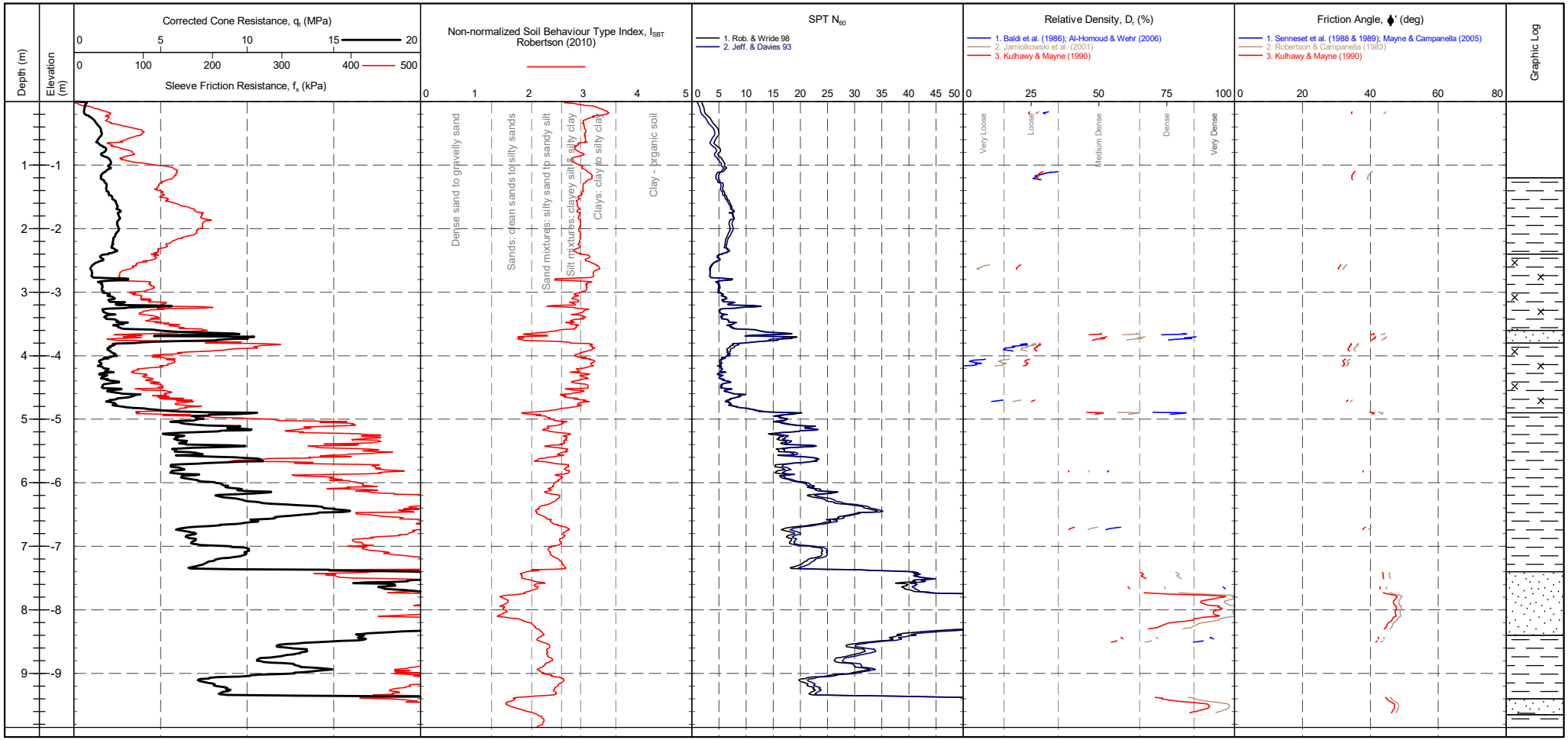
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	311 mV	308 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	273 mV	264 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	Pore Pressure 2	266 mV	99 mV	-0.047 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2405 mV	2420 mV	

Groundwater Level

Dissipation Test

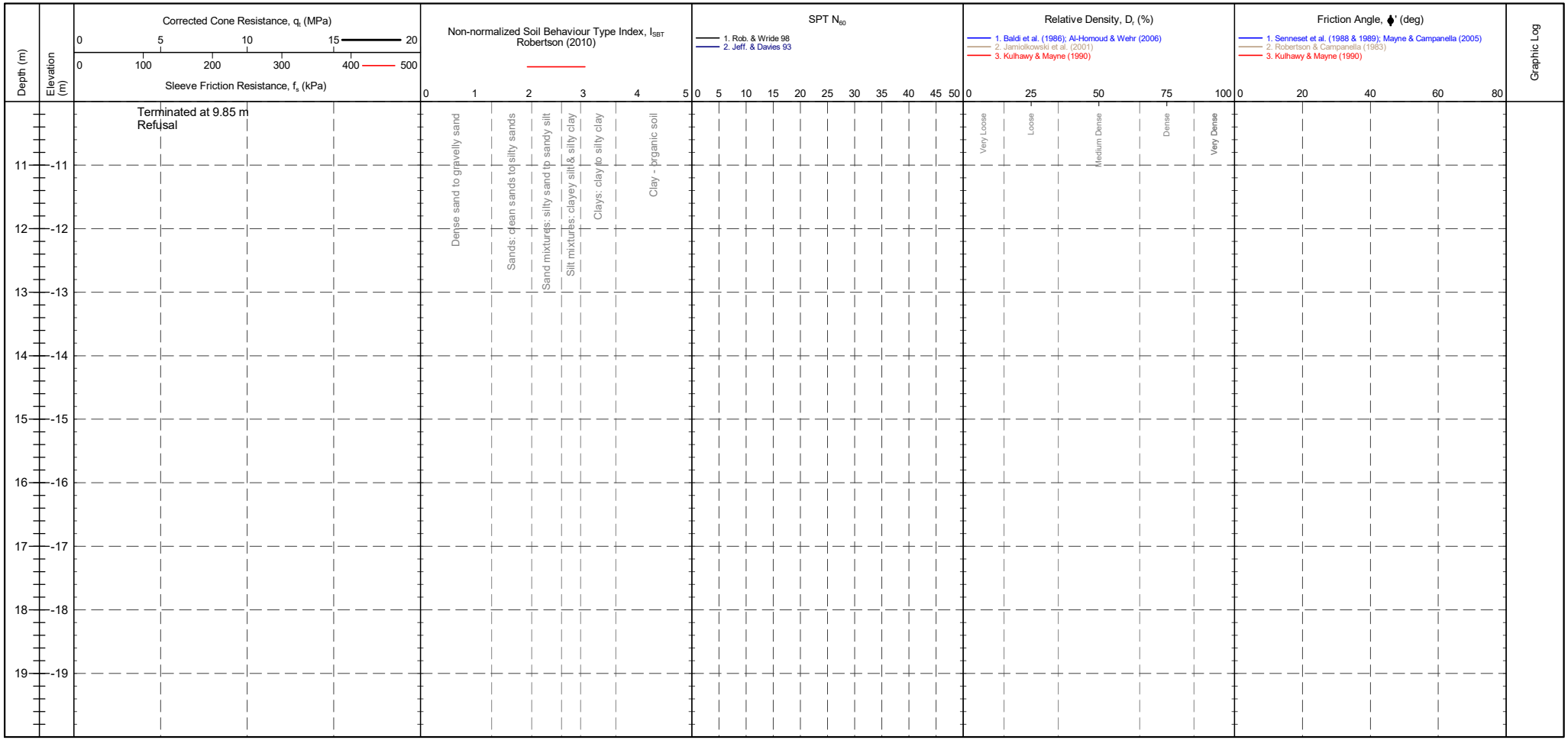
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 31C

CLIENT : Dunelm Geotechnical PROJECT : Sunderland LOCATION : Sunderland PROJECT No. : 1170315	EASTING : NORTHING : ELEVATION : 0.00 m CHECKED BY : LD TERMINATION REASON : Refusal	REMARK Test refused on sleeve friction.	SHEET : 2 OF 2 STATUS : Final TEST DATE : 07/08/2017 PLOT DATE : 10/08/2017 METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	311 mV	308 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	273 mV	264 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	Pore Pressure 2	266 mV	99 mV	-0.047 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2405 mV	2420 mV	

Groundwater Level

Dissipation Test

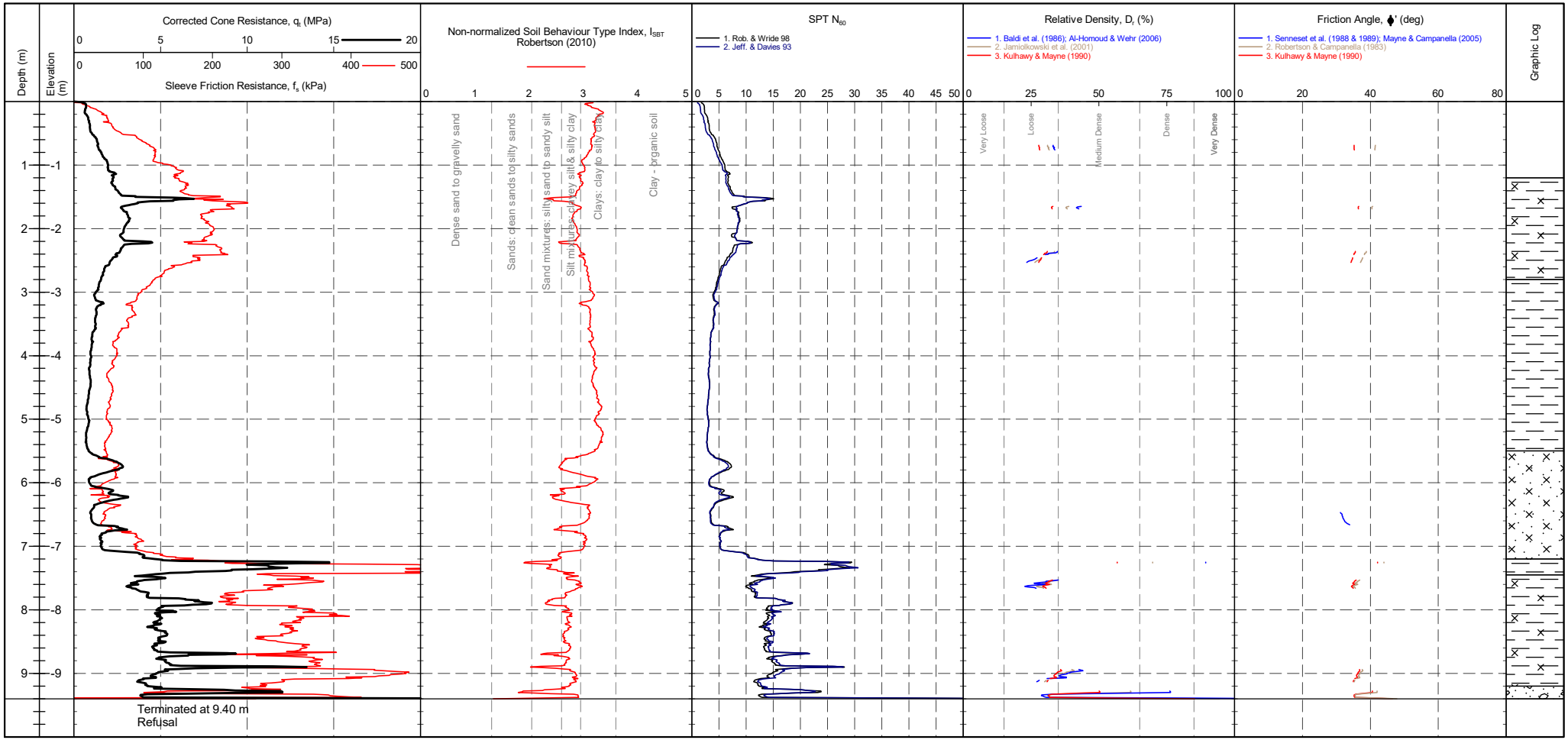
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 32

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Tip	304 mV	310 mV	0.066 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	267 mV	275 mV	0.006 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	234 mV	300 mV	0.019 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32	X-Y Inclinometer	2439 mV	2437 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

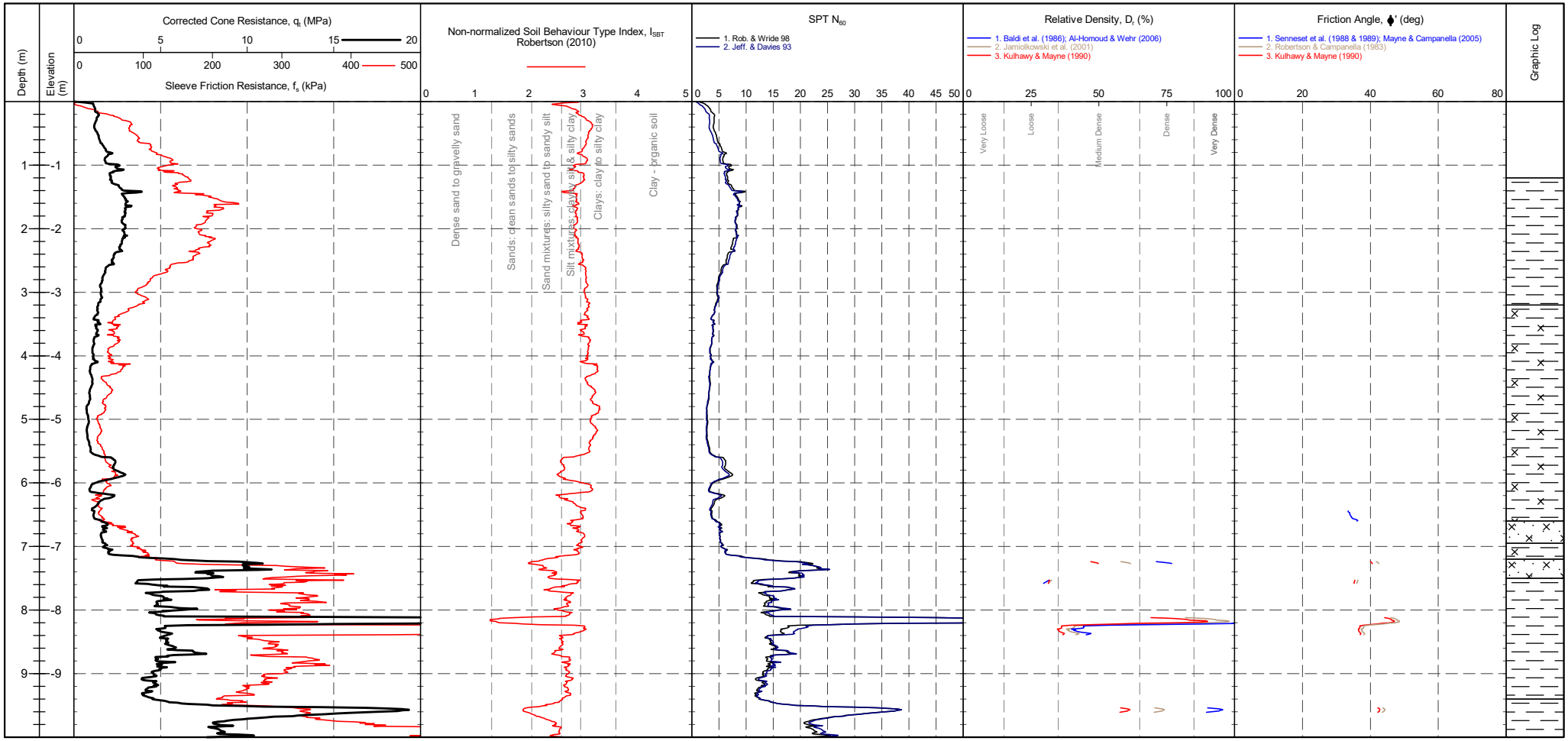
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	307 mV	-0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	266 mV	268 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B	Pore Pressure 2	170 mV	234 mV	0.018 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2408 mV	2483 mV	

Groundwater Level

Dissipation Test

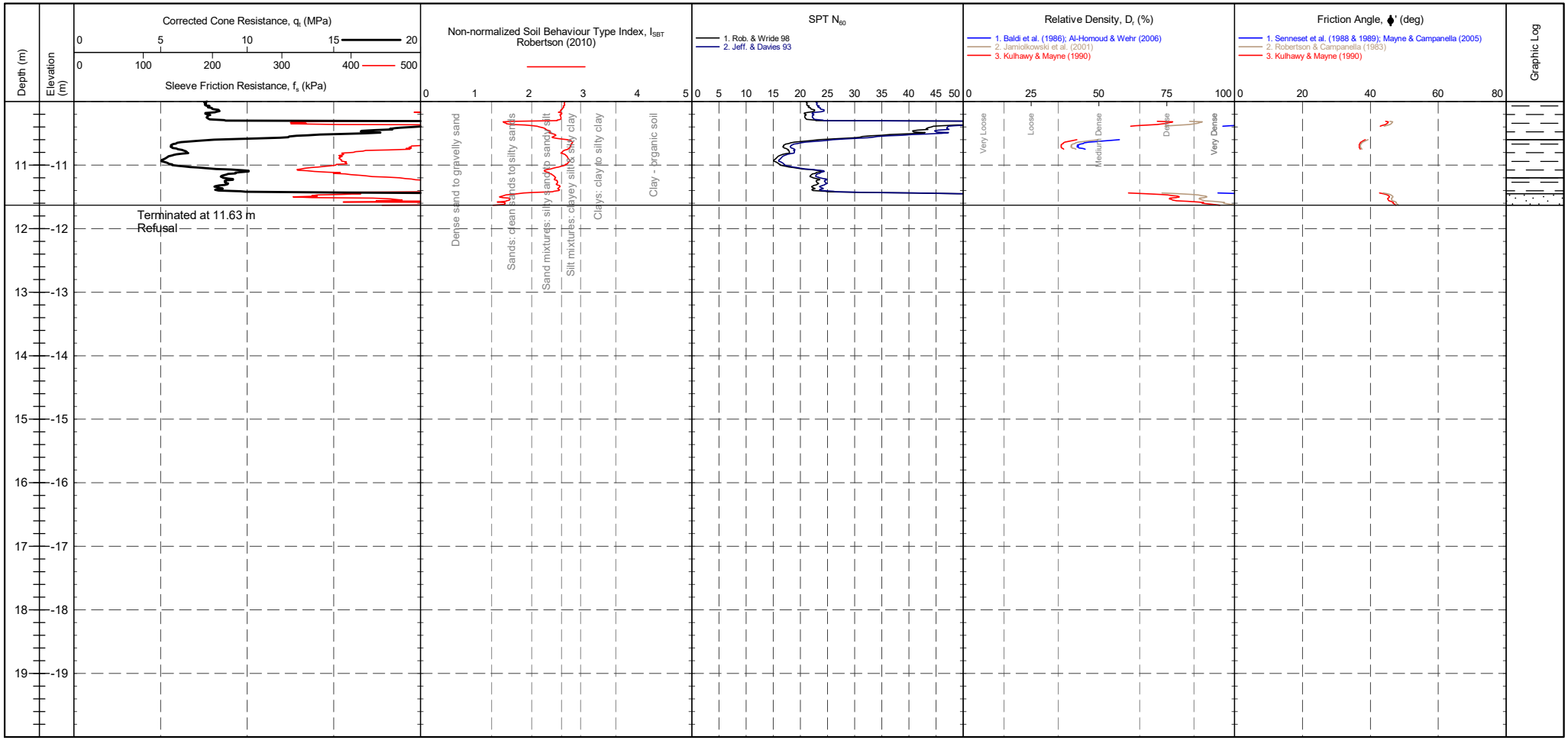
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	309 mV	307 mV	-0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	268 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	170 mV	234 mV	0.018 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B	X-Y Inclinometer	2408 mV	2483 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild				

Groundwater Level

Dissipation Test

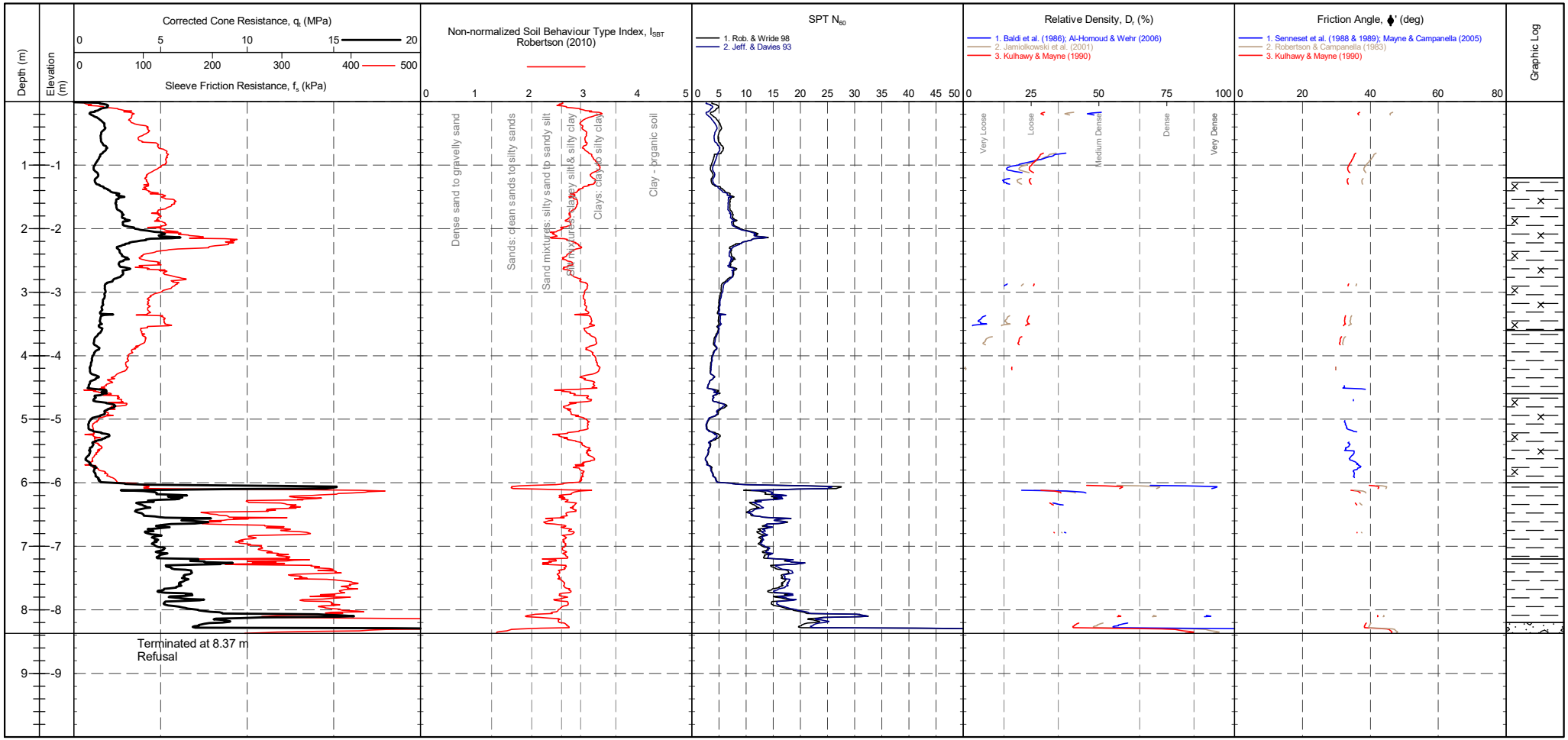
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 33

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	282 mV	268 mV	-0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 33	Pore Pressure 2	225 mV	259 mV	0.01 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2530 mV	2436 mV	

Groundwater Level

Dissipation Test

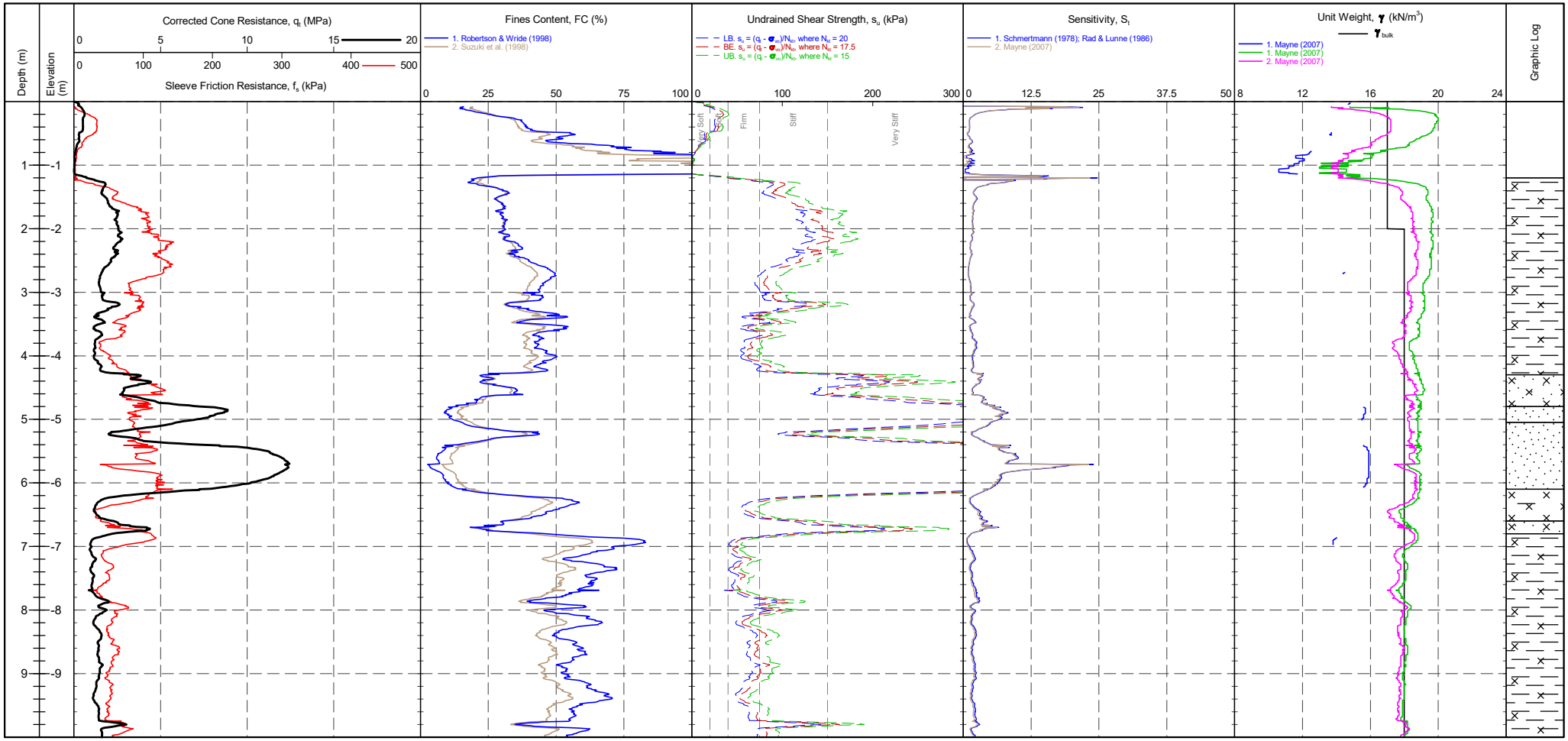
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	309 mV	308 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	277 mV	271 mV	-0.004 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	242 mV	271 mV	0.008 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	X-Y Inclinometer	2403 mV	2427 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild				

Groundwater Level

Dissipation Test

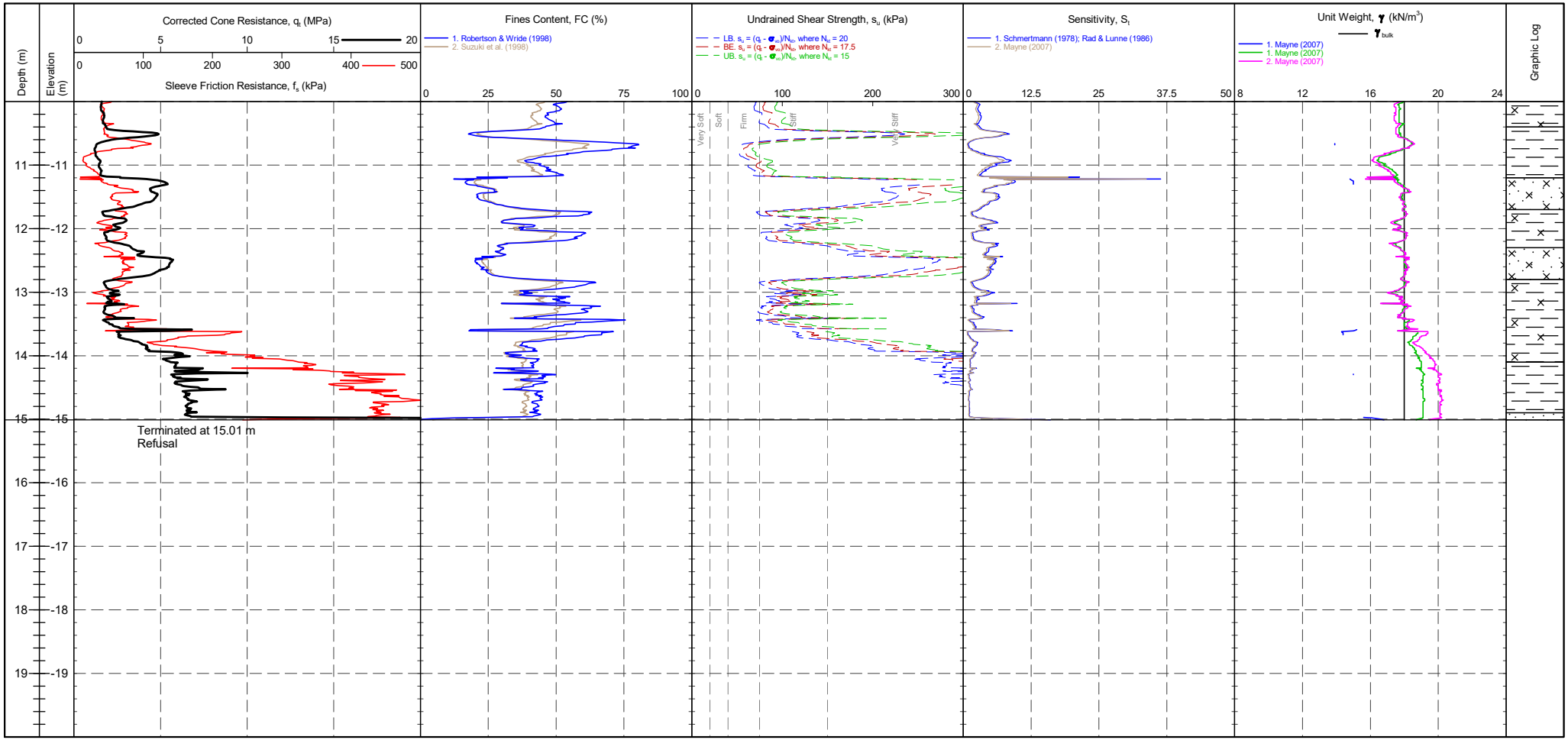
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	309 mV	308 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	277 mV	271 mV	-0.004 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	242 mV	271 mV	0.008 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	X-Y Inclinometer	2403 mV	2427 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild				

Groundwater Level

Dissipation Test

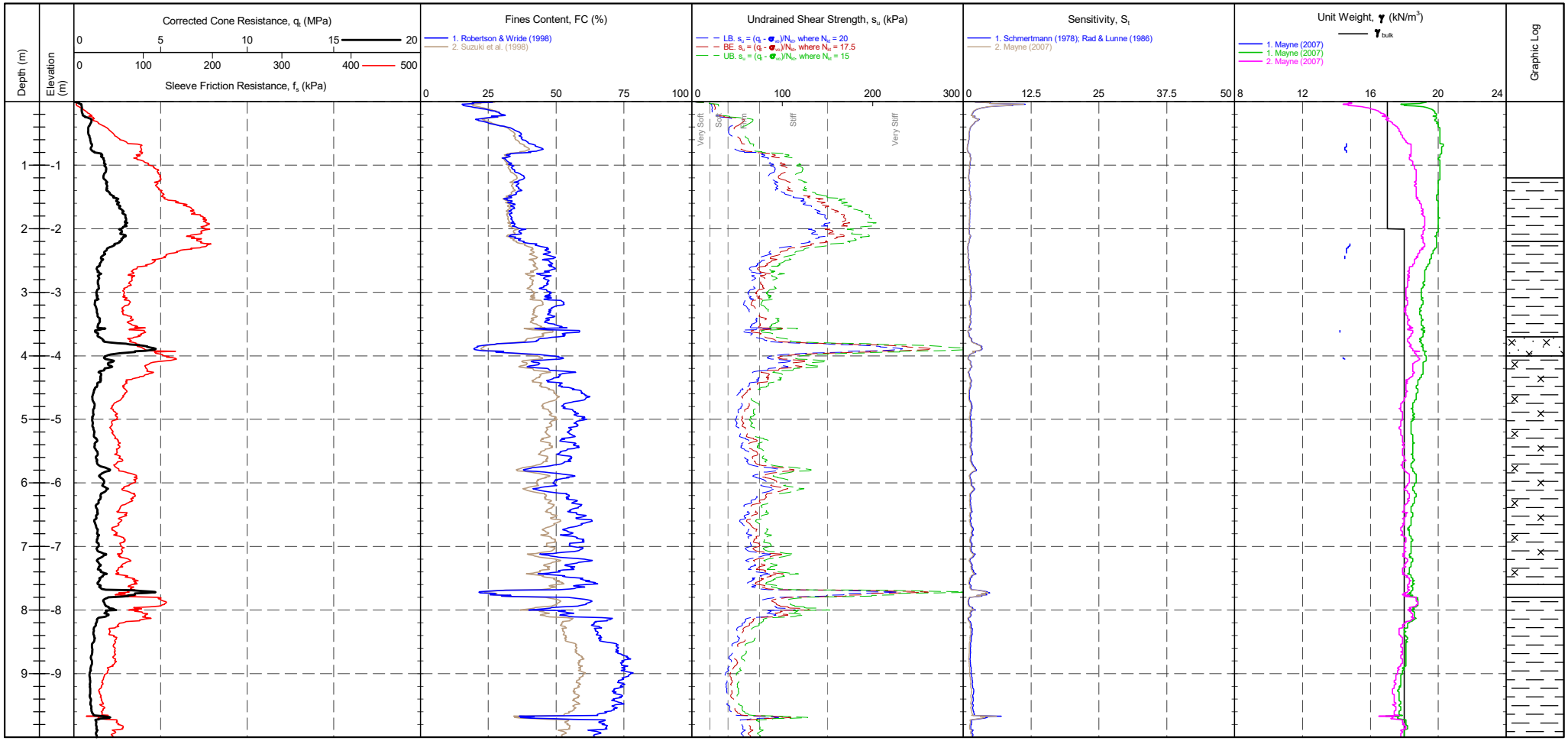
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	306 mV	0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	263 mV	266 mV	0.002 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	260 mV	235 mV	-0.007 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	X-Y Inclinometer	2427 mV	2439 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

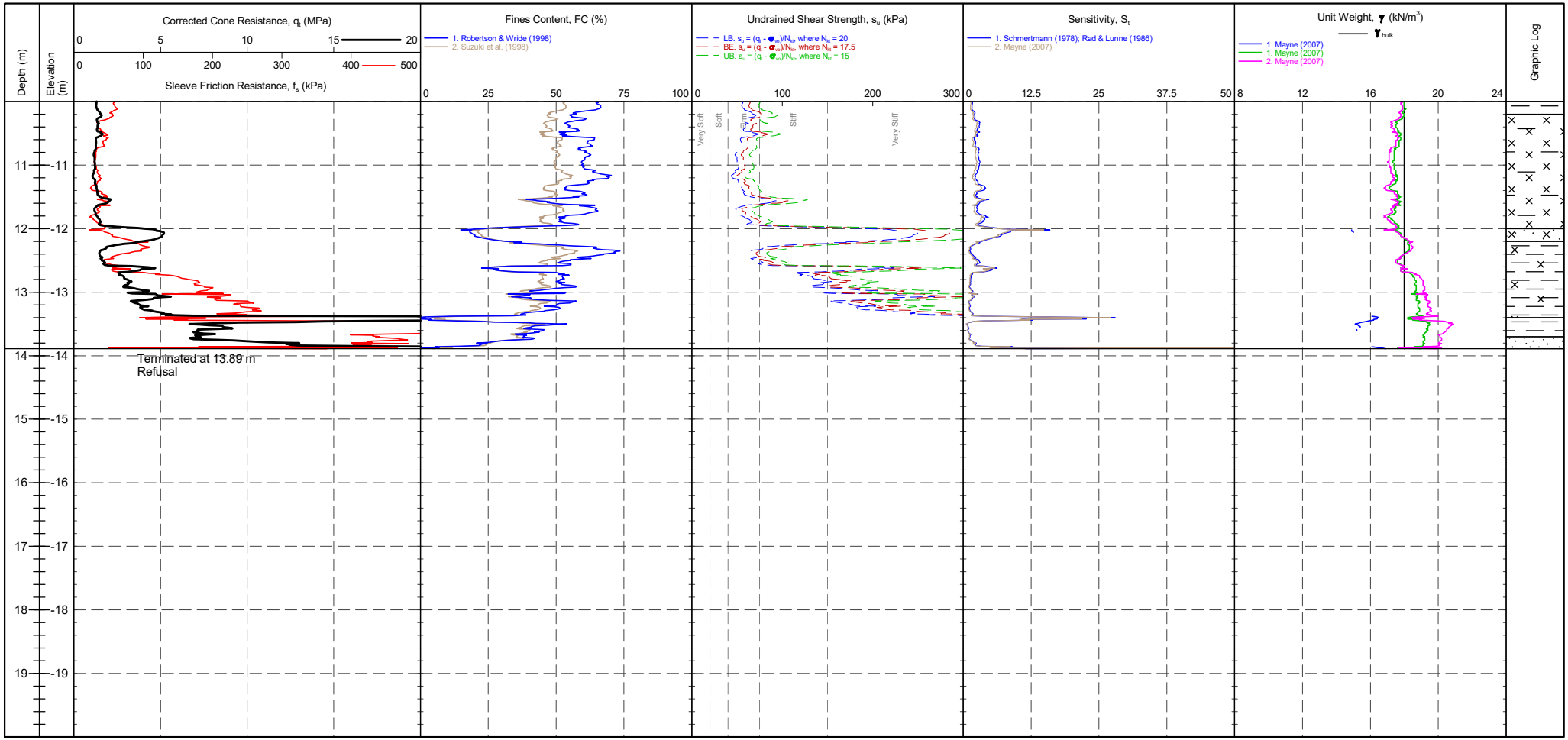
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	306 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	263 mV	266 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	Pore Pressure 2	260 mV	235 mV	-0.007 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2427 mV	2439 mV	

Groundwater Level

Dissipation Test

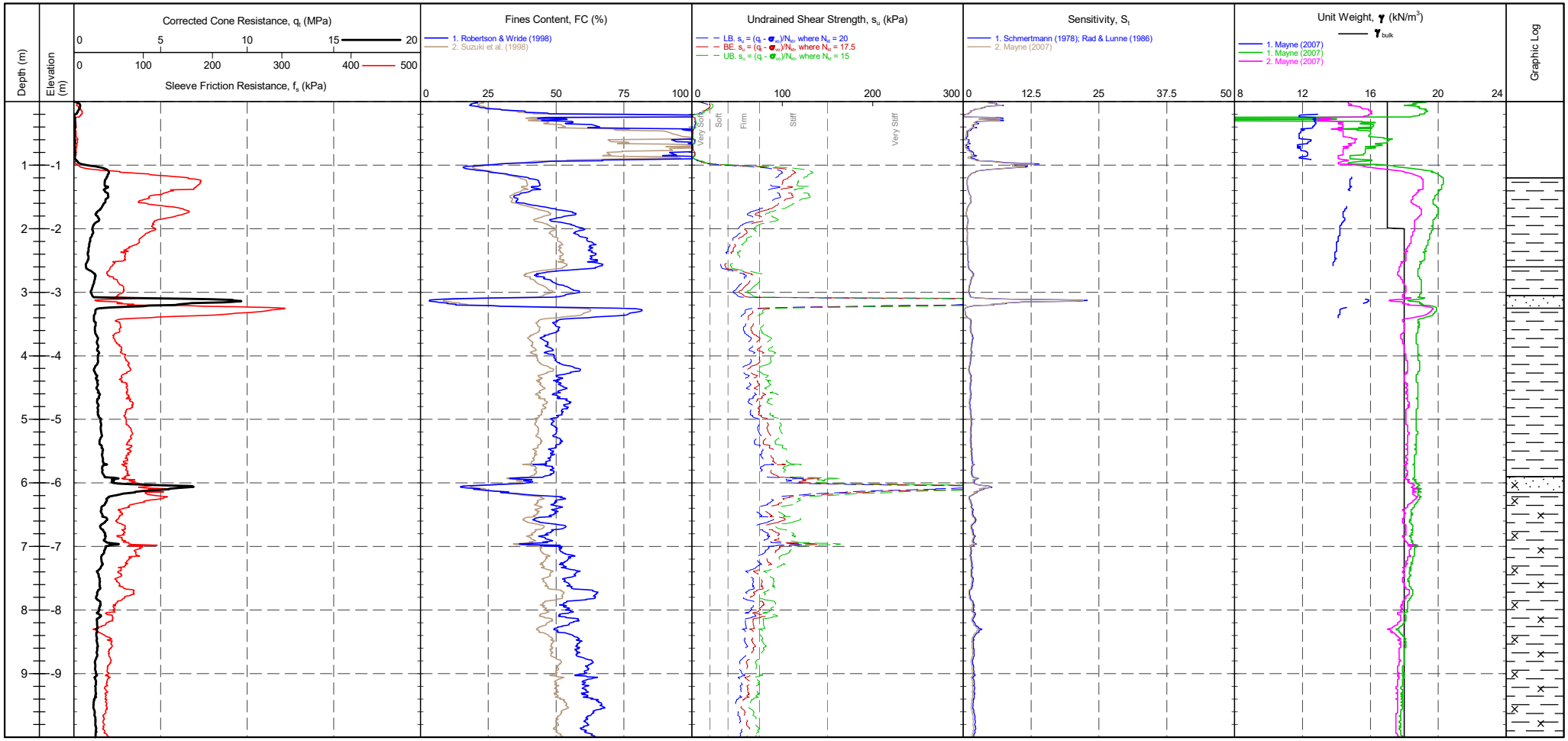
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	304 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	265 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	227 mV	262 mV	0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	X-Y Inclinometer	2411 mV	2426 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

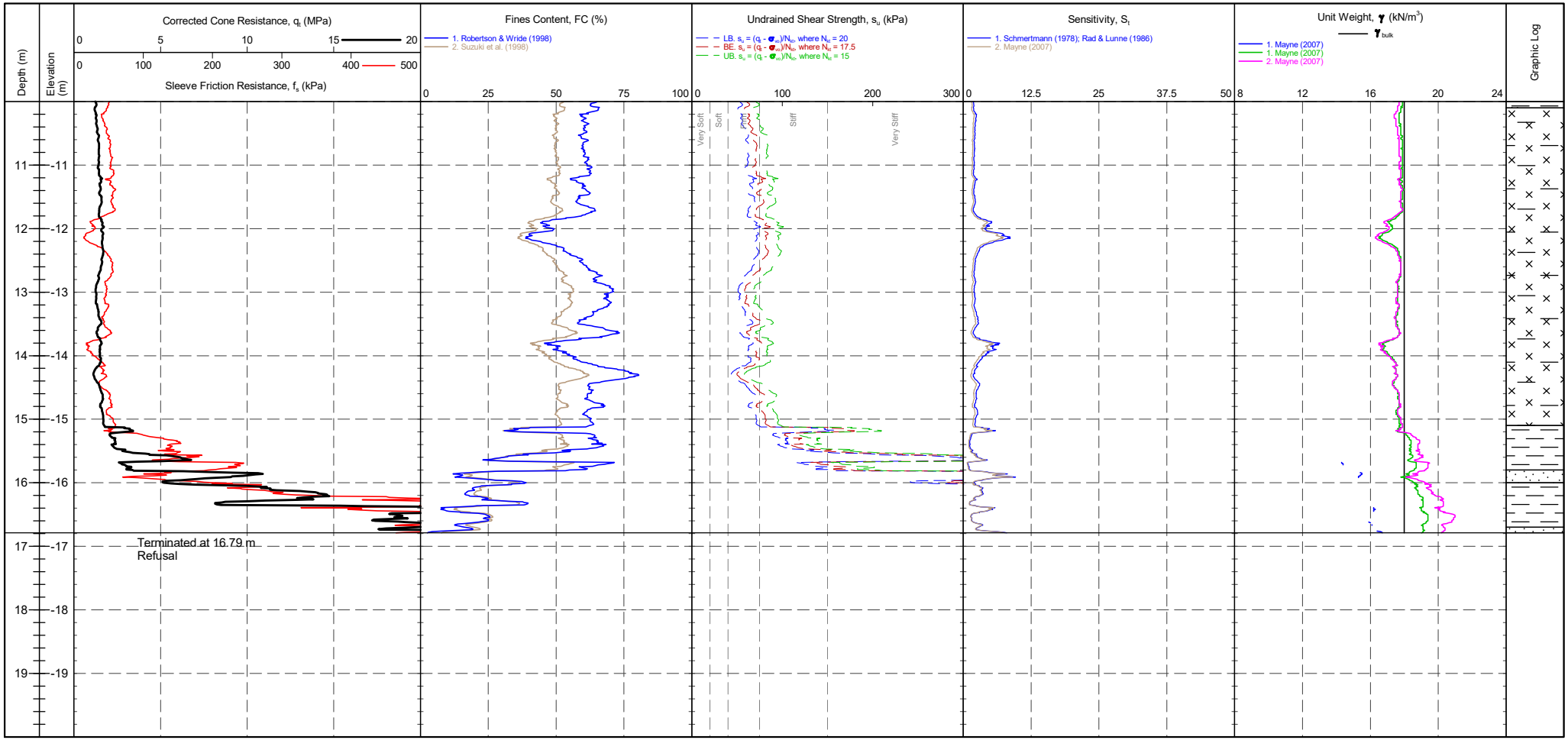
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	304 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	265 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	227 mV	262 mV	0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	X-Y Inclinometer	2411 mV	2426 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

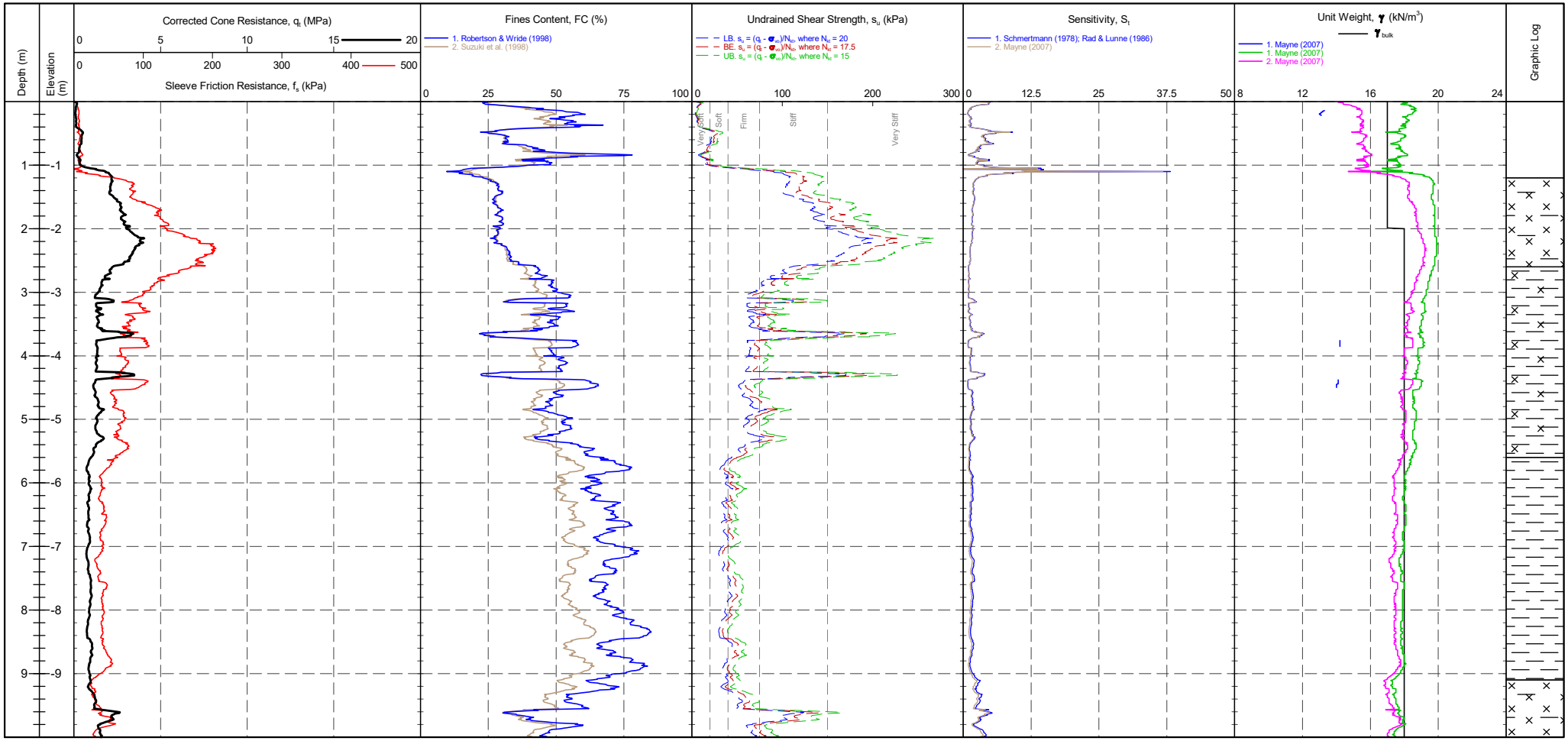
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	305 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	279 mV	273 mV	-0.004 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	238 mV	276 mV	0.011 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	X-Y Inclinometer	2446 mV	2466 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

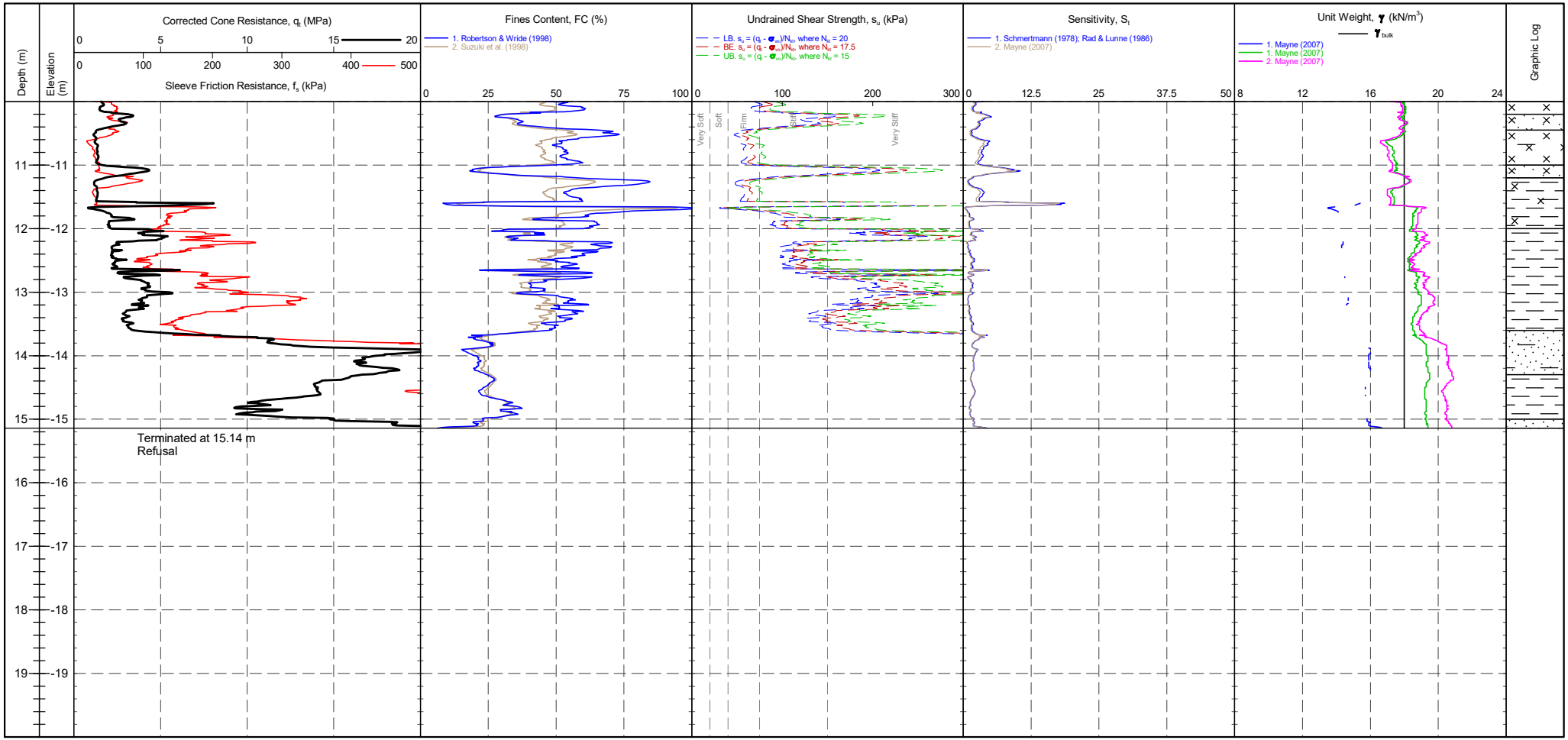
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	305 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	279 mV	273 mV	-0.004 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	238 mV	276 mV	0.011 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	X-Y Inclinometer	2446 mV	2466 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

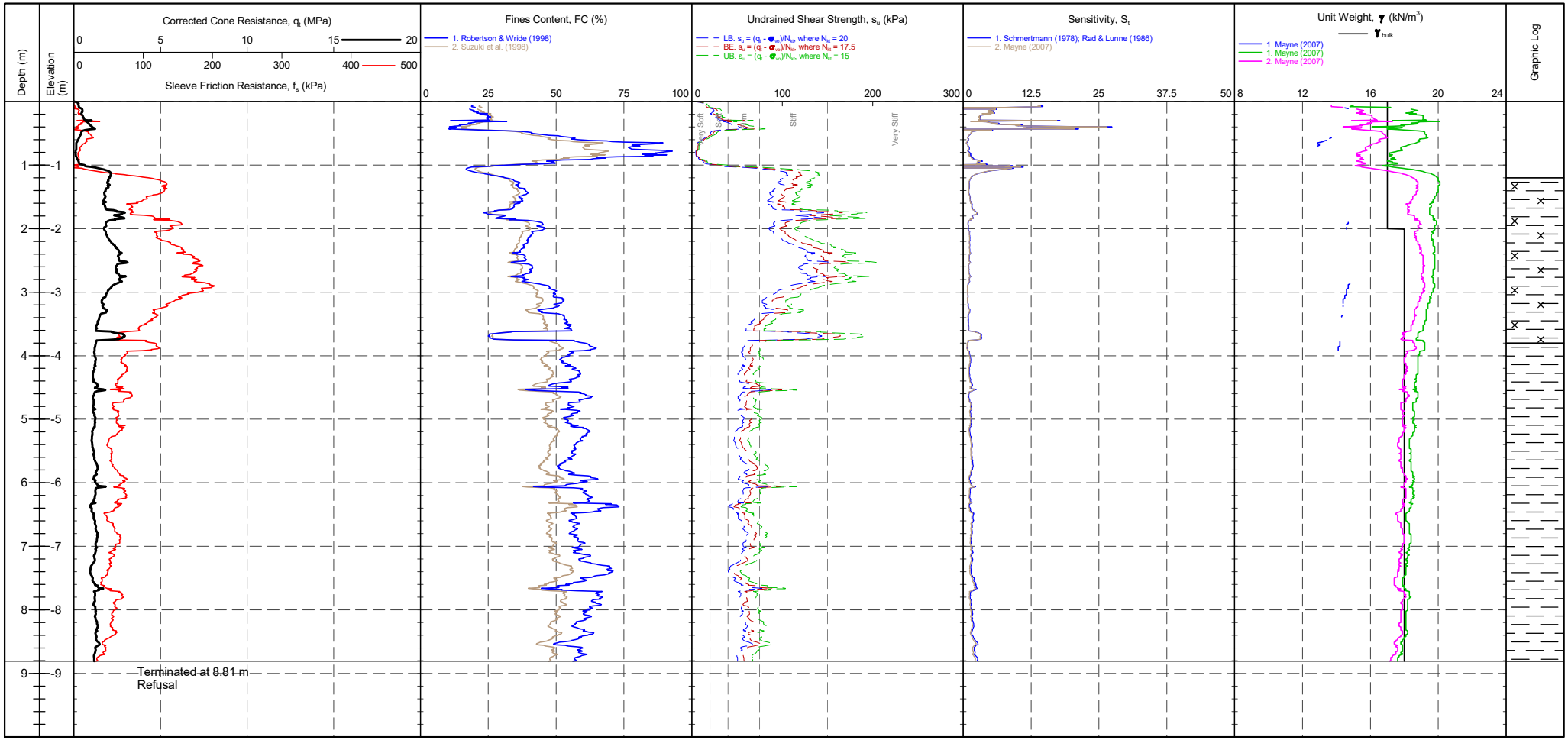
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 20

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	304 mV	306 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	264 mV	265 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	253 mV	238 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 20	X-Y Inclinometer	2424 mV	2391 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

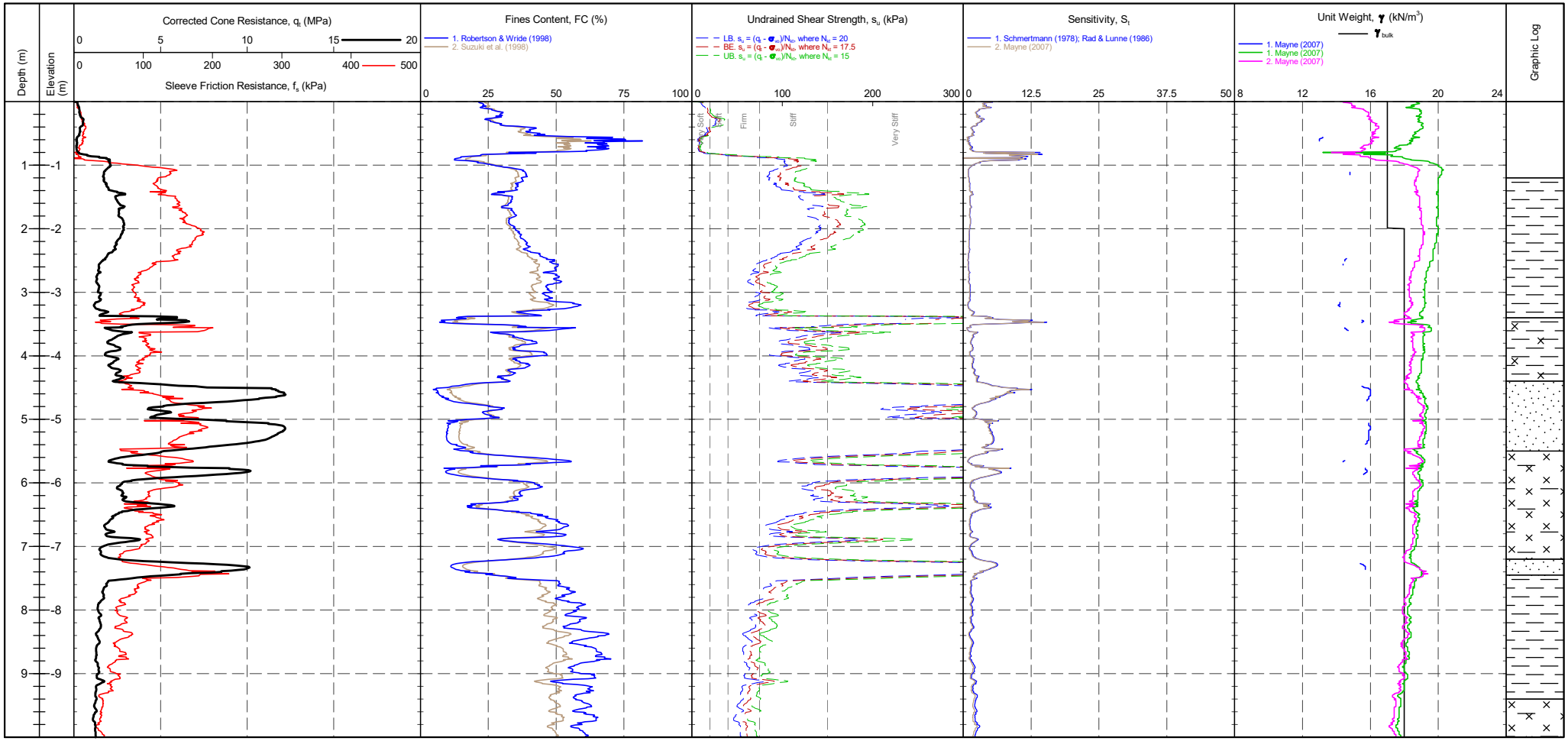
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	306 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	275 mV	263 mV / -0.009 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	Pore Pressure 2	278 mV	269 mV / -0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2428 mV	2402 mV

Groundwater Level

Dissipation Test

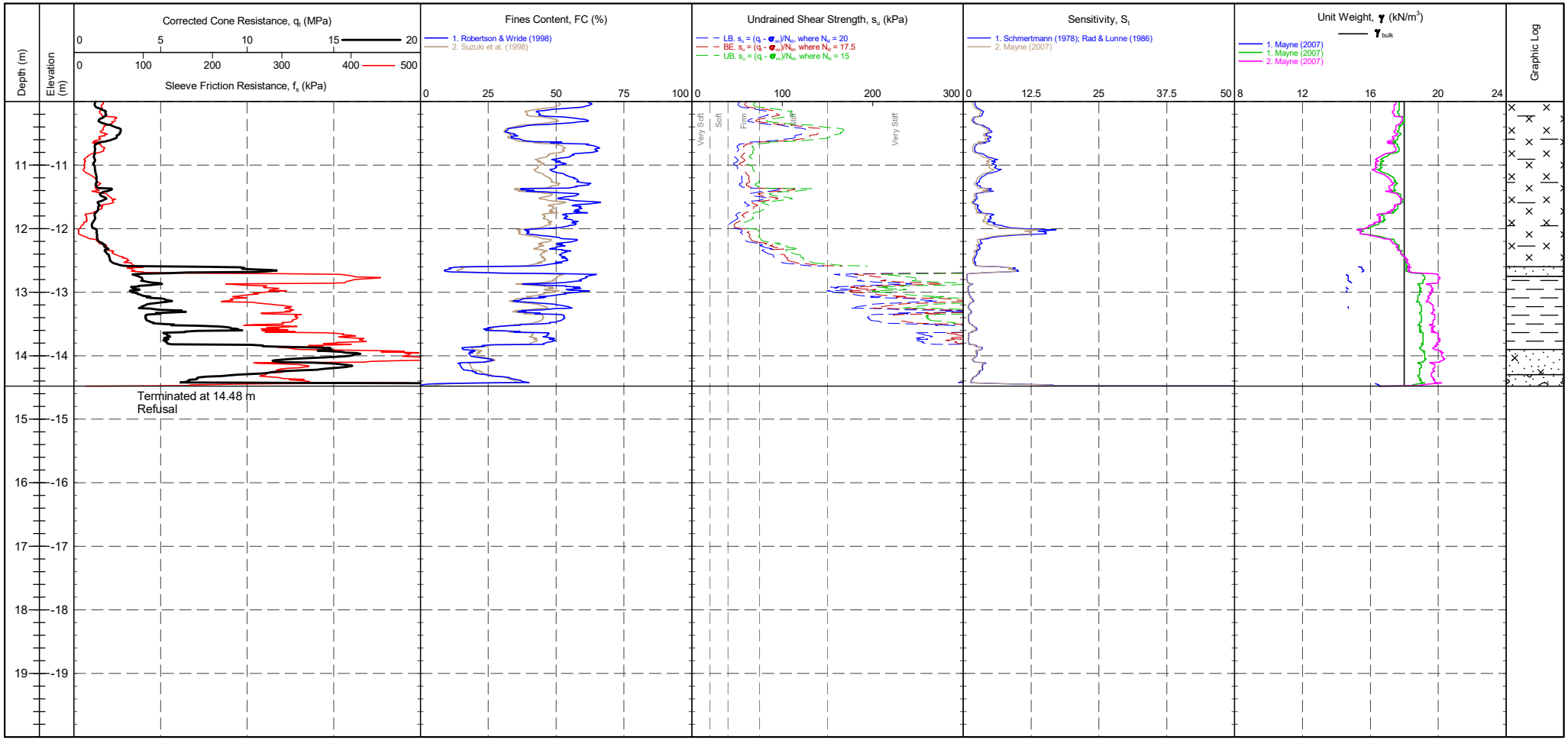
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	306 mV	306 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	275 mV	263 mV	-0.009 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	278 mV	269 mV	-0.003 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	X-Y Inclinometer	2428 mV	2402 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

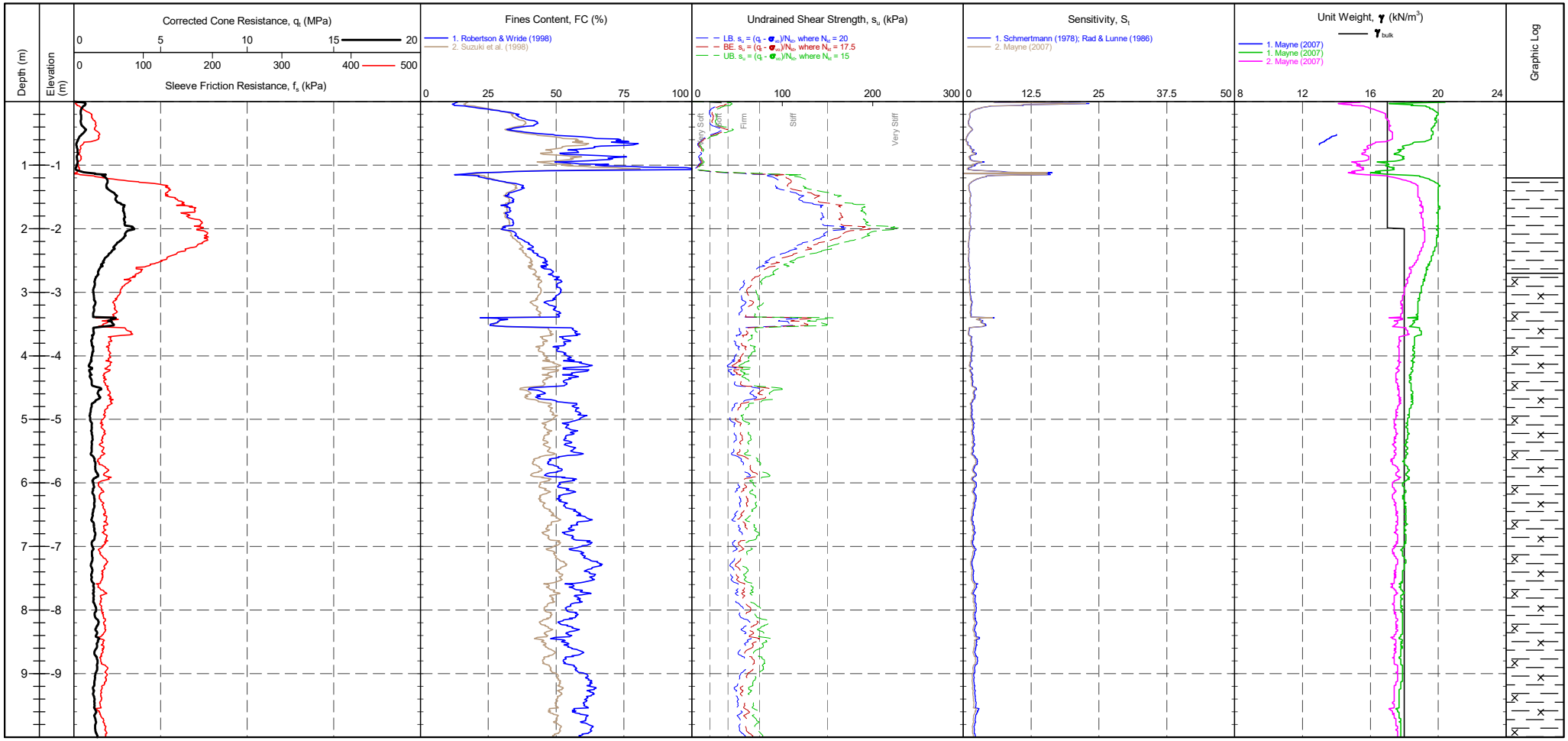
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	264 mV / -0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	Pore Pressure 2	232 mV	334 mV / 0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2423 mV	2428 mV

Groundwater Level

Dissipation Test

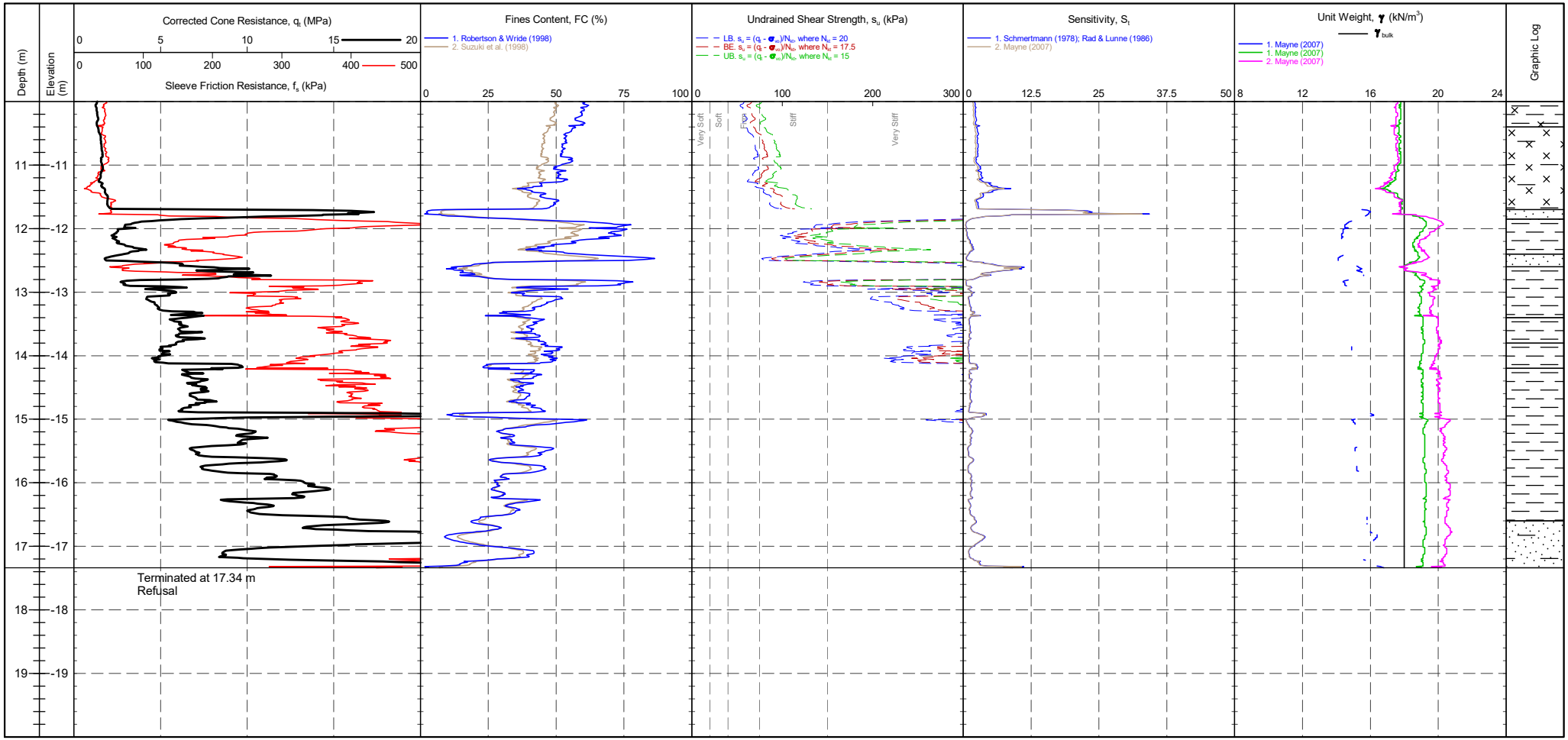
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	264 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	Pore Pressure 2	232 mV	334 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2423 mV	2428 mV	

Groundwater Level

Dissipation Test

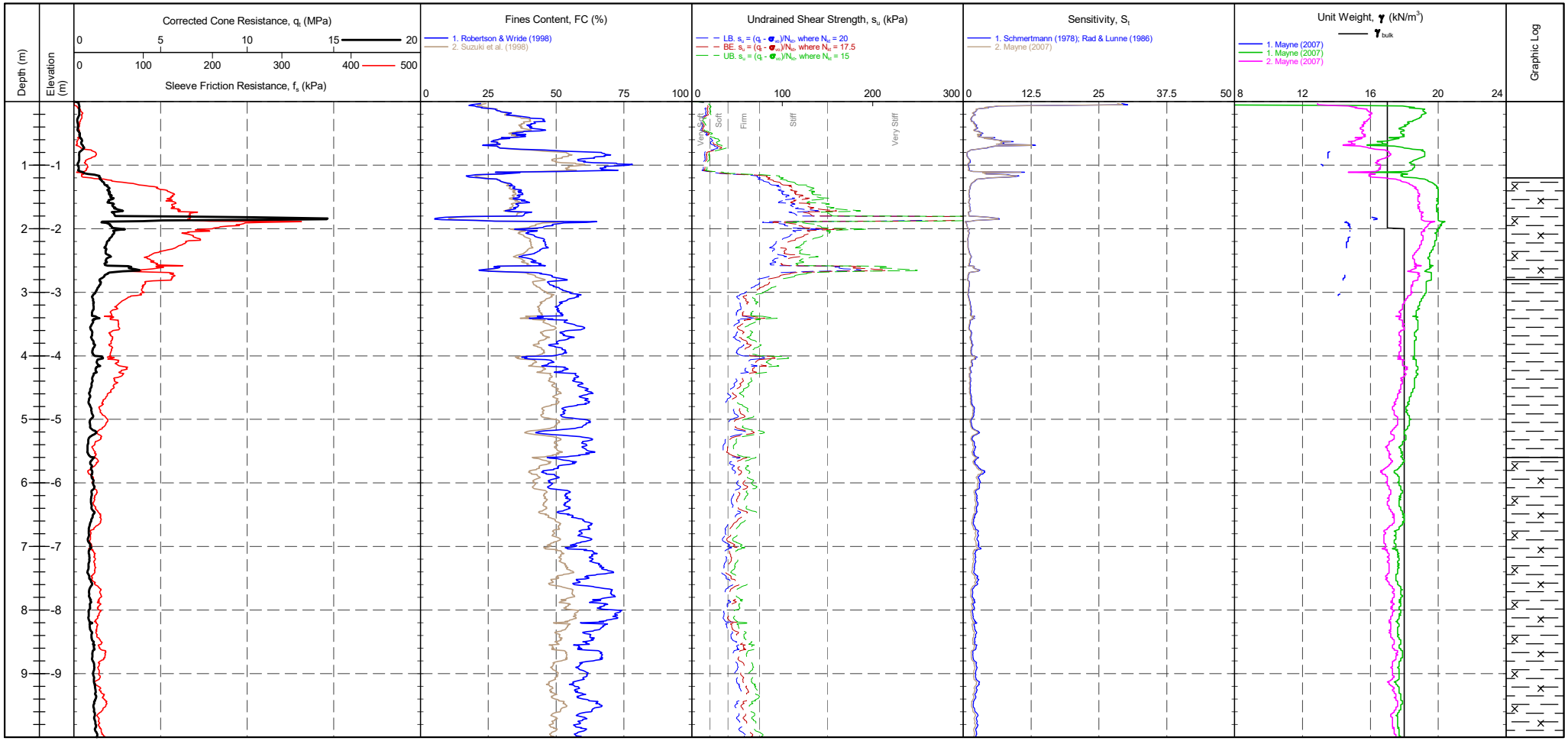
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	304 mV	306 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	268 mV	269 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	243 mV	242 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	X-Y Inclinometer	2416 mV	2413 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

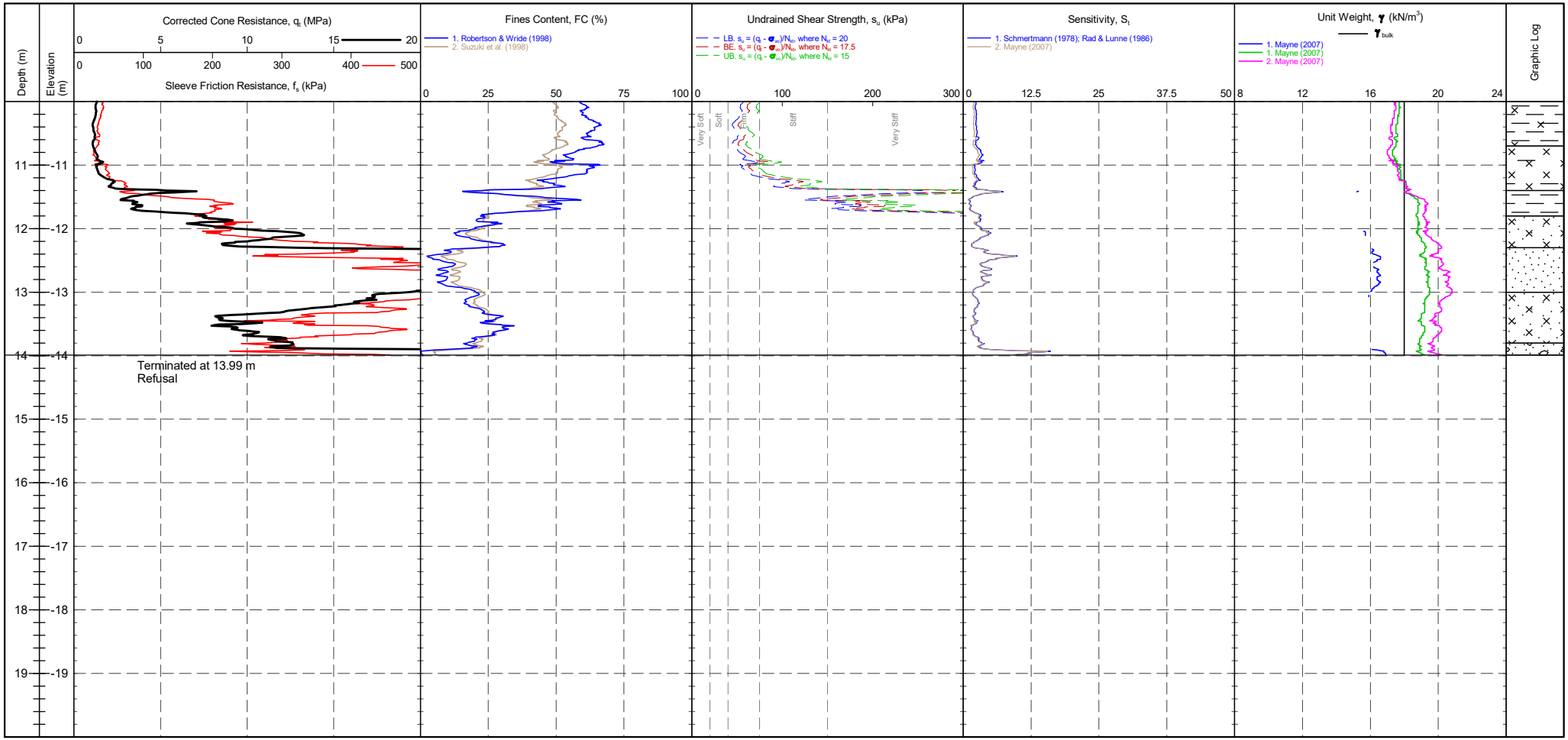
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	304 mV	306 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	268 mV	269 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	243 mV	242 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	X-Y Inclinometer	2416 mV	2413 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

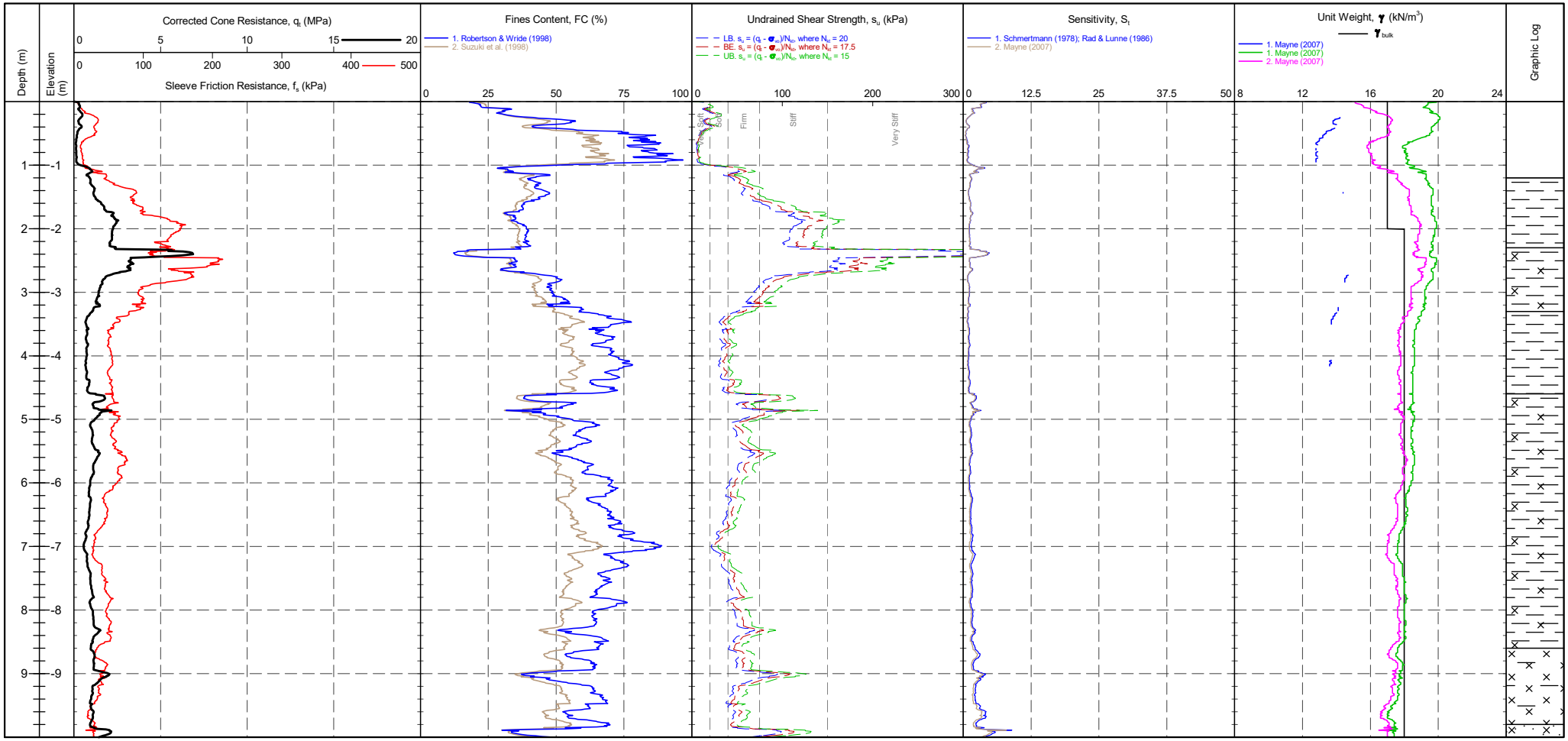
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	269 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV	361 mV	0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV	2447 mV	

Groundwater Level

Dissipation Test

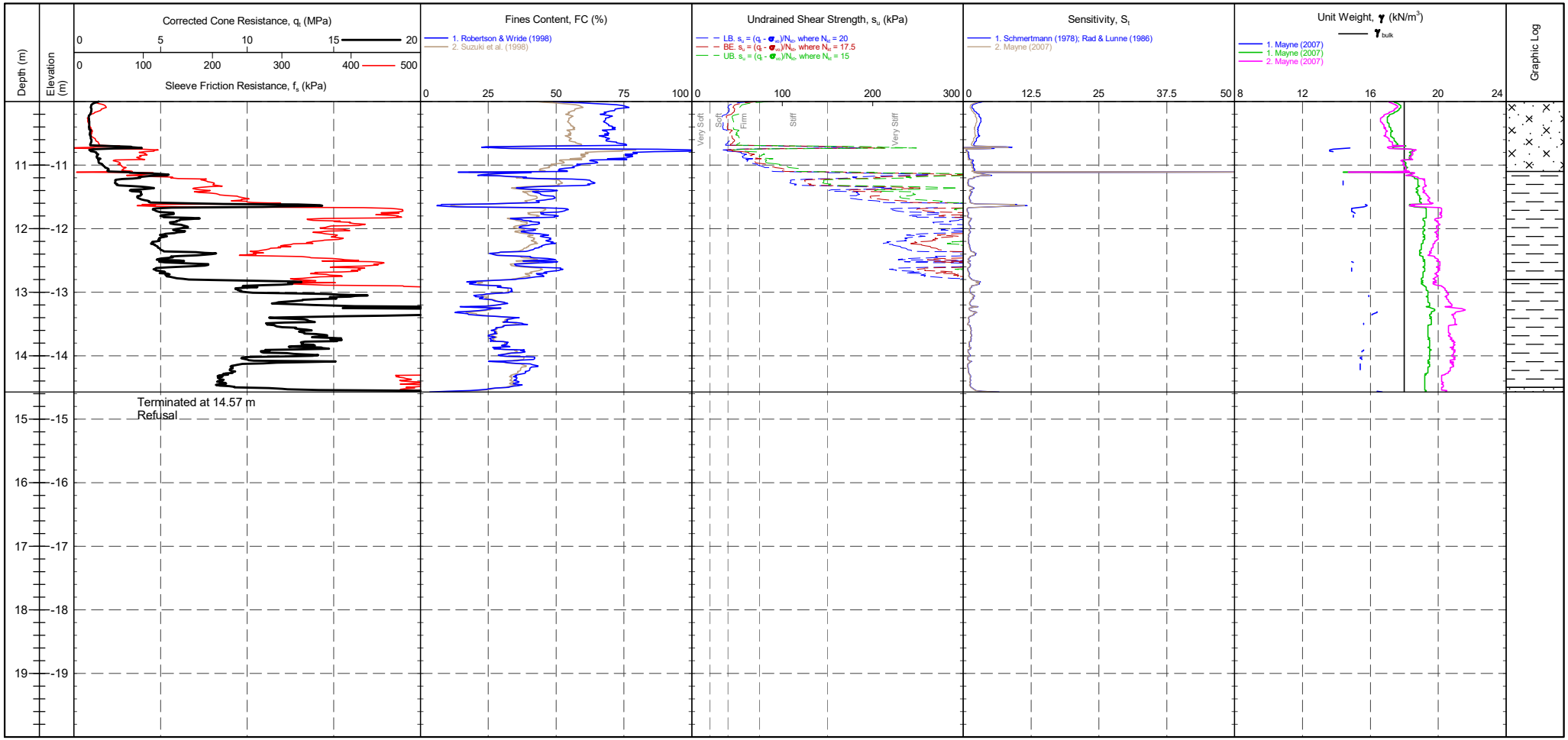
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	305 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	269 mV	269 mV	0 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	263 mV	361 mV	0.028 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	X-Y Inclinometer	2456 mV	2447 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

