

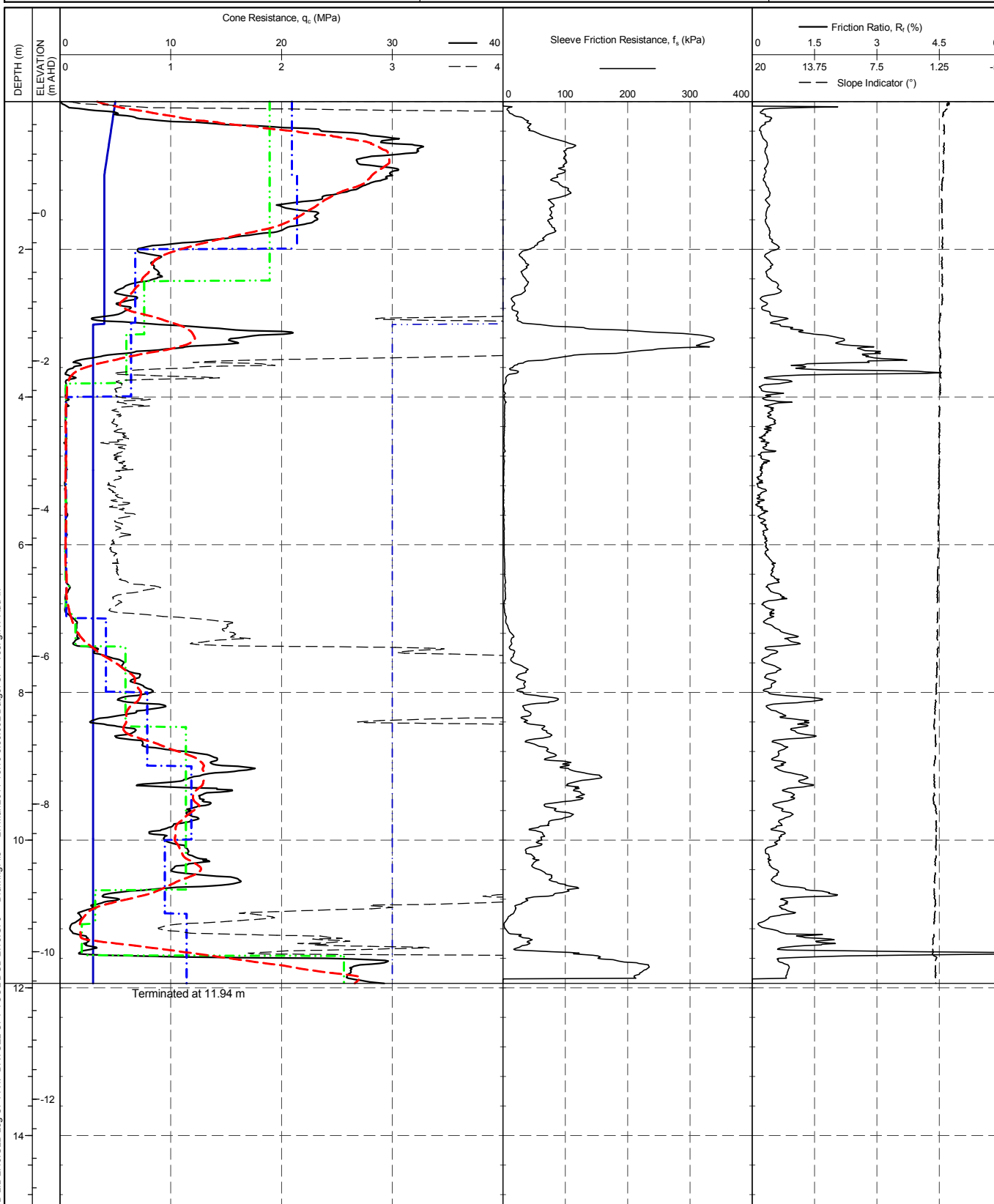
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

— q_c Moving Average Over 0.5 m
- - q_c Stepped Average Over 1 m
... q_c Strata Average

Design Line

REMARK
A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPT A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:19.8.30.002 Datgel CPT Tool gINT Add-In

PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

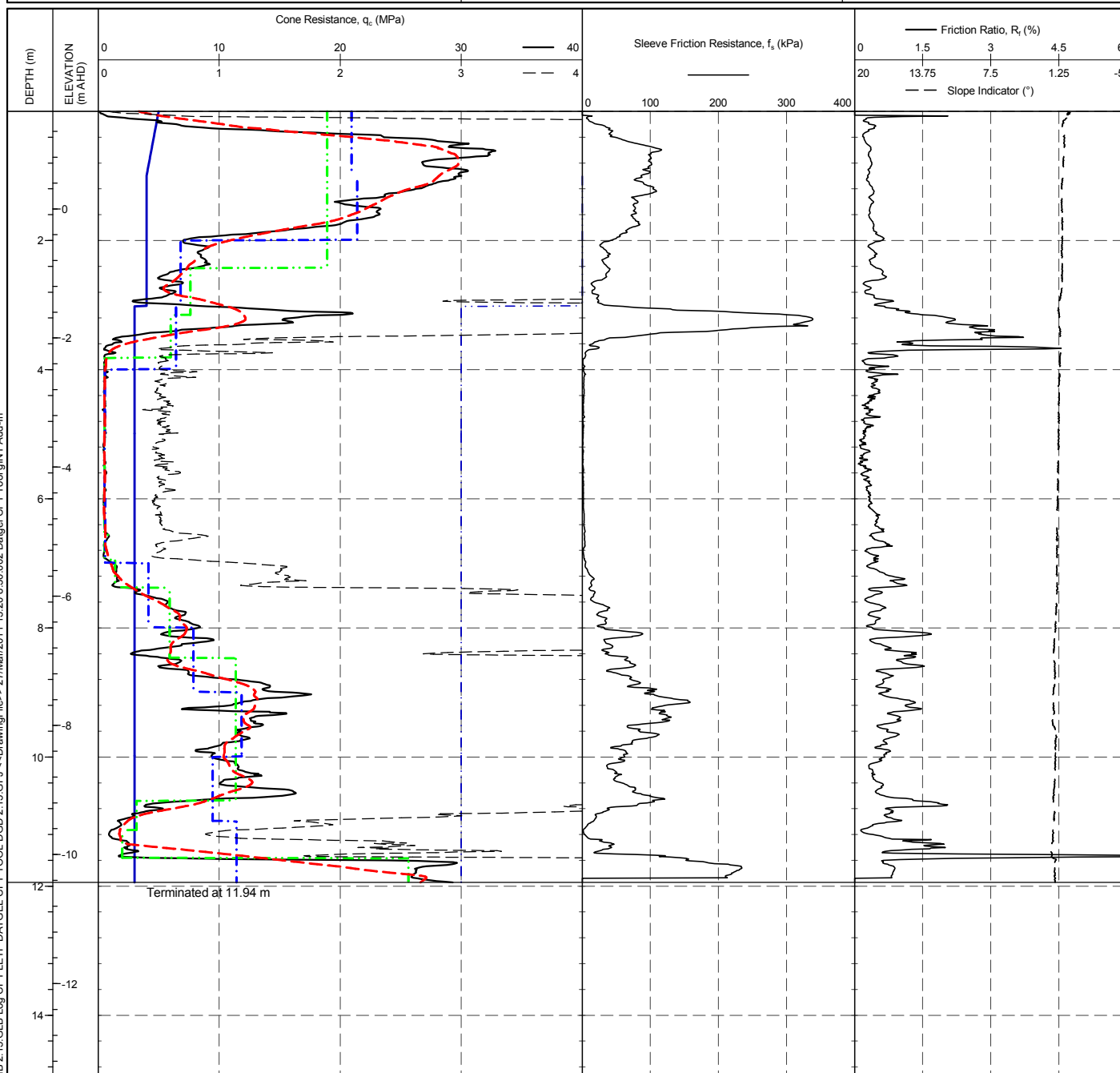
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— q_c Moving Average Over 0.5 m
- - q_c Stepped Average Over 1 m
... q_c Strata Average

Design Line

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPT LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:20 8.30.002 Datgel CPT Tool gINT Add-In

PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

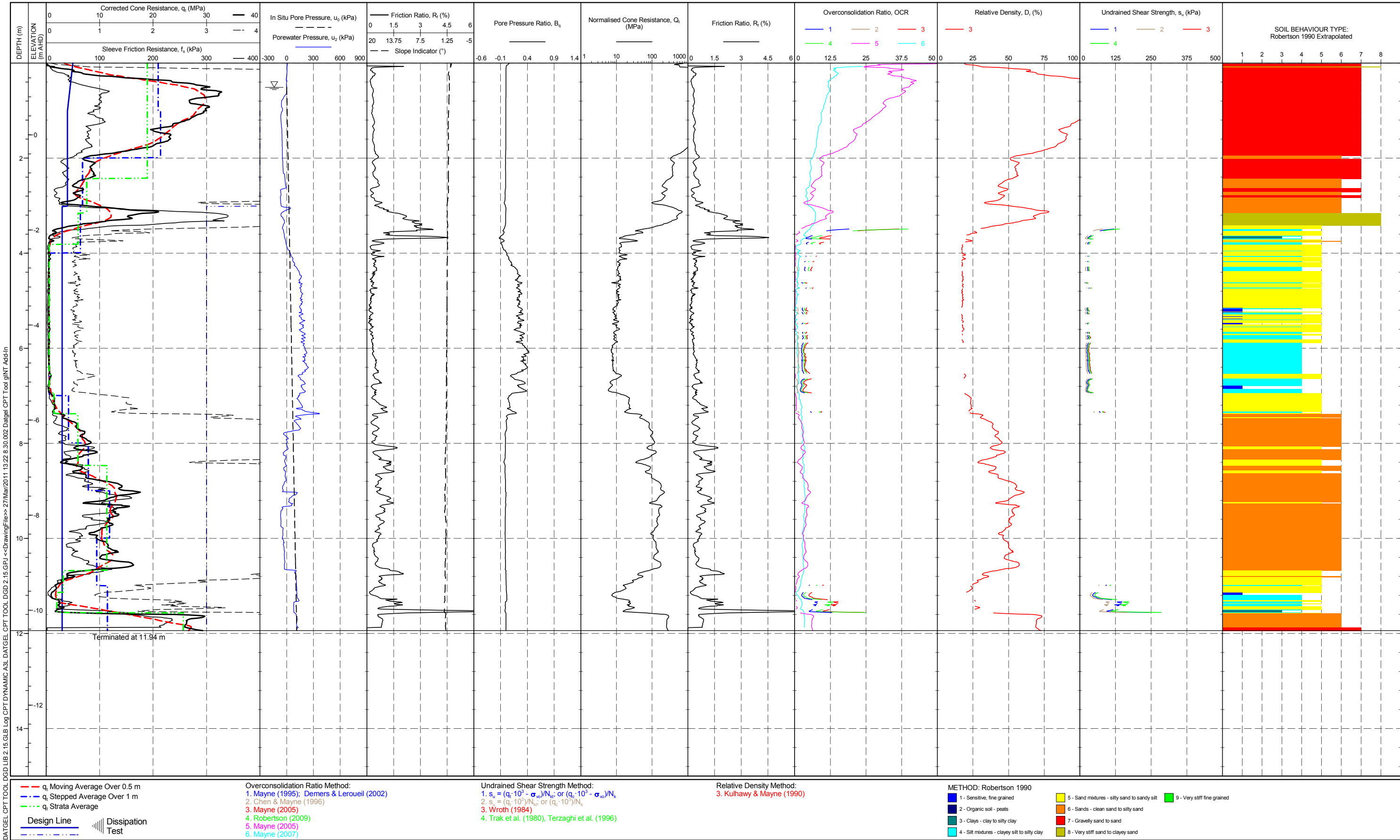
AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

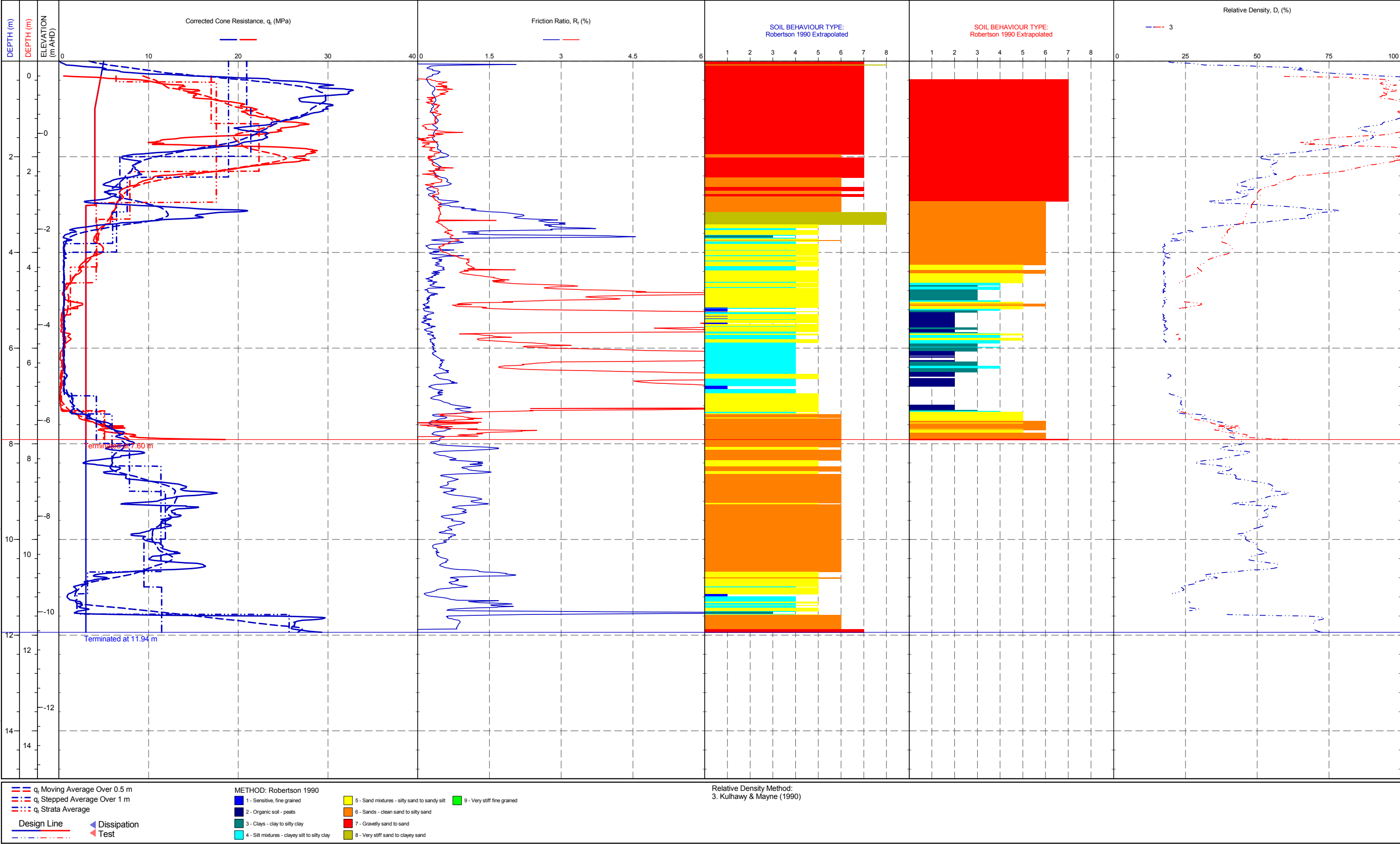
CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

REMARK
A general remark.

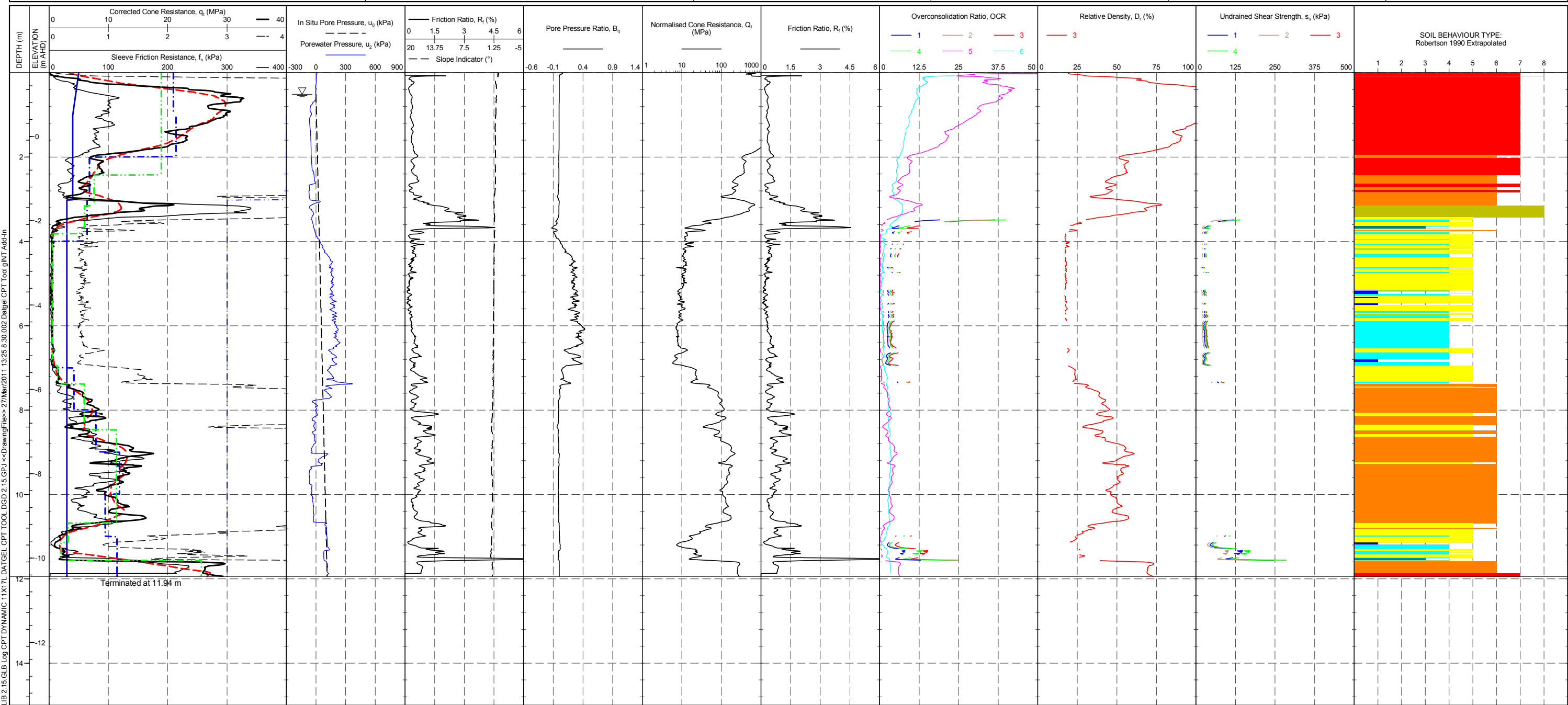
SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



CLIENT : CPT Client		RIG : no anchoring		REMARK		STATUS : 2		PointID 1		PointID 2	
ENGINEER : ABC Engineering		CONE TYPE : C+F+W2		CRAWLER 1no anchoring		DATE : 23/12/09		CPT 05		CPT 04	
PROJECT : CPT Tool Project		CONE ID : S15CFIIP.D76		CONE ID : S15CFIIP.D76		AREA : Place					
LOCATION : Somewhere		OPERATOR : Operator A		OPERATOR : Operator A		LAYER					
PROJECT No. : 2.15		CHECKED BY : B. Smith		CHECKED BY : B. Smith		EASTING : 248139.6 m					
		CHECKED DATE : 06/02/2009		CHECKED DATE : 06/02/2009		NORTHING : 1267426.3 m					
		APPROVED BY : C. Doe		APPROVED BY : C. Doe		ELEVATION : 1.51 m AHD					
		APPROVED DATE : 06/02/2009		APPROVED DATE : 06/02/2009							
				A general remark.							

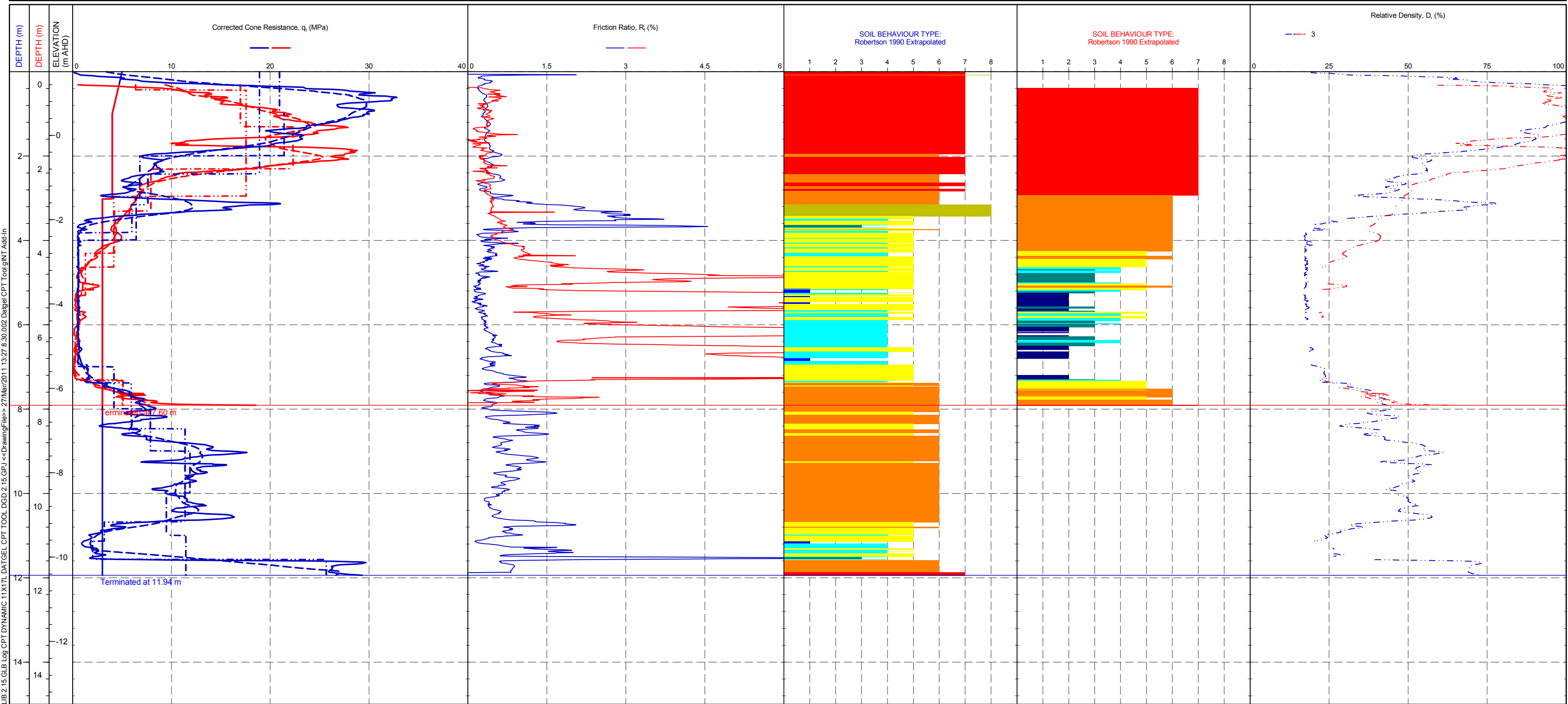


CLIENT : CPT Client		AREA : Place		RIG : no anchoring		CHECKED BY : B. Smith		REMARK : A general remark.		SHEET : 1 OF 1	
ENGINEER : ABC Engineering		EASTING : 248139.6 m		CONE TYPE : C+F+W2		CHECKED DATE : 06/02/2009				STATUS : 2	
PROJECT : CPT Tool Project		NORTHING : 1267426.3 m		CONE ID : S15CFIIP.D76		APPROVED BY : C. Doe				DATE : 23/12/2009	
LOCATION : Somewhere		COORD. SYS. : MGA94 56		OPERATOR : Operator A		APPROVED DATE : 06/02/2009					
PROJECT No. : 2.15		ELEVATION : 1.51 m AHD									



<p>--- q_t Moving Average Over 0.5 m</p> <p>--- q_t Stepped Average Over 1 m</p> <p>--- q_t Strata Average</p> <p>Design Line</p> <p>Dissipation Test</p>		<p>Overconsolidation Ratio Method:</p> <p>1. Mayne (1995); Demers & Leroueil (2002)</p> <p>2. Chen & Mayne (1996)</p> <p>3. Mayne (2005)</p> <p>4. Robertson (2009)</p> <p>5. Mayne (2005)</p> <p>6. Mayne (2007)</p>		<p>Undrained Shear Strength Method:</p> <p>1. $s_u = (q_t \cdot 10^{-2} - \sigma_{vo})/N_{k1}$ or $(q_t \cdot 10^{-2} - \sigma_{vo})/N_k$</p> <p>2. $s_u = (q_t \cdot 10^{-2})/N_{k1}$ or $(q_t \cdot 10^{-2})/N_k$</p> <p>3. Wroth (1984)</p> <p>4. Trak et al. (1980), Terzaghi et al. (1996)</p>		<p>Relative Density Method:</p> <p>3. Kulhawy & Mayne (1990)</p>		<p>METHOD: Robertson 1990</p> <p>1 - Sensitive, fine grained</p> <p>2 - Organic soil - peats</p> <p>3 - Clays - clay to silty clay</p> <p>4 - Silt mixtures - clayey silt to silty clay</p> <p>5 - Sand mixtures - silty sand to sandy silt</p> <p>6 - Sands - clean sand to silty sand</p> <p>7 - Gravely sand to sand</p> <p>8 - Very stiff sand to clayey sand</p> <p>9 - Very stiff fine grained</p>	
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CLIENT : CPT Client	RIG : no anchoring	RIG : Crawler 1no anchoring	REMARK A general remark. A general remark.	STATUS : 2	STATUS :
ENGINEER : ABC Engineering	CONE TYPE : C+F+W2	CONE TYPE : C+F+W2		DATE : 23/12/09	DATE : 12/11/2008
PROJECT : CPT Tool Project	CONE ID : S15CFIIP.D76	CONE ID : S15CFIIP.D76		AREA : Place	AREA : Place
LOCATION : Somewhere	OPERATOR : Operator A	OPERATOR : Operator A		LAYER :	LAYER :
PROJECT No. : 2.15	CHECKED BY : B. Smith	CHECKED BY : B. Smith		EASTING : 248139.6 m	EASTING : 248114.9 m
	CHECKED DATE : 06/02/2009	CHECKED DATE : 06/02/2009		NORTHING : 1267426.3 m	NORTHING : 1267400.2 m
	APPROVED BY : C. Doe	APPROVED BY : C. Doe		ELEVATION : 1.51 m AHD	ELEVATION : 1.20 m AHD
	APPROVED DATE : 06/02/2009	APPROVED DATE : 06/02/2009			



--- q _t Moving Average Over 0.5 m --- q _t Stepped Average Over 1 m --- q _t Strata Average		METHOD: Robertson 1990		Relative Density Method: 3. Kulhawy & Mayne (1990)	
— Design Line — Test		1 - Sensitive, fine grained 2 - Organic soil - peats 3 - Clays - clay to silty clay 4 - Silt mixtures - clayey silt to silty clay		5 - Sand mixtures - silty sand to sandy silt 6 - Sands - clean sand to silty sand 7 - Gravely sand to sand 8 - Very stiff sand to clayey sand	
		9 - Very stiff fine grained			

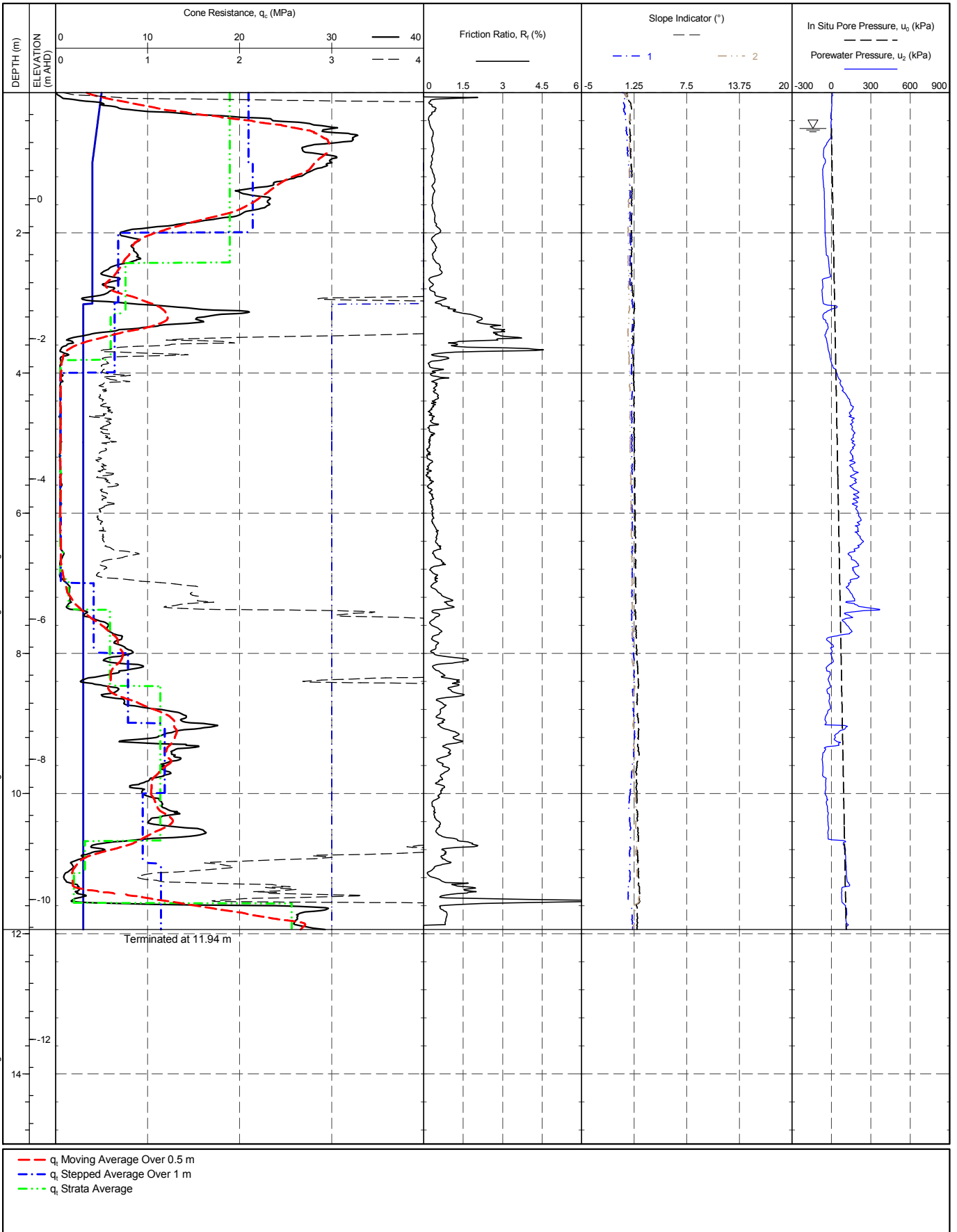
PointID

CPT 05

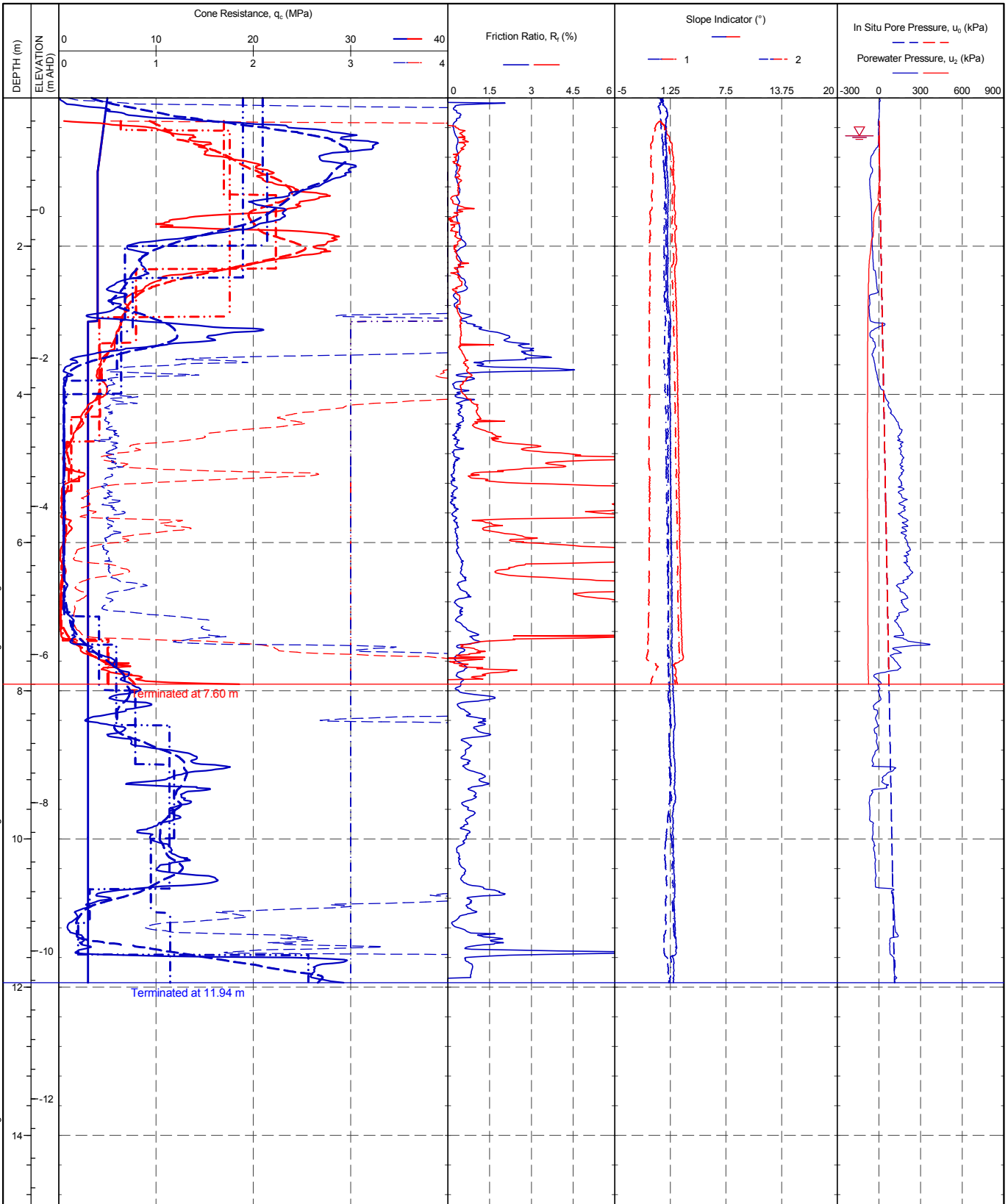
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



	PointID 1	PointID 2
	CPT 05	CPT 04
CLIENT : CPT Client	STATUS : 2	STATUS :
ENGINEER : ABC Engineering	DATE : 23/12/09	DATE : 12/11/08
PROJECT : CPT Tool Project	AREA : Place	AREA : Place
LOCATION : Somewhere	LAYER :	LAYER :
PROJECT No. : 2.15	EASTING : 248139.6 m	EASTING : 248114.9 m
	NORTHING : 1267426.3 m	NORTHING : 1267400.2 m
	ELEVATION : 1.51 m AHD	ELEVATION : 1.20 m AHD



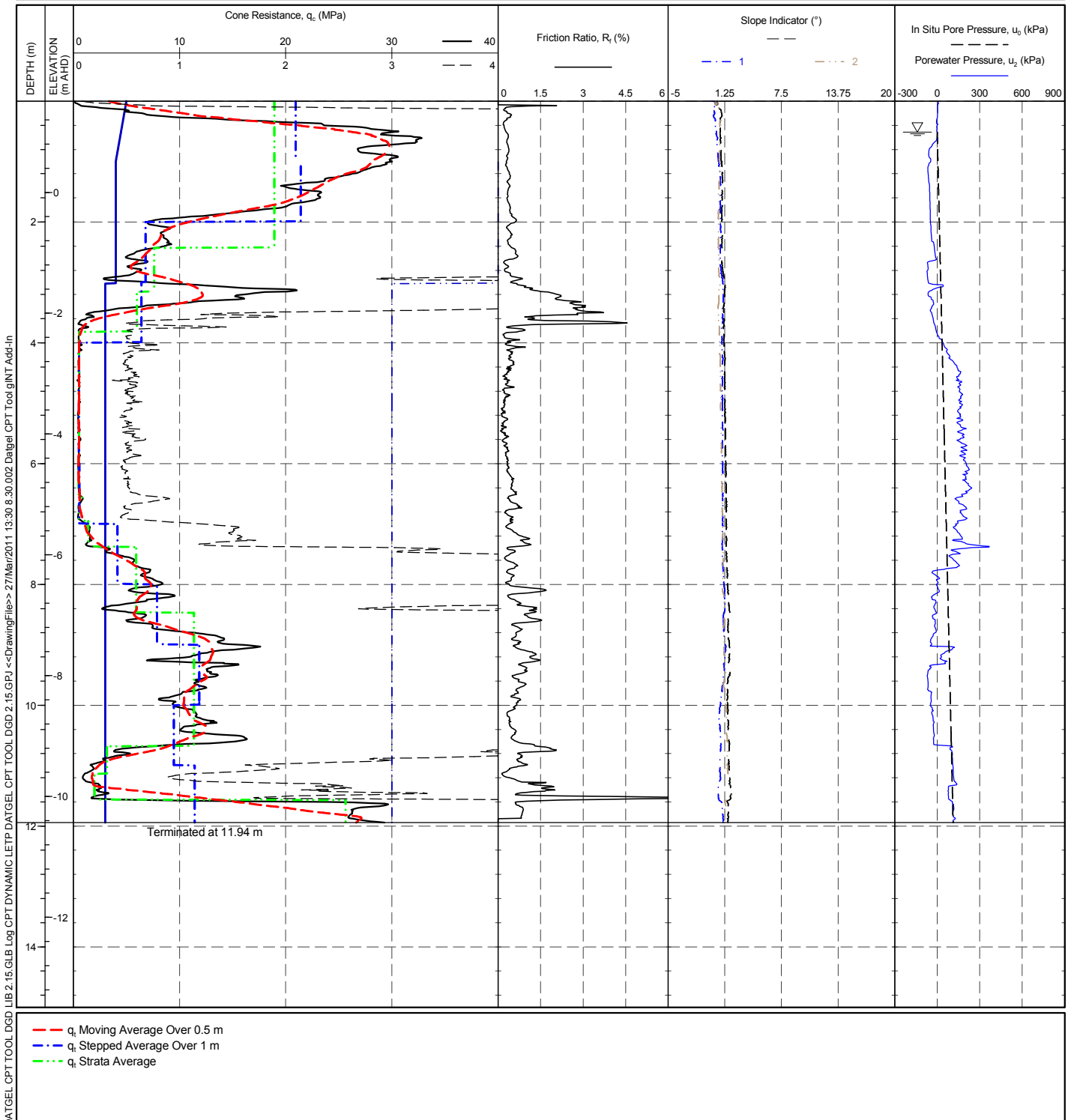
PointID

CPT 05

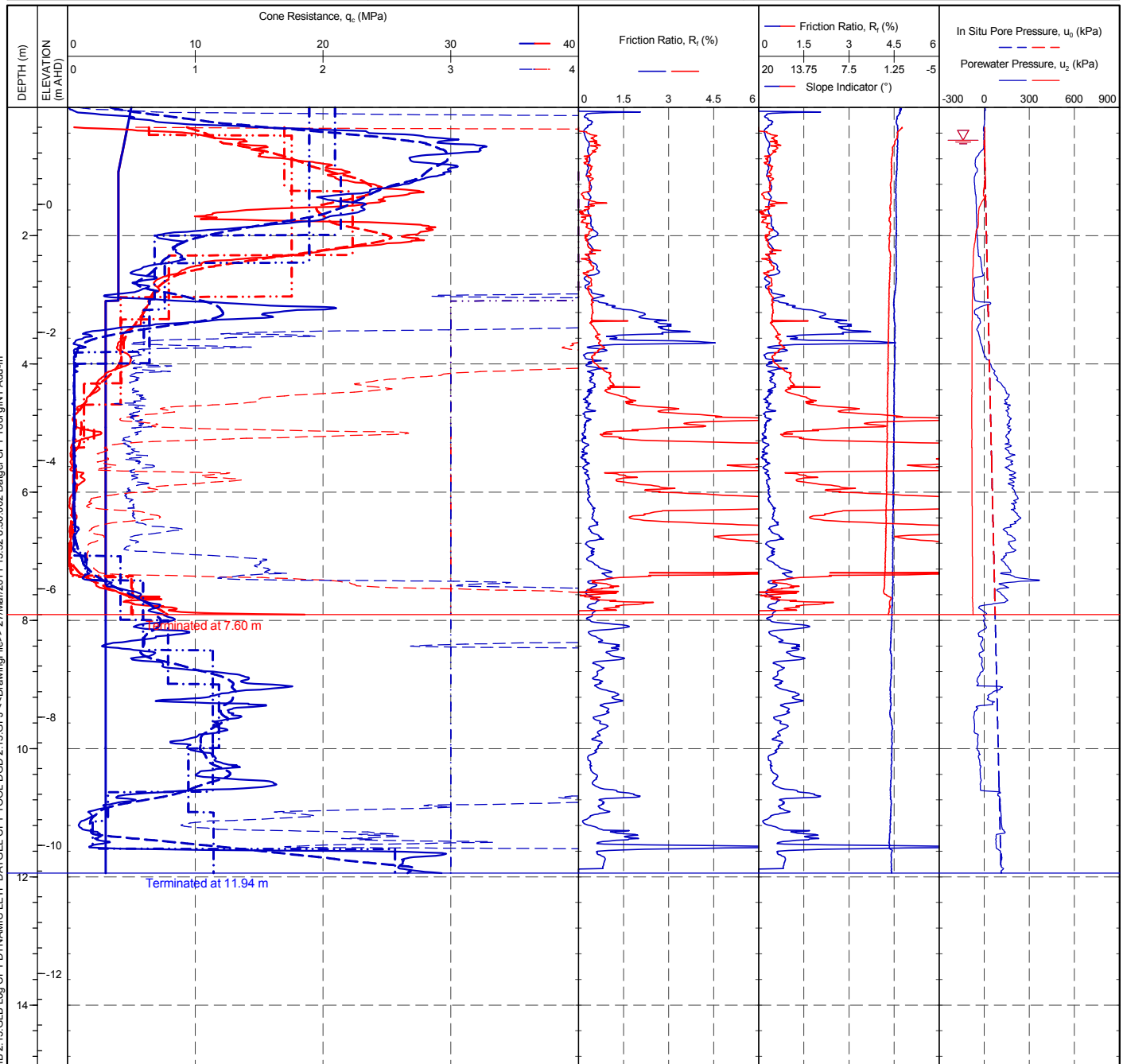
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



PointID 1		PointID 2
CPT 05		CPT 04
CLIENT : CPT Client	STATUS : 2	STATUS :
ENGINEER : ABC Engineering	DATE : 23/12/09	DATE : 12/11/08
PROJECT : CPT Tool Project	AREA : Place	AREA : Place
LOCATION : Somewhere	LAYER :	LAYER :
PROJECT No. : 2.15	EASTING : 248139.6 m	EASTING : 248114.9 m
	NORTHING : 1267426.3 m	NORTHING : 1267400.2 m
	ELEVATION : 1.51 m AHD	ELEVATION : 1.20 m AHD



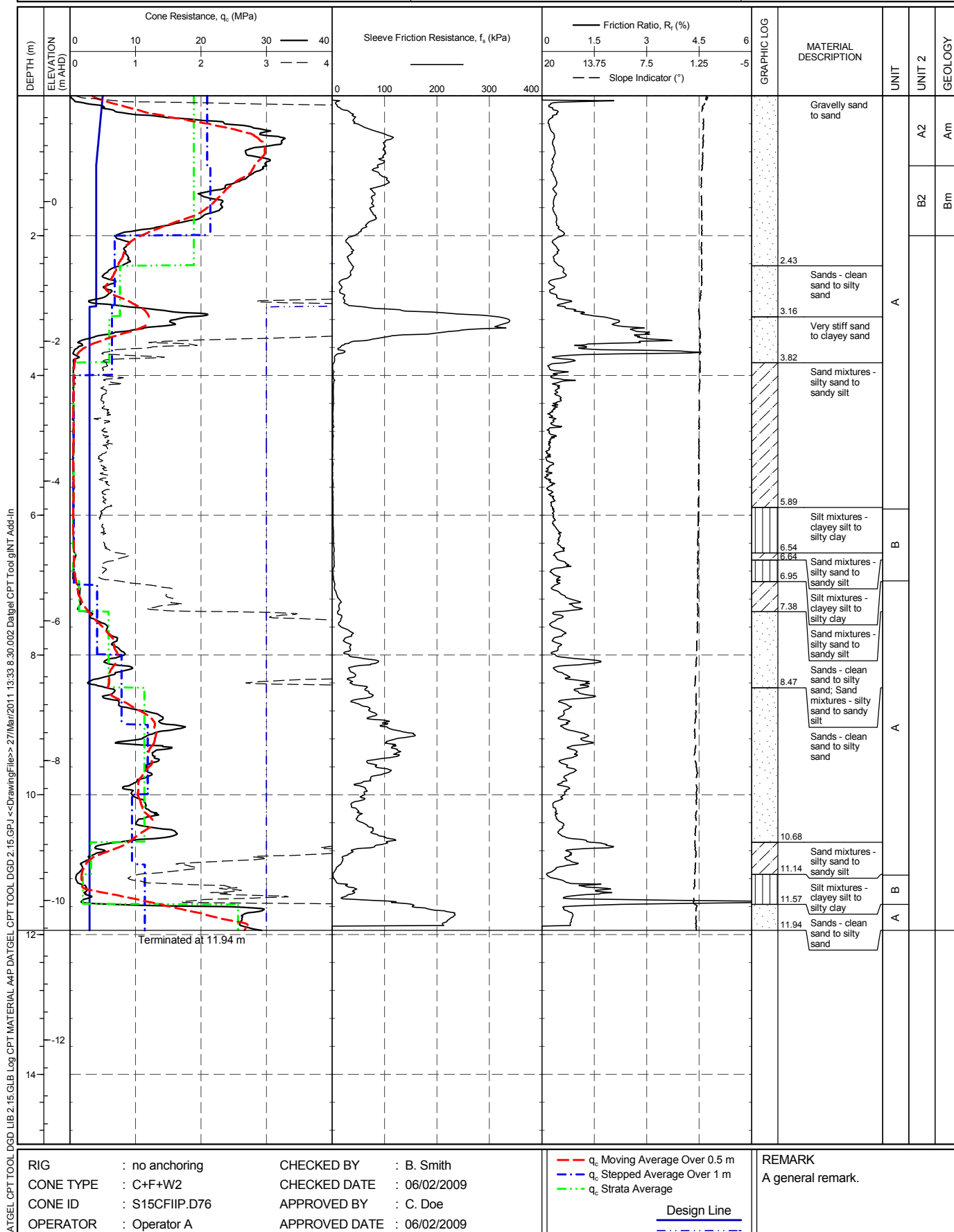
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009

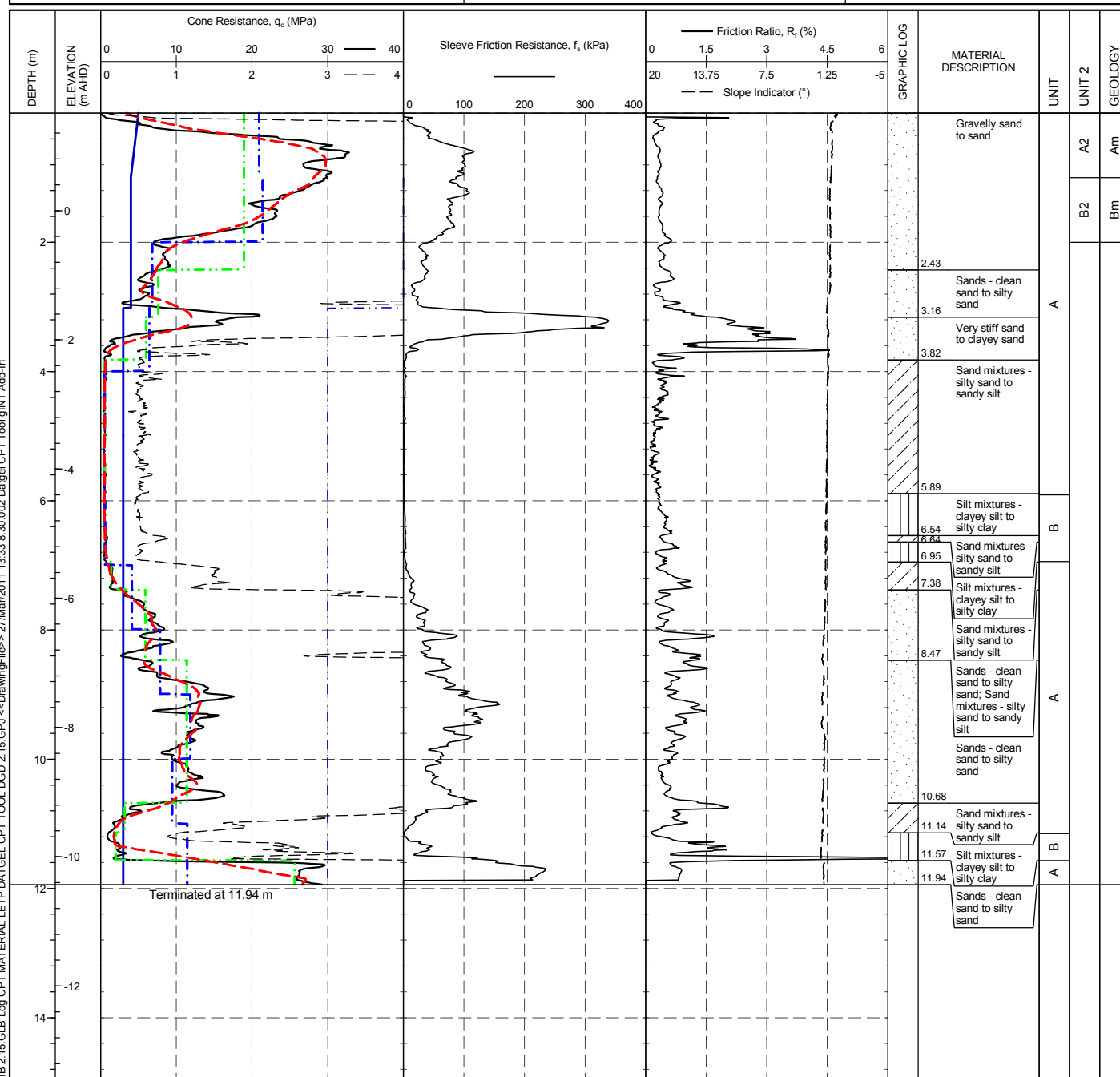


DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPT MATERIAL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:33 8.30.002 Datgel CPT Tool gINT Add-in

PointID

CPT 05

CLIENT : CPT Client	AREA : Place	SHEET : 1 OF 1
ENGINEER : ABC Engineering	EASTING : 248139.6 m	STATUS : 2
PROJECT : CPT Tool Project	NORTHING : 1267426.3 m	DATE : 23/12/2009
LOCATION : Somewhere	COORD. SYS. : MGA94 56	
PROJECT No. : 2.15	ELEVATION : 1.51 m AHD	



RIG : no anchoring	CHECKED BY : B. Smith	<p>REMARK</p> <p>A general remark.</p>
CONE TYPE : C+F+W2	CHECKED DATE : 06/02/2009	
CONE ID : S15CFIIP.D76	APPROVED BY : C. Doe	
OPERATOR : Operator A	APPROVED DATE : 06/02/2009	

- - - q_c Moving Average Over 0.5 m
 - - - q_c Stepped Average Over 1 m
 - - - q_c Strata Average
 Design Line

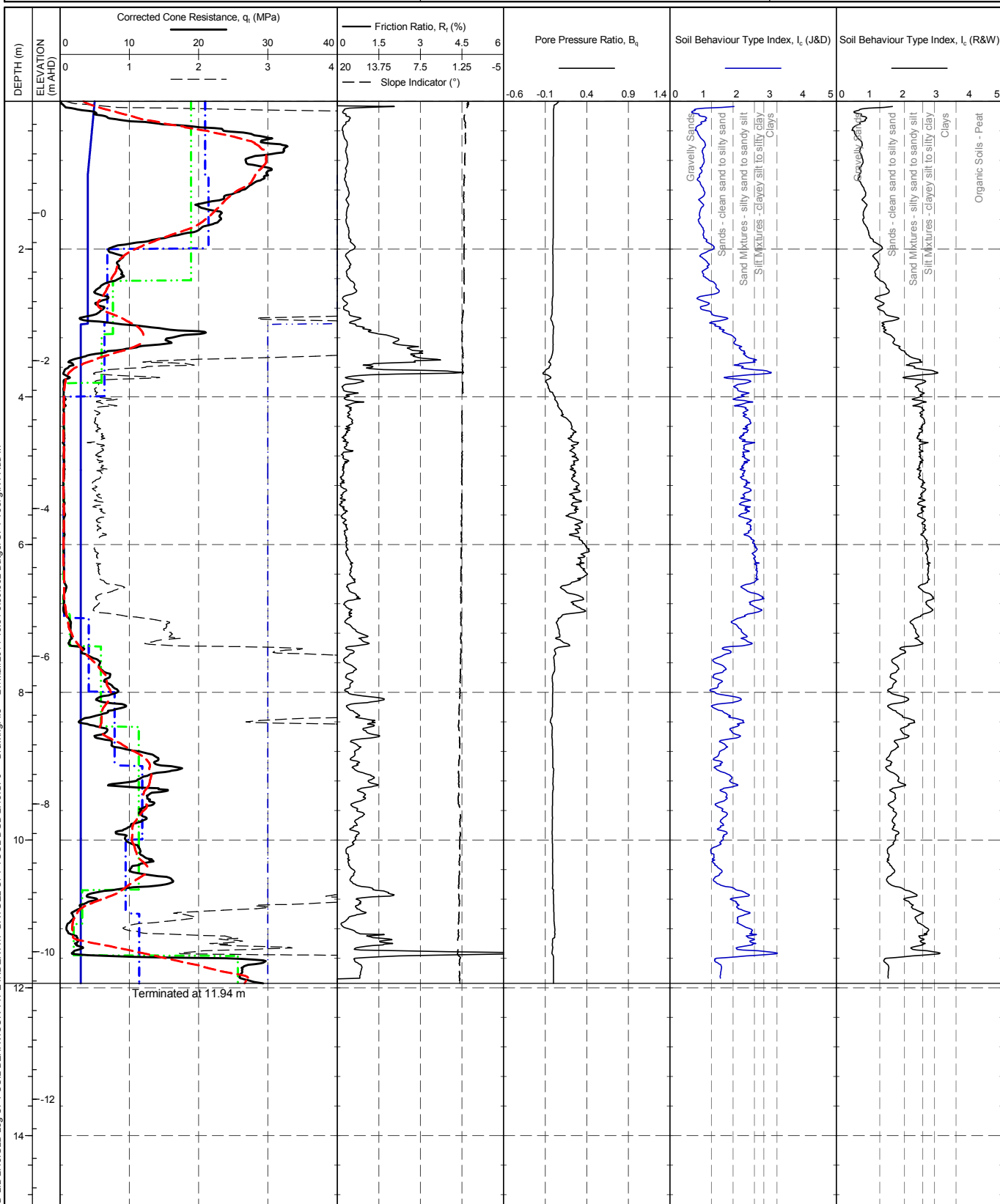
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

— q_t Moving Average Over 0.5 m
- - q_t Stepped Average Over 1 m
... q_t Strata Average

Design Line

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

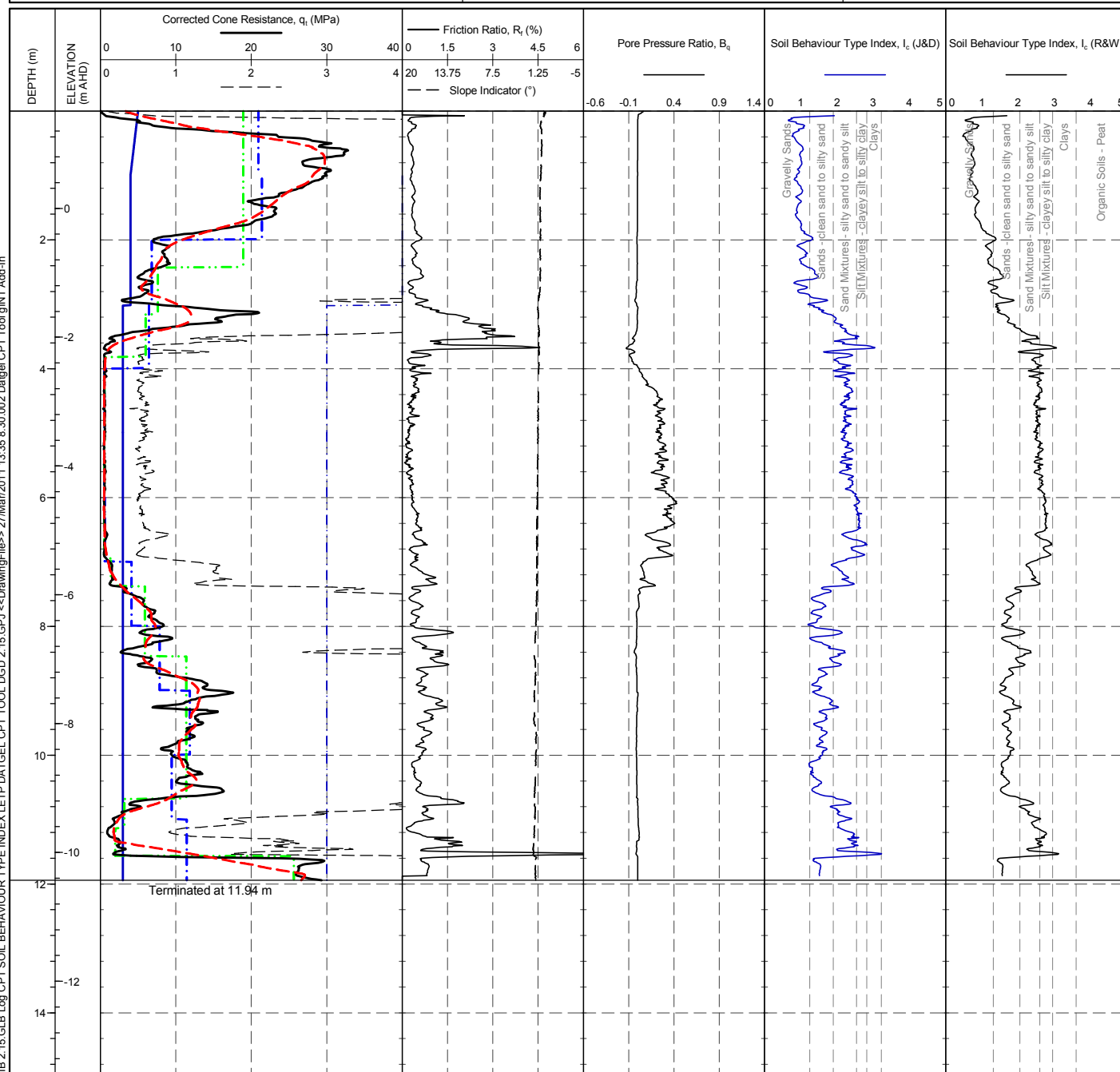
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

--- q_t Moving Average Over 0.5 m
--- q_t Stepped Average Over 1 m
--- q_t Strata Average

Design Line

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPT SOIL BEHAVIOUR TYPE INDEX LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:35 8.30.002 Datgel CPT Tool gINT Add-In

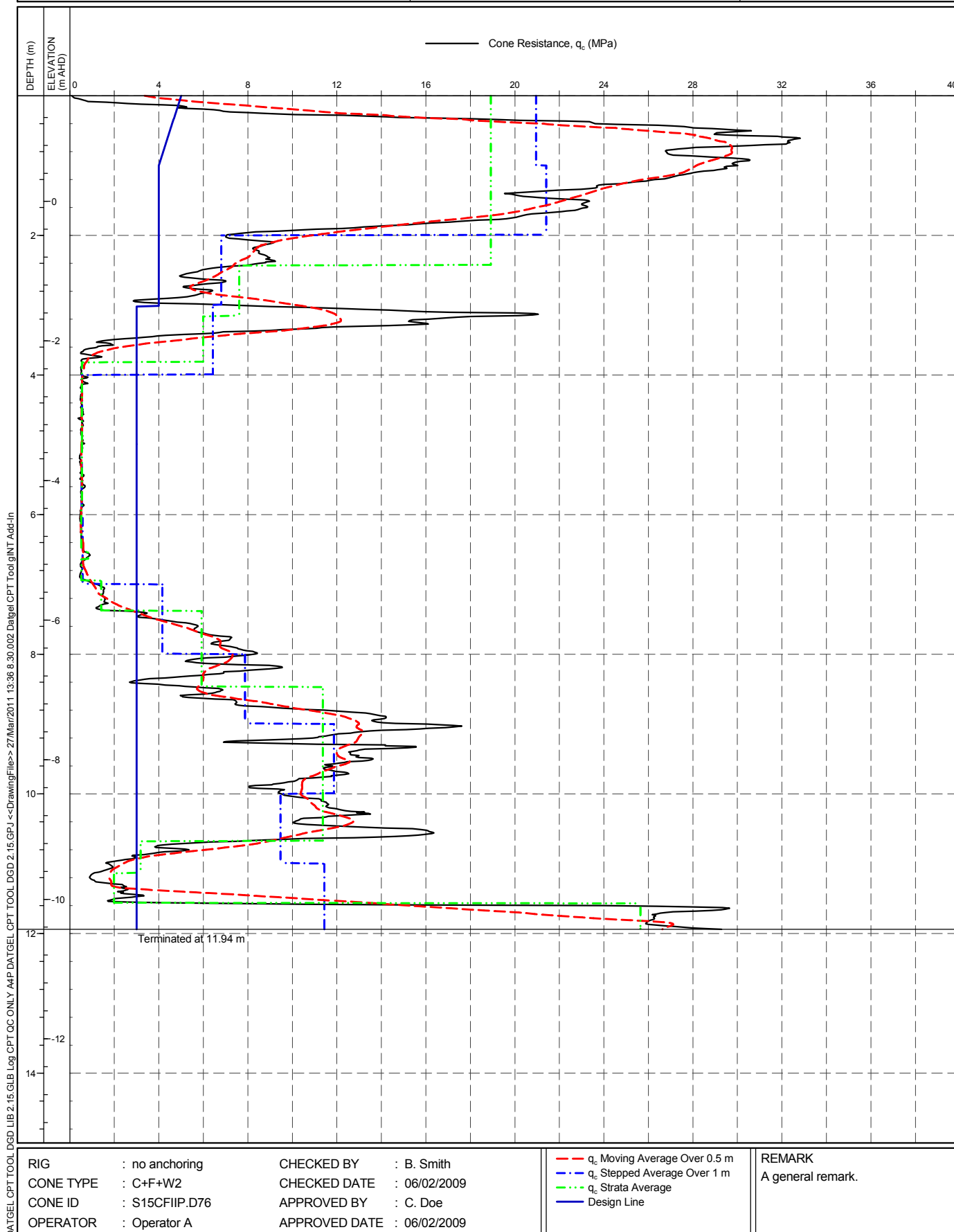
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

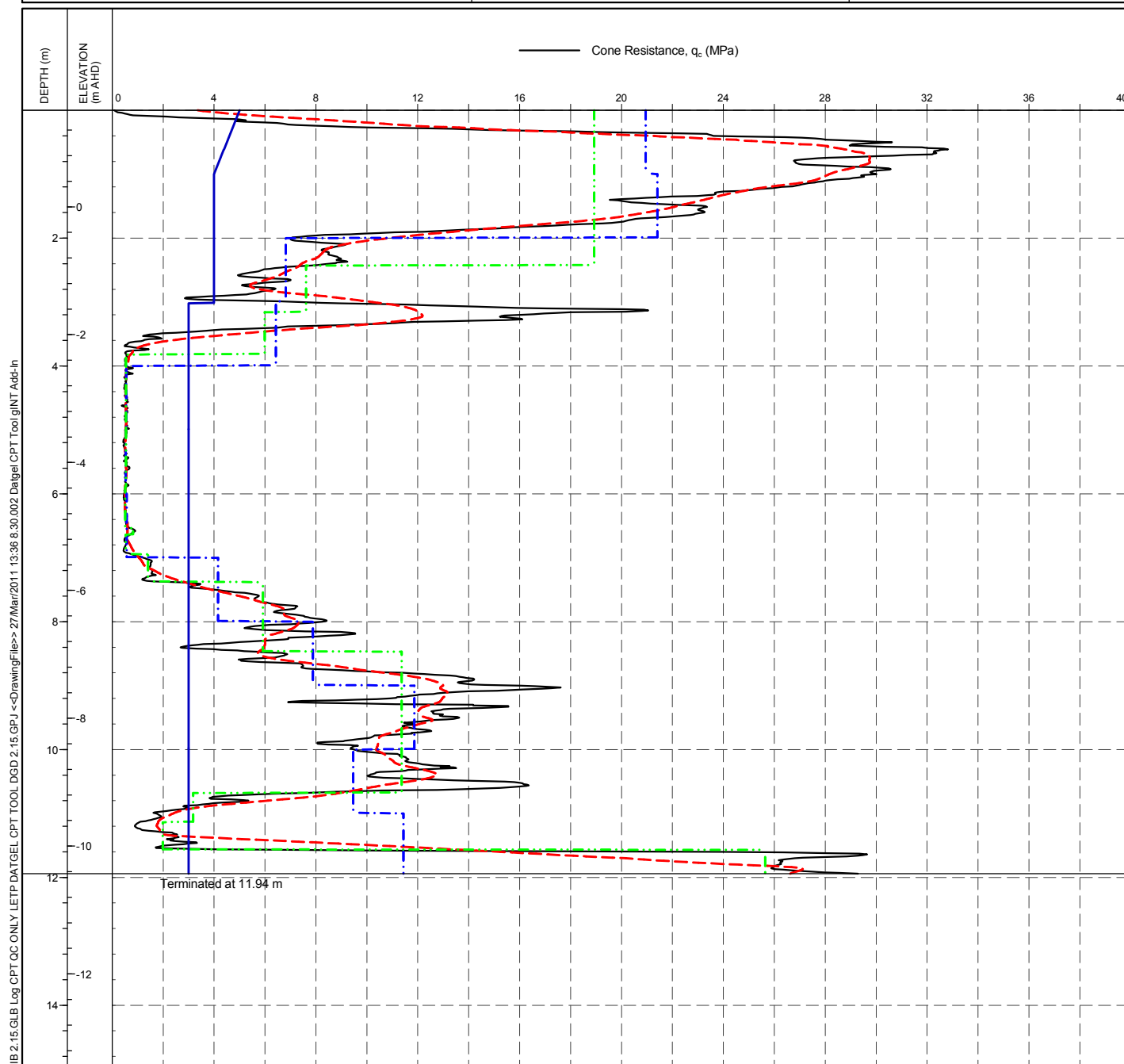
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— qc Moving Average Over 0.5 m
- - qc Stepped Average Over 1 m
... qc Strata Average
— Design Line

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPT QC ONLY LEITP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 13:36 8.30.002 Datgel CPT Tool gINT Add-In

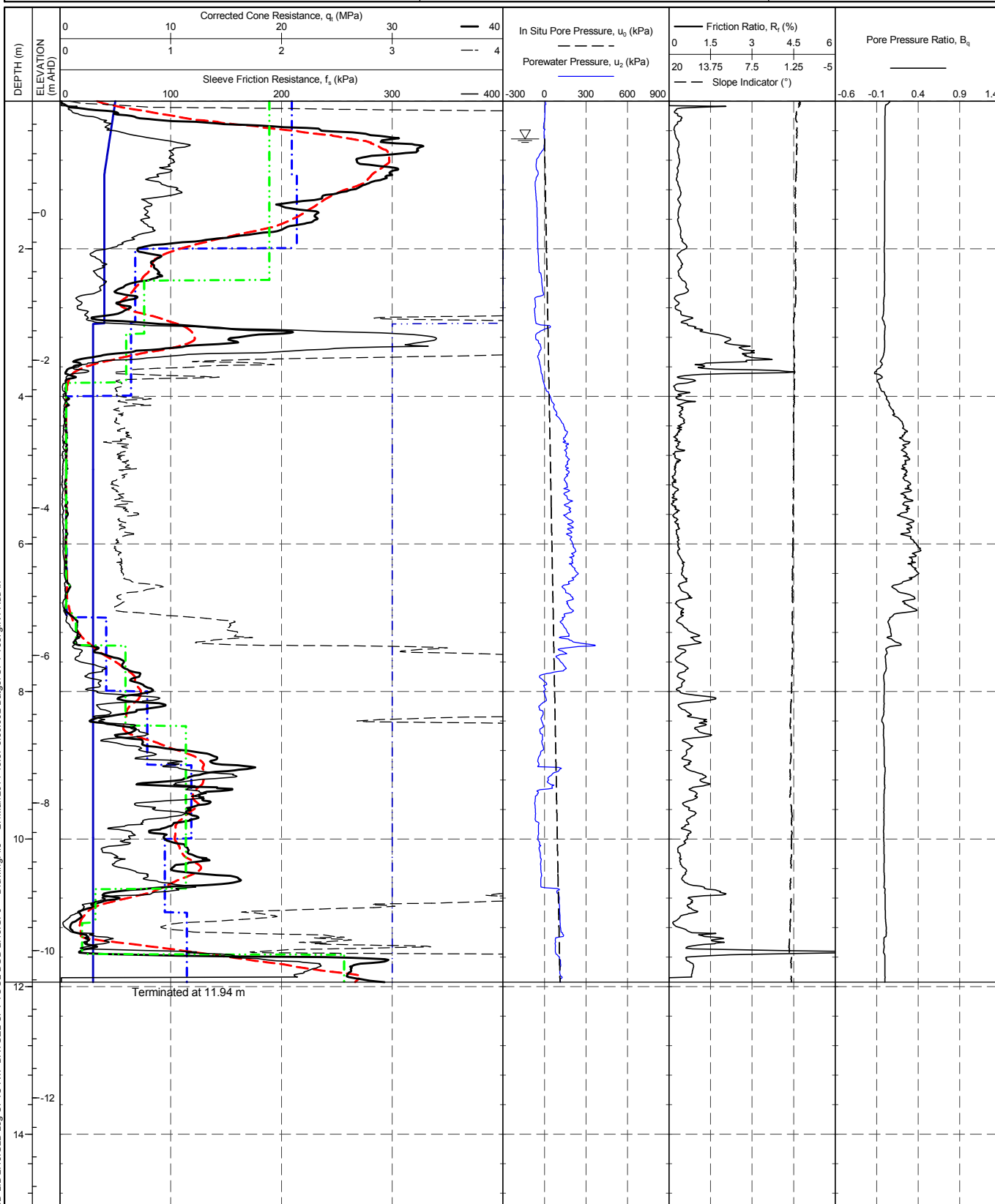
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_t Moving Average Over 0.5 m
- - - q_t Stepped Average Over 1 m
... q_t Strata Average
||| Dissipation Test
--- Design Line

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

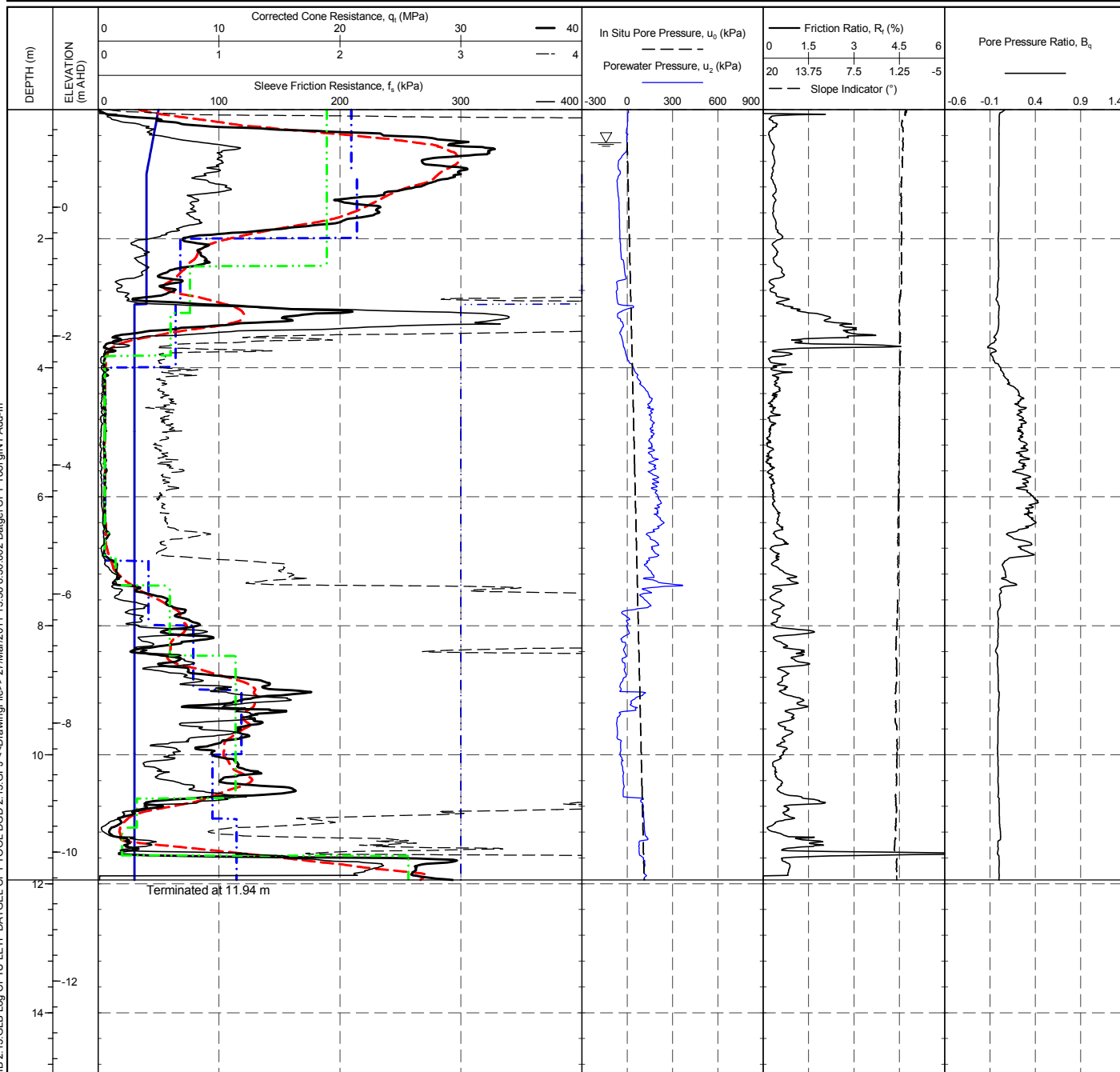
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

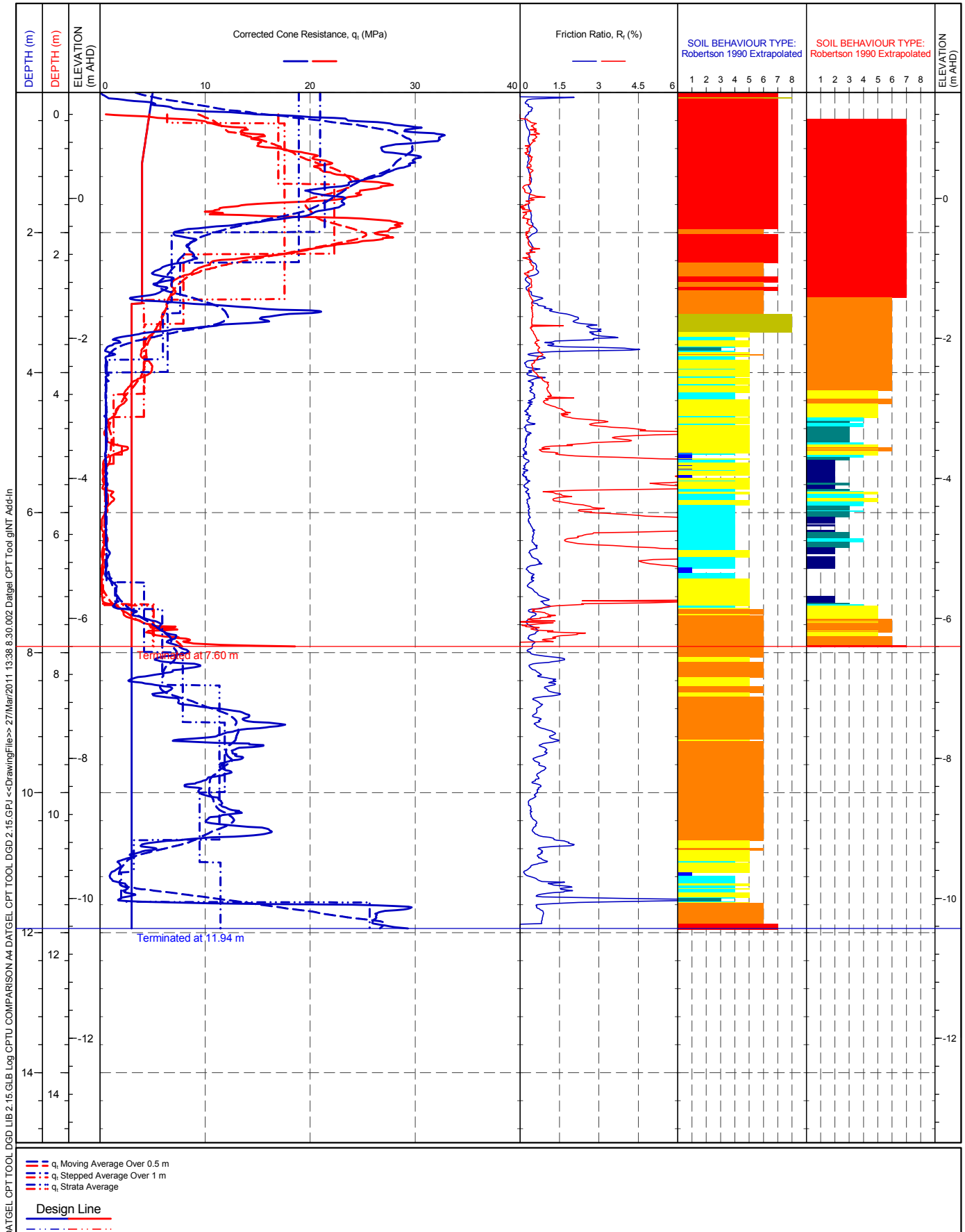
APPROVED DATE : 06/02/2009

- - - q, Moving Average Over 0.5 m
 - - - q, Stepped Average Over 1 m
 . . . q, Strata Average
 ▴ Dissipation Test
 — Design Line

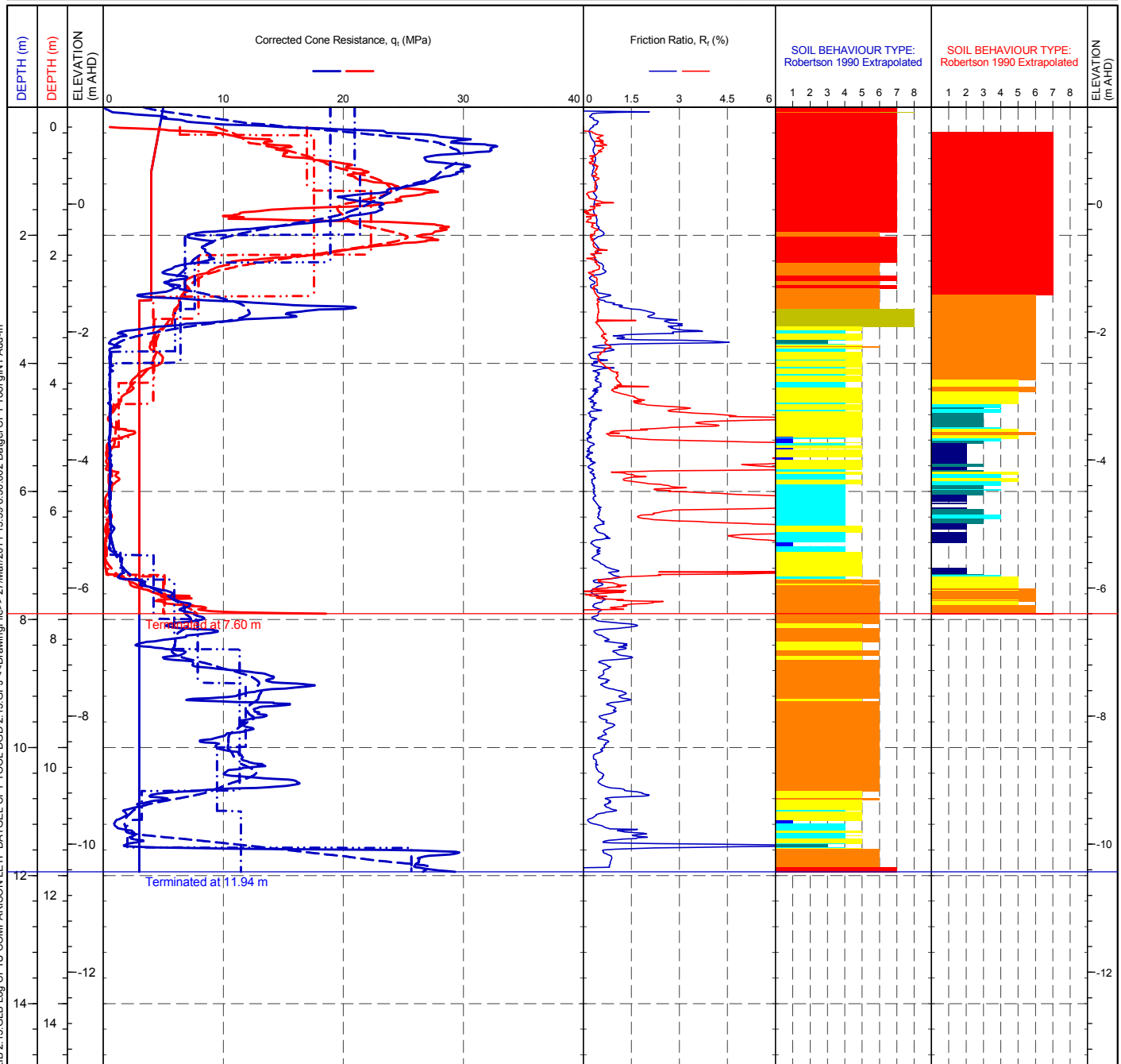
REMARK

A general remark.

	PointID 1	PointID 2
	CPT 05	CPT 04
CLIENT : CPT Client	STATUS : 2	STATUS :
ENGINEER : ABC Engineering	DATE : 23/12/09	DATE : 12/11/08
PROJECT : CPT Tool Project	AREA : Place	AREA : Place
LOCATION : Somewhere	LAYER :	LAYER :
PROJECT No. : 2.15	EASTING : 248139.6 m	EASTING : 248114.9 m
	NORTHING : 1267426.3 m	NORTHING : 1267400.2 m
	ELEVATION : 1.51 m AHD	ELEVATION : 1.20 m AHD



		PointID 1	PointID 2
		CPT 05	CPT 04
CLIENT	: CPT Client	STATUS	: 2
ENGINEER	: ABC Engineering	DATE	: 23/12/09
PROJECT	: CPT Tool Project	AREA	: Place
LOCATION	: Somewhere	LAYER	:
PROJECT No.	: 2.15	EASTING	: 248139.6 m
		NORTHING	: 1267426.3 m
		ELEVATION	: 1.51 m AHD
		STATUS	: 2
		DATE	: 12/11/08
		AREA	: Place
		LAYER	:
		EASTING	: 248114.9 m
		NORTHING	: 1267400.2 m
		ELEVATION	: 1.20 m AHD



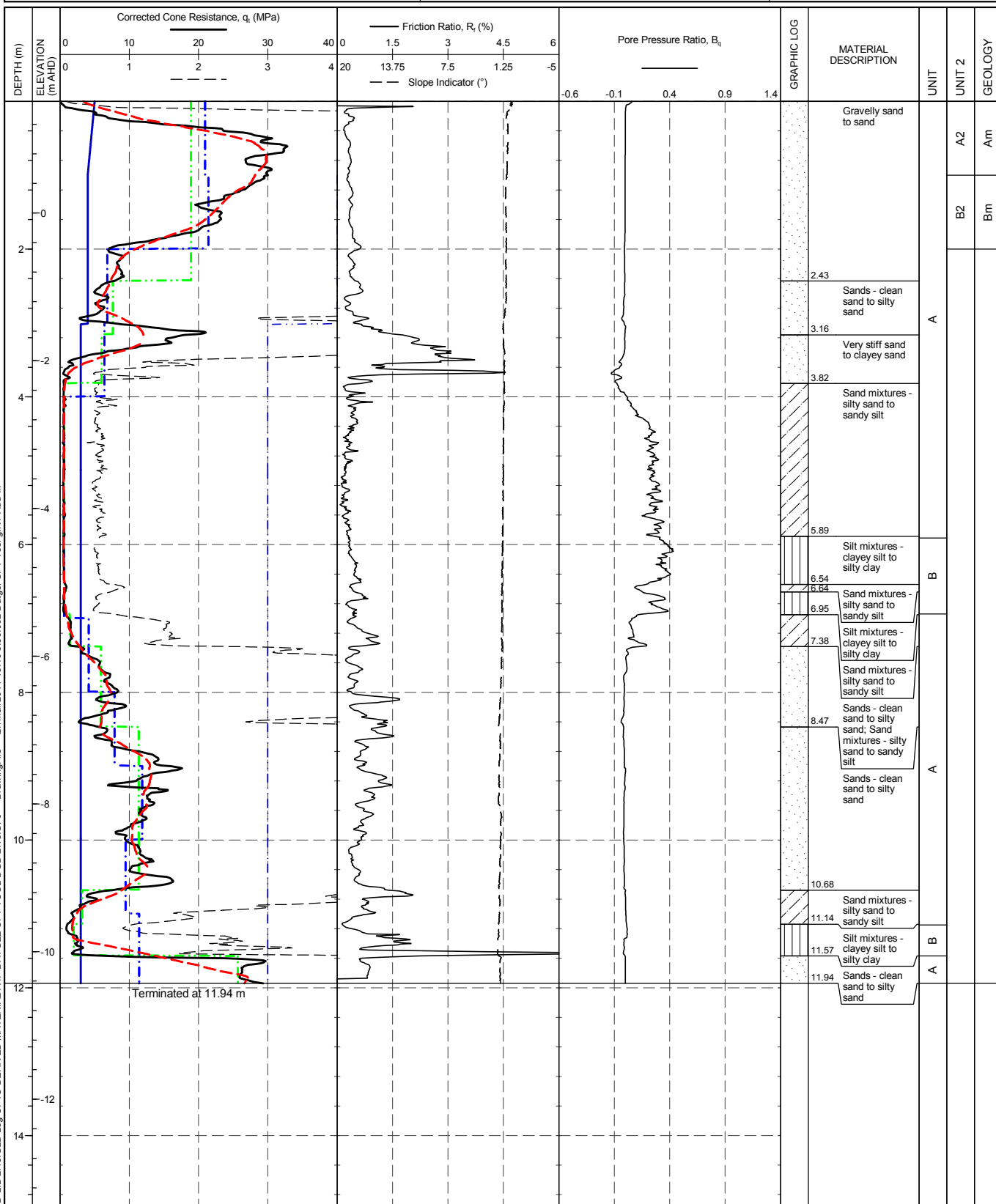
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_t Moving Average Over 0.5 m
- - - q_t Stepped Average Over 1 m
... q_t Strata Average
Dissipation Test
Design Line

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

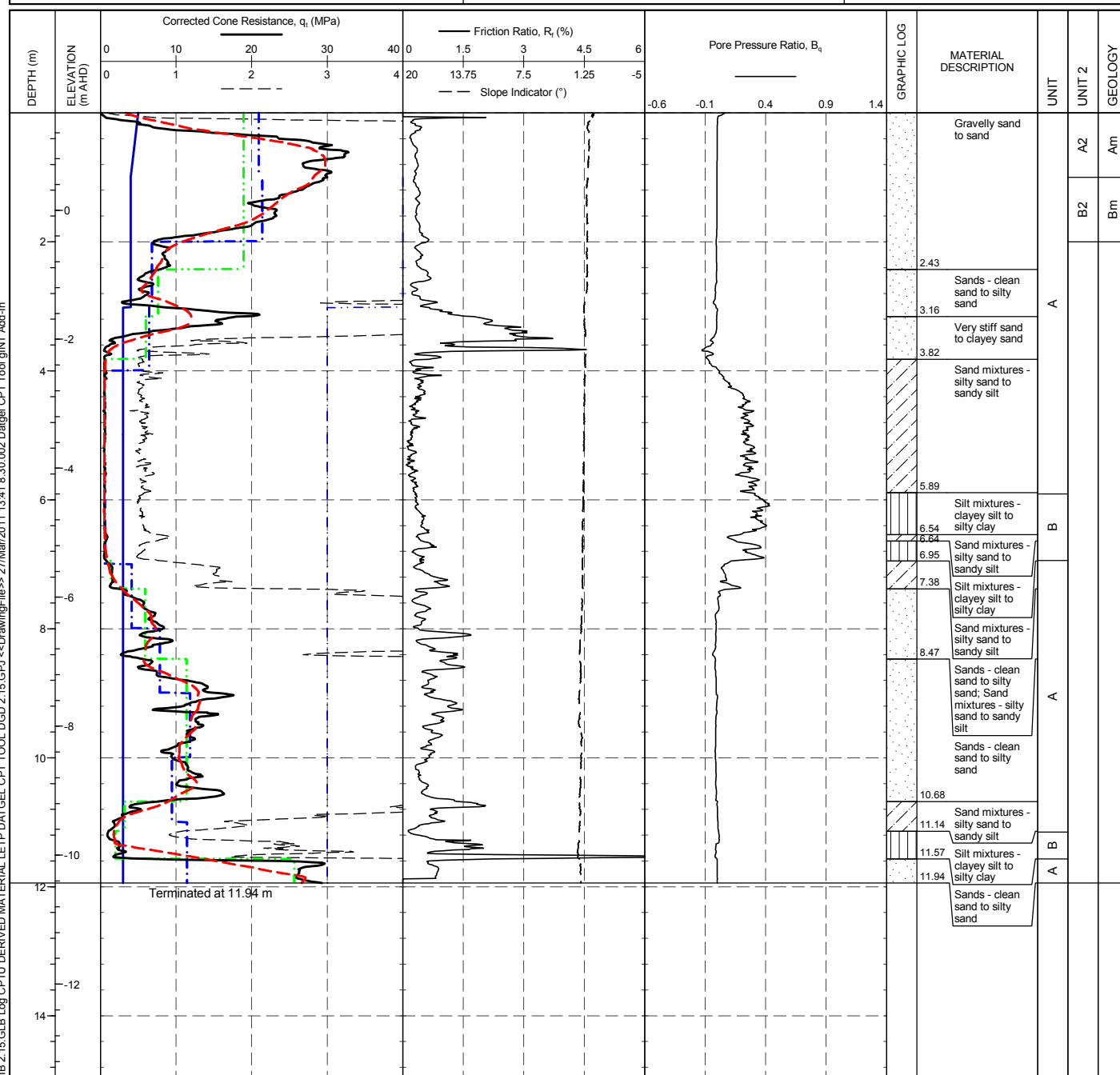
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— q_t Moving Average Over 0.5 m
- - q_t Stepped Average Over 1 m
... q_t Strata Average

Design Line
Dissipation Test

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPTU DERIVED MATERIAL LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:41 8.30.002 Datgel CPT Tool gINT Add-in

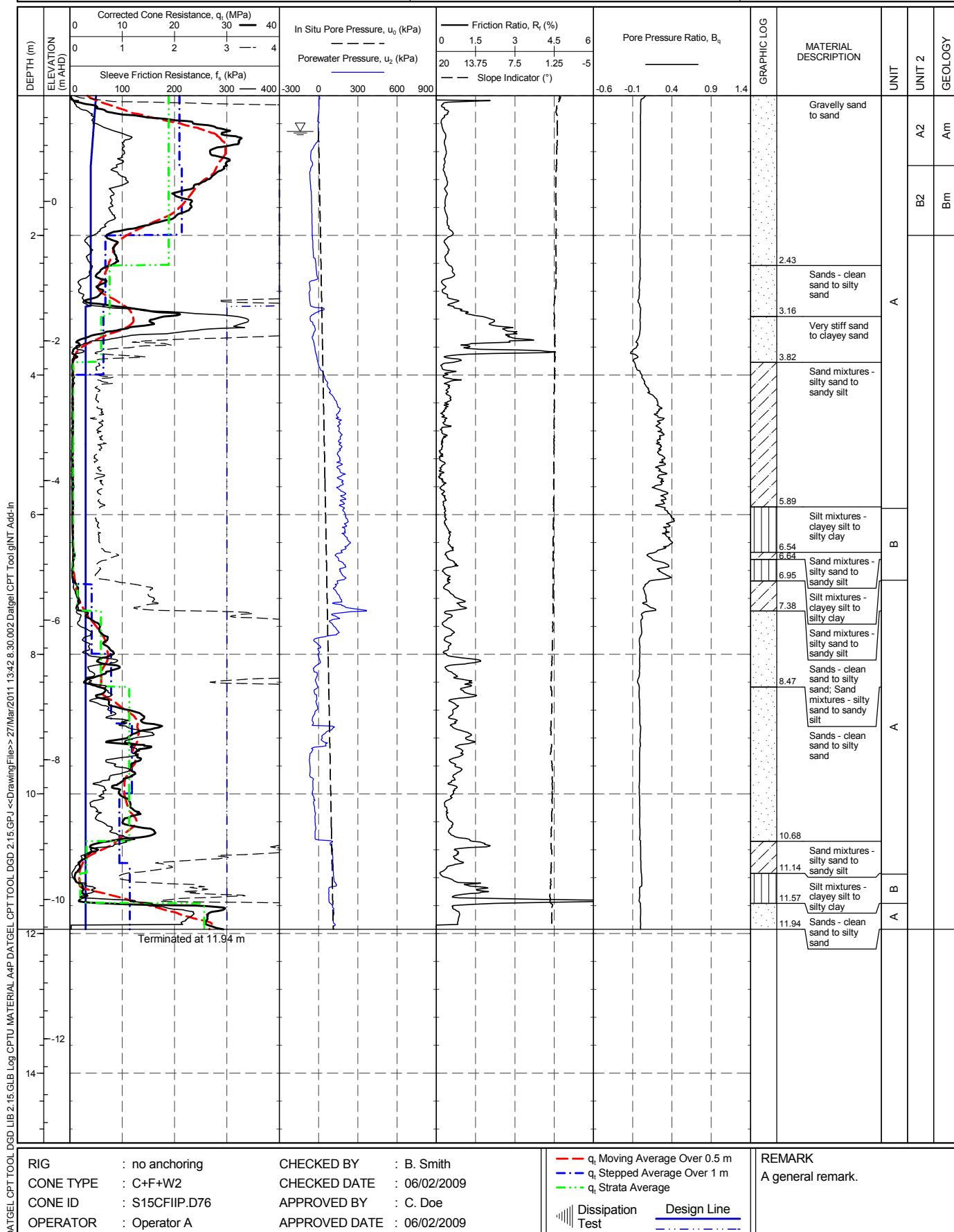
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

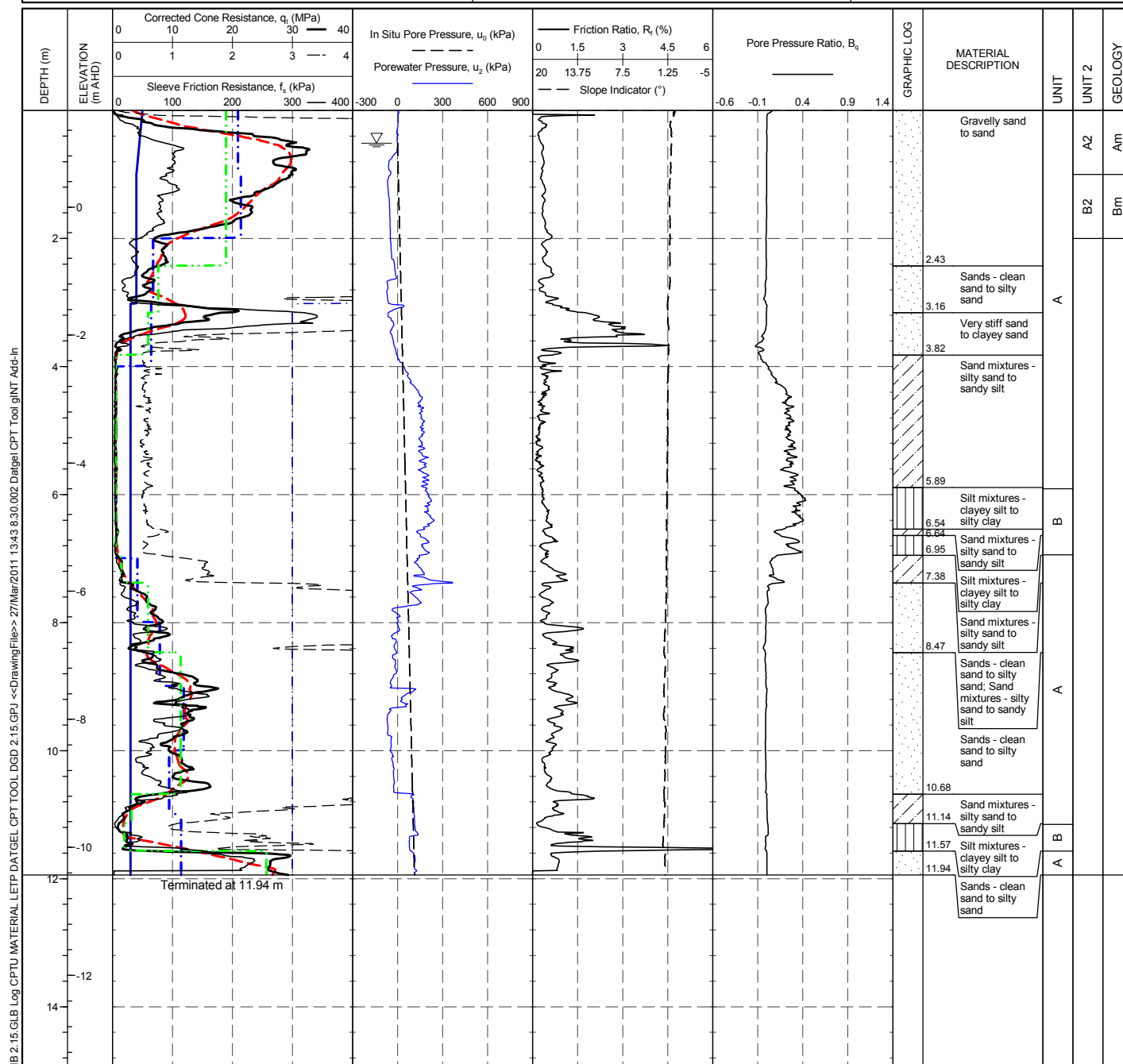
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— q_c Moving Average Over 0.5 m
— q_c Stepped Average Over 1 m
— q_c Strata Average

Design Line
Dissipation Test

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPTU MATERIAL LETP.DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> Z7Mar2011 13:43 8:30.002 Datgel CPT Tool gINT Add-In

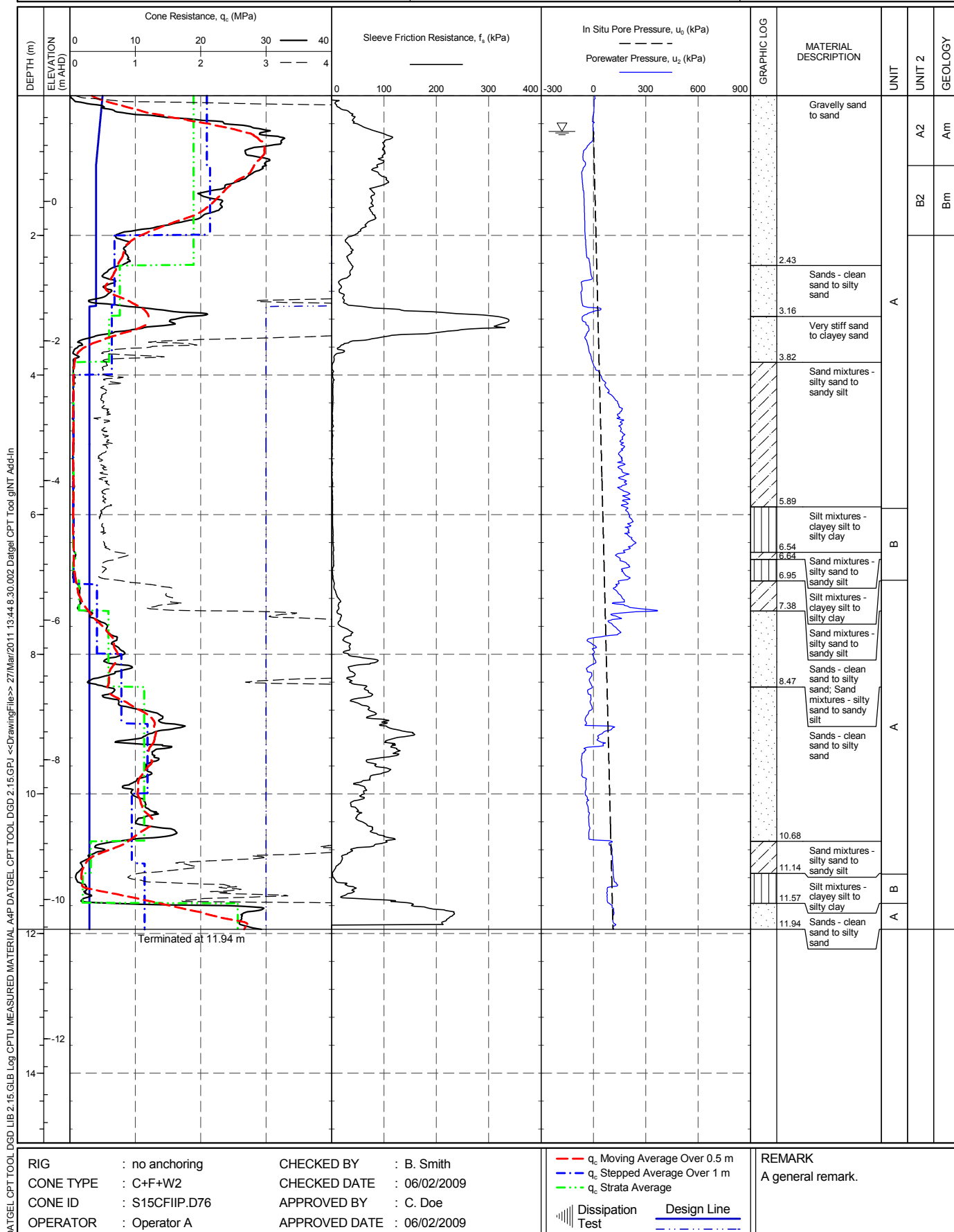
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

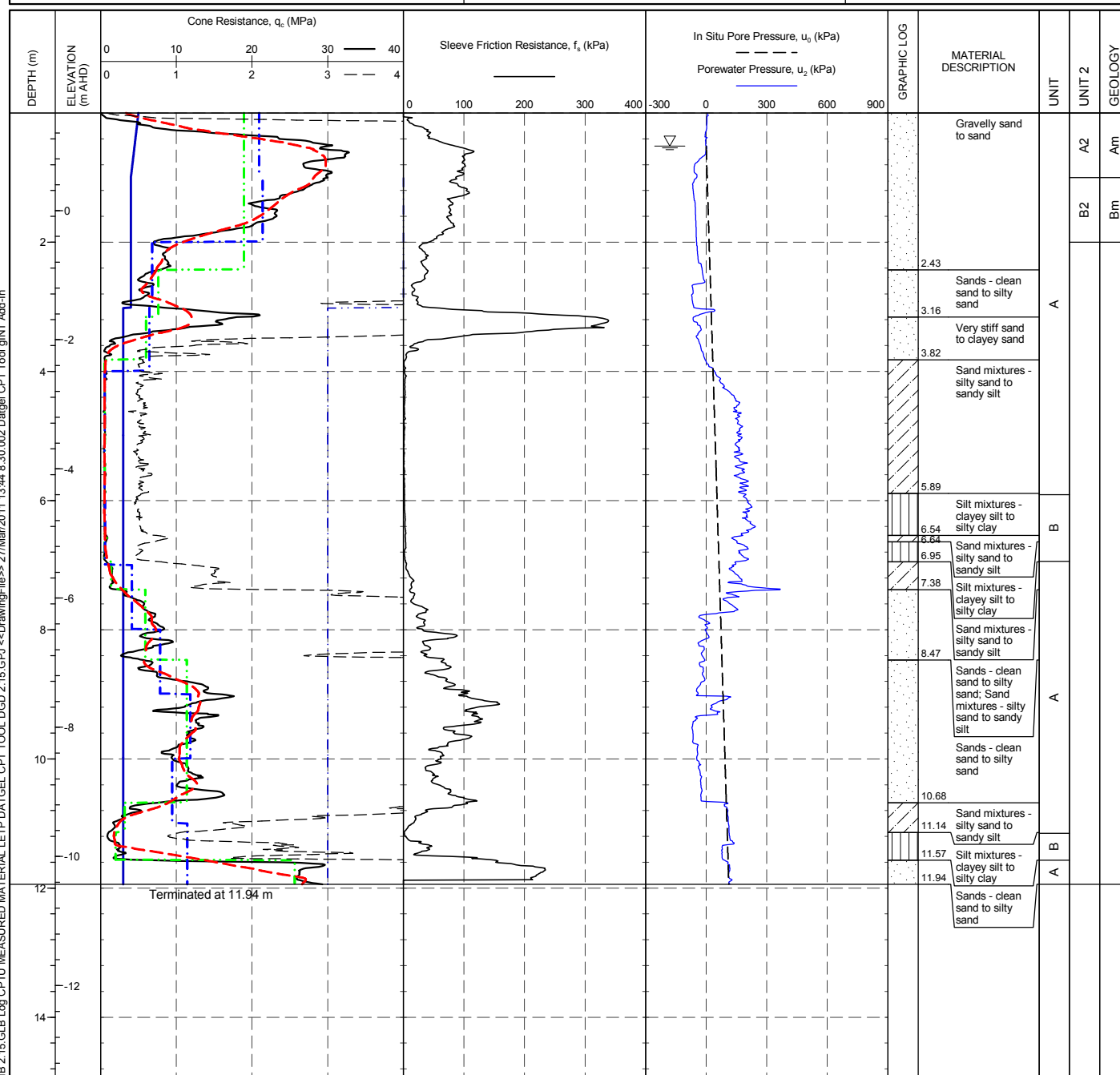
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— q_c Moving Average Over 0.5 m
— q_c Stepped Average Over 1 m
— q_c Strata Average

Dissipation Test

Design Line

REMARK

A general remark.

