



ALLEGATO 1

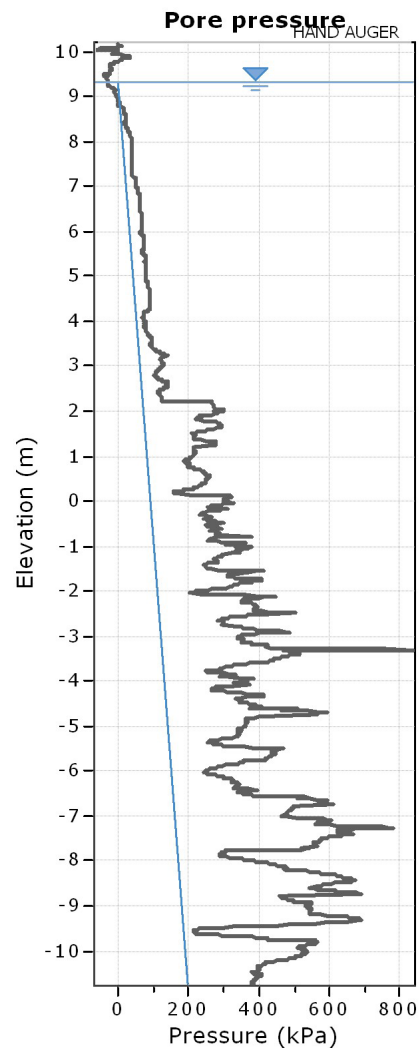
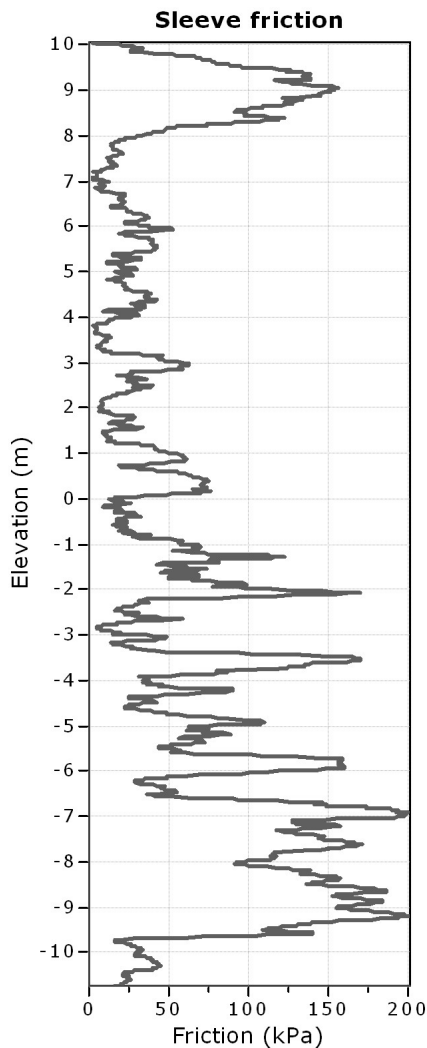
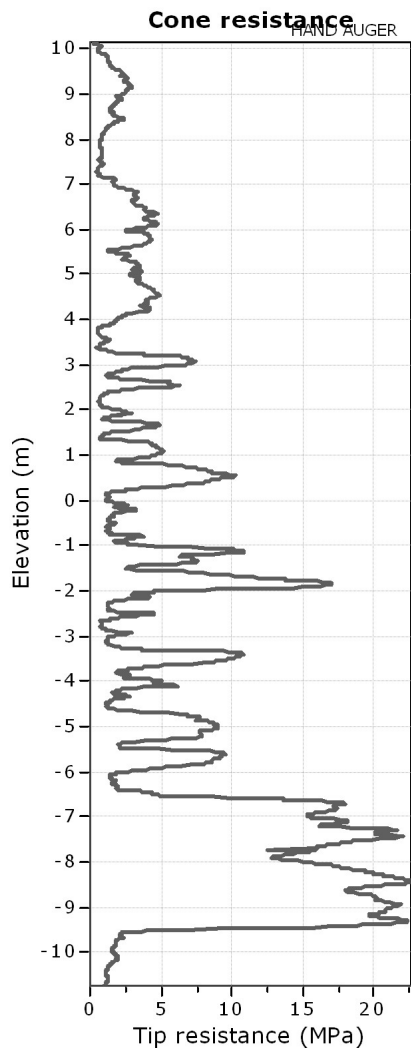


A world of
capabilities
delivered locally



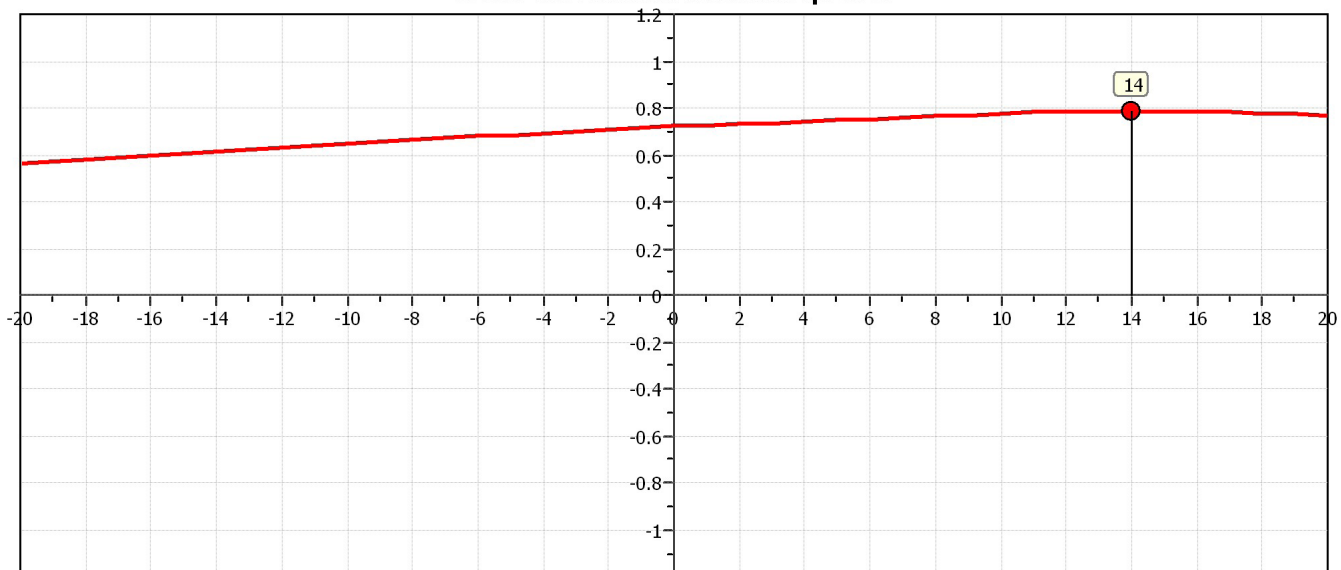
Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



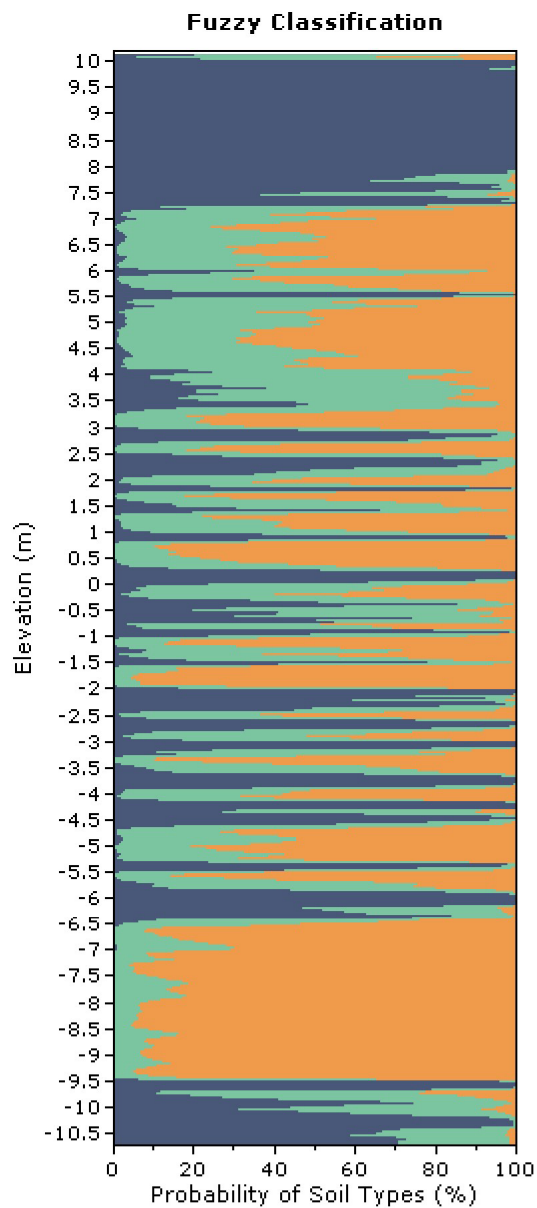
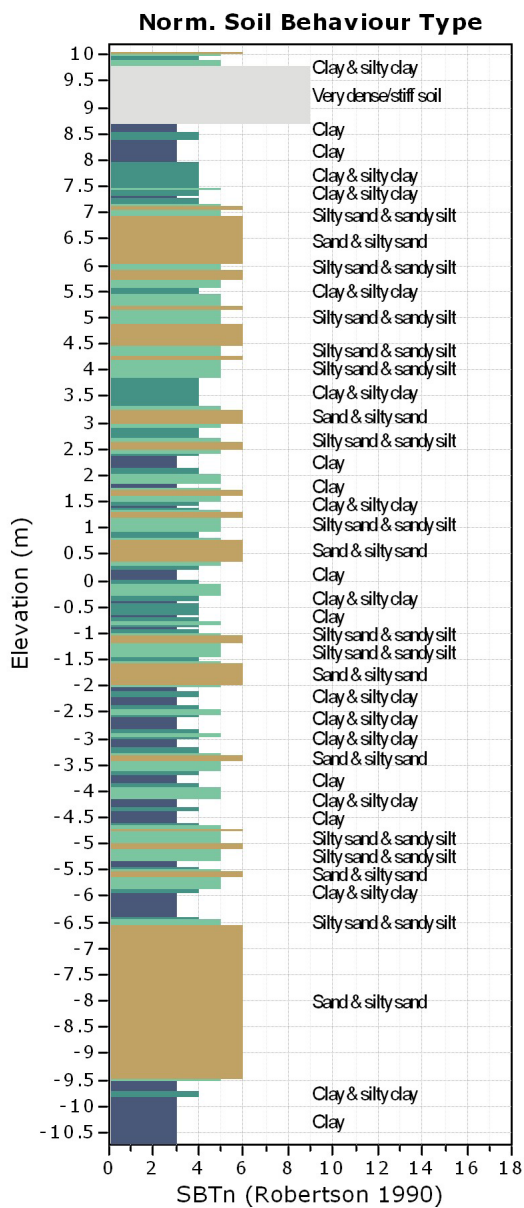
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).

Cross correlation between qc & fs



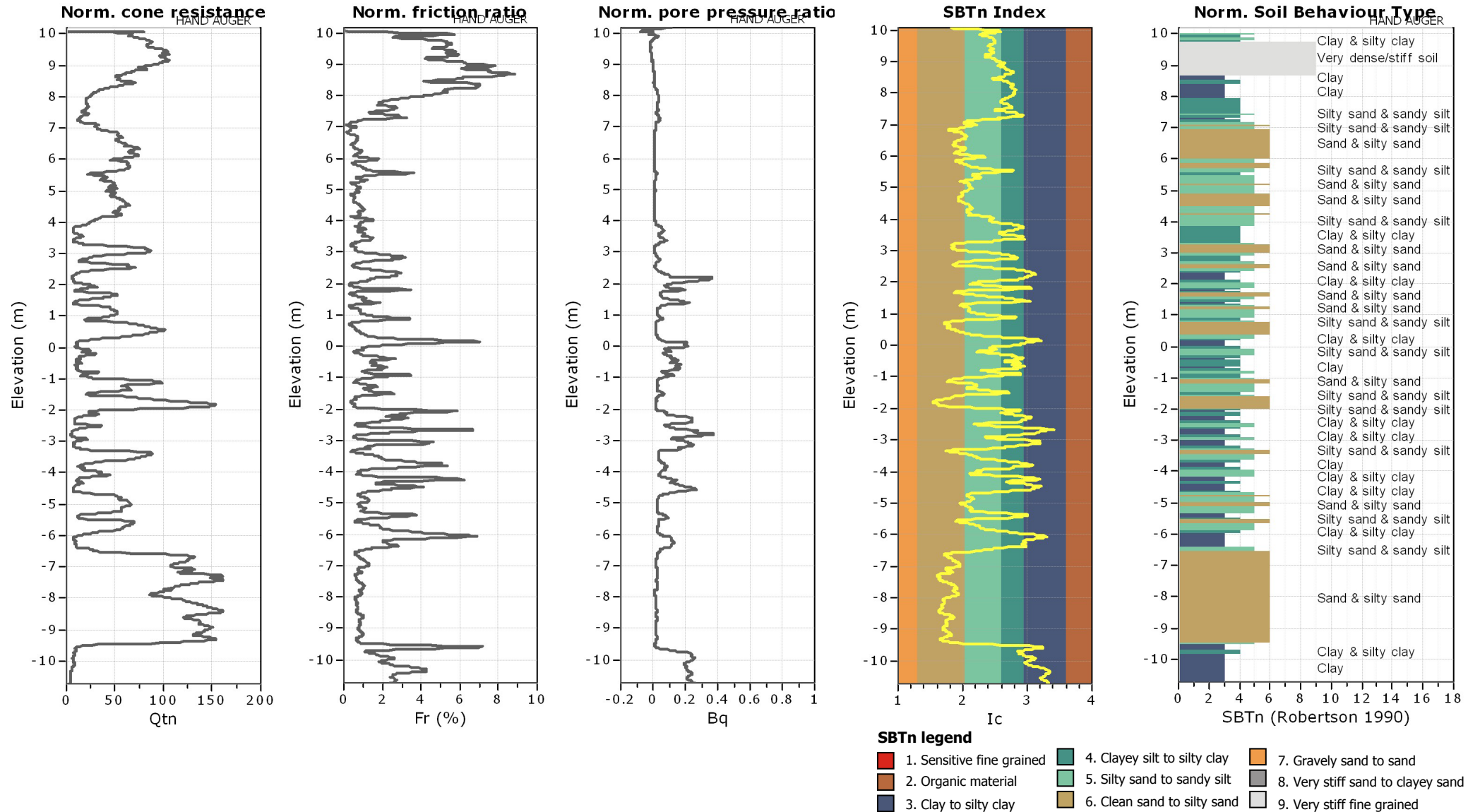
Project: EX DISCARICA SALZANO

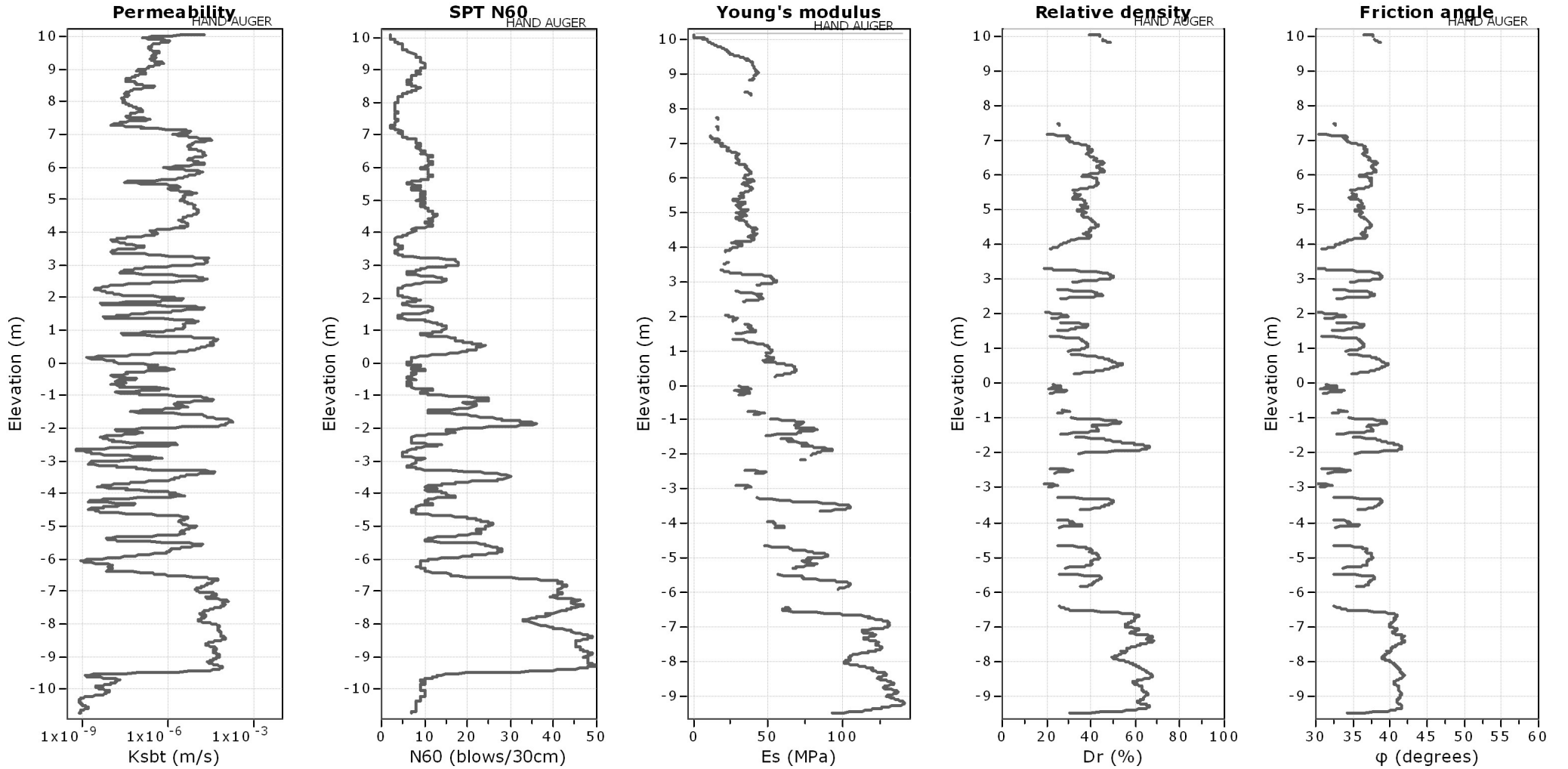
Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '