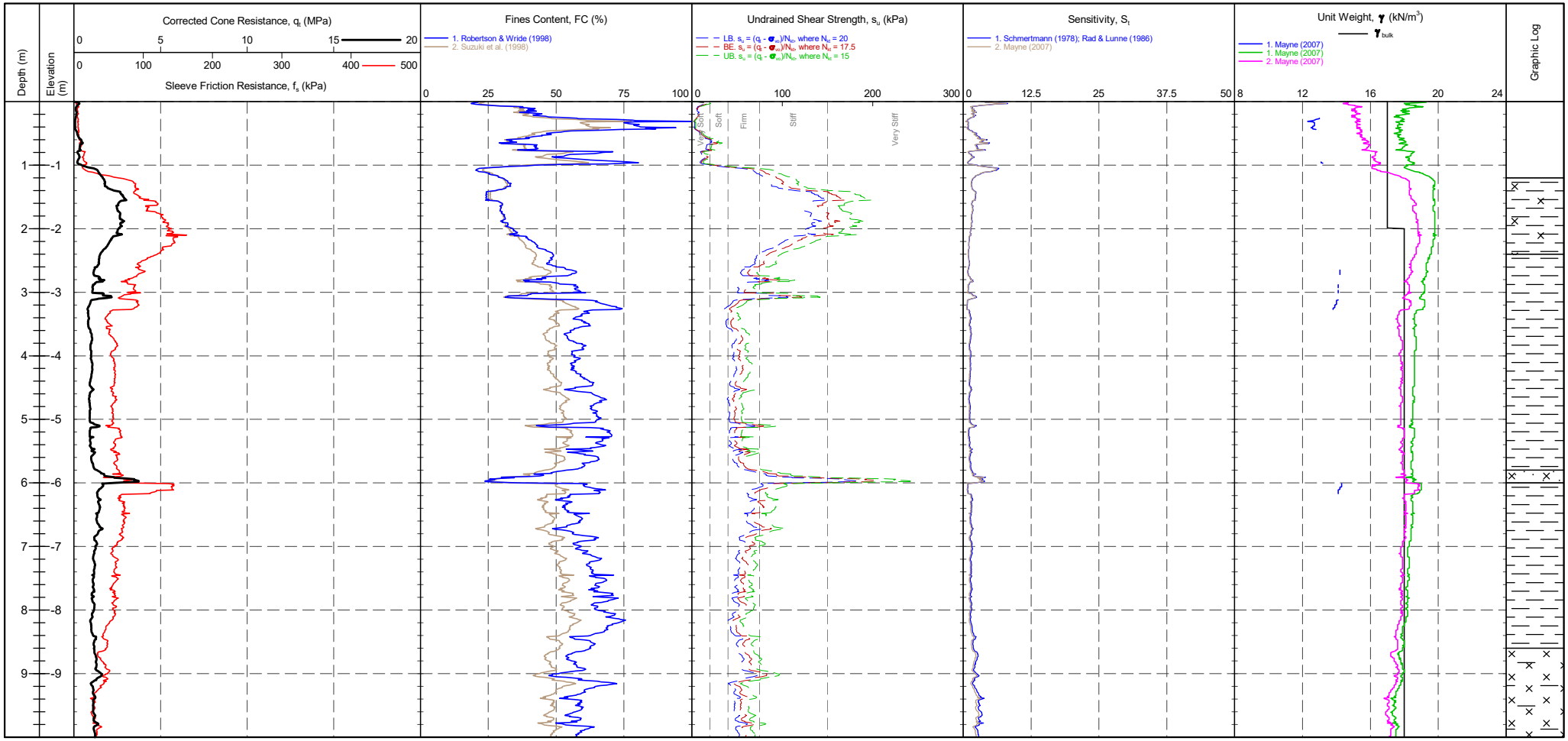
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	301 mV	-0.055 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	292 mV	284 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	Pore Pressure 2	229 mV	273 mV	0.012 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2468 mV	2511 mV	

Groundwater Level

Dissipation Test

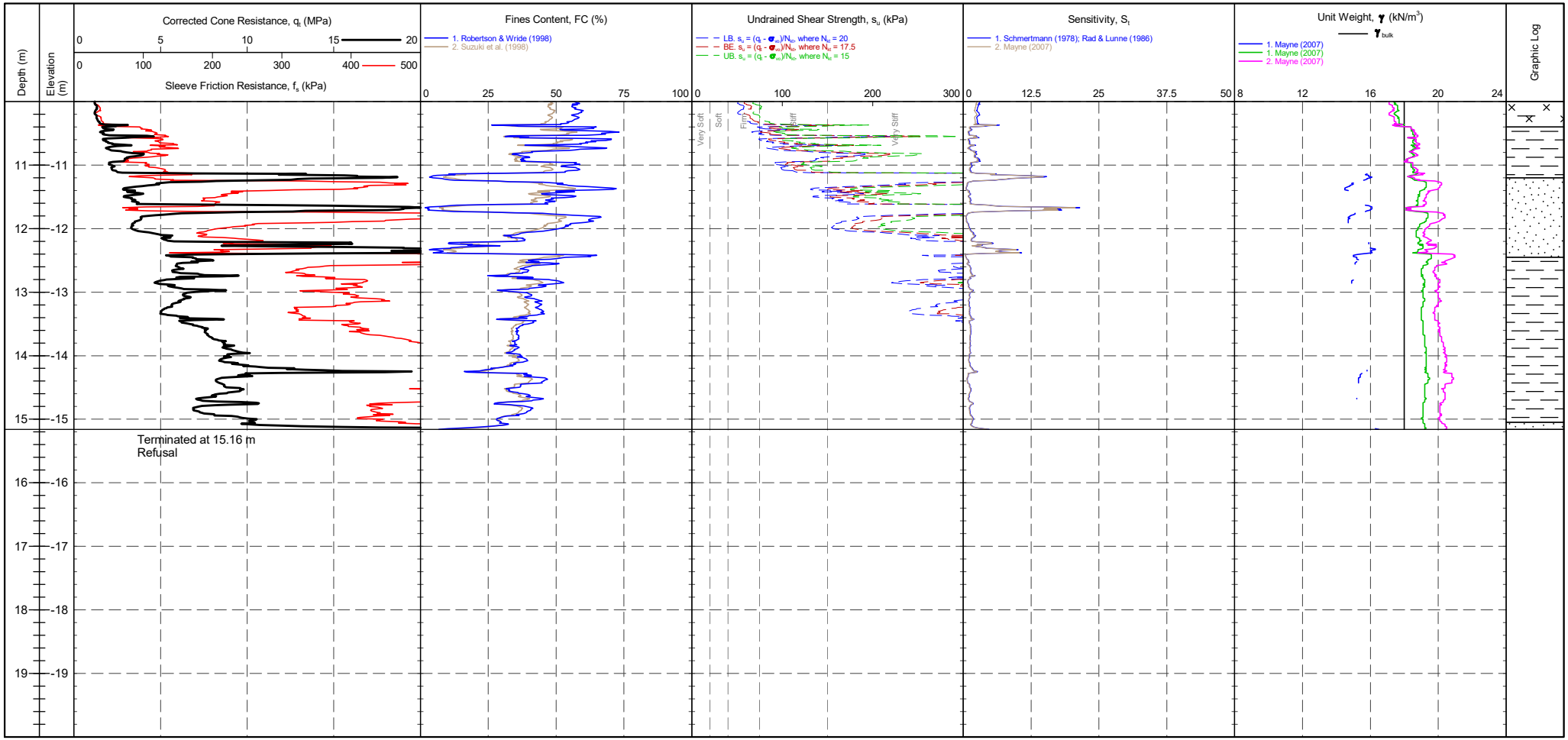
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	301 mV	-0.055 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	292 mV	284 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27	Pore Pressure 2	229 mV	273 mV	0.012 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2468 mV	2511 mV	

Groundwater Level

Dissipation Test

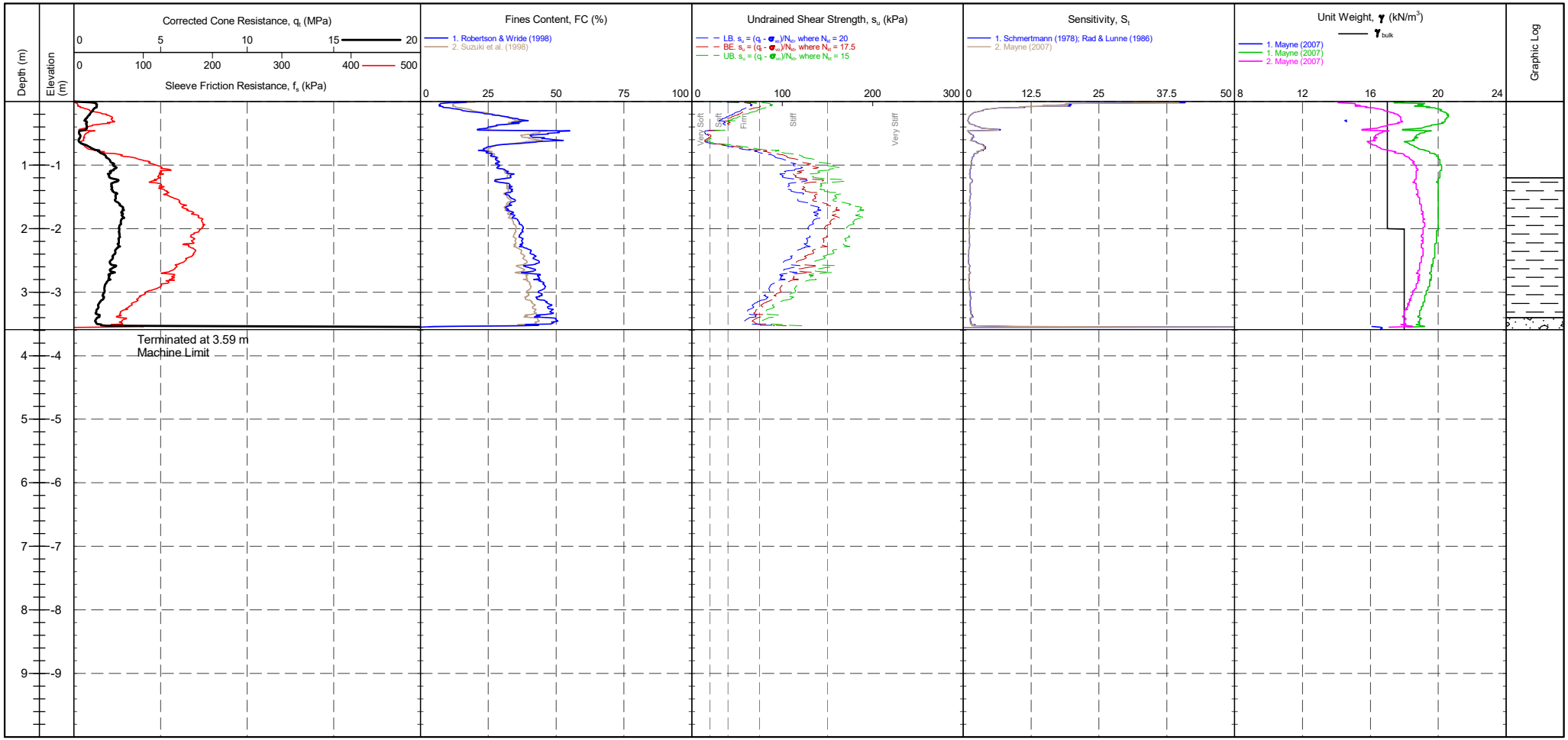
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 28

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	302 mV	308 mV	0.066 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	284 mV	290 mV	0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28	Pore Pressure 2	258 mV	257 mV	0 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2455 mV	

Groundwater Level

Dissipation Test

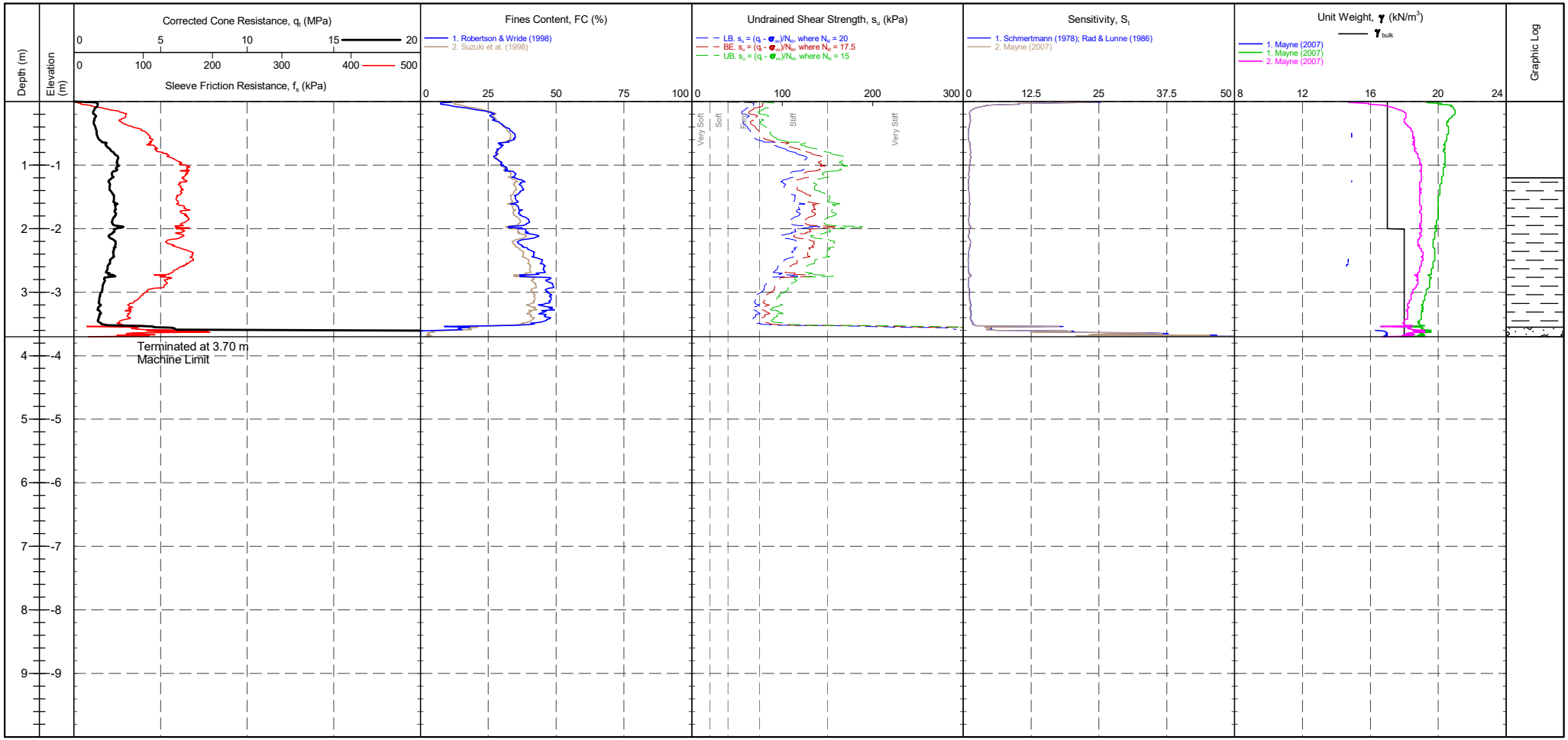
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 28A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	307 mV	310 mV	0.033 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	289 mV	287 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	256 mV	232 mV	-0.007 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28A	X-Y Inclinometer	2457 mV	2464 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

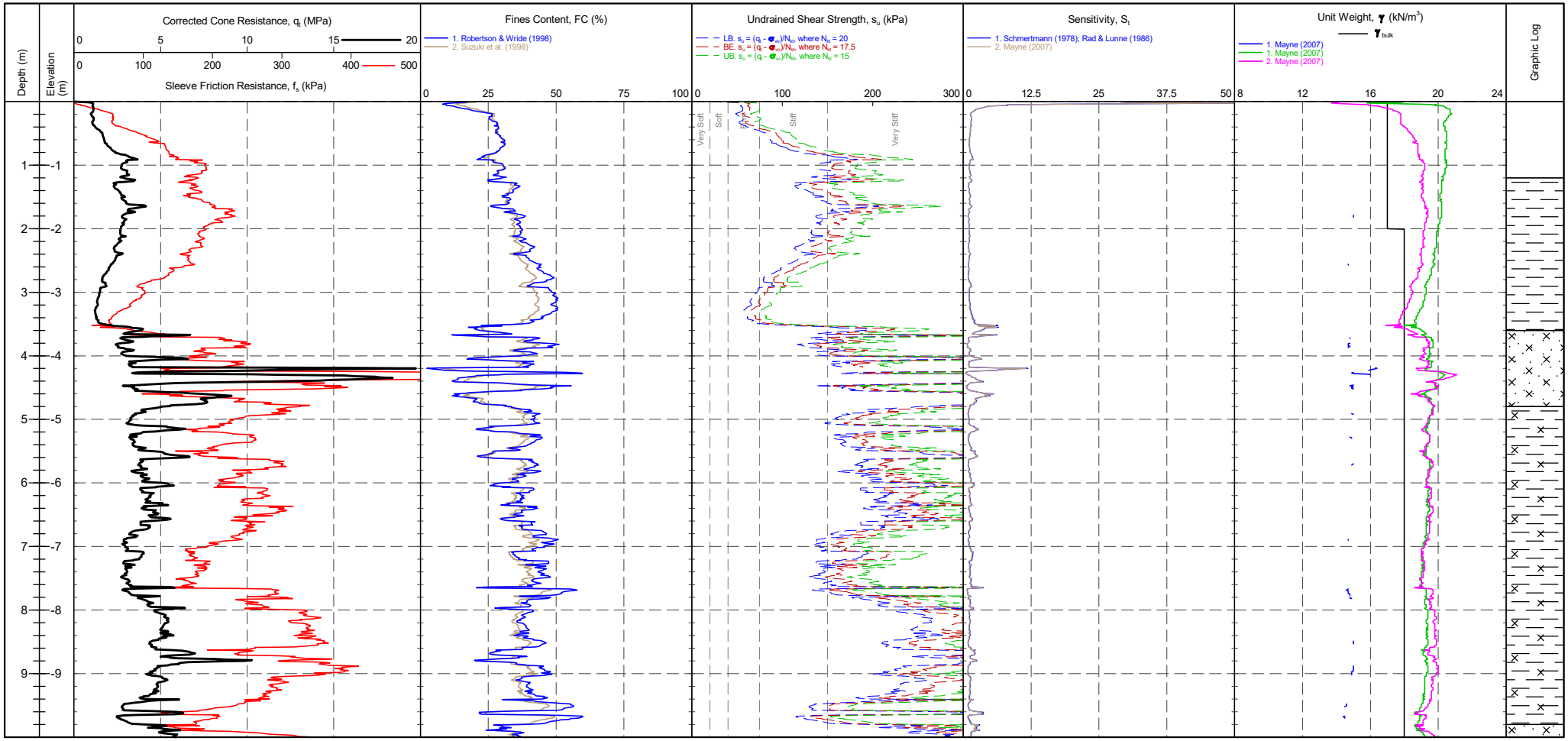
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV	

Groundwater Level

Dissipation Test

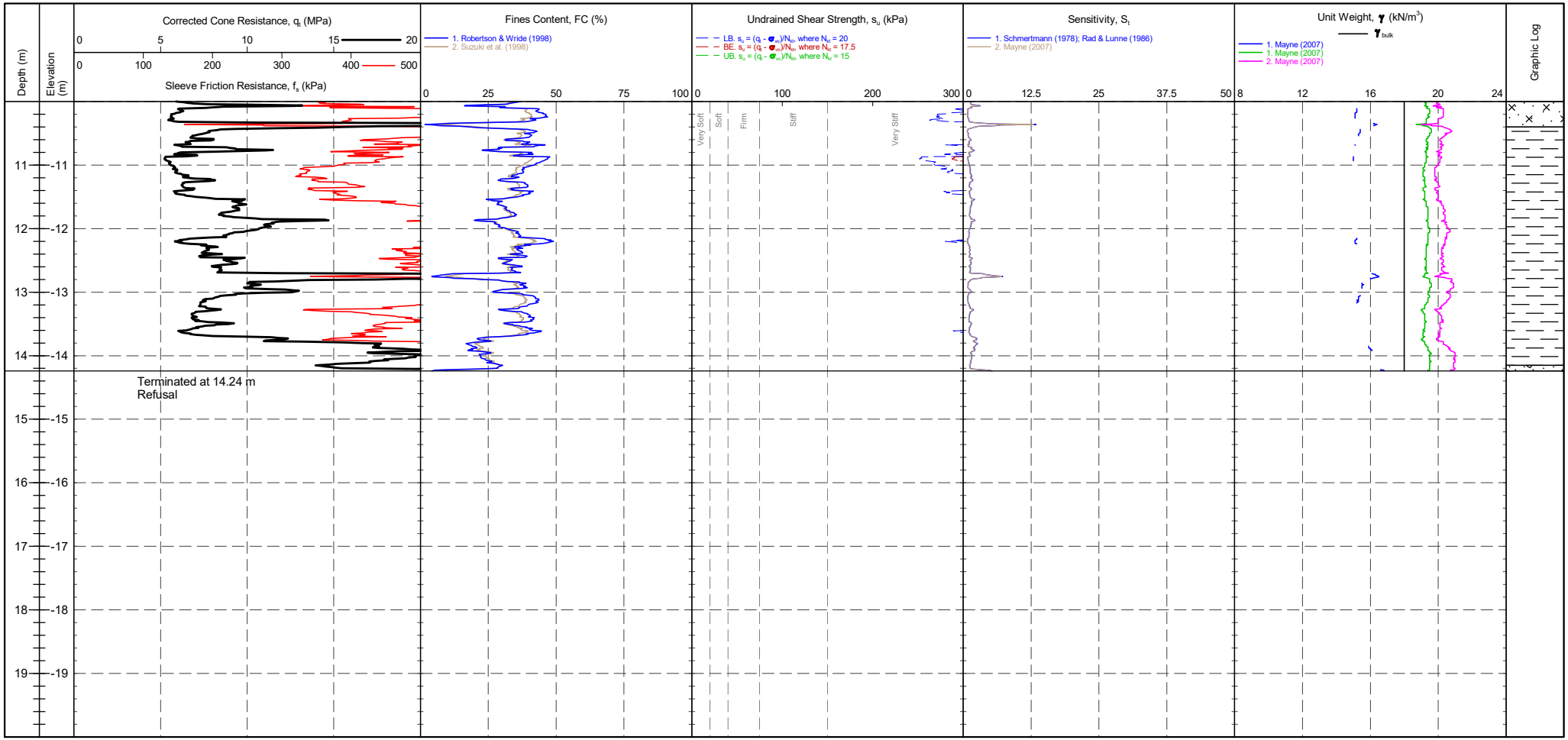
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	307 mV	308 mV / 0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	267 mV / -0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV / -0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV

Groundwater Level

Dissipation Test

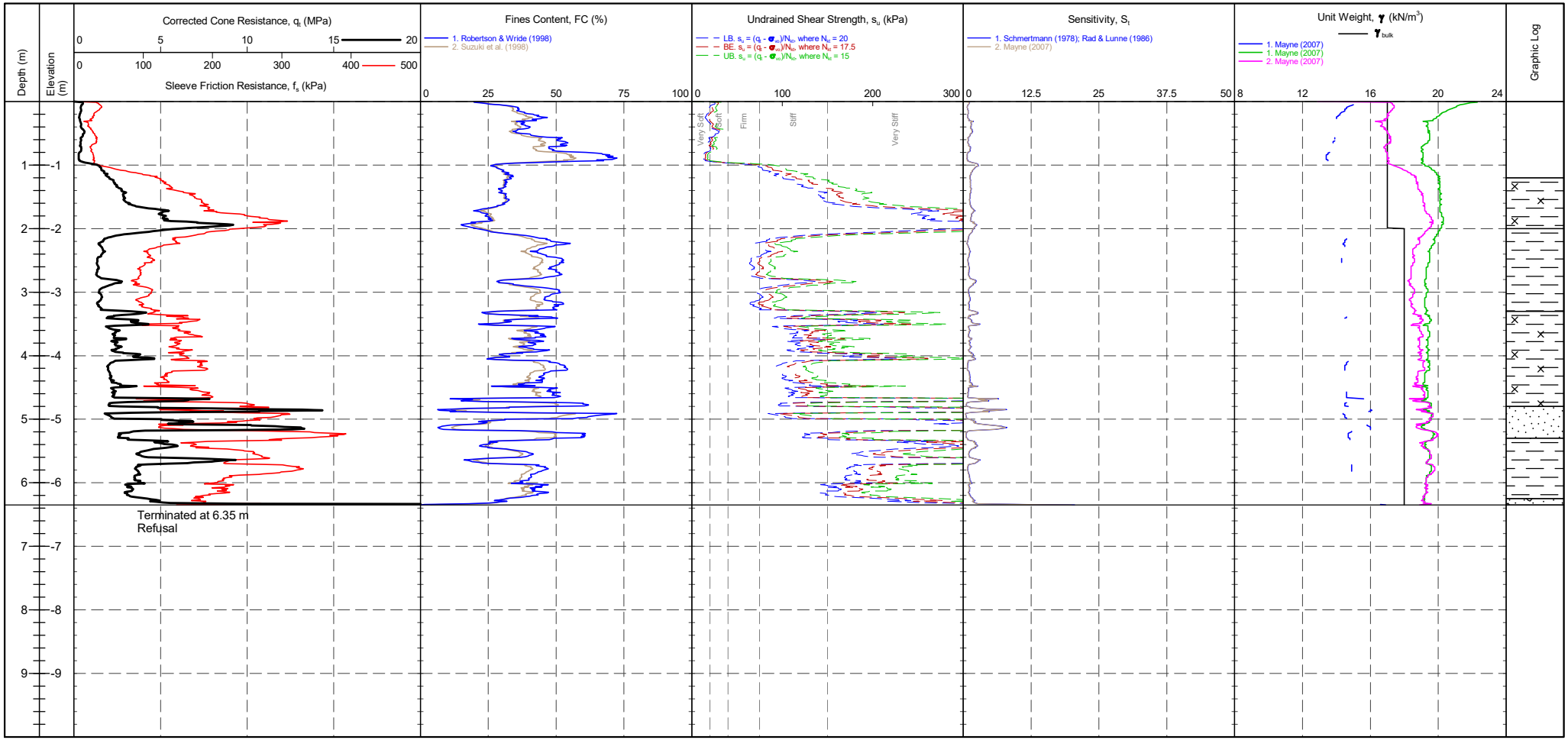
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 29

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV	-0.011 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	281 mV	280 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 29	Pore Pressure 2	223 mV	240 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2466 mV	2429 mV	

Groundwater Level

Dissipation Test

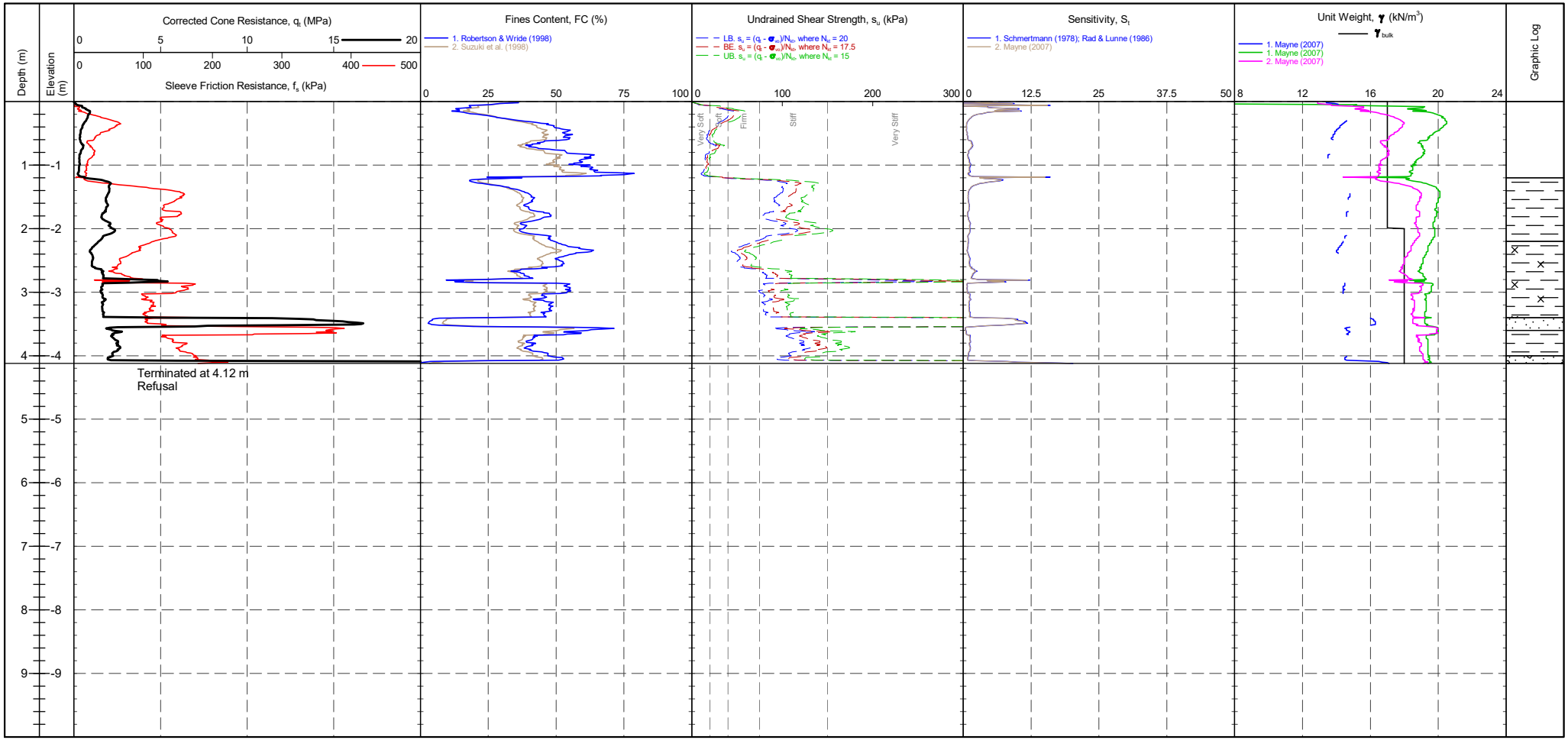
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 30

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	307 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	280 mV	283 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 30	Pore Pressure 2	231 mV	234 mV	0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2437 mV	2466 mV	

Groundwater Level

Dissipation Test

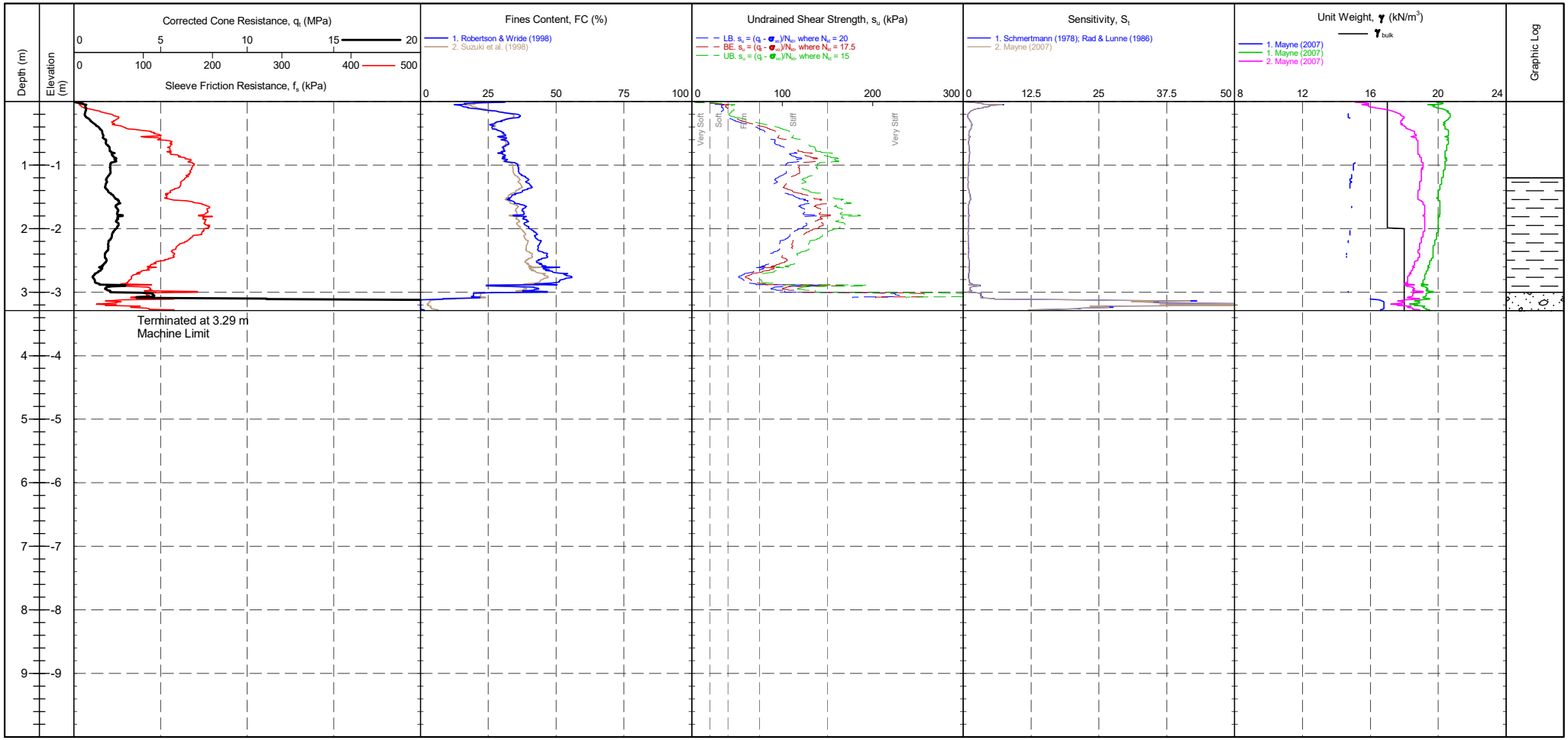
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 31

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	309 mV	0.044 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	282 mV	285 mV	0.002 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	228 mV	230 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31	X-Y Inclinometer	2432 mV	2438 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

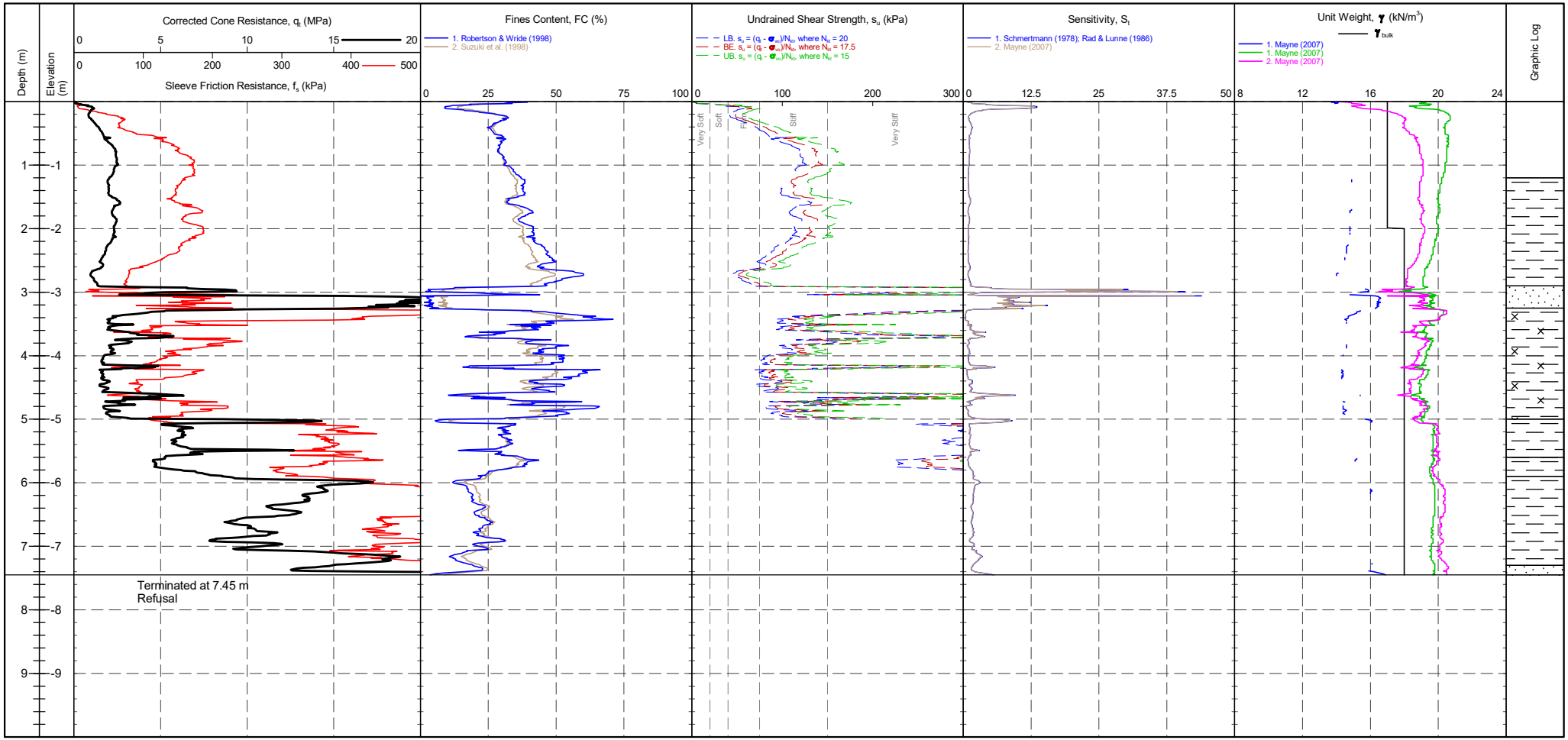
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 31A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	308 mV	305 mV / -0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	284 mV	281 mV / -0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31A	Pore Pressure 2	229 mV	211 mV / -0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2439 mV	2453 mV

Groundwater Level

Dissipation Test

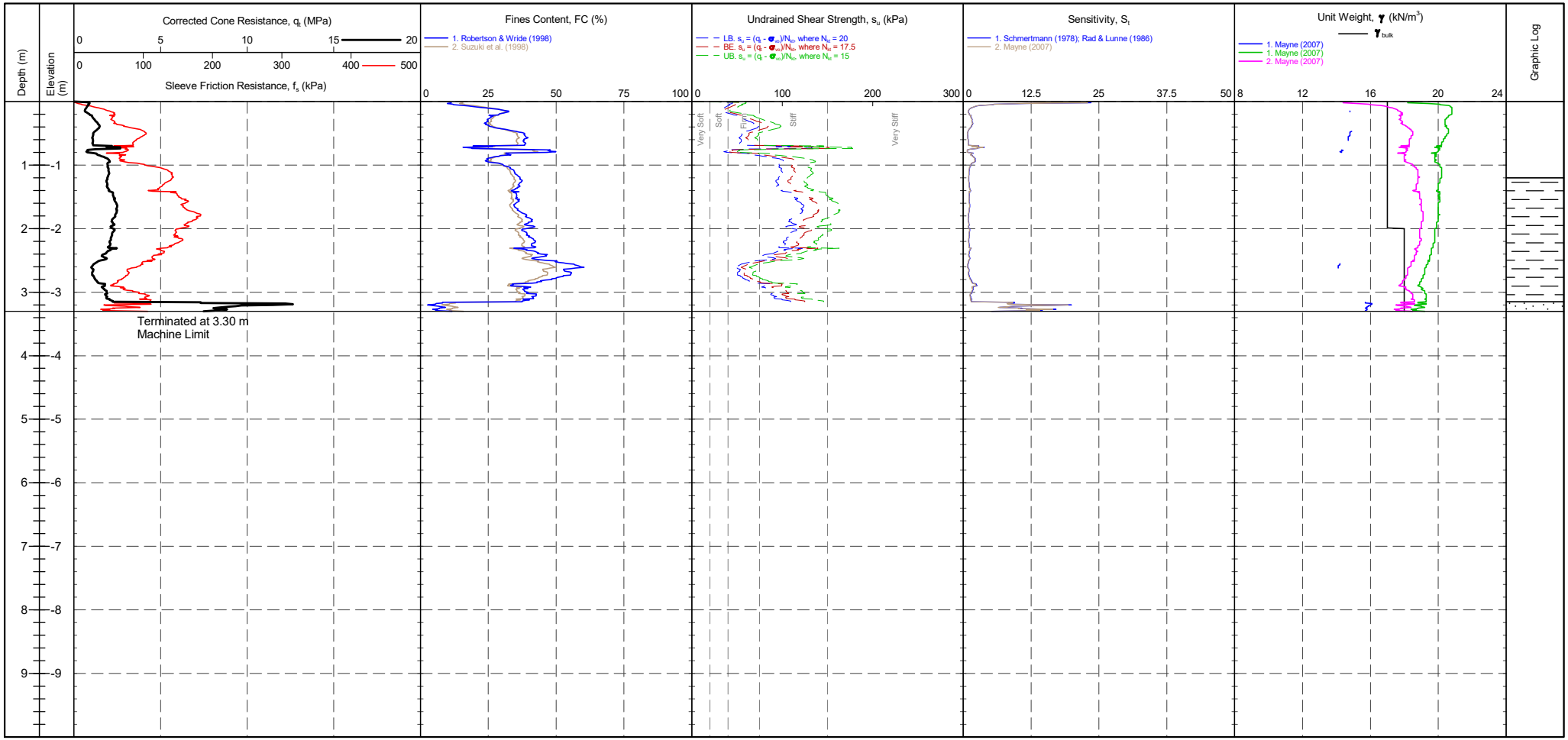
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 31B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	312 mV	0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	270 mV	273 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31B	Pore Pressure 2	237 mV	282 mV	0.013 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2466 mV	2413 mV	

Groundwater Level

Dissipation Test

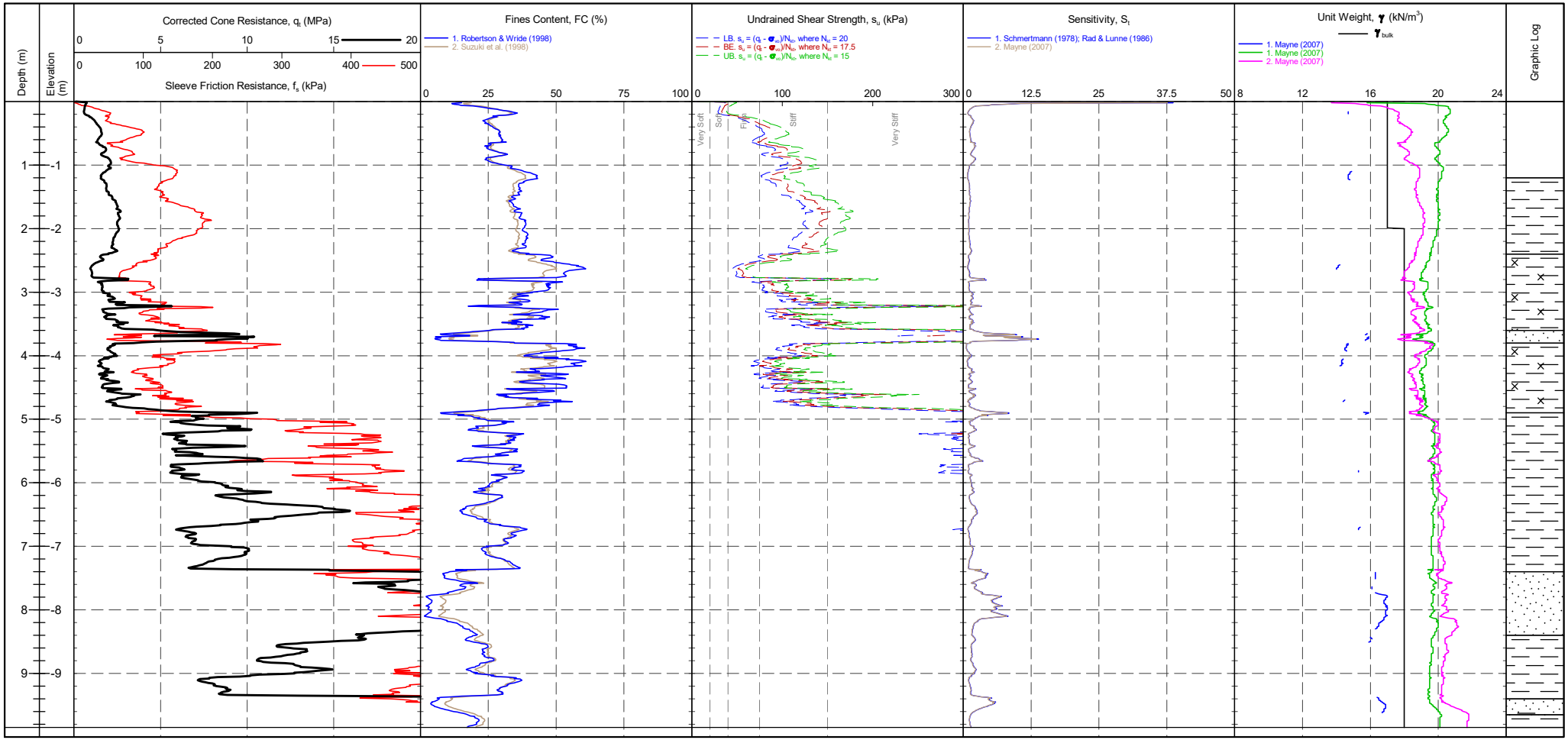
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	311 mV	308 mV / -0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	273 mV	264 mV / -0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	Pore Pressure 2	266 mV	99 mV / -0.047 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2405 mV	2420 mV

Groundwater Level

Dissipation Test

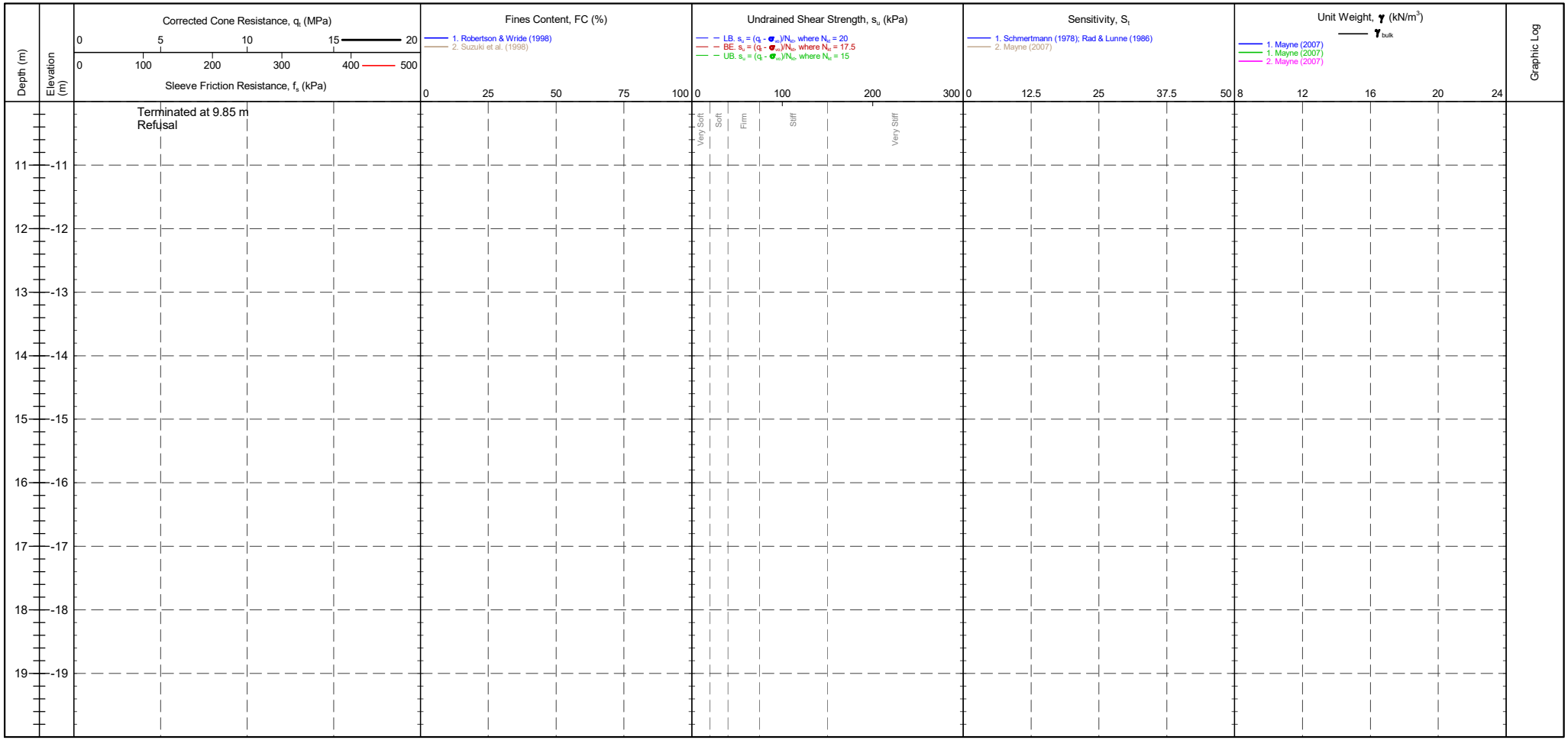
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	311 mV	308 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	273 mV	264 mV	-0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	Pore Pressure 2	266 mV	99 mV	-0.047 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2405 mV	2420 mV	

Groundwater Level

Dissipation Test

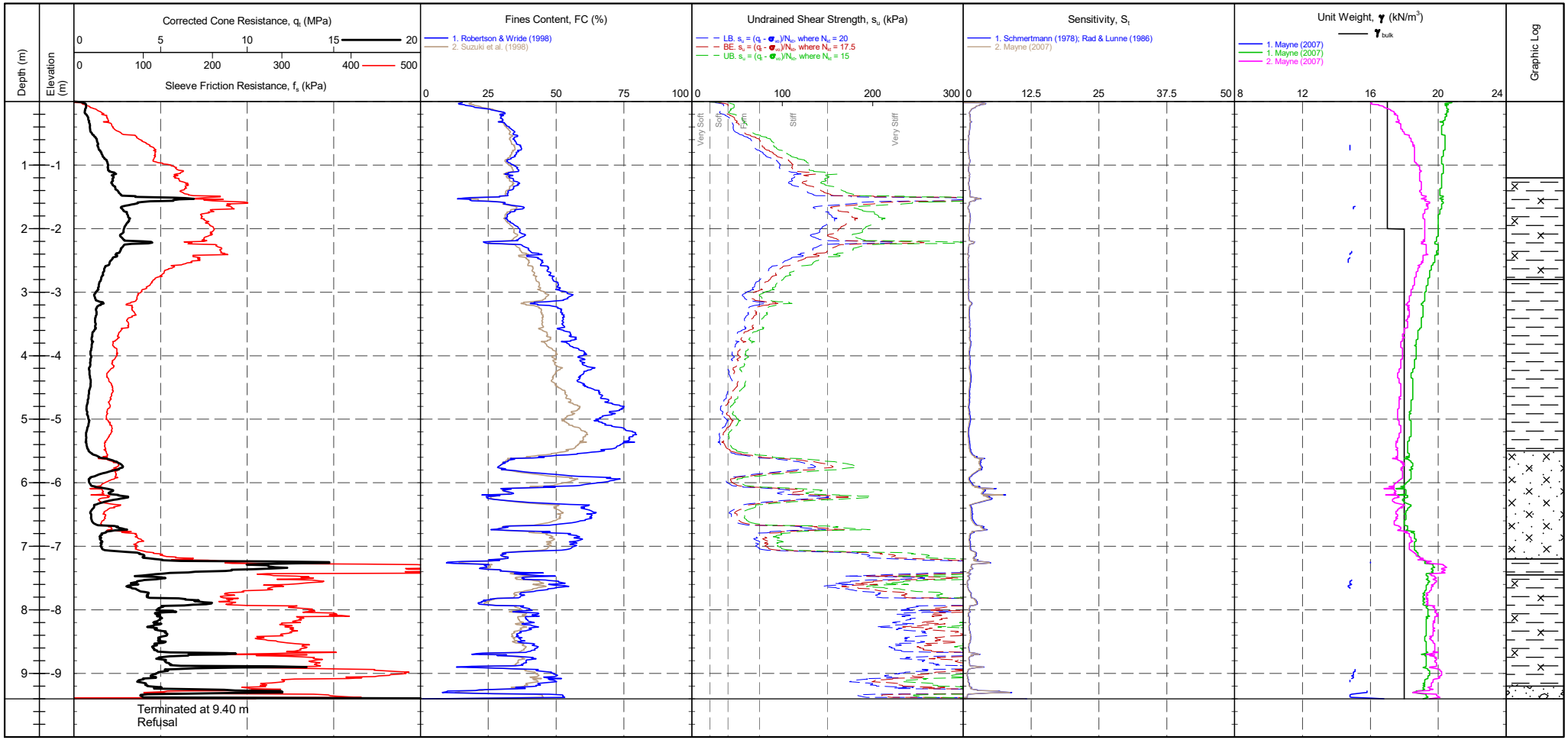
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 32

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	310 mV	0.066 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	267 mV	275 mV	0.006 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32	Pore Pressure 2	234 mV	300 mV	0.019 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2439 mV	2437 mV	

Groundwater Level

Dissipation Test

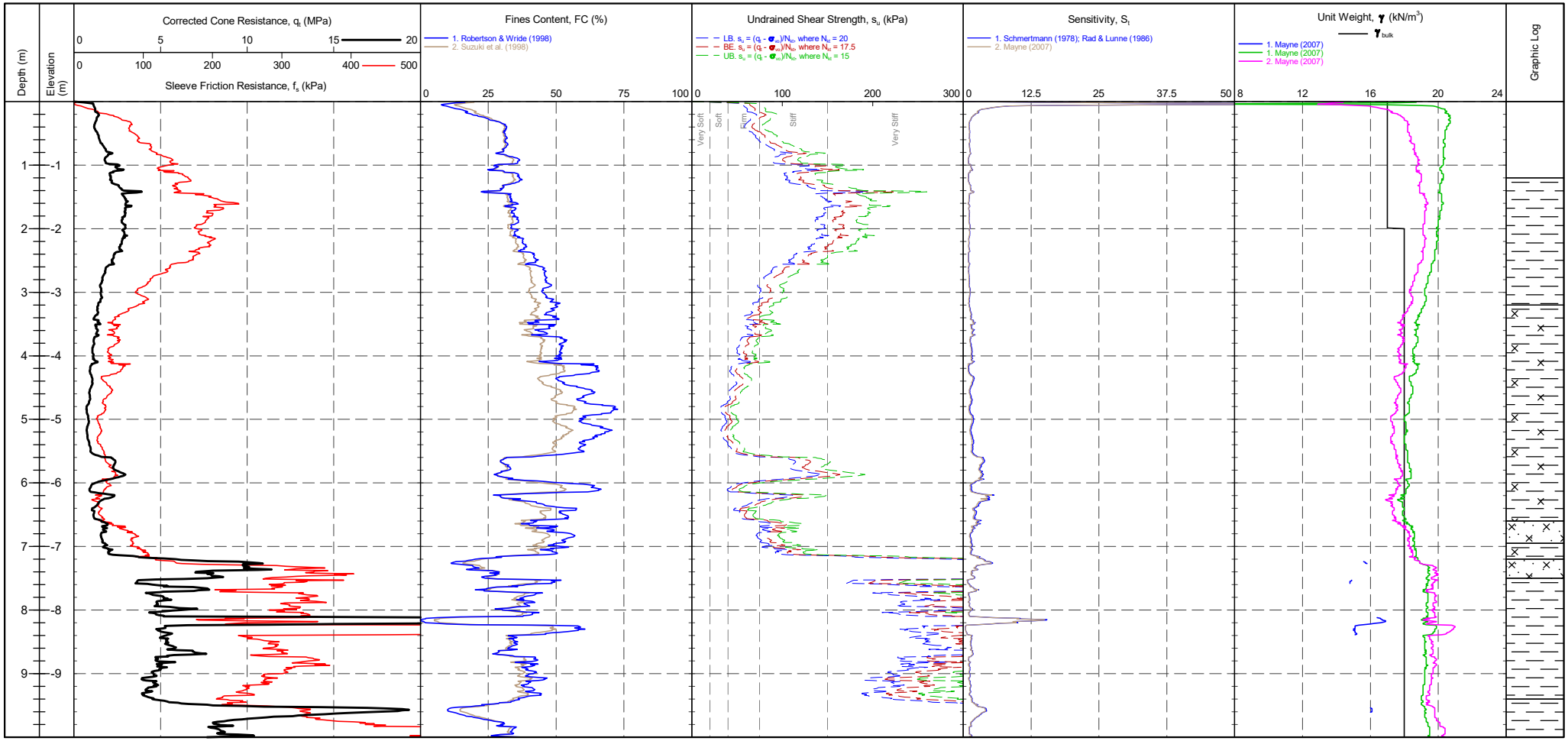
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	309 mV	307 mV	-0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	268 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	170 mV	234 mV	0.018 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B	X-Y Inclinometer	2408 mV	2483 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild				

Groundwater Level

Dissipation Test

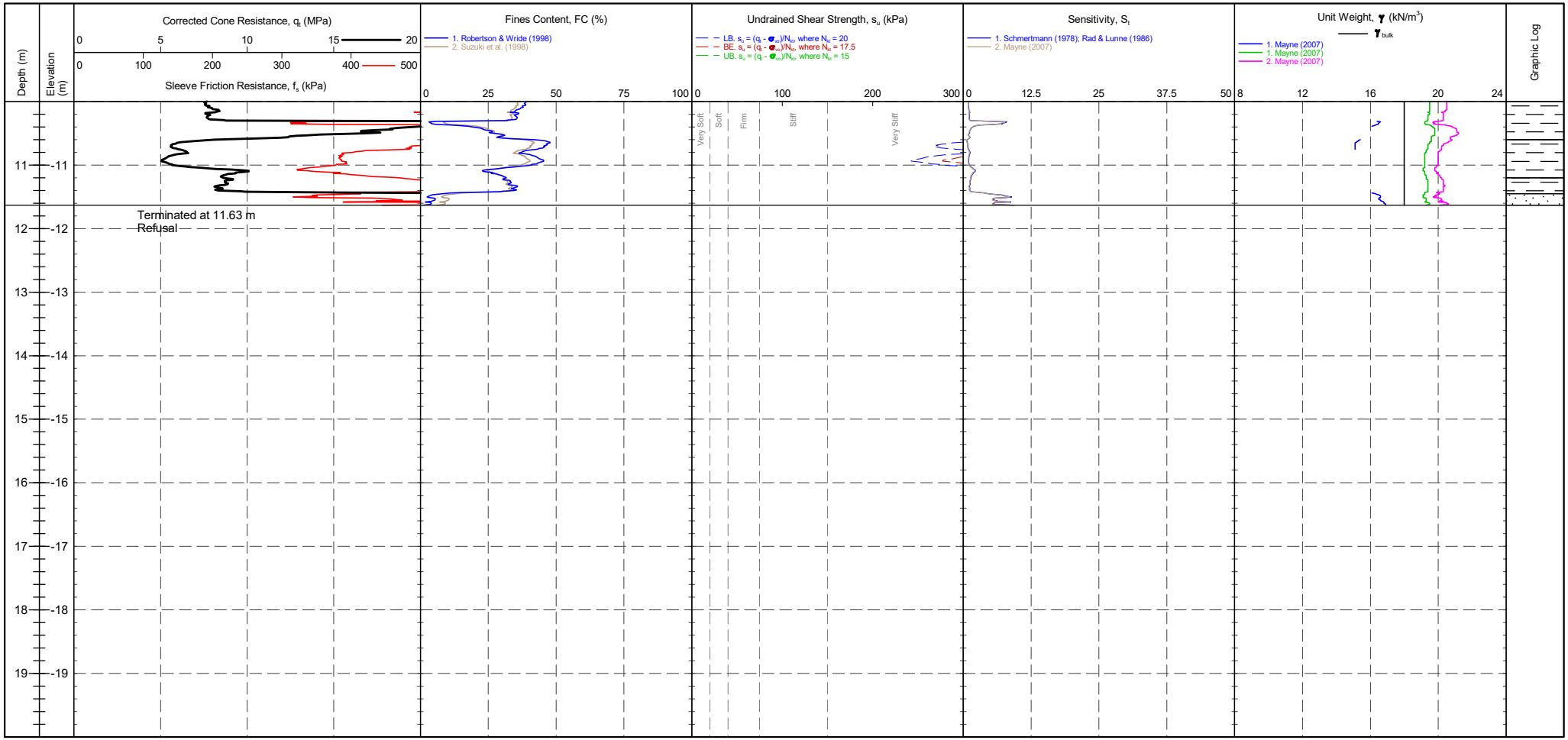
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	309 mV	307 mV	-0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	266 mV	268 mV	0.001 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	170 mV	234 mV	0.018 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B	X-Y Inclinometer	2408 mV	2483 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild				

Groundwater Level

Dissipation Test

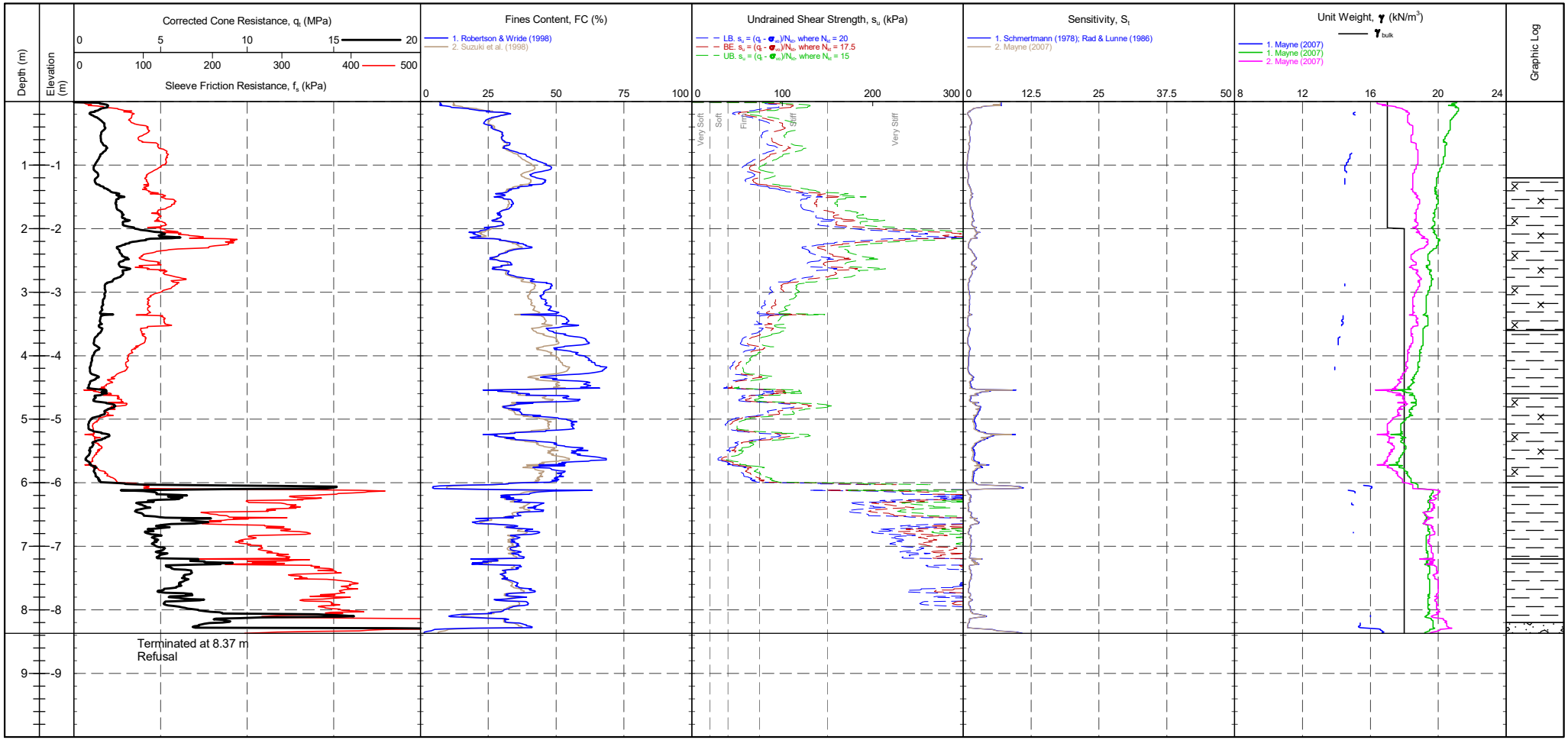
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 33

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	305 mV	305 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Sleeve	282 mV	268 mV	-0.01 kPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Pore Pressure 2	225 mV	259 mV	0.01 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 33	X-Y Inclinometer	2530 mV	2436 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

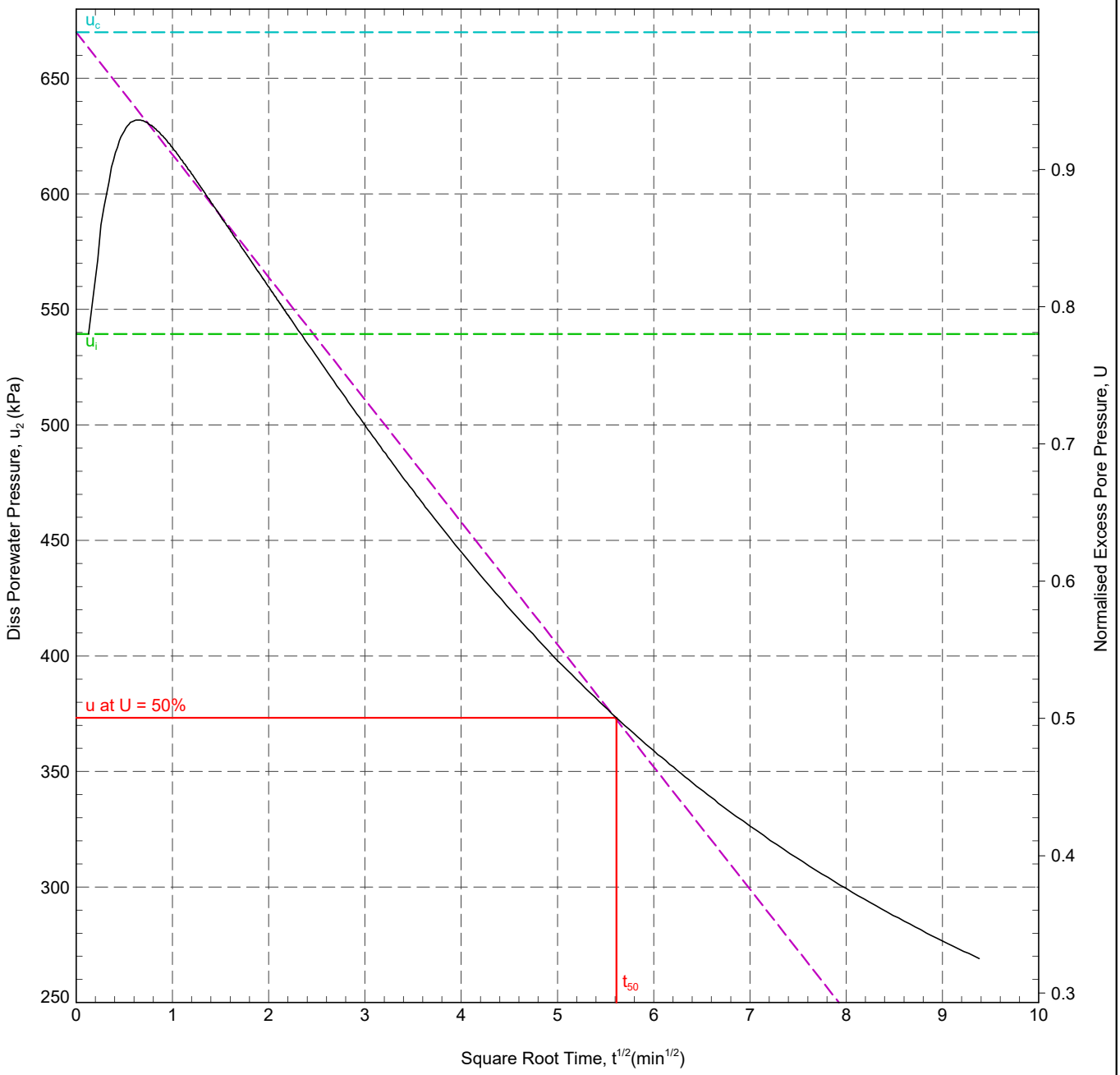
Dissipation Test

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 14 - 9.74 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 26/08/67
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	75.9 kPa	Rigidity Index, I_r:	9.9
Initial Pore Pressure, u_i:	539.4 kPa	Horizontal Coefficient of Consolidation, c_h:	$4.17x10^0$ m^2/yr
Final Pore Pressure:	269.0 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	670 kPa	Vertical Coefficient of Consolidation, c_v:	$1.39x10^0$ m^2/yr
Degree of Dissipation:	50%		
Dissipation Pressure:	373.2 kPa		
Time for 50% Dissipation, t_{50}:	31.50 min		

RIG	: CPT 007	ANALYSED BY	: LD	DATE:	09/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	09/08/2017
CONE ID	: S15-CFIP.1488	APPROVED BY	: DW	DATE:	09/08/2017
OPERATOR	: RS				

REMARK
Test OK.

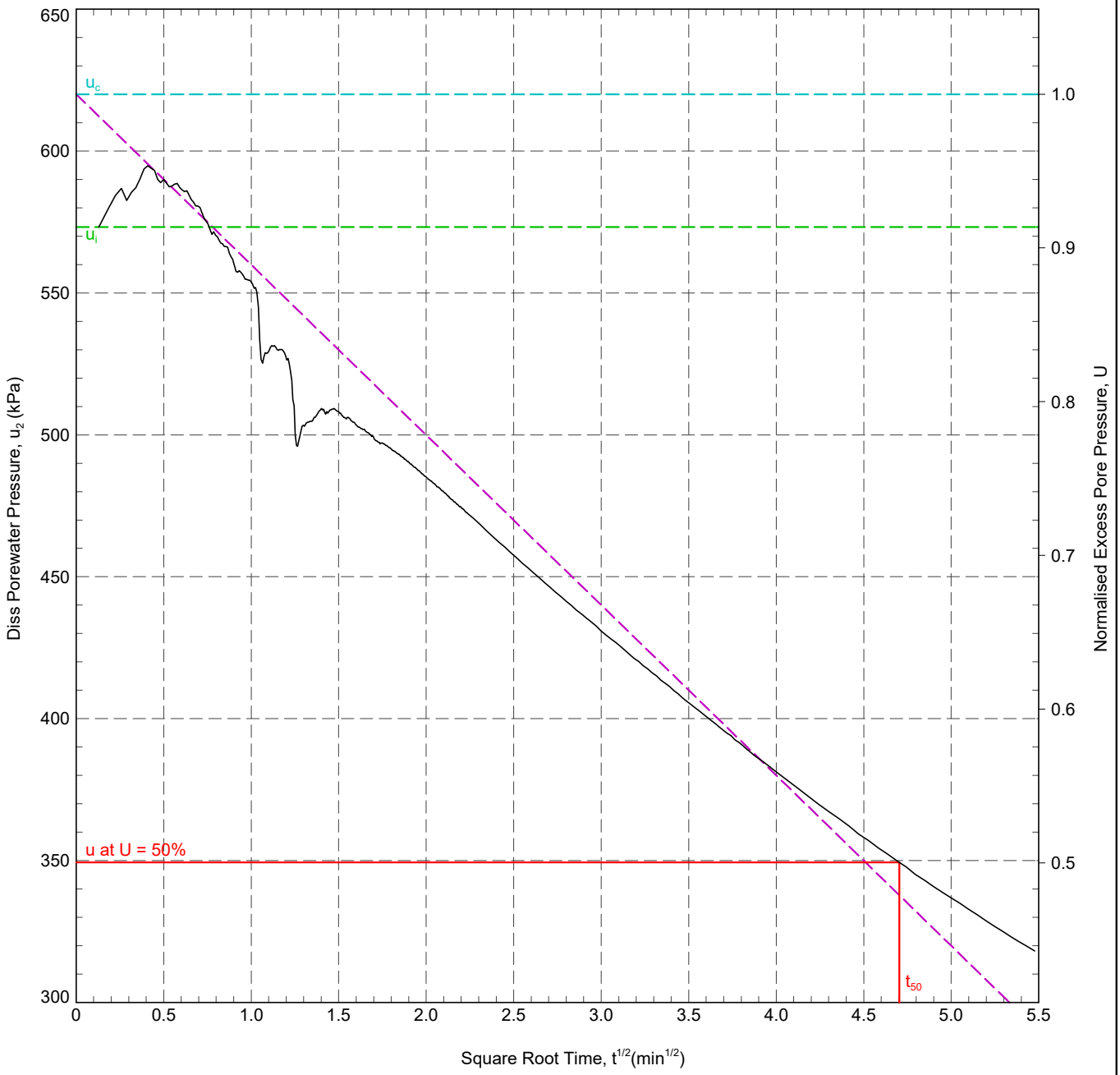
INSITUSI 1.01.0.LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 10/Aug/2017 11:11 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 19 - 10.00 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 04/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	78.5 kPa	Rigidity Index, I_r:	9.6
Initial Pore Pressure, u_i:	573.2 kPa	Horizontal Coefficient of Consolidation, c_h:	5.84x10^0 m^2/yr
Final Pore Pressure:	318.1 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	620 kPa	Vertical Coefficient of Consolidation, c_v:	1.95x10^0 m^2/yr
Degree of Dissipation:	50%		
Dissipation Pressure:	349.4 kPa		
Time for 50% Dissipation, t_{50}:	22.13 min		

RIG	: CPT 007	ANALYSED BY	: LD	DATE:	04/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	04/08/2017
CONE ID	: S15-CFIP.1488	APPROVED BY	: DW	DATE:	04/08/2017
OPERATOR	: RS				

REMARK
Test OK.

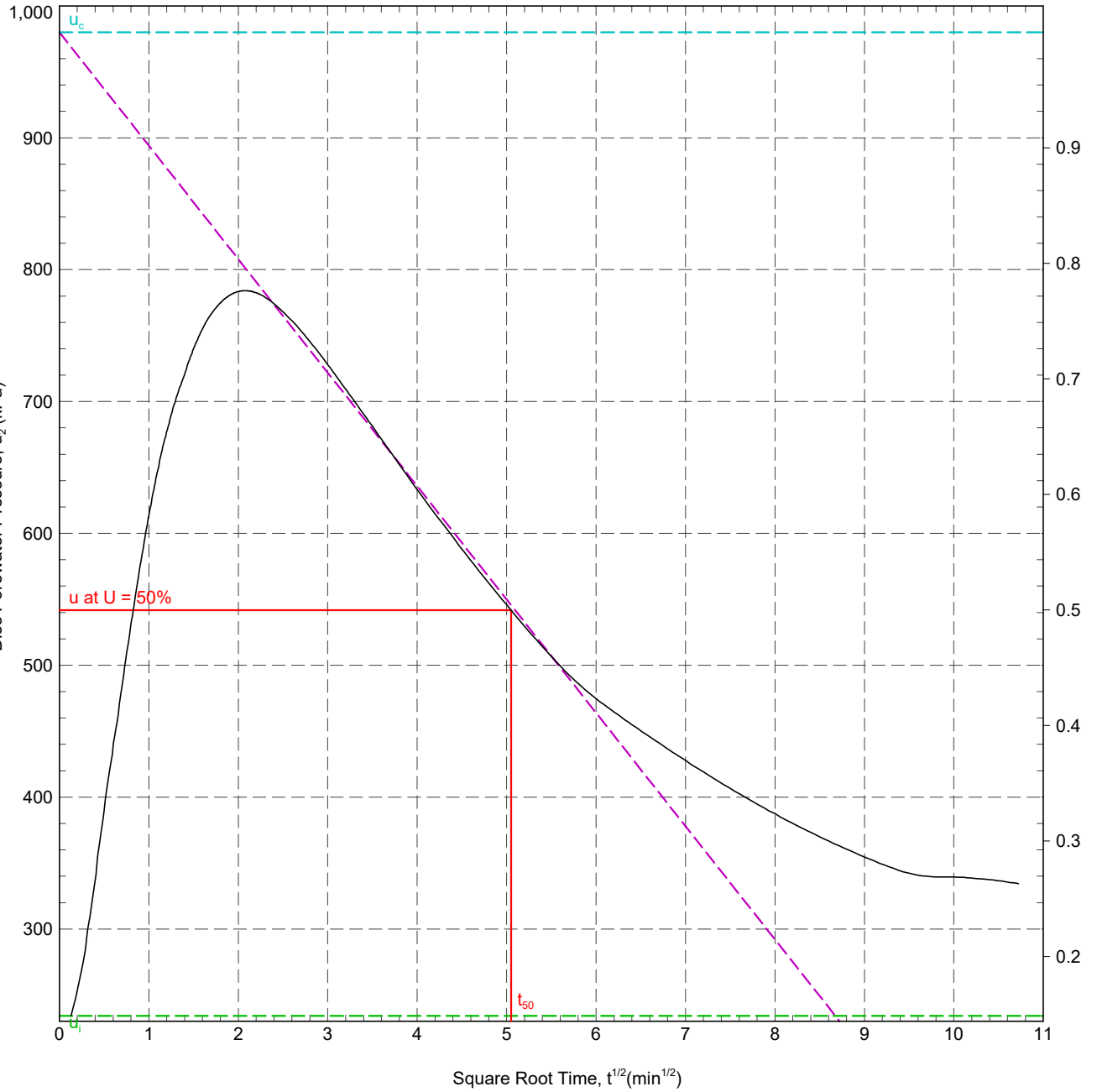
INSITUSI 1.01.0.LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 10/Aug/2017 11:11 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 28B - 12.60 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 07/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	104.0 kPa	Rigidity Index, I_r:	100
Initial Pore Pressure, u_i:	234.1 kPa	Ratio c_h/c_v:	3
Final Pore Pressure:	334.3 kPa		
Back Extrapolated Pore Pressure, u_c:	980 kPa		
Degree of Dissipation:	50%		
Dissipation Pressure:	541.7 kPa		
Time for 50% Dissipation, t_{50}:	25.50 min		

RIG	: CPT 007	ANALYSED BY	: LD	DATE:	09/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	09/08/2017
CONE ID	: S15-CFIP.1488	APPROVED BY	: DW	DATE:	09/08/2017
OPERATOR	: RS				

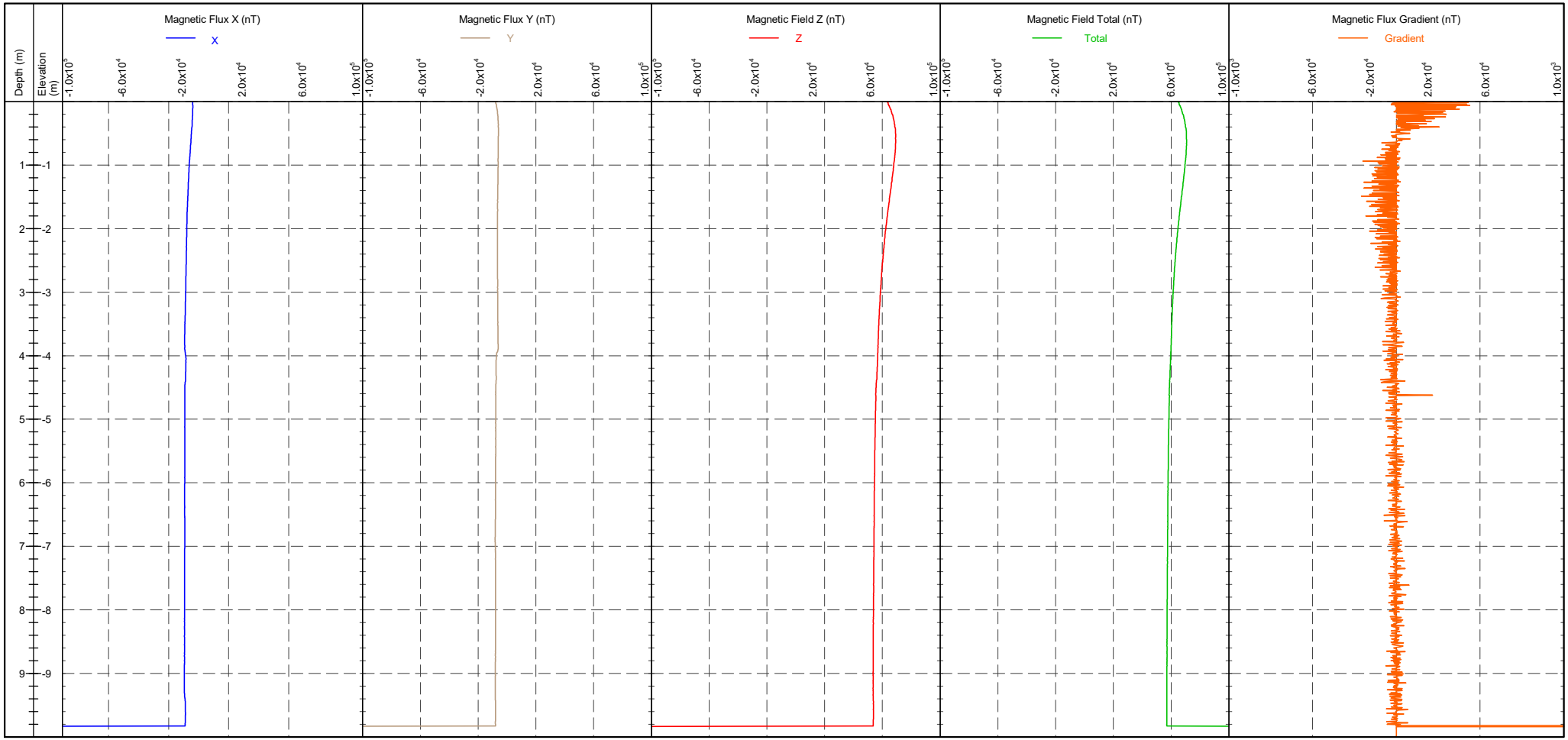
REMARK
Test OK.