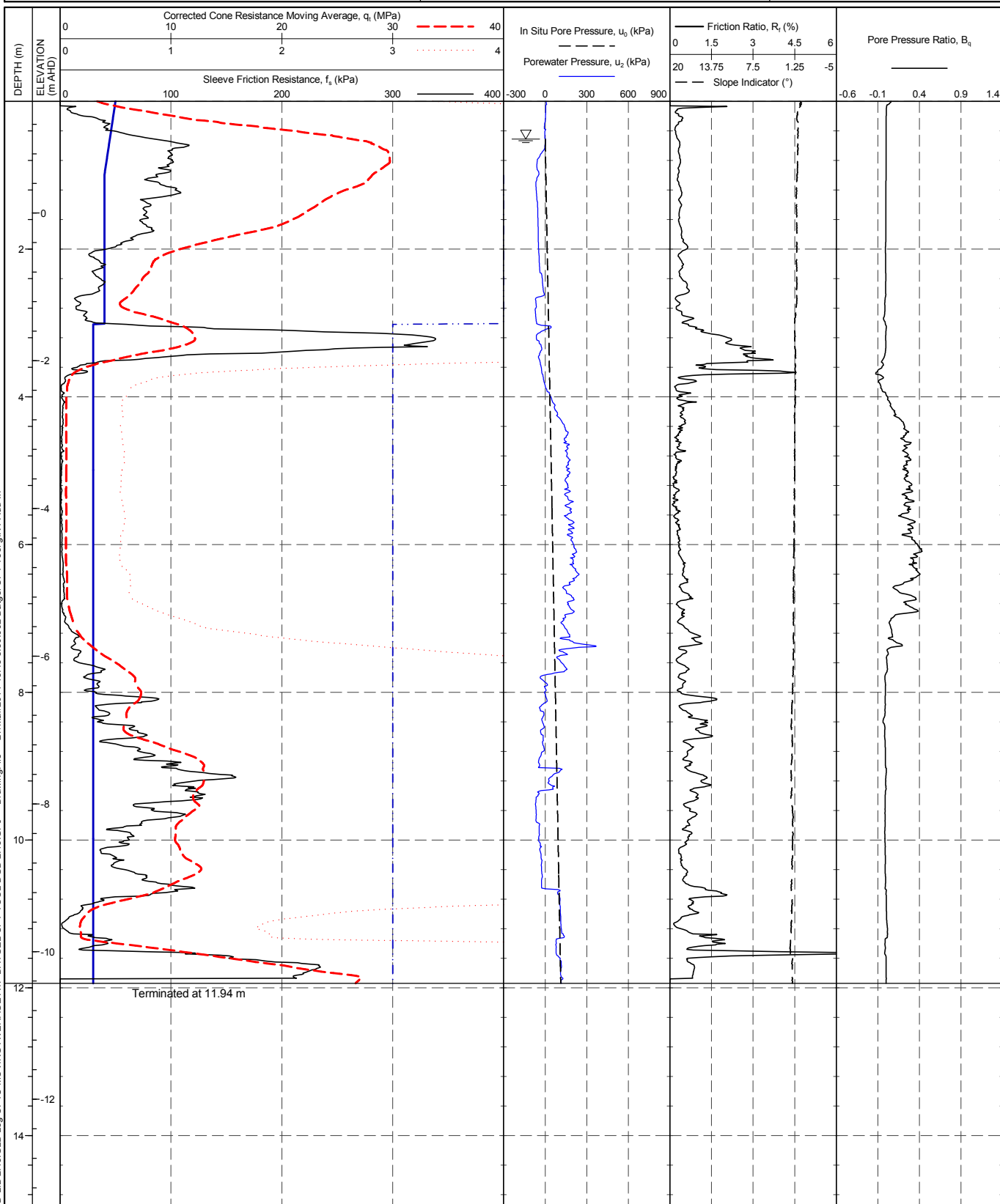
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

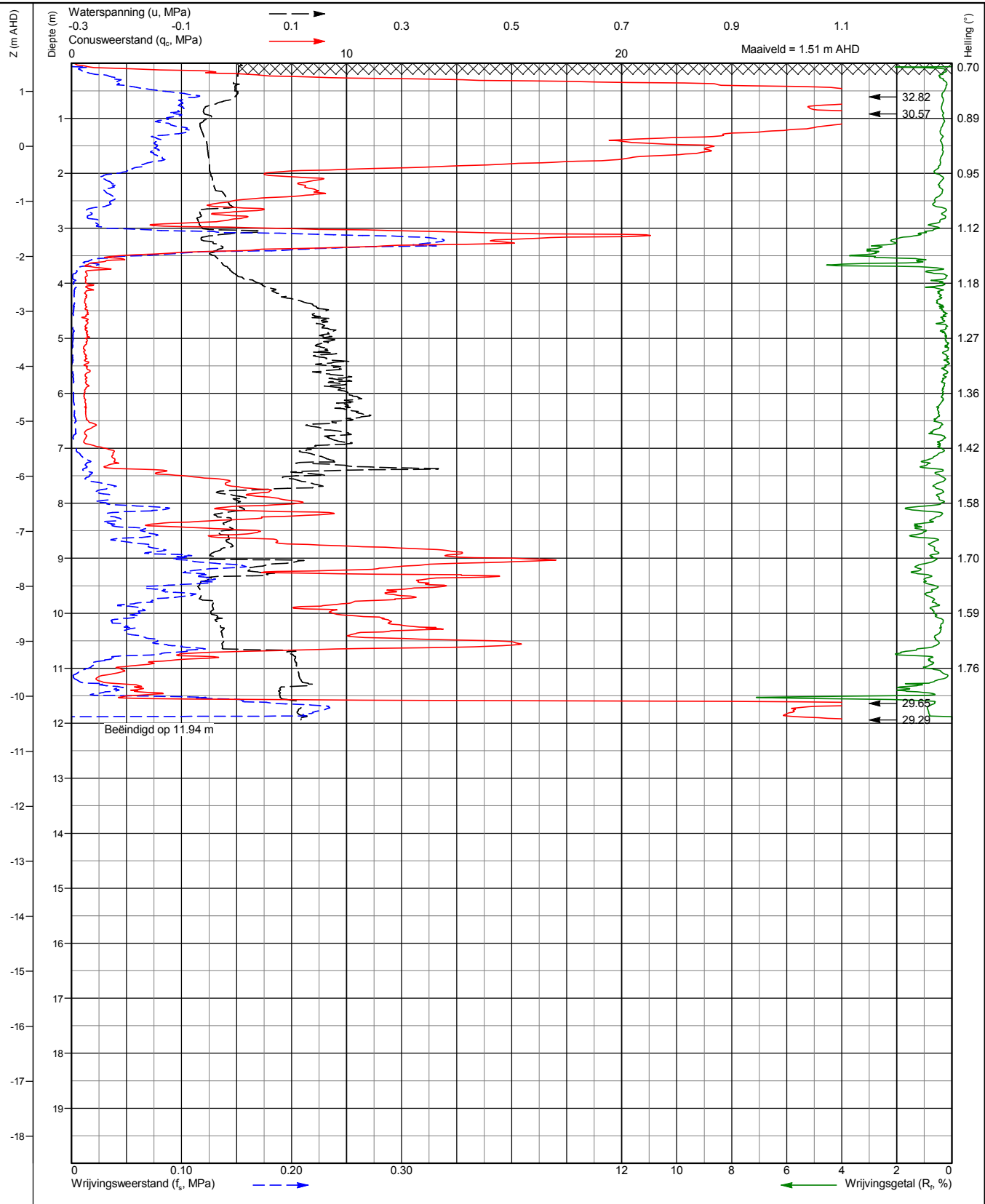
Dissipation
Test

Design Line

REMARK
A general remark.

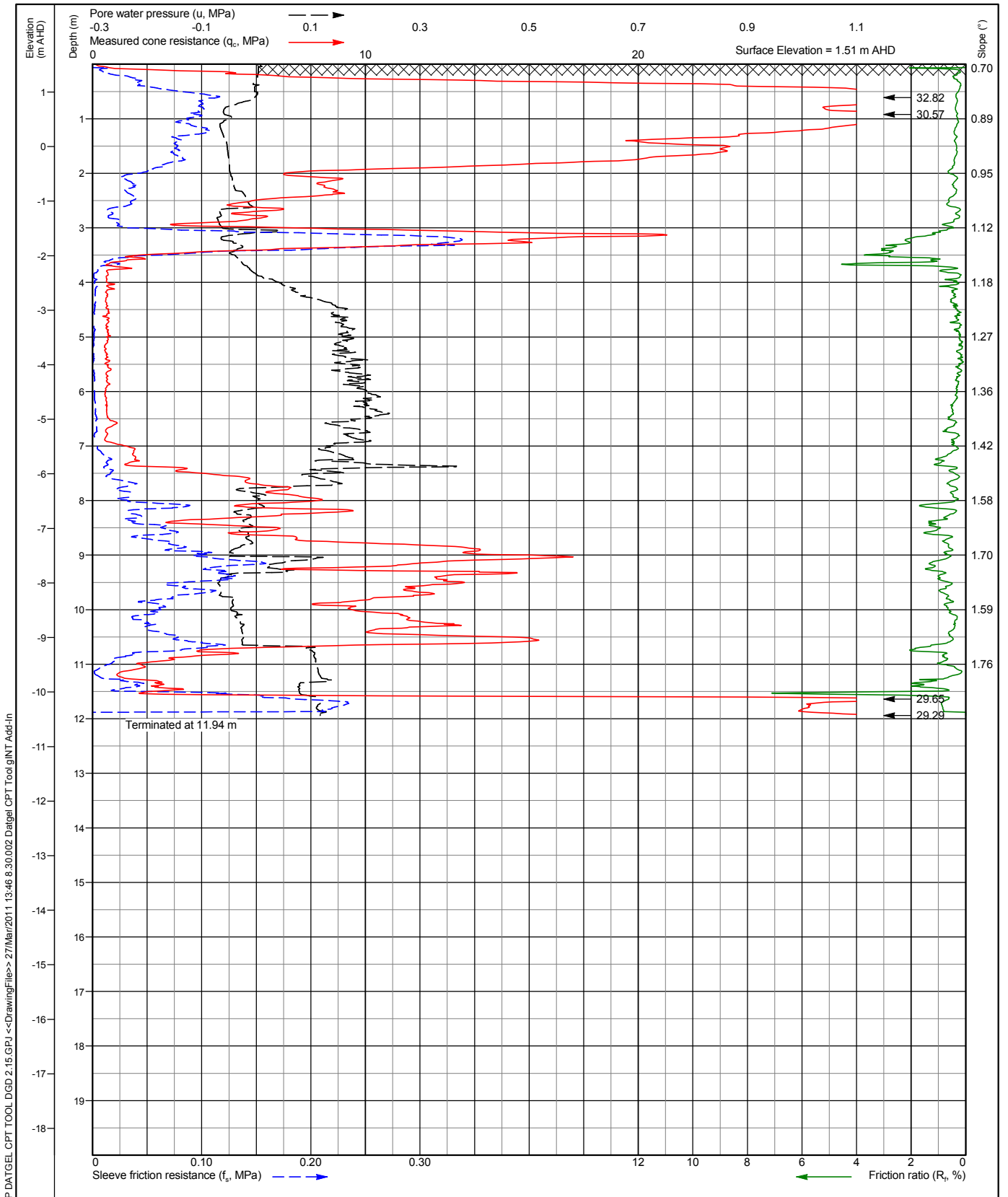
DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPTU MOVING AVERAGE A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:45 8.30.002 Datgel CPT Tool gINT Add-in

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPTU NL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:45 8.30.002 Datgel CPT Tool gINT Add-In



Projectnummer : 2.15		Opdrachtgever : CPT Client		Sondering : CPT 05	
Projectomschrijving : CPT Tool Project				Conusnr : S15CFIIP.D76	
Projectplaats : Somewhere		Status : 2		Conustype : 0	
		Datum : 27/03/2011		Conusserie : ABC	
		Coord. : E 248139.6 m N 1267426.3 m MGA94			
		Norm : NEN5140			

Form Number: RL



DATGEL CPT TOOL DGD LIB 2.15 GLB Log CPTU NL EN A&P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:46 8.30002 Datgel CPT Tool gINT Add-In

Project Number : 2.15		Client : CPT Client		PointID : CPT 05	
Project Name : CPT Tool Project				ConeID : S15CFIIP.D76	
Project Location : Somewhere		Status : 2		Cone Type : 0	
		Date : 27/03/2011		Cone Series : ABC	
		Coords. : E 248139.6 m N 1267426.3 m MGA94			
		Method : NEN5140			

Form Number: RL

PointID

CPT 05

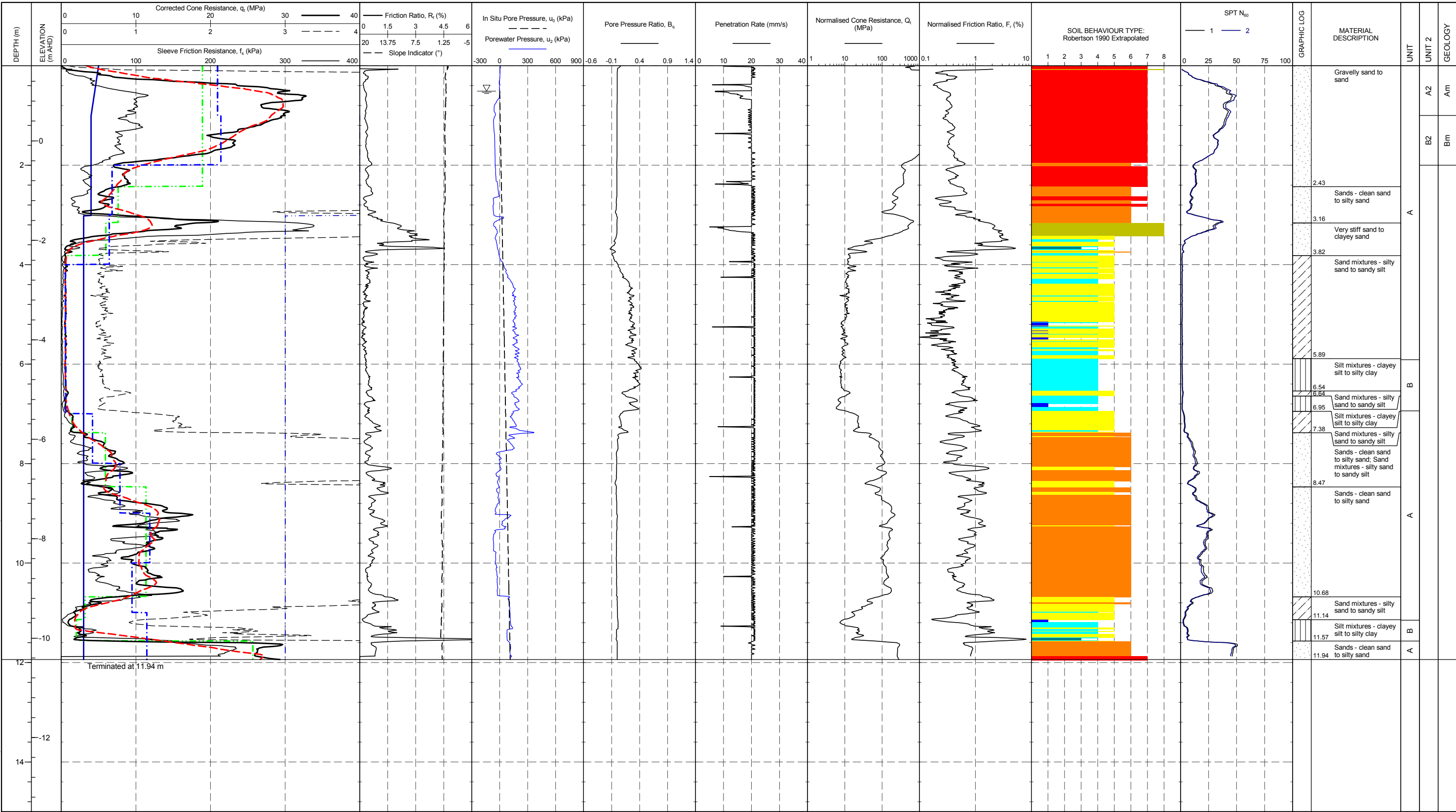
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

- 1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q, Moving Average Over 0.5 m
--- q, Stepped Average Over 1 m
--- q, Strata Average
||| Dissipation Test
--- Design Line

REMARK
A general remark.

DATGEL CPT TOOL DGD LIB 2.15 GLB Log CPTU NORMALISED N60 A3L DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 13:47 8.30.002 Datgel CPT Tool gINT Add-In

PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

- 1 - Sensitive, fine grained

2 - Organic soil - peats

3 - Clays - clay to silty clay

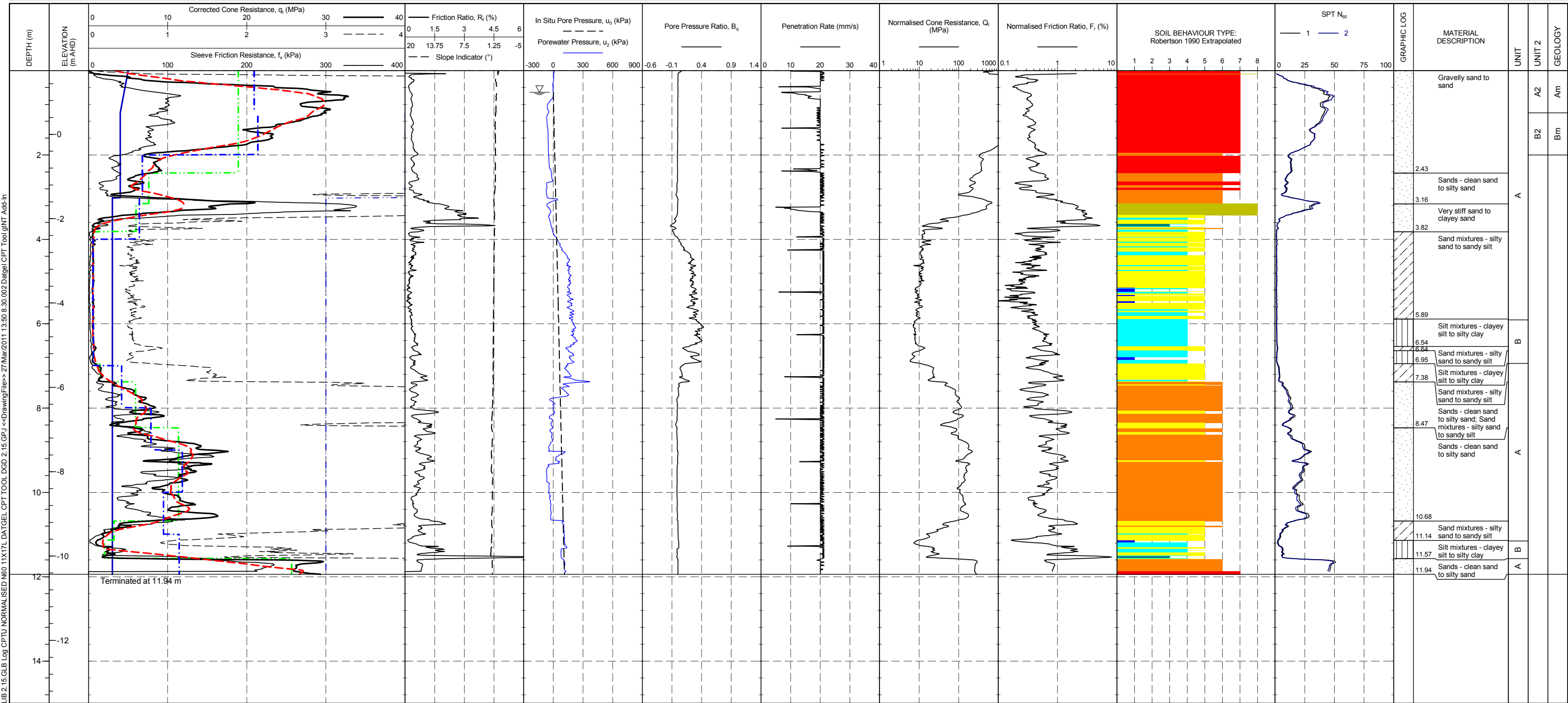
4 - Silt mixtures - clayey silt to silty clay
- 5 - Sand mixtures - silty sand to sandy silt

6 - Sands - clean sand to silty sand

7 - Gravelly sand to sand

8 - Very stiff sand to clayey sand
- 9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_c Moving Average Over 0.5 m
--- q_c Stepped Average Over 1 m
--- q_c Strata Average

Design Line

Dissipation Test

REMARK

A general remark.

PointID

CPT 05

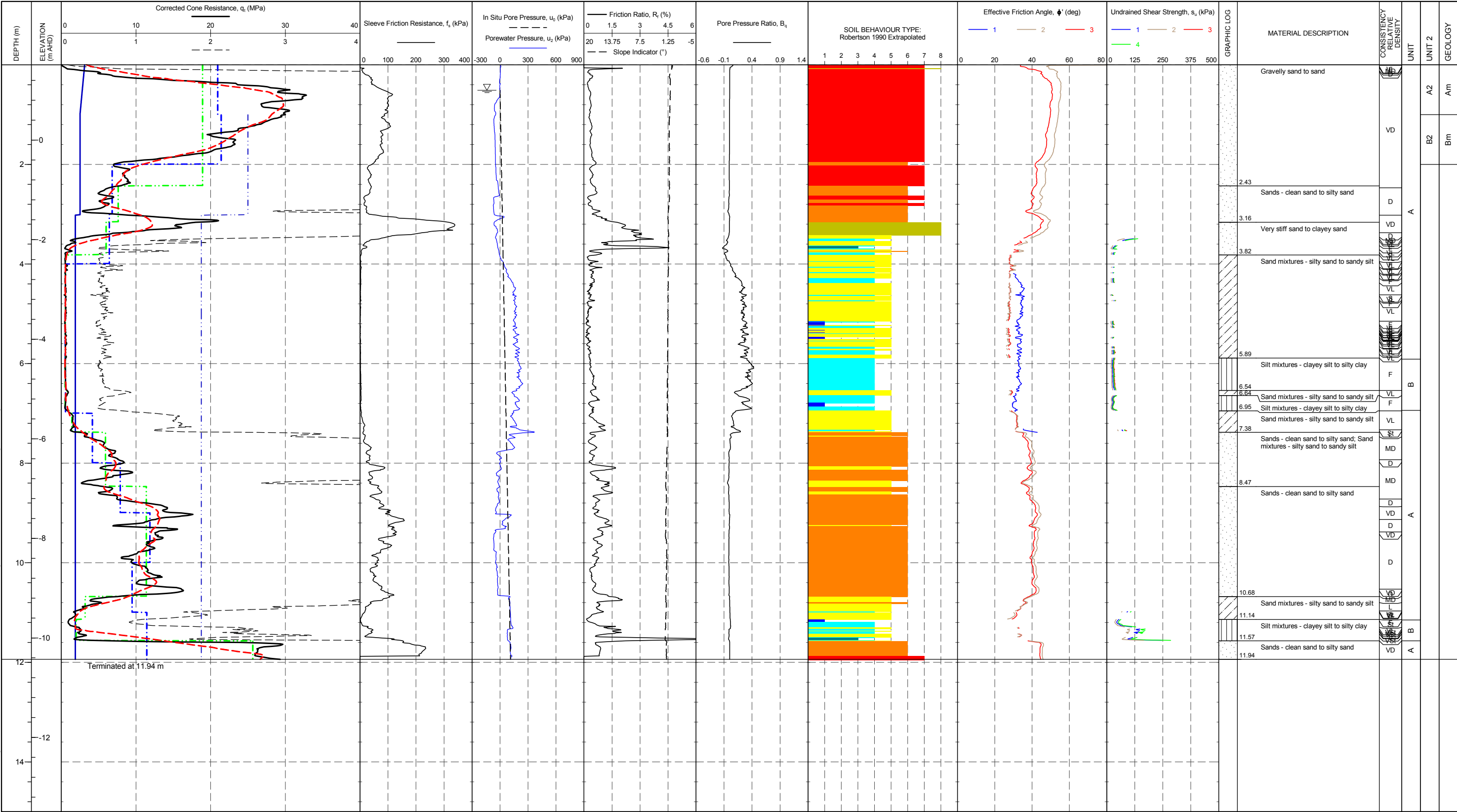
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS.: MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

- 1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q, Moving Average Over 0.5 m
- - - q, Stepped Average Over 1 m
... q, Strata Average
||| Dissipation
Test
Design Line

Effective Friction Angle Method:
1. Senneset et al. (1988 & 1989); Mayne & Campanella (2005)
2. Robertson & Campanella (1983)
3. Kulhawy & Mayne (1990)

Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-2} - \sigma_{v0})/N_{60}$; or $(q_c \cdot 10^{-2} - \sigma_{v0})/N_k$
2. $s_u = (q_c \cdot 10^{-2})/N_{60}$; or $(q_c \cdot 10^{-2})/N_k$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK
A general remark.

DATGEL CPT TOOL DGD LIB 2.15 GLB Log CPTU PHI ASL DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFiles> 27/Mar/2011 13:51 8.30.002 Datgel CPT Tool gINT Add-In

PointID

CPT 05

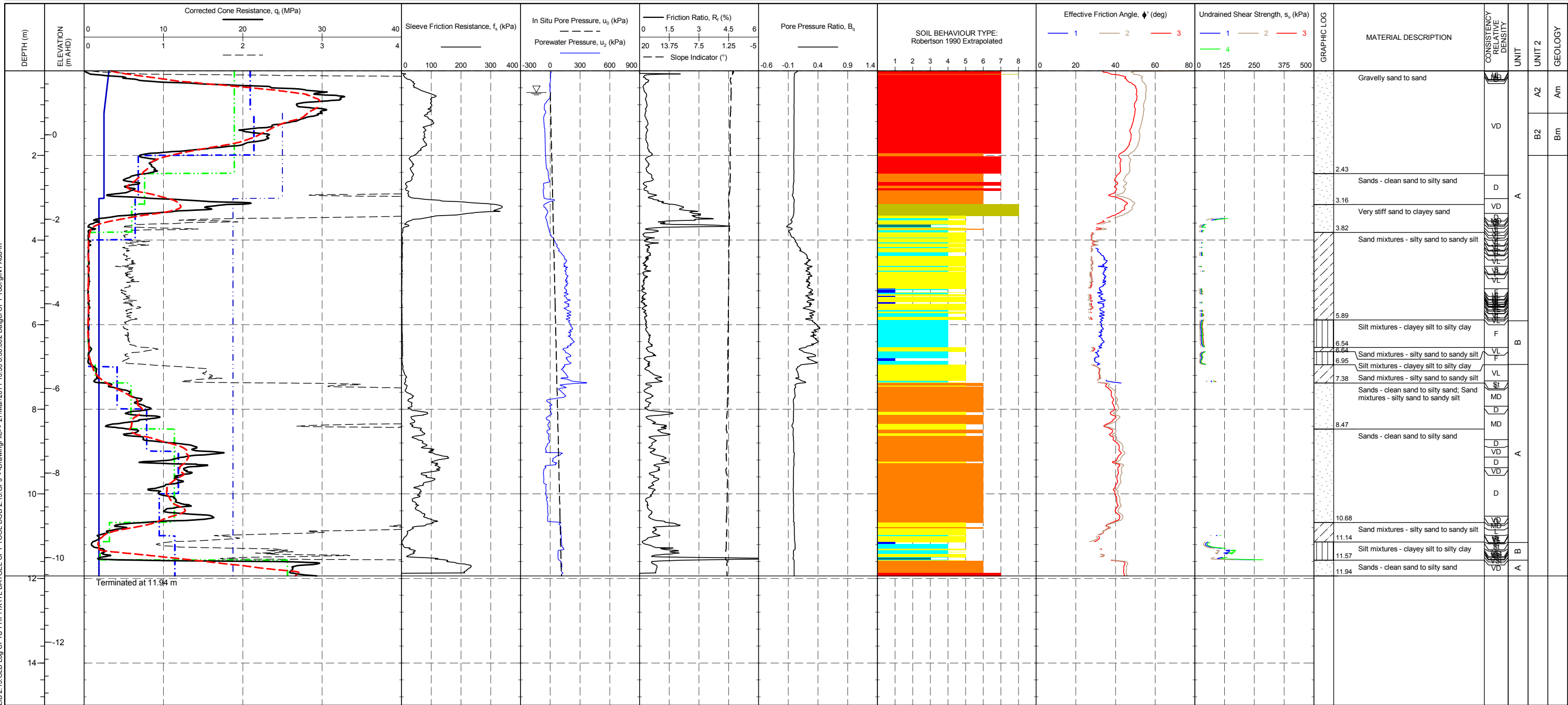
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

- 1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_c Moving Average Over 0.5 m
--- q_c Stepped Average Over 1 m
--- q_c Strata Average

Design Line

Dissipation Test

Effective Friction Angle Method:
1. Senne set et al. (1988 & 1989); Mayne & Campanella (2005)
2. Robertson & Campanella (1983)
3. Kulhaw y & Mayne (1990)

Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-2} - \sigma_{vc})/N_k$; or $(q_c \cdot 10^{-2} - \sigma_{vc})/N_k$
2. $s_u = (q_c \cdot 10^{-2})/N_{kv}$; or $(q_c \cdot 10^{-2})/N_k$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK

A general remark.

PointID

CPT 05

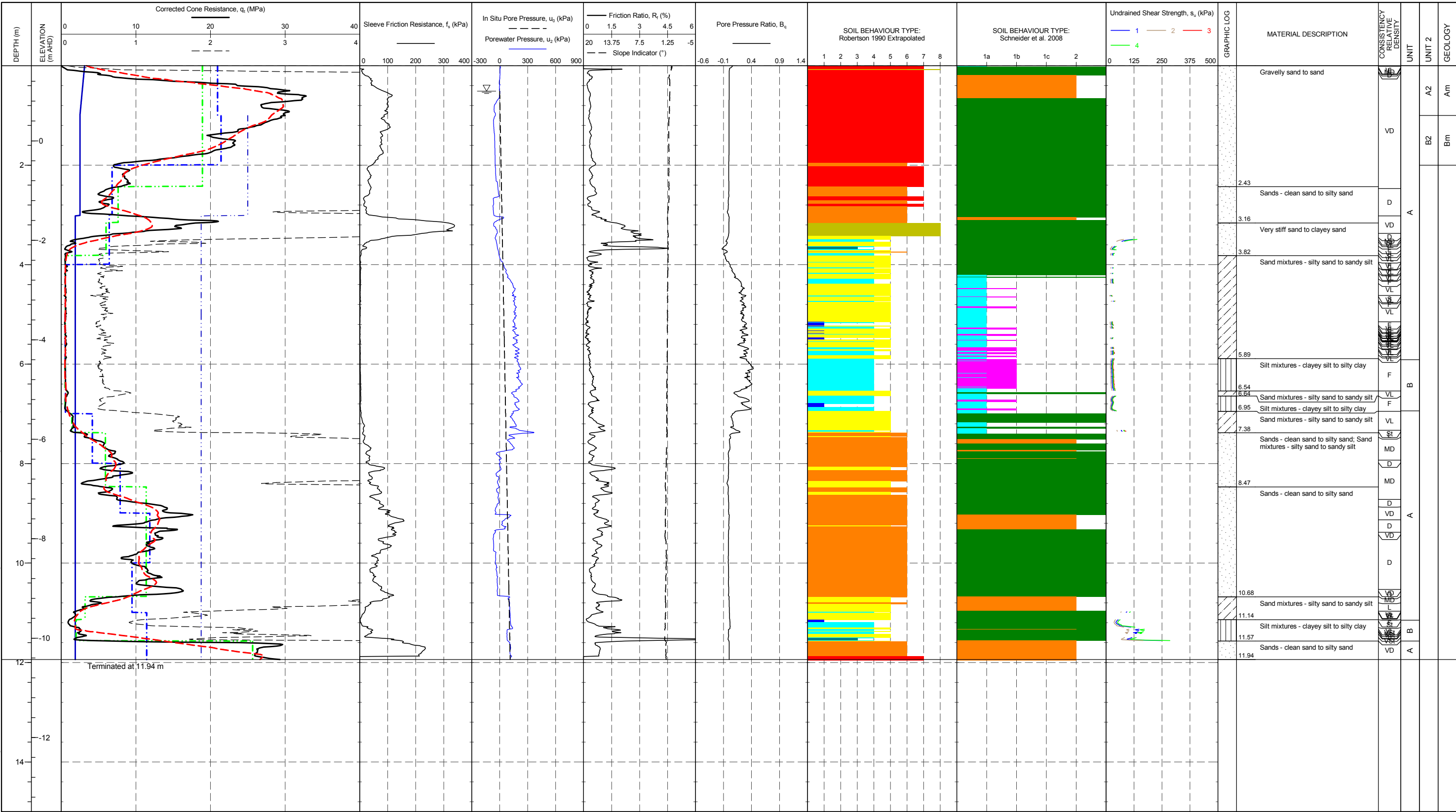
CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS.: MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_t Moving Average Over 0.5 m
--- q_t Stepped Average Over 1 m
--- q_t Strata Average
Dissipation Test
Design Line

METHOD: Schneider et al. 2008
1a - Silts and 'Low Ir' CLAYS
1b - CLAYS
1c - Sensitive CLAYS
2 - Essentially drained SANDS
3 - Transitional soils

Undrained Shear Strength Method:
1. $s_u = (q_t \cdot 10^{-2} - \sigma'_v) / N_{k1}$; or $(q_t \cdot 10^{-2} - \sigma'_v) / N_{k2}$
2. $s_u = (q_t \cdot 10^{-2}) / N_{k1}$; or $(q_t \cdot 10^{-2}) / N_{k2}$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

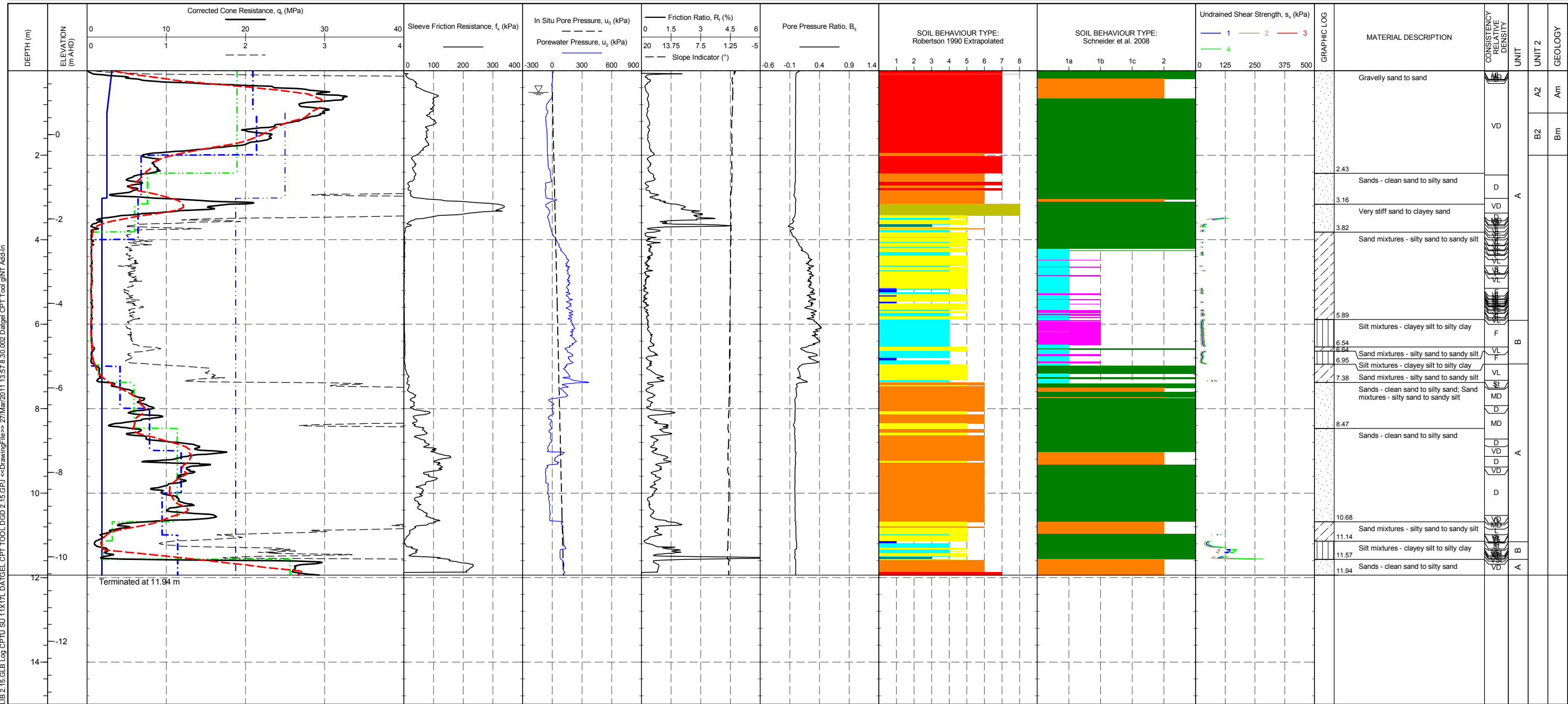
METHOD: Robertson 1990

1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay

5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand

9 - Very stiff fine grained

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_c Moving Average Over 0.5 m
--- q_c Stepped Average Over 1 m
--- q_c Strata Average

Dissipation Test

Design Line

METHOD: Schneider et al. 2008

1a - Silts and 'Low Ic' CLAYS
1b - CLAYS
1c - Sensitive CLAYS
2 - Essentially drained SANDS
3 - Transitional soils

Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-3} - \sigma_{vm})/N_{60}$ or $(q_c \cdot 10^{-3} - \sigma_{vm})/N_{60}$
2. $s_u = (q_c \cdot 10^{-3})/N_{60}$ or $(q_c \cdot 10^{-3})/N_{60}$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK

A general remark.

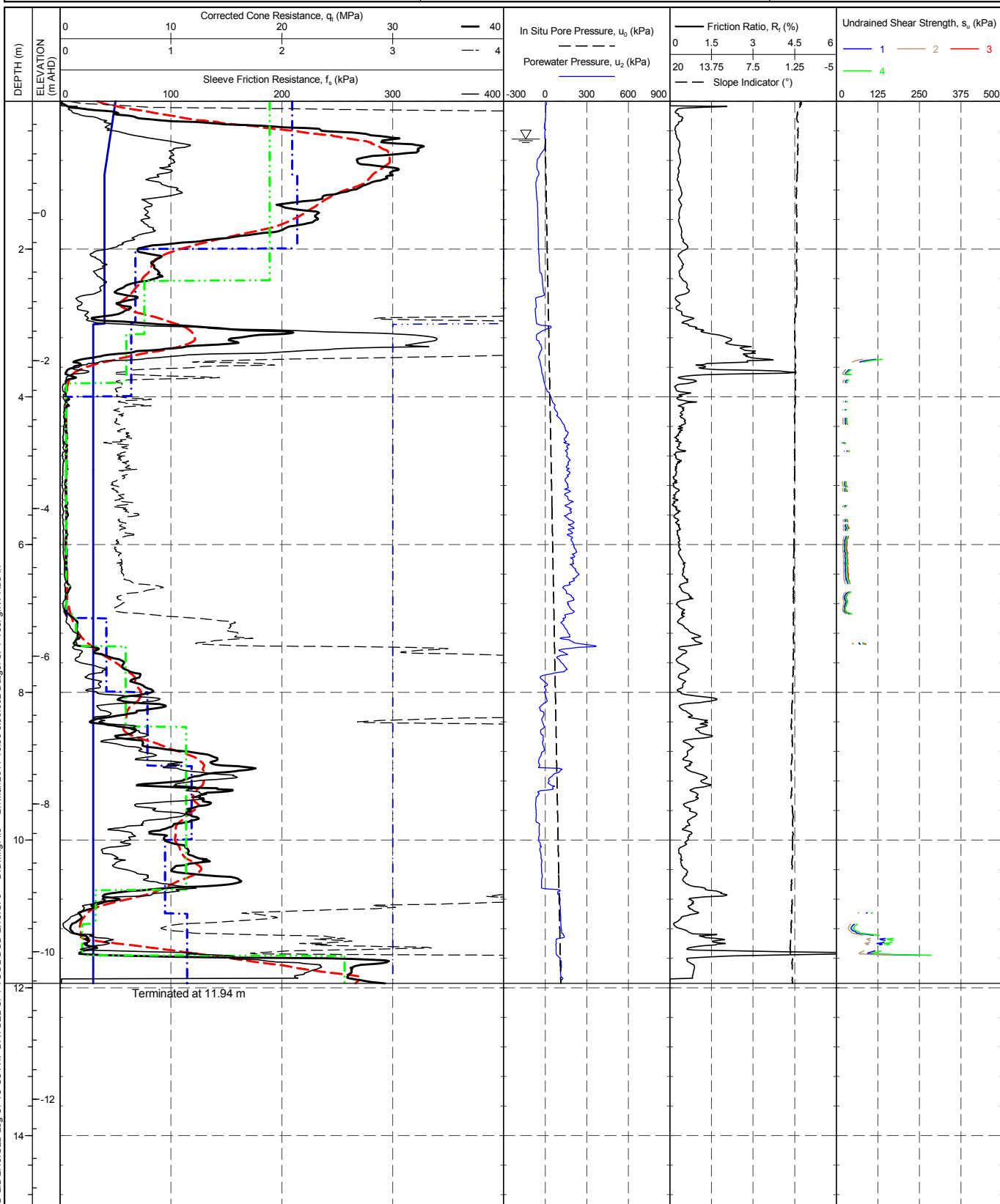
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_t Moving Average Over 0.5 m
- - - q_t Stepped Average Over 1 m
... q_t Strata Average
||| Dissipation Test
--- Design Line

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248139.6 m

NORTHING : 1267426.3 m

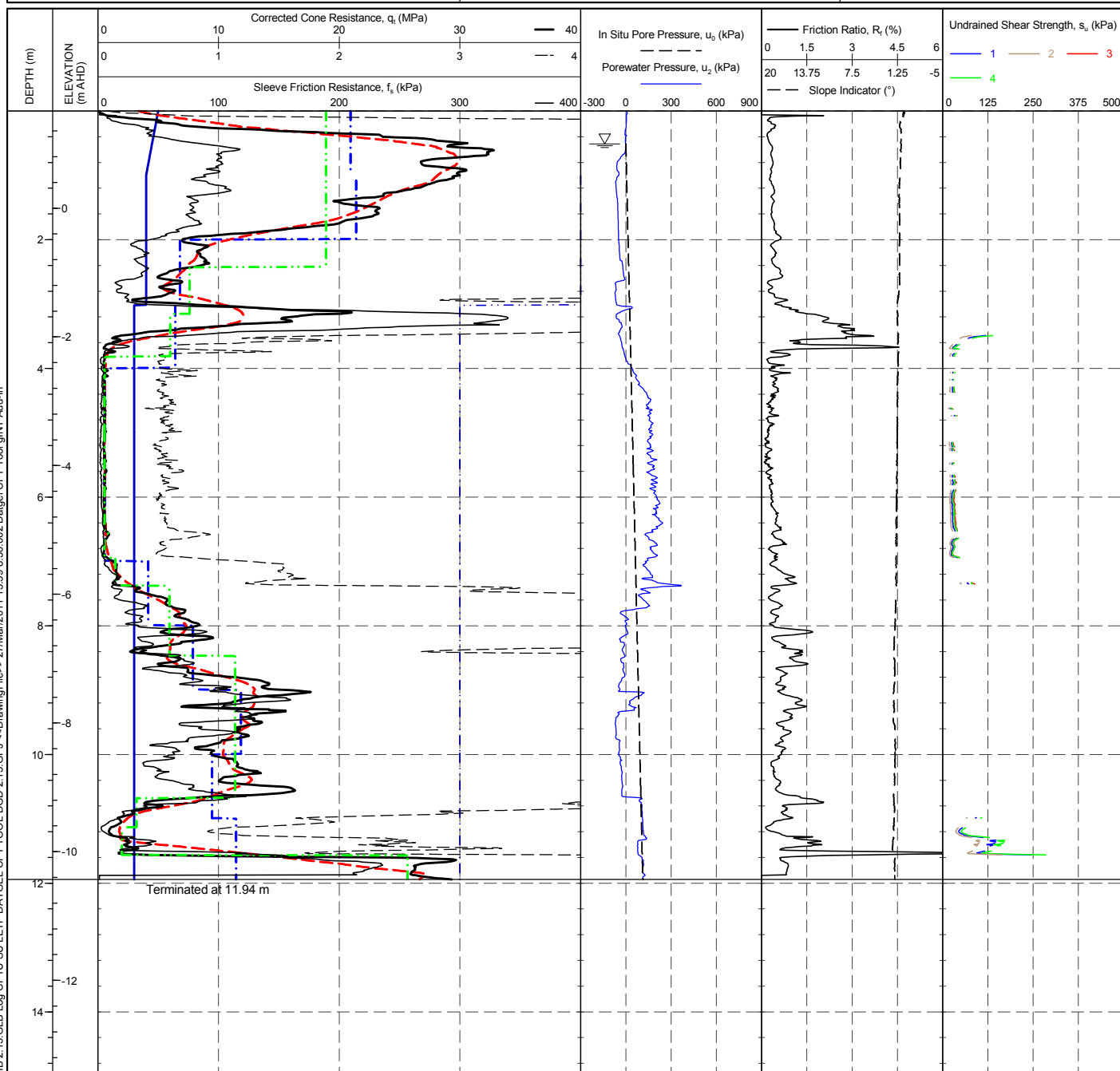
COORD. SYS. : MGA94 56

ELEVATION : 1.51 m AHD

SHEET : 1 OF 1

STATUS : 2

DATE : 23/12/2009



RIG : no anchoring

CONE TYPE : C+F+W2

CONE ID : S15CFIIP.D76

OPERATOR : Operator A

CHECKED BY : B. Smith

CHECKED DATE : 06/02/2009

APPROVED BY : C. Doe

APPROVED DATE : 06/02/2009

— q_1 Moving Average Over 0.5 m
— q_1 Stepped Average Over 1 m
— q_1 Strata Average

— Dissipation Test

— Design Line

REMARK

A general remark.

DATGEL CPT TOOL DGD LIB 2.15.GLB Log CPTU SU LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 13:59.8.30.002 Datgel CPT Tool gINT Add-In

PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

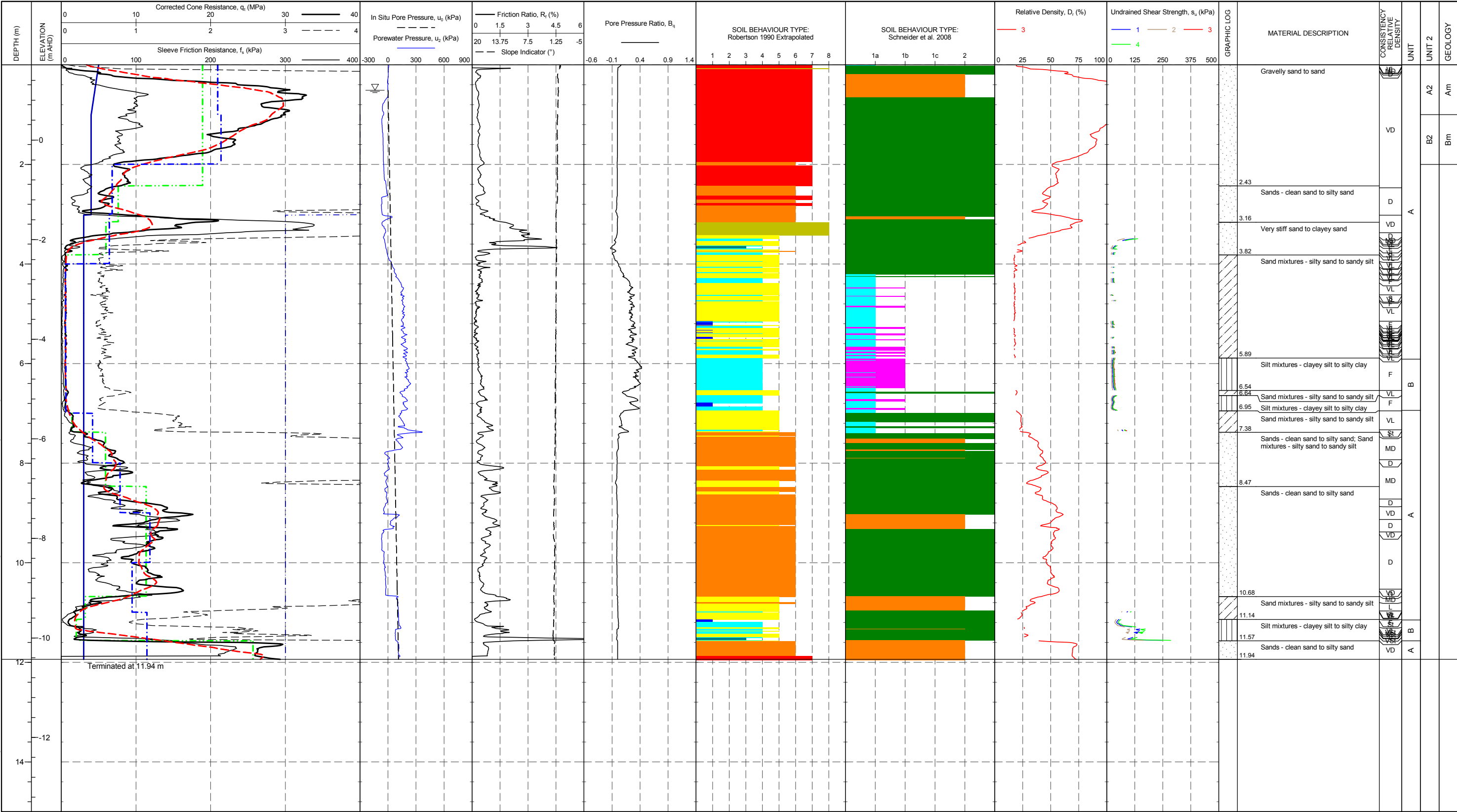
AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

Relative Density Method:
3. Kulhawy & Mayne (1990)

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q, Moving Average Over 0.5 m
--- q, Stepped Average Over 1 m
--- q, Strata Average
Dissipation Test
Design Line

METHOD: Schneider et al. 2008
1a - Silts and 'Low Ir' CLAYS
1b - CLAYS
1c - Sensitive CLAYS
2 - Essentially drained SANDS
3 - Transitional soils

Undrained Shear Strength Method:
1. $s_u = (q \cdot 10^{-2} - \sigma'_v) / N_{k1}$; or $(q \cdot 10^{-2} - \sigma'_v) / N_{k2}$
2. $s_u = (q \cdot 10^{-2}) / N_{k1}$; or $(q \cdot 10^{-2}) / N_{k2}$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK
A general remark.

PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

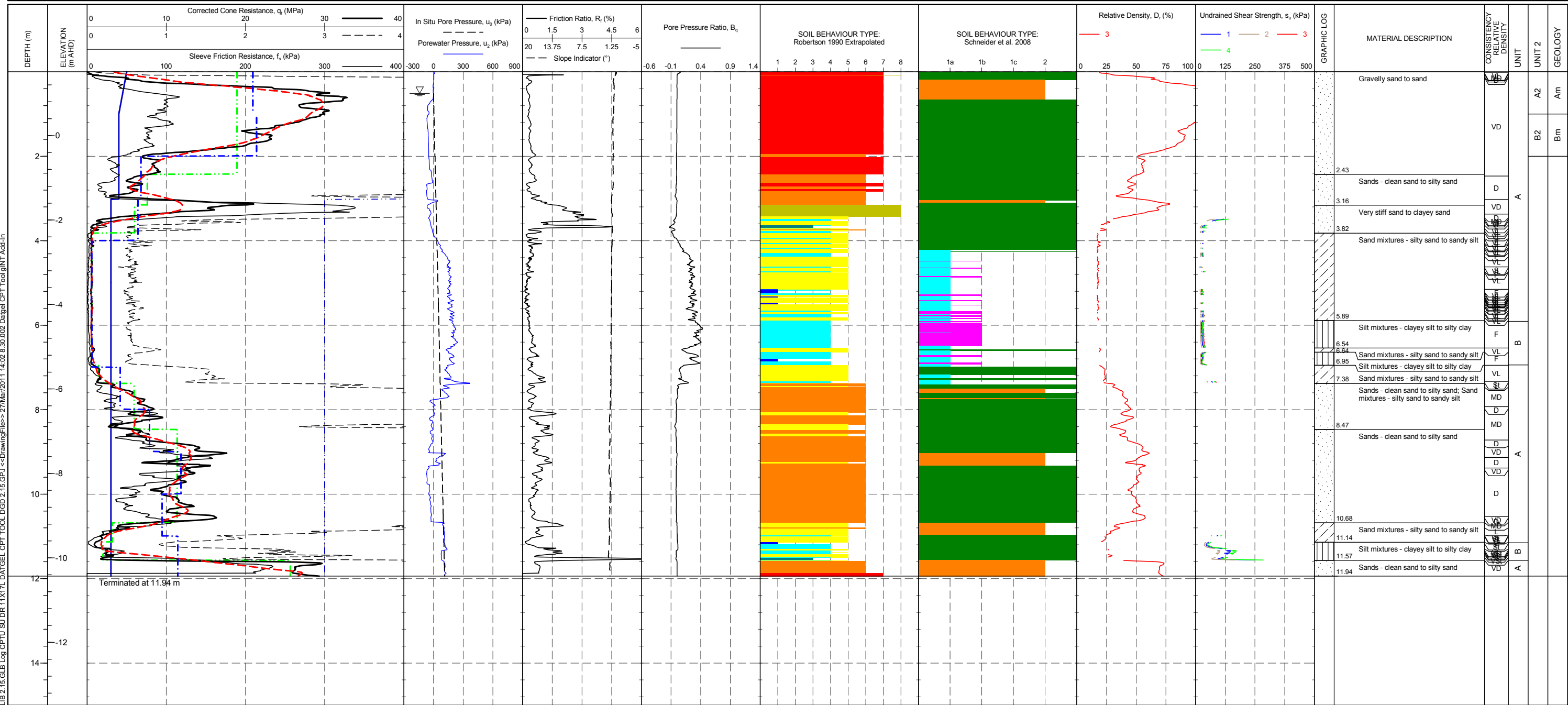
AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

METHOD: Robertson 1990

- 1 - Sensitive, fine grained
2 - Organic soil - peats
3 - Clays - clay to silty clay
4 - Silt mixtures - clayey silt to silty clay
5 - Sand mixtures - silty sand to sandy silt
6 - Sands - clean sand to silty sand
7 - Gravelly sand to sand
8 - Very stiff sand to clayey sand
9 - Very stiff fine grained

Relative Density Method:
3. Kulhawy & Mayne (1990)

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_c Moving Average Over 0.5 m
--- q_c Stepped Average Over 1 m
--- q_c Strata Average
Dissipation Test
Design Line

METHOD: Schneider et al. 2008
1a - Silts and "Low Ir" CLAYS
1b - CLAYS
1c - Sensitive CLAYS
2 - Essentially drained SANDS
3 - Transitional soils

Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-3} - \sigma_{vm})/N_k$ or $(q_c \cdot 10^{-3} - \sigma_{vm})/N_k$
2. $s_u = (q_c \cdot 10^{-3})/N_k$ or $(q_c \cdot 10^{-3})/N_k$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK

A general remark.

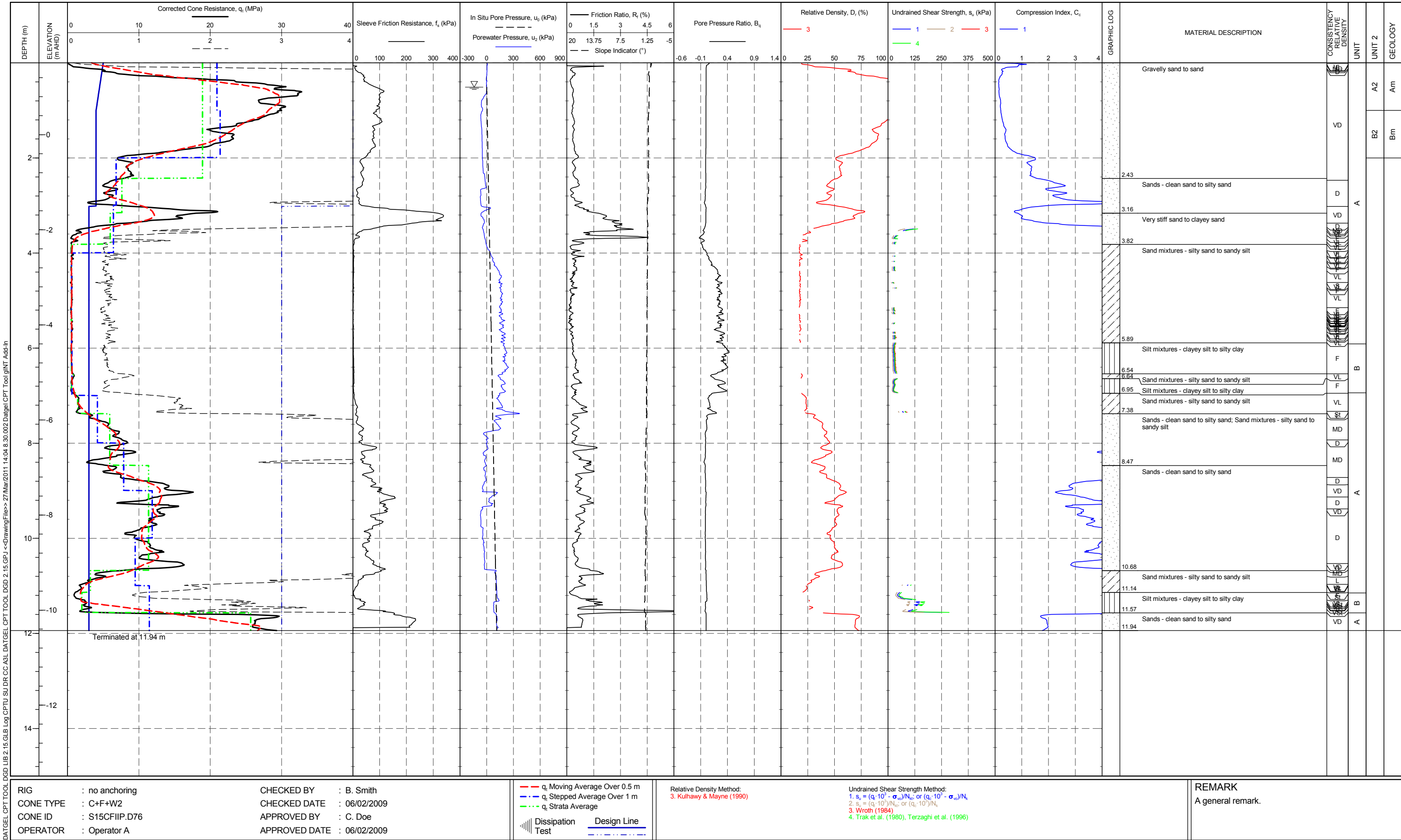
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS.: MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



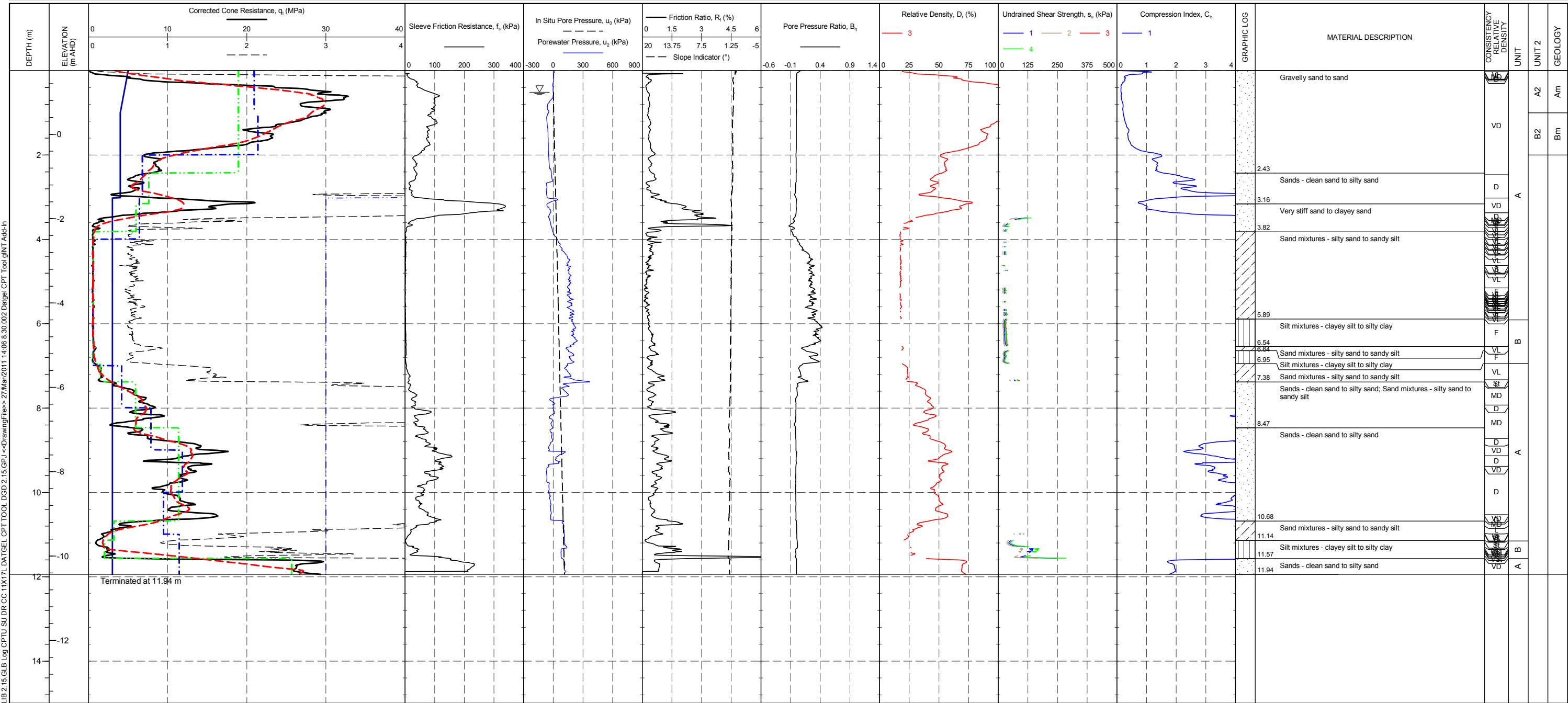
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

--- q_c Moving Average Over 0.5 m
- - - q_c Stepped Average Over 1 m
- - - q_c Strata Average

Dissipation Test

Design Line

Relative Density Method:
3. Kulhawy & Mayne (1990)

Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-3} - \sigma_{v0})/N_k$ or $(q_c \cdot 10^{-3} - \sigma_{v0})/N_k$
2. $s_u = (q_c \cdot 10^{-3})/N_k$ or $(q_c \cdot 10^{-3})/N_k$
3. Wroth (1984)
4. Trak et al. (1980), Terzaghi et al. (1996)

REMARK

A general remark.

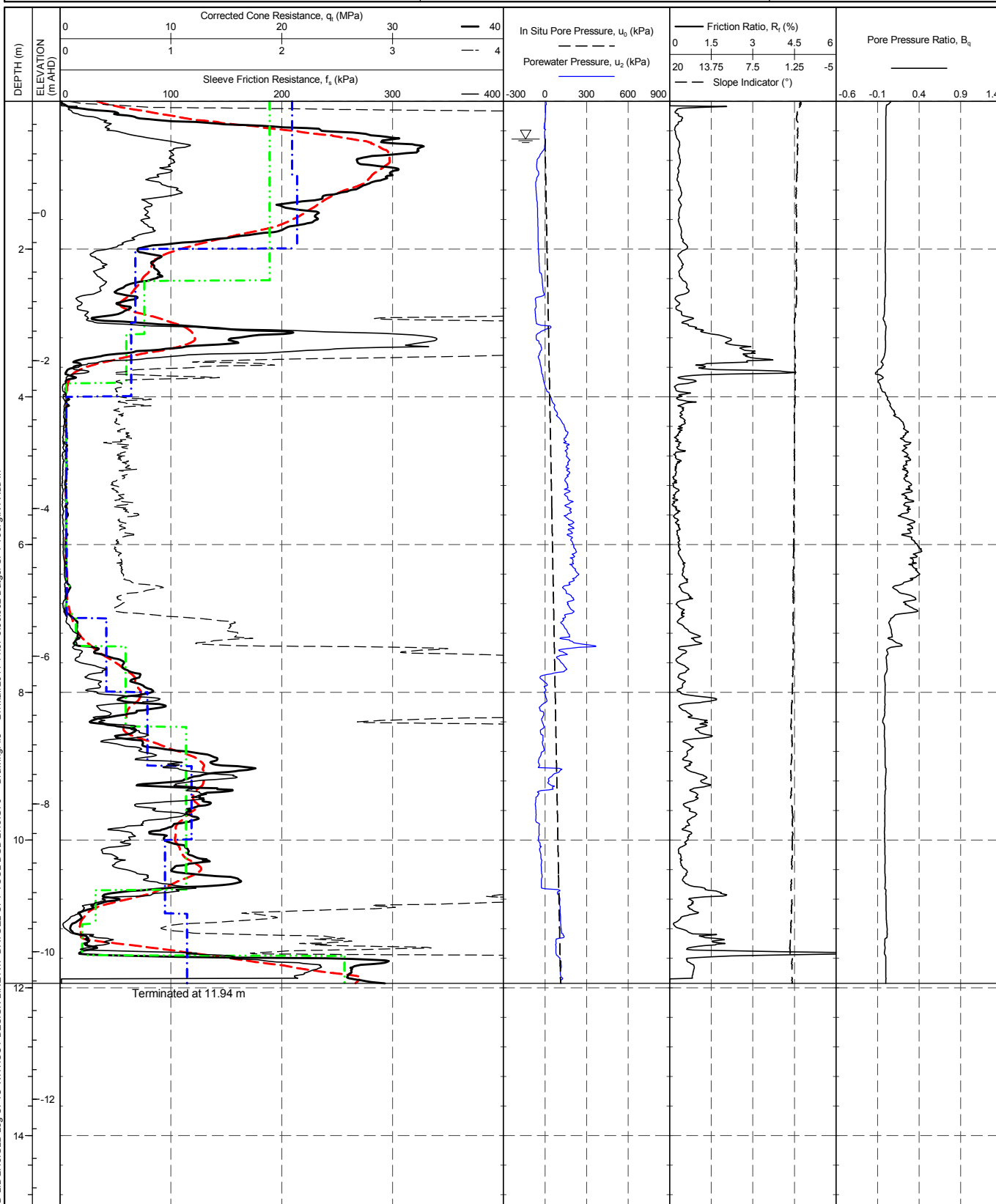
PointID

CPT 05

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248139.6 m
NORTHING : 1267426.3 m
COORD. SYS. : MGA94 56
ELEVATION : 1.51 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 23/12/2009



RIG : no anchoring
CONE TYPE : C+F+W2
CONE ID : S15CFIIP.D76
OPERATOR : Operator A

CHECKED BY : B. Smith
CHECKED DATE : 06/02/2009
APPROVED BY : C. Doe
APPROVED DATE : 06/02/2009

— q_t Moving Average Over 0.5 m
- - q_t Stepped Average Over 1 m
... q_t Strata Average
Dissipation Test

REMARK
A general remark.

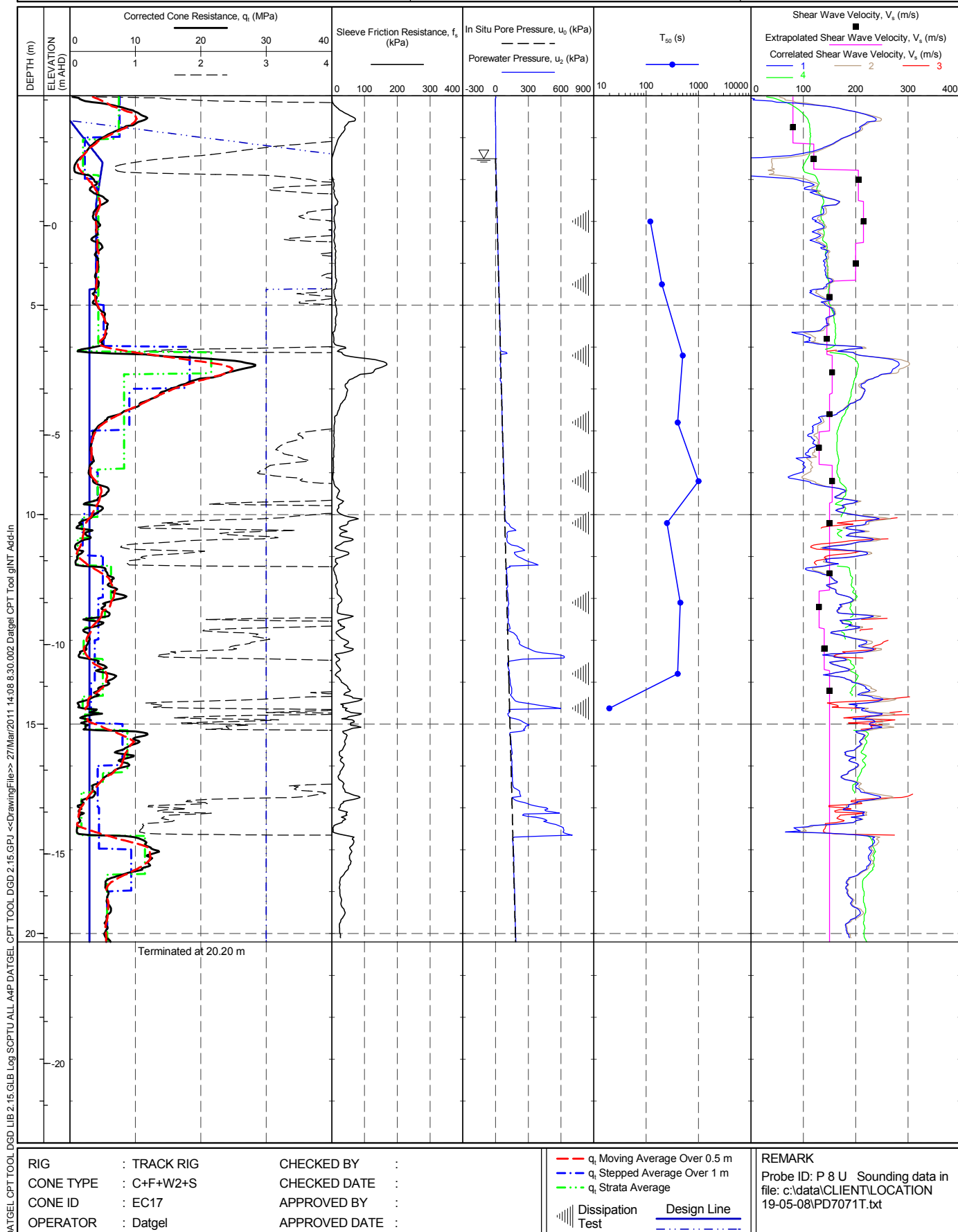
PointID

V-VS

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS. : MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS :
DATE : 19/05/2008



PointID

V-VS

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248189.7 m

NORTHING : 1267403.9 m

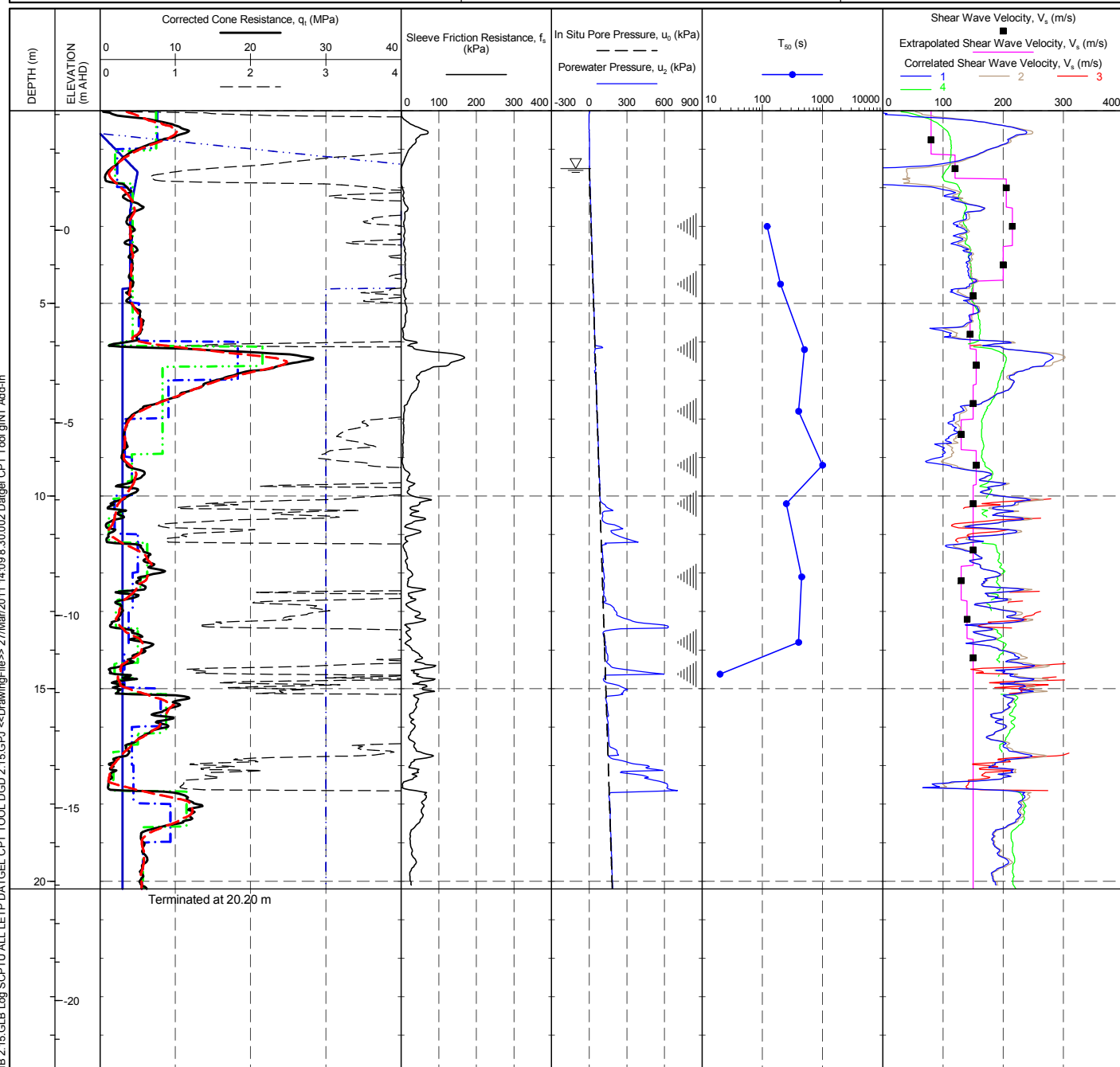
COORD. SYS. : MGA94 56

ELEVATION : 3.10 m AHD

SHEET : 1 OF 1

STATUS :

DATE : 19/05/2008



RIG : TRACK RIG

CONE TYPE : C+F+W2+S

CONE ID : EC17

OPERATOR : Datgel

CHECKED BY :

CHECKED DATE :

APPROVED BY :

APPROVED DATE :

--- q_t Moving Average Over 0.5 m
--- q_t Stepped Average Over 1 m
--- q_t Strata Average

Dissipation Test

Design Line

REMARK

Probe ID: P 8 U Sounding data in
file: c:\data\CLIENT\LOCATION
19-05-08\PD7071T.txt

DATGEL CPT TOOL DGD LIB 2.15.GLB Log SCPTU ALL LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:09 8.30.002 Datgel CPT Tool gINT Add-In

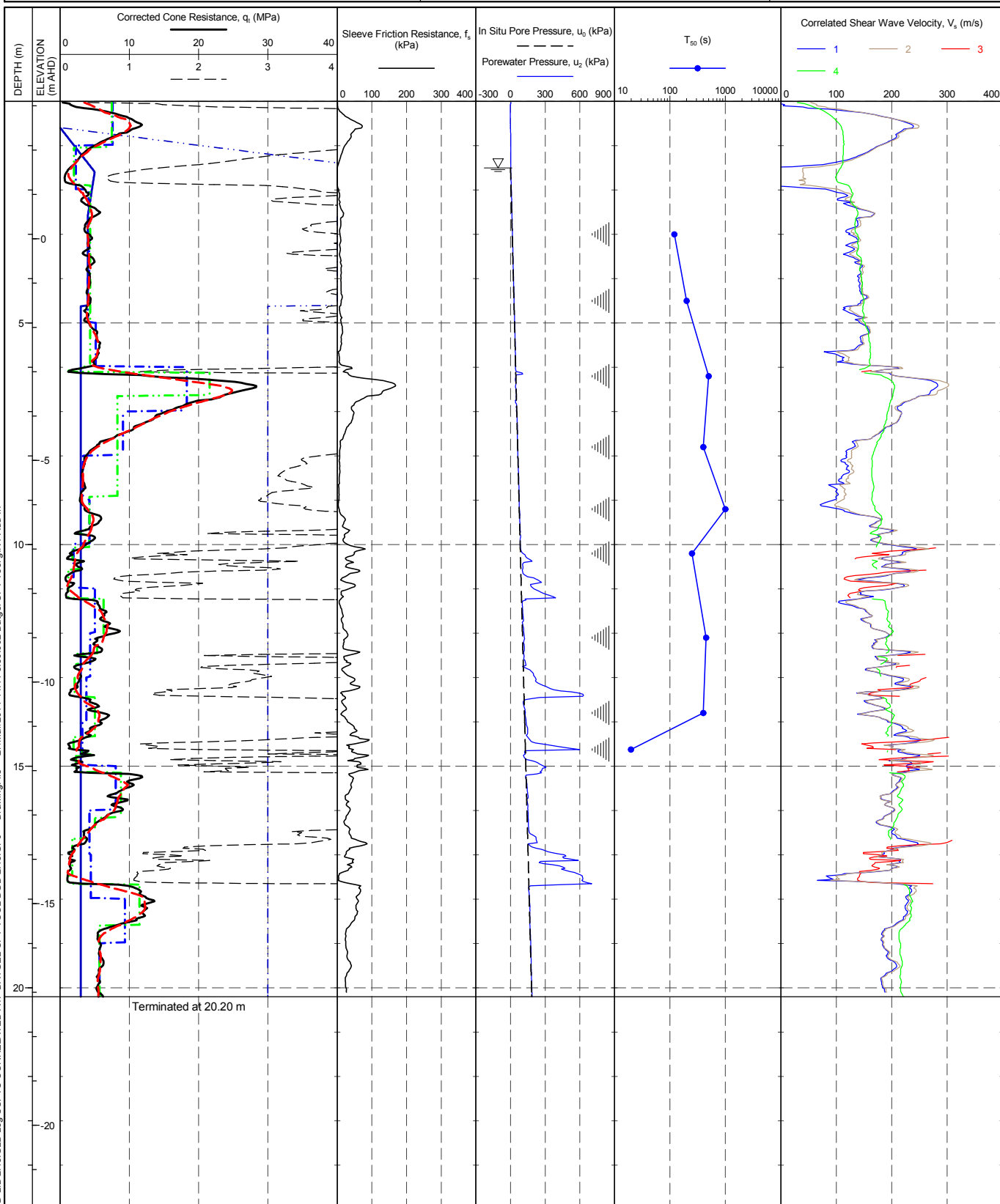
PointID

V-VS

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS. : MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS :
DATE : 19/05/2008



RIG : TRACK RIG
CONE TYPE : C+F+W2+S
CONE ID : EC17
OPERATOR : Datgel

CHECKED BY :
CHECKED DATE :
APPROVED BY :
APPROVED DATE :

— q_t Moving Average Over 0.5 m
- - - q_t Stepped Average Over 1 m
... q_t Strata Average
▲ Dissipation Test
— Design Line

REMARK
Probe ID: P 8 U Sounding data in
file: c:\data\CLIENT\LOCATION
19-05-08\PD7071T.txt

DATGEL CPT TOOL DGD LIB 2.15.GLB Log SCPTU CORRELATED A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:11 8.30.002 Datgel CPT Tool gINT Add-In

PointID

V-VS

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248189.7 m

NORTHING : 1267403.9 m

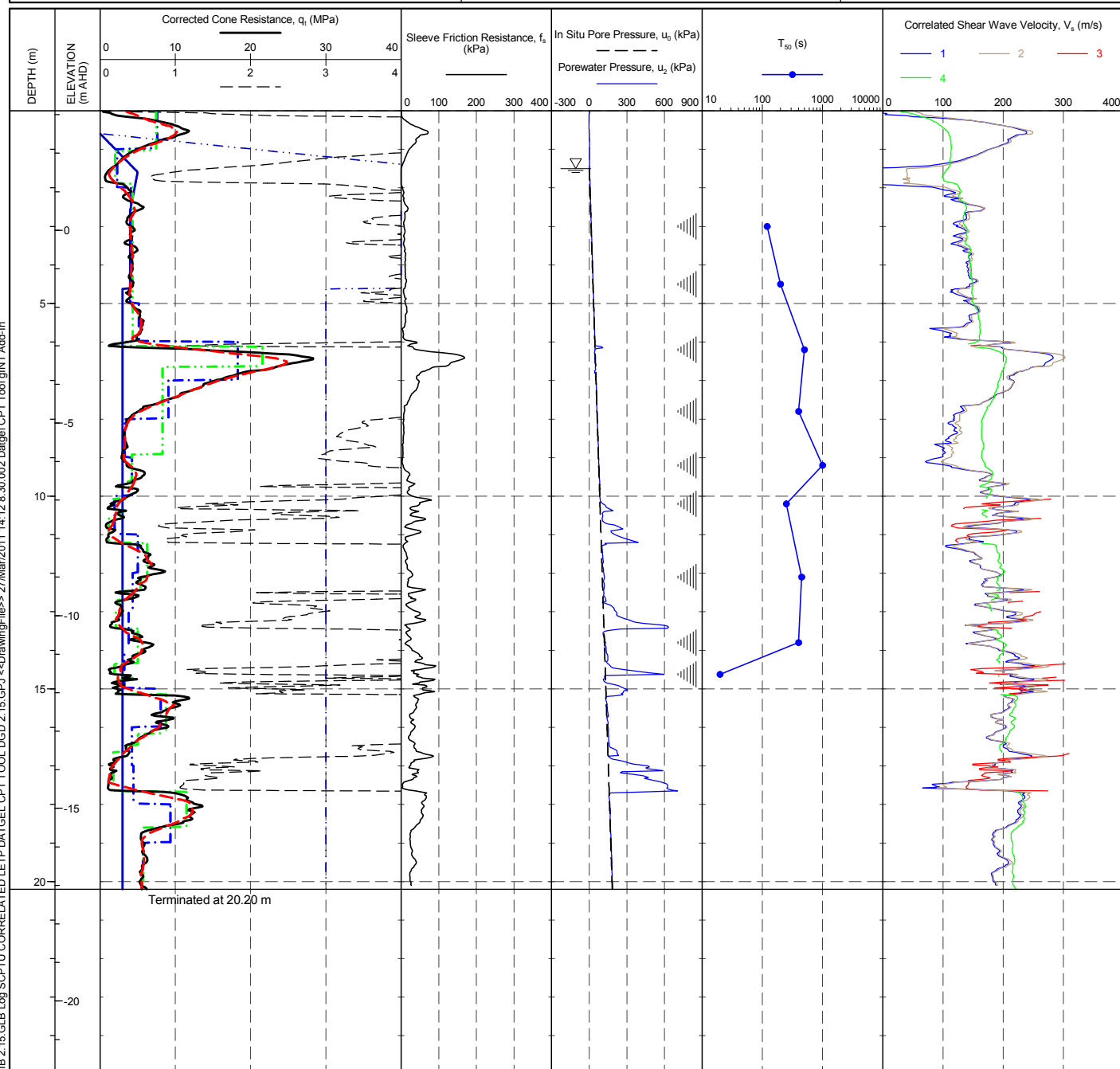
COORD. SYS. : MGA94 56

ELEVATION : 3.10 m AHD

SHEET : 1 OF 1

STATUS :

DATE : 19/05/2008



RIG : TRACK RIG

CONE TYPE : C+F+W2+S

CONE ID : EC17

OPERATOR : Datgel

CHECKED BY :

CHECKED DATE :

APPROVED BY :

APPROVED DATE :

--- q_t Moving Average Over 0.5 m
--- q_t Stepped Average Over 1 m
--- q_t Strata Average
Dissipation Test
Design Line

REMARK

Probe ID: P 8 U Sounding data in
file: c:\data\CLIENT\LOCATION
19-05-08\PD7071T.txt

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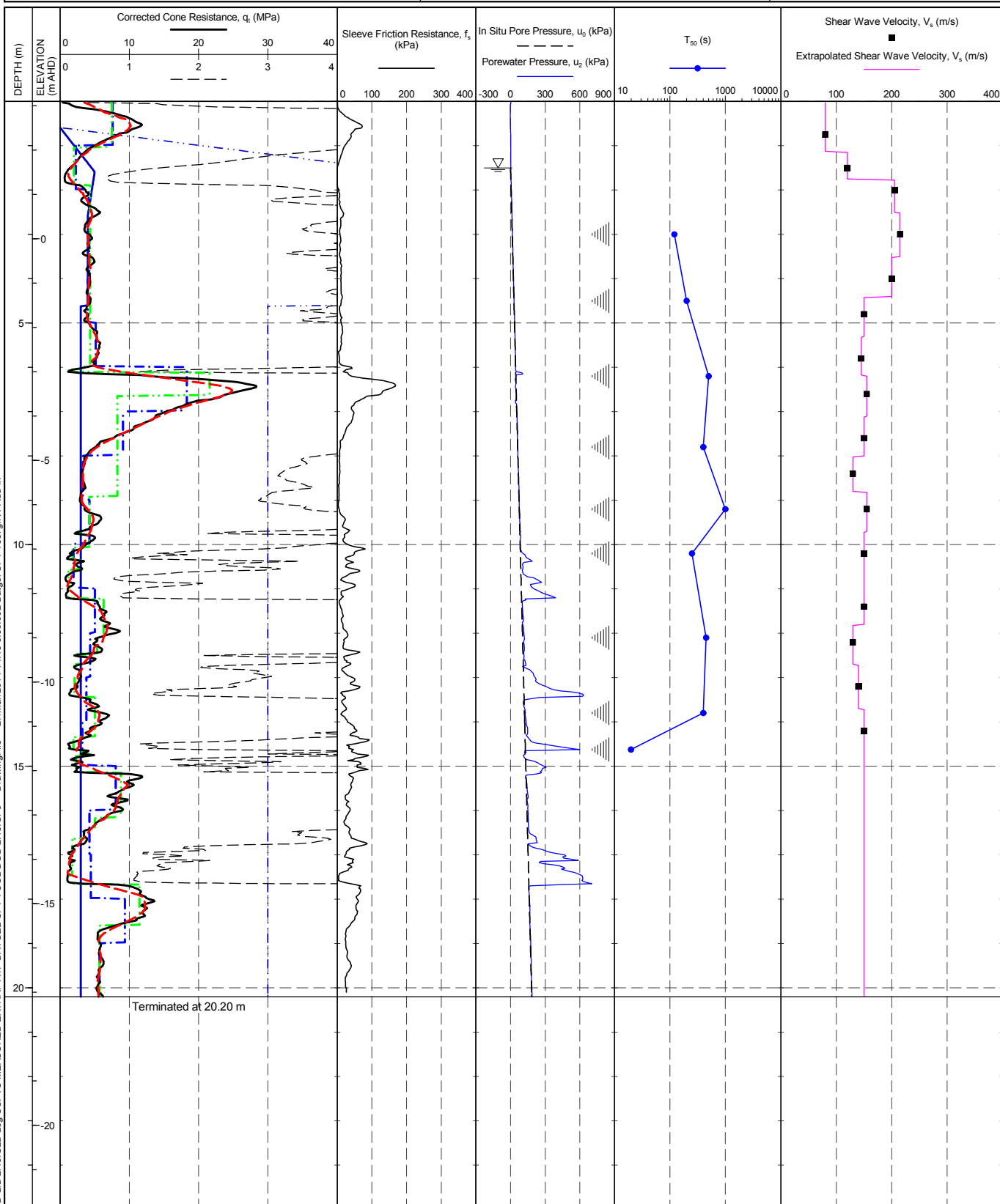
PointID

V-VS

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS. : MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS :
DATE : 19/05/2008



RIG : TRACK RIG
CONE TYPE : C+F+W2+S
CONE ID : EC17
OPERATOR : Datgel

CHECKED BY :
CHECKED DATE :
APPROVED BY :
APPROVED DATE :

