

Appendix D2

Geotechnical investigations:

RMS Factual Geotechnical Investigation Report

APPENDIX B

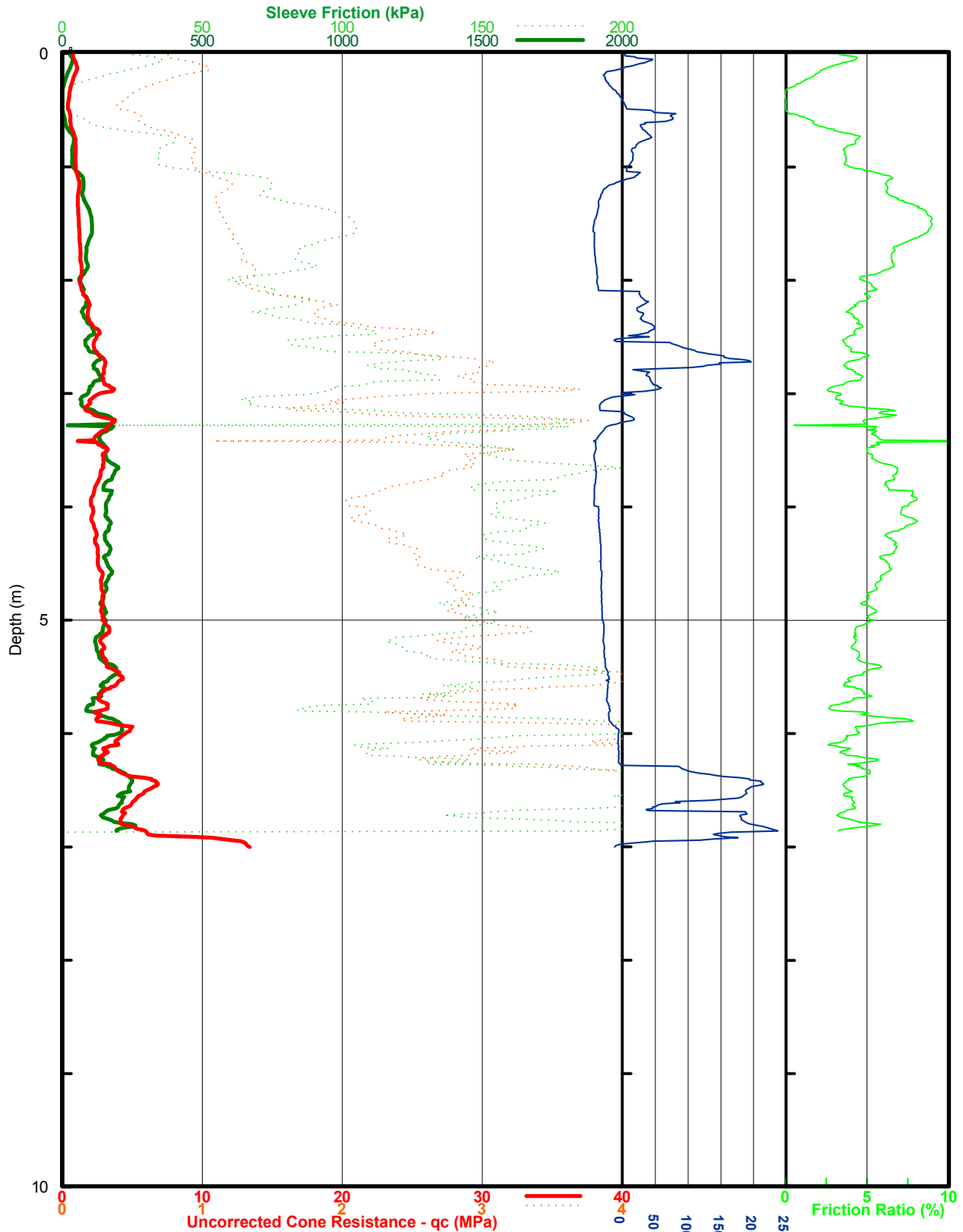
CONE PENETRATION TEST RESULTS

- **Insitu Geotech Services (IGS)**
- **Network Geotechnics**

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT403a



Job Number : G12-03-05
Test Date : 23/03/2012
DGPS Position : 56 H 0289103, 6148339
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : 6.68m
Terminated Due To : Required Depth Reached

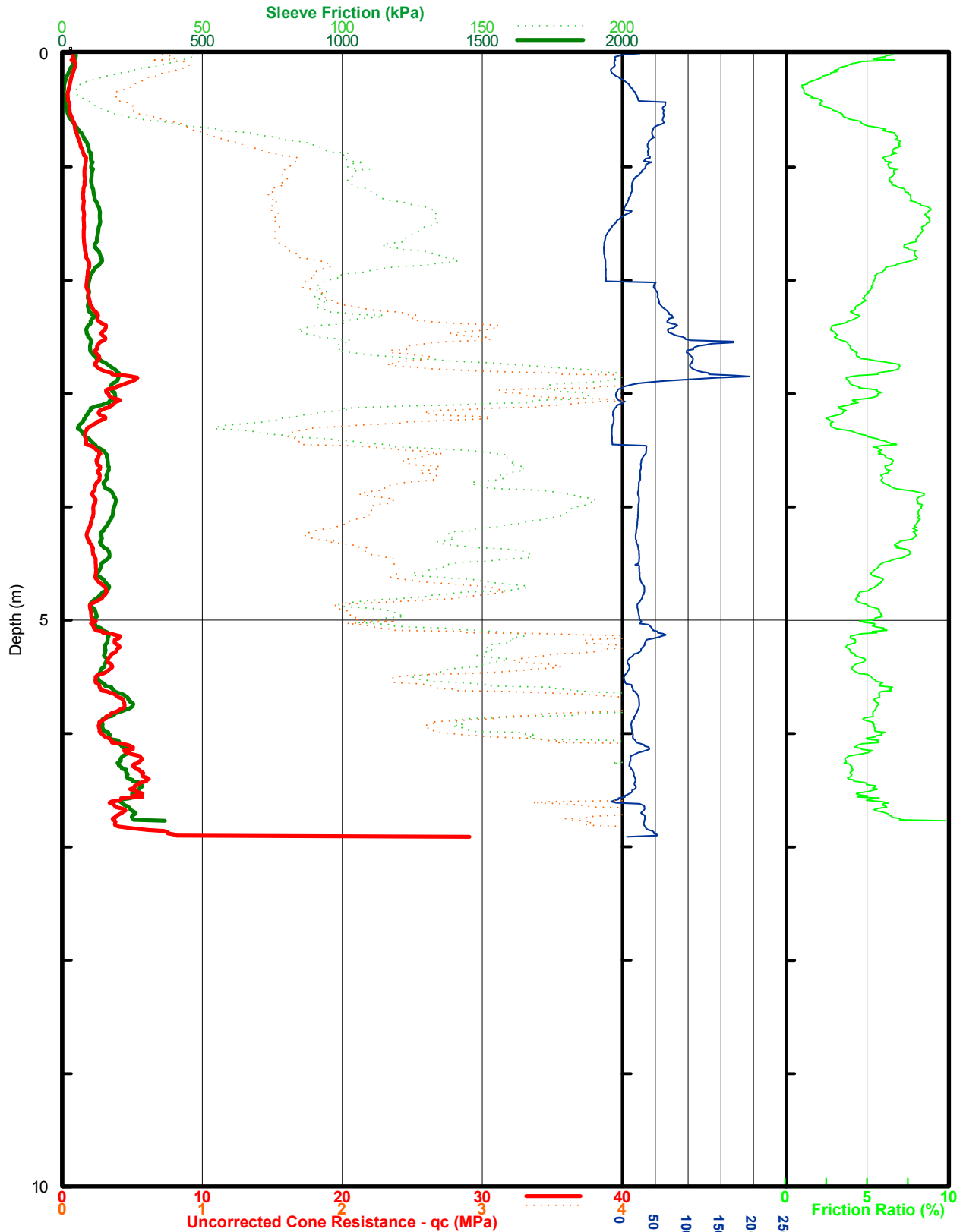
Insitu
Geotech
Services
Pty Ltd



CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT403



Job Number : G12-03-05
Test Date : 23/03/2012
DGPS Position : 56 H 0289102, 6148341
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Equipment at Risk

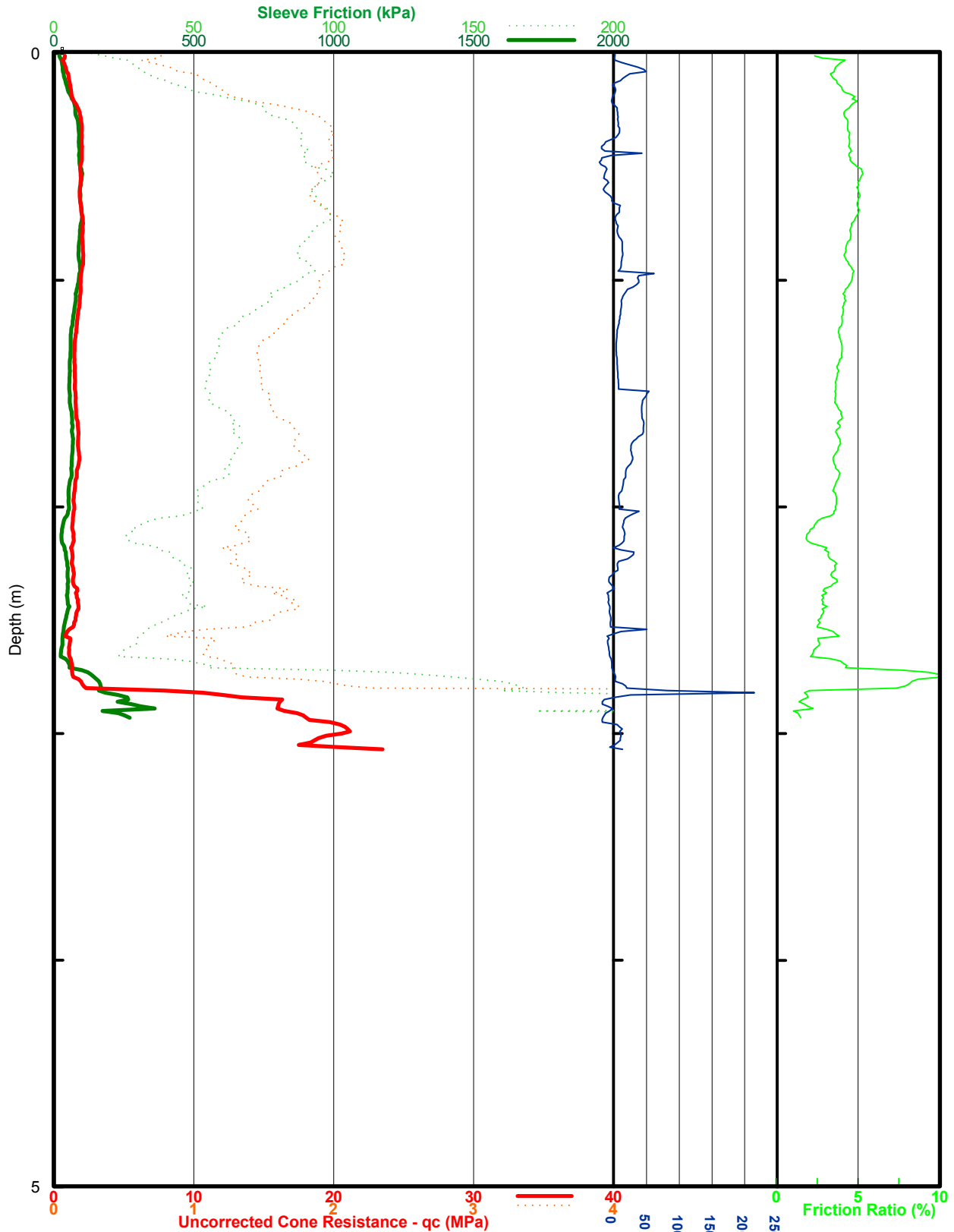
Insitu
Geotech
Services
Pty Ltd



CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT402



Job Number : G12-03-05
Test Date : 24/03/2012
DGPS Position : 56 H 0289985, 6148918
DGPS Format : WGS