INSITUSI 1.01.0 LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 10/Aug/2017 11:11 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 04

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Target depth		METHOD : ISO 22476-1:2012

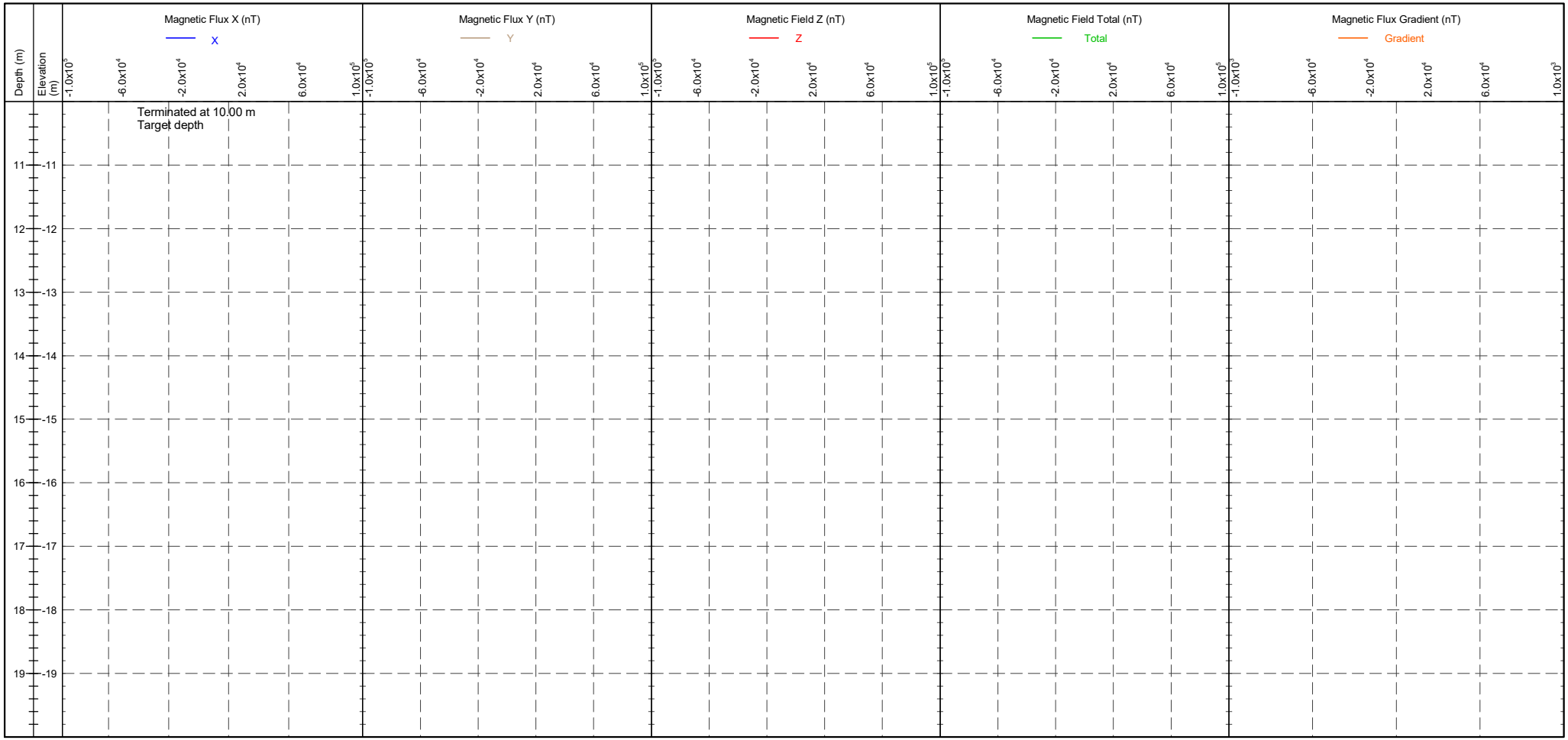


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 04	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2572 mV	2563 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 04

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Target depth		METHOD : ISO 22476-1:2012

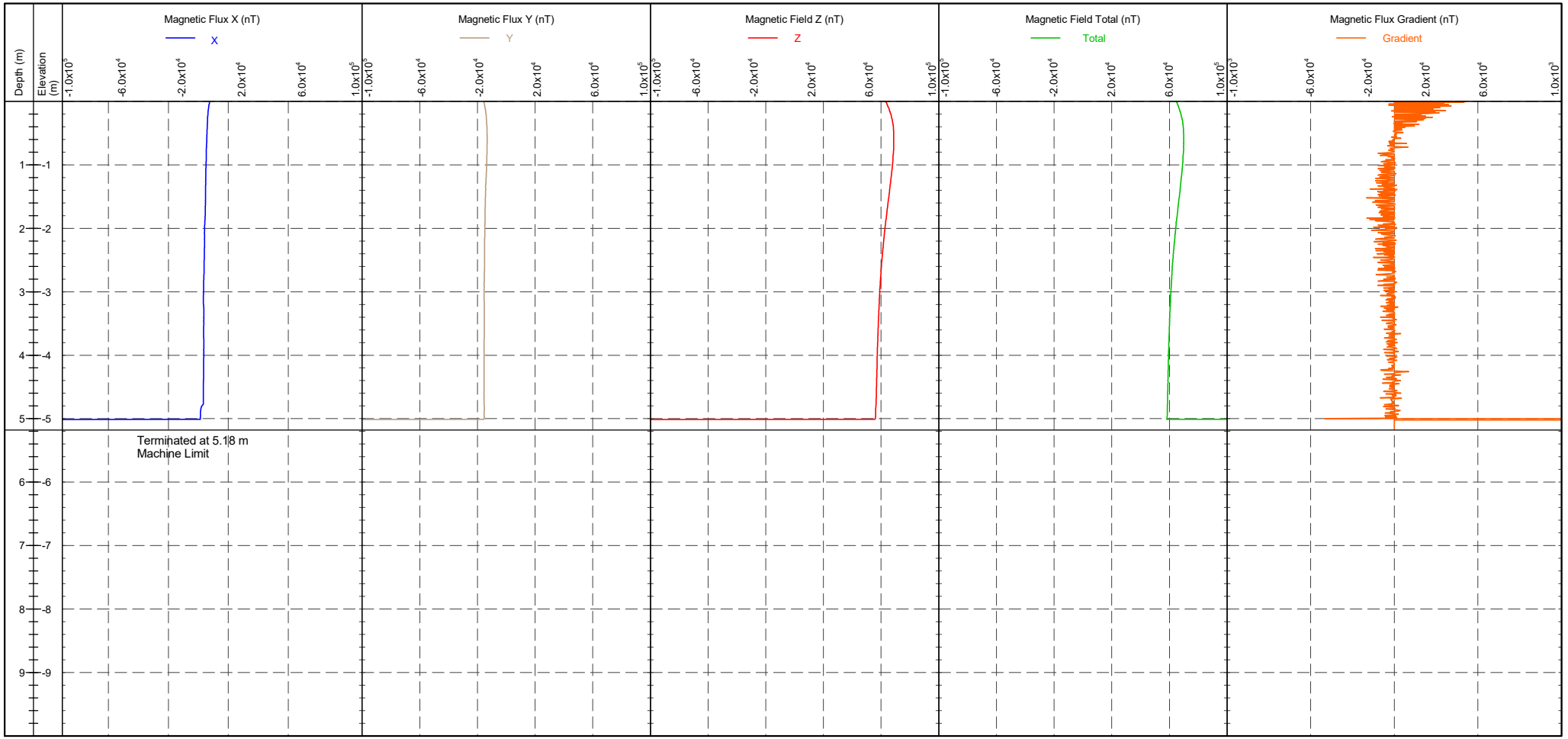


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 04	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2572 mV	2563 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 05

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012

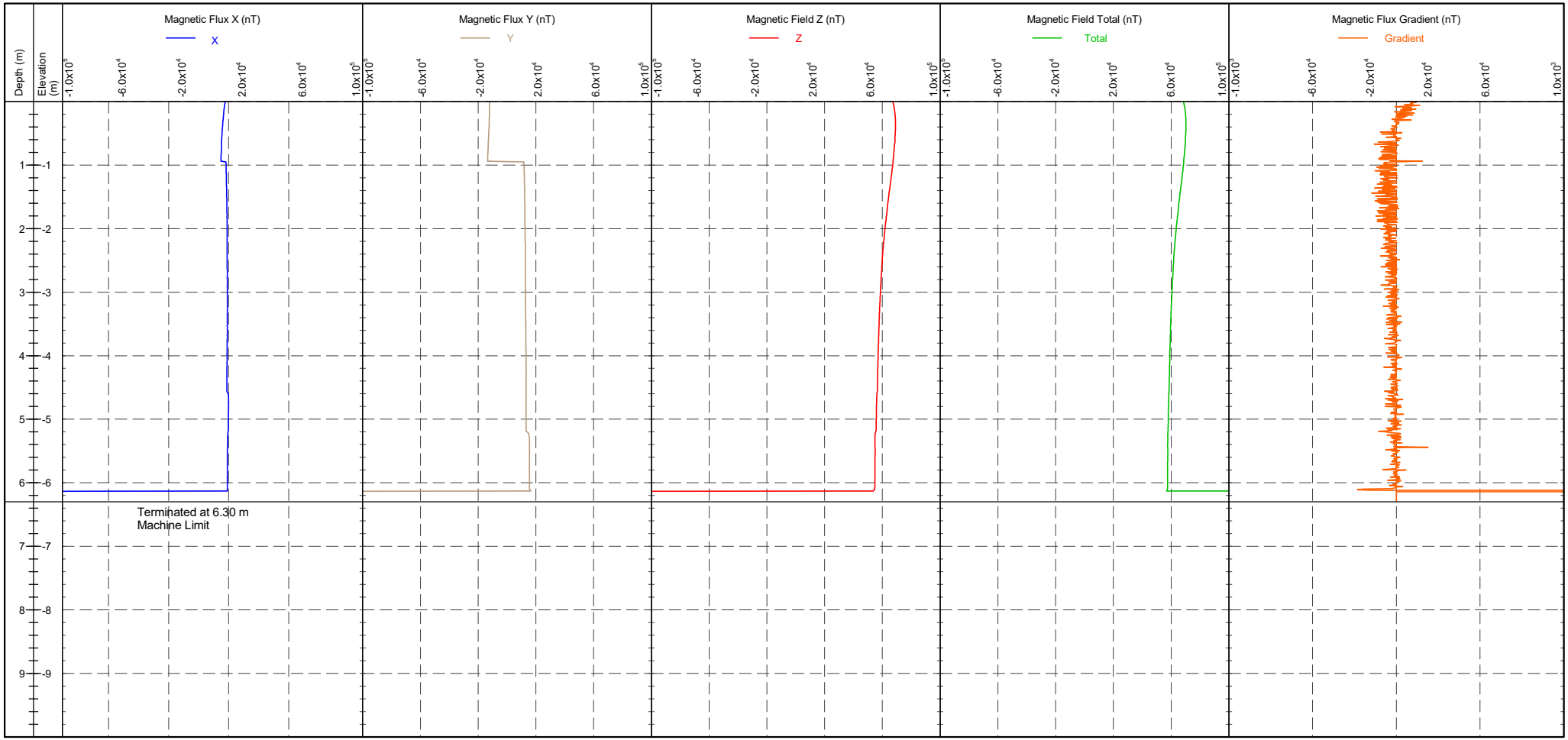


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 05	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2530 mV	2553 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 06

CLIENT : Dunelm Geotechnical	EASTING :	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m	TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD	PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit	METHOD : ISO 22476-1:2012

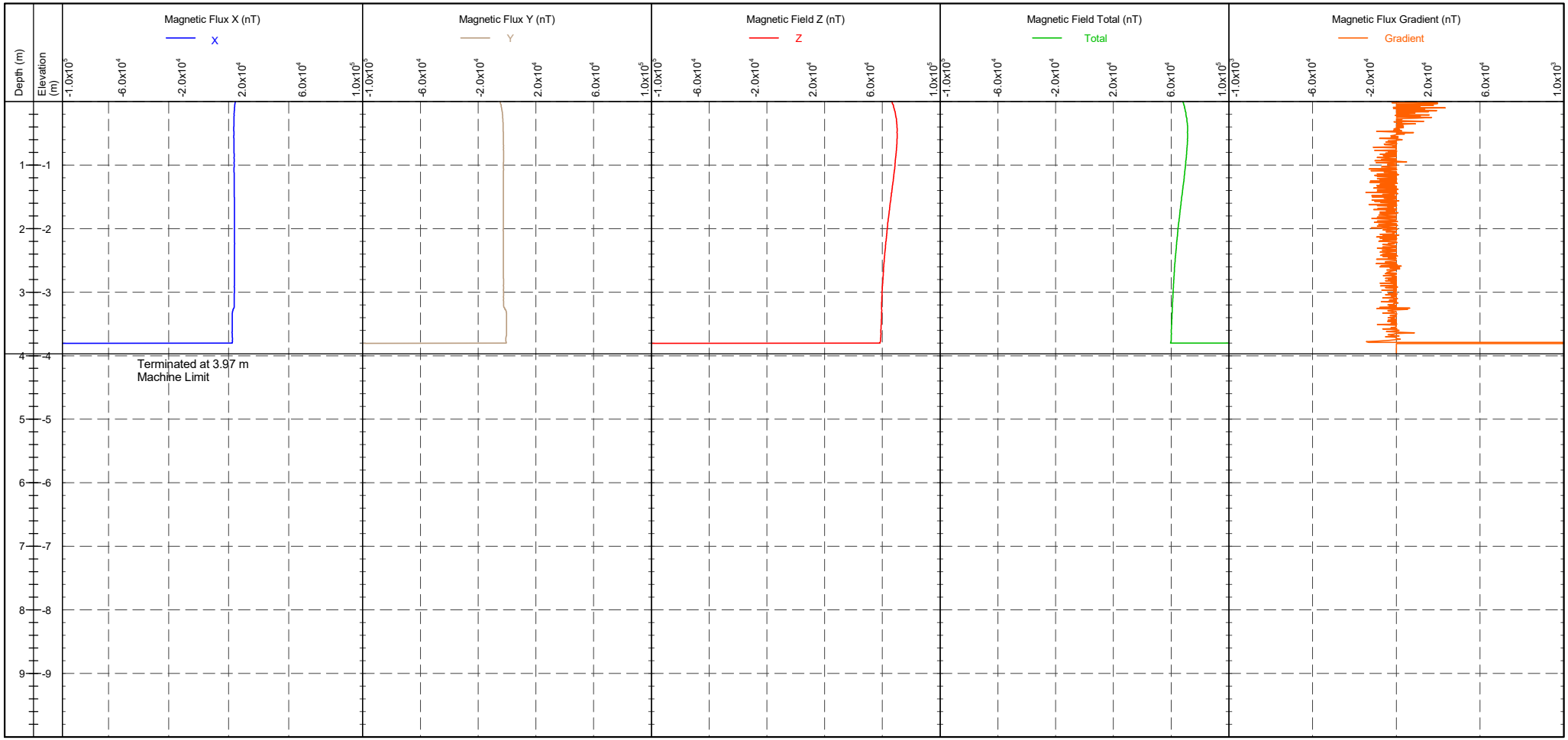


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 06	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2561 mV	2580 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 07

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



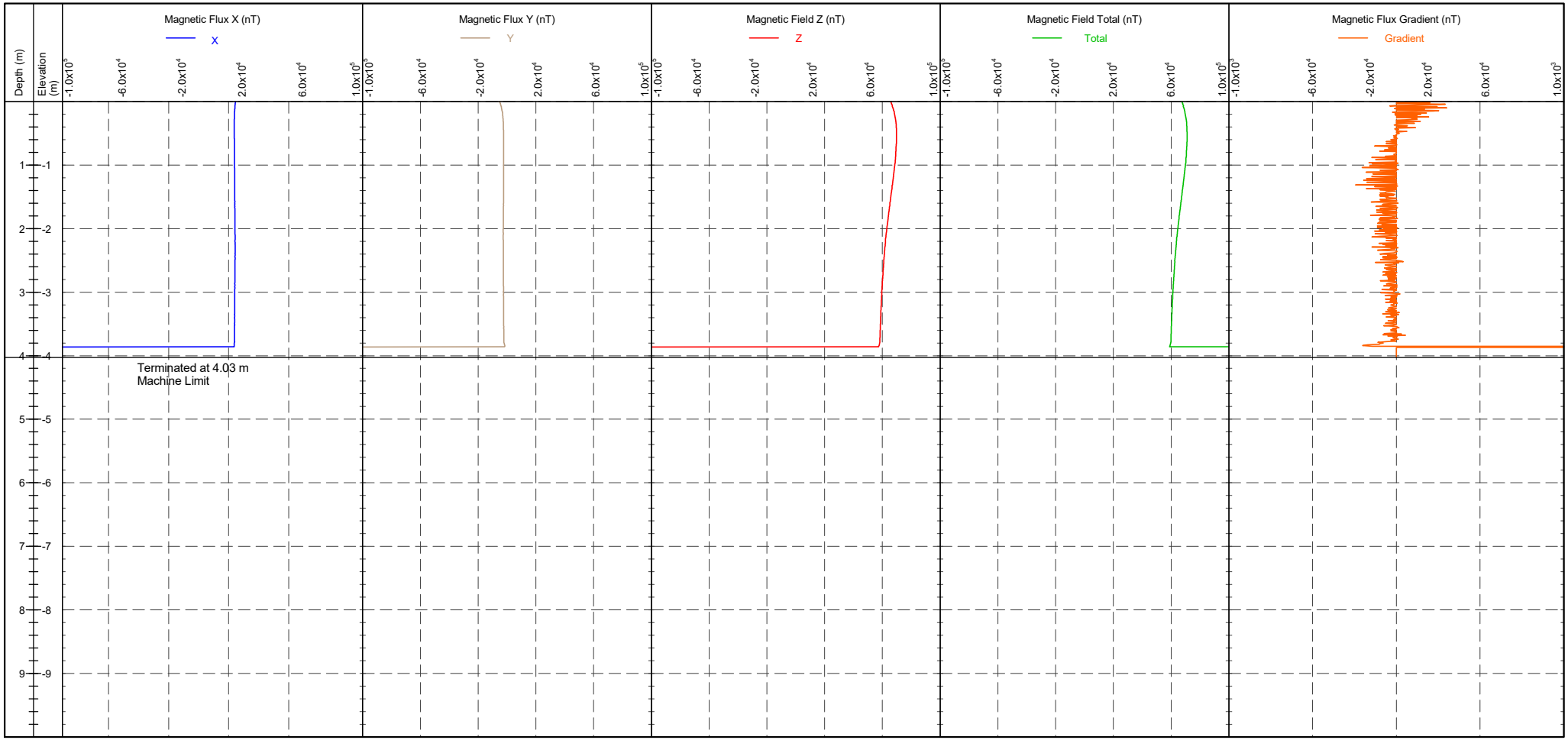
CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 07	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2560 mV	2600 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID

MAG 07A

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012

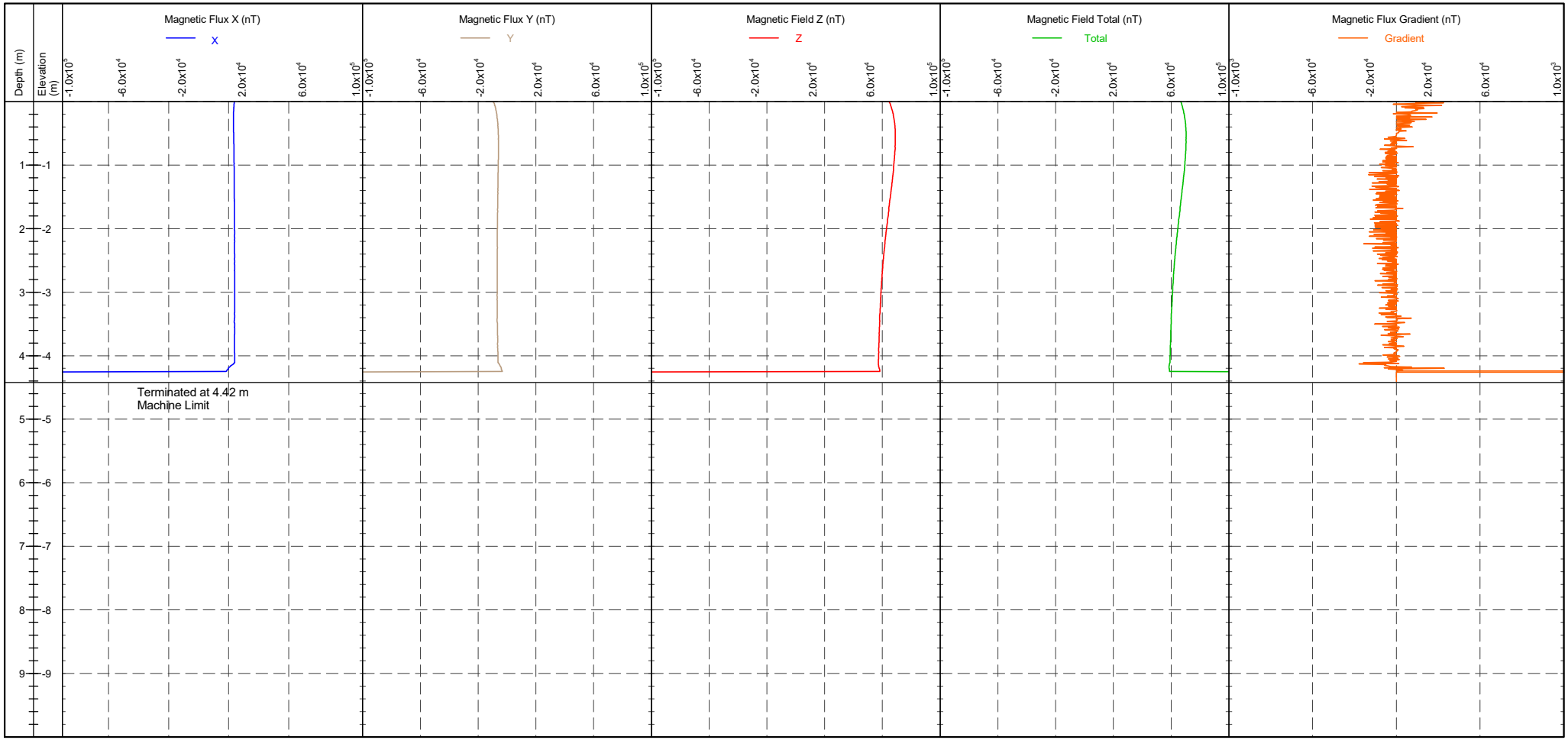


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 07A	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2600 mV	2561 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 08

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



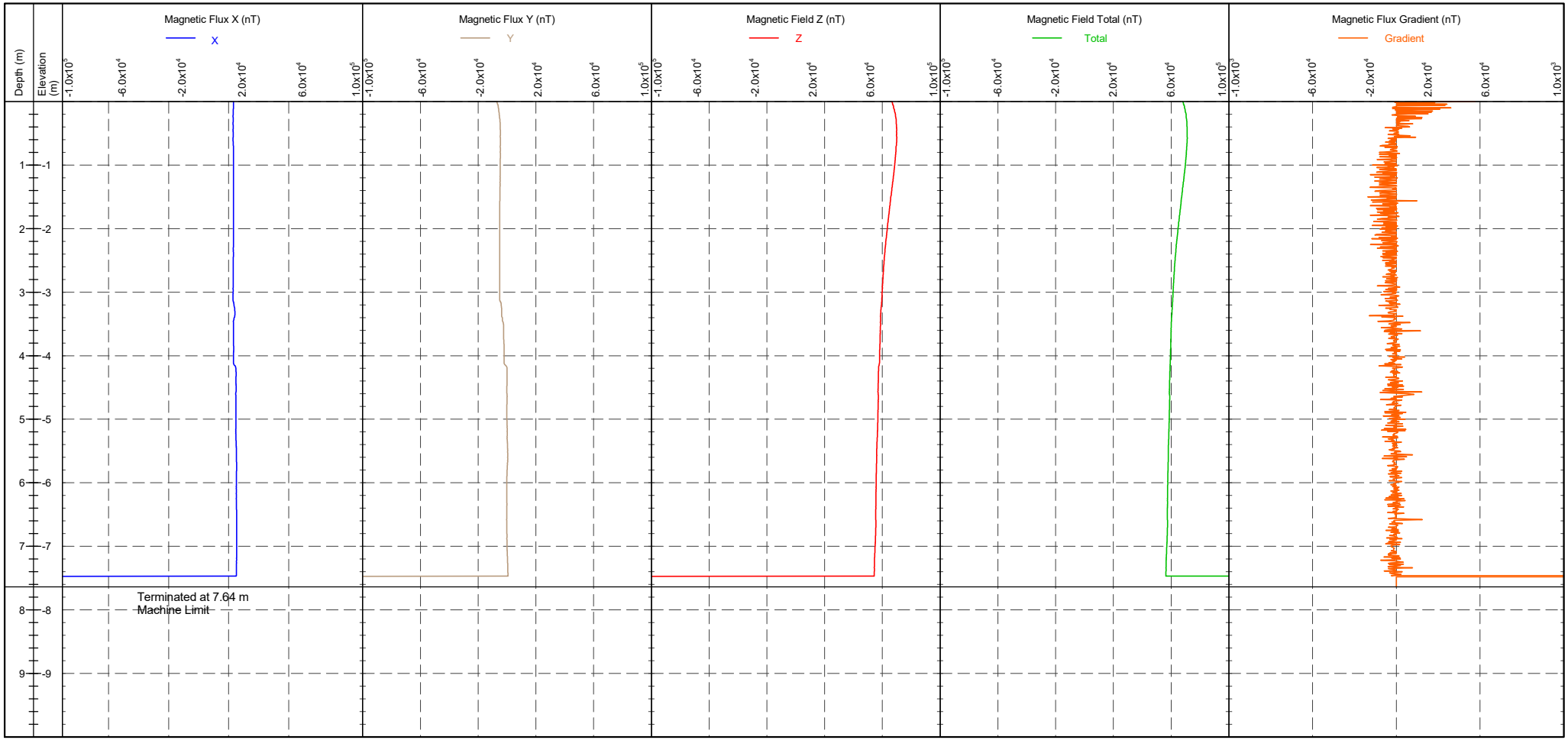
CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 08	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2540 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID

MAG 08A

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012

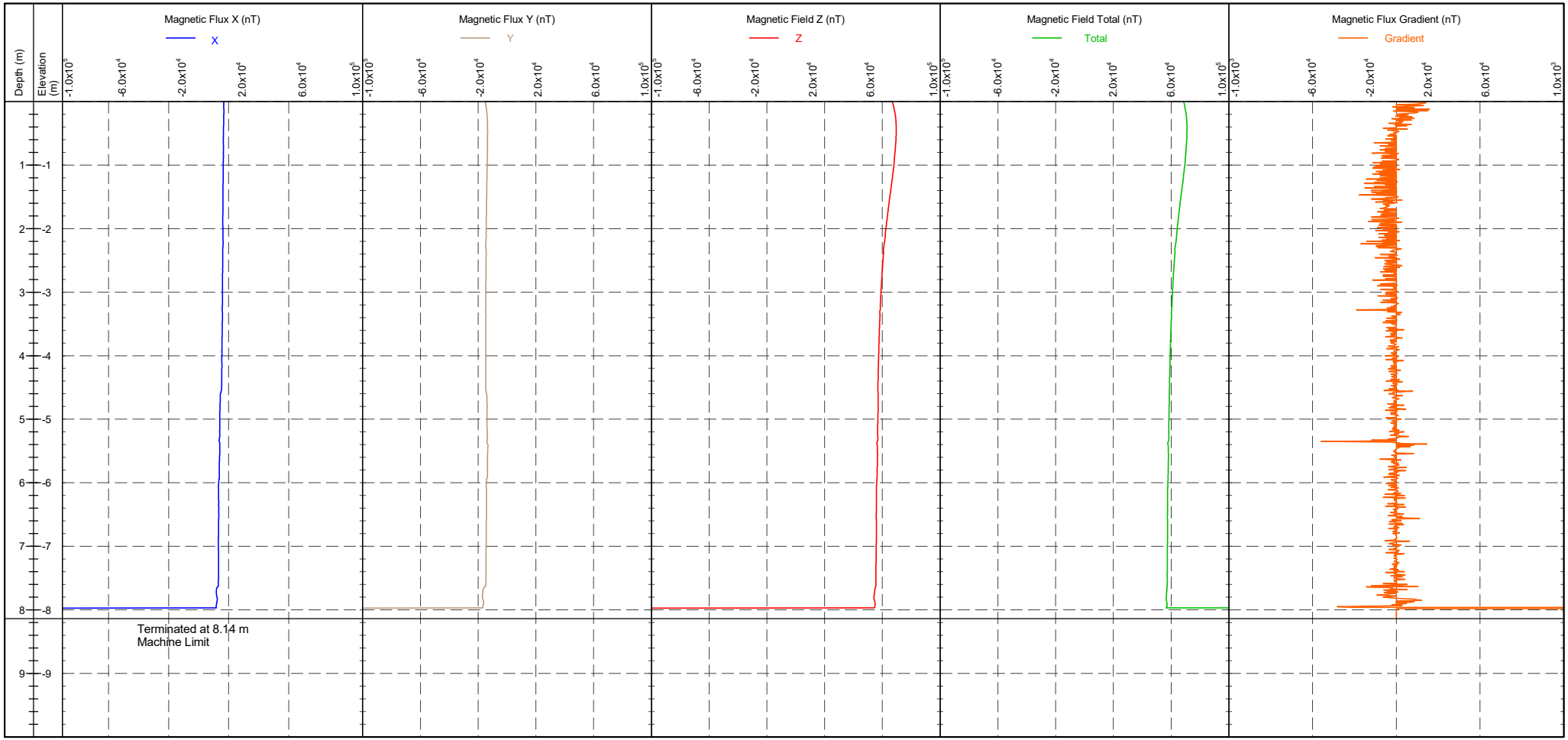


CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 08A	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2549 mV	2560 mV

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID
MAG 09

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: Magnetometer.1523	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 007	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: RS & PB	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-MAG 09	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2533 mV	2513 mV

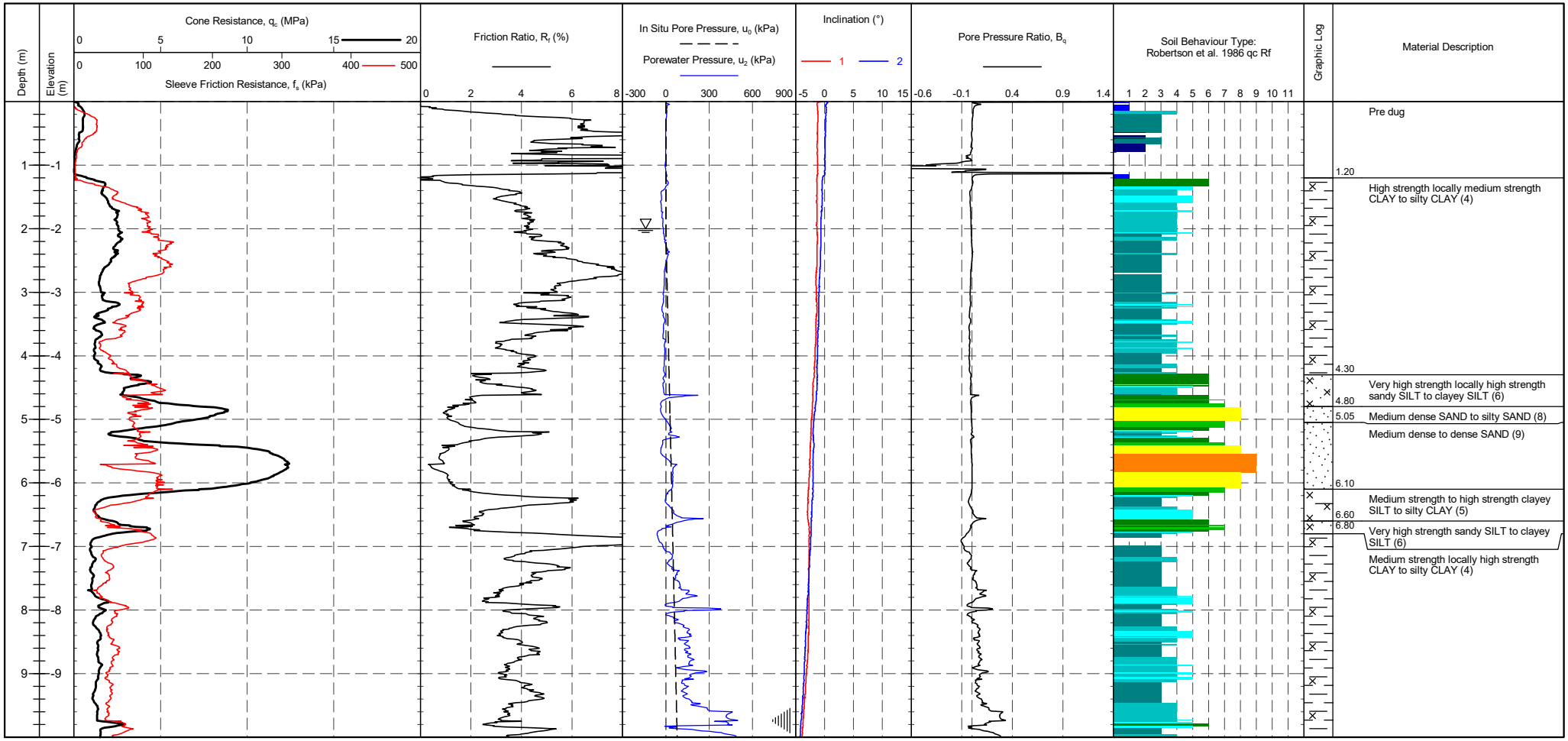
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	309 mV	308 mV
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	277 mV	271 mV
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	Pore Pressure 2	242 mV	271 mV
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	X-Y Inclinometer	2403 mV	2427 mV

Difference
-0.011 MPa
-0.004 kPa
0.008 kPa

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

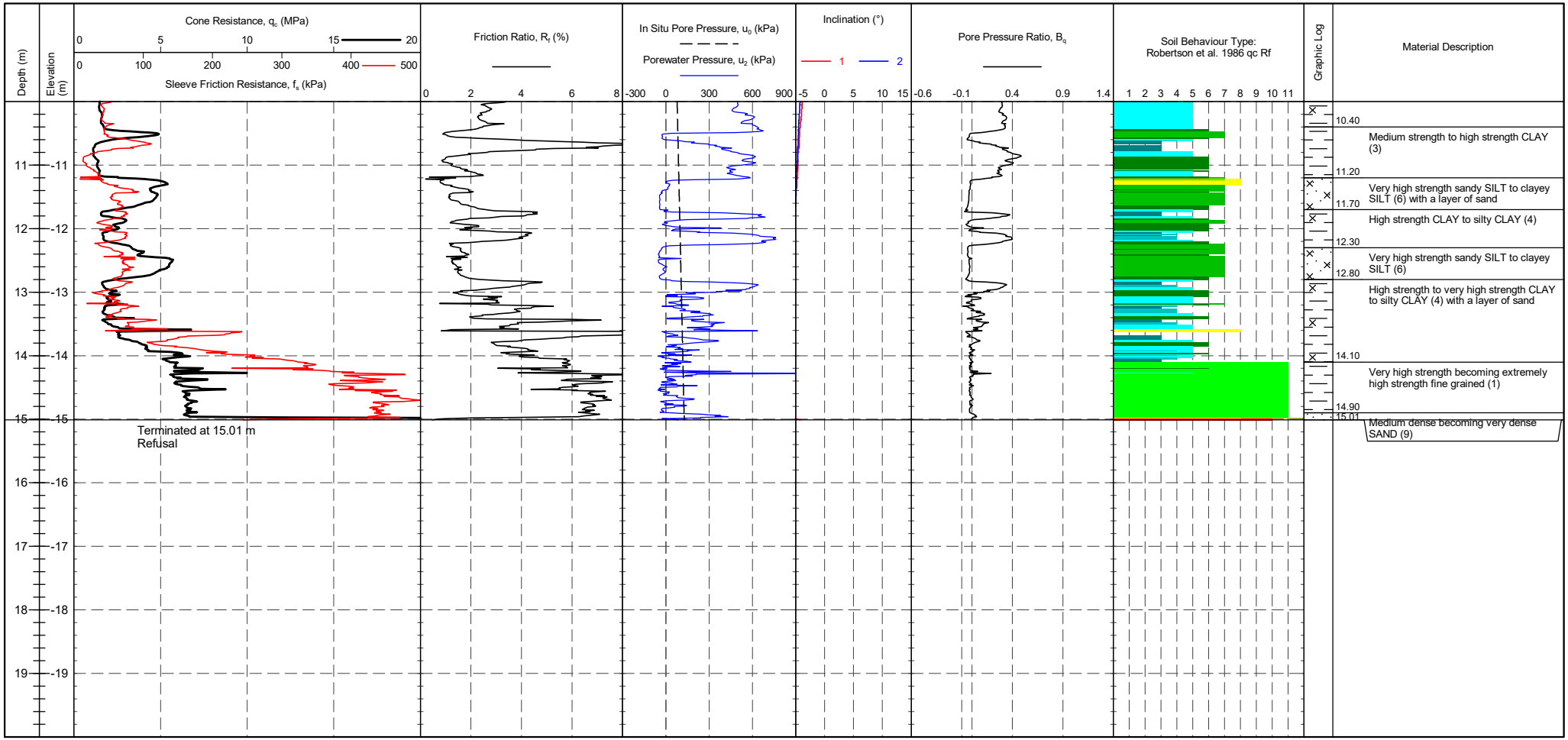
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 14

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 14	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	309 mV	308 mV	-0.011 MPa
Sleeve	277 mV	271 mV	-0.004 kPa
Pore Pressure 2	242 mV	271 mV	0.008 kPa
X-Y Inclinometer	2403 mV	2427 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

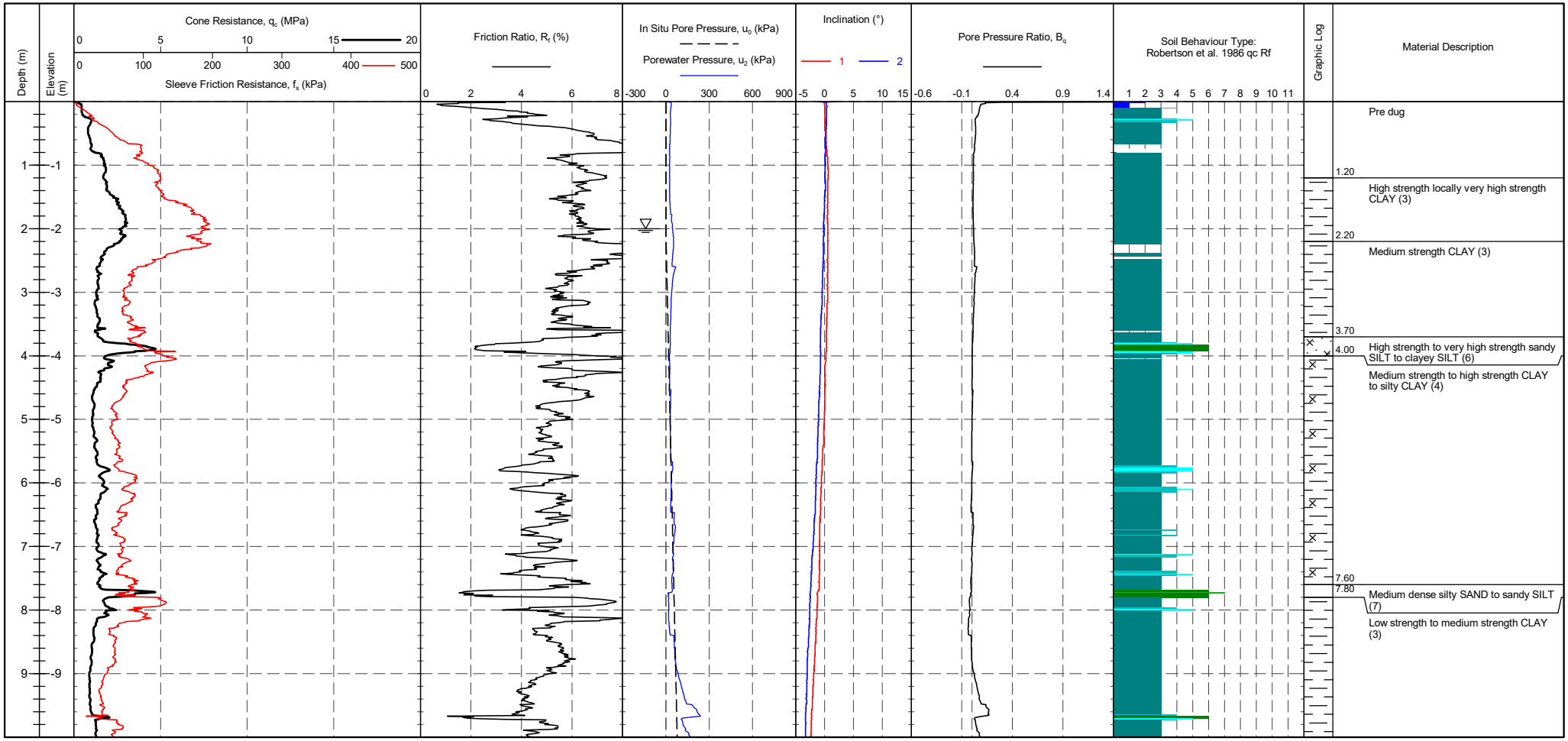
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	306 mV	0.011 MPa
Sleeve	263 mV	266 mV	0.002 kPa
Pore Pressure 2	260 mV	235 mV	-0.007 kPa
X-Y Inclinometer	2427 mV	2439 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

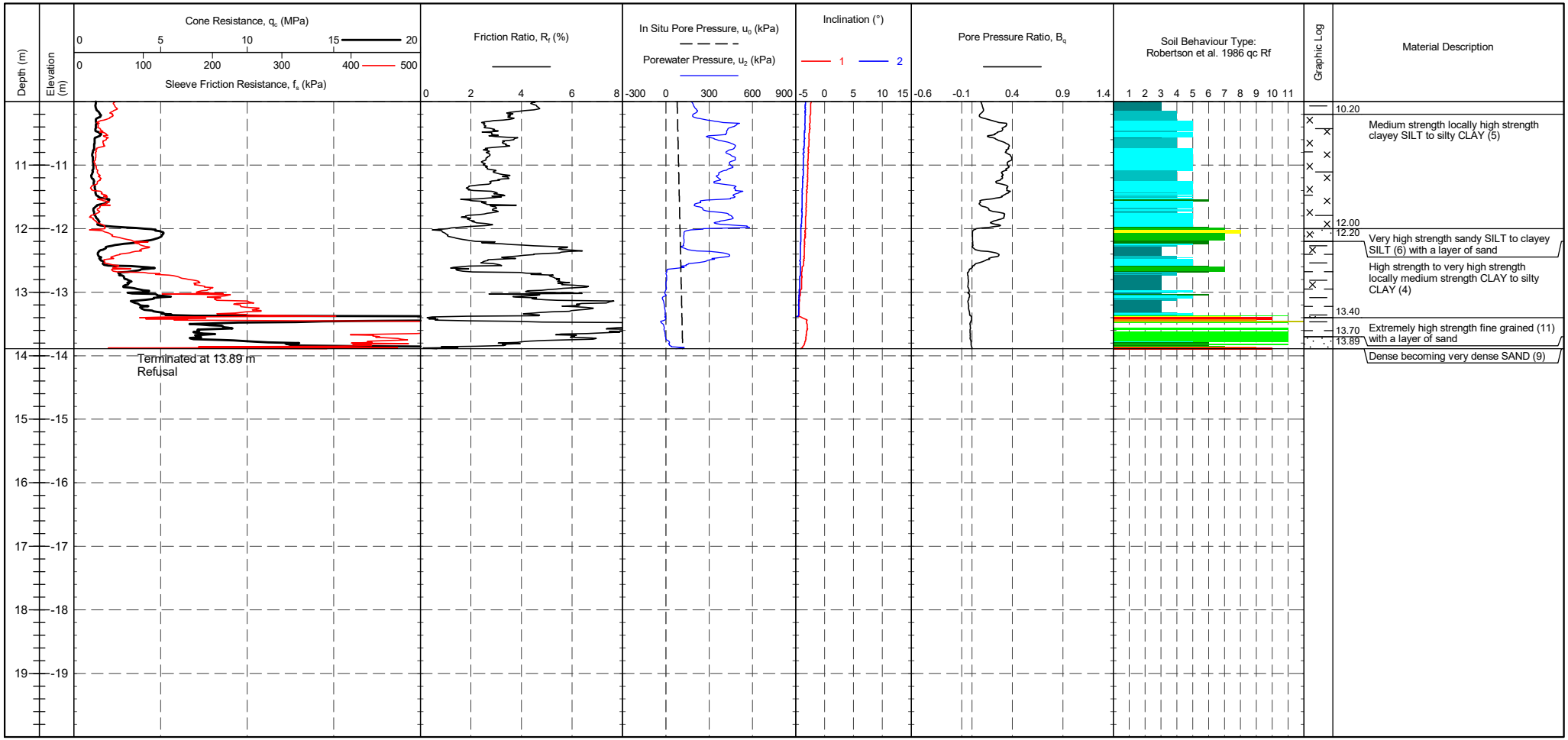
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 15

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 15		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	306 mV	0.011 MPa
Sleeve	263 mV	266 mV	0.002 kPa
Pore Pressure 2	260 mV	235 mV	-0.007 kPa
X-Y Inclinometer	2427 mV	2439 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

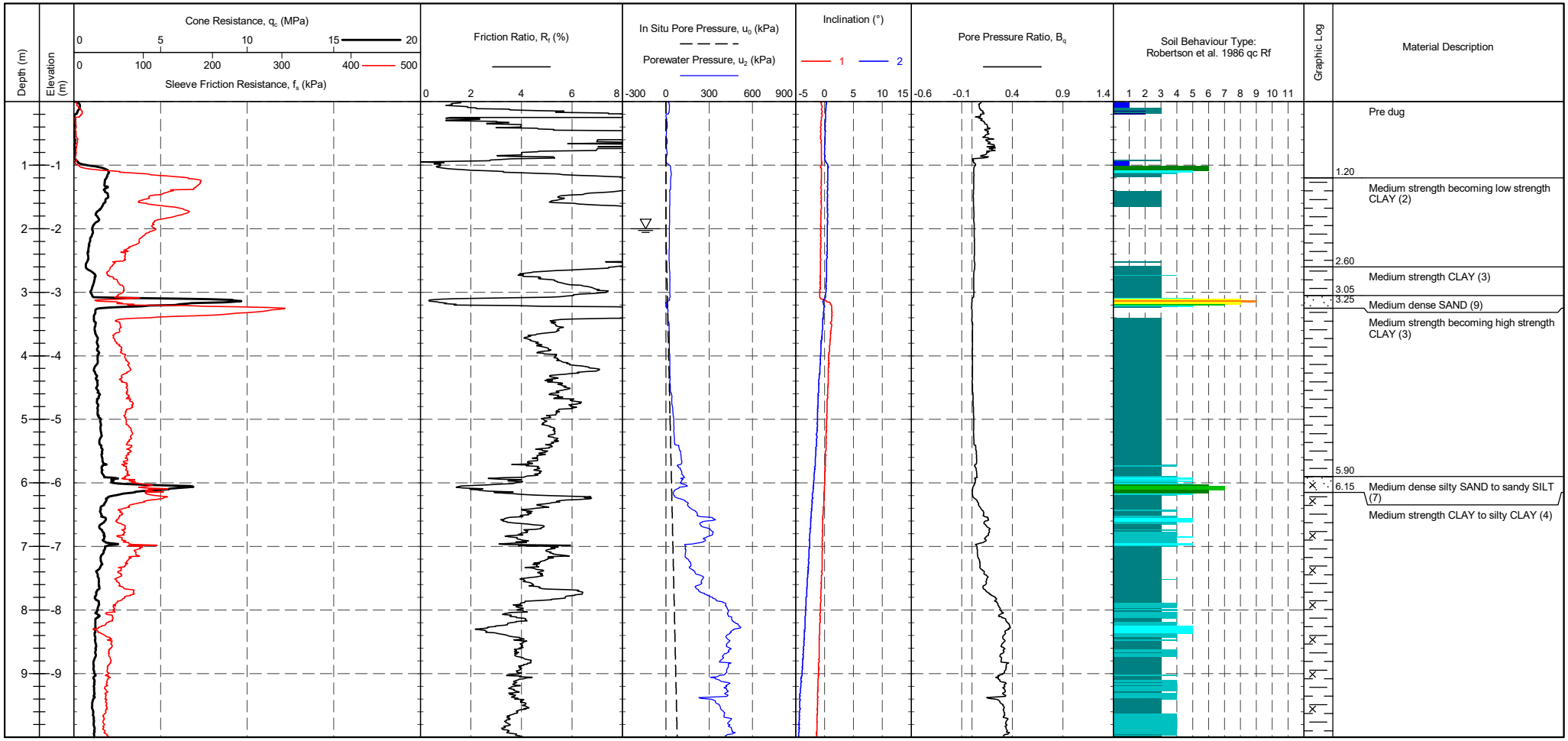
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	304 mV	-0.011 MPa
Sleeve	266 mV	265 mV	-0.001 kPa
Pore Pressure 2	227 mV	262 mV	0.01 kPa
X-Y Inclinometer	2411 mV	2426 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

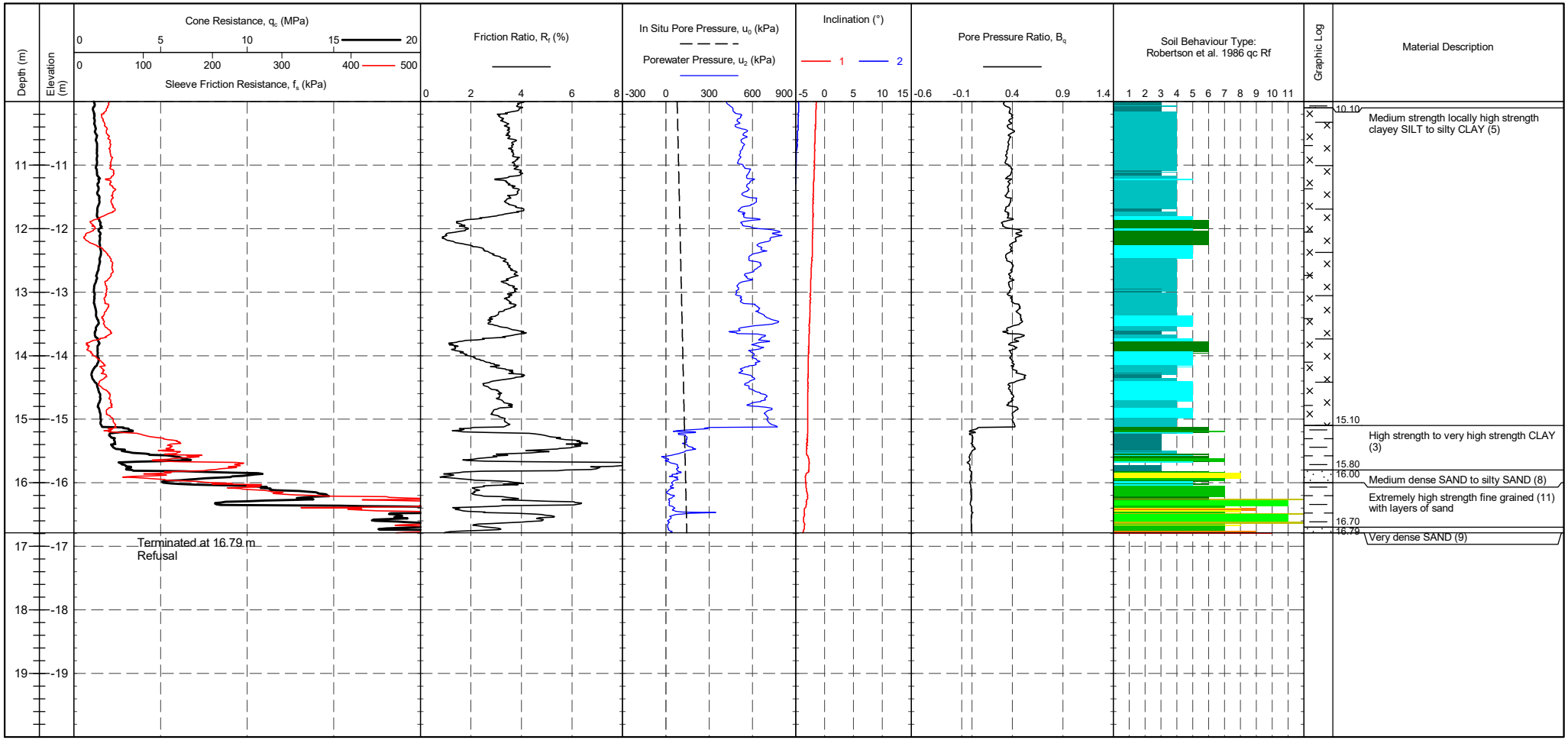
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 16

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 16	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	304 mV	-0.011 MPa
Sleeve	266 mV	265 mV	-0.001 kPa
Pore Pressure 2	227 mV	262 mV	0.01 kPa
X-Y Inclinometer	2411 mV	2426 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

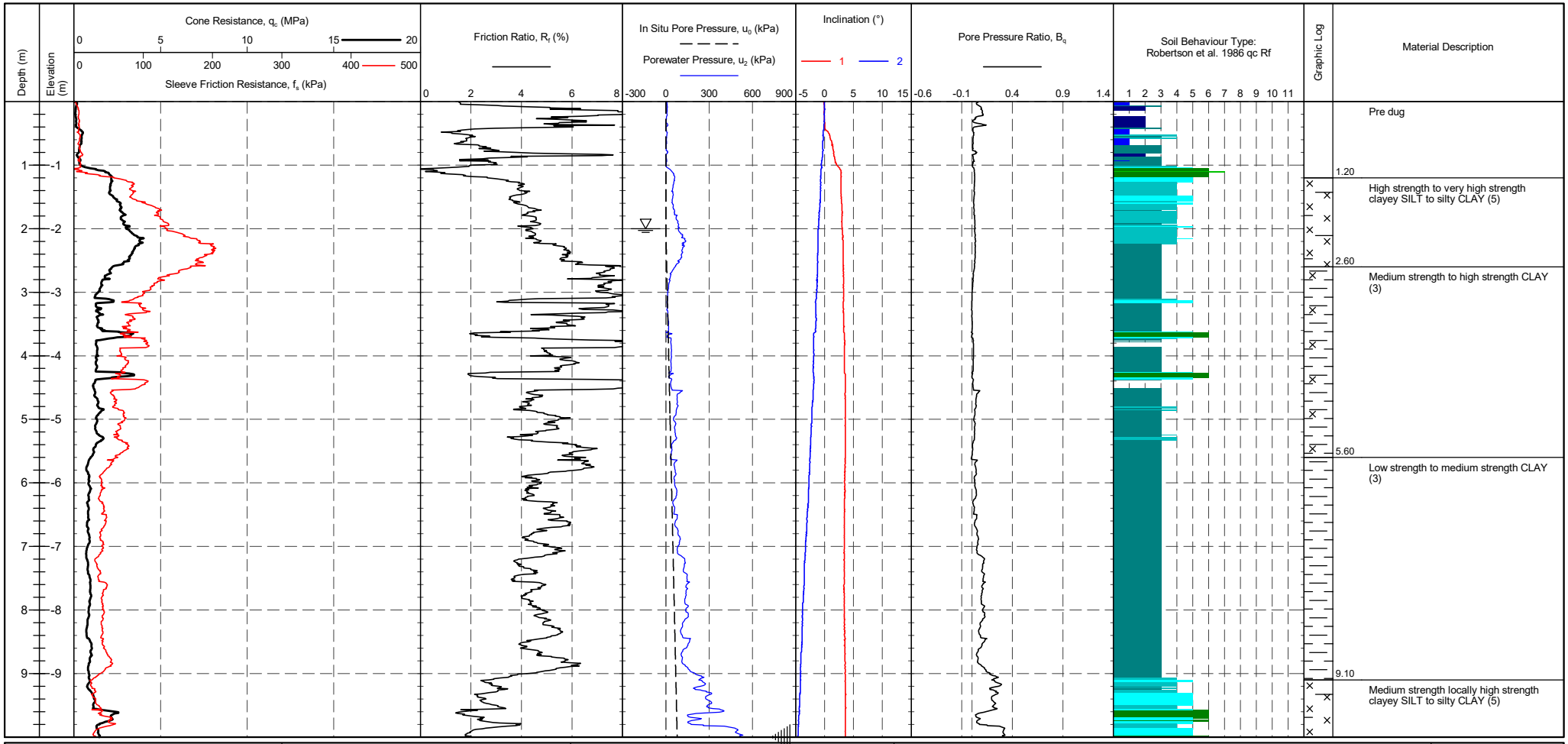
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	305 mV	0 MPa
Sleeve	279 mV	273 mV	-0.004 kPa
Pore Pressure 2	238 mV	276 mV	0.011 kPa
X-Y Inclinometer	2446 mV	2466 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

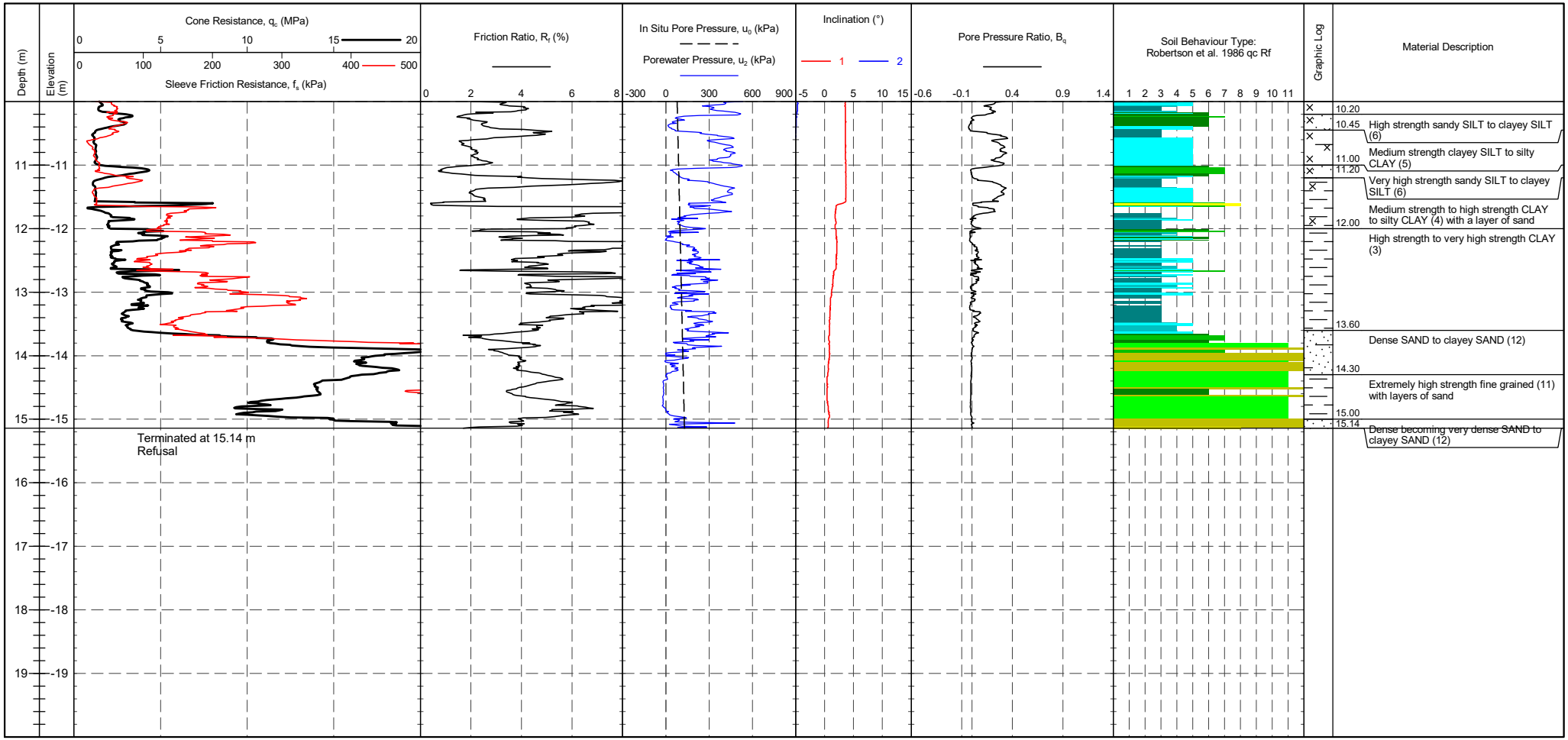
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 19

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 19	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	305 mV	0 MPa
Sleeve	279 mV	273 mV	-0.004 kPa
Pore Pressure 2	238 mV	276 mV	0.011 kPa
X-Y Inclinometer	2446 mV	2466 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

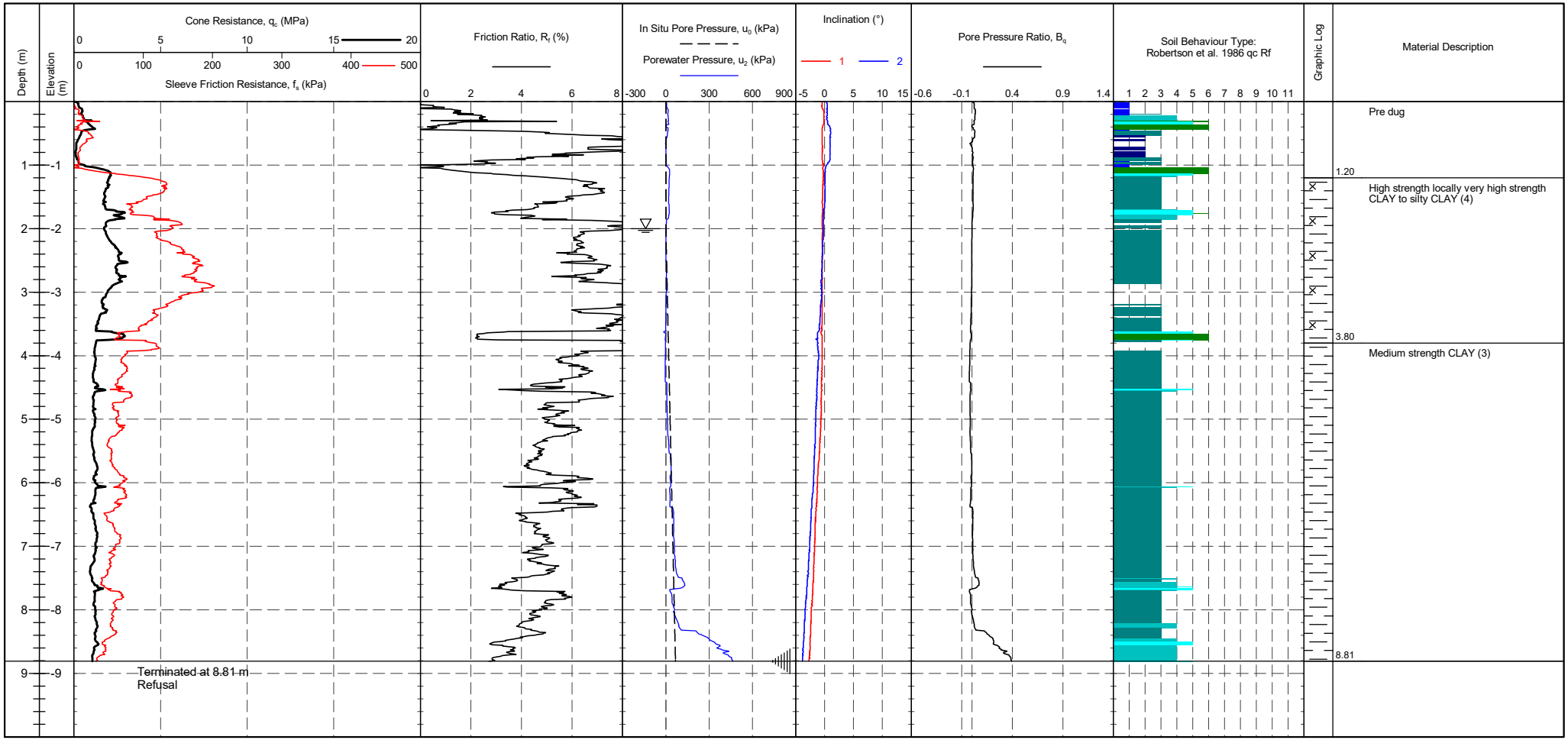
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 20

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	304 mV	306 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	264 mV	265 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 20	Pore Pressure 2	253 mV	238 mV	-0.004 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2424 mV	2391 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

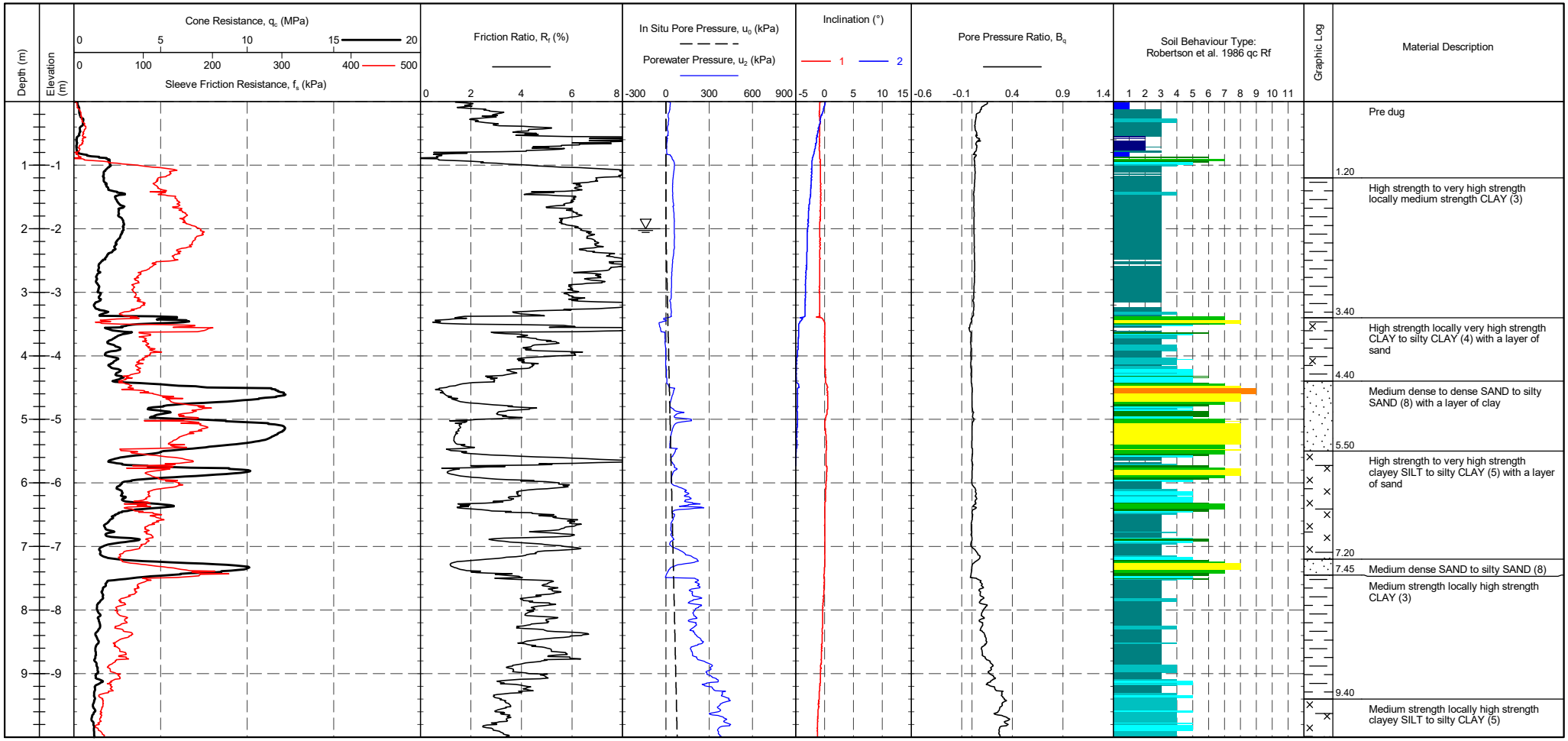
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID : S15-CFIP.1488	TEST TYPE : TE2	CPTU ZERO VALUES		
CONE AREA : 15cm²	APPLICATION CLASS : 2	Transducer	Pre	Post / Difference
CONE AREA RATIO : 0.79	RIG : CPT 007	Tip	306 mV	306 mV / 0 MPa
FILTER POSITION : u2	OPERATOR : RS & PB	Sleeve	275 mV	263 mV / -0.009 kPa
FILTER TYPE : HDPE	FILE NAME : 1170315-CPT 22	Pore Pressure 2	278 mV	269 mV / -0.003 kPa
FRICTION REDUCER : None	WEATHER : Overcast & Mild	X-Y Inclinometer	2428 mV	2402 mV

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

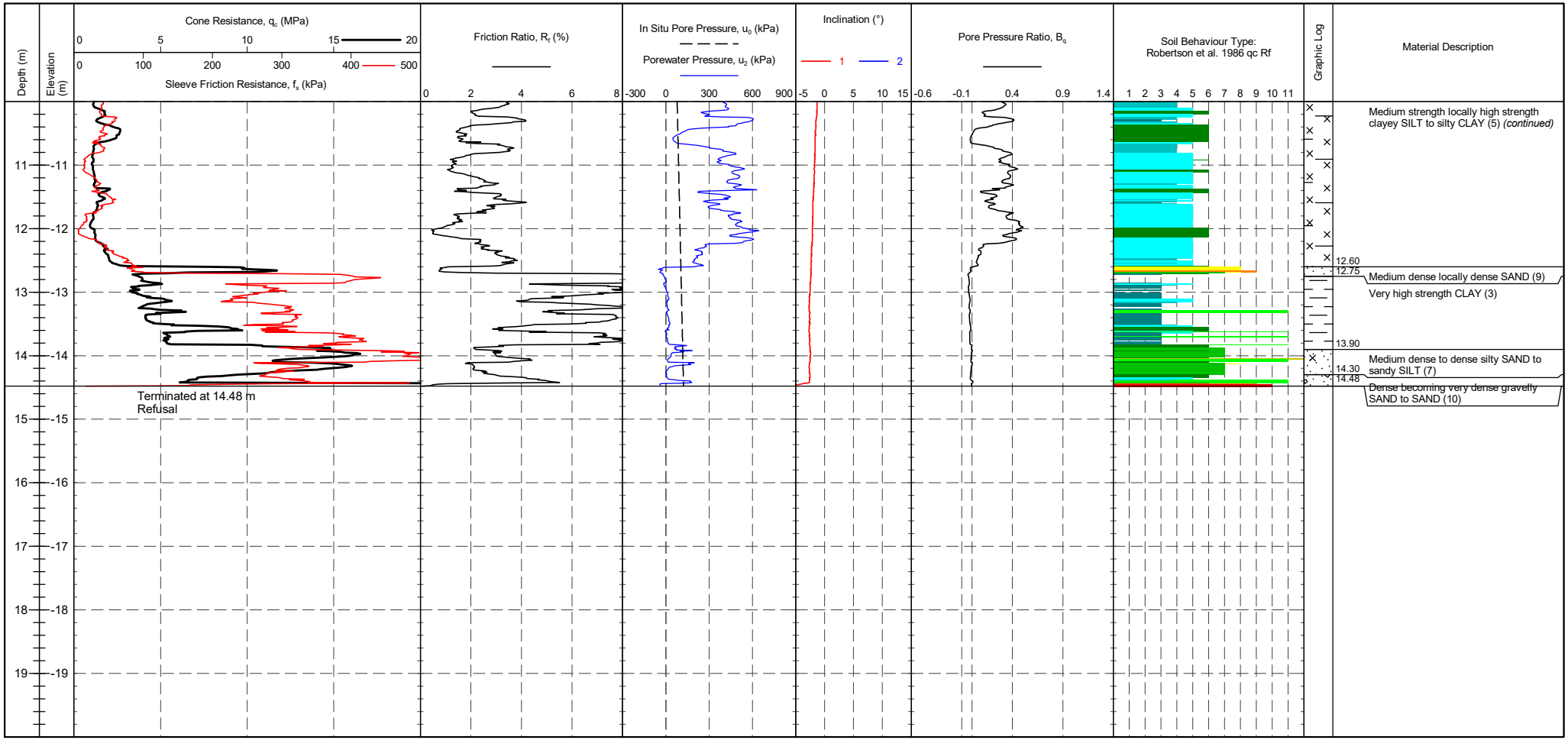
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 22

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	306 mV	306 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	275 mV	263 mV	-0.009 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 22	Pore Pressure 2	278 mV	269 mV	-0.003 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2428 mV	2402 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

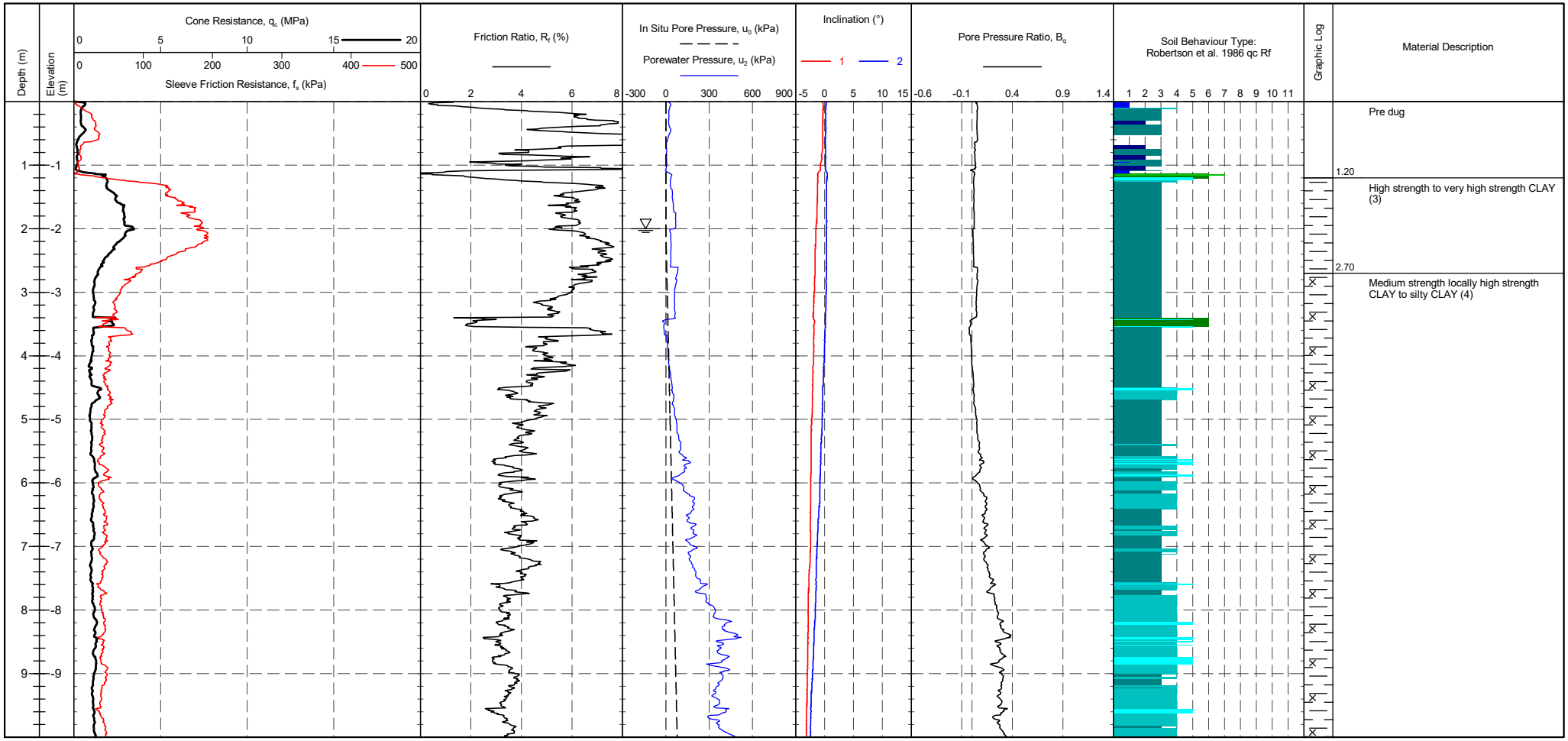
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	305 mV	0 MPa
Sleeve	269 mV	264 mV	-0.004 kPa
Pore Pressure 2	232 mV	334 mV	0.029 kPa
X-Y Inclinometer	2423 mV	2428 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

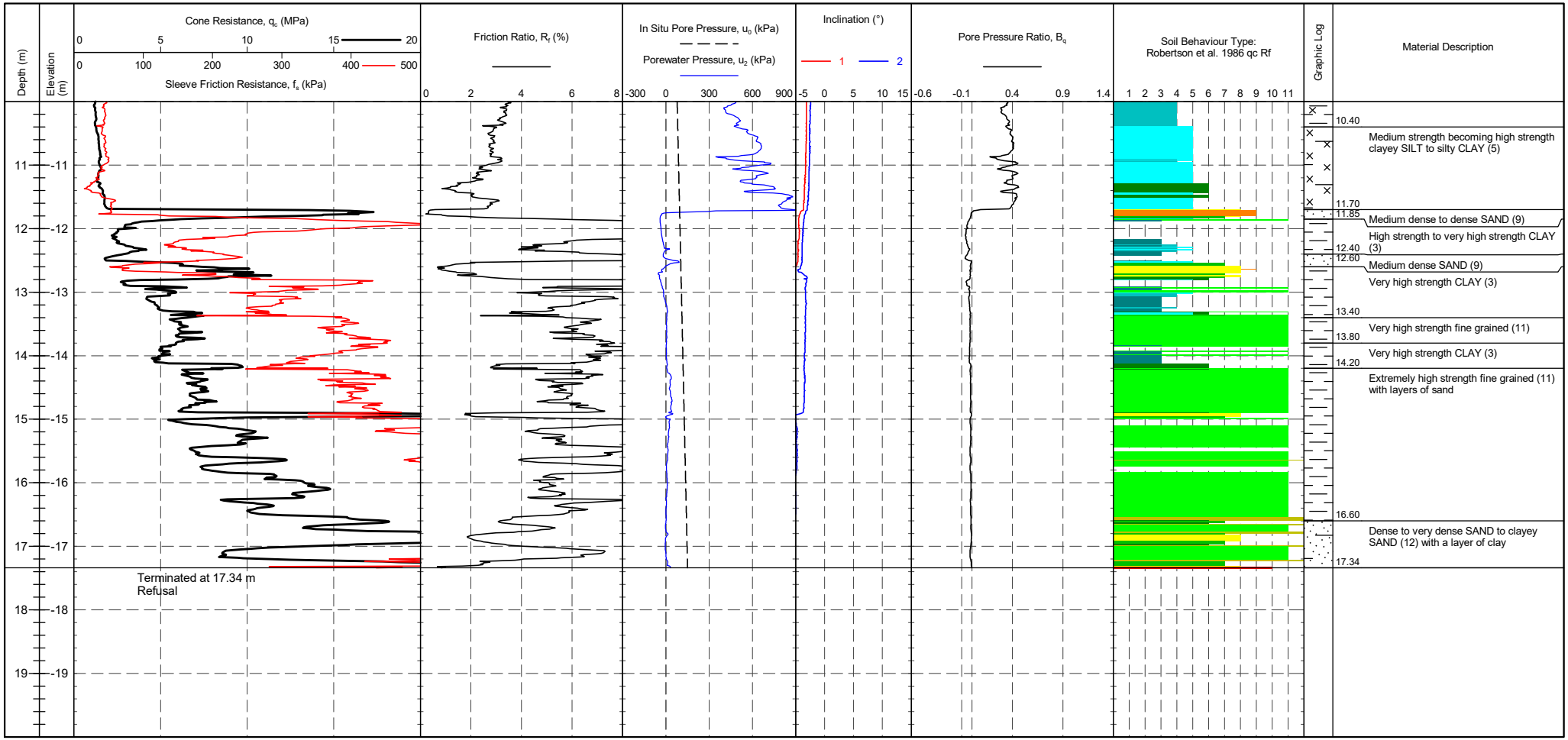
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 23

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 23	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	305 mV	0 MPa
Sleeve	269 mV	264 mV	-0.004 kPa
Pore Pressure 2	232 mV	334 mV	0.029 kPa
X-Y Inclinometer	2423 mV	2428 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

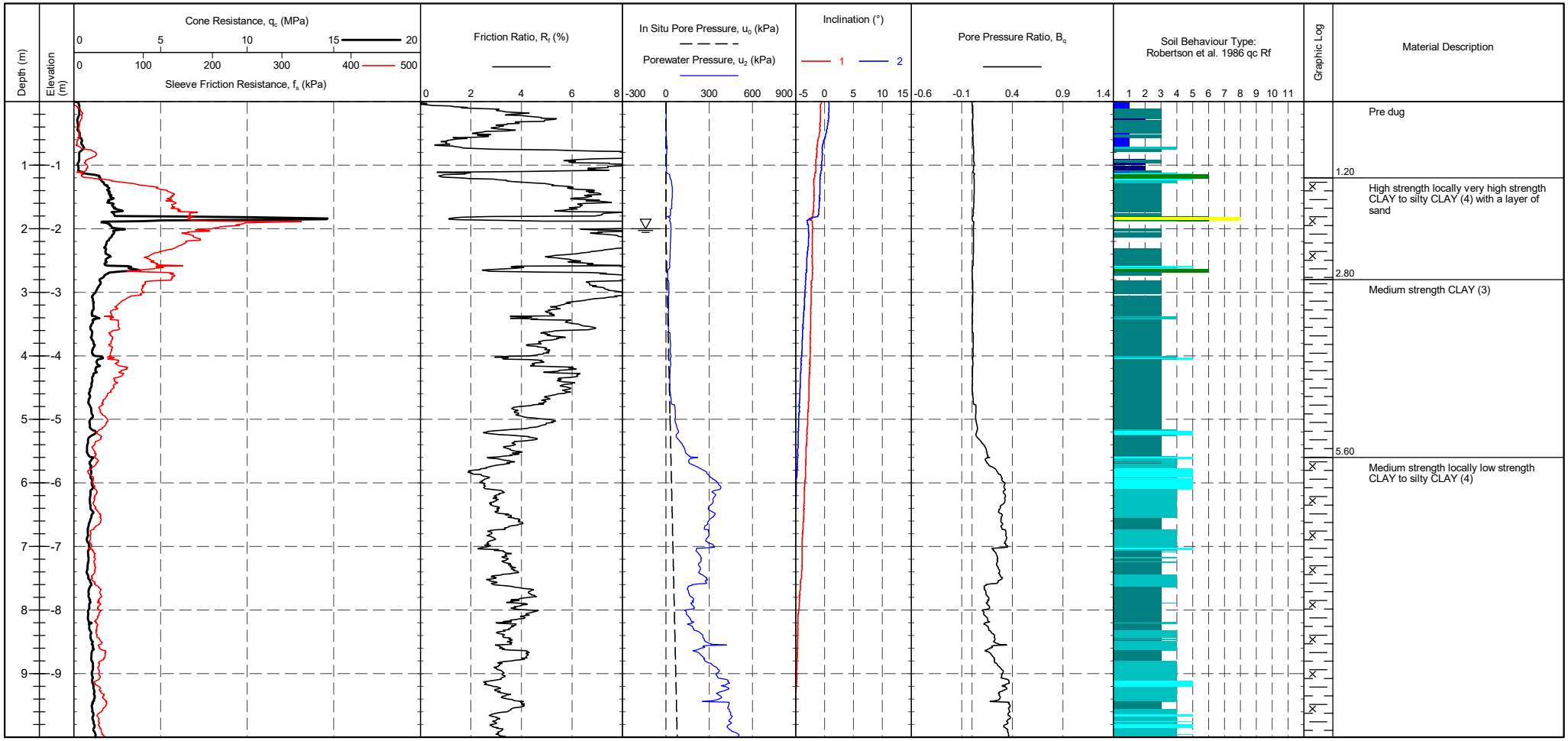
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	304 mV	306 mV	0.022 MPa
Sleeve	268 mV	269 mV	0.001 kPa
Pore Pressure 2	243 mV	242 mV	0 kPa
X-Y Inclinometer	2416 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

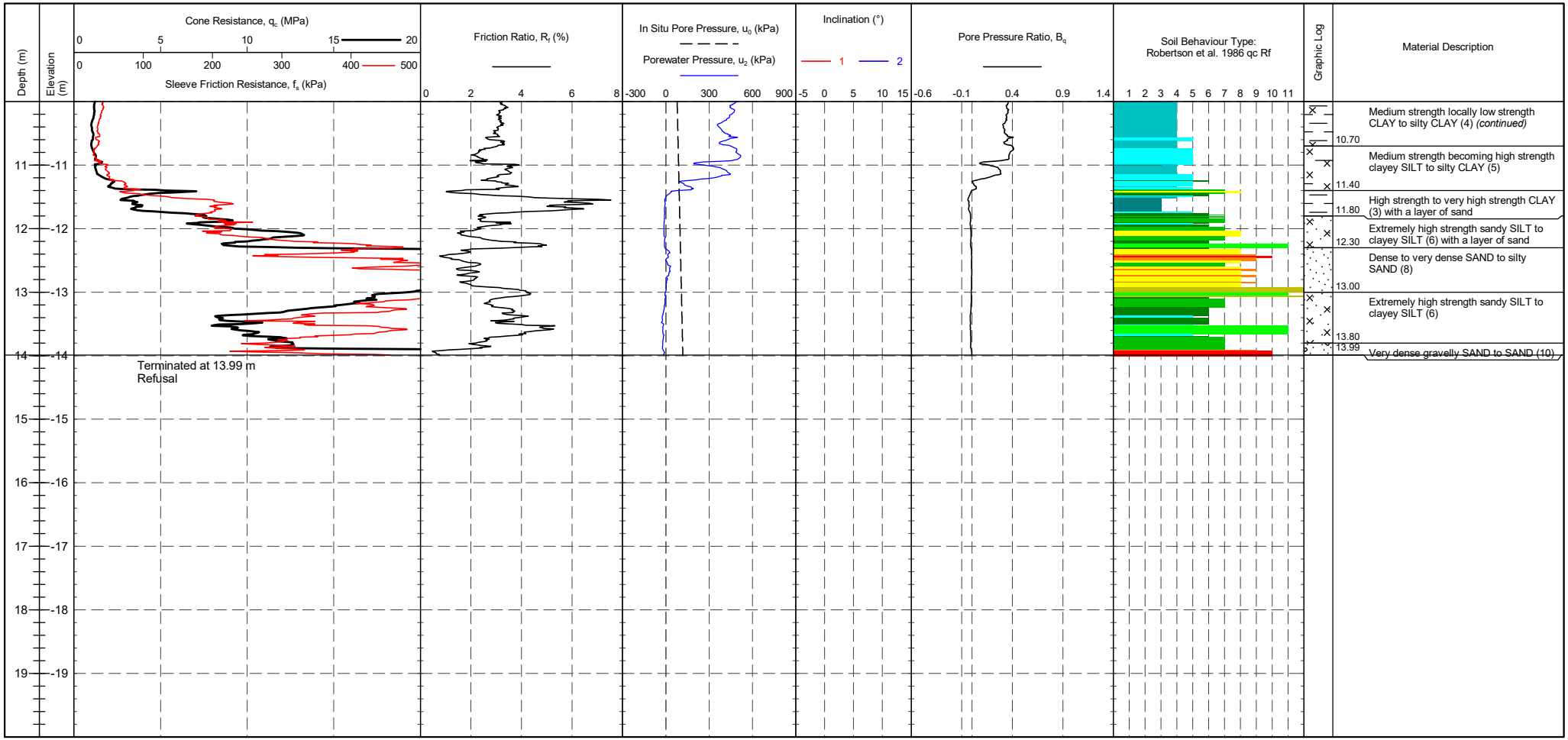
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 24

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 04/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 24	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	304 mV	306 mV	0.022 MPa
Sleeve	268 mV	269 mV	0.001 kPa
Pore Pressure 2	243 mV	242 mV	0 kPa
X-Y Inclinometer	2416 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

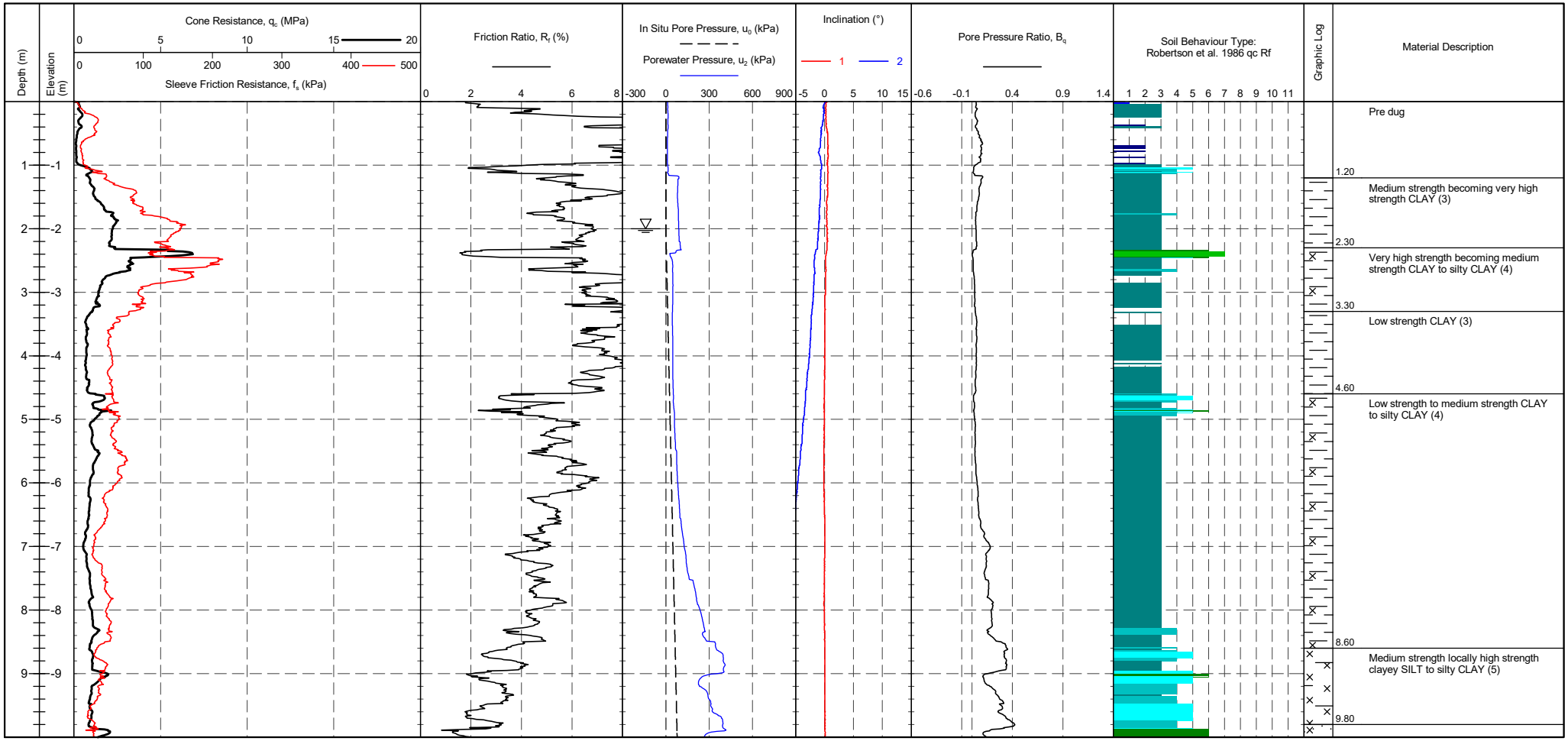
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	305 mV	305 mV	0 MPa
Sleeve	269 mV	269 mV	0 kPa
Pore Pressure 2	263 mV	361 mV	0.028 kPa
X-Y Inclinometer	2456 mV	2447 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

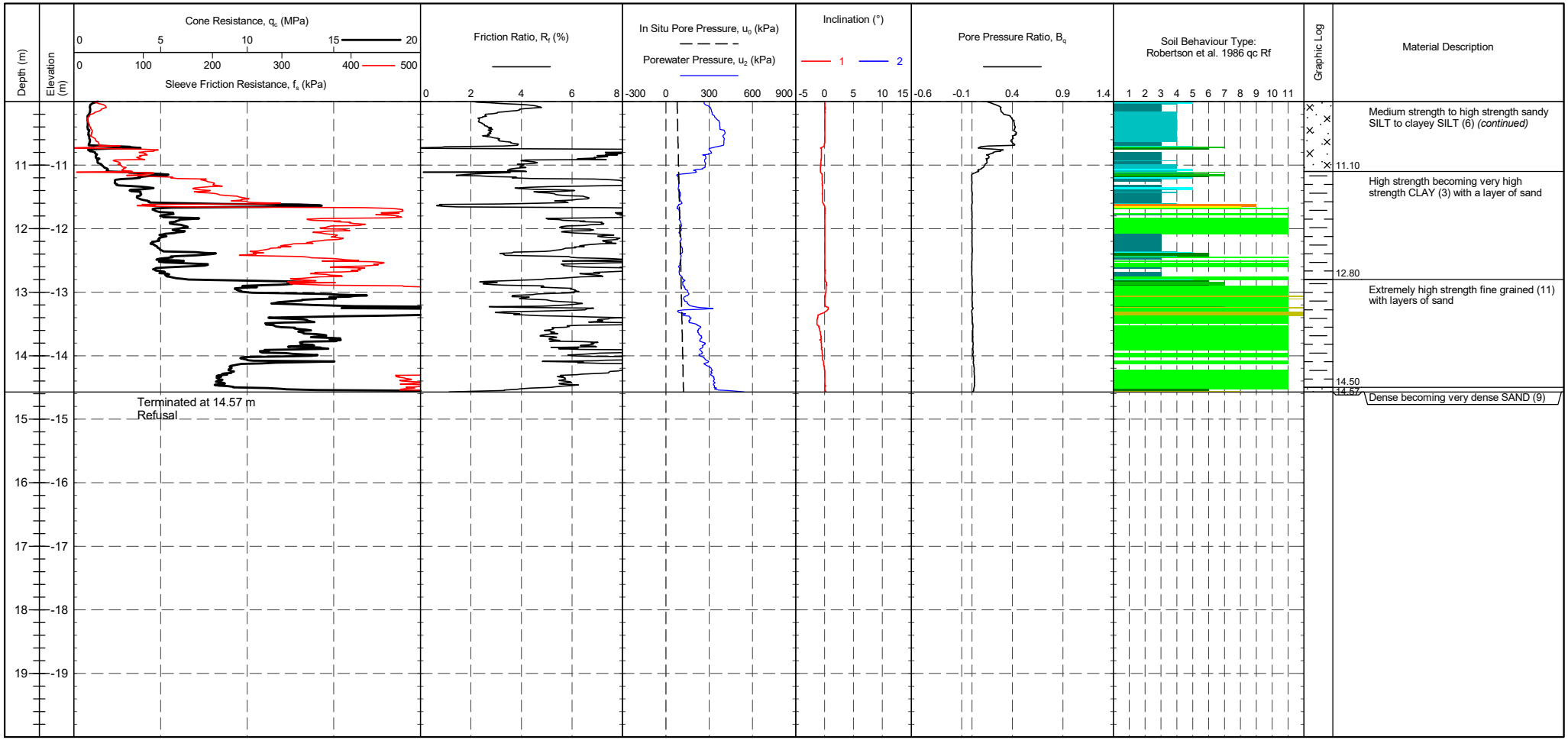
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 26