Calculation parameters

Permeability: Based on SBT_n

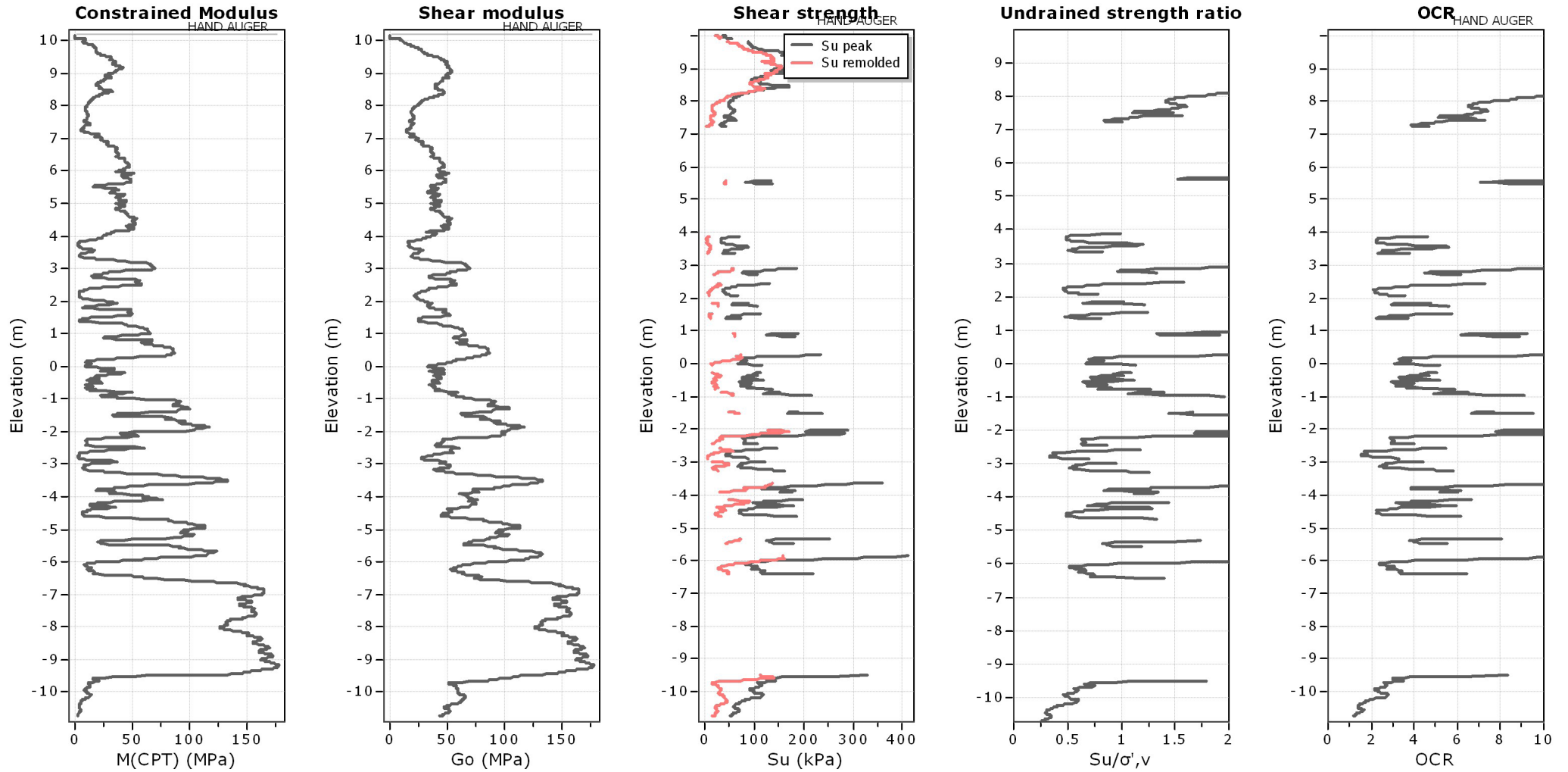
SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

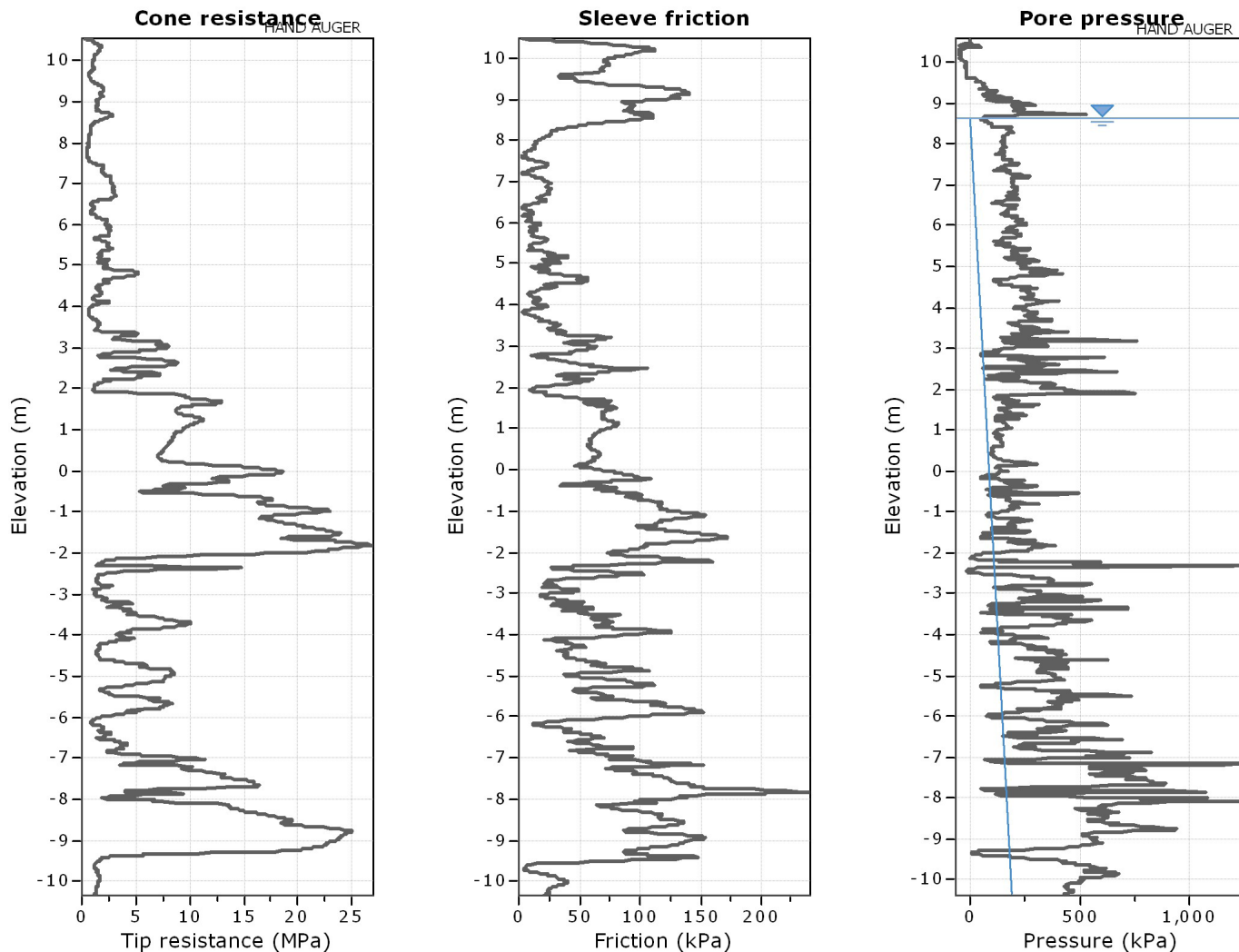
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

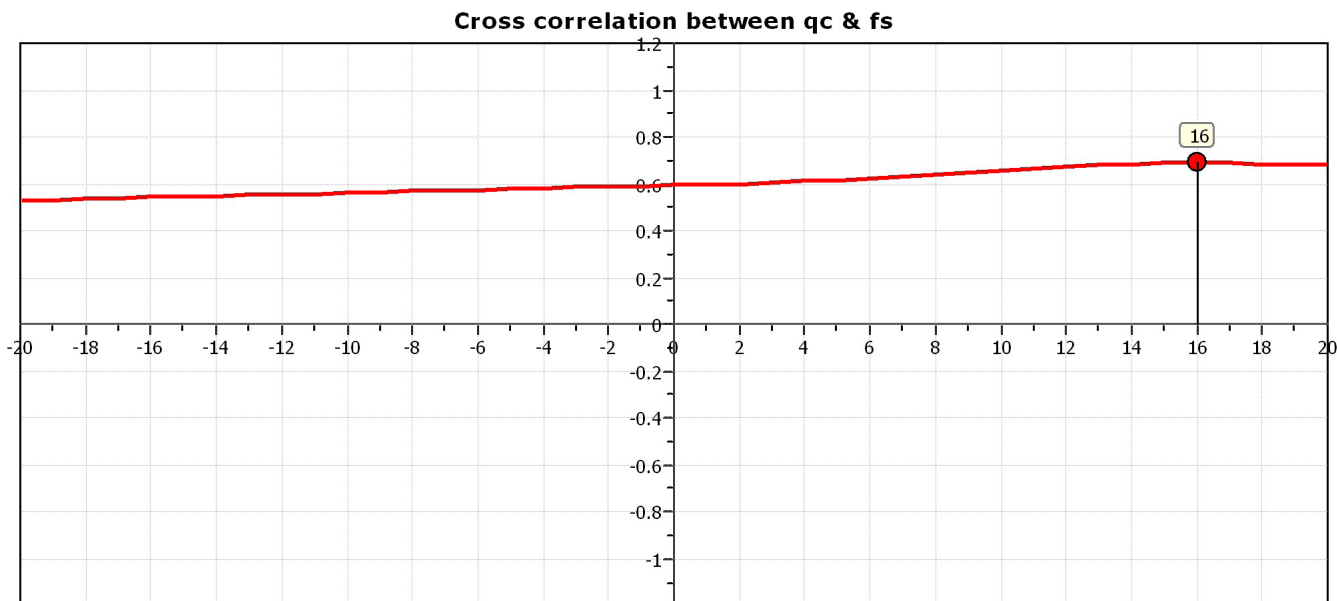
● — User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '

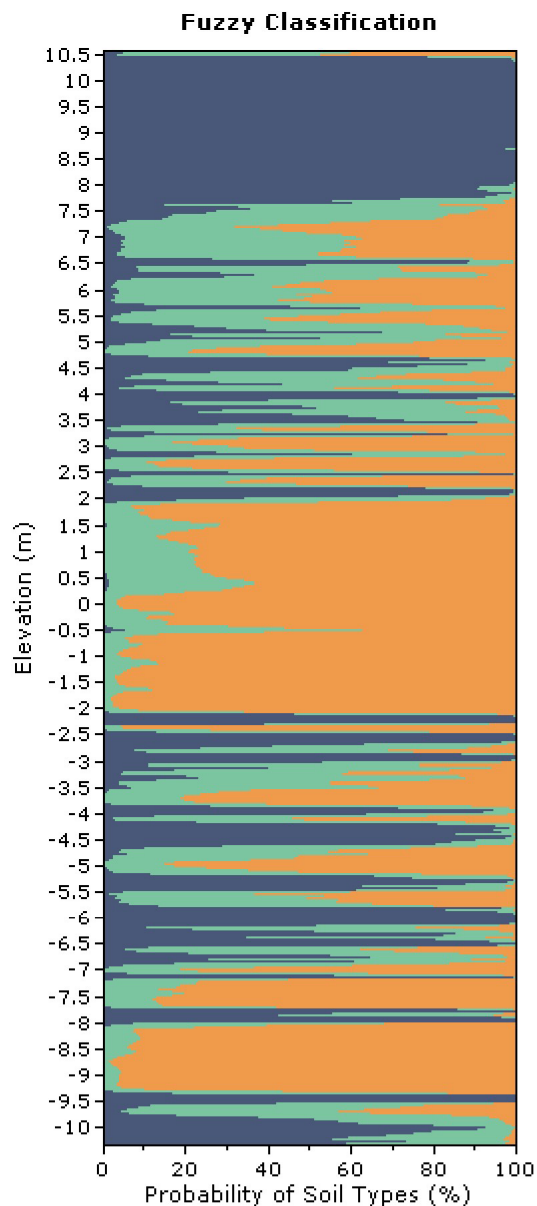
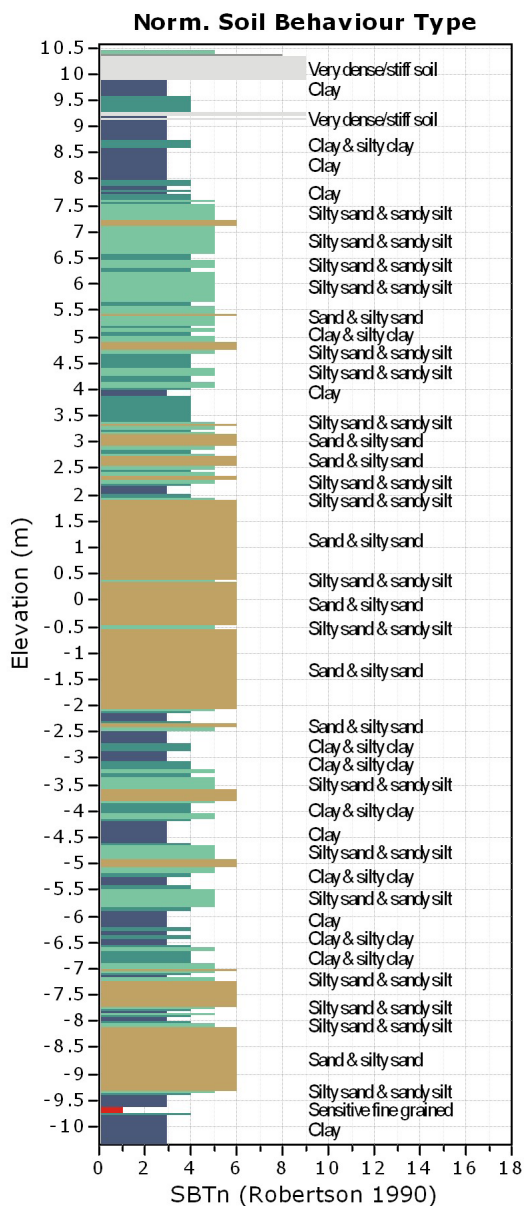


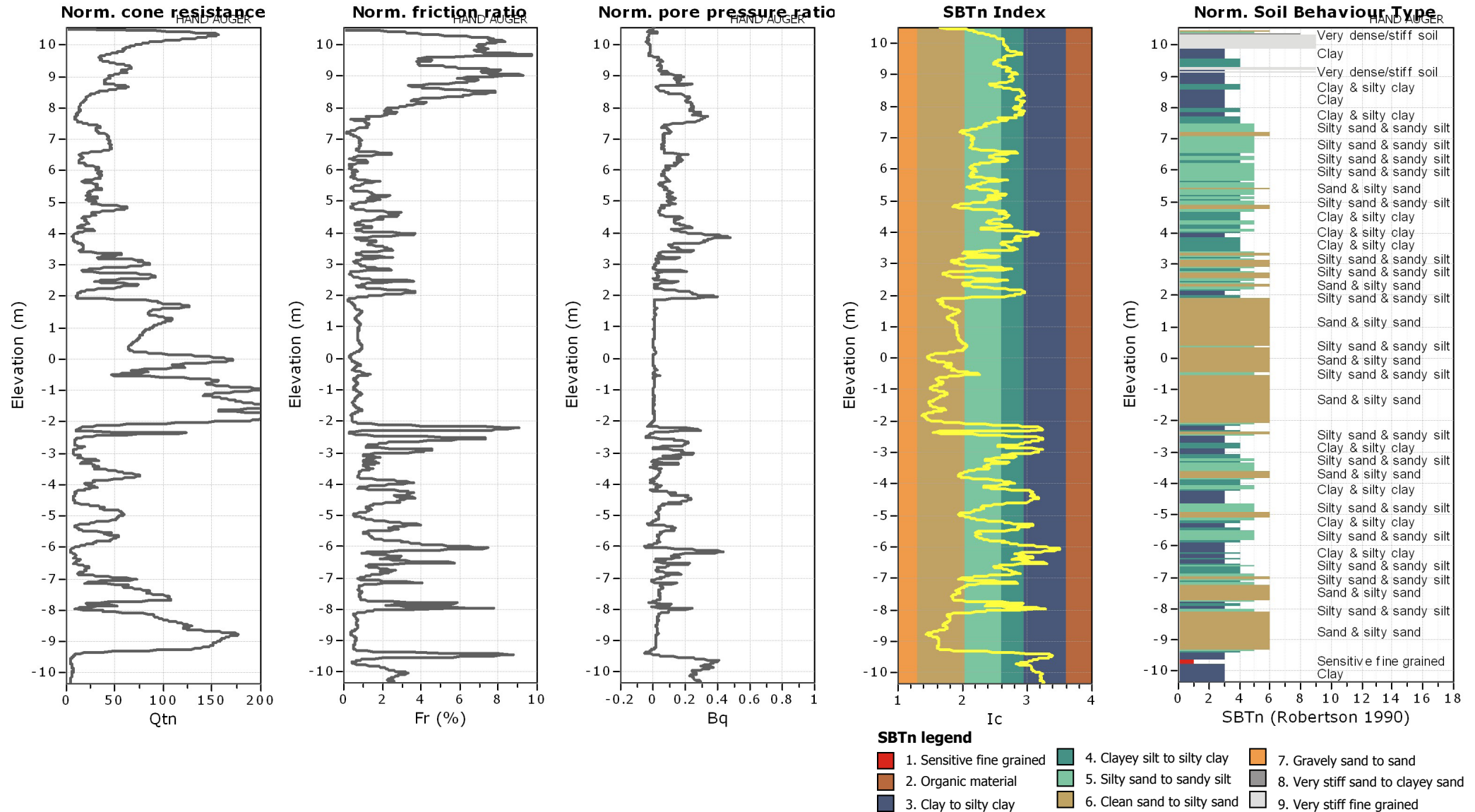
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project: EX DISCARICA SALZANO

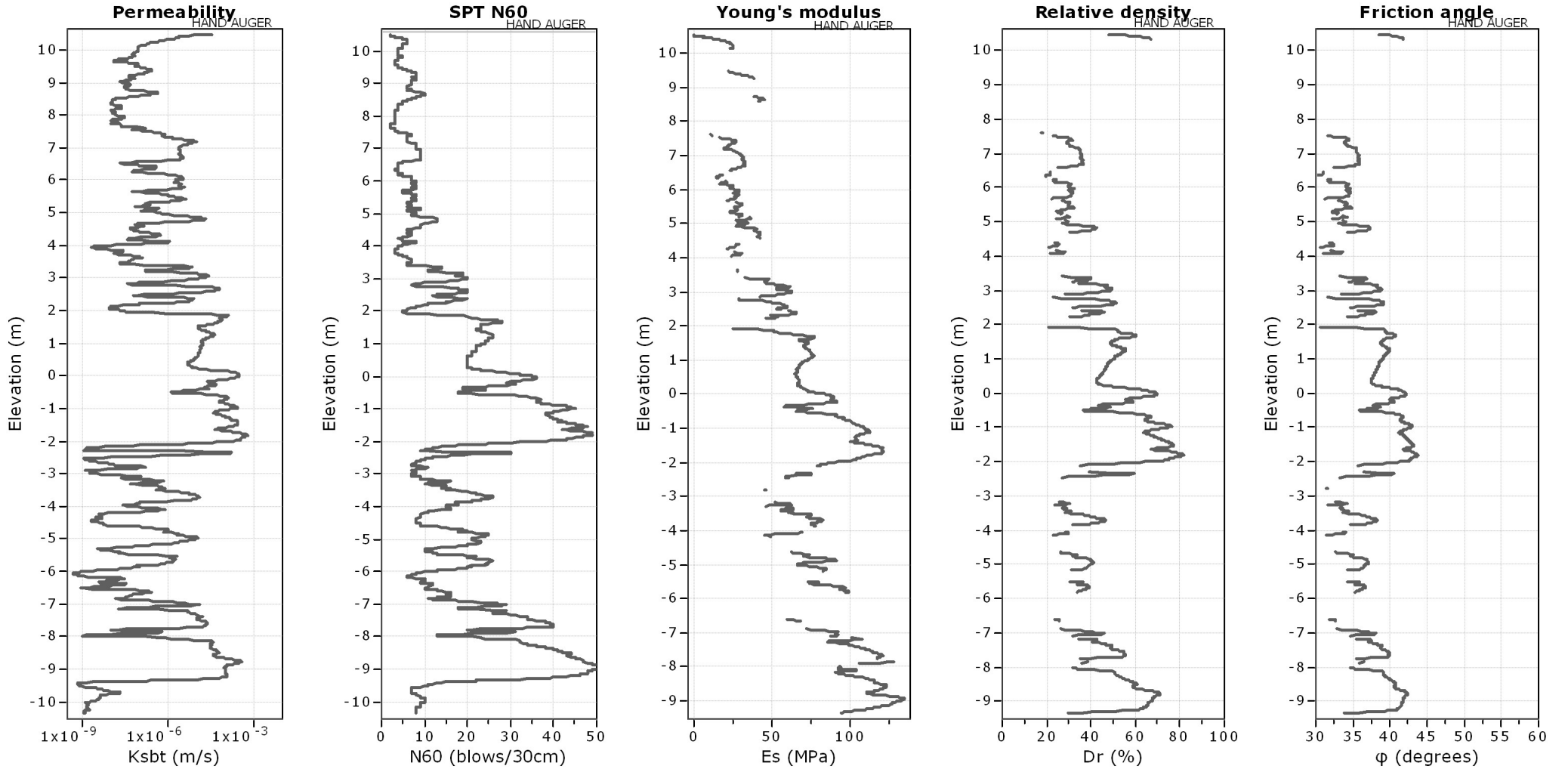
Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '





Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Permeability: Based on SBT_n

SPT N₆₀: Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

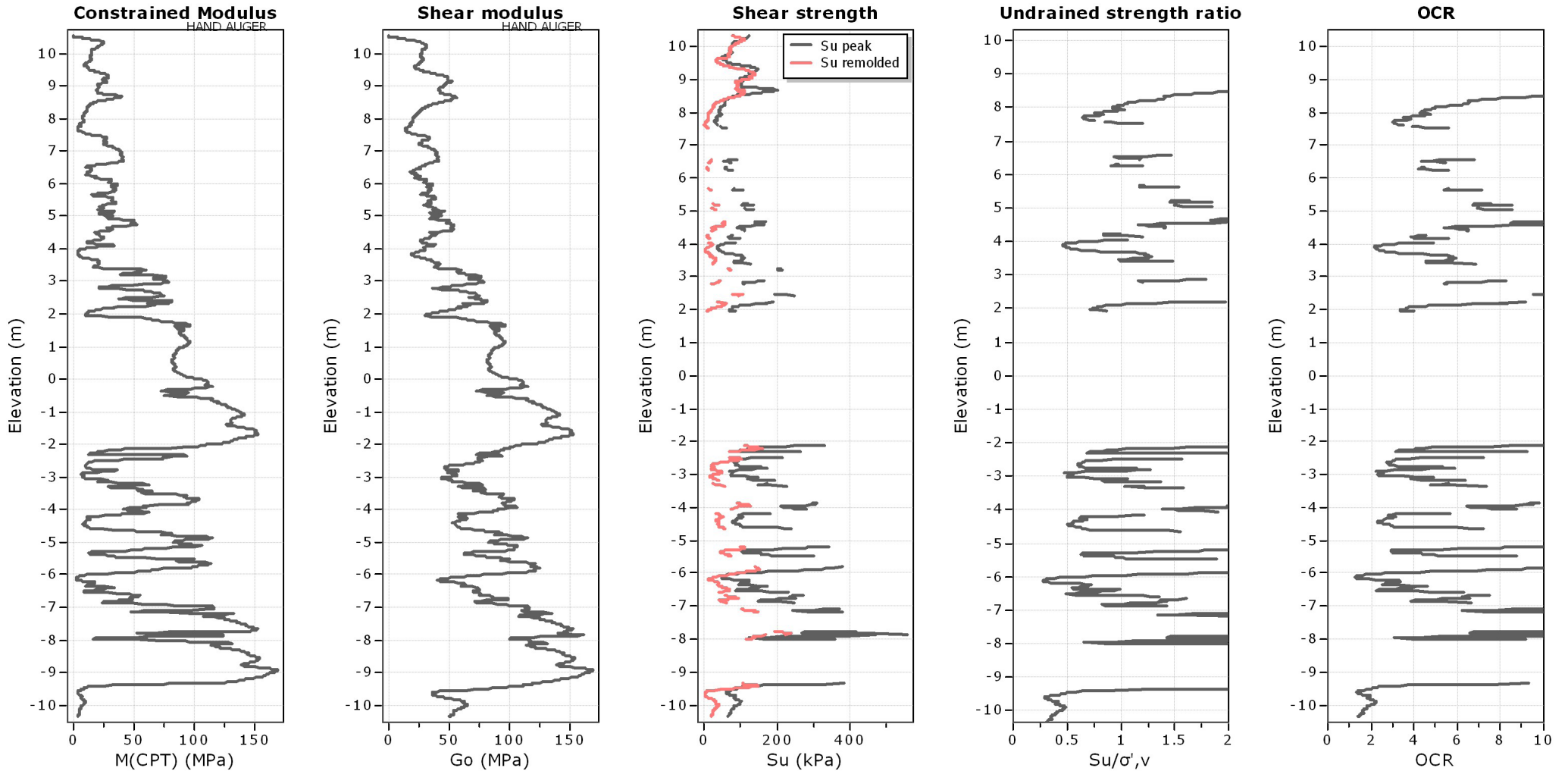
Relative density constant, C_{Dr}: 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_m (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

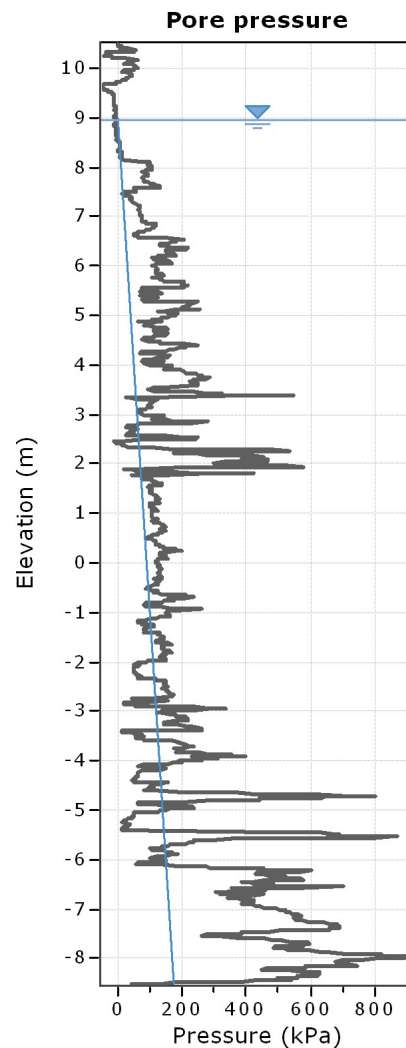
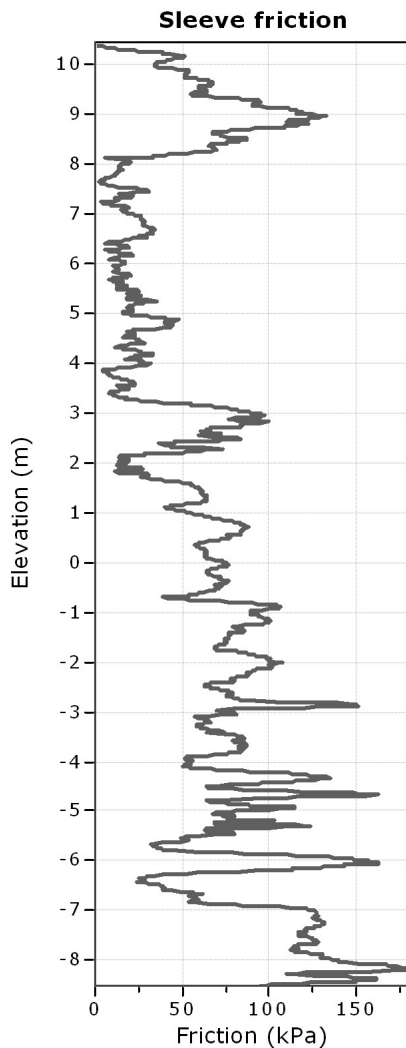
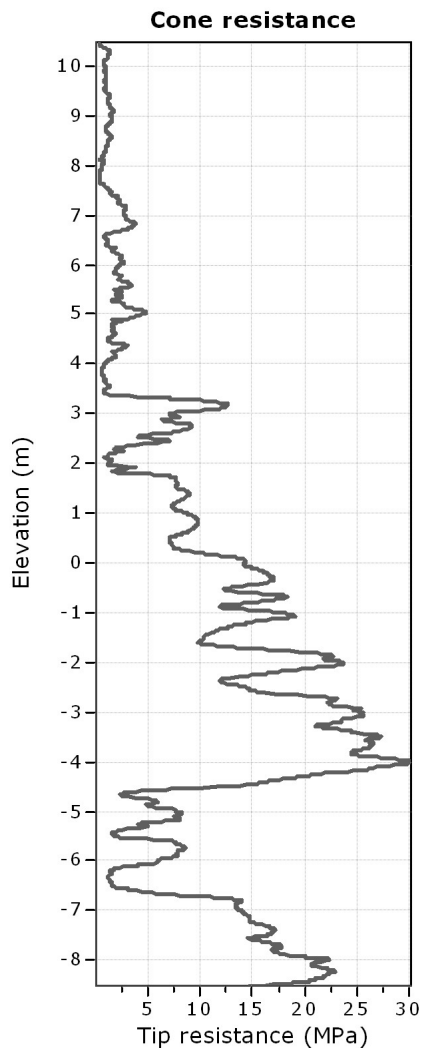
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

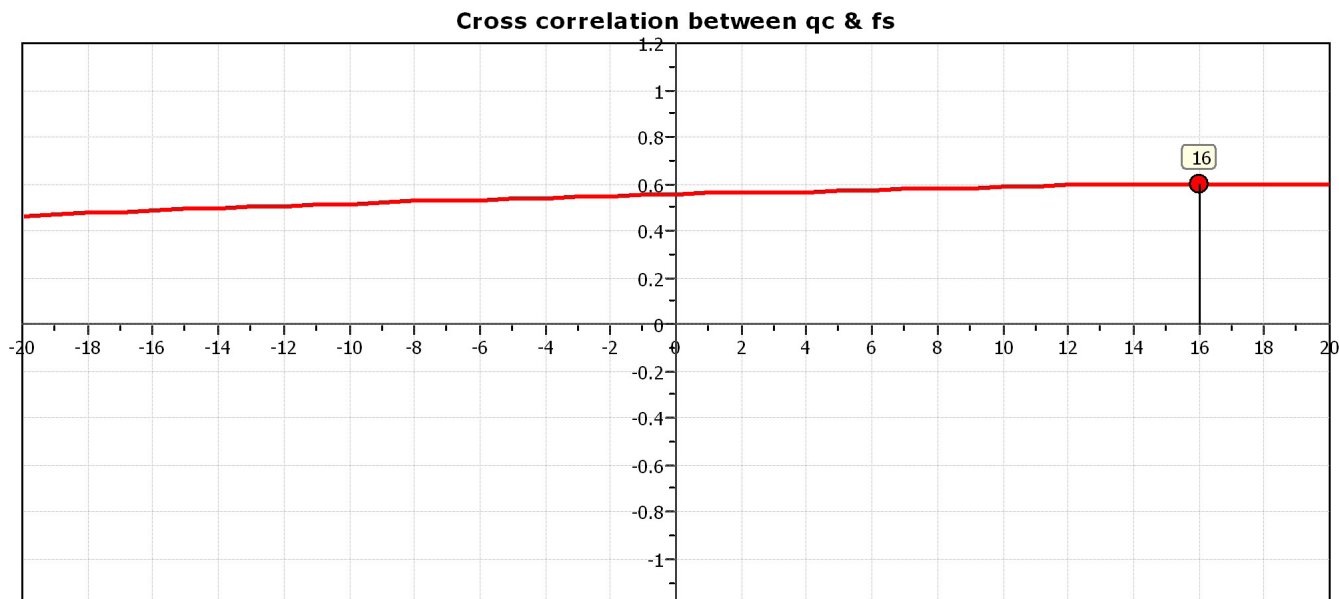
● — User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '

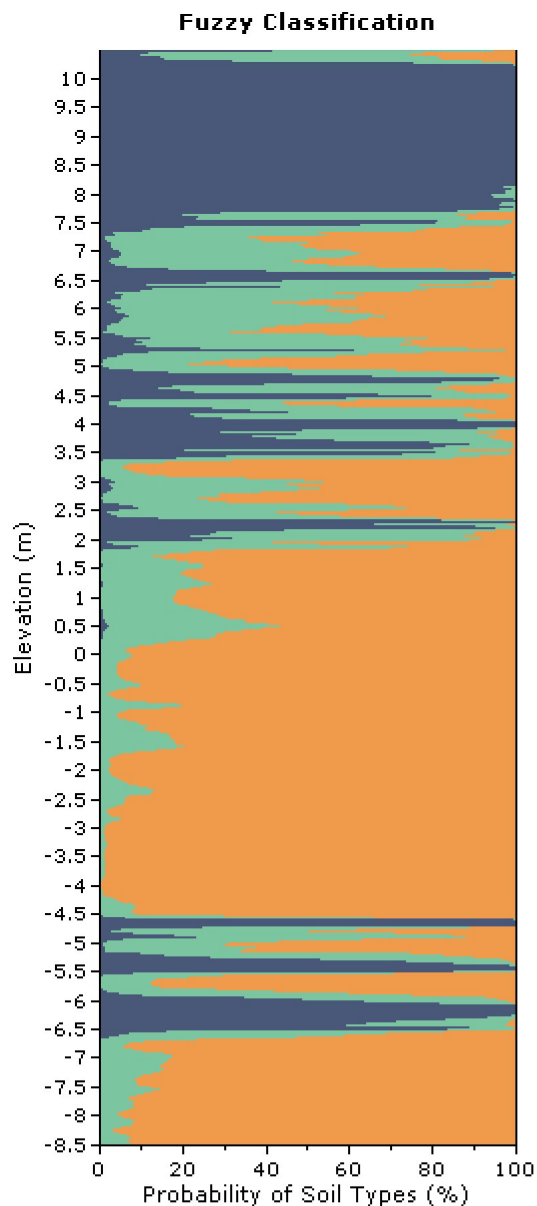
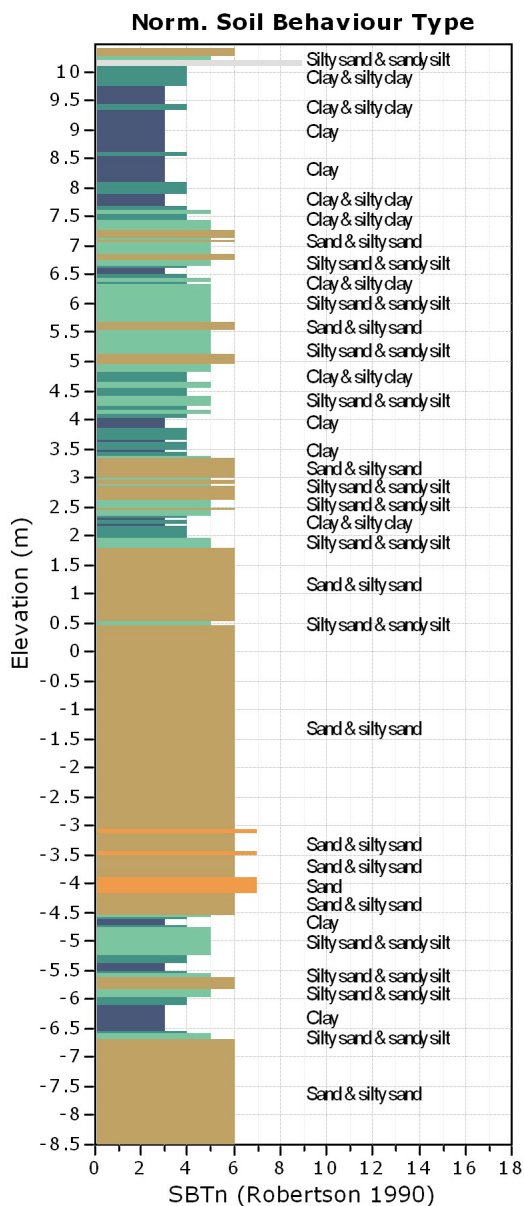


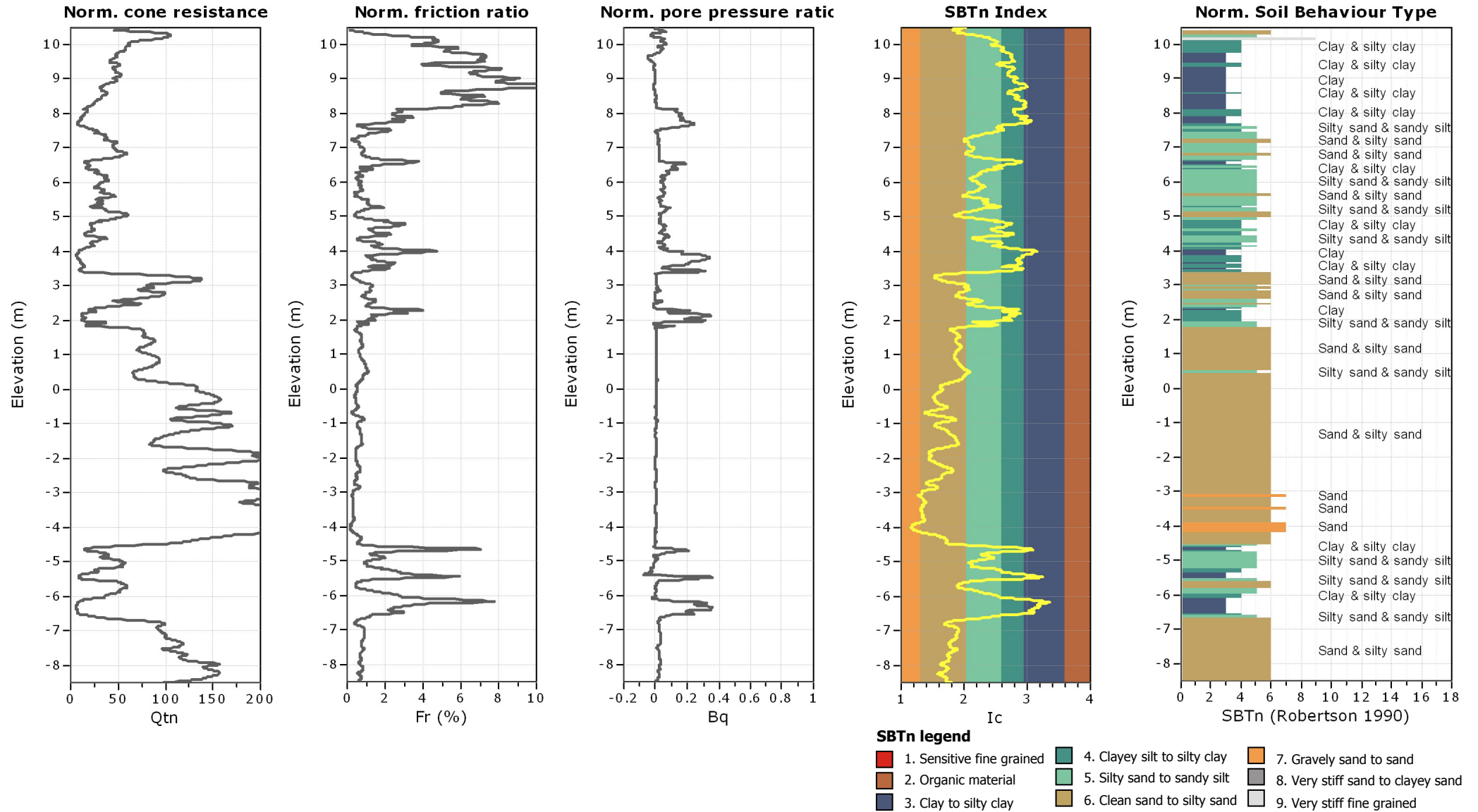
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project: EX DISCARICA SALZANO