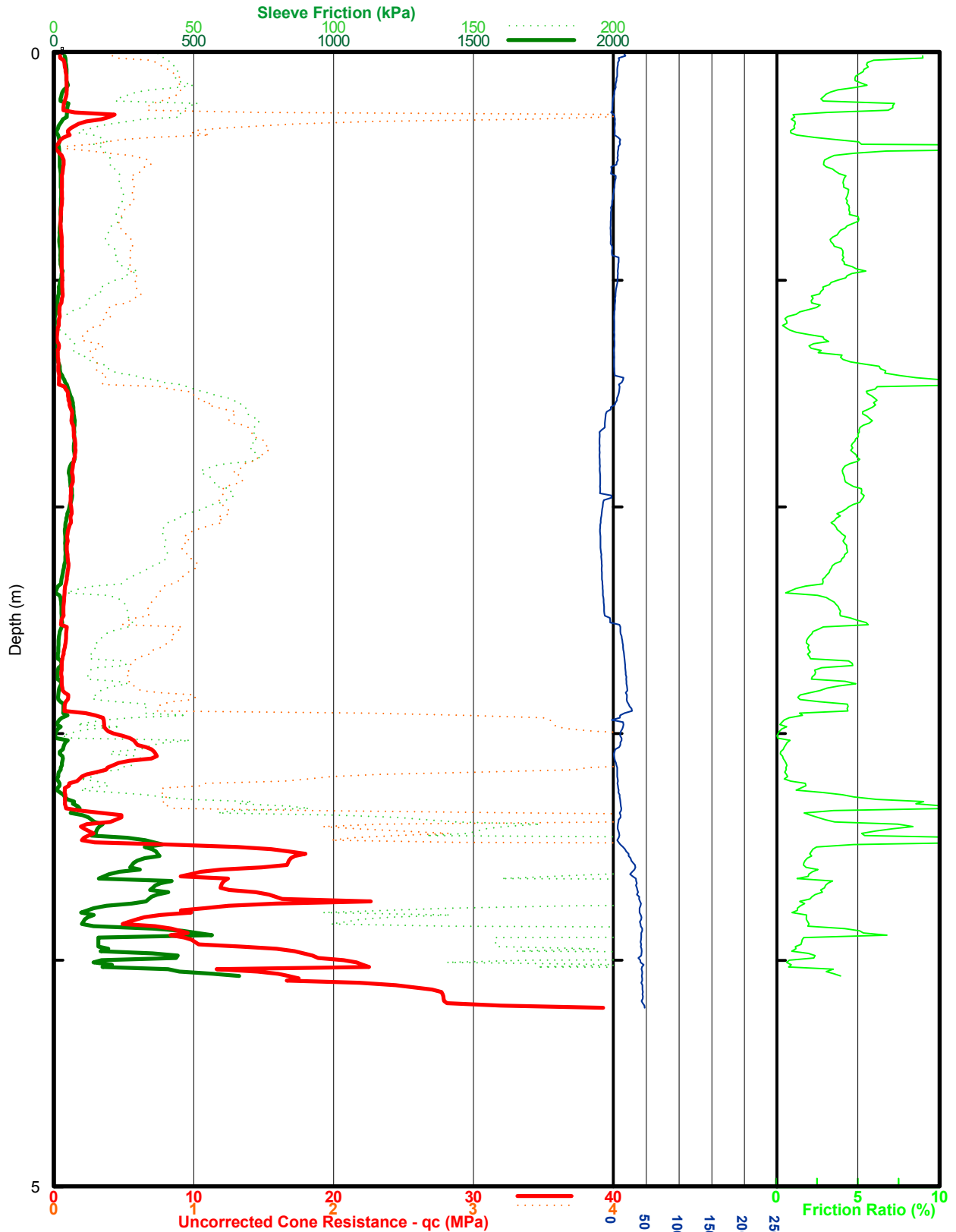
Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Equipment at Risk

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT401



Job Number : G12-03-05
Test Date : 22/03/2012
DGPS Position : 56H 0290139, 6149574
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.G02
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Equipment at Risk

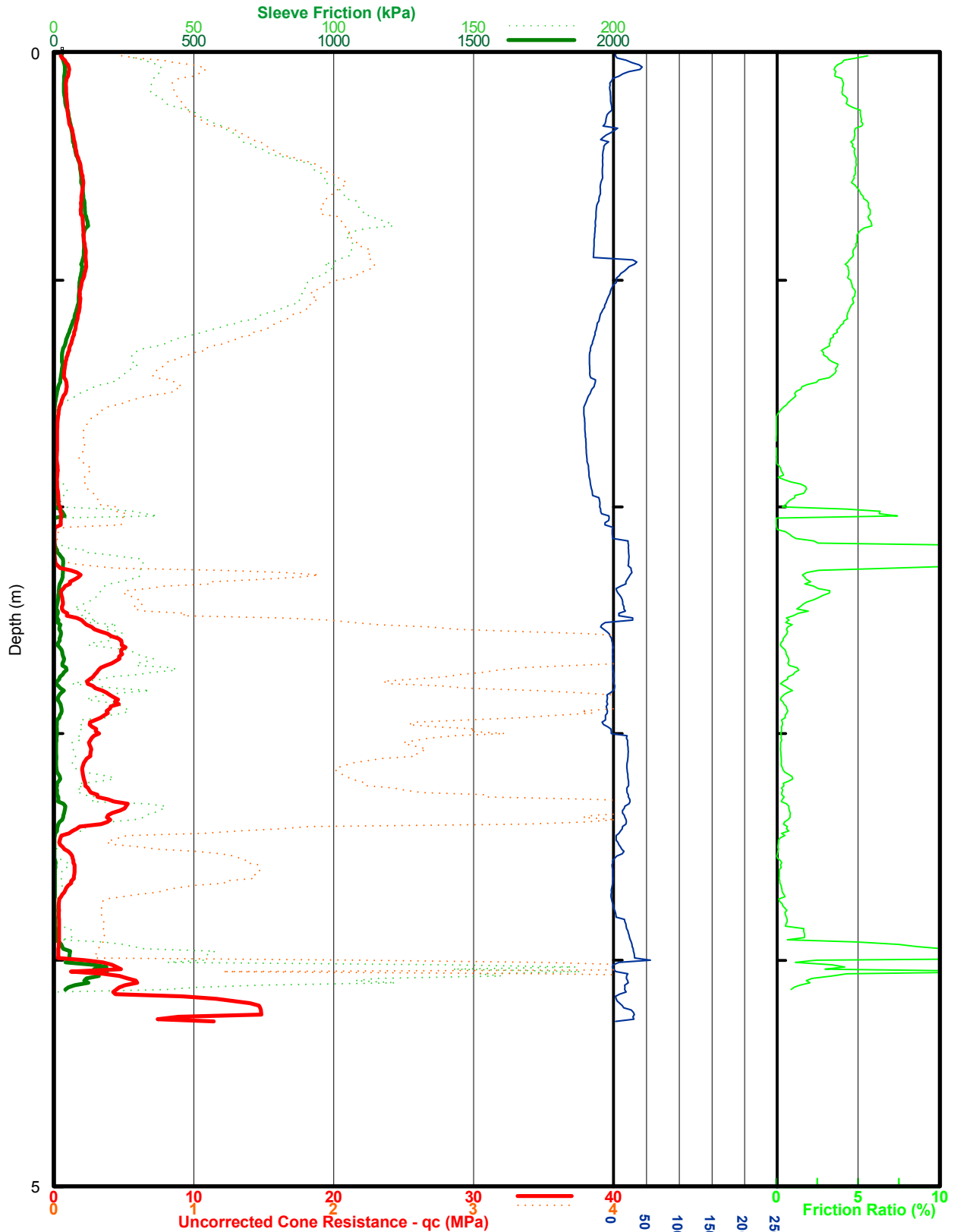
Insitu
Geotech
Services
Pty Ltd

IGS

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT413



Job Number : G12-03-05
Test Date : 23/03/2012
DGPS Position : 56 H 0289742, 6148363
DGPS Format : WGS