— q_t Moving Average Over 0.5 m
- - - q_t Stepped Average Over 1 m
... q_t Strata Average

Design Line

Disipation Test

REMARK
Probe ID: P 8 U Sounding data in
file: c:\data\CLIENT\LOCATION
19-05-08\PD7071T.txt

DATGEL CPT TOOL DGD LIB 2.15.GLB Log SCPTU MEASURED EXTRAP A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:13 8.30.002 Datgel CPT Tool gINT Add-In

PointID

V-VS

CLIENT : CPT Client

ENGINEER : ABC Engineering

PROJECT : CPT Tool Project

LOCATION : Somewhere

PROJECT No. : 2.15

AREA : Place

EASTING : 248189.7 m

NORTHING : 1267403.9 m

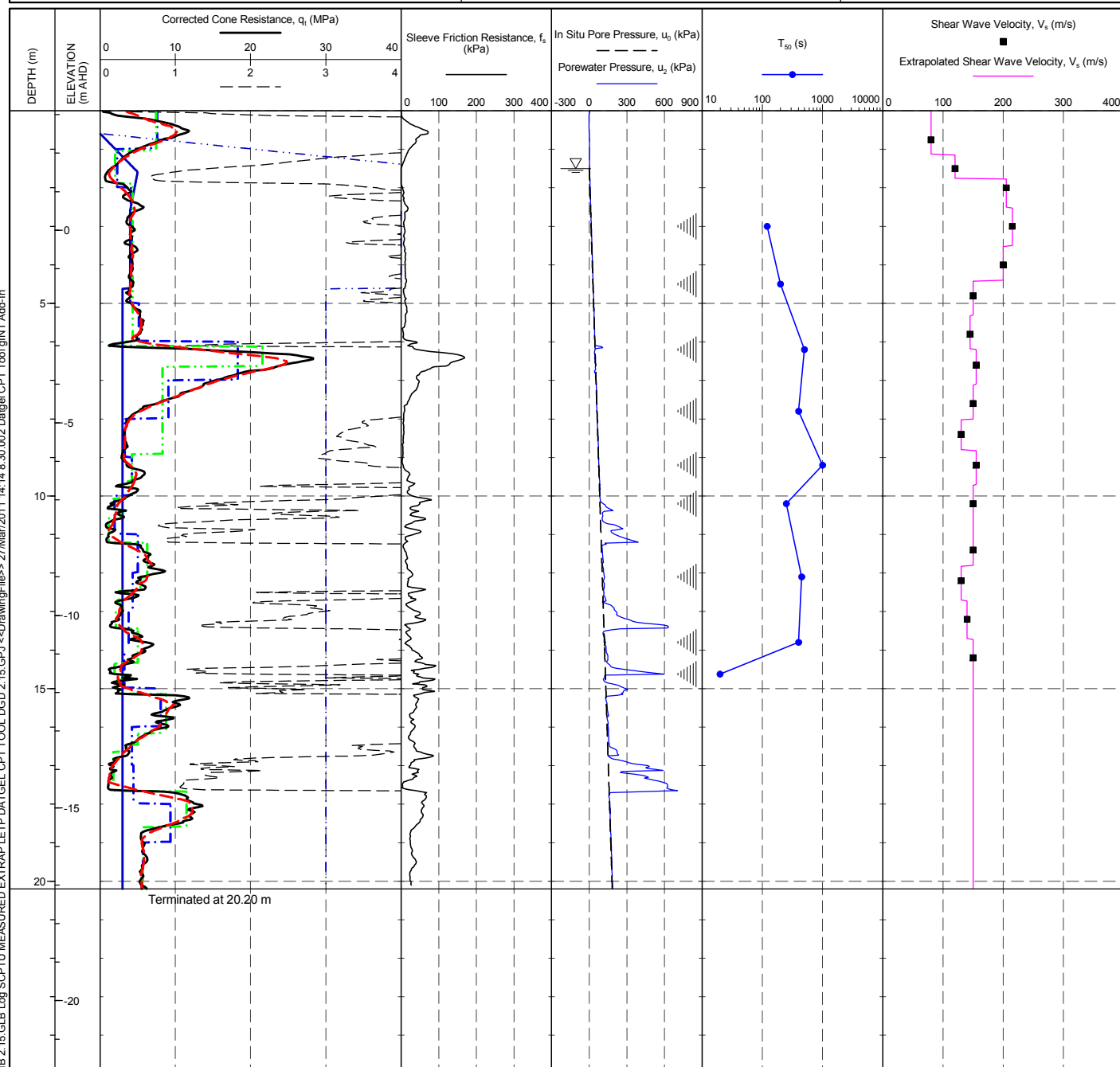
COORD. SYS. : MGA94 56

ELEVATION : 3.10 m AHD

SHEET : 1 OF 1

STATUS :

DATE : 19/05/2008



RIG : TRACK RIG

CONE TYPE : C+F+W2+S

CONE ID : EC17

OPERATOR : Datgel

CHECKED BY :

CHECKED DATE :

APPROVED BY :

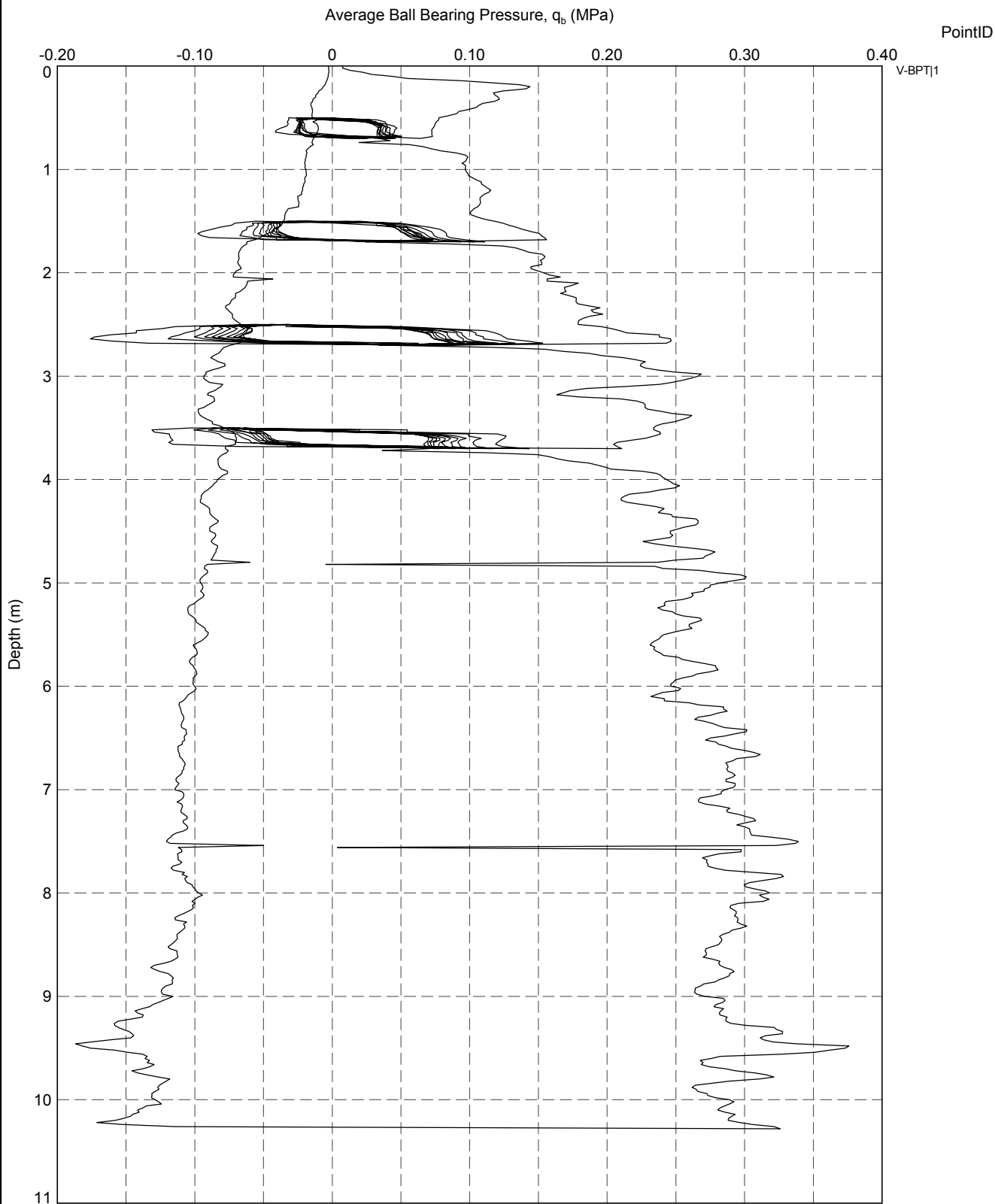
APPROVED DATE :

— q_t Moving Average Over 0.5 m
- - q_t Stepped Average Over 1 m
... q_t Strata Average
Dissipation Test
Design Line

REMARK

Probe ID: P 8 U Sounding data in
file: c:\data\CLIENT\LOCATION
19-05-08\PD7071T.txt

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph BPT OB VS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 14:15 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Ball Bearing Pressure versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

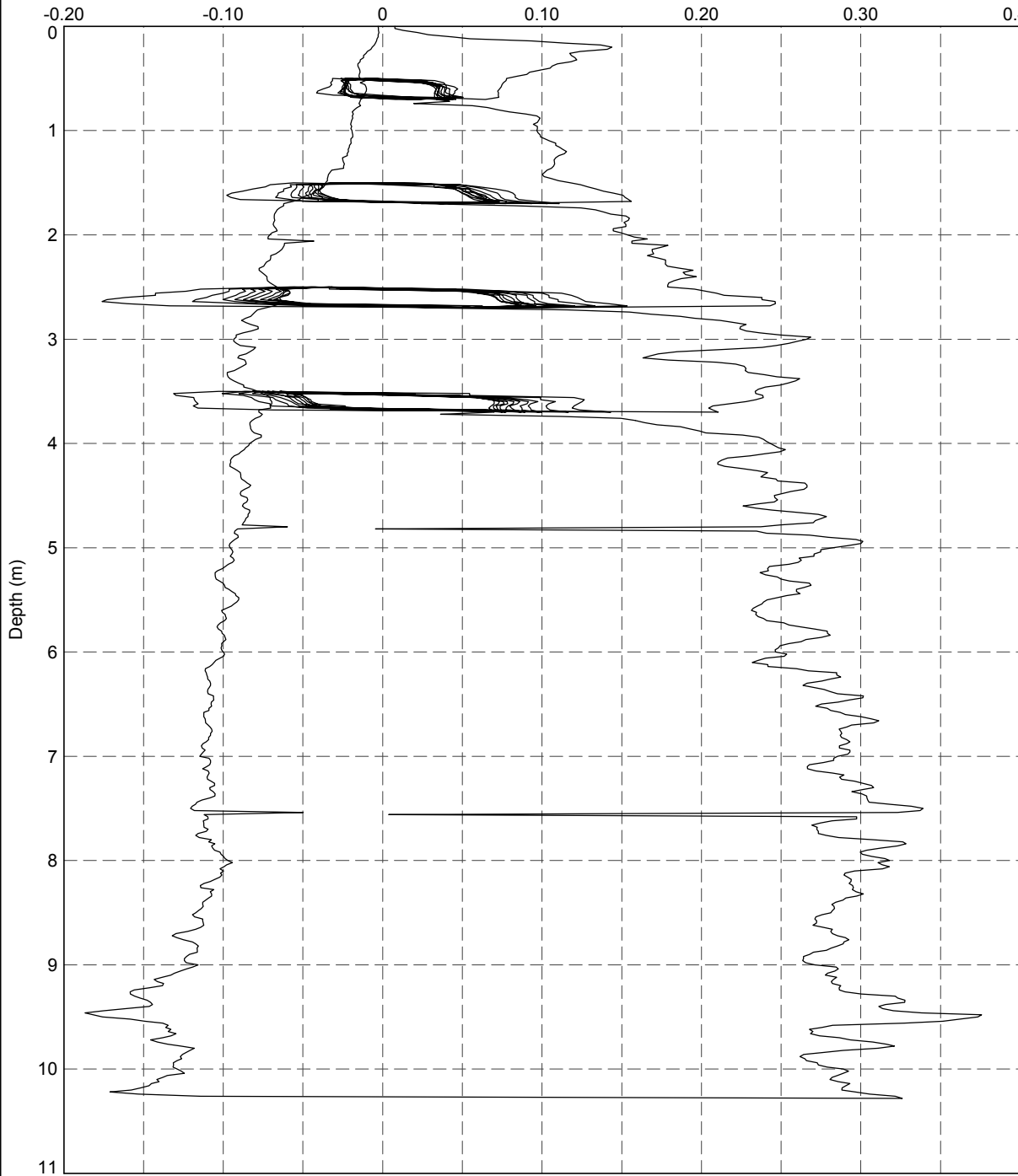
FIGURE No

49

Average Ball Bearing Pressure, q_b (MPa)

PointID

V-BPT1



DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph BPT OB VS DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:15 8.30.002 Datgel CPT Tool gINT Add-in

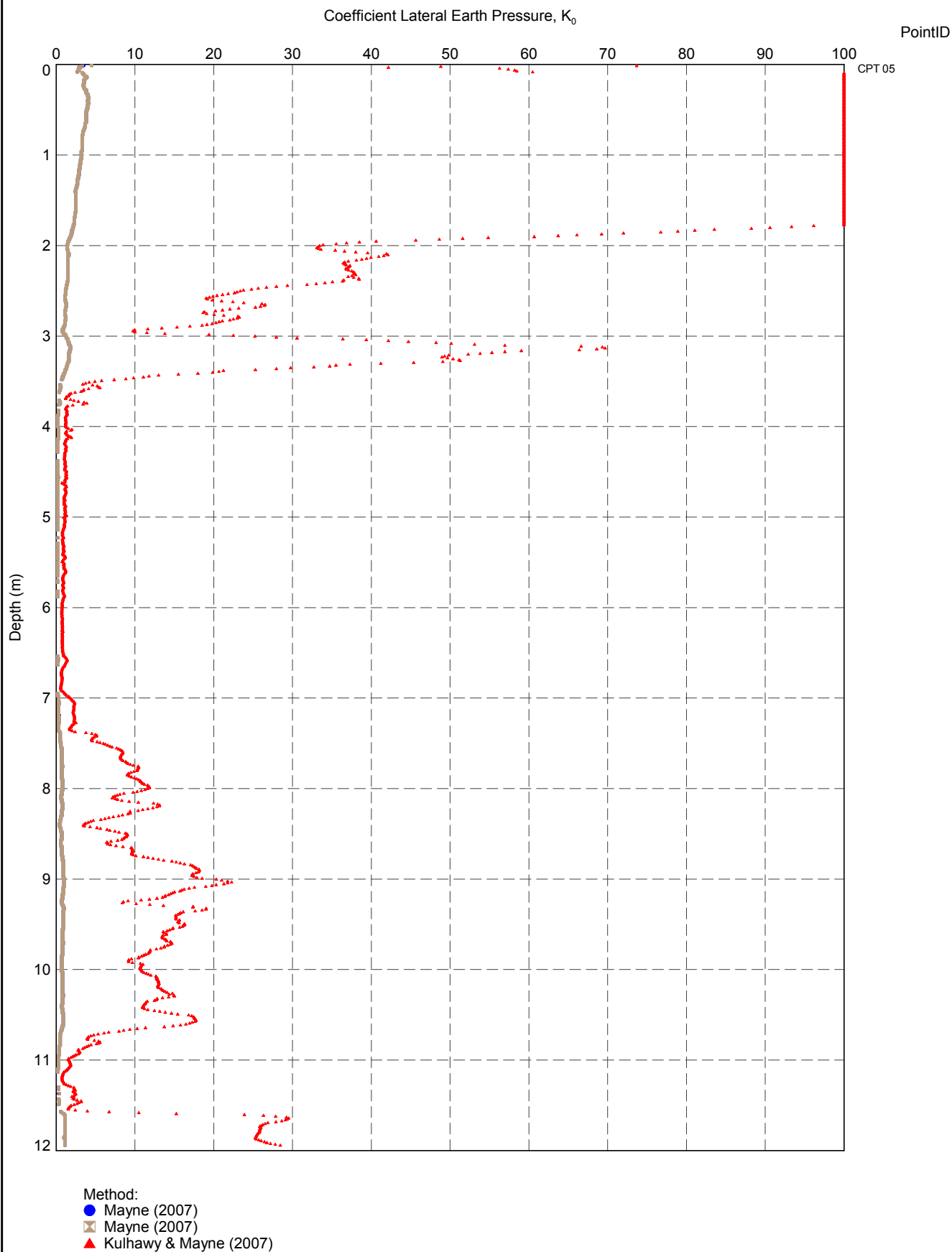


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Ball Bearing Pressure versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	50

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT COEFF LATERAL EARTH PRESS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:17 8 30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Coefficient Lateral Earth Pressure vs. Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

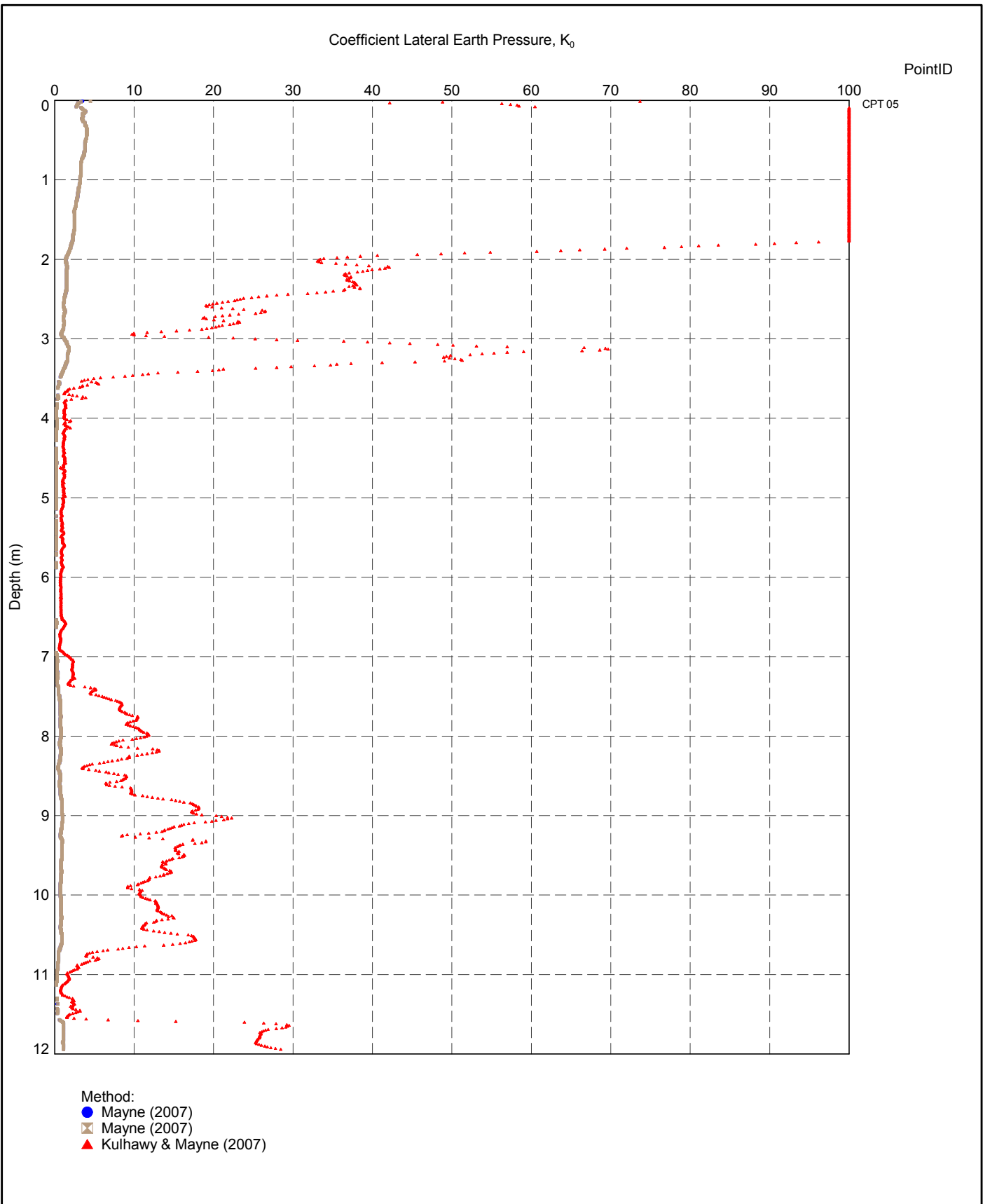
PROJECT No

2.15

FIGURE No

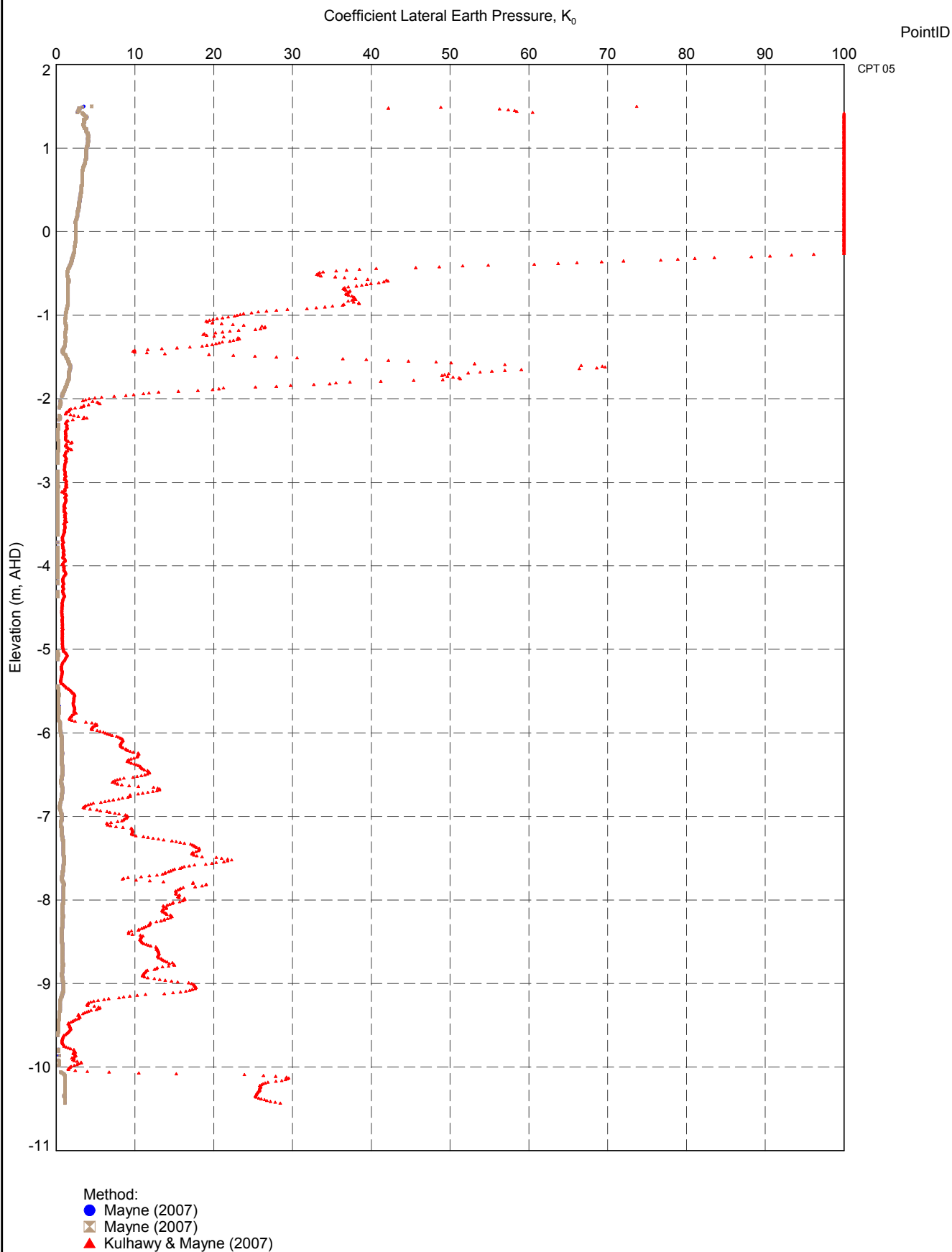
51

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT COEFF LATERAL EARTH PRESS DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:19 8.30.002 Datgel CPT Tool gJNT Add-In



TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Coefficient Lateral Earth Pressure vs. Depth	DRAWN PMW	DATE 27/03/2011	
	CHECKED PMW	DATE 27/03/2011	
	SCALE Not To Scale		Let
	PROJECT No 2.15		FIGURE No 52

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT COEFF LATERAL EARTH PRESSURE RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:21 8:30:002 Datgel CPT Tool glINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Coefficient Lateral Earth Pressure vs. Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

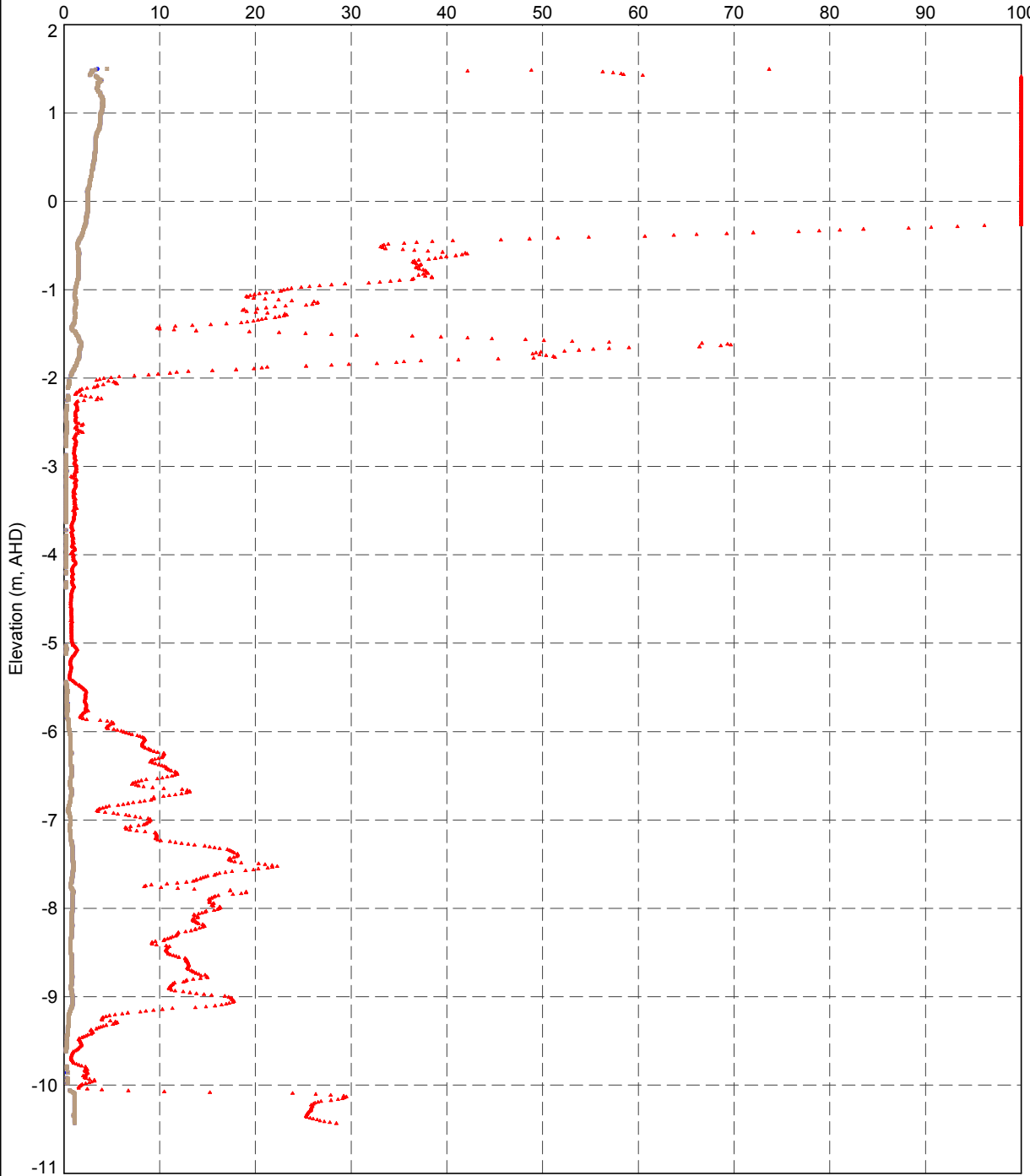
FIGURE No

53

Coefficient Lateral Earth Pressure, K_0

PointID

CPT 05



Method:

● Mayne (2007)

■ Mayne (2007)

▲ Kulhawy & Mayne (2007)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project

Coefficient Lateral Earth Pressure vs. Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

PROJECT No

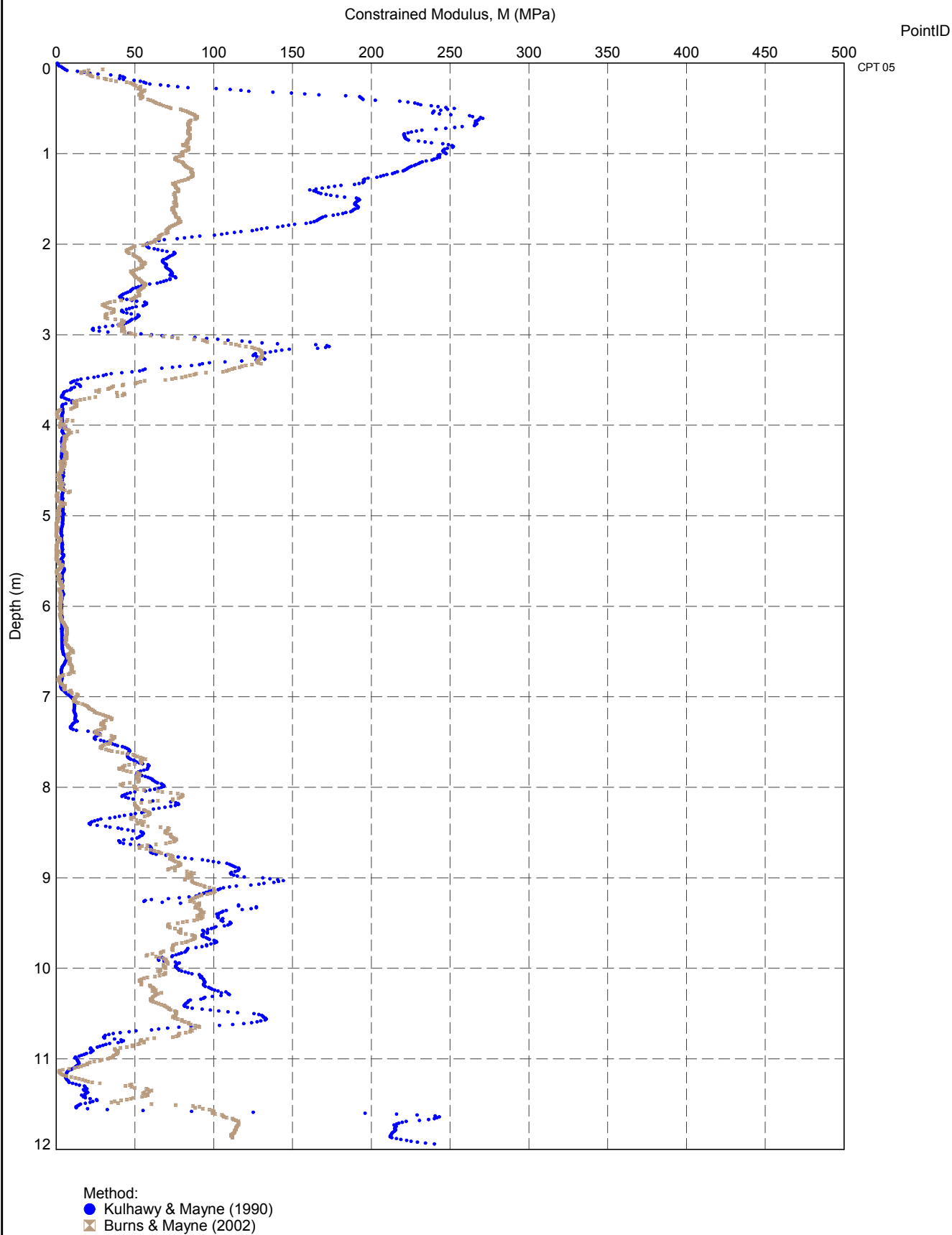
2.15

FIGURE No

54

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT COEFF LATERAL EARTH PRESSURE RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:23:8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT CONSTRAINED MODULUS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:25 8:30.002 Datgel CPT Tool gINT Add-in



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Constrained Modulus versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

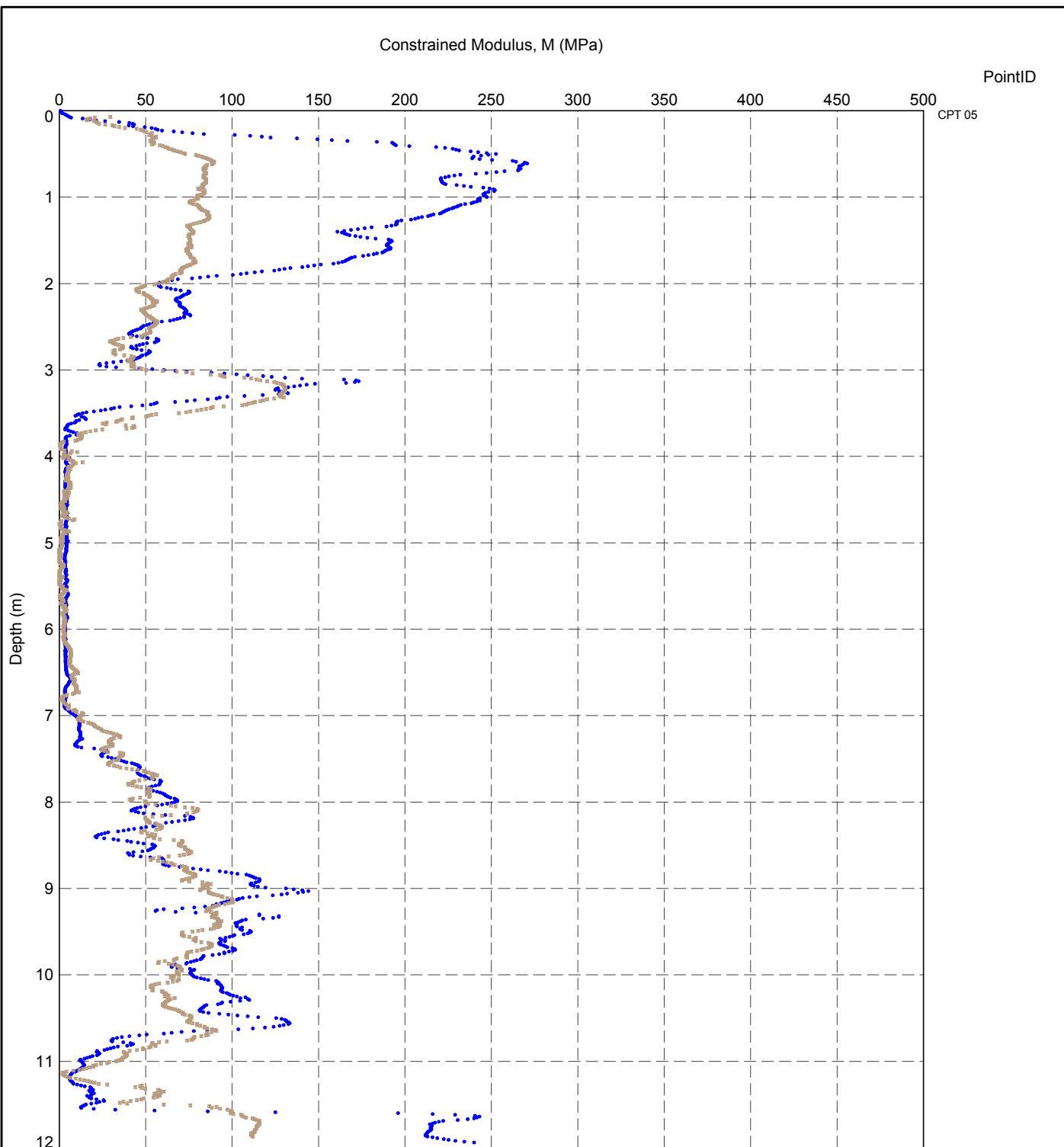
PROJECT No

2.15

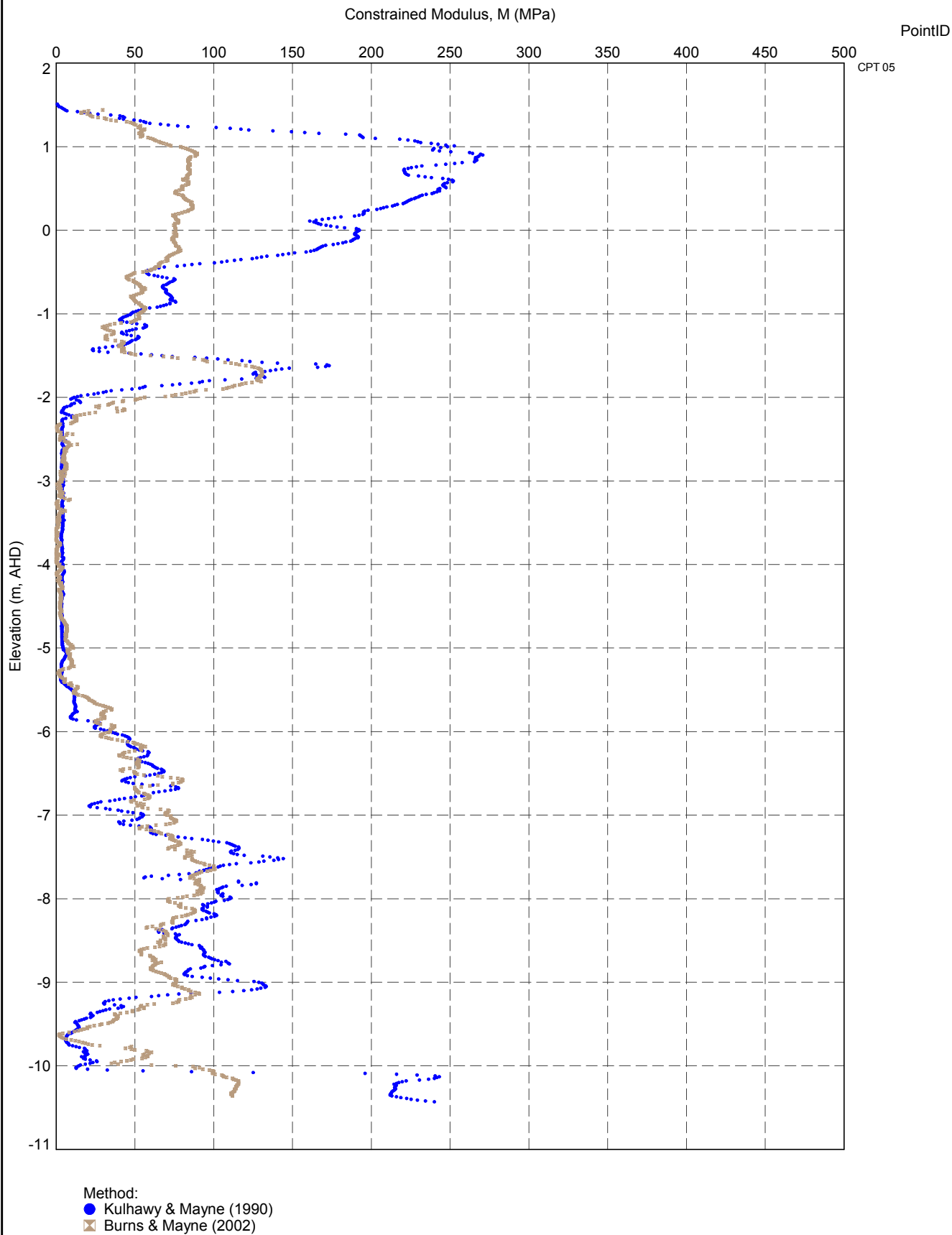
FIGURE No

55

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT CONSTRAINED MODULUS DEPTH LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:27 830.002 Datgel CPT Tool gINT Add-in



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT CONSTRAINED MODULUS RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:29 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Constrained Modulus versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

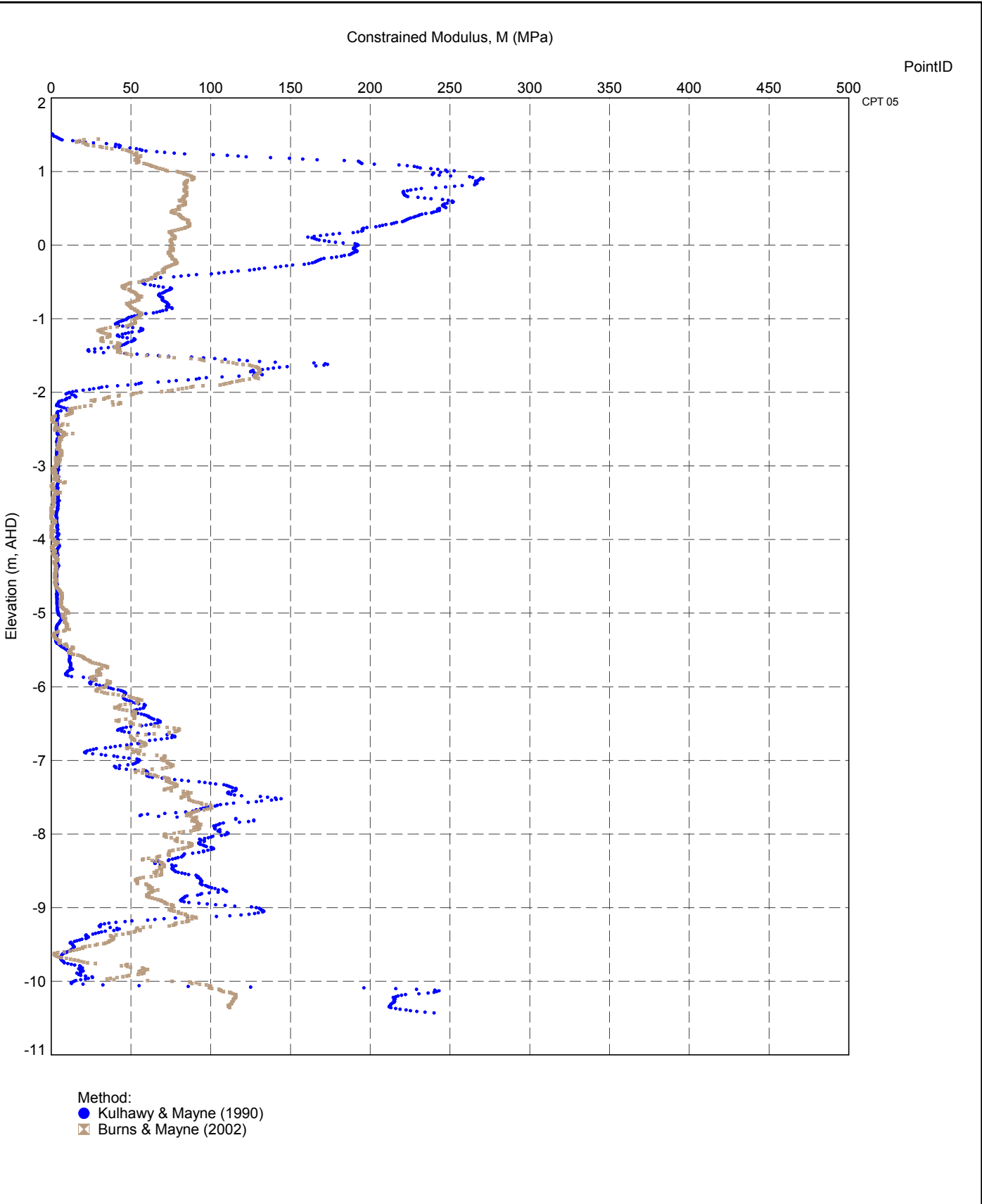
PROJECT No


2.15

FIGURE No

57

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT CONSTRAINED MODULUS RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFile>> 27/Mar/2011 14:31 8.30.002 Datgel CPT Tool gINT Add-In



 Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Constrained Modulus versus Elevation	DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	Let
		PROJECT No 2.15	FIGURE No 58

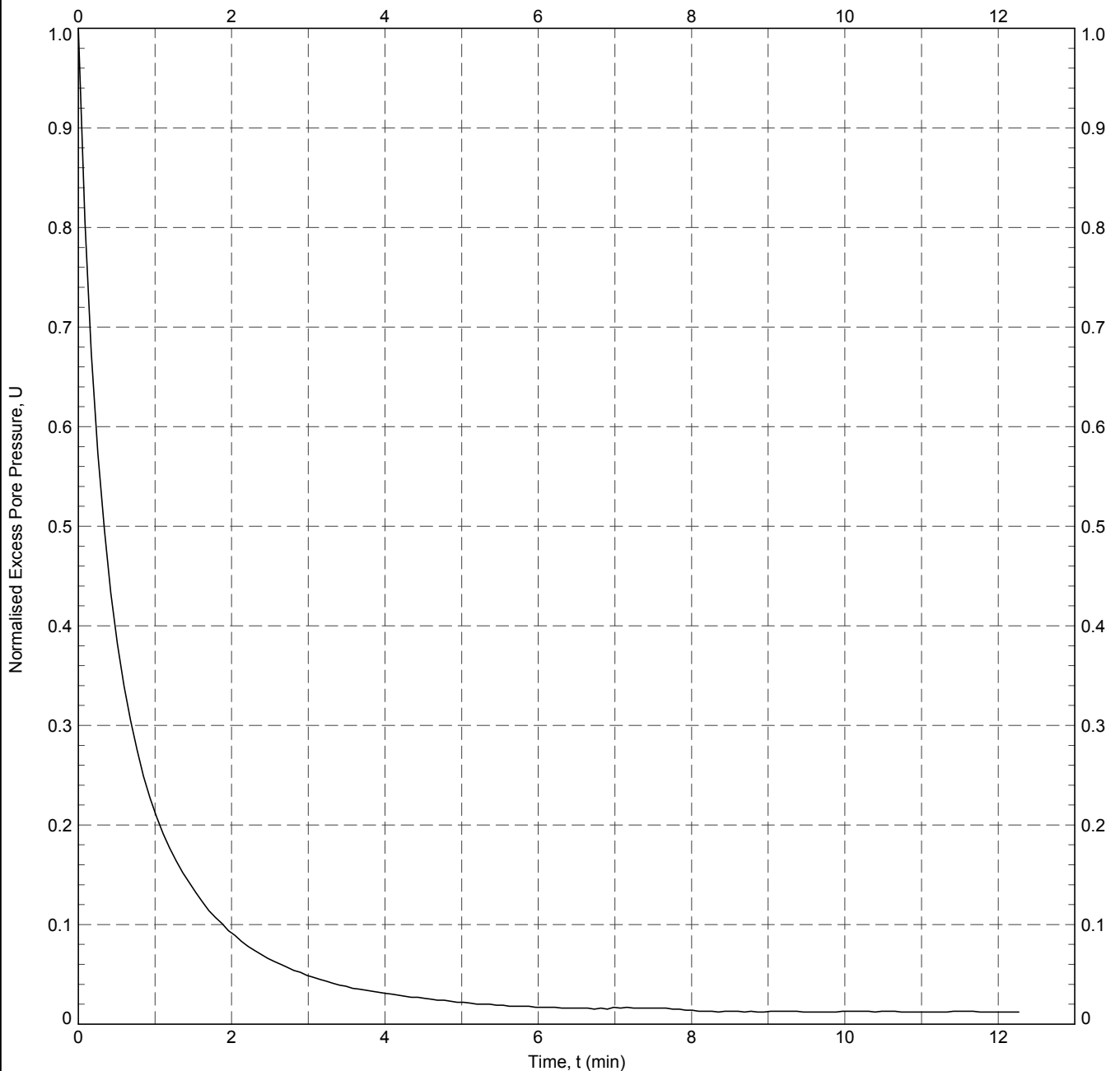
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 128.76 kPa
Initial Pore Pressure, u_i : 579.6 kPa
Final Pore Pressure: 579.640255 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 354.06 kPa
Time for 50% Dissipation, t_{50} : 0.34 min

Horizontal Coefficient of Consolidation, c_h : $1.50 \times 10^3 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 3
Vertical Coefficient of Consolidation, c_v : $5.00 \times 10^2 \text{ m}^2/\text{yr}$

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

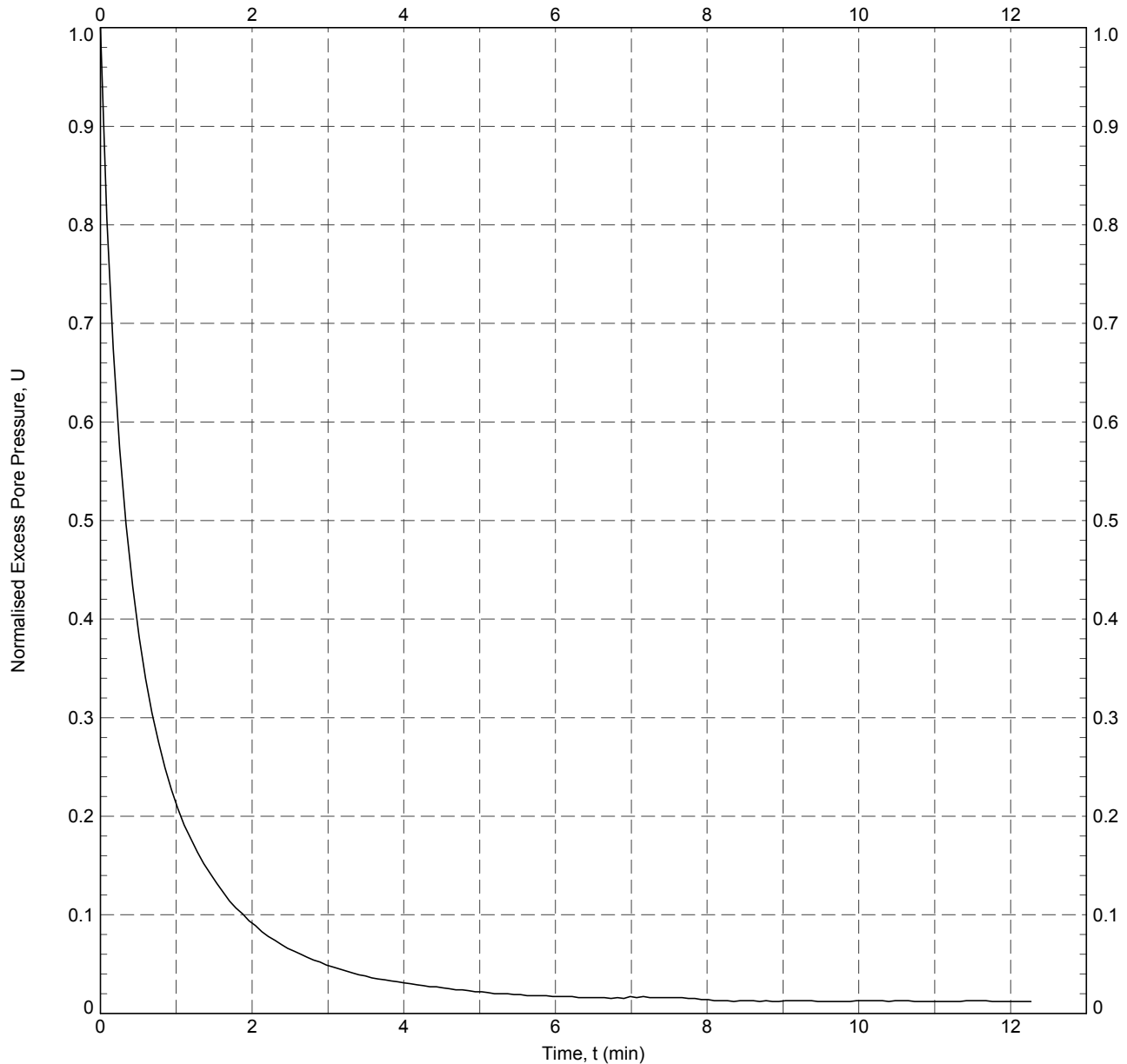
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 128.76 kPa
Initial Pore Pressure, u_i : 579.6 kPa
Final Pore Pressure: 579.640255 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 354.06 kPa
Time for 50% Dissipation, t_{50} : 0.34 min

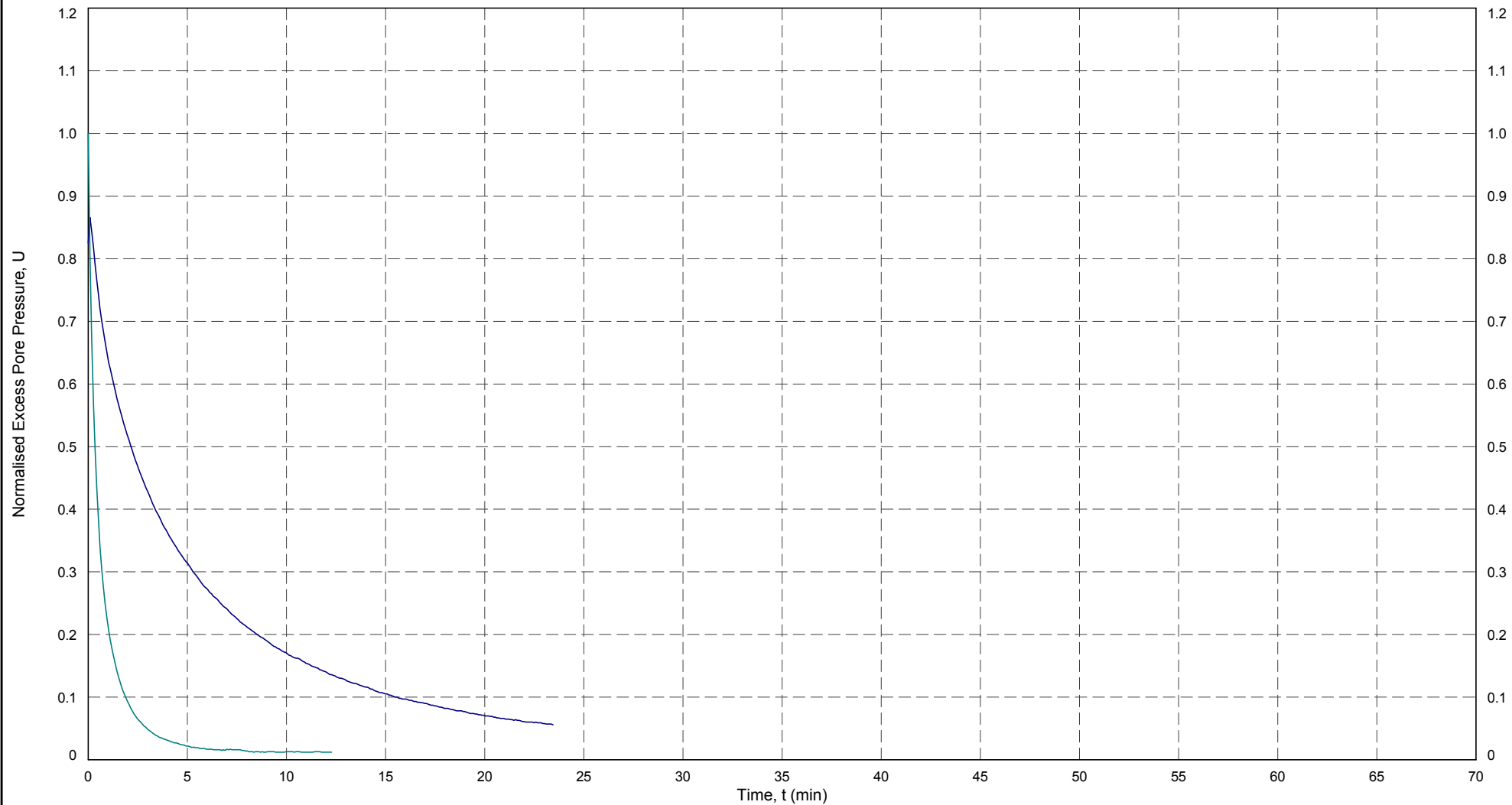
Horizontal Coefficient of Consolidation, c_h : $1.50 \times 10^3 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 3
Vertical Coefficient of Consolidation, c_v : $5.00 \times 10^2 \text{ m}^2/\text{yr}$

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB


ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

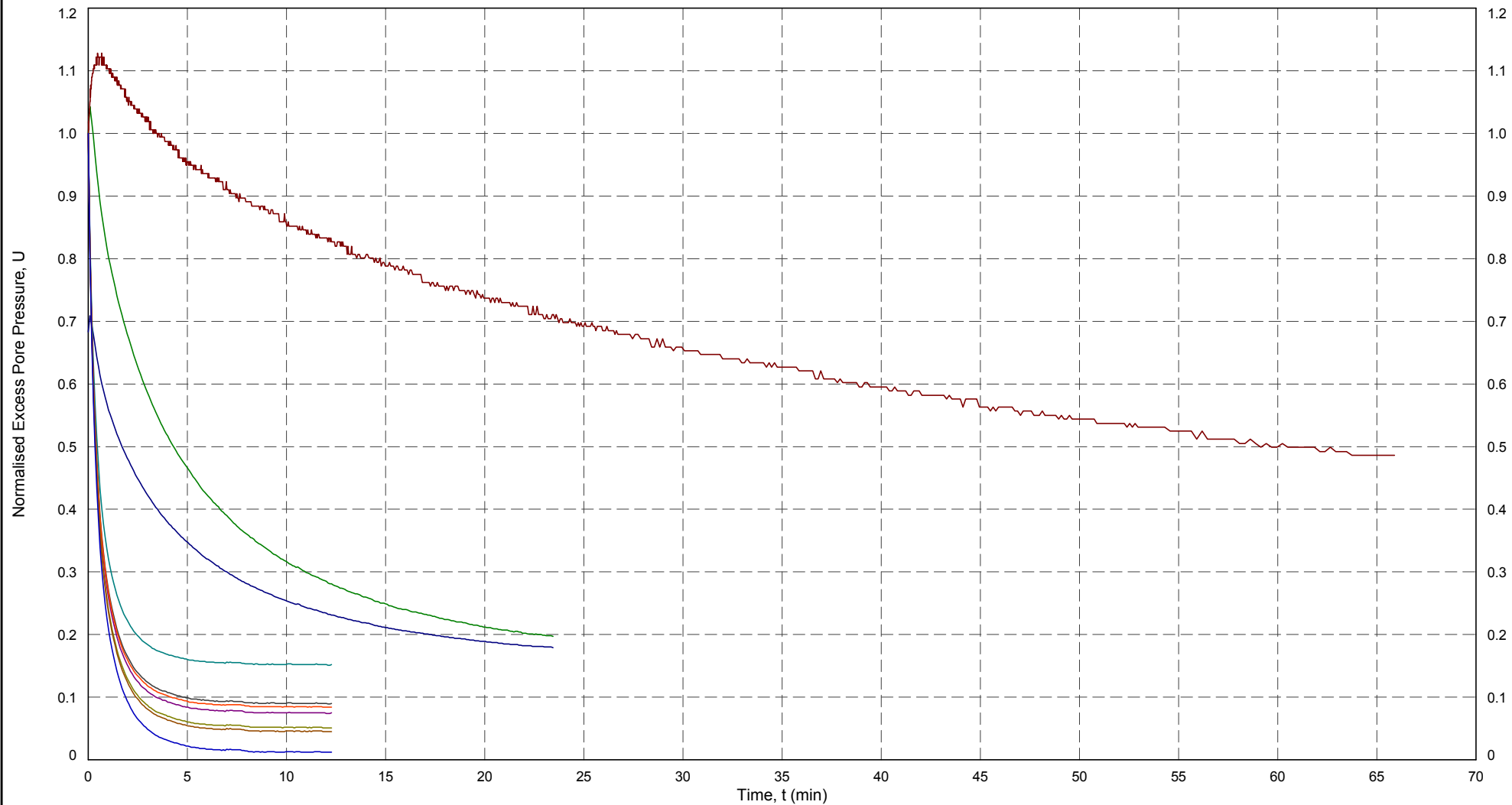
DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK




— 11.20 m
— 14.63 m

	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01	DRAWN PMW	DATE 27/03/2011	
		CHECKED PMW	DATE 27/03/2011	
		SCALE Not To Scale		A4
		PROJECT No 2.15	FIGURE No 61	



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m

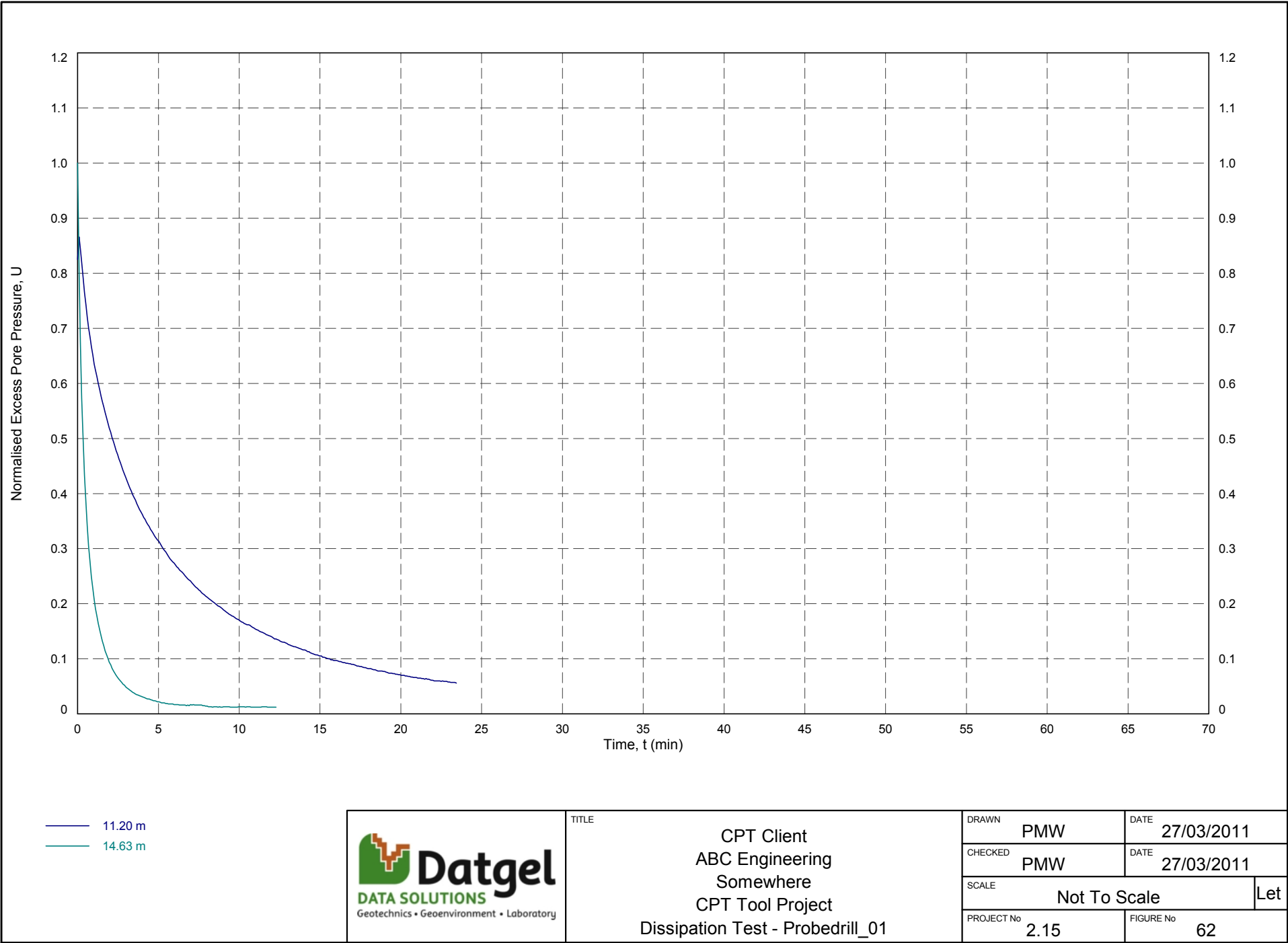


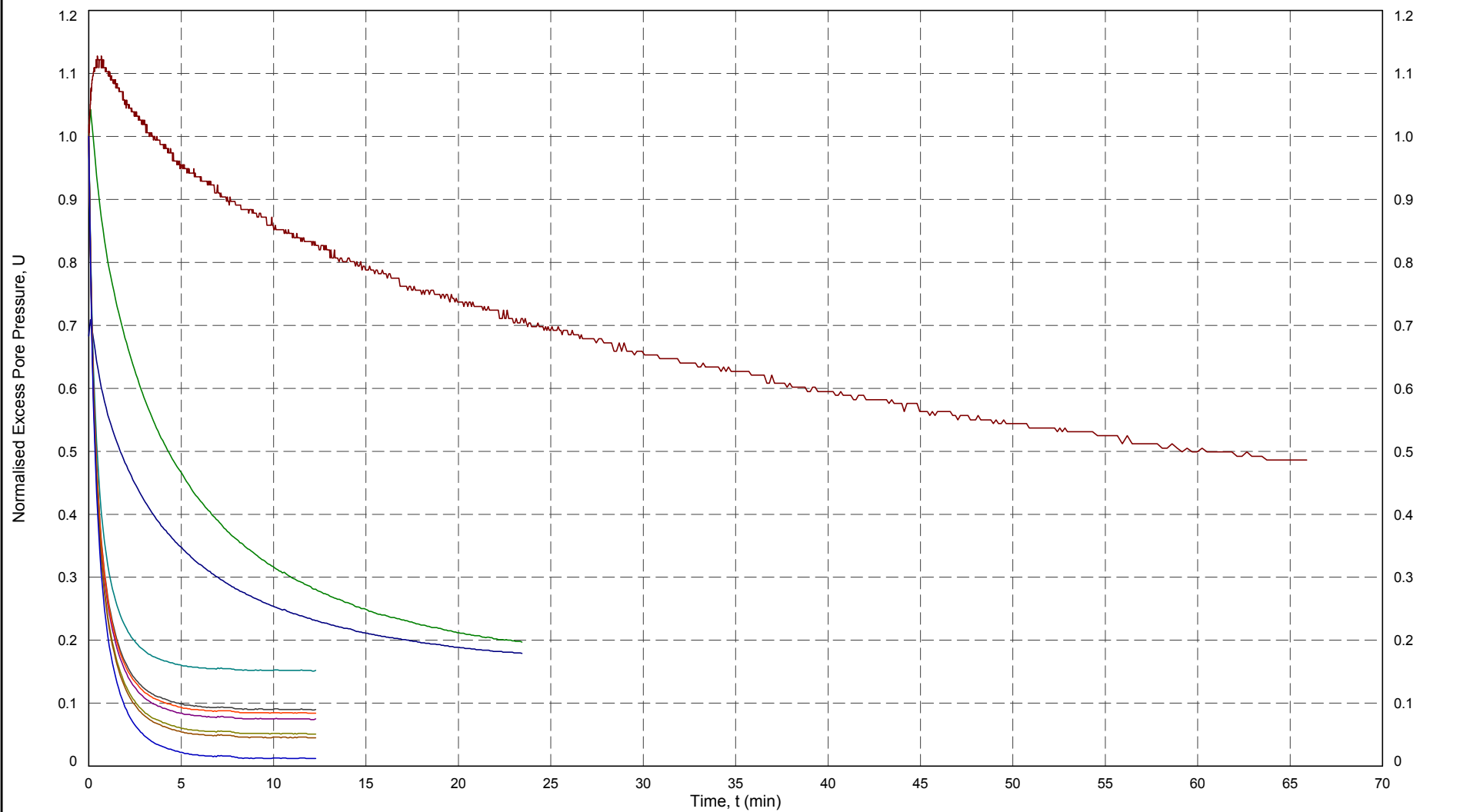
Datgel
DATA SOLUTIONS
Geotechnics • Geoenvironment • Laboratory

TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Dissipation Test - V-Diss Test Multi

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	61





- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m



TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - V-Diss Test Multi	DRAWN	PMW	DATE	27/03/2011	
	CHECKED	PMW	DATE	27/03/2011	
	SCALE			Not To Scale	Let
	PROJECT No		FIGURE No		
	2.15		62		

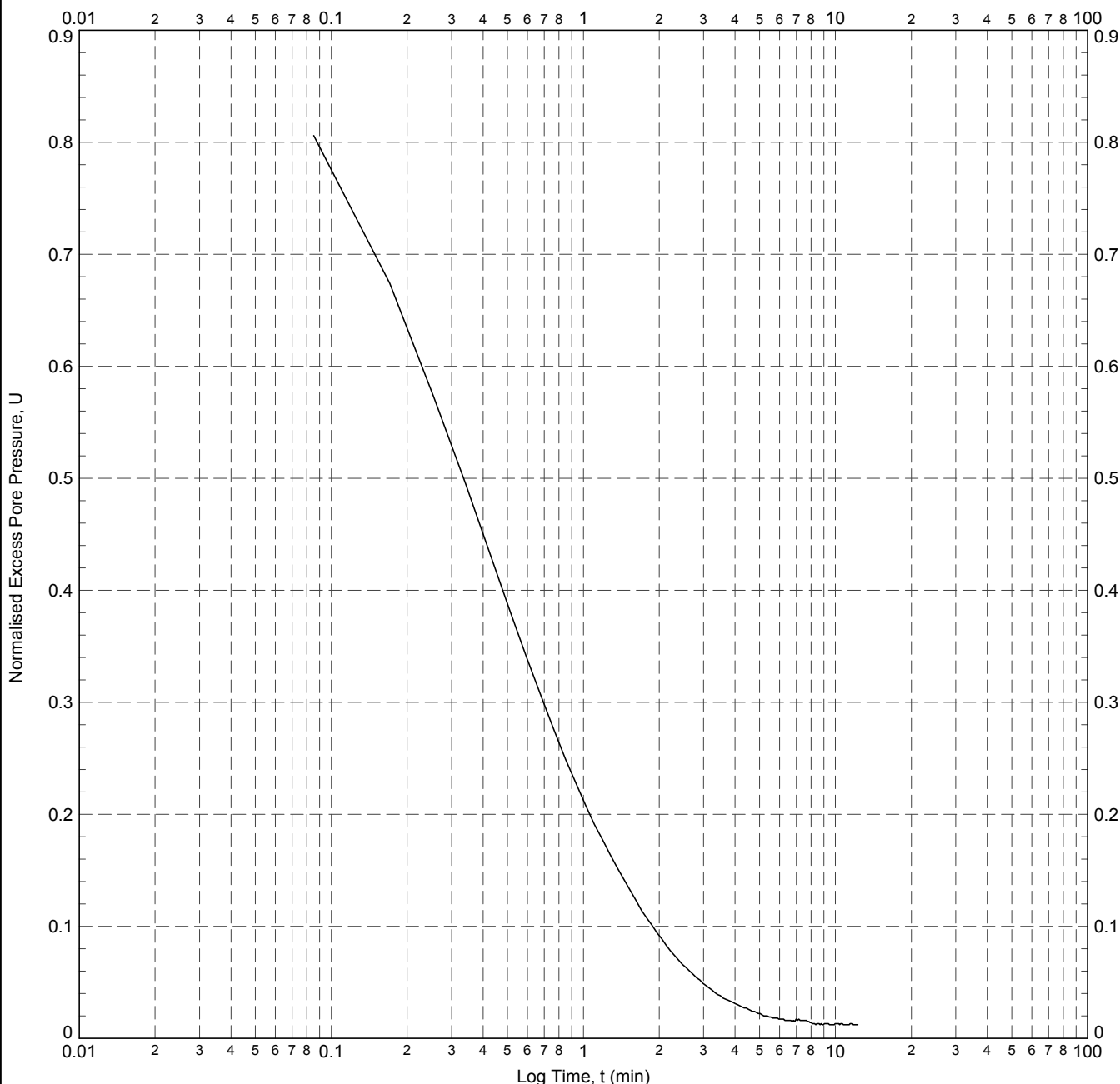
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	$1.50 \times 10^3 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	$5.00 \times 10^2 \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

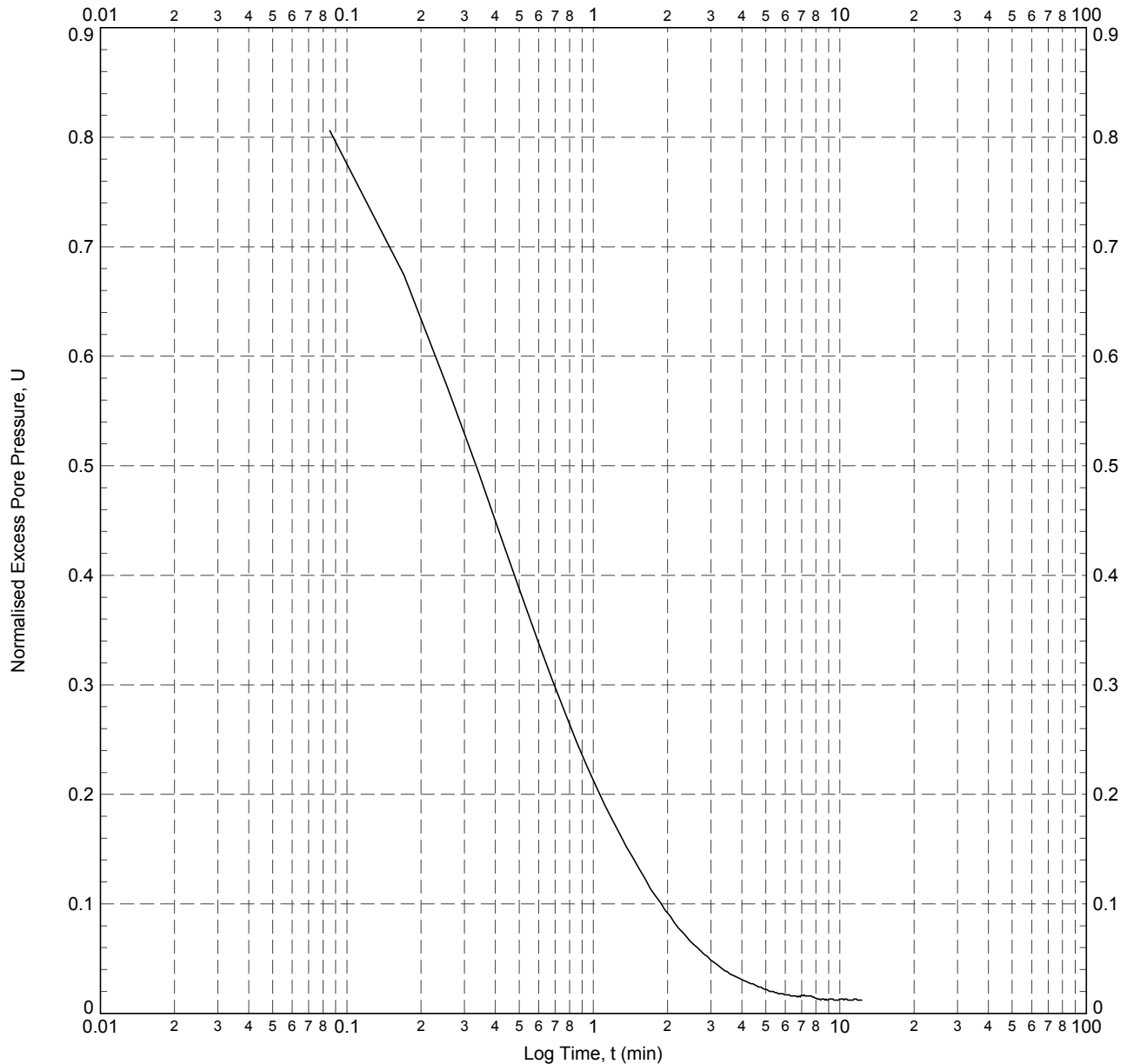
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



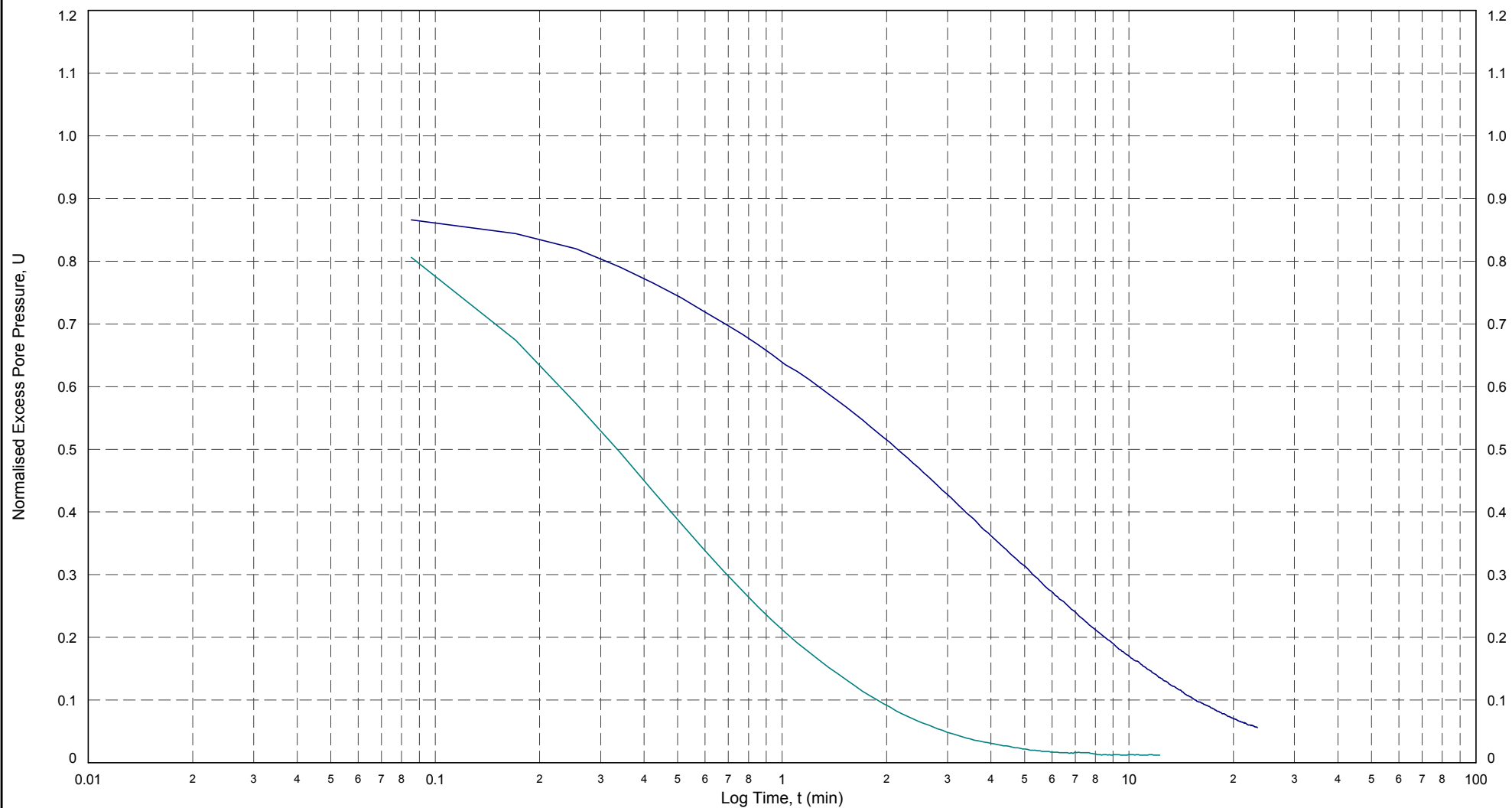
In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	$1.50 \times 10^3 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	$5.00 \times 10^2 \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB


ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

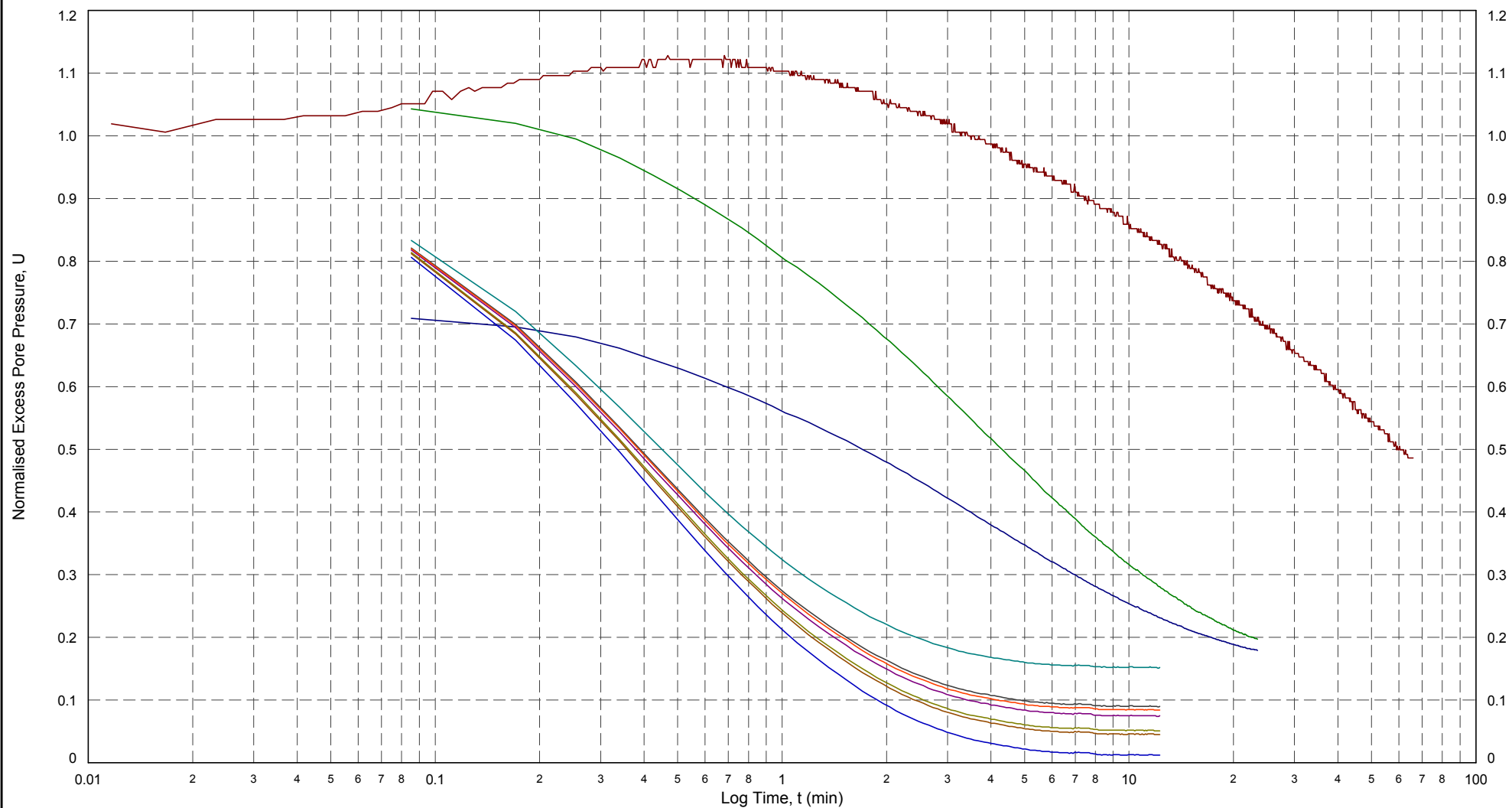
DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK




— 11.20 m
— 14.63 m

	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01		DRAWN	PMW	DATE	27/03/2011		
			CHECKED	PMW	DATE	27/03/2011		
			SCALE				Not To Scale	A4
			PROJECT No		2.15	FIGURE No		65



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m

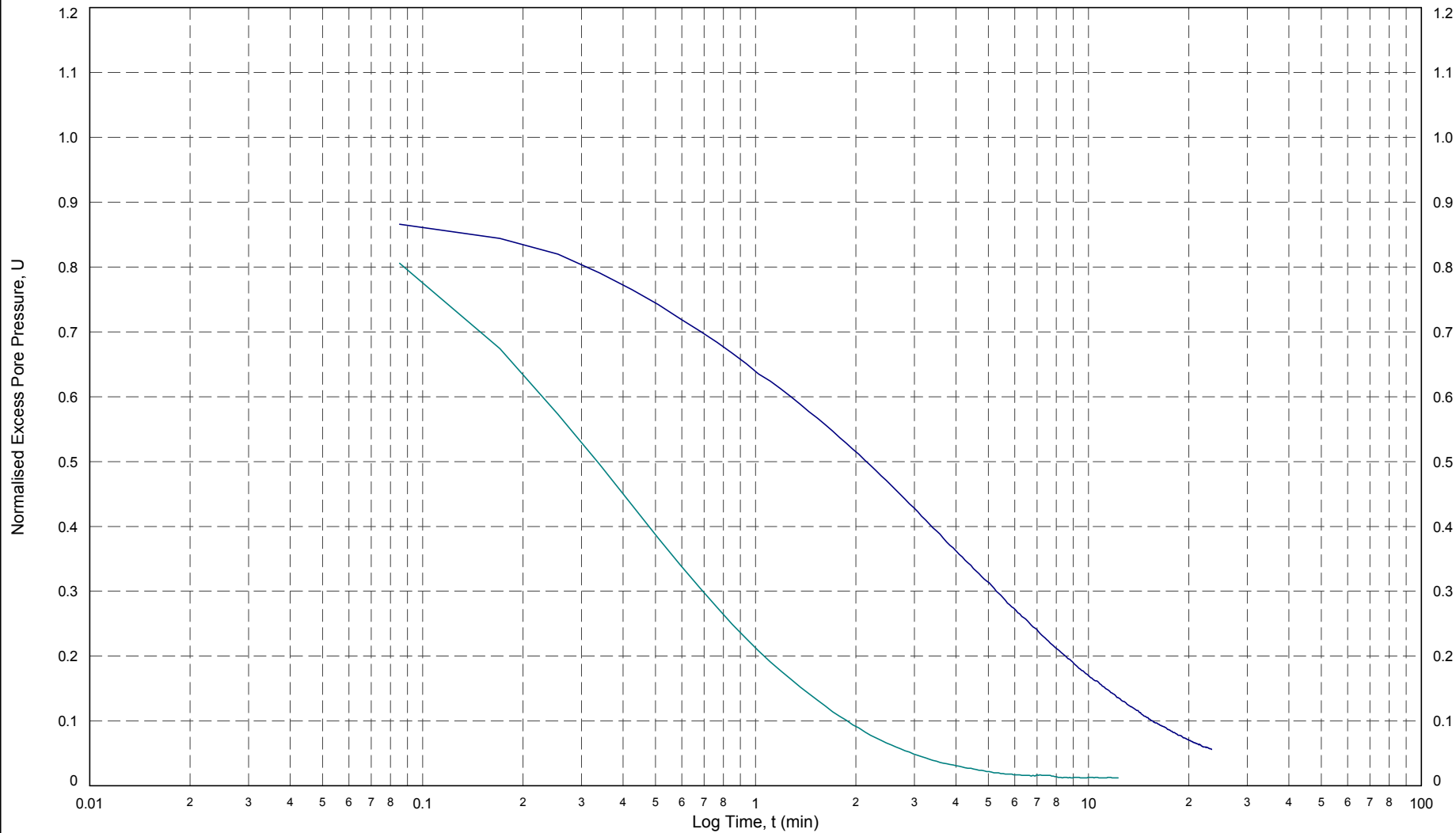


Datgel
DATA SOLUTIONS
Geotechnics • Geoenvironment • Laboratory

TITLE

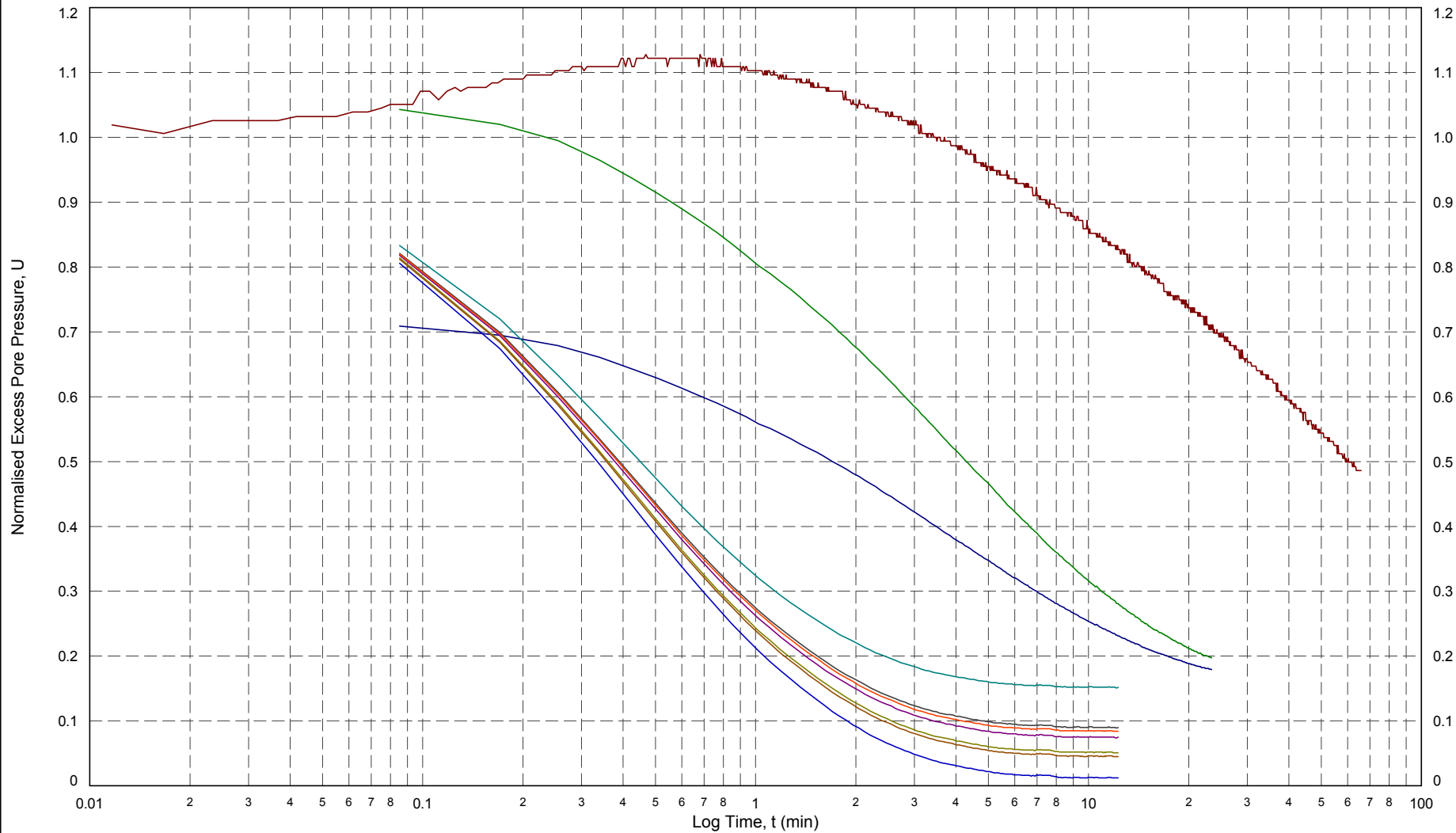
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Dissipation Test - V-Diss Test Multi

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	65



— 11.20 m
— 14.63 m

	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01		DRAWN PMW	DATE 27/03/2011
			CHECKED PMW	DATE 27/03/2011
			SCALE Not To Scale	
			PROJECT No 2.15	FIGURE No 66
			Let	



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m

	TITLE			DRAWN	PMW	DATE	27/03/2011
	CPT Client			CHECKED	PMW	DATE	27/03/2011
	ABC Engineering			SCALE			Let
	Somewhere			Not To Scale			
	CPT Tool Project			PROJECT No	2.15	FIGURE No	66
Dissipation Test - V-Diss Test Multi							

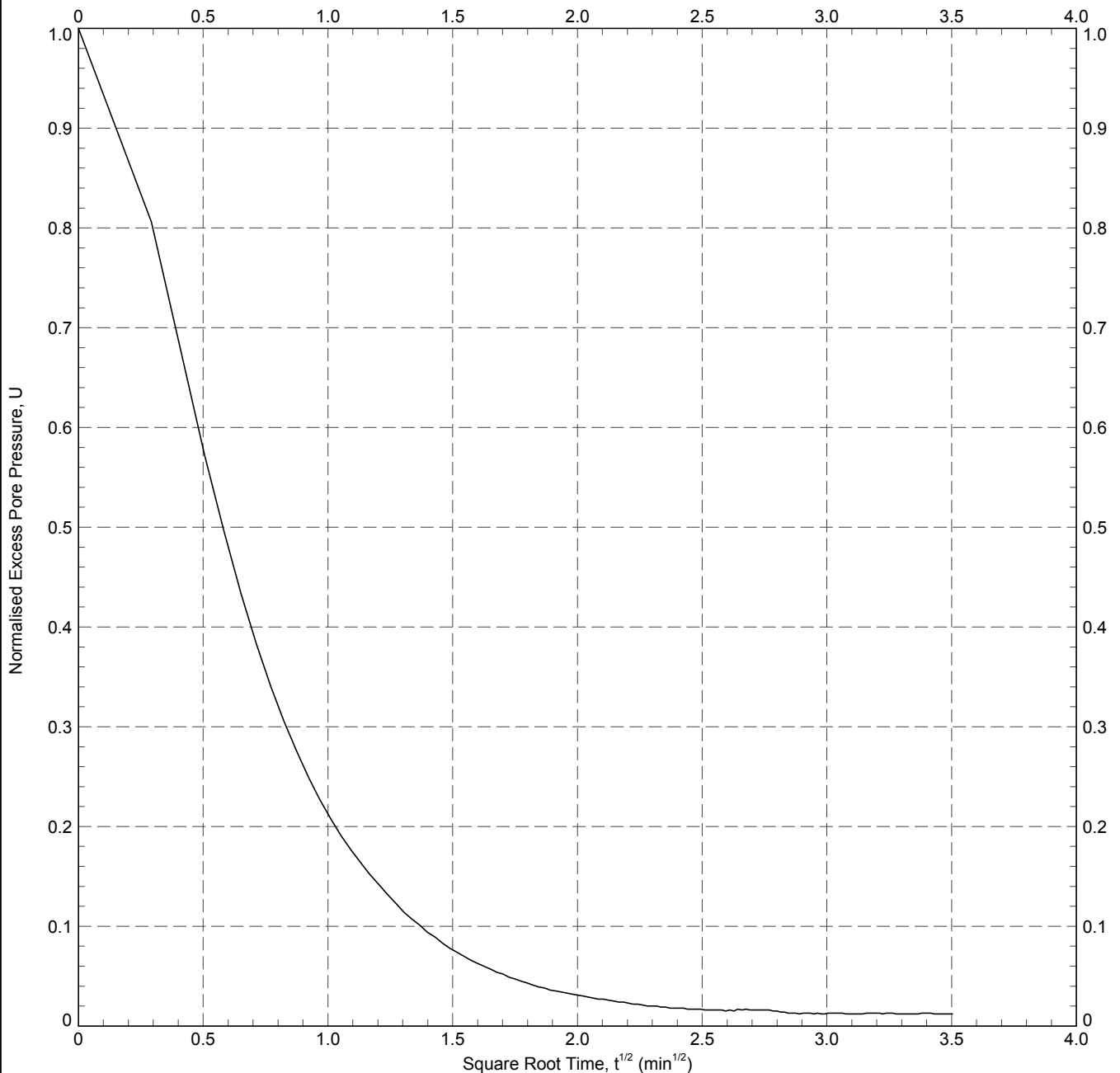
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	1.50×10^3 m ² /yr
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	5.00×10^2 m ² /yr
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

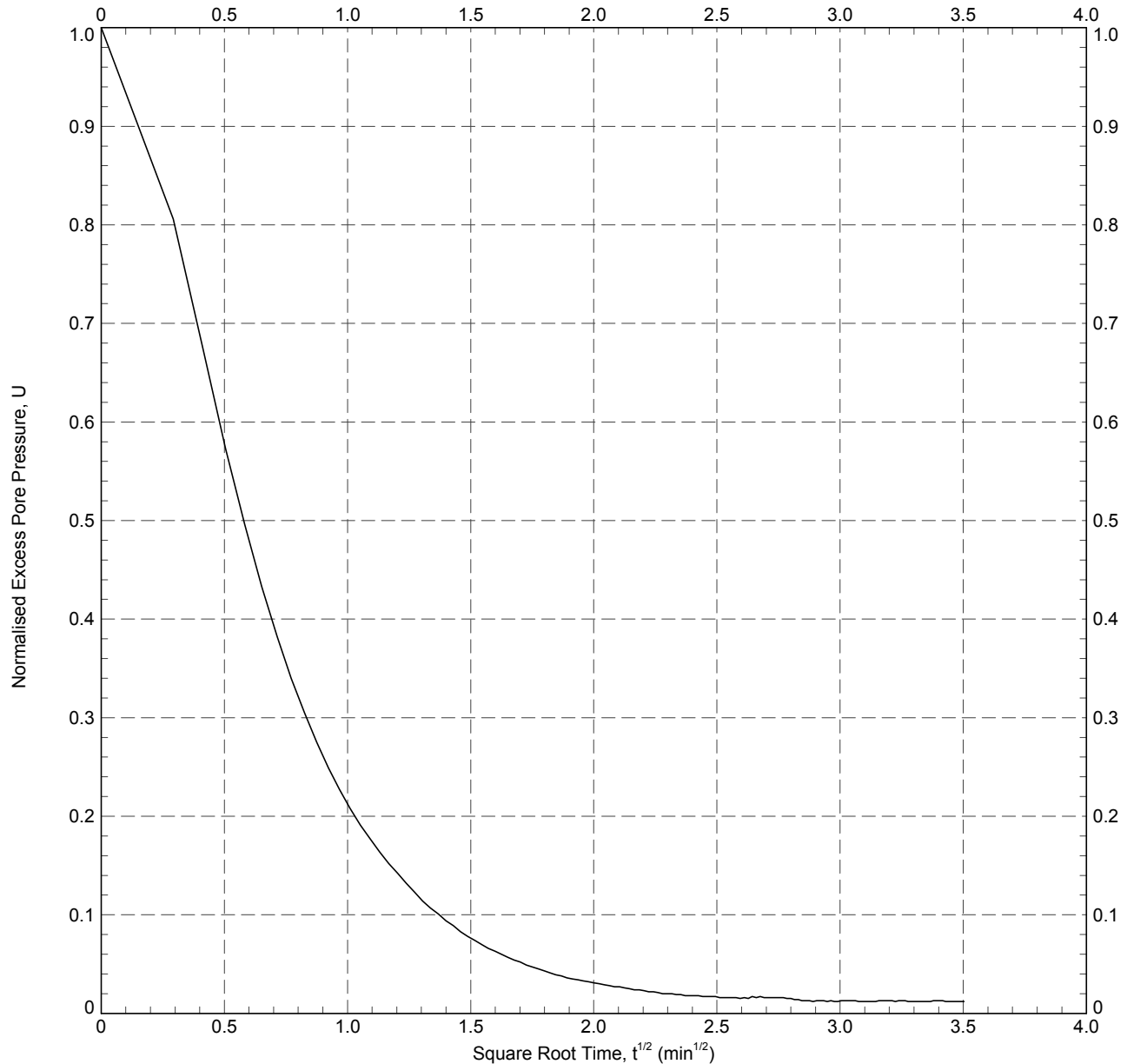
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	$1.50 \times 10^3 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	$5.00 \times 10^2 \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