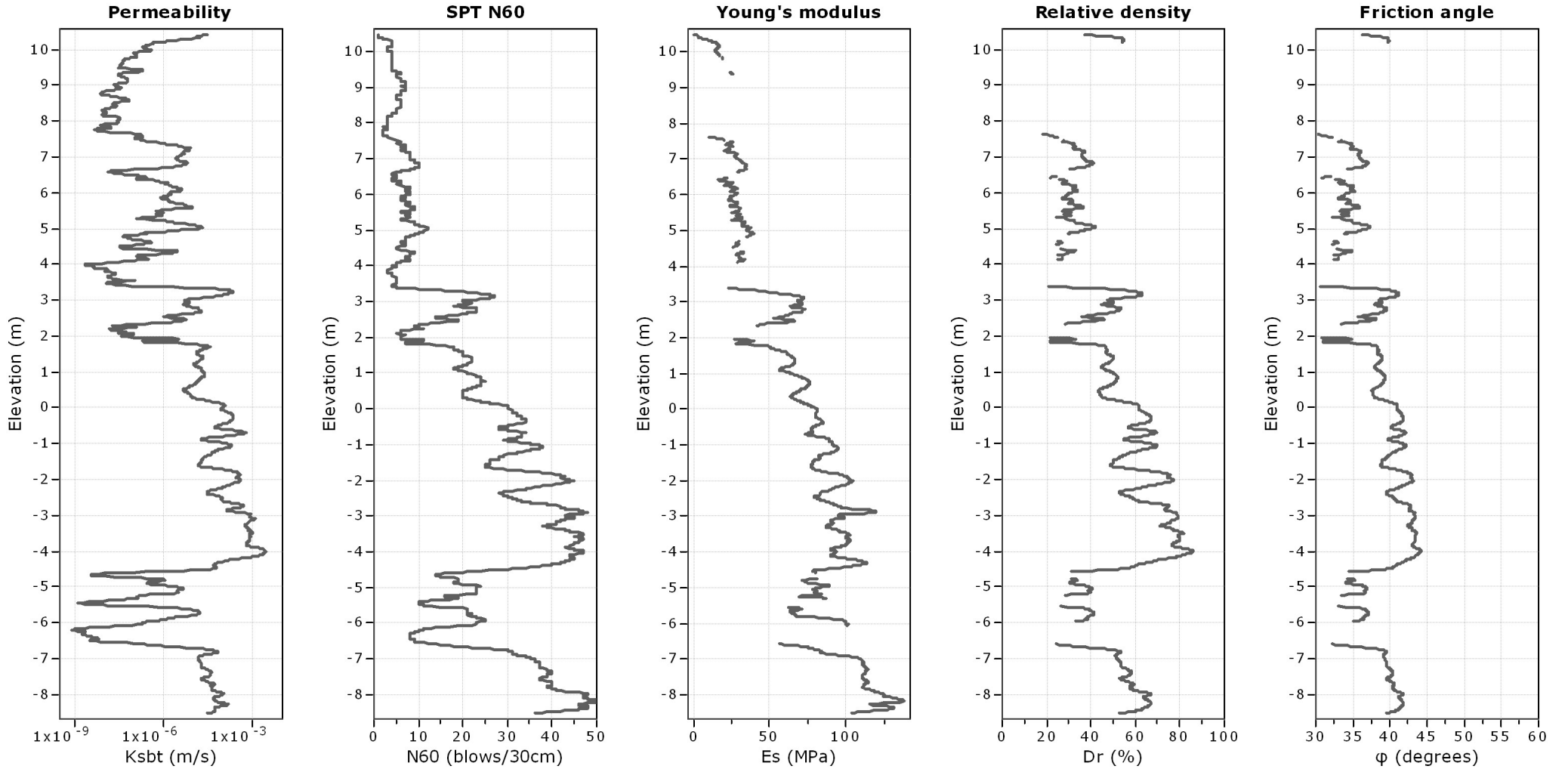
Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '





Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Permeability: Based on SBT_n

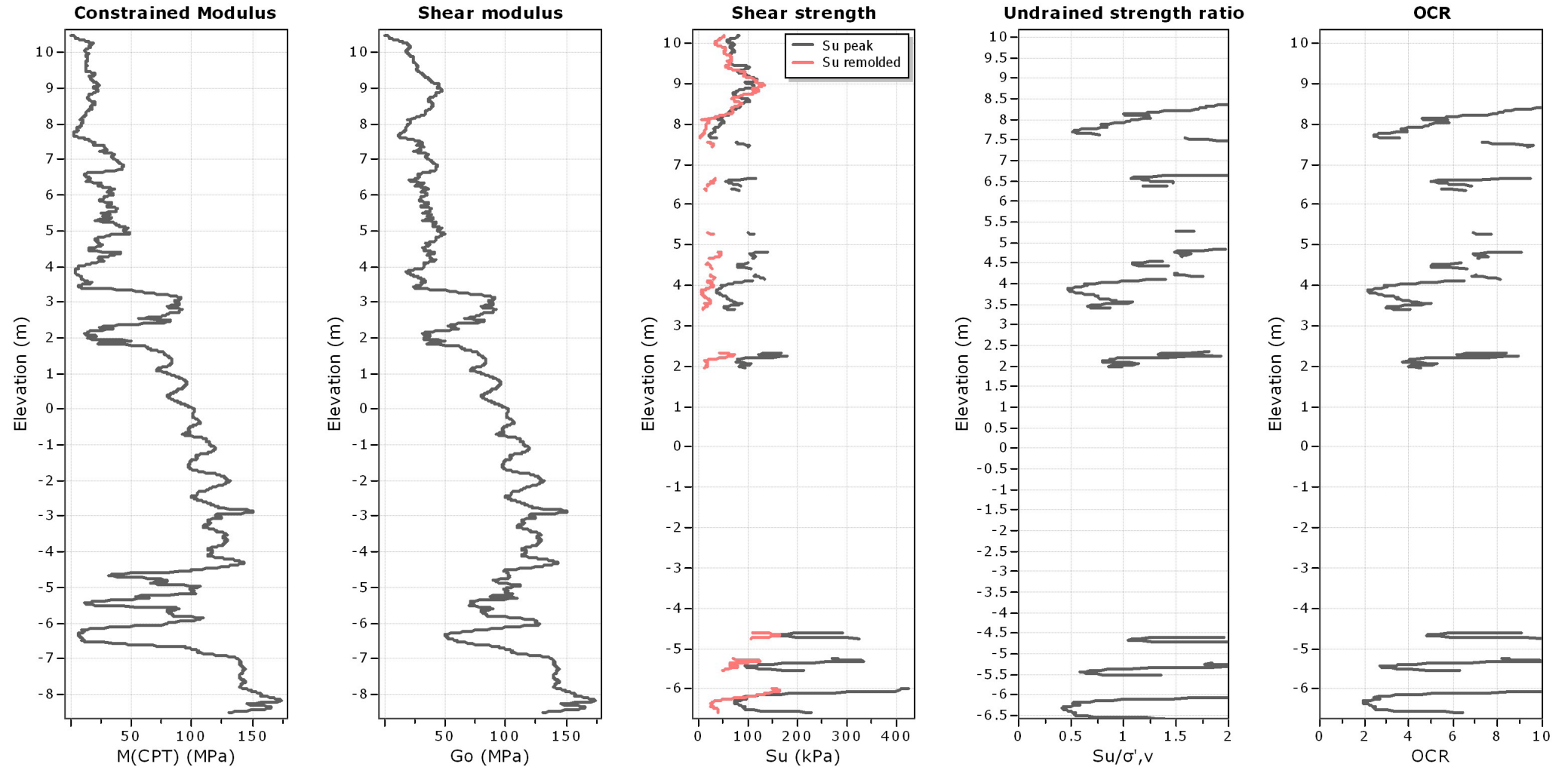
SPT N₆₀: Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

Relative density constant, C_{Dr}: 350.0

Phi: Based on Kulhawy & Mayne (1990)

●— User defined estimation data



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

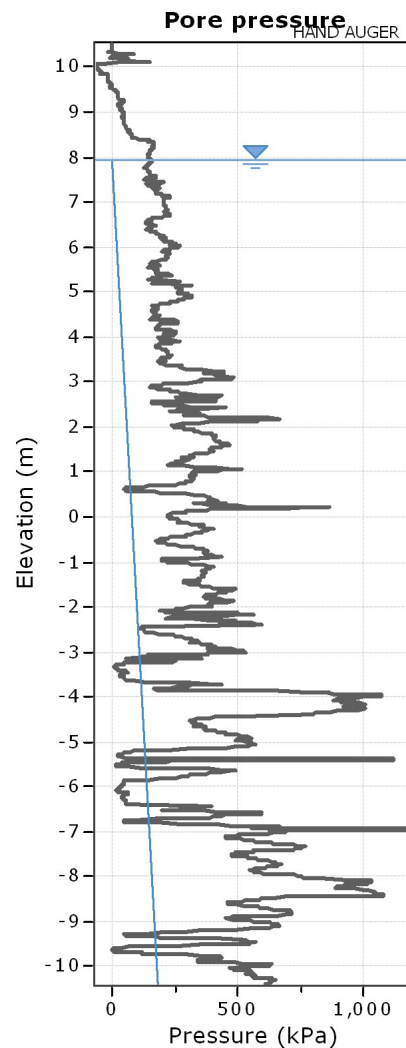
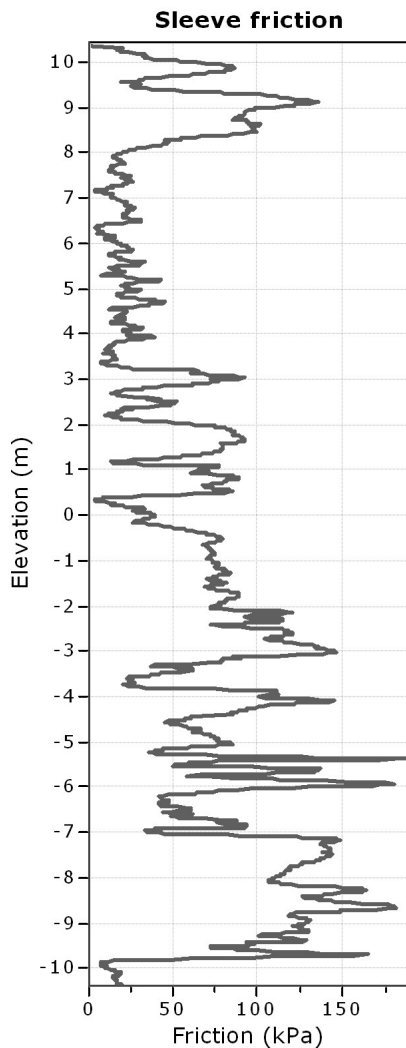
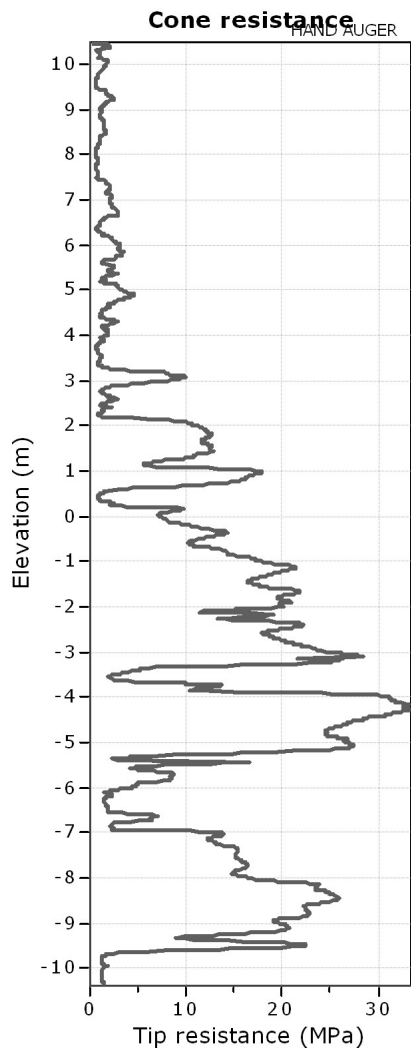
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

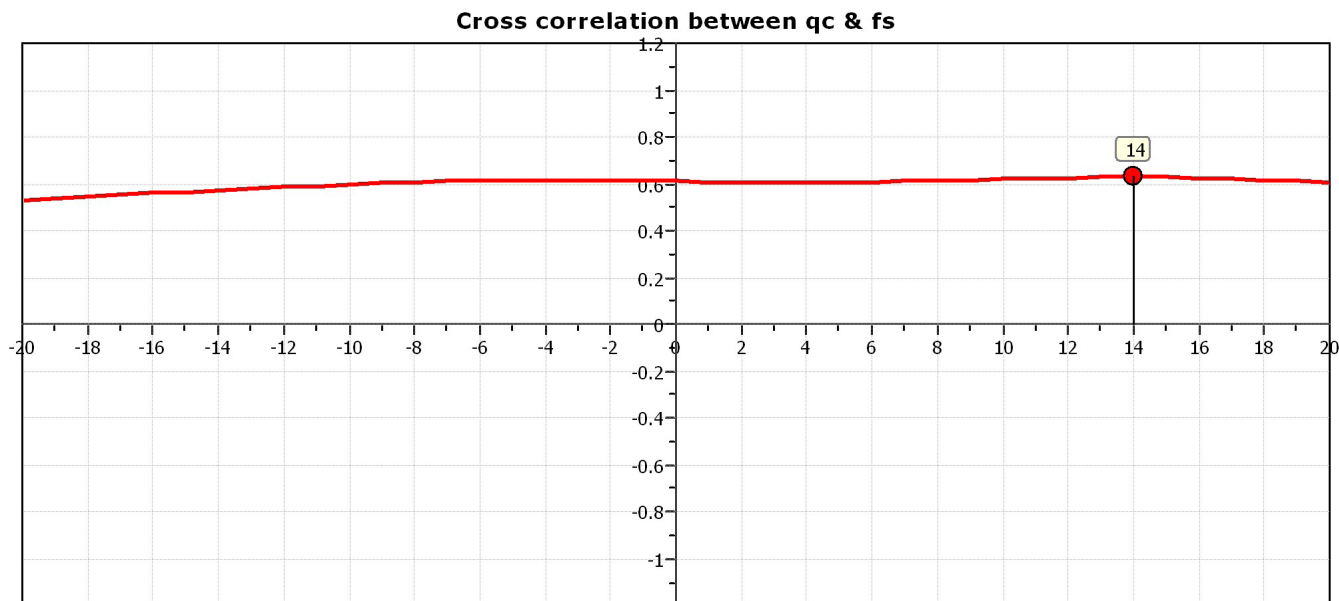
● User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '

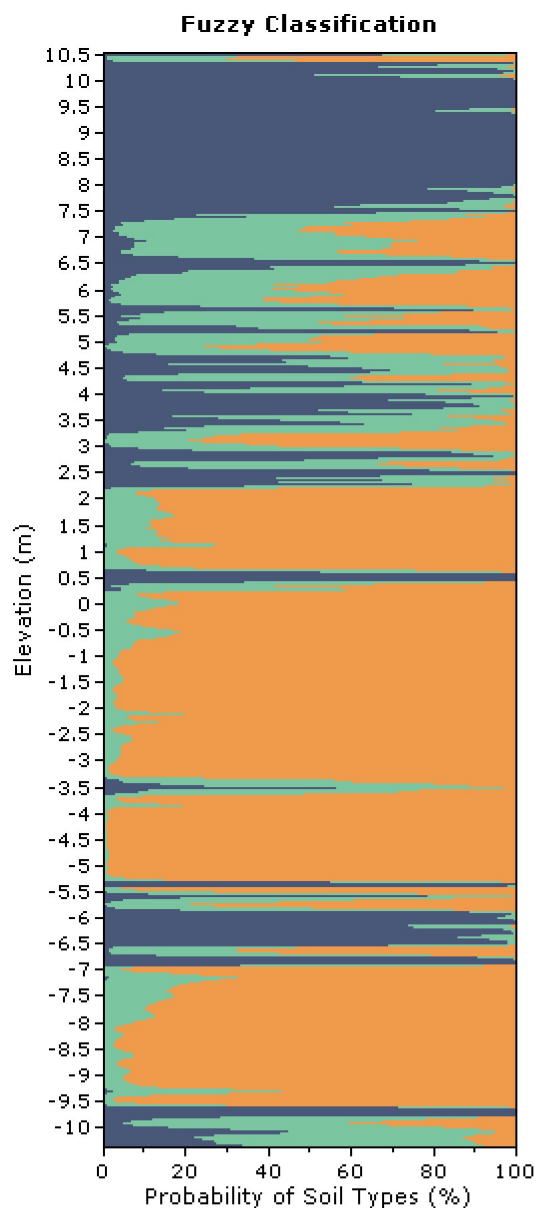
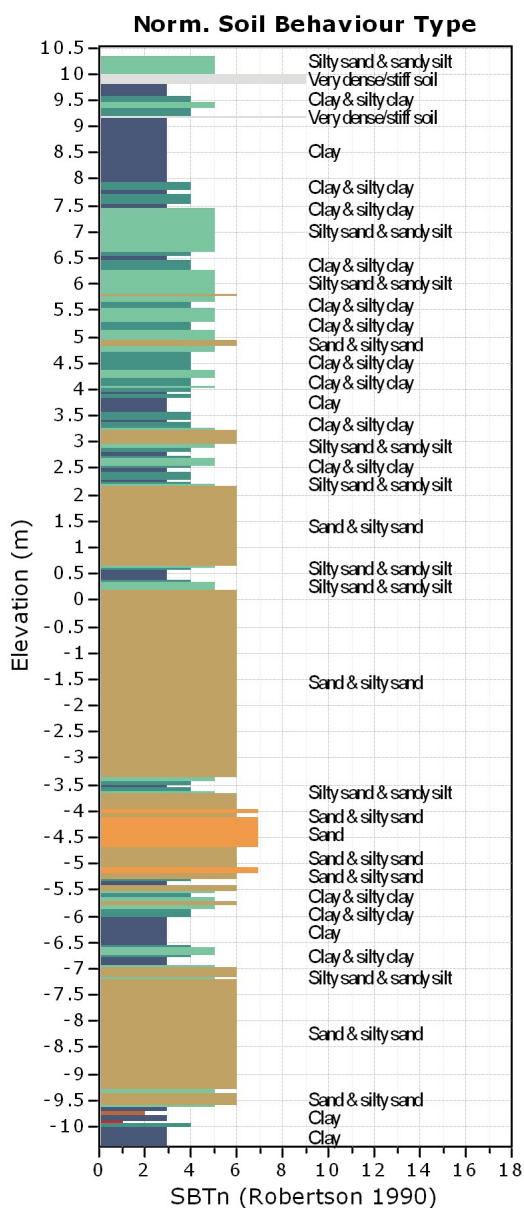