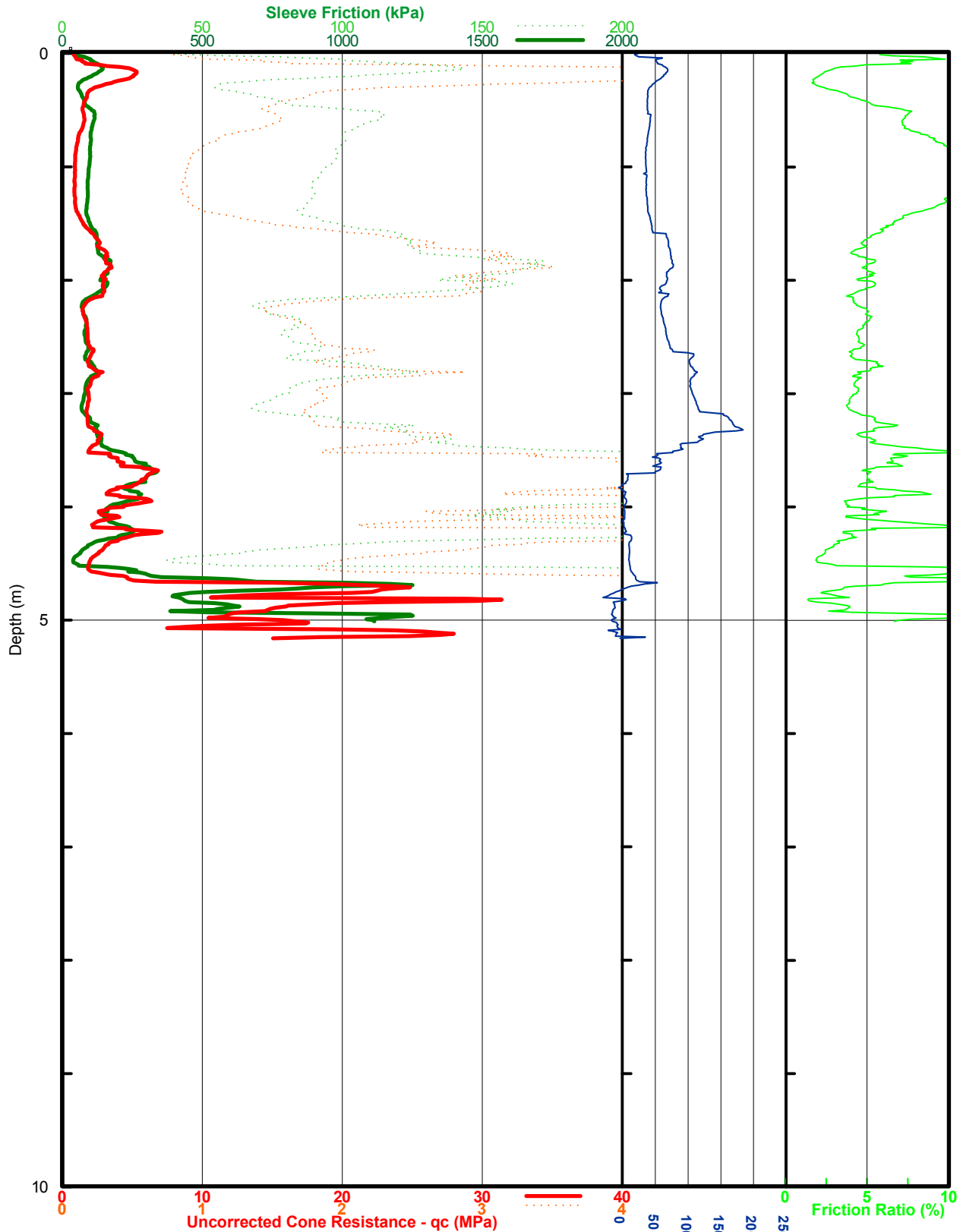
Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Equipment at Risk

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT412



Job Number : G12-03-05
Test Date : 22/03/2012
DGPS Position : 56H 0289349, 6148369
DGPS Format : WGS

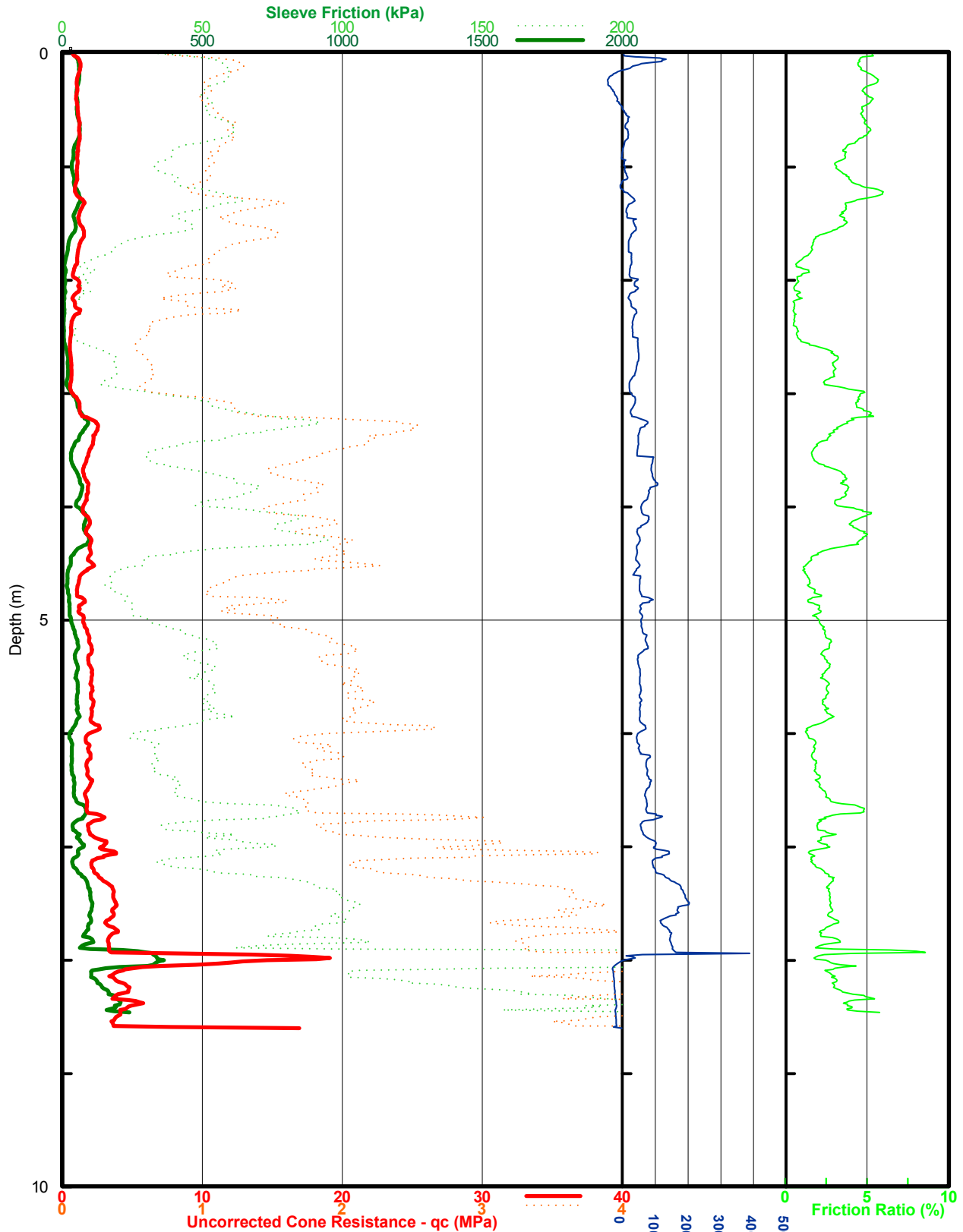
Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.G02
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Equipment at Risk

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT411



Job Number : G12-03-05
Test Date : 25/03/2012
DGPS Position : 56 H 0288016, 6147739
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : N/A
Terminated Due To : Abrupt Tilt

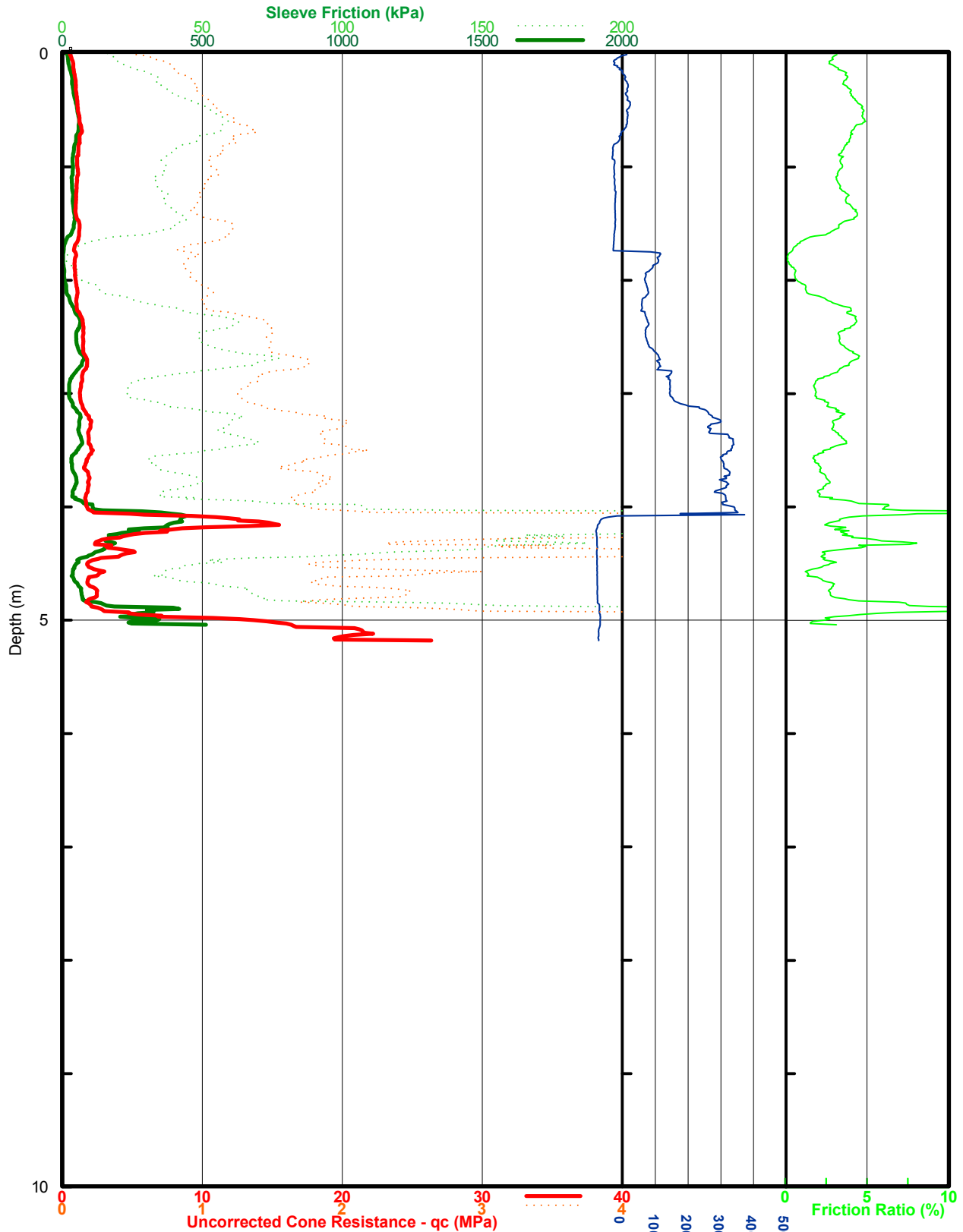
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Geotech
Services
Pty Ltd

IGS

CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT407



Job Number : G12-03-05
Test Date : 24/03/2012
DGPS Position : 56 H 0287883, 6147971
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : 2.84m
Terminated Due To : Equipment at Risk