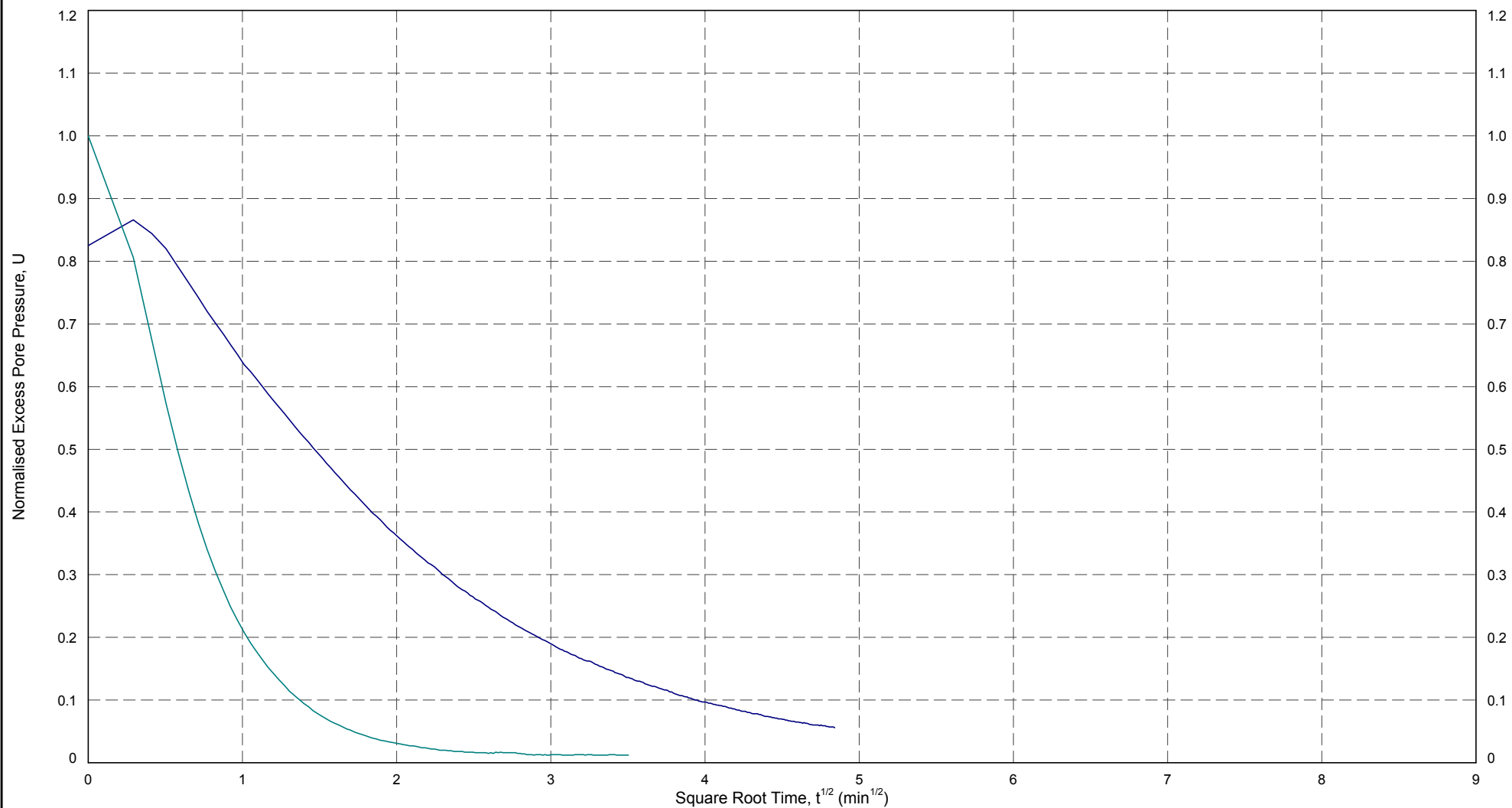
RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB


DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

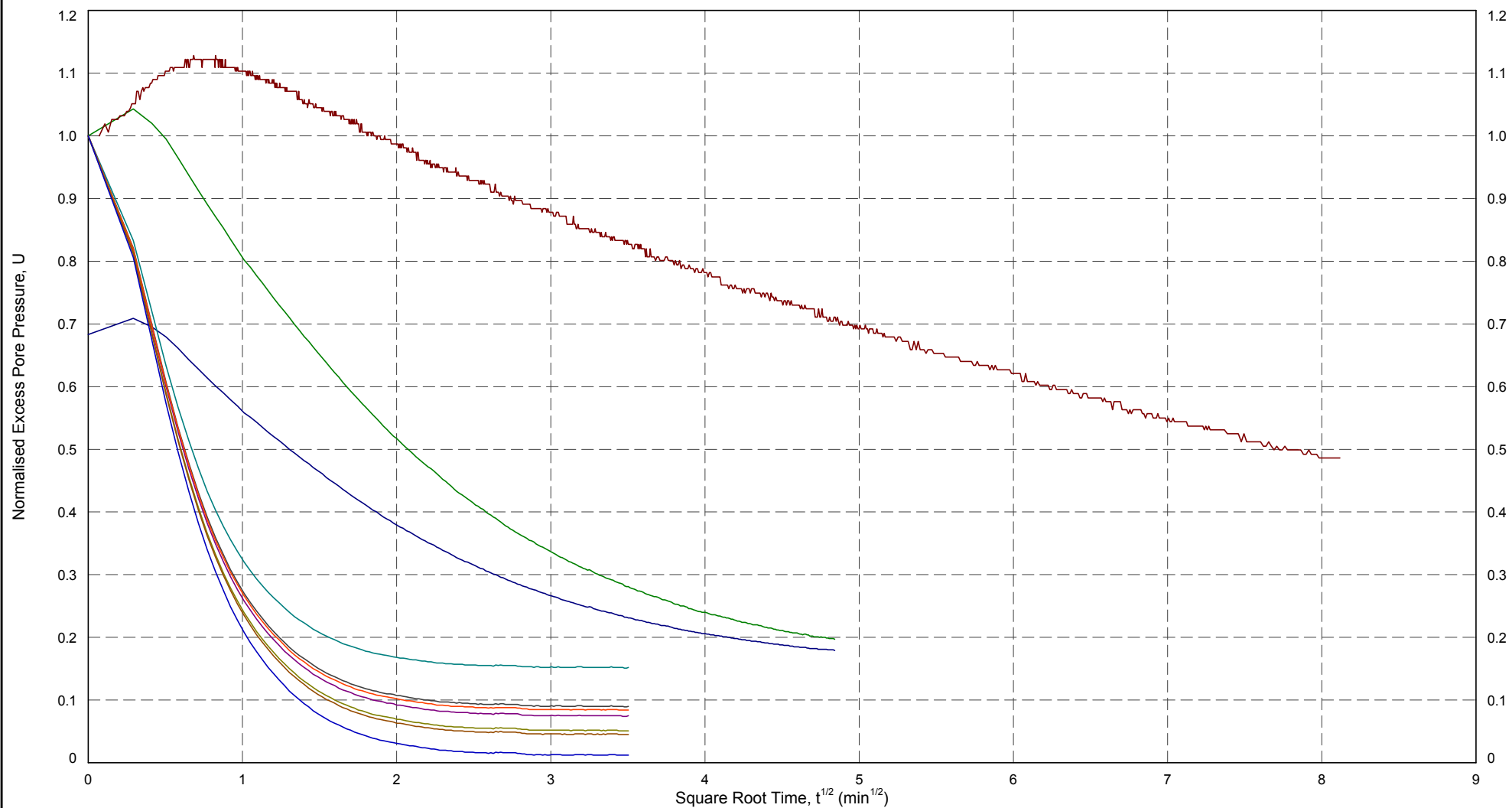
REMARK

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT DISS. NORMALISED EX U VS. SQR T LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:33 8.30.002 Datgel CPT Tool gINT Add-In




— 11.20 m
— 14.63 m

 <div>Datgel DATA SOLUTIONS Geotechnics • Geoenvironment • Laboratory</div>	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01		DRAWN	PMW	DATE	27/03/2011
			CHECKED	PMW	DATE	27/03/2011
			SCALE	Not To Scale		A4
			PROJECT No	2.15	FIGURE No	69



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m

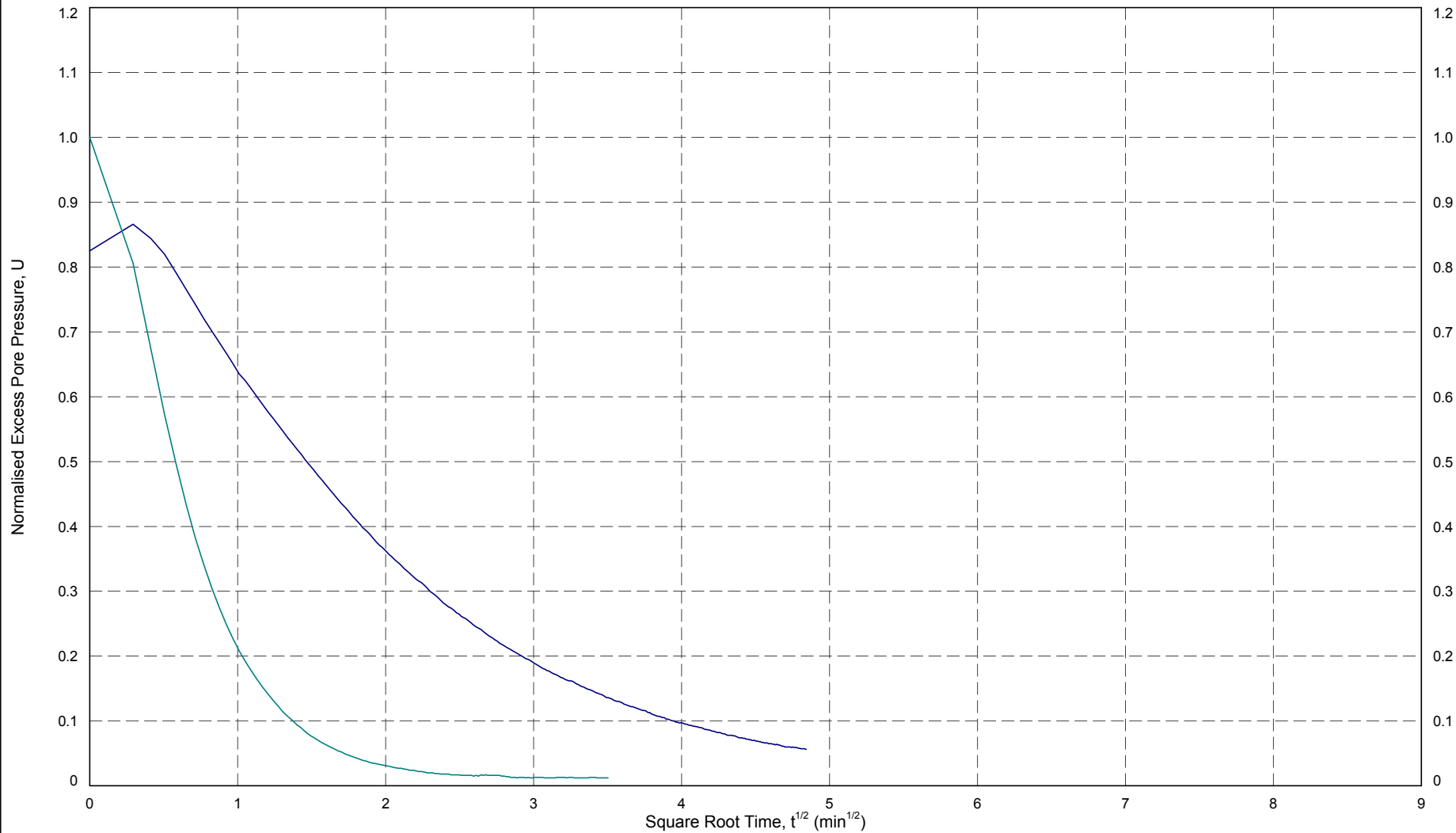


Datgel
DATA SOLUTIONS
Geotechnics • Geoenvironment • Laboratory

TITLE

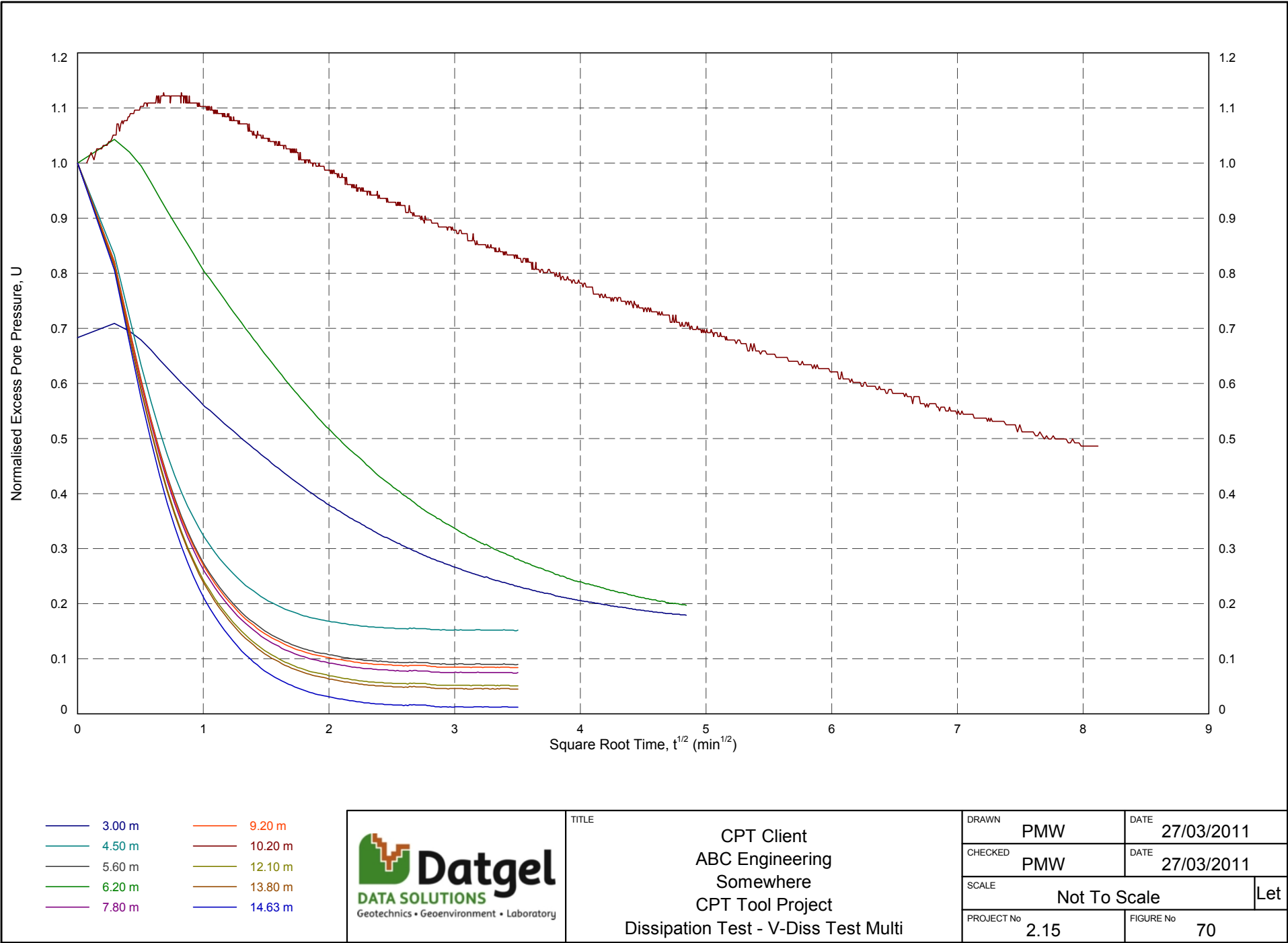
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Dissipation Test - V-Diss Test Multi

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	69



— 11.20 m
— 14.63 m

 <div><div>TITLE</div><div>CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01</div></div>	DRAWN	PMW	DATE	27/03/2011	
	CHECKED	PMW	DATE	27/03/2011	
	SCALE	Not To Scale			Let
	PROJECT No	2.15	FIGURE No	70	



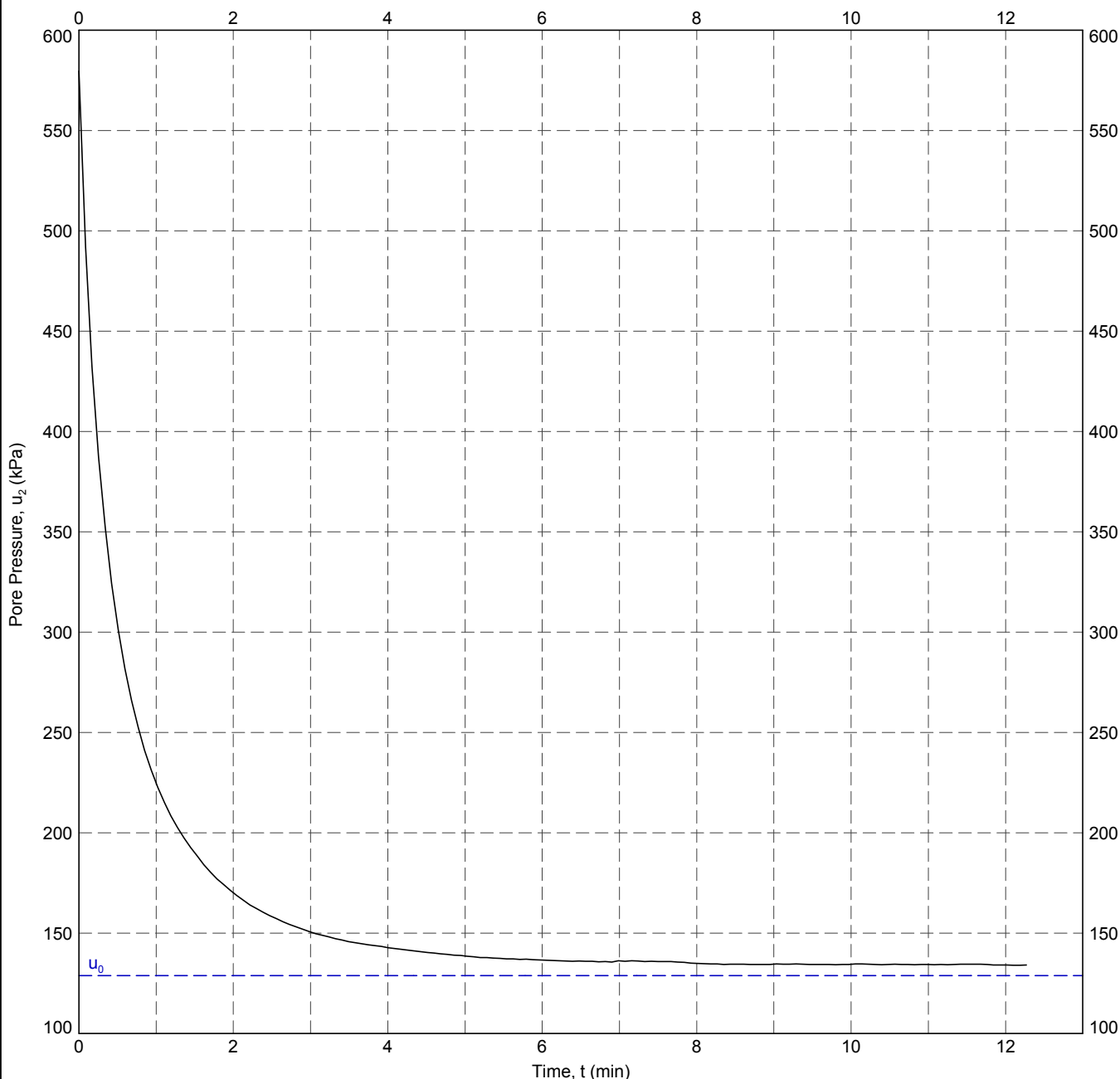
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 128.76 kPa
Initial Pore Pressure, u_i : 579.6 kPa
Final Pore Pressure: 579.640255 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 354.06 kPa
Time for 50% Dissipation, t_{50} : 0.34 min

Horizontal Coefficient of Consolidation, c_h : $1.50 \times 10^3 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 3
Vertical Coefficient of Consolidation, c_v : $5.00 \times 10^2 \text{ m}^2/\text{yr}$

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

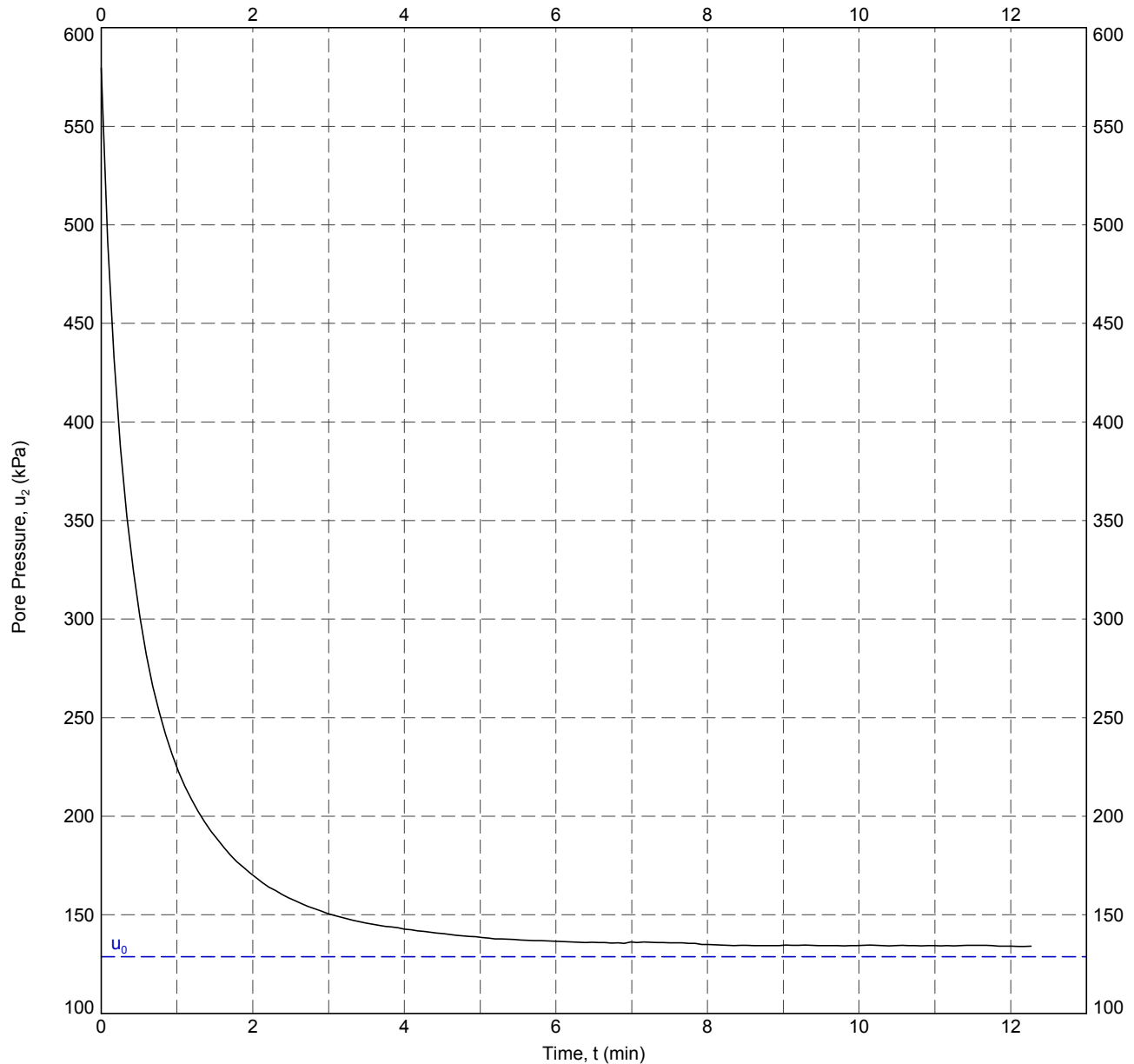
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 128.76 kPa
Initial Pore Pressure, u_i : 579.6 kPa
Final Pore Pressure: 579.640255 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 354.06 kPa
Time for 50% Dissipation, t_{50} : 0.34 min

Horizontal Coefficient of Consolidation, c_h : $1.50 \times 10^3 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 3
Vertical Coefficient of Consolidation, c_v : $5.00 \times 10^2 \text{ m}^2/\text{yr}$

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

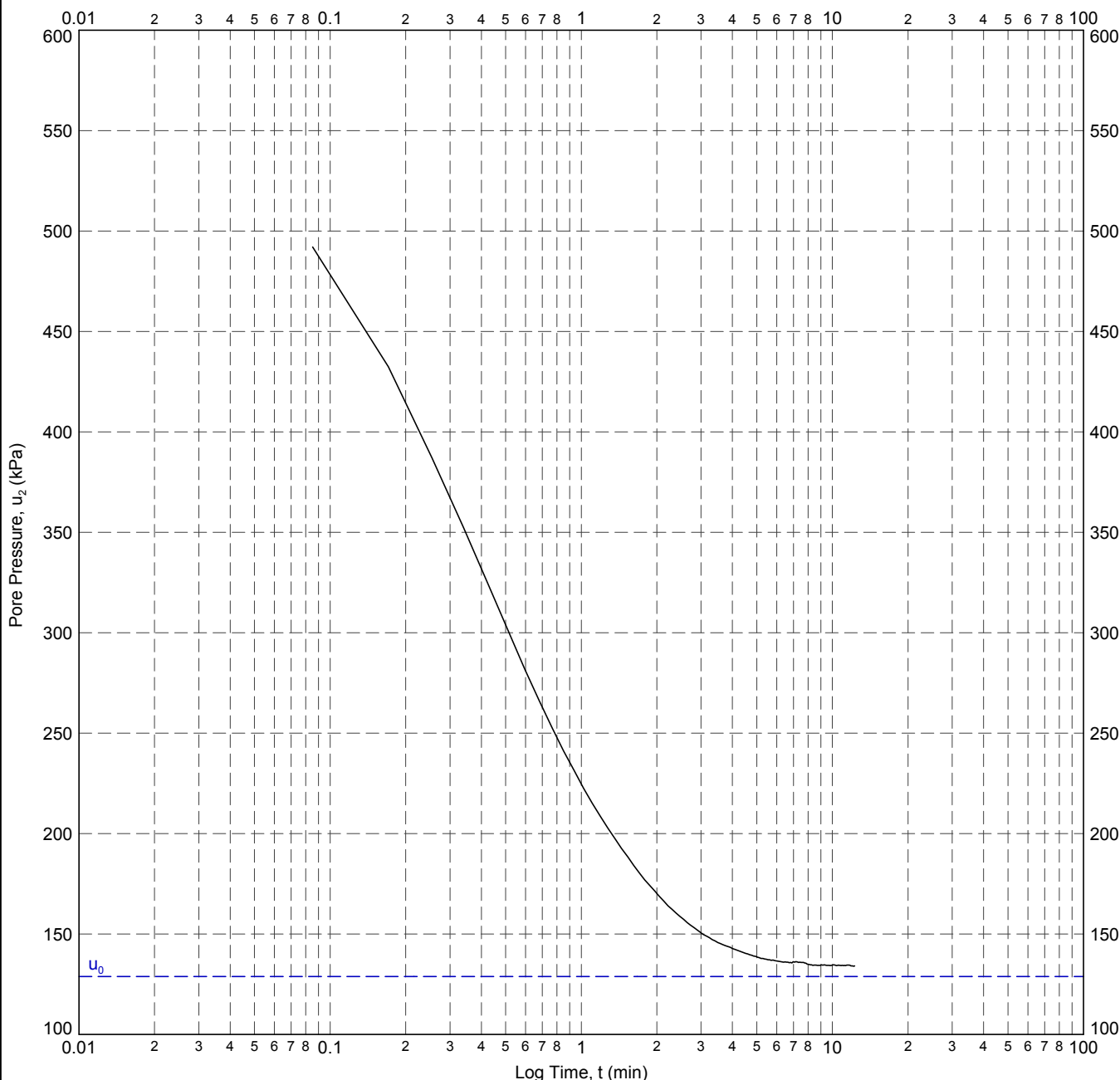
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 128.76 kPa
Initial Pore Pressure, u_i : 579.6 kPa
Final Pore Pressure: 579.640255 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 354.06 kPa
Time for 50% Dissipation, t_{50} : 0.34 min

Horizontal Coefficient of Consolidation, c_h : $1.50 \times 10^3 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 3
Vertical Coefficient of Consolidation, c_v : $5.00 \times 10^2 \text{ m}^2/\text{yr}$

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

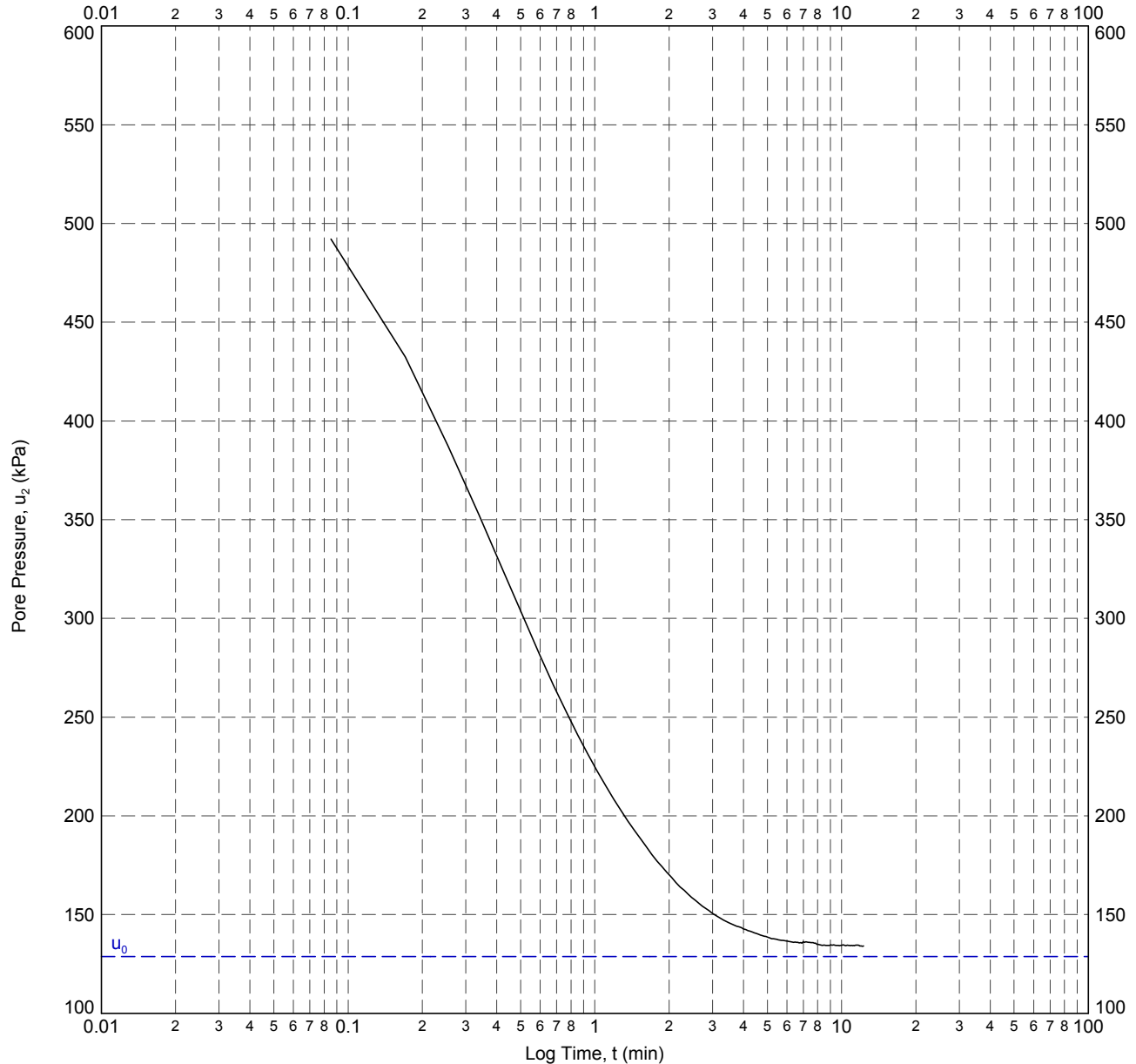
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V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



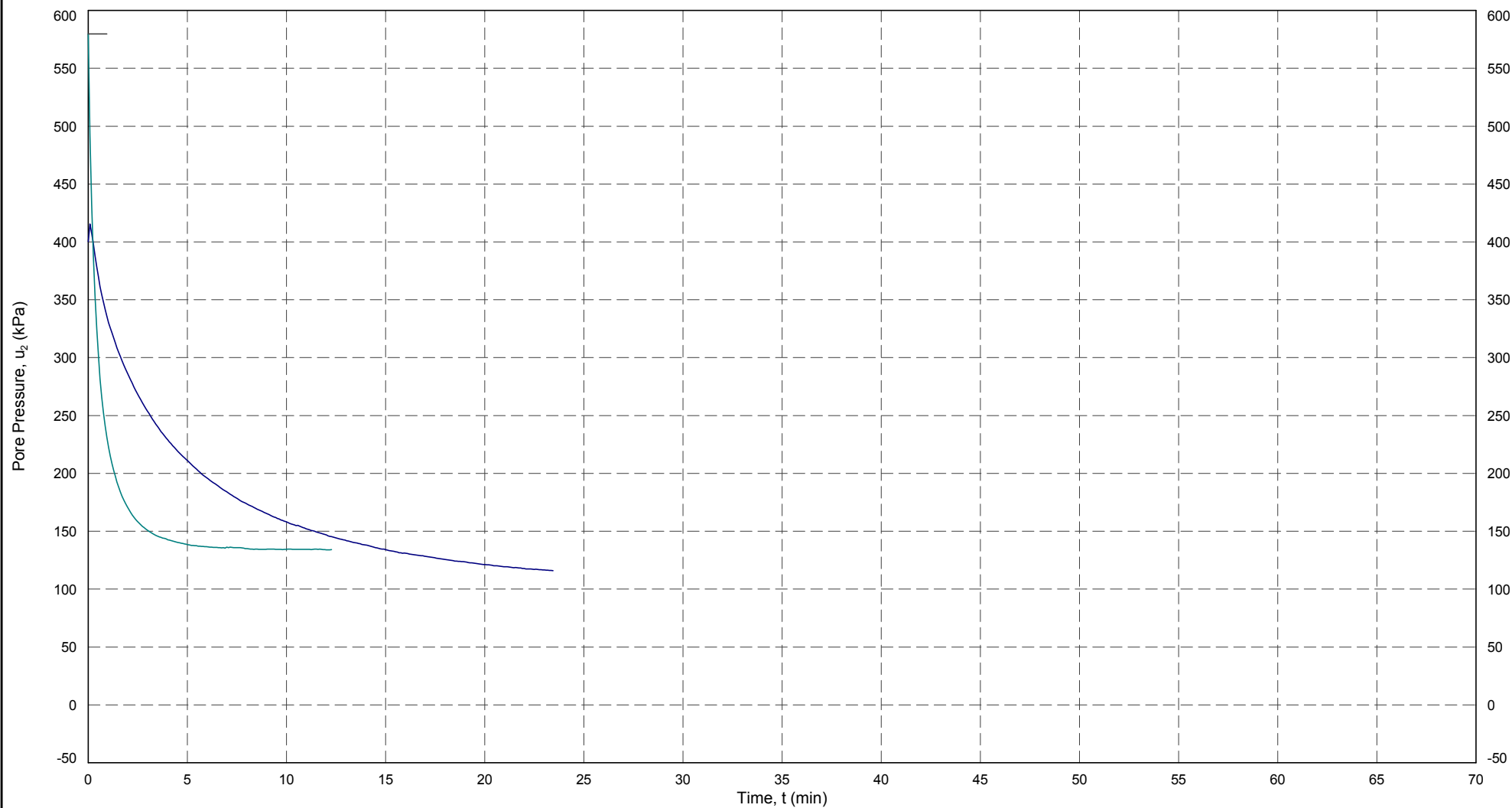
In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	$1.50 \times 10^3 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	$5.00 \times 10^2 \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB


ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

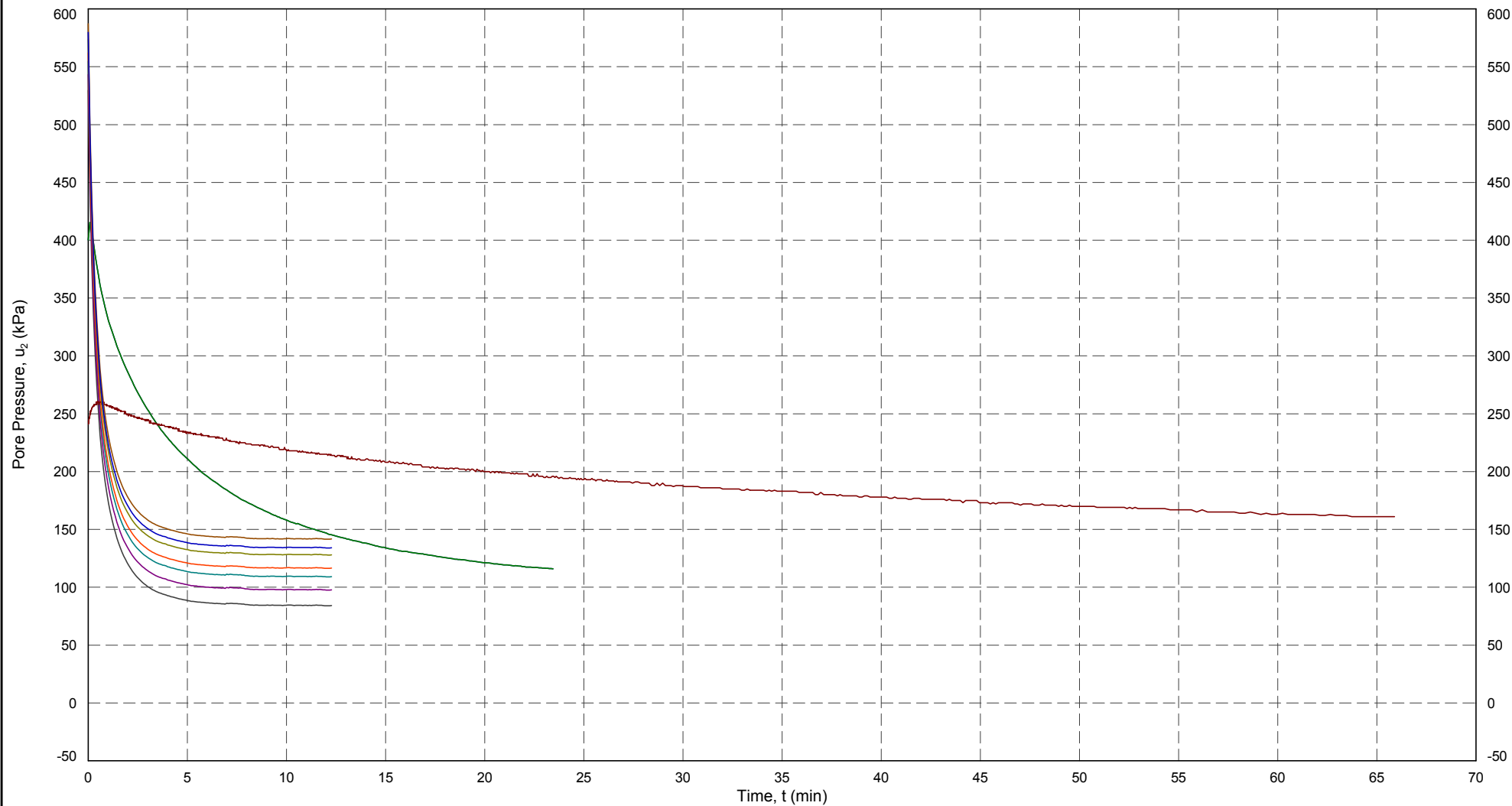
DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK




— 11.20 m
— 14.63 m
— 16.00 m

 <div>Datgel DATA SOLUTIONS Geotechnics • Geoenvironment • Laboratory</div>	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01	DRAWN	PMW	DATE	27/03/2011	
		CHECKED	PMW	DATE	27/03/2011	
		SCALE				A4
		Not To Scale				
		PROJECT No	2.15	FIGURE No	75	



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m

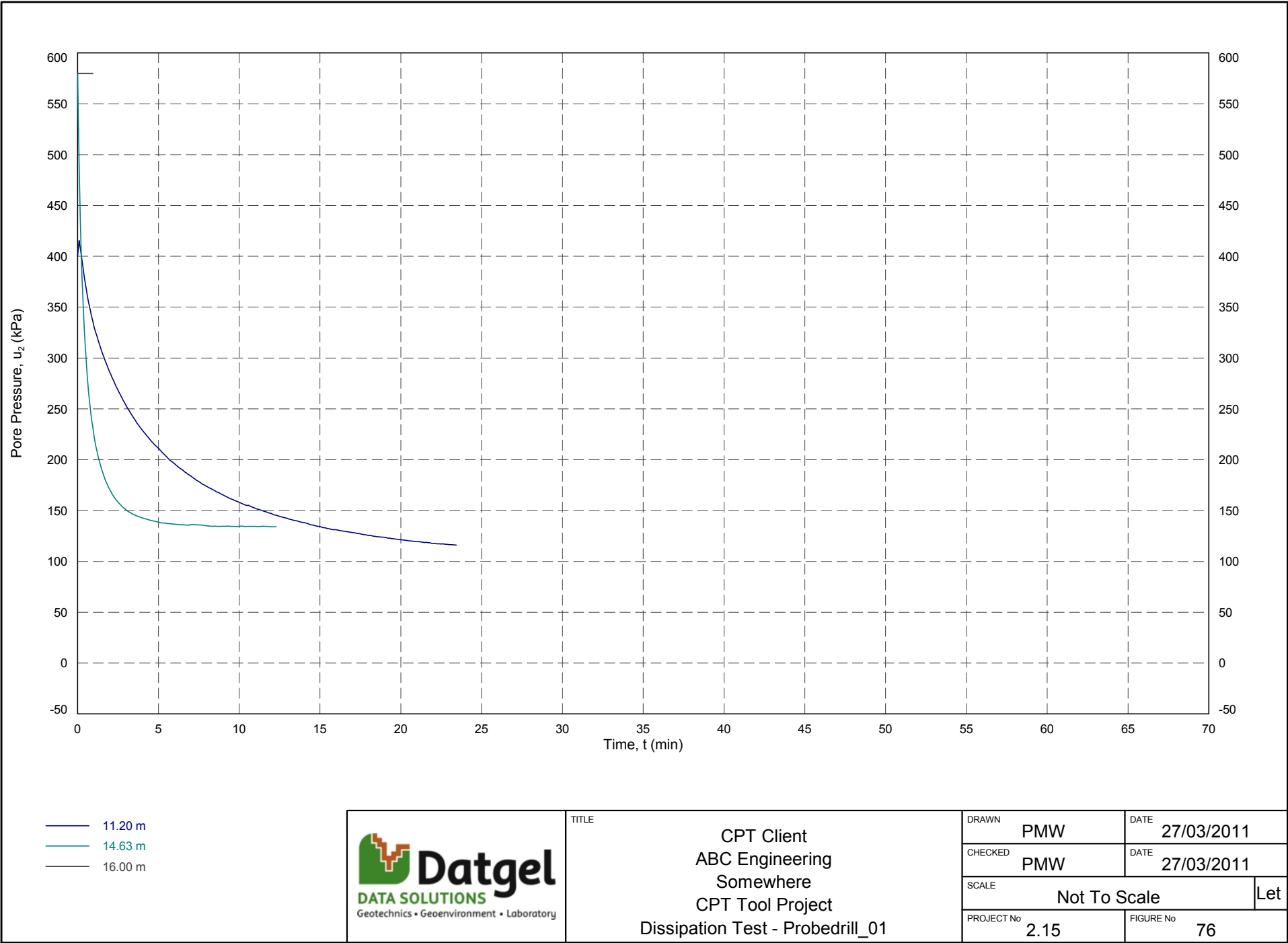


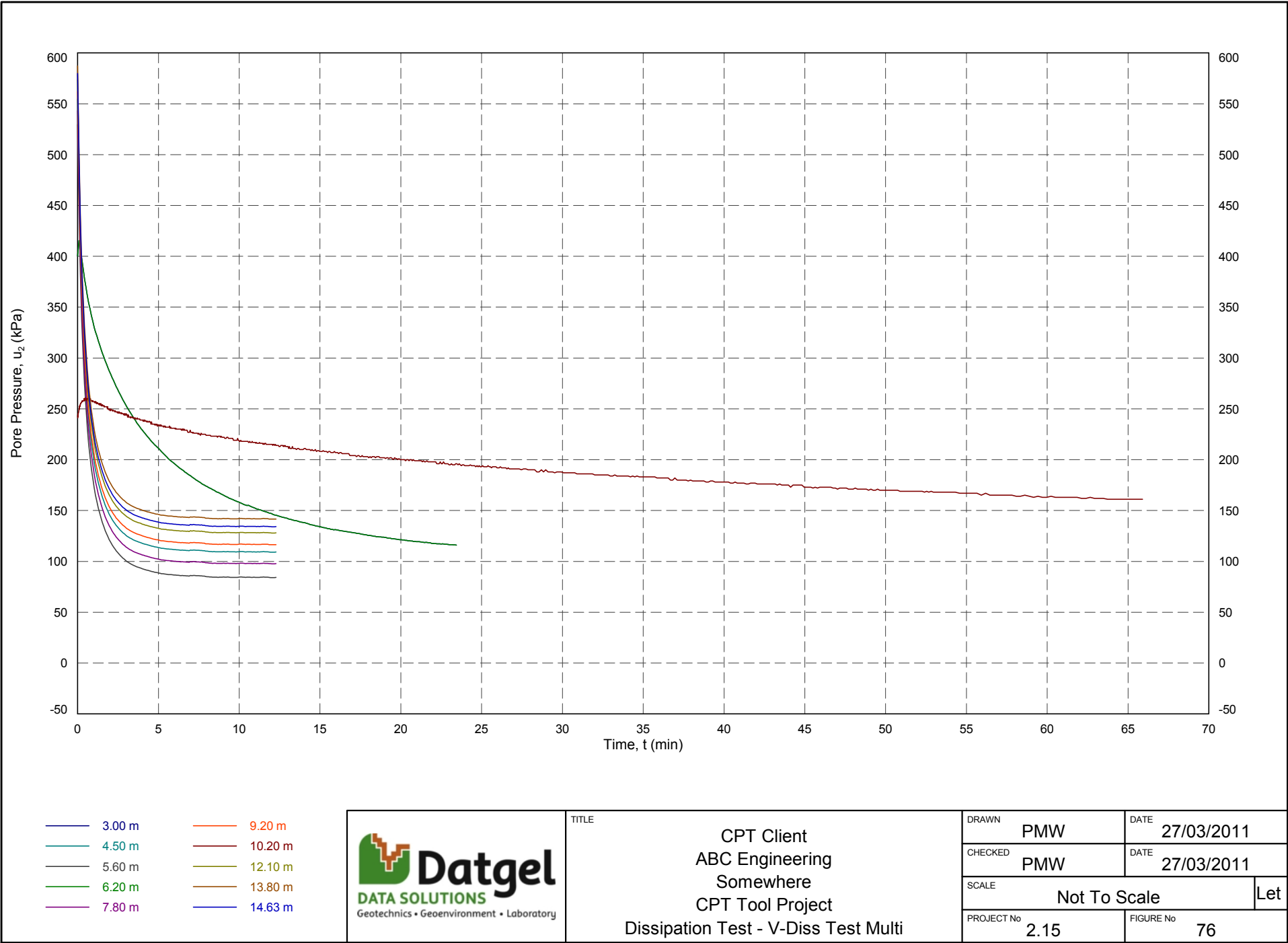
Datgel
DATA SOLUTIONS
Geotechnics • Geoenvironment • Laboratory

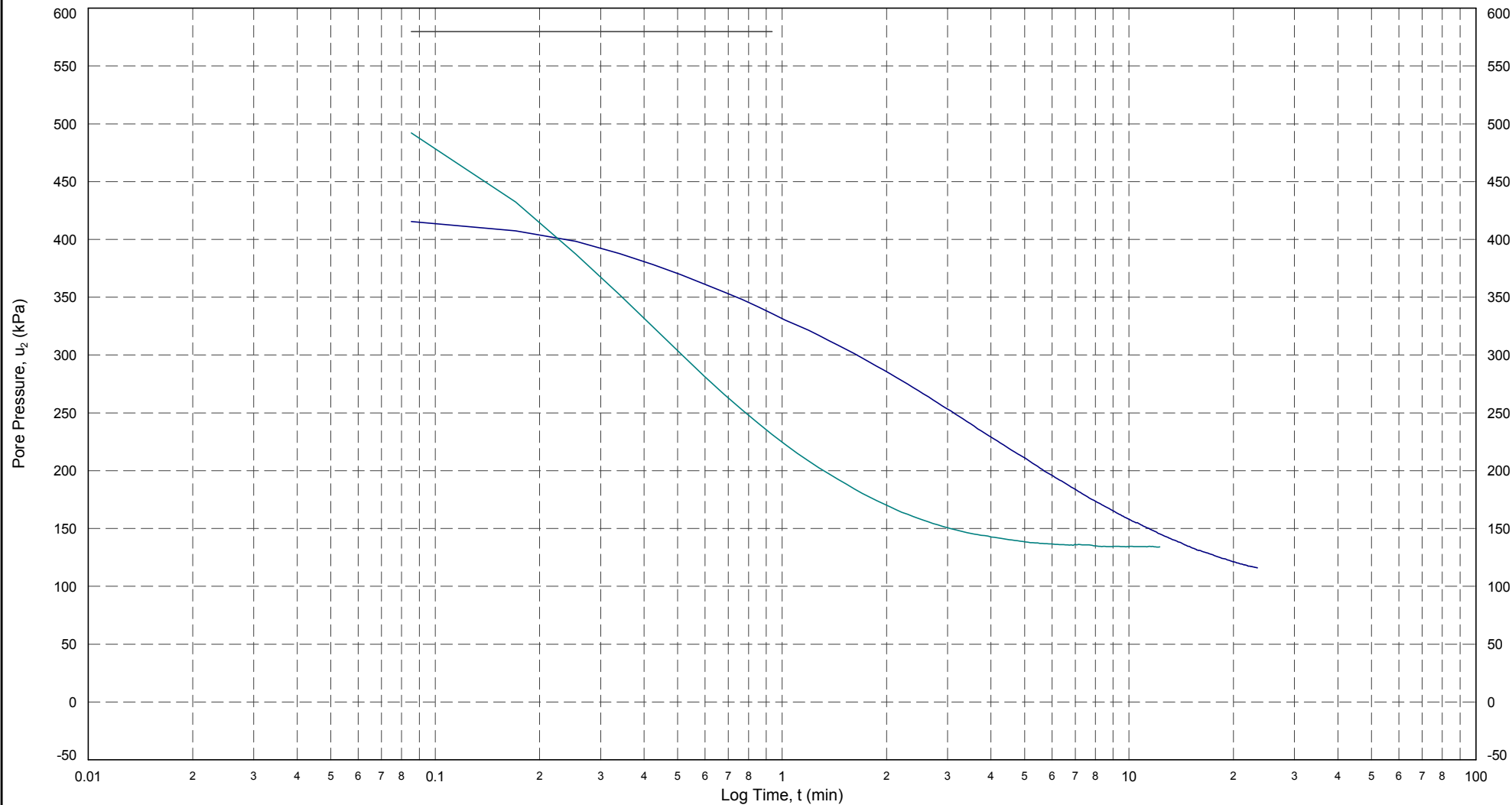
TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Dissipation Test - V-Diss Test Multi


DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	75

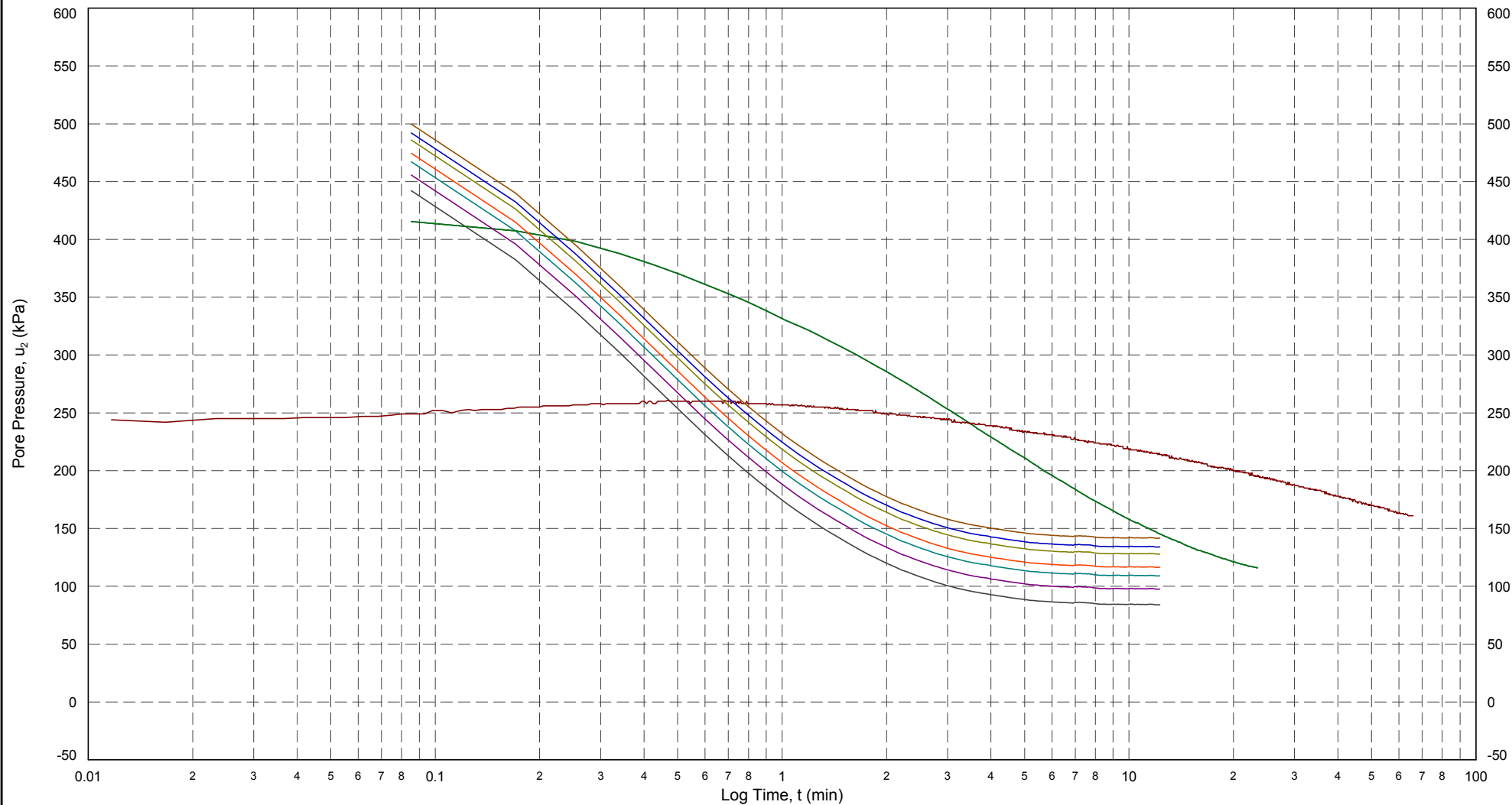







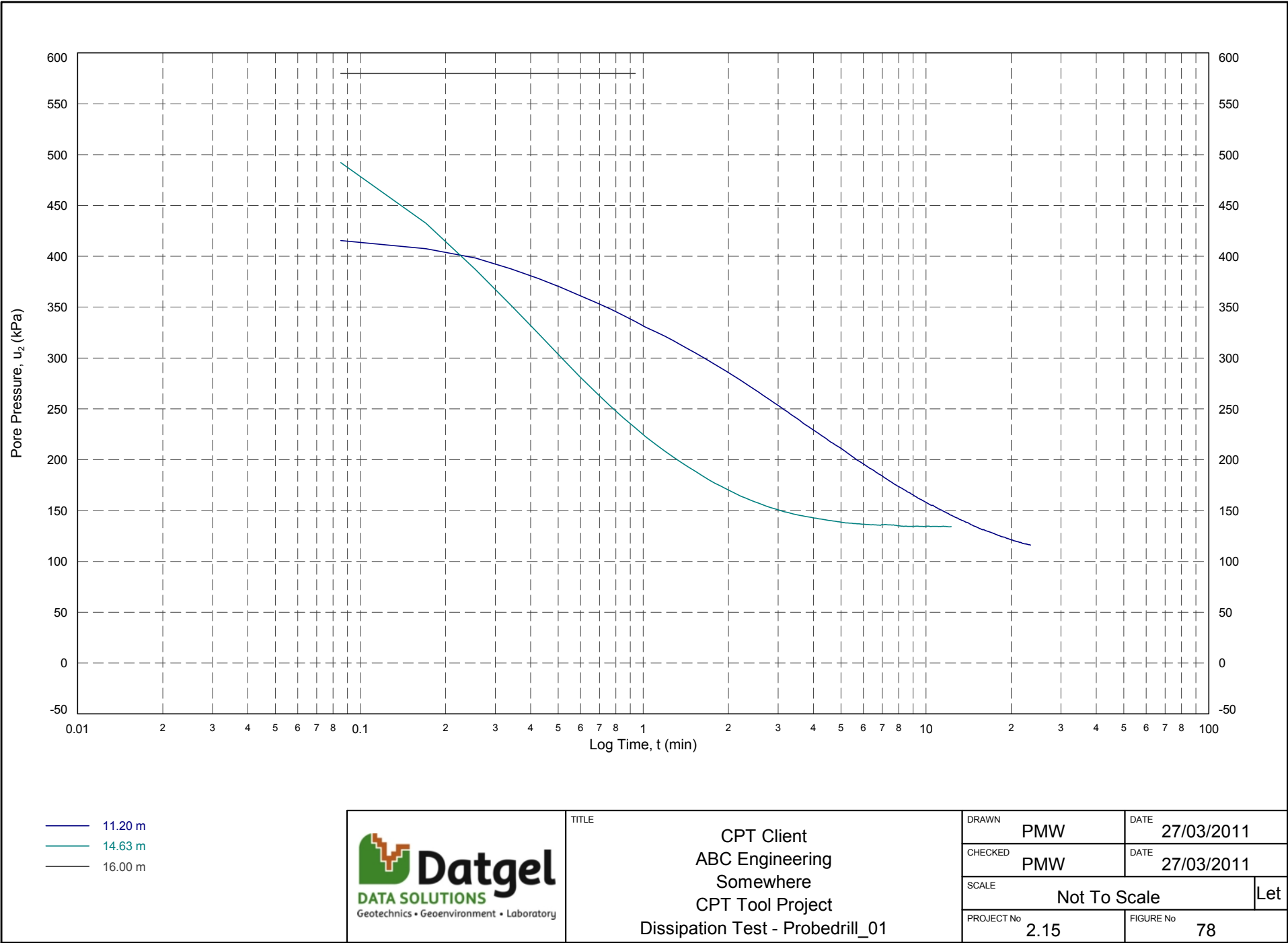
— 11.20 m
— 14.63 m
— 16.00 m

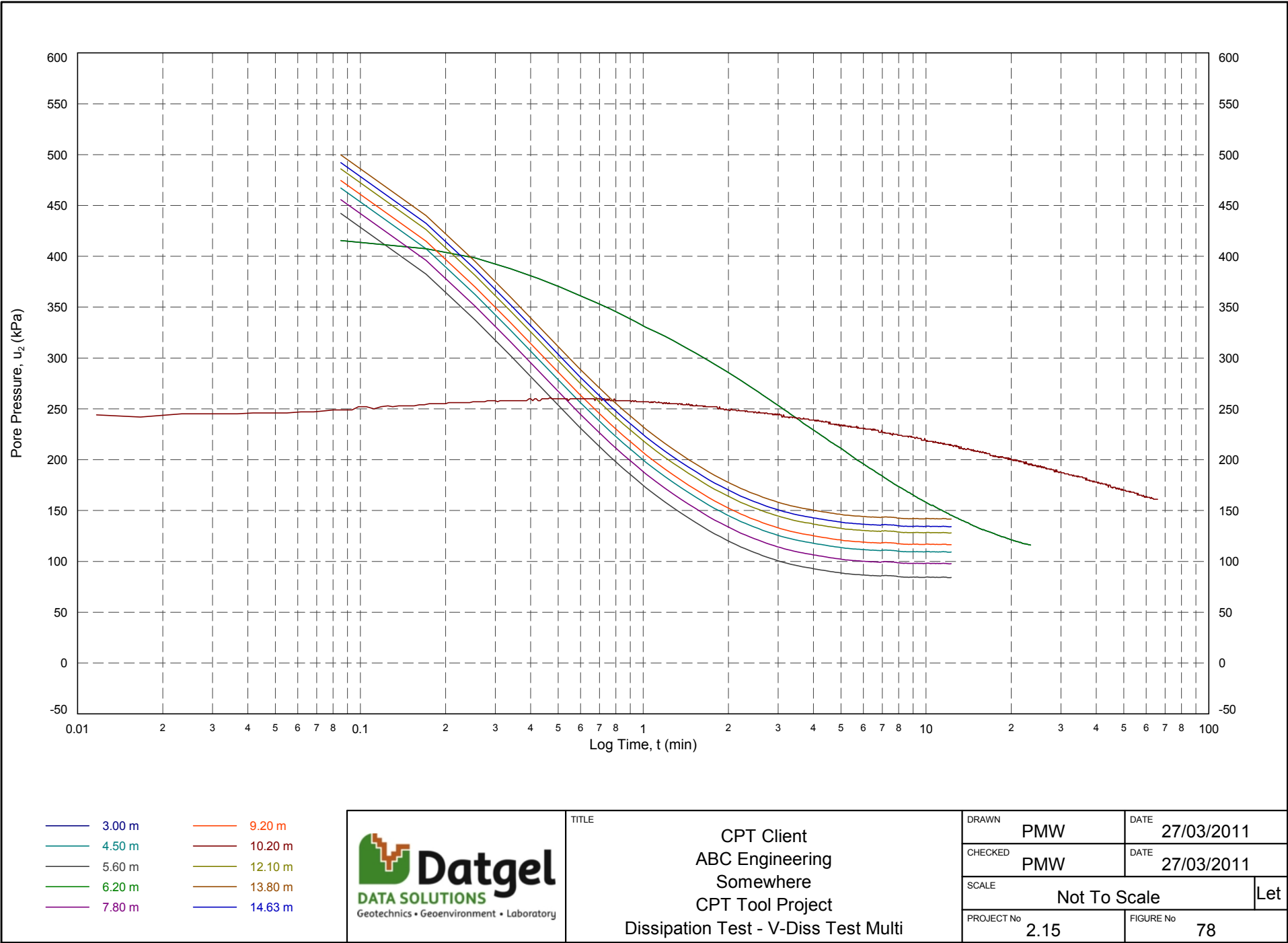
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		CHECKED	PMW	DATE	27/03/2011	
		SCALE				A4
		PROJECT No		FIGURE No		
		2.15		77		

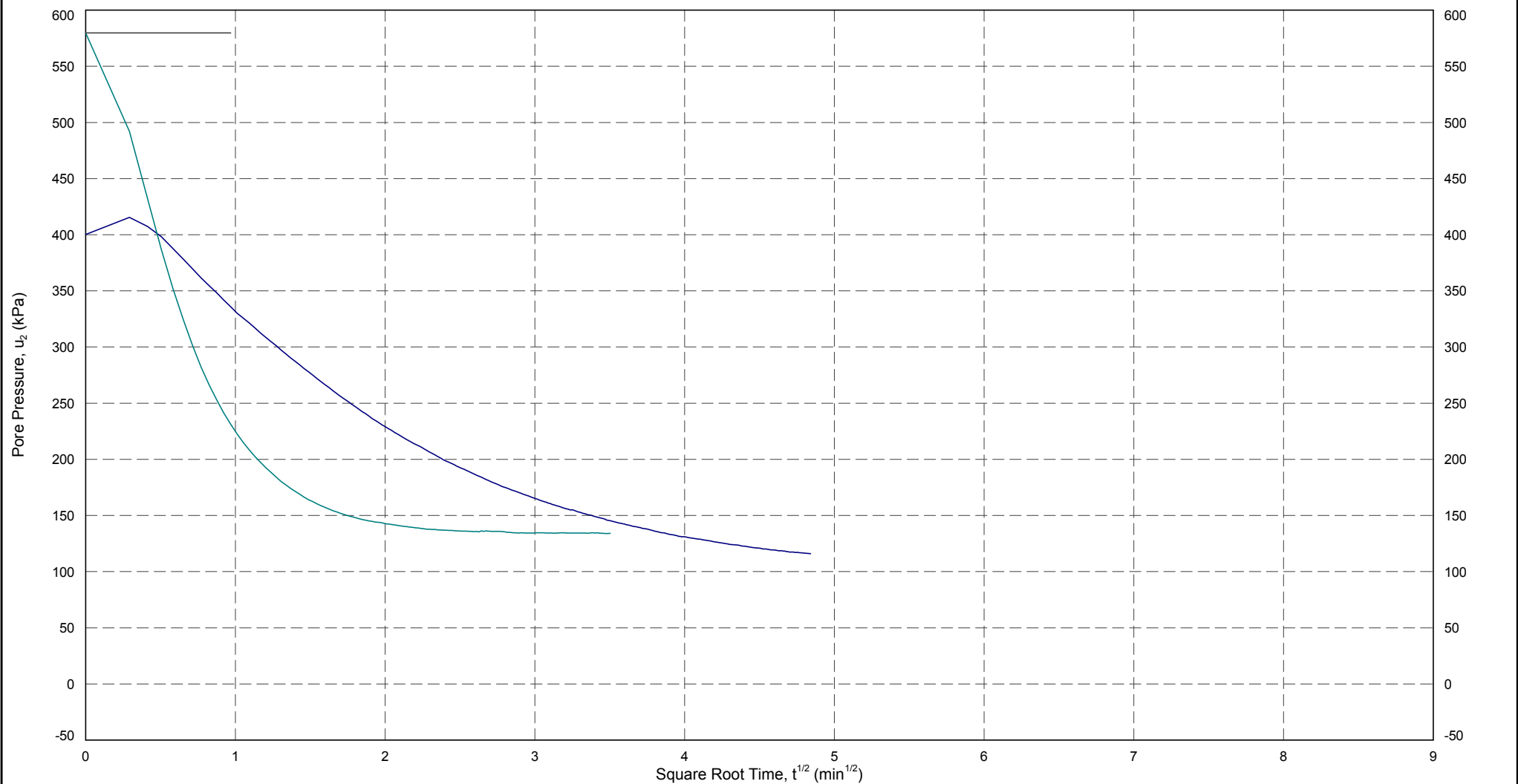


- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m


 <div>Datgel DATA SOLUTIONS Geotechnics • Geoenvironment • Laboratory</div>	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - V-Diss Test Multi	DRAWN PMW	DATE 27/03/2011	
		CHECKED PMW	DATE 27/03/2011	
		SCALE Not To Scale		A4
		PROJECT No 2.15	FIGURE No 77	

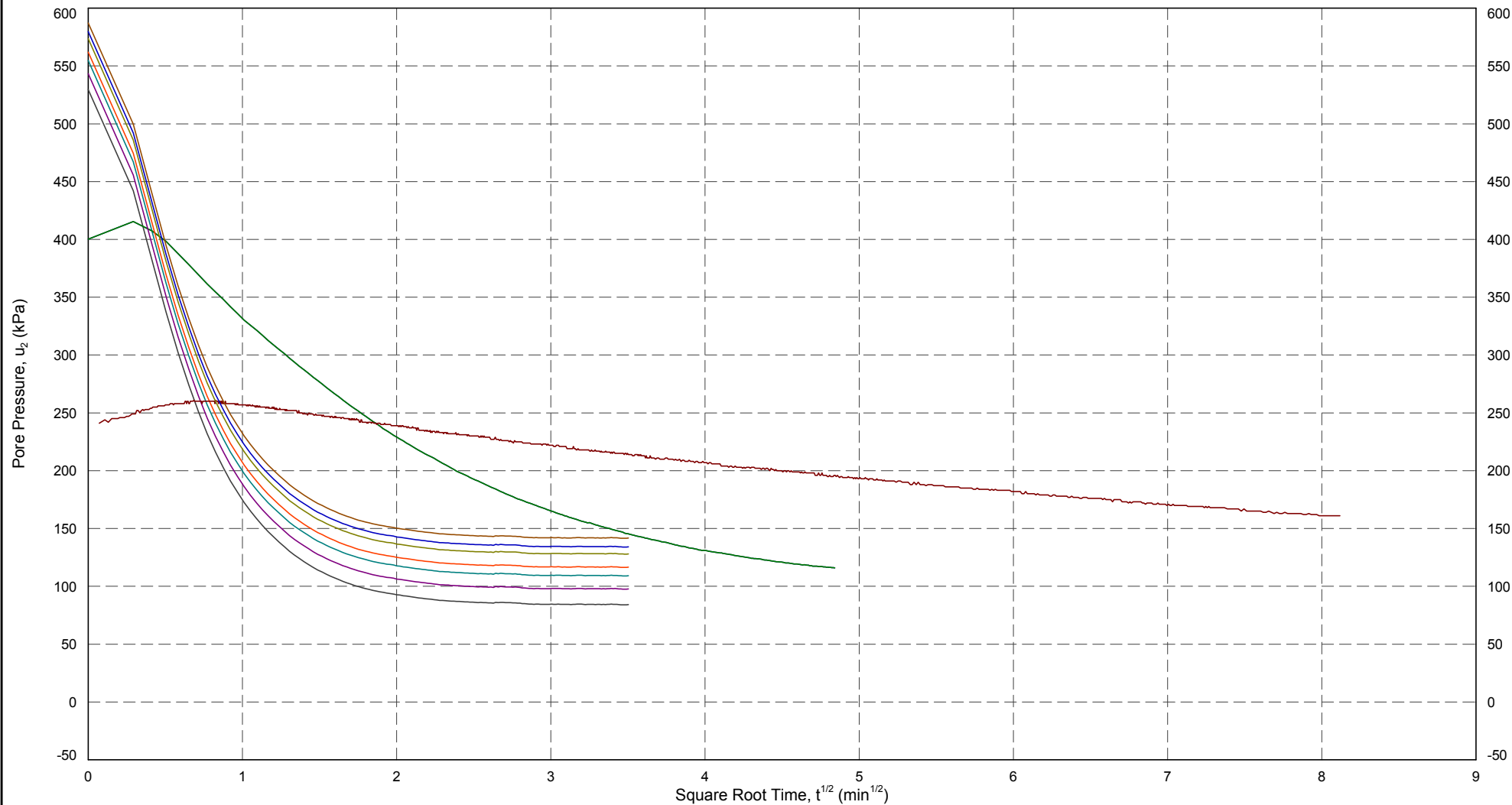






— 11.20 m
— 14.63 m
— 16.00 m

	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - Probedrill_01	DRAWN	PMW	DATE	27/03/2011	
		CHECKED	PMW	DATE	27/03/2011	
		SCALE				A4
		Not To Scale				
		PROJECT No		2.15	FIGURE No	



- 3.00 m
- 4.50 m
- 5.60 m
- 6.20 m
- 7.80 m
- 9.20 m
- 10.20 m
- 12.10 m
- 13.80 m
- 14.63 m



TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Dissipation Test - V-Diss Test Multi		DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	
		PROJECT No 2.15	FIGURE No 79
		A4	

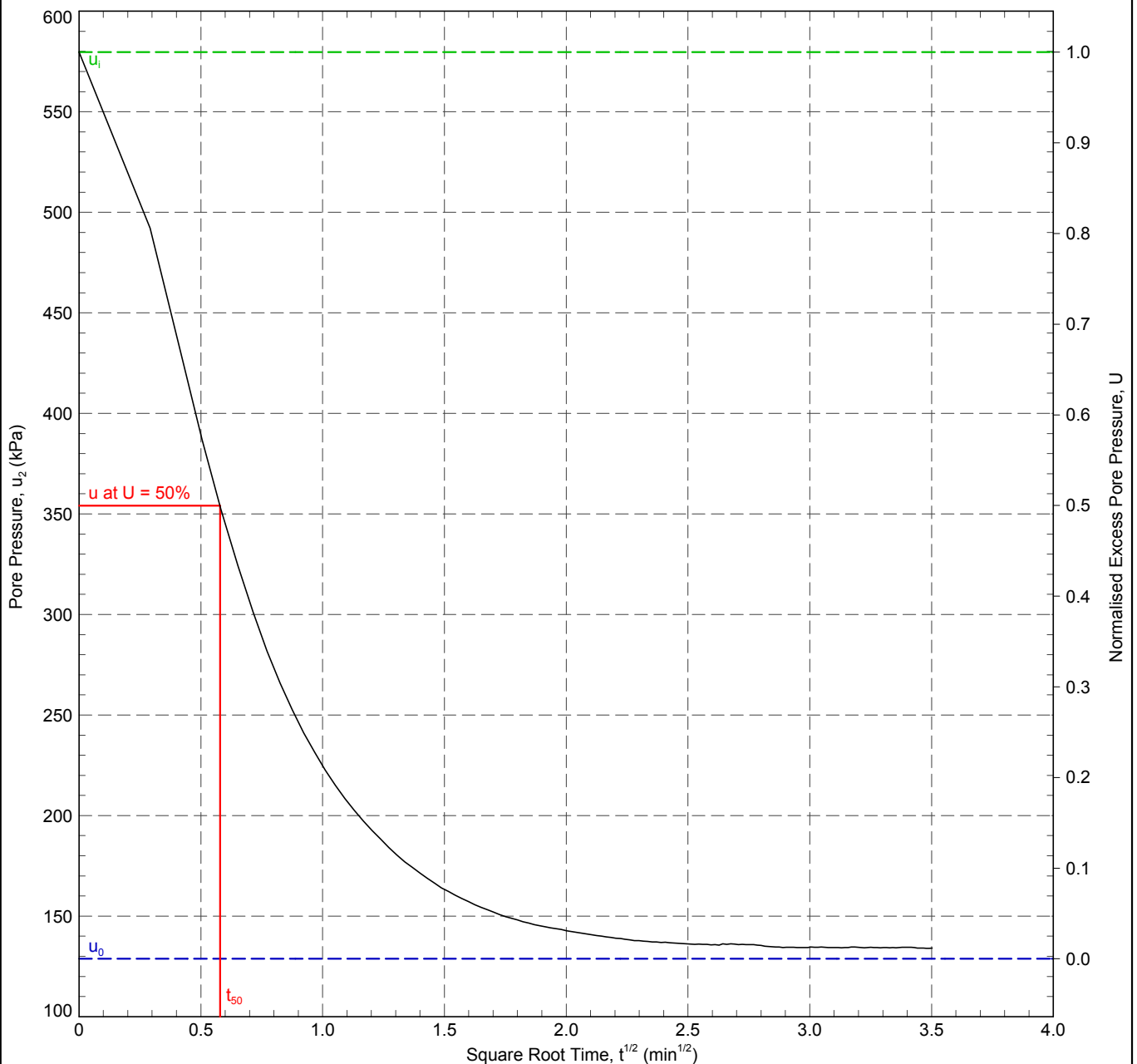
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	1.50×10^3 m 2 /yr
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	5.00×10^2 m 2 /yr
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

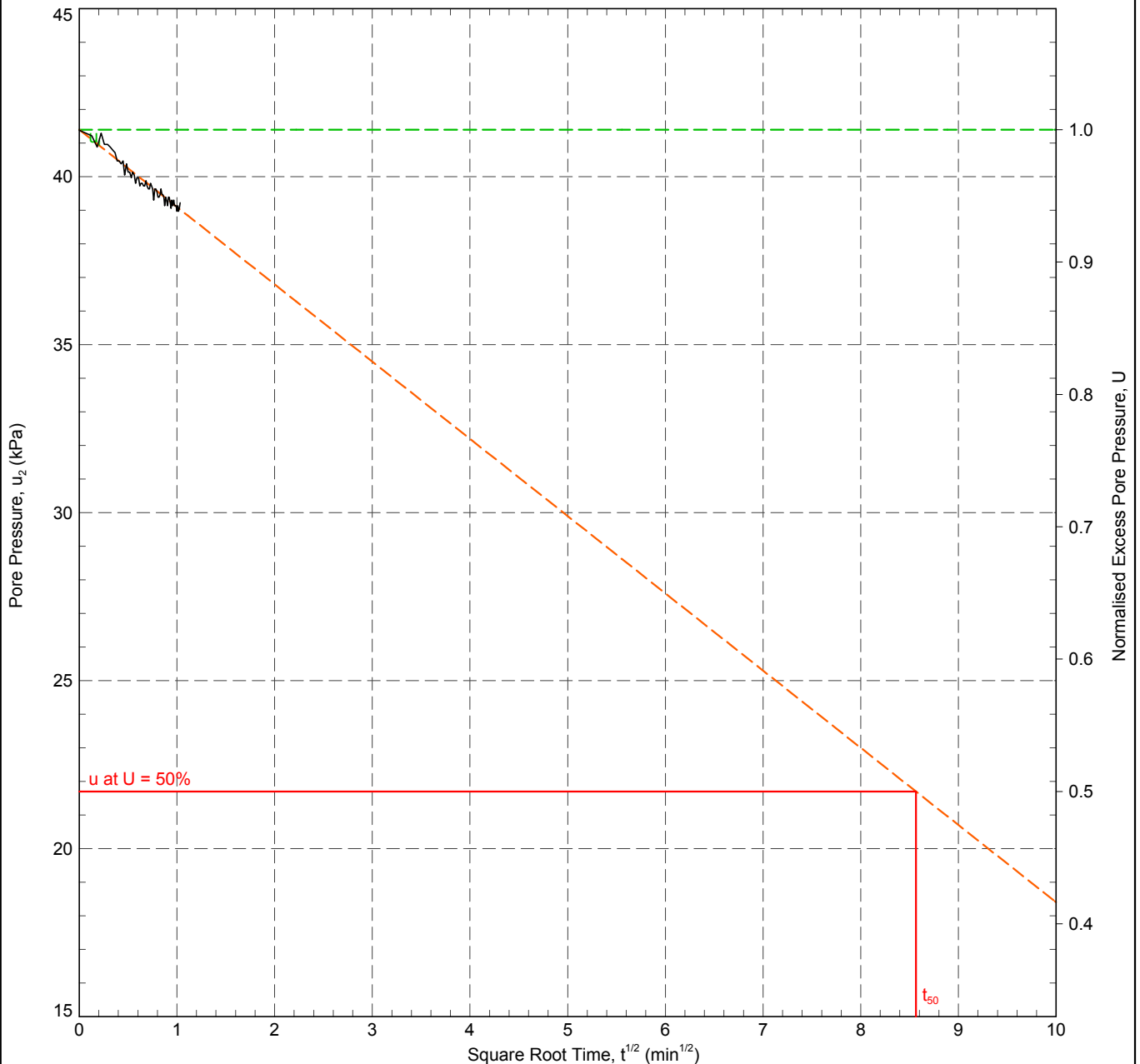
Test ID

V-Diss test NC 2 - 7.00 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	2 kPa	Horizontal Coefficient of Consolidation, c_h :	$8.84 \times 10^0 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	41.4 kPa	Ratio c_h/c_v :	10
Final Pore Pressure:	41.38 kPa	Vertical Coefficient of Consolidation, c_v :	$8.84 \times 10^{-1} \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	21.7 kPa		
Time for 50% Dissipation, t_{50} :	73.36 min		
Calculation Remark:	t50 interpolated from best fit line		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

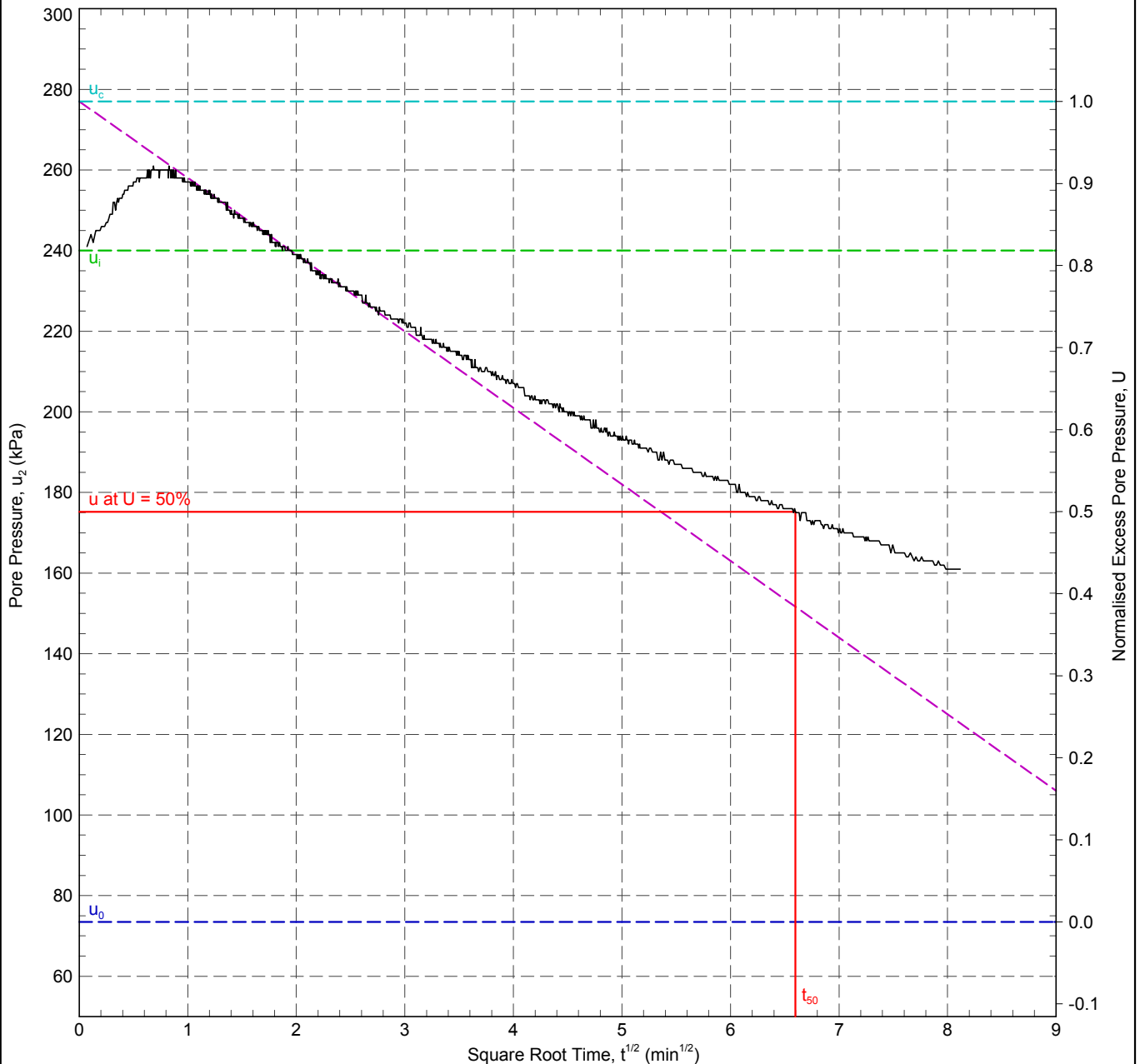
Test ID

V-Diss test OC - 7.49 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION :

SHEET : 1 OF 1
STATUS : 3
DATE : 01/01/09



In Situ Pore Pressure, u_0 : 73.48 kPa
Initial Pore Pressure, u_i : 240 kPa
Final Pore Pressure: 261 kPa
Back Extrapolated Pore Pressure, u_c : 277 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 175.2 kPa
Time for 50% Dissipation, t_{50} : 43.55 min

Horizontal Coefficient of Consolidation, c_h : $2.76 \times 10^0 \text{ m}^2/\text{yr}$
Ratio c_h/c_v : 5
Vertical Coefficient of Consolidation, c_v : $5.53 \times 10^{-1} \text{ m}^2/\text{yr}$

RIG : CPT RIG
CONE TYPE : ABC
CONE ID : 3167
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/01/2009
DATE: 03/01/2009
DATE: 04/01/2009

REMARK
adsf, var

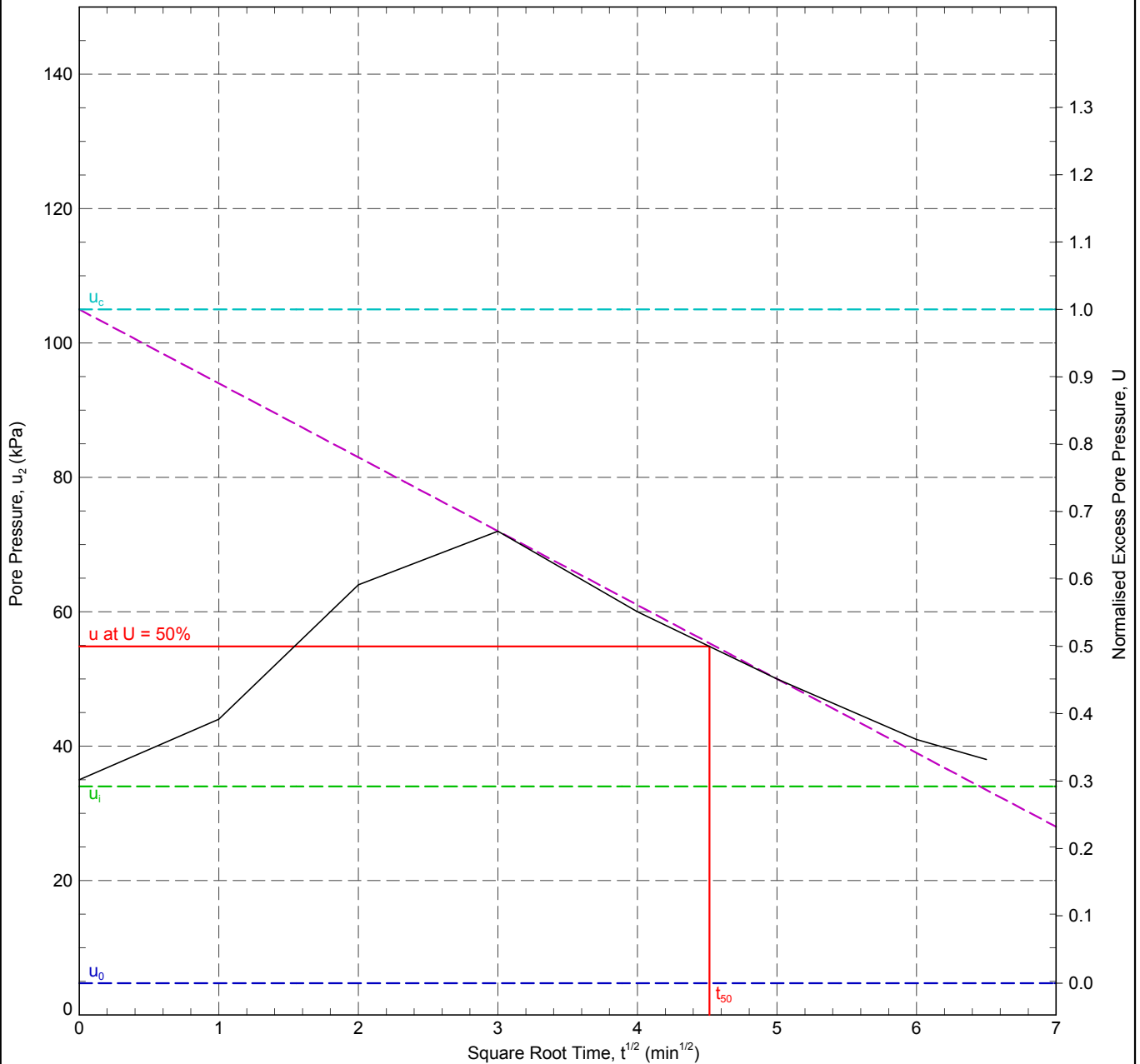
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V-Diss OC Type III - 2.20 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION : 1.00 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 4.71 kPa
Initial Pore Pressure, u_i : 34 kPa
Final Pore Pressure: 72 kPa
Back Extrapolated Pore Pressure, u_c : 105 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 54.85 kPa
Time for 50% Dissipation, t_{50} : 20.39 min

Horizontal Coefficient of Consolidation, c_h : 2.01×10^{-1} m²/yr

RIG : CPT RIG
CONE TYPE : ABC
CONE ID : 3167
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

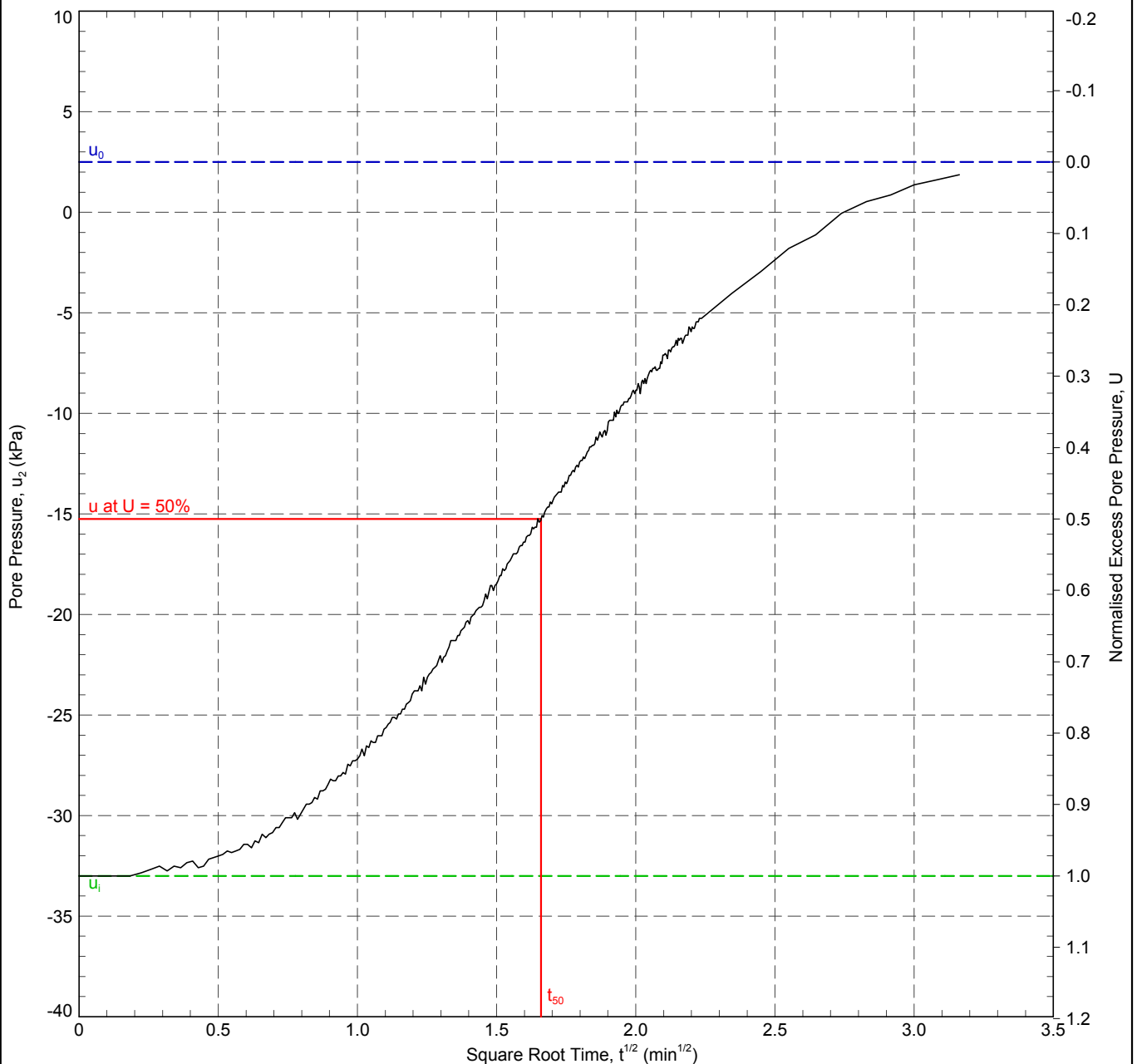
Test ID

V-Diss OC Type V - 1.10 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA :
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION : 0.00 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 2.5 kPa
Initial Pore Pressure, u_i : -33 kPa
Final Pore Pressure: 1.8618 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: -15.25 kPa
Time for 50% Dissipation, t_{50} : 2.76 min

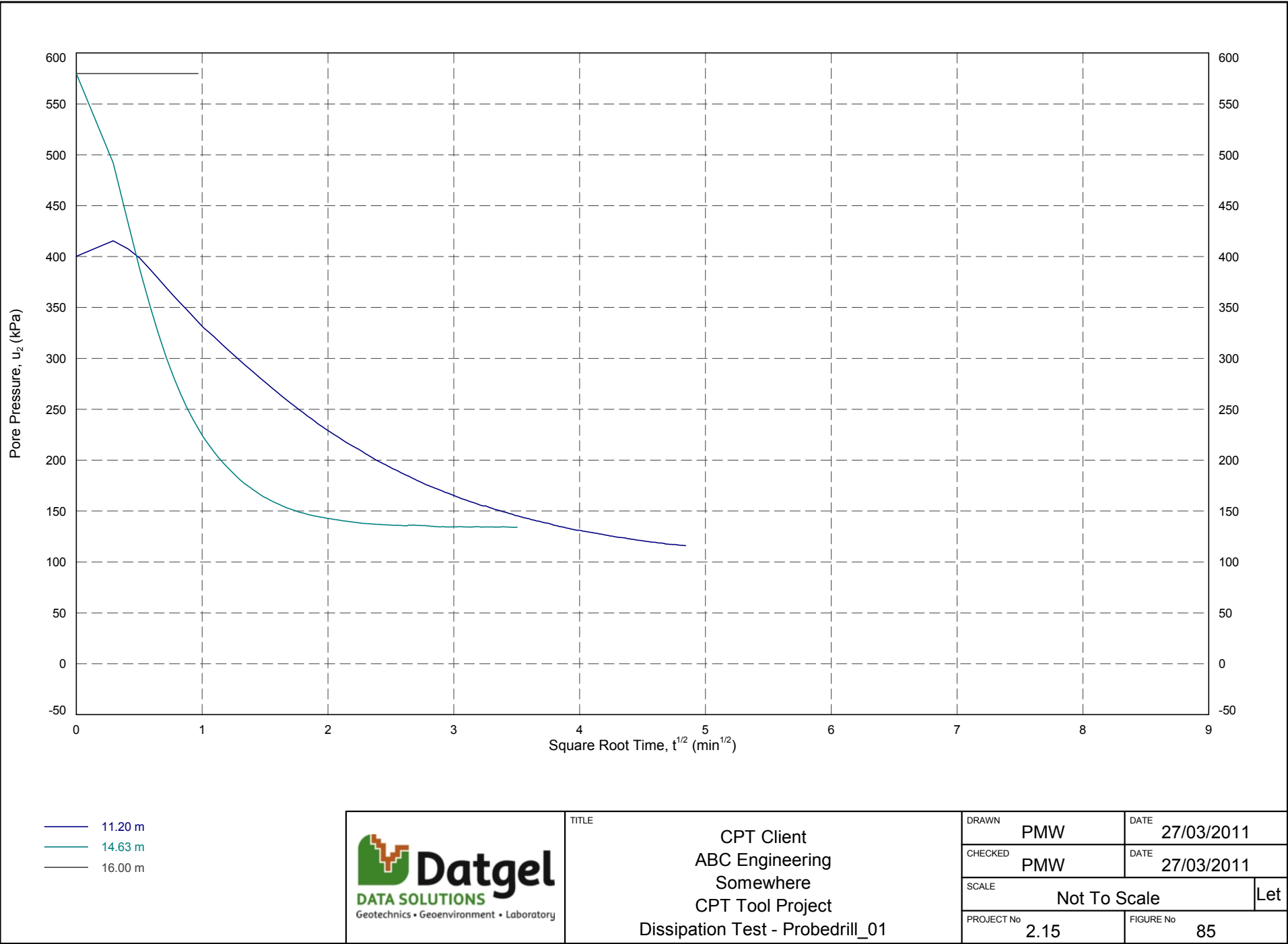
Horizontal Coefficient of Consolidation, c_h : $1.82 \times 10^2 \text{ m}^2/\text{yr}$