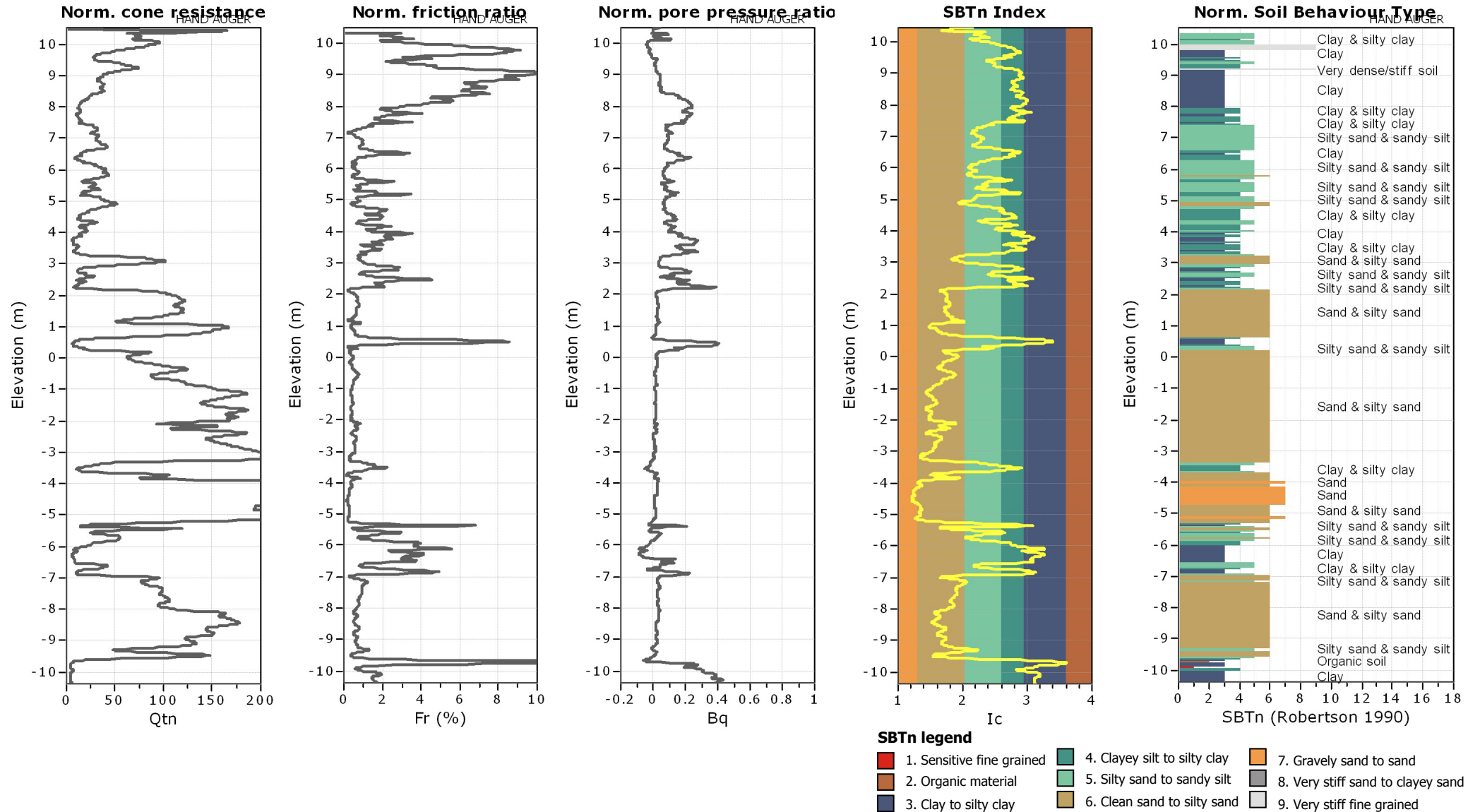
The plot below presents the cross correlation coefficient between the raw q_c and f_s values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project: EX DISCARICA SALZANO

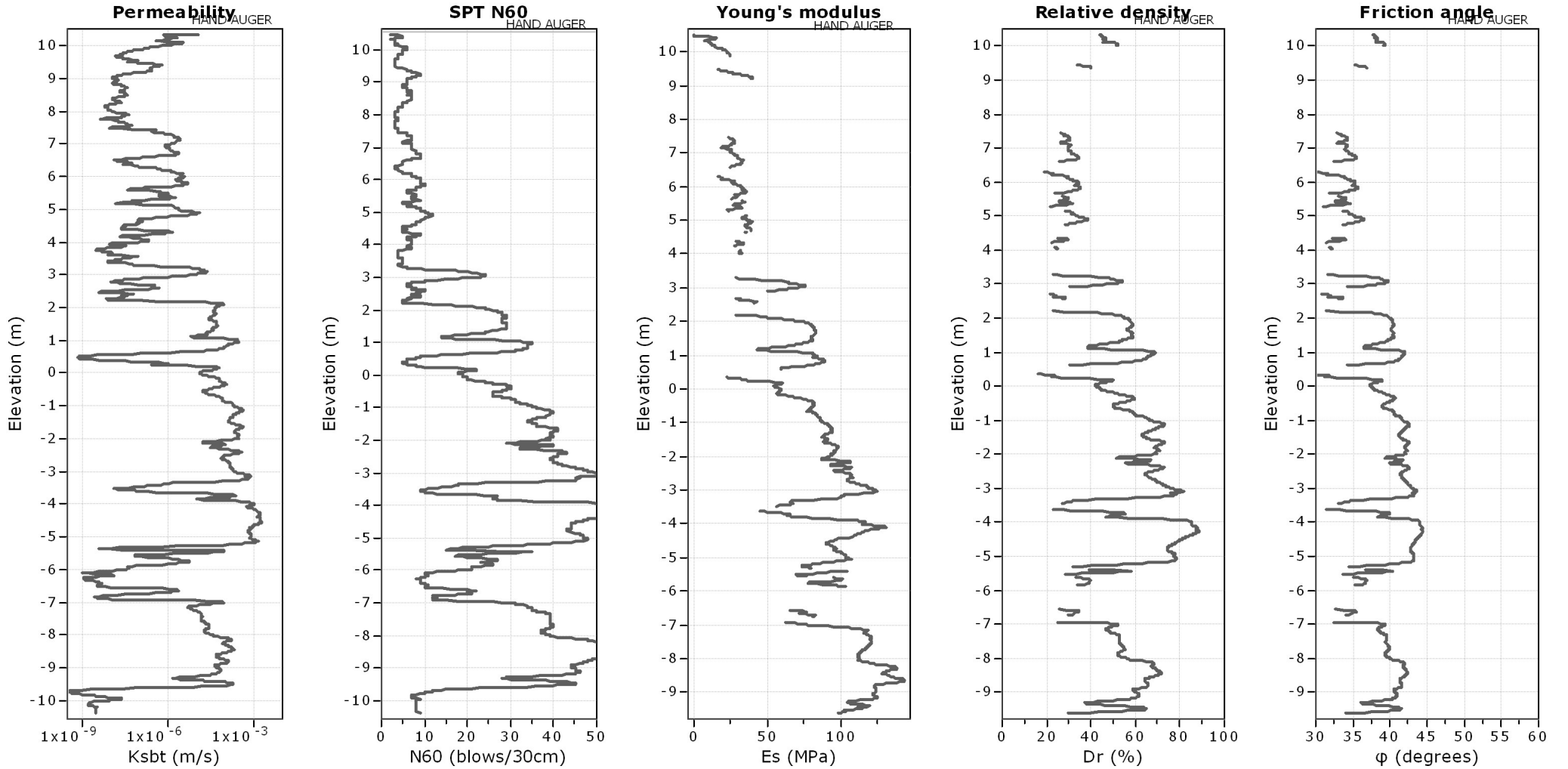
Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '





Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

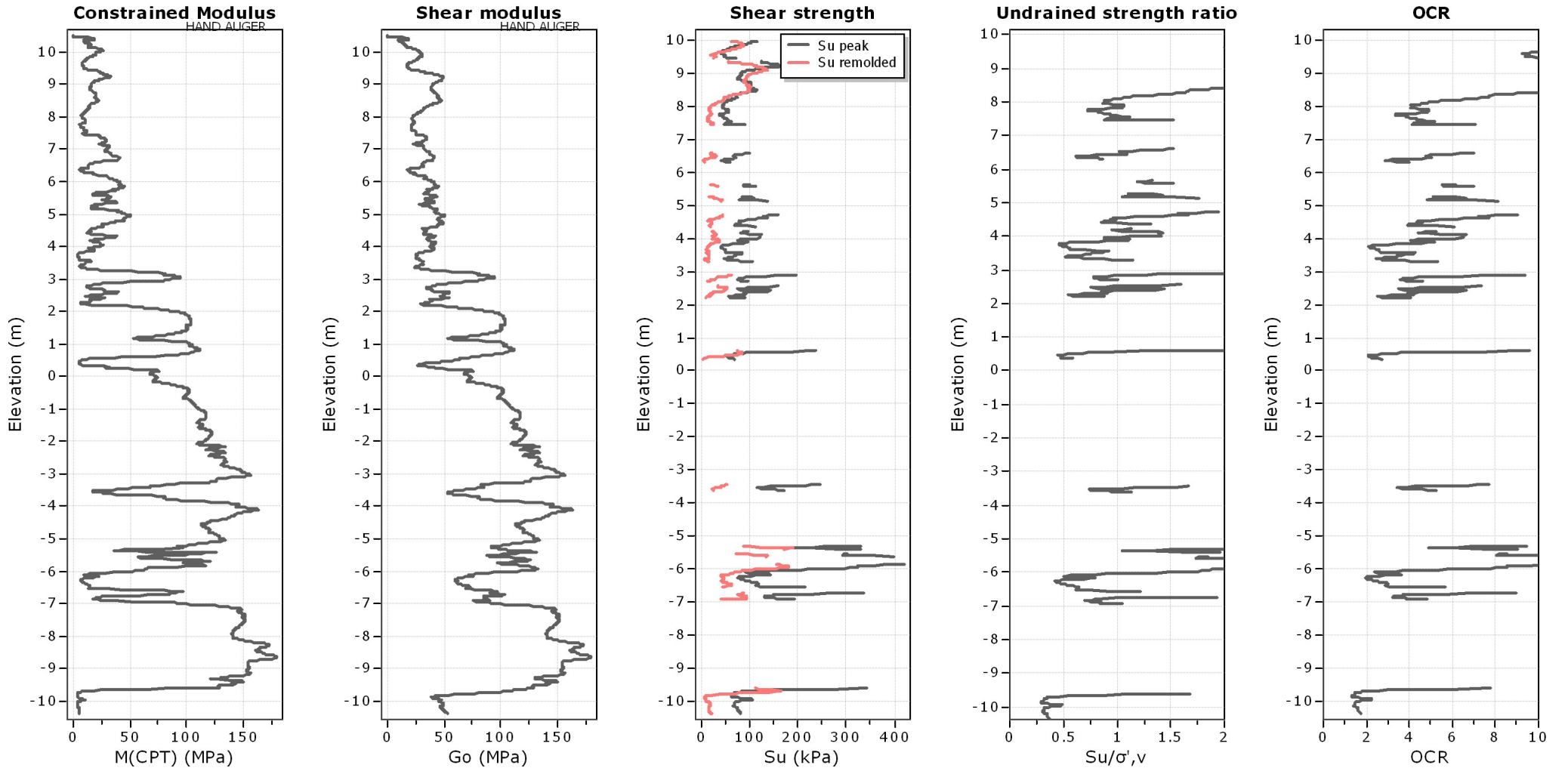
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

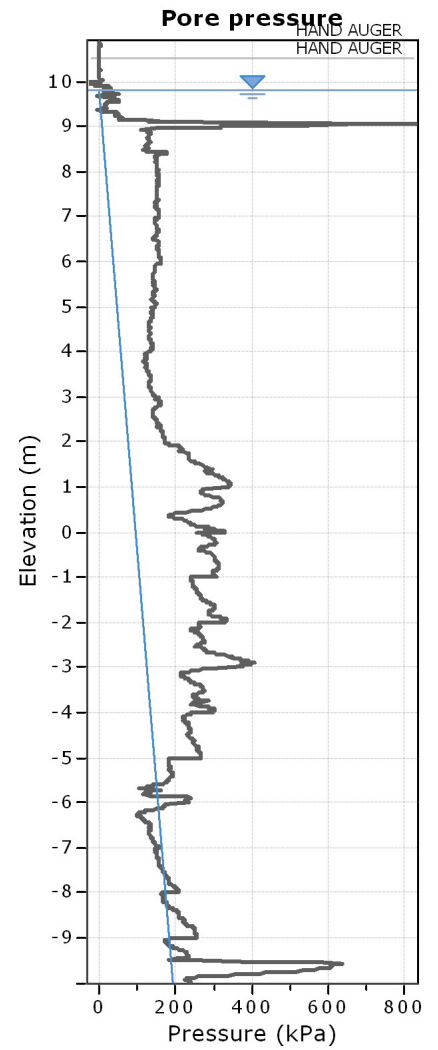
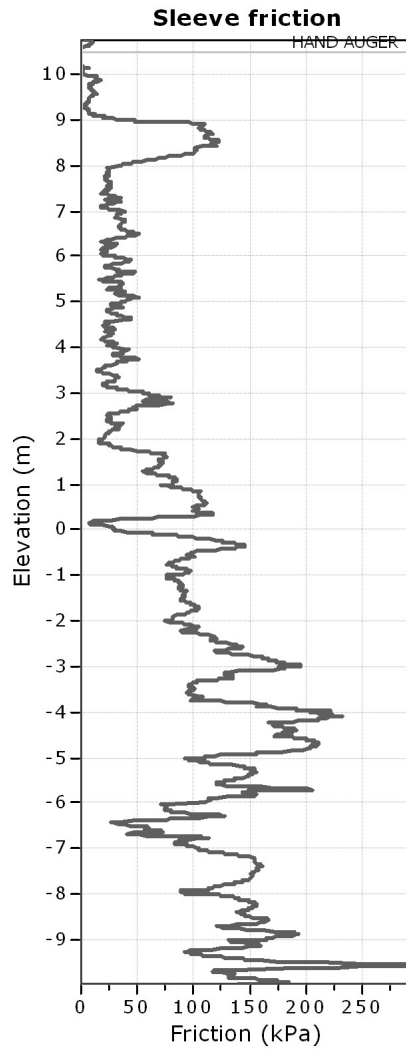
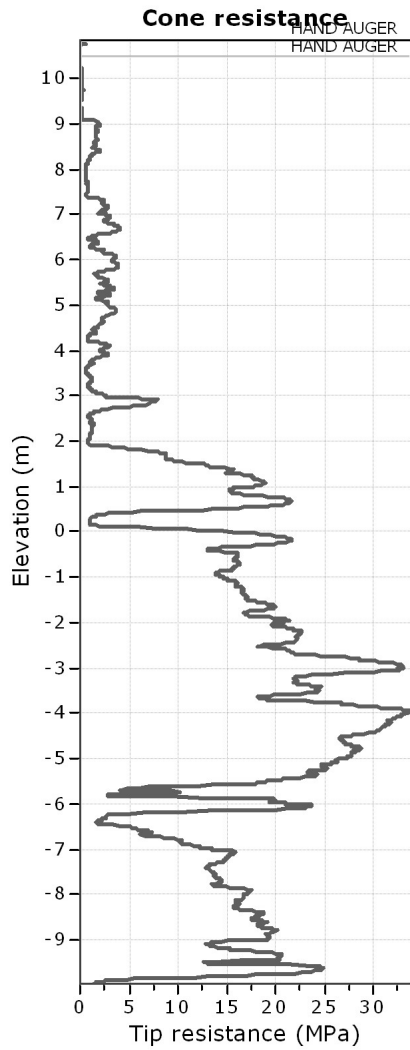
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

● — User defined estimation data

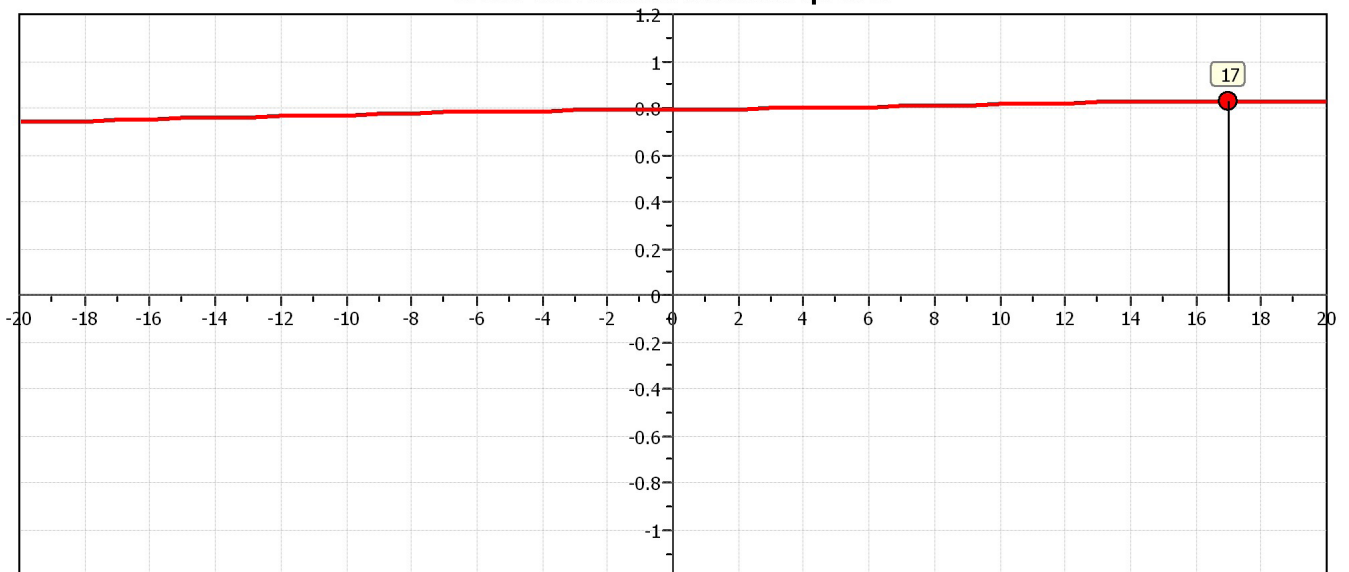
Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



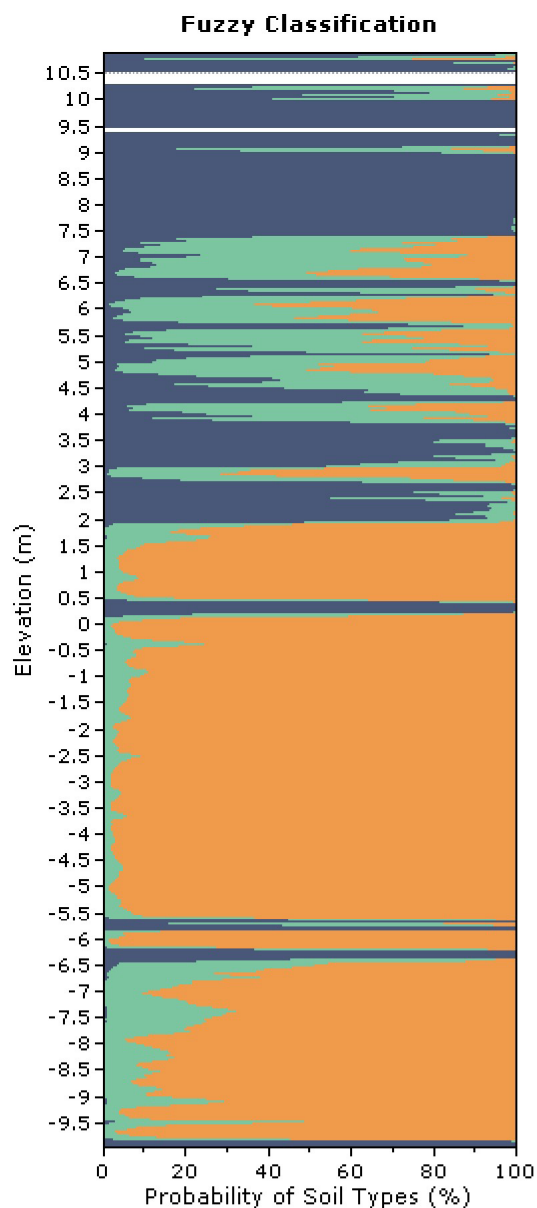
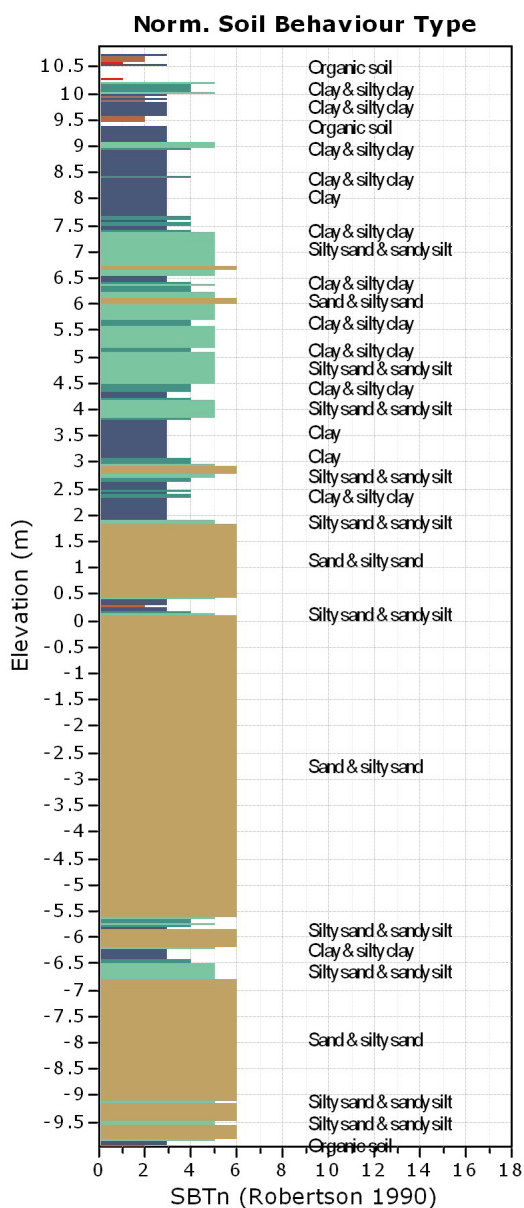
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).