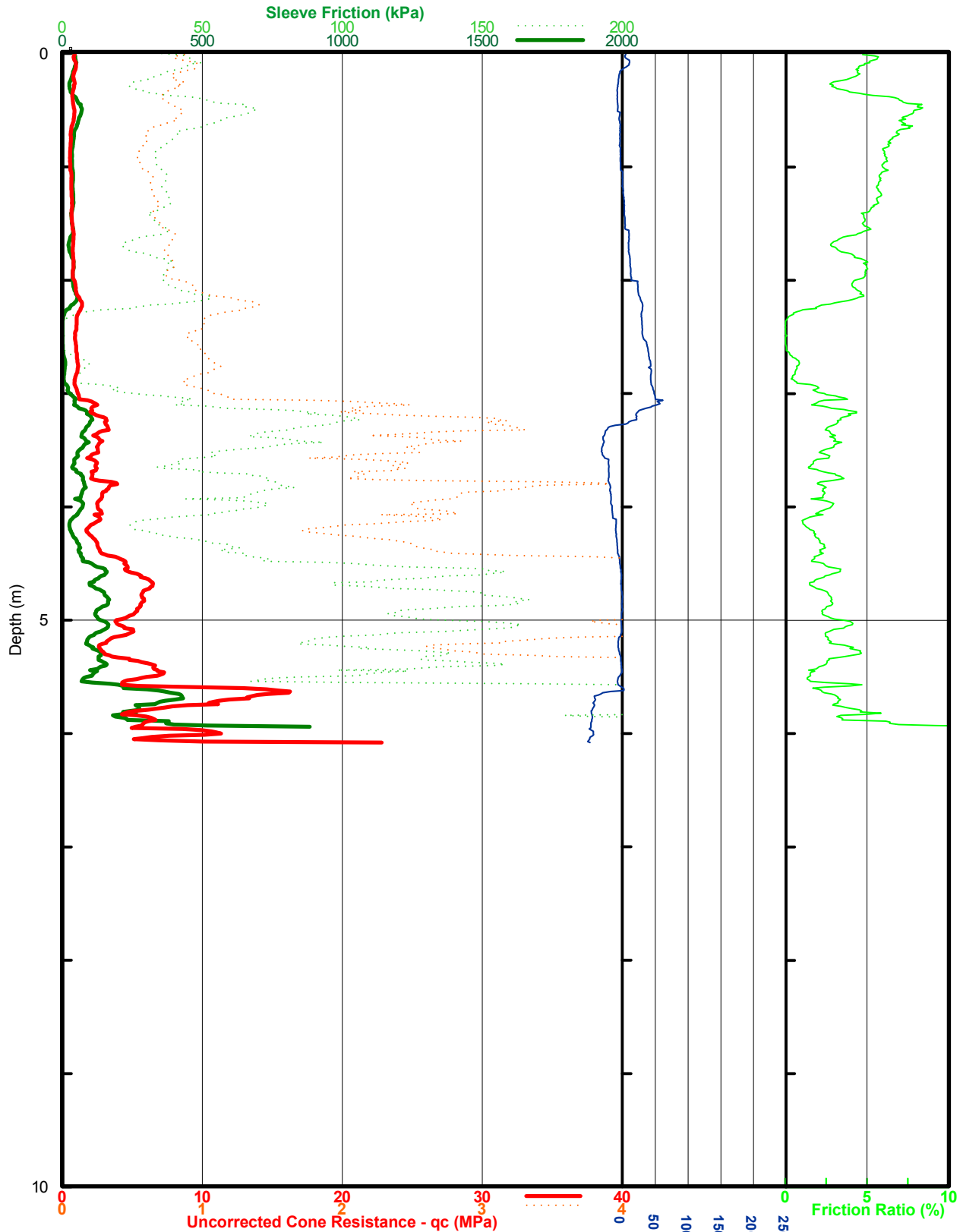
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Geotech
Services
Pty Ltd



CONE PENETROMETER TEST RESULT

RMS
Berry Bypass
Berry, NSW

CPT404



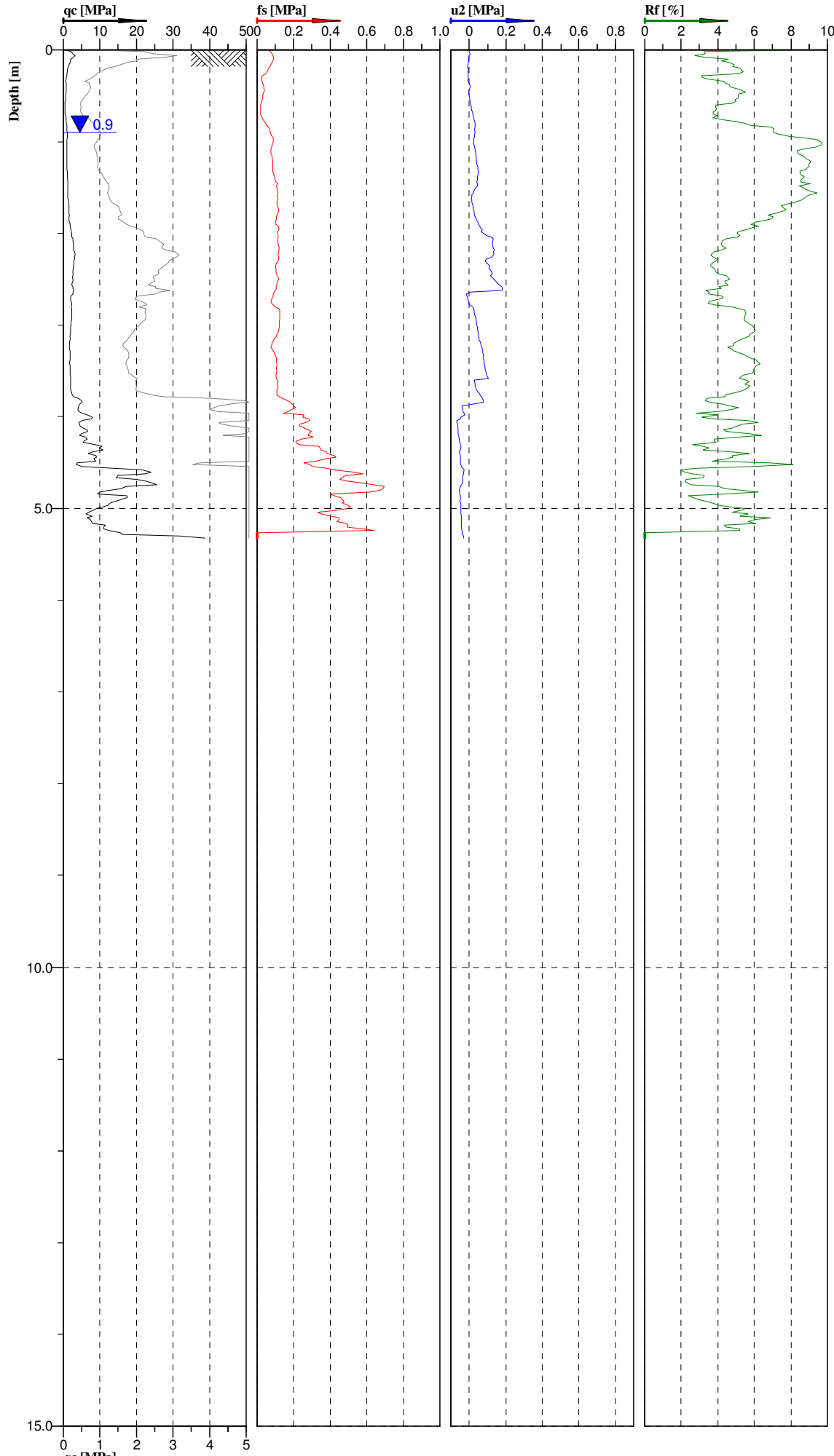
Job Number : G12-03-05
Test Date : 24/03/2012
DGPS Position : 56 H 0288647, 6148216
DGPS Format : WGS

Tested By : Michael O'Rourke
Test Class : IGS-1
Checked By : Gavin Chase

Cone Number : C10CFIP.f63
Predrill Depth : 0.00m
Dissipation Tests @ : 2m
Terminated Due To : Equipment at Risk

Classification by Robertson 1990

- Very stiff sand to clayey sand (8)
- Very stiff fine grained (9)
- Clayey silt to silty clay (4)
- Very stiff fine grained (9)
- Clays; clay to silty clay (3)
- Clayey silt to silty clay (4)
- Clays; clay to silty clay (3)
- Clayey silt to silty clay (4)
- Very stiff fine grained (9)
- Very stiff sand to clayey sand (8)
- Very stiff fine grained (9)



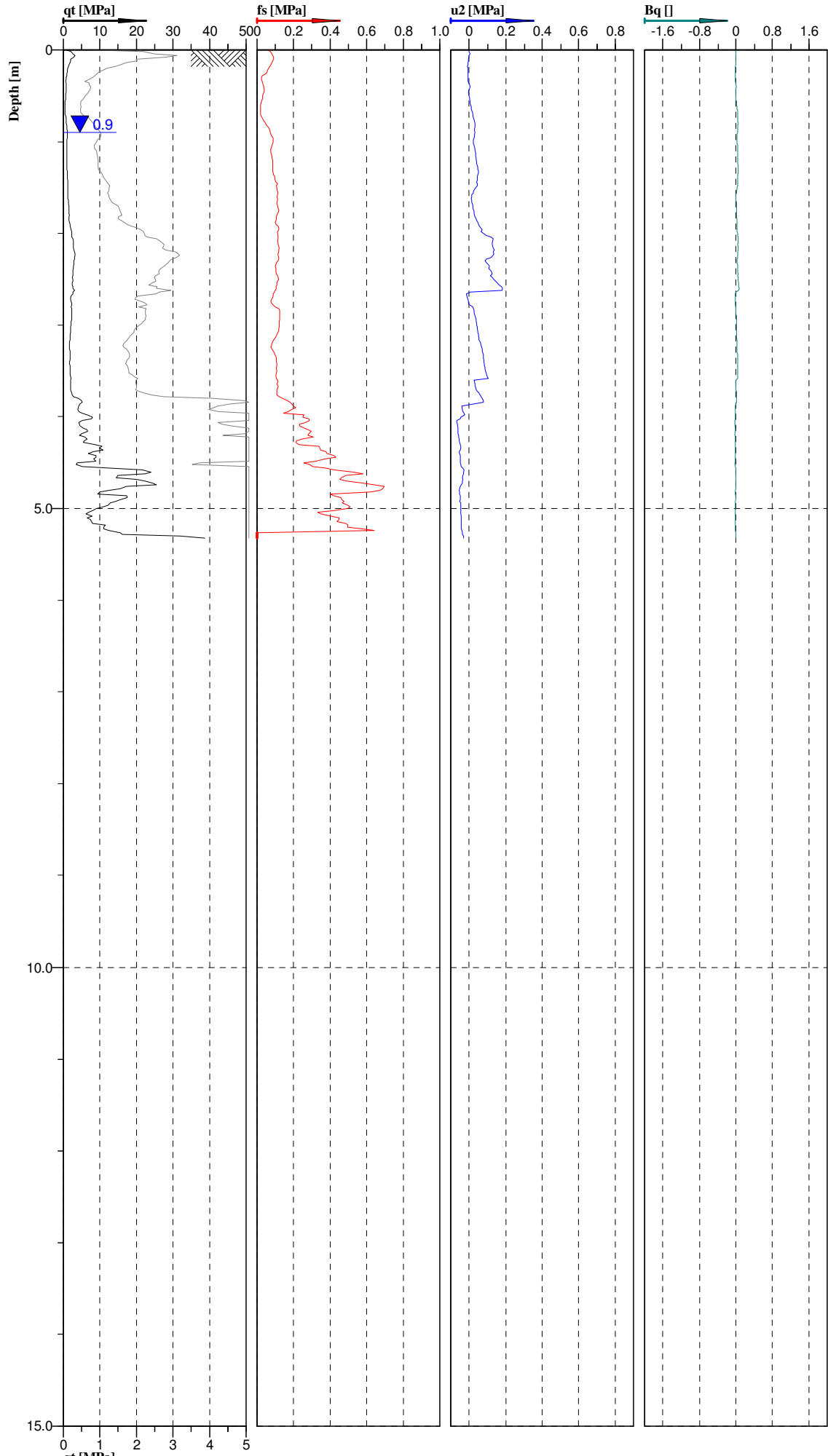
Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location: Berry	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: CPT405
Project ID: W07/1768	Client: RMS	Date: 29/3/2012	Scale: 1 : 60
Project: Berry Bypass		Page: 1/2	Fig:
File: CPT405.CPT			