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	305 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	269 mV	269 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 26	Pore Pressure 2	263 mV	361 mV / 0.028 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2456 mV	2447 mV

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

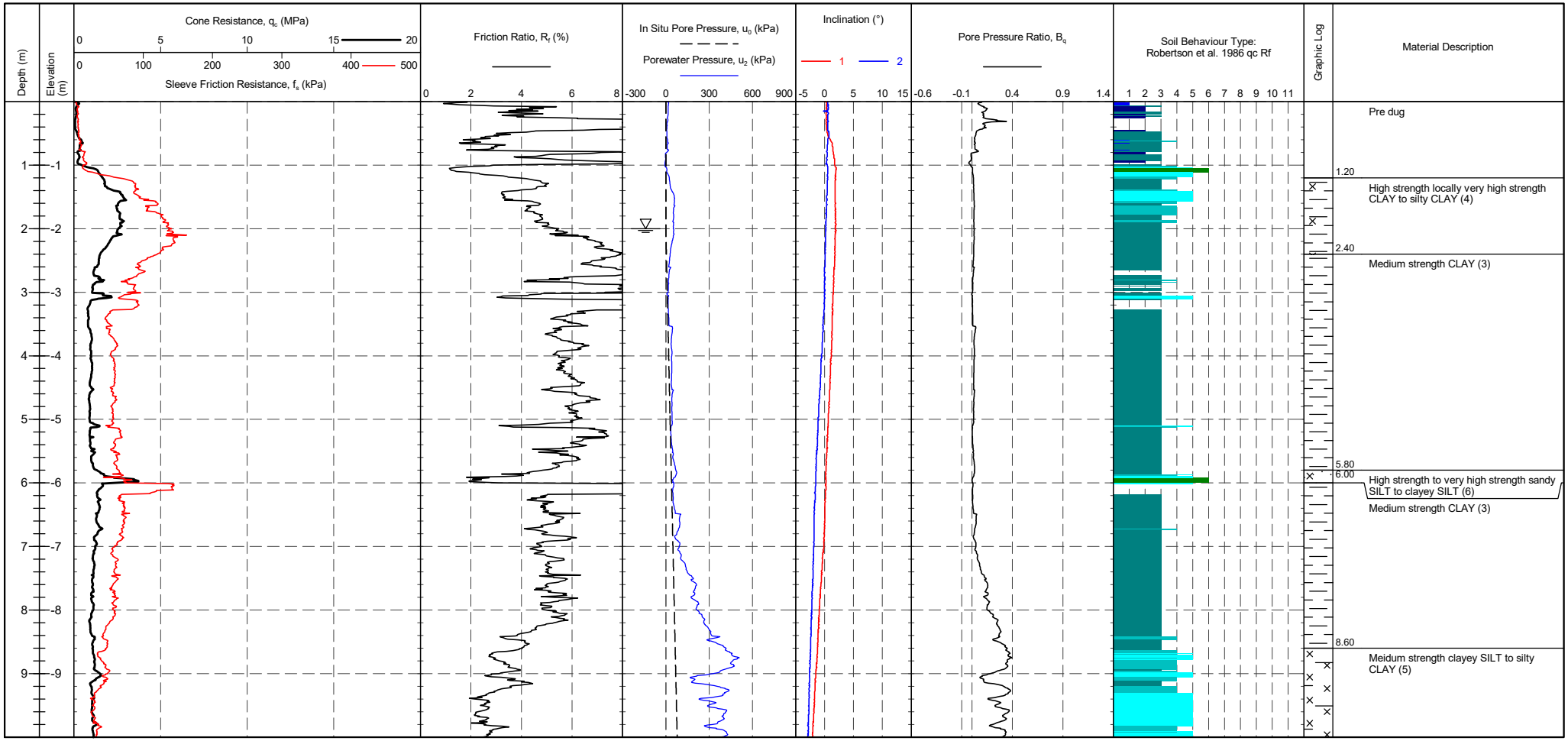
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	306 mV	301 mV	-0.055 MPa
Sleeve	292 mV	284 mV	-0.006 kPa
Pore Pressure 2	229 mV	273 mV	0.012 kPa
X-Y Inclinometer	2468 mV	2511 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

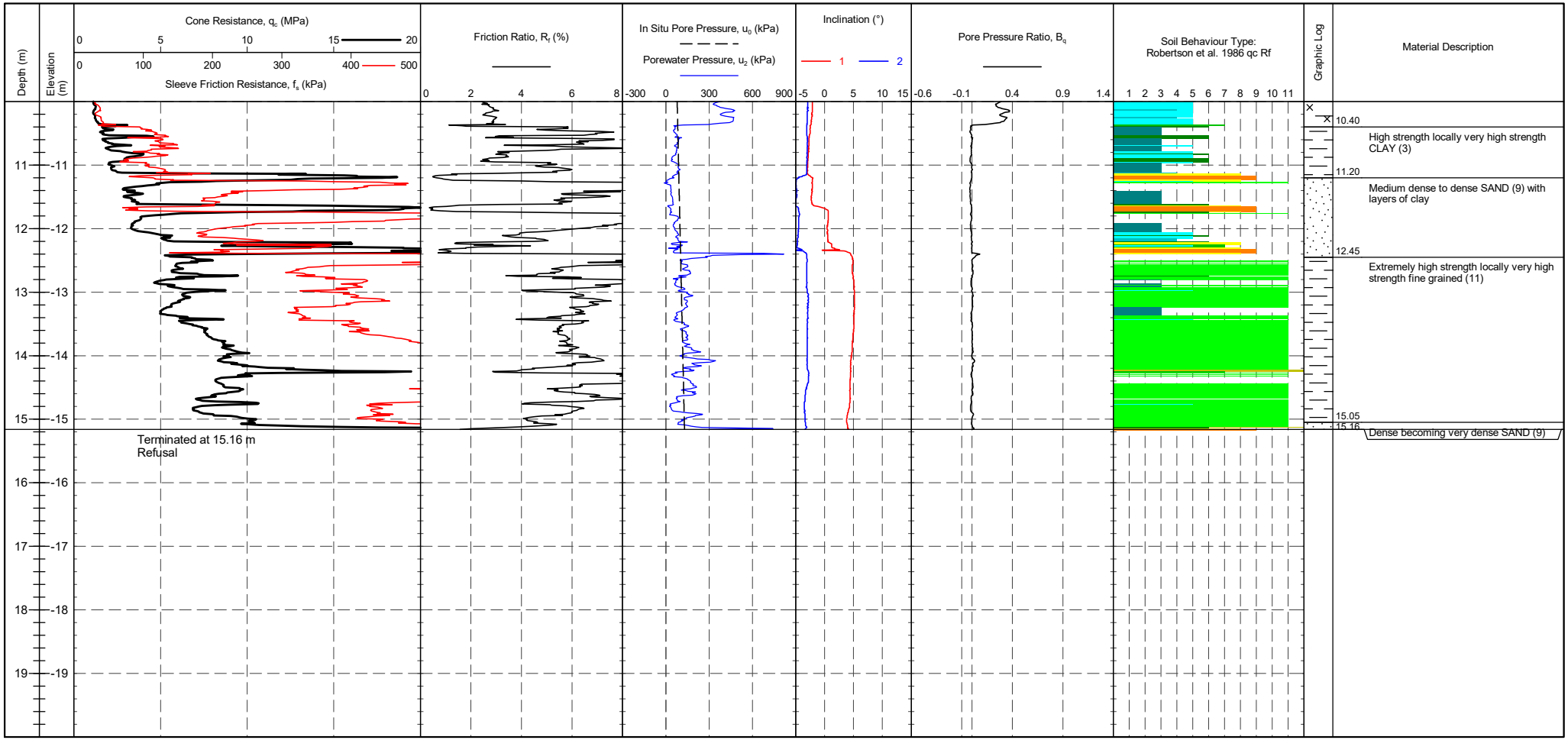
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 27

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 27		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	306 mV	301 mV	-0.055 MPa
Sleeve	292 mV	284 mV	-0.006 kPa
Pore Pressure 2	229 mV	273 mV	0.012 kPa
X-Y Inclinometer	2468 mV	2511 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

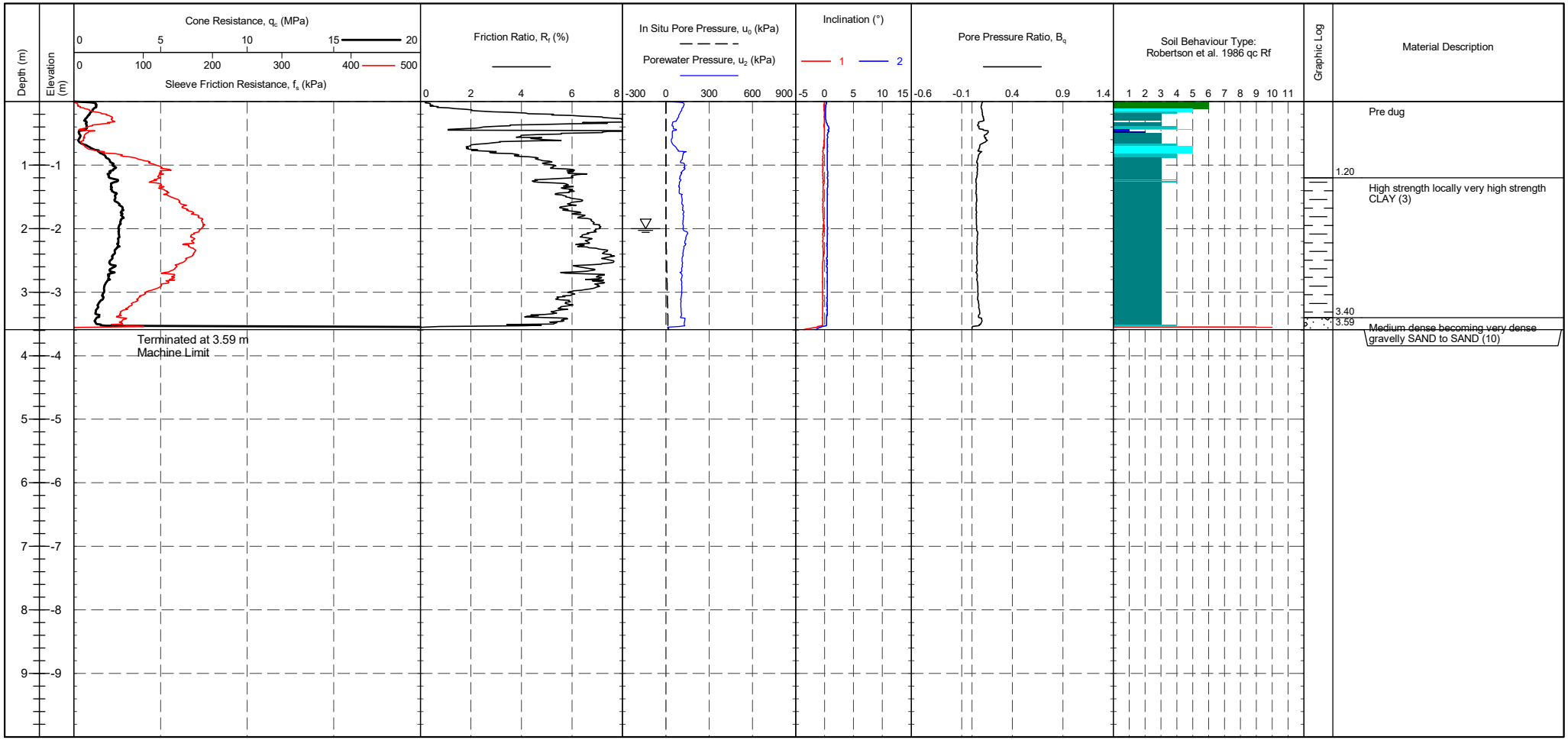
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	302 mV	308 mV	0.066 MPa
Sleeve	284 mV	290 mV	0.004 kPa
Pore Pressure 2	258 mV	257 mV	0 kPa
X-Y Inclinometer	2457 mV	2455 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

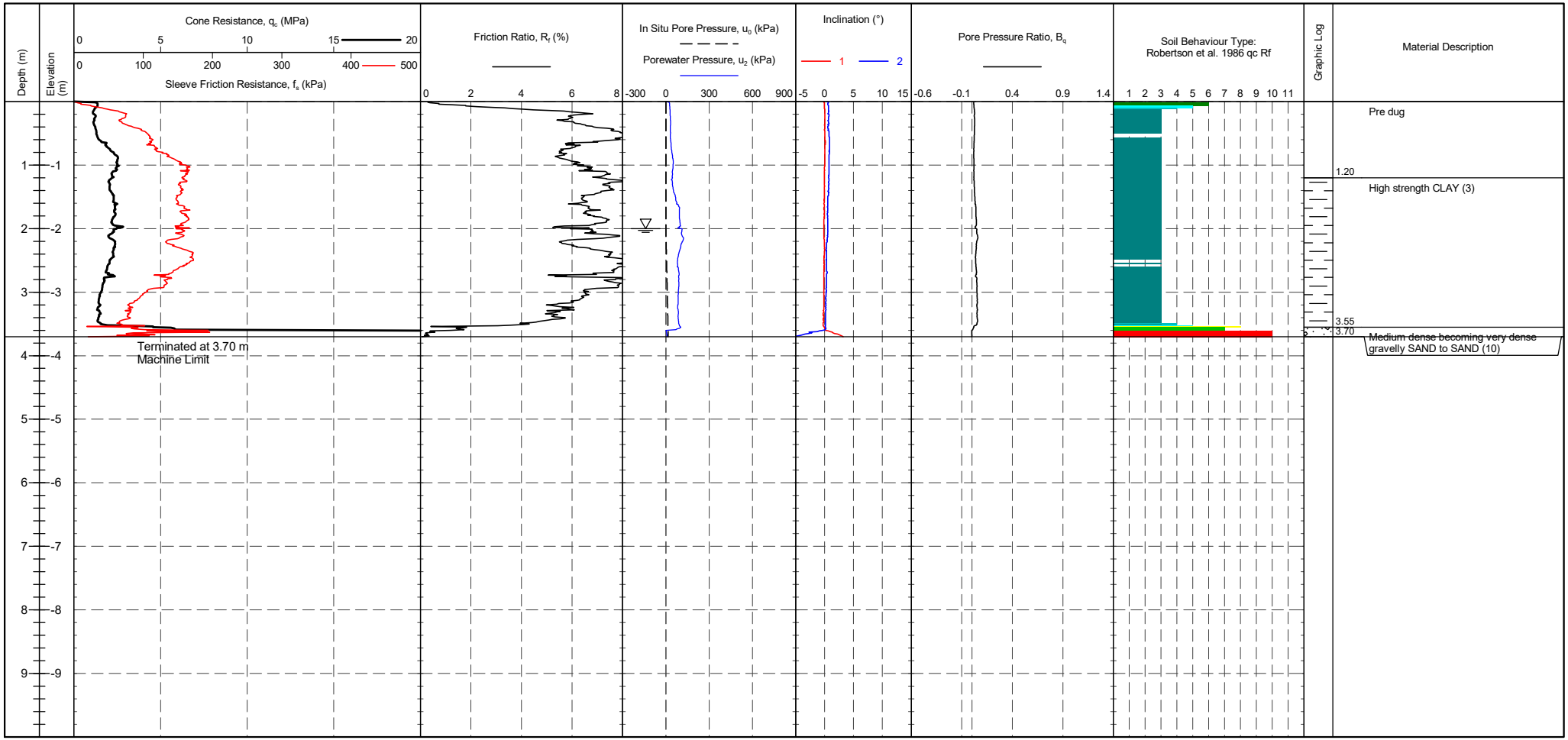
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28A		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	307 mV	310 mV	0.033 MPa
Sleeve	289 mV	287 mV	-0.001 kPa
Pore Pressure 2	256 mV	232 mV	-0.007 kPa
X-Y Inclinometer	2457 mV	2464 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

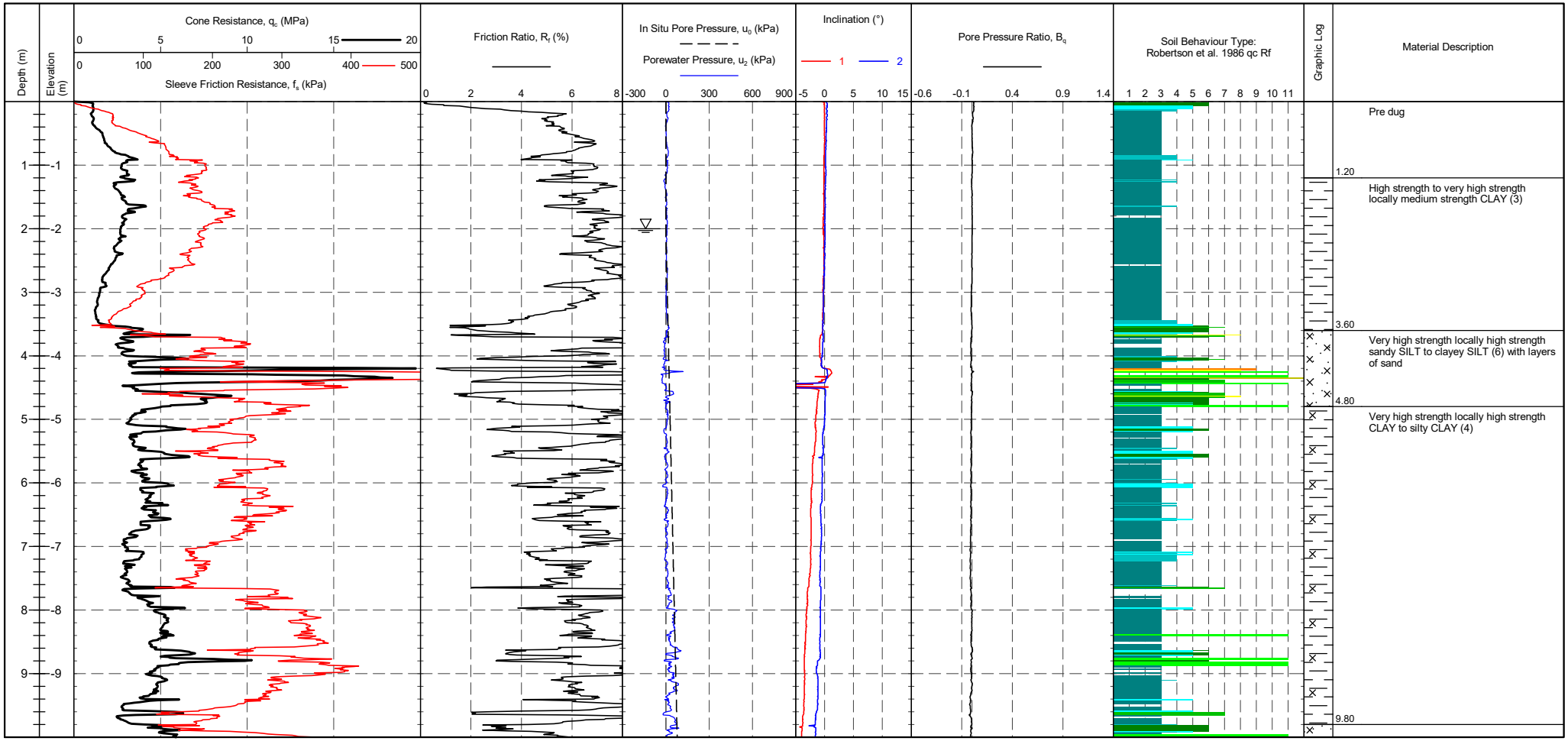
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 28B		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	307 mV	308 mV	0.011 MPa
Sleeve	270 mV	267 mV	-0.002 kPa
Pore Pressure 2	246 mV	236 mV	-0.003 kPa
X-Y Inclinometer	2411 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

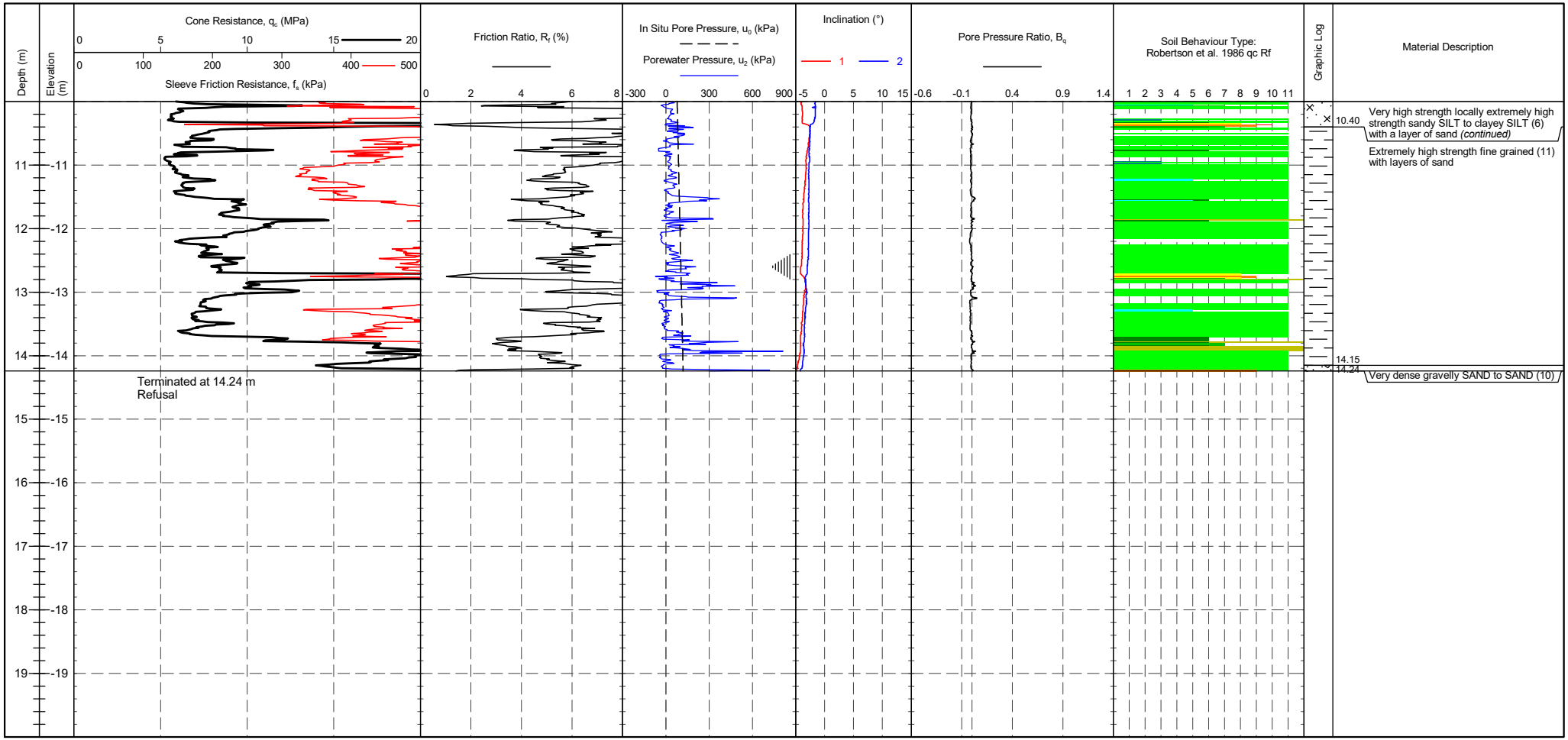
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 28B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID : S15-CFIP.1488	TEST TYPE : TE2	CPTU ZERO VALUES		
CONE AREA : 15cm²	APPLICATION CLASS : 2	Transducer	Pre	Post / Difference
CONE AREA RATIO : 0.79	RIG : CPT 007	Tip	307 mV	308 mV / 0.011 MPa
FILTER POSITION : u2	OPERATOR : RS & PB	Sleeve	270 mV	267 mV / -0.002 kPa
FILTER TYPE : HDPE	FILE NAME : 1170315-CPT 28B	Pore Pressure 2	246 mV	236 mV / -0.003 kPa
FRICTION REDUCER : None	WEATHER : Sunny & Mild	X-Y Inclinometer	2411 mV	2420 mV

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

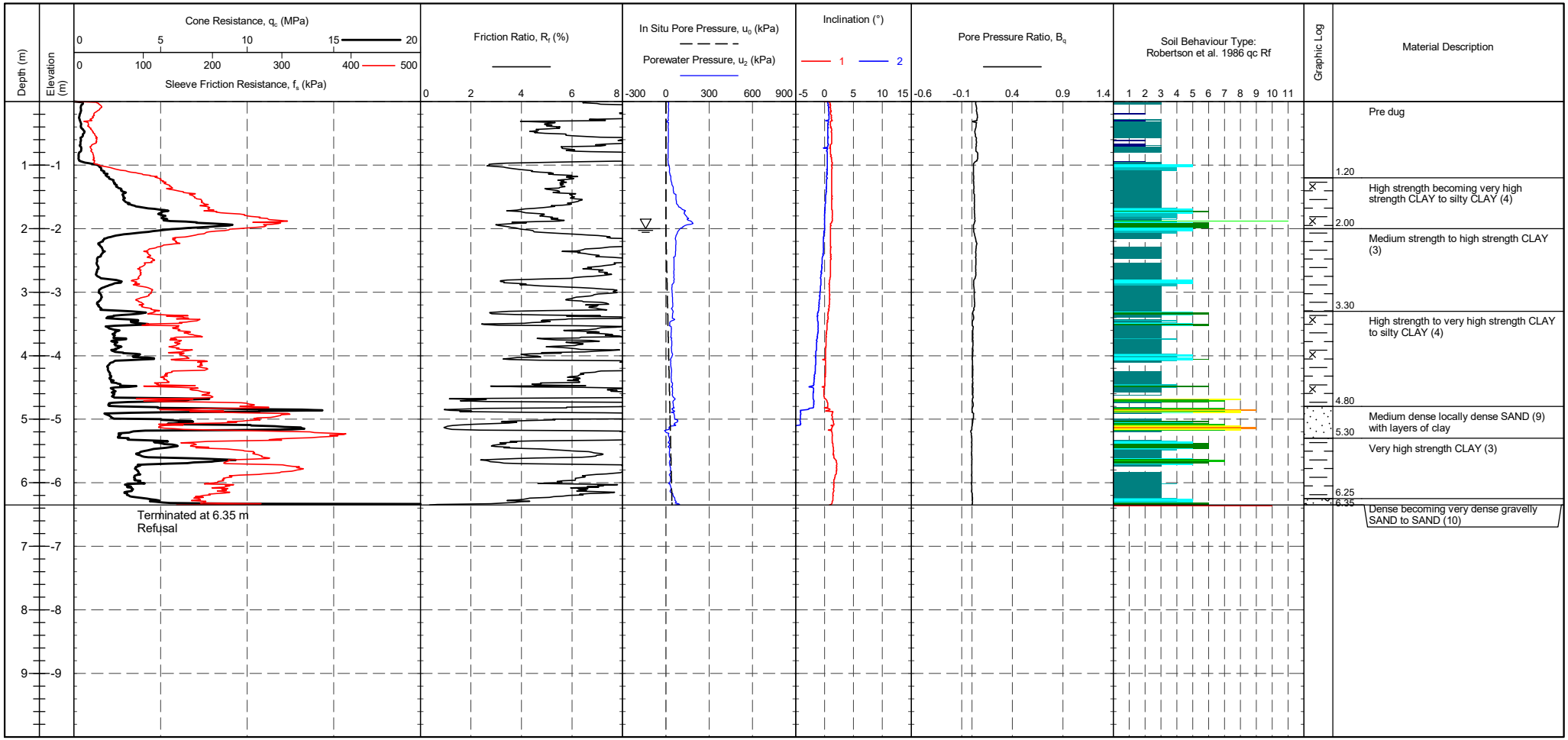
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 29

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post
CONE AREA RATIO	: 0.79	RIG	: CPT 007	Tip	305 mV	304 mV
FILTER POSITION	: u2	OPERATOR	: RS & PB	Sleeve	281 mV	280 mV
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 29	Pore Pressure 2	223 mV	240 mV
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2466 mV	2429 mV

Difference
-0.011 MPa
-0.001 kPa
0.005 kPa

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

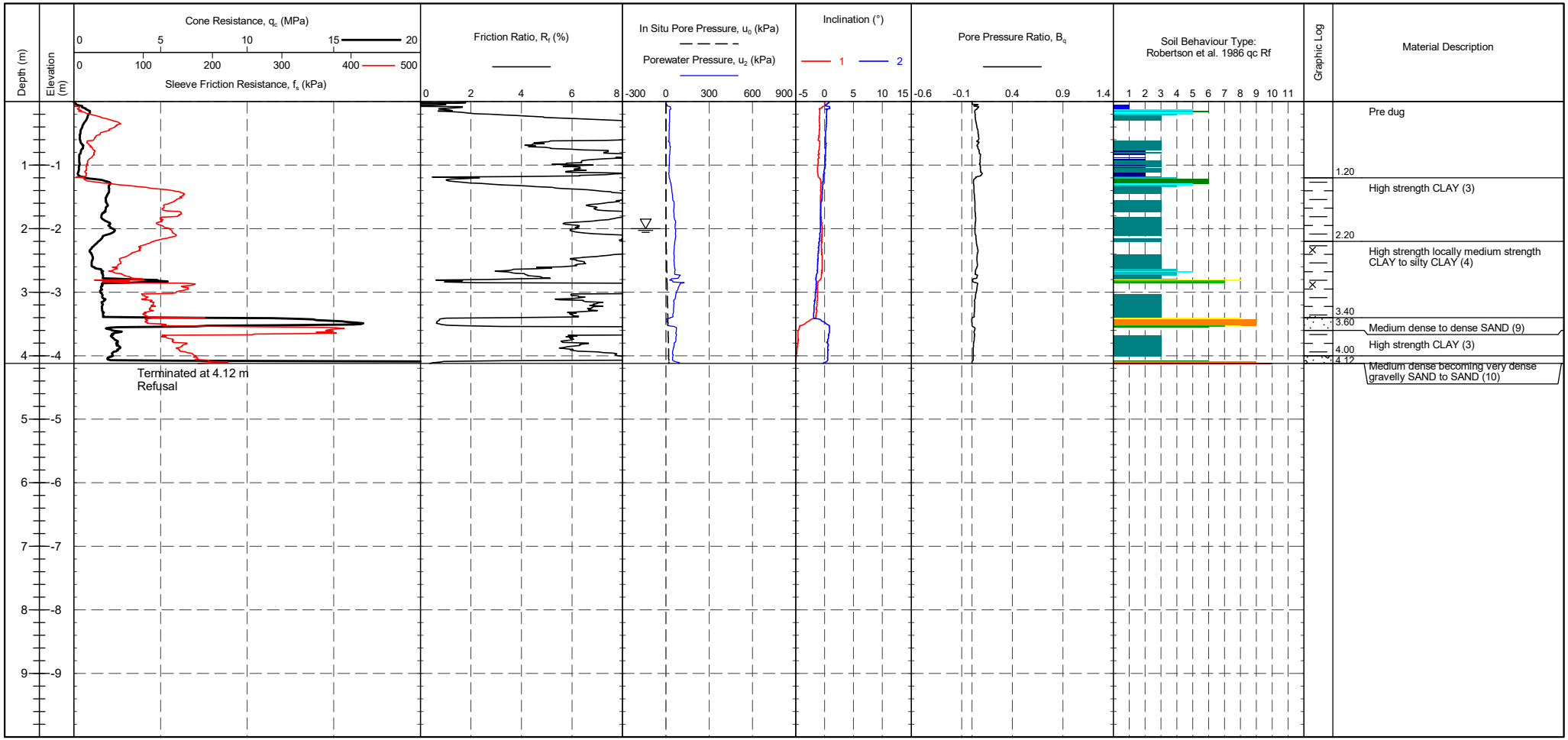
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 30

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 30	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	304 mV	307 mV	0.033 MPa
Sleeve	280 mV	283 mV	0.002 kPa
Pore Pressure 2	231 mV	234 mV	0.001 kPa
X-Y Inclinometer	2437 mV	2466 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

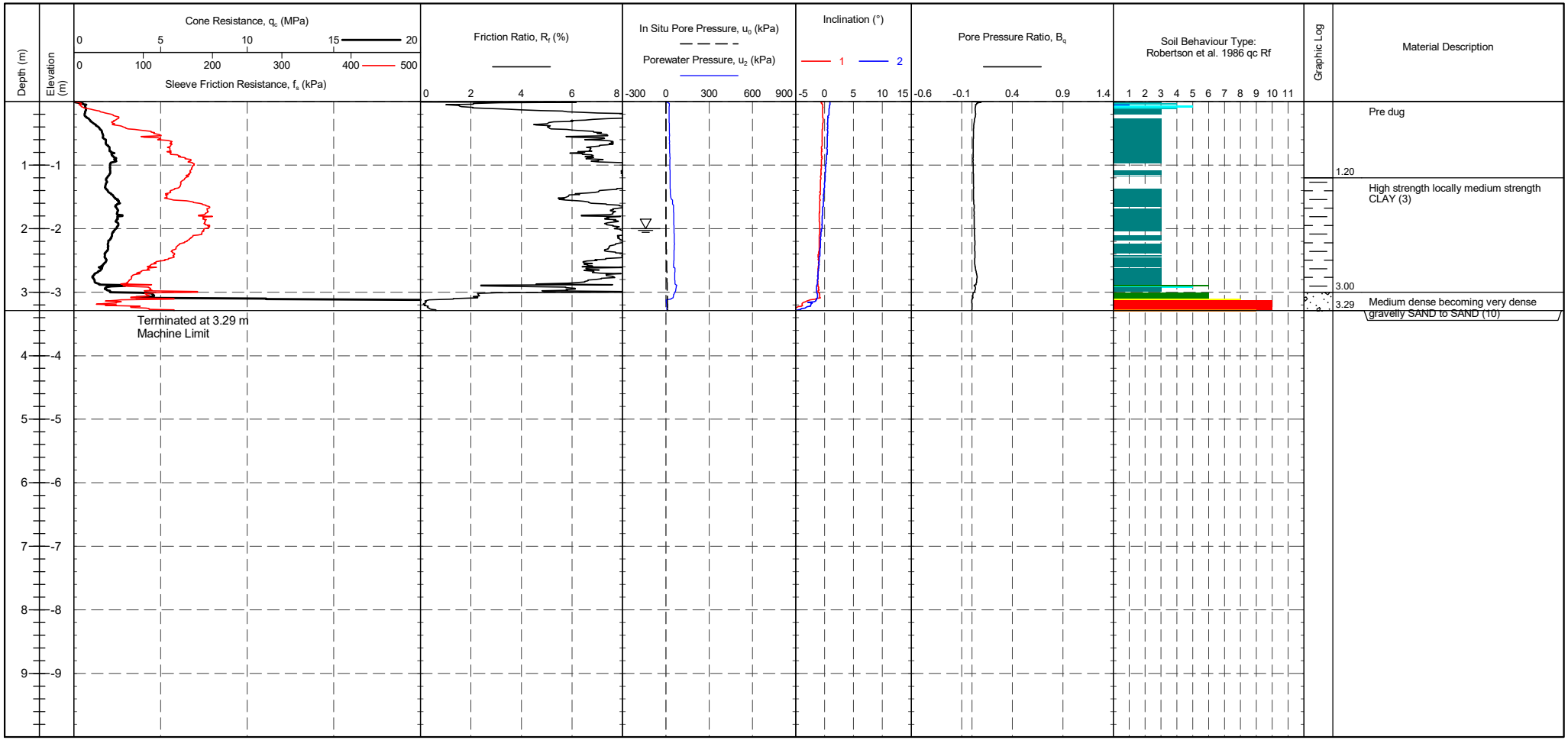
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	309 mV	0.044 MPa
Sleeve	282 mV	285 mV	0.002 kPa
Pore Pressure 2	228 mV	230 mV	0.001 kPa
X-Y Inclinometer	2432 mV	2438 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

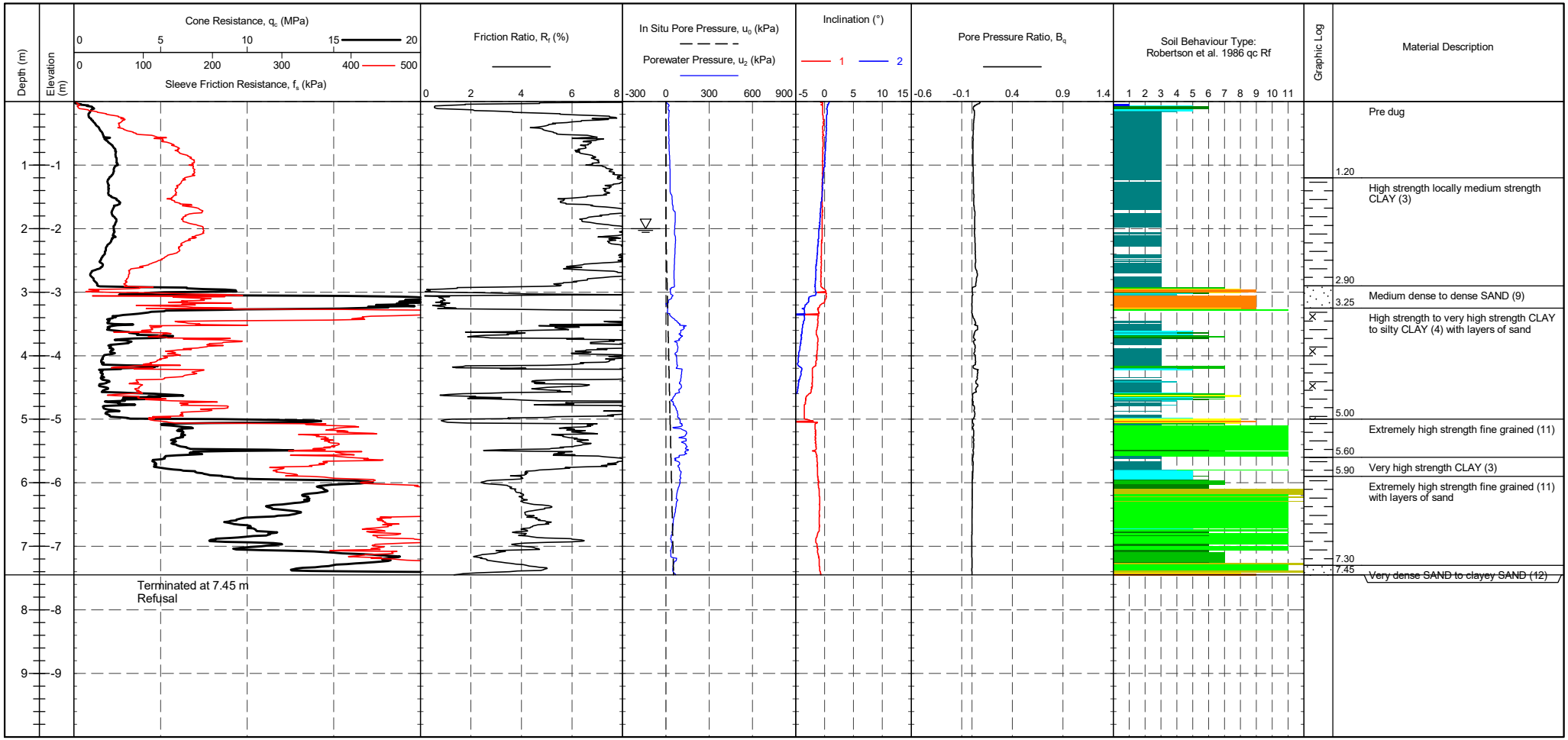
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31A

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31A		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	308 mV	305 mV	-0.033 MPa
Sleeve	284 mV	281 mV	-0.002 kPa
Pore Pressure 2	229 mV	211 mV	-0.005 kPa
X-Y Inclinometer	2439 mV	2453 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

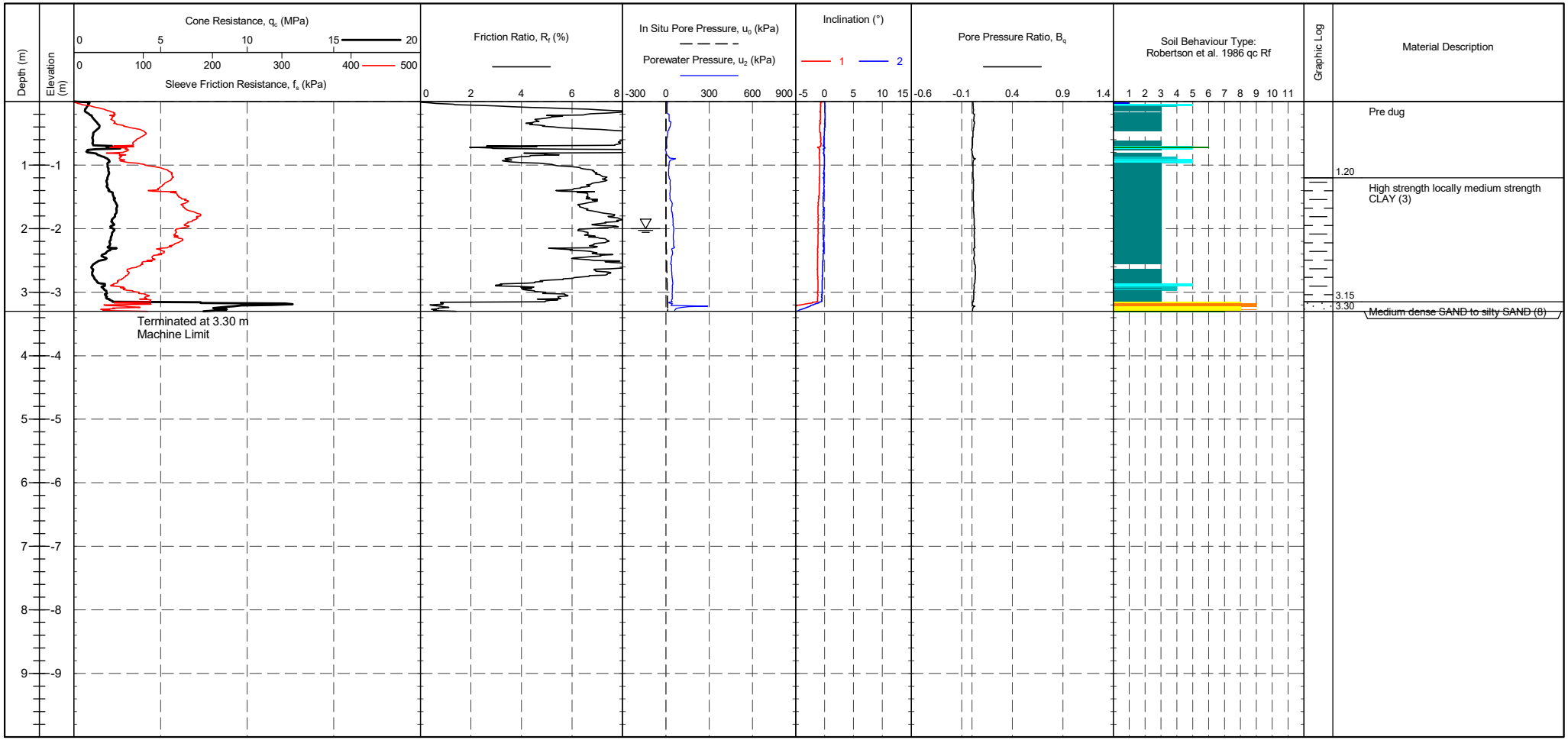
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31B		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	309 mV	312 mV	0.033 MPa
Sleeve	270 mV	273 mV	0.002 kPa
Pore Pressure 2	237 mV	282 mV	0.013 kPa
X-Y Inclinometer	2466 mV	2413 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

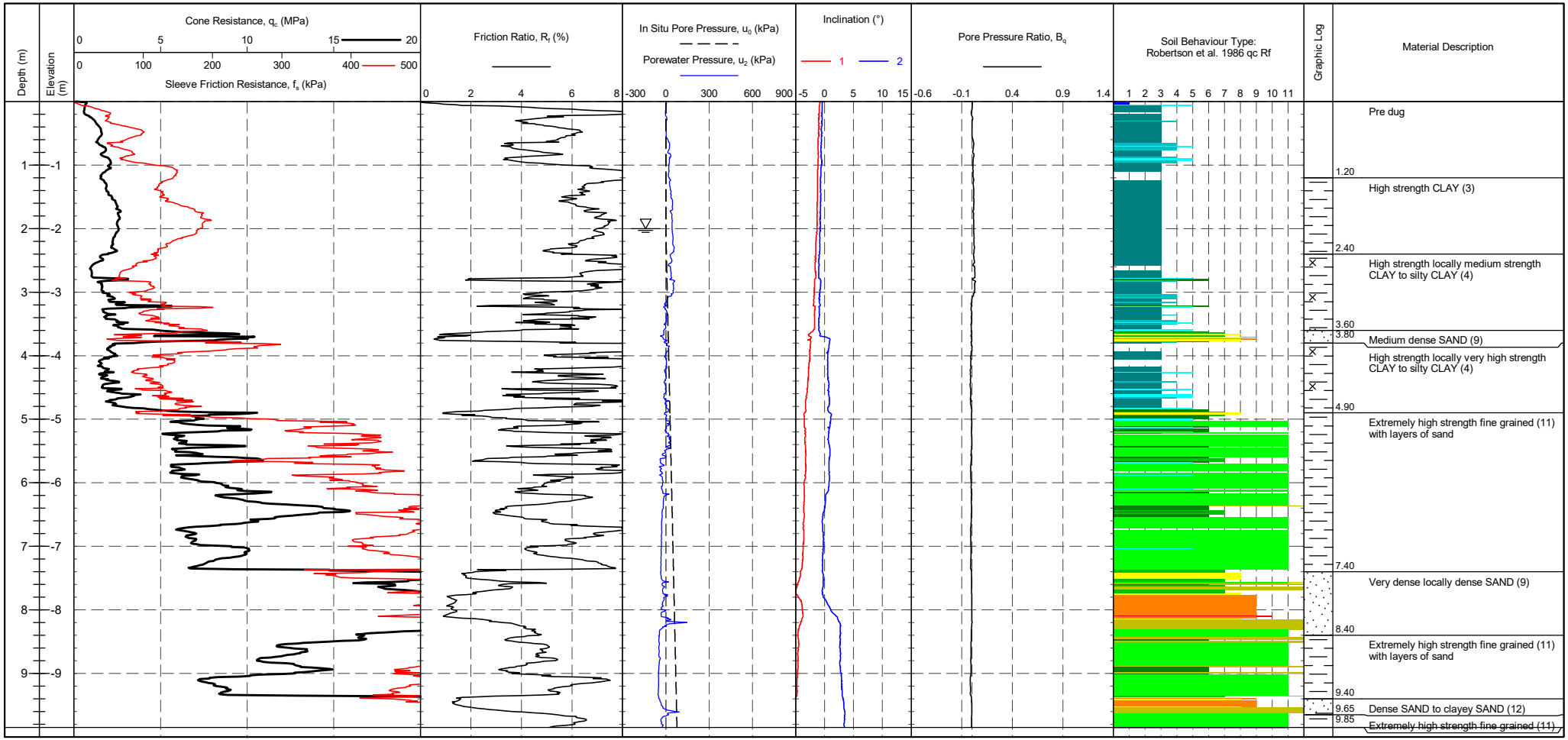
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	311 mV	308 mV	-0.033 MPa
Sleeve	273 mV	264 mV	-0.006 kPa
Pore Pressure 2	266 mV	99 mV	-0.047 kPa
X-Y Inclinometer	2405 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

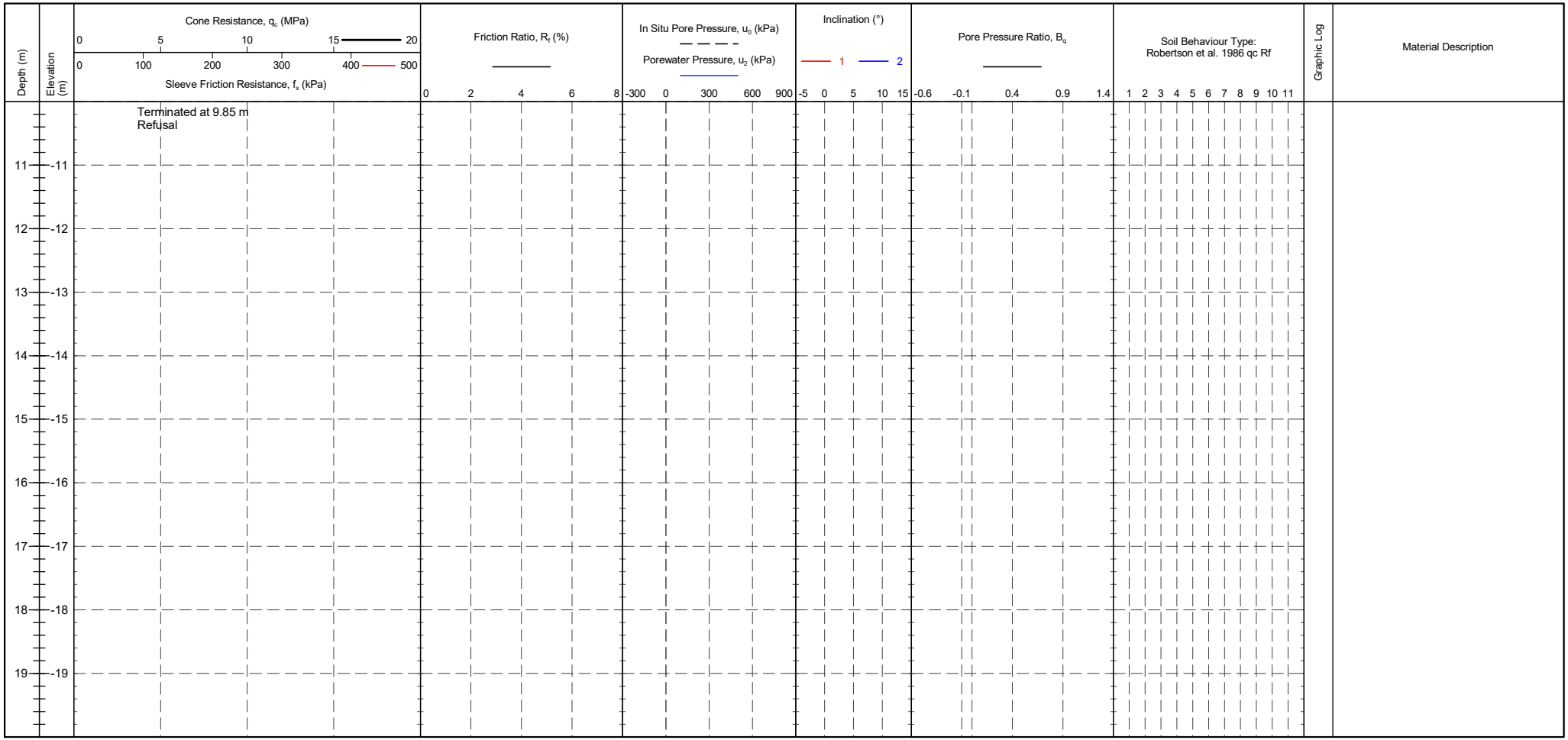
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 31C

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on sleeve friction.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 31C	
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild	

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	311 mV	308 mV	-0.033 MPa
Sleeve	273 mV	264 mV	-0.006 kPa
Pore Pressure 2	266 mV	99 mV	-0.047 kPa
X-Y Inclinometer	2405 mV	2420 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

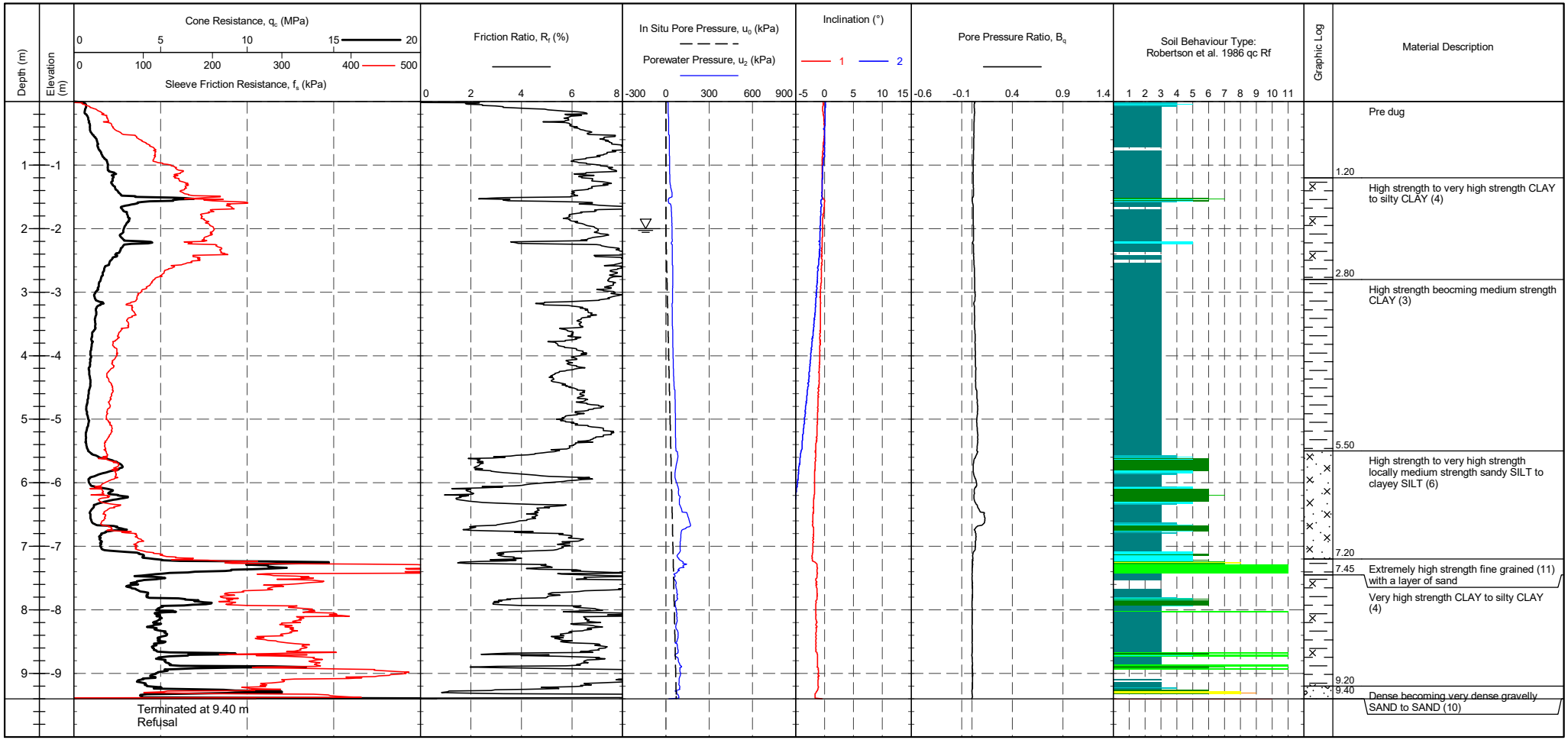
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID : S15-CFIP.1488	TEST TYPE : TE2	CPTU ZERO VALUES		
CONE AREA : 15cm²	APPLICATION CLASS : 2	Transducer	Pre	Post	Difference
CONE AREA RATIO : 0.79	RIG : CPT 007	Tip	304 mV	310 mV	0.066 MPa
FILTER POSITION : u2	OPERATOR : RS & PB	Sleeve	267 mV	275 mV	0.006 kPa
FILTER TYPE : HDPE	FILE NAME : 1170315-CPT 32	Pore Pressure 2	234 mV	300 mV	0.019 kPa
FRICTION REDUCER : None	WEATHER : Overcast & Mild	X-Y Inclinometer	2439 mV	2437 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

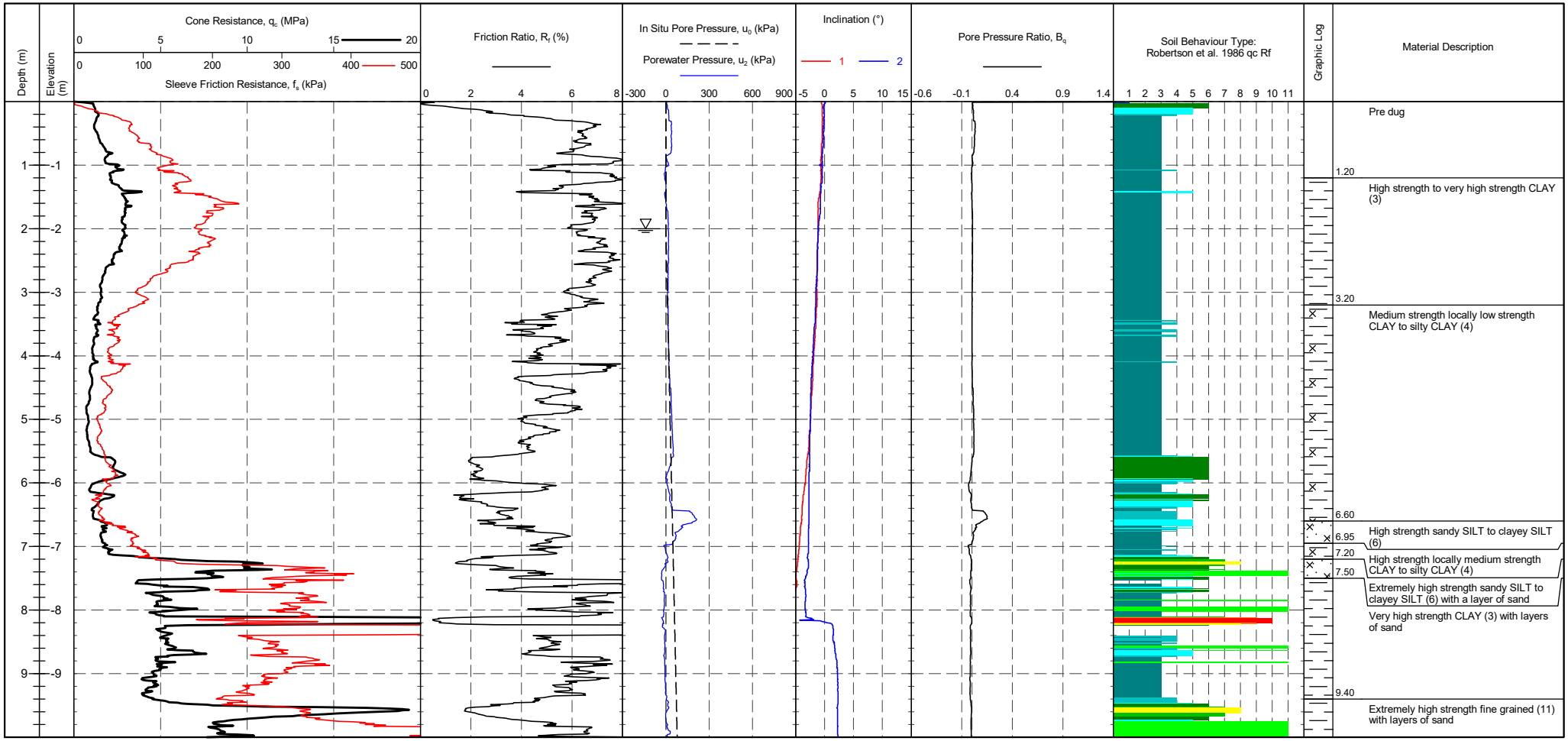
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer	309 mV	307 mV	-0.022 MPa
Tip	266 mV	268 mV	0.001 kPa
Sleeve	170 mV	234 mV	0.018 kPa
Pore Pressure 2	2408 mV	2483 mV	
X-Y Inclinometer			

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

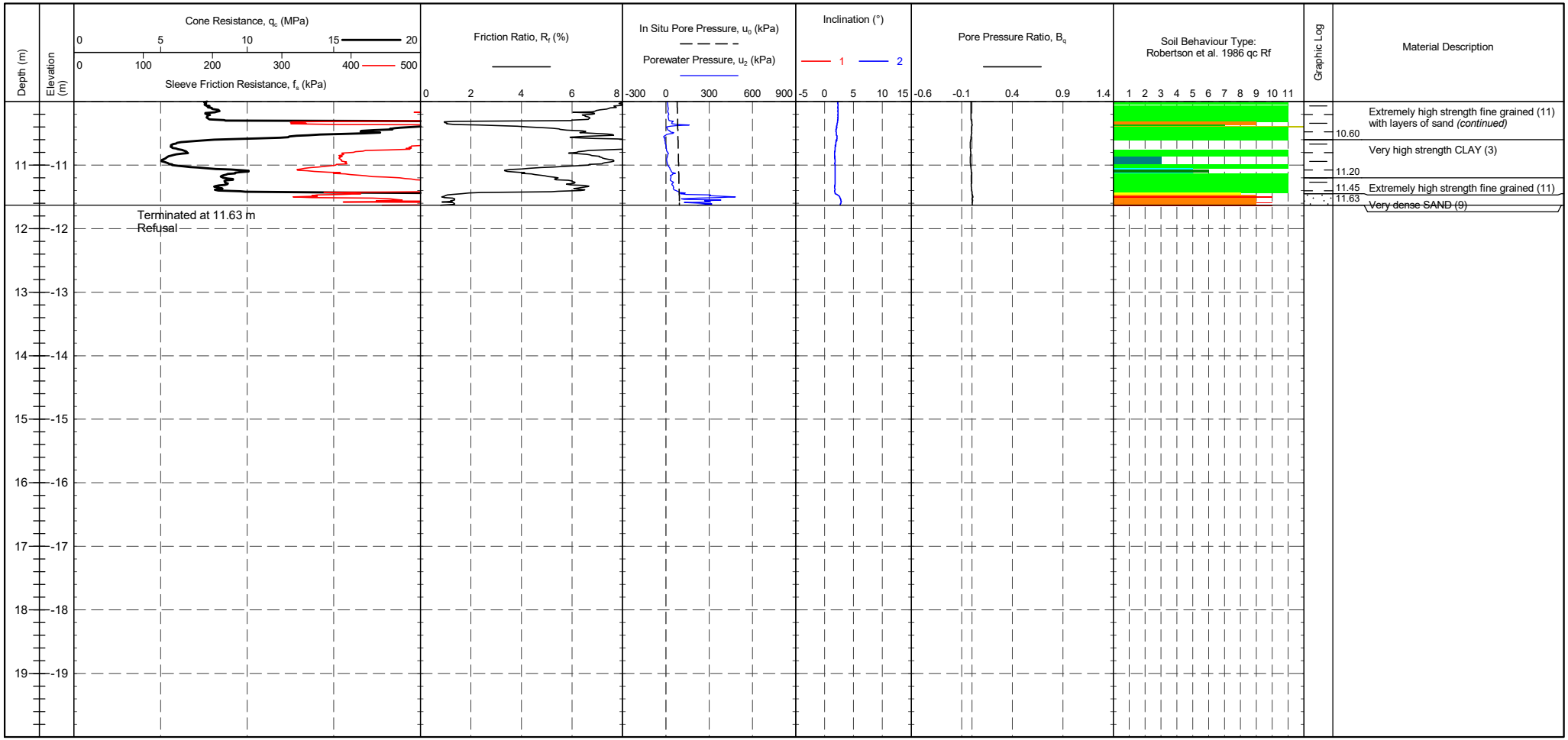
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 32B

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 07/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 007		
FILTER POSITION	: u2	OPERATOR	: RS & PB		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 32B		
FRICTION REDUCER	: None	WEATHER	: Sunny & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	309 mV	307 mV	-0.022 MPa
Sleeve	266 mV	268 mV	0.001 kPa
Pore Pressure 2	170 mV	234 mV	0.018 kPa
X-Y Inclinometer	2408 mV	2483 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

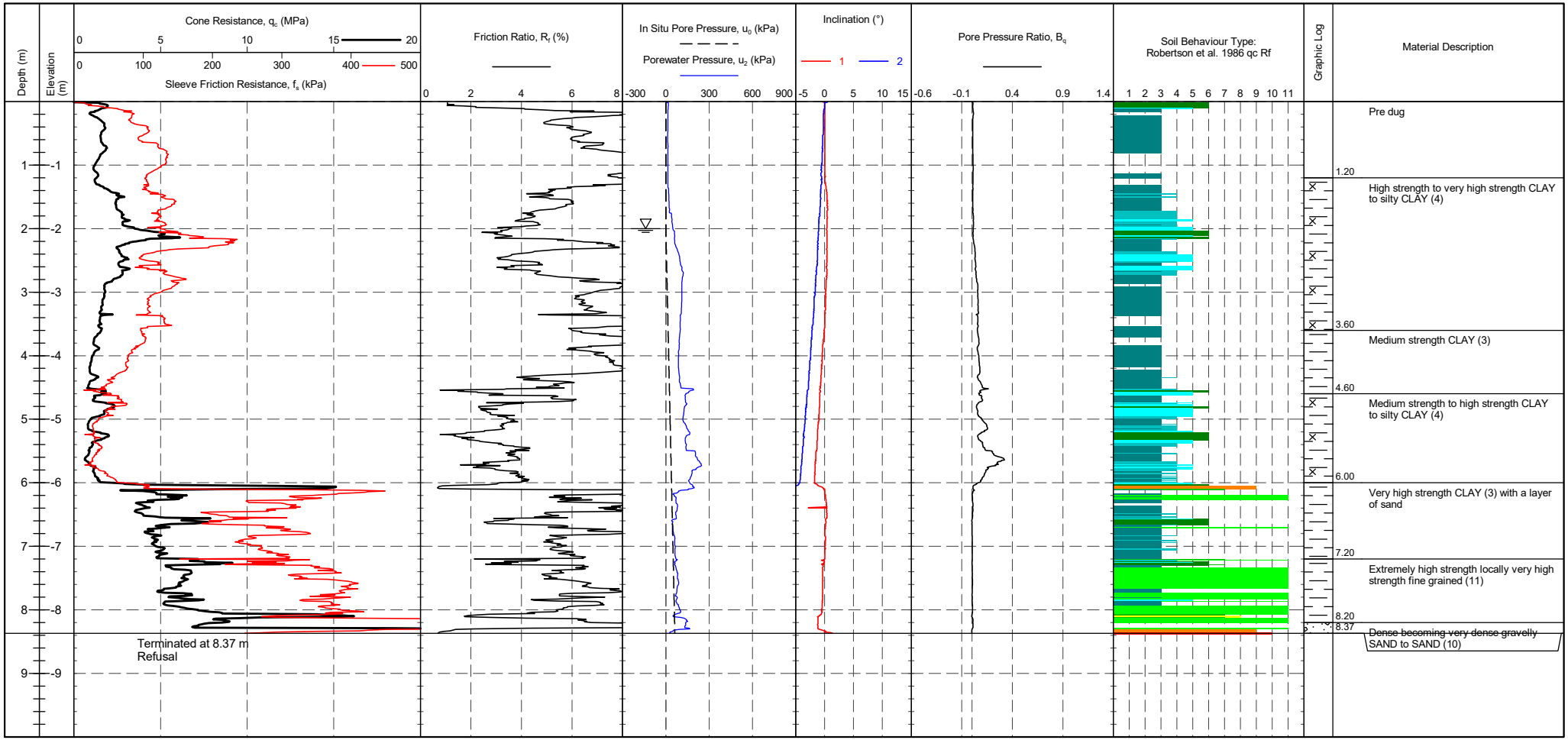
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 33

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 03/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 10/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1488	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 007	
FILTER POSITION	: u2	OPERATOR	: RS & PB	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 33	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	305 mV	305 mV	0 MPa
Sleeve	282 mV	268 mV	-0.01 kPa
Pore Pressure 2	225 mV	259 mV	0.01 kPa
X-Y Inclinometer	2530 mV	2436 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

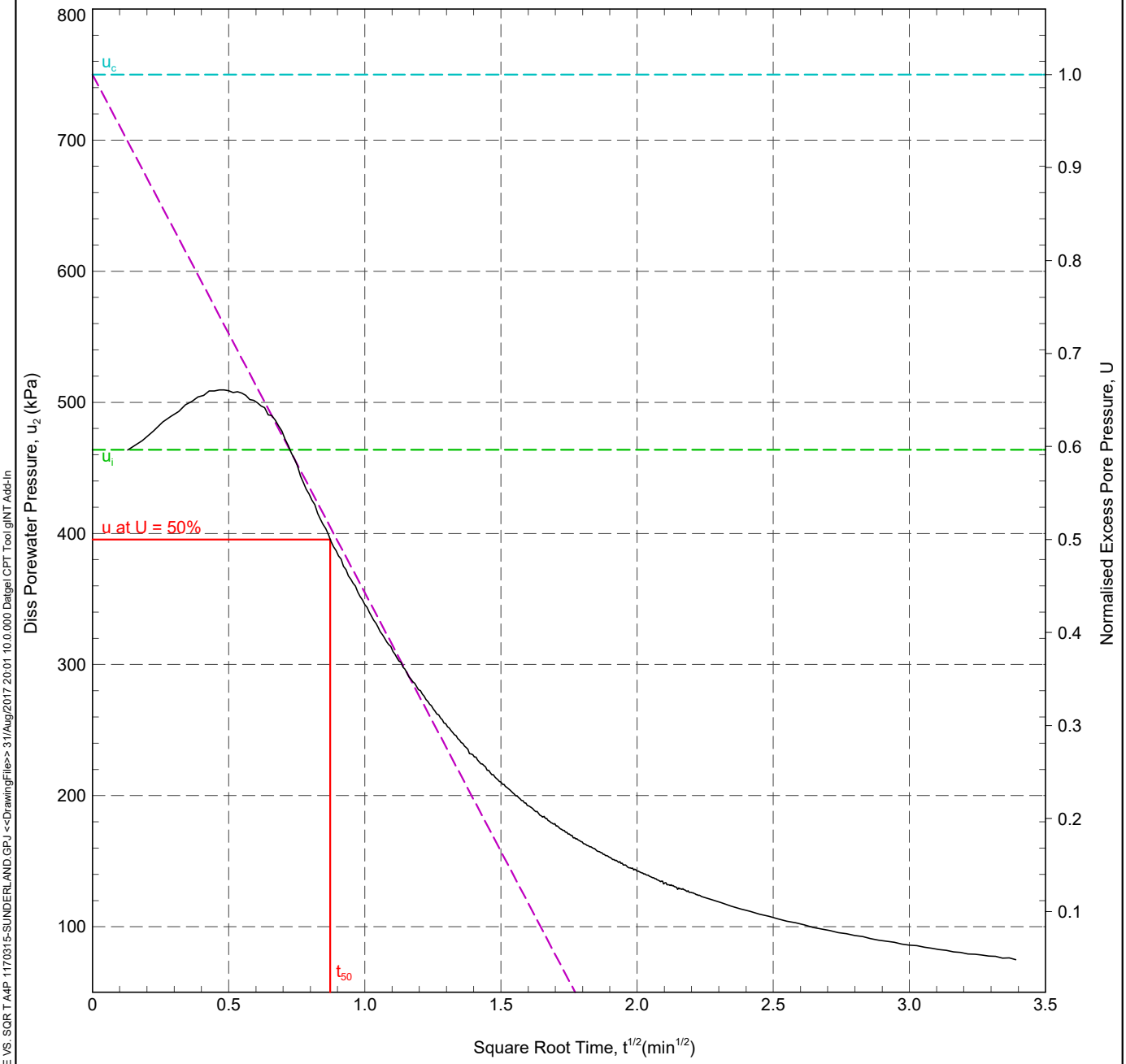
Dissipation Test

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 08 - 6.15 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 30/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	40.7 kPa	Rigidity Index, I_r:	3.4
Initial Pore Pressure, u_i:	463.7 kPa	Horizontal Coefficient of Consolidation, c_h:	$1.01x10^2$ m^2/yr
Final Pore Pressure:	74.9 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	750 kPa	Vertical Coefficient of Consolidation, c_v:	$3.36x10^1$ m^2/yr
Degree of Dissipation:	50%		
Dissipation Pressure:	395.2 kPa		
Time for 50% Dissipation, t_{50}:	0.76 min		

RIG	: CPT 003	ANALYSED BY	: LD	DATE:	31/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	31/08/2017
CONE ID	: S15-CFIP.1459	APPROVED BY	: DW	DATE:	31/08/2017
OPERATOR	: AL & AE				

REMARK
Test OK.

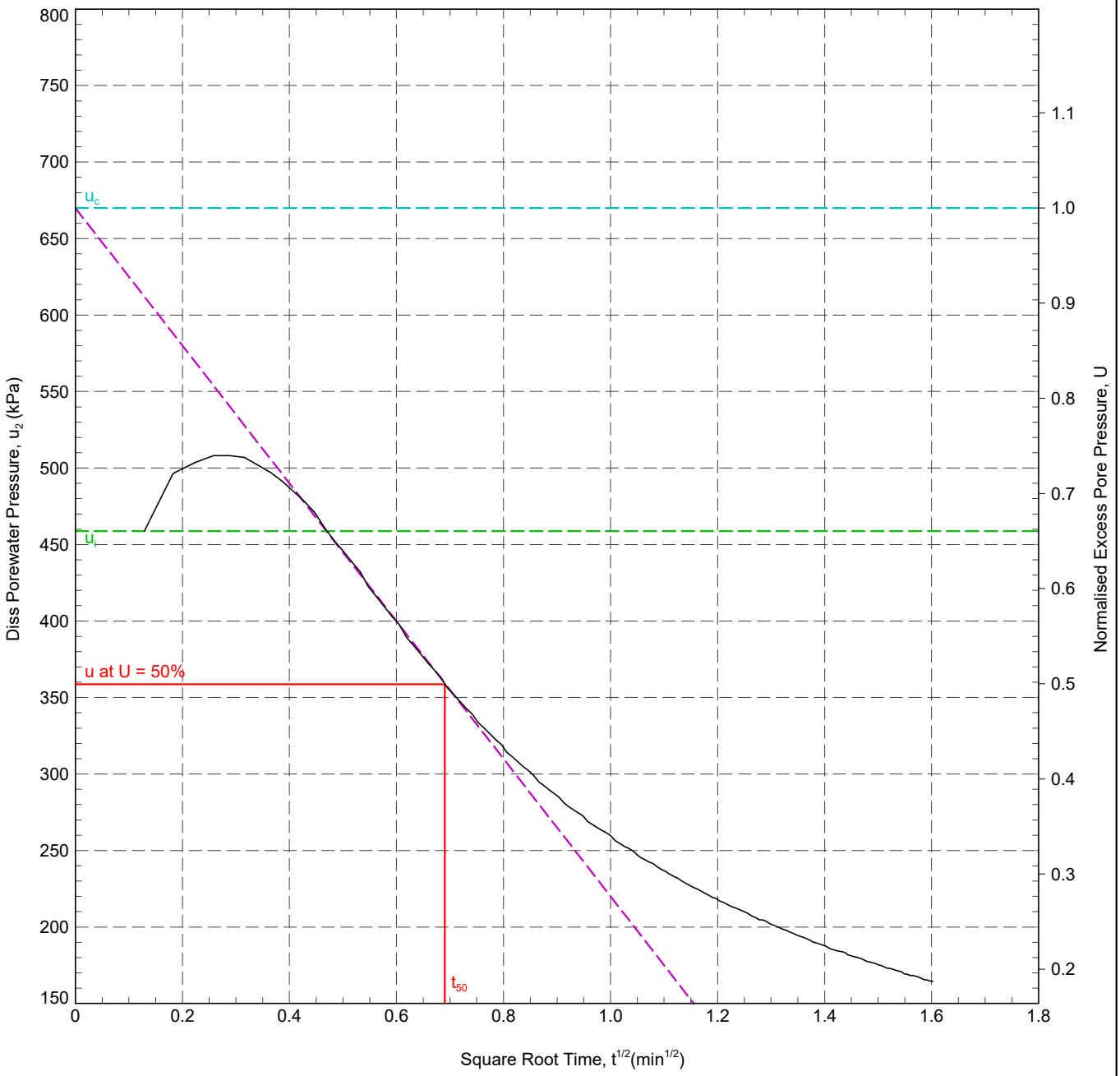
INSITUSI 1.01.0.LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 31/Aug/2017 20:01 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 08 - 6.89 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 30/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	48.0 kPa	Rigidity Index, I_r:	6.3
Initial Pore Pressure, u_i:	458.8 kPa	Horizontal Coefficient of Consolidation, c_h:	2.19×10^2 m²/yr
Final Pore Pressure:	164.5 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	670 kPa	Vertical Coefficient of Consolidation, c_v:	7.31×10^1 m²/yr
Degree of Dissipation:	50%		
Dissipation Pressure:	358.7 kPa		
Time for 50% Dissipation, t_{50}:	0.48 min		

RIG	: CPT 003	ANALYSED BY	: LD	DATE:	31/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	31/08/2017
CONE ID	: S15-CFIP.1459	APPROVED BY	: DW	DATE:	31/08/2017
OPERATOR	: AL & AE				

REMARK
Test OK.

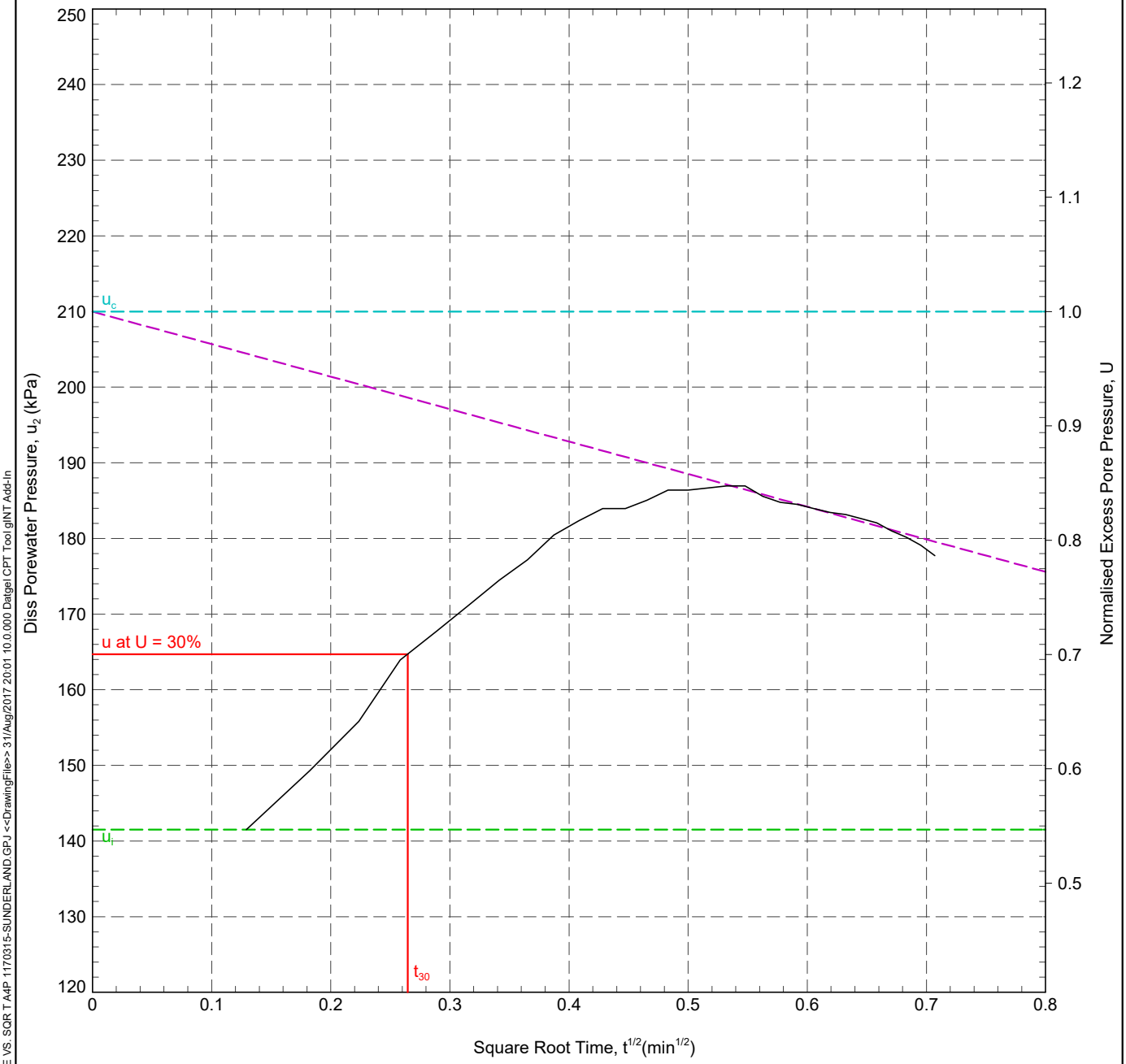
INSITUSI 1.01.0 LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 31/Aug/2017 20:01 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 08 - 8.00 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 30/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	58.9 kPa	Rigidity Index, I_r:	100
Initial Pore Pressure, u_i:	141.5 kPa	Horizontal Coefficient of Consolidation, c_h:	1.90x10^3 m^2/yr
Final Pore Pressure:	177.7 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	210 kPa	Vertical Coefficient of Consolidation, c_v:	6.34x10^2 m^2/yr
Degree of Dissipation:	30%		
Dissipation Pressure:	164.7 kPa		
Time for 30% Dissipation, t_{30}:	0.07 min		

RIG	: CPT 003	ANALYSED BY	: LD	DATE:	31/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	31/08/2017
CONE ID	: S15-CFIP.1459	APPROVED BY	: DW	DATE:	31/08/2017
OPERATOR	: AL & AE				

REMARK
Test OK. T30 used.

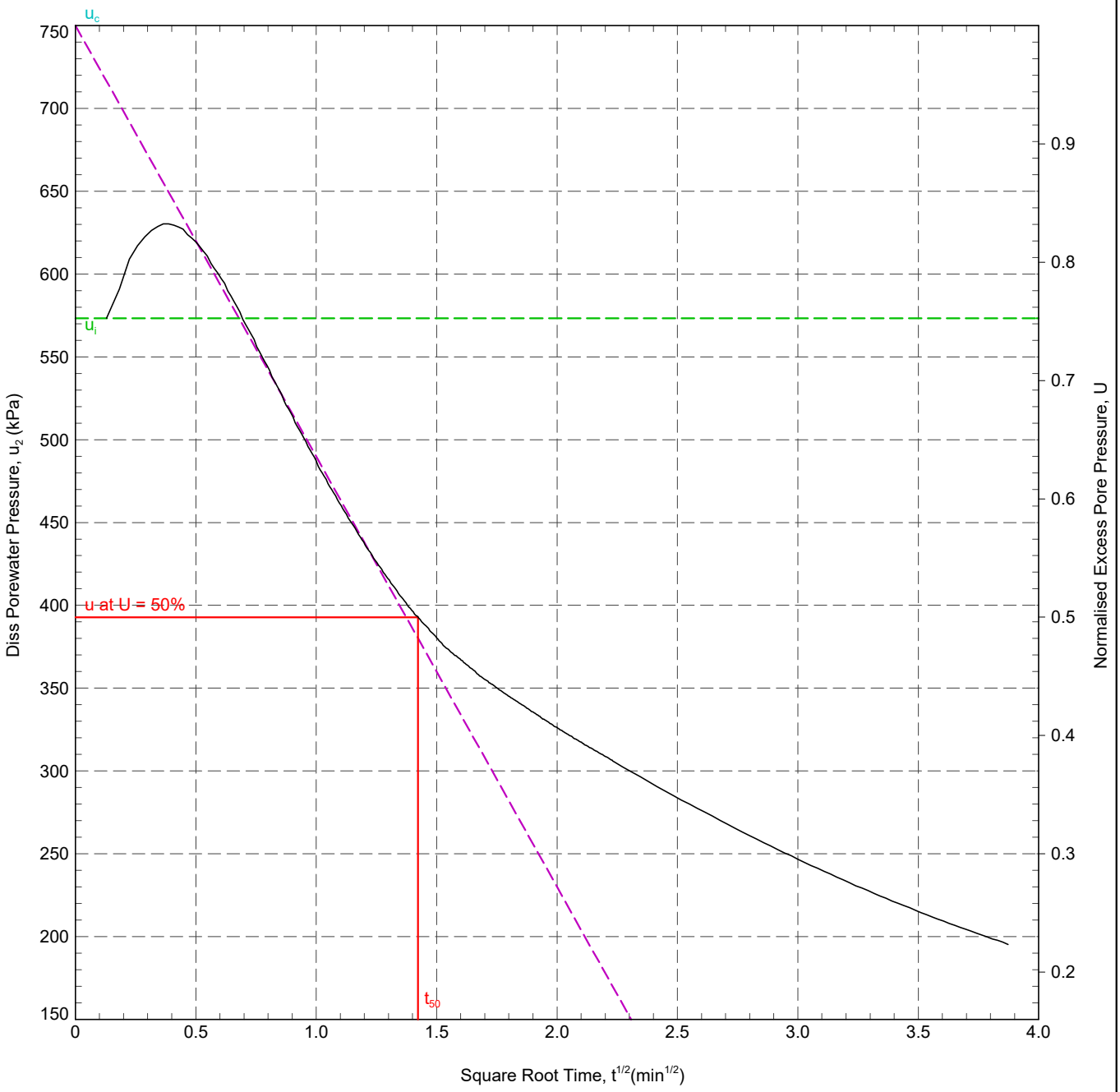
INSITUSI 1.01.0 LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 31/Aug/2017 20:01 10.0.000 Datgel CPT Tool gINT Add-In

IN SITU
SITE INVESTIGATION

DISSIPATION TEST

Test ID
CPT 09 - 5.64 m

CLIENT	: Dunelm Geotechnical	AREA	: Sunderland	SHEET	: 1 OF 1
ENGINEER	: James Huntington	EASTING	:	STATUS	: Final
PROJECT	: Sunderland	NORTHING	:	DATE	: 30/08/17
LOCATION	: Sunderland	COORD. SYS.	:		
PROJECT No.	: 1170315	ELEVATION	: 0.00 m		



In Situ Pore Pressure, u_0:	35.7 kPa	Rigidity Index, I_r:	6.5
Initial Pore Pressure, u_i:	573.2 kPa	Horizontal Coefficient of Consolidation, c_h:	$5.25x10^1$ m^2/yr
Final Pore Pressure:	195.3 kPa	Ratio c_h/c_v:	3
Back Extrapolated Pore Pressure, u_c:	750 kPa	Vertical Coefficient of Consolidation, c_v:	$1.75x10^1$ m^2/yr
Degree of Dissipation:	50%		
Dissipation Pressure:	392.8 kPa		
Time for 50% Dissipation, t_{50}:	2.03 min		

RIG	: CPT 003	ANALYSED BY	: LD	DATE:	31/08/2017
CONE TYPE	: S15-CFIP	CHECKED BY	: LD	DATE:	31/08/2017
CONE ID	: S15-CFIP.1459	APPROVED BY	: DW	DATE:	31/08/2017
OPERATOR	: AL & AE				

REMARK
Test OK.