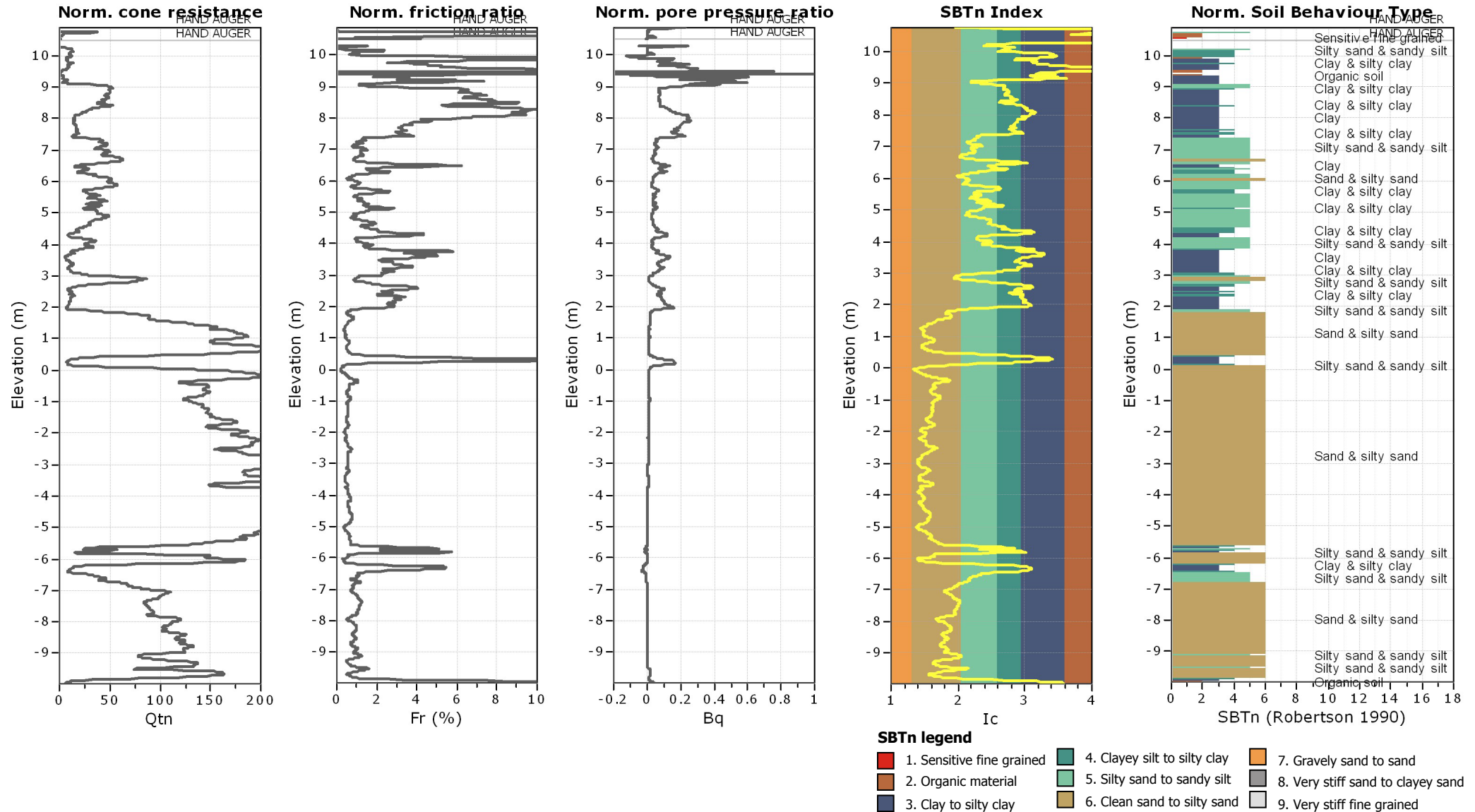
Cross correlation between qc & fs

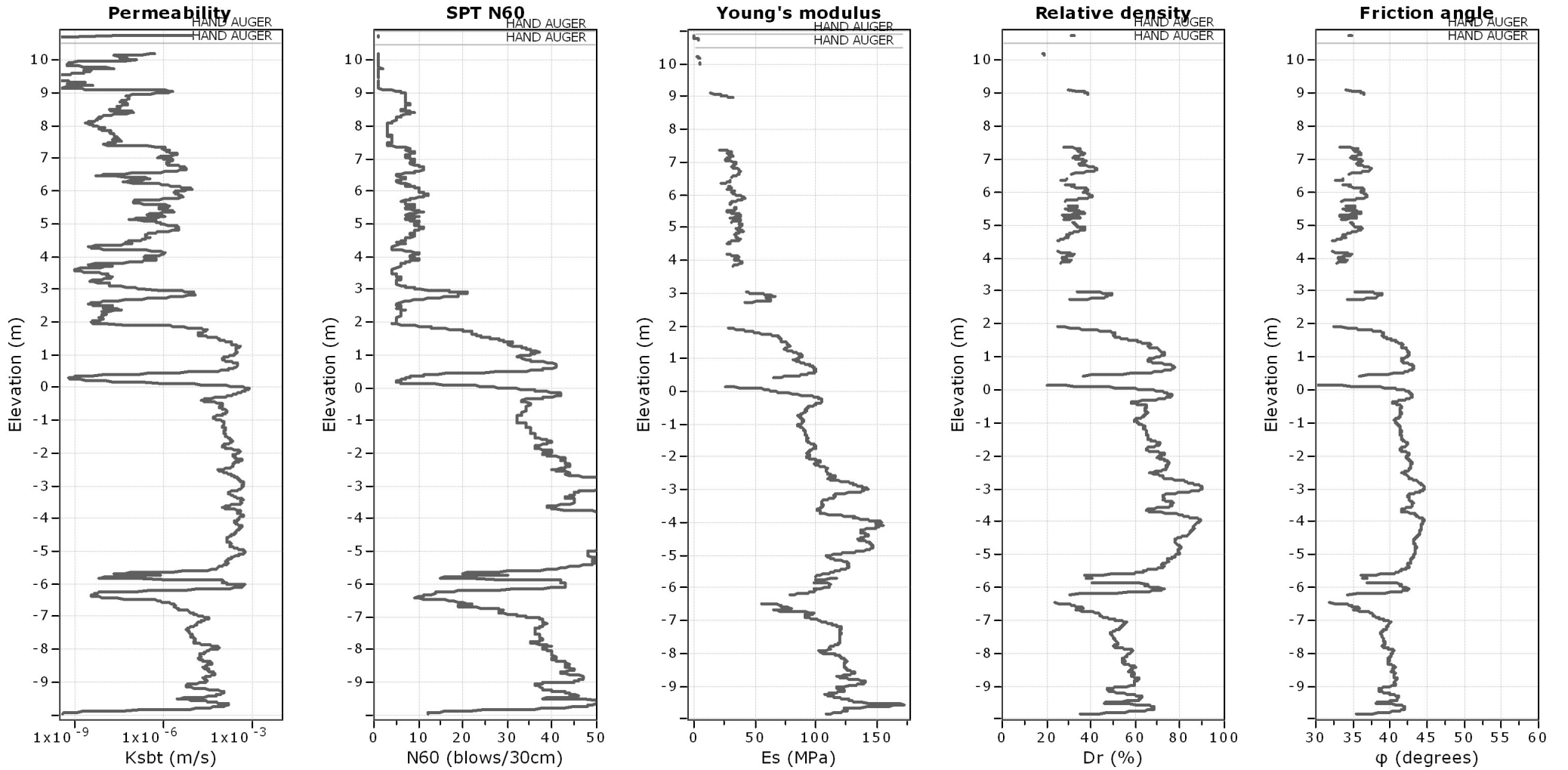


Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '







Calculation parameters

Permeability: Based on SBT_n

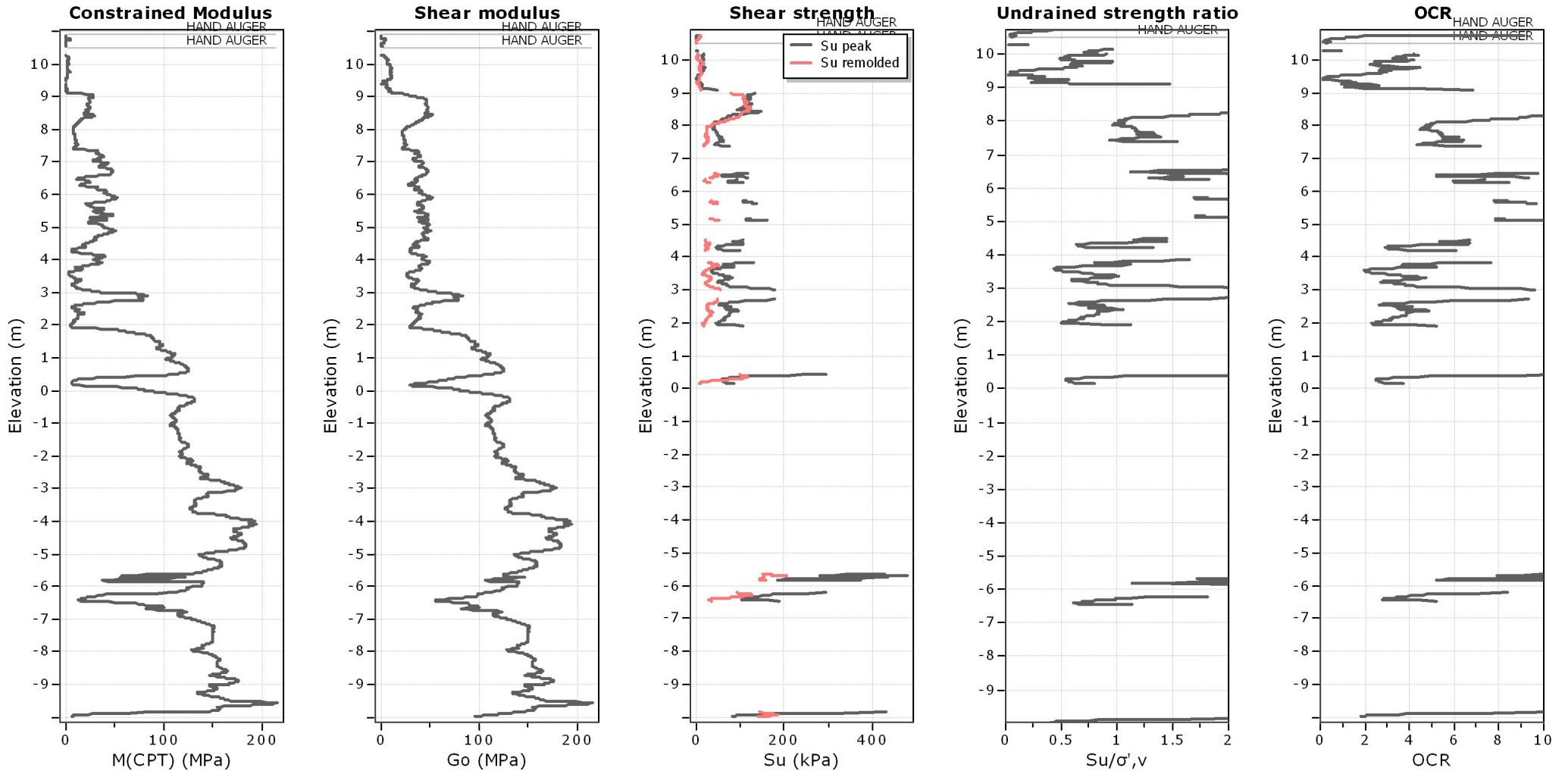
SPT N₆₀: Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

Relative density constant, C_{Dr}: 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

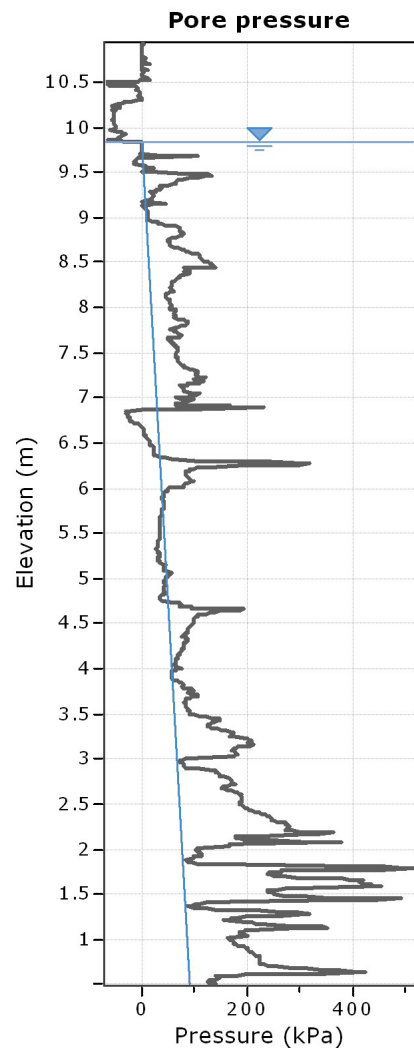
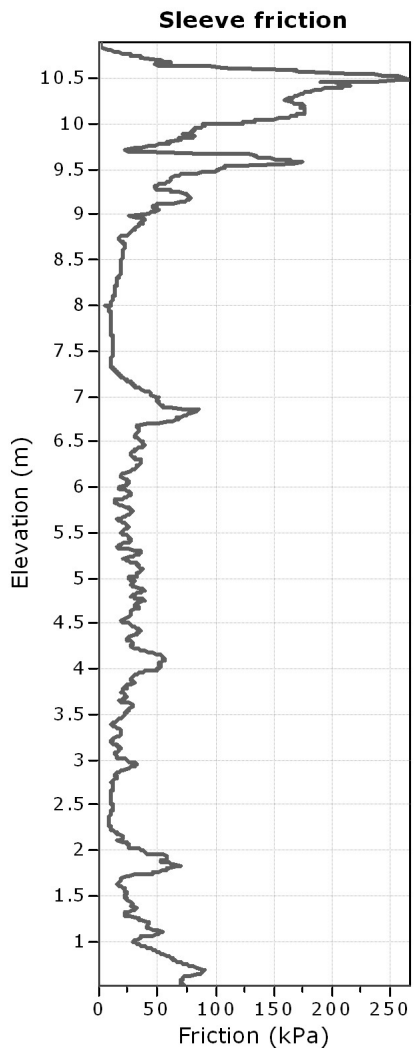
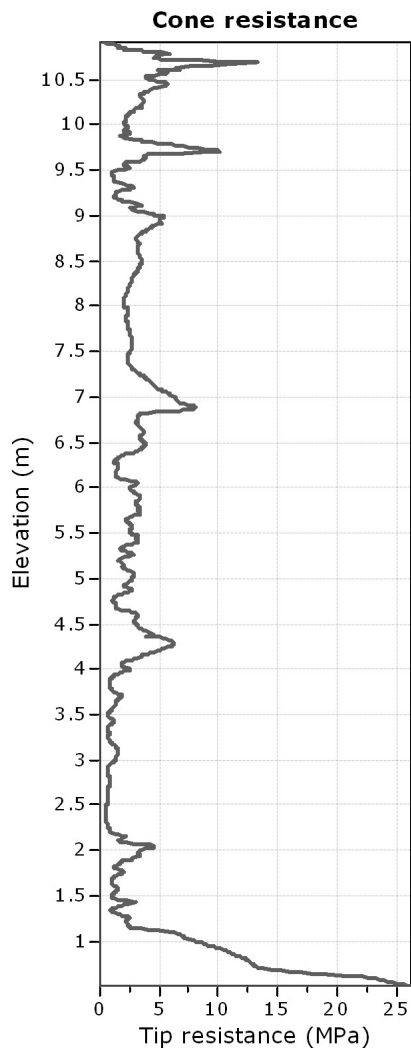
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

● — User defined estimation data

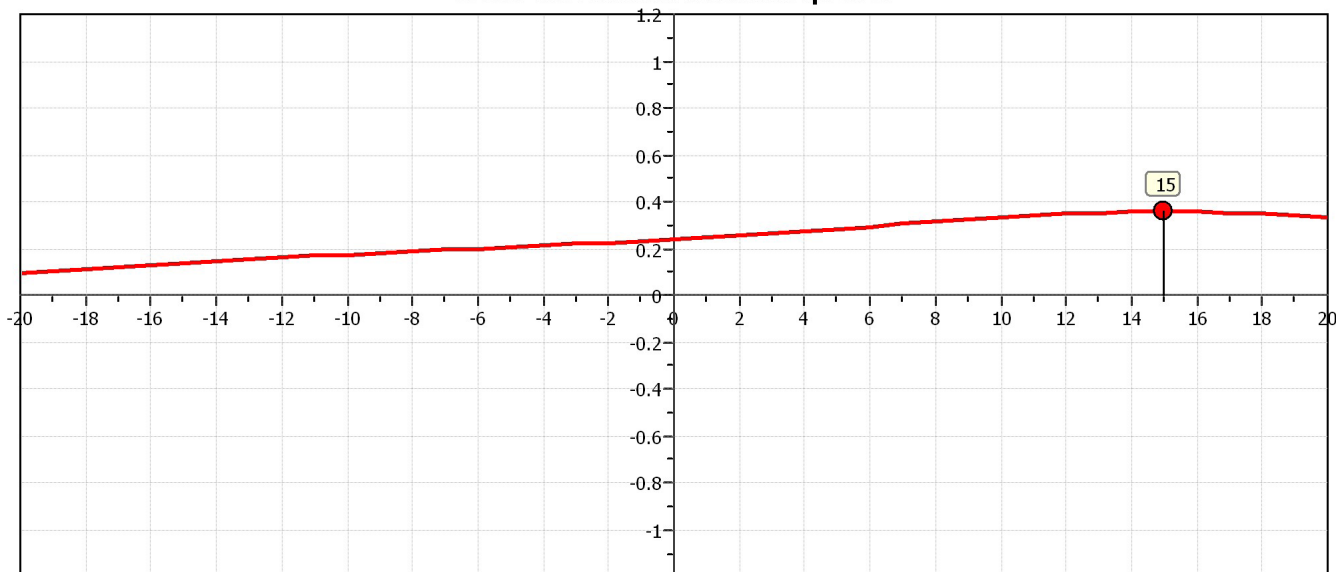
Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