Classification by Robertson 1990

- Very stiff sand to clayey sand (8)
- Very stiff fine grained (9)
- Clayey silt to silty clay (4)
- Very stiff fine grained (9)
- Clays; clay to silty clay (3)
- Clayey silt to silty clay (4)
- Clays; clay to silty clay (3)
- Clayey silt to silty clay (4)
- Very stiff fine grained (9)
- Very stiff sand to clayey sand (8)
- Very stiff fine grained (9)

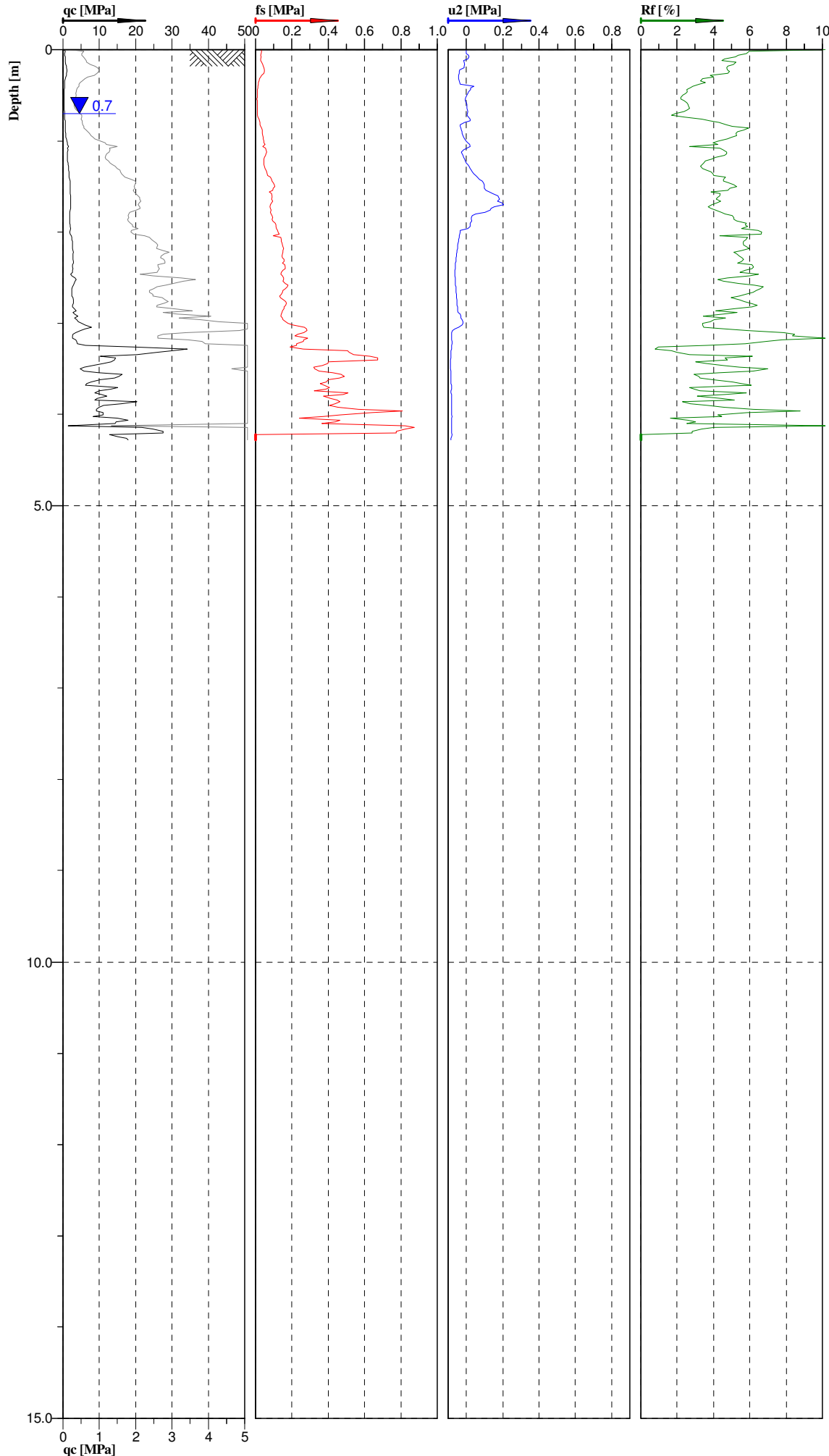
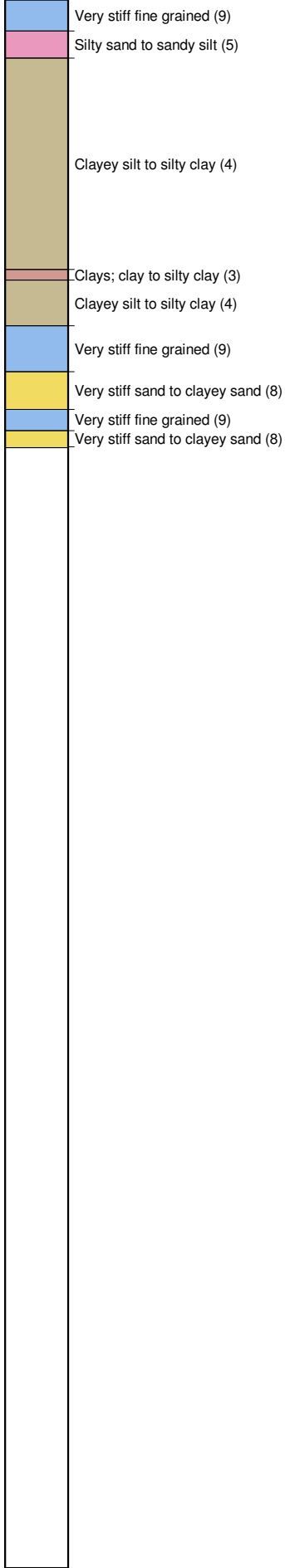


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT405
Project ID:	W07/1768	Client:	RMS	Date:	29/3/2012	Scale:	1 : 60
Project:	Berry Bypass		Page:	2/2		Fig:	
File:						CPT405.CPT	

Classification by Robertson 1990



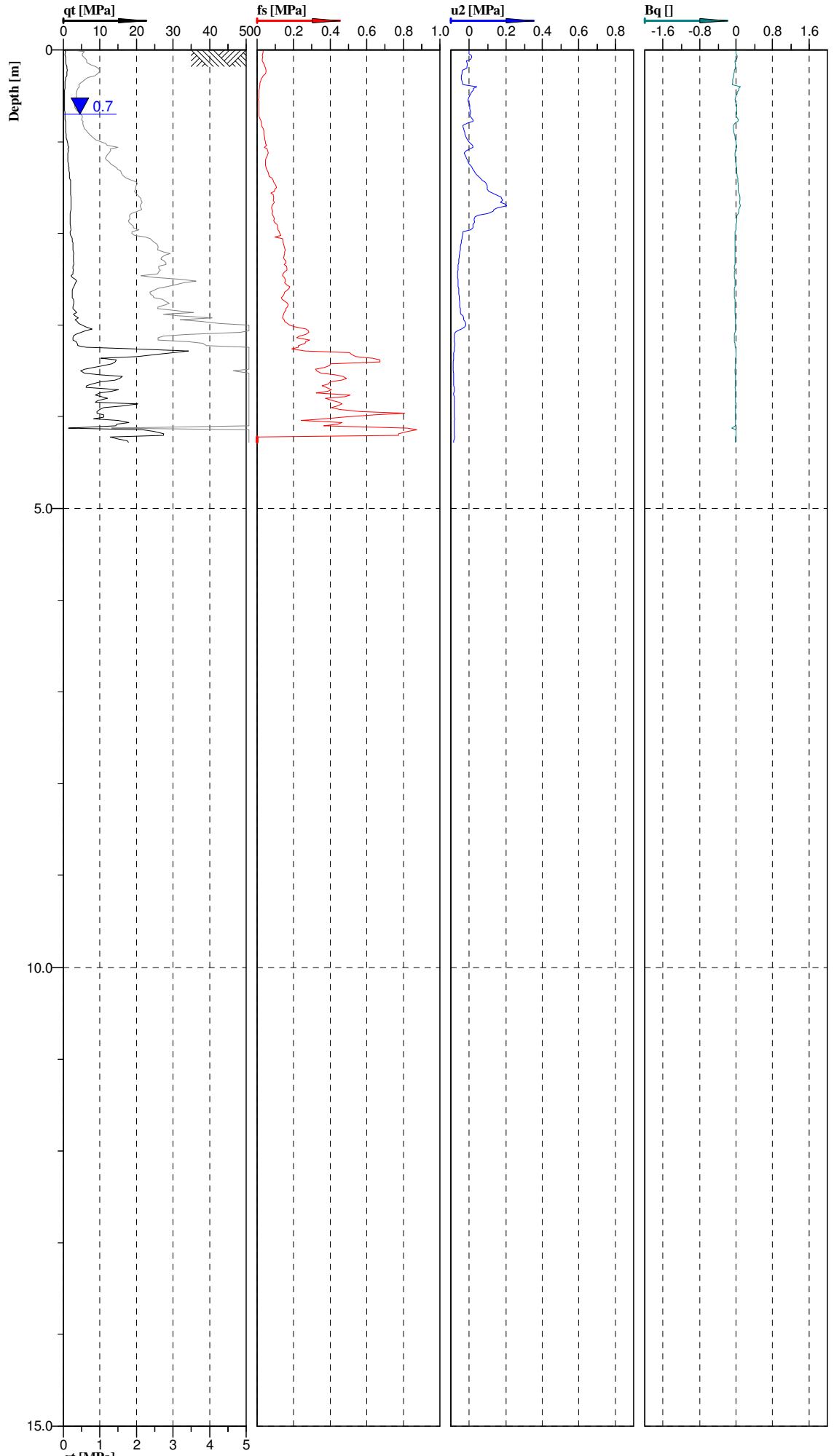
Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location: Berry	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: CPT408
Project ID: W07/1768	Client: RMS	Date: 29/3/2012	Scale: 1 : 60
Project: Berry Bypass		Page: 1/2	Fig:
File: CPT408.CPT			