INSITUSI 1.01.0.LIB.GLB Graph CPT DISS. PORE PRESSURE VS. SQR T A4P 1170315-SUNDERLAND.GPJ <<DrawingFile>> 31/Aug/2017 20:01 10.0.000 Datgel CPT Tool gINT Add-In

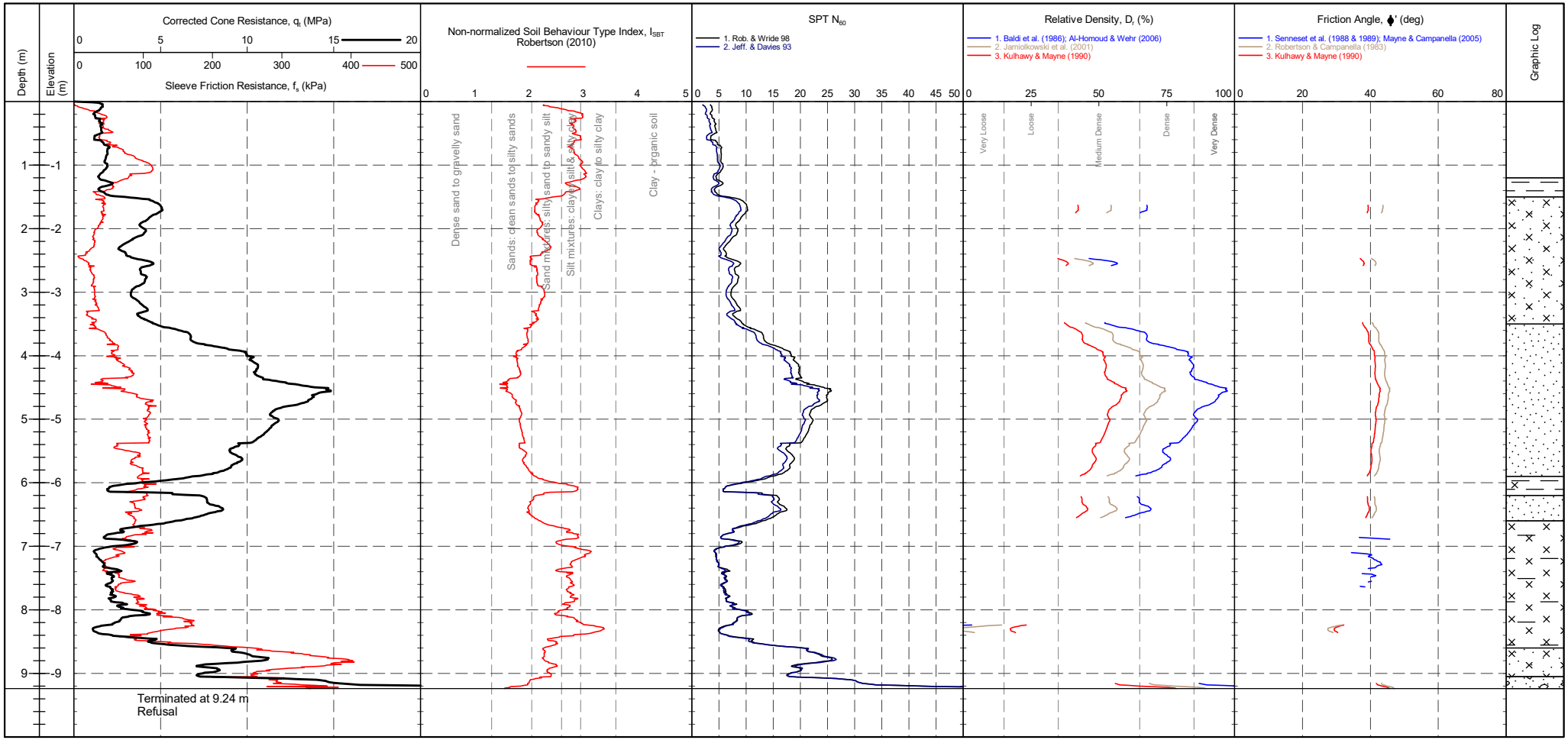
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 08

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	293 mV	292 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	259 mV	258 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	244 mV	256 mV	0.003 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 08	X-Y Inclinometer	2547 mV	2460 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

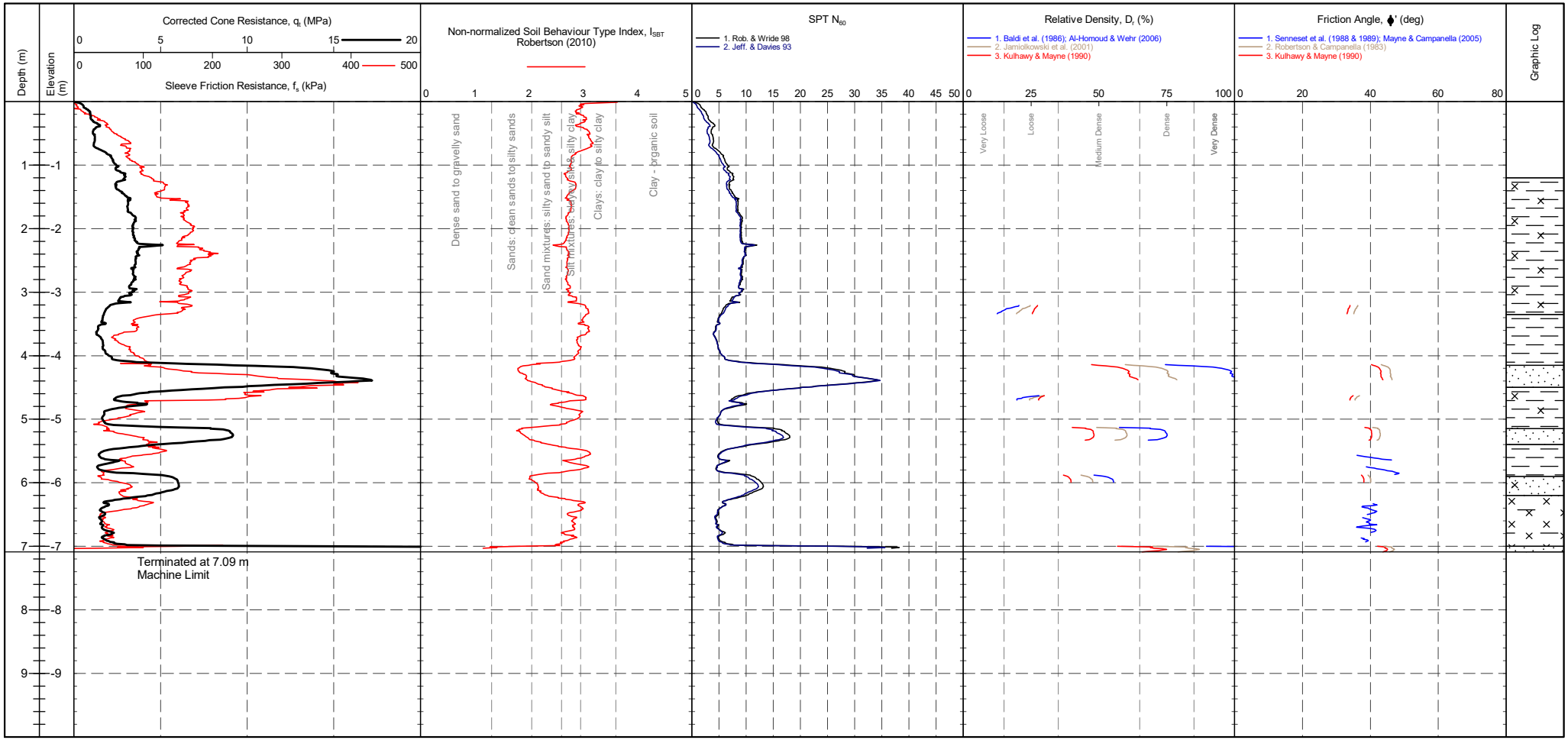
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 09

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Tip	290 mV	294 mV	0.044 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	257 mV	261 mV	0.003 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	251 mV	253 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 09	X-Y Inclinometer	2455 mV	2423 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

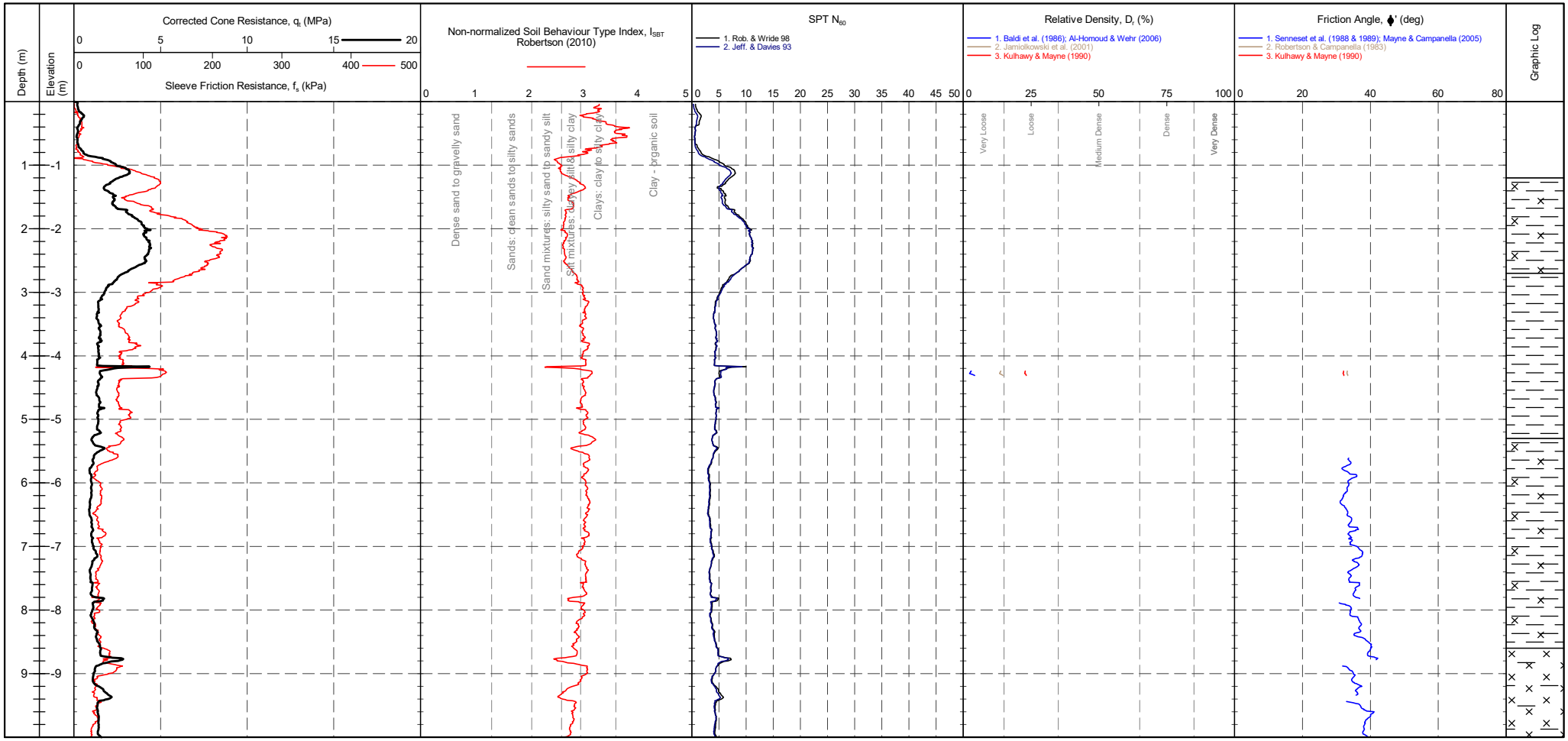
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Tip	293 mV	295 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Sleeve	257 mV	260 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 10	Pore Pressure 2	257 mV	338 mV	0.022 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2379 mV	2511 mV	

Groundwater Level

Dissipation Test

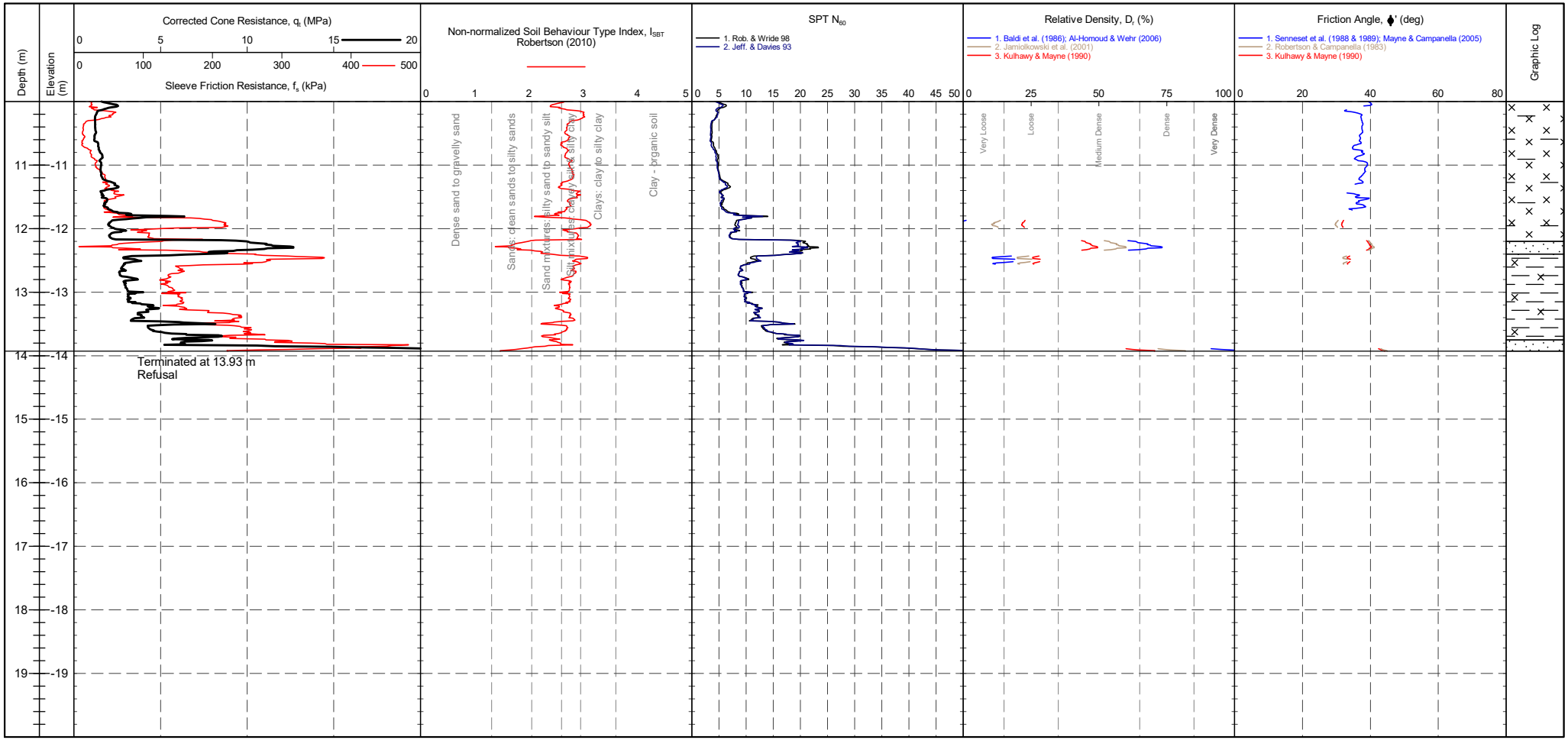
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Tip	293 mV	295 mV	0.022 MPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Sleeve	257 mV	260 mV	0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 10	Pore Pressure 2	257 mV	338 mV	0.022 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2379 mV	2511 mV	

Groundwater Level

Dissipation Test

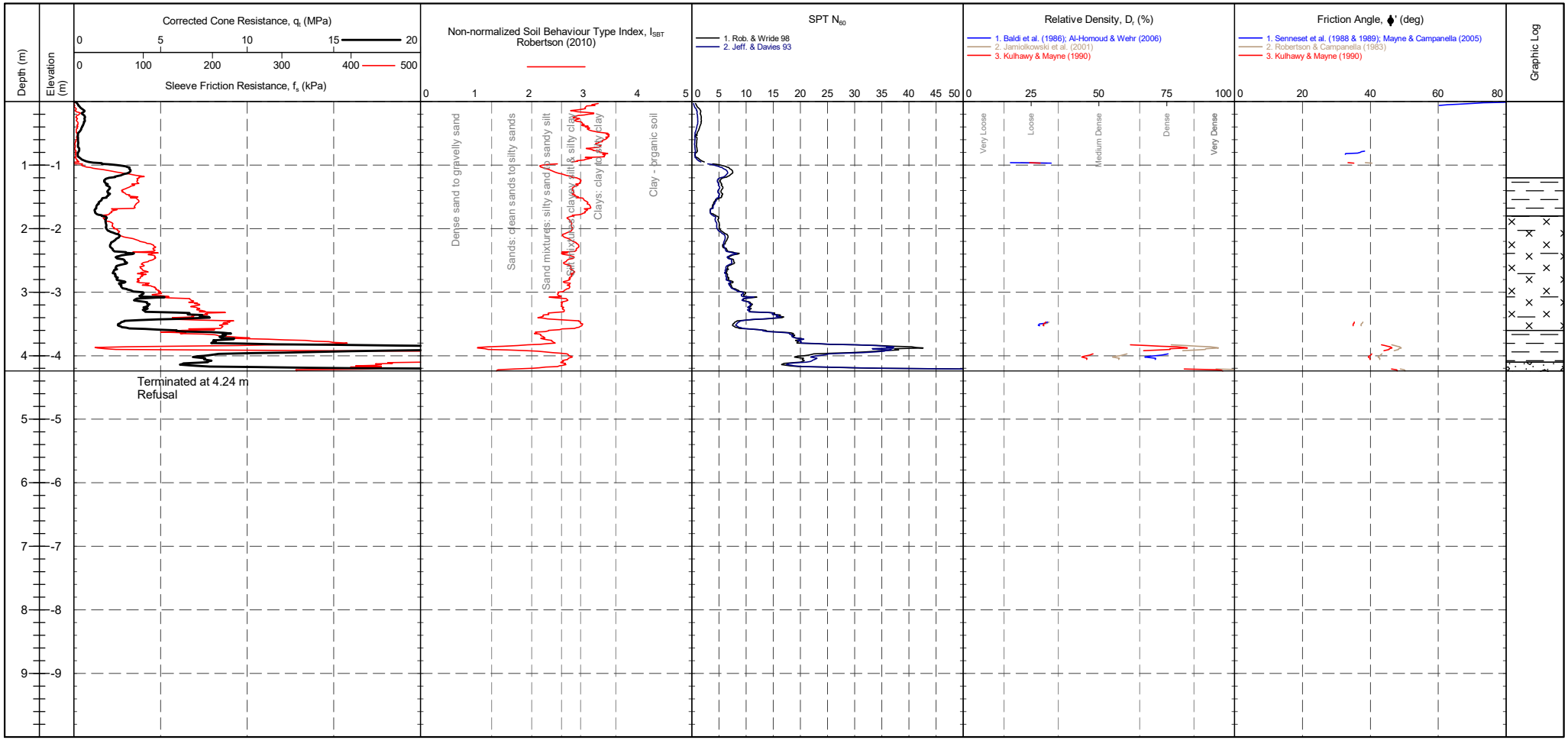
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 13

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Tip	294 mV	294 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Sleeve	266 mV	256 mV / -0.007 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 13	Pore Pressure 2	259 mV	244 mV / -0.004 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2442 mV	2452 mV

Groundwater Level

Dissipation Test

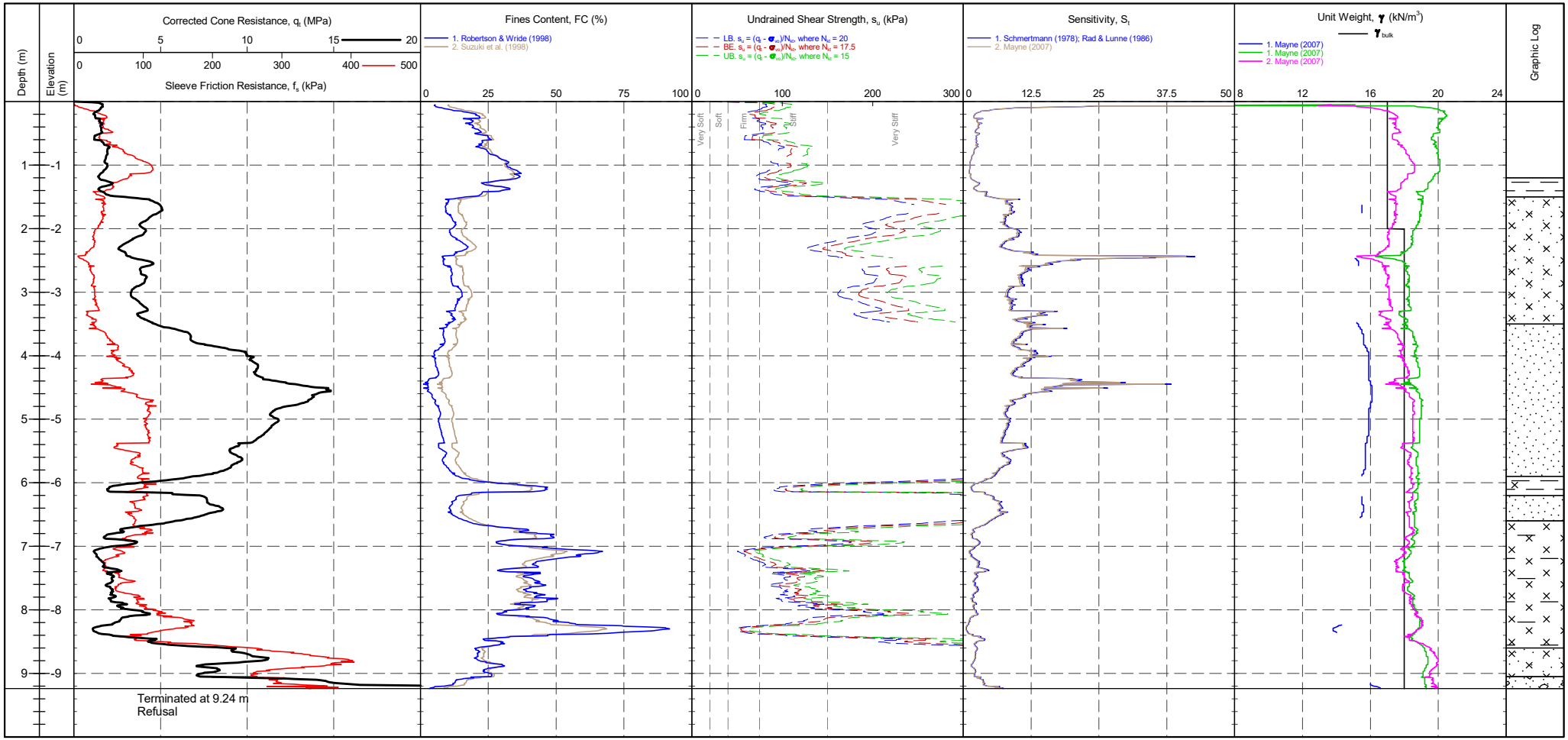
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 08

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	293 mV	292 mV	-0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	259 mV	258 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	244 mV	256 mV	0.003 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 08	X-Y Inclinometer	2547 mV	2460 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

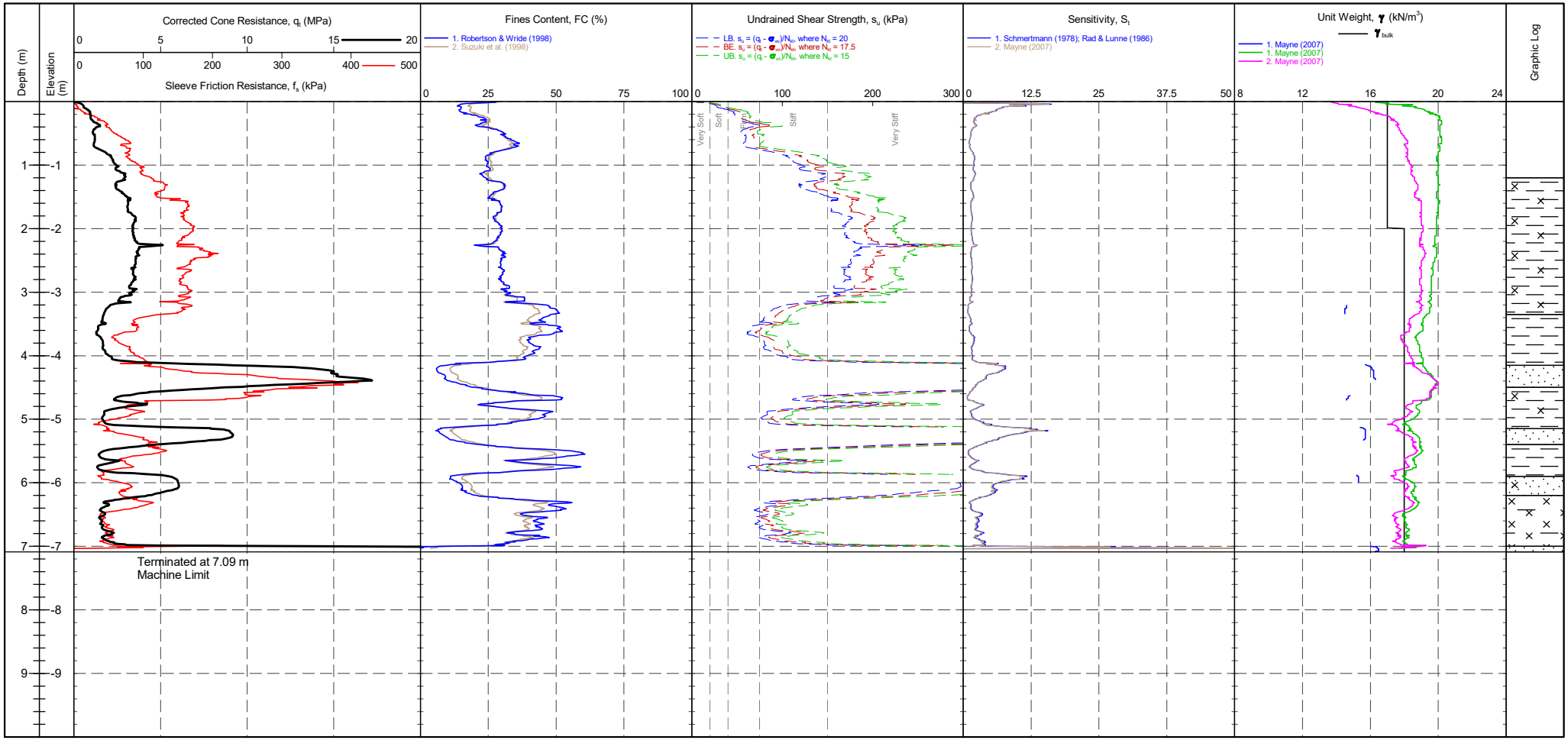
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 09

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Tip	290 mV	294 mV / 0.044 MPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Sleeve	257 mV	261 mV / 0.003 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 09	Pore Pressure 2	251 mV	253 mV / 0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2455 mV	2423 mV

Groundwater Level

Dissipation Test

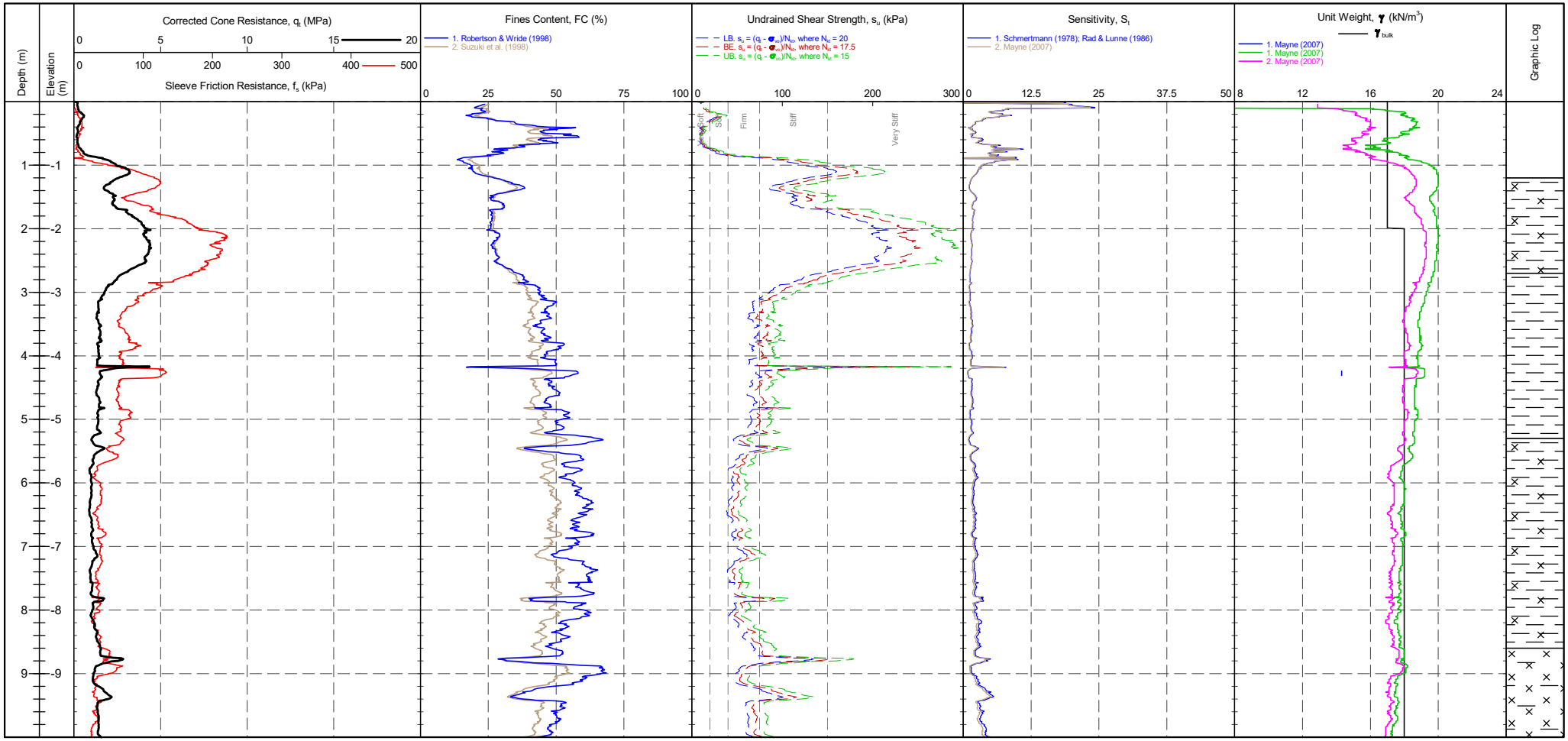
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	293 mV	295 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	257 mV	260 mV	0.002 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	257 mV	338 mV	0.022 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 10	X-Y Inclinometer	2379 mV	2511 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

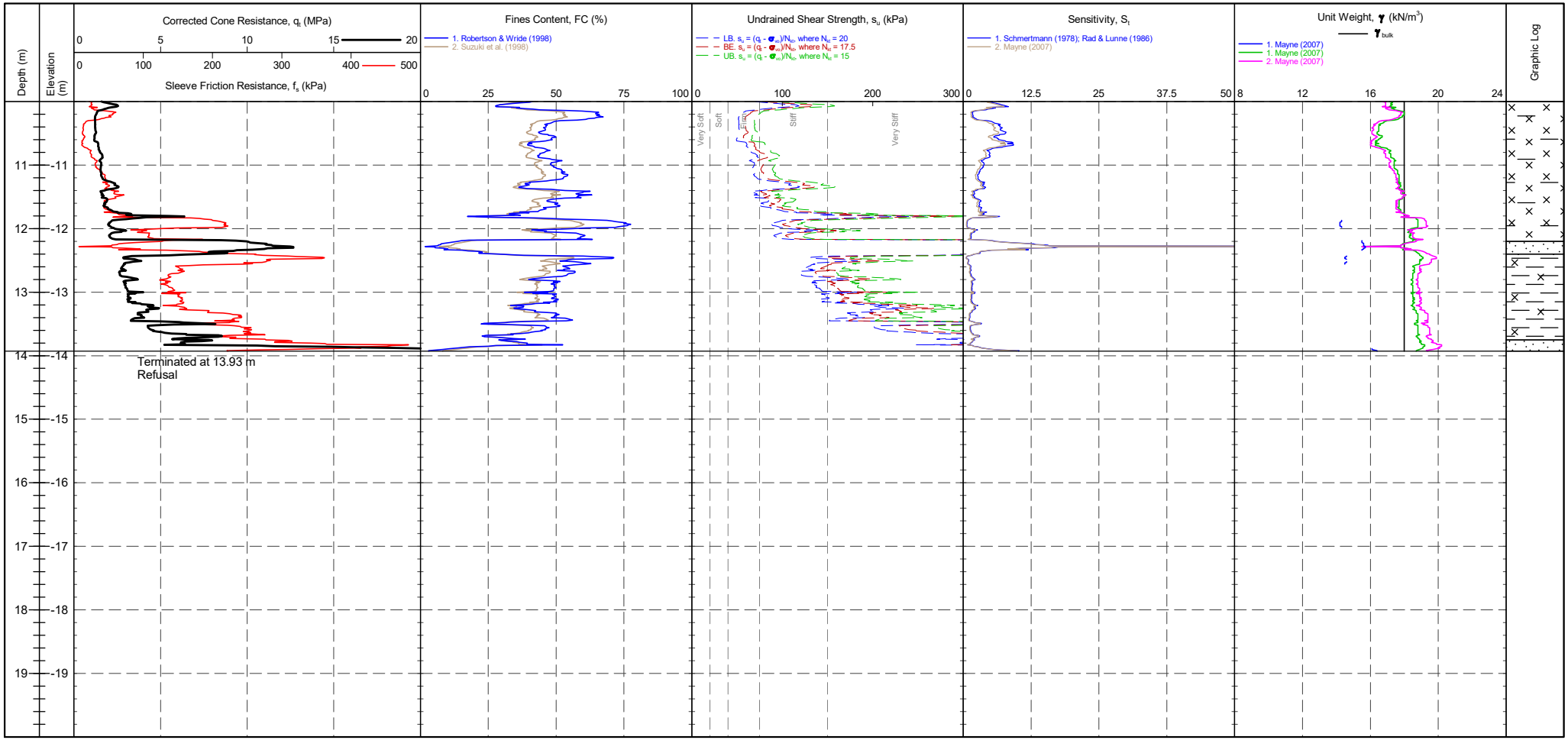
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	293 mV	295 mV	0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	257 mV	260 mV	0.002 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	257 mV	338 mV	0.022 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 10	X-Y Inclinometer	2379 mV	2511 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

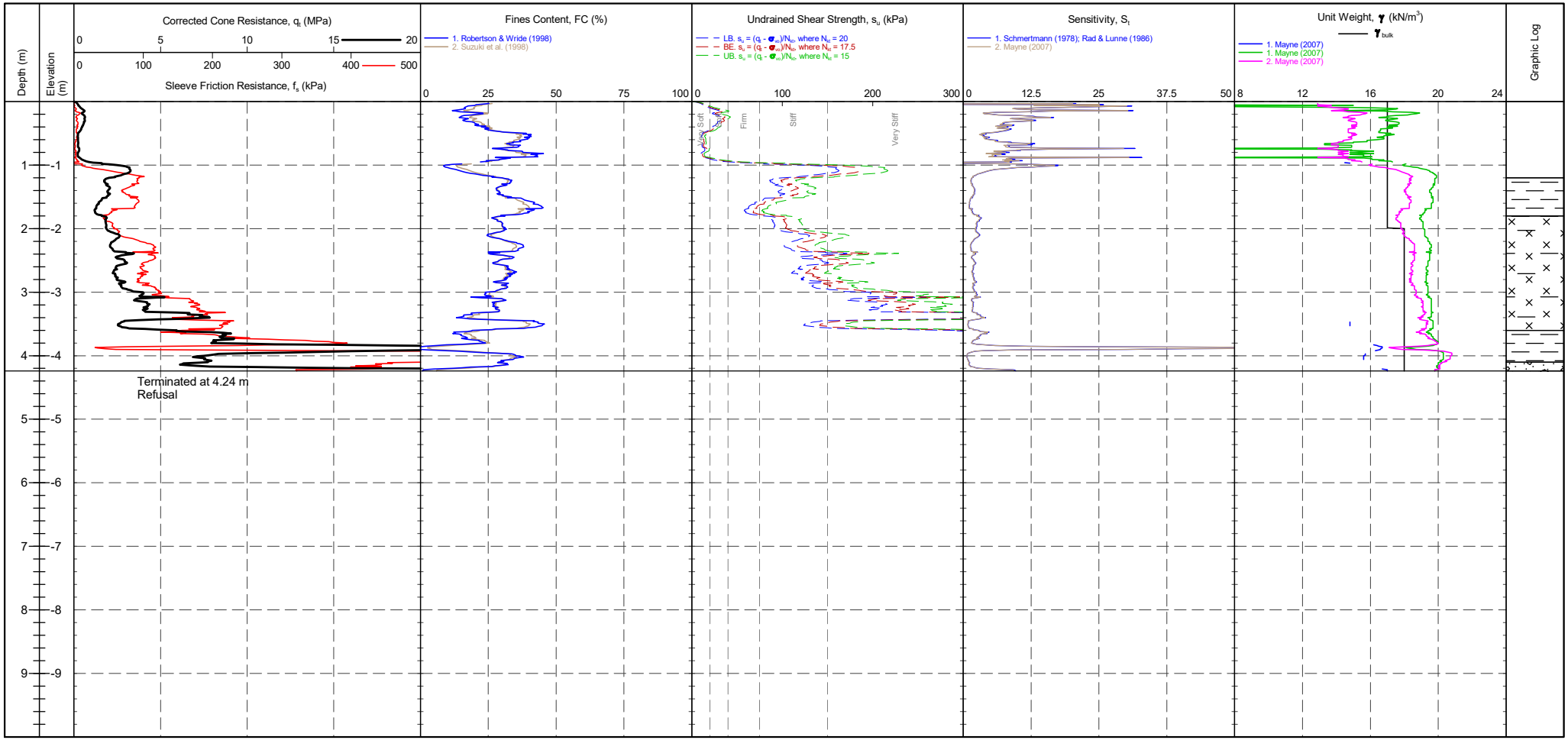
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 13

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	294 mV	294 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Sleeve	266 mV	256 mV	-0.007 kPa
FILTER POSITION	: u2	OPERATOR	: AL & AE	Pore Pressure 2	259 mV	244 mV	-0.004 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 13	X-Y Inclinometer	2442 mV	2452 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

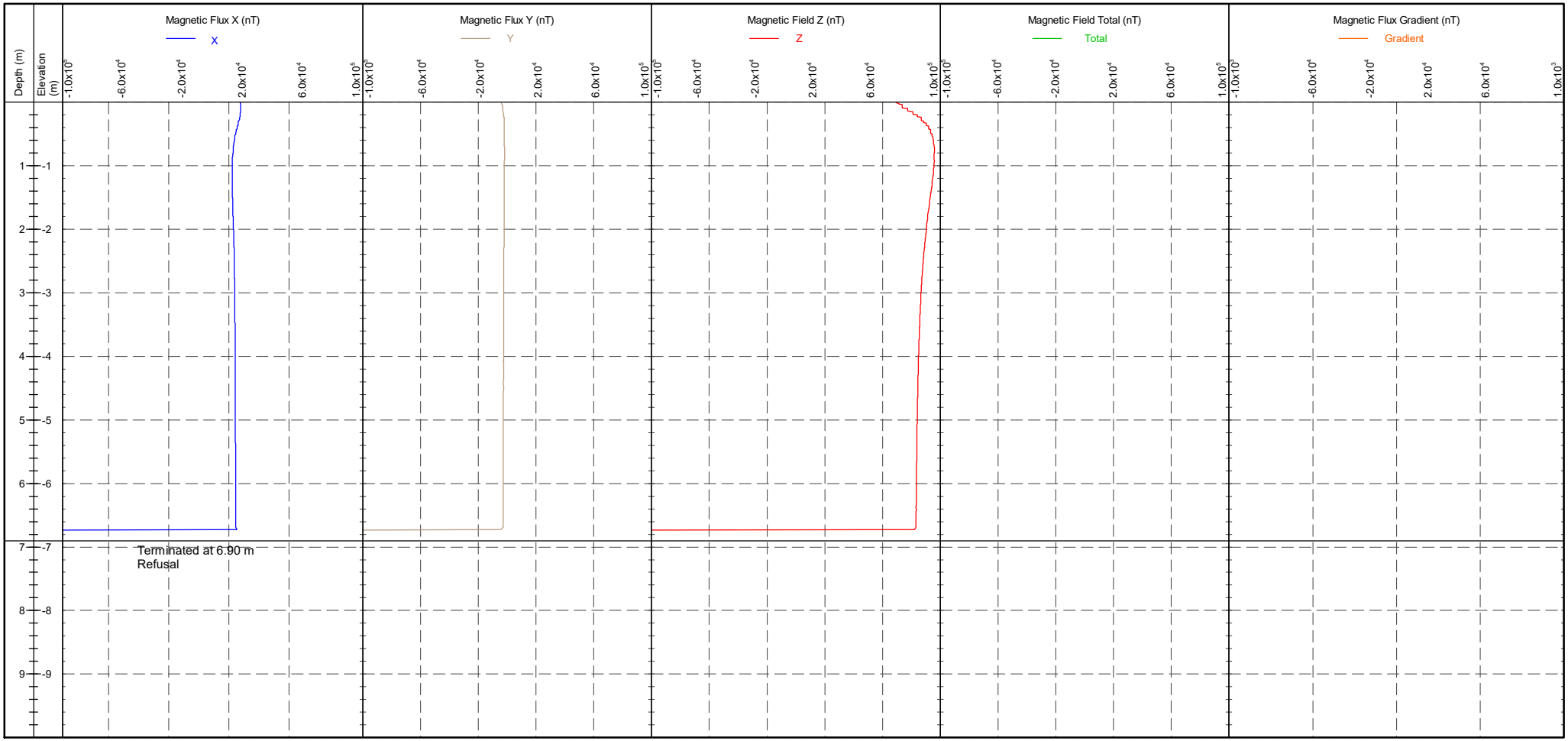
IN SITU SITE INVESTIGATION

Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

PointID

CPT 03

CLIENT : Dunelm Geotechnical	EASTING :		SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :		STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: Magnetometer.1605	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	:	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	:	RIG	: CPT 003	Tip	0 mV	
FILTER POSITION	:	OPERATOR	: AL & AE	Sleeve	0 mV	
FILTER TYPE	: HDPE	FILE NAME	:1170315-CPT 03	Pore Pressure 2	0 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2710 mV	2662 mV

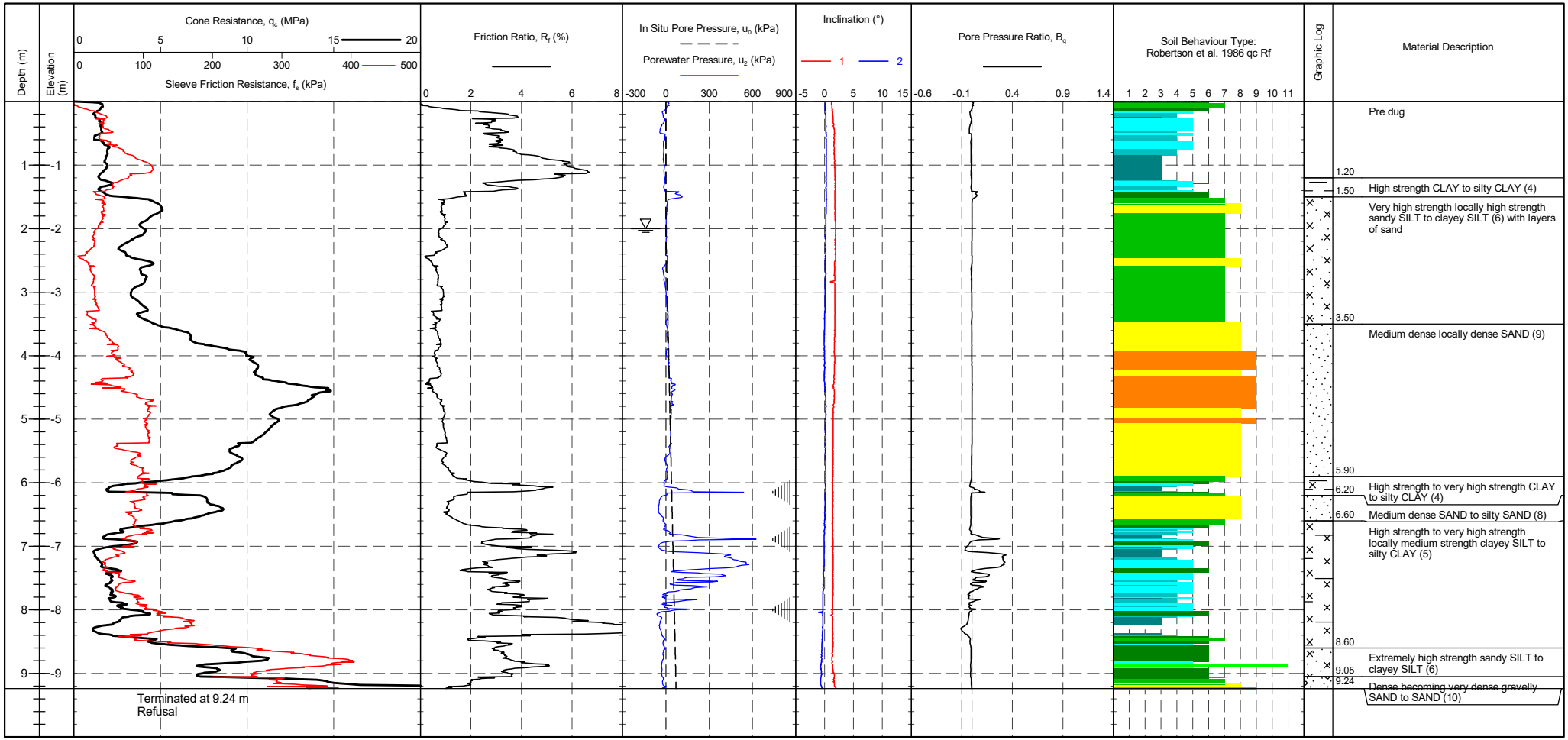
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 08

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 003		
FILTER POSITION	: u2	OPERATOR	: AL & AE		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 08		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	293 mV	292 mV	-0.011 MPa
Sleeve	259 mV	258 mV	-0.001 kPa
Pore Pressure 2	244 mV	256 mV	0.003 kPa
X-Y Inclinometer	2547 mV	2460 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

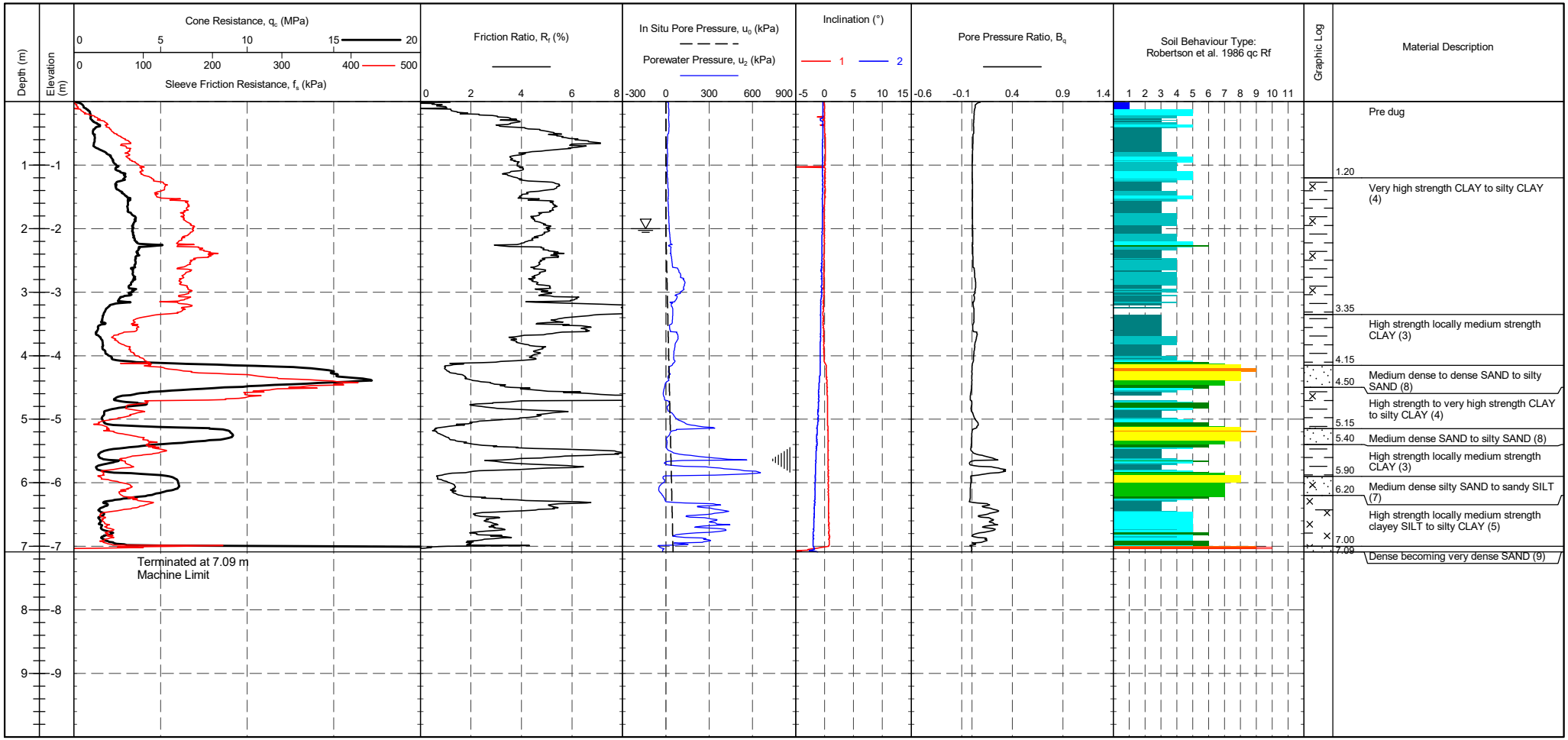
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 09

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on inclination.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Machine Limit		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 003		
FILTER POSITION	: u2	OPERATOR	: AL & AE		
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 09		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

	Pre	Post	Difference
Transducer			
Tip	290 mV	294 mV	0.044 MPa
Sleeve	257 mV	261 mV	0.003 kPa
Pore Pressure 2	251 mV	253 mV	0.001 kPa
X-Y Inclinometer	2455 mV	2423 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

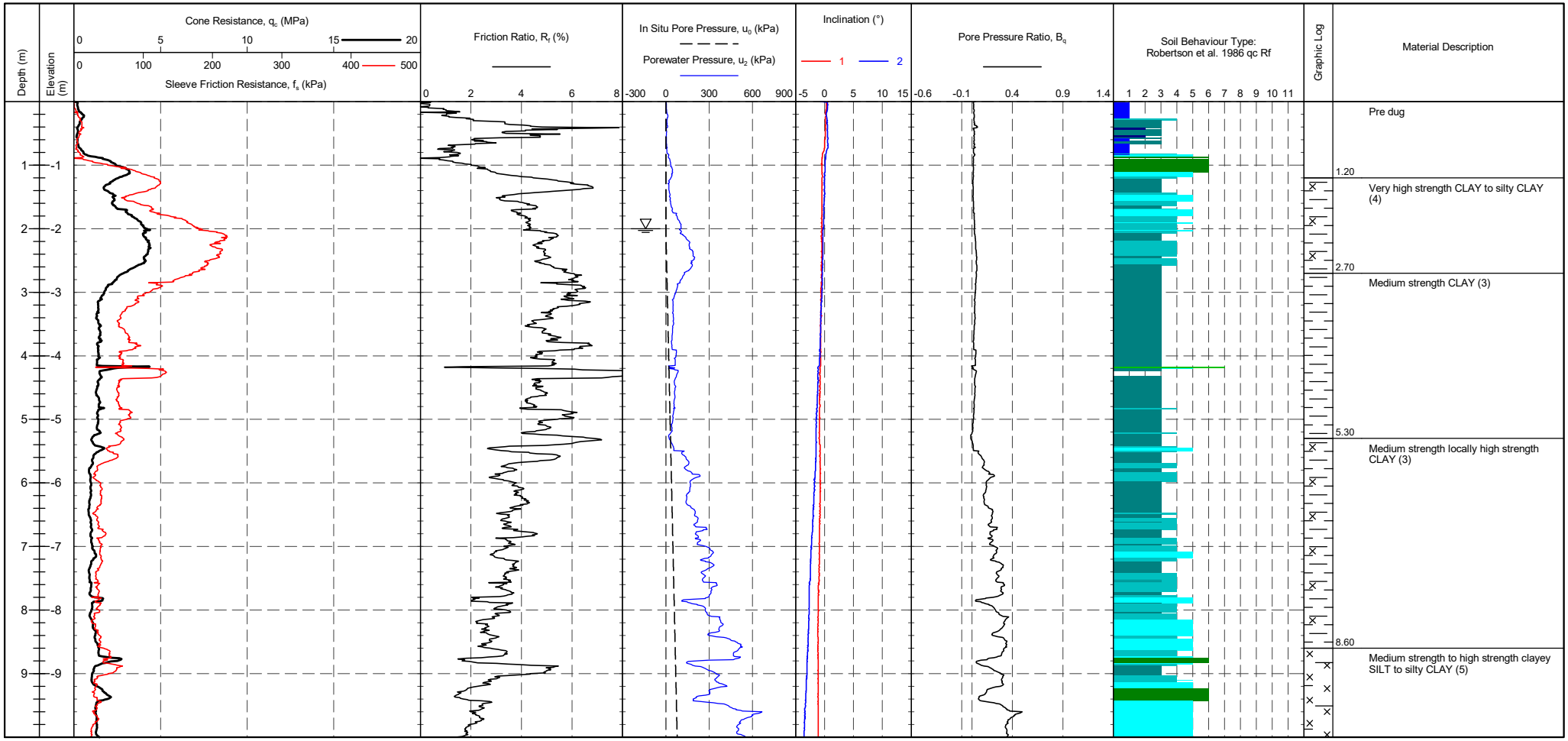
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID : S15-CFIP.1459	TEST TYPE : TE2	CPTU ZERO VALUES		
CONE AREA : 15cm²	APPLICATION CLASS : 2	Transducer	Pre	Post	Difference
CONE AREA RATIO : 0.79	RIG : CPT 003	Tip	293 mV	295 mV	0.022 MPa
FILTER POSITION : u2	OPERATOR : AL & AE	Sleeve	257 mV	260 mV	0.002 kPa
FILTER TYPE : HDPE	FILE NAME : 1170315-CPT 10	Pore Pressure 2	257 mV	338 mV	0.022 kPa
FRICTION REDUCER : None	WEATHER : Overcast & Mild	X-Y Inclinometer	2379 mV	2511 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

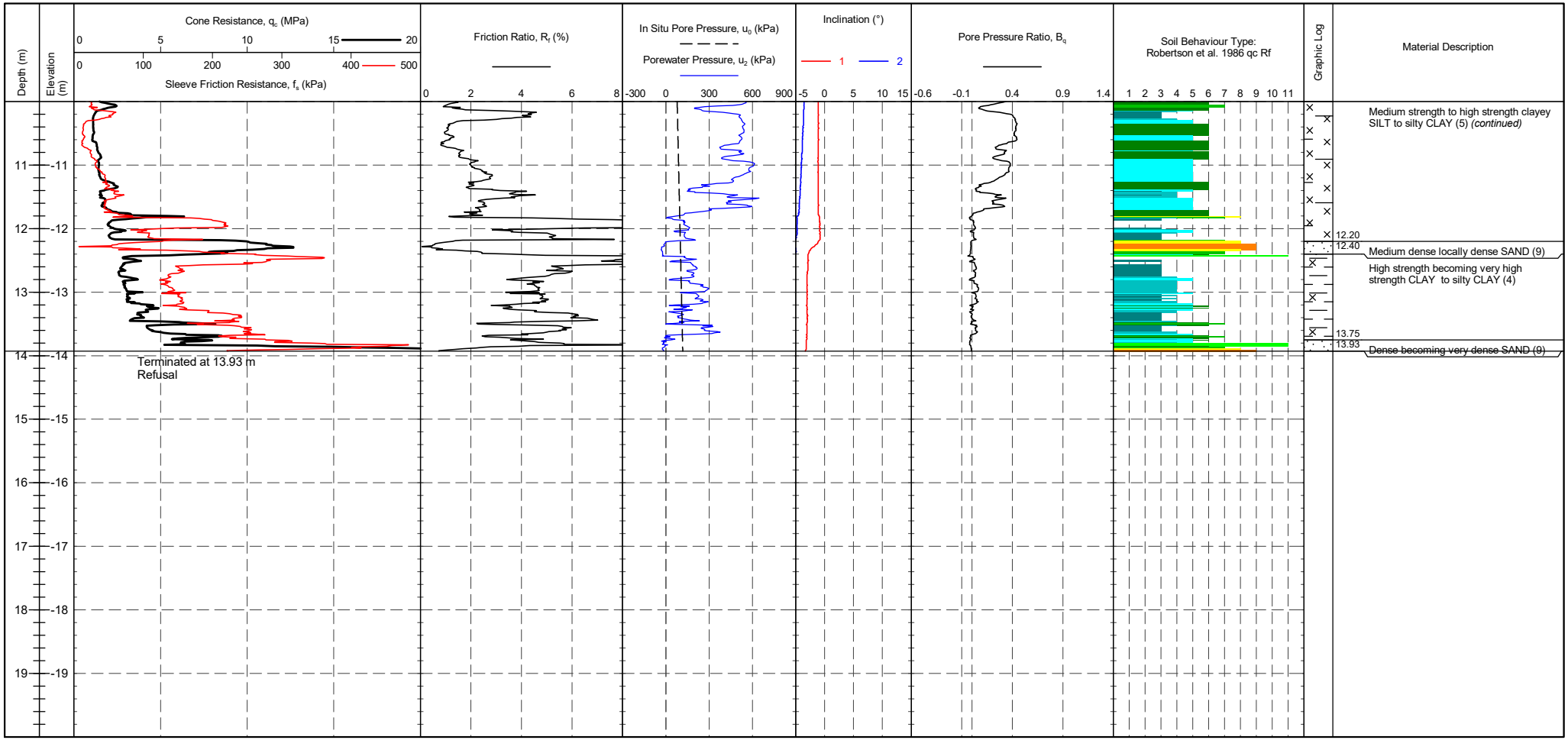
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 10

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 2 OF 2
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post
CONE AREA RATIO	: 0.79	RIG	: CPT 003	Tip	293 mV	295 mV
FILTER POSITION	: u2	OPERATOR	: AL & AE	Sleeve	257 mV	260 mV
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 10	Pore Pressure 2	257 mV	338 mV
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2379 mV	2511 mV

Difference
0.022 MPa
0.002 kPa
0.022 kPa

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

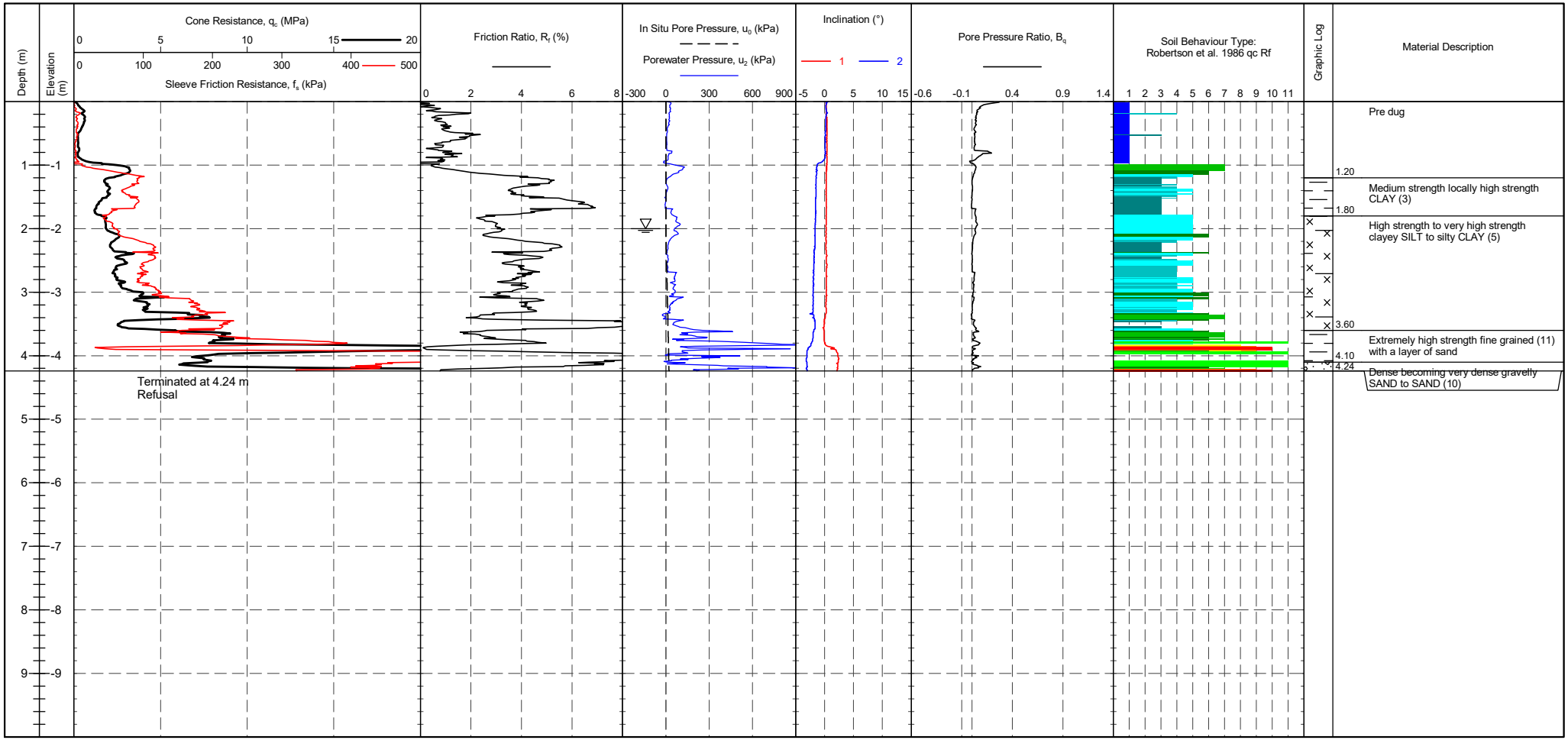
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 13

CLIENT : Dunelm Geotechnical	EASTING :	REMARK	SHEET : 1 OF 1
PROJECT : Sunderland	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 30/08/2017
PROJECT No. : 1170315	CHECKED BY : LD		PLOT DATE : 31/08/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1459	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 003	
FILTER POSITION	: u2	OPERATOR	: AL & AE	
FILTER TYPE	: HDPE	FILE NAME	: 1170315-CPT 13	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	294 mV	294 mV	0 MPa
Sleeve	266 mV	256 mV	-0.007 kPa
Pore Pressure 2	259 mV	244 mV	-0.004 kPa
X-Y Inclinometer	2442 mV	2452 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - Clay
4 - Silty clay to clay
5 - Clayey silt to silty clay
6 - Sandy silt to clayey silt
7 - Silty sand to sandy silt
8 - Sand to silty sand
9 - Sand
10 - Gravelly sand to sand
11 - Very stiff fine grained
12 - Sand to clayey sand

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

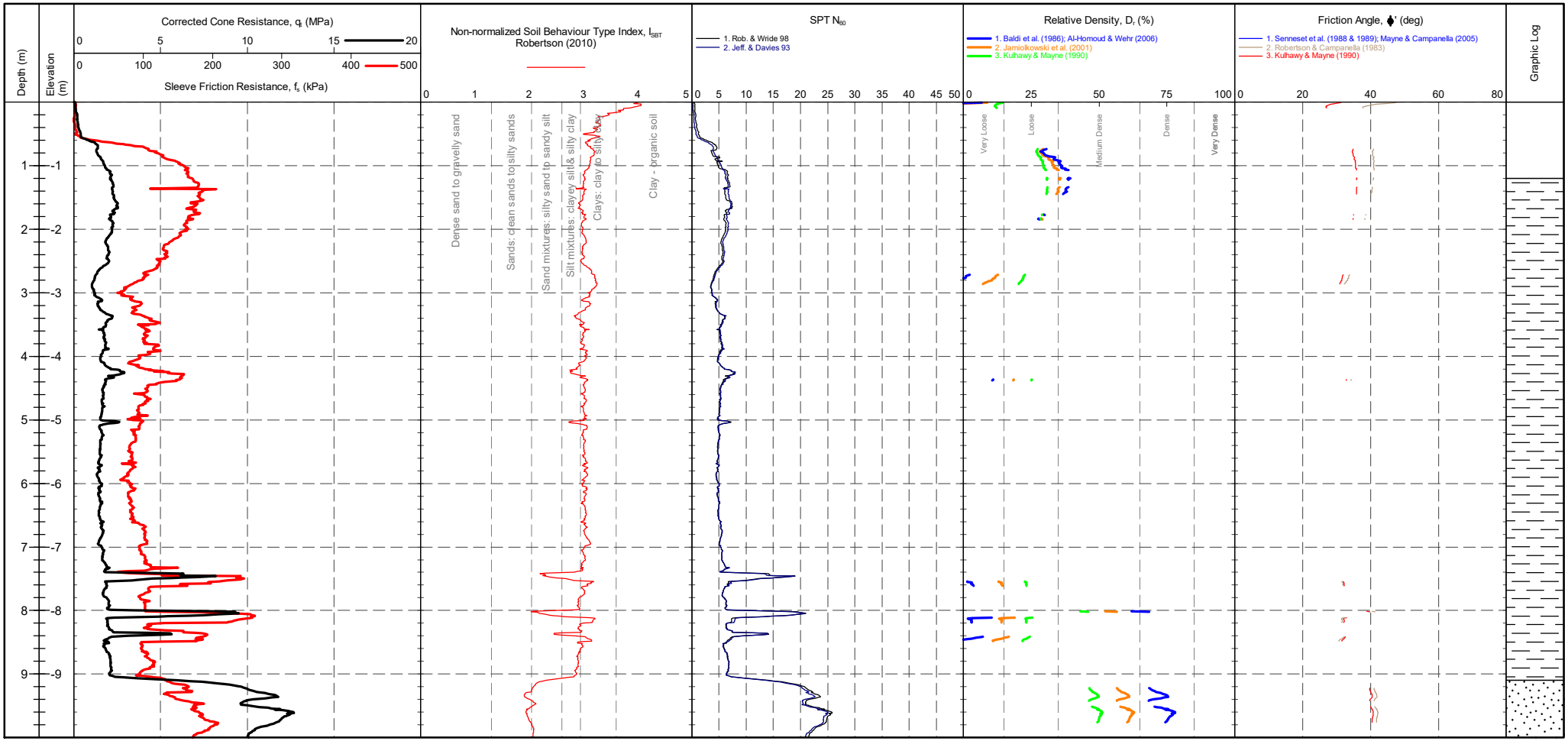
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	967 mV / 7.456 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	1194 mV / 0.533 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	Pore Pressure 2	287 mV	384 mV / 0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2638 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

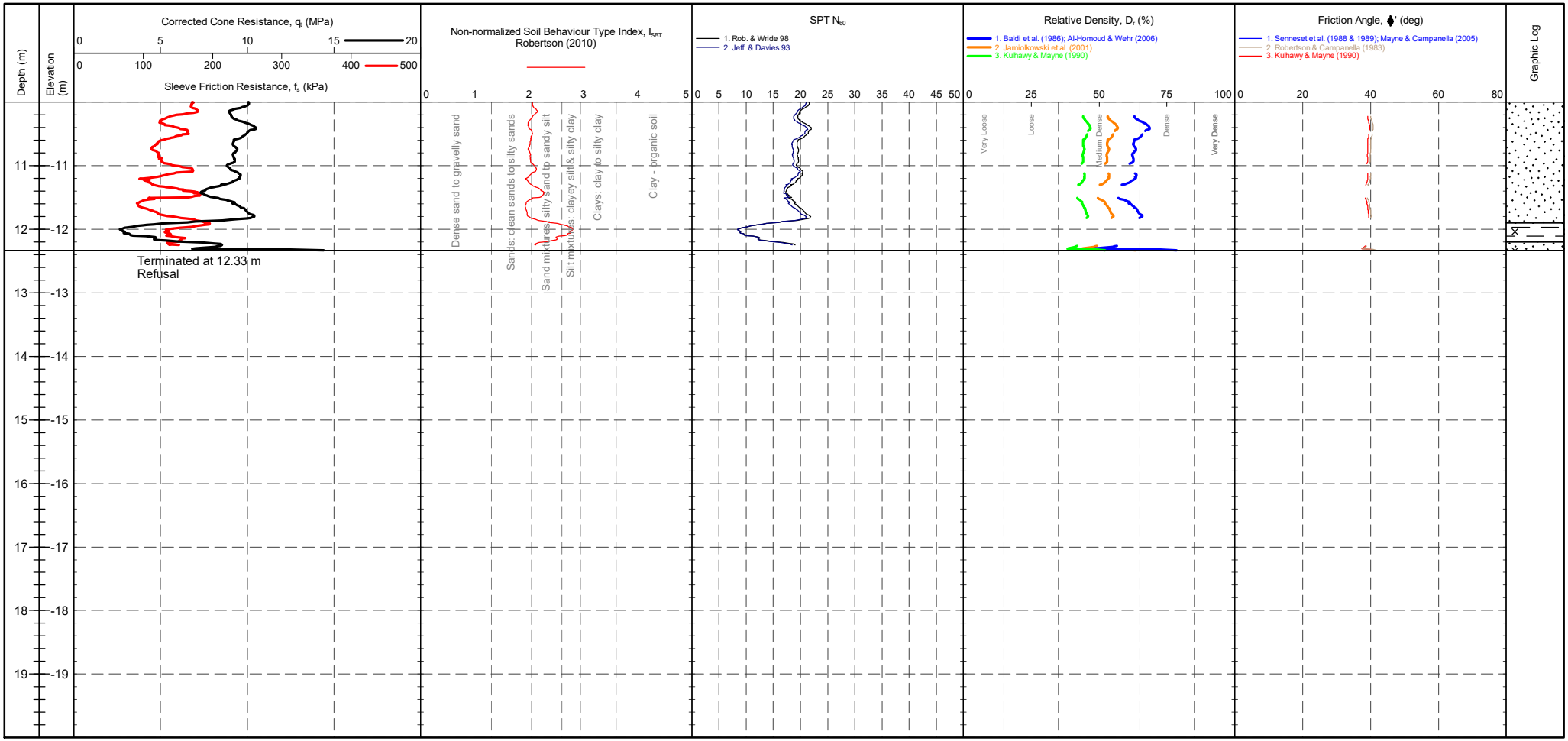
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	967 mV	7.456 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	1194 mV	0.533 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	Pore Pressure 2	287 mV	384 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2638 mV	

Groundwater Level

Dissipation Test

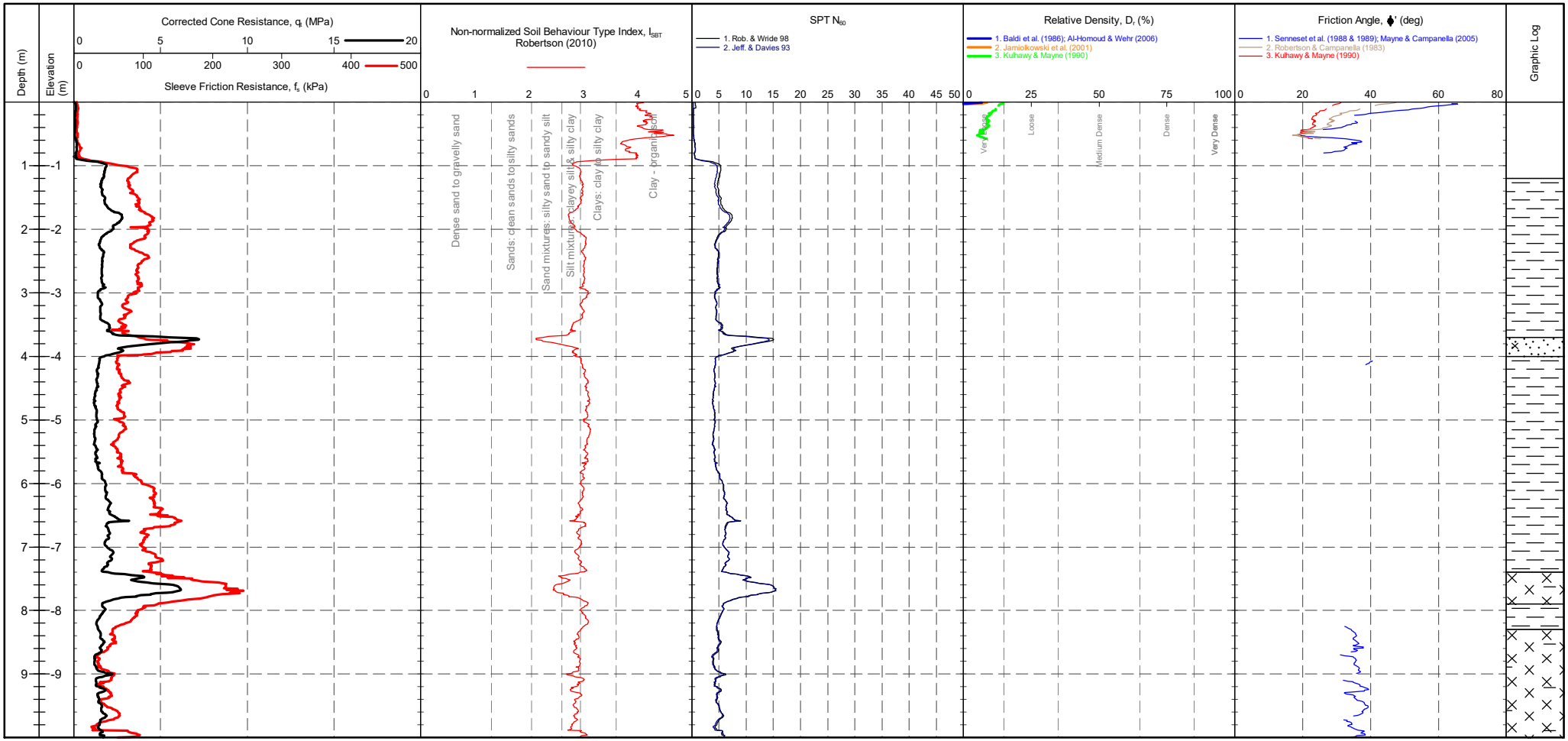
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	Pore Pressure 2	318 mV	248 mV / -0.021 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2407 mV	2469 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

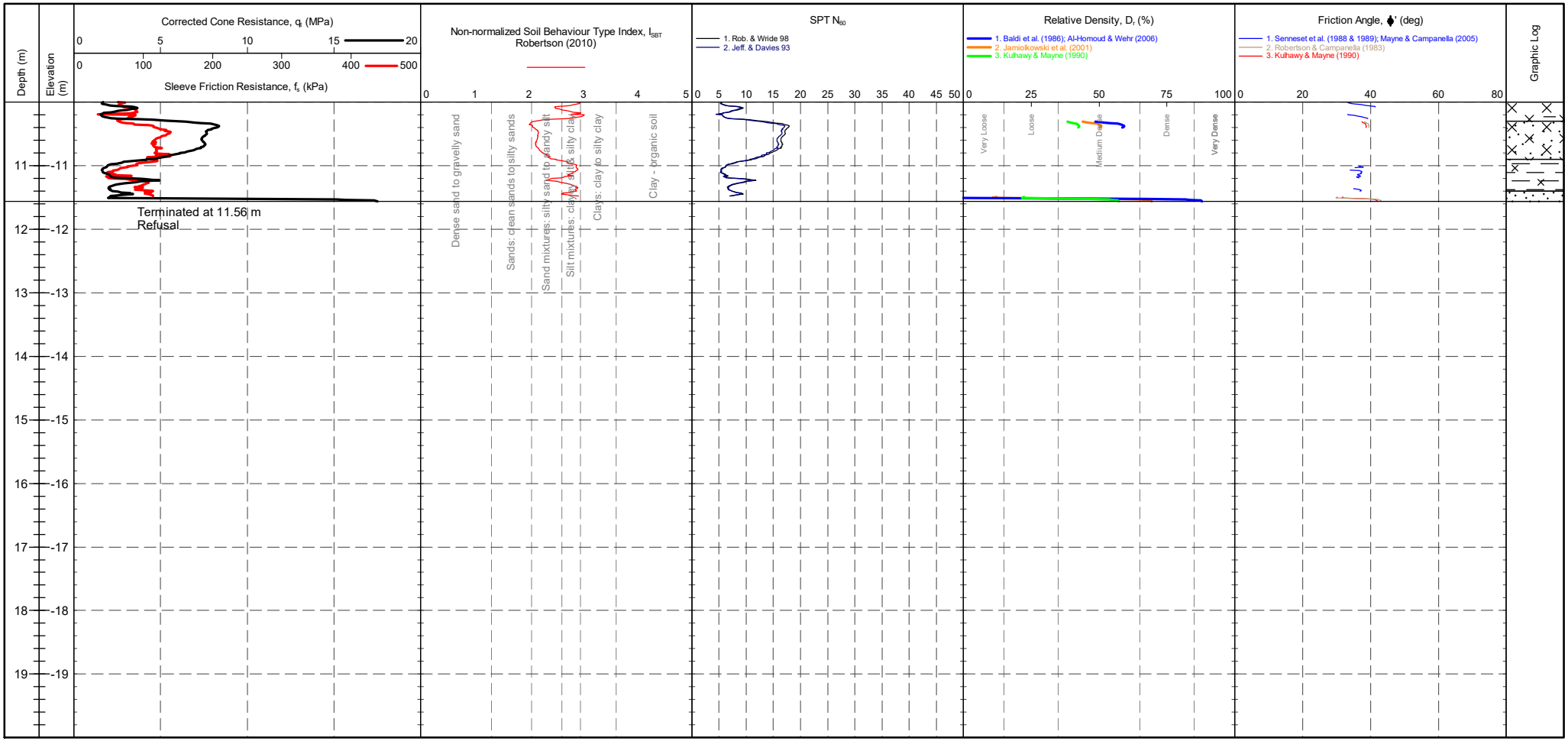
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	296 mV	296 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	456 mV	0 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	318 mV	248 mV	-0.021 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	X-Y Inclinometer	2407 mV	2469 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

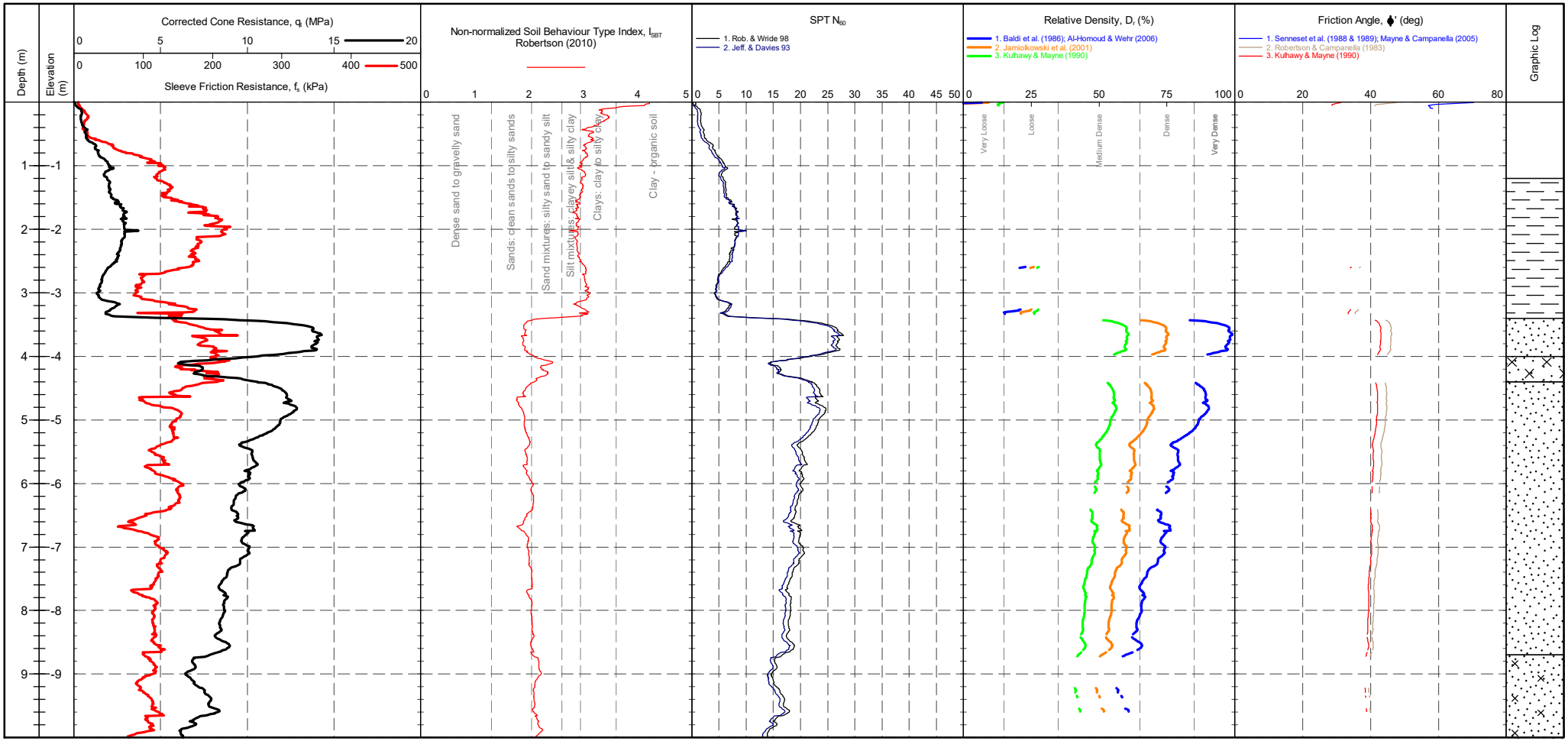
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 004

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	
CONE AREA RATIO	: 0.79	RIG	: CPT 006	
FILTER POSITION	: u2	OPERATOR	: BB	
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	297 mV	297 mV	0 MPa
Sleeve	456 mV	455 mV	-0.001 kPa
Pore Pressure 2	293 mV	288 mV	-0.002 kPa
X-Y Inclinometer	2390 mV	2507 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

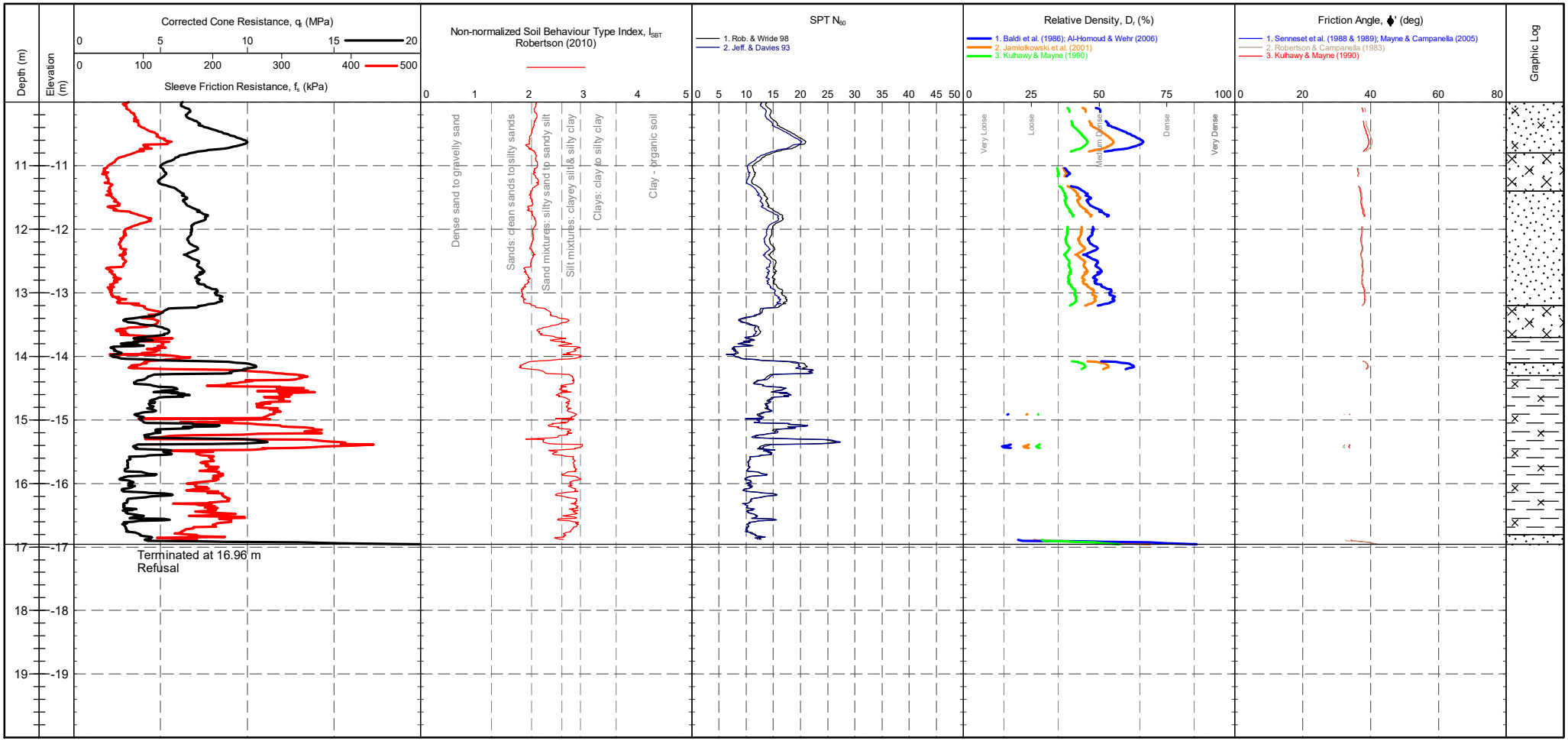
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 004

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	297 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	455 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	293 mV	288 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004	X-Y Inclinometer	2390 mV	2507 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

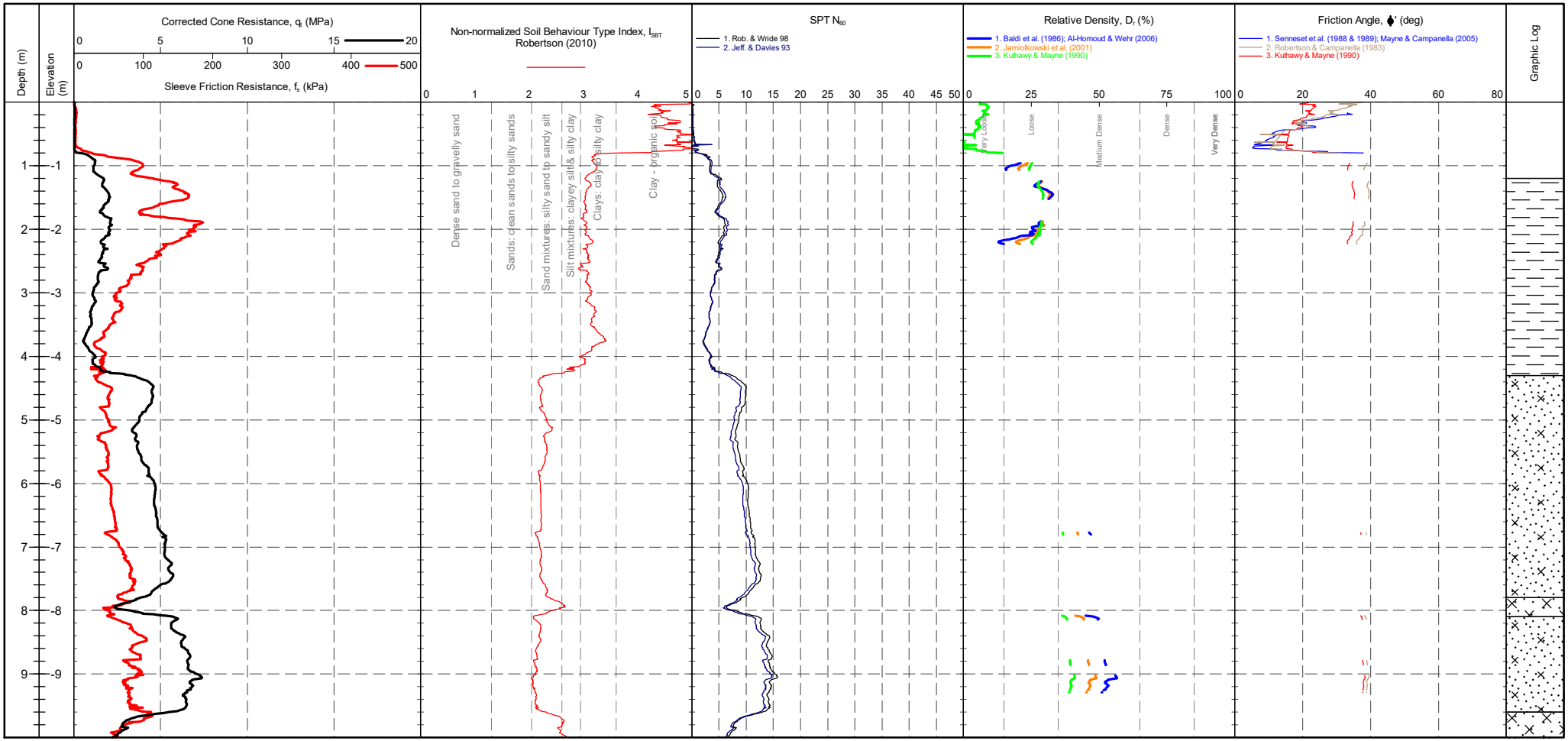
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV / -0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV / -0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