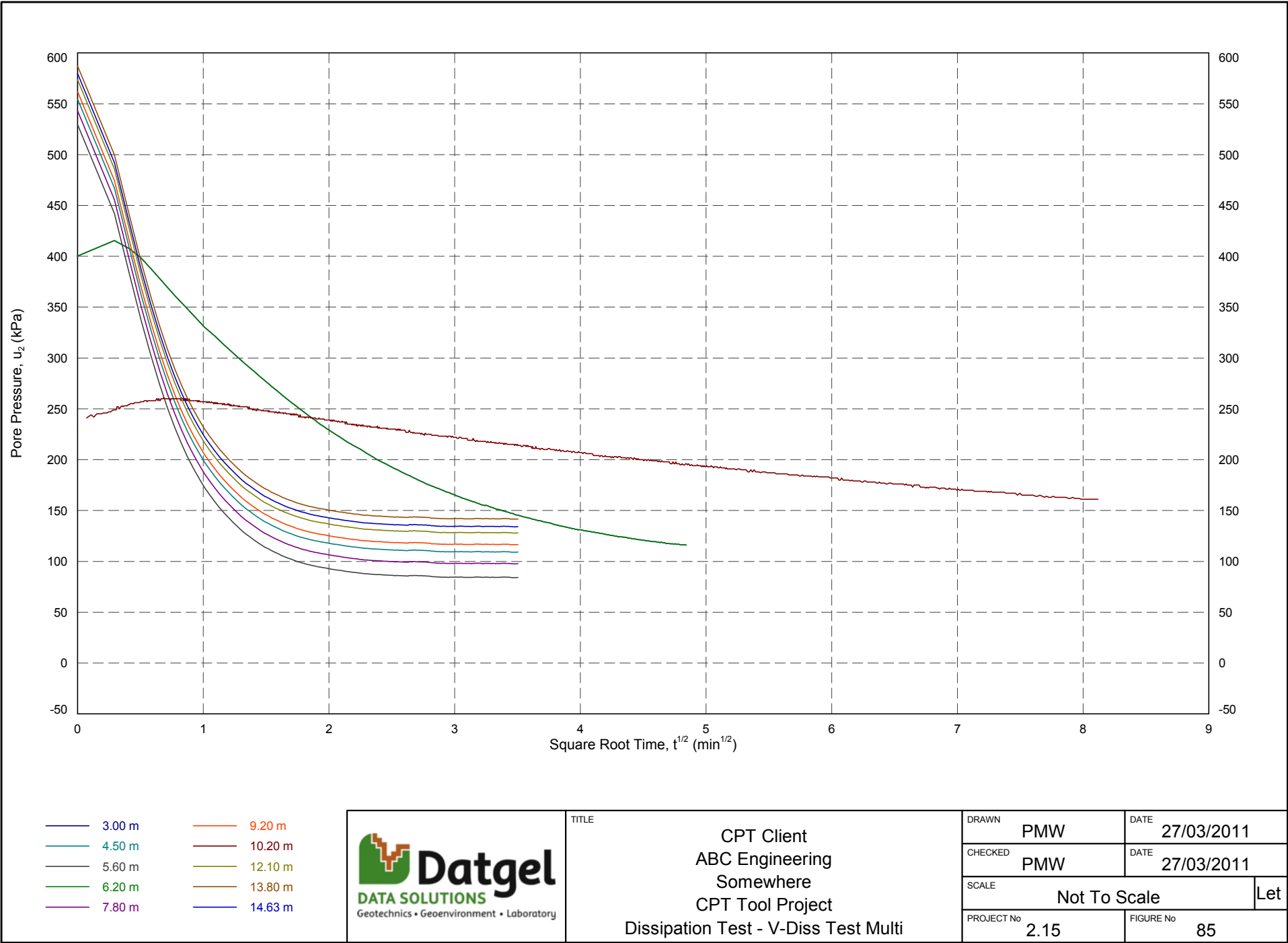
RIG : Datgel anchoring
CONE TYPE : ABC
CONE ID : C10CFIP.D71
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK





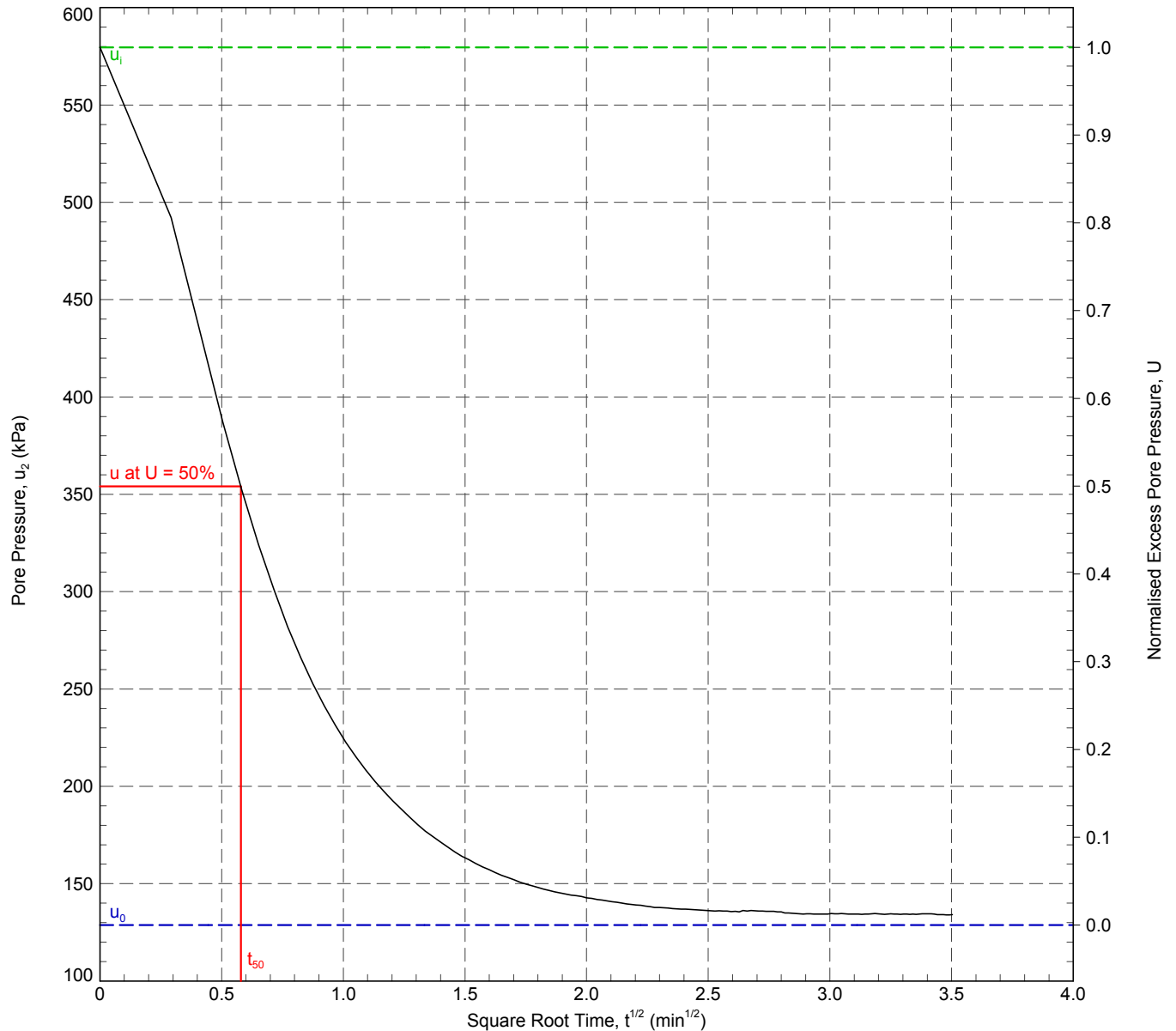
Test ID

V-Diss test NC - 14.63 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	128.76 kPa	Horizontal Coefficient of Consolidation, c_h :	$1.50 \times 10^3 \text{ m}^2/\text{yr}$
Initial Pore Pressure, u_i :	579.6 kPa	Ratio c_h/c_v :	3
Final Pore Pressure:	579.640255 kPa	Vertical Coefficient of Consolidation, c_v :	$5.00 \times 10^2 \text{ m}^2/\text{yr}$
Degree of Dissipation:	50 %		
Dissipation Pressure:	354.06 kPa		
Time for 50% Dissipation, t_{50} :	0.34 min		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

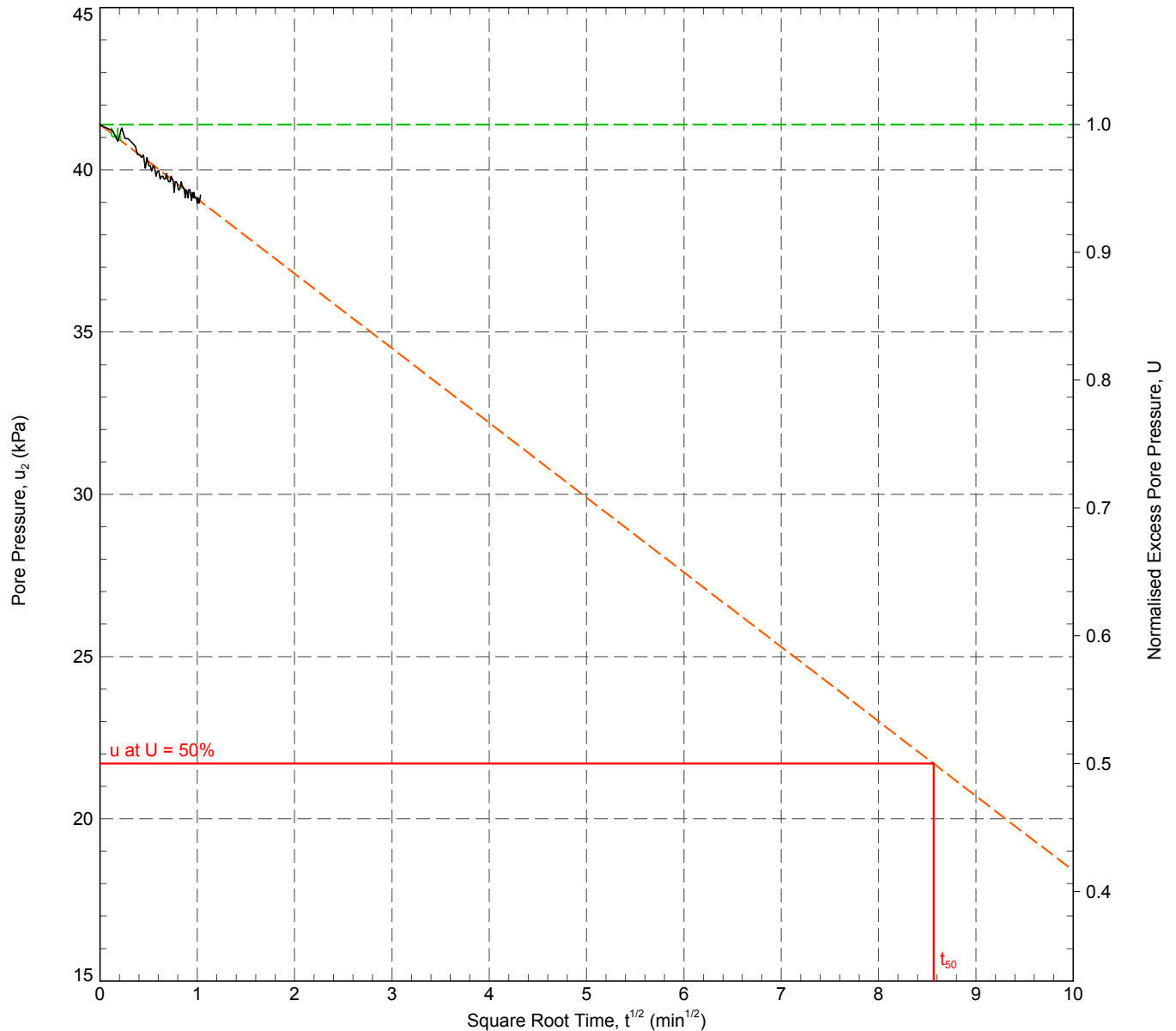
Test ID

V-Diss test NC 2 - 7.00 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING : 248189.7 m
NORTHING : 1267403.9 m
COORD. SYS.: MGA94 56
ELEVATION : 3.10 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 :	2 kPa	Horizontal Coefficient of Consolidation, c_h :	8.84×10^0 m ² /yr
Initial Pore Pressure, u_i :	41.4 kPa	Ratio c_h/c_v :	10
Final Pore Pressure:	41.38 kPa	Vertical Coefficient of Consolidation, c_v :	8.84×10^{-1} m ² /yr
Degree of Dissipation:	50 %		
Dissipation Pressure:	21.7 kPa		
Time for 50% Dissipation, t_{50} :	73.36 min		
Calculation Remark:	t50 interpolated from best fit line		

RIG : TRACK RIG
CONE TYPE : ABC
CONE ID : EC17
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

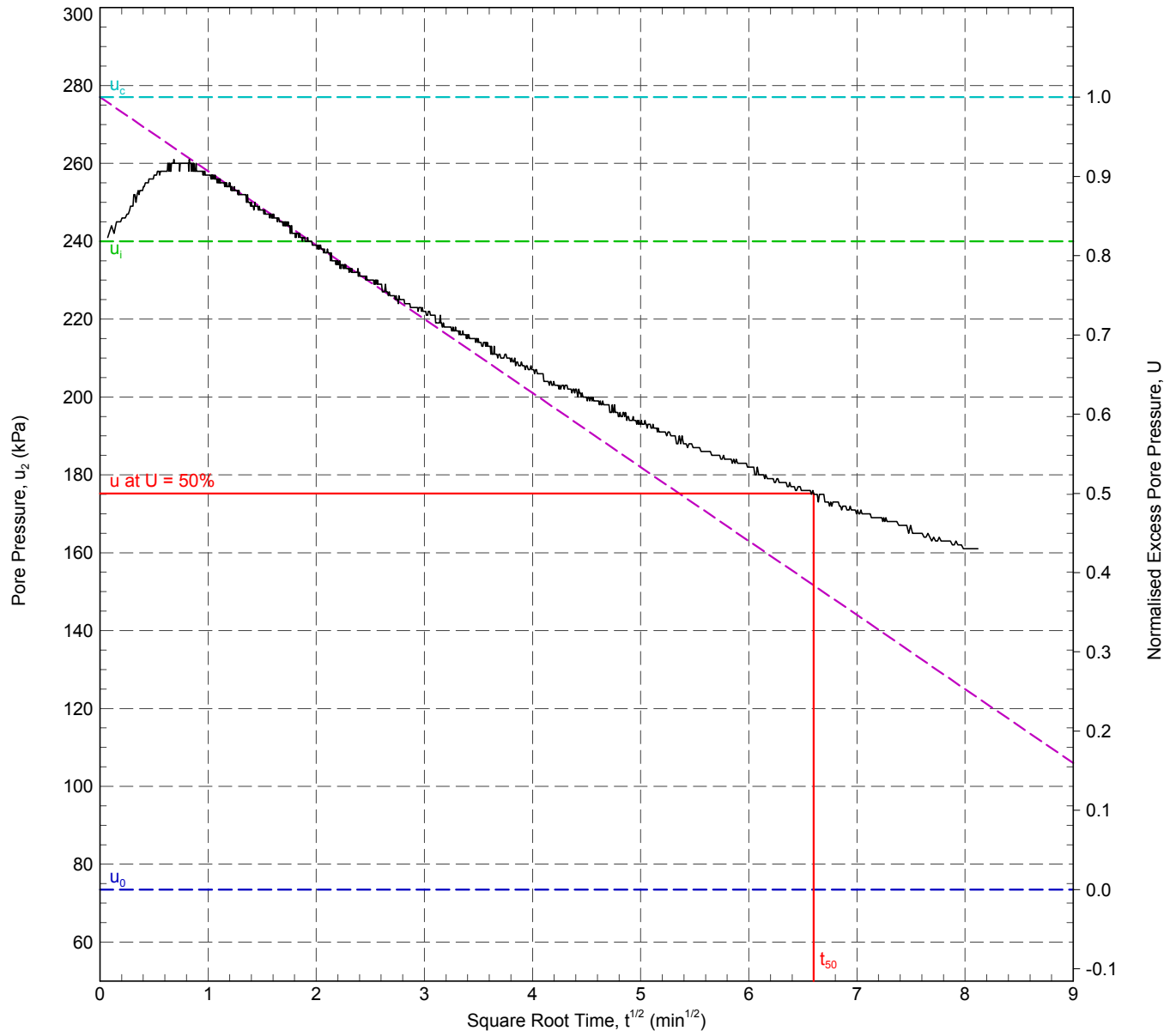
Test ID

V-Diss test OC - 7.49 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION :

SHEET : 1 OF 1
STATUS : 3
DATE : 01/01/09



In Situ Pore Pressure, u_0 : 73.48 kPa
Initial Pore Pressure, u_i : 240 kPa
Final Pore Pressure: 261 kPa
Back Extrapolated Pore Pressure, u_e : 277 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 175.2 kPa
Time for 50% Dissipation, t_{50} : 43.55 min

Horizontal Coefficient of Consolidation, c_h : 2.76×10^0 m²/yr
Ratio c_h/c_v : 5
Vertical Coefficient of Consolidation, c_v : 5.53×10^{-1} m²/yr

RIG : CPT RIG
CONE TYPE : ABC
CONE ID : 3167
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/01/2009
DATE: 03/01/2009
DATE: 04/01/2009

REMARK
adsf; var

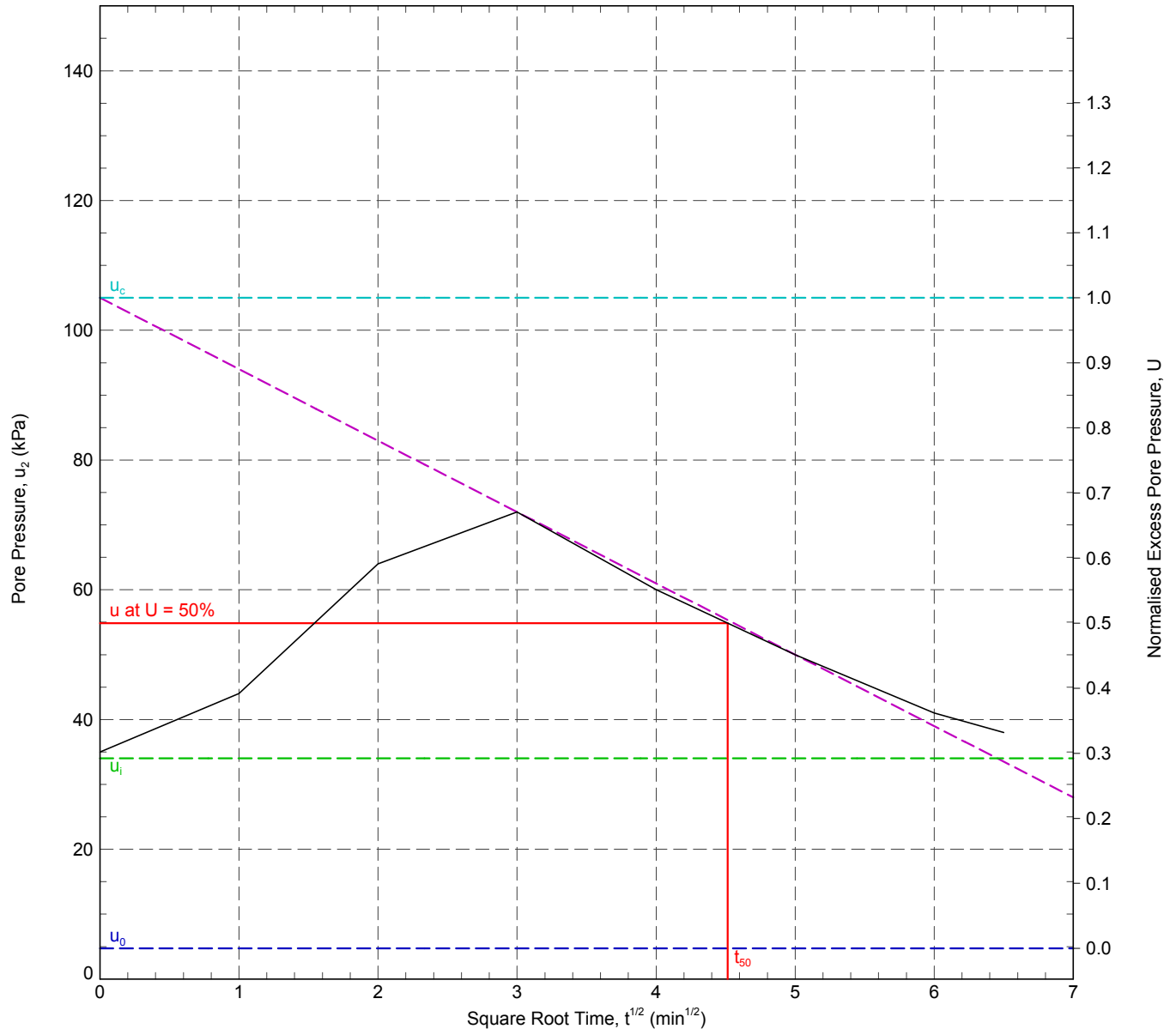
Test ID

V-Diss OC Type III - 2.20 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA : Place
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION : 1.00 m AHD

SHEET : 1 OF 1
STATUS : 3
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 4.71 kPa
Initial Pore Pressure, u_i : 34 kPa
Final Pore Pressure: 72 kPa
Back Extrapolated Pore Pressure, u_c : 105 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: 54.85 kPa
Time for 50% Dissipation, t_{50} : 20.39 min

Horizontal Coefficient of Consolidation, c_h : $2.01 \times 10^{-1} \text{ m}^2/\text{yr}$

RIG : CPT RIG
CONE TYPE : ABC
CONE ID : 3167
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

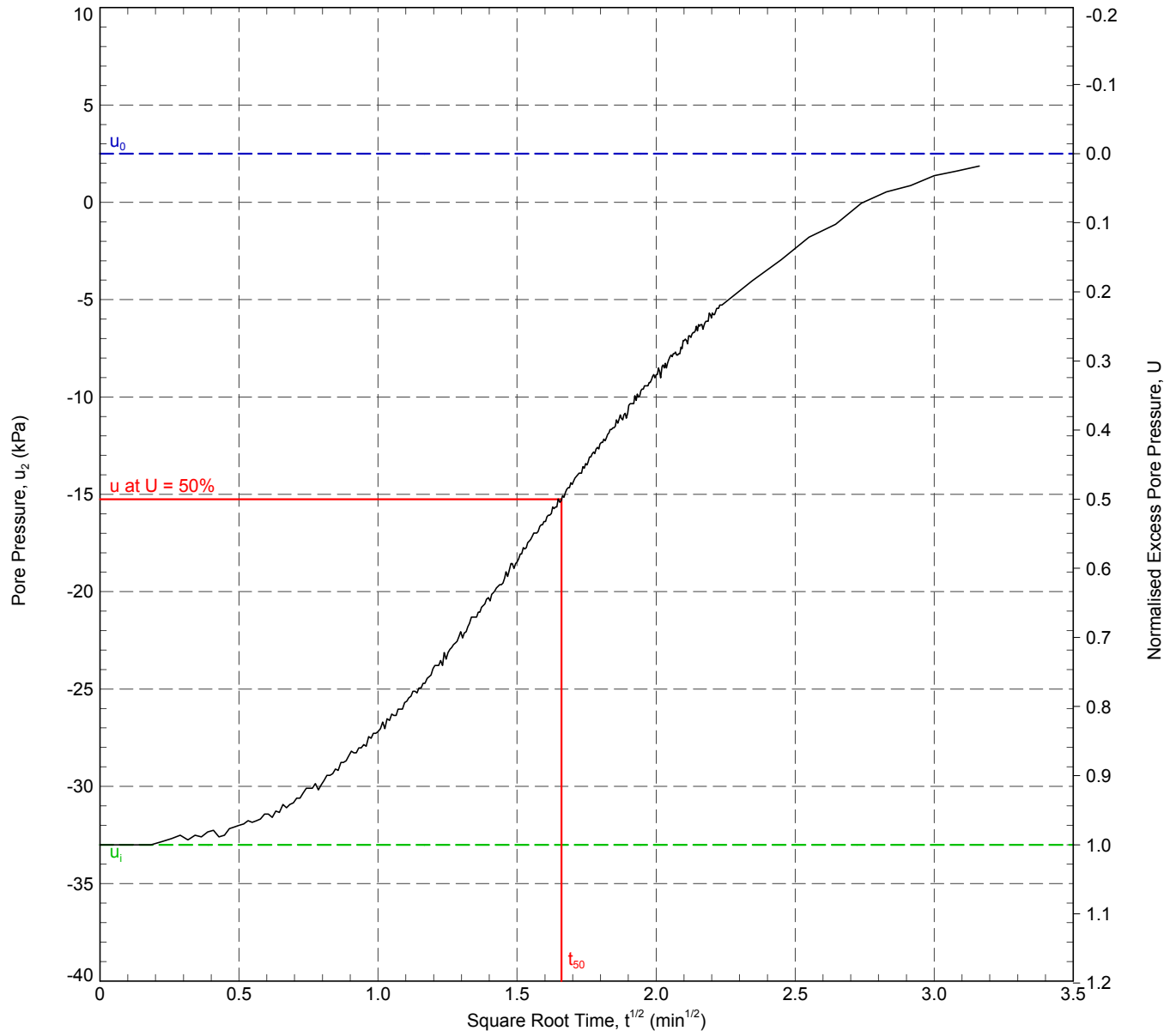
Test ID

V-Diss OC Type V - 1.10 m

CLIENT : CPT Client
ENGINEER : ABC Engineering
PROJECT : CPT Tool Project
LOCATION : Somewhere
PROJECT No. : 2.15

AREA :
EASTING :
NORTHING :
COORD. SYS.: MGA94 56
ELEVATION : 0.00 m AHD

SHEET : 1 OF 1
STATUS : 2
DATE : 01/07/10



In Situ Pore Pressure, u_0 : 2.5 kPa
Initial Pore Pressure, u_i : -33 kPa
Final Pore Pressure: 1.8618 kPa
Degree of Dissipation: 50 %
Dissipation Pressure: -15.25 kPa
Time for 50% Dissipation, t_{50} : 2.76 min

Horizontal Coefficient of Consolidation, c_h : $1.82 \times 10^{-2} \text{ m}^2/\text{yr}$

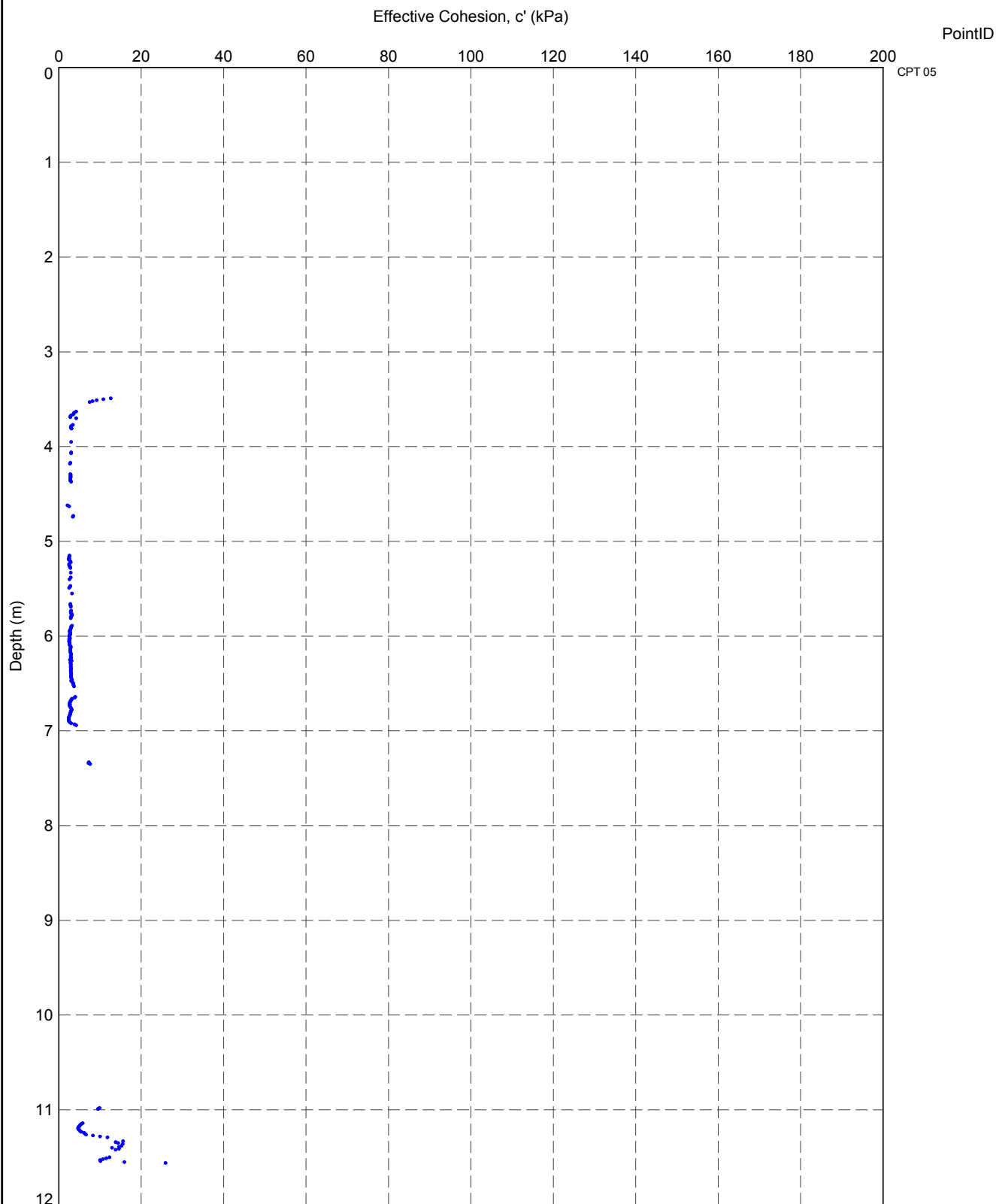
RIG : Datgel anchoring
CONE TYPE : ABC
CONE ID : C10CFIP.D71
OPERATOR : TB

ANALYSED BY : PB
CHECKED BY : CB
APPROVED BY : AB

DATE: 02/07/2010
DATE: 03/07/2010
DATE: 04/07/2010

REMARK

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE COHESION DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:41 8:30.002 Datgel CPT Tool gINT Add-in



Method:

- Mayne & Stewart (1988); Mesri & Abdel-Ghaffar (1993)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Effective Cohesion versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

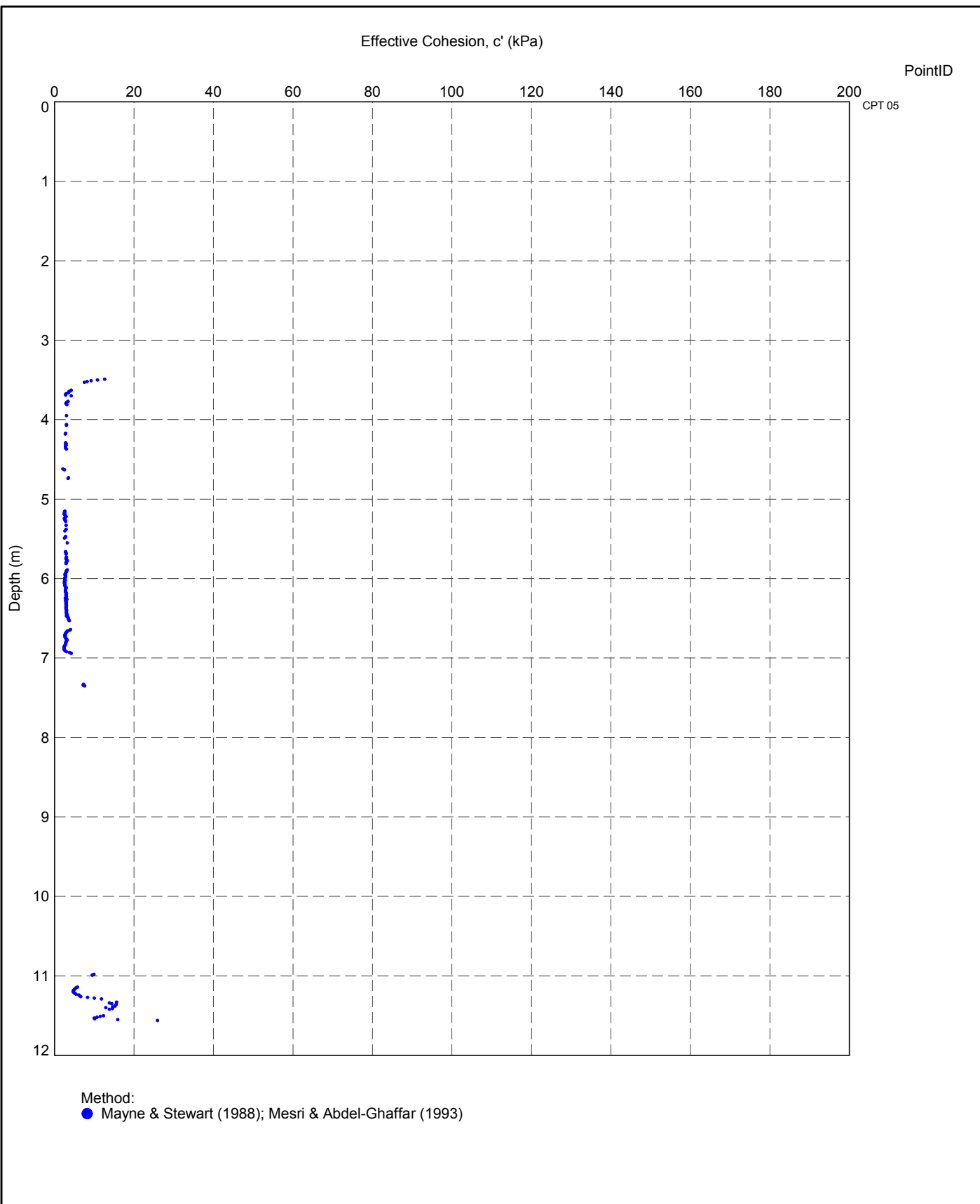
PROJECT No


2.15

FIGURE No

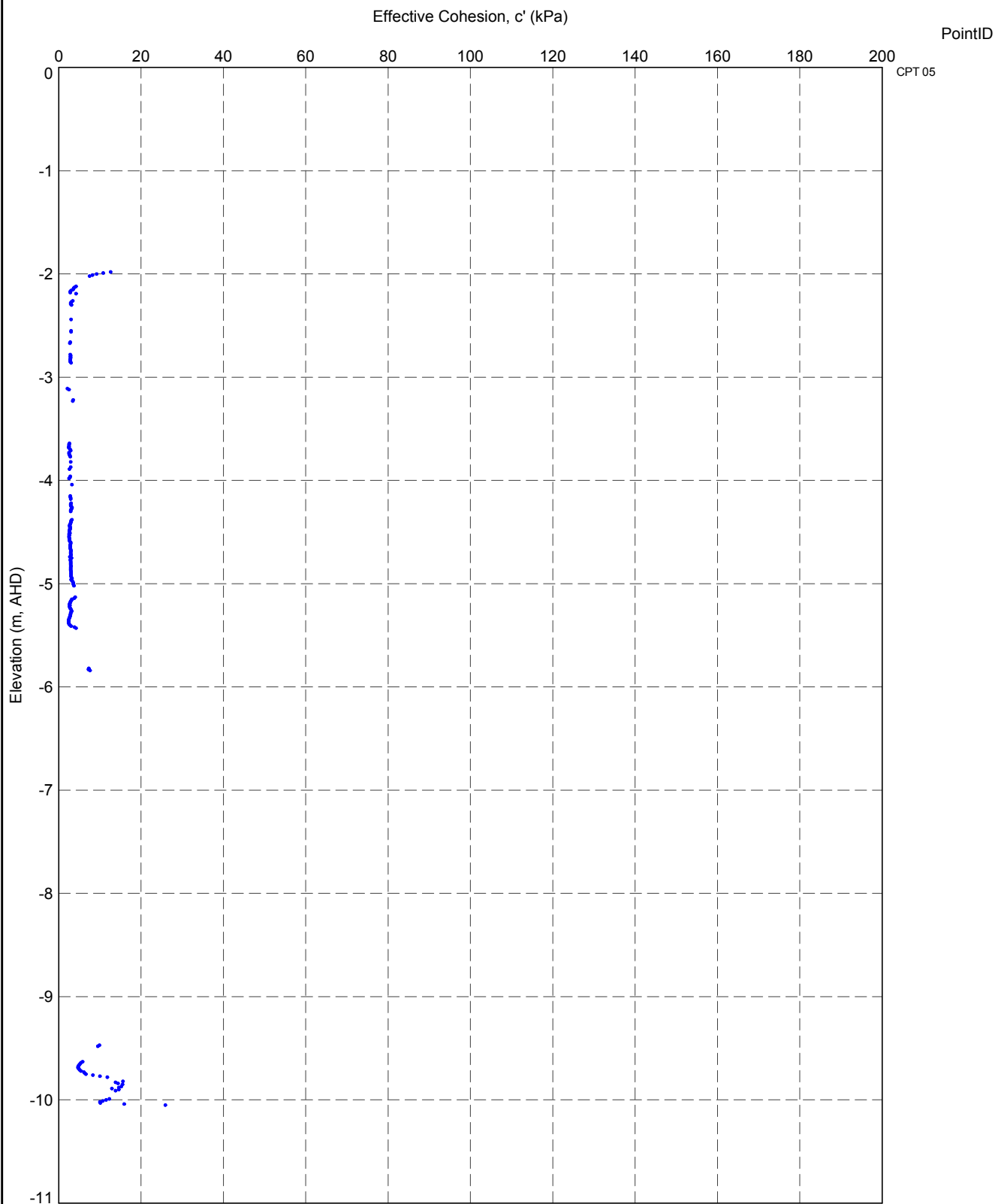
91

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE COHESION DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:43 8.30.002 Datgel CPT Tool gINT Add-In



 DATA SOLUTIONS Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Effective Cohesion versus Depth	DRAWN	PMW	DATE	27/03/2011		
		CHECKED	PMW	DATE	27/03/2011		
		SCALE			Not To Scale	Let	
		PROJECT No		2.15	FIGURE No		92

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE COHESION RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:44 8.30.002 Datgel CPT Tool gINT Add-In



Method:

- Mayne & Stewart (1988); Mesri & Abdel-Ghaffar (1993)

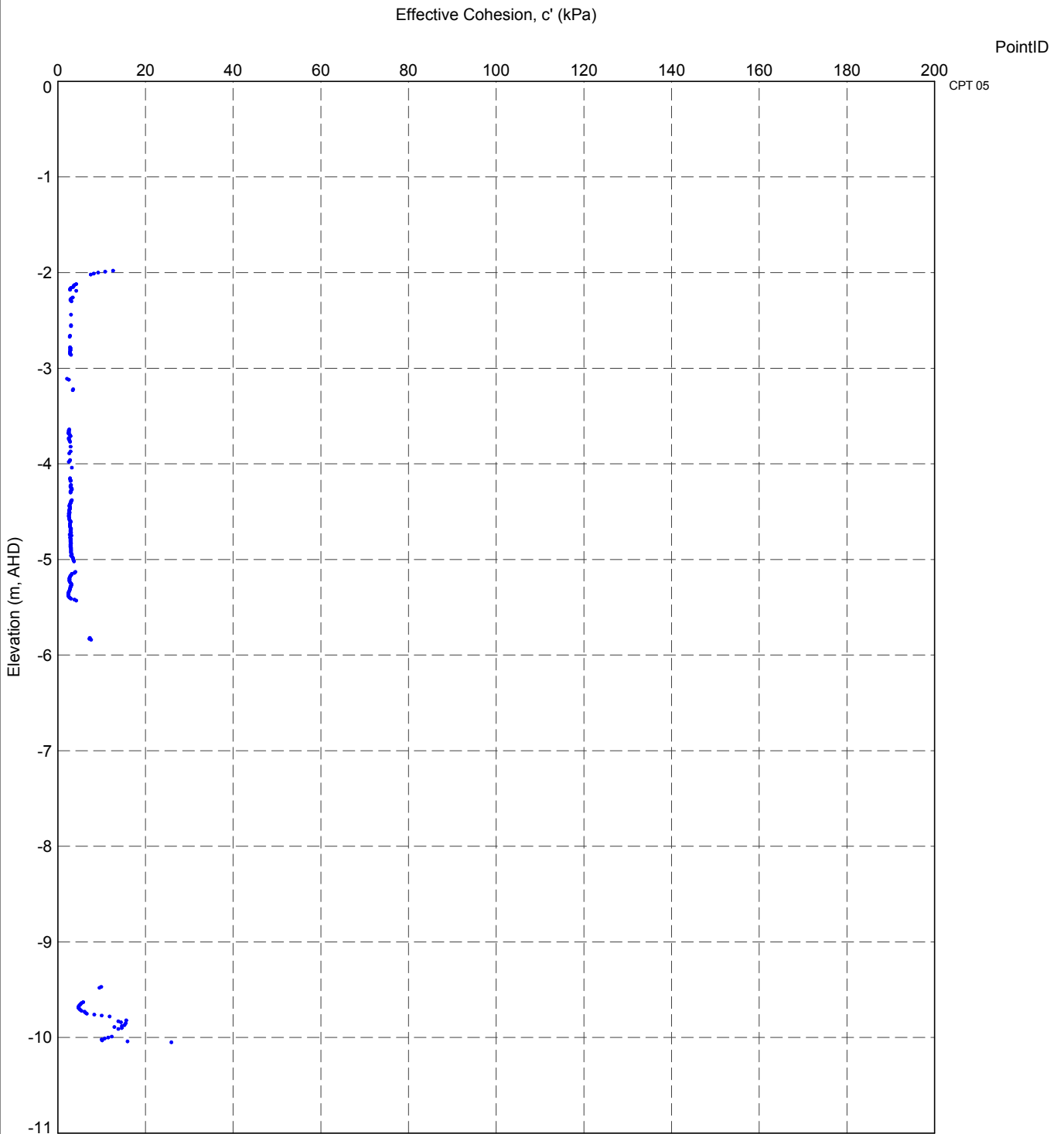


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Effective Cohesion versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	93

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE COHESION RL LEITP.DATGEL.CPT TOOL.DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:46 8.30.002 Datgel CPT Tool gINT Add-In



Method:

● Mayne & Stewart (1988); Mesri & Abdel-Ghaffar (1993)

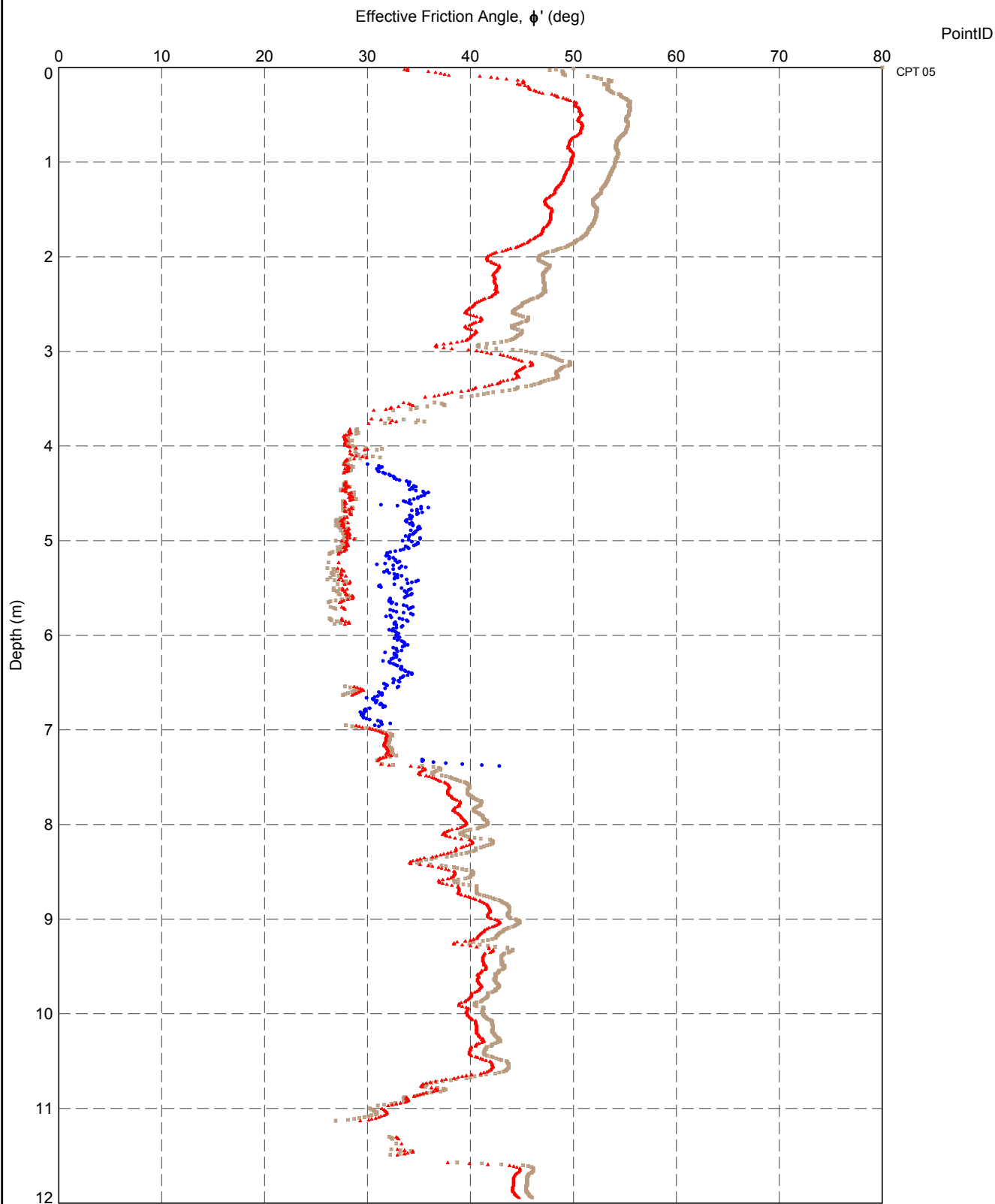


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Effective Cohesion versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	94

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE FRICTION ANGLE DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:48 8.30.002 Datgel CPT Tool gINT Add-In



Method:
● Senneset et al. (1988 & 1989); Mayne & Campanella (2005)
■ Robertson & Campanella (1983)
▲ Kulhawy & Mayne (1990)

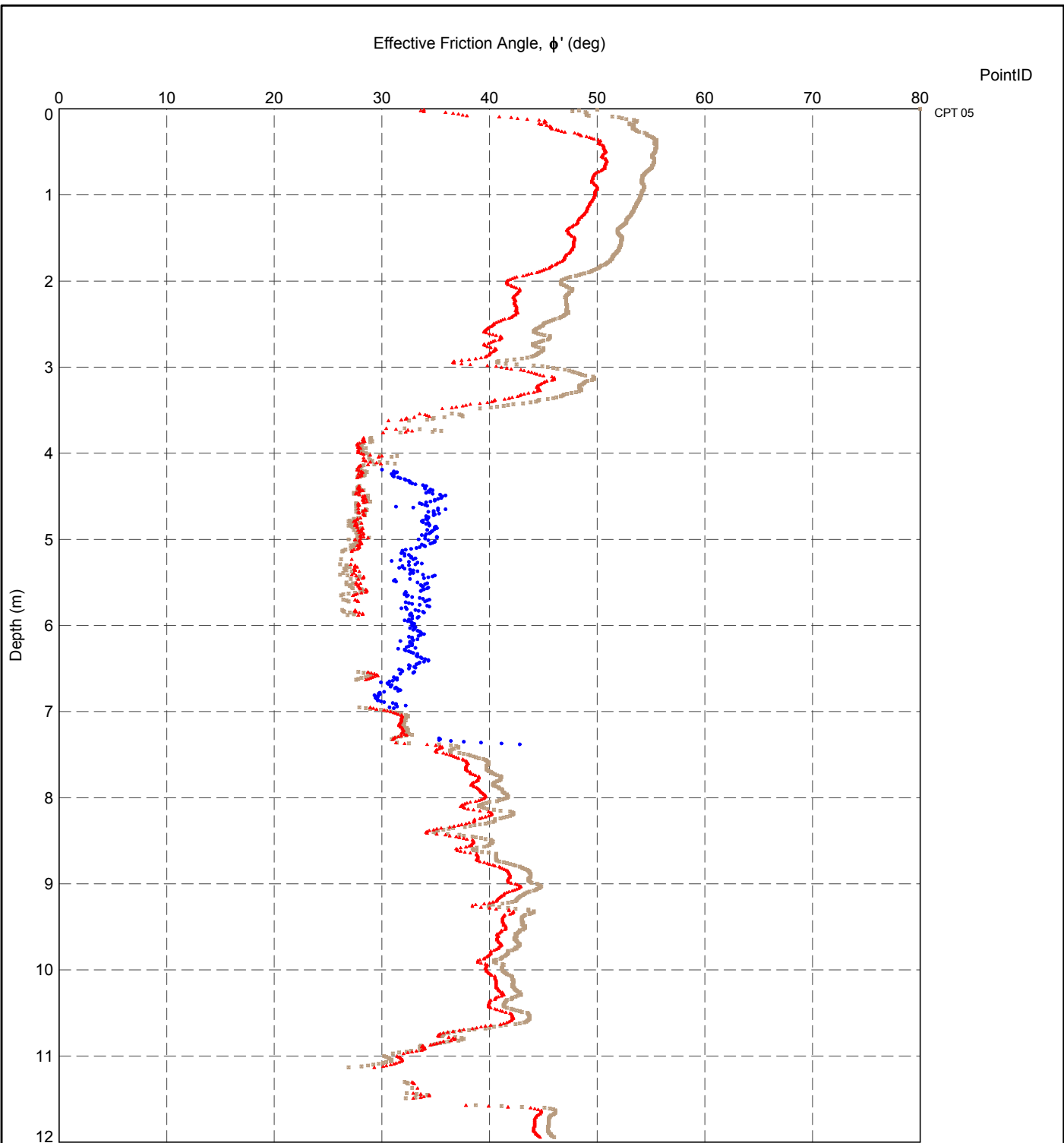



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Effective Friction Angle versus Depth

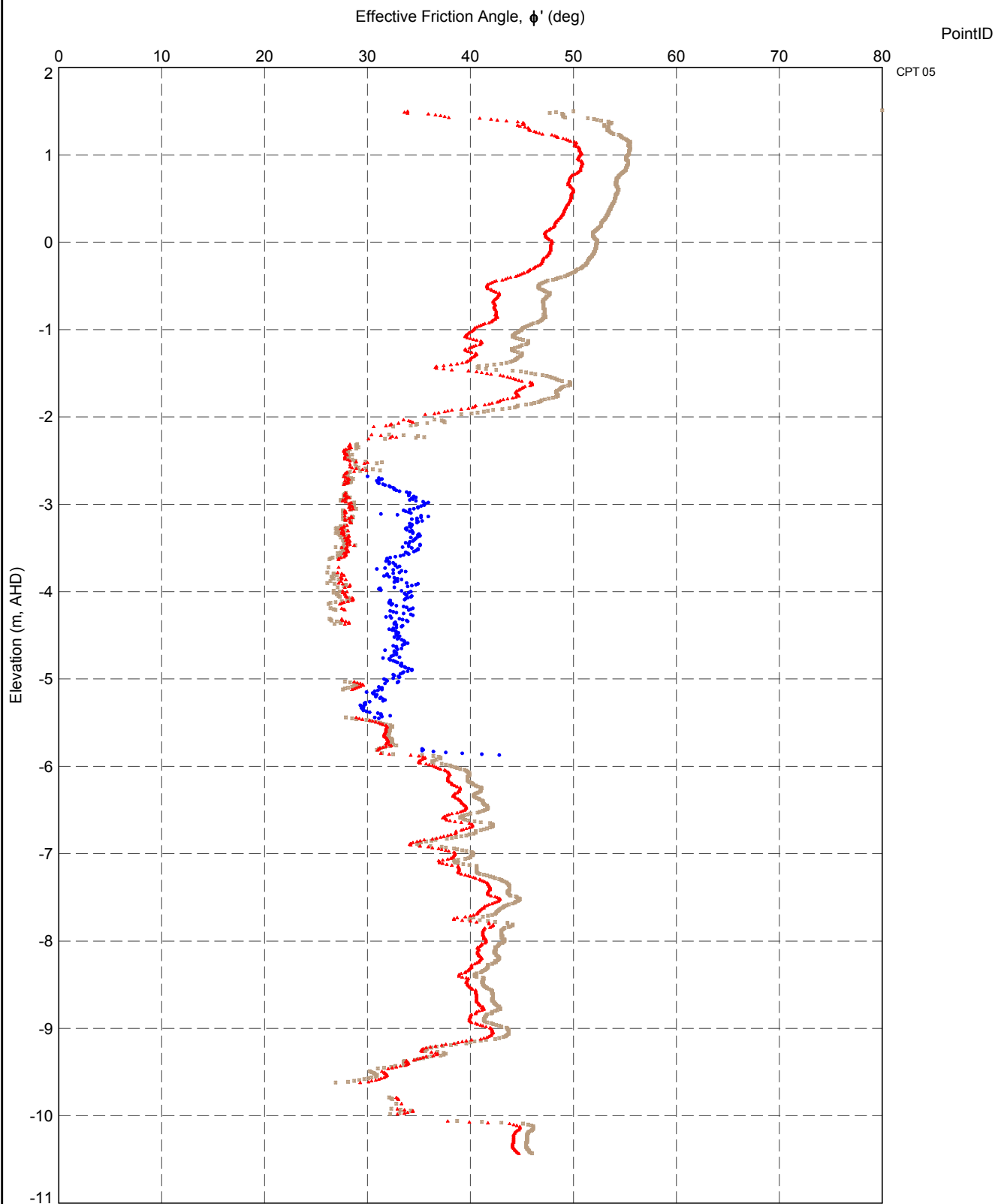
DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	95

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT EFFECTIVE FRICTION ANGLE DEPTH LETP DATGEL CPT TOOL DGD 2.15 GPD <<DrawingFile>> 27/Mar/2011 14:50 8.30.002 Datgel CPT Tool gINT Add-In



 Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Effective Friction Angle versus Depth	DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	Let
		PROJECT No 2.15	FIGURE No 96

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT EFFECTIVE FRICTION ANGLE RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:52 8.30.002 Datgel CPT Tool gINT Add-In



Method:
● Senneset et al. (1988 & 1989); Mayne & Campanella (2005)
■ Robertson & Campanella (1983)
▲ Kulhawy & Mayne (1990)

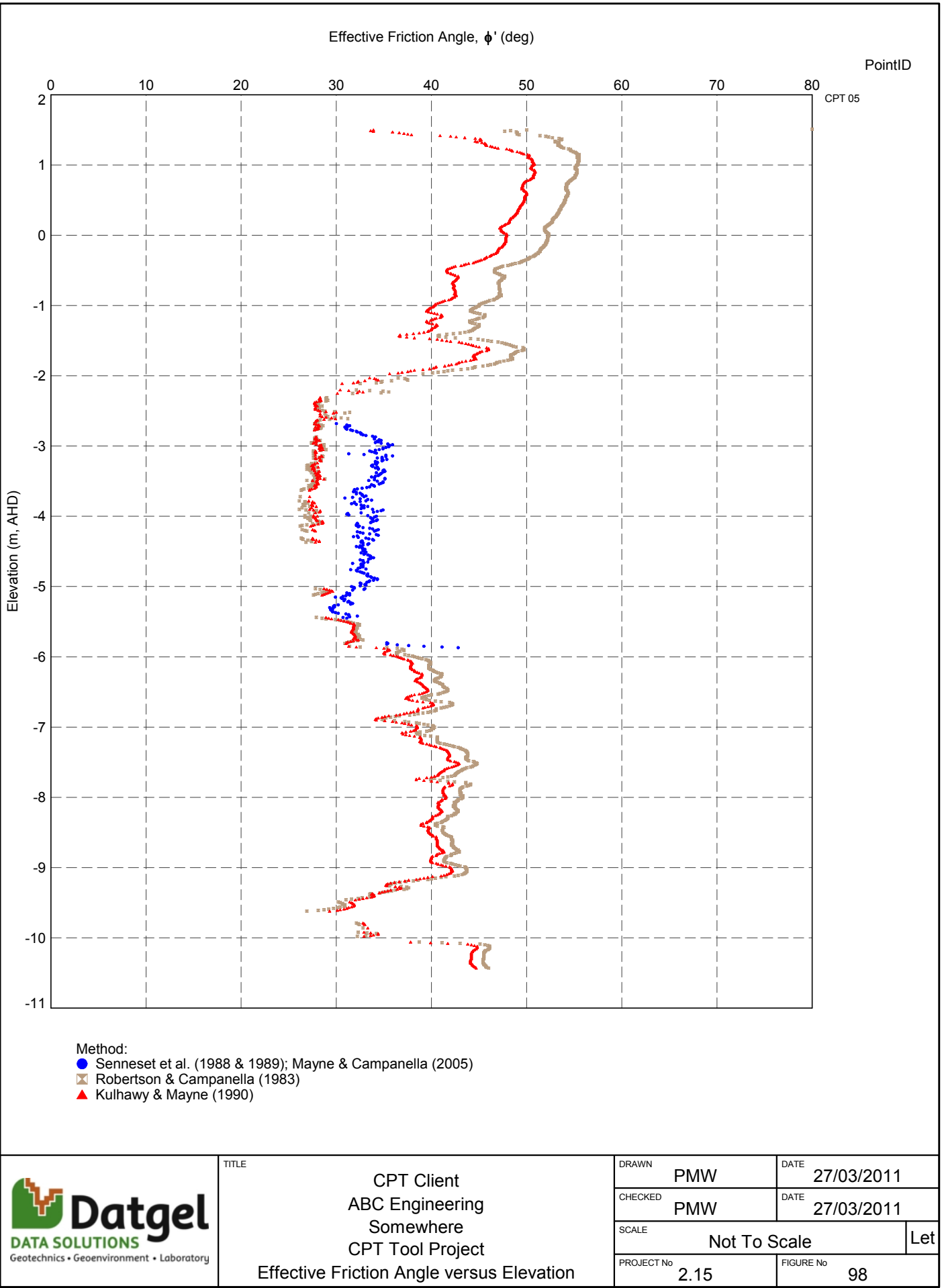


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Effective Friction Angle versus Elevation

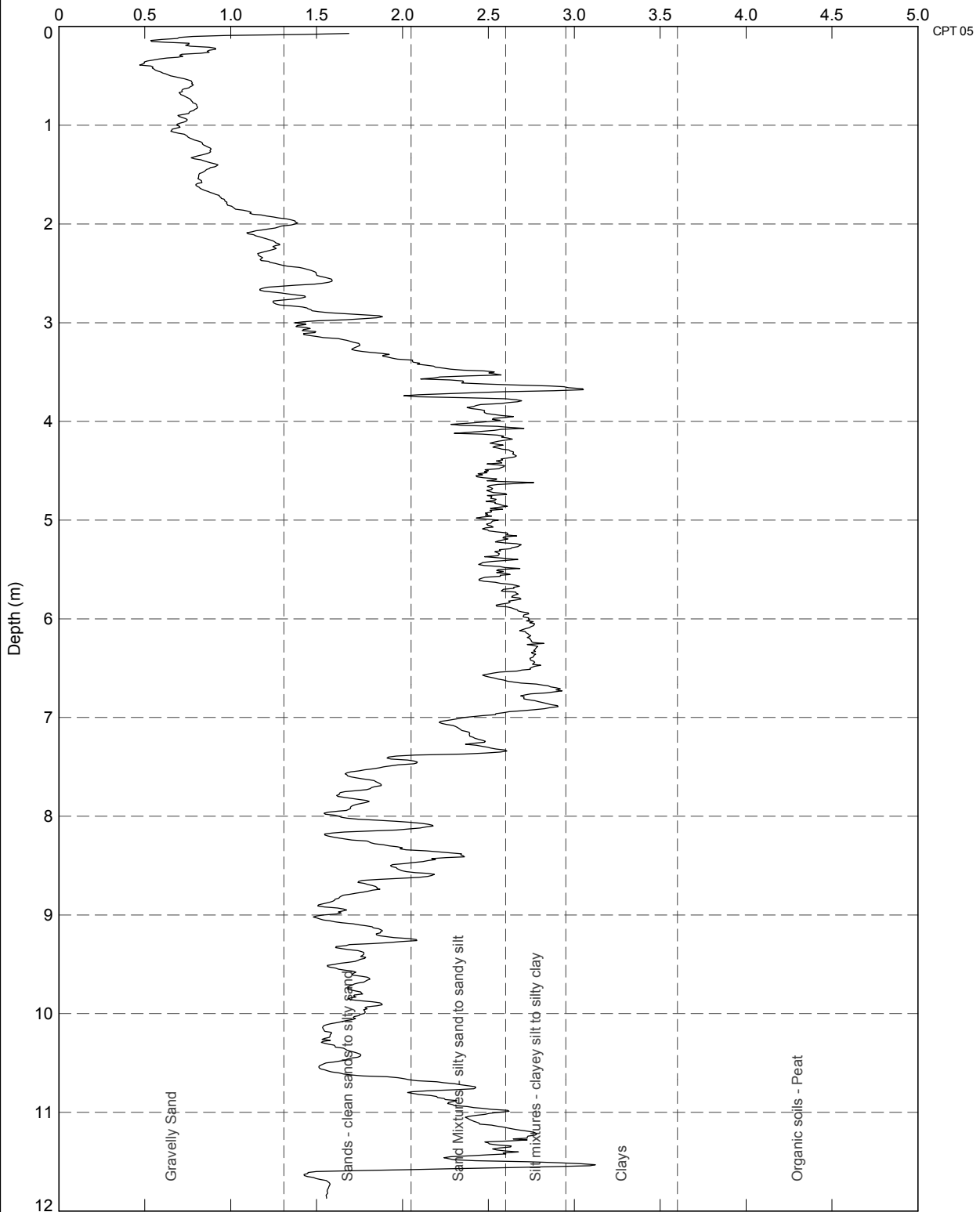
DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	97

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT EFFECTIVE FRICTION ANGLE RL LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 14:54 8.30.002 Datgel CPT Tool.gINT Add-In



Soil Behaviour Type Index, I_c - Robertson and Wride (1998)

PointID



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC:1 DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:55 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

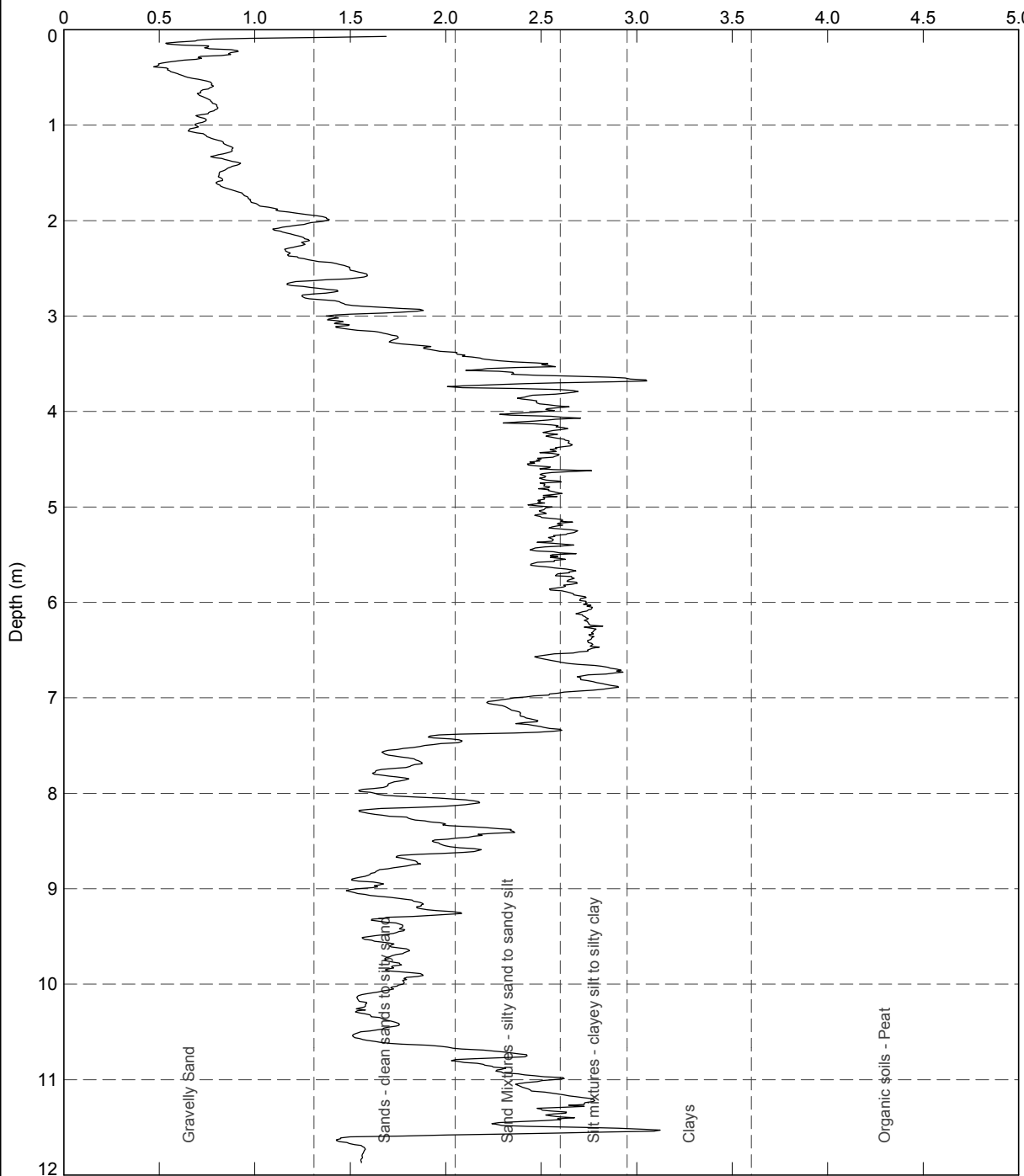
FIGURE No

99

Soil Behaviour Type Index, I_c - Robertson and Wride (1998)

PointID

CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT IC 1 DEPTH LETP DATGEL CPT TOOL DGD 2.15 GLEB <<DrawingFile>> 27/Mar/2011 14:55:8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

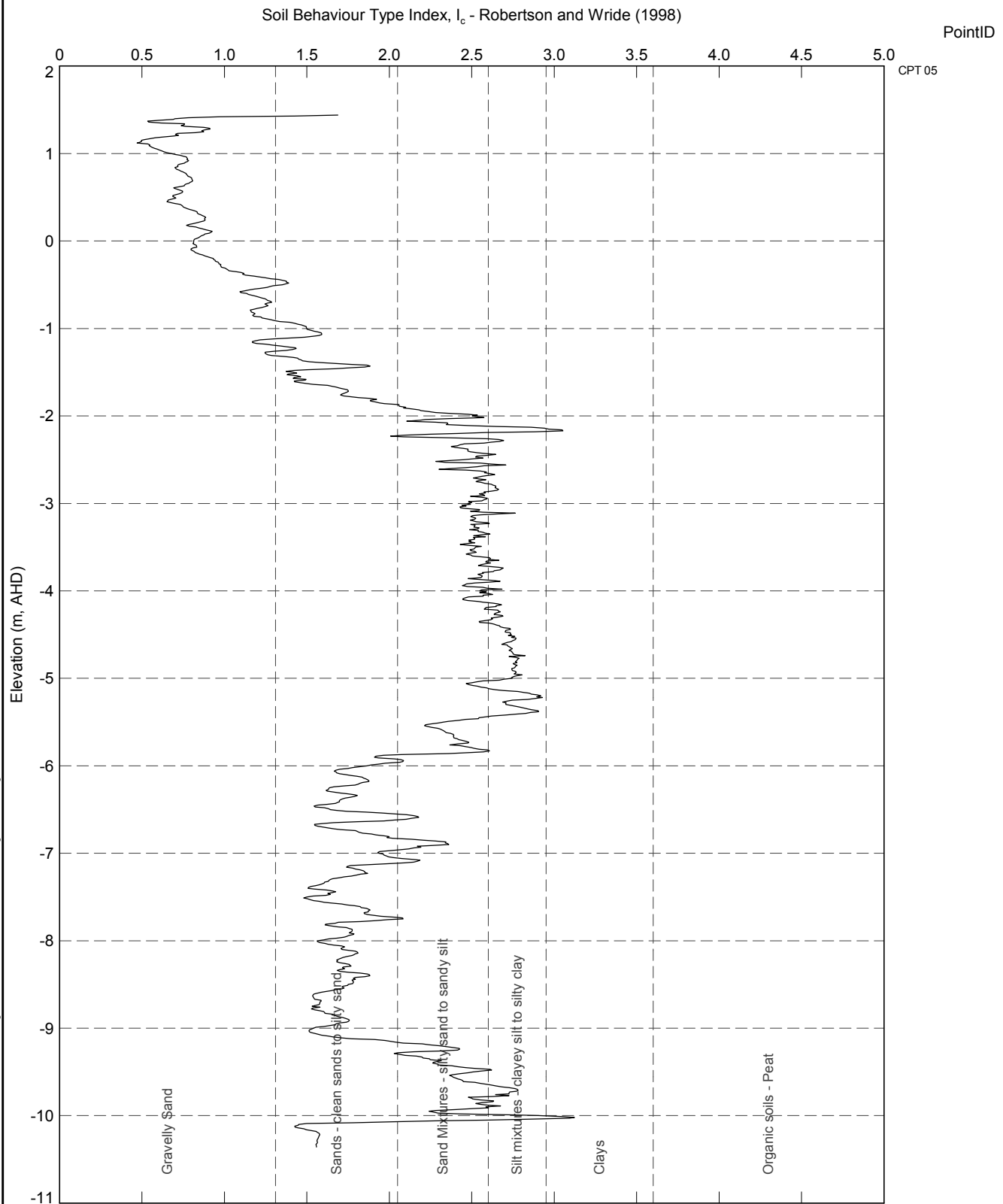
PROJECT No

2.15

FIGURE No

100

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC:1 RL A4P DATGEL CPT TOOL DSD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:55 8.30.002 Datgel CPT Tool glINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

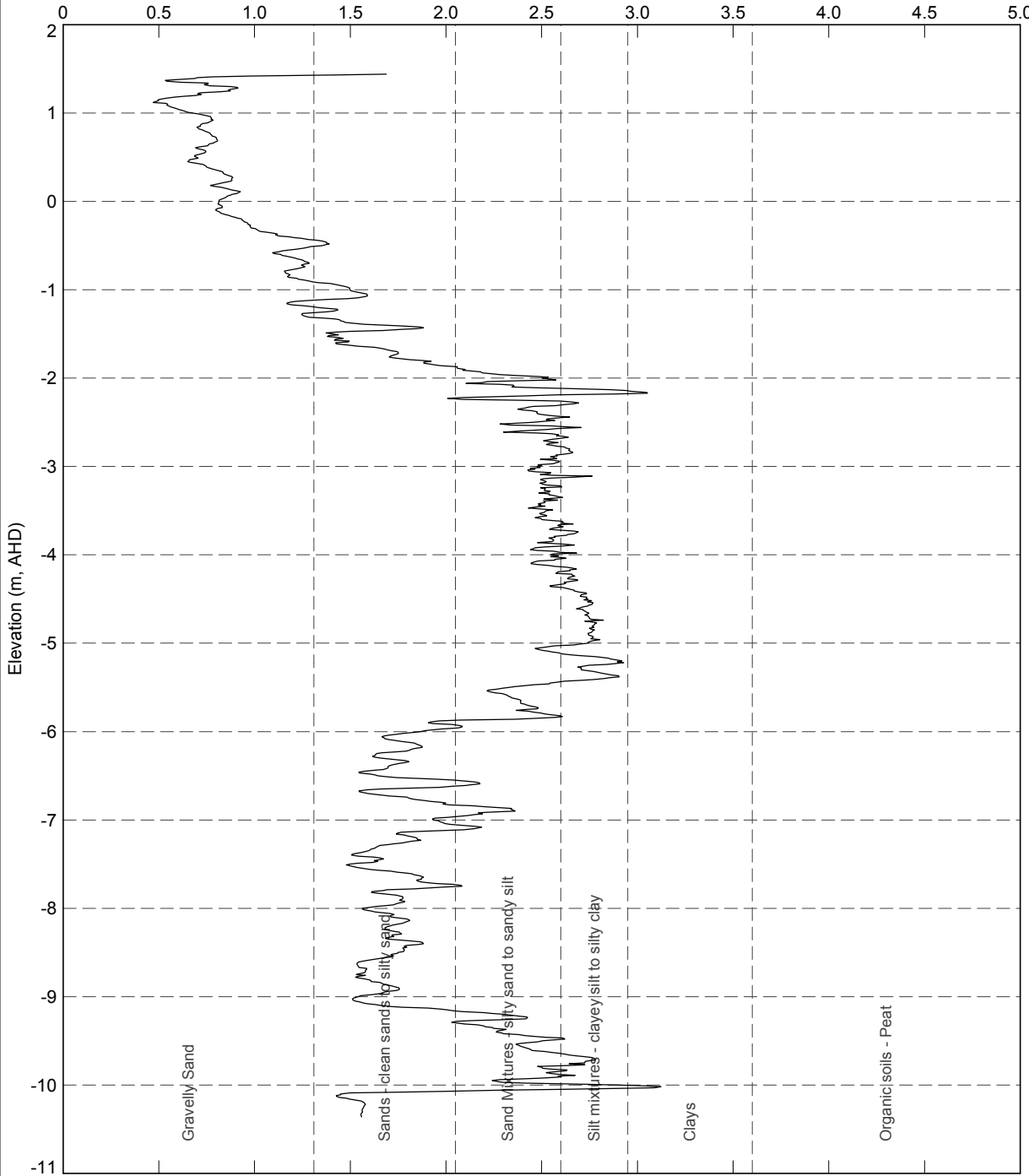
FIGURE No

101

Soil Behaviour Type Index, I_c - Robertson and Wride (1998)

PointID

CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT IC 1 RL LETP DATGEL CPT TOOL DGD 2.15 GPU <-DrawingFile> 27/Mar/2011 14:55 8.30.002 Datgel CPT Tool gINT Add-In

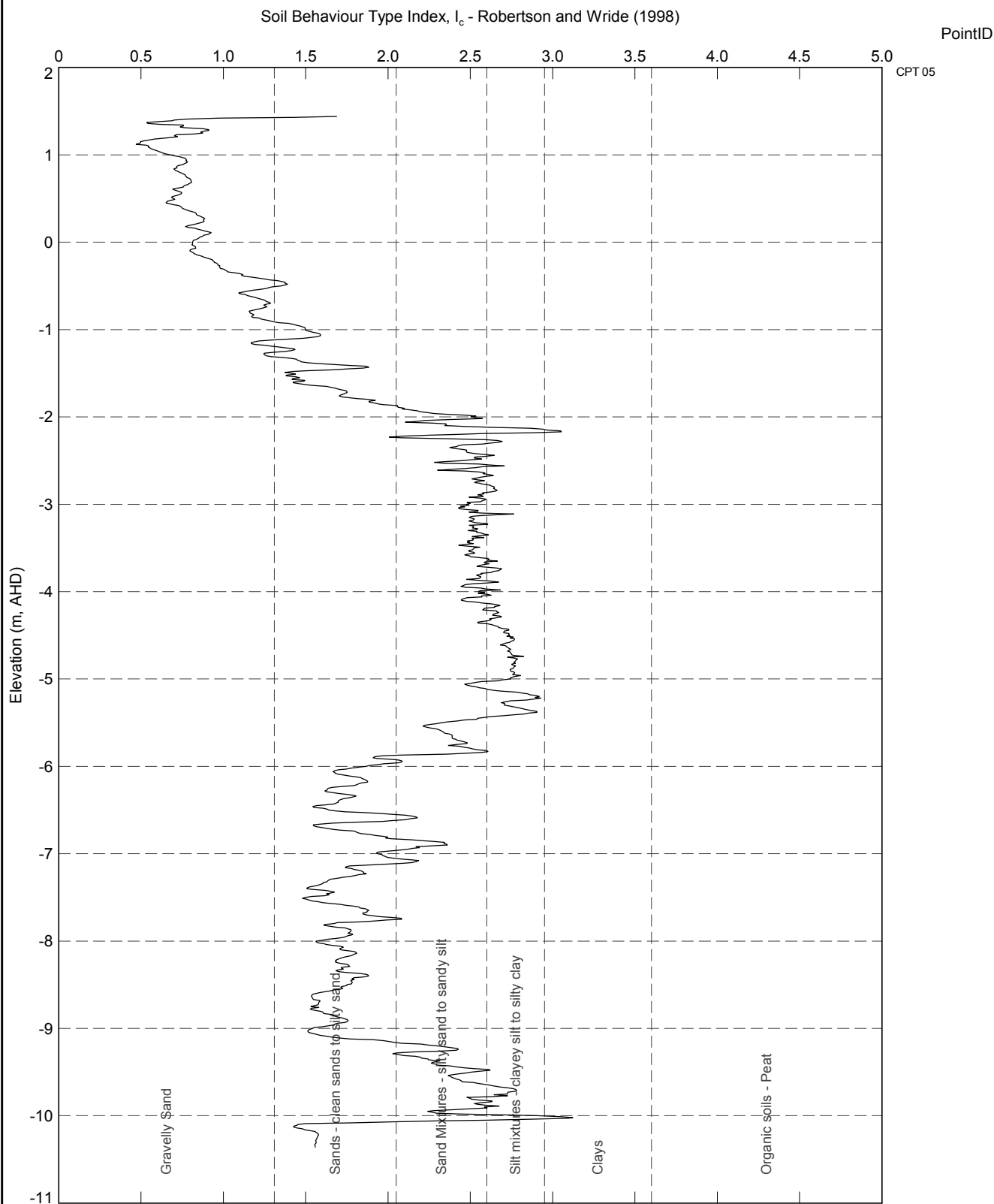


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	102

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC:1 RL COLOUR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:56 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

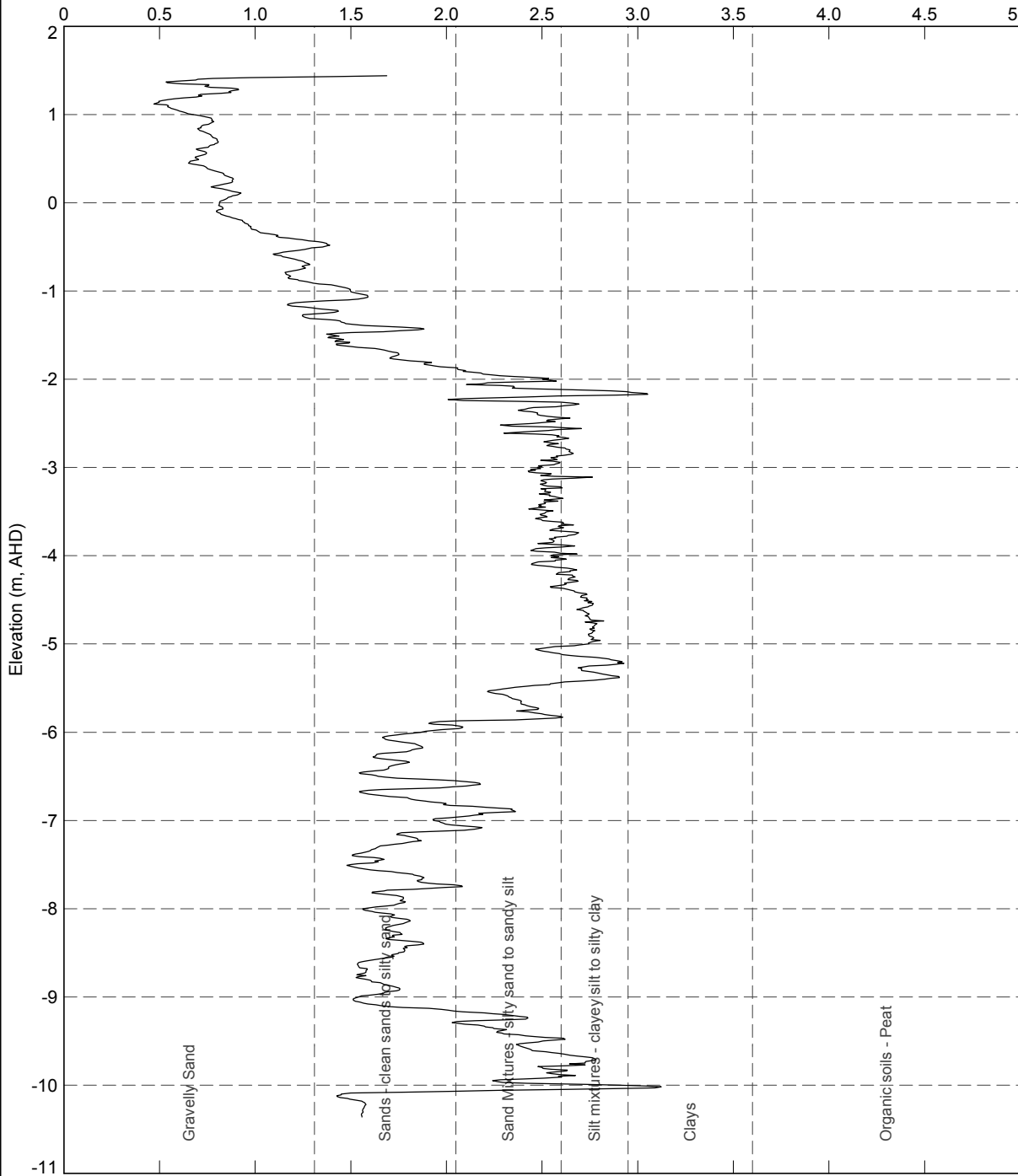
FIGURE No

103

Soil Behaviour Type Index, I_c - Robertson and Wride (1998)

PointID

CPT 05



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC 1 RL COLOUR LETP DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFile> 27/Mar/2011 14:56 8.30.002 Datgel CPT Tool gINT Add-In



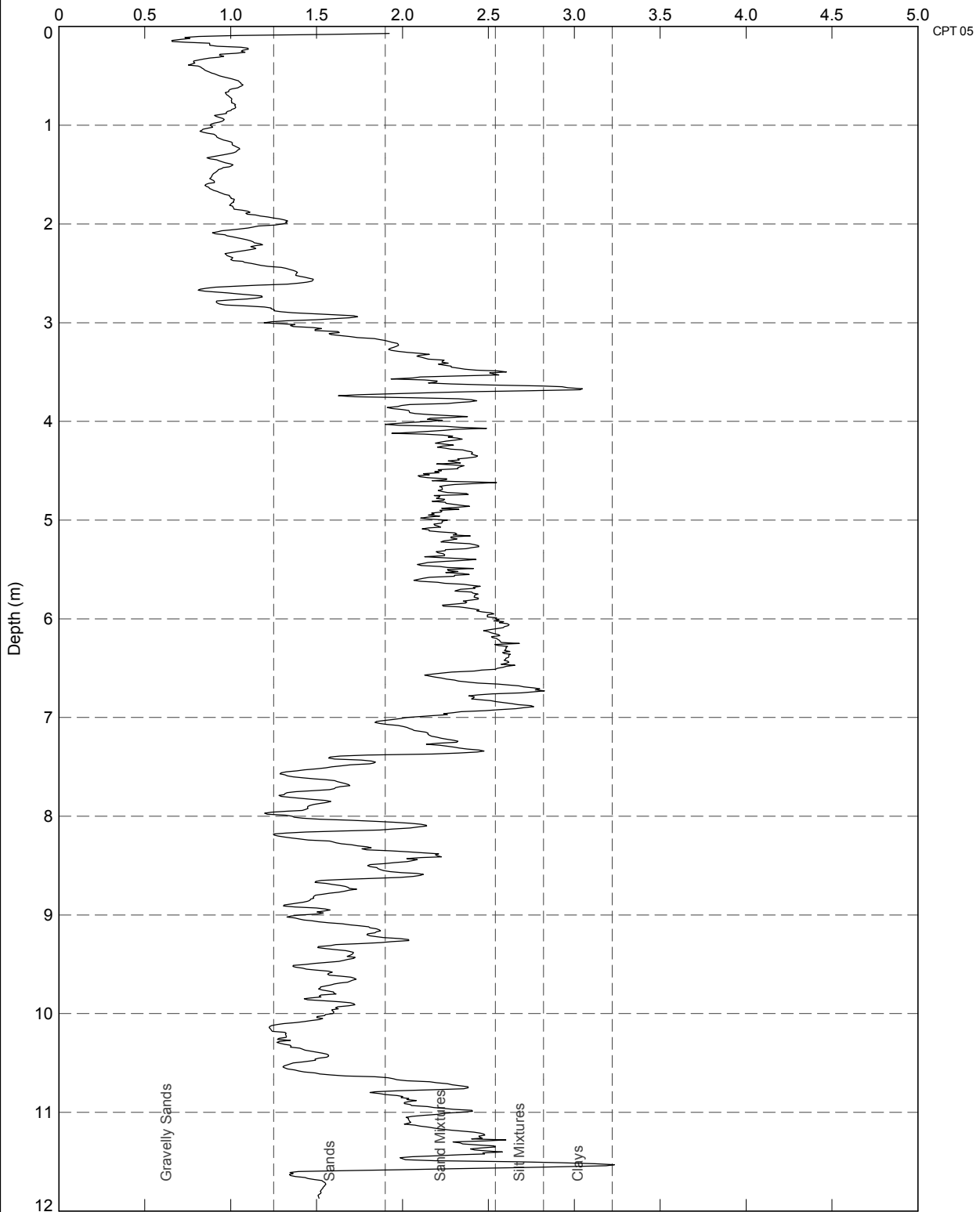
TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	104

Soil Behaviour Type Index, I_c - Jefferies and Davies (1993)

PointID



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC 2 DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:56 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

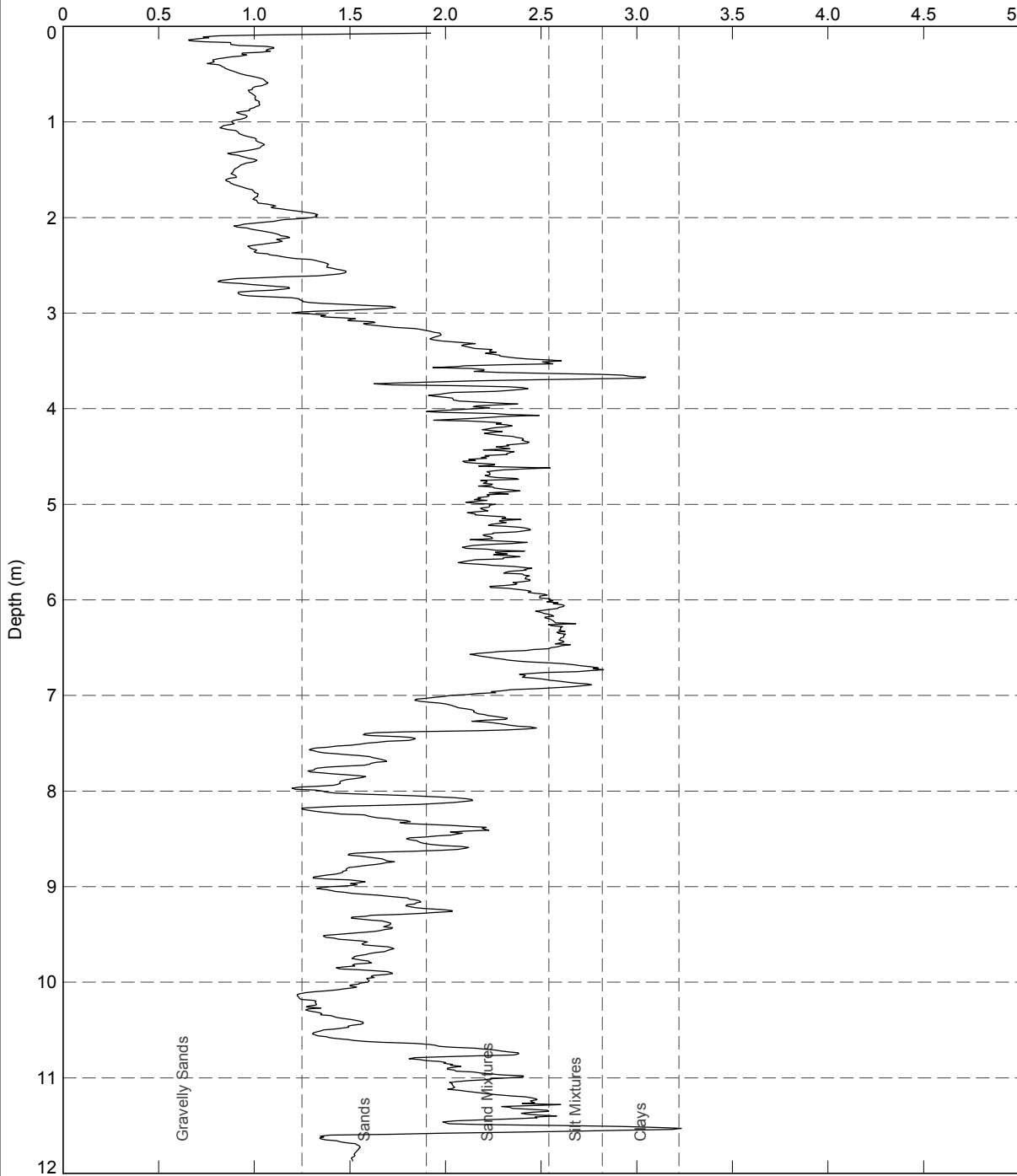
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	105

Soil Behaviour Type Index, I_c - Jefferies and Davies (1993)

PointID

CPT 05



Gravelly Sands

Sands

Sand Mixtures

Silt Mixtures

Clays



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

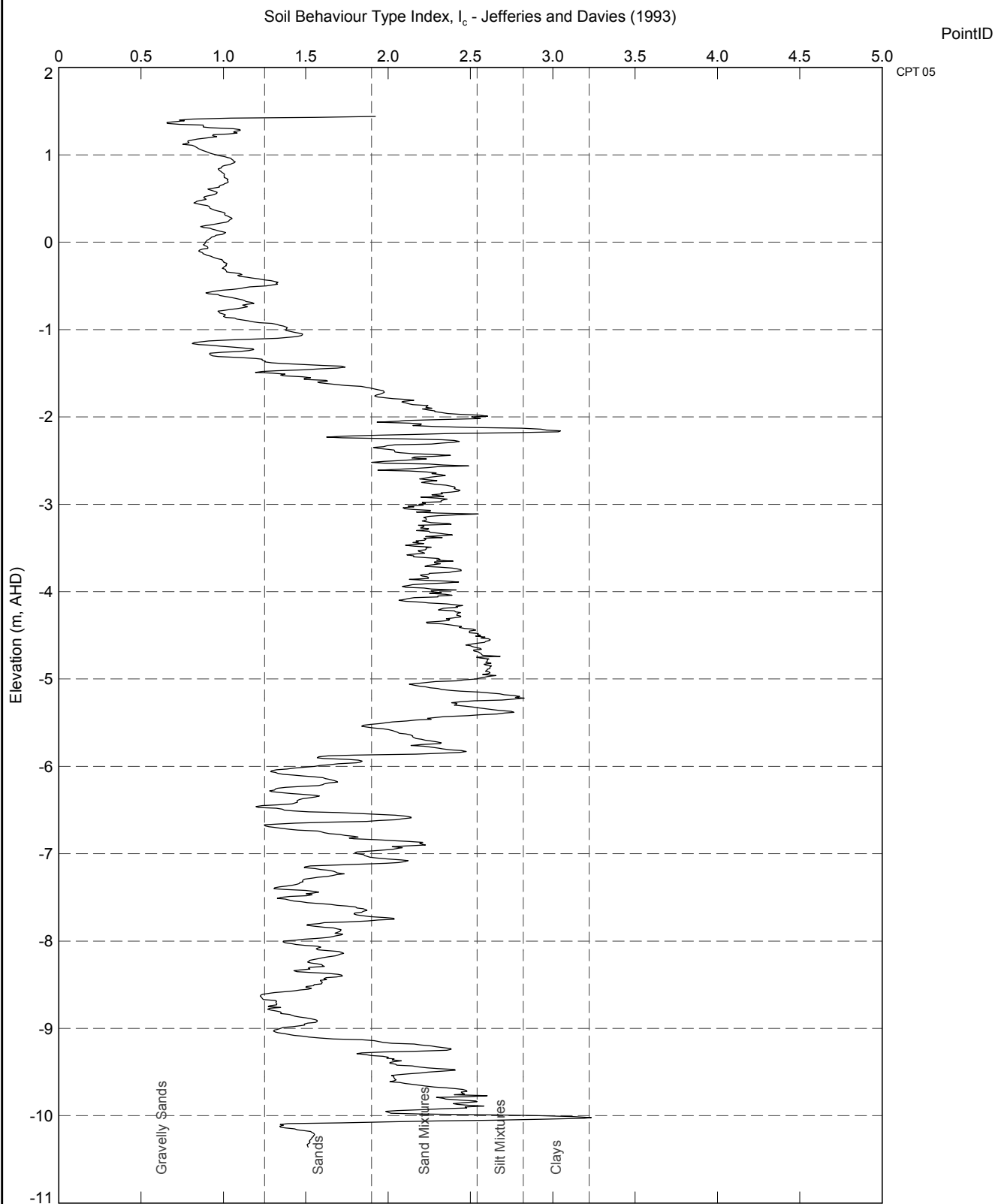
PROJECT No

2.15

FIGURE No

106

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT IC 2 RL COLOUR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:56 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

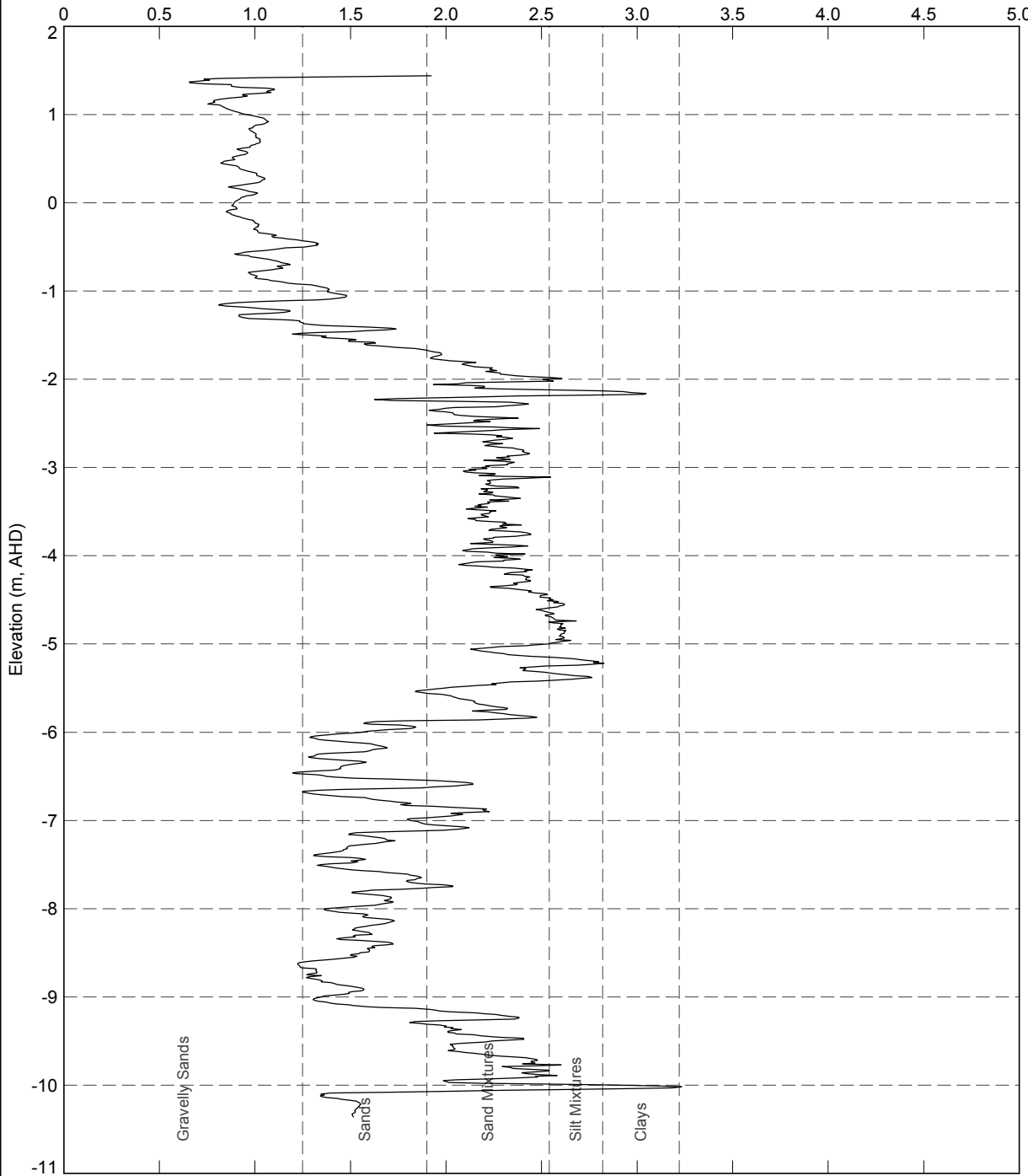
FIGURE No

107

Soil Behaviour Type Index, I_c - Jefferies and Davies (1993)

PointID

CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT IC 2 RL COLOUR LETP DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFile> 27/Mar/2011 14:56 8.30.002 Datgel CPT Tool gINT Add-In