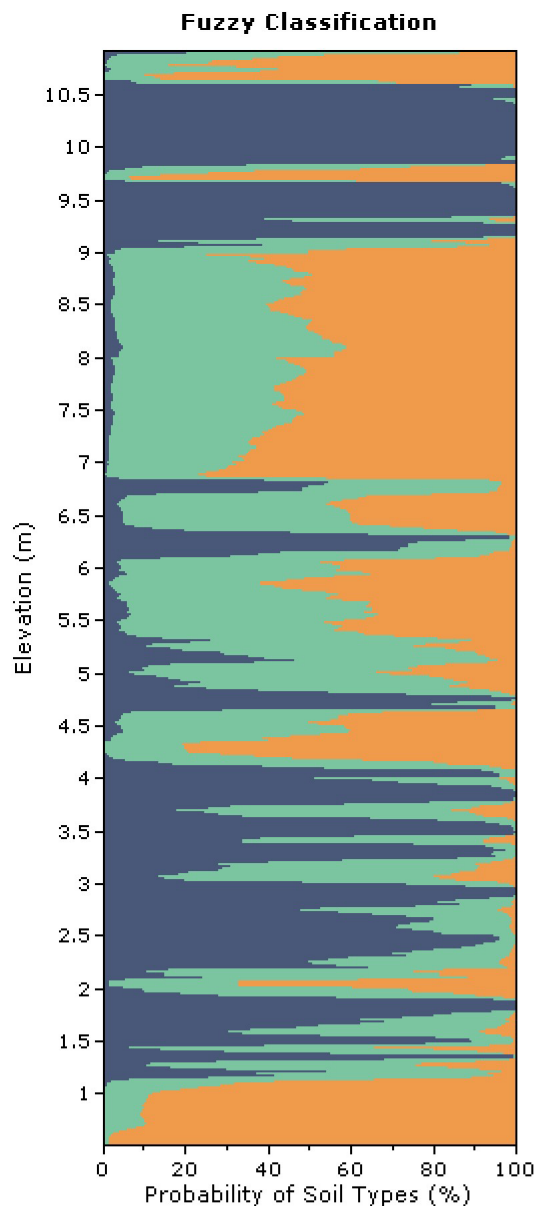
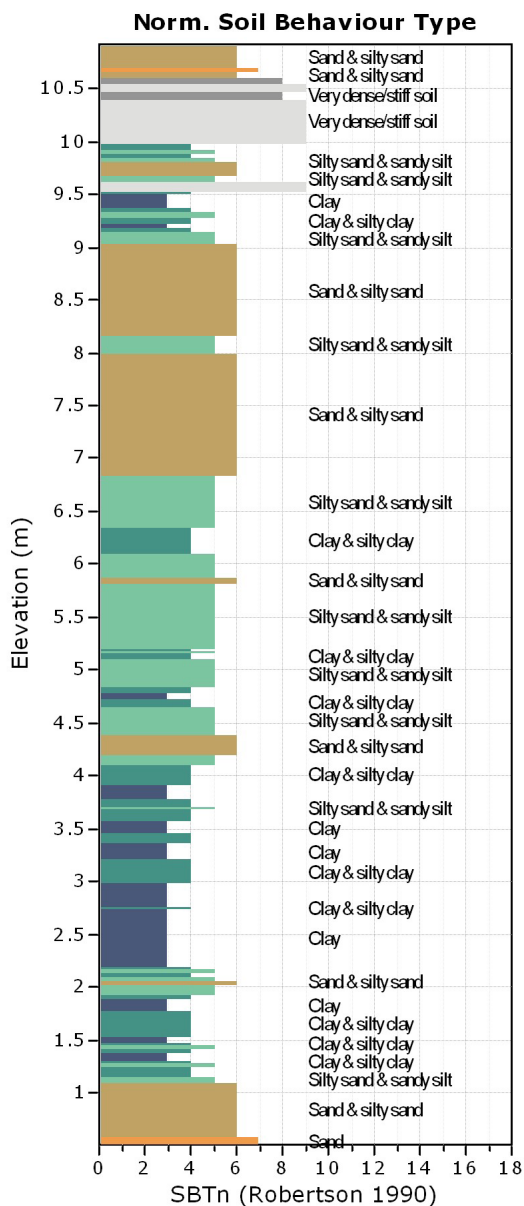
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).

Cross correlation between qc & fs



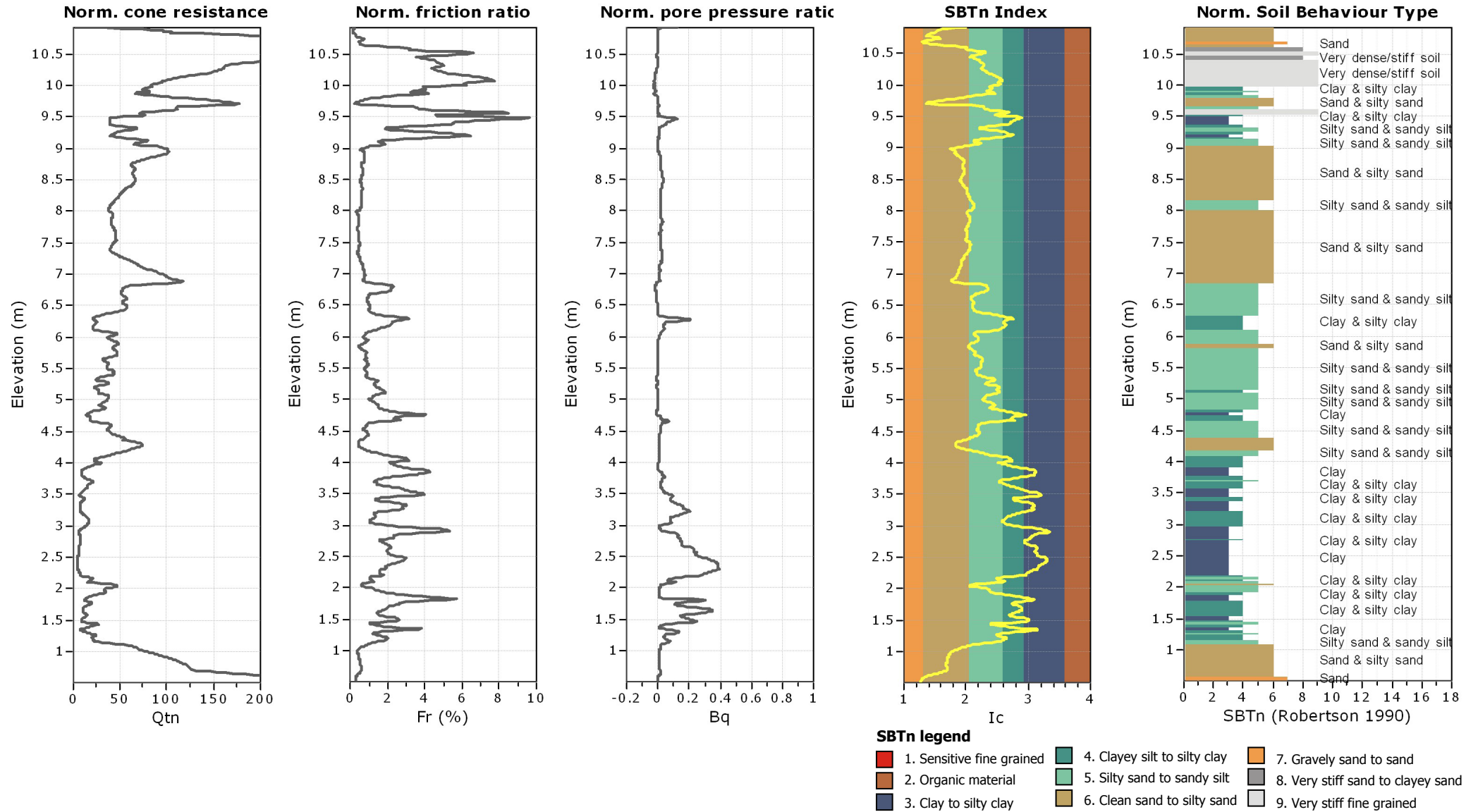
Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



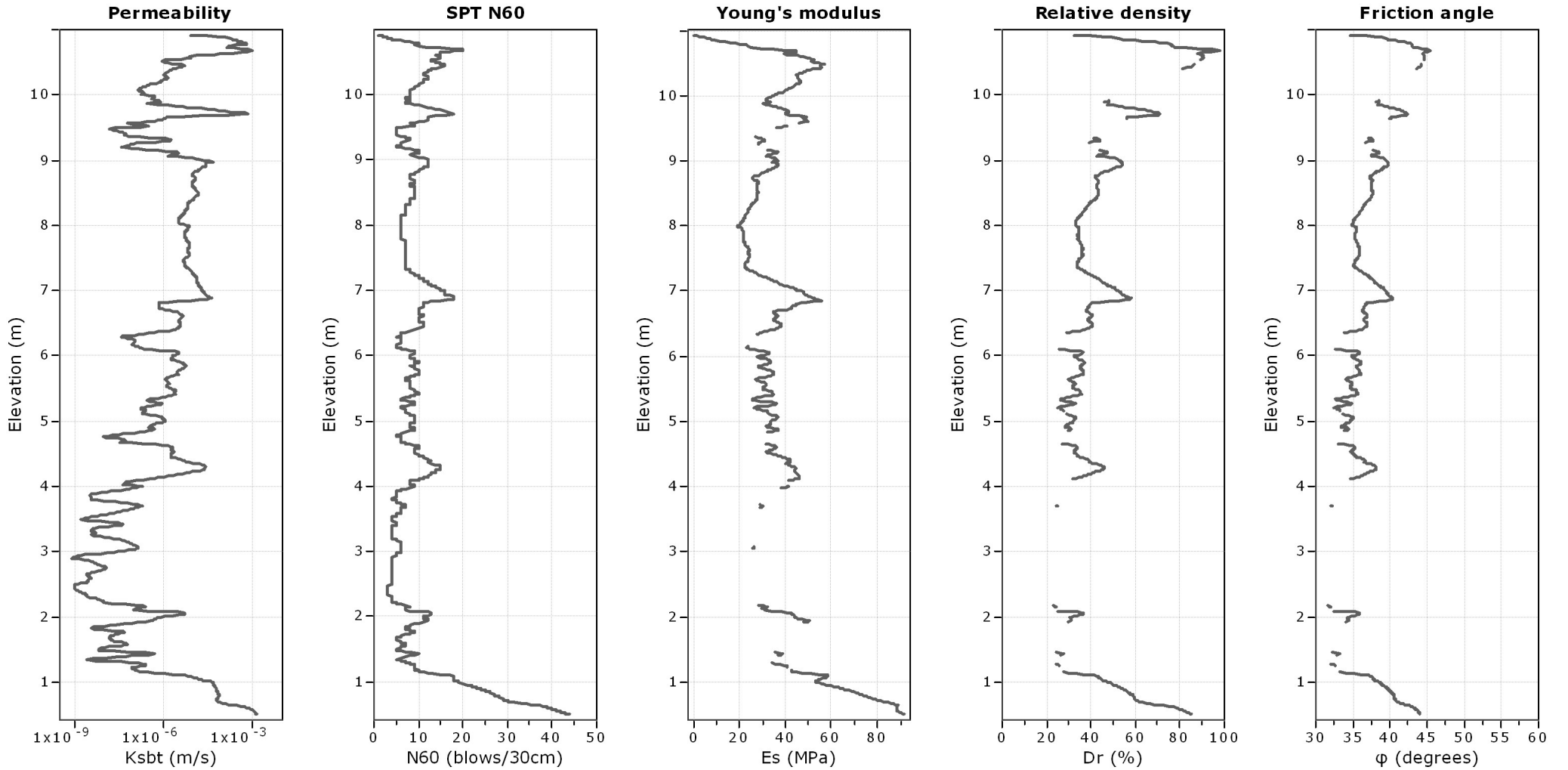
Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Permeability: Based on SBT_n

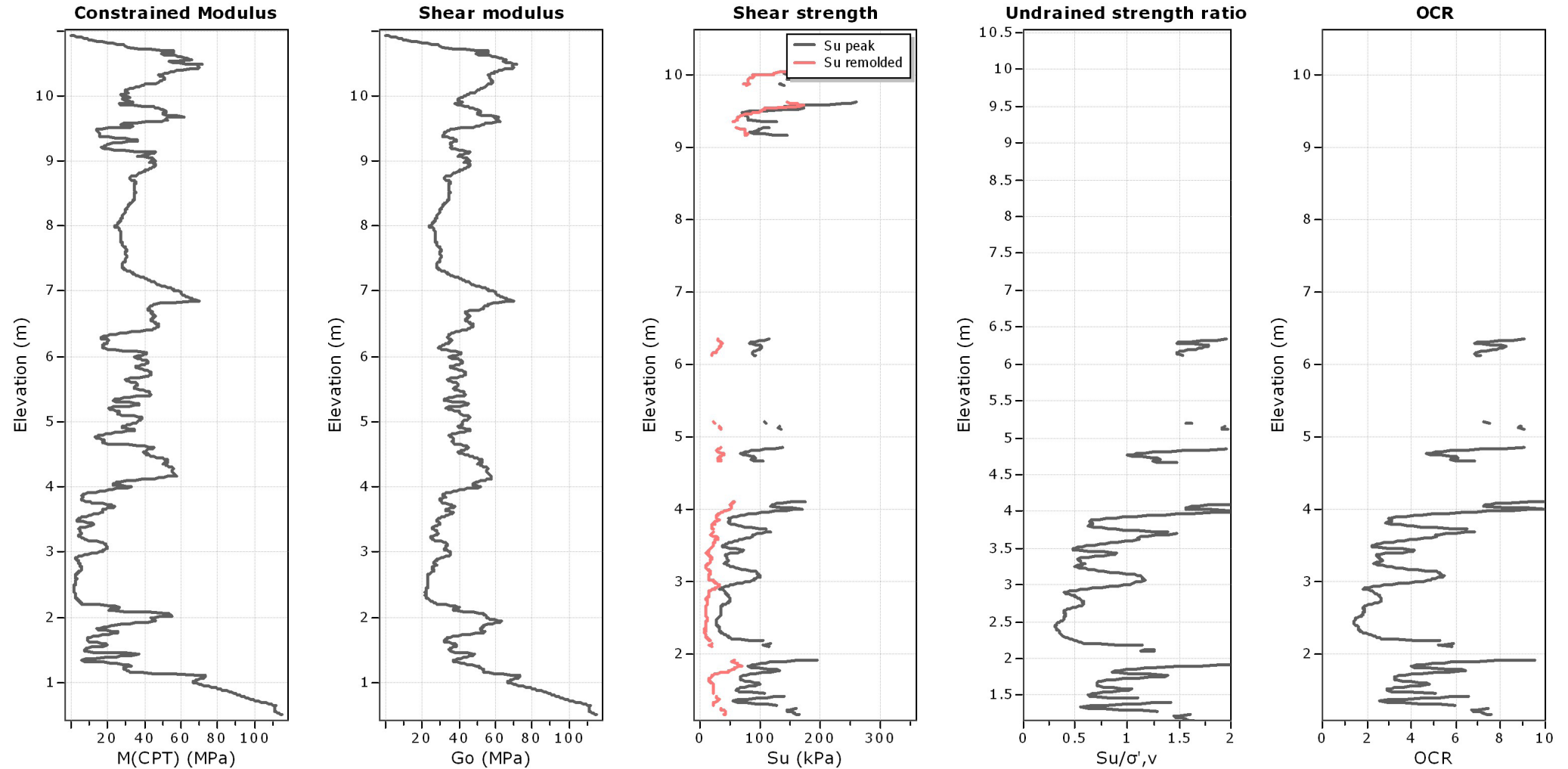
SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

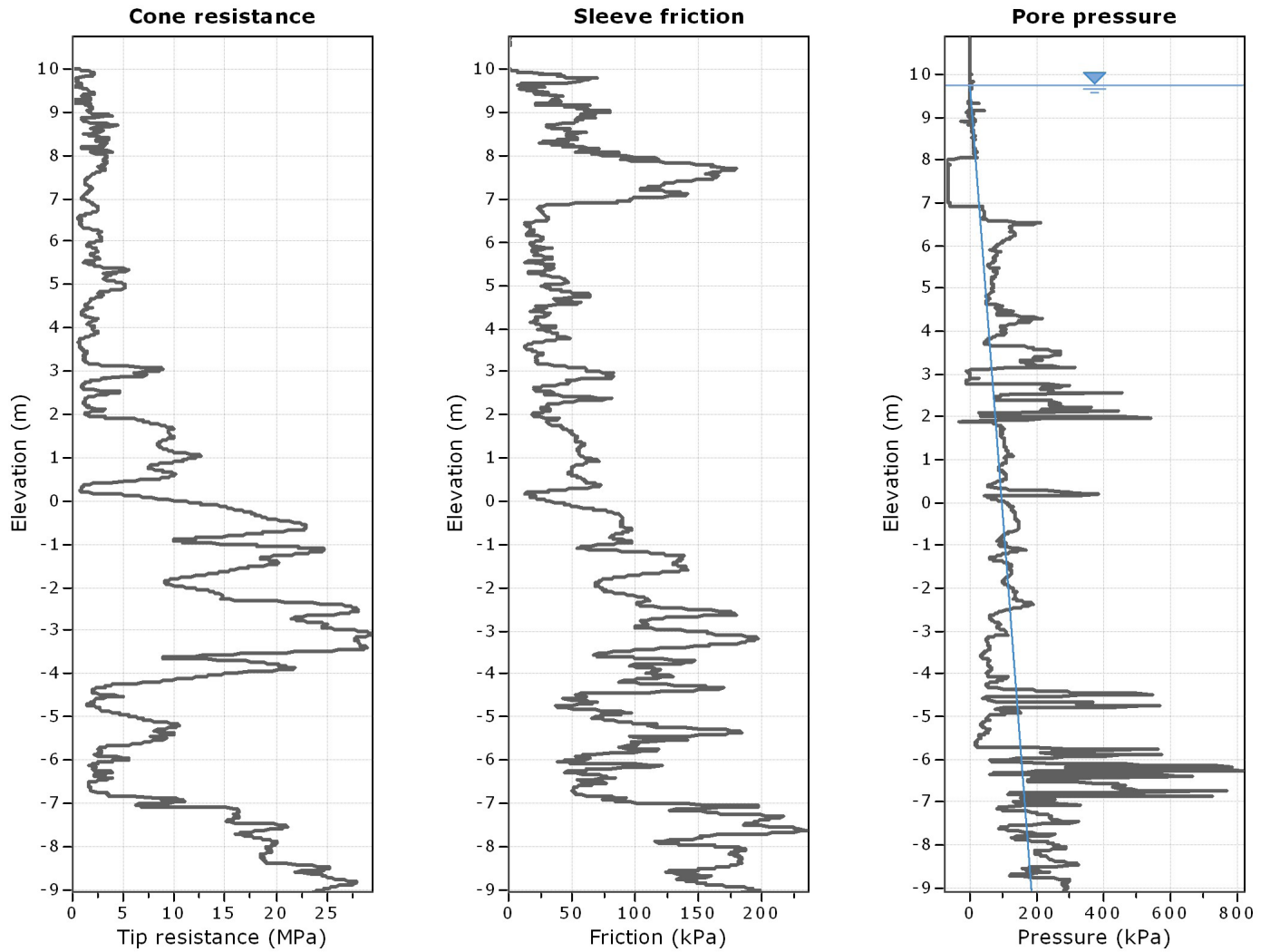
Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