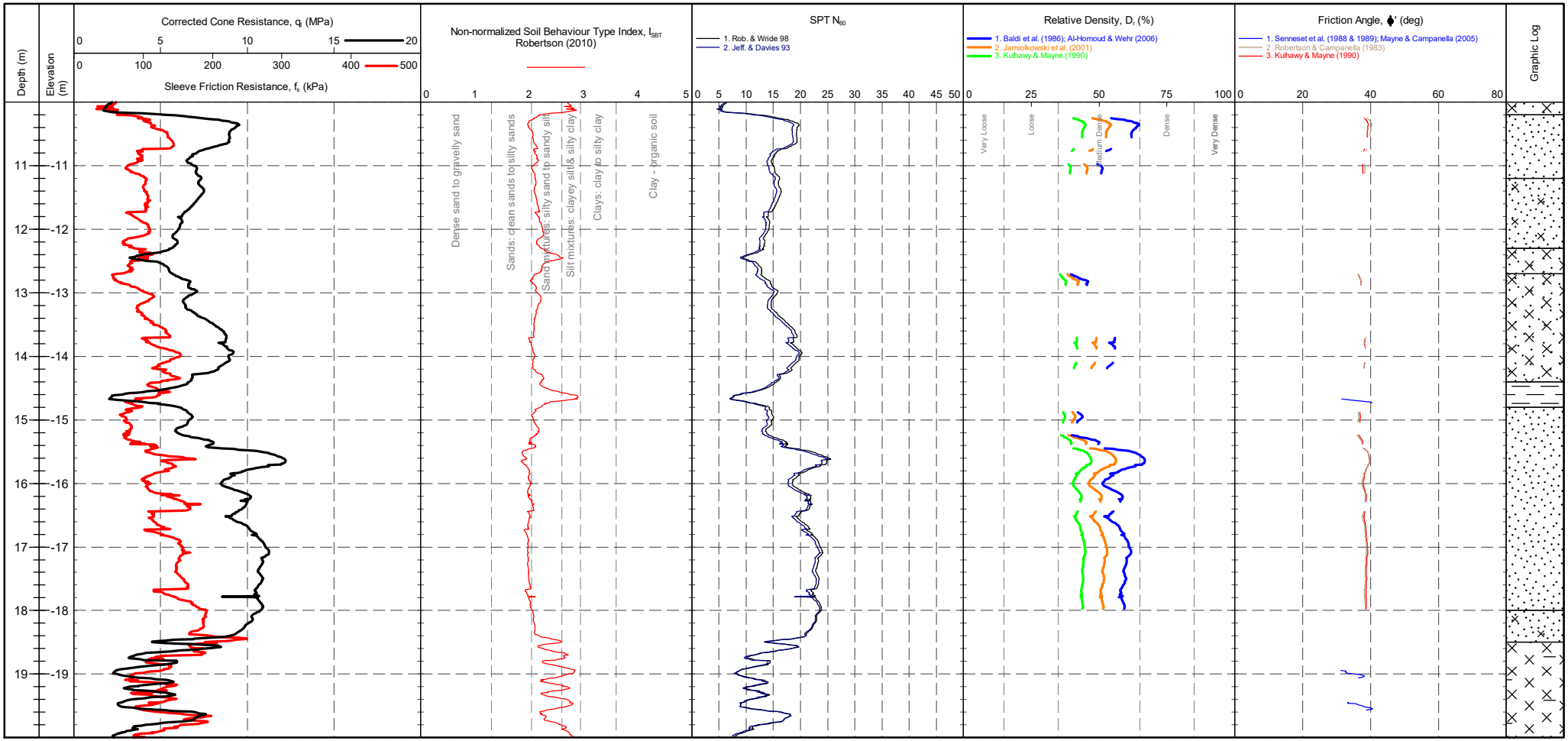
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV	-0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

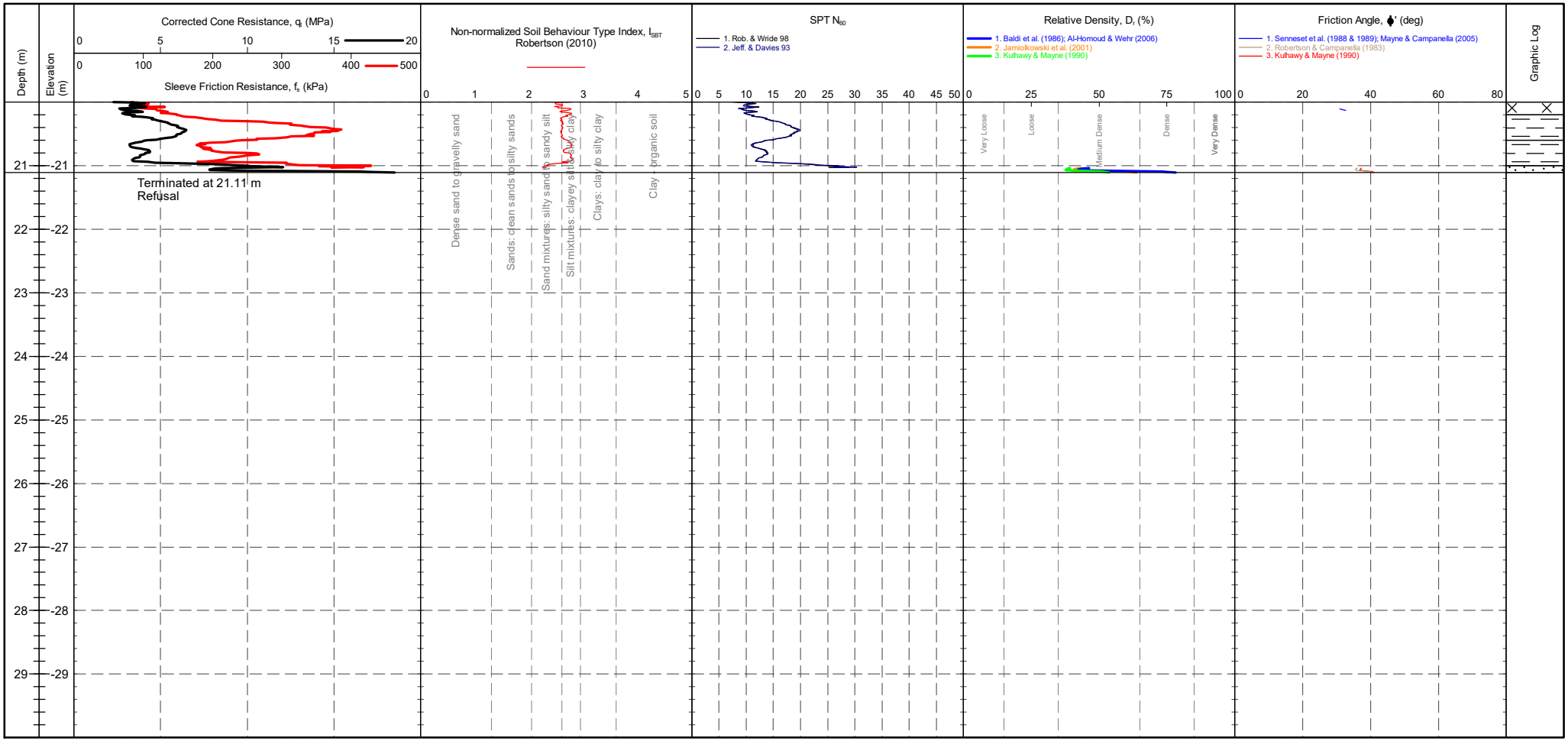
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 3 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV / -0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV / -0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV

Groundwater Level

Dissipation Test

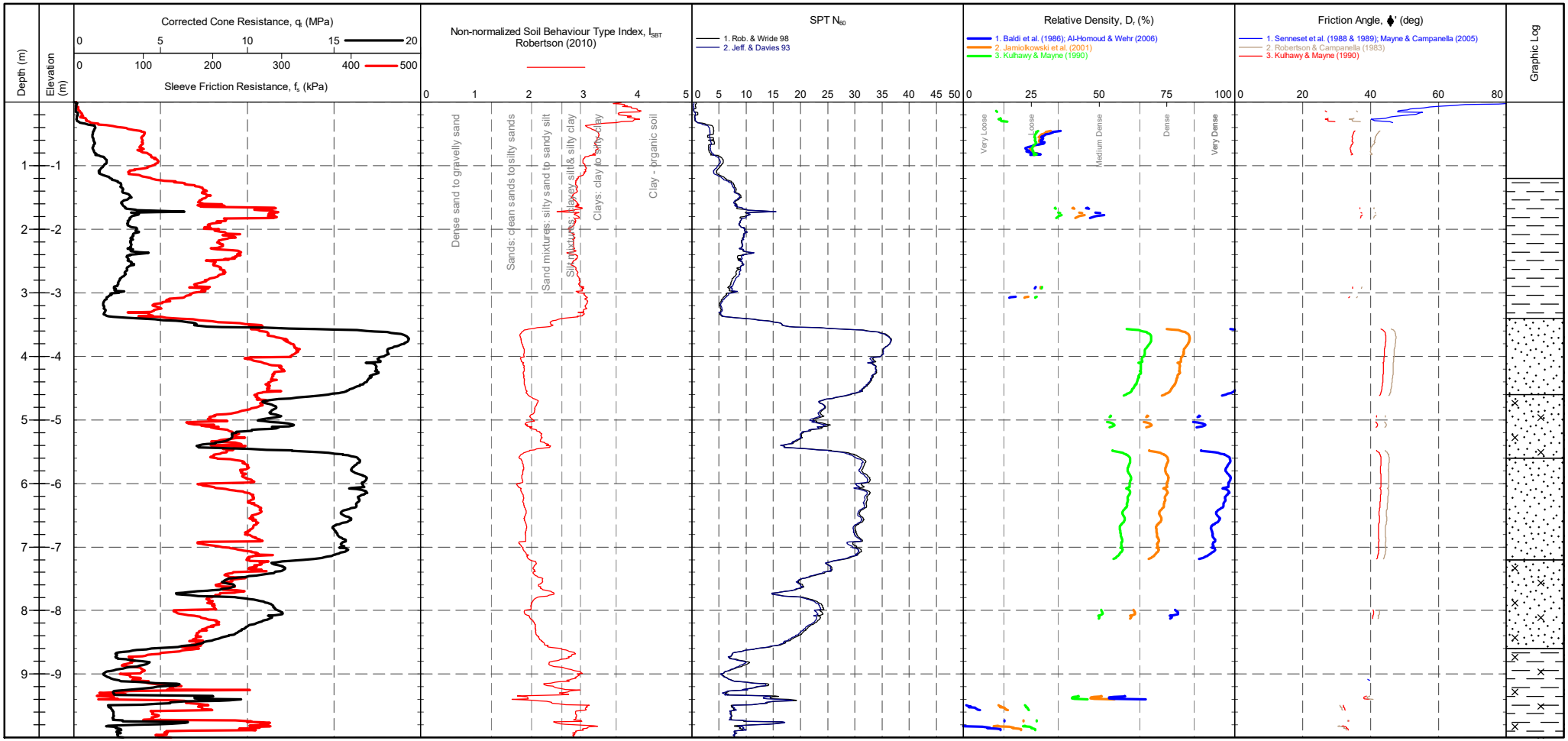
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 006

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre / Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV / 295 mV	-0.022 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV / 454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006	Pore Pressure 2	302 mV / 300 mV	-0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2382 mV / 2468 mV	

Groundwater Level

Dissipation Test

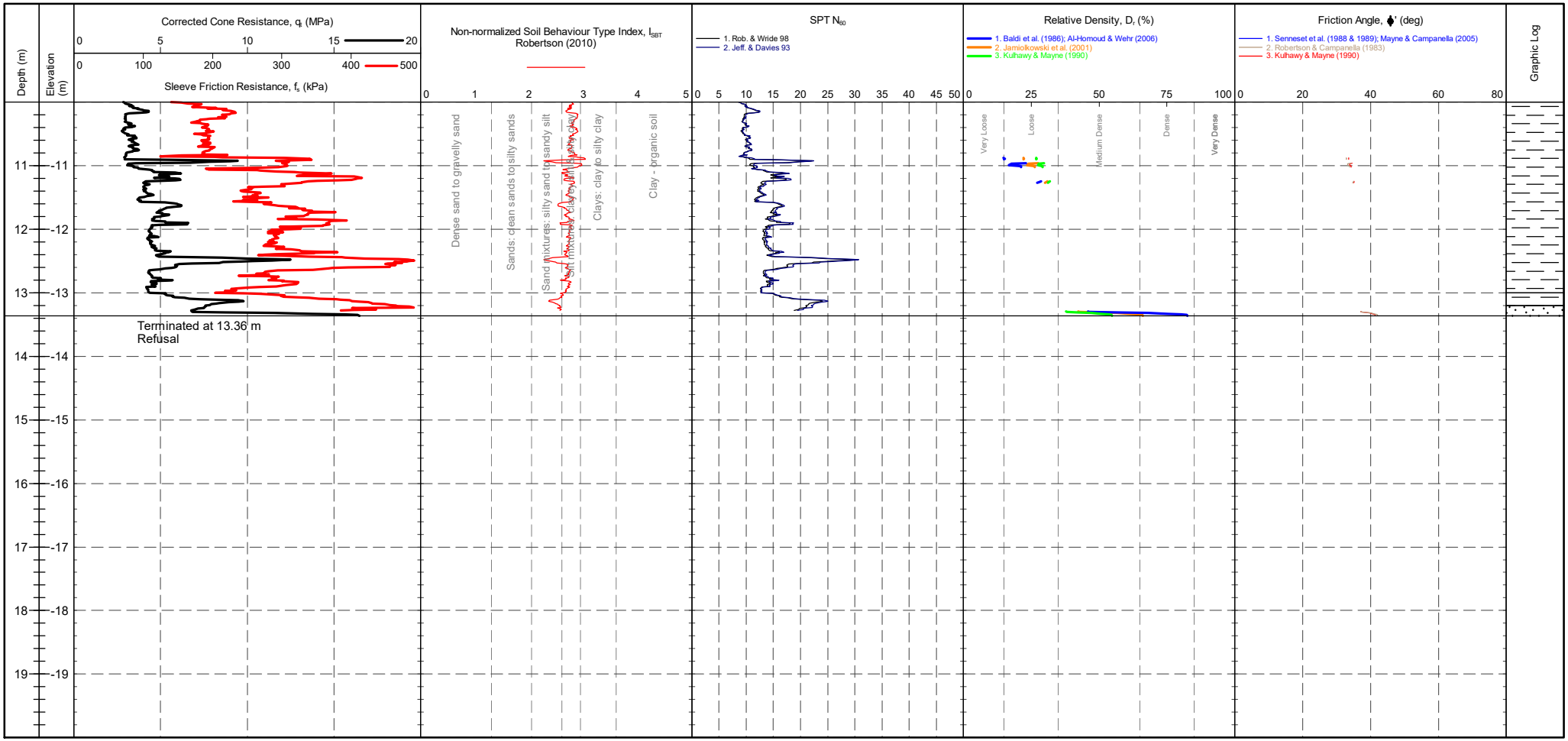
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 006

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	295 mV	-0.022 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	302 mV	300 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006	X-Y Inclinometer	2382 mV	2468 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

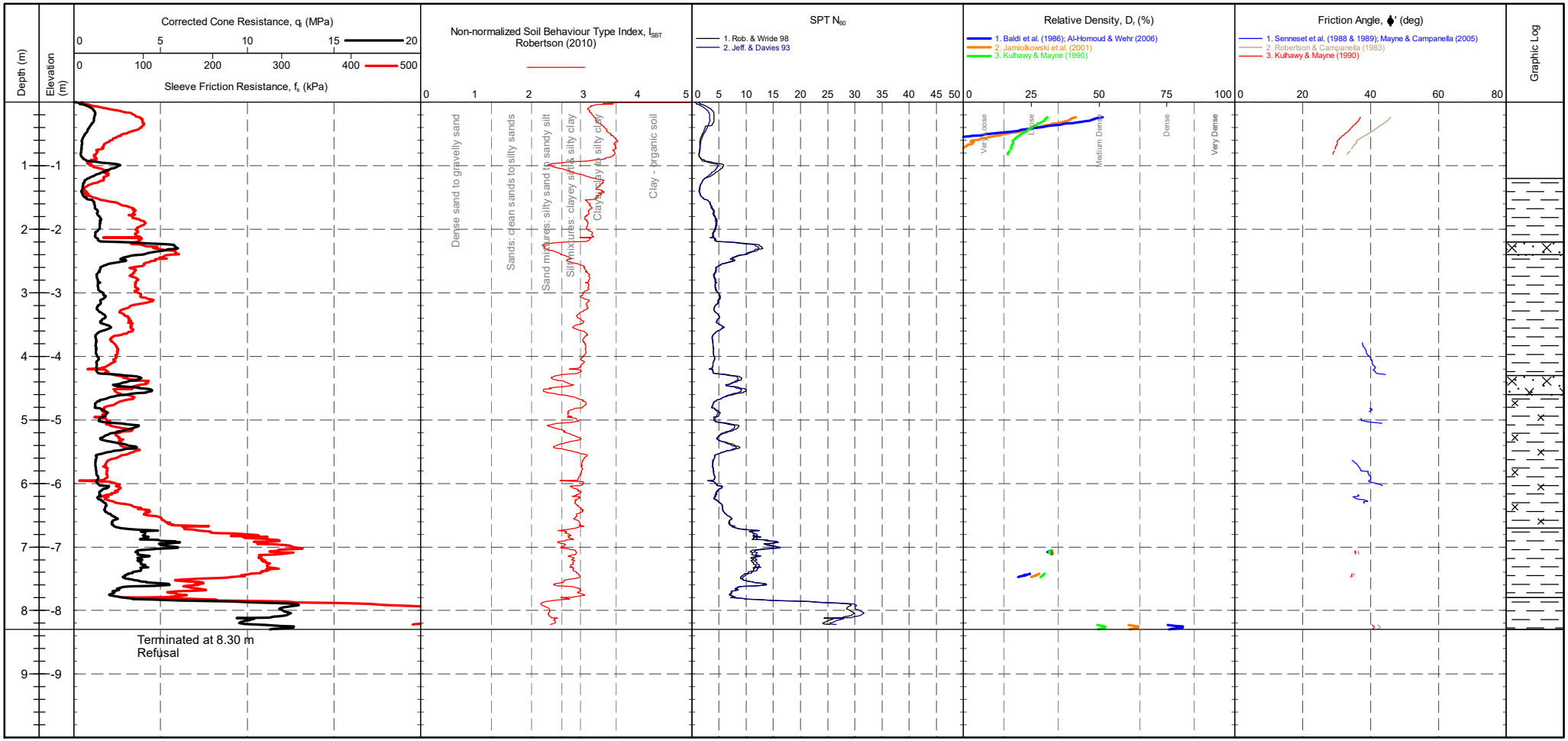
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 007

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 1
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	298 mV	298 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	457 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 007	Pore Pressure 2	299 mV	365 mV	0.02 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2587 mV	2528 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

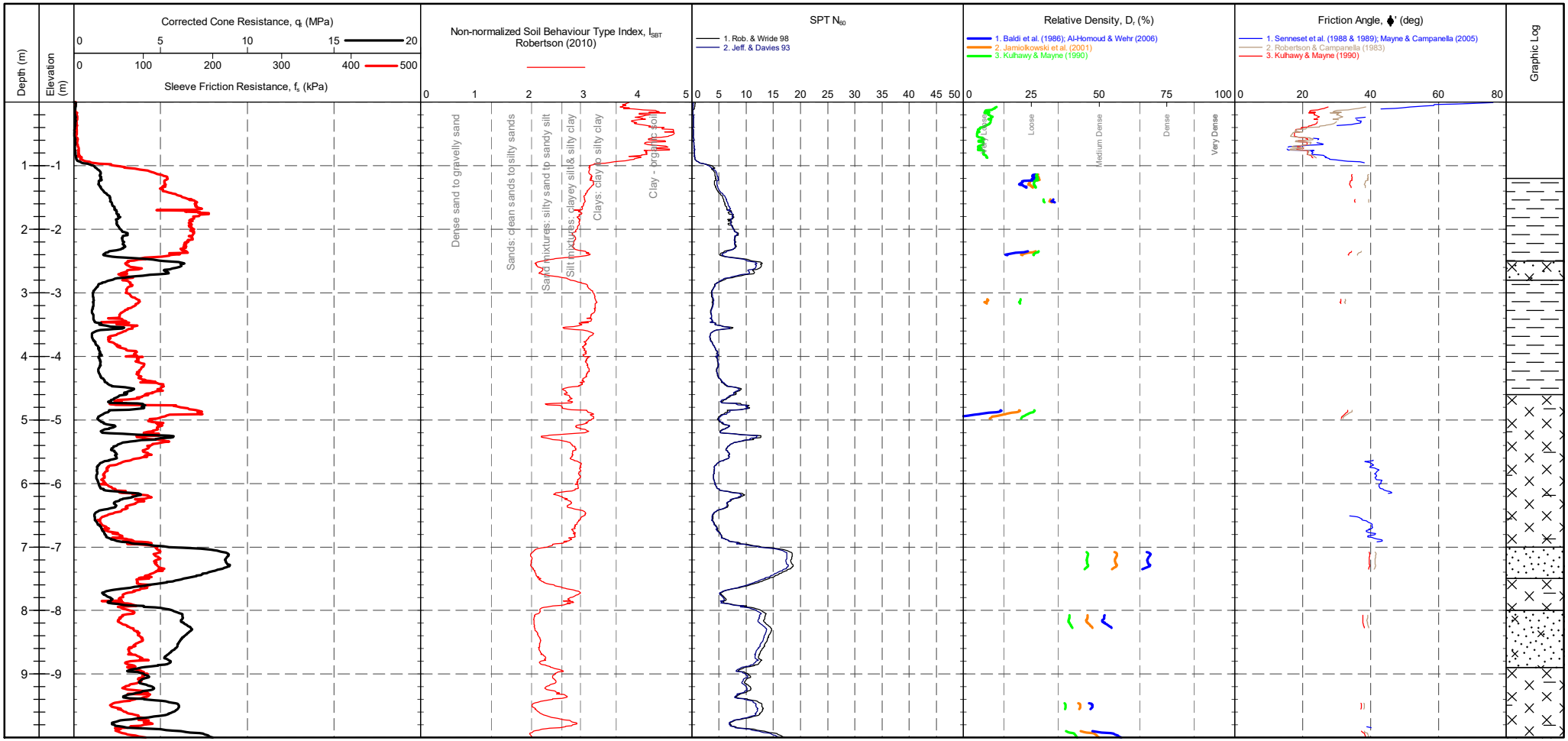
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV / 0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

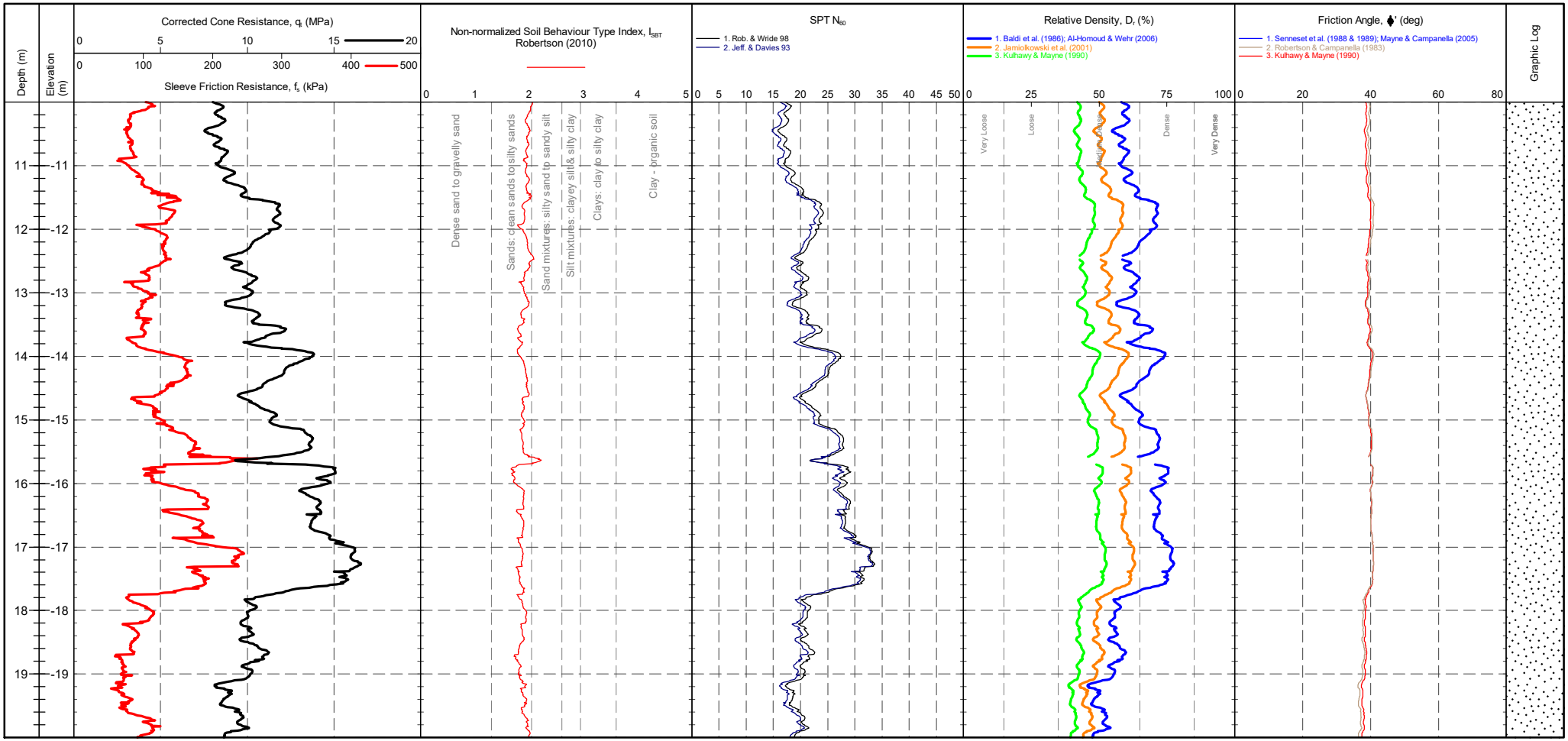
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV / 0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

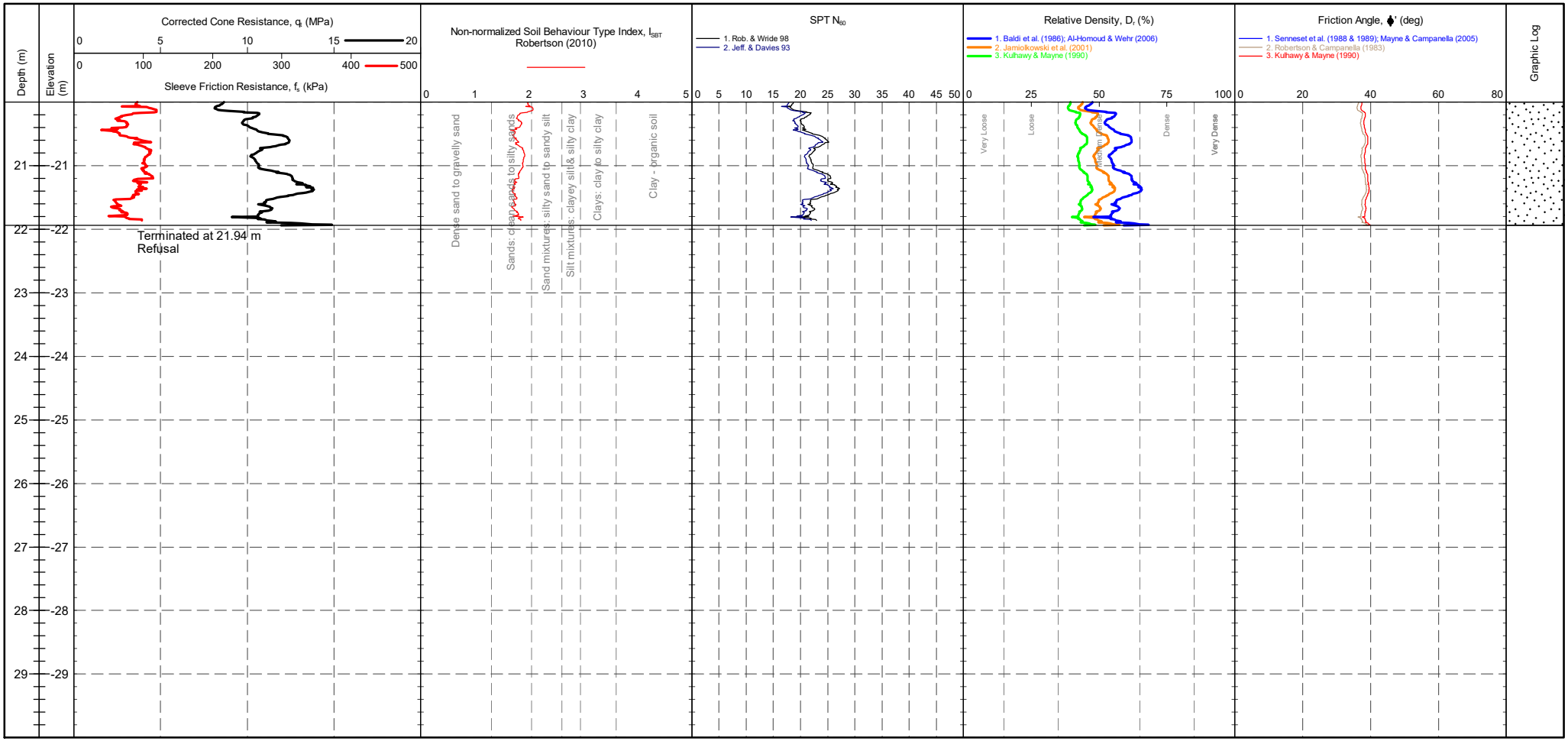
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 3 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV / 0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

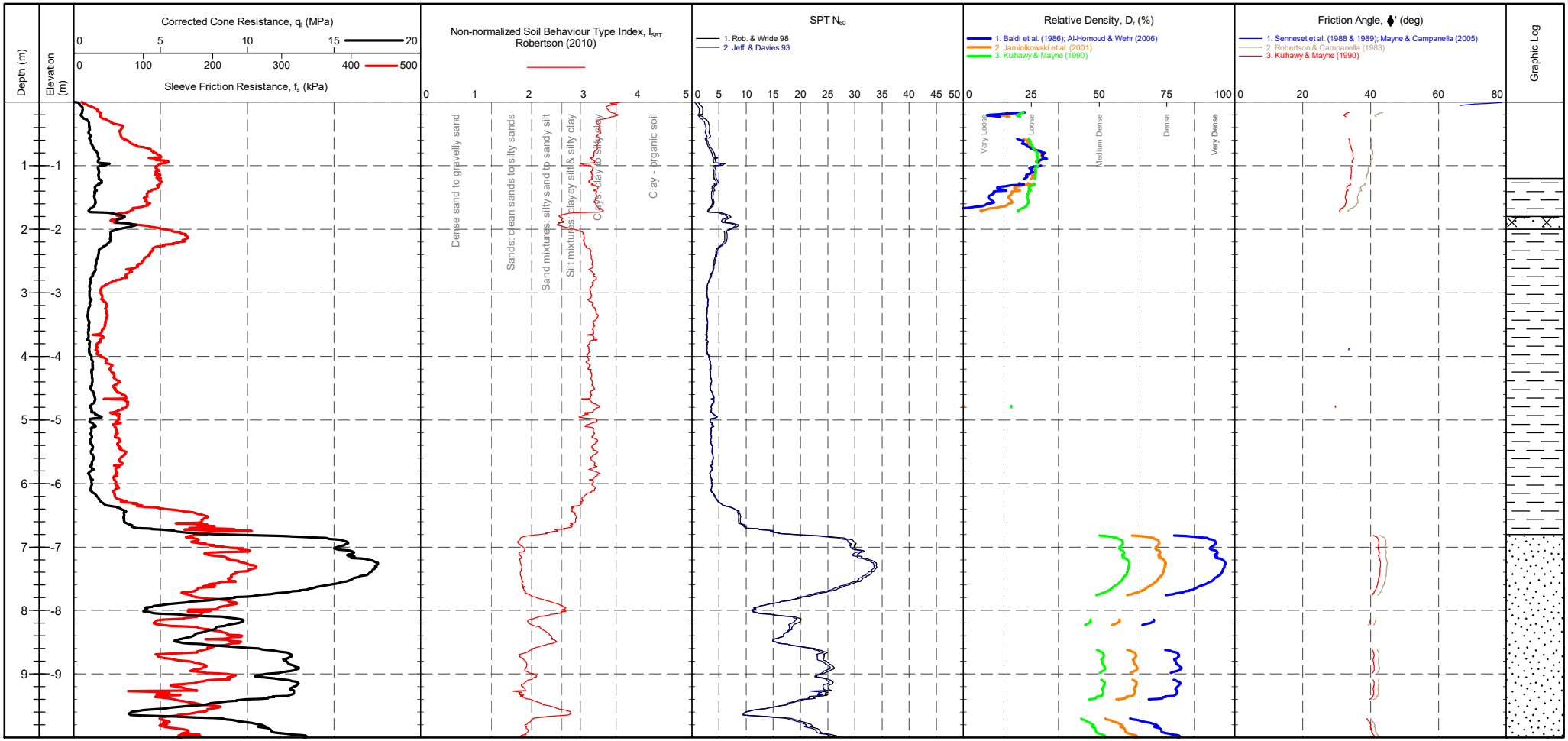
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	458 mV	457 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	Pore Pressure 2	312 mV	308 mV / -0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2390 mV	2375 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

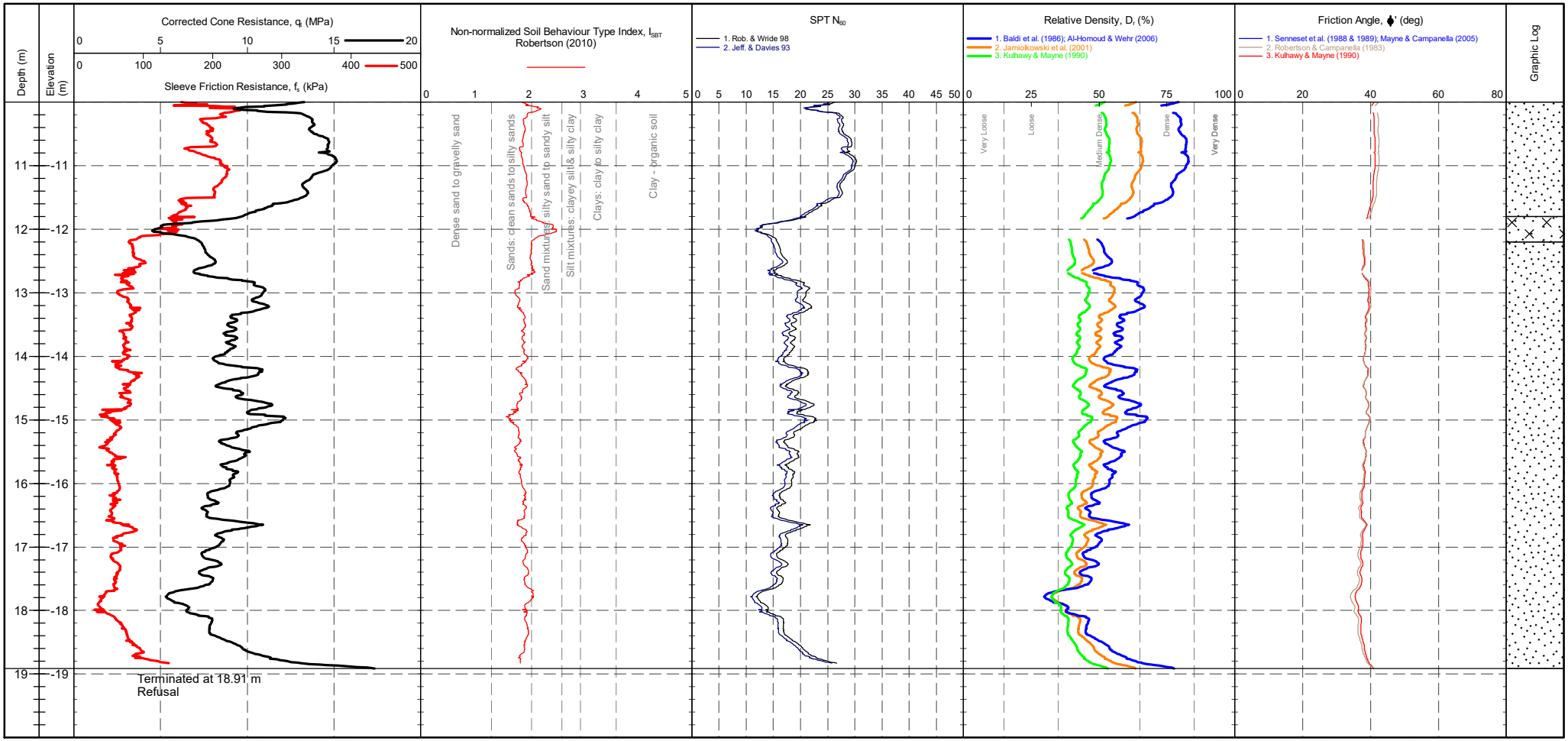
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Tip	297 mV	297 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	458 mV	457 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	312 mV	308 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	X-Y Inclinometer	2390 mV	2375 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

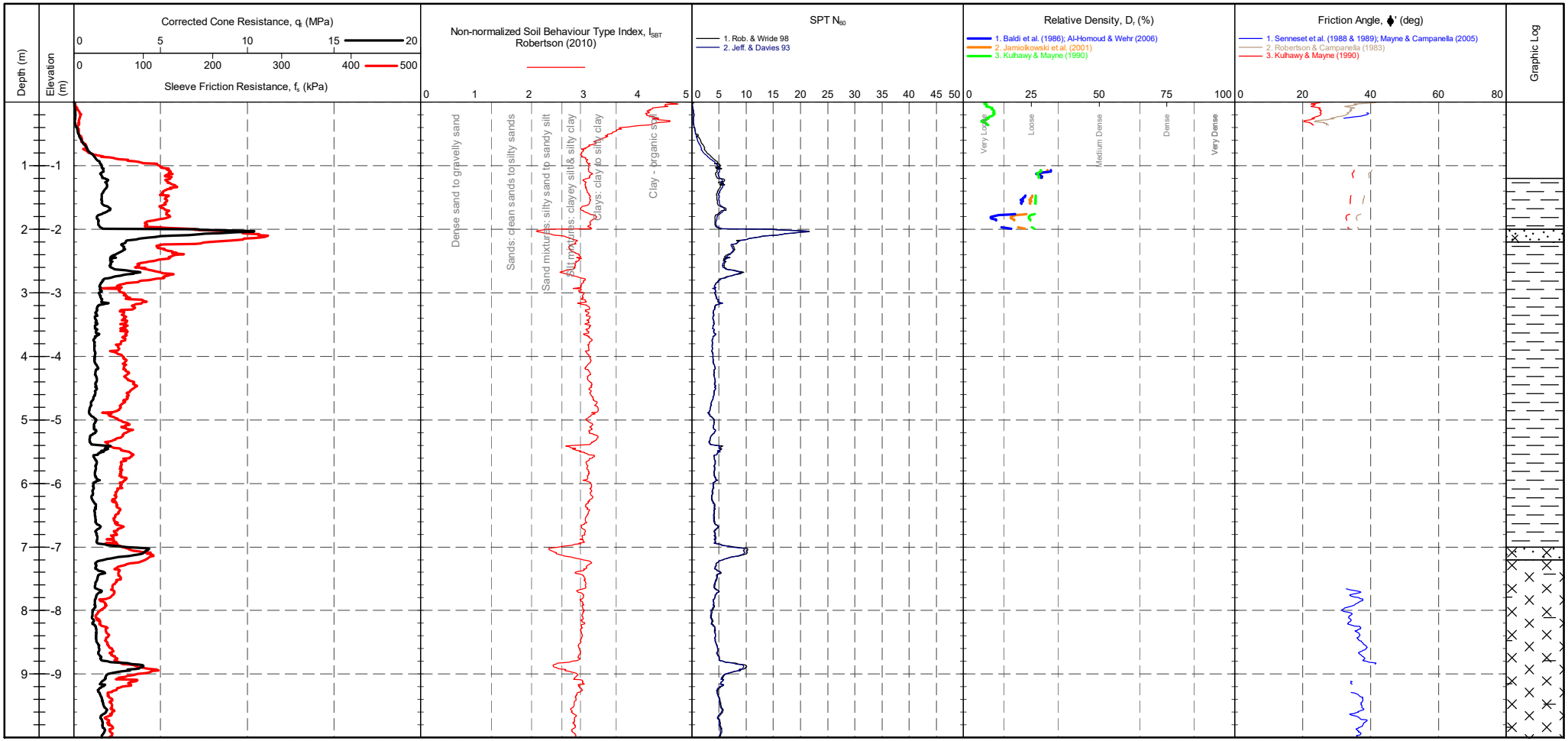
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	Pore Pressure 2	306 mV	278 mV	-0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2409 mV	2453 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

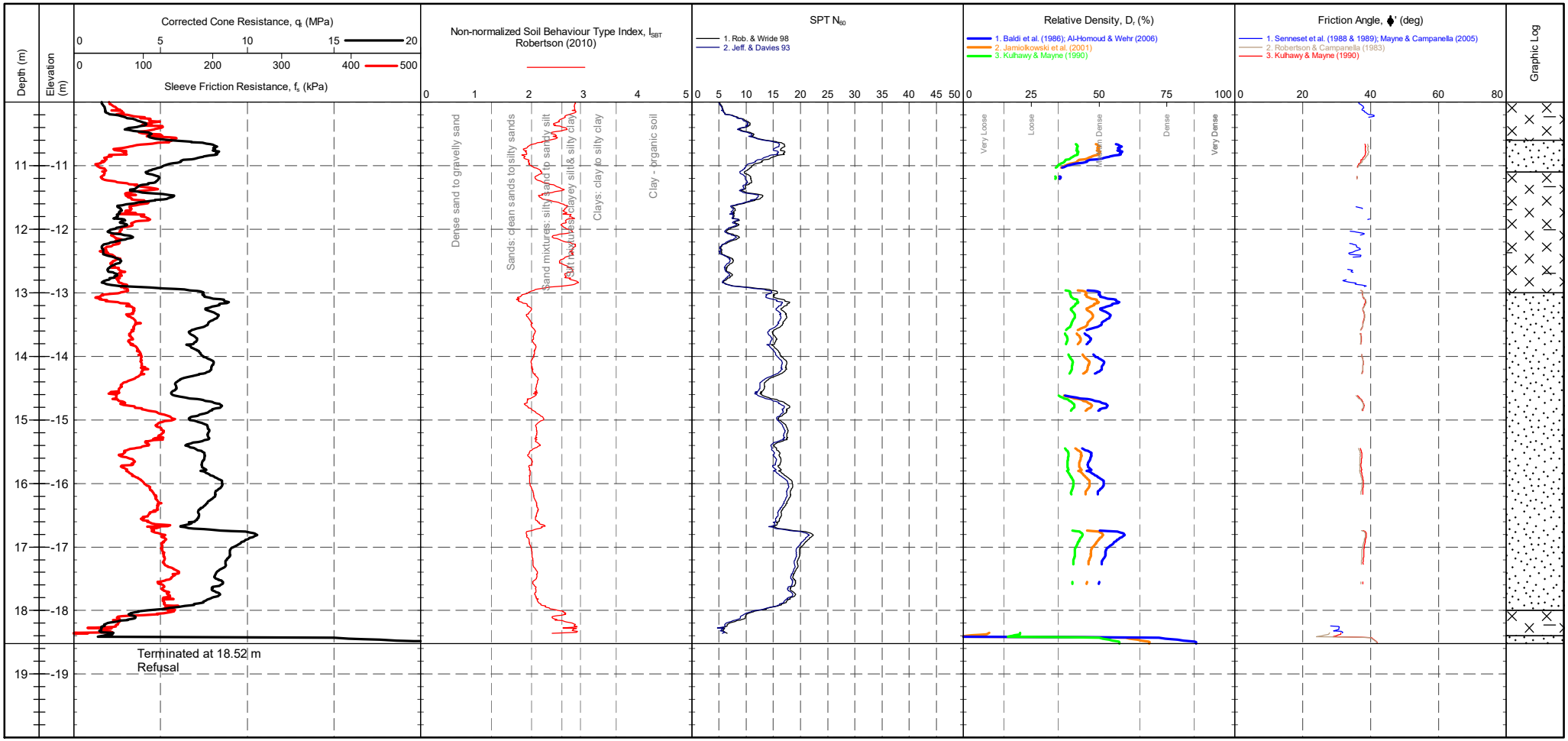
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	Pore Pressure 2	306 mV	278 mV	-0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2409 mV	2453 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

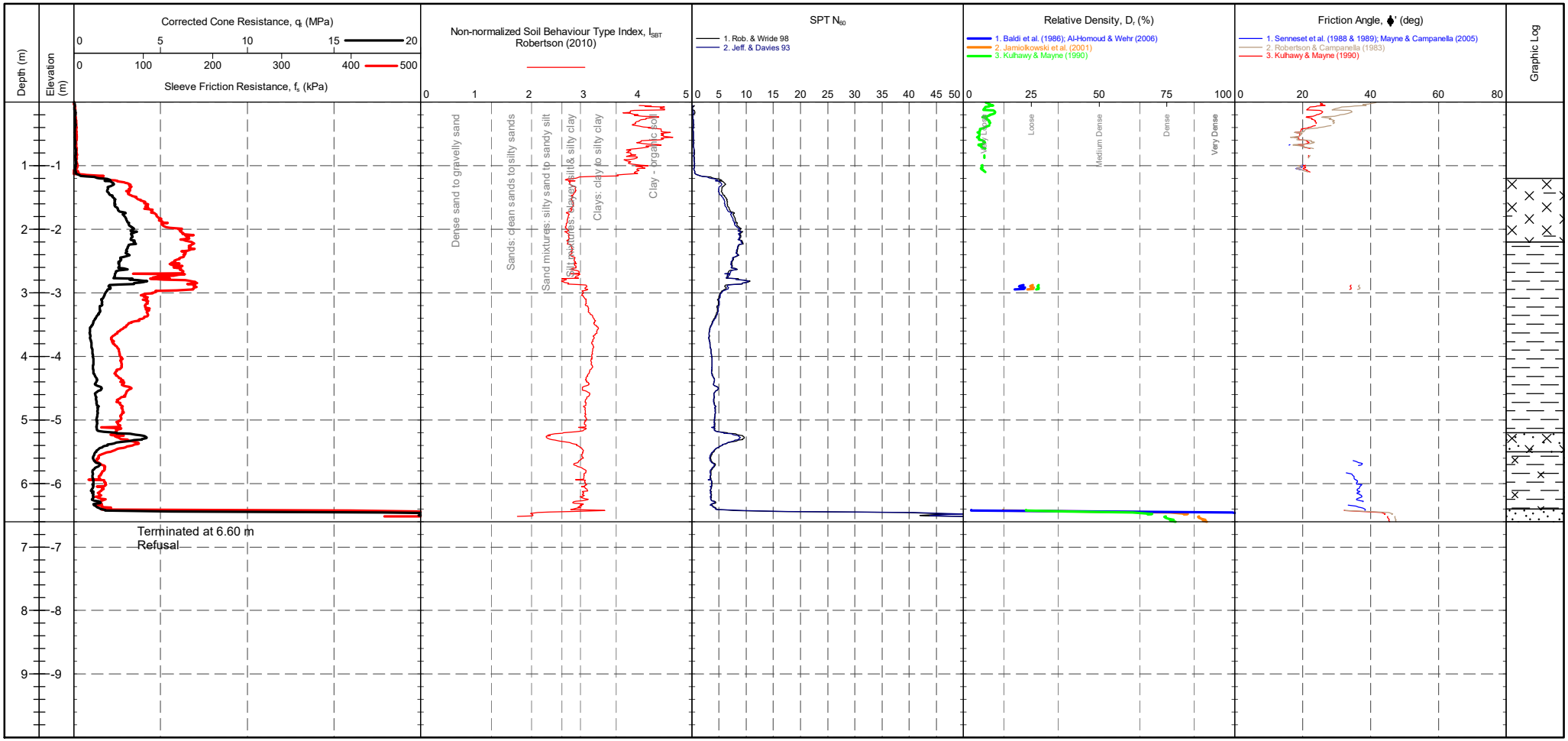
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 02

PointID

CPT M001

CLIENT	: Dunelm Geotechnical	EASTING	:	Remark	: Test refused on tip resistance.	SHEET	: 1 OF 1
PROJECT	: Sunderland 3rd Visit	NORTHING	:			STATUS	: Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m			TEST DATE	: 23/11/2017
PROJECT No.	: 1170423	CHECKED BY	: LD			PLOT DATE	: 11/12/2017
		TERMINATION REASON	: Refusal			METHOD	: ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	294 mV	295 mV	0.011 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	455 mV	454 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	299 mV	315 mV	0.005 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT M001	X-Y Inclinometer	2457 mV	2480 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

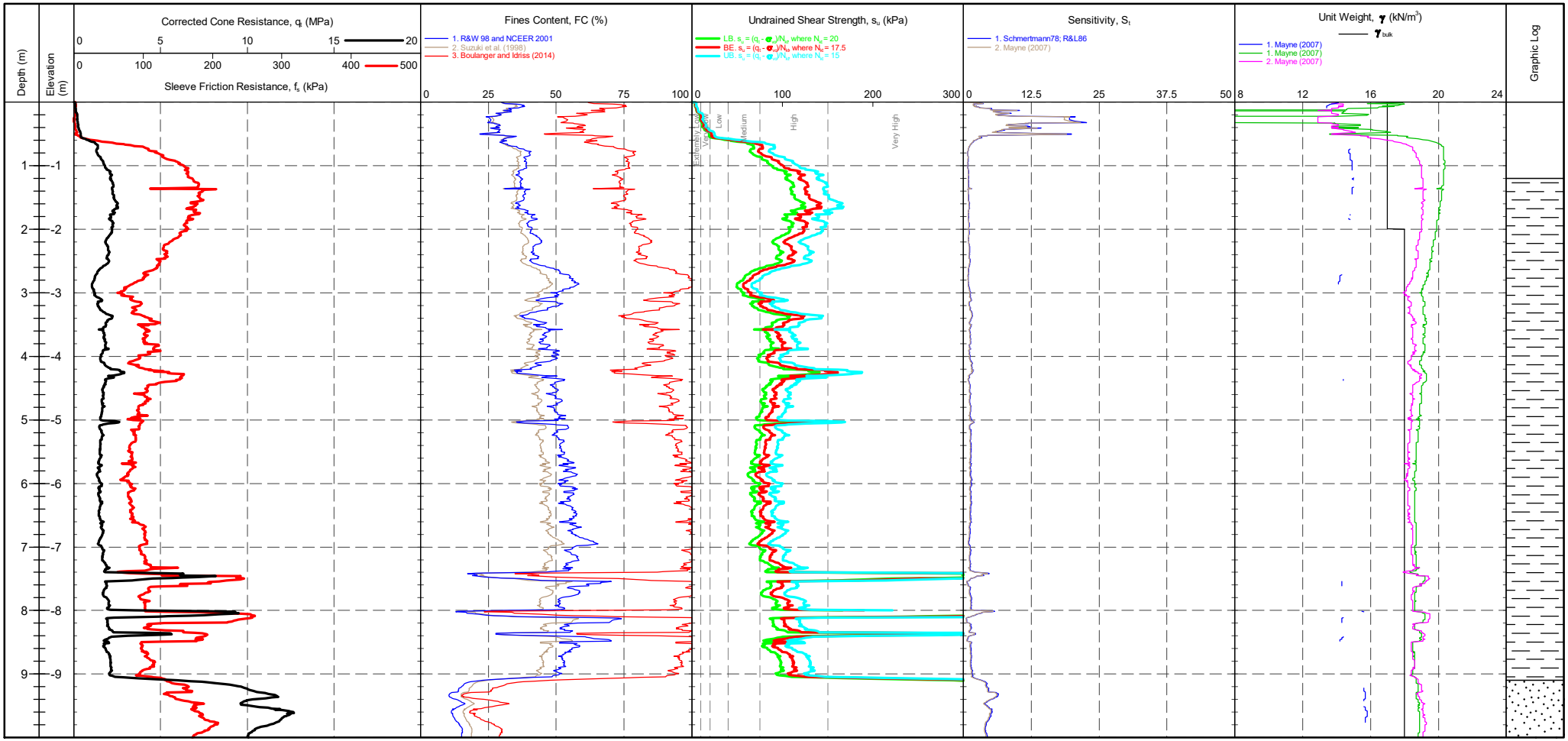
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	967 mV	7.456 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	1194 mV	0.533 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	Pore Pressure 2	287 mV	384 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2638 mV	

Groundwater Level

Dissipation Test

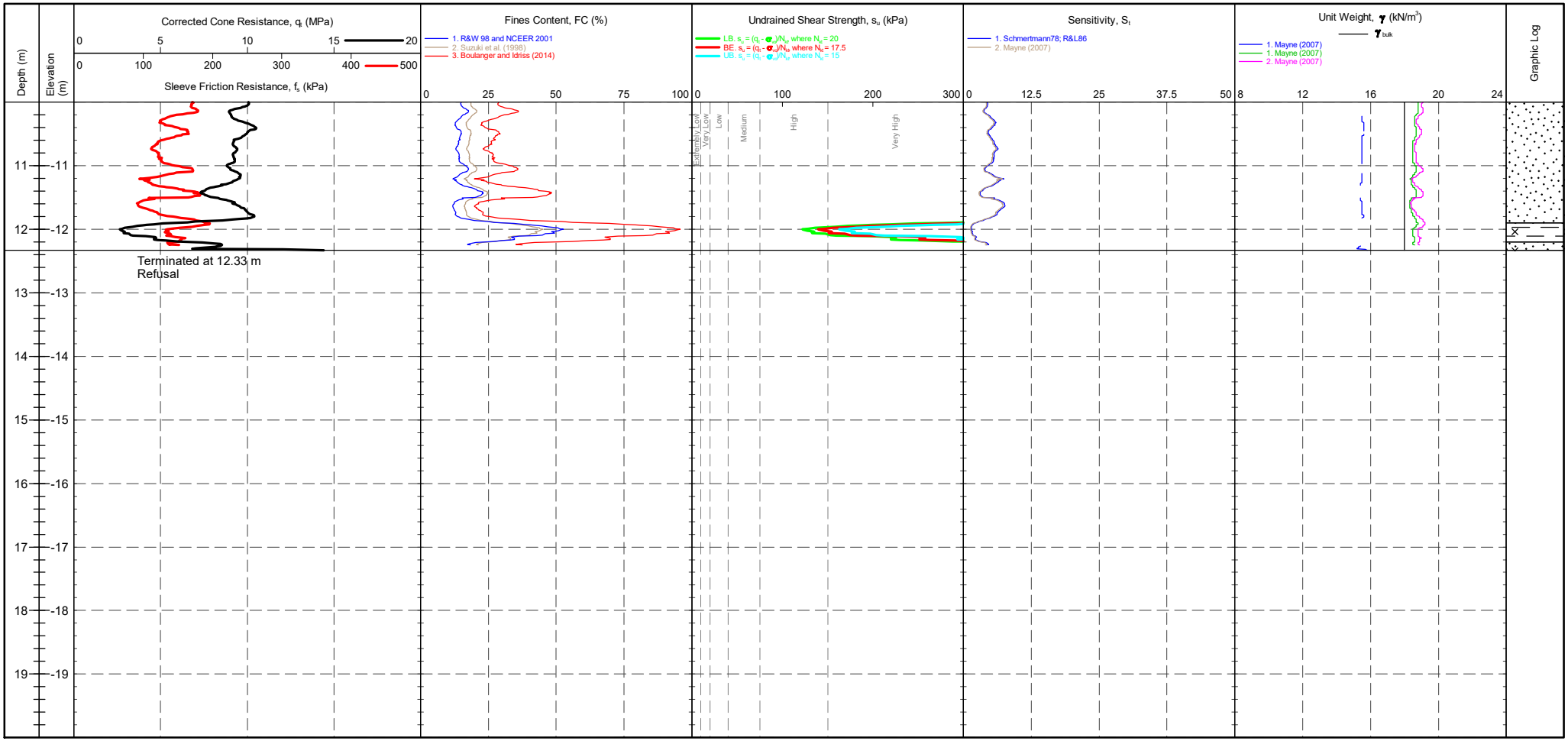
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	296 mV	967 mV	7.456 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	455 mV	1194 mV	0.533 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	287 mV	384 mV	0.029 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	X-Y Inclinometer	2507 mV	2638 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

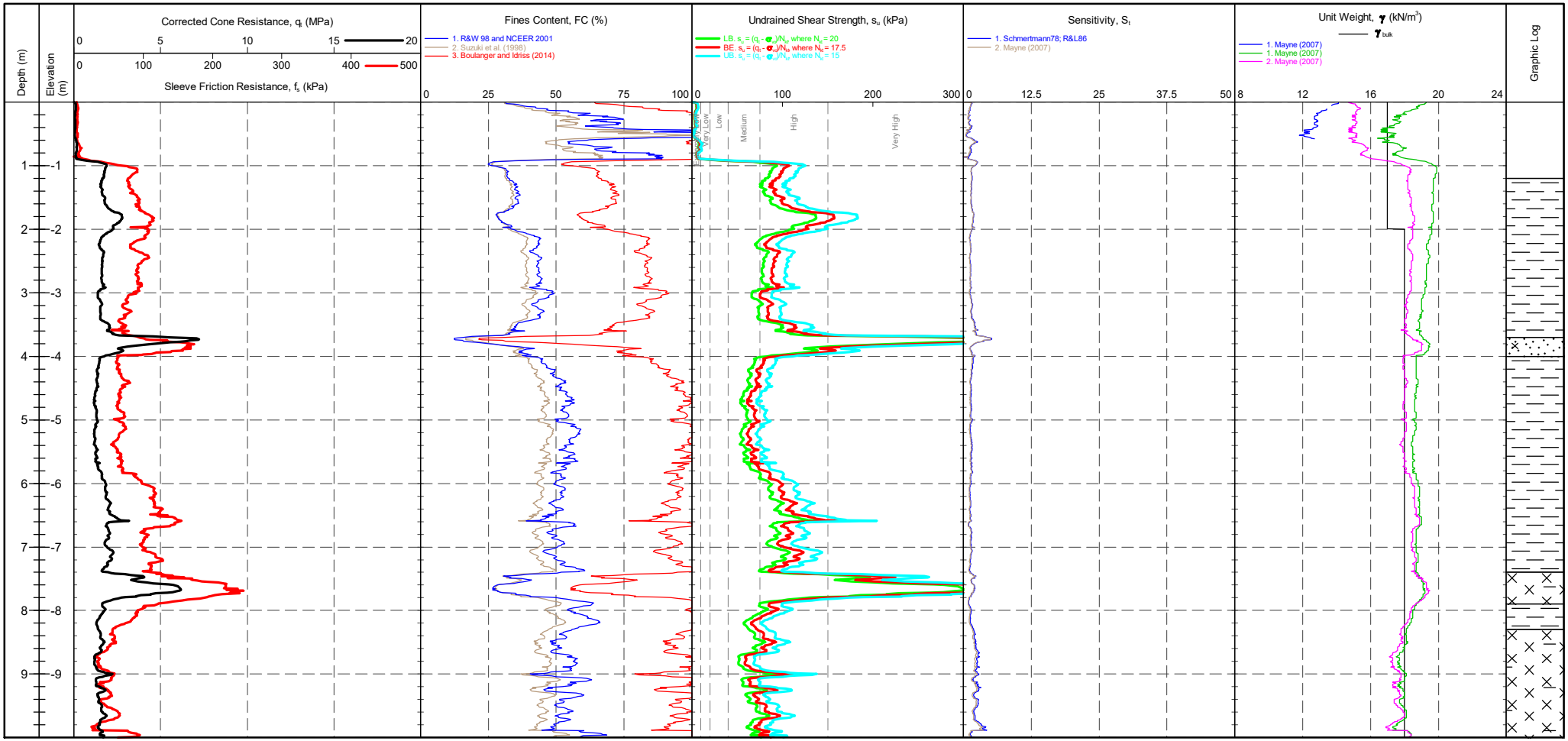
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	Pore Pressure 2	318 mV	248 mV / -0.021 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2407 mV	2469 mV

Groundwater Level

Dissipation Test

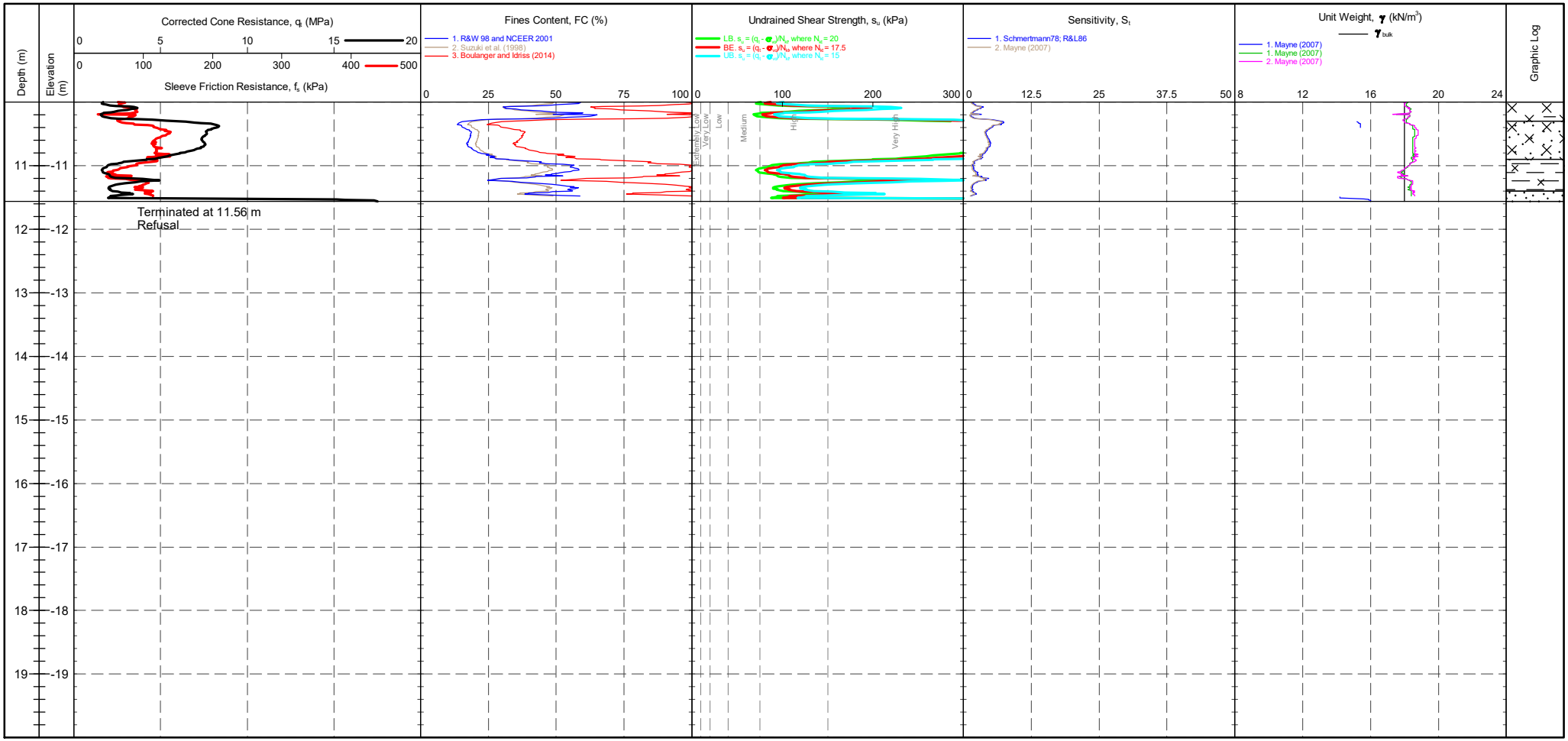
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	Pore Pressure 2	318 mV	248 mV / -0.021 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2407 mV	2469 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

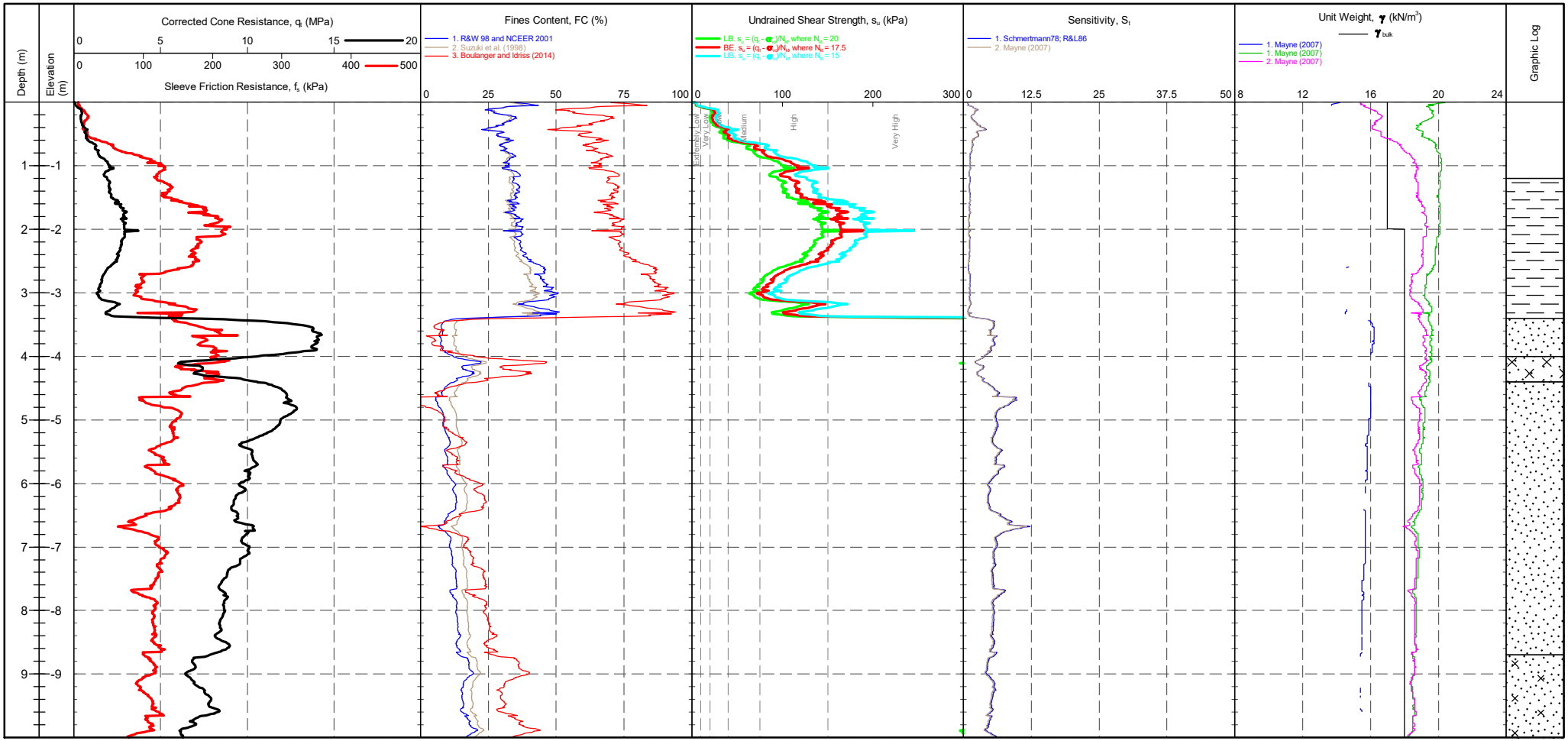
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 004

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	297 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	455 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	293 mV	288 mV	-0.002 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004	X-Y Inclinometer	2390 mV	2507 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

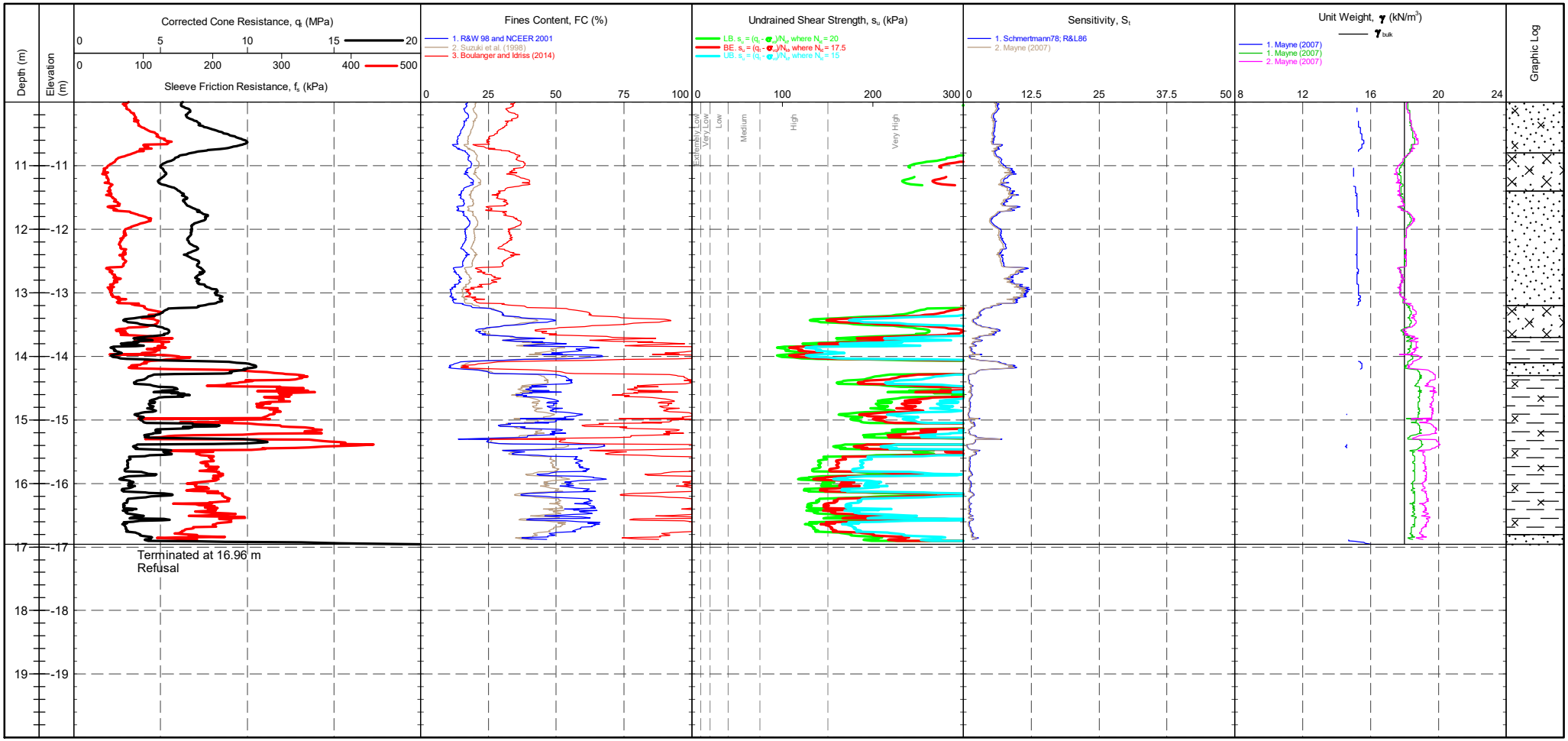
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 004

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	455 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004	Pore Pressure 2	293 mV	288 mV / -0.002 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2390 mV	2507 mV

Groundwater Level

Dissipation Test

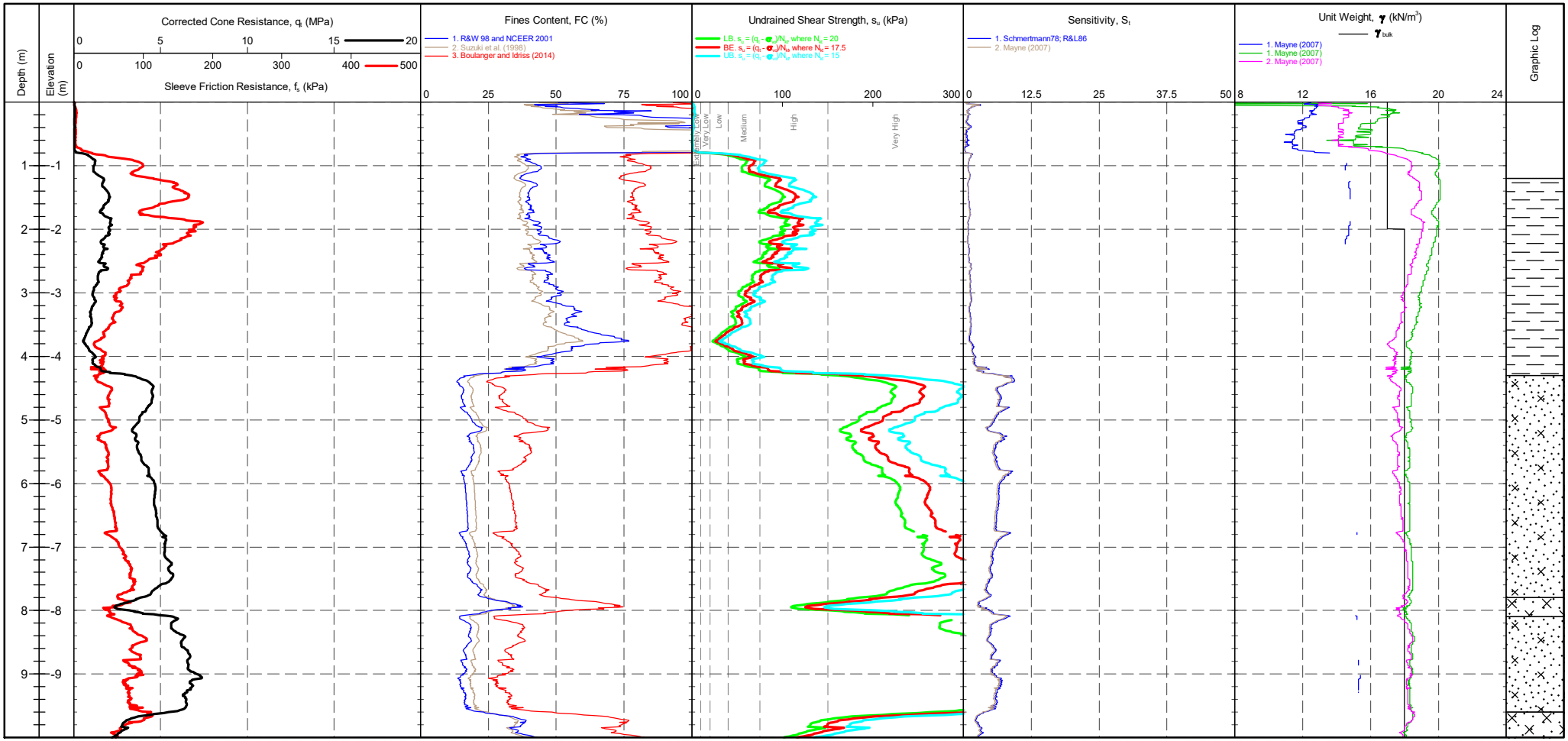
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV	-0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV	

Groundwater Level

Dissipation Test

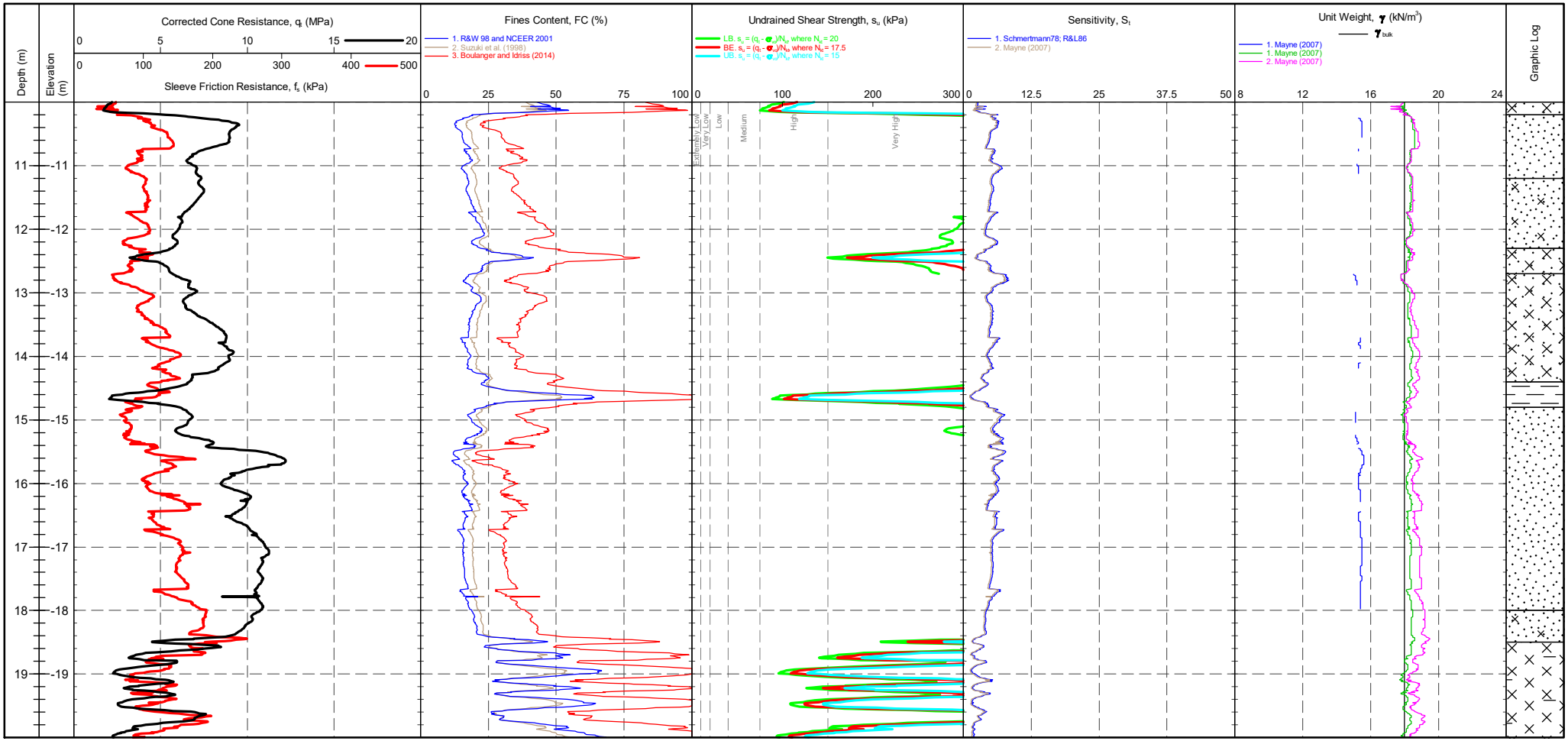
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV / -0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV / -0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV

Groundwater Level

Dissipation Test

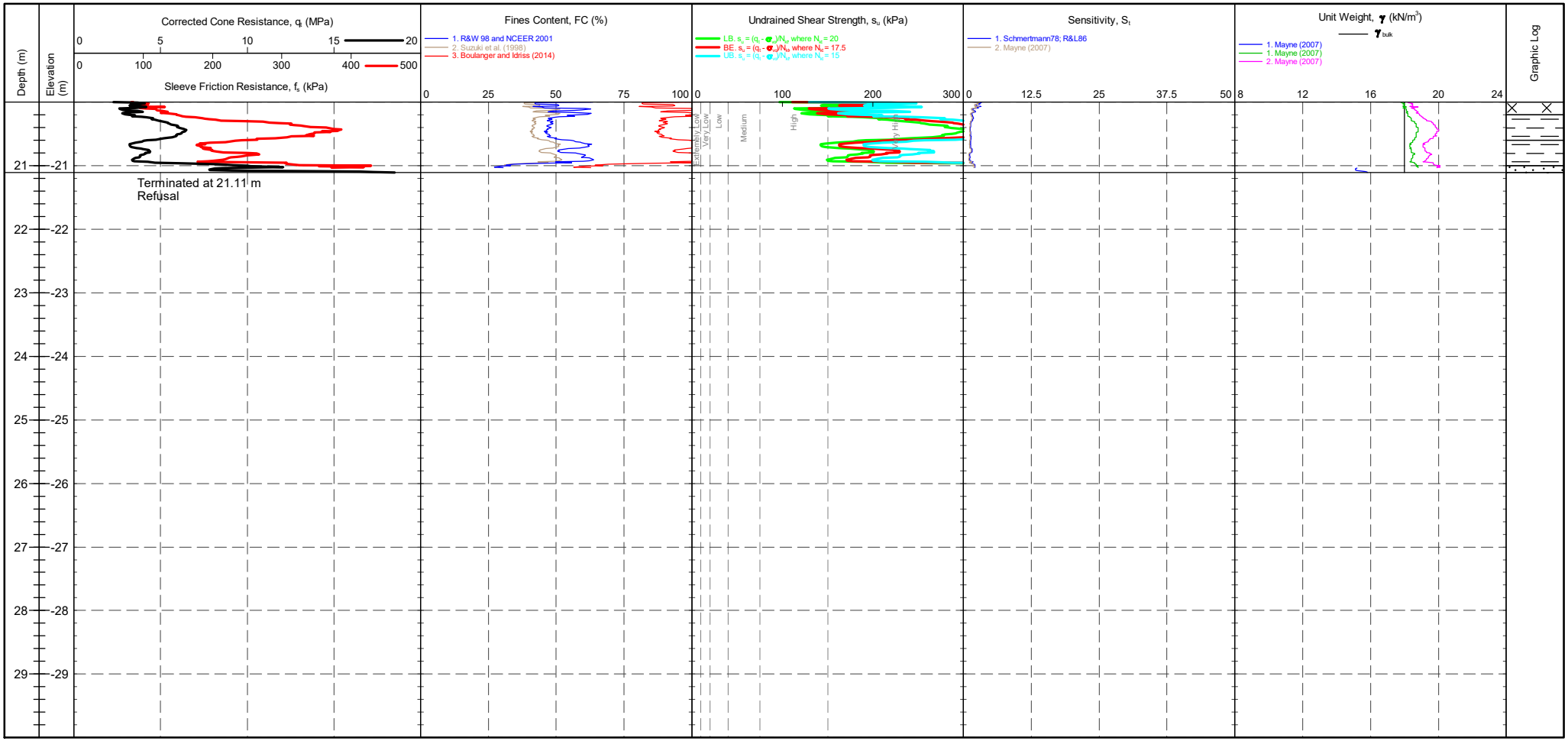
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 3 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	294 mV	-0.033 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	320 mV	291 mV	-0.009 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	X-Y Inclinometer	2484 mV	2468 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold				

Groundwater Level

Dissipation Test

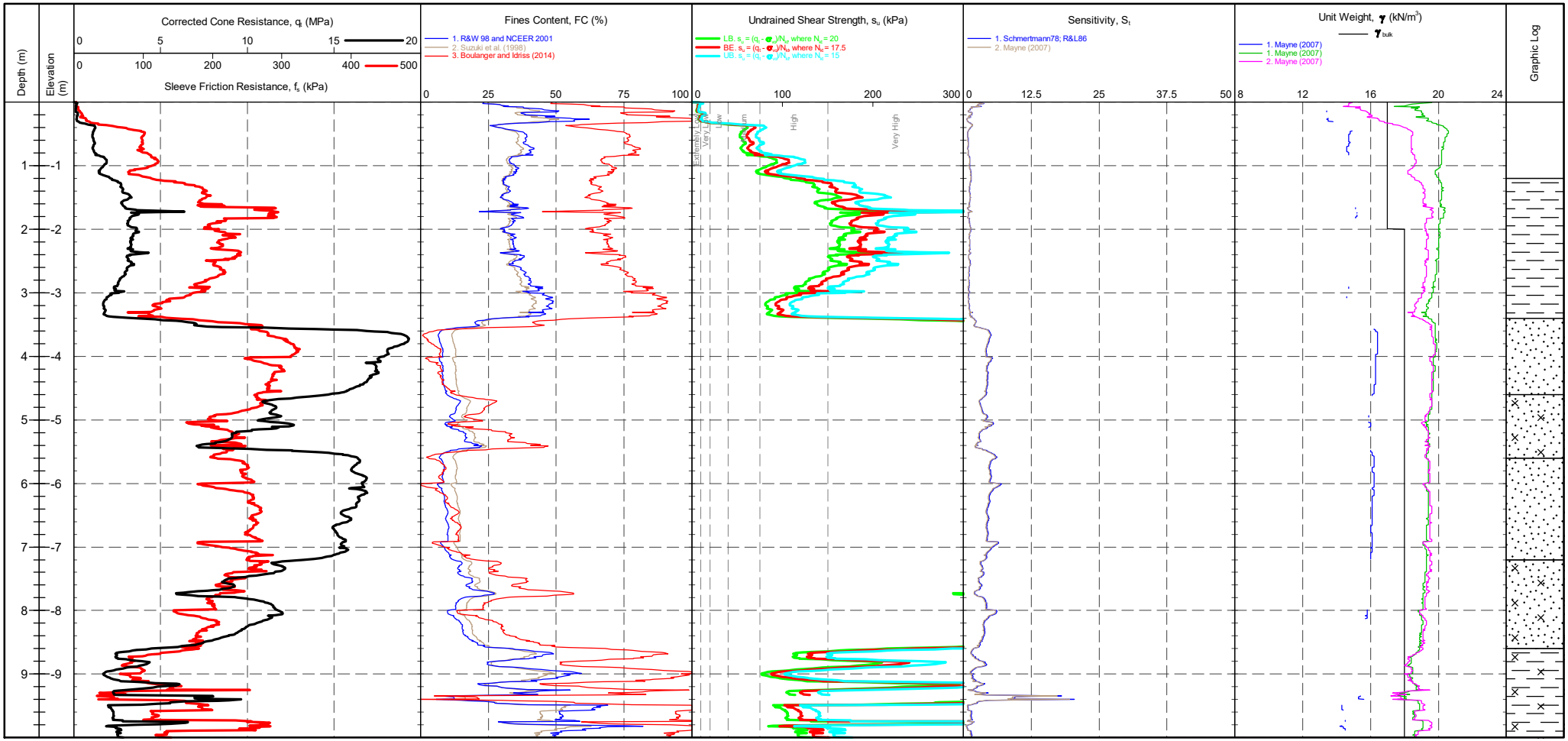
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 006

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	295 mV / -0.022 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006	Pore Pressure 2	302 mV	300 mV / -0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2382 mV	2468 mV