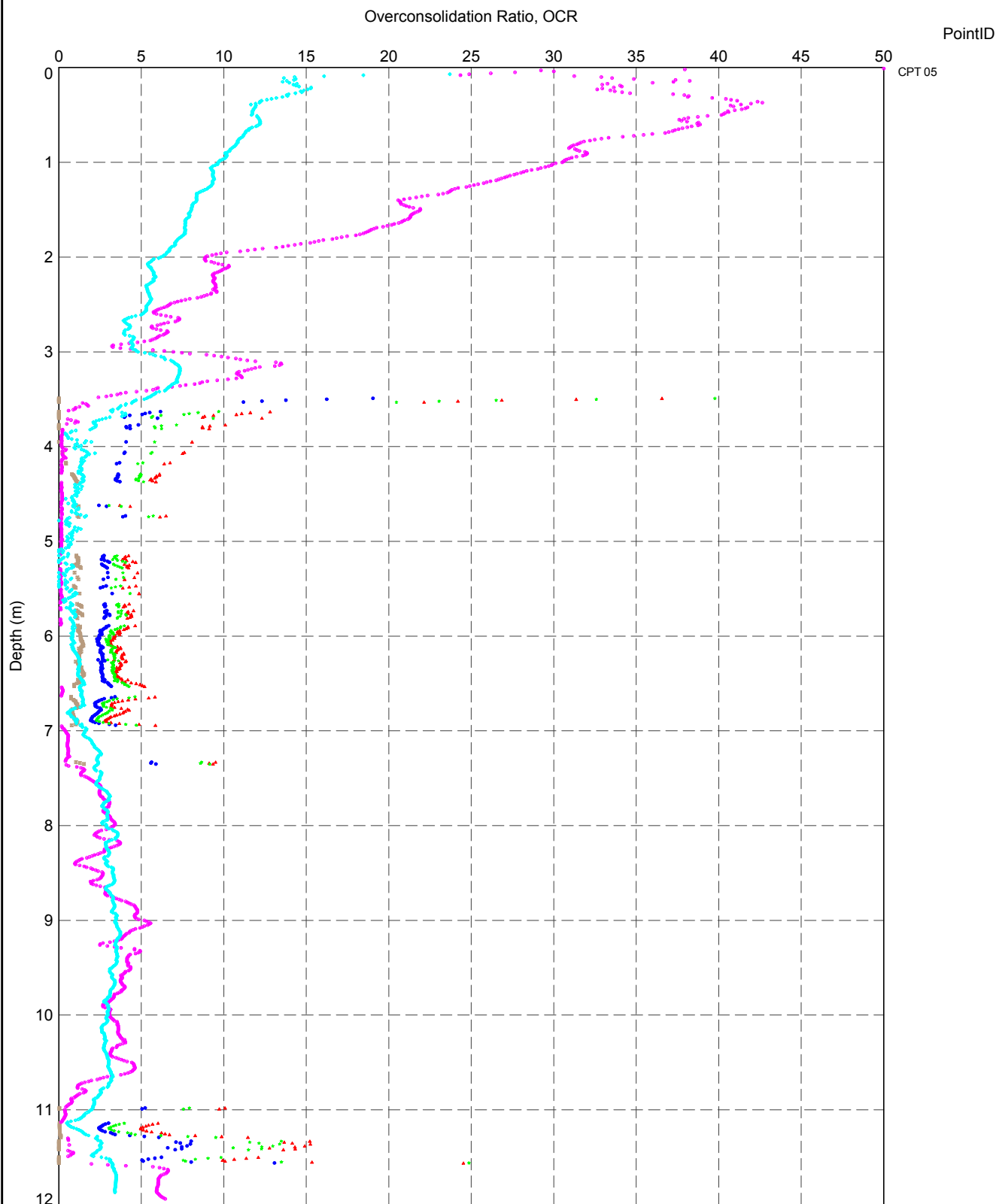


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Soil Behaviour Type Index versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	108

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT OCR DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 14:58 8.30.002 Datgel CPT Tool glNT Add-In



Geotechnics • Geoenvironment • Laboratory

TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Overconsolidation Ratio versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

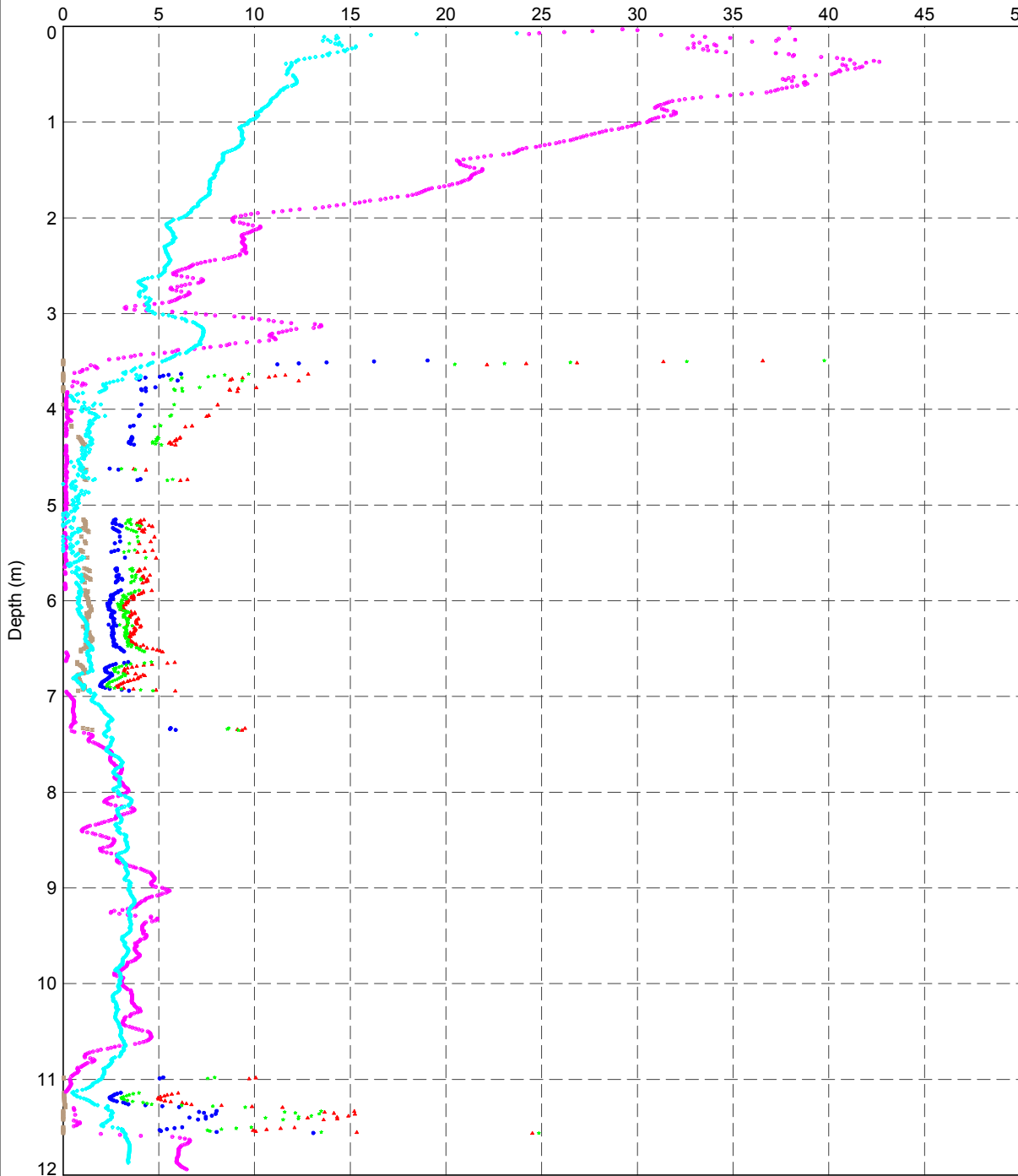
FIGURE No

109

Overconsolidation Ratio, OCR

PointID

CPT 05



Method:

- Mayne (1995); Demers & Leroueil (2002)
- Chen & Mayne (1996)
- ▲ Mayne (2005)
- ★ Robertson (2009)
- Mayne (2005)
- Mayne (2007)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Overconsolidation Ratio versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

PROJECT No

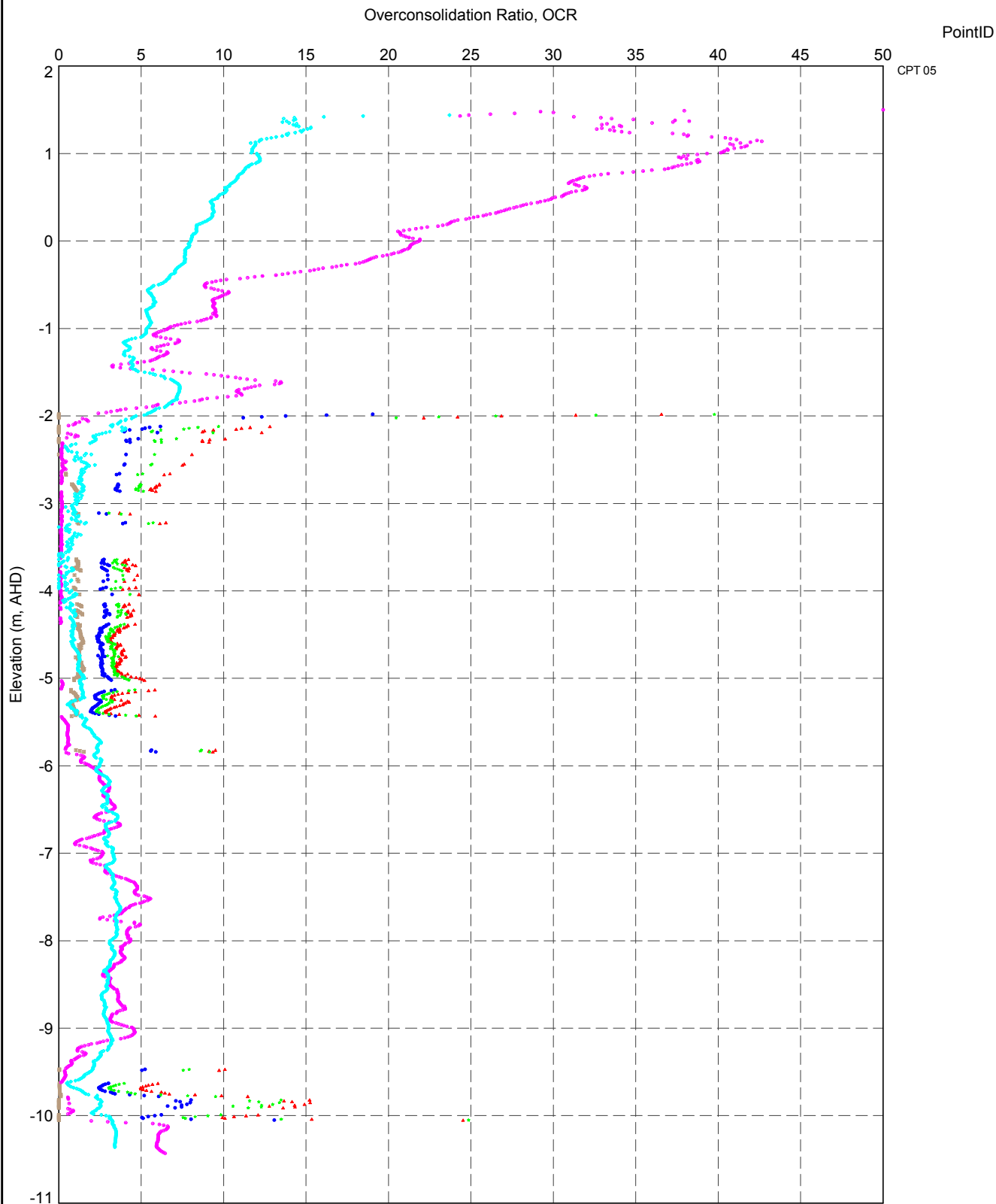
2.15

FIGURE No

110

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT OCR DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 15:01 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT OCR RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:03 8:30.002 Datgel CPT Tool gINT Add-in



Method:

- Mayne (1995); Demers & Leroueil (2002)
- Chen & Mayne (1996)
- ▲ Mayne (2005)
- ★ Robertson (2009)
- Mayne (2005)
- Mayne (2007)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Overconsolidation Ratio versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

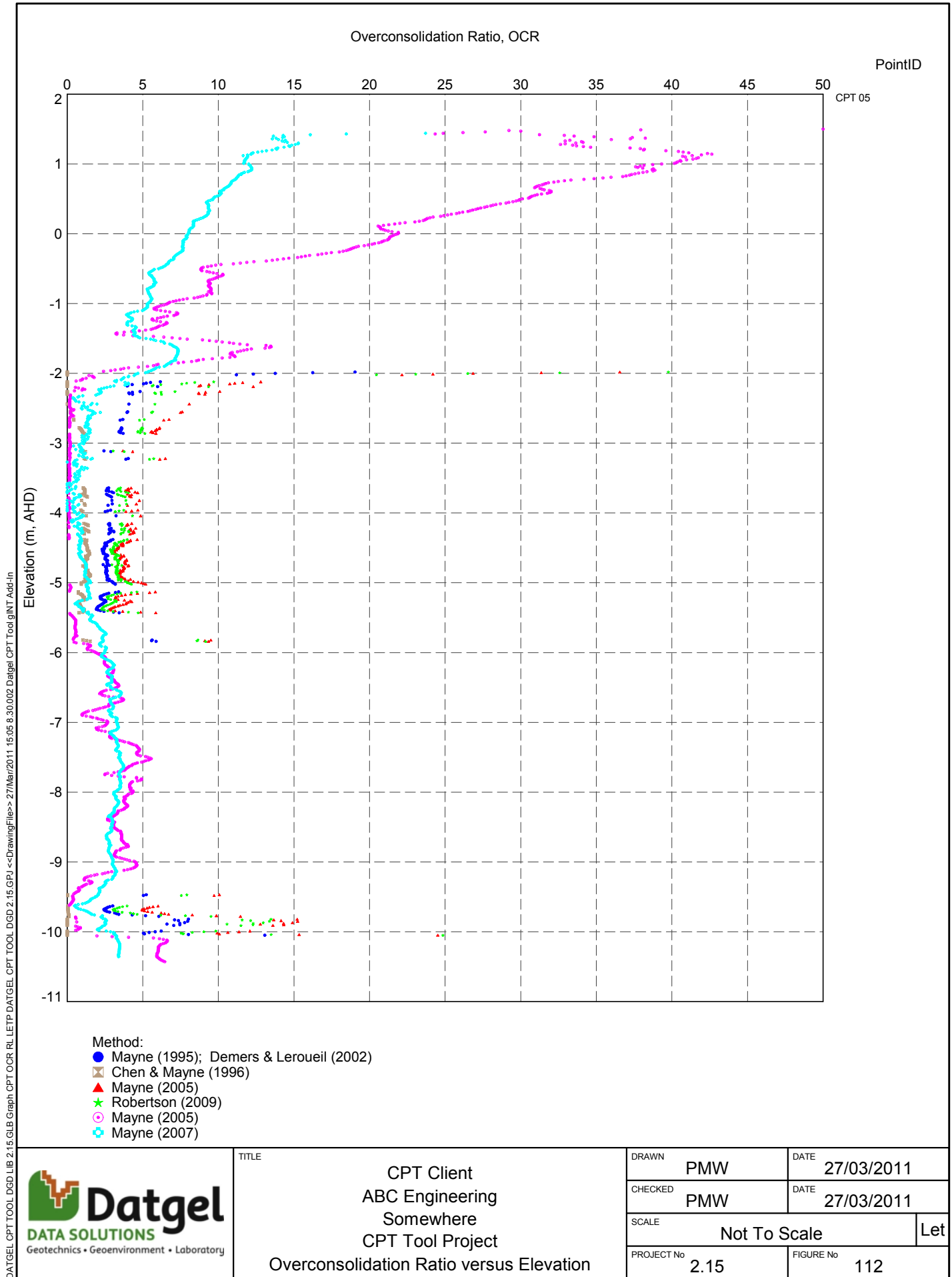
A4

PROJECT No

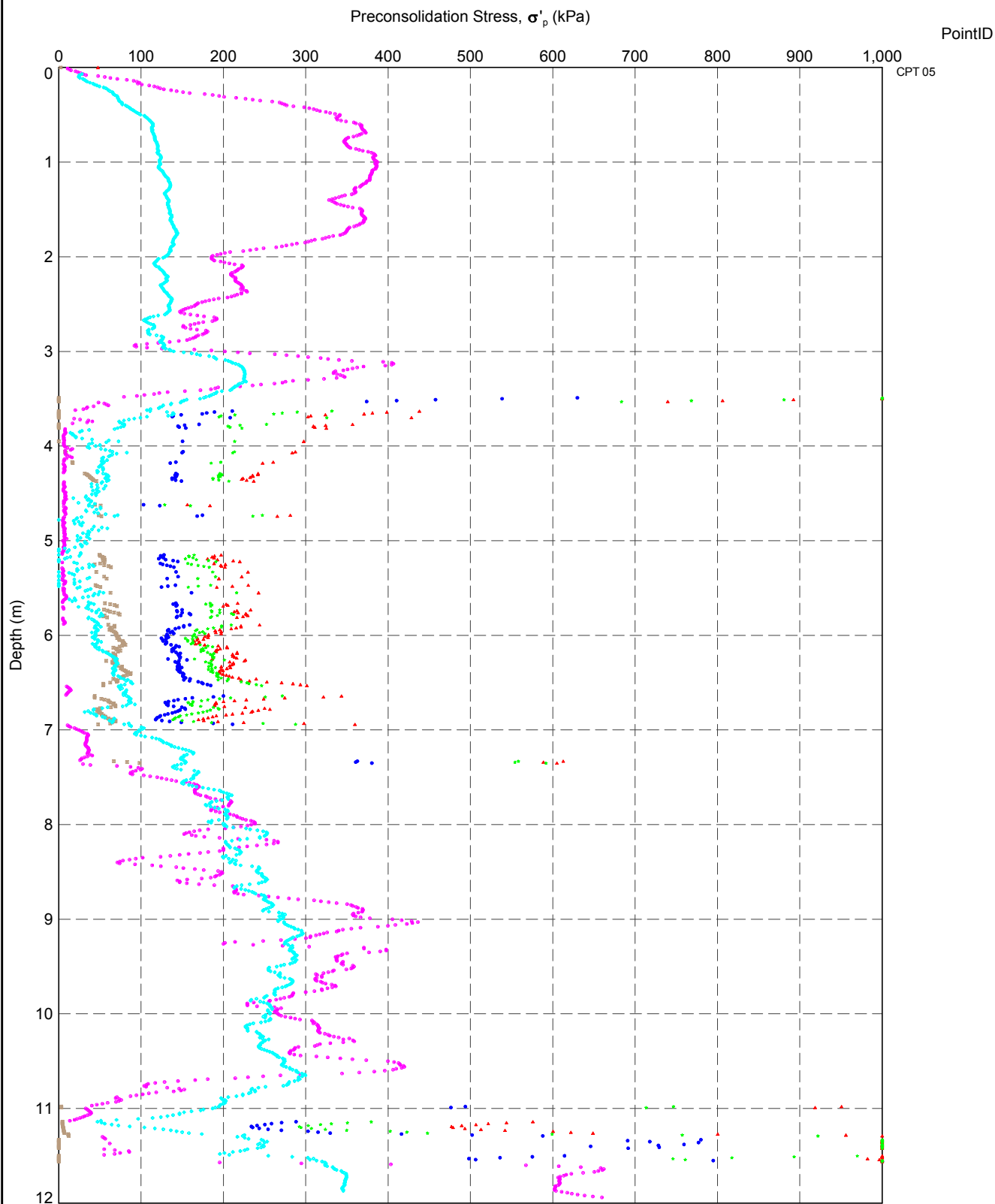
2.15

FIGURE No

111



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT PRECONSOLIDATION STRESS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:08 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Preconsolidation Stress versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

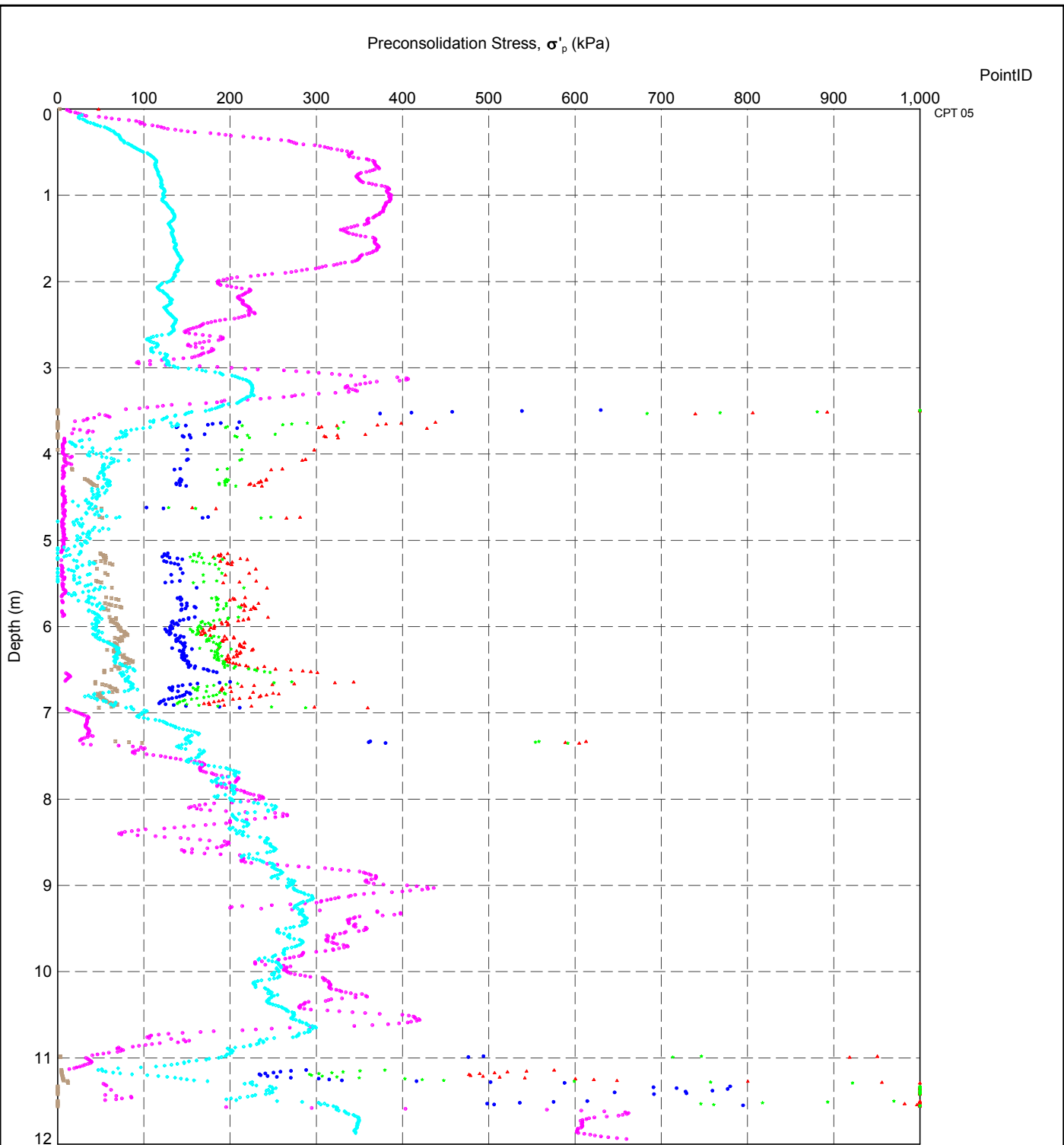
PROJECT No

2.15

FIGURE No

113

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT PRECONSOLIDATION STRESS DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:10 8.30.002 Datgel CPT Tool gINT Add-In



- Method:
- Mayne (1995); Demers & Leroueil (2002)
 - Chen & Mayne (1996)
 - ▲ Mayne (2005)
 - ★ Robertson (2009)
 - Mayne (2005)
 - ◊ Mayne (2007)

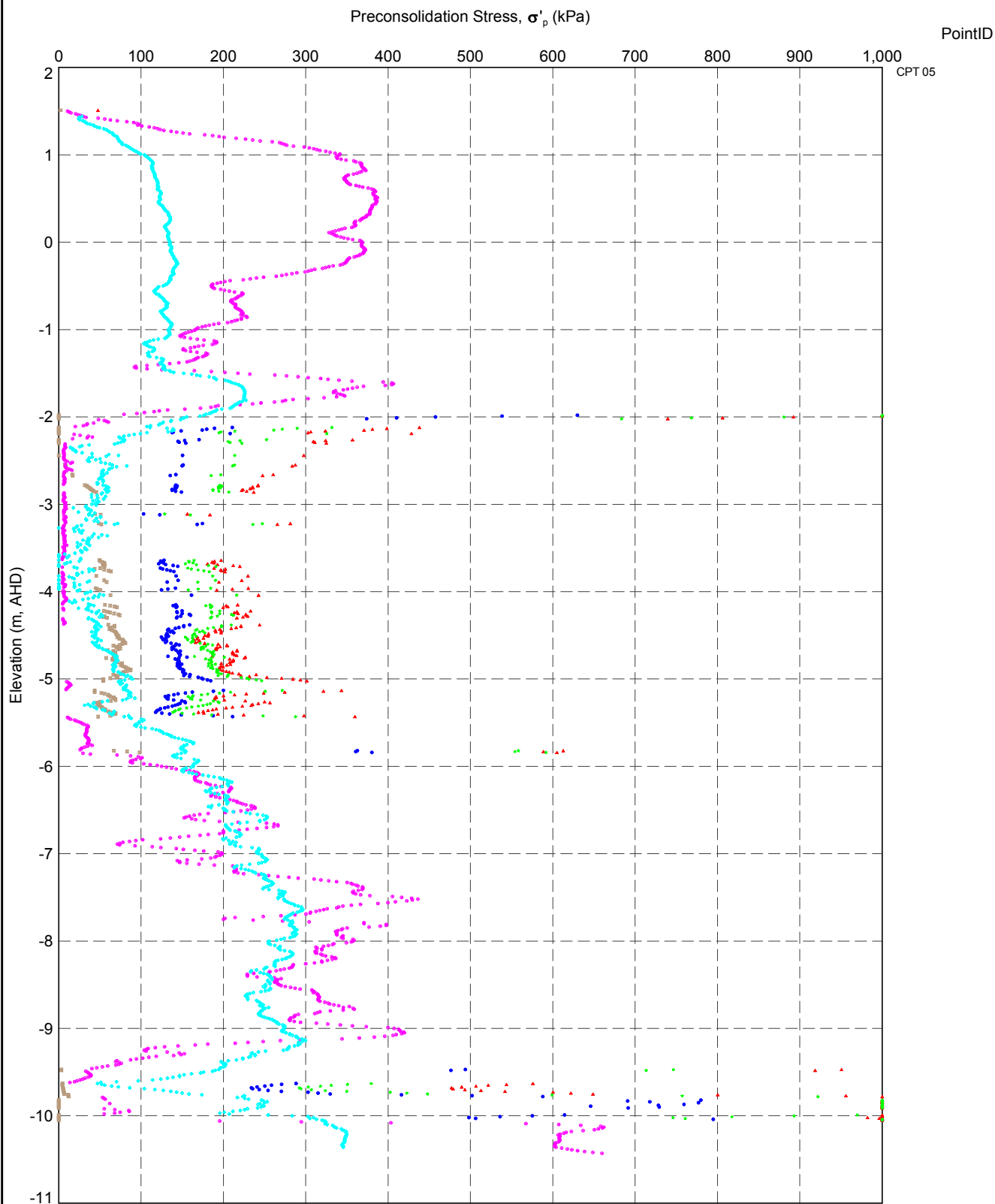


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Preconsolidation Stress versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	114

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT PRECONSOLIDATION STRESS RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:12 8.30.002 Datgel CPT Tool gINT Add-In



- Method:
- Mayne (1995); Demers & Leroueil (2002)
 - Chen & Mayne (1996)
 - ▲ Mayne (2005)
 - ★ Robertson (2009)
 - Mayne (2005)
 - ◇ Mayne (2007)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Preconsolidation Stress versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

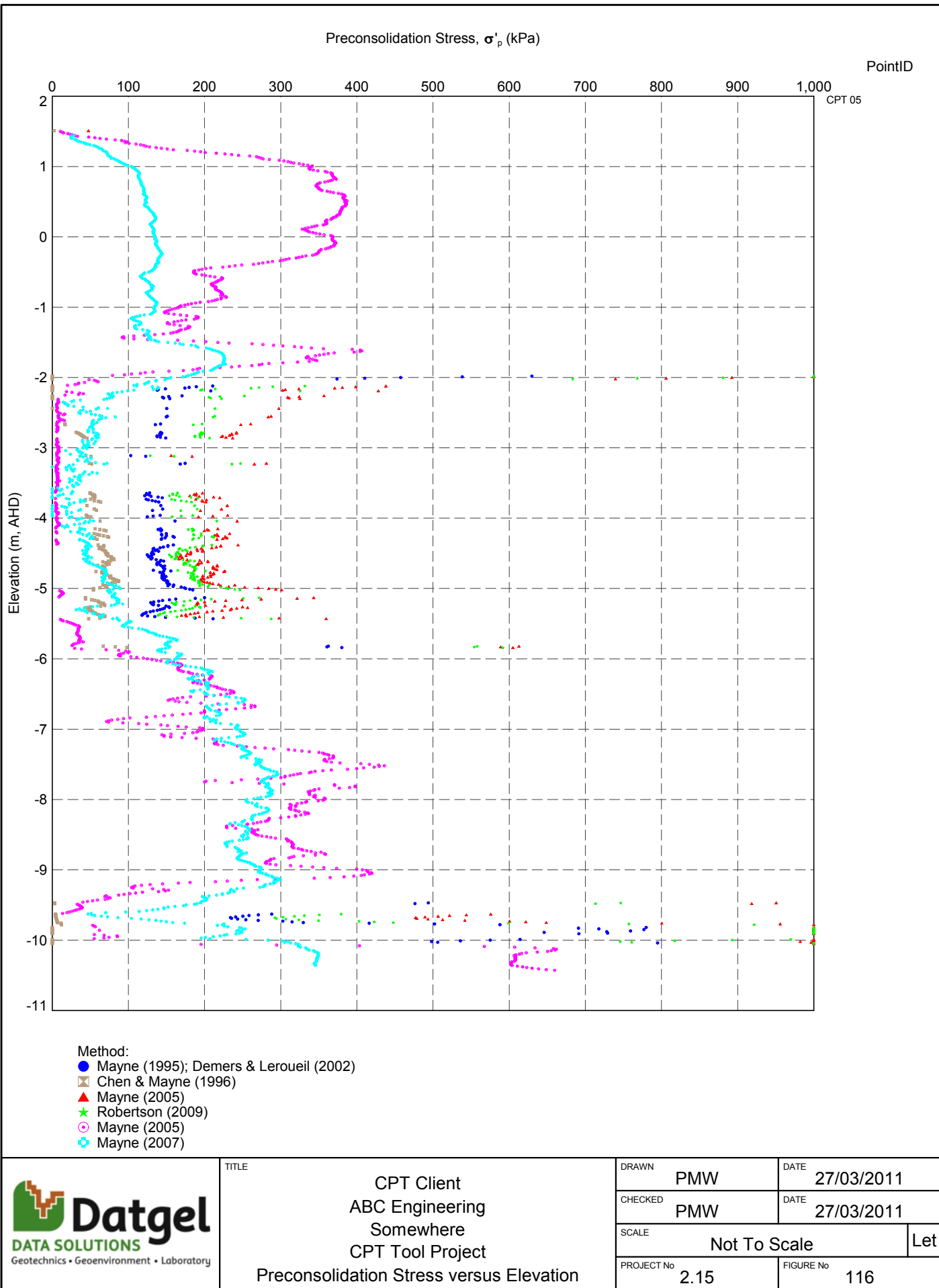
PROJECT No

2.15

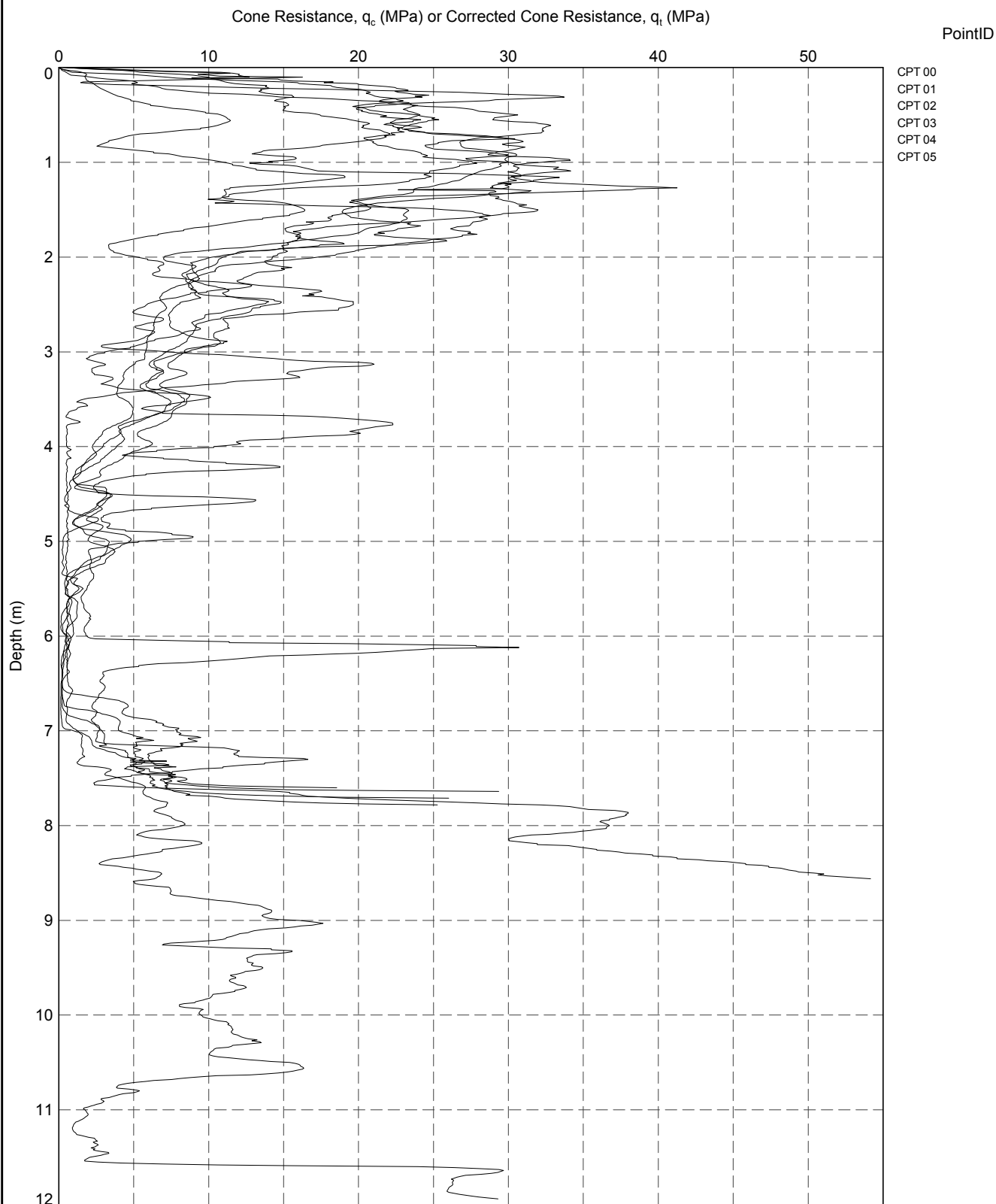
FIGURE No

115

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT PRECONSOLIDATION STRESS RL LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:15:8.30.002 Datgel CPT Tool gINT Add-in



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT QC QT VS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:15 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

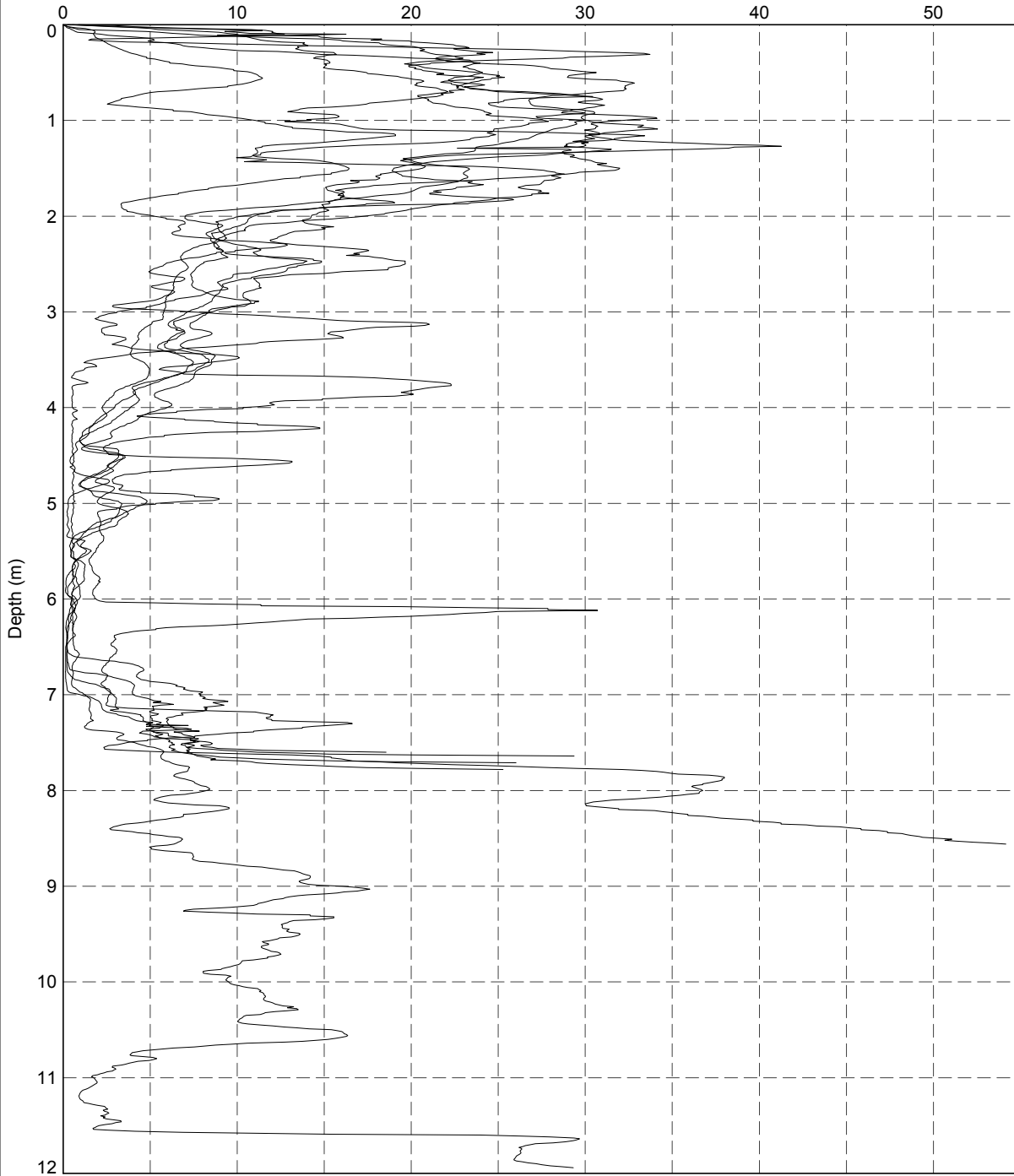
FIGURE No

117

Cone Resistance, q_c (MPa) or Corrected Cone Resistance, q_t (MPa)

PointID

CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT OC QT VS DEPTH LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:15:8.30.002 Datgel CPT Tool gINT Add-In

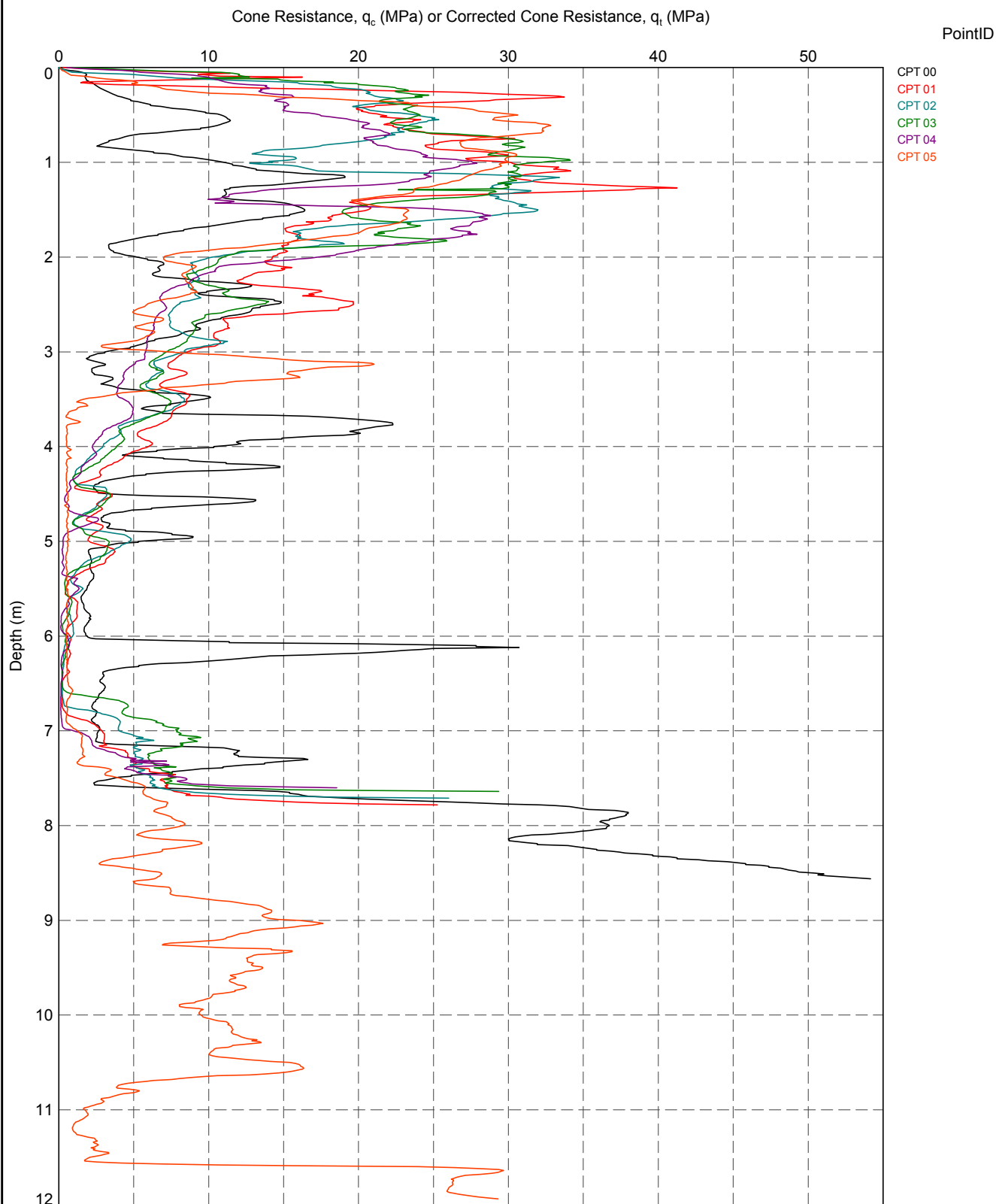


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	118

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT QC QT VS DEPTH COLOUR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:16 8.30.002 Datgel CPT Tool glINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

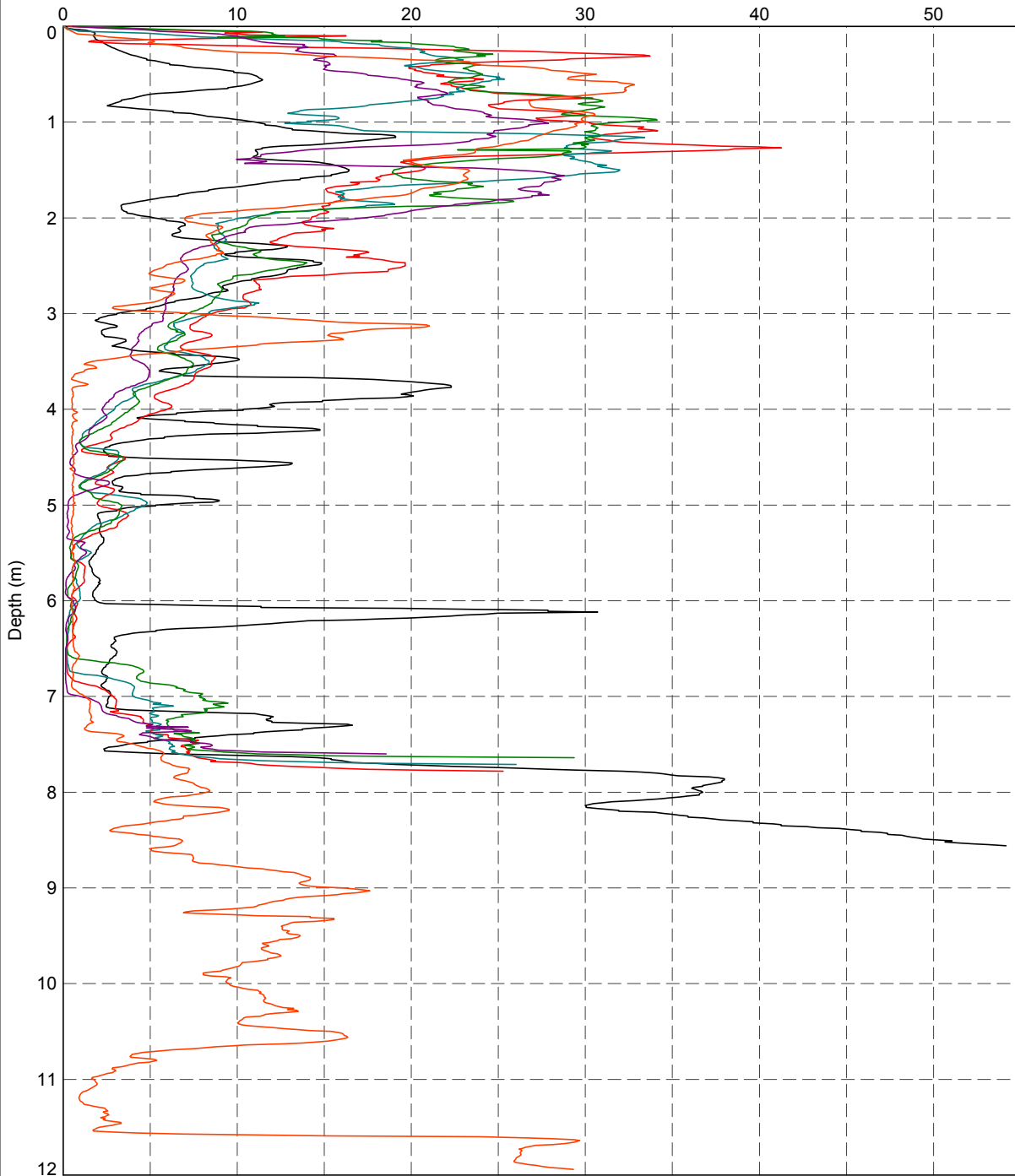
2.15

FIGURE No

119

Cone Resistance, q_c (MPa) or Corrected Cone Resistance, q_t (MPa)

PointID



CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05

DATGEL CPT TOOL DGD 2.15 GJB Graph CPT OC QT VS DEPTH COLOUR LETP DATGEL CPT TOOL DGD 2.15 GJB <DrawingFile>> 27 Mar 2011 15:16:8.30.002 Datgel CPT Tool gINT Add-In

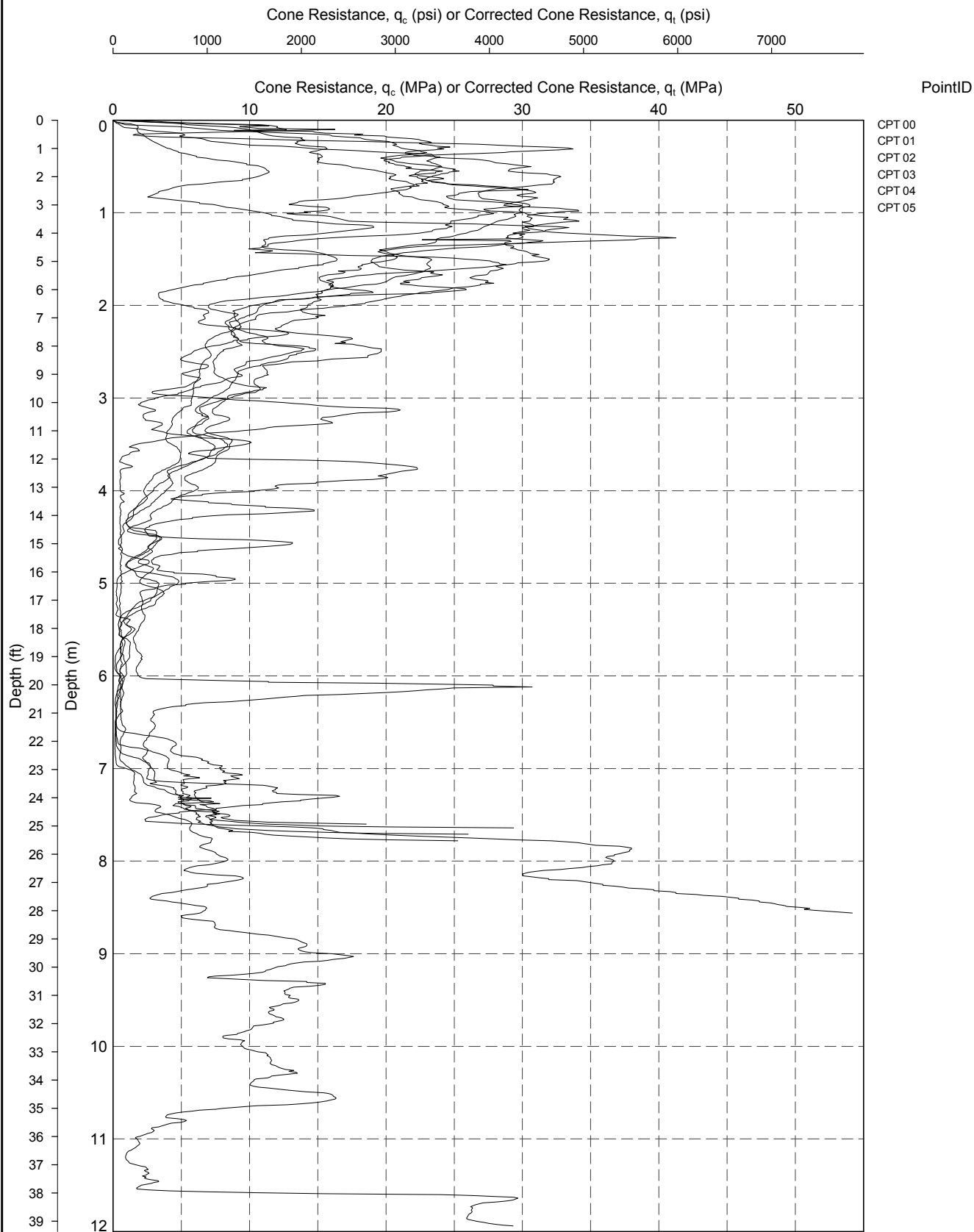


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	120

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT QC QT VS DEPTH FT PSI A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:16 8.30.002 Datgel CPT Tool gINT Add-In



PointID
CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05

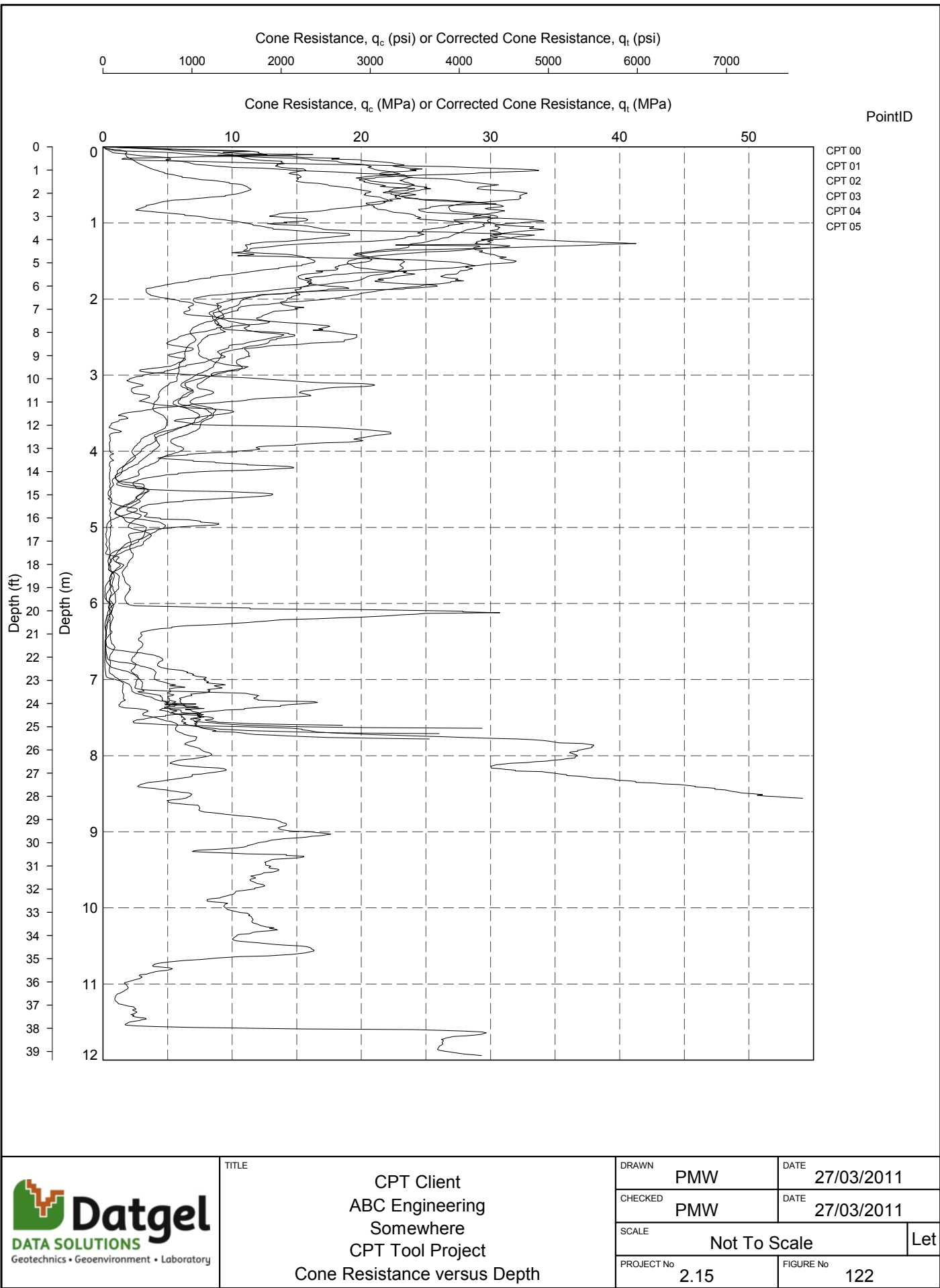


TITLE

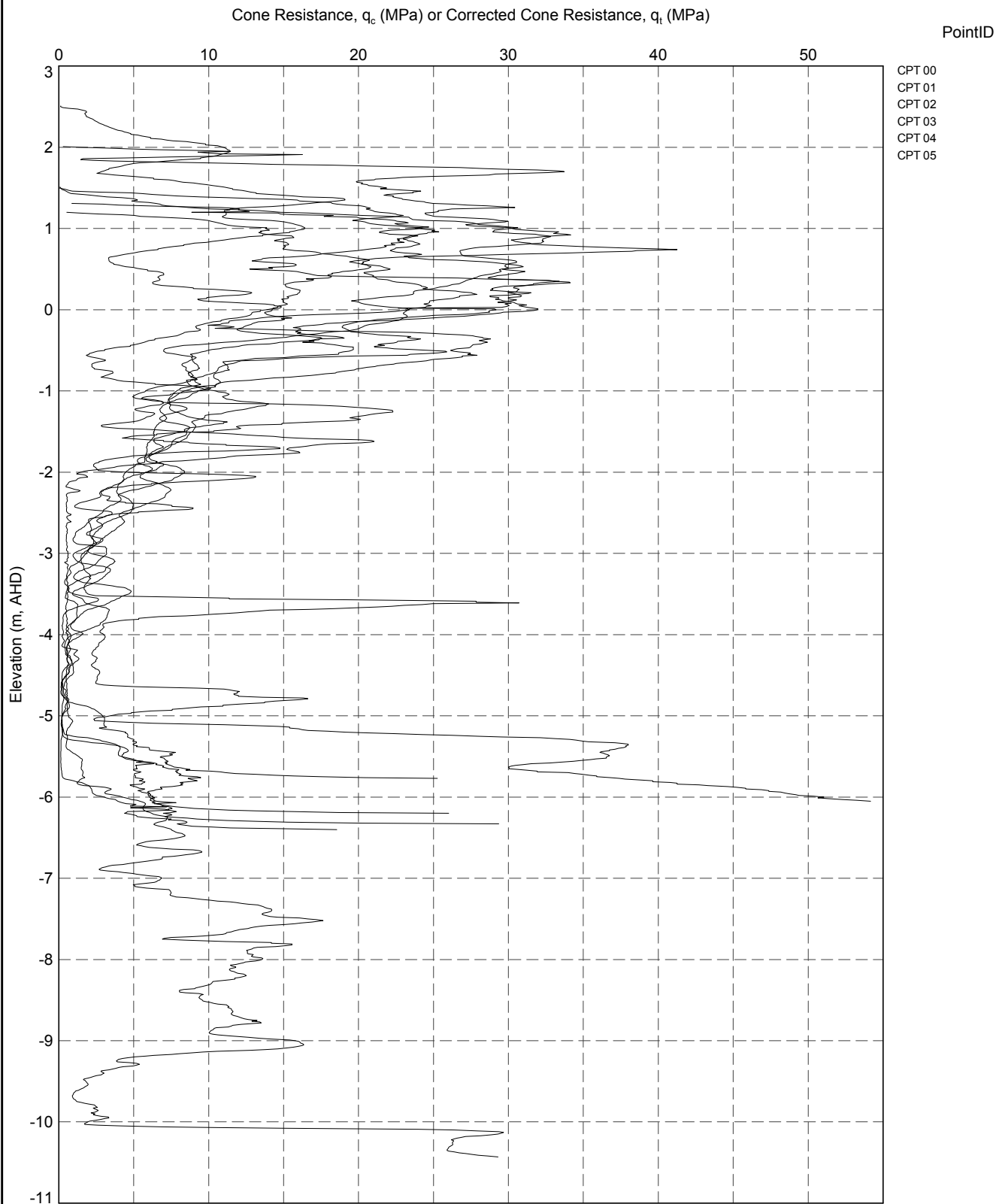
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	121

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT OC QT VS DEPTH FT PSI LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:16 8.30.002 Datgel CPT Tool gINT Add-In



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT QC QT VS ELEVATION A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:17 8.30.002 Datgel CPT Tool glINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

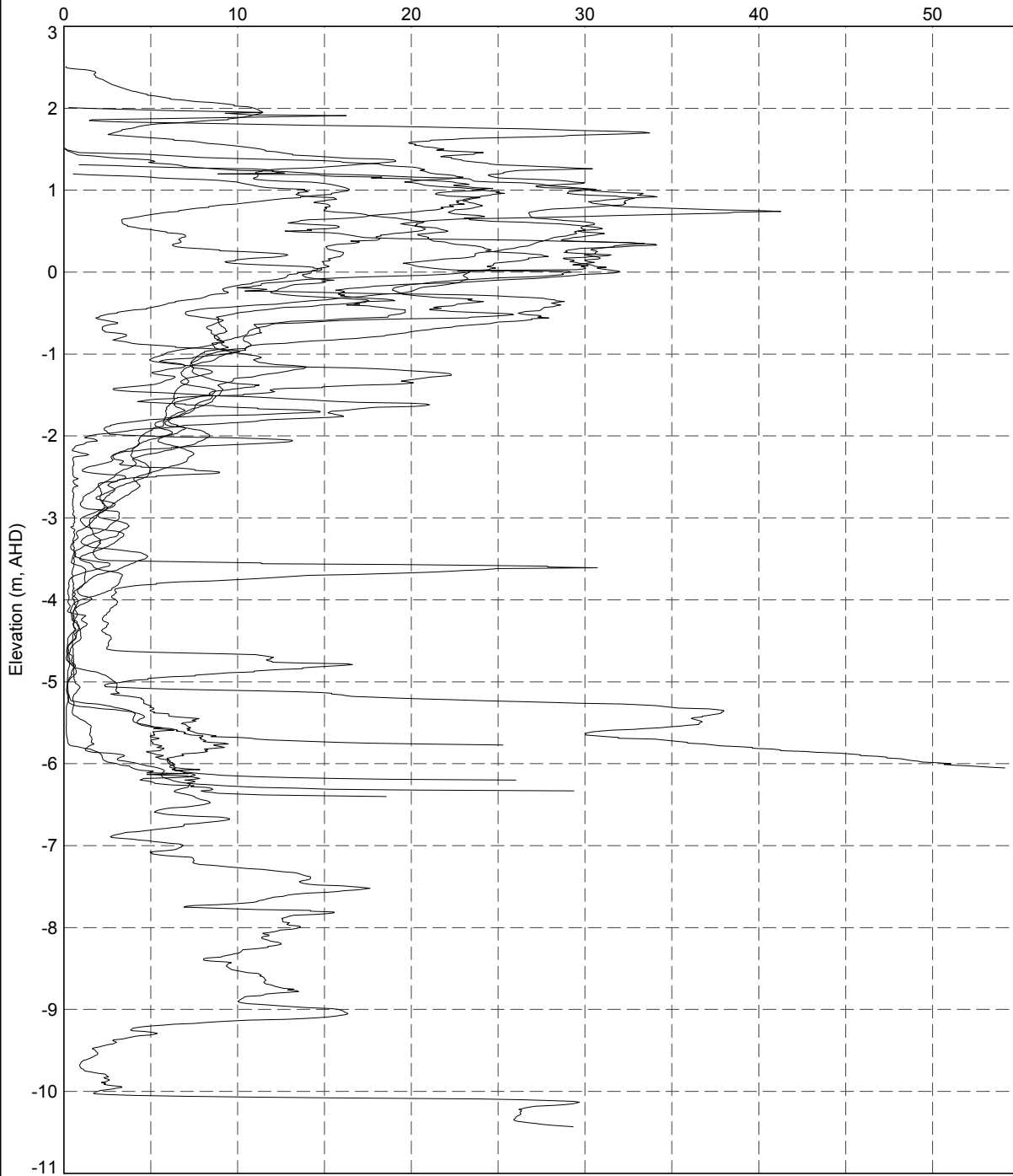
FIGURE No

123

Cone Resistance, q_c (MPa) or Corrected Cone Resistance, q_t (MPa)

PointID

CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT OC QT VS ELEVATION LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:17 8.30.002 Datgel CPT Tool gINT Add-In

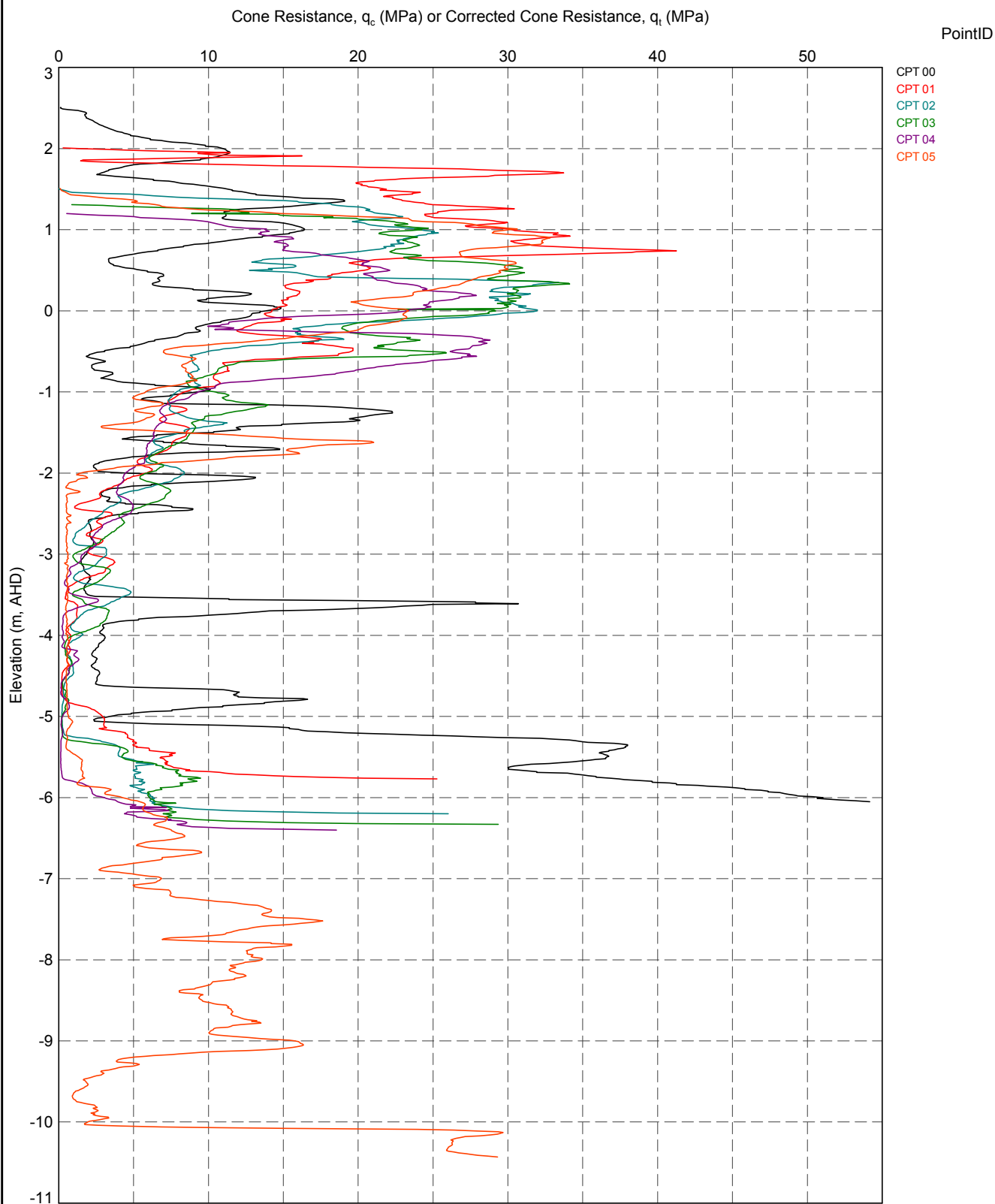


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	124

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT QC QT VS ELEVATION COLOUR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:18 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

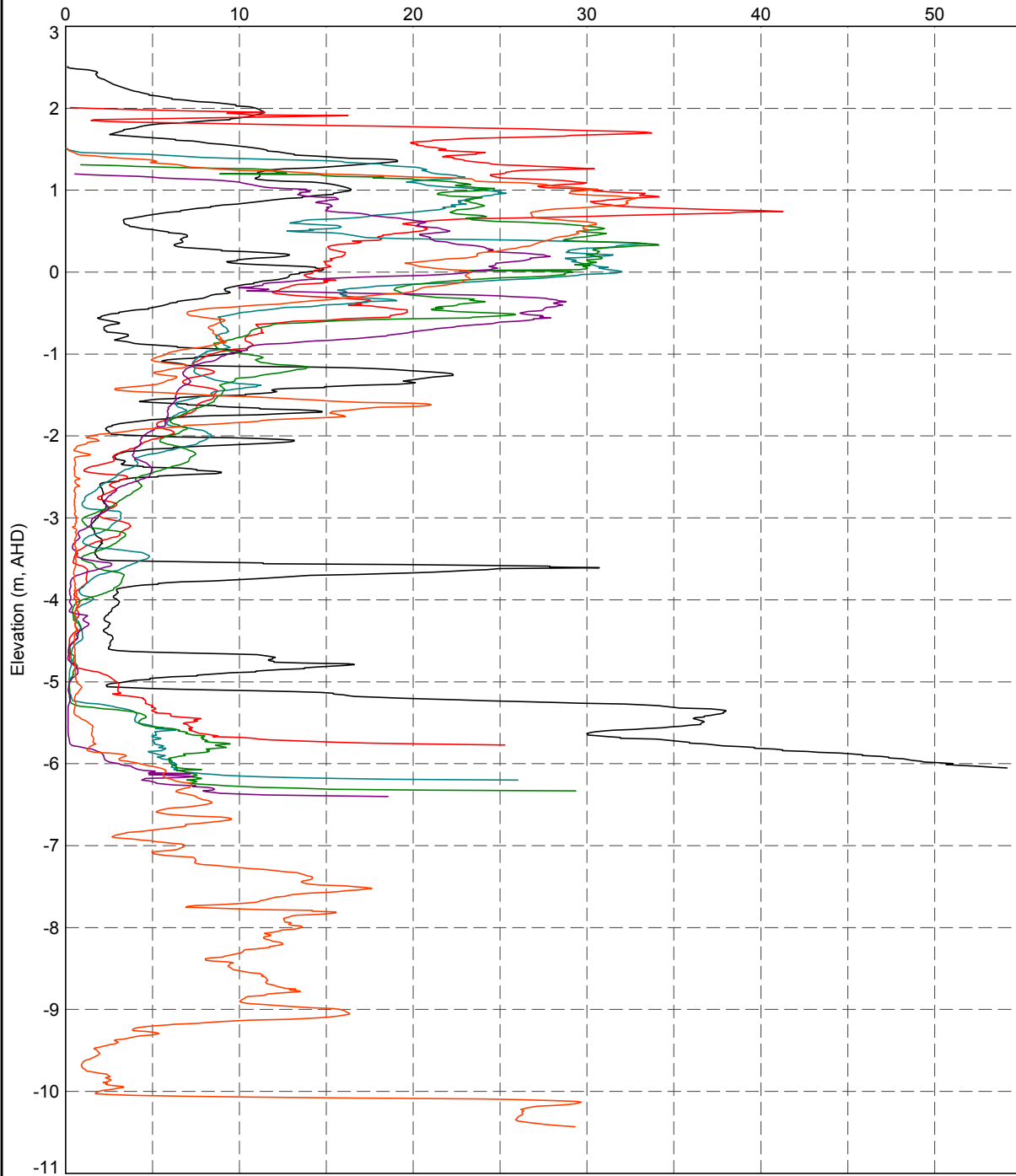
2.15

FIGURE No

125

Cone Resistance, q_c (MPa) or Corrected Cone Resistance, q_t (MPa)

PointID



CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT OC QT VS ELEVATION COLOUR LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27Mar2011 15:18 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Cone Resistance versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

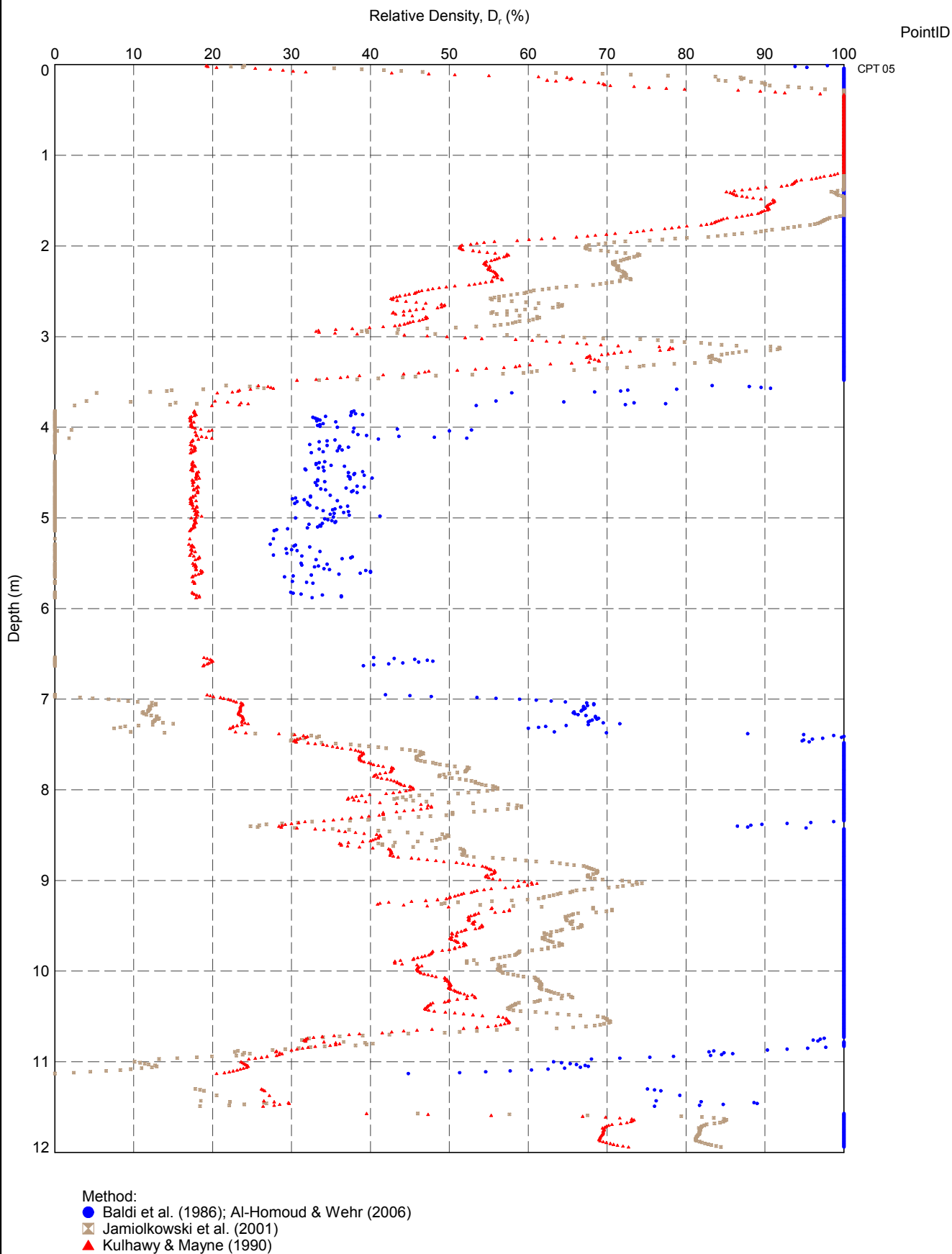
PROJECT No

2.15

FIGURE No

126

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RELATIVE DENSITY DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:20 8.30.002 Datgel CPT Tool glINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Relative Density versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

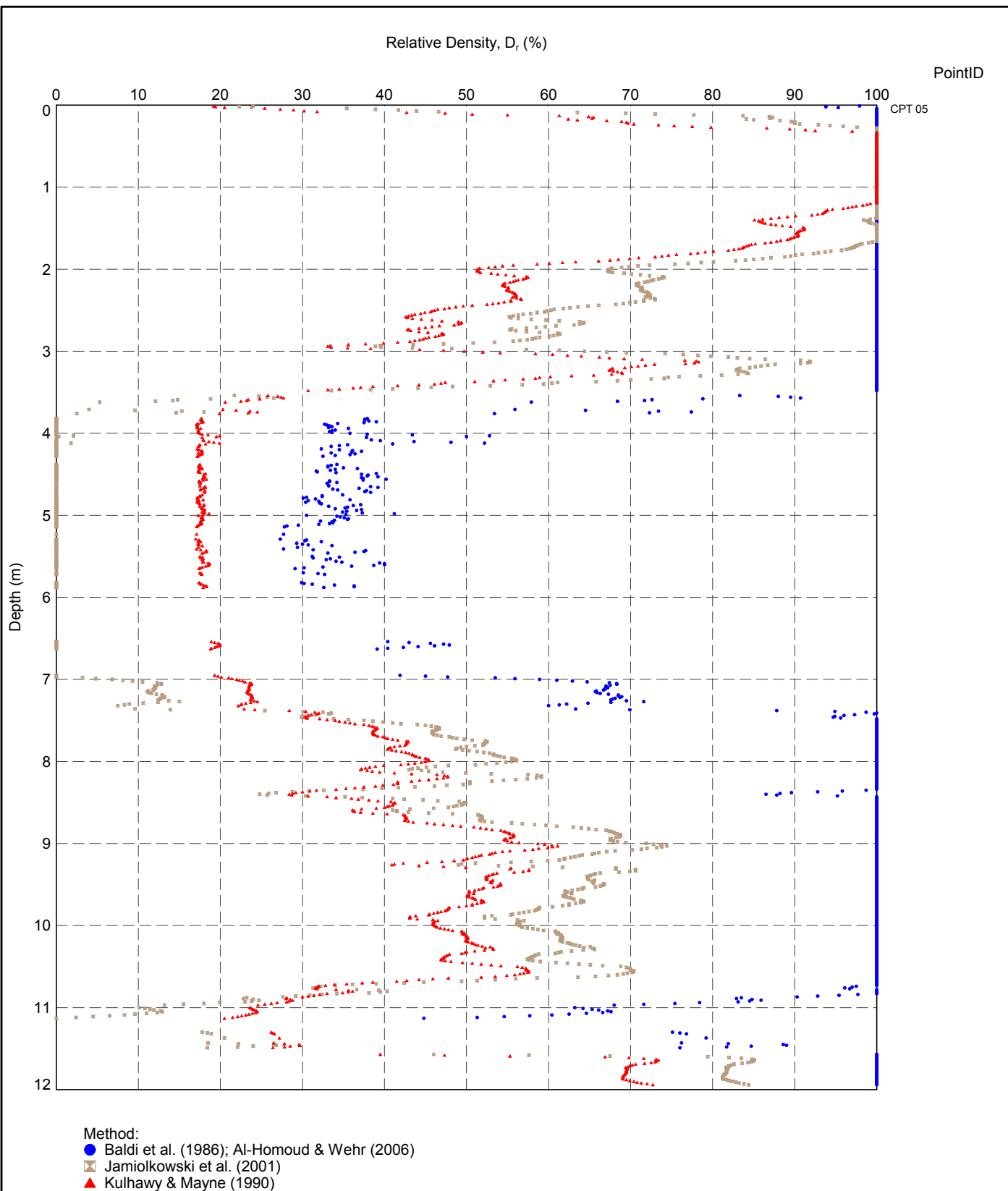
PROJECT No

2.15

FIGURE No

127

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT RELATIVE DENSITY DEPTH LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:22 8.30.002 Datgel CPT Tool gINT Add-In

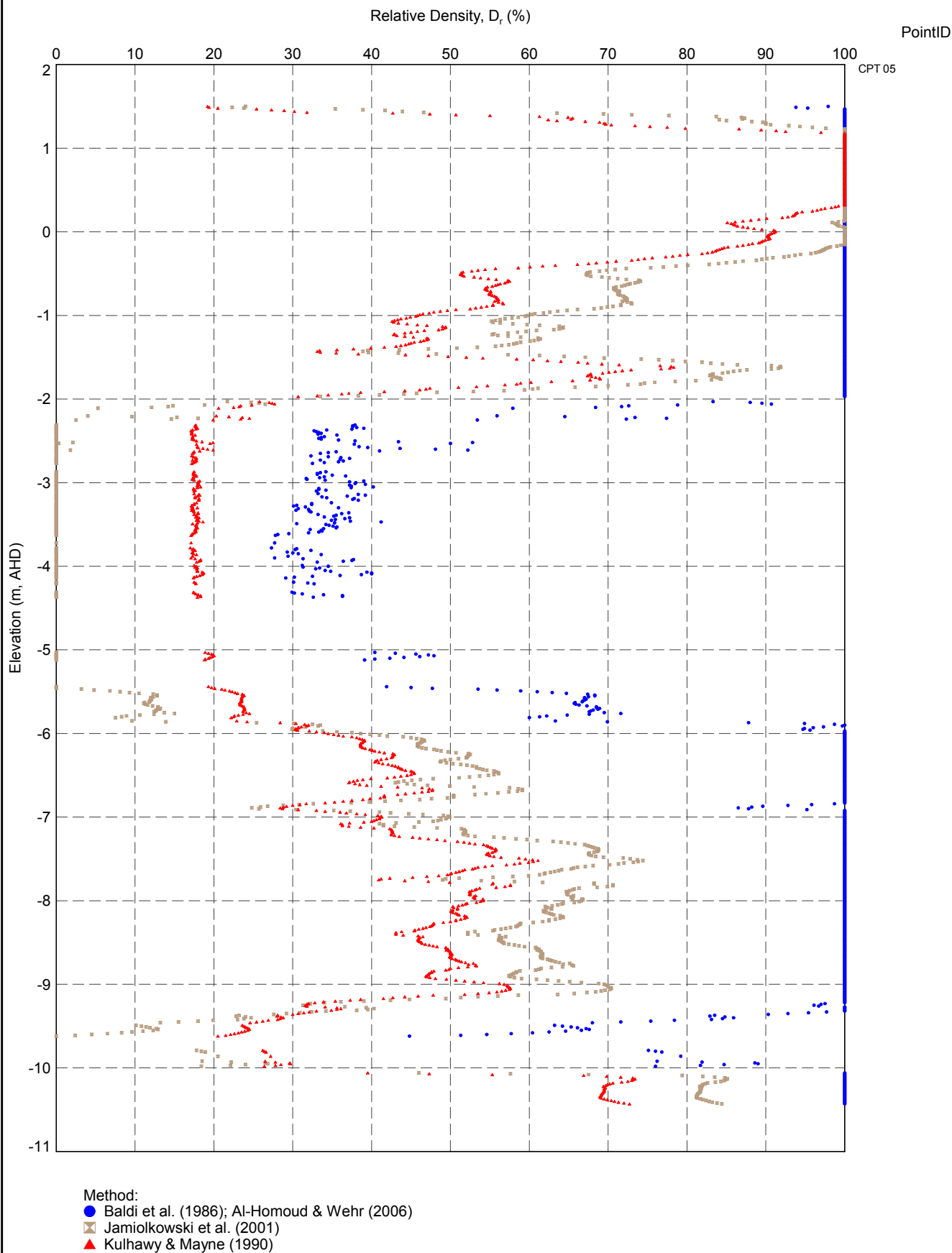


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Relative Density versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Lett
PROJECT No	2.15	FIGURE No	128

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RELATIVE DENSITY RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:24 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Relative Density versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

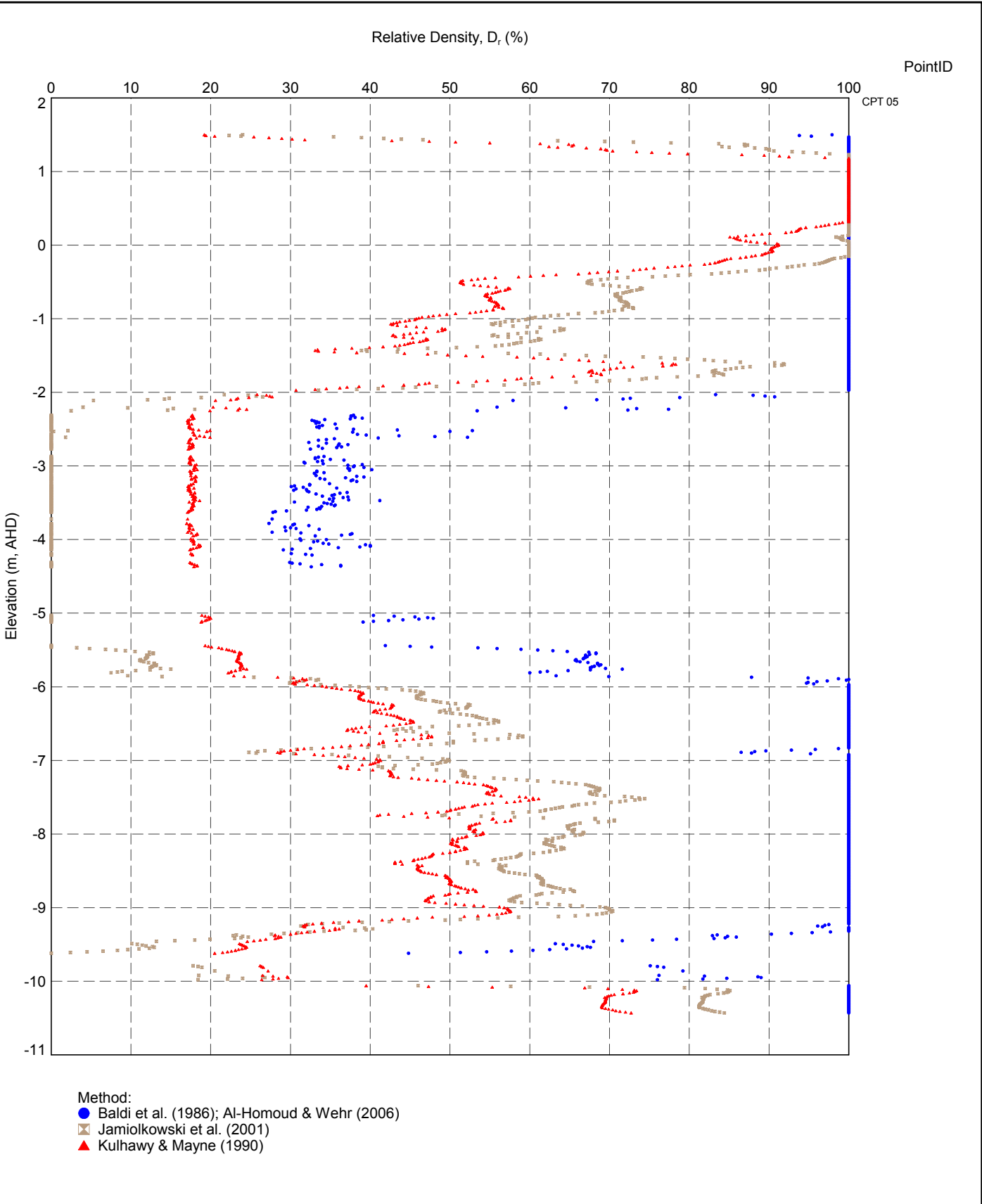
PROJECT No


2.15

FIGURE No

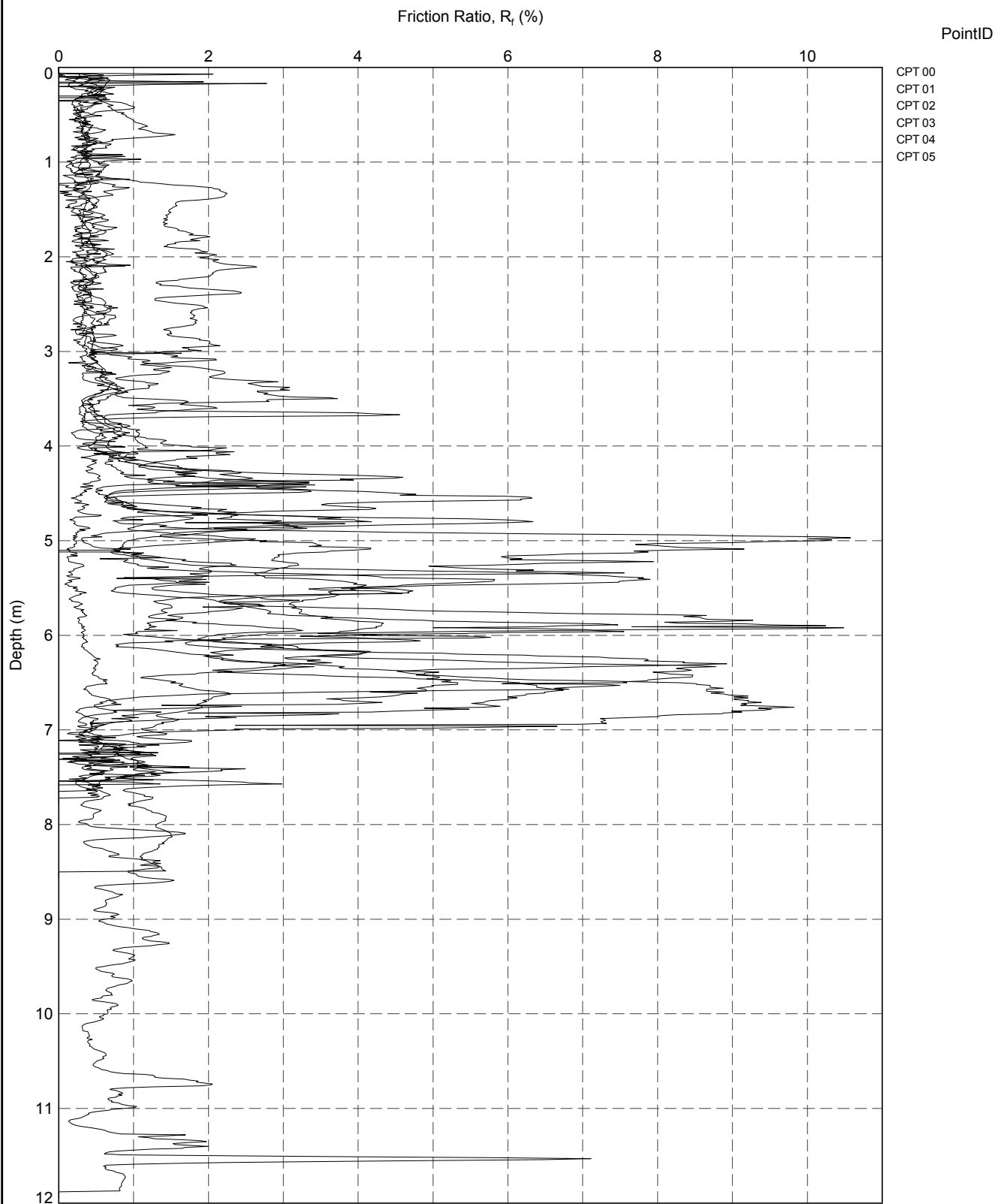
129

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RELATIVE DENSITY RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:27 8.30.002 Datgel CPT Tool gINT Add-In



 Datgel DATA SOLUTIONS Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Relative Density versus Elevation	DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	Let
		PROJECT No 2.15	FIGURE No 130

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RF VS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile>> 27/Mar/2011 15:27 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

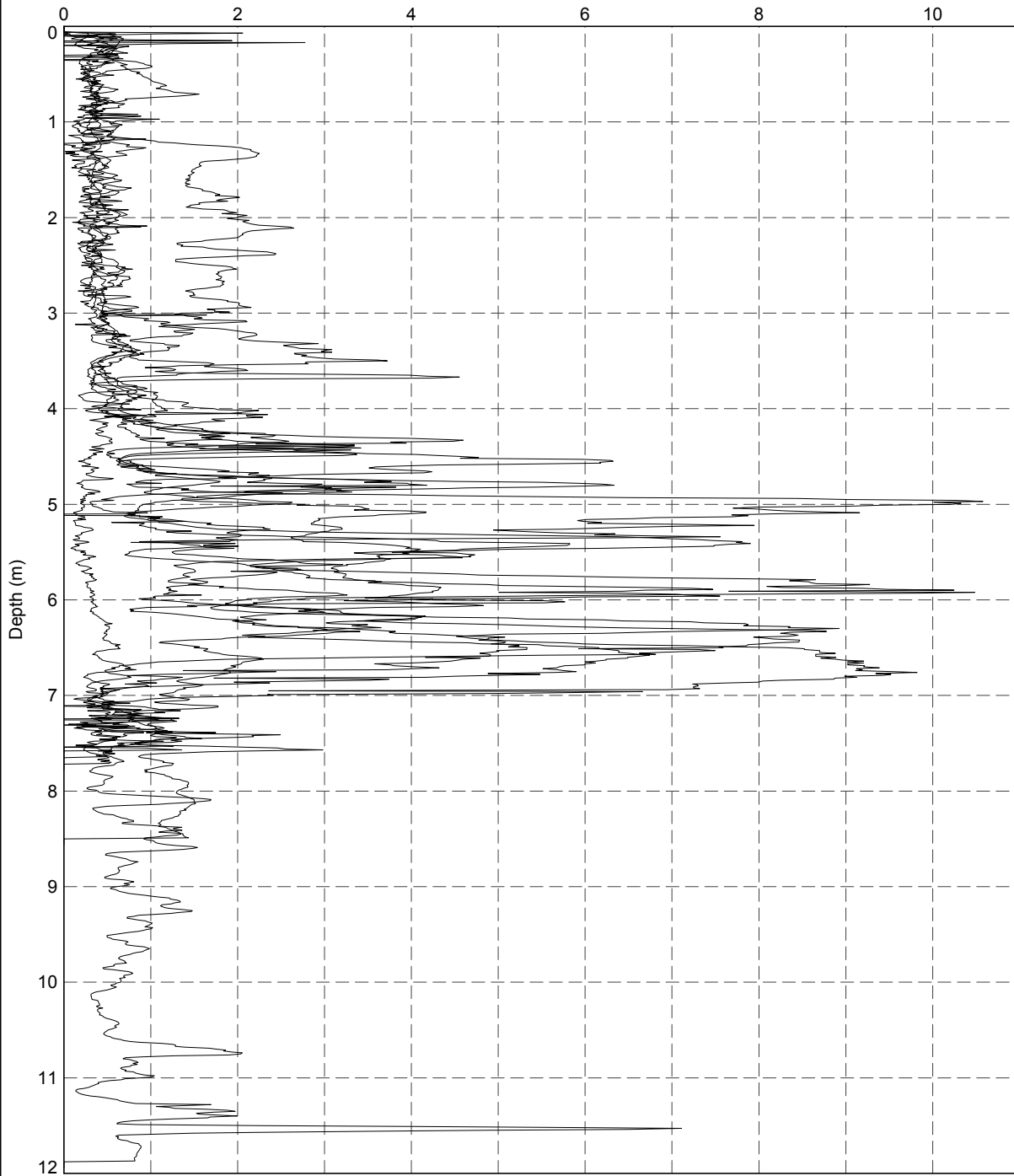
2.15

FIGURE No

131

Friction Ratio, R_f (%)

PointID



CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT RF VS DEPTH LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:28 8.30.002 Datgel CPT Tool gINT Add-in

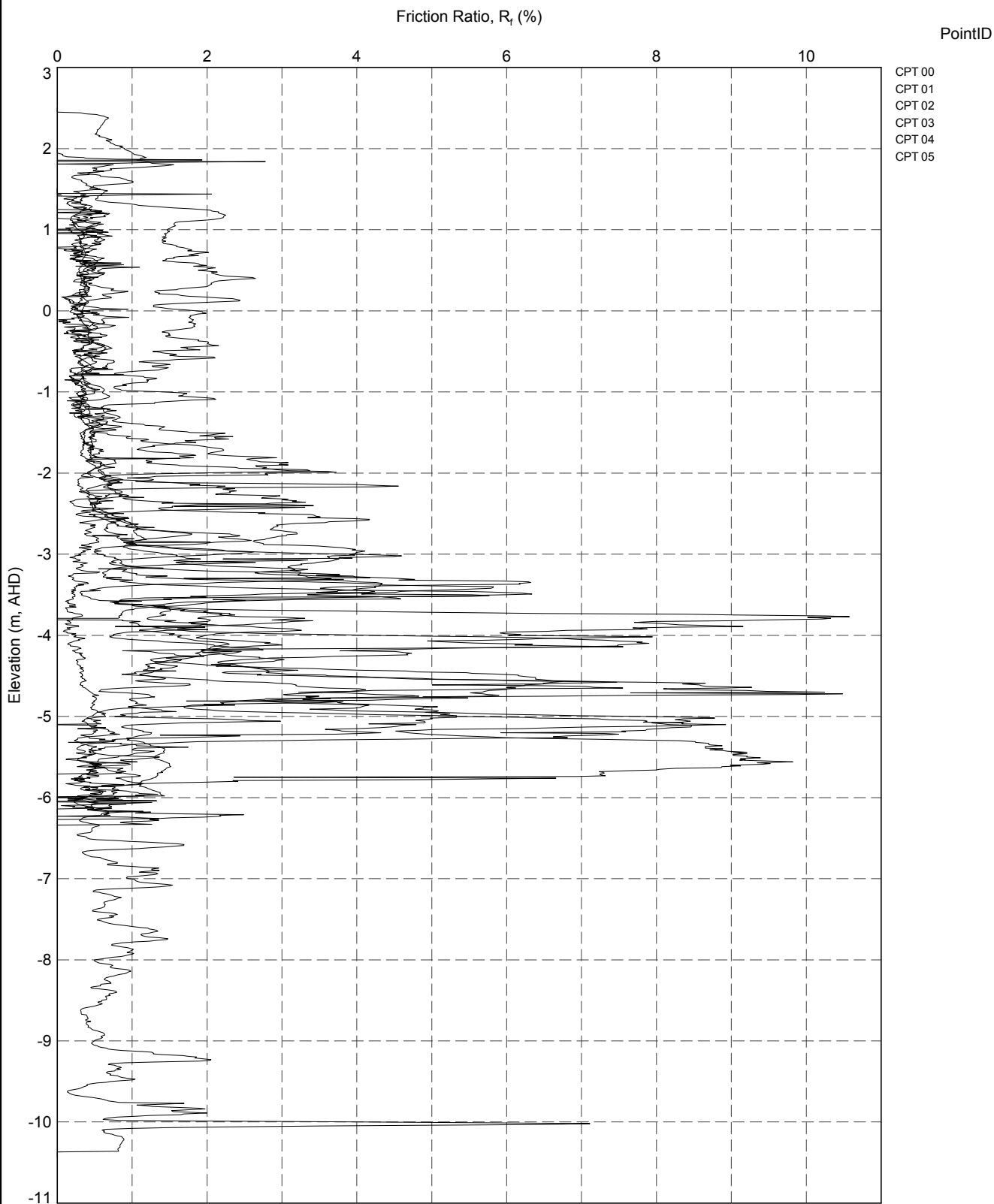


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	132

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RF VS ELEVATION A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:28 8:30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