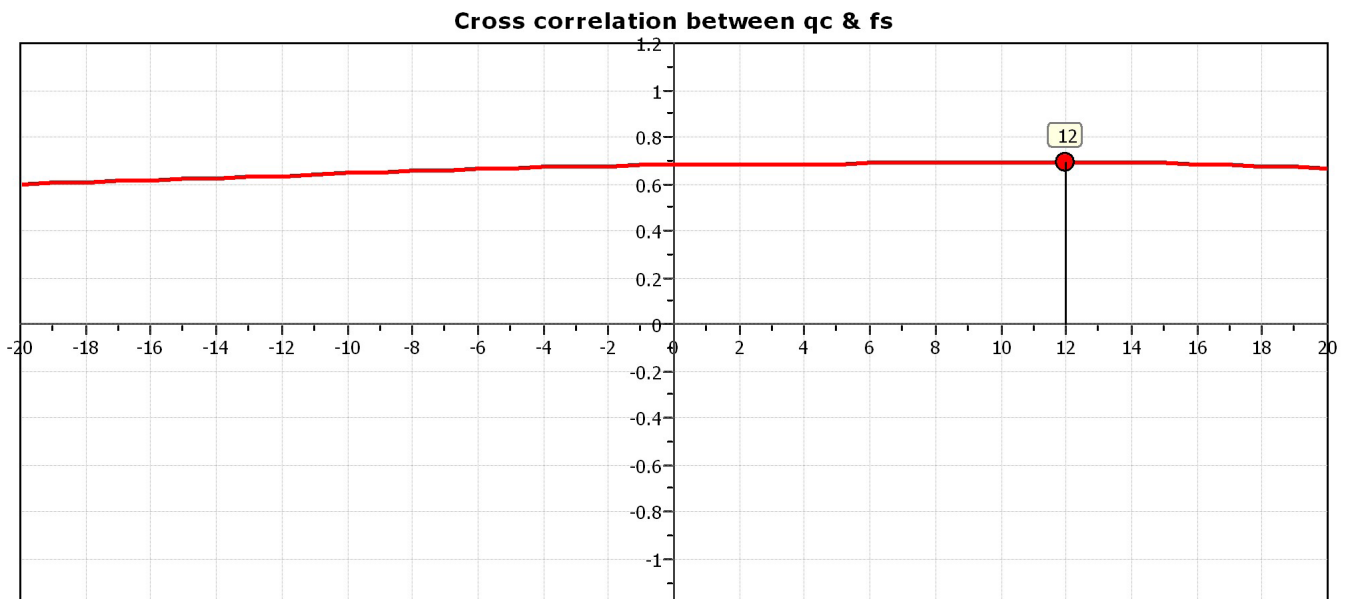
● — User defined estimation data

Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '

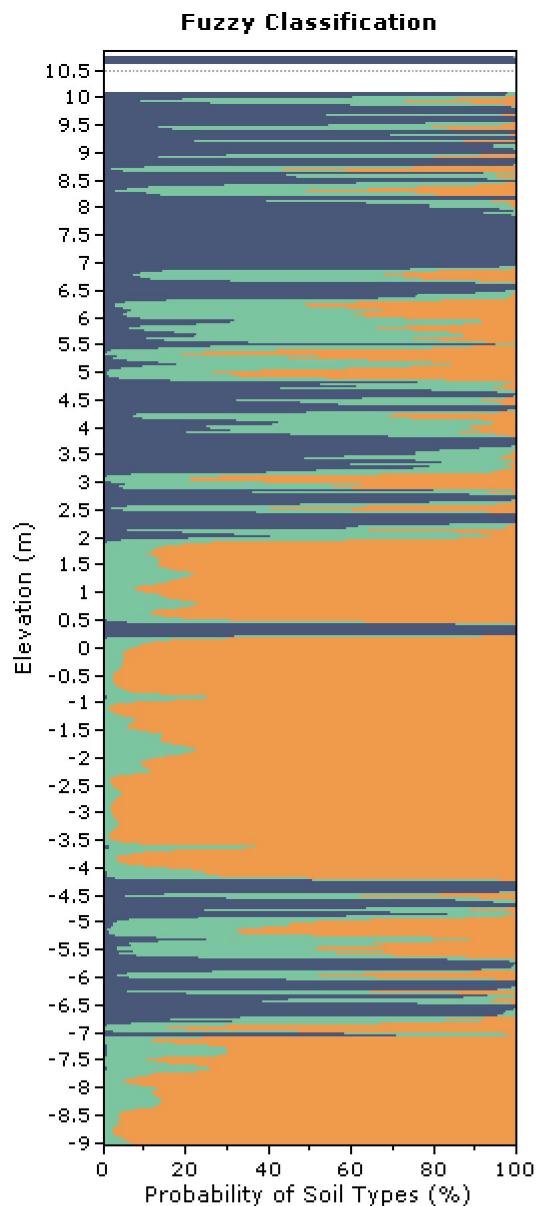
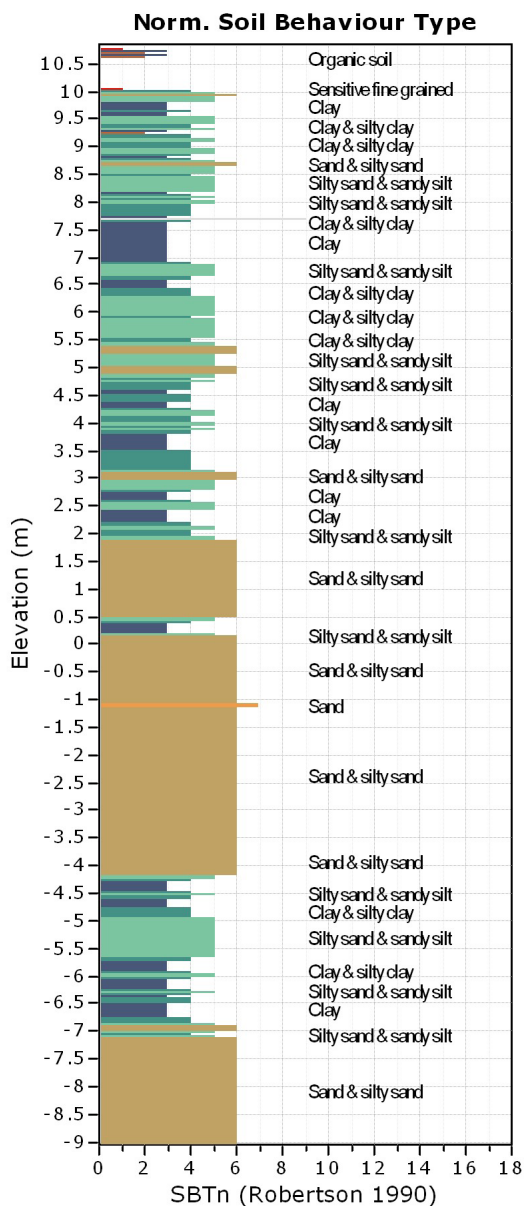


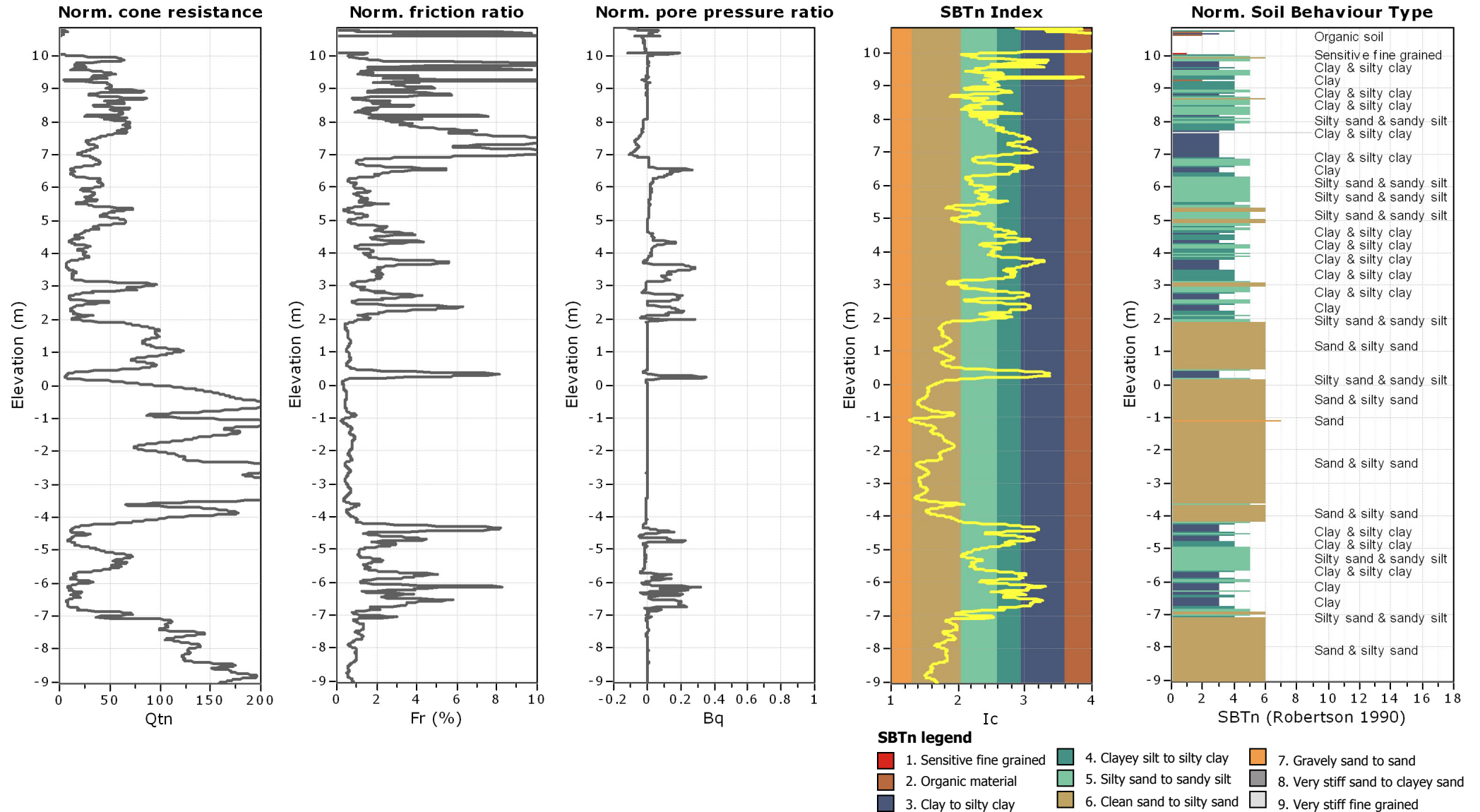
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project: EX DISCARICA SALZANO

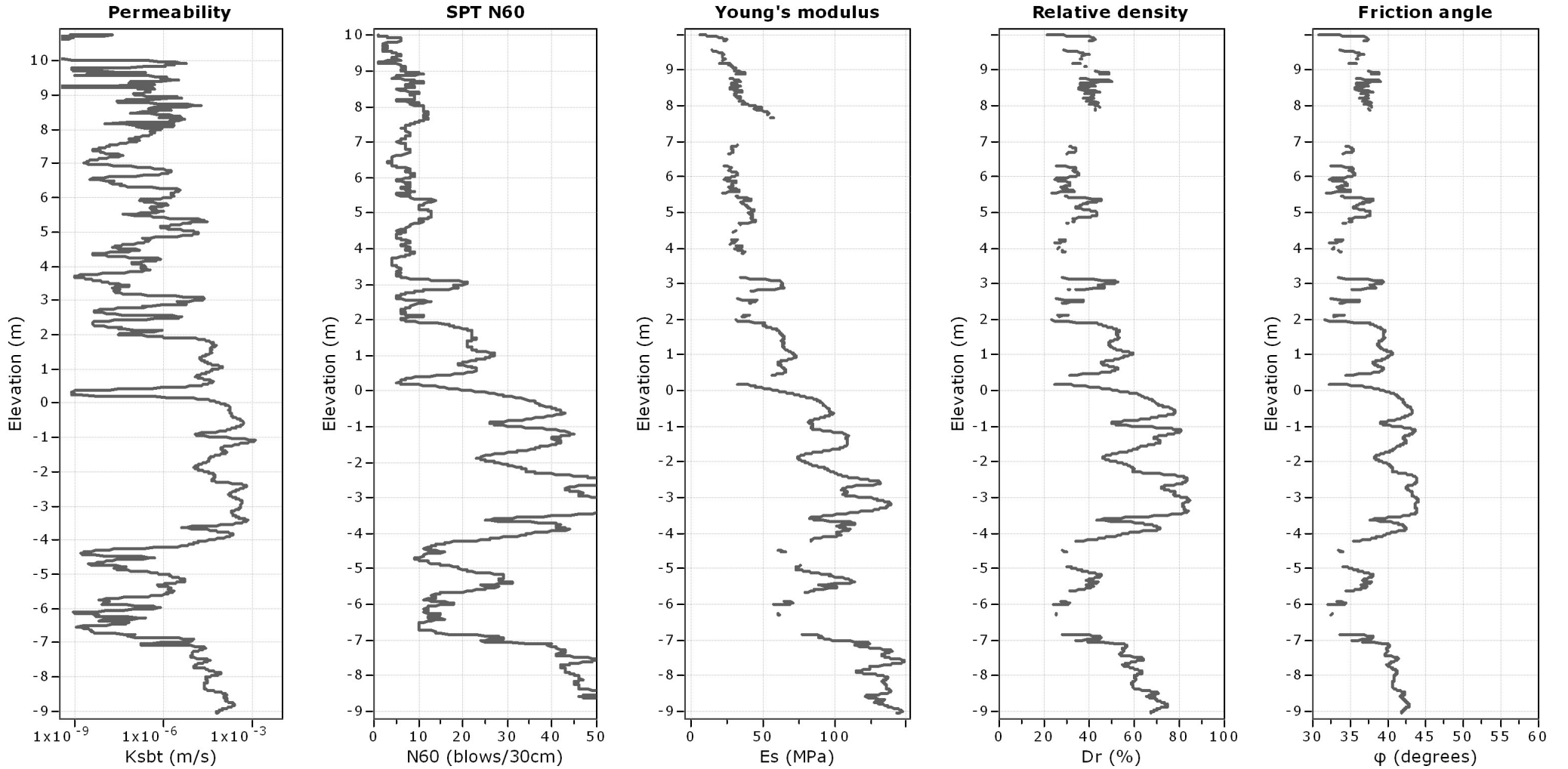
Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '





Project: EX DISCARICA SALZANO

Location: SALZANO (VE) - Via Sant'Elena 45° 32.8603 ' - 12° 08.1135 '



Calculation parameters

Permeability: Based on SBT_n

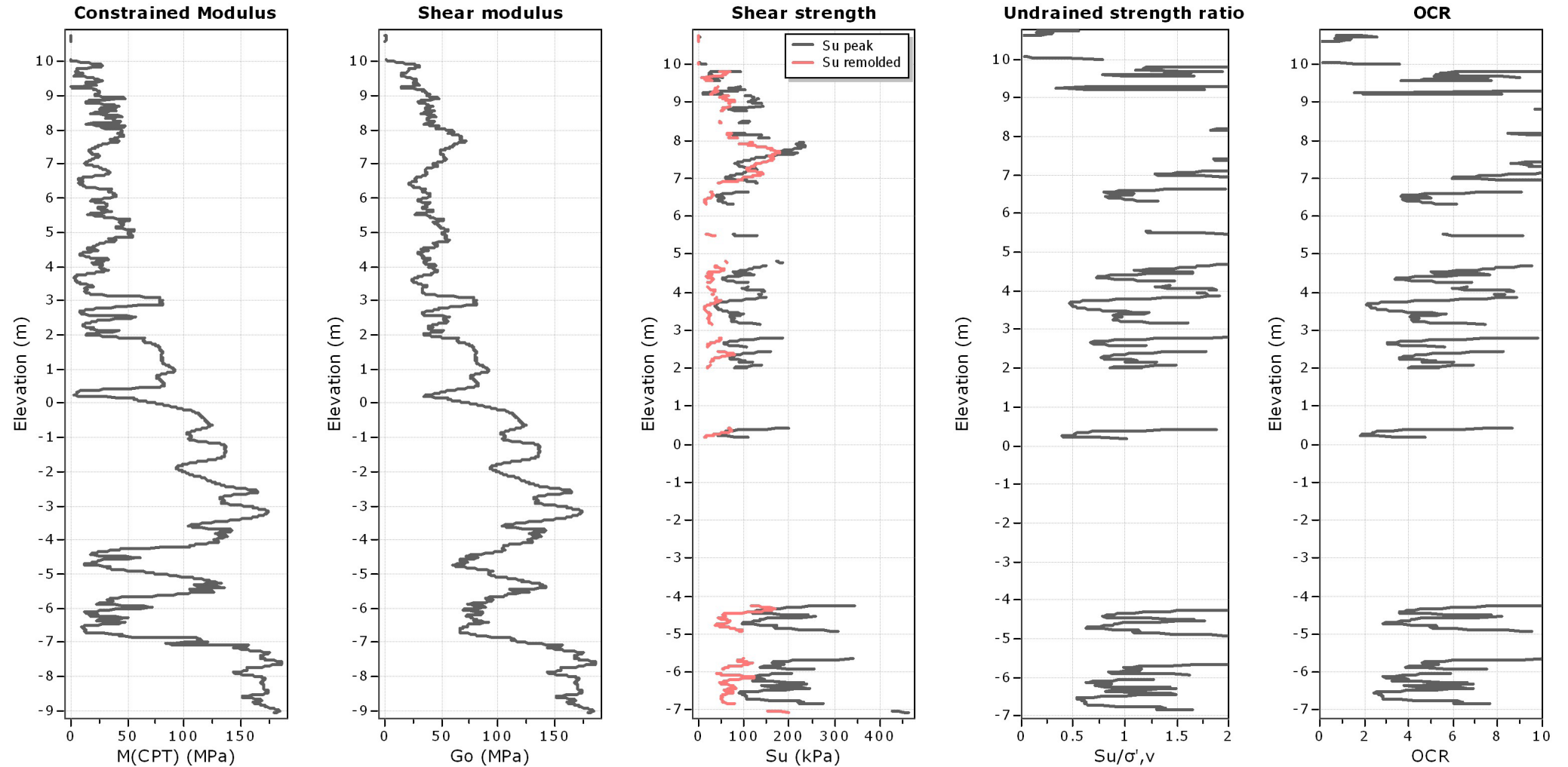
SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhawy & Mayne (1990)

● — User defined estimation data



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_m (Robertson, 2009)

Go: Based on variable *alpha* using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

OCR factor for clays, N_{kt} : 0.33

● User defined estimation data