Groundwater Level

Dissipation Test

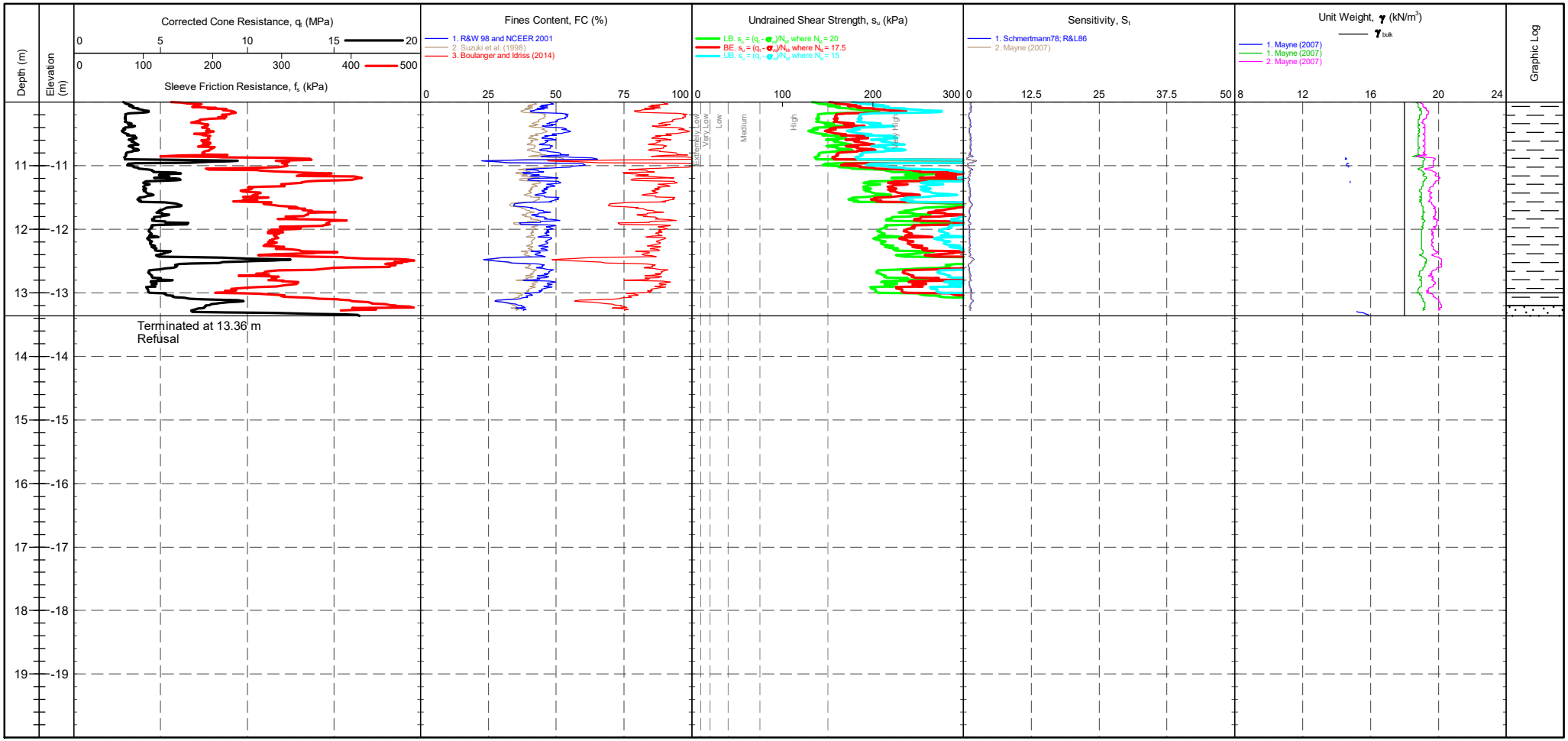
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 006

CLIENT : Dunelm Geotechnical PROJECT : Sunderland 3rd Visit LOCATION : Sunderland PROJECT No. : 1170423	EASTING : NORTHING : ELEVATION : 0.00 m CHECKED BY : LD TERMINATION REASON : Refusal	Remark : Test refused on tip resistance.	SHEET : 2 OF 2 STATUS : Final TEST DATE : 24/11/2017 PLOT DATE : 11/12/2017 METHOD : ISO 22476-1:2012		



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	295 mV	-0.022 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006	Pore Pressure 2	302 mV	300 mV	-0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2382 mV	2468 mV	

Groundwater Level

Dissipation Test

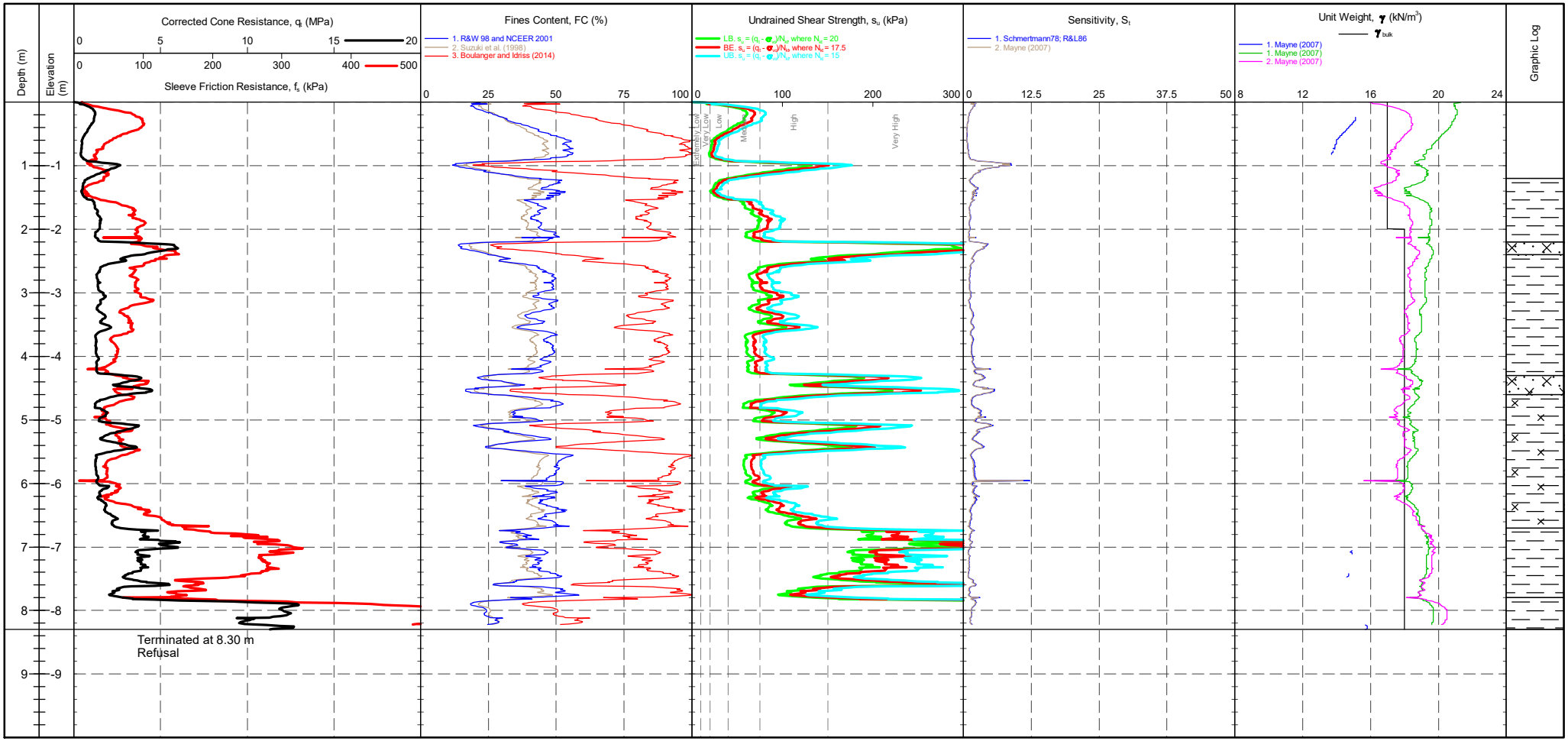
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 007

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 1
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	298 mV	298 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	457 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 007	Pore Pressure 2	299 mV	365 mV	0.02 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2587 mV	2528 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

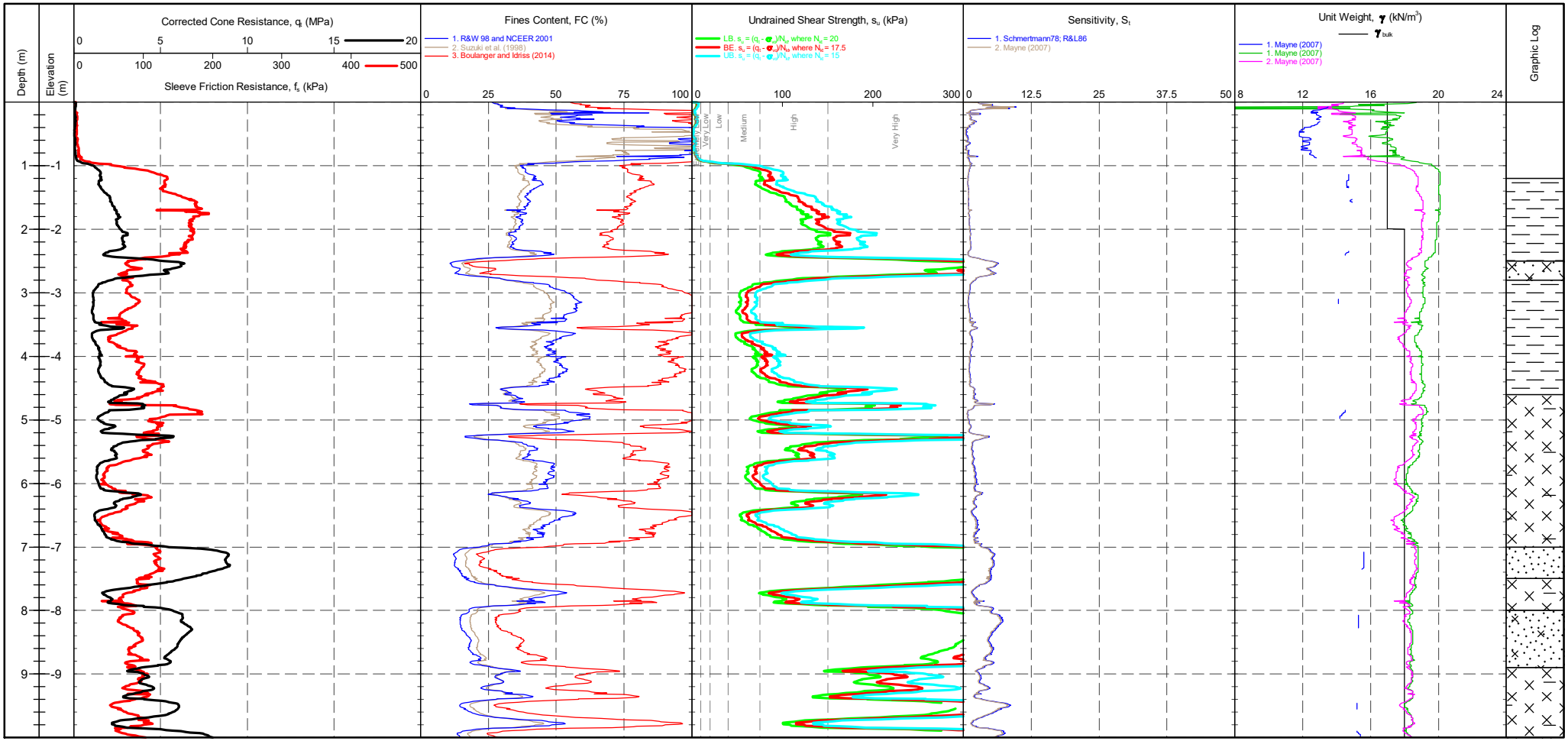
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV / 0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV

Groundwater Level

Dissipation Test

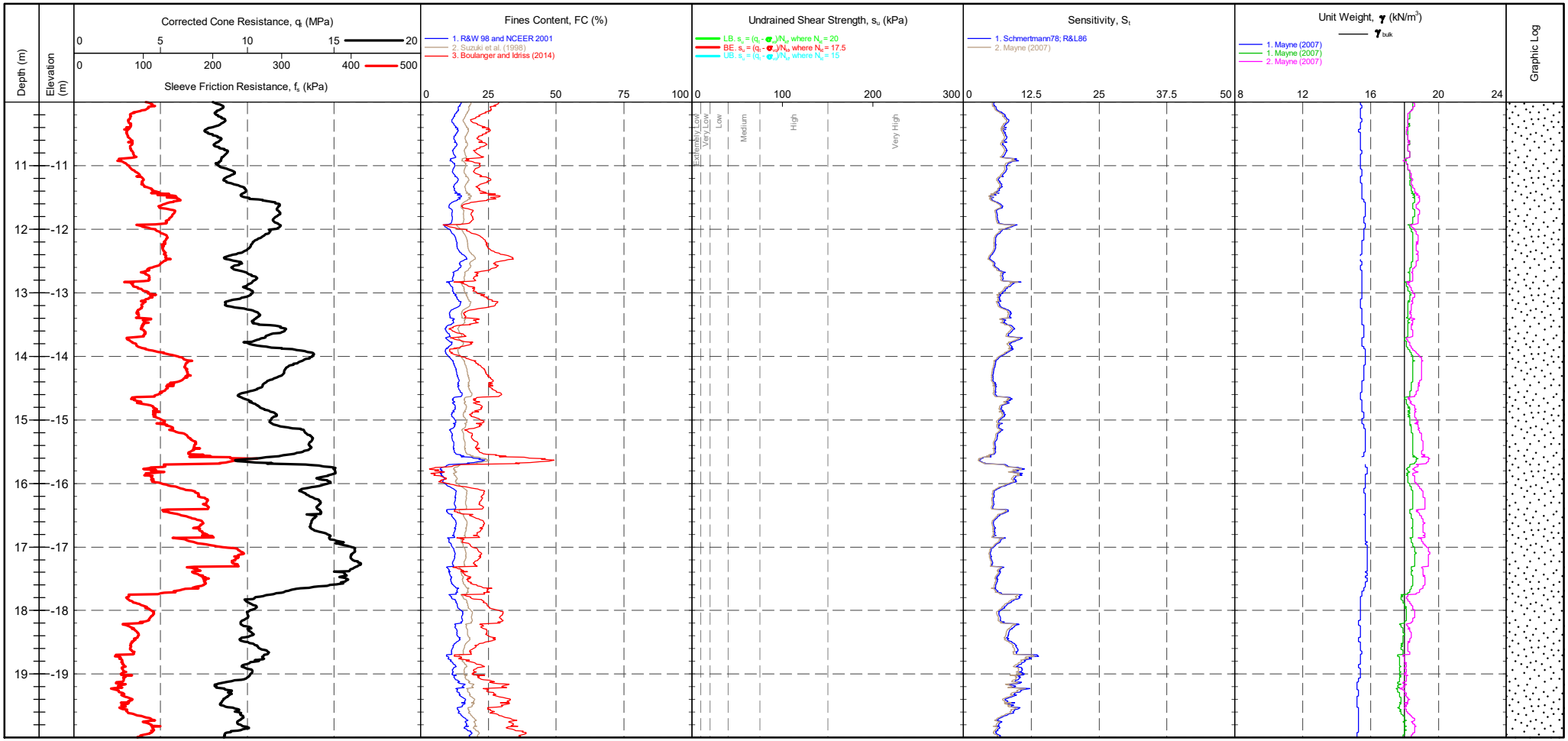
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre / Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV / 296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV / 456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV / 322 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV / 2394 mV	

Groundwater Level

Dissipation Test

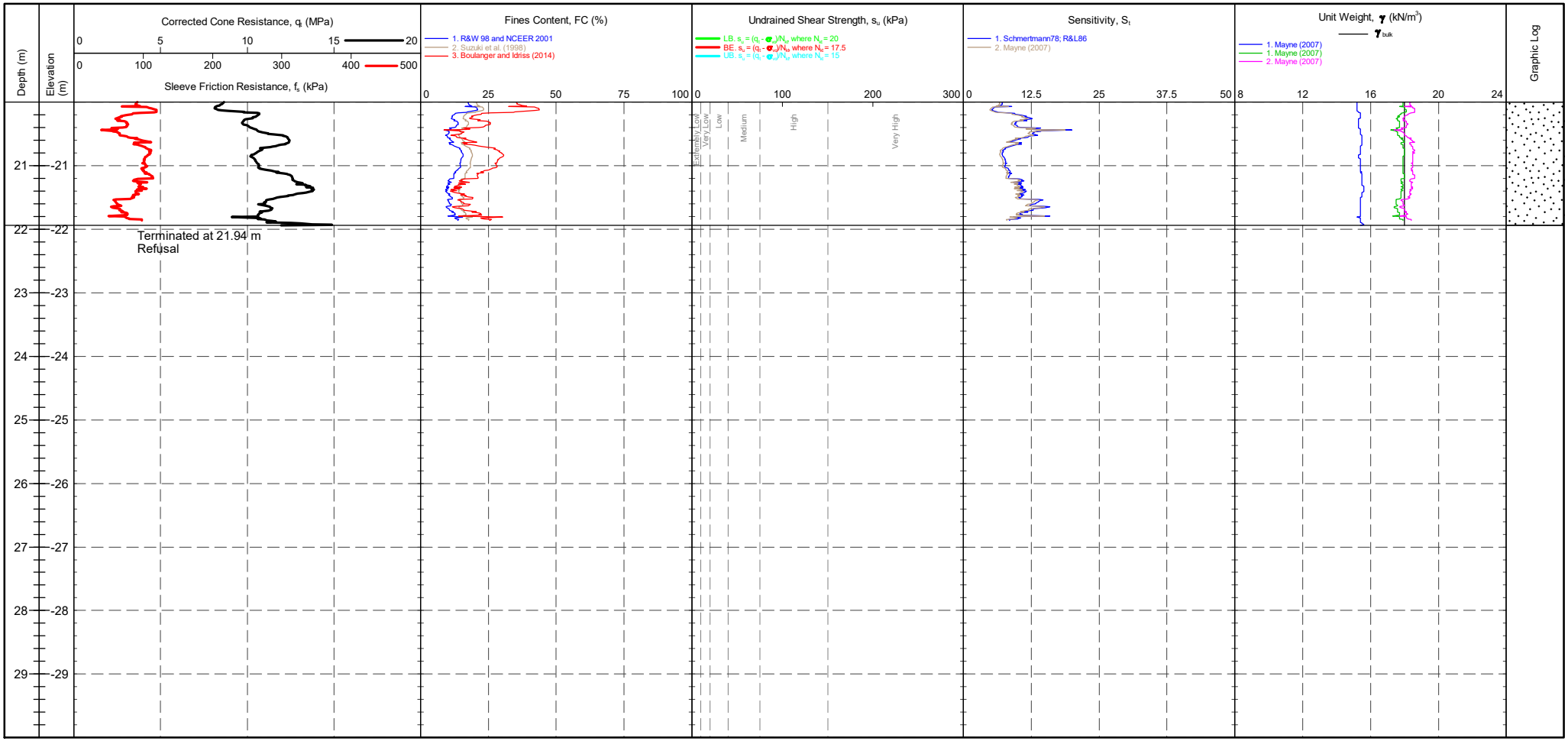
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 3 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV	

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

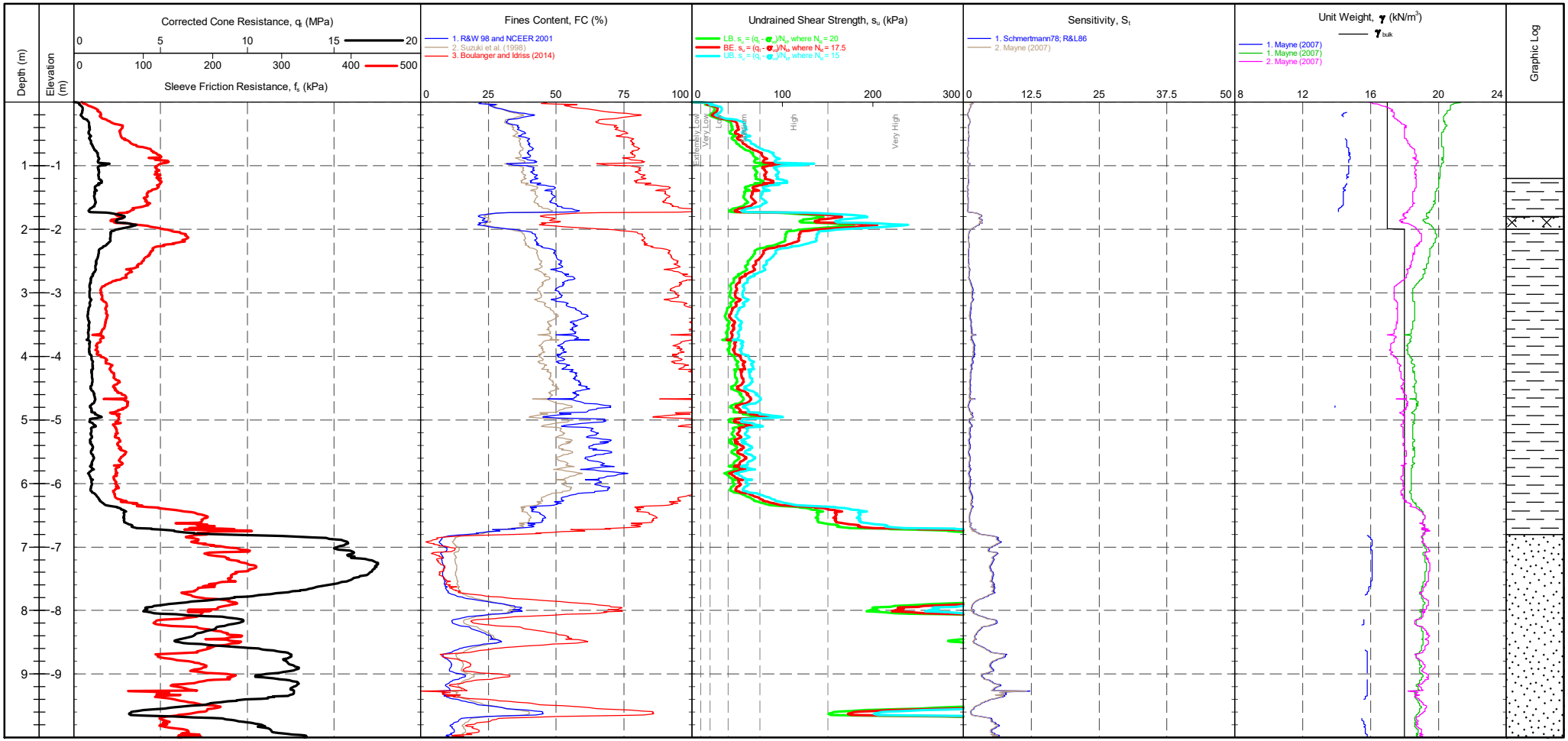
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	458 mV	457 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	Pore Pressure 2	312 mV	308 mV / -0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2390 mV	2375 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

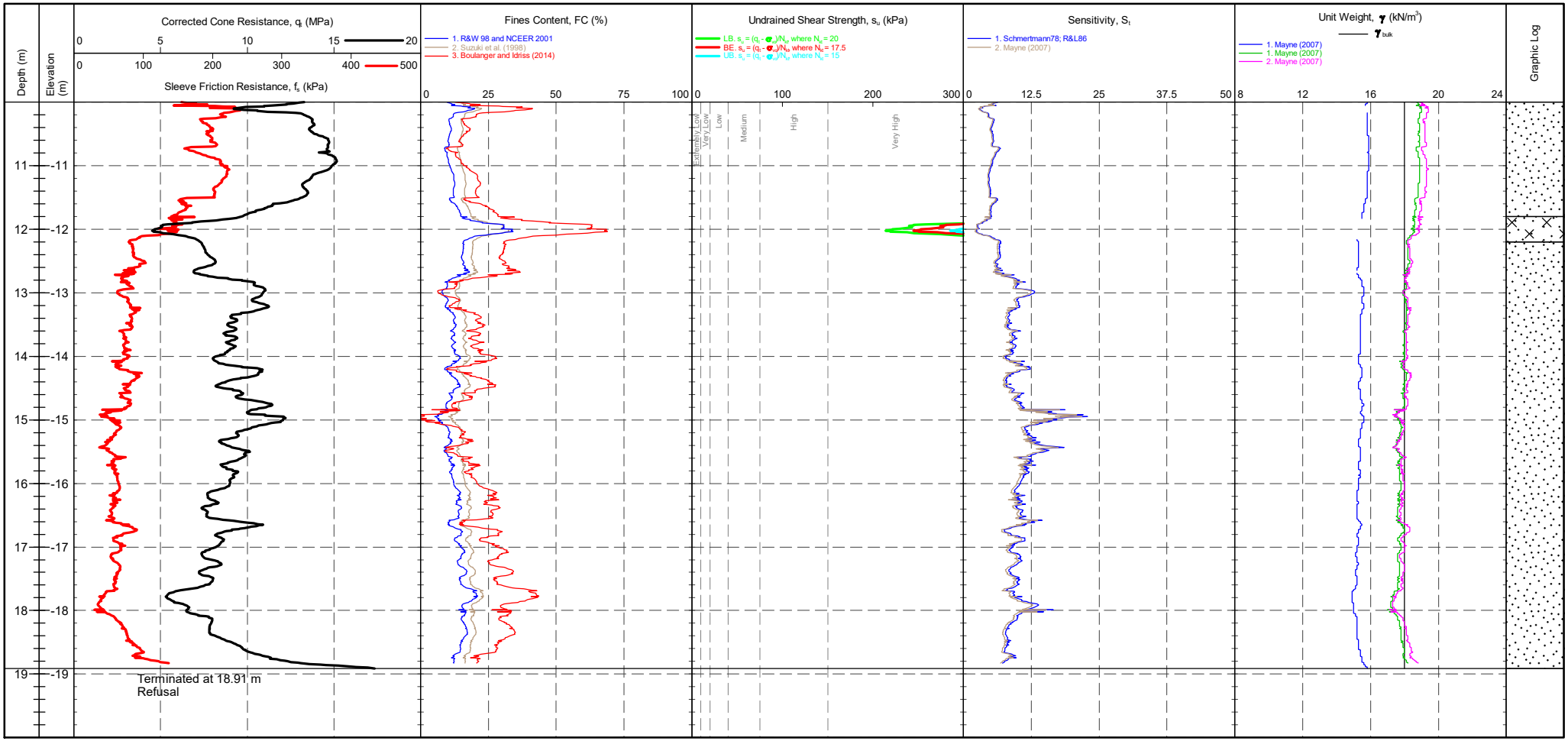
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	297 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	458 mV	457 mV	-0.001 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	312 mV	308 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	X-Y Inclinometer	2390 mV	2375 mV	
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold				

Groundwater Level

Dissipation Test

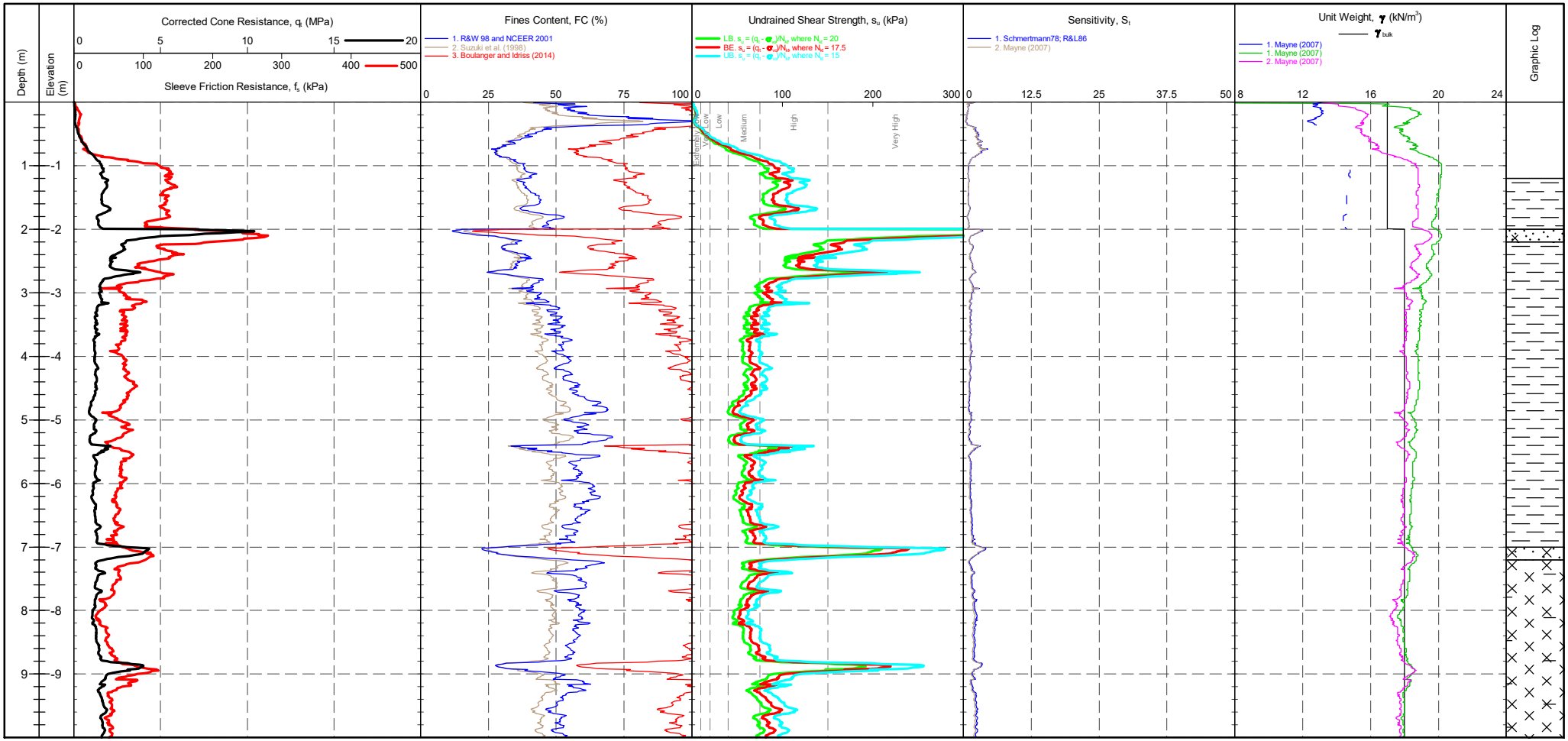
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV / 0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV / 0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	Pore Pressure 2	306 mV	278 mV / -0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2409 mV	2453 mV

Groundwater Level

Dissipation Test

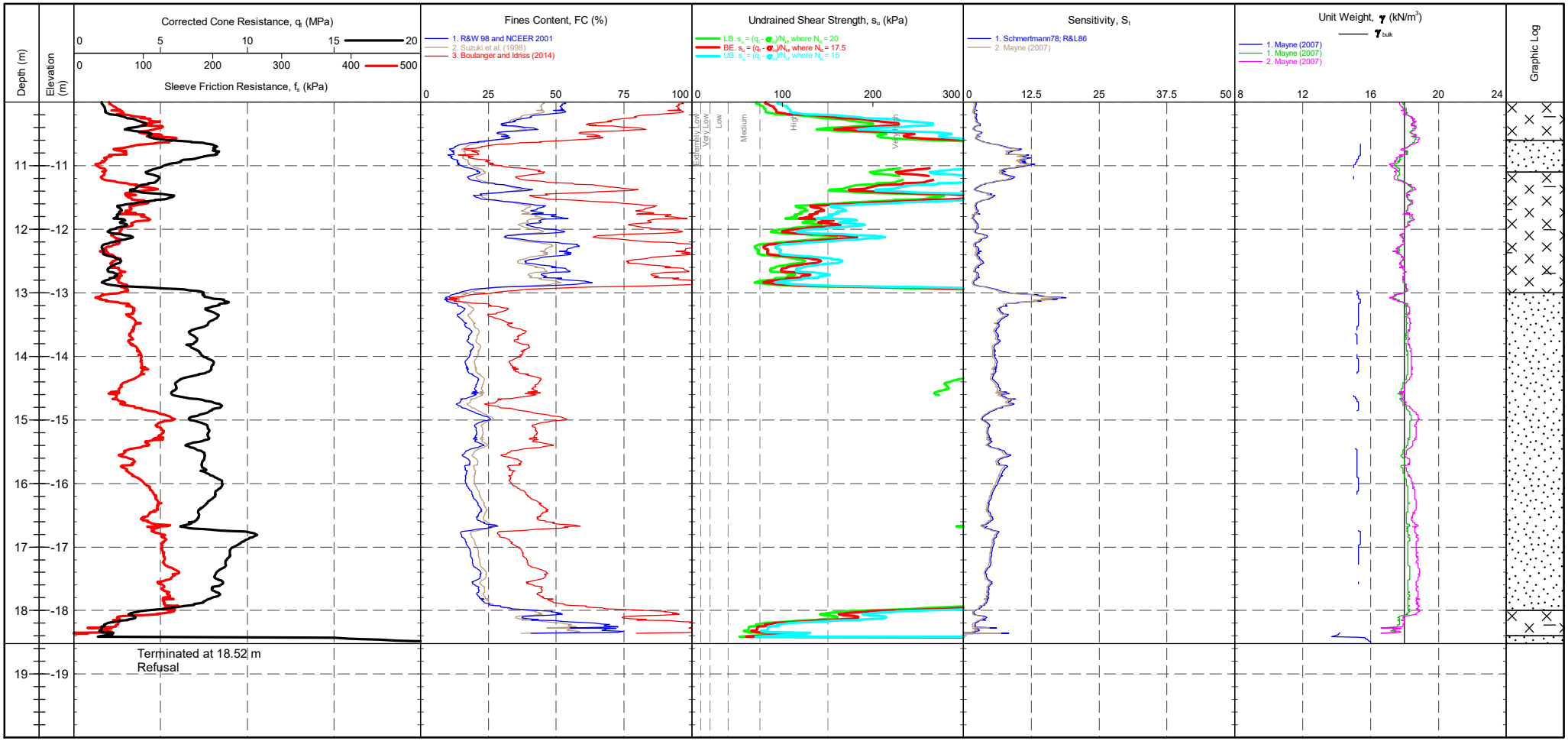
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



				CPTU ZERO VALUES			
CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	Transducer	Pre	Post	Difference
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Tip	297 mV	297 mV	0 MPa
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Sleeve	456 mV	456 mV	0 kPa
FILTER POSITION	: u2	OPERATOR	: BB	Pore Pressure 2	306 mV	278 mV	-0.008 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	X-Y Inclinometer	2409 mV	2453 mV	
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild				

Groundwater Level

Dissipation Test

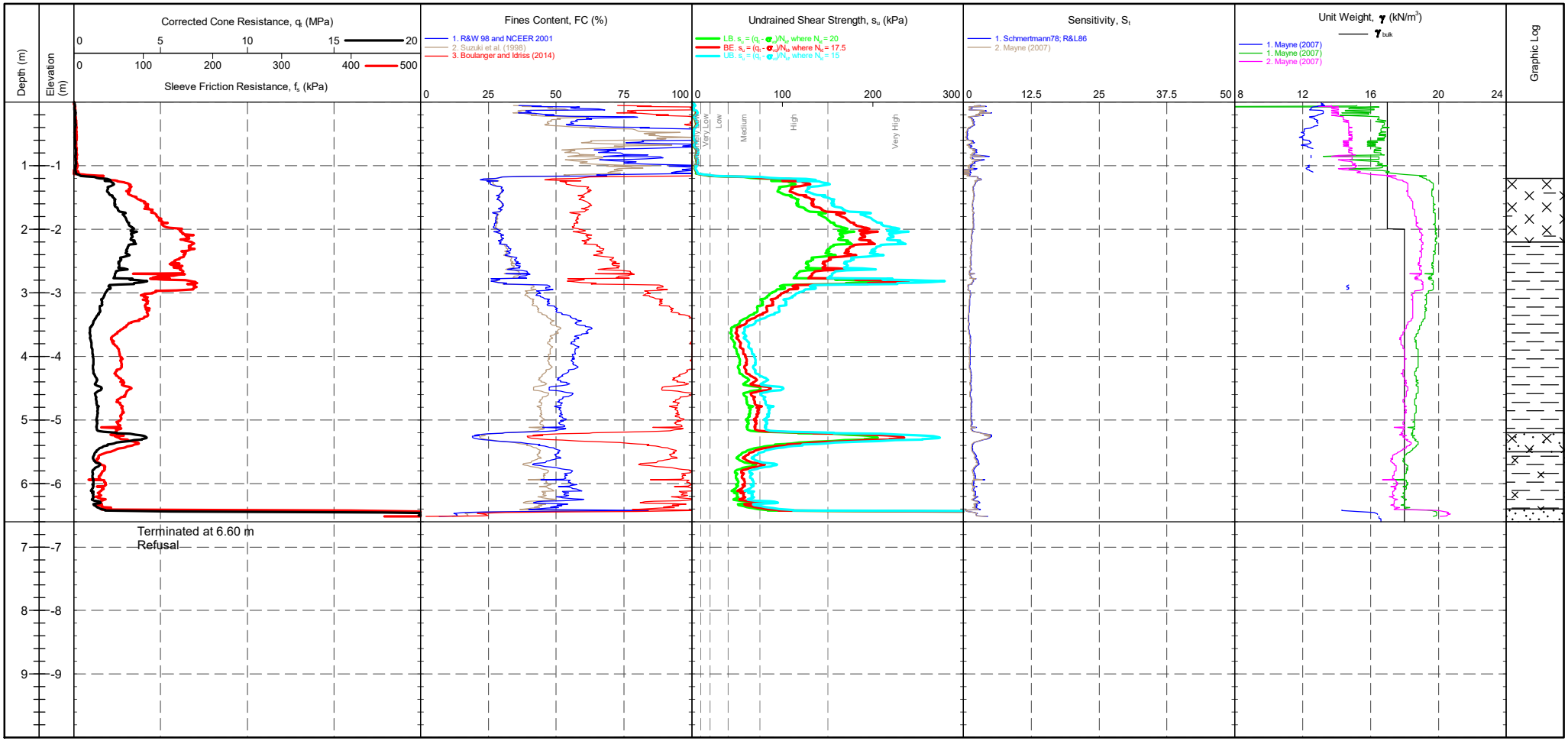
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 03

PointID

CPT M001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 1
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post / Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	294 mV	295 mV / 0.011 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	454 mV / -0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT M001	Pore Pressure 2	299 mV	315 mV / 0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2480 mV

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

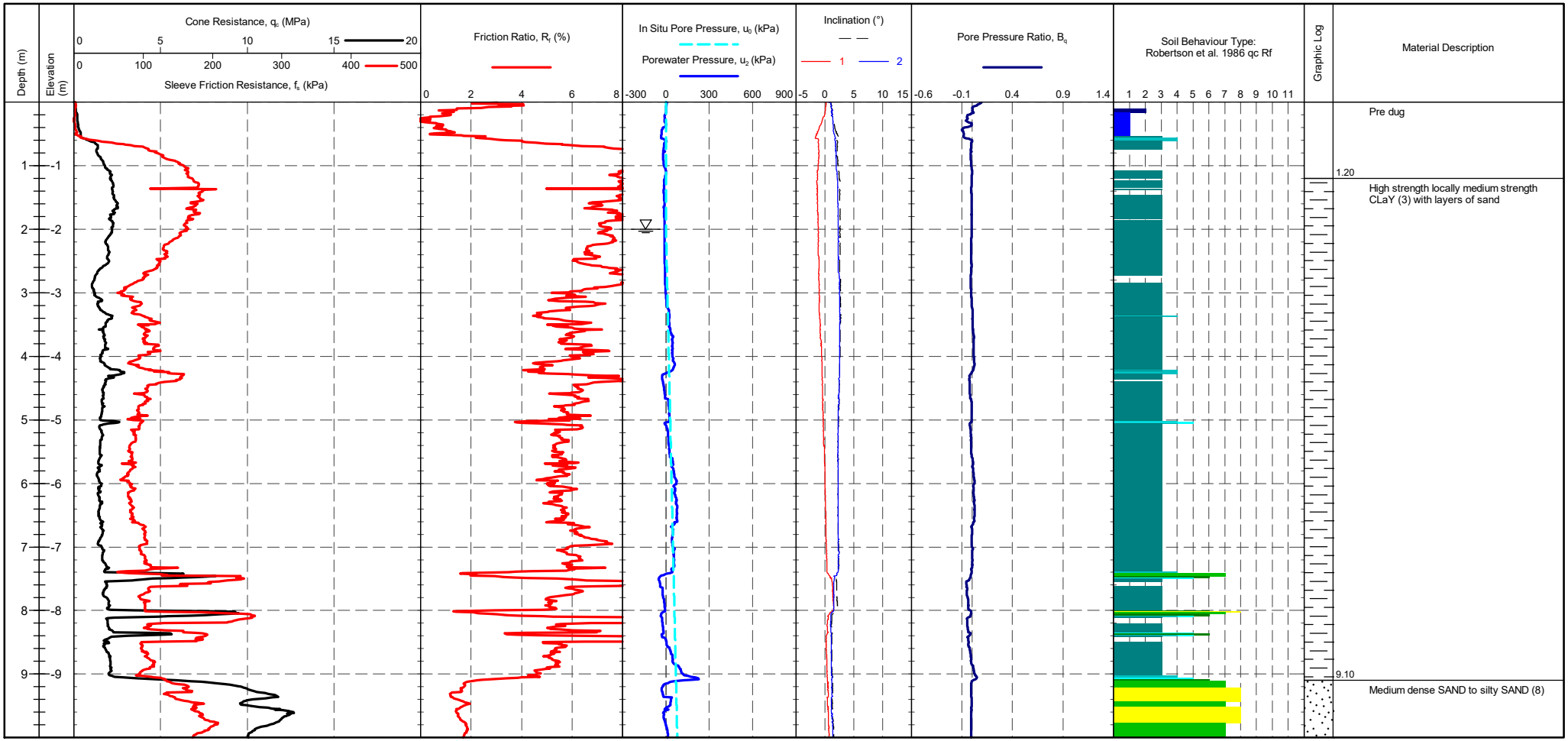
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 001

CLIENT	: Dunelm Geotechnical	EASTING	:	Remark :	SHEET : 1 OF 2
PROJECT	: Sunderland 3rd Visit	NORTHING	:	Test refused on total pressure.	STATUS : Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m		TEST DATE : 23/11/2017
PROJECT No.	: 1170423	CHECKED BY	: LD		PLOT DATE : 11/12/2017
		TERMINATION REASON	: Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	967 mV	7.456 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	1194 mV	0.533 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	Pore Pressure 2	287 mV	384 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2638 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

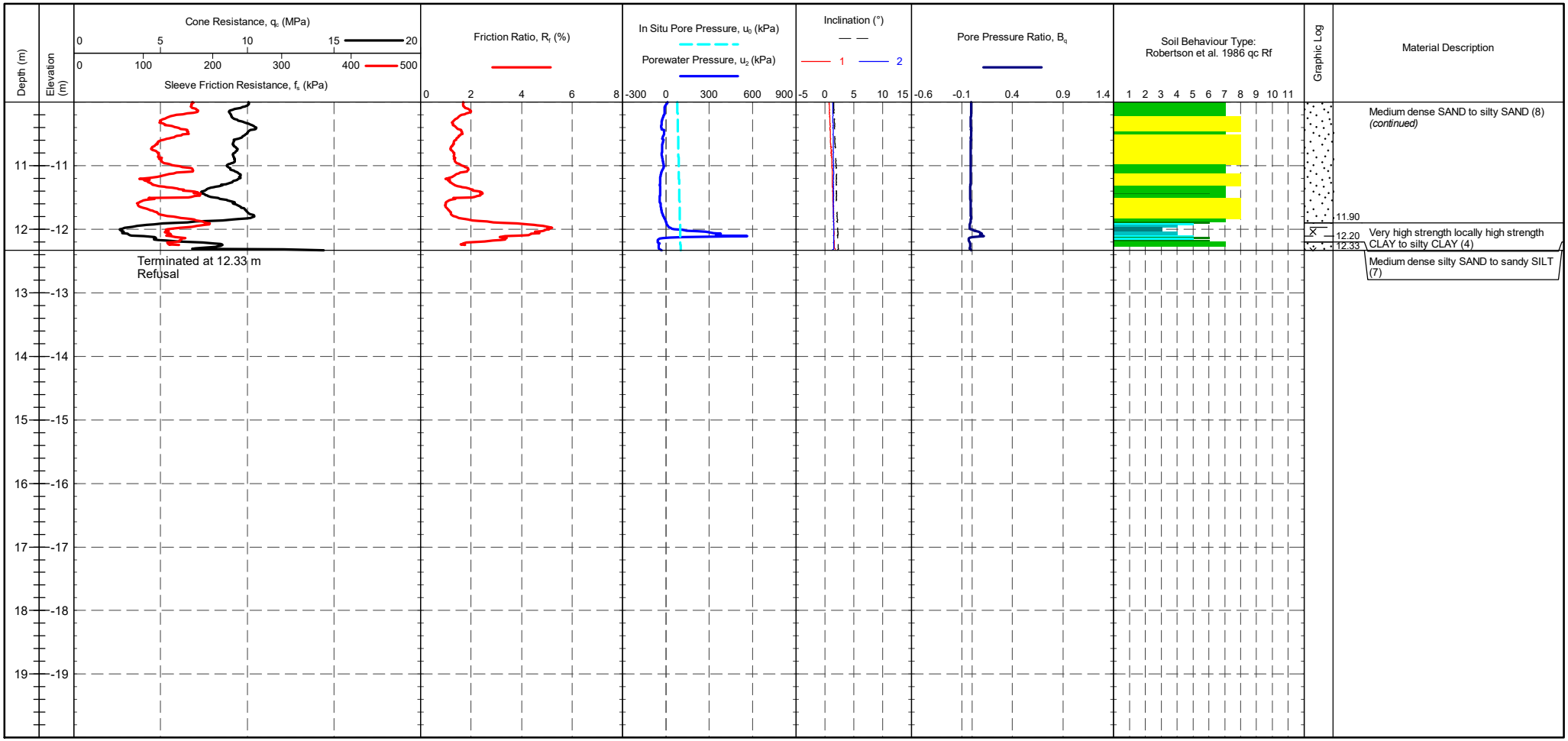
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	967 mV	7.456 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	1194 mV	0.533 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 001	Pore Pressure 2	287 mV	384 mV	0.029 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2507 mV	2638 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

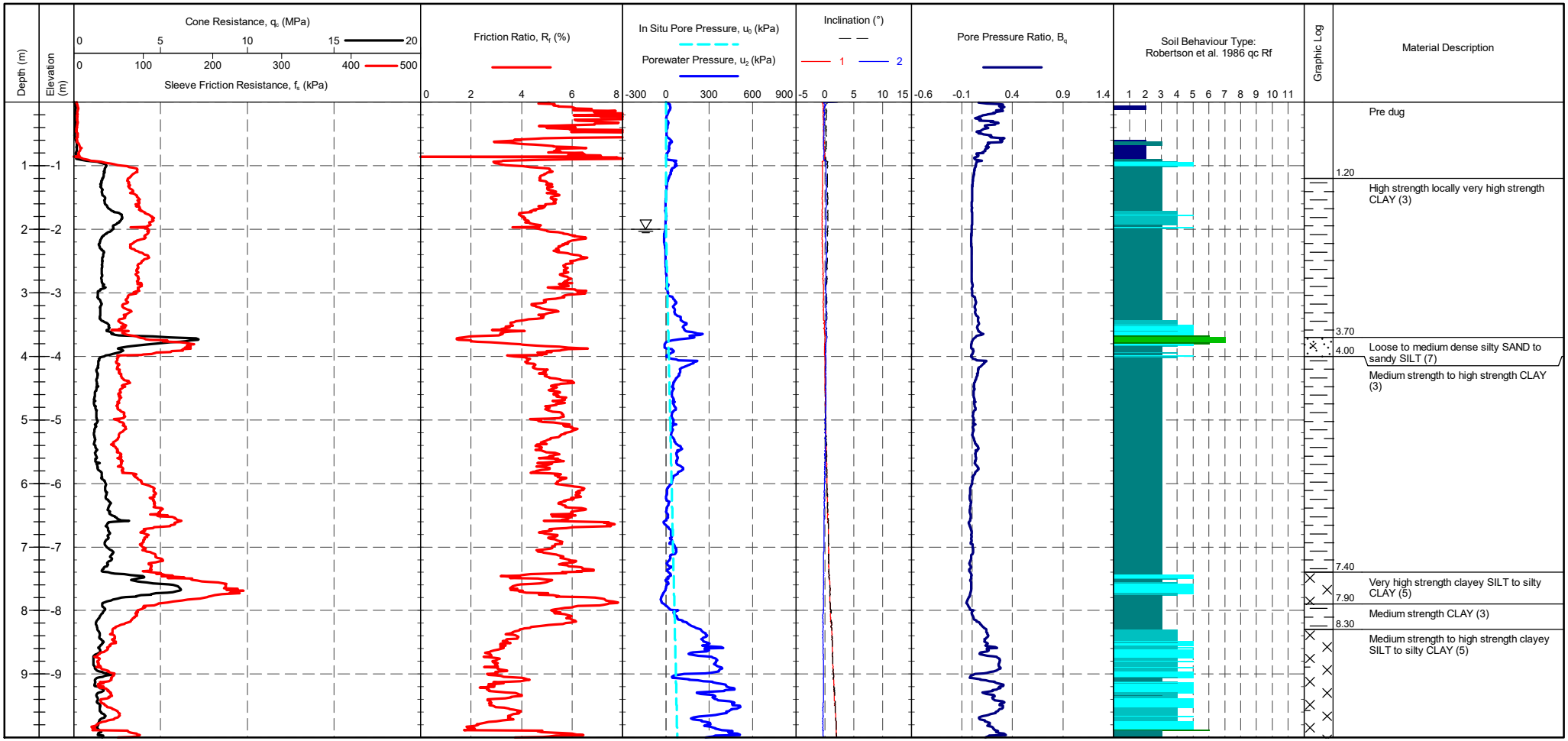
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	Pore Pressure 2	318 mV	248 mV	-0.021 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2407 mV	2469 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

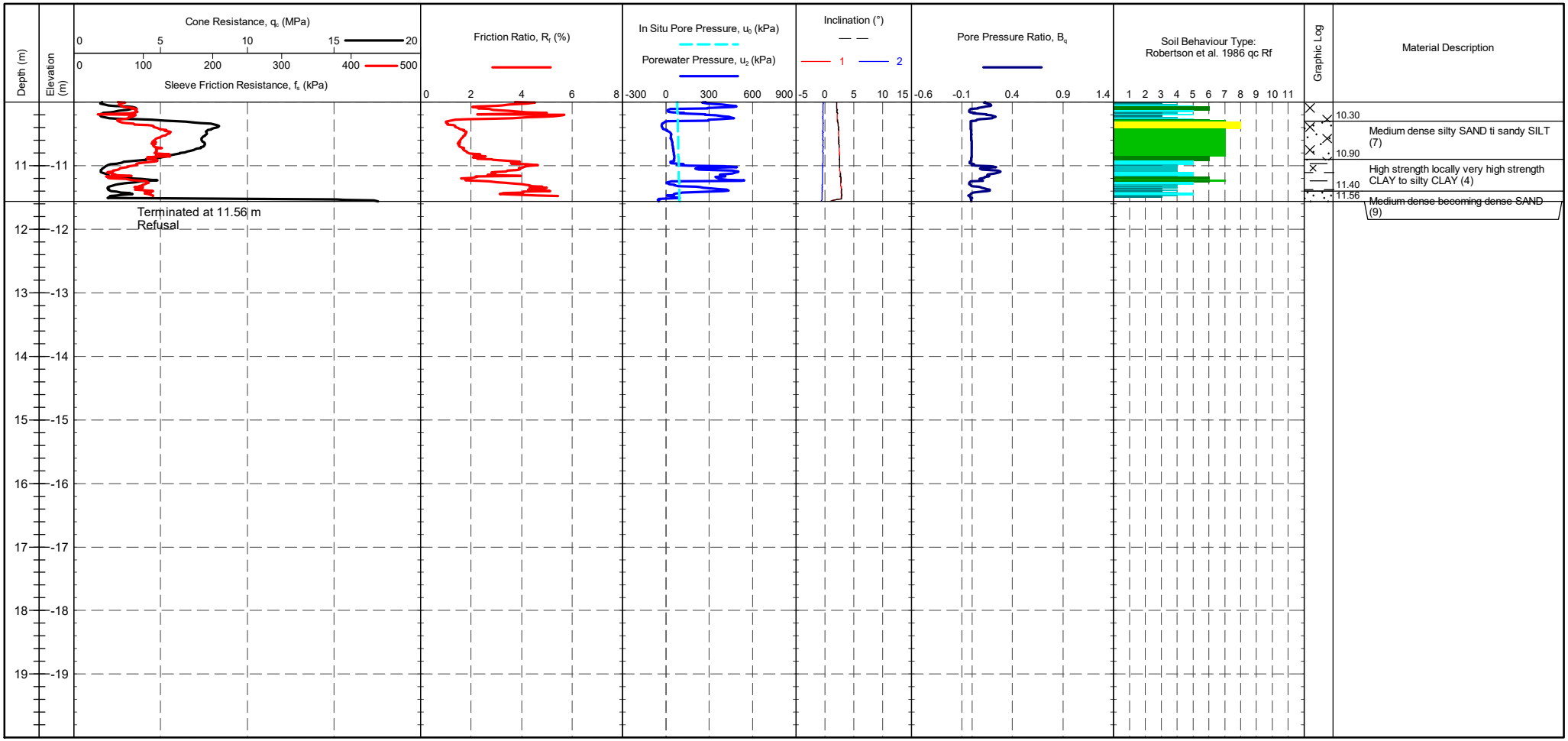
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 002

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 002	Pore Pressure 2	318 mV	248 mV	-0.021 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2407 mV	2469 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

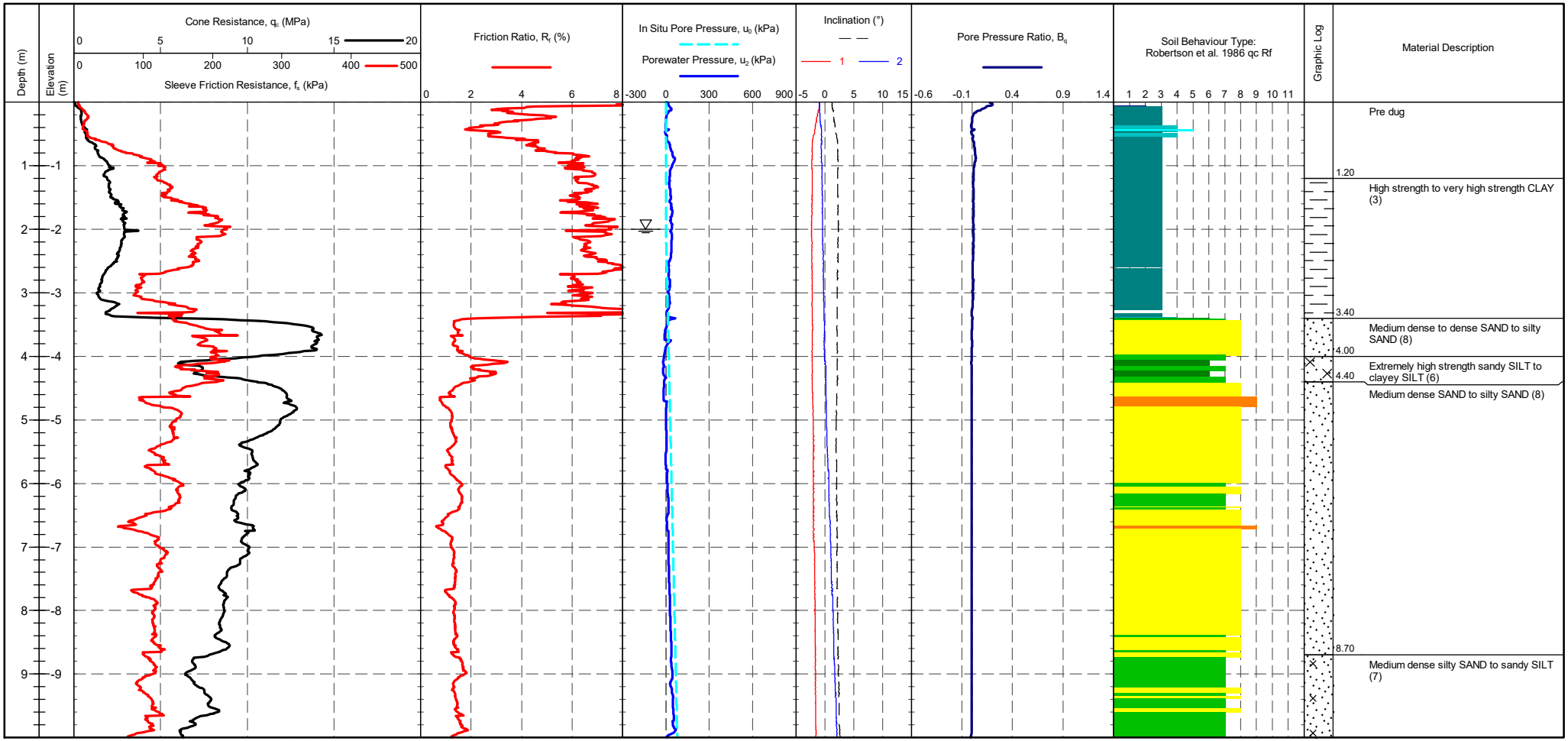
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 004

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	455 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004	Pore Pressure 2	293 mV	288 mV	-0.002 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2390 mV	2507 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

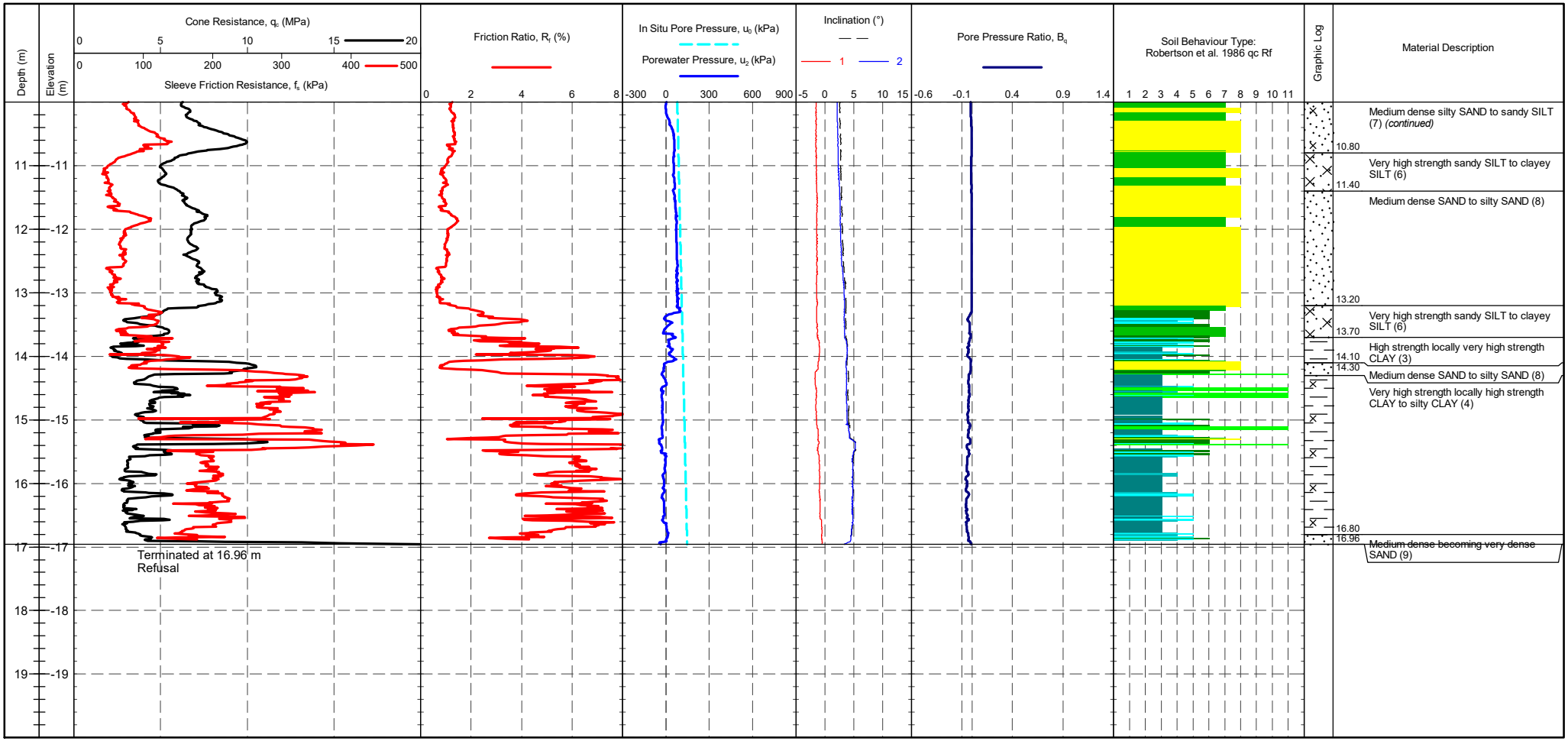
Dissipation Test

IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID **CPT 004**

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 006		
FILTER POSITION	: u2	OPERATOR	: BB		
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004		
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	297 mV	297 mV	0 MPa
Sleeve	456 mV	455 mV	-0.001 kPa
Pore Pressure 2	293 mV	288 mV	-0.002 kPa
X-Y Inclinometer	2390 mV	2507 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

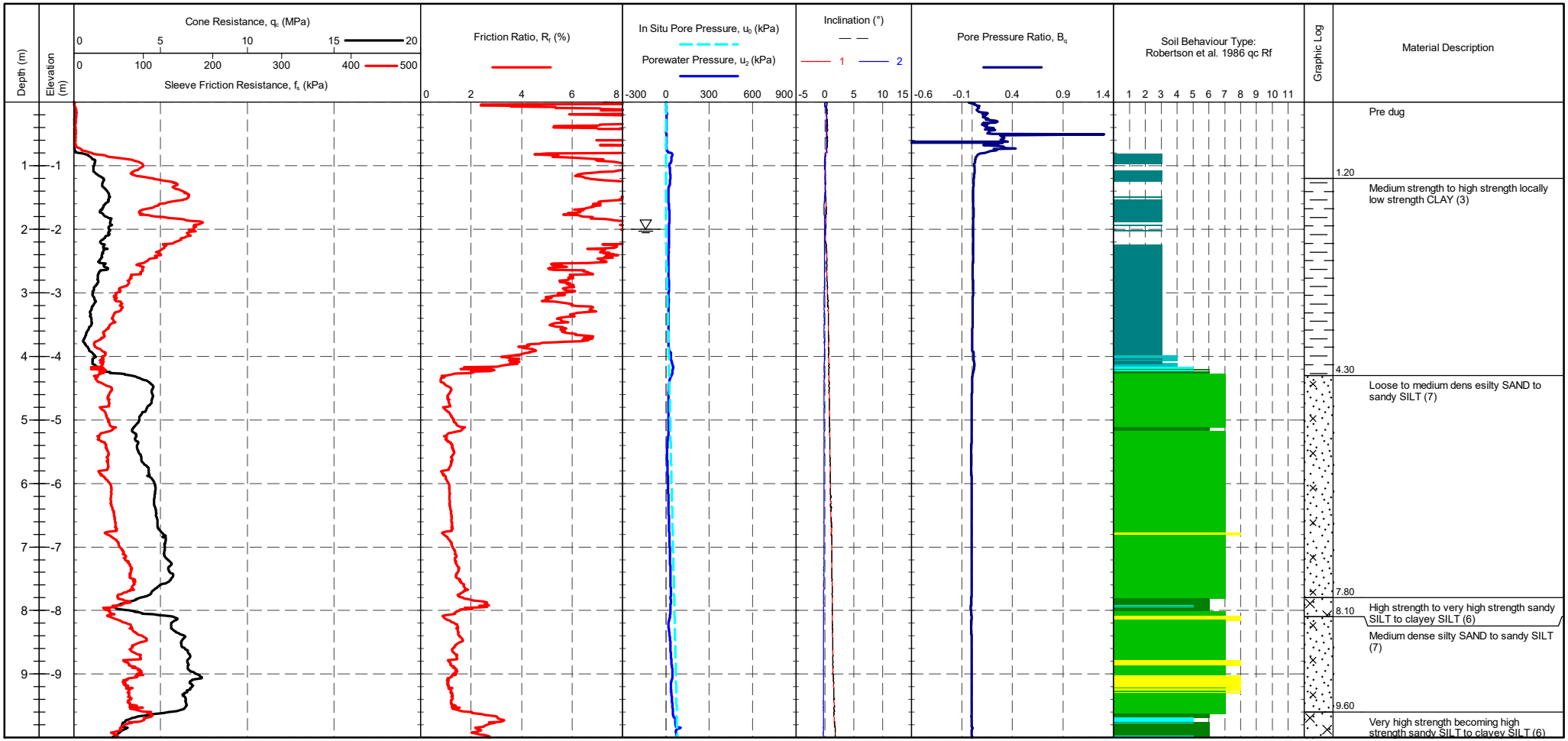
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 006		
FILTER POSITION	: u2	OPERATOR	: BB		
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A		
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	297 mV	294 mV	-0.033 MPa
Sleeve	456 mV	454 mV	-0.001 kPa
Pore Pressure 2	320 mV	291 mV	-0.009 kPa
X-Y Inclinometer	2484 mV	2468 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

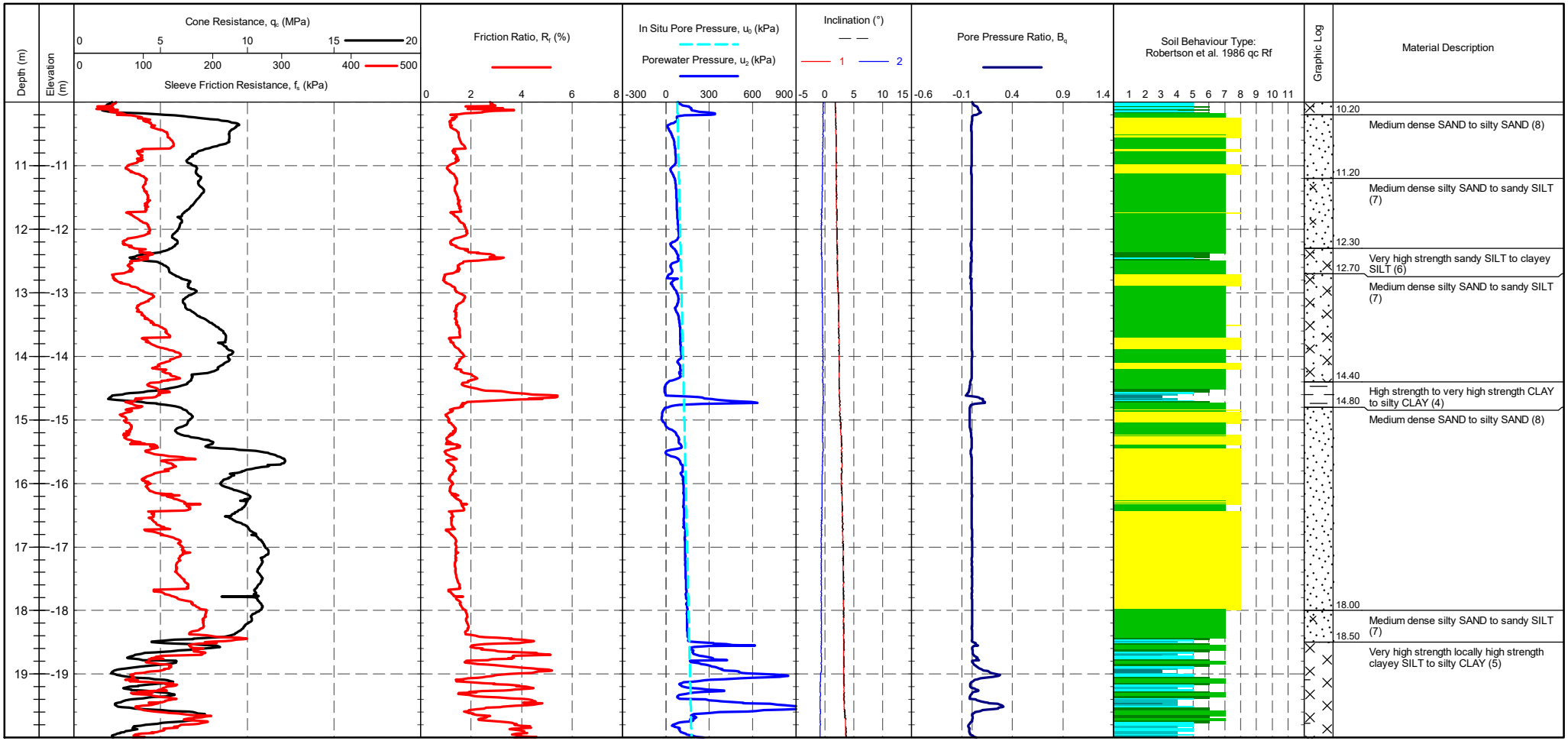
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 004 A

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 006		
FILTER POSITION	: u2	OPERATOR	: BB		
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A		
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	297 mV	294 mV	-0.033 MPa
Sleeve	456 mV	454 mV	-0.001 kPa
Pore Pressure 2	320 mV	291 mV	-0.009 kPa
X-Y Inclinometer	2484 mV	2468 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

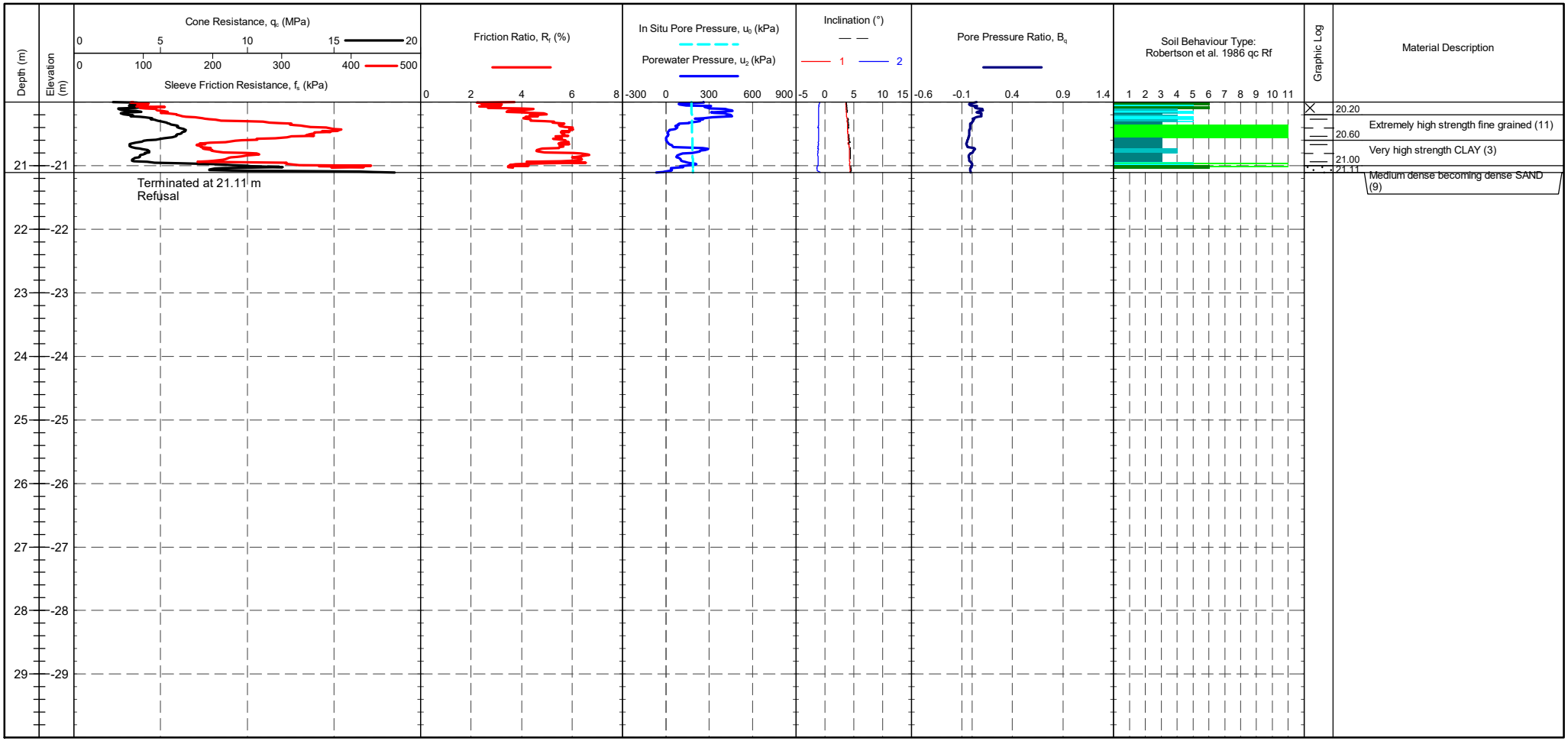
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 004 A

CLIENT	: Dunelm Geotechnical	EASTING	:	Remark	:	SHEET	: 3 OF 3
PROJECT	: Sunderland 3rd Visit	NORTHING	:	Test refused on tip resistance.		STATUS	: Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m			TEST DATE	: 24/11/2017
PROJECT No.	: 1170423	CHECKED BY	: LD			PLOT DATE	: 11/12/2017
		TERMINATION REASON	: Refusal			METHOD	: ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	294 mV	-0.033 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 004 A	Pore Pressure 2	320 mV	291 mV	-0.009 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2484 mV	2468 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

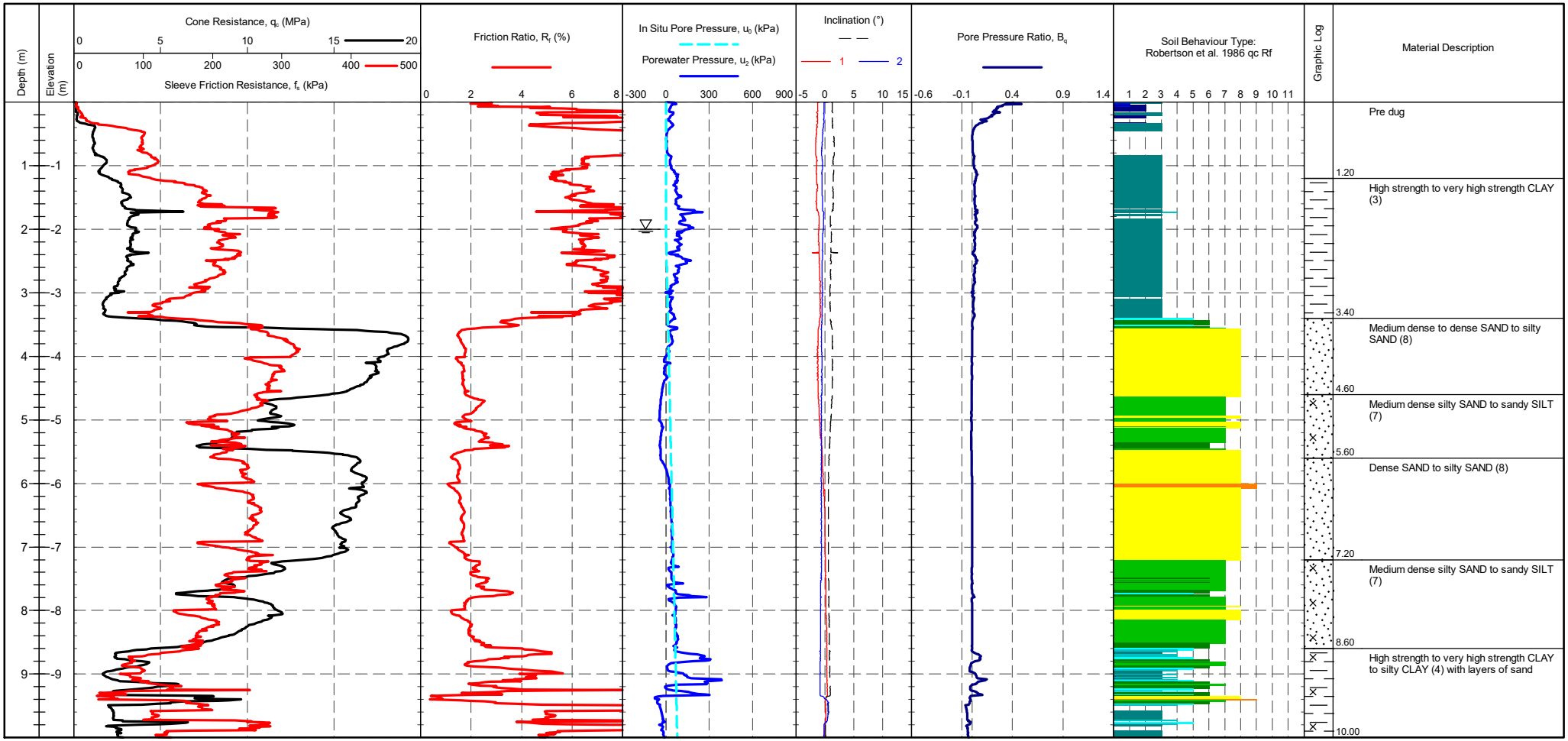
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 006

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2		
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2		
CONE AREA RATIO	: 0.79	RIG	: CPT 006		
FILTER POSITION	: u2	OPERATOR	: BB		
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006		
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold		

CPTU ZERO VALUES

Transducer	Pre	Post	Difference
Tip	297 mV	295 mV	-0.022 MPa
Sleeve	456 mV	454 mV	-0.001 kPa
Pore Pressure 2	302 mV	300 mV	-0.001 kPa
X-Y Inclinometer	2382 mV	2468 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

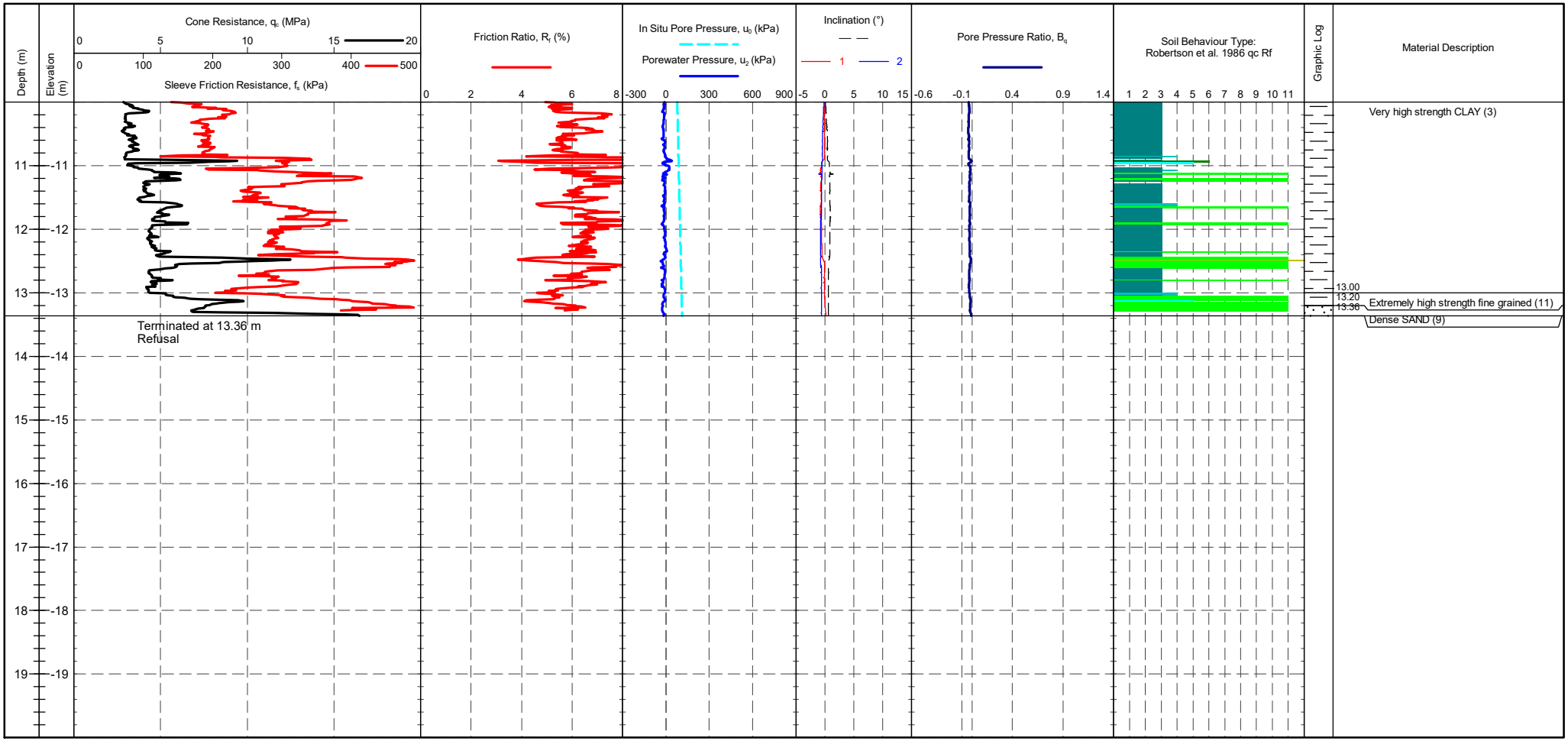
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 006

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	295 mV	-0.022 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 006	Pore Pressure 2	302 mV	300 mV	-0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2382 mV	2468 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

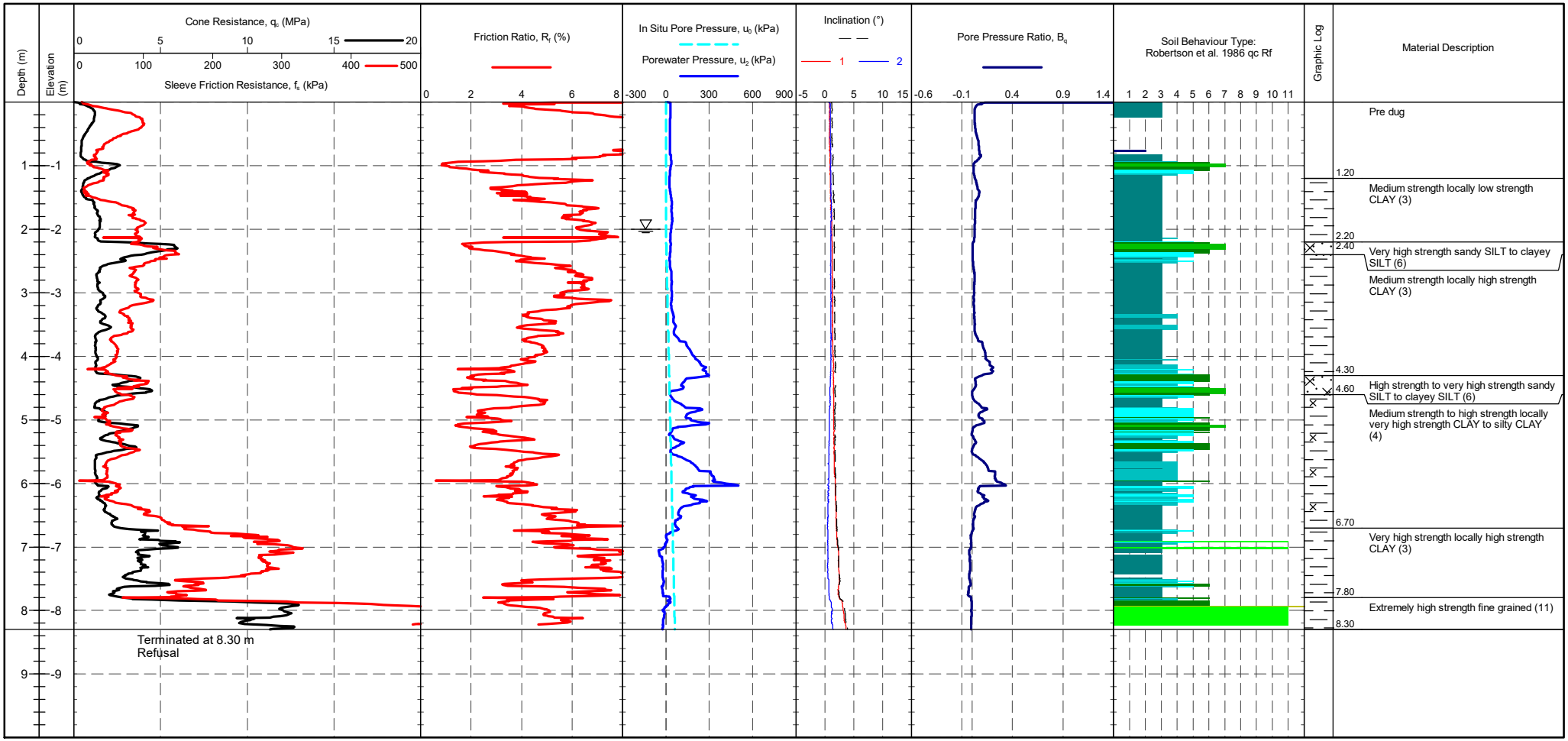
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 007

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 1
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on total pressure.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	298 mV	298 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	457 mV	0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 007	Pore Pressure 2	299 mV	365 mV	0.02 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2587 mV	2528 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

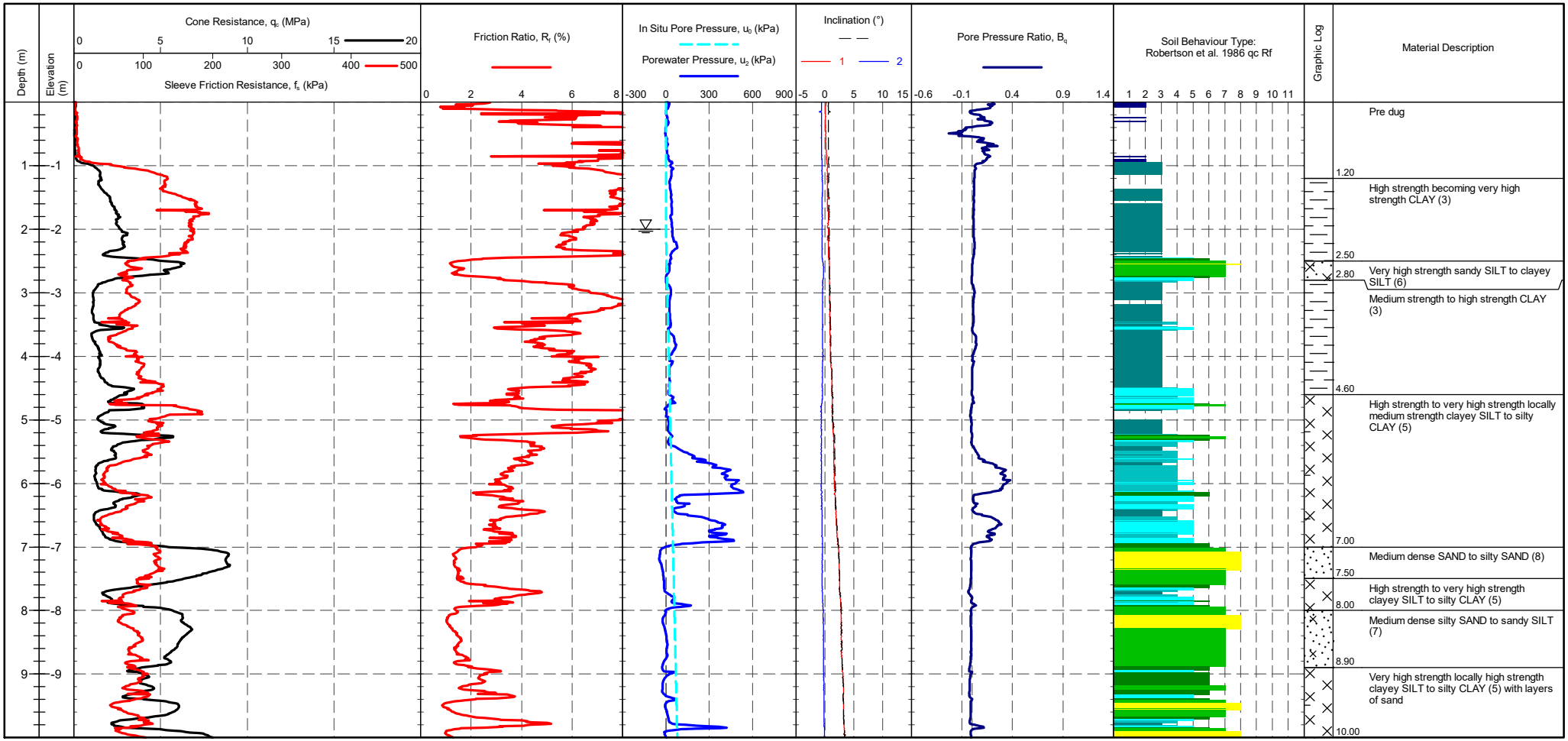
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