Classification by Robertson 1990

- Very stiff fine grained (9)
- Silty sand to sandy silt (5)
- Clayey silt to silty clay (4)
- Clays; clay to silty clay (3)
- Clayey silt to silty clay (4)
- Very stiff fine grained (9)
- Very stiff sand to clayey sand (8)
- Very stiff fine grained (9)
- Very stiff sand to clayey sand (8)

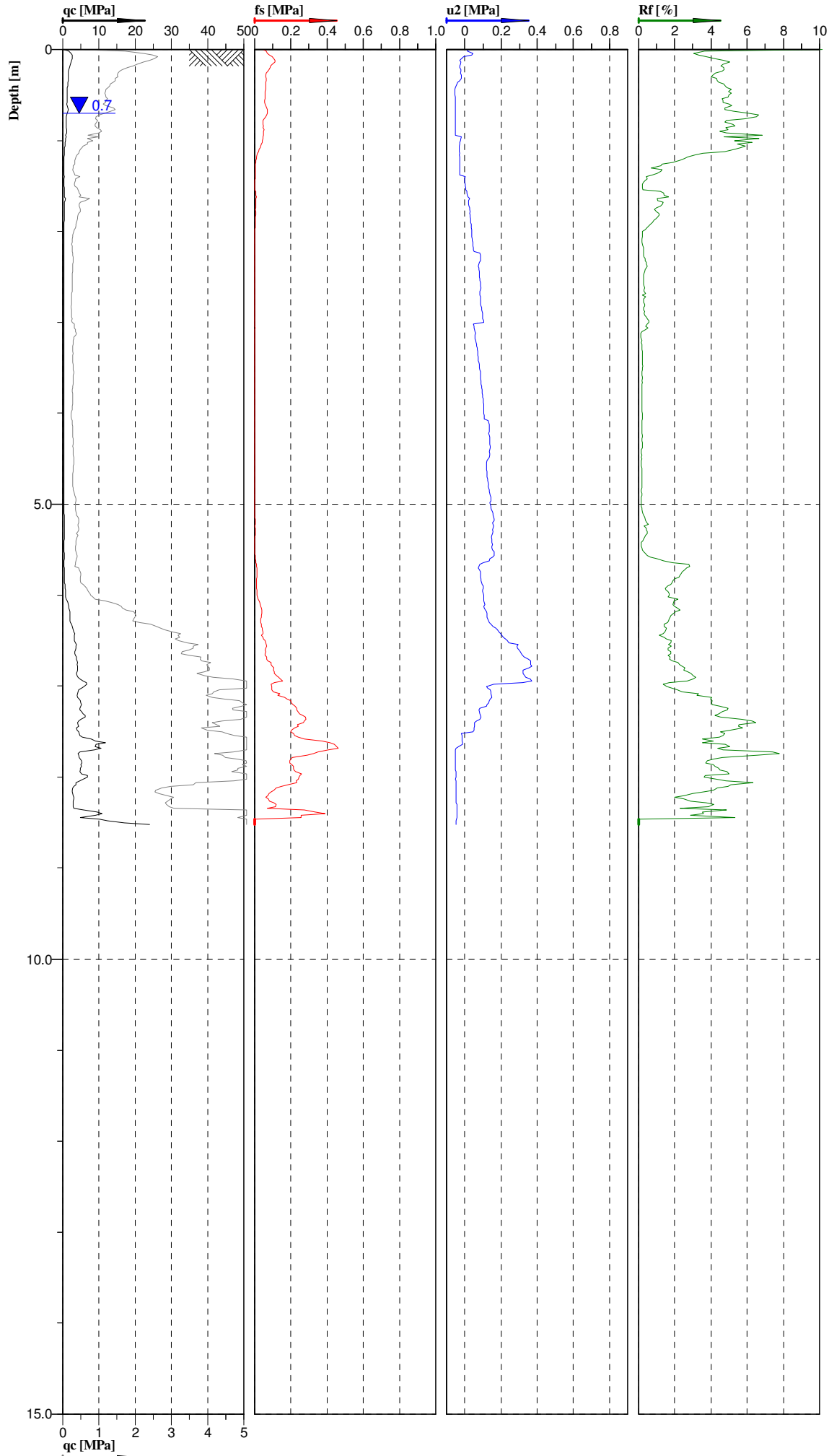
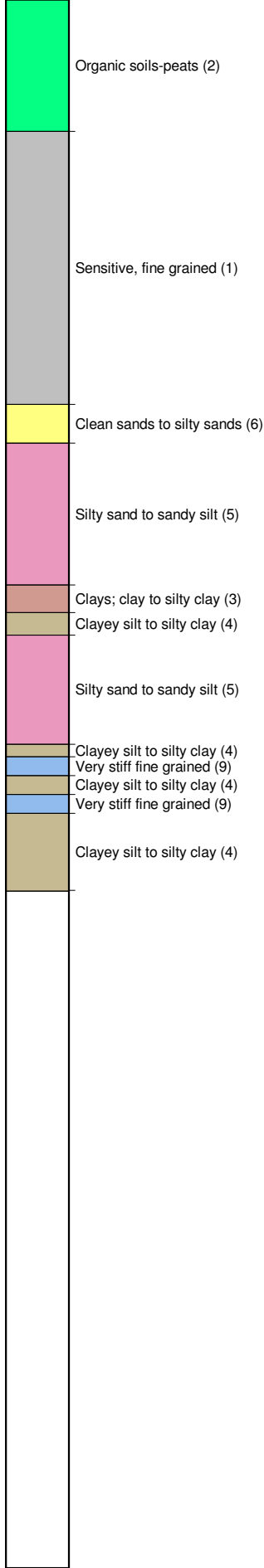


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location: Berry	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: CPT408
Project ID: W07/1768	Client: RMS	Date: 29/3/2012	Scale: 1 : 60
Project: Berry Bypass		Page: 2/2	Fig:
File: CPT408.CPT			

Classification by Robertson 1990

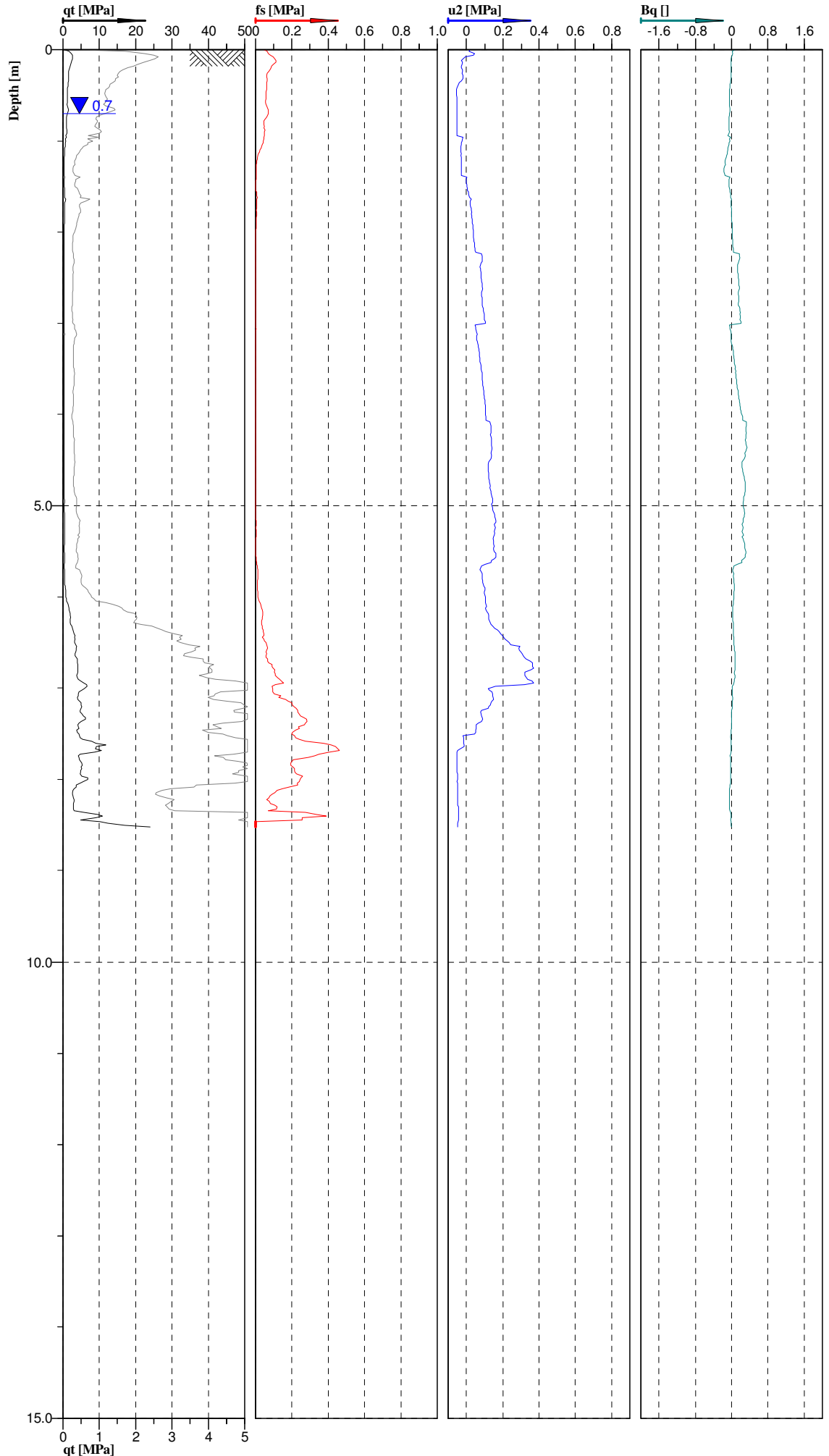
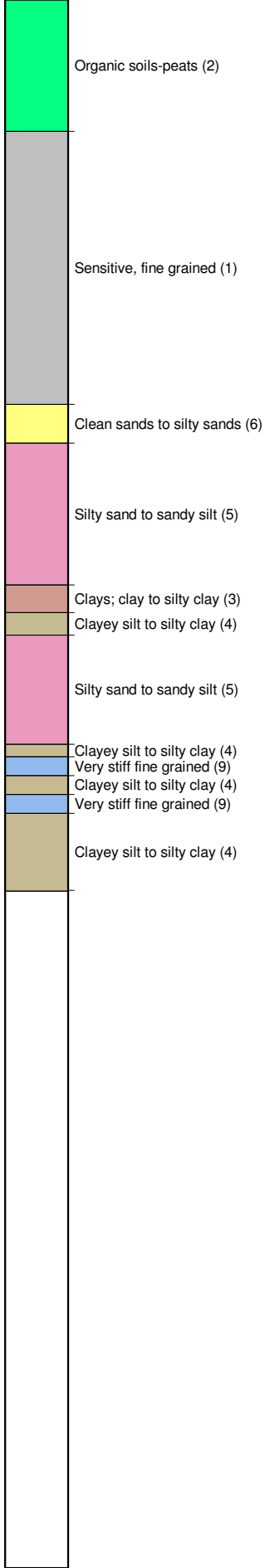