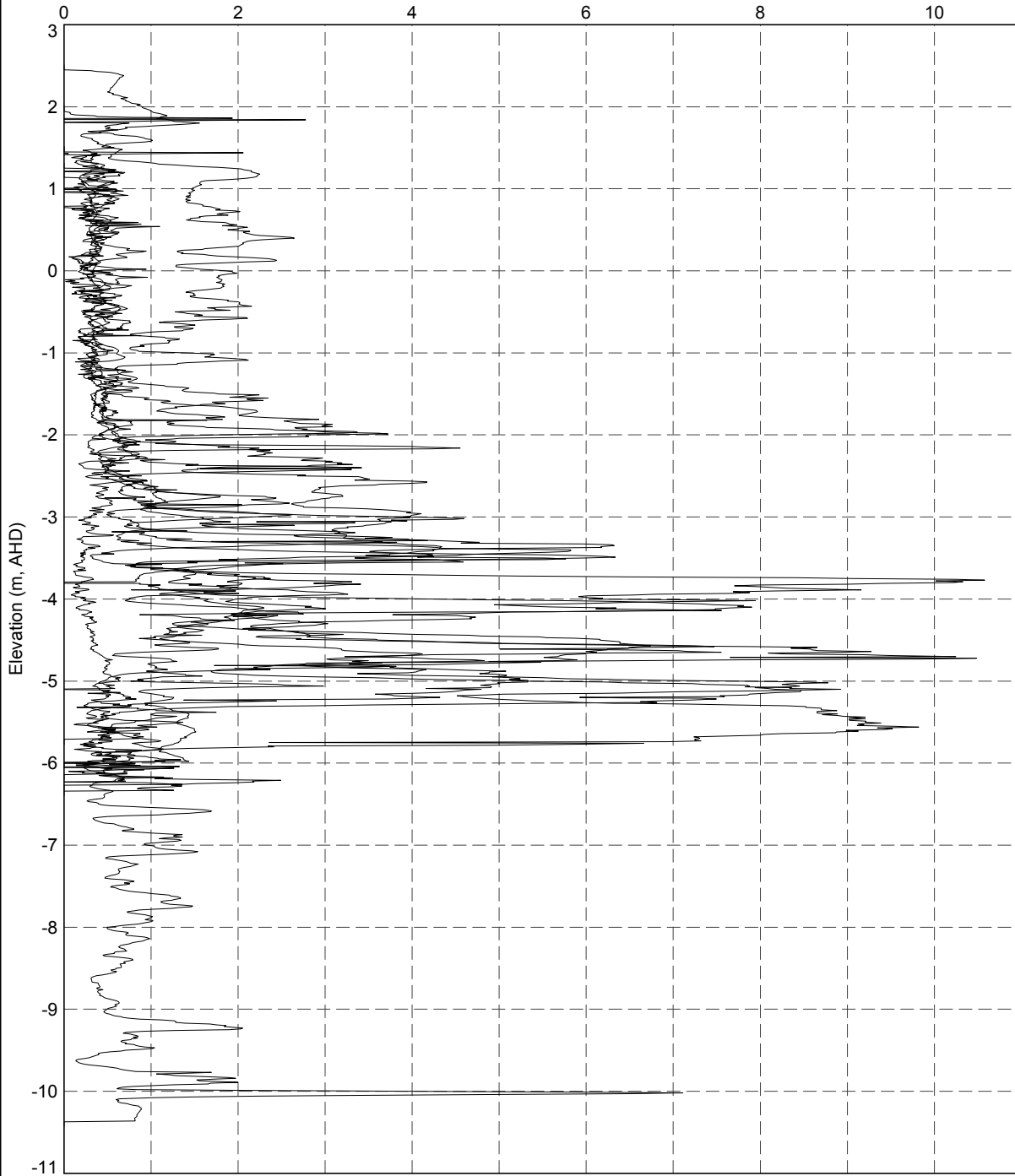
FIGURE No

133

Friction Ratio, R_f (%)

PointID

CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05



DATGEL CPT TOOL.DGD LIB 2.15.GLB Graph CPT RF VS ELEVATION LEIP DATGEL CPT TOOL.DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:28.8.30.002 Datgel CPT Tool.gINT Add-in



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

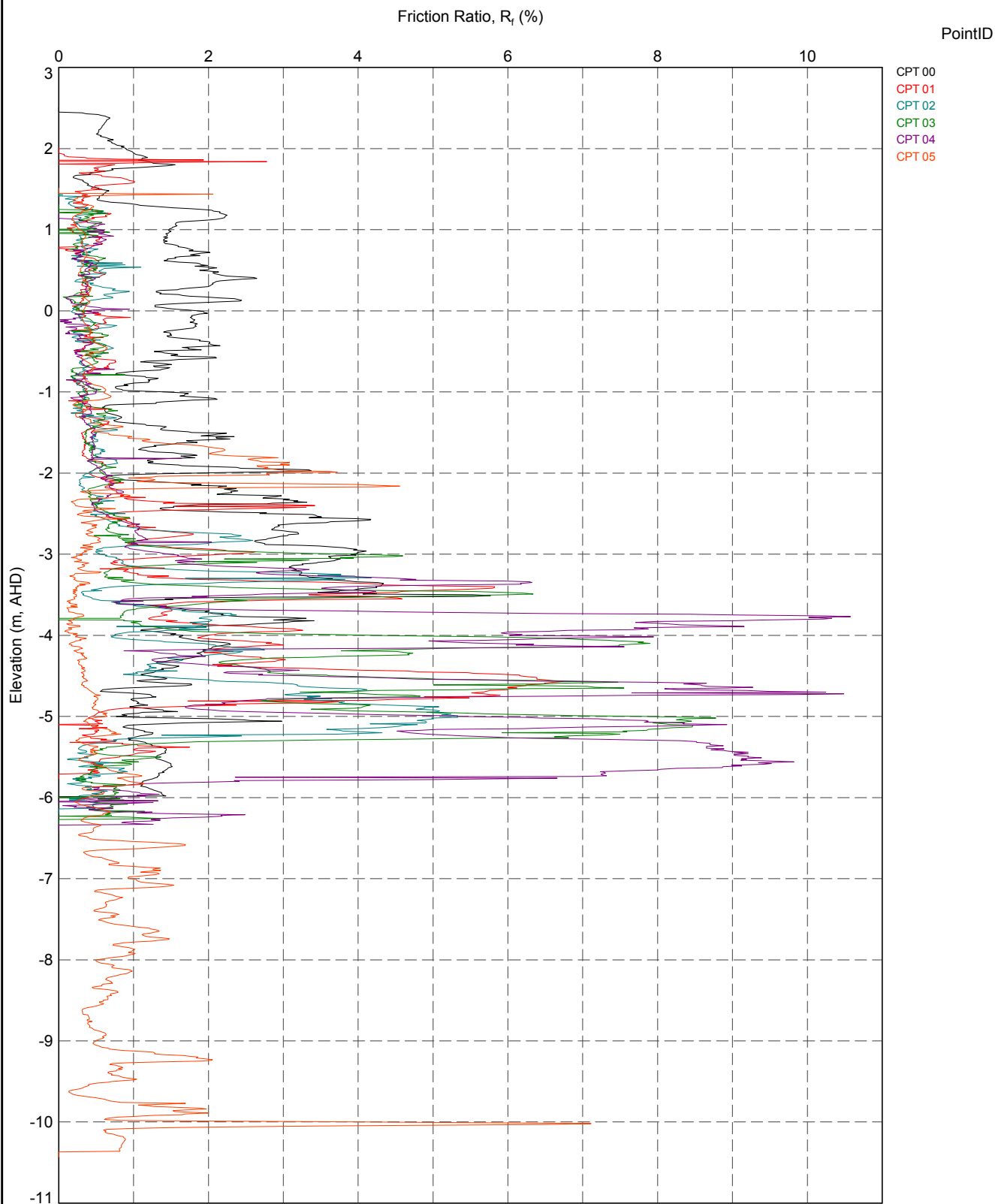
PROJECT No

2.15

FIGURE No

134

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RF VS ELEVATION COLOUR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:29 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

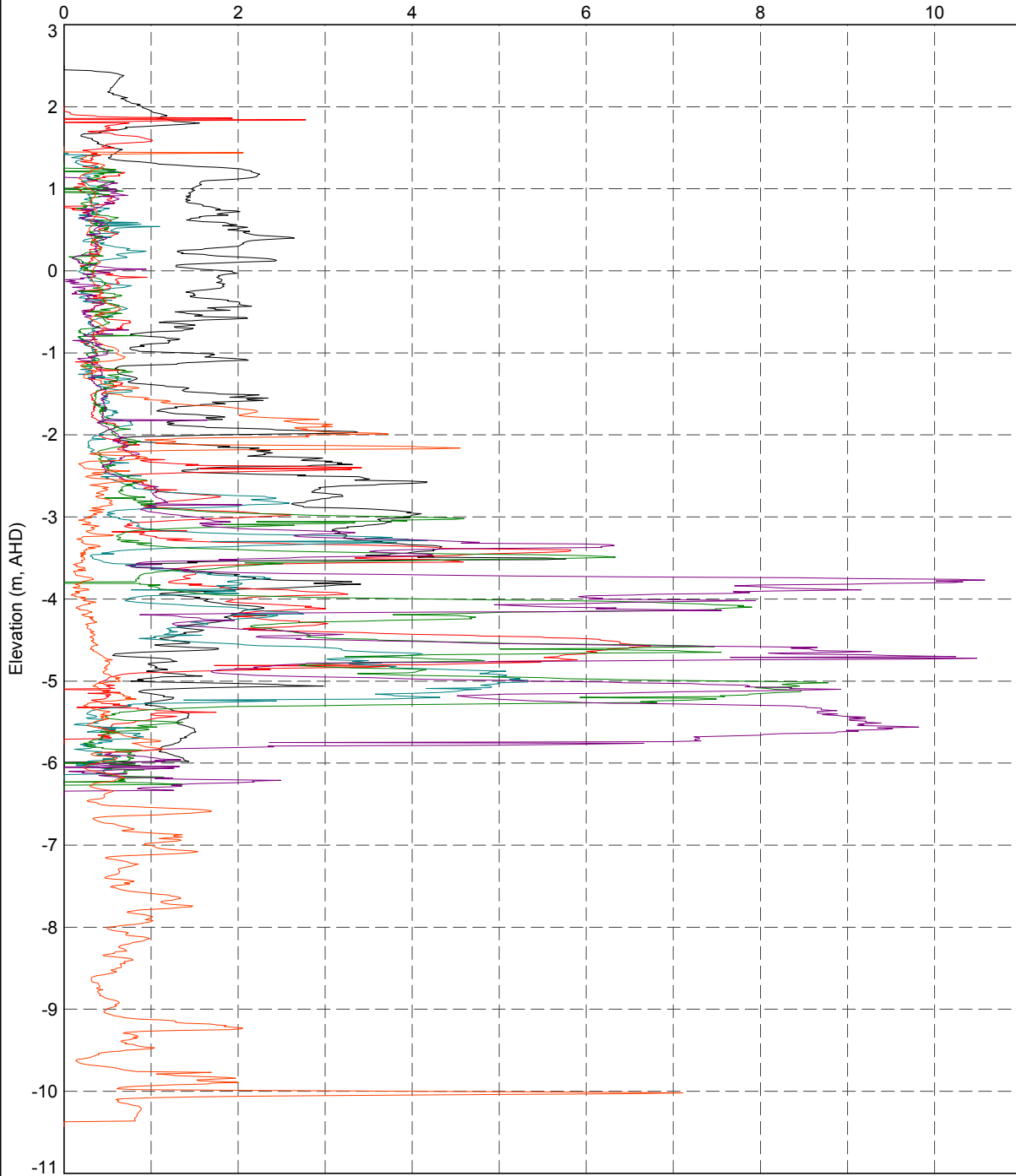
FIGURE No

135

Friction Ratio, R_f (%)

PointID

CPT 00
CPT 01
CPT 02
CPT 03
CPT 04
CPT 05



DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT RF VS ELEVATION COLOUR LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:29 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Friction Ratio versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

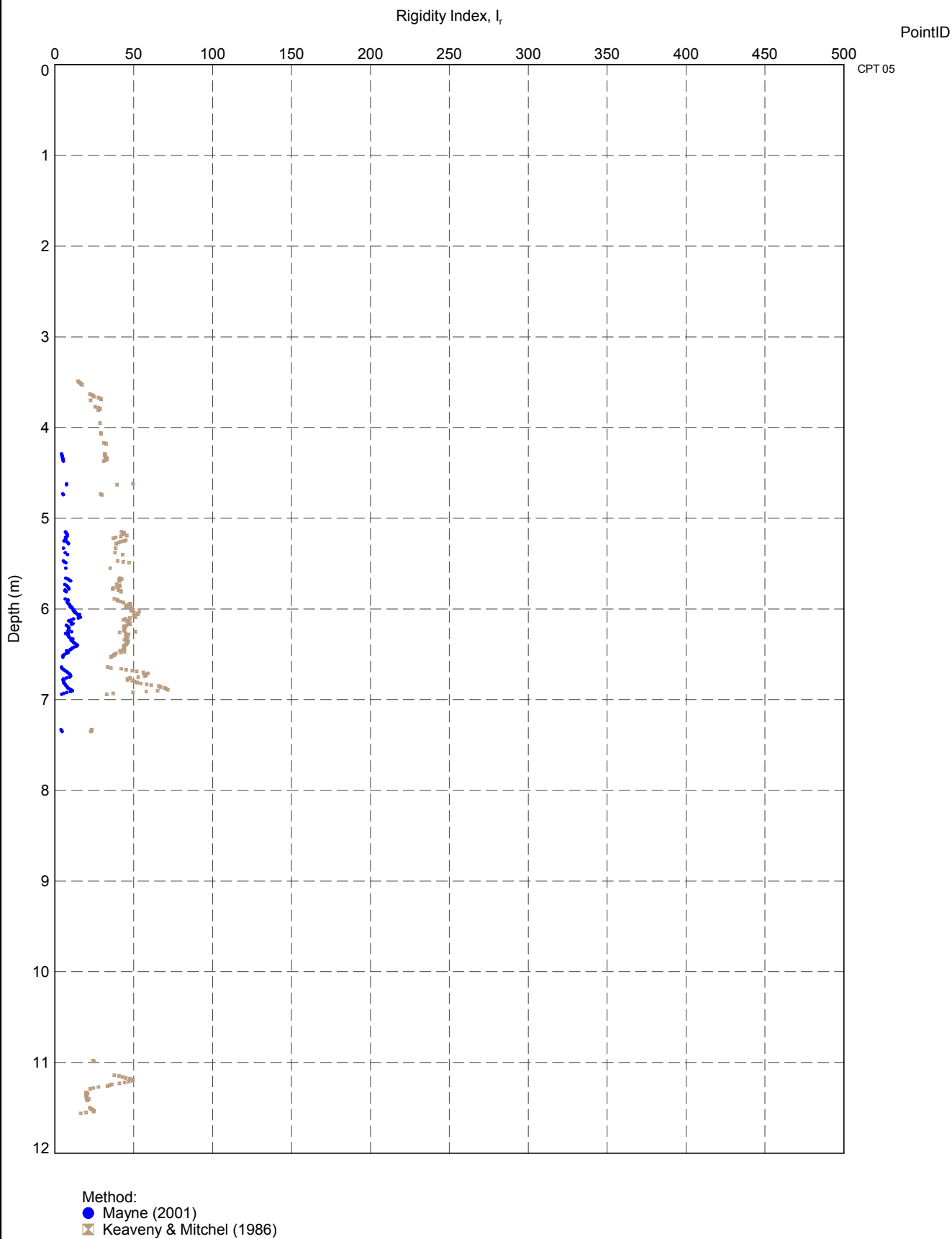
PROJECT No

2.15

FIGURE No

136

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RIGIDITY INDEX DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:31 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Rigidity Index versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

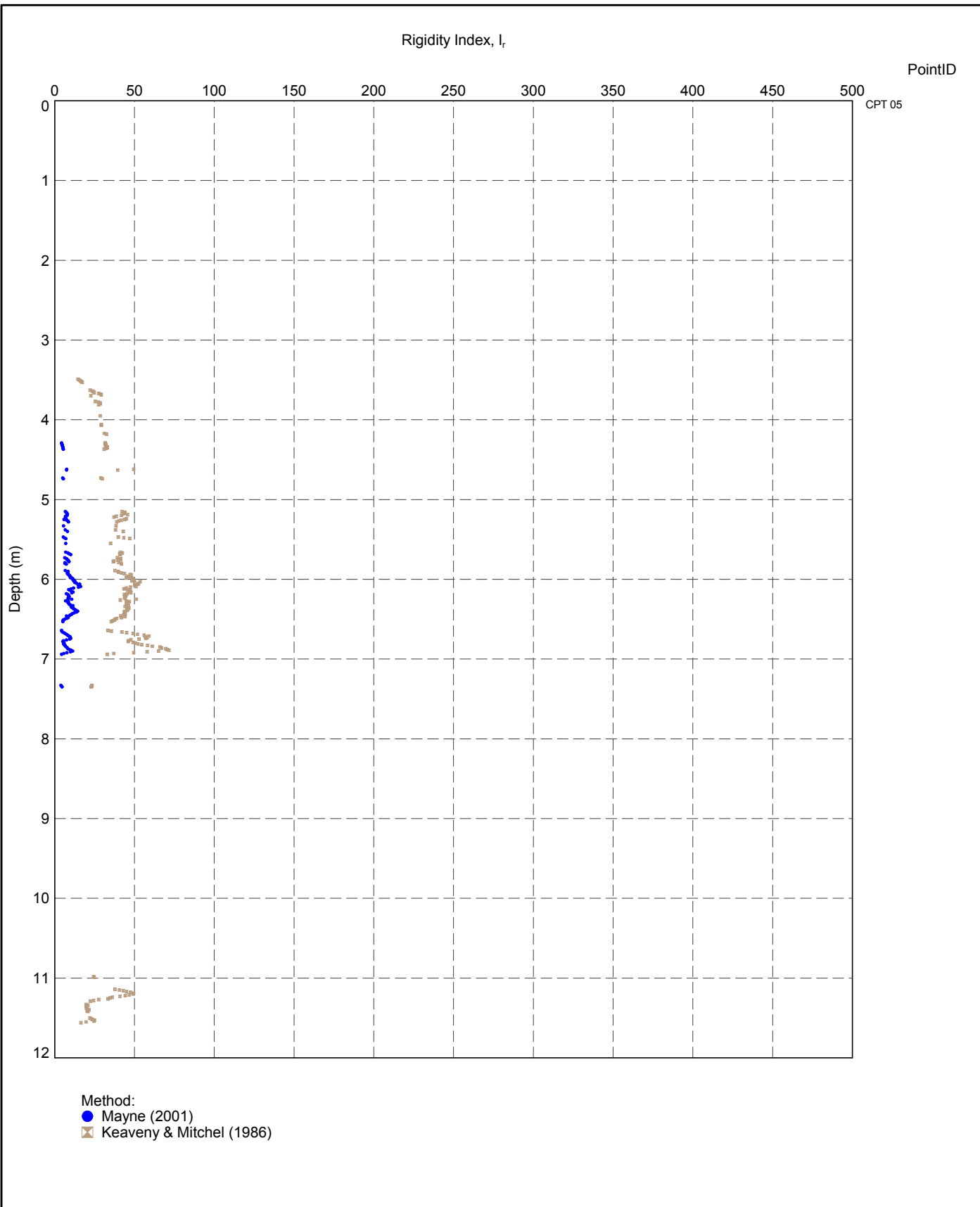
PROJECT No

2.15

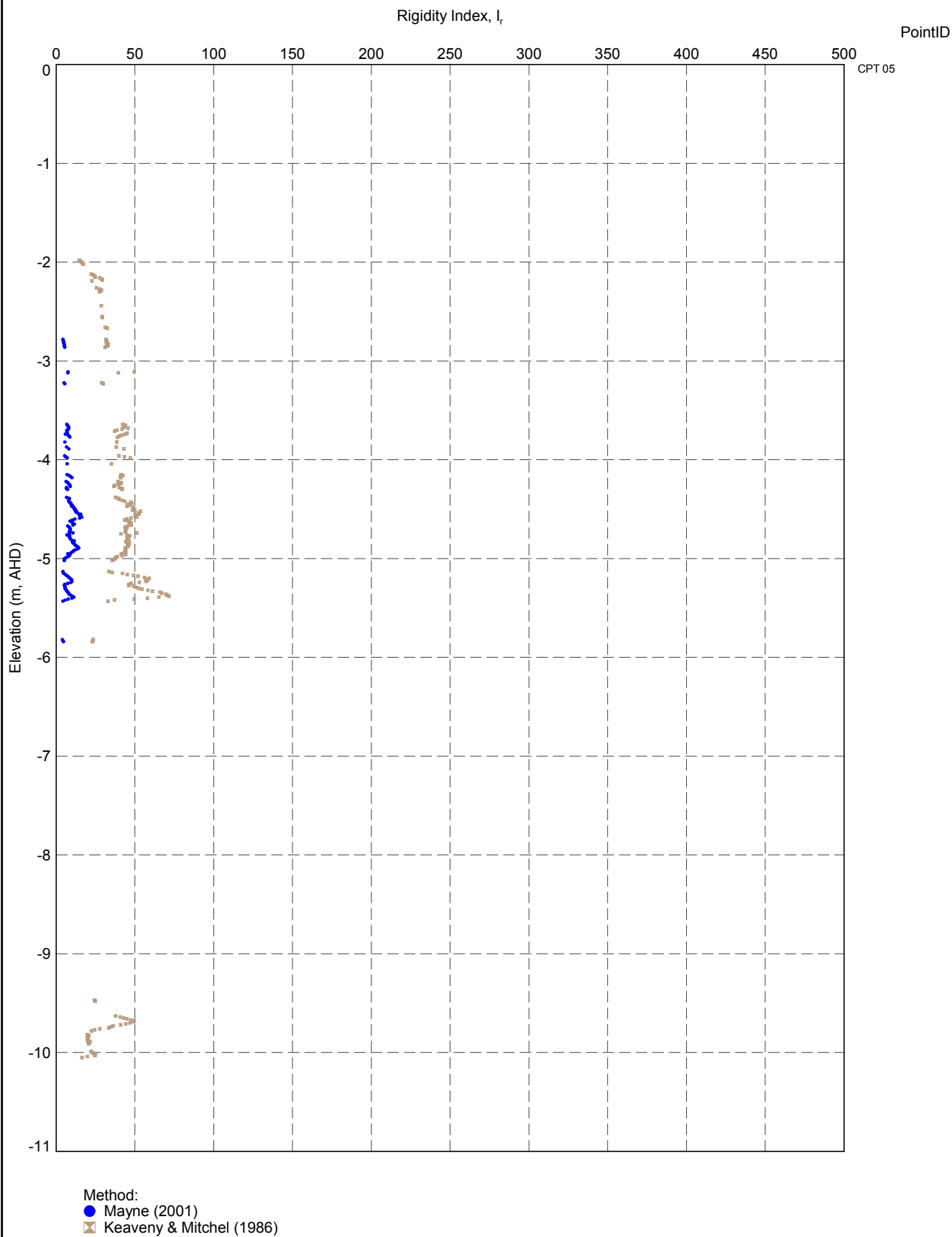
FIGURE No

137

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT RIGIDITY INDEX DEPTH LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:33:8.30.002 Datgel CPT Tool gINT Add-in



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT RIGIDITY INDEX RL_A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:35 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Rigidity Index versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

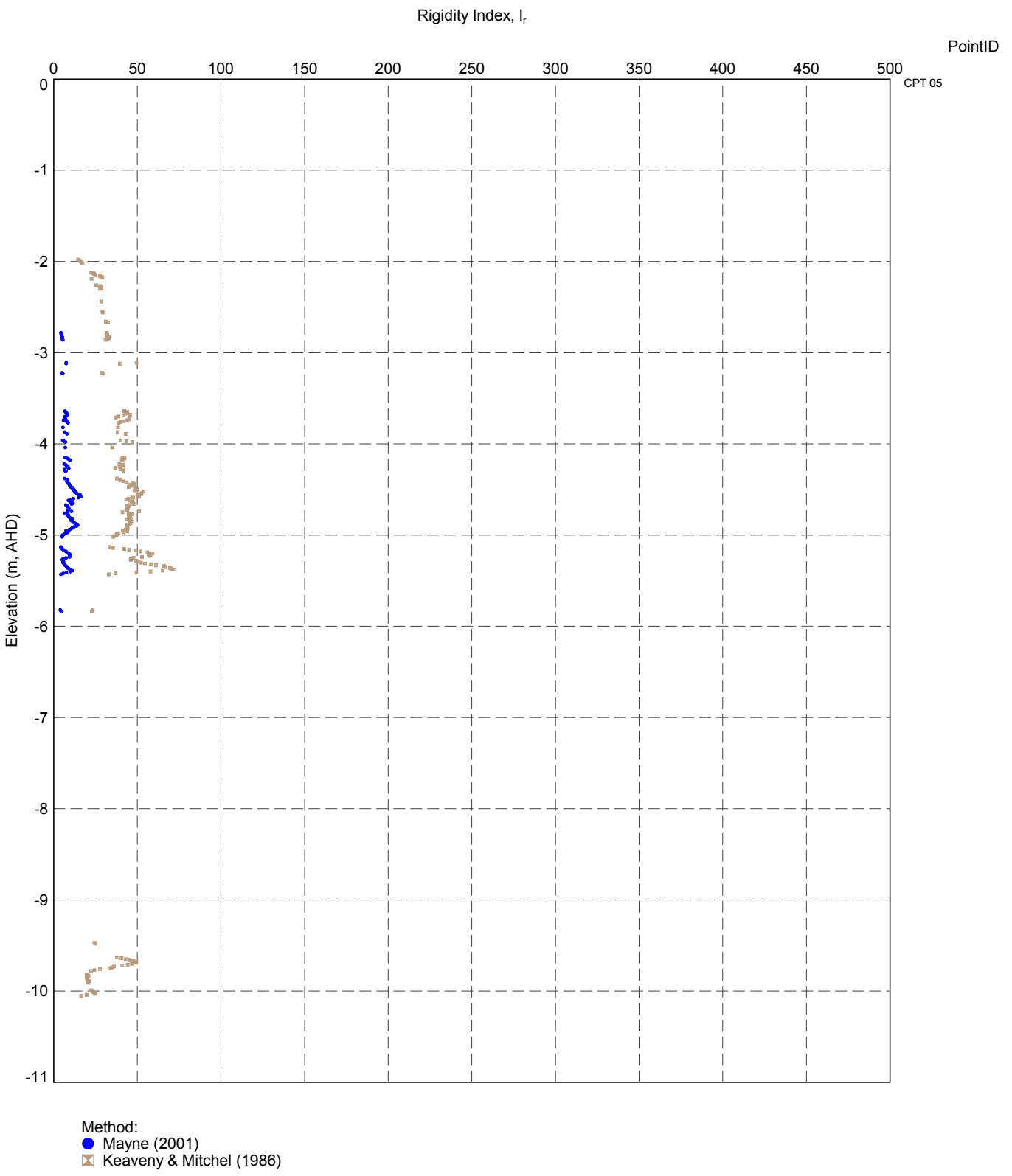
PROJECT No

2.15

FIGURE No

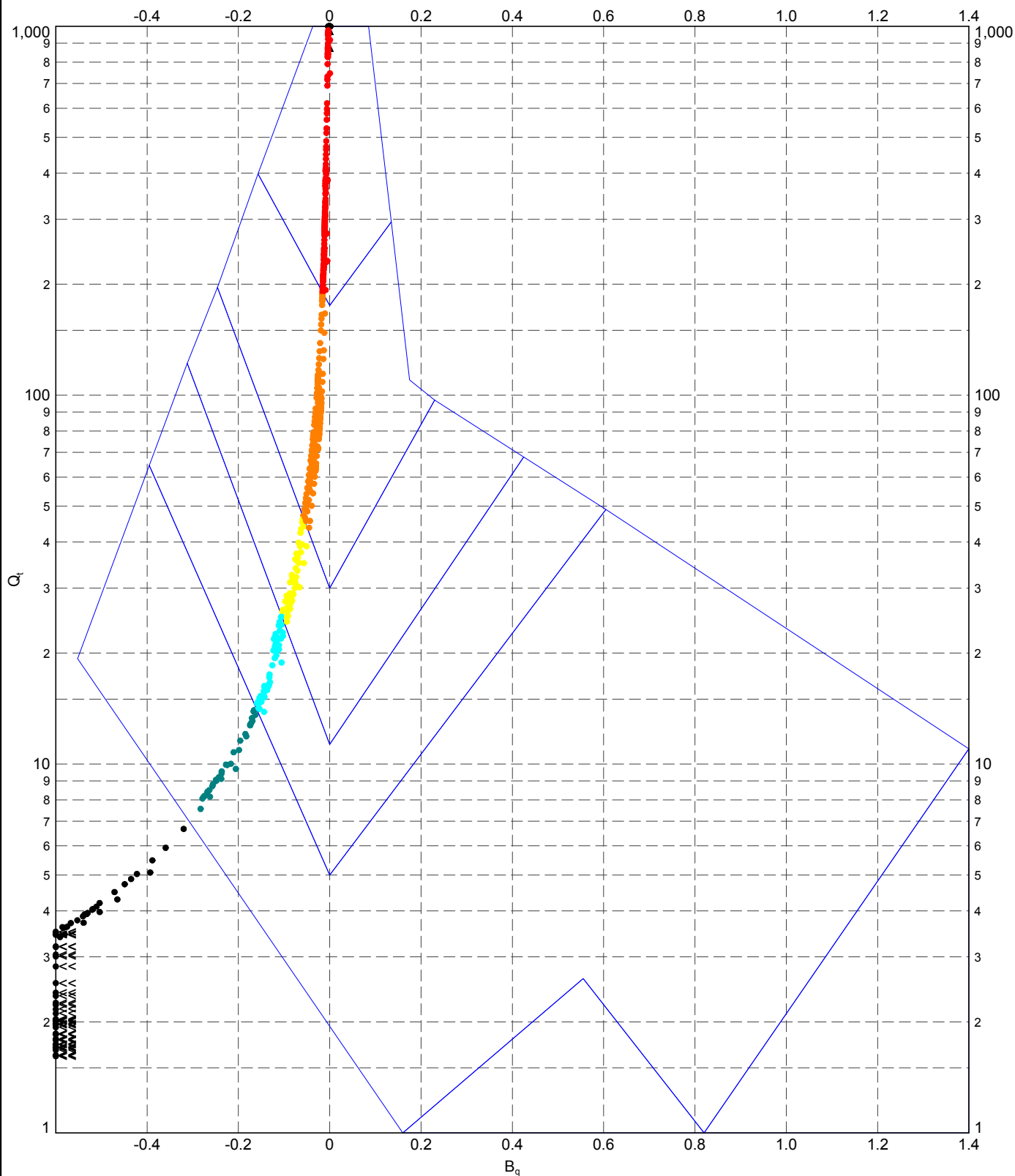
139

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT RIGIDITY INDEX RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 15:37 8.30.002 Datgel CPT Tool gINT Add-In



TITLE	CPT Client		DRAWN	PMW	DATE	27/03/2011
	ABC Engineering		CHECKED	PMW	DATE	27/03/2011
	Somewhere		SCALE			Not To Scale
	CPT Tool Project		PROJECT No			2.15
Rigidity Index versus Elevation		FIGURE No			140	
					Let	

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT VS. BQ A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:37 8 30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



Geotechnics • Geoenvironment • Laboratory

TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. B_q - CPT 02

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

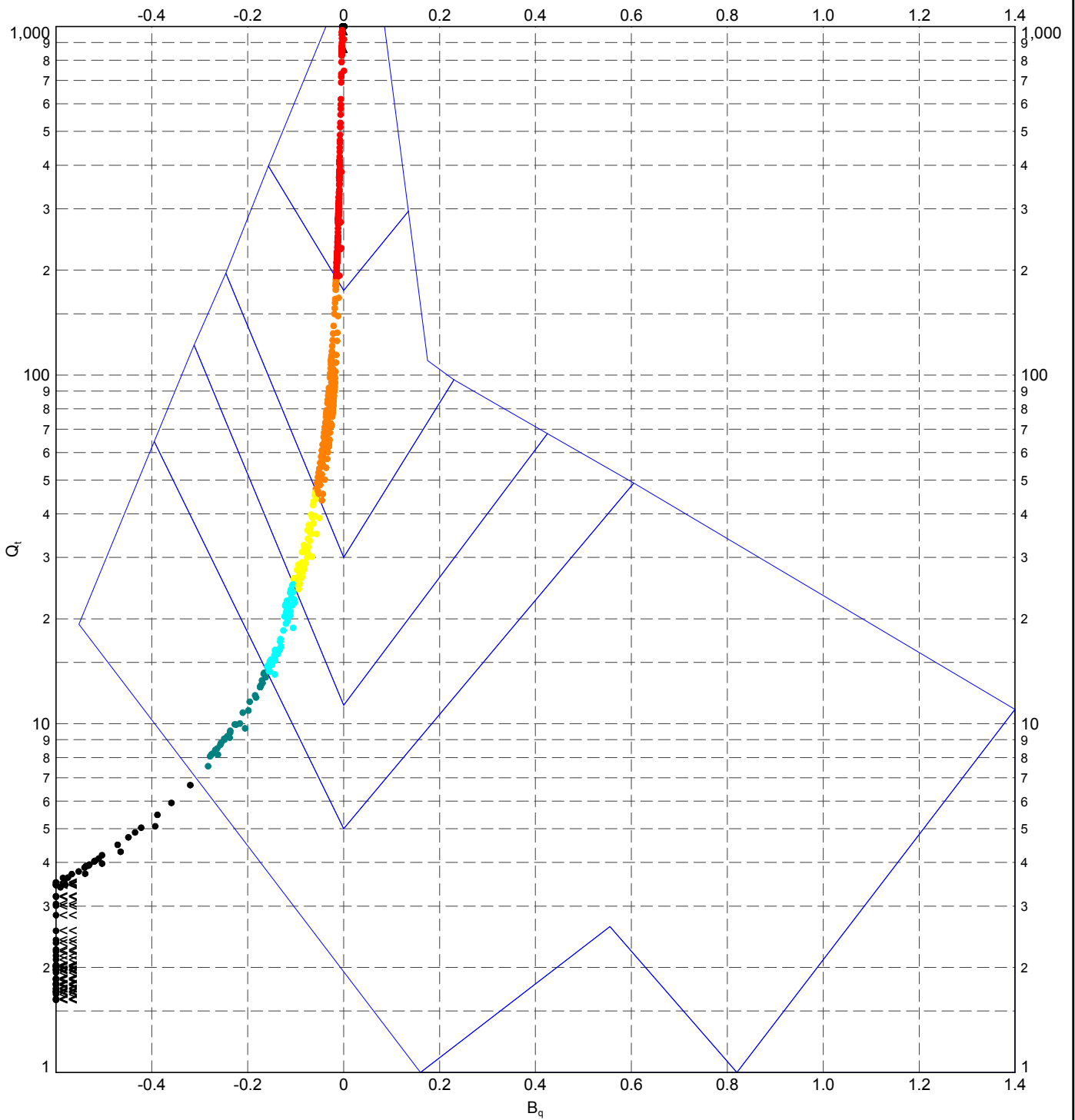
PROJECT No

2.15

FIGURE No

141

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT VS. BQ LETP DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFile>> 27/Mar/2011 15:38 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |

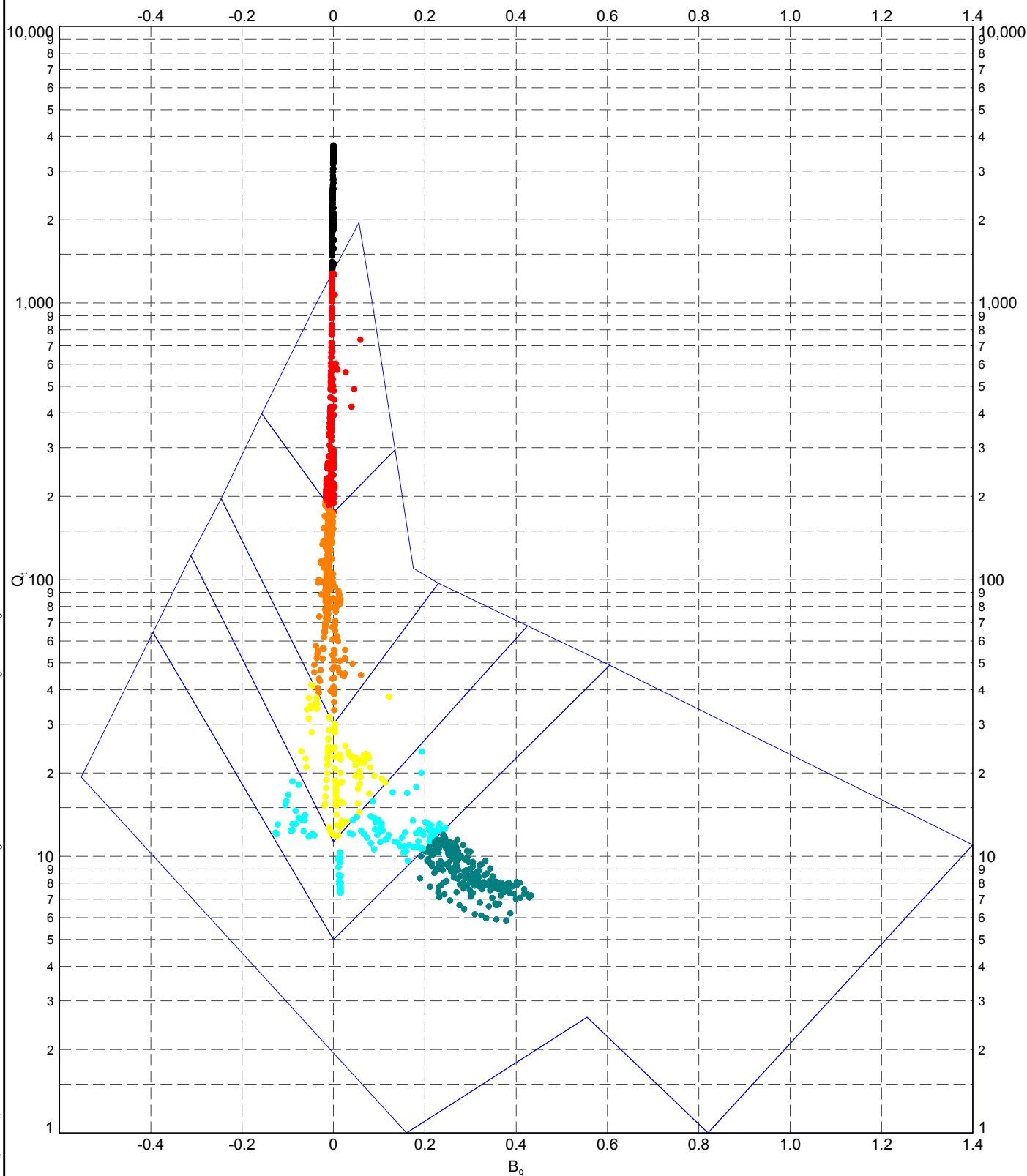


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. B_q - CPT 02

DRAWN	PMW	DATE	27/03/2011
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SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	142

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT vs. BQ EXTRAP A4P DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile>> 27/Mar/2011 15:38 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrap. Q_t vs. B_q - CPT 05

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27/03/2011

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A4

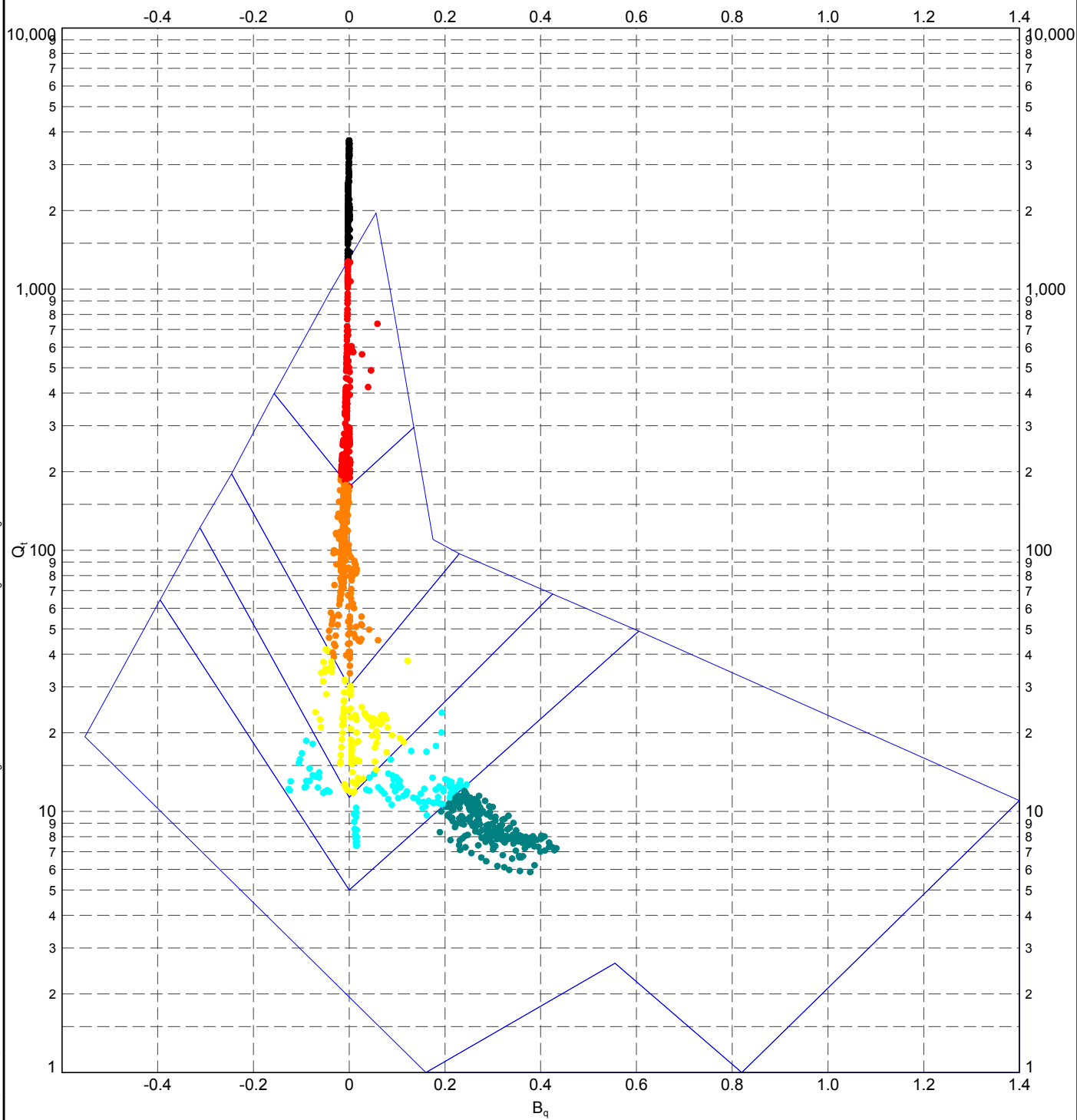
PROJECT No

2.15

FIGURE No

143

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON 90 QT VS. BQ EXTRAP LETIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:39 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrap. Q_1 vs. B_q - CPT 05

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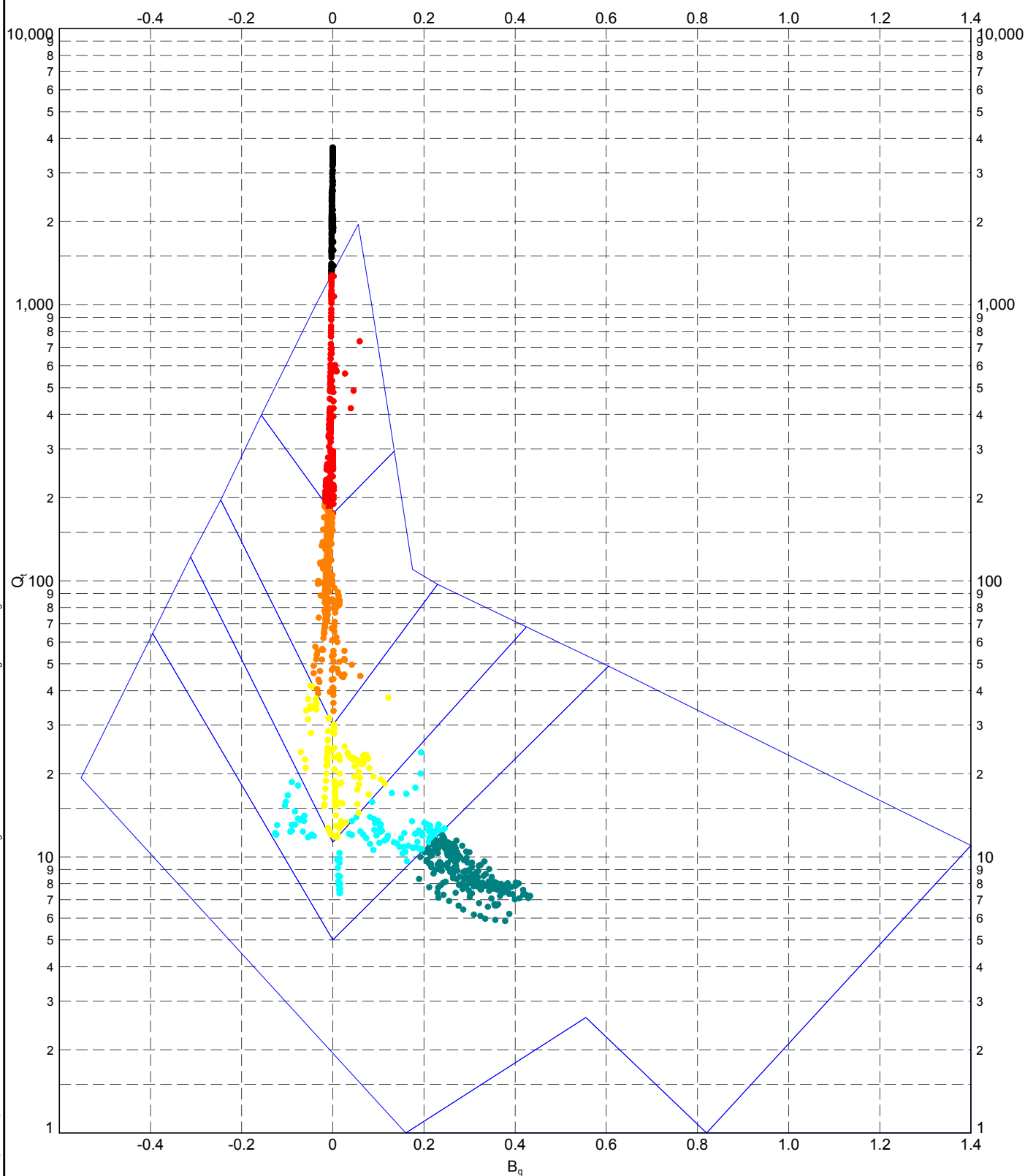
PROJECT No

2.15

FIGURE No

144

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT vs. Bq EXTRAP M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:39 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrapolation. Q_t vs. B_q

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A4

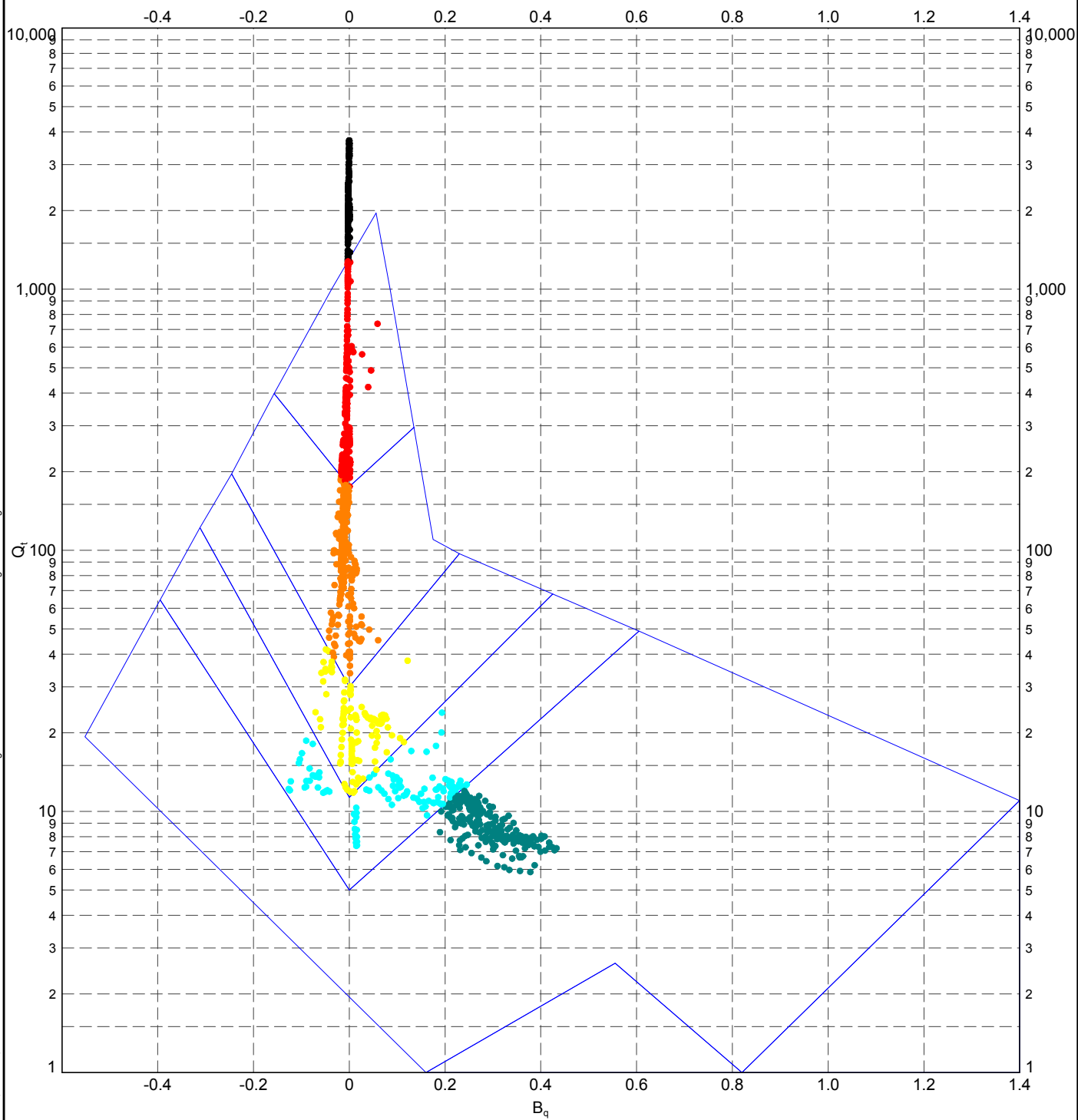
PROJECT No

2.15

FIGURE No

145

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON 90 QT VS. BQ EXTRAP M LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:40 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrap. Q_t vs. B_q

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SCALE

Not To Scale

Let

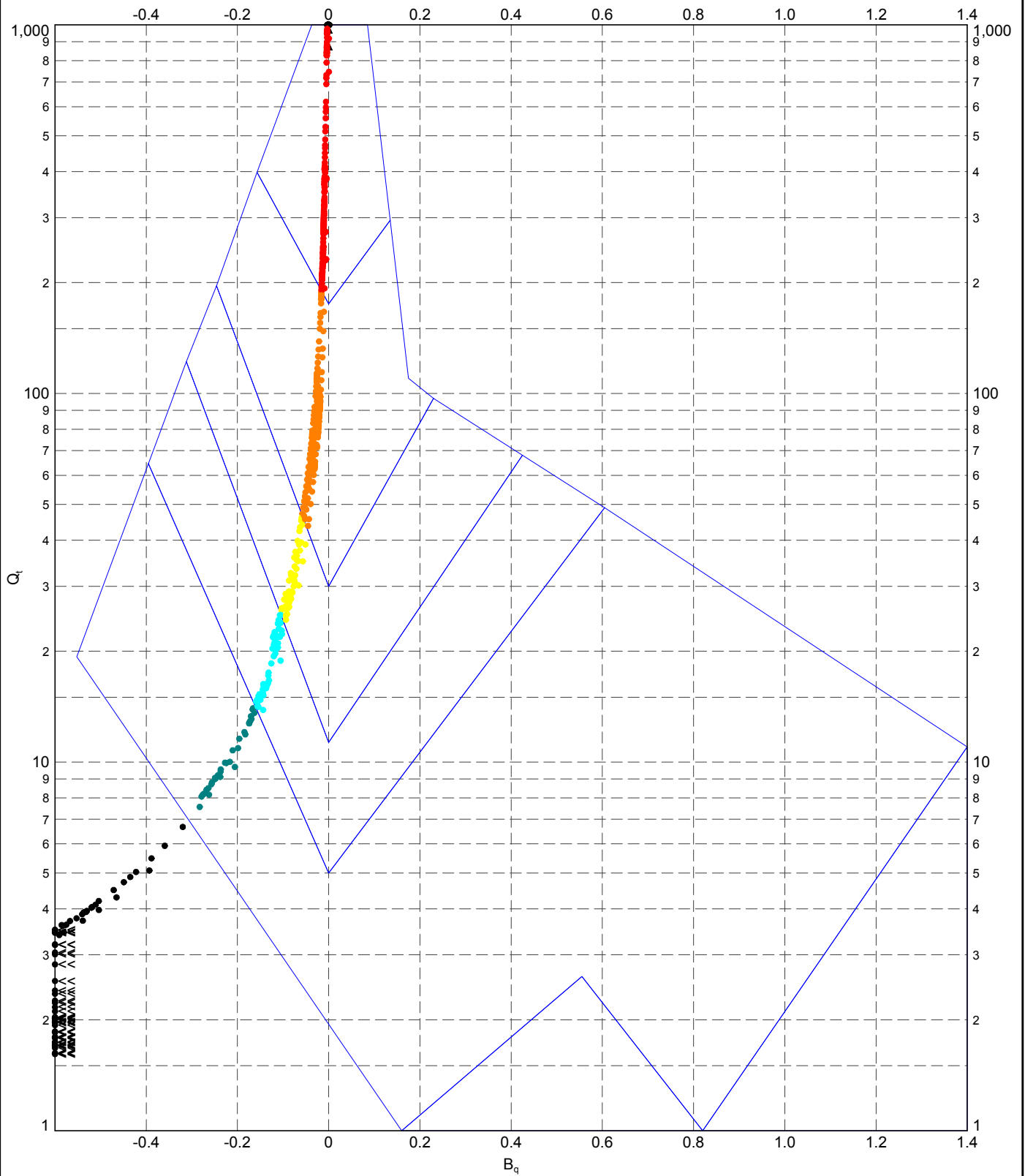
PROJECT No

2.15

FIGURE No

146

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT VS. BQ M4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:40 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. B_q

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27/03/2011

SCALE

Not To Scale

A4

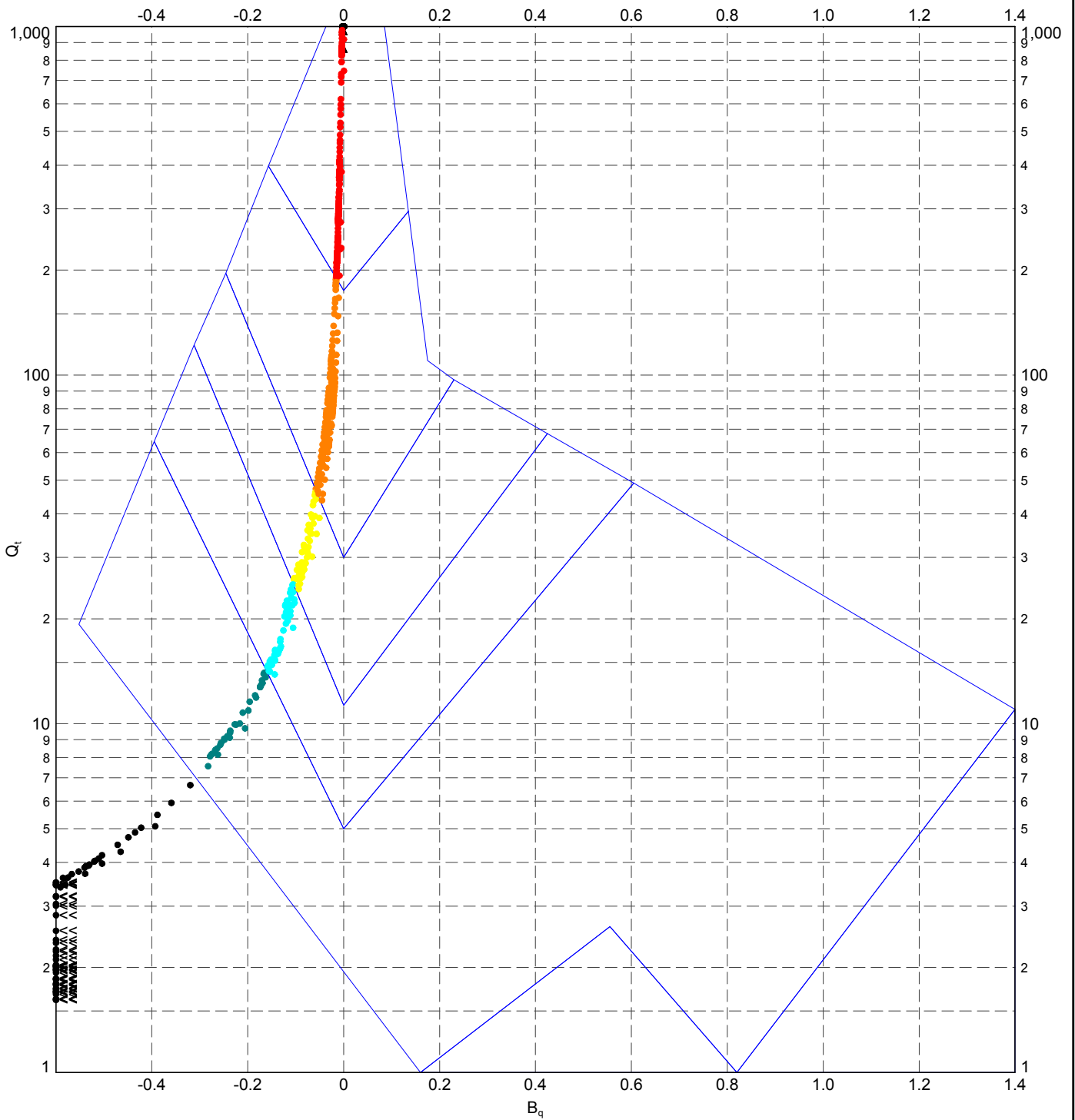
PROJECT No

2.15

FIGURE No

147

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT VS. BQ MLETP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile>> 27/Mar/2011 15:41 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. B_q

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Not To Scale

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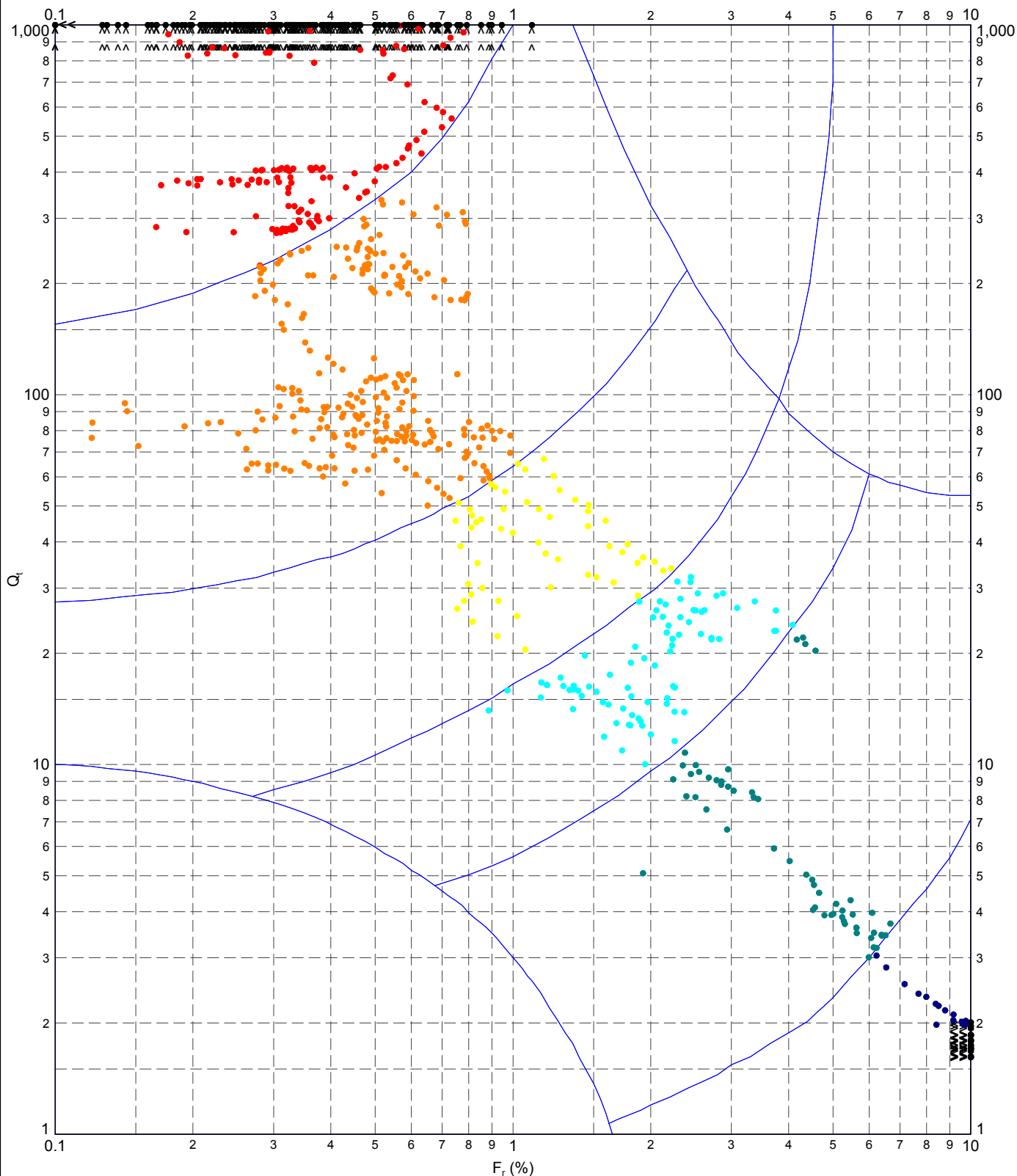
PROJECT No

2.15

FIGURE No

148

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT vs. FR A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:41 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. F_r - CPT 02

DRAWN

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27/03/2011

SCALE

Not To Scale

A4

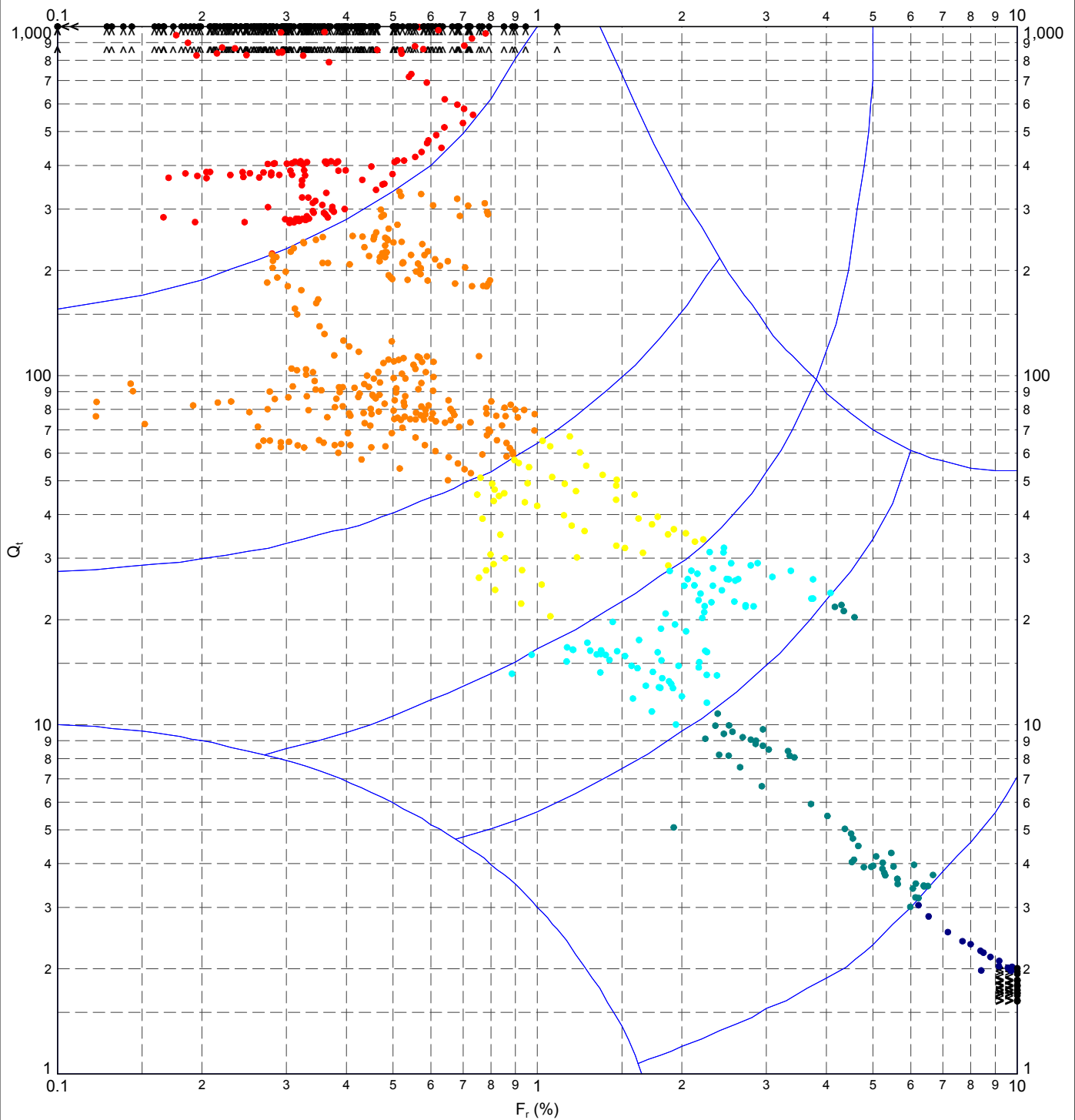
PROJECT No

2.15

FIGURE No

149

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT ROBERTSON 90 QT VS. FR LETP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile>> 27/Mar/2011 15:41 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Robertson 1990 Q_t vs. F_r - CPT 02

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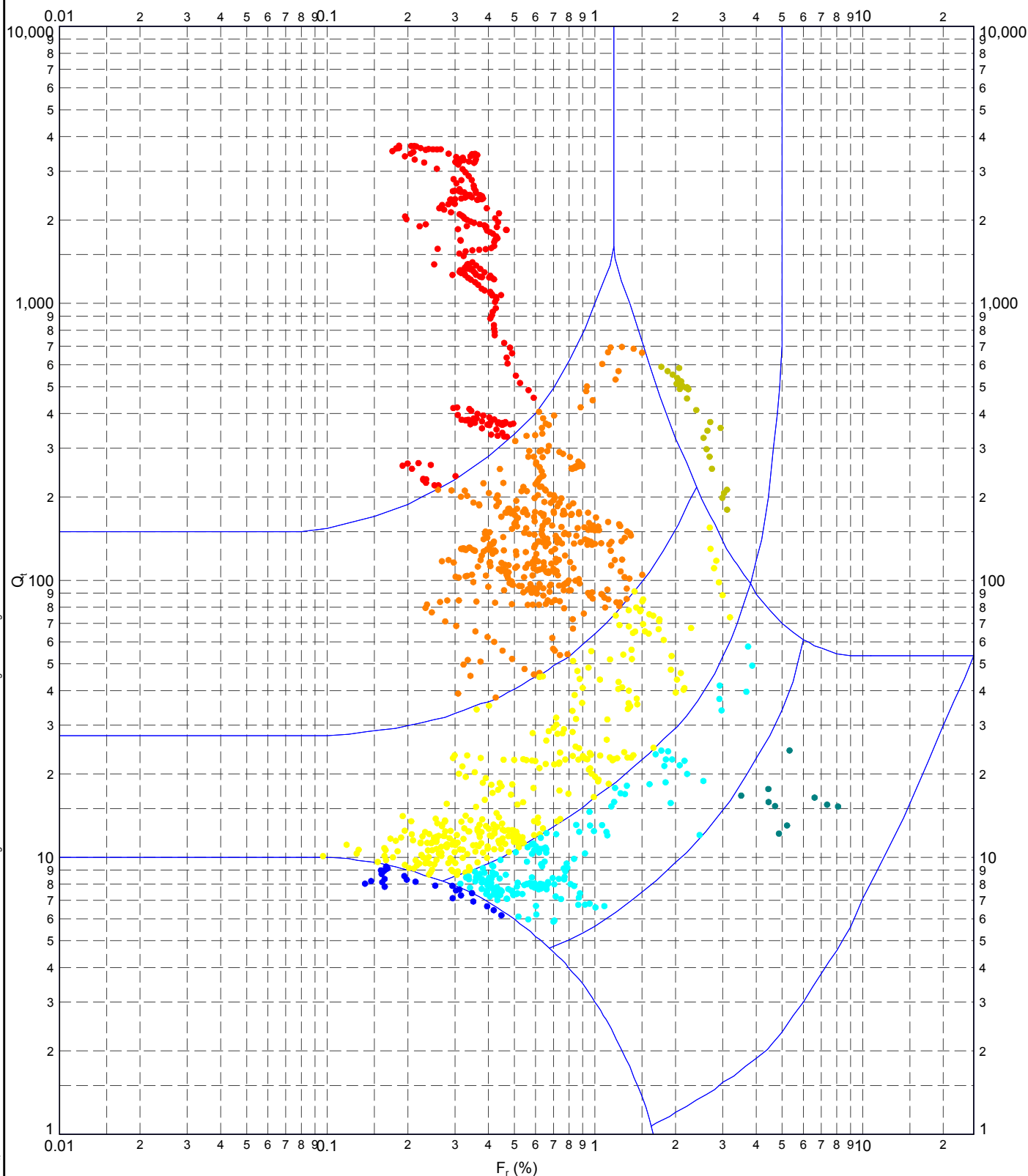
PROJECT No

2.15

FIGURE No

150

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT vs. FR EXTRAP A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:42 830.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Robertson 1990 Extrap. Q_t vs. F_r - CPT 05

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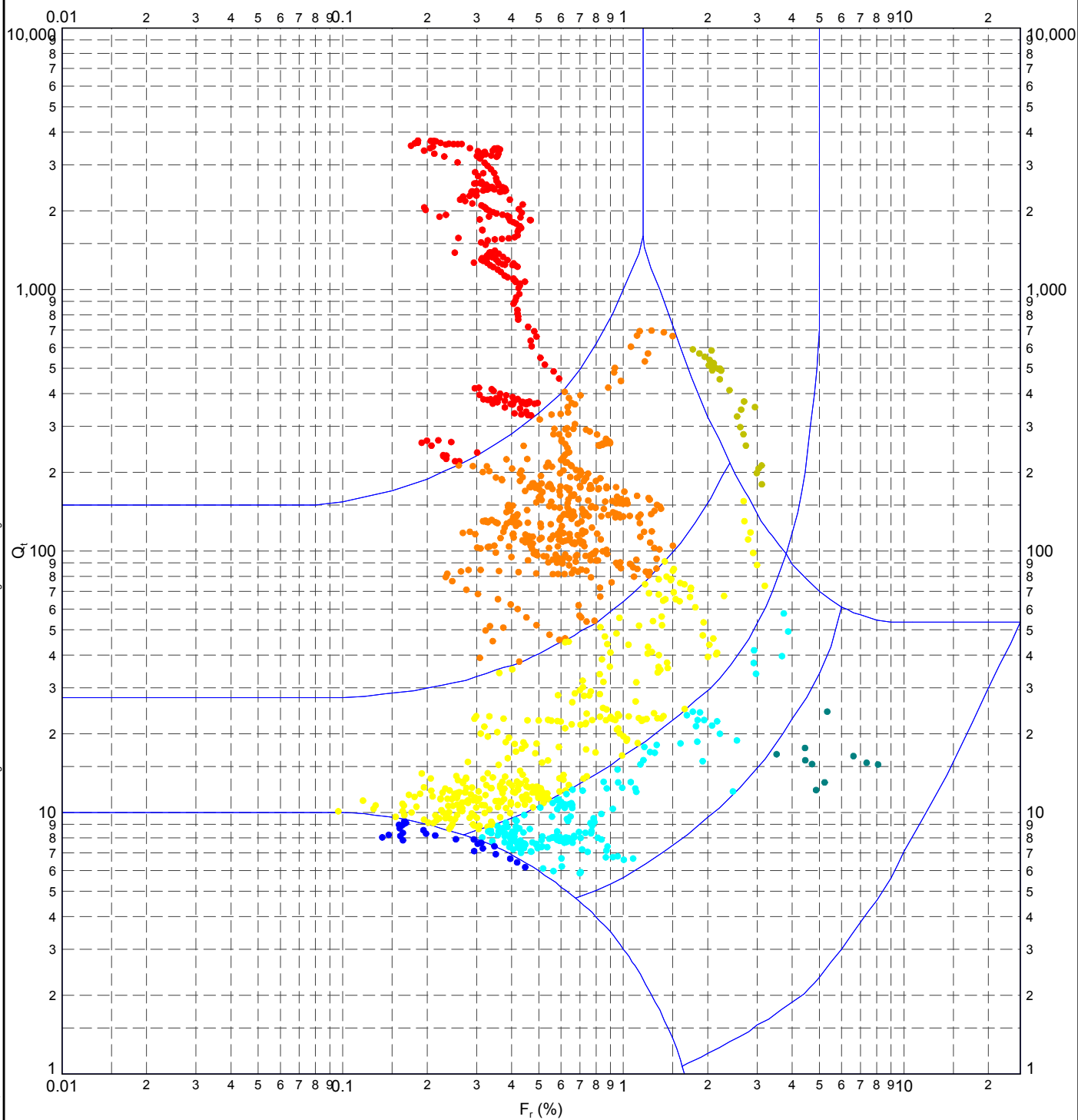
PROJECT No

2.15

FIGURE No

151

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON 90 QT VS. FR EXTRAP LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:43:8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrap. Q_t vs. F_r - CPT 05

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SCALE

Not To Scale

Let

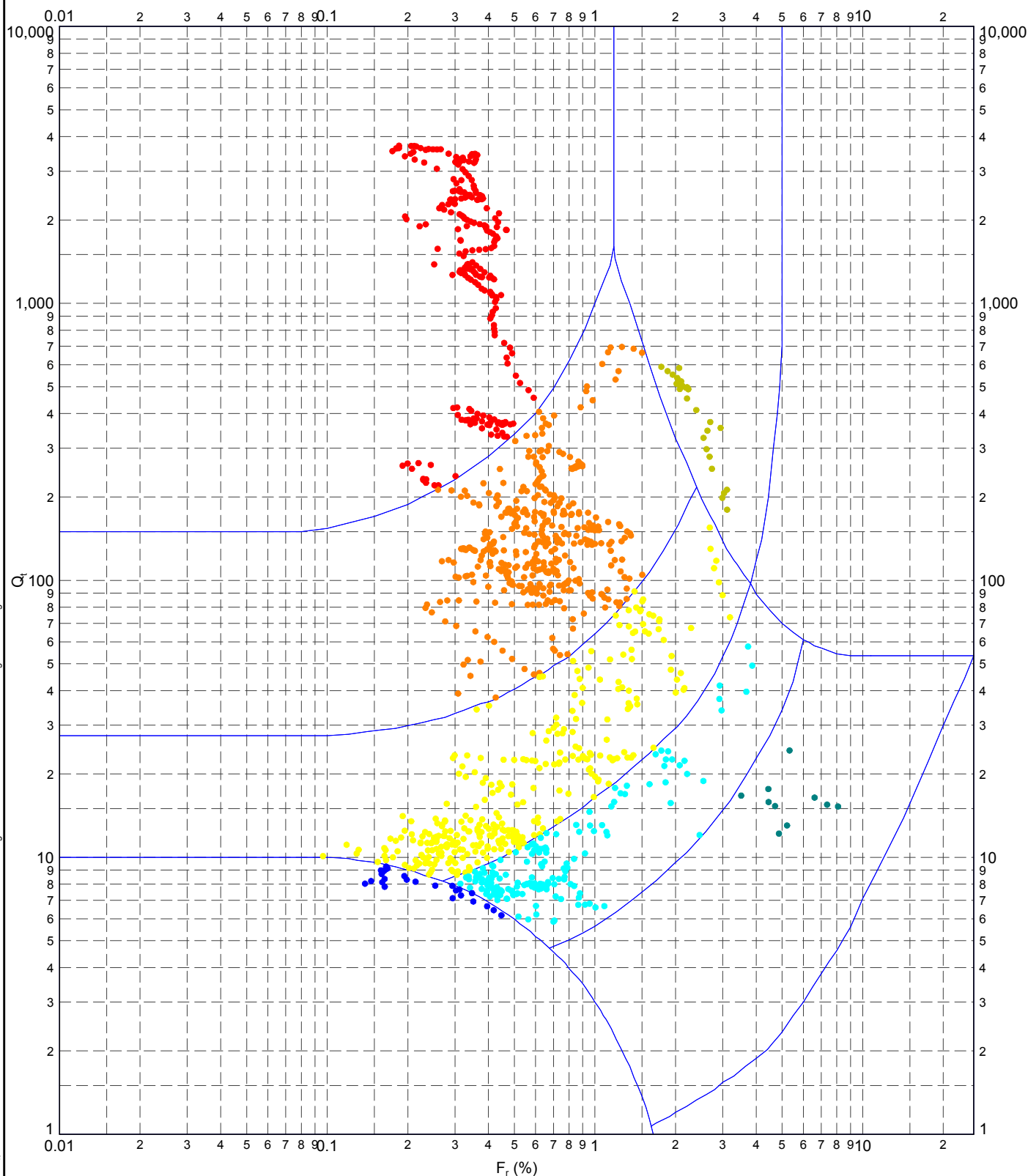
PROJECT No

2.15

FIGURE No

152

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 QT vs. FR EXTRAP M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:43 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrapolation of Q_t vs. F_r

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SCALE

Not To Scale

A4

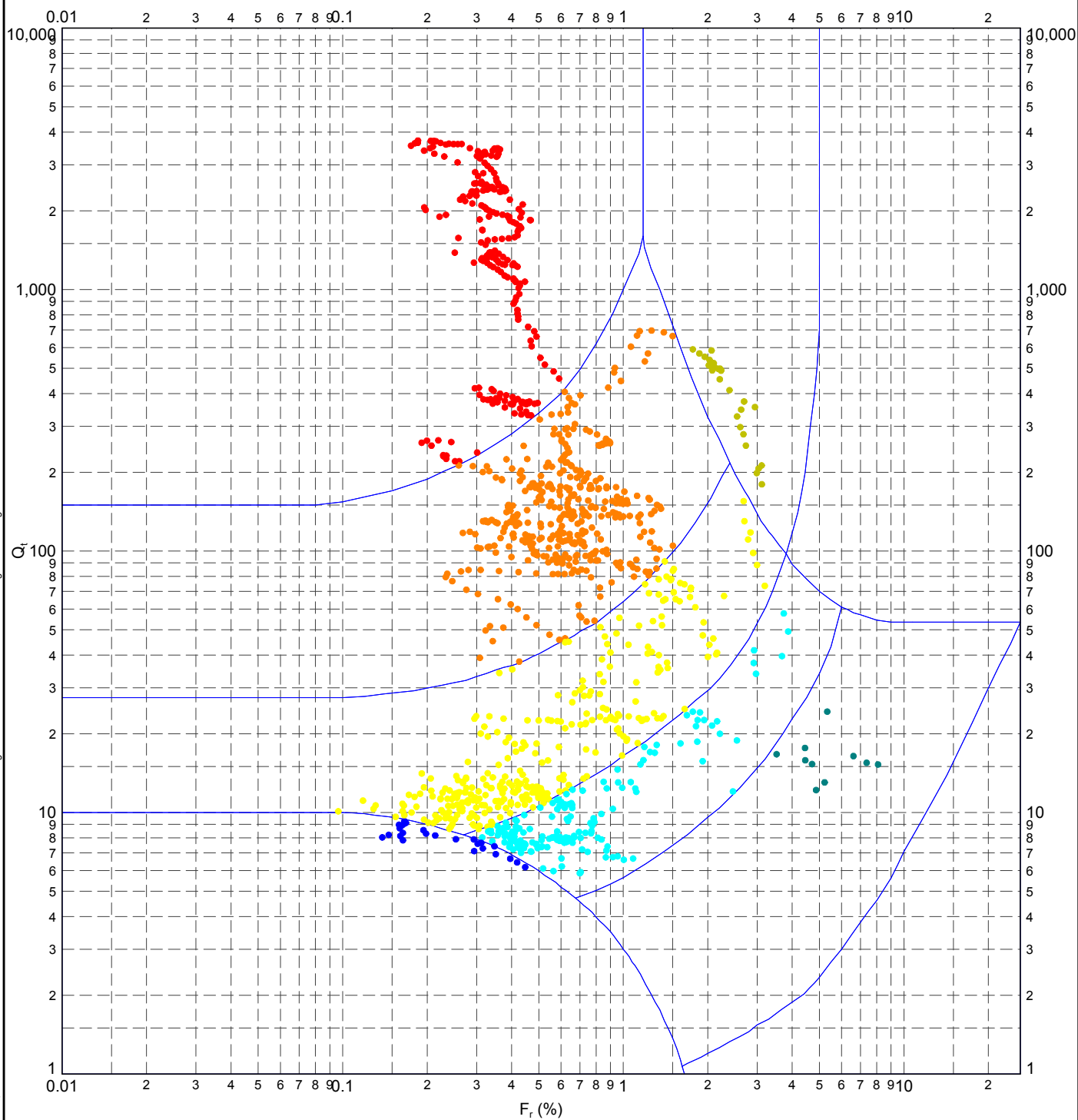
PROJECT No

2.15

FIGURE No

153

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON 90 QT VS FR EXTRAP M LETP DATGEL CPT TOOL DGD 2.15 GP J <<DrawingFile>> 27/Mar/2011 15:44 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Extrap. Q_t vs. F_r

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27/03/2011

SCALE

Not To Scale

Let

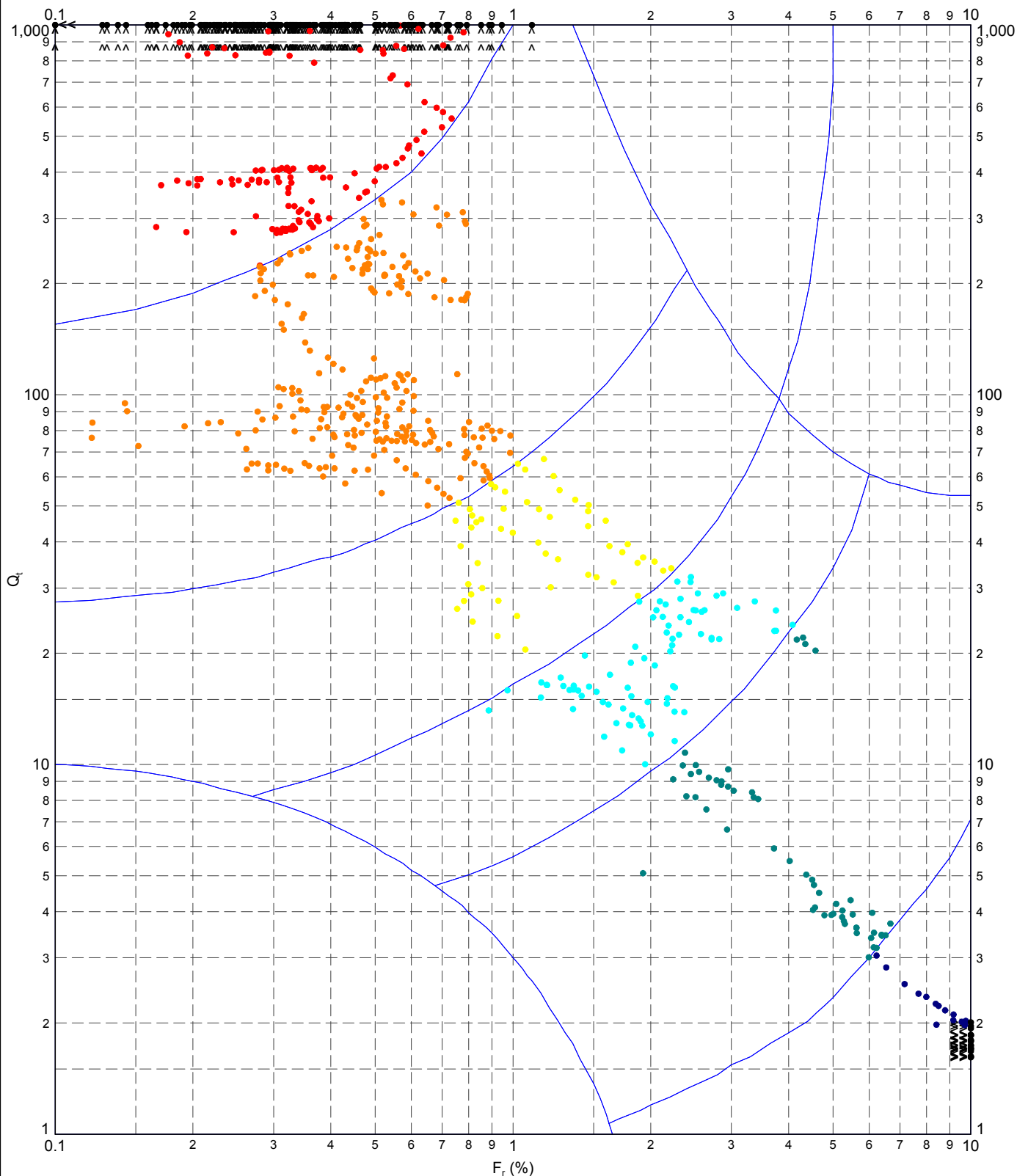
PROJECT No

2.15

FIGURE No

154

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON 90 Q_t vs. F_r M: A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:44 8.30.002 Datgel CPT Tool glINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravelly sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. F_r

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27/03/2011

SCALE

Not To Scale

A4

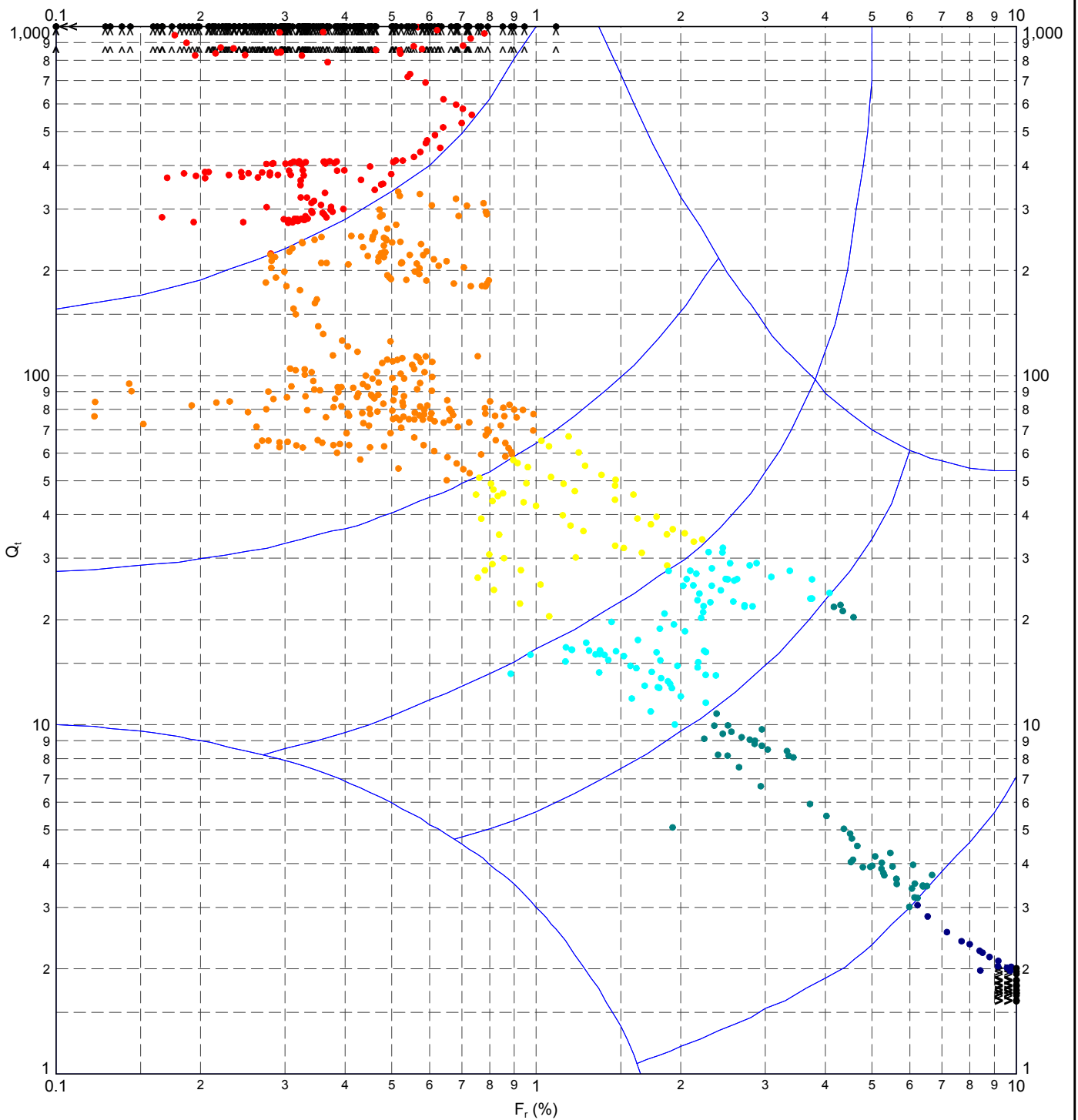
PROJECT No

2.15

FIGURE No

155

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON 90 QT VS FR M LETP DATGEL CPT TOOL DGD 2.15.GPJ <DrawingFile> 27 Mar 2011 15:45 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson 1990

- | | | |
|--------------------------------|---|------------------------------------|
| 1 - Sensitive, fine grained | 4 - Silt mixtures - clayey silt to silty clay | 7 - Gravely sand to sand |
| 2 - Organic soil - peats | 5 - Sand mixtures - silty sand to sandy silt | 8 - Very stiff sand to clayey sand |
| 3 - Clays - clay to silty clay | 6 - Sands - clean sand to silty sand | 9 - Very stiff fine grained |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson 1990 Q_t vs. F_r

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SCALE

Not To Scale

Let

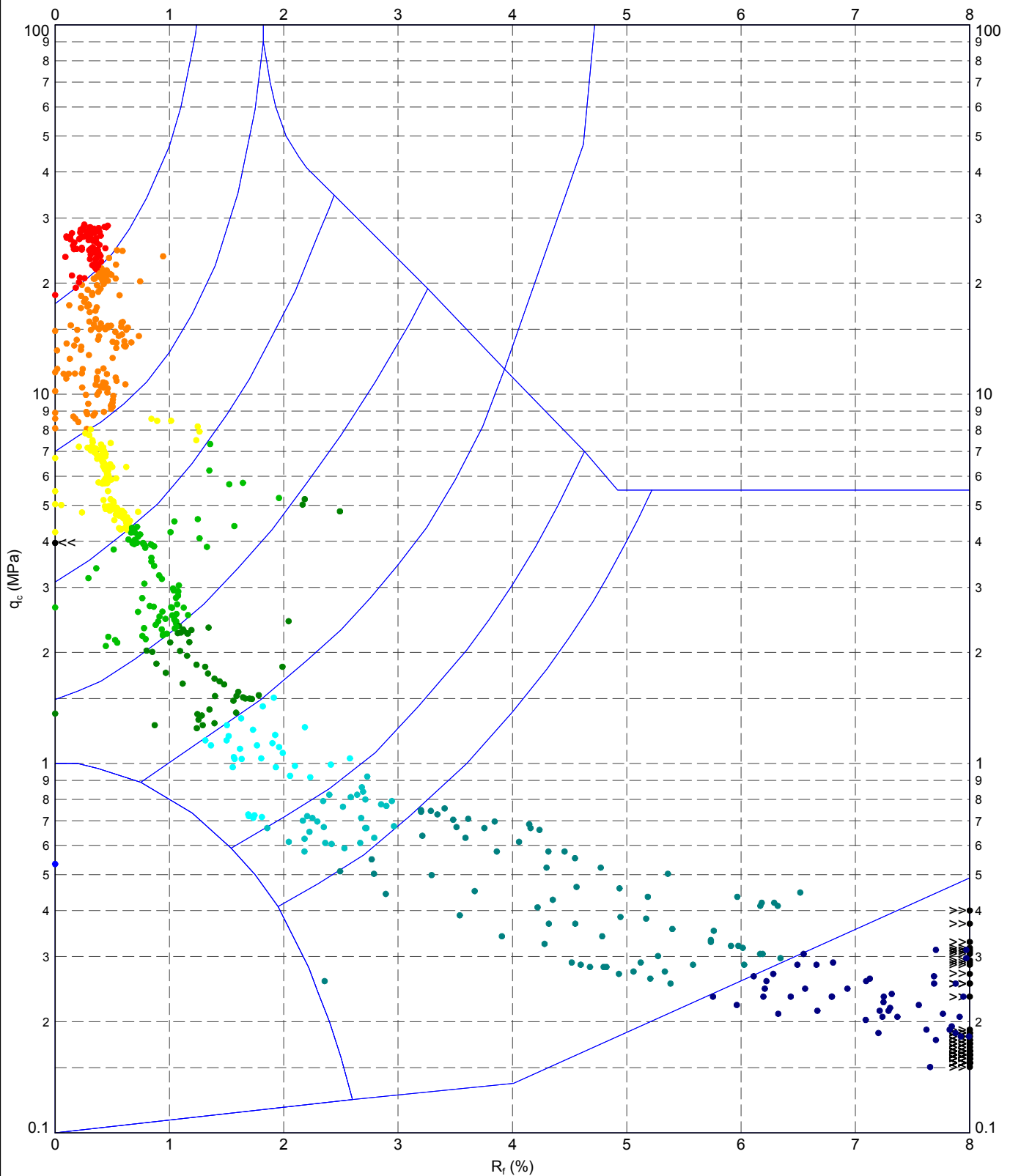
PROJECT No

2.15

FIGURE No

156

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:45 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986 qc Rf

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 qc vs. Rf - CPT 04

DRAWN

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27/03/2011

SCALE

Not To Scale

A4

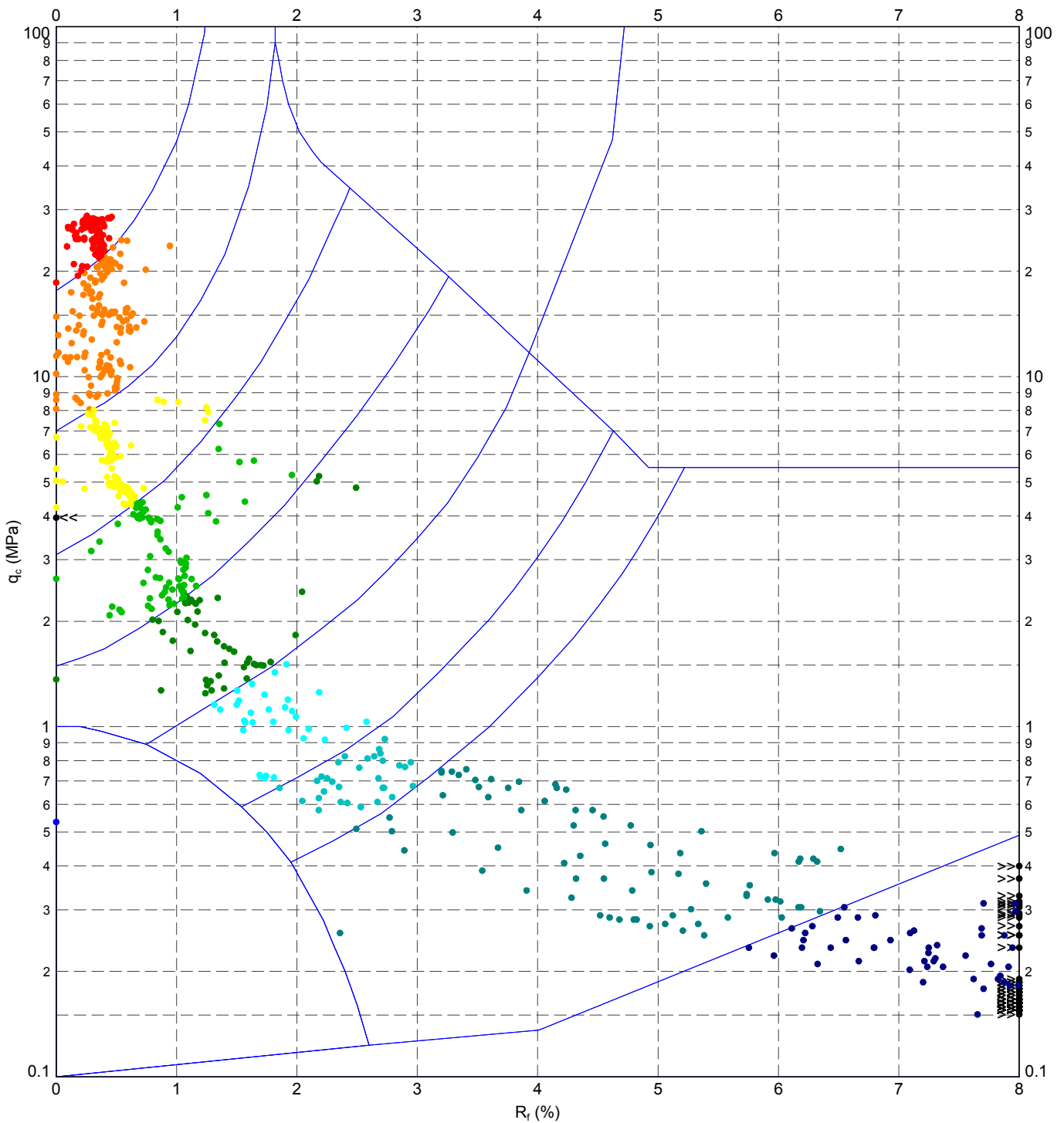
PROJECT No

2.15

FIGURE No

157

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON ET AL. 86 QC VS. RF LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:46 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986 qc Rf