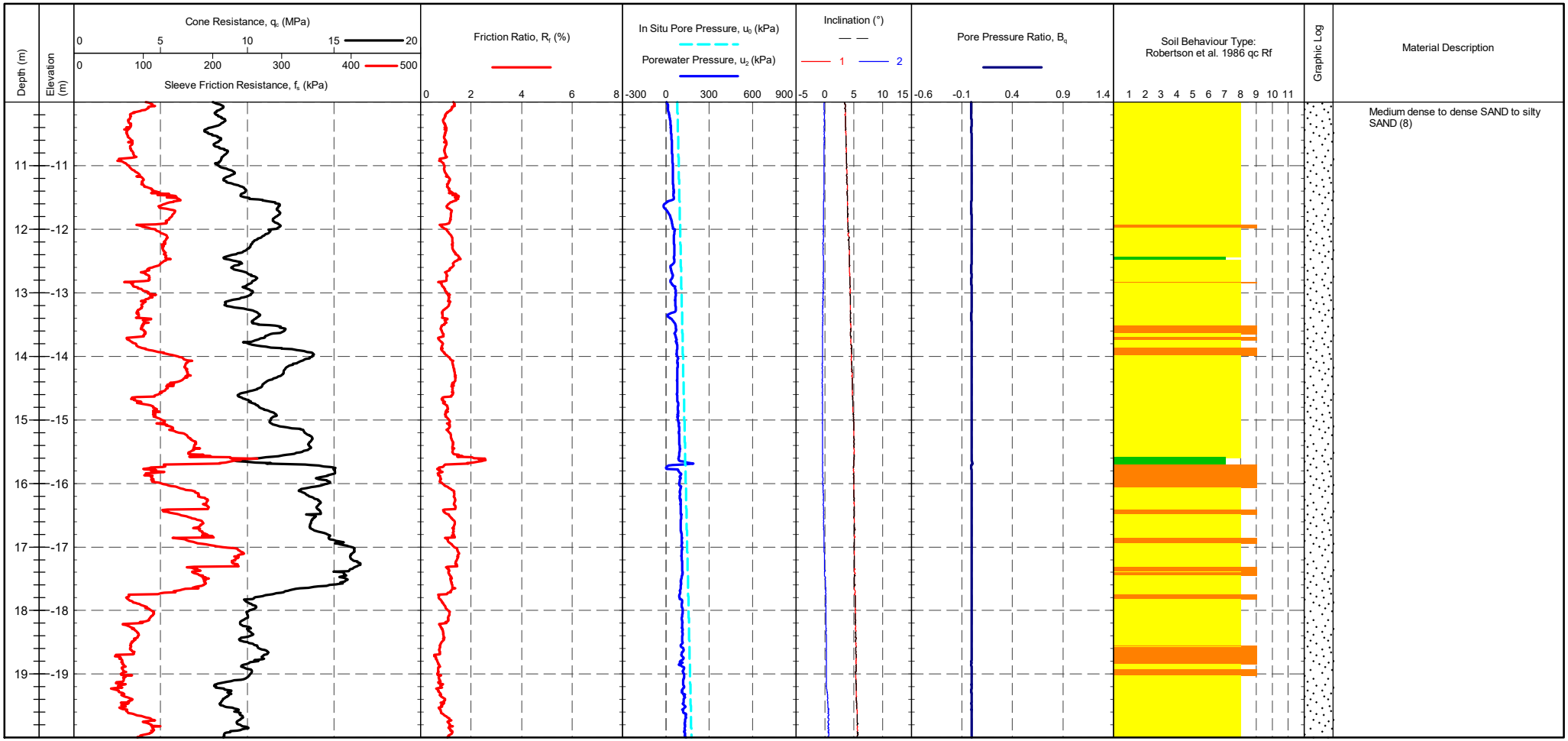
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 034

CLIENT	: Dunelm Geotechnical	EASTING	:	Remark	:	SHEET	: 2 OF 3
PROJECT	: Sunderland 3rd Visit	NORTHING	:	Test refused on tip resistance.		STATUS	: Final
LOCATION	: Sunderland	ELEVATION	: 0.00 m			TEST DATE	: 24/11/2017
PROJECT No.	: 1170423	CHECKED BY	: LD			PLOT DATE	: 11/12/2017
		TERMINATION REASON	: Refusal			METHOD	: ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

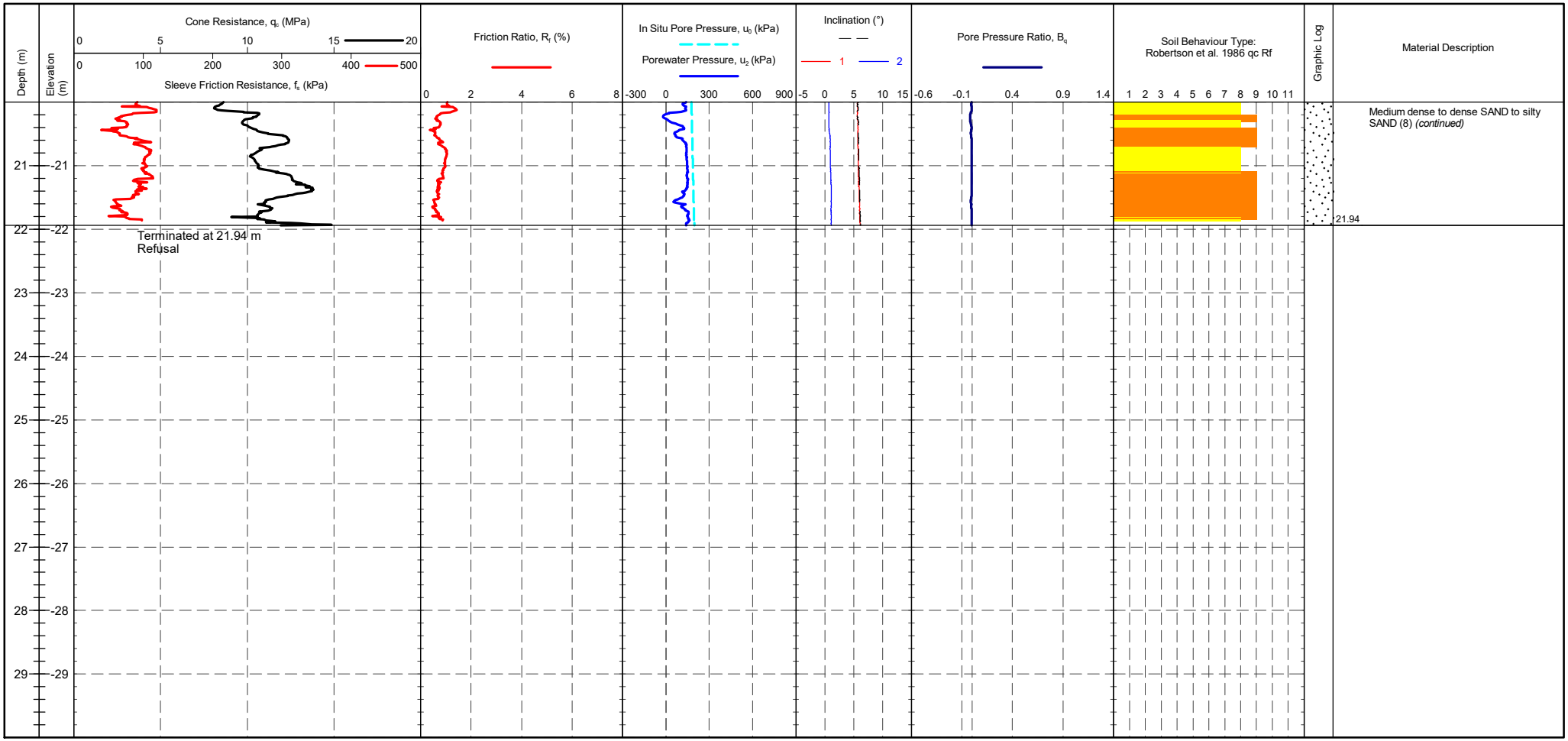
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 034

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 3 OF 3
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	296 mV	296 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 034	Pore Pressure 2	307 mV	322 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2478 mV	2394 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

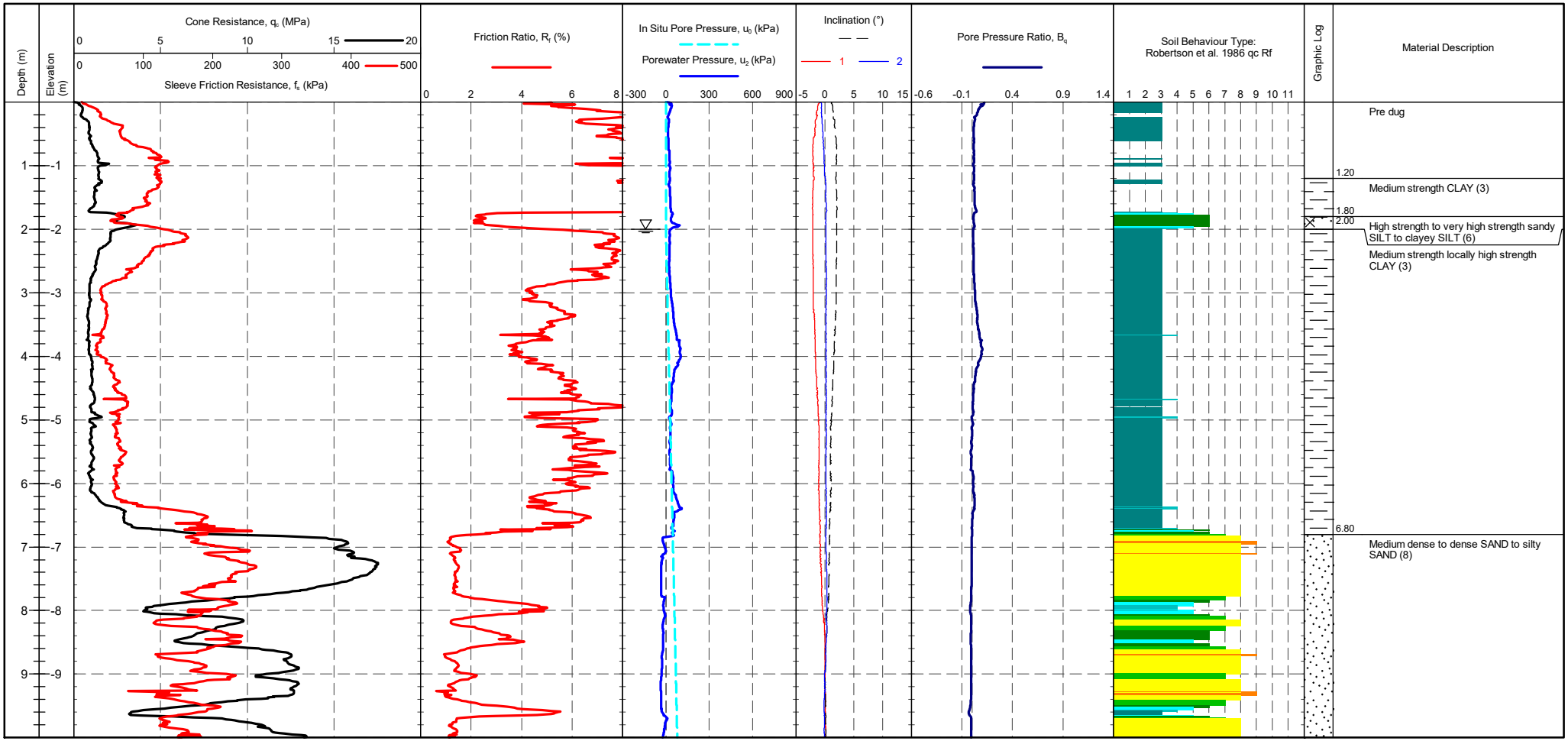
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	458 mV	457 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	Pore Pressure 2	312 mV	308 mV	-0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2390 mV	2375 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

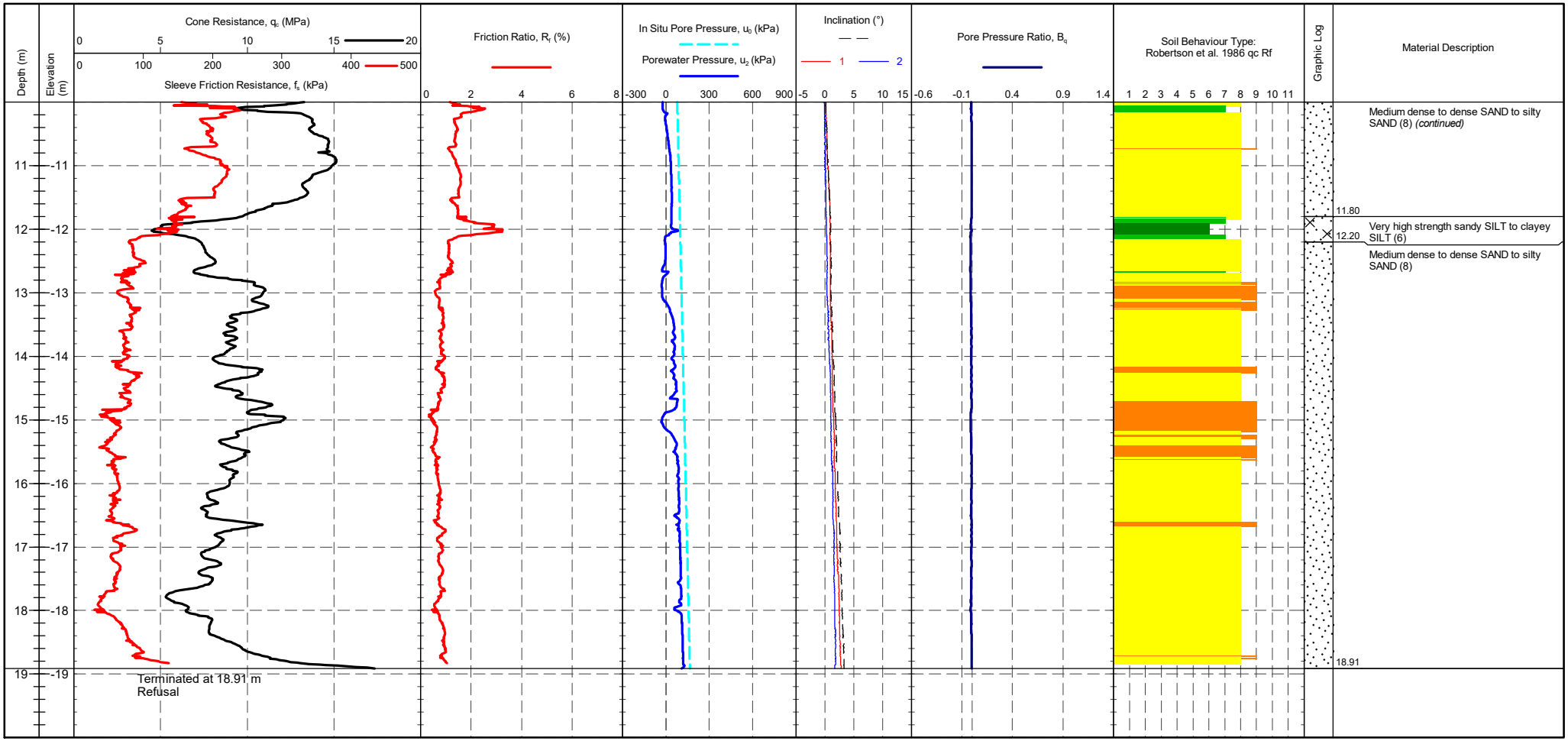
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 035

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 24/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm²	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	458 mV	457 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 035	Pore Pressure 2	312 mV	308 mV	-0.001 kPa
FRICTION REDUCER	: None	WEATHER	: Sunny & Cold	X-Y Inclinometer	2390 mV	2375 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

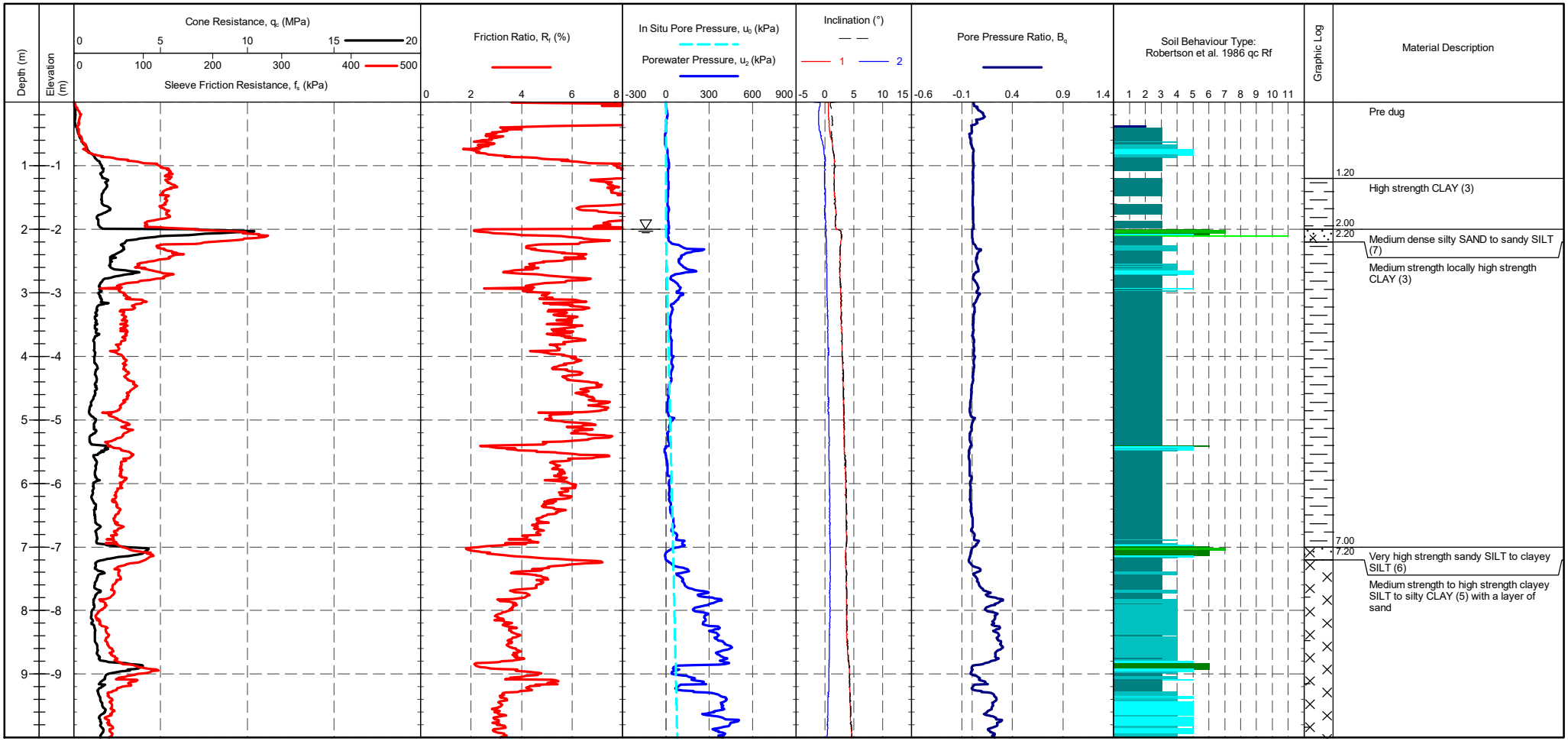
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	Pore Pressure 2	306 mV	278 mV	-0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2409 mV	2453 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

IN SITU SITE INVESTIGATION

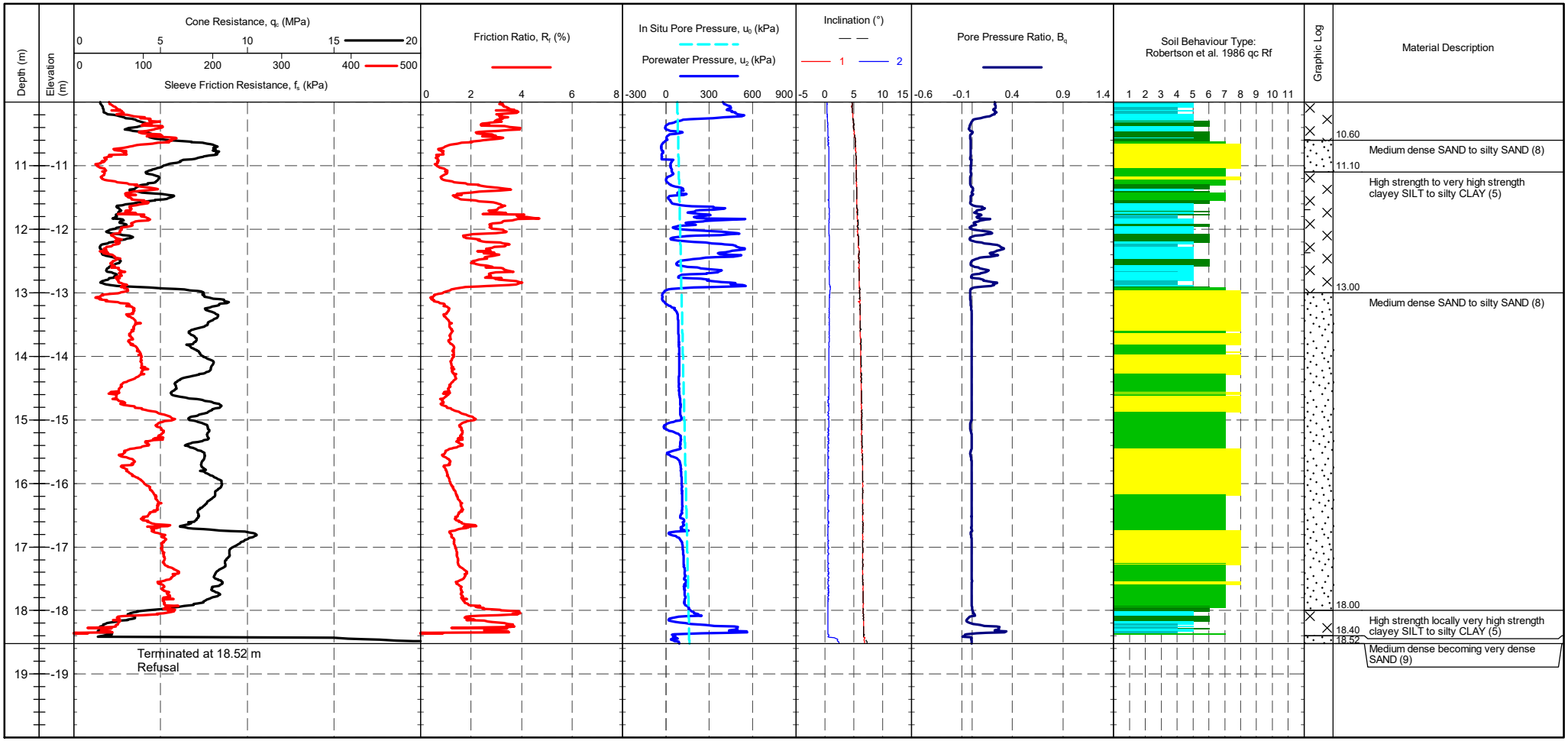
Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT 036

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 2 OF 2
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	297 mV	297 mV	0 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	456 mV	456 mV	0 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT 036	Pore Pressure 2	306 mV	278 mV	-0.008 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2409 mV	2453 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
5 - Clayey SILT to silty CLAY
6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

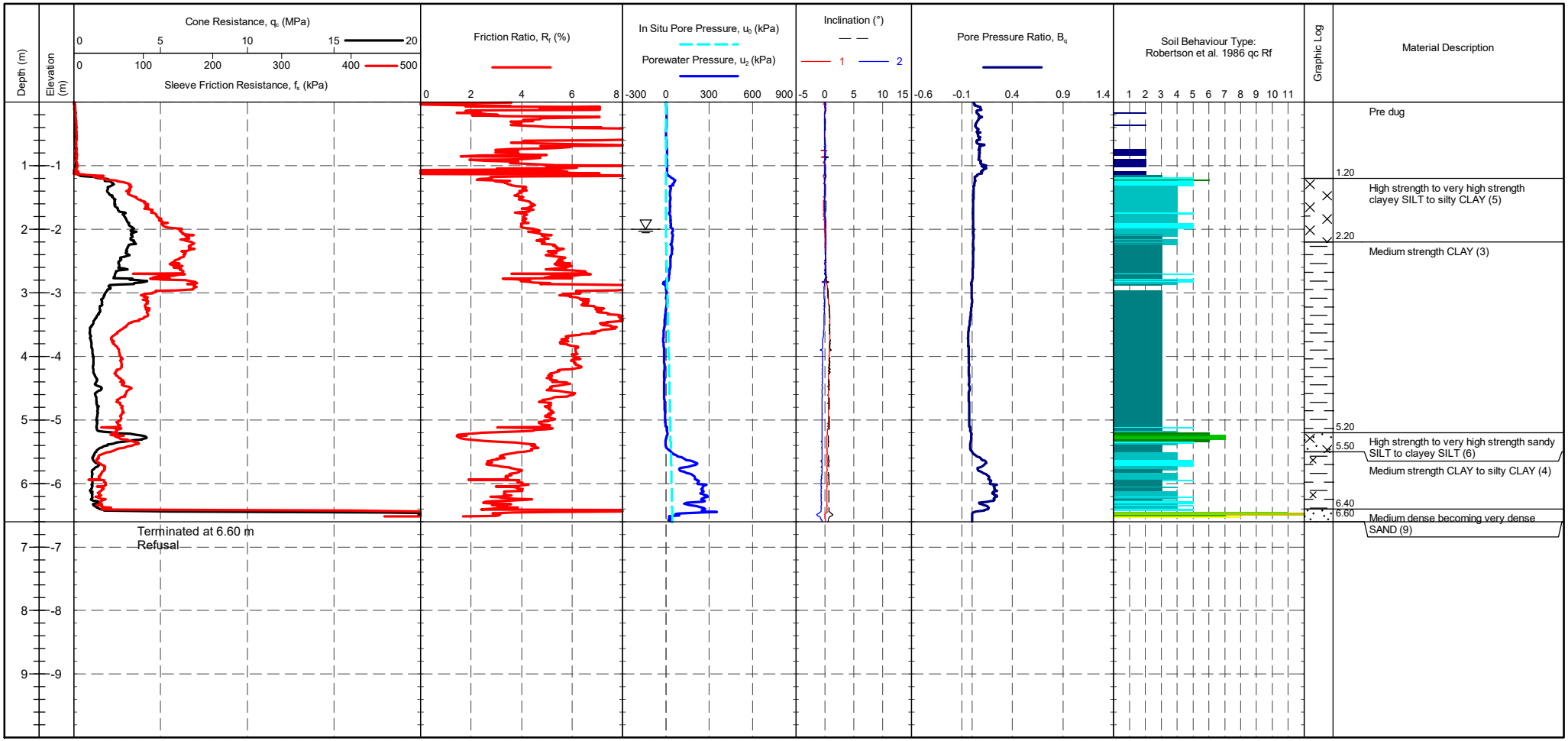
IN SITU SITE INVESTIGATION Working with: DUNELM GEOTECHNICAL & ENVIRONMENTAL

CPT LOG 01

PointID

CPT M001

CLIENT : Dunelm Geotechnical	EASTING :	Remark :	SHEET : 1 OF 1
PROJECT : Sunderland 3rd Visit	NORTHING :	Test refused on tip resistance.	STATUS : Final
LOCATION : Sunderland	ELEVATION : 0.00 m		TEST DATE : 23/11/2017
PROJECT No. : 1170423	CHECKED BY : LD		PLOT DATE : 11/12/2017
	TERMINATION REASON : Refusal		METHOD : ISO 22476-1:2012



CONE ID	: S15-CFIP.1518	TEST TYPE	: TE2	CPTU ZERO VALUES			
CONE AREA	: 15cm^2	APPLICATION CLASS	: 2	Transducer	Pre	Post	Difference
CONE AREA RATIO	: 0.79	RIG	: CPT 006	Tip	294 mV	295 mV	0.011 MPa
FILTER POSITION	: u2	OPERATOR	: BB	Sleeve	455 mV	454 mV	-0.001 kPa
FILTER TYPE	: HDPE	FILE NAME	: 1170423-CPT M001	Pore Pressure 2	299 mV	315 mV	0.005 kPa
FRICTION REDUCER	: None	WEATHER	: Overcast & Mild	X-Y Inclinometer	2457 mV	2480 mV	

METHOD: Robertson et al. 1986 qc Rf

1 - Sensitive fine grained material
2 - Organic material
3 - CLAY
4 - Silty CLAY to CLAY
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6 - Sandy SILT to clayey SILT
7 - Silty SAND to sandy SILT
8 - SAND to silty SAND
9 - SAND
10 - Gravelly SAND to SAND
11 - Very stiff fine grained
12 - SAND to clayey SAND

Groundwater Level

Dissipation Test

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC01:E:433259.48, N: 558511.99, L:40.26		
Core dimensions	**Length (mm)**	300mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	30-40mm
	Petrological Description	Medium gravel supported by sand
	Particle Shape	Sub angular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	20%
	Small Voids (0.5-3mm)	Occasional
	Medium Voids (3-6mm)	Occasional
	Large Voids (>6mm)	Occasional
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	0
	Diameter of bars (mm)	n/a
Other details 5 Pieces	**Top**	Flat and rough
	Bottom	Rough

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC02:E:433753.45, N:558782.153, L:35.08		
Core dimensions	**Length (mm)**	230mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	40mm
	Petrological Description	Medium gravel supported by sand
	Particle Shape	Sub angular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	25%
	Small Voids (0.5-3mm)	Common
	Medium Voids (3-6mm)	Common
	Large Voids (>6mm)	Common
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	None
	Diameter of bars (mm)	
Other details 2 Pieces	**Top**	Very rough
	Bottom	Very rough

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC03:E: 433827.43, N:558894.219, L:35.58		
Core dimensions	**Length (mm)**	255mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	45mm
	Petrological Description	Medium gravel supported by sand
	Particle Shape	Subangular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	<5%
	Small Voids (0.5-3mm)	Rare
	Medium Voids (3-6mm)	Rare
	Large Voids (>6mm)	Rare
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	0
	Diameter of bars (mm)	x
Other details 3 pieces	**Top**	Rough
	Bottom	Rough onto sandy gravel

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC04:E:433879.83, N:559053.48, L: 36.47		
Core dimensions	**Length (mm)**	220mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	Max 40mm typical size 5-20mm
	Petrological Description	Medium to fine gravel supported by sand
	Particle Shape	Subangular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	<10%
	Small Voids (0.5-3mm)	Rare
	Medium Voids (3-6mm)	Rare
	Large Voids (>6mm)	Rare
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	0
	Diameter of bars (mm)	n/a
Other details	**Top**	Flat rough 40mm of tarmac
	Bottom	Very rough onto sandy gravel

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC05, E: 433907.43, N:559194.77, L:37.02		
Core dimensions	**Length (mm)**	190mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	Max 30-25mm typical size 5-20mm
	Petrological Description	Medium to fine gravel supported by sand
	Particle Shape	Subangular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	<10%
	Small Voids (0.5-3mm)	Rare
	Medium Voids (3-6mm)	Rare
	Large Voids (>6mm)	1 large void
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	0
	Diameter of bars (mm)	
Other details 2 Pieces	**Top**	Rough flat
	Bottom	Very rough and onto sand gravel

Concrete Core Log

D8044 IAMP - Sunderland

Concrete Core Log

Core Reference: RC06, E: 4339646.3293, N: 559406.885, L:36.76		
Core dimensions	**Length (mm)**	240mm
	Diameter (mm)	95mm
Aggregate	**Maximum Size (mm)**	Max 30mm typical size 5-25mm
	Petrological Description	Medium to fine gravel supported by sand
	Particle Shape	Subangular
	Distribution	Even matrix supported
Compaction and Cracks	**Mean Excess Voids (%)**	<20%
	Small Voids (0.5-3mm)	Rare
	Medium Voids (3-6mm)	Rare
	Large Voids (>6mm)	Occasional
	Honeycombing	None
	Cracks	None
Reinforcement	**Number of Bars**	0
	Diameter of bars (mm)	n/a
Other details 4 Pieces	**Top**	Rough flat
	Bottom	Very rough onto sandy gravel

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-01**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

Time (min)	Depth (m)
0	0.96
0.5	0.965
1	0.97
2	0.97
3	0.97
4	0.975
5	0.975
6	0.975
7	0.975
8	0.975
9	0.975
10	0.975
15	0.975
20	0.975
25	0.975
30	0.975
40	0.975
50	0.975
60	0.975
90	0.975
120	
180	

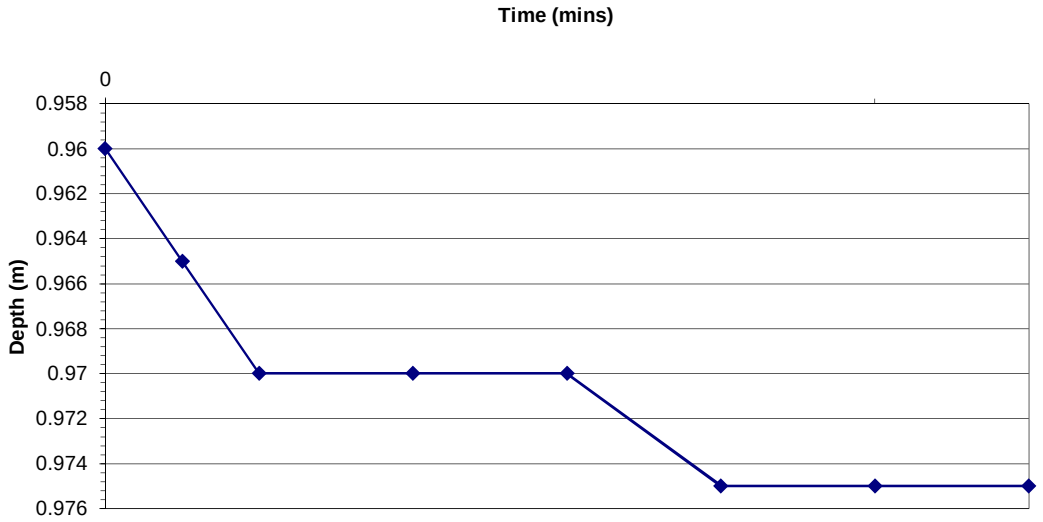
Pit Dimensions	Length (m) =	2.00
	Width (m) =	0.65
	Depth (m) =	2.00

Depth at start of test (m) =	0.960
Depth at end of test (m)=	0.975
75% level (m)=	N/A
50% Effective Depth	1.0325
25% level (m)=	N/A
Base area of pit (m^2) =	1.300
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	6.772

V	0.0195
T	5400

Soil infiltration rate, f, (m/s) =	**5.33E-07**	**Inferred value**

Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate. Quoted rate should be regarded as indictaive only.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-02**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

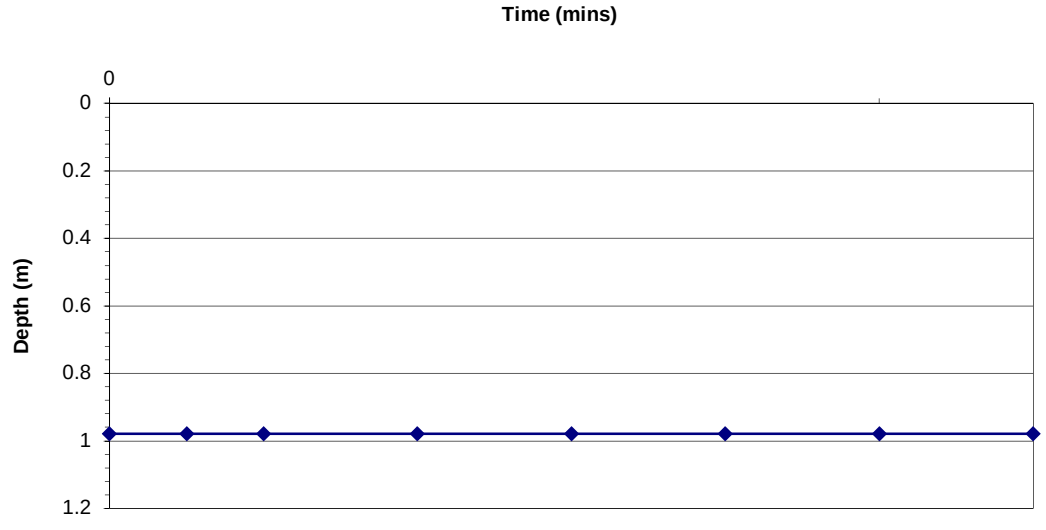
Time (min)	Depth (m)
0	0.98
0.5	0.98
1	0.98
2	0.98
3	0.98
4	0.98
5	0.98
6	0.98
7	0.98
8	0.98
9	0.98
10	0.98
15	0.98
20	0.98
25	0.98
30	0.98
40	0.98
50	0.98
60	0.98
90	0.98
120	
180	

Pit Dimensions	Length (m) =	1.90
	Width (m) =	0.65
	Depth (m) =	2.10

Depth at start of test (m) =	0.980
Depth at end of test (m)=	0.980
75% level (m)=	N/A
50% Effective Depth	1.12
25% level (m)=	N/A
Base area of pit (m^2) =	1.235
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	6.947

V	0
T	5400

Soil infiltration rate, f, (m/s) =	**0.00E+00**		
Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-03**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

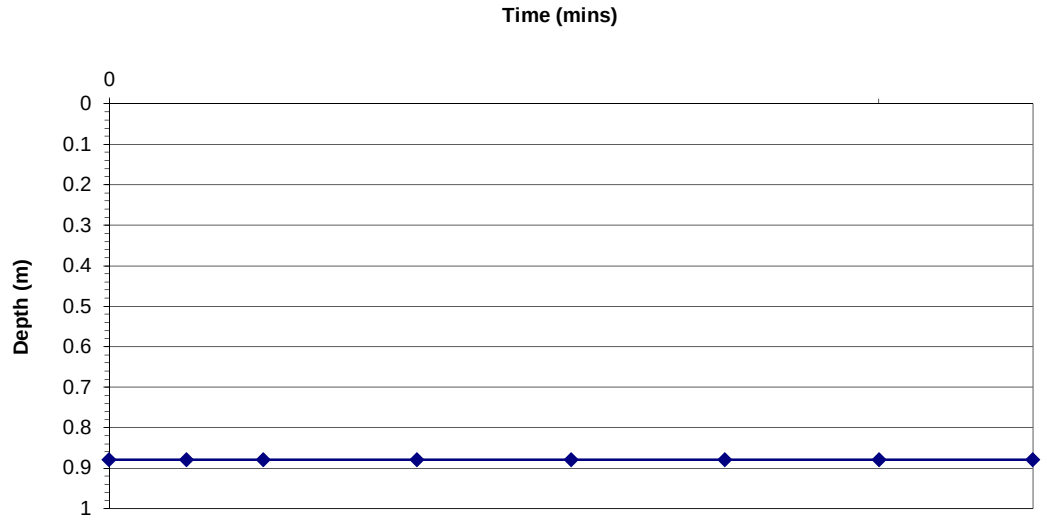
Time (min)	Depth (m)
0	0.88
0.5	0.88
1	0.88
2	0.88
3	0.88
4	0.88
5	0.88
6	0.88
7	0.88
8	0.88
9	0.88
10	0.88
15	0.88
20	0.88
25	0.88
30	0.88
40	0.88
50	0.88
60	0.88
90	0.88
120	
180	

Pit Dimensions		
	Length (m) =	2.10
	Width (m) =	0.65
	Depth (m) =	2.00

Depth at start of test (m) =	0.880
Depth at end of test (m)=	0.880
75% level (m)=	N/A
50% Effective Depth	1.12
25% level (m)=	N/A
Base area of pit (m^2) =	1.365
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	7.525

V	0
T	5400

Soil infiltration rate, f, (m/s) =	**0.00E+00**	**Inferred value**	
Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-04**		**Test No:**	**1**	

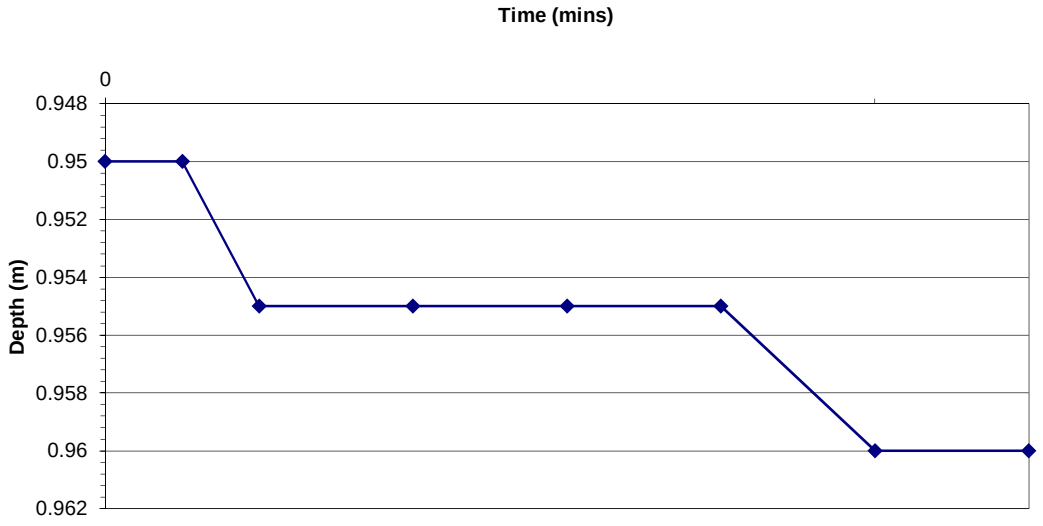
CALCULATION OF SOIL INFILTRATION RATE

Time (min)	Depth (m)
0	0.95
0.5	0.95
1	0.955
2	0.955
3	0.955
4	0.955
5	0.96
6	0.96
7	0.96
8	0.96
9	0.96
10	0.96
15	0.96
20	0.96
25	0.96
30	0.96
40	0.96
50	0.96
60	0.96
90	0.96
120	
180	

Pit Dimensions	Length (m) =	2.00
	Width (m) =	0.65
	Depth (m) =	2.00

Depth at start of test (m) =	0.950
Depth at end of test (m)=	0.960
75% level (m)=	N/A
50% Effective Depth	1.045
25% level (m)=	N/A
Base area of pit (m^2) =	1.300
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	6.839
V	0.013
T	5400

Soil infiltration rate, f, (m/s) =	**3.52E-07**	**Inferred value**	
Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate. Quoted rate should be regarded as indictaive only.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-05**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

Time (min)	Depth (m)
0	0.26
0.5	0.26
1	0.26
2	0.26
3	0.26
4	0.26
5	0.27
6	0.27
7	0.27
8	0.27
9	0.27
10	0.27
15	0.275
20	0.275
25	0.275
30	0.275
40	0.275
50	0.275
60	0.275
90	0.285
120	0.285
180	0.29
240	0.3
300	0.3

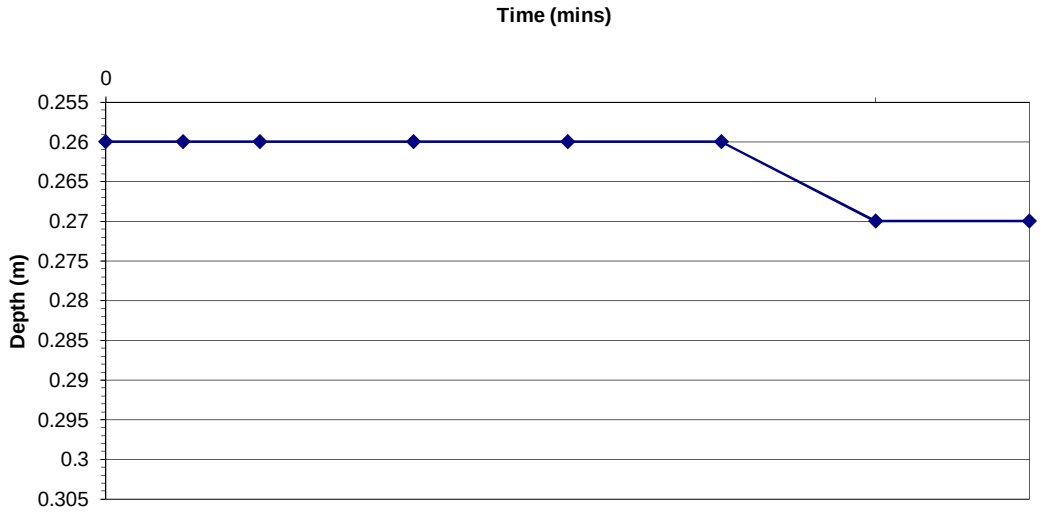
Pit Dimensions		
	Length (m) =	2.00
	Width (m) =	0.65
	Depth (m) =	2.00

Depth at start of test (m) =	0.260
Depth at end of test (m)=	0.290
75% level (m)=	N/A
50% Effective Depth	1.725
25% level (m)=	N/A
Base area of pit (m^2) =	1.300
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	10.443

V	0.039
T	18000

Soil infiltration rate, f, (m/s) =	**2.07E-07**	**Inferred value**	

Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate. Quoted rate should be regarded as indictaive only.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**International Advanced Manufacturing Park (IAMP), Sunderland**				
Job No:	**D8044**				
Pit No:	**TPS-08**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

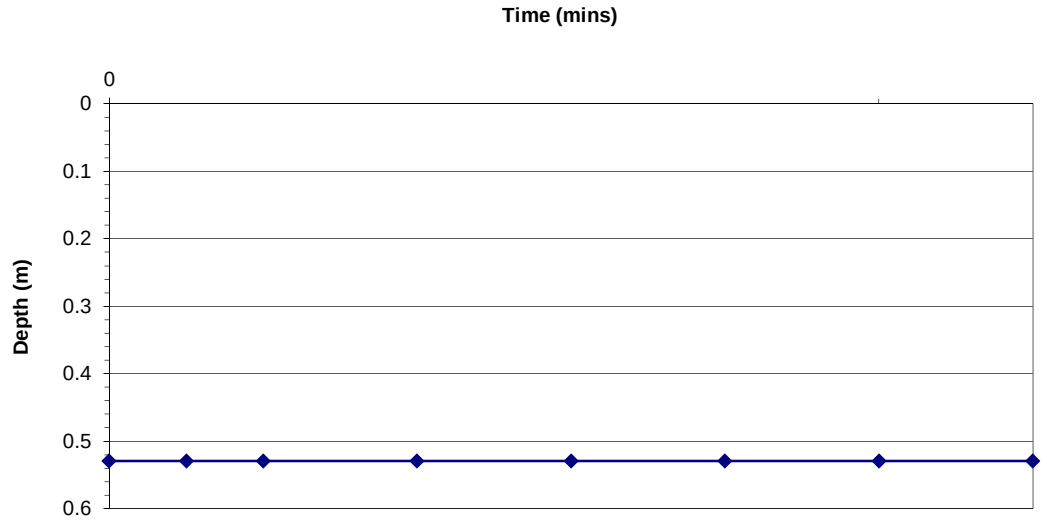
Time (min)	Depth (m)
0	0.53
0.5	0.53
1	0.53
2	0.53
3	0.53
4	0.53
5	0.53
6	0.53
7	0.53
8	0.53
9	0.53
10	0.53
15	0.53
20	0.53
25	0.53
30	0.53
40	0.53
50	0.53
60	0.53
90	0.53
120	
180	

Pit Dimensions		
	Length (m) =	2.00
	Width (m) =	0.70
	Depth (m) =	2.00

Depth at start of test (m) =	0.530
Depth at end of test (m)=	0.530
75% level (m)=	N/A
50% Effective Depth	1.47
25% level (m)=	N/A
Base area of pit (m^2) =	1.400
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	9.338

V	0
T	5400

Soil infiltration rate, f, (m/s) =	**0.00E+00**	**Inferred value**	
Input by:	**SJS**	**Date:**	**29/08/2017**
Checked by:		**Date:**	



Notes:

1. Insufficent change in head and lack of infiltration to accurately calculate infiltration rate.

SOAKAWAY DESIGN IN ACCORDANCE WITH BRE DIGEST 365: 2016
BRE Digest 365, Figure 2, Page 5

Client:	**Sunderland City Council**				
Site:	**IAMP - Preliminary Ground Investigation**				
Job No:	**D8044**				
Pit No:	**TPS11**		**Test No:**	**1**	

CALCULATION OF SOIL INFILTRATION RATE

Time (min)	Depth (m)
0	0.7
0.5	0.7
1	0.7
2	0.7
3	0.7
4	0.7
5	0.7
6	0.7
7	0.7
8	0.7
9	0.7
10	0.7
15	0.7
20	0.7
25	0.7
30	0.7
40	0.7
50	0.7
60	0.7
90	0.7
120	
180	

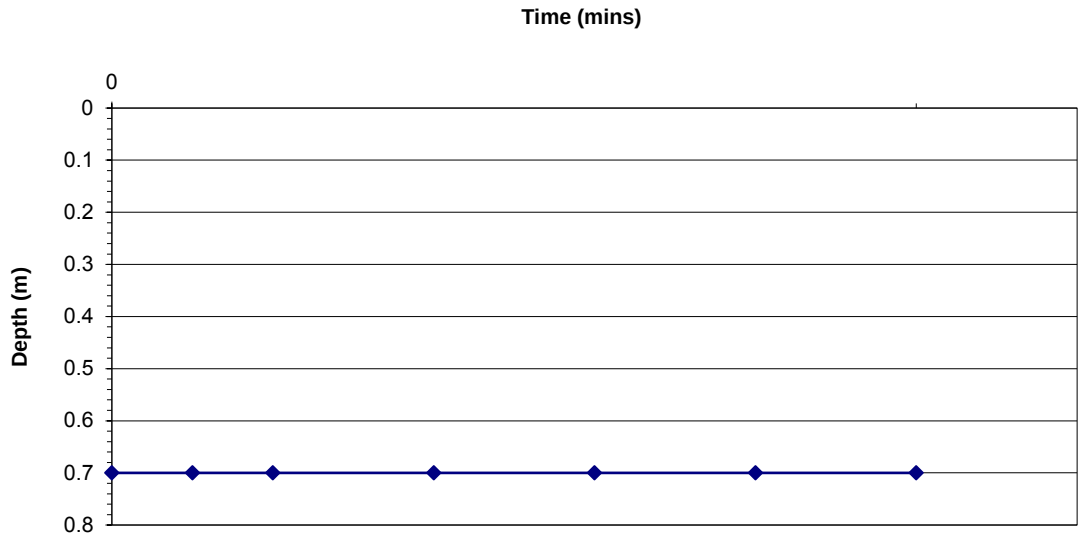
Pit Dimensions		
	Length (m) =	3.30
	Width (m) =	0.80
	Depth (m) =	2.00

Depth at start of test (m) =	0.700
Depth at end of test (m)=	0.700
75% level (m)=	N/A
50% Effective Depth	1.3
25% level (m)=	N/A
Base area of pit (m^2) =	2.640
Vp_{75-25} (m^3) =	N/A
α_{p50} (m^2) =	13.300

V	0
T	5400

Soil infiltration rate, f, (m/s) =	**0.00E+00**	**Inferred value**

Input by:	**CA**	**Date:**	**25/09/2017**
Checked by:		**Date:**	



St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project: D8044

Project name: IAMP

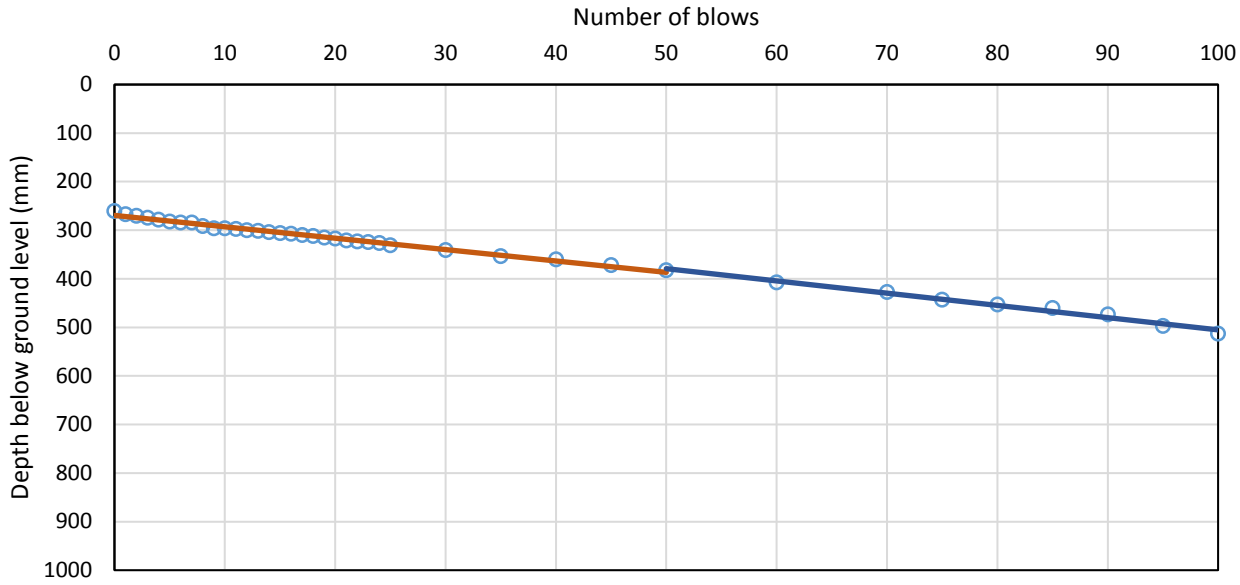
Report date: 04/12/2017

Operator: FR

Notes: Test 1

Test date: 30/11/2017

Test location: RC- 01



Layer 0-382mm bgl

Penetration rate	2	mm/blow	
Equivalent CBR	122.6	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	381.7	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	637.5	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 382-875mm bgl

Penetration rate	2.520155	mm/blow	
Equivalent CBR	113.7	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	363.6	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	606.2	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project: D8044

Project name: IAMP

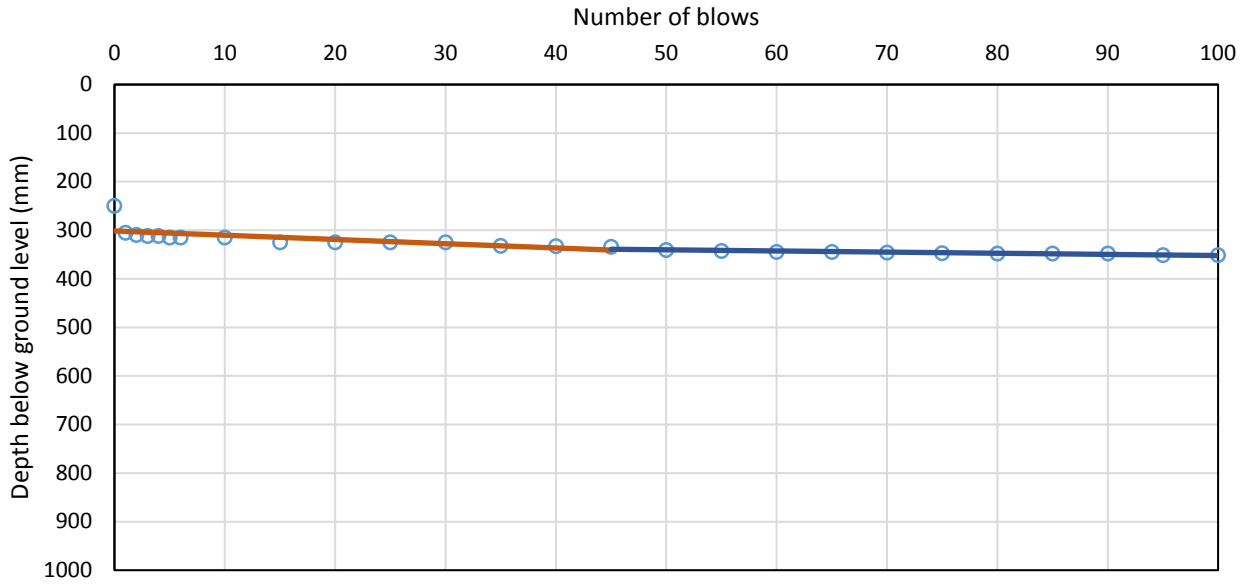
Report date: 04/12/2017

Operator: FR

Notes: Test 1

Test date: 30/11/2017

Test location: RC- 02



Layer 0-334mm bgl

Penetration rate	1	mm/blow	
Equivalent CBR	348.2	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	744.4	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	1274.8	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 334-875mm bgl

Penetration rate	0.235664	mm/blow	
Equivalent CBR	1391.5	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	1806.5	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	3198.2	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project: D8044

Project name: IAMP

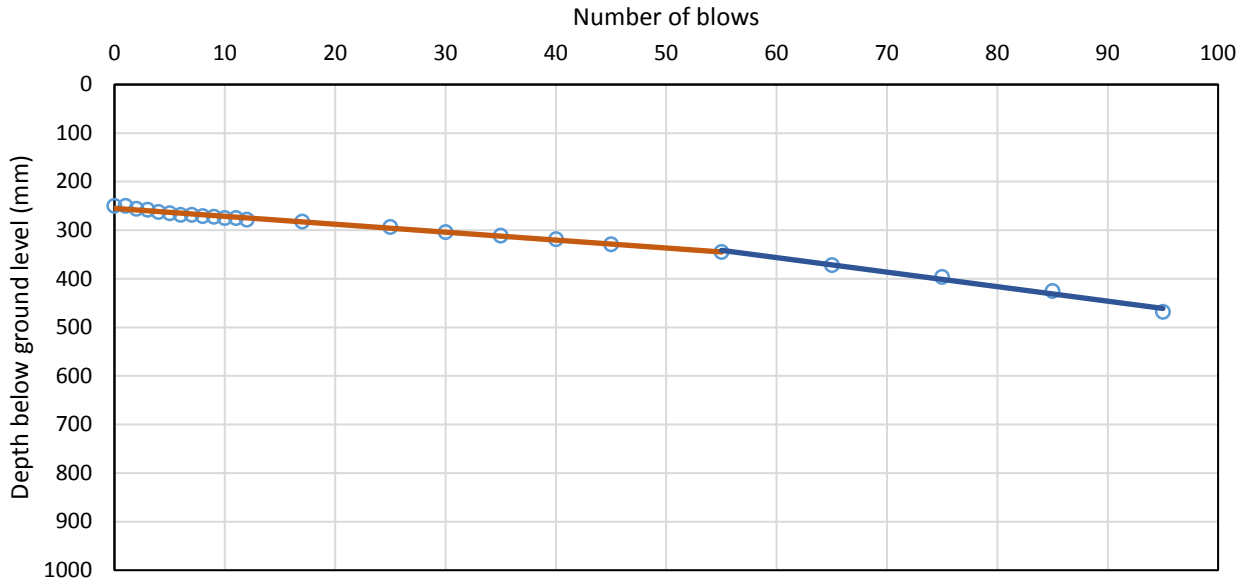
Report date: 04/12/2017

Operator: FR

Notes: Test 1

Test date: 30/11/2017

Test location: RC- 03



Layer 0-345mm bgl

Penetration rate	2	mm/blow	
Equivalent CBR	179.9	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	487.8	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	822.2	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 345-875mm bgl

Penetration rate	2.99	mm/blow	
Equivalent CBR	94.9	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	323.9	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	537.7	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

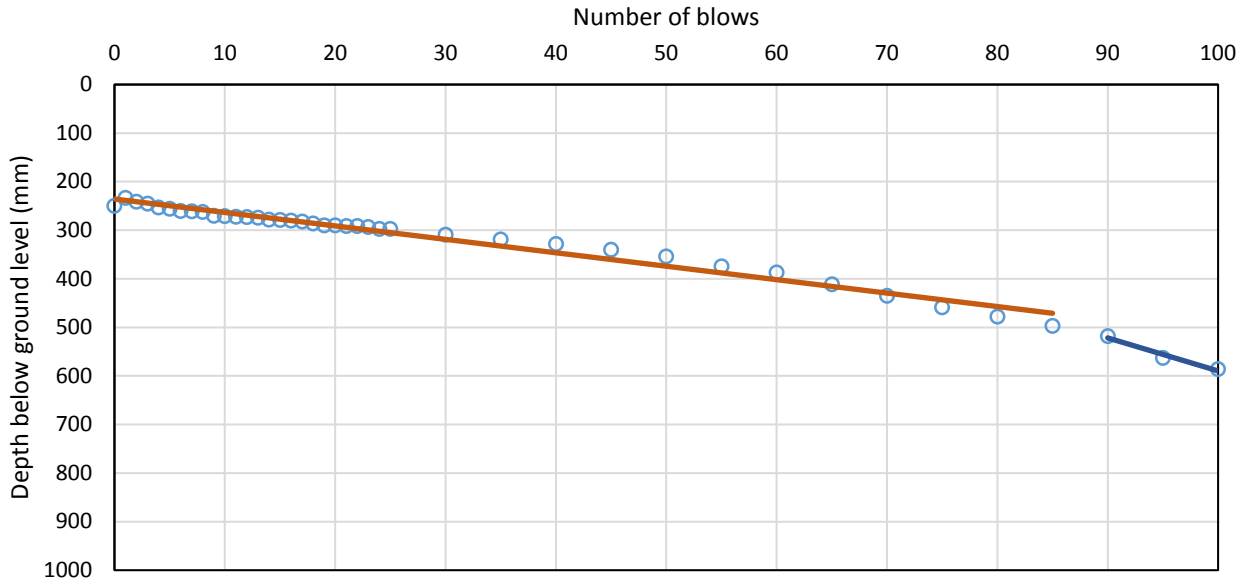
DUNELM GEOTECHNICAL & ENVIRONMENTAL

St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project:	D8044
Project name:	IAMP
Report date:	04/12/2017

Operator:	FR	**Notes:**	Test 1
Test date:	30/11/2017	**Test location:**	RC- 04



Layer 0-500mm bgl

Penetration rate	3	mm/blow	
Equivalent CBR	103.0	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	341.3	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	567.7	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 500-875mm bgl

Penetration rate	6.8	mm/blow	
Equivalent CBR	39.8	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	185.8	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	302.0	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

DUNELM GEOTECHNICAL & ENVIRONMENTAL

St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project: D8044

Project name: IAMP

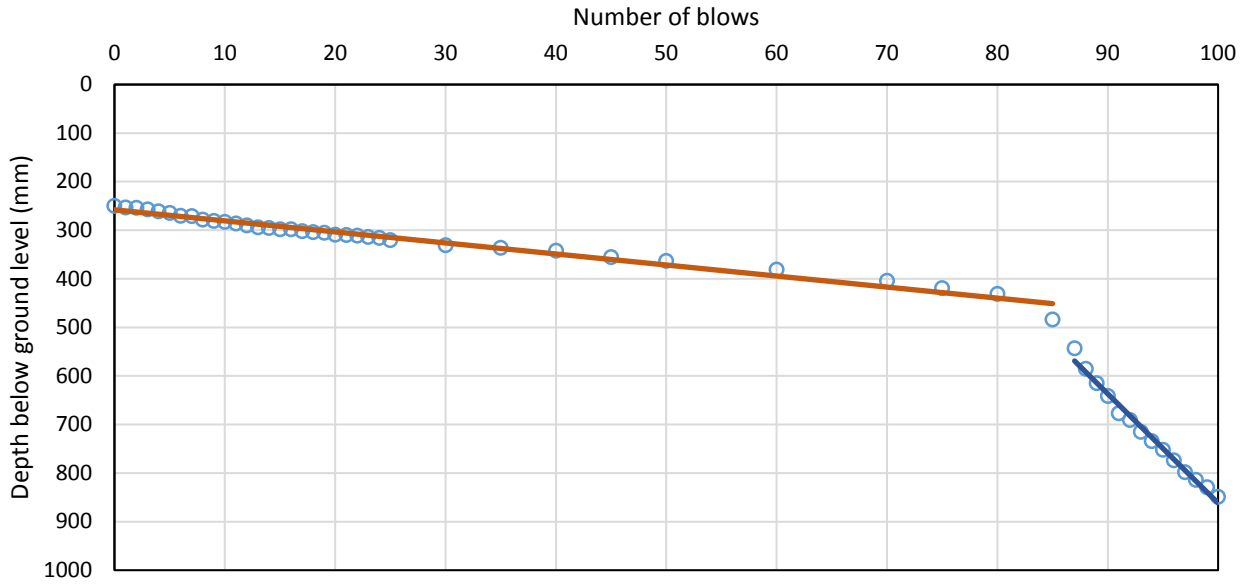
Report date: 04/12/2017

Operator: FR

Notes: Test 1

Test date: 30/11/2017

Test location: RC- 05



Layer 0-500mm bgl

Penetration rate	2	mm/blow	
Equivalent CBR	126.8	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	390.0	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	651.8	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 500-875mm bgl

Penetration rate	22.5033	mm/blow	
Equivalent CBR	11.2	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	82.7	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	130.4	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

St Johns Road • Meadowfield • DH7 8TZ

DYNAMIC CONE PENETROMETER TEST REPORT

Project: D8044

Project name: IAMP

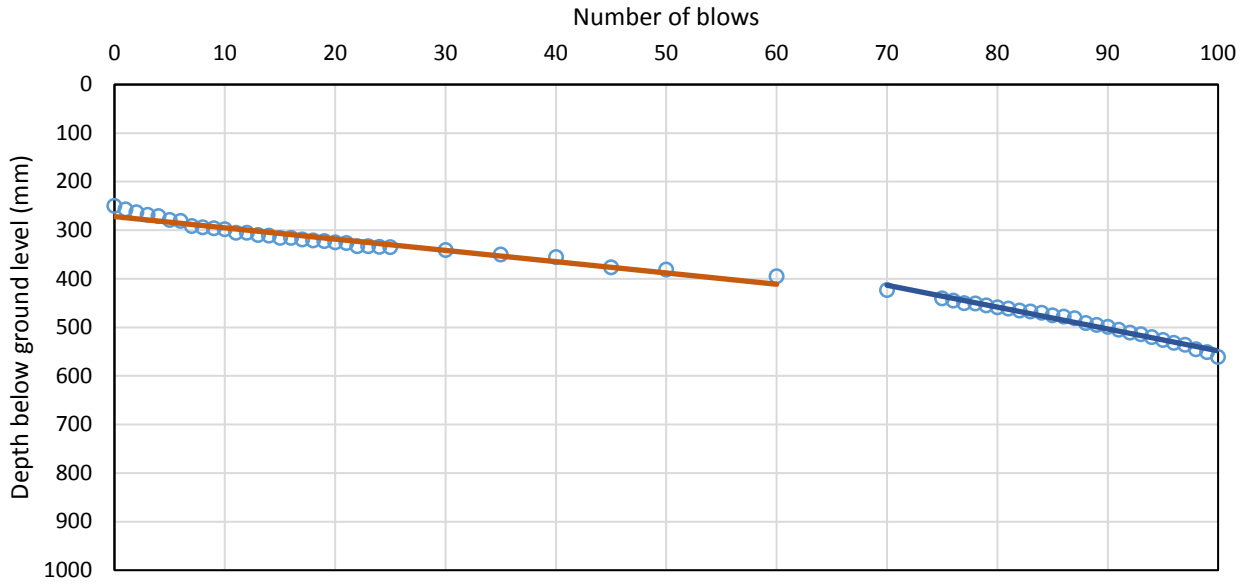
Report date: 04/12/2017

Operator: FR

Notes: Test 1

Test date: 30/11/2017

Test location: RC- 06



Layer 0-395mm bgl

Penetration rate	2	mm/blow	
Equivalent CBR	123.9	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	384.3	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	641.9	kPa	[PCA - Design of Concrete Pavement. 1955]

Layer 400-875mm bgl

Penetration rate	4.503477	mm/blow	
Equivalent CBR	61.5	%	[DMRB Vol.7 3.2 HD 29/08 - Section 7.31]
Equivalent surface modulus	245.5	MPa	[TRRL LR 1132 - Appendix C Equation C1]
Estimated bearing capacity	403.3	kPa	[PCA - Design of Concrete Pavement. 1955]

Produced by	Dated	Checked by	Dated
FR	04/12/17		00/01/00

LABORATORY REPORT

4043

Contract Number: PSL17/4657

Report Date: 26 September 2017

Client's Reference:

Client Name: Dunelm
Somerville House
St Johns Road
Meadowfield
Durham
DH7 8TZ

For the attention of: James Huntington

Contract Title: Sunderland

Date Received: 22/9/2017
Date Commenced: 26/9/2017
Date Completed: 26/9/2017

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

R Gunson (Director)
A Watkins (Director)
R Berriman (Quality Manager)

L Knight (Senior Technician)
S Eyre (Senior Technician)
A Fry (Senior Technician)

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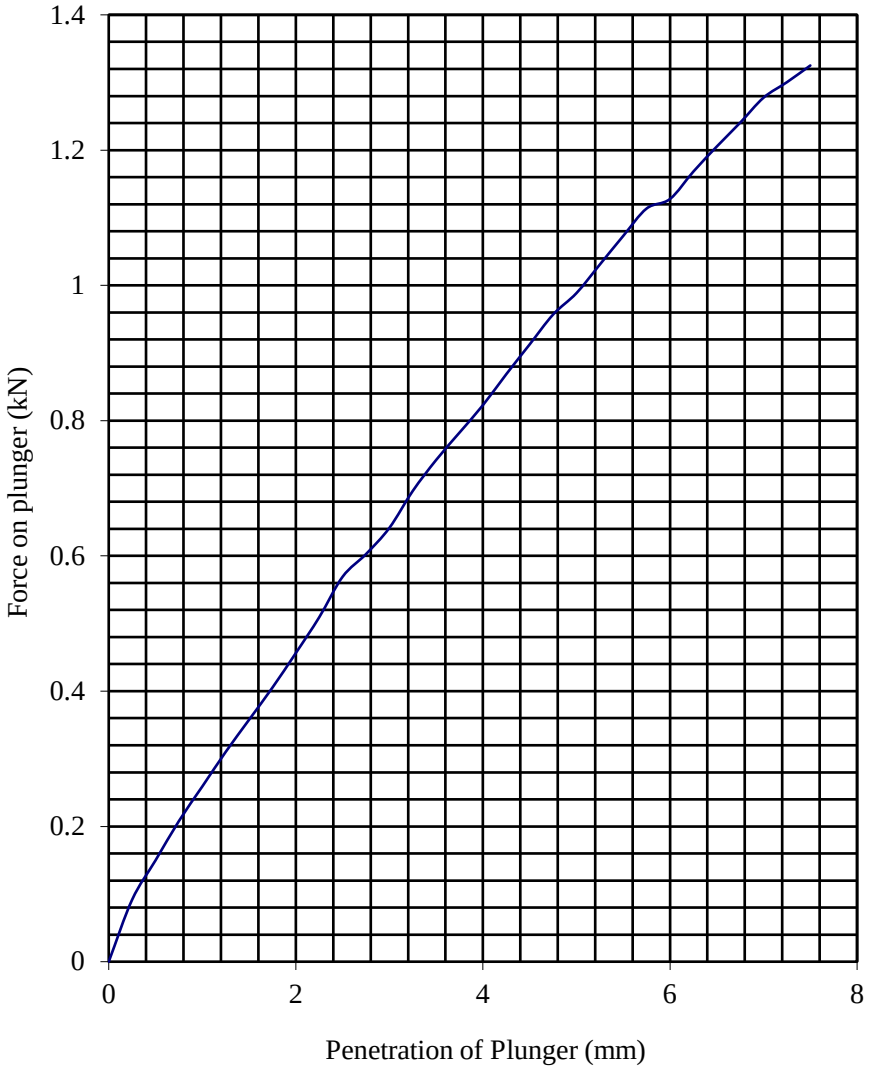
e-mail: rgunson@prosoils.co.uk
awatkins@prosoils.co.uk

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 17 Depth (m) : 0.50



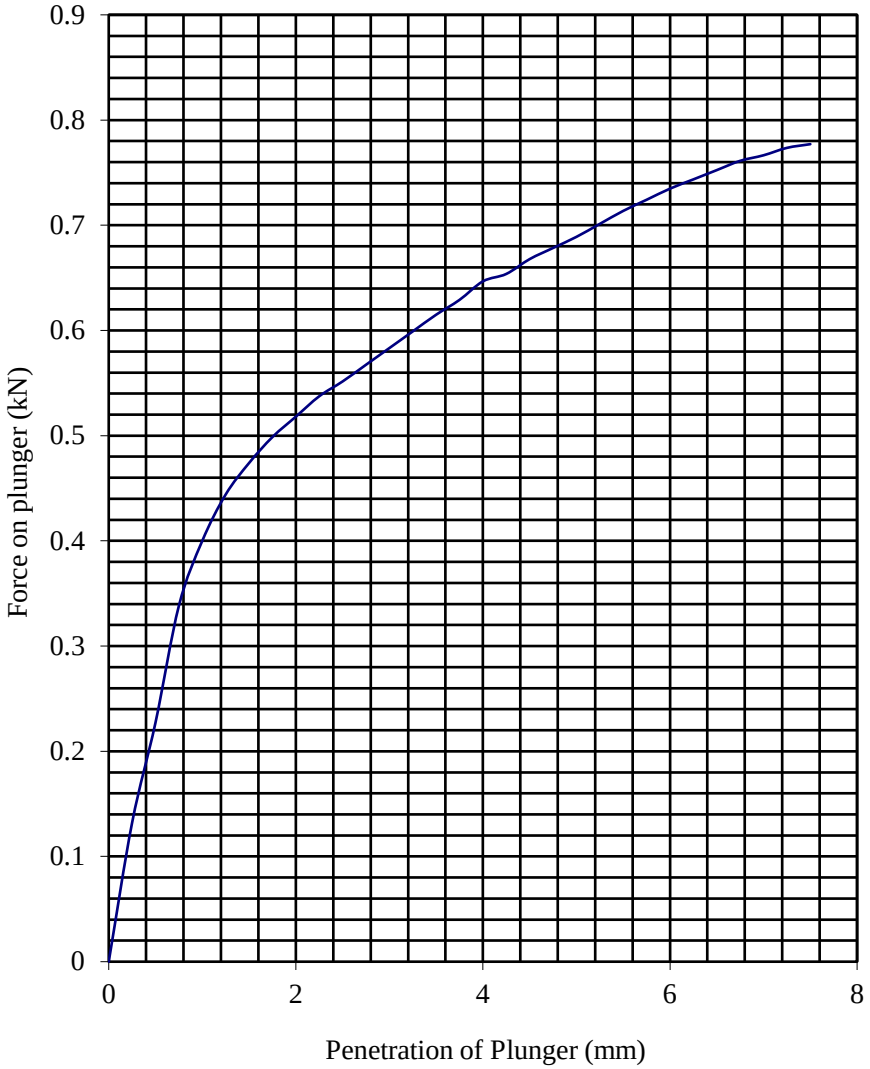
Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	4.9
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	29
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 17 Depth (m) : 1.00



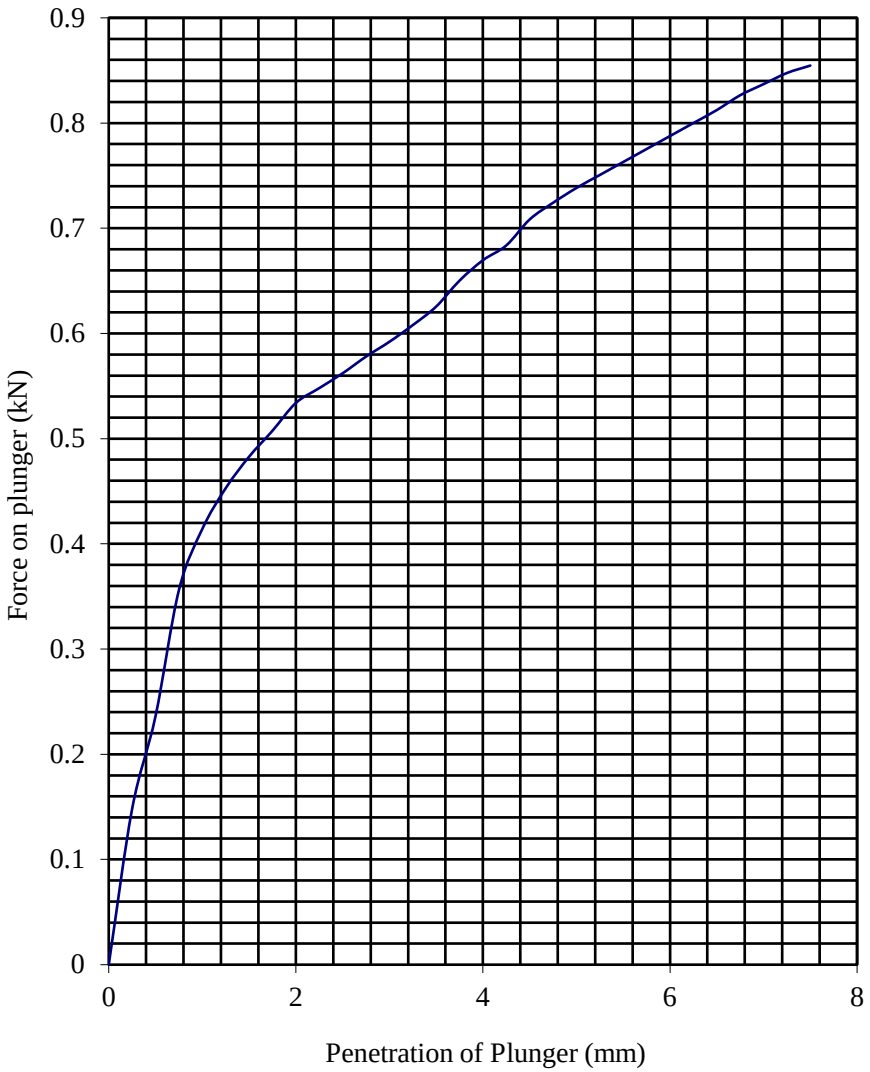
Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	4.2
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	28
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 18 Depth (m) : 0.50



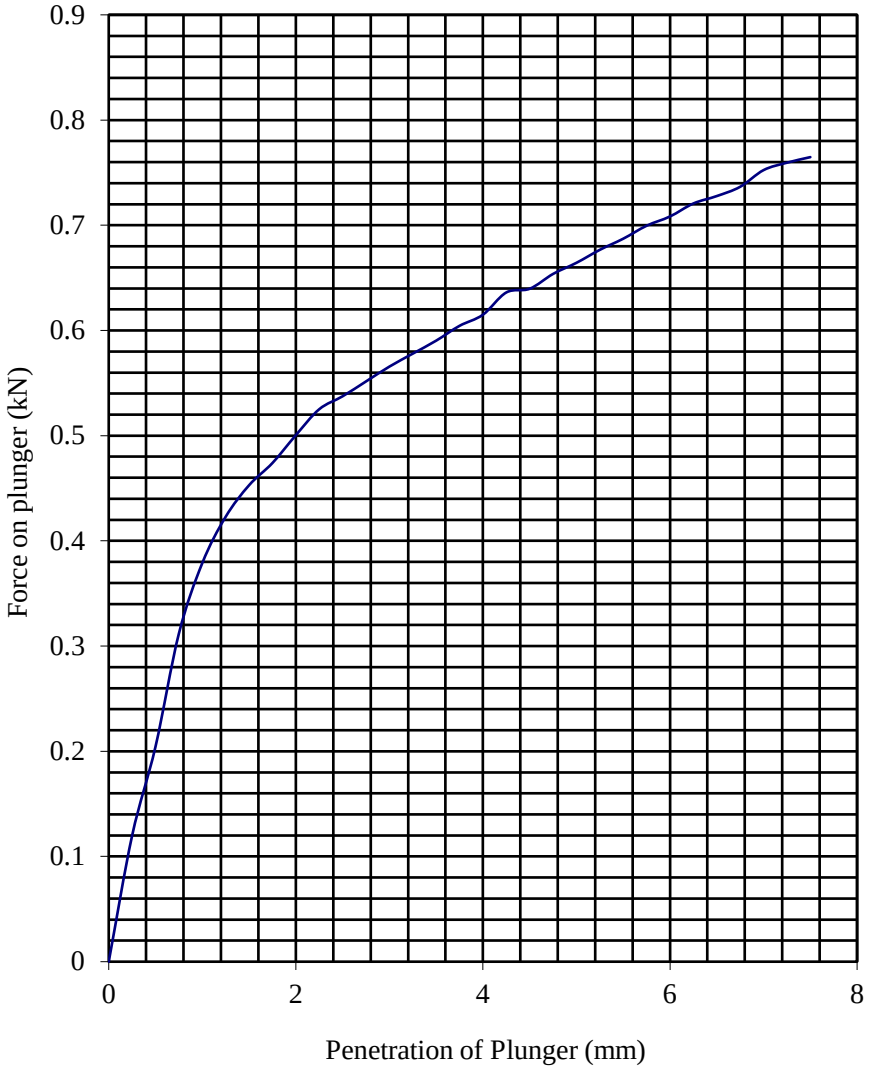
Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	4.3
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	32
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 18 Depth (m) : 1.0



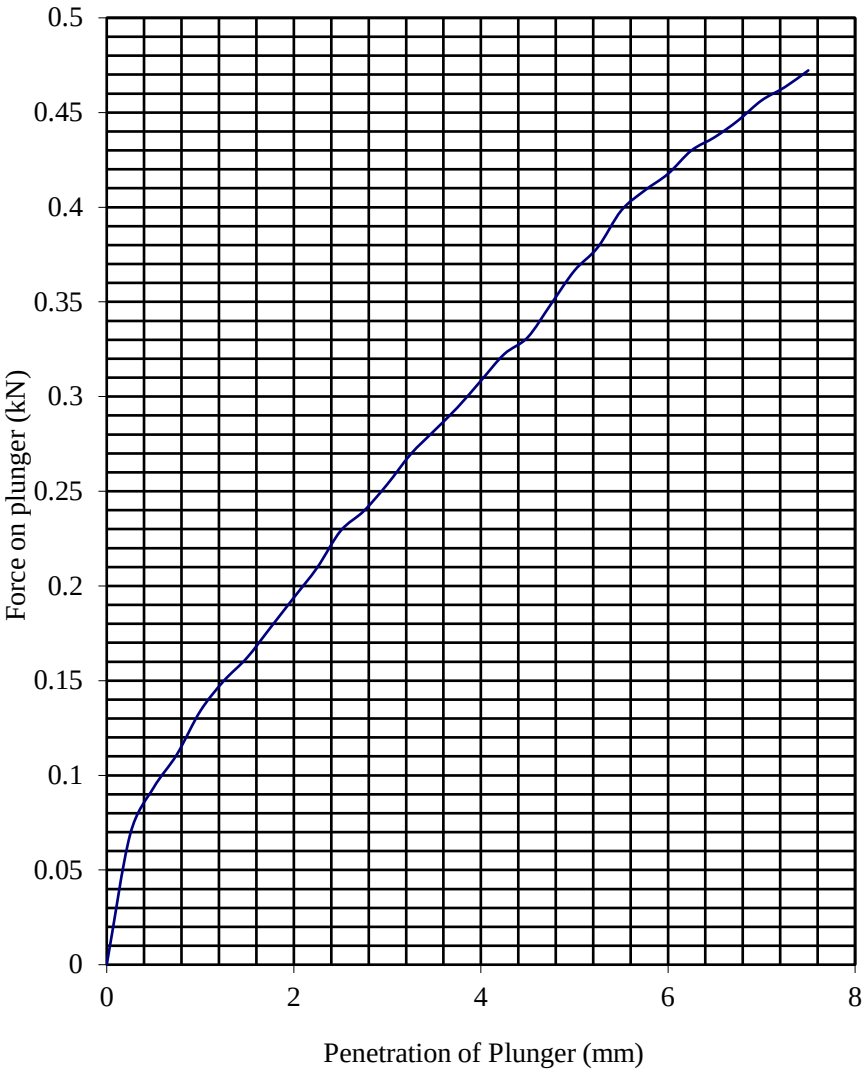
Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	4.1
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	33
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 21 Depth (m) : 0.50



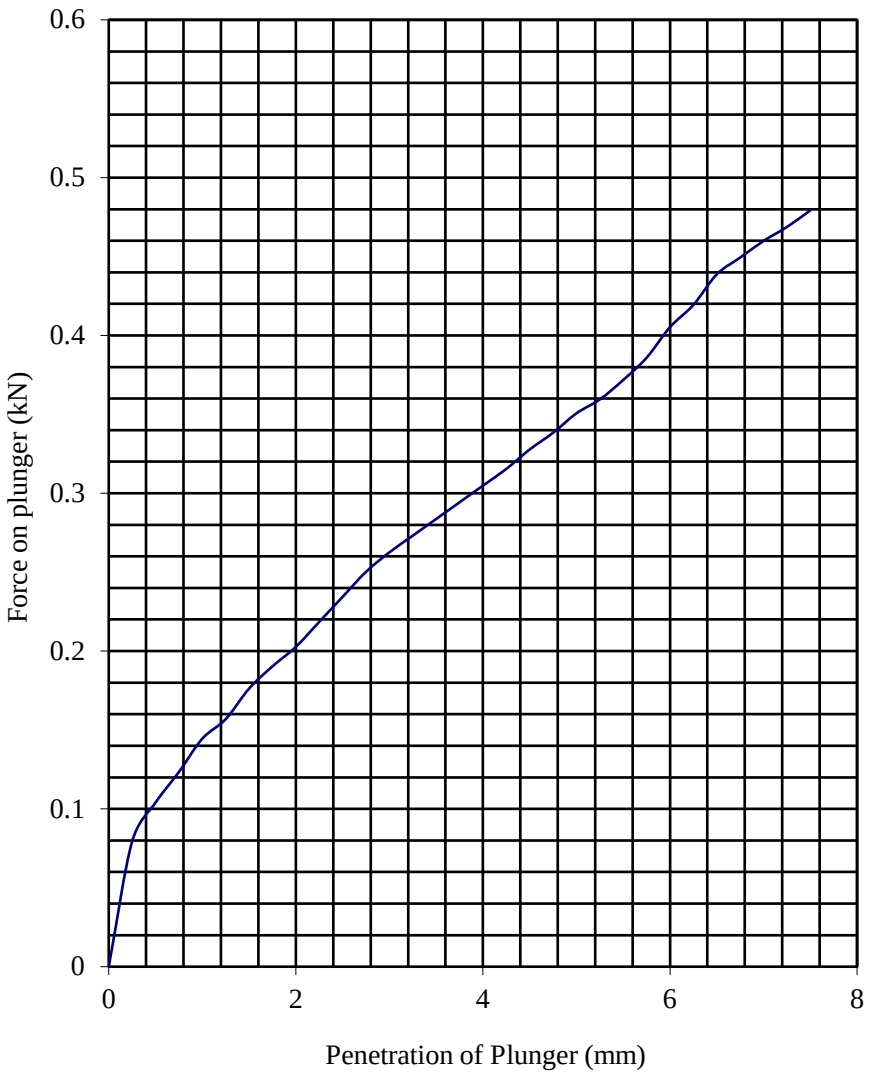
Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	1.8
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	18
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

Insitu California Bearing Ratio Test.

BS 1377 : Part 9 : 1990 Clause 4.3

Position Number: 21 Depth (m) : 1.0



Initial Sample Conditions		Method of Test	Insitu	C.B.R. Value %	1.8
Test Date	22-Sep-17	Estimated Percentage above 20mm:	0	Moisture Content:	21
Remarks:	Brown slightly gravely slighty sandy clay				
Required CBR Value:		N/A	Passed /Failed	N/A	

UKAS TESTING 4043	PSL Professional Soils Laboratory	**Sunderland**	**Contract No:** PSL17/4657 **Client Ref:**

APPENDIX E

Geotechnical Laboratory Results