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT409
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass			Page:	1/3	Fig:	
				File:	CPT409.CPT		

Classification by Robertson 1990

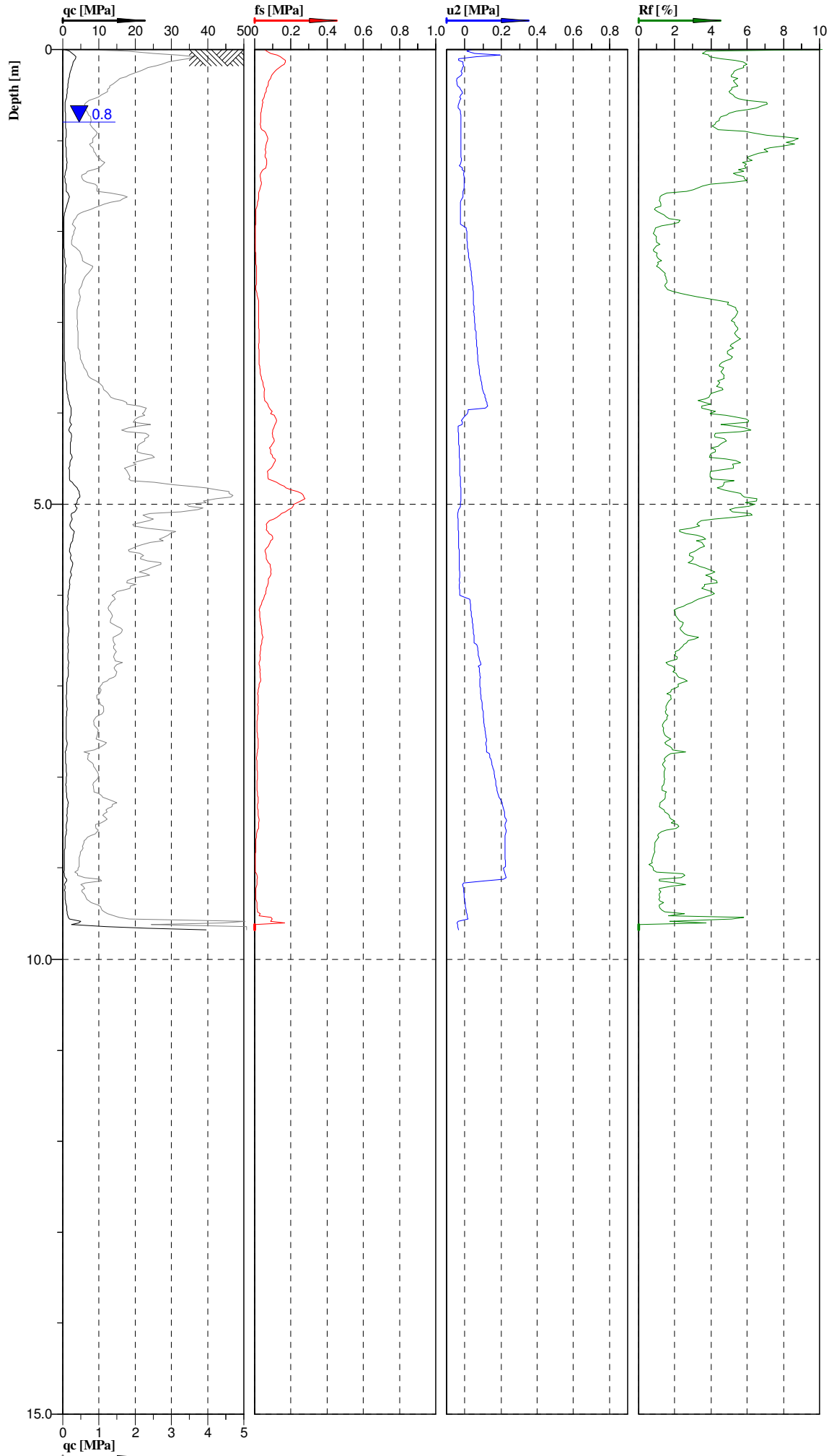
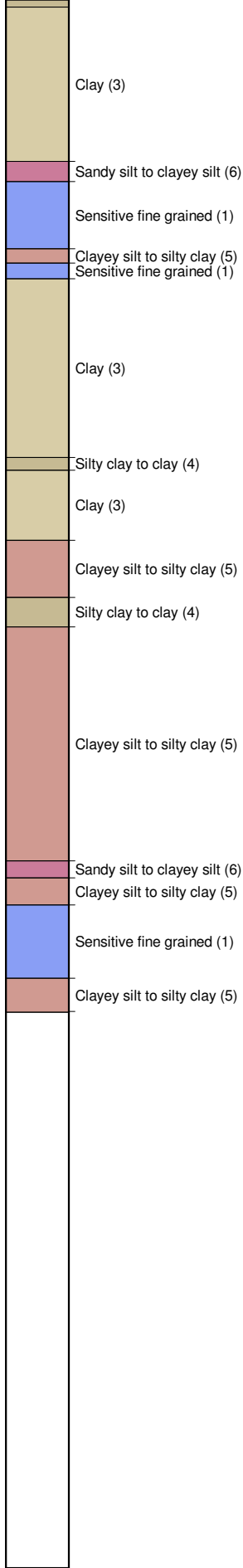


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT409
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass			Page:	2/3	Fig:	
				File:	CPT409.CPT		

Classification by Robertson 1986

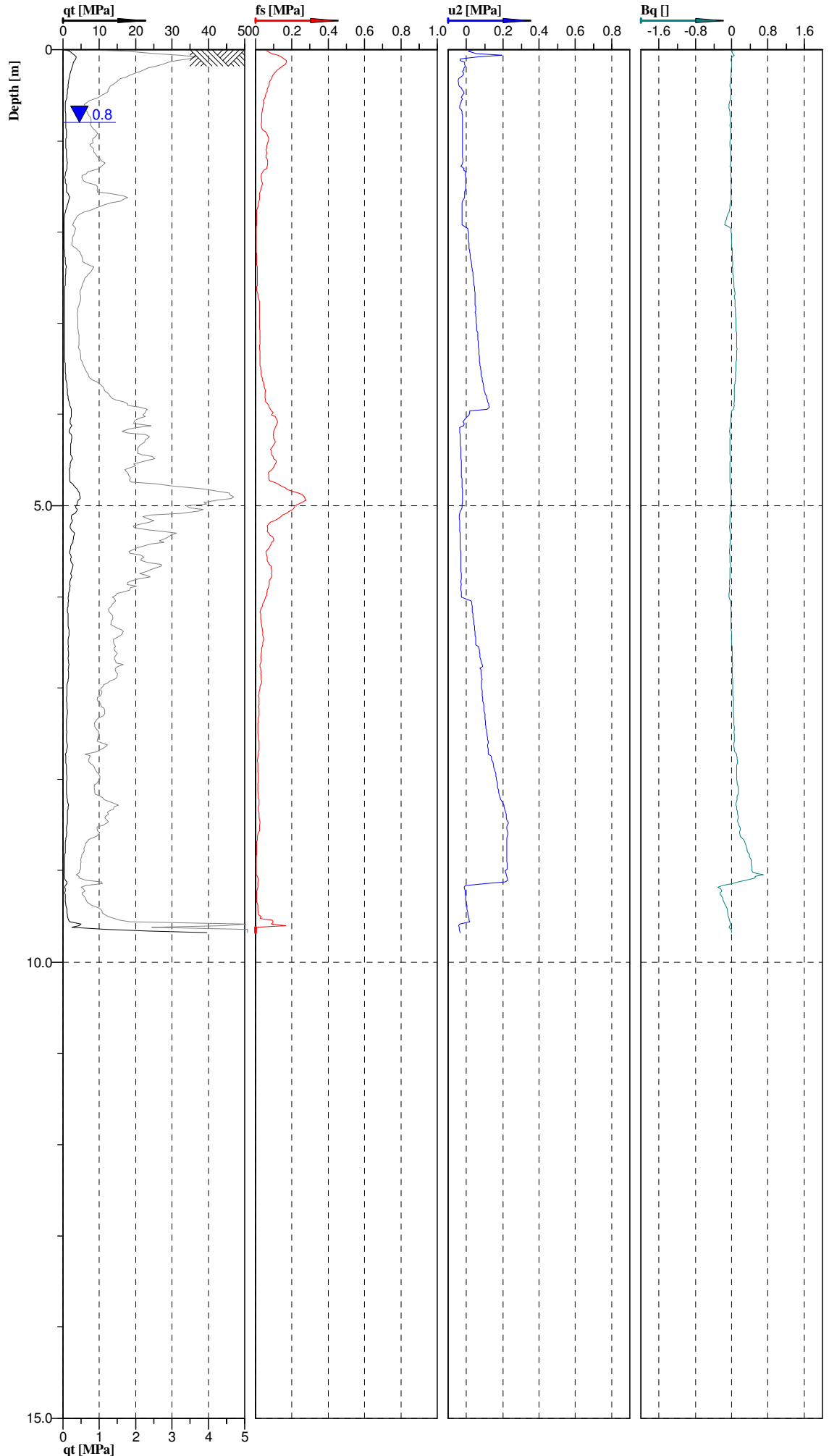
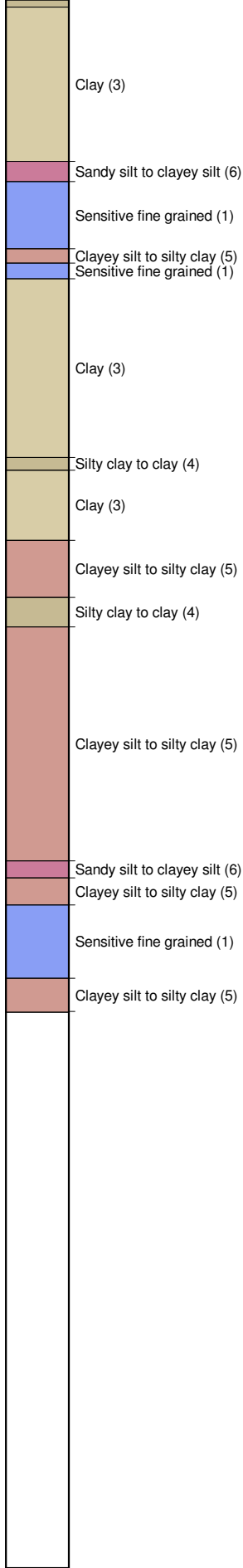


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT406
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass		Page:	1/2		Fig:	
File:						CPT406.cpt	

Classification by Robertson 1986

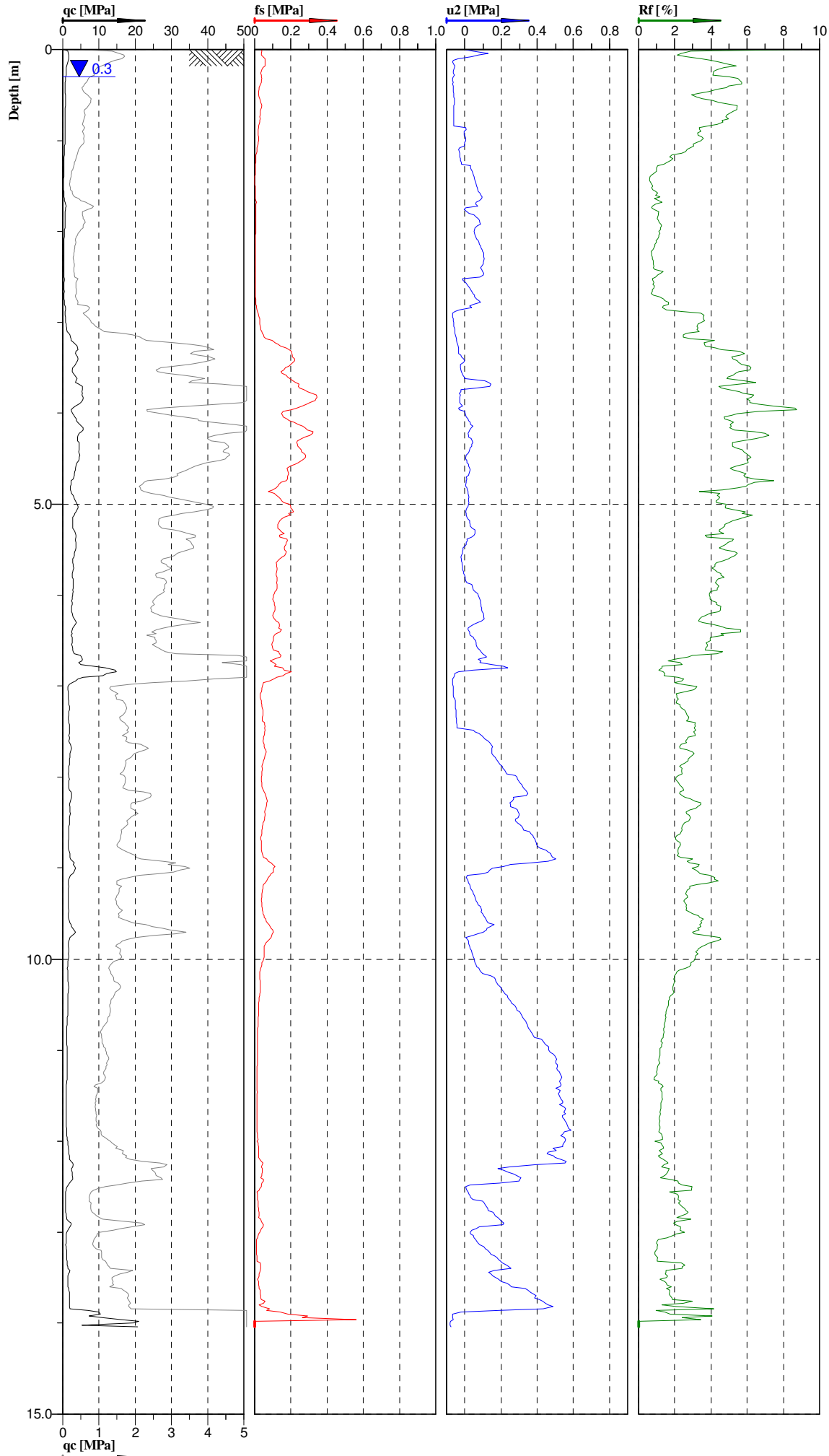
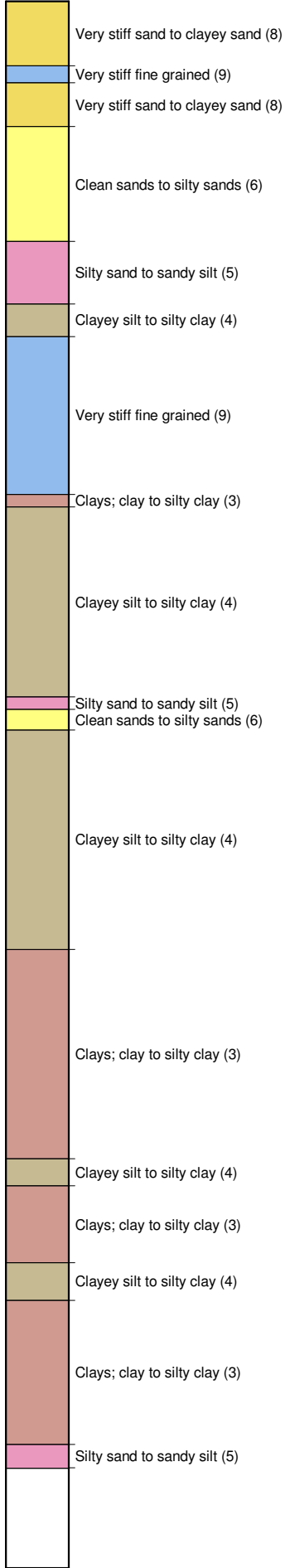


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT406
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass		Page:	2/2		Fig:	
File:						CPT406.cpt	

Classification by Robertson 1990

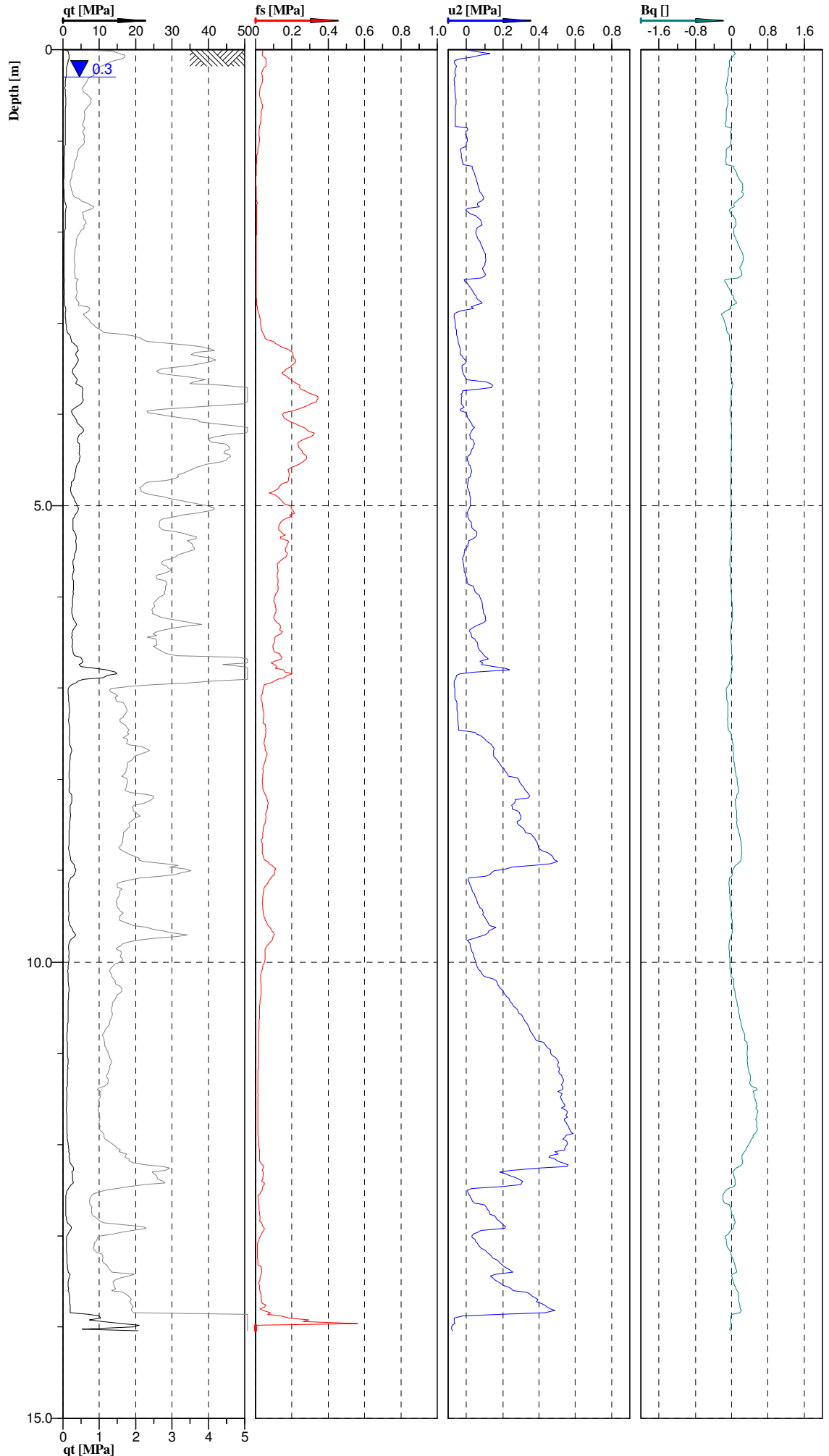


Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT410
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass		Page:	1/3	Fig:		
					File:	CPT410.CPT	

Classification by Robertson 1990



Cone No: 4254
 Tip area [cm²]: 10
 Sleeve area [cm²]: 150



Location:	Berry	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	CPT410
Project ID:	W07/1768	Client:	RMS	Date:	28/3/2012	Scale:	1 : 60
Project:	Berry Bypass		Page:	2/3		Fig:	
File:						CPT410.CPT	