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_c vs. R_f - CPT 04

DRAWN

PMW

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27/03/2011

SCALE

Not To Scale

Let

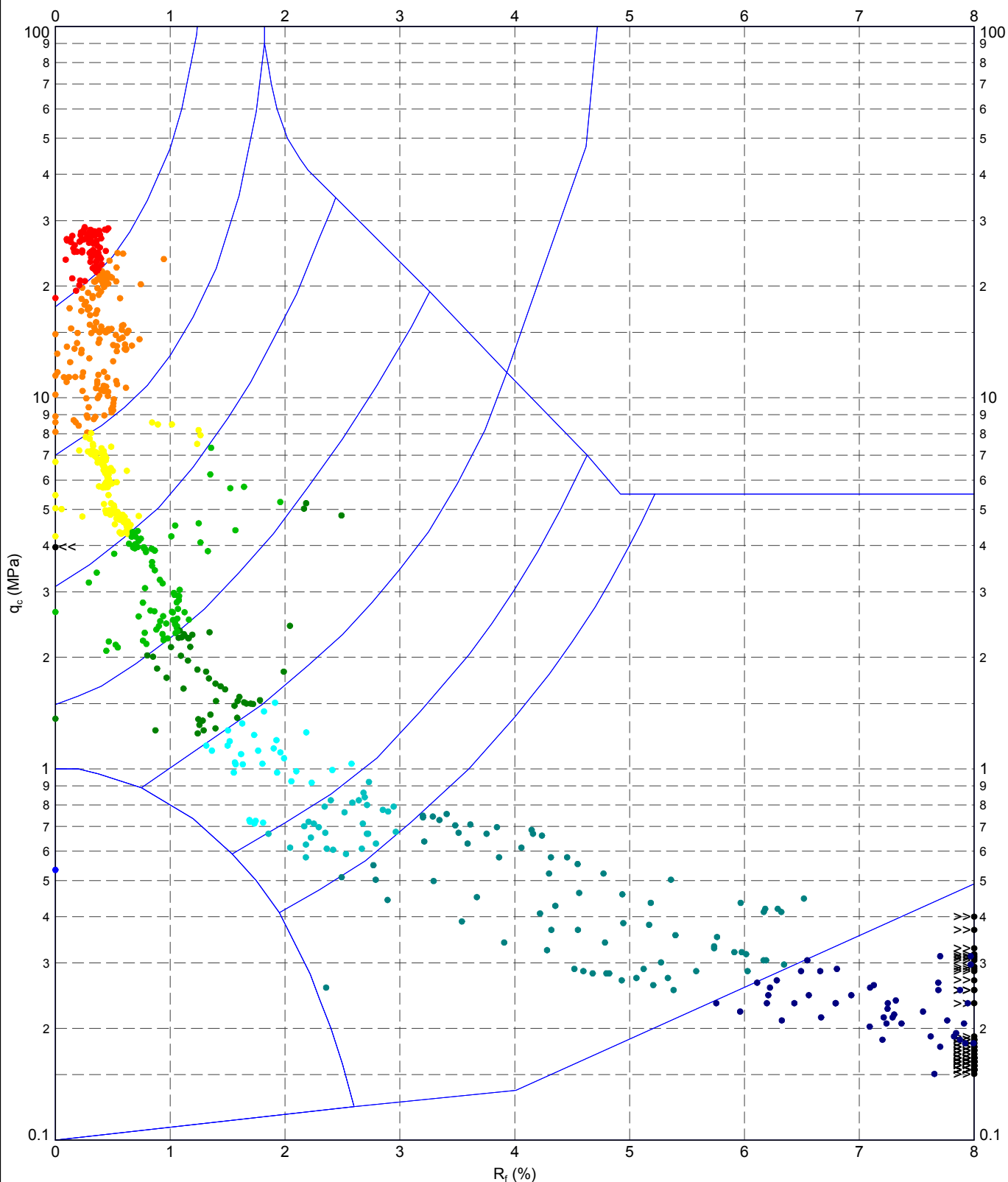
PROJECT No

2.15

FIGURE No

158

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON ET AL. 86 QC VS. RF M AAP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:46 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986 qc Rf

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_c vs. R_f

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DATE

27/03/2011

SCALE

Not To Scale

A4

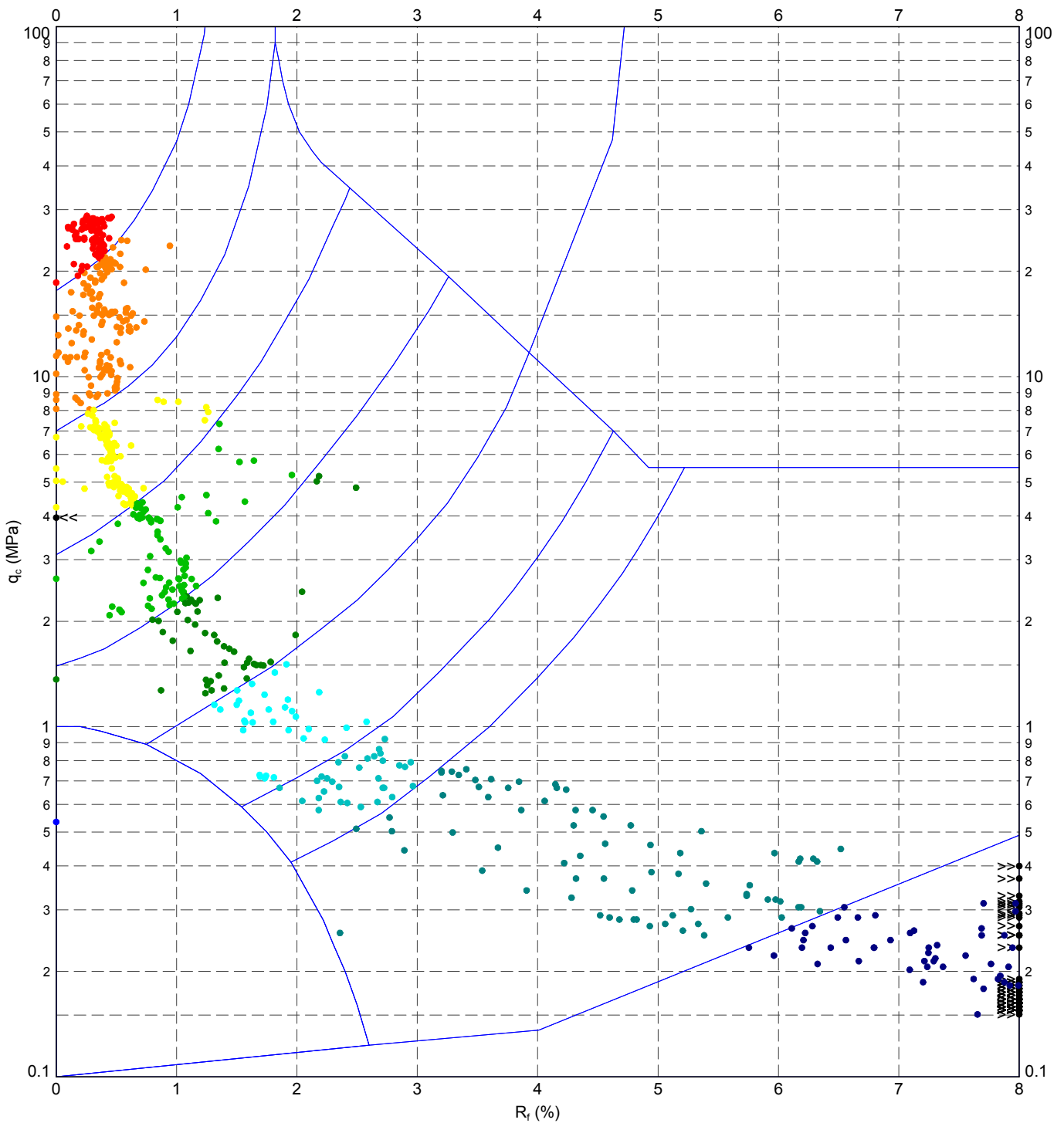
PROJECT No

2.15

FIGURE No

159

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT ROBERTSON ET AL. 86 QC VS. RF M LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:47 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson et al. 1986 qc Rf

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



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Robertson et al. 1986 q_c vs. R_f

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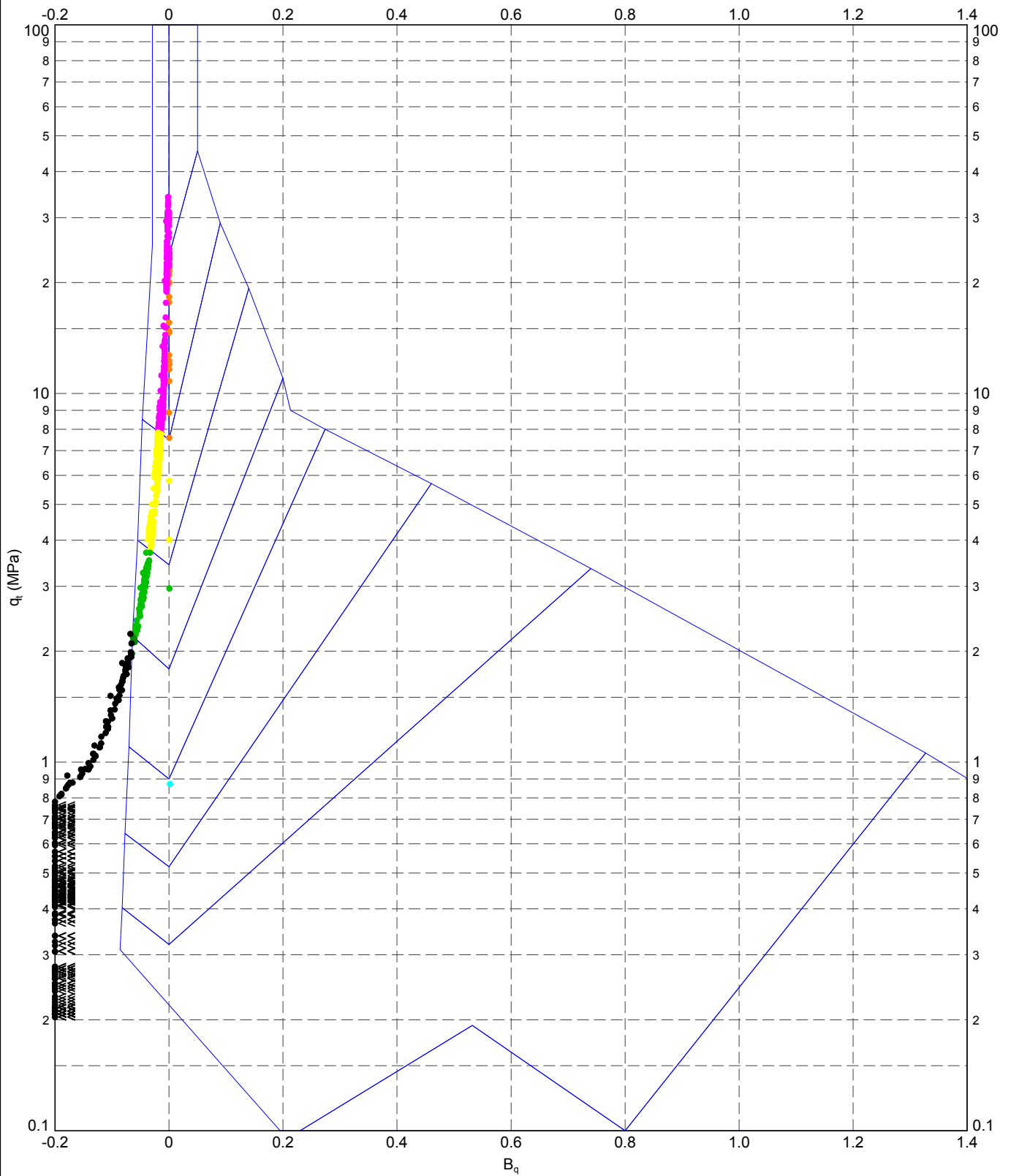
PROJECT No

2.15

FIGURE No

160

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON ET AL. 86 QT VS. BQ A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:47 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. B_q - CPT 03

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A4

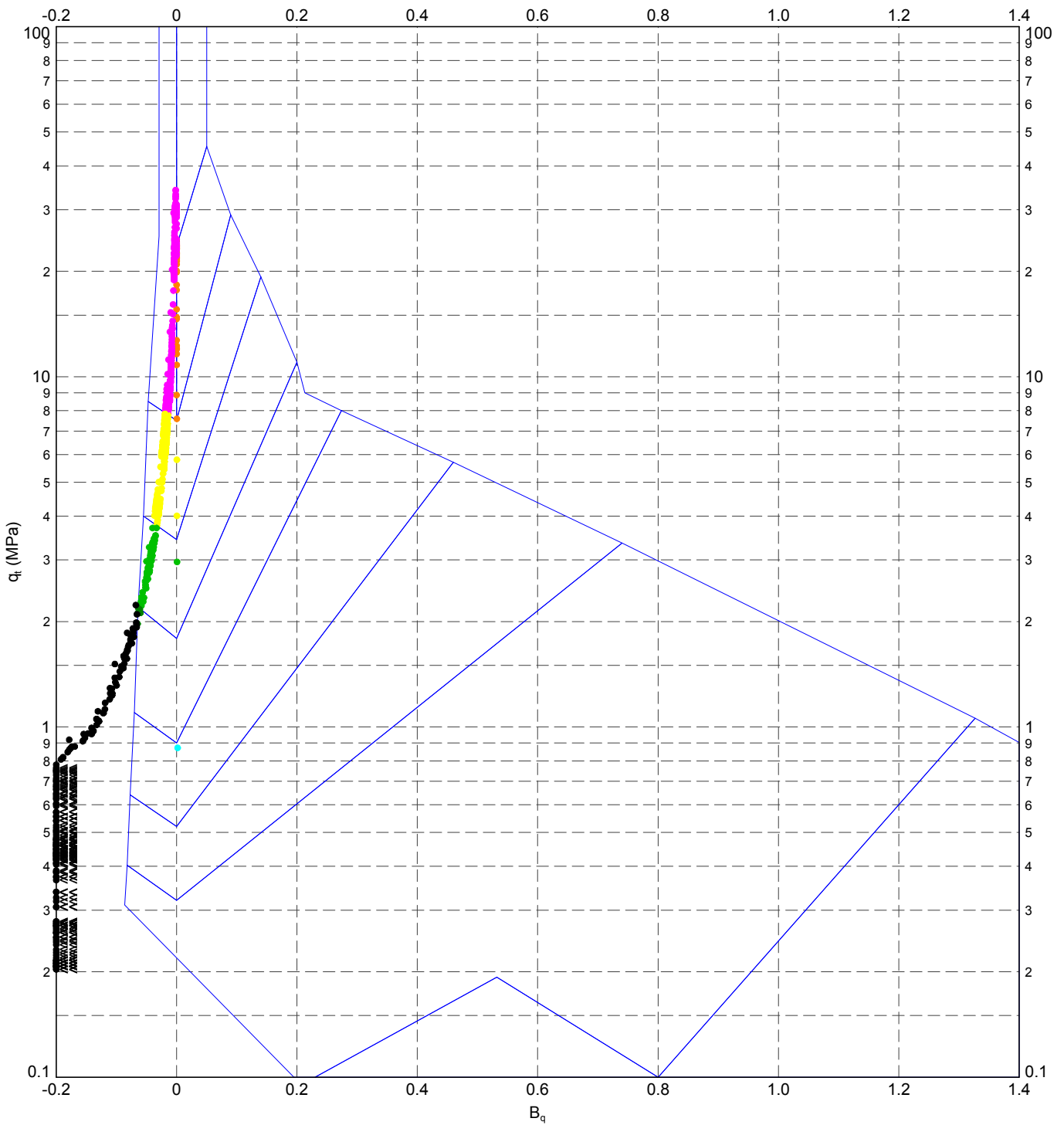
PROJECT No

2.15

FIGURE No

161

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT ROBERTSON ET AL. 86 QT VS. BQ LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:48 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Robertson et al. 1986 q_t vs. B_q - CPT 03

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Not To Scale

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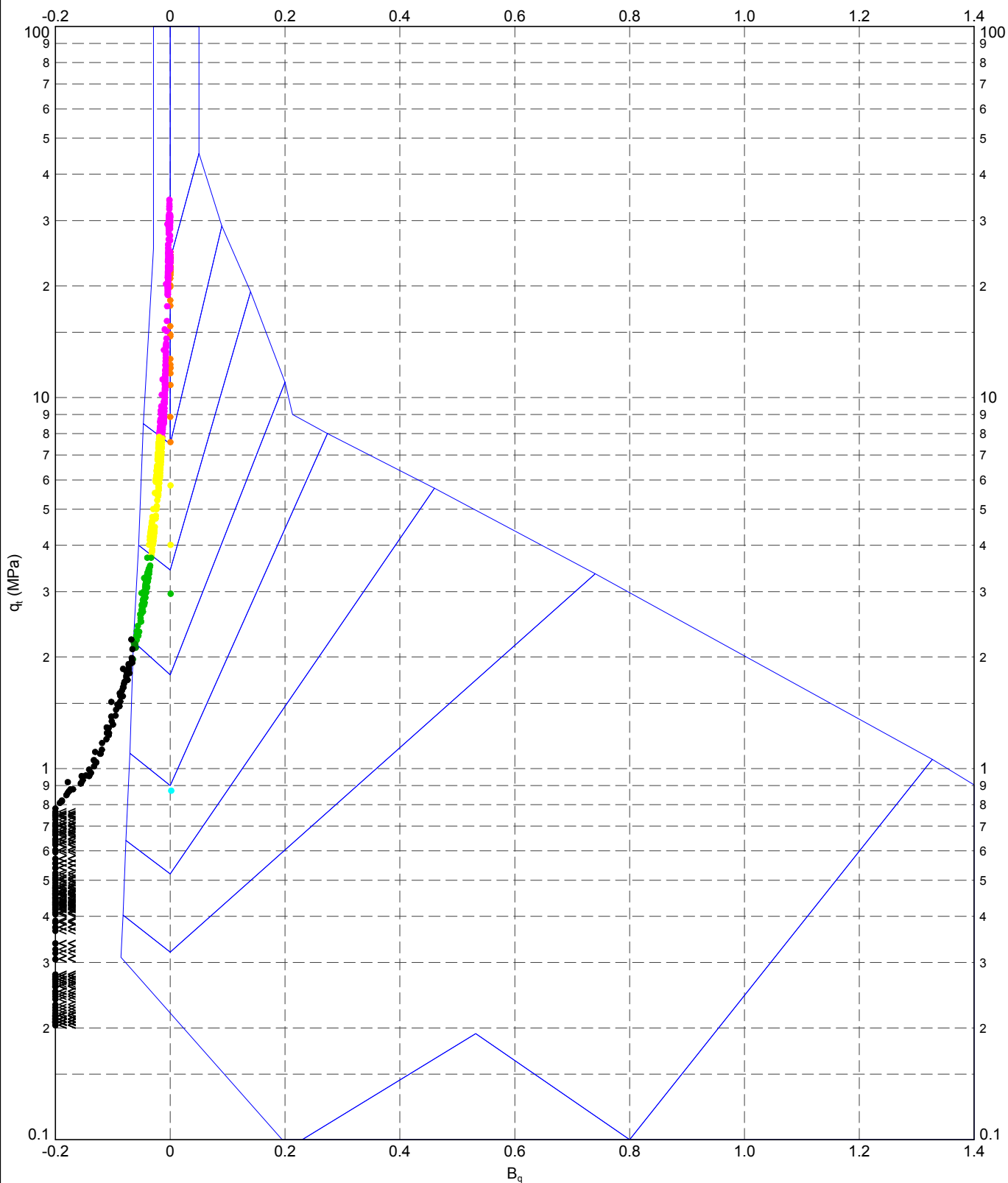
PROJECT No

2.15

FIGURE No

162

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON ET AL. 86 QT VS. BQ M A4P DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 15:48 8:30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Robertson et al. 1986 q_t vs. B_q

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A4

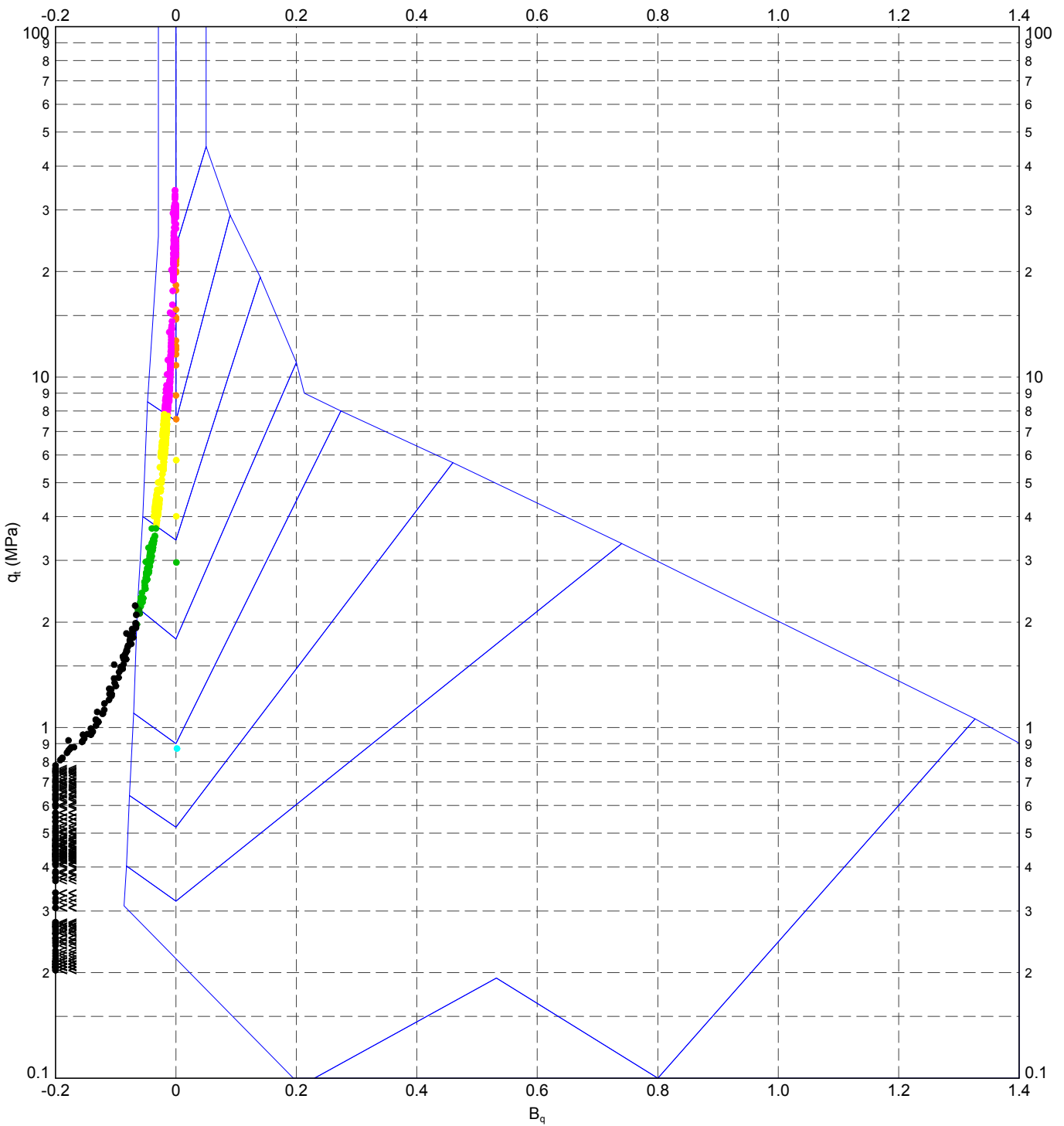
PROJECT No

2.15

FIGURE No

163

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT ROBERTSON ET AL. 86 QT VS. BQ M LEIP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:49 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986

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

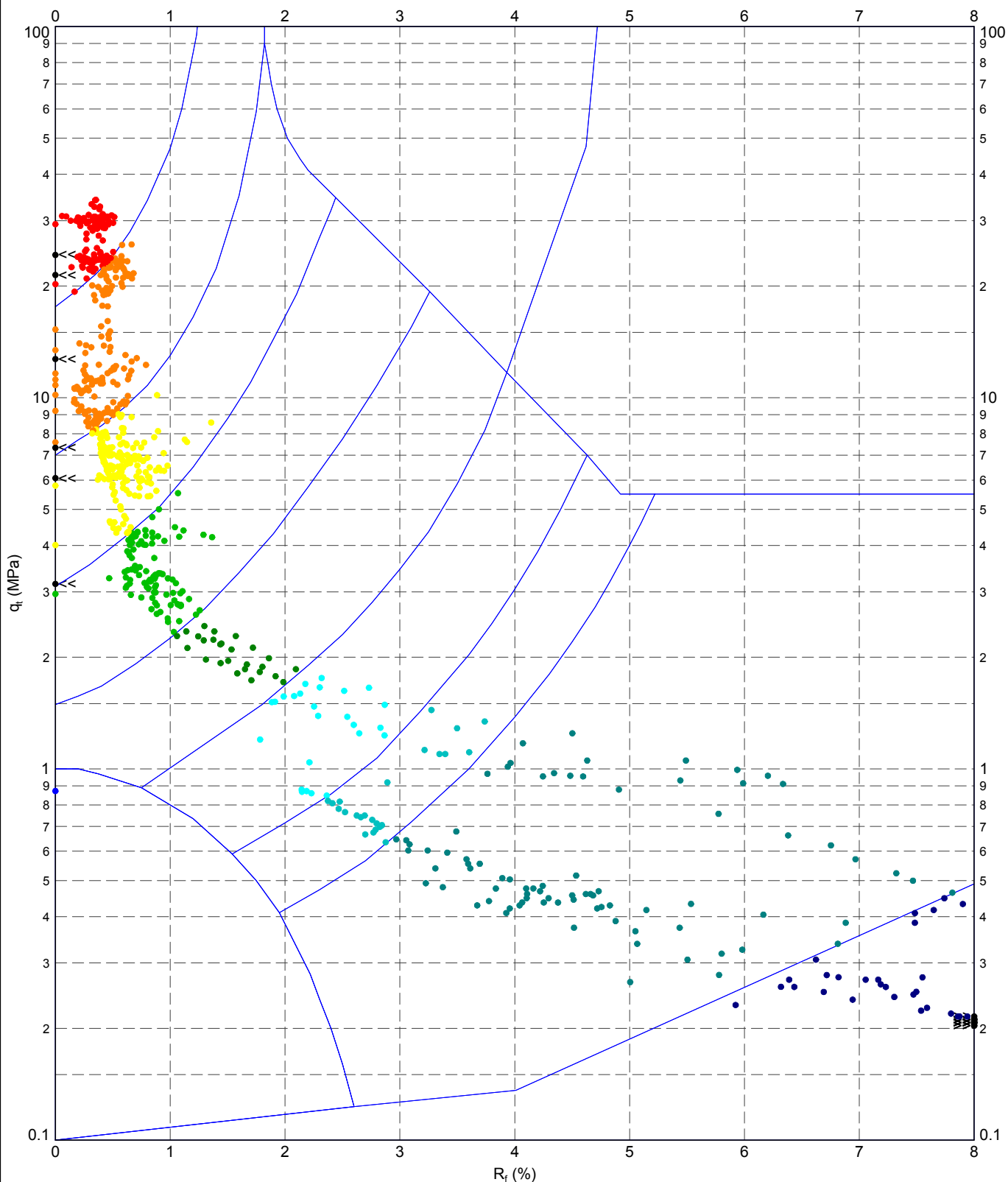


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. B_q

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	164

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON ET AL. 86 QT VS. RF A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:49 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. R_f - CPT 03

DRAWN

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27/03/2011

SCALE

Not To Scale

A4

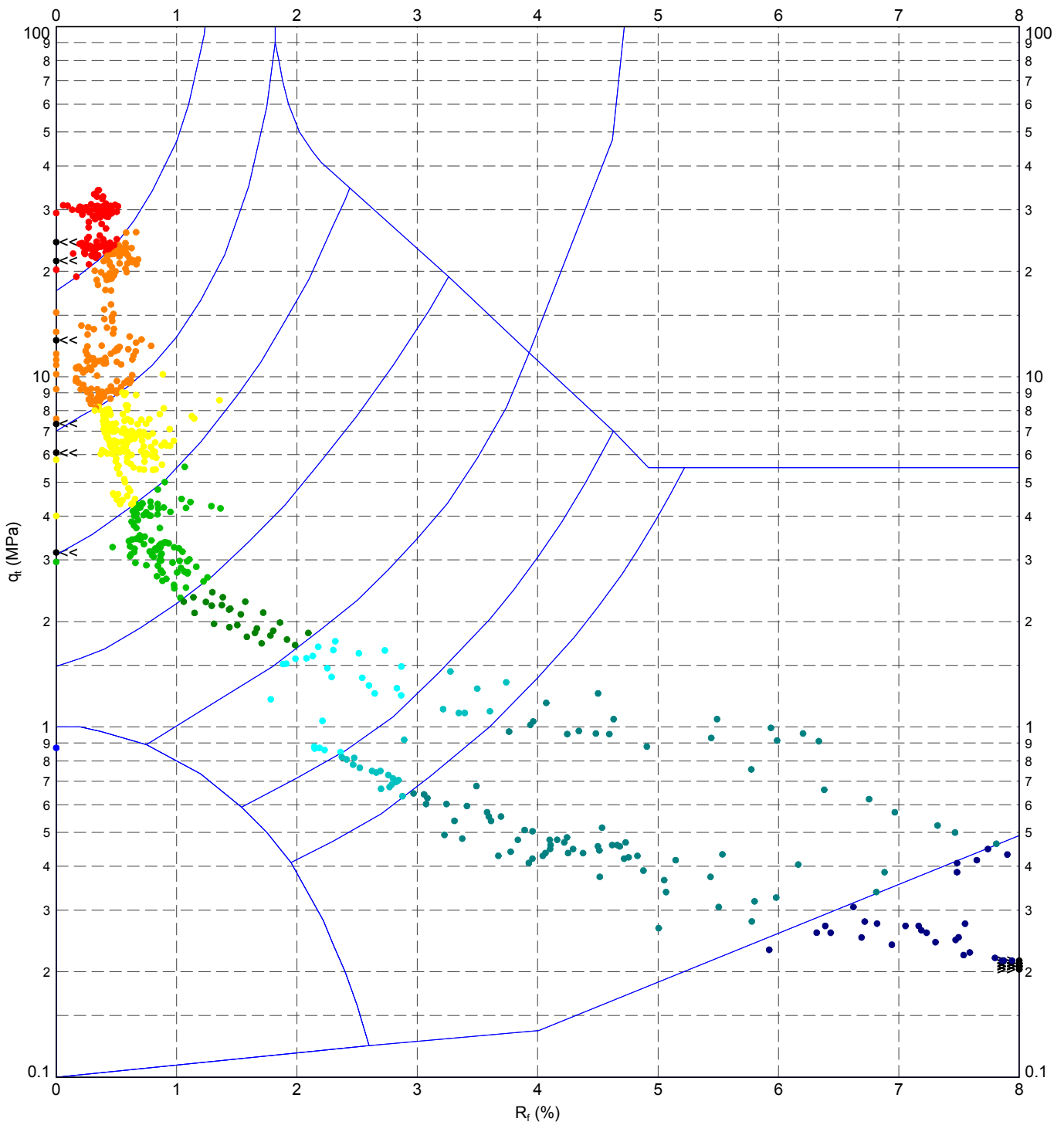
PROJECT No

2.15

FIGURE No

165

DATGEL CPT TOOL DGD LIB 2.15 GUB Graph CPT ROBERTSON ET AL. 86 QT VS. RF LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 15:50 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. R_f - CPT 03

DRAWN

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27/03/2011

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DATE

27/03/2011

SCALE

Not To Scale

Let

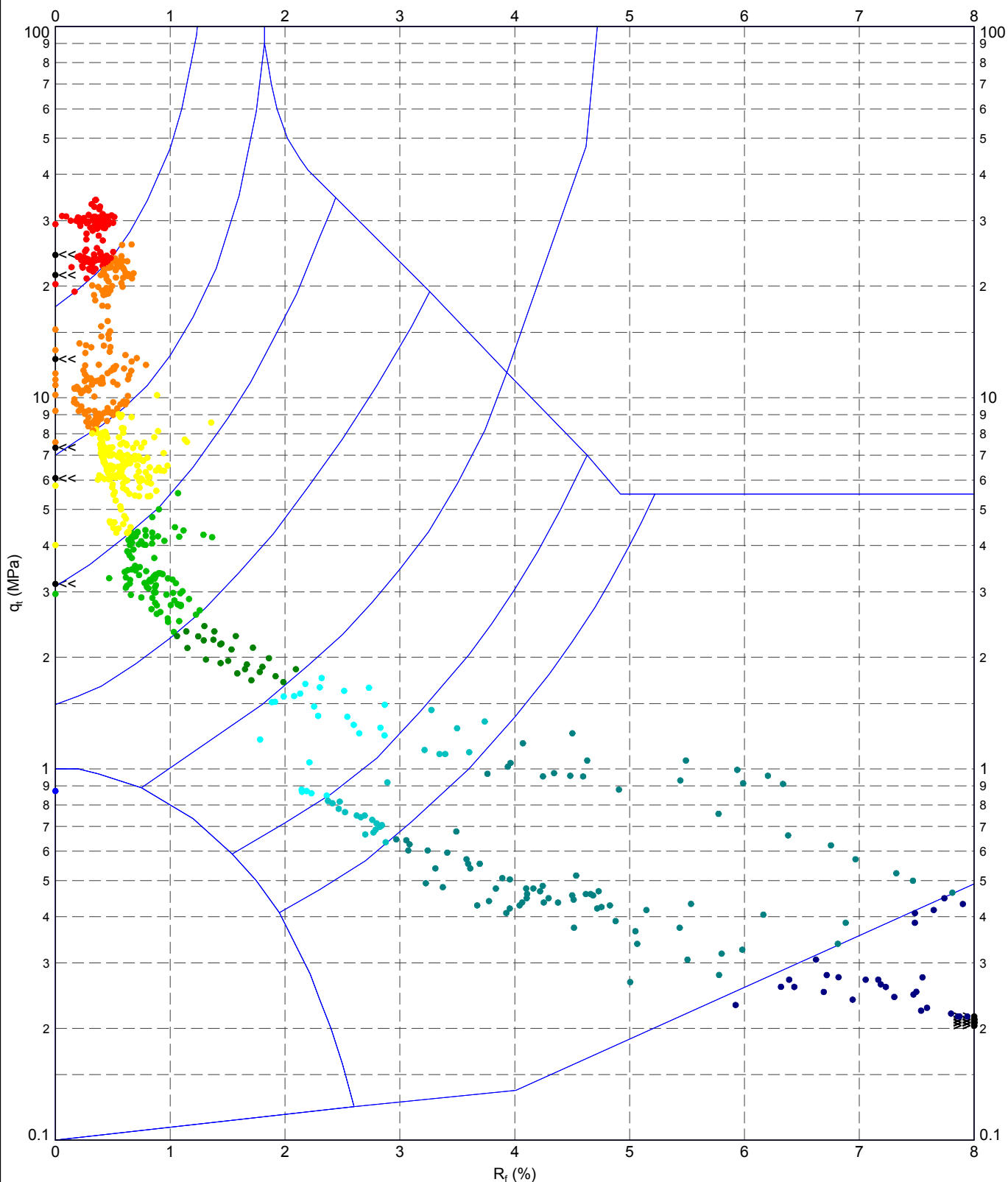
PROJECT No

2.15

FIGURE No

166

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT TOOL ROBERTSON ET AL. 86 QT VS. RF M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:50 8:30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. R_f

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27/03/2011

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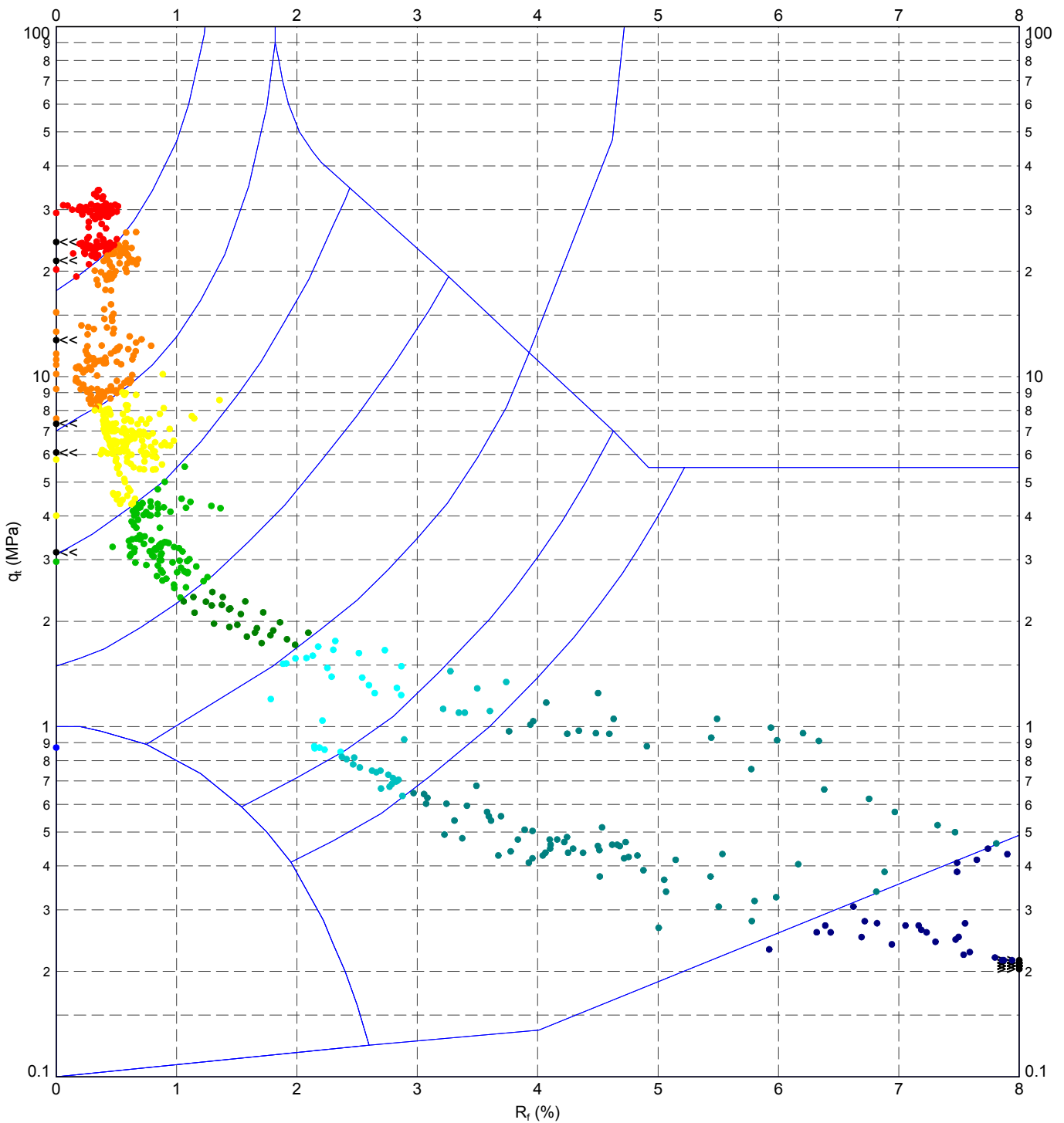
PROJECT No

2.15

FIGURE No

167

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT ROBERTSON ET AL. 86 QT VS. RF M LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:51 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Robertson et al. 1986

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



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Robertson et al. 1986 q_t vs. R_f

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SCALE

Not To Scale

Let

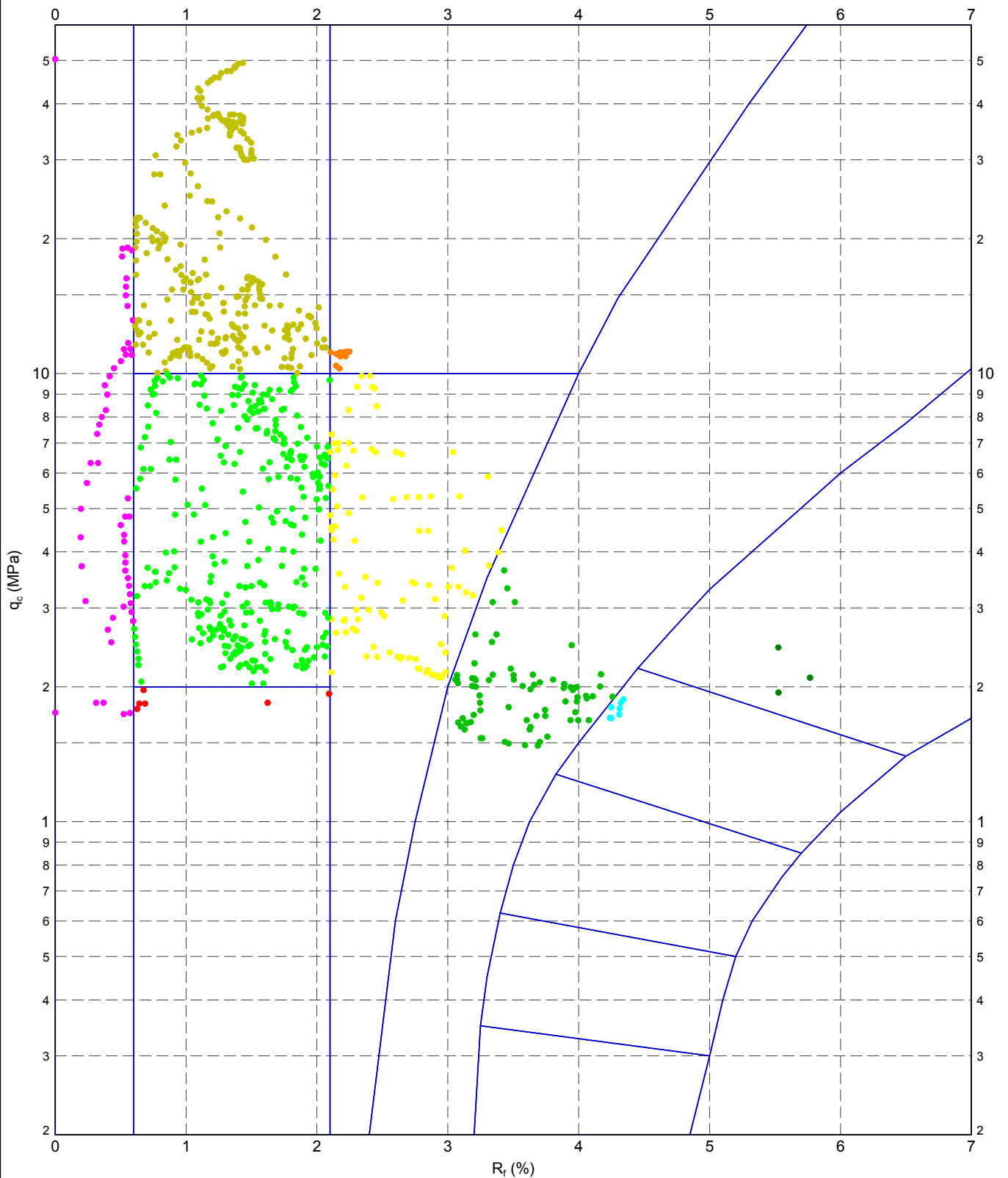
PROJECT No

2.15

FIGURE No

168

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHMERTMANN 1978 A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:51 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schmertmann 1978

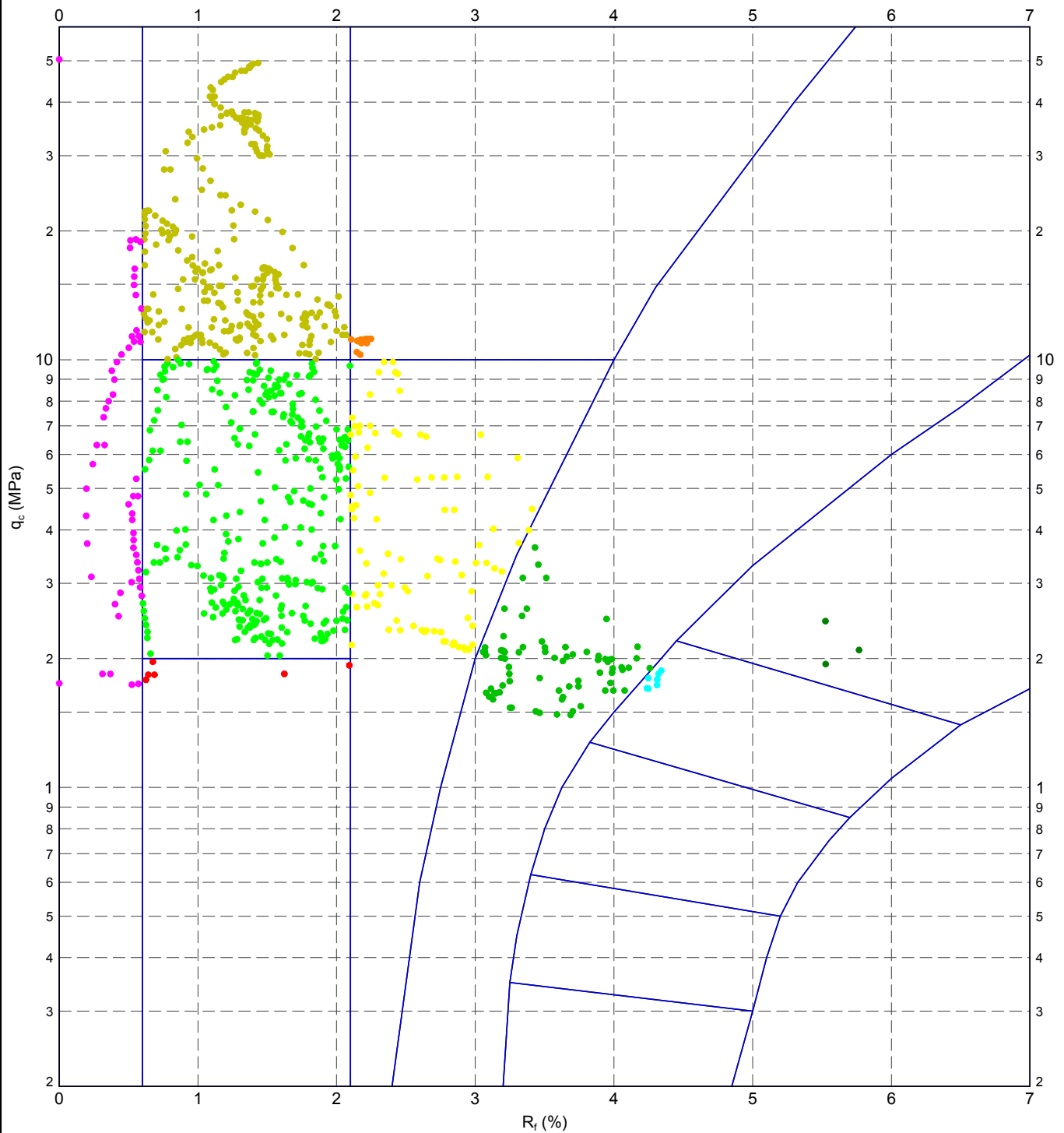
- | | | | |
|---|--|-----------------------------|----------------------------------|
| 1 - Organic CLAYS & Mixed Soils | 5 - Stiff Insensitive Non-Fissured Inorganic CLAY | 9 - SILT-SAND Mixtures | 13 - Very SHELL SANDS, LIMEROCKS |
| 2 - Very Soft Insensitive Non-Fissured Inorganic CLAY | 6 - Very Stiff Insensitive Non-Fissured Inorganic CLAY | 10 - Loose SAND | |
| 3 - Soft Insensitive Non-Fissured Inorganic CLAY | 7 - Sandy and Silty CLAYS | 11 - SAND | |
| 4 - Medium Insensitive Non-Fissured Inorganic CLAY | 8 - Clayey-SANDS and SILTS | 12 - Dense or Cemented SAND | |



TITLE
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schmertmann 1978 q_c vs. R_f - CPT 00
Schmertmann 1978

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SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	169

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHMERTMANN 1978 LETP DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 15:52 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schmertmann 1978

- | | | | |
|---|--|-----------------------------|----------------------------------|
| 1 - Organic CLAYS & Mixed Soils | 5 - Stiff Insensitive Non-Fissured Inorganic CLAY | 9 - SILT-SAND Mixtures | 13 - Very SHELL SANDS, LIMEROCKS |
| 2 - Very Soft Insensitive Non-Fissured Inorganic CLAY | 6 - Very Stiff Insensitive Non-Fissured Inorganic CLAY | 10 - Loose SAND | |
| 3 - Soft Insensitive Non-Fissured Inorganic CLAY | 7 - Sandy and Silty CLAYS | 11 - SAND | |
| 4 - Medium Insensitive Non-Fissured Inorganic CLAY | 8 - Clayey-SANDS and SILTS | 12 - Dense or Cemented SAND | |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schmertmann 1978 q_c vs. R_f - CPT 00
Schmertmann 1978

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DATE

27/03/2011

SCALE

Not To Scale

Let

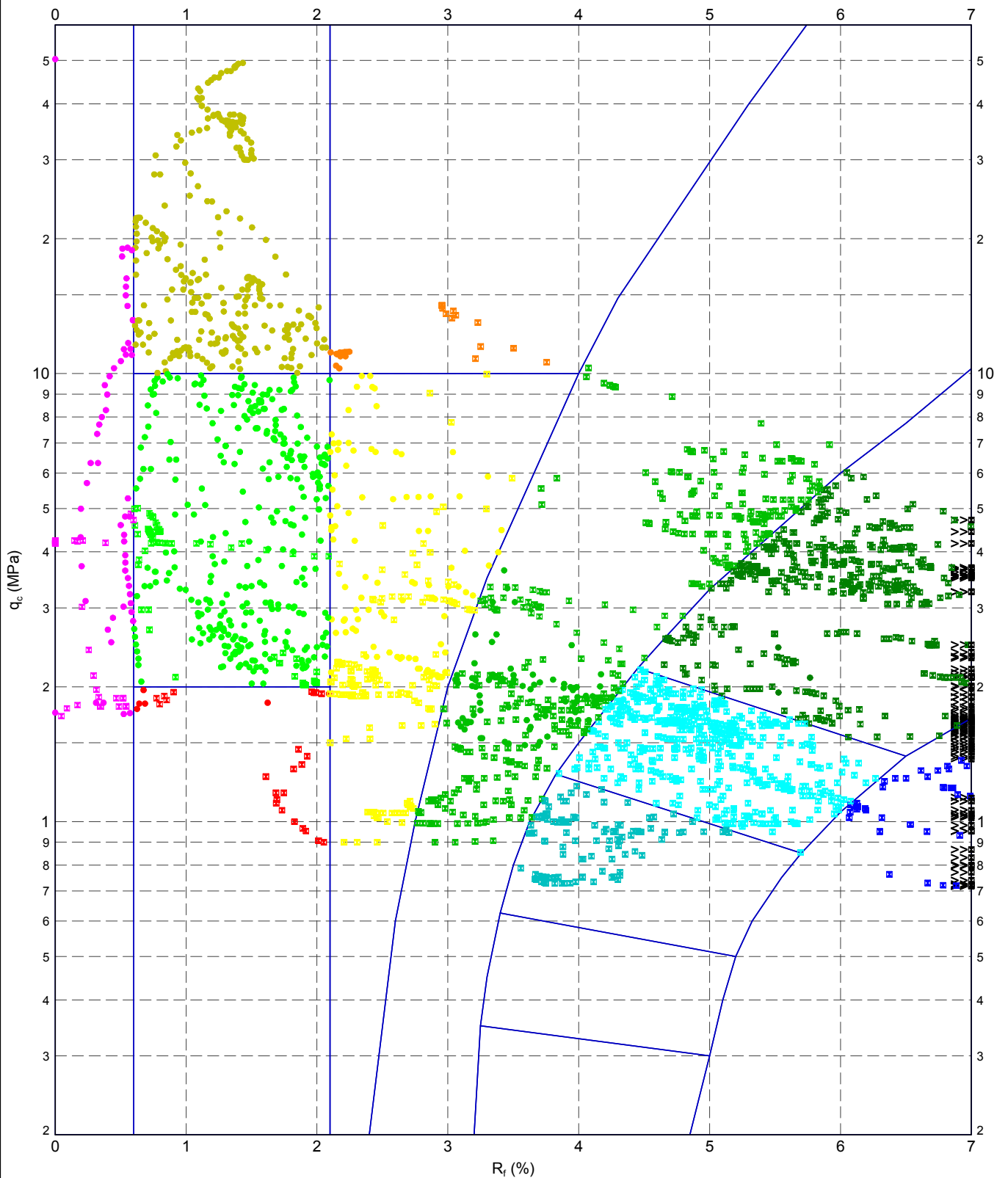
PROJECT No

2.15

FIGURE No

170

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHMERTMANN 1978 M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:53 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schmertmann 1978

- | | | | |
|---|--|-----------------------------|----------------------------------|
| 1 - Organic CLAYS & Mixed Soils | 5 - Stiff Insensitive Non-Fissured Inorganic CLAY | 9 - SILT-SAND Mixtures | 13 - Very SHELL SANDS, LIMEROCKS |
| 2 - Very Soft Insensitive Non-Fissured Inorganic CLAY | 6 - Very Stiff Insensitive Non-Fissured Inorganic CLAY | 10 - Loose SAND | |
| 3 - Soft Insensitive Non-Fissured Inorganic CLAY | 7 - Sandy and Silty CLAYS | 11 - SAND | |
| 4 - Medium Insensitive Non-Fissured Inorganic CLAY | 8 - Clayey-SANDS and SILTS | 12 - Dense or Cemented SAND | |



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Schmertmann 1978 q_c vs. R_f

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SCALE

Not To Scale

A4

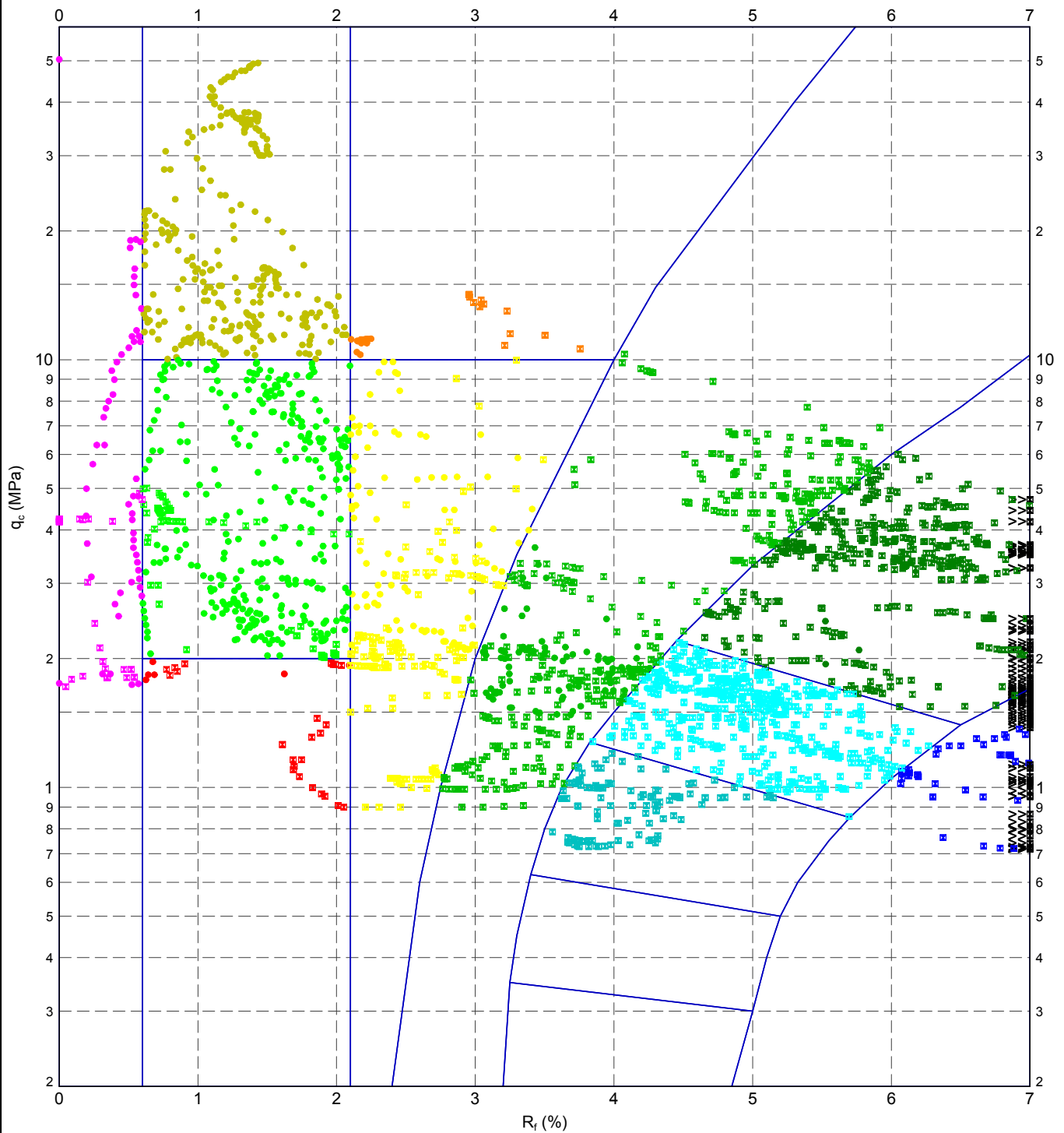
PROJECT No

2.15

FIGURE No

171

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHMERTMANN 1978 M LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:54 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Schmertmann 1978

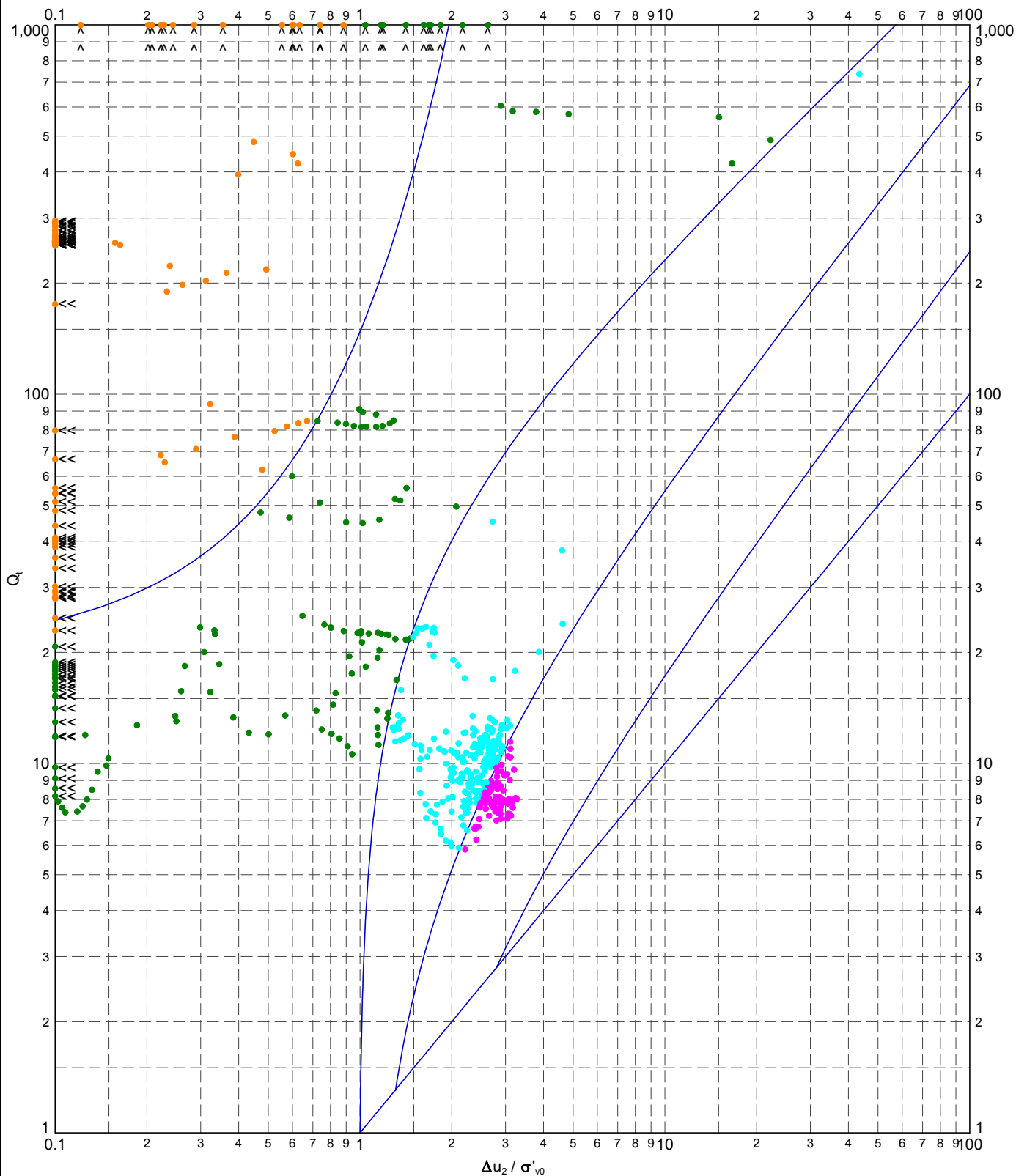
- | | | | |
|---|--|-----------------------------|----------------------------------|
| 1 - Organic CLAYS & Mixed Soils | 5 - Stiff Insensitive Non-Fissured Inorganic CLAY | 9 - SILT-SAND Mixtures | 13 - Very SHELL SANDS, LIMEROCKS |
| 2 - Very Soft Insensitive Non-Fissured Inorganic CLAY | 6 - Very Stiff Insensitive Non-Fissured Inorganic CLAY | 10 - Loose SAND | |
| 3 - Soft Insensitive Non-Fissured Inorganic CLAY | 7 - Sandy and Silty CLAYS | 11 - SAND | |
| 4 - Medium Insensitive Non-Fissured Inorganic CLAY | 8 - Clayey-SANDS and SILTS | 12 - Dense or Cemented SAND | |



TITLE
CPT Client
ABC Engineering
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CPT Tool Project
Schmertmann 1978 q_c vs. R_f

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SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	172

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 LOG-LOG A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:55 830.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

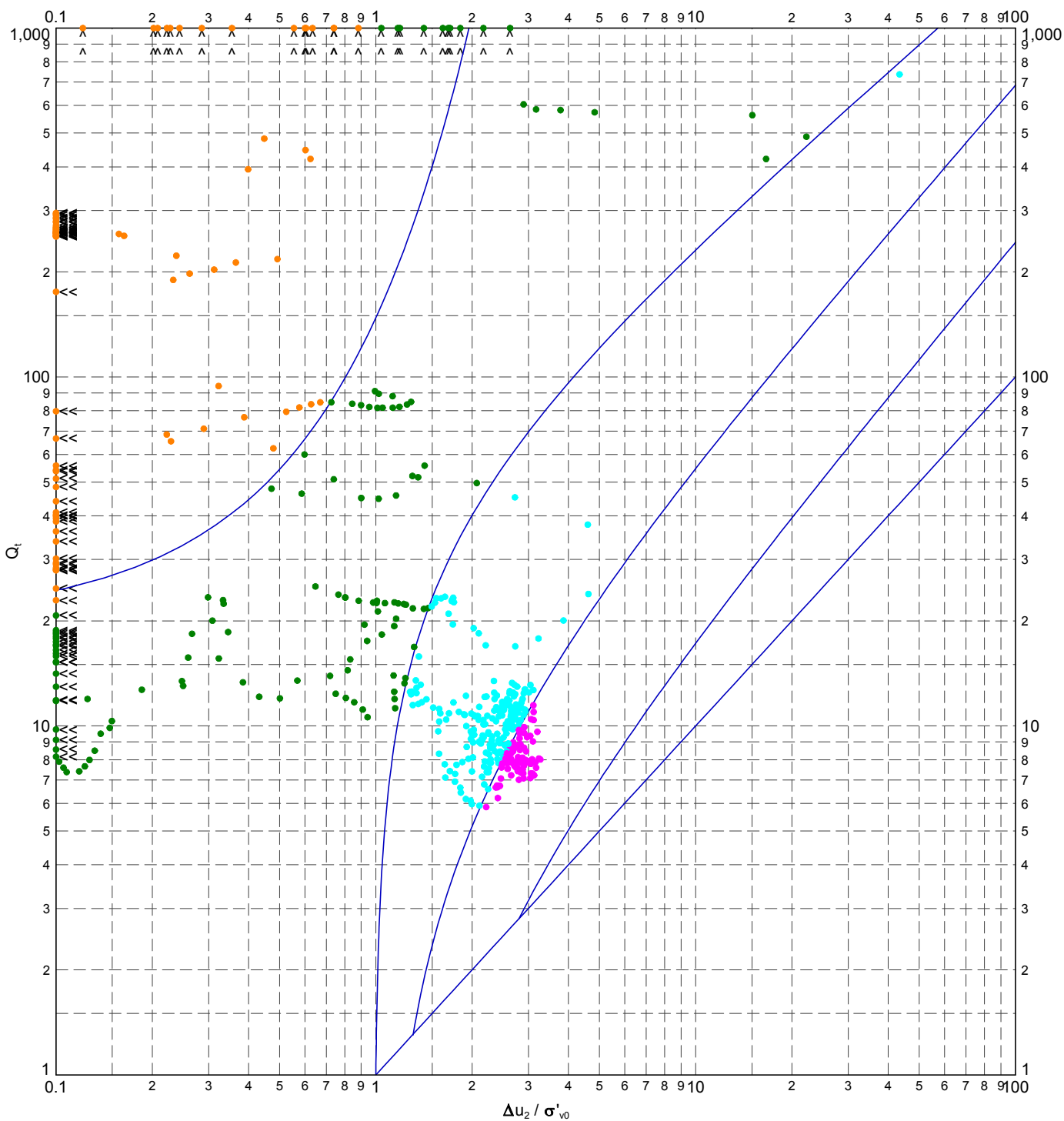
- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_1 vs. $\Delta u_2 / \sigma'_{v0}$ - CPT

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	173

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT SCHNEIDER ET AL. 08 LOG-LOG LETP DATGEL CPT TOOL DGD 2.15 GJL <<DrawingFile>> 27/Mar/2011 15:56:8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$ - CPT

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SCALE

Not To Scale

Let

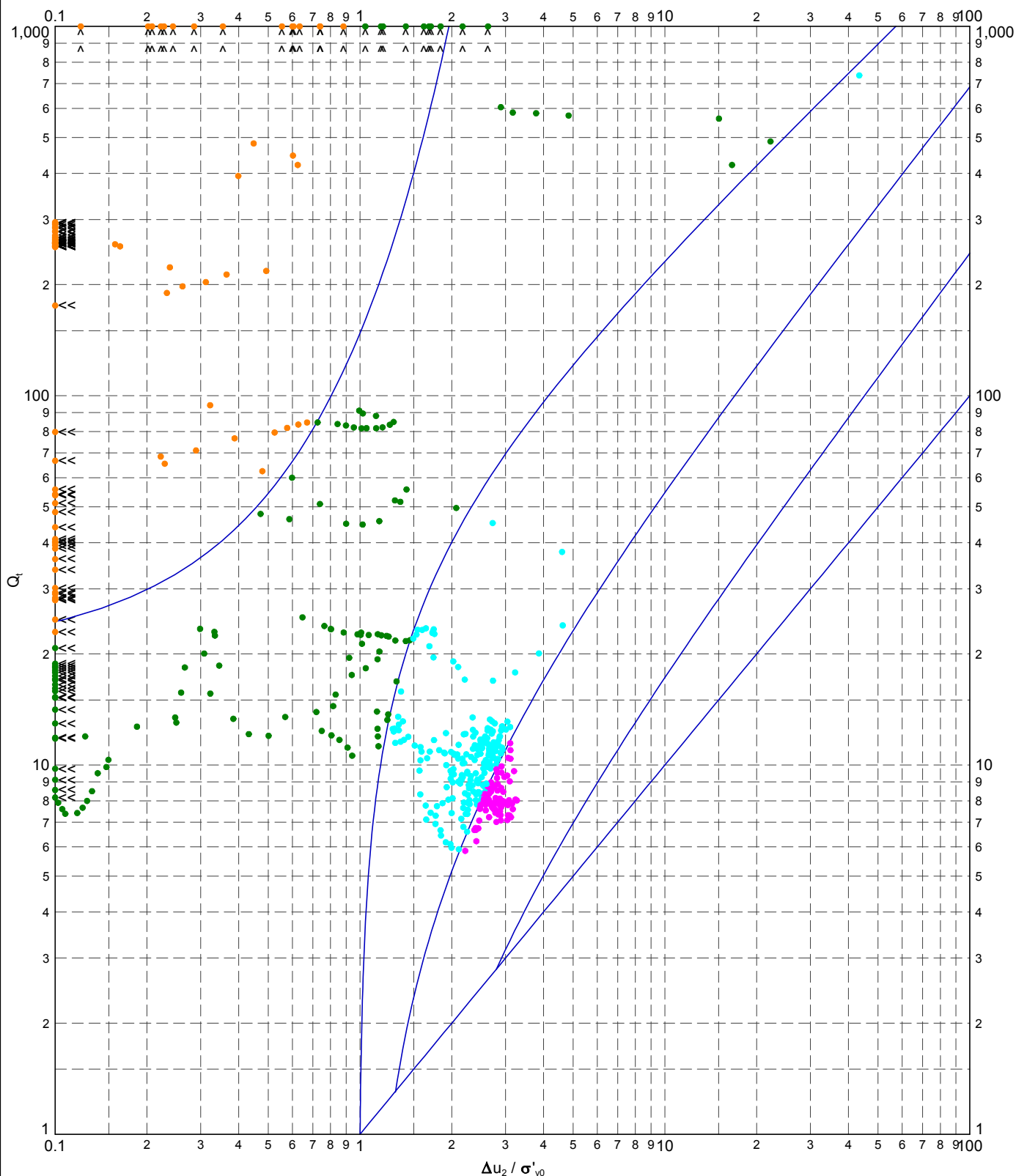
PROJECT No

2.15

FIGURE No

174

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 LOG-LOG M44P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:58 8.30.002 Datgel CPT Tool glINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$

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DATE

27/03/2011

SCALE

Not To Scale

A4

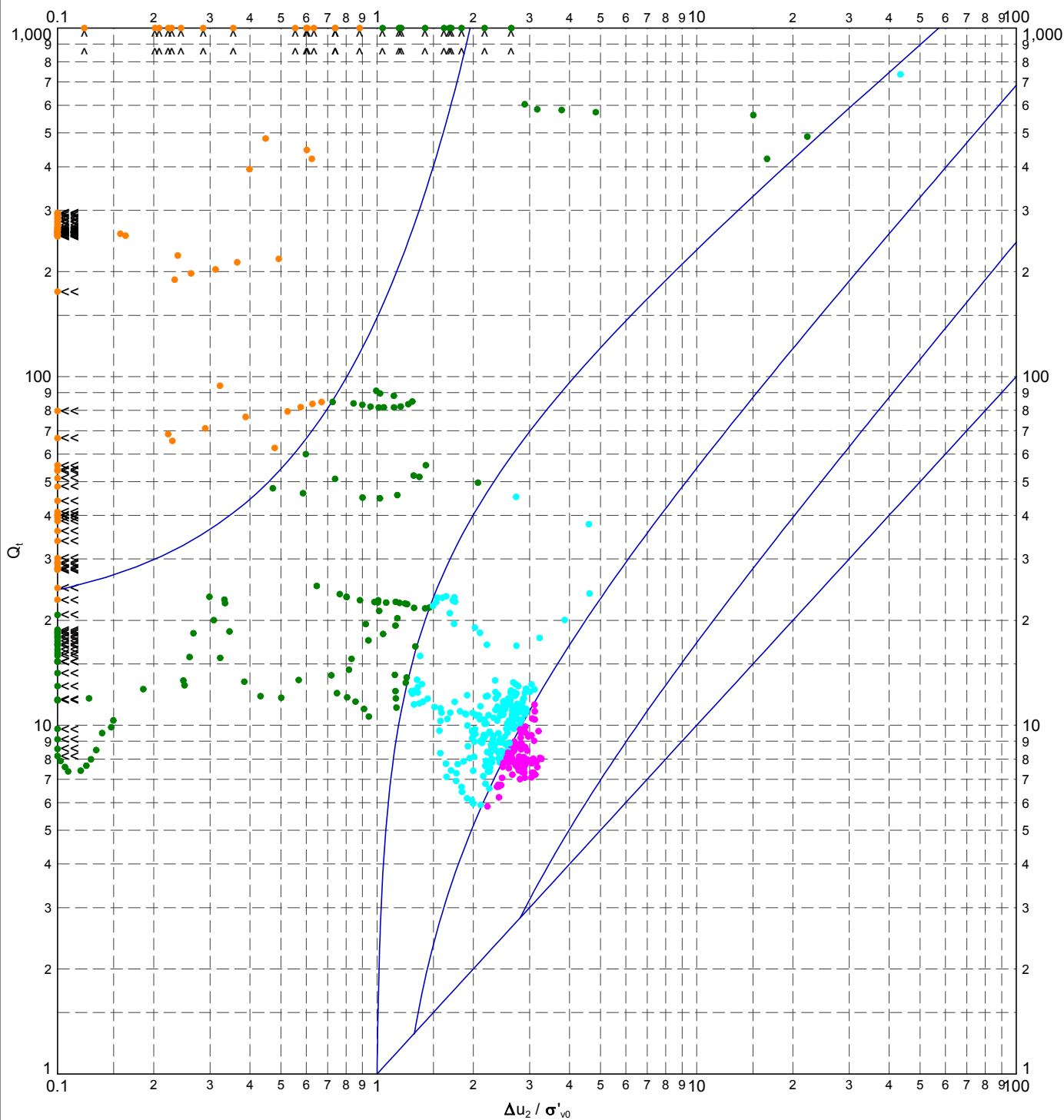
PROJECT No

2.15

FIGURE No

175

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT SCHNEIDER ET AL. 08 LOG-LOG M.I.E.T.P. DATGEL CPT TOOL DGD 2.15.GPJ <-DrawingFile> 27/Mar/2011 15:57 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils

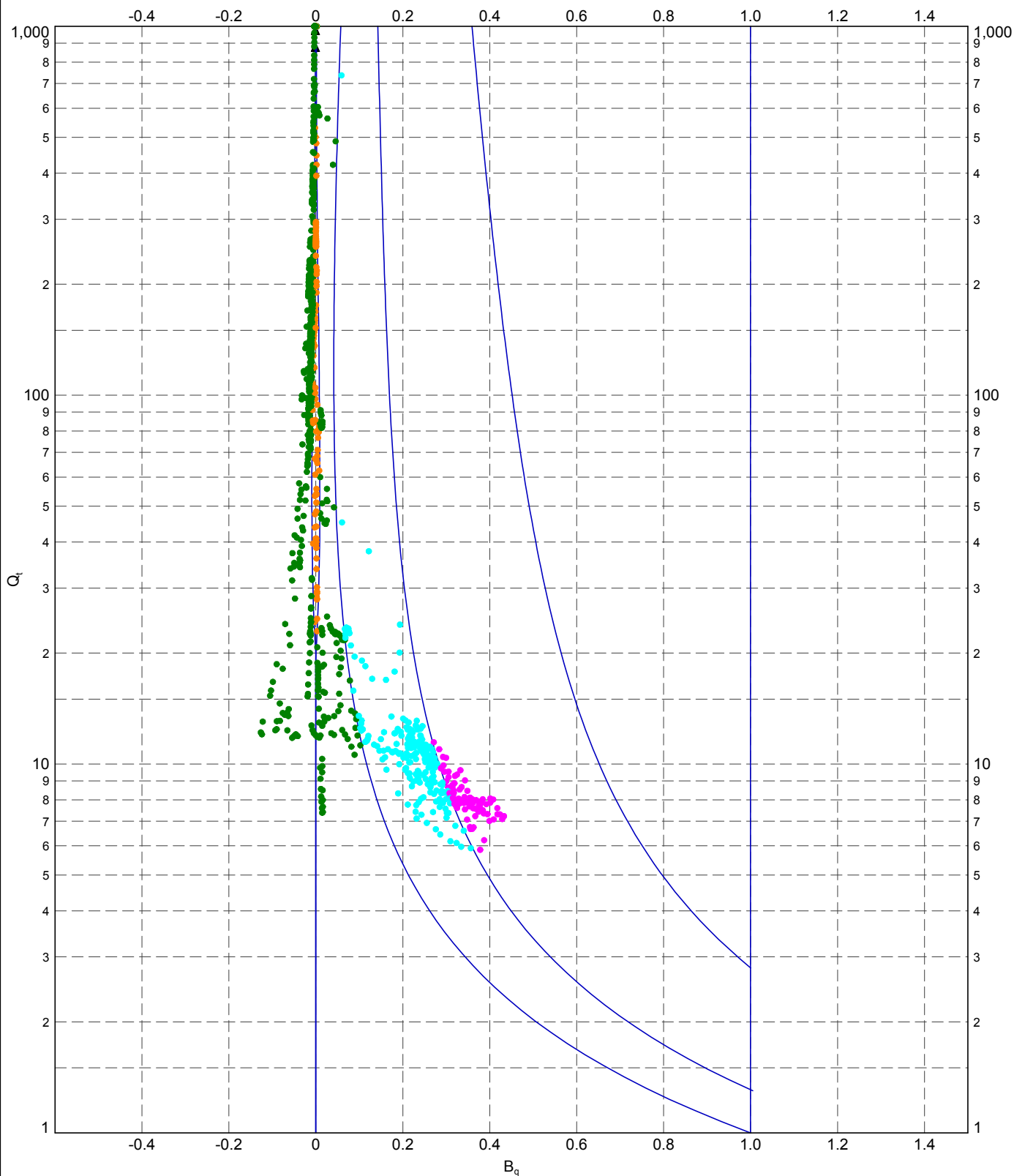


TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$

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CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	176

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 QT VS. BQ A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:57 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Schneider et al. 2008 Q_t vs. B_q - CPT 05

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27/03/2011

SCALE

Not To Scale

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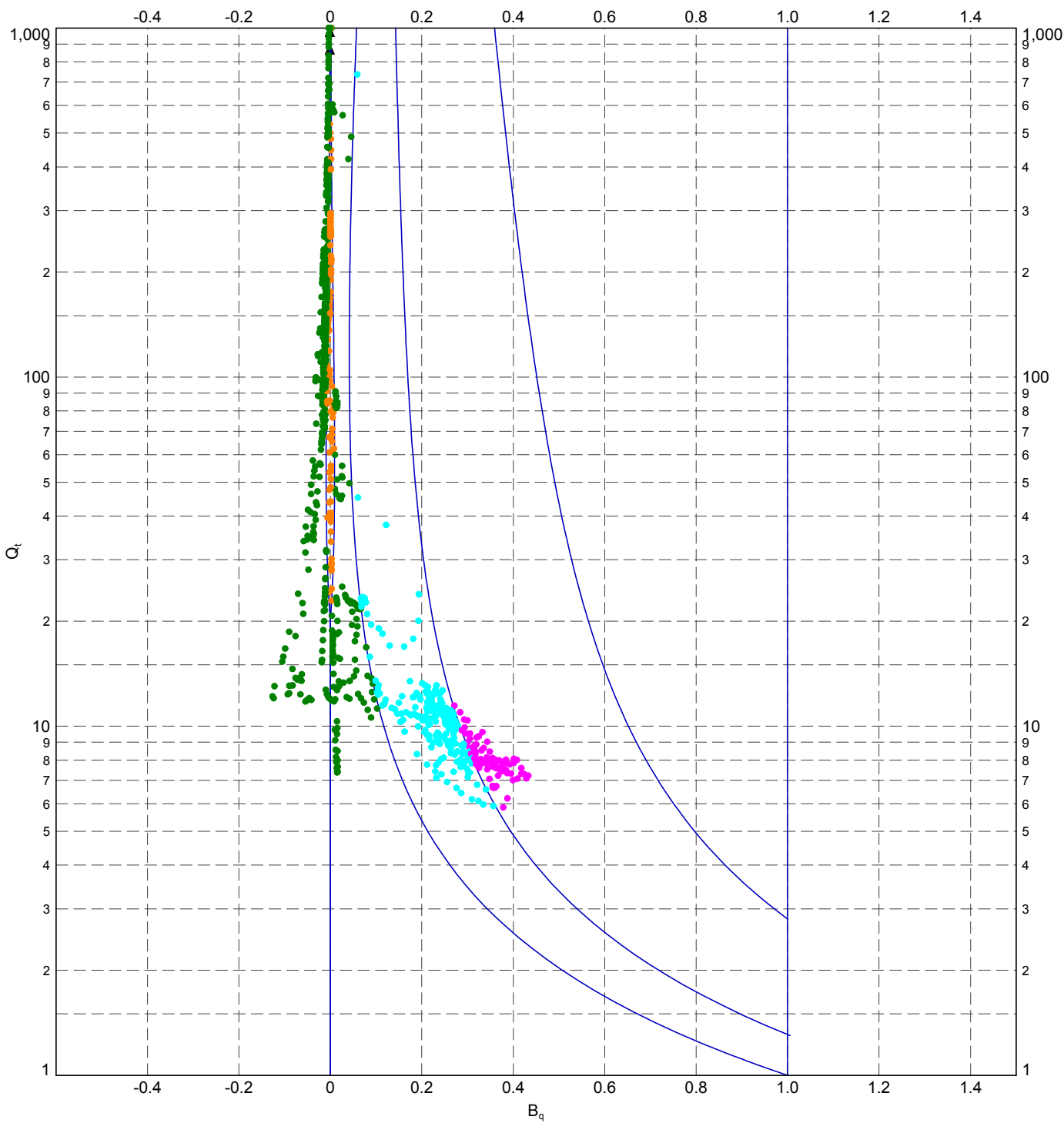
PROJECT No

2.15

FIGURE No

177

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 QT VS. BQ LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:58 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. B_q - CPT 05

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SCALE

Not To Scale

Let

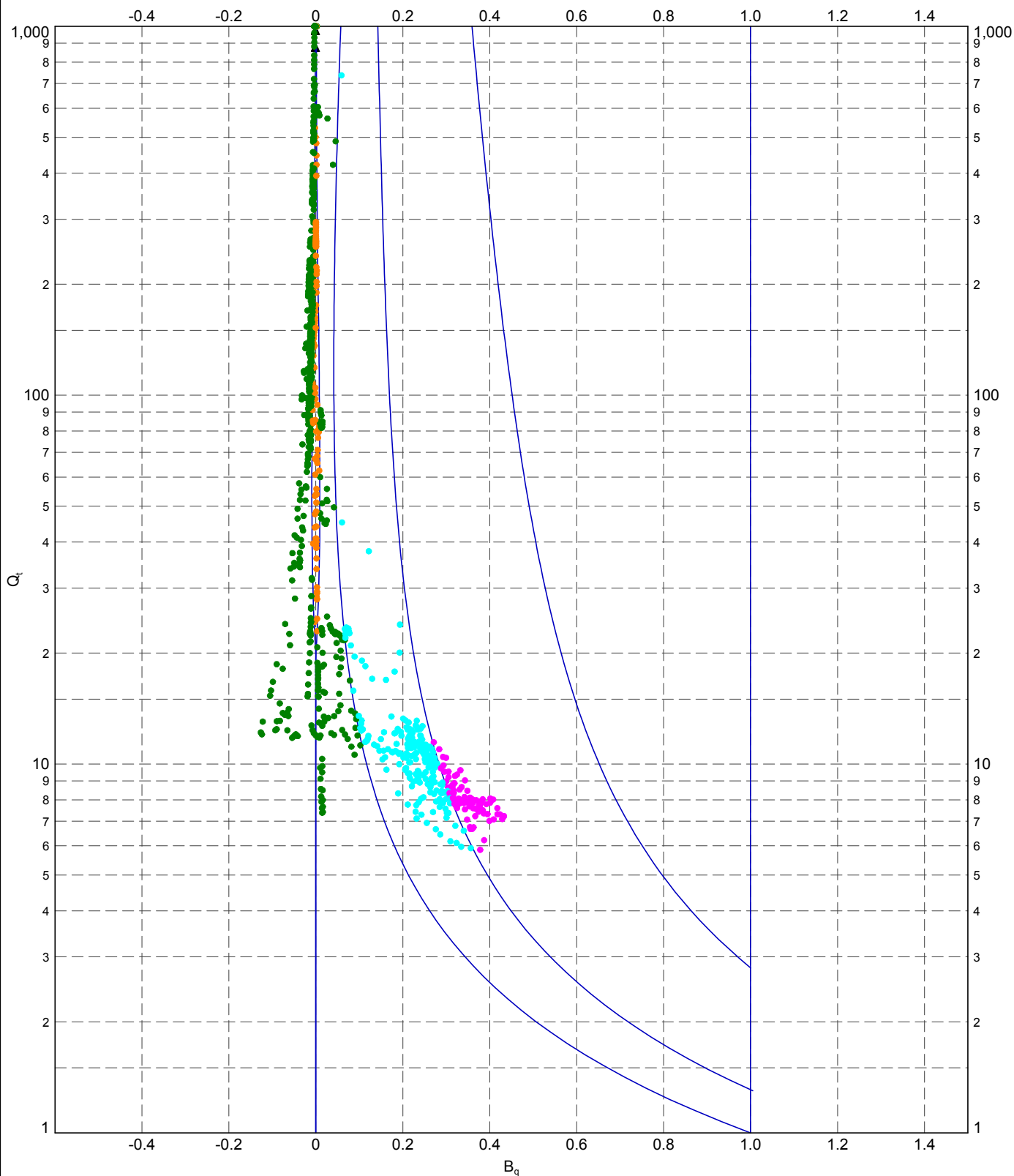
PROJECT No

2.15

FIGURE No

178

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 QT VS. BQ M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 15:59 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
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Schneider et al. 2008 Q_t vs. B_q

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DATE

27/03/2011

SCALE

Not To Scale

A4

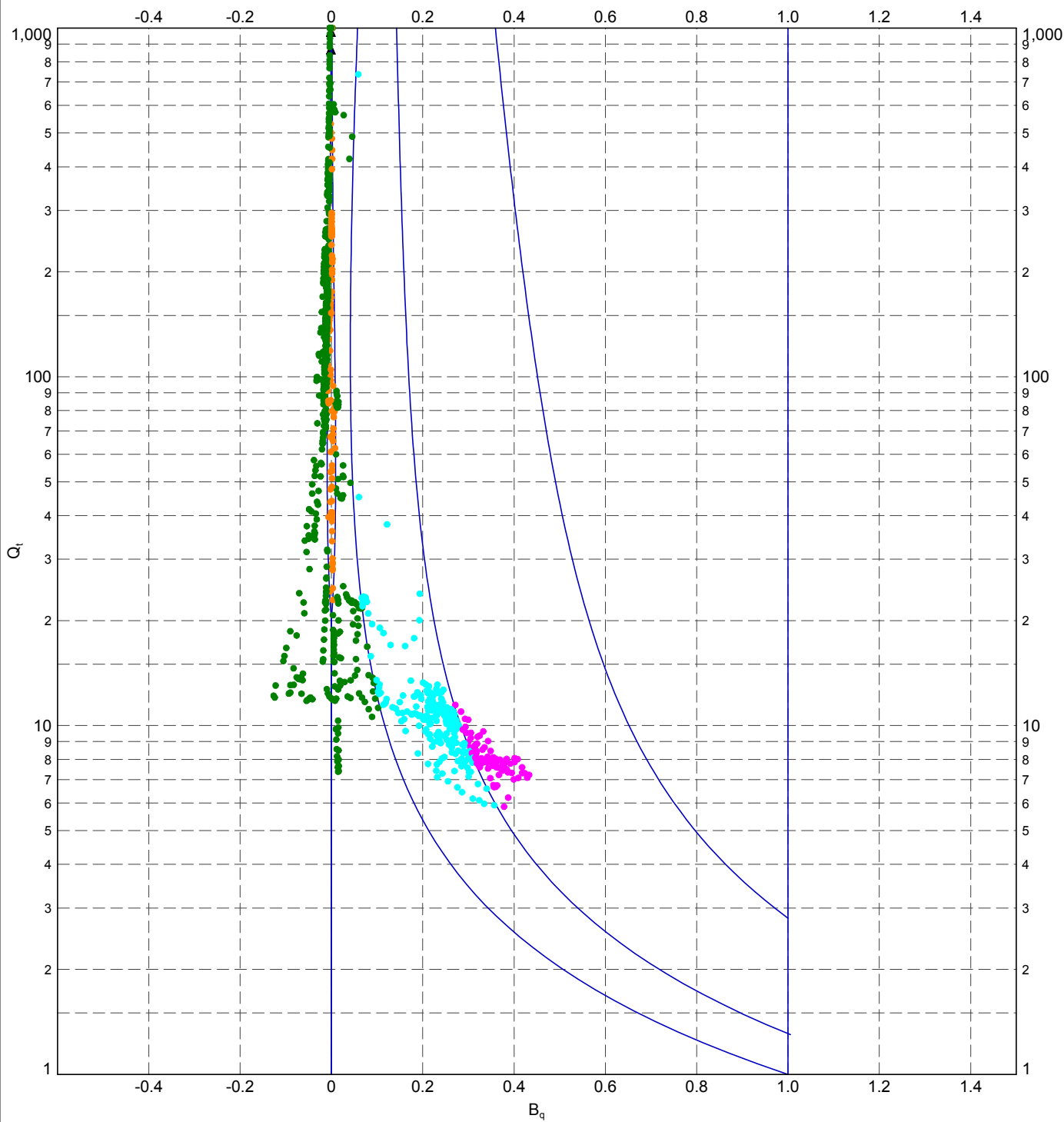
PROJECT No

2.15

FIGURE No

179

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT SCHNEIDER ET AL. 08 QT VS. BQ.M LETP.DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:00 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. B_q

DRAWN

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DATE

27/03/2011

SCALE

Not To Scale

Let

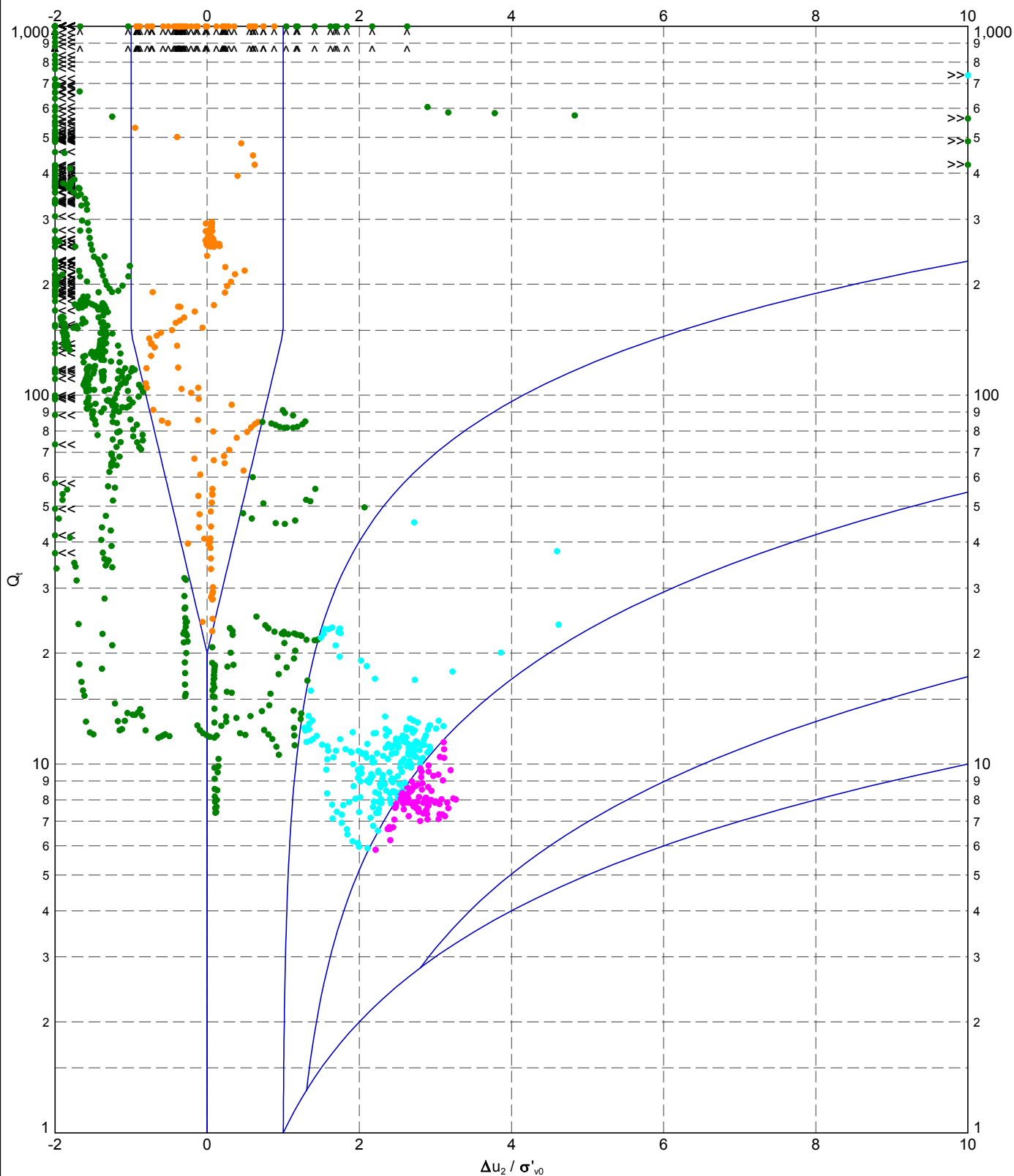
PROJECT No

2.15

FIGURE No

180

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 SEMI-LOG A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:00 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

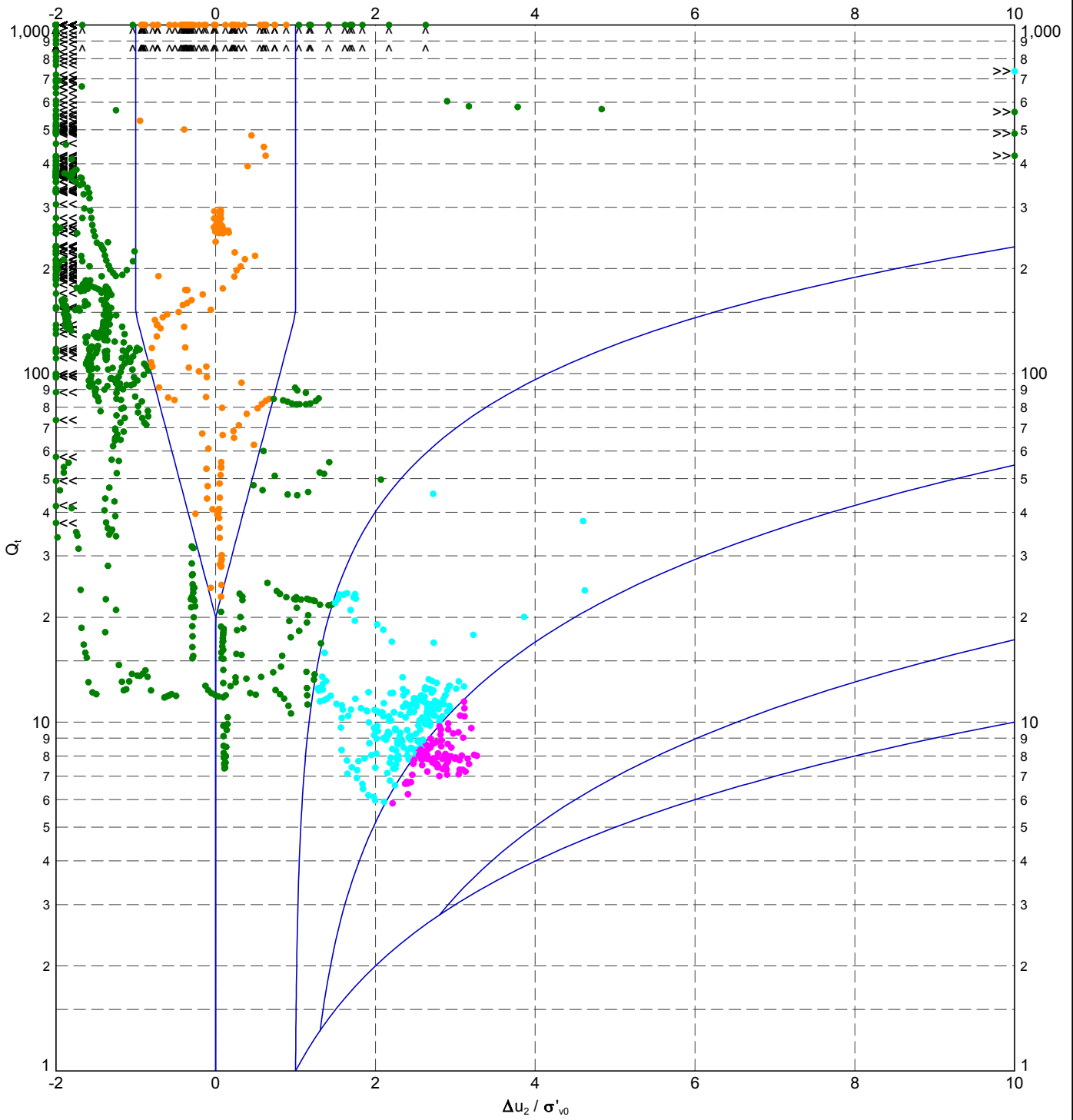
- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$ - CPT

DRAWN	PMW	DATE	27/03/2011
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SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	181

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT SCHNEIDER ET AL. 08 SEMI-LOG LETP-DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:01 8.30.002 Datgel CPT Tool gINT Add-In



METHOD: Schneider et al. 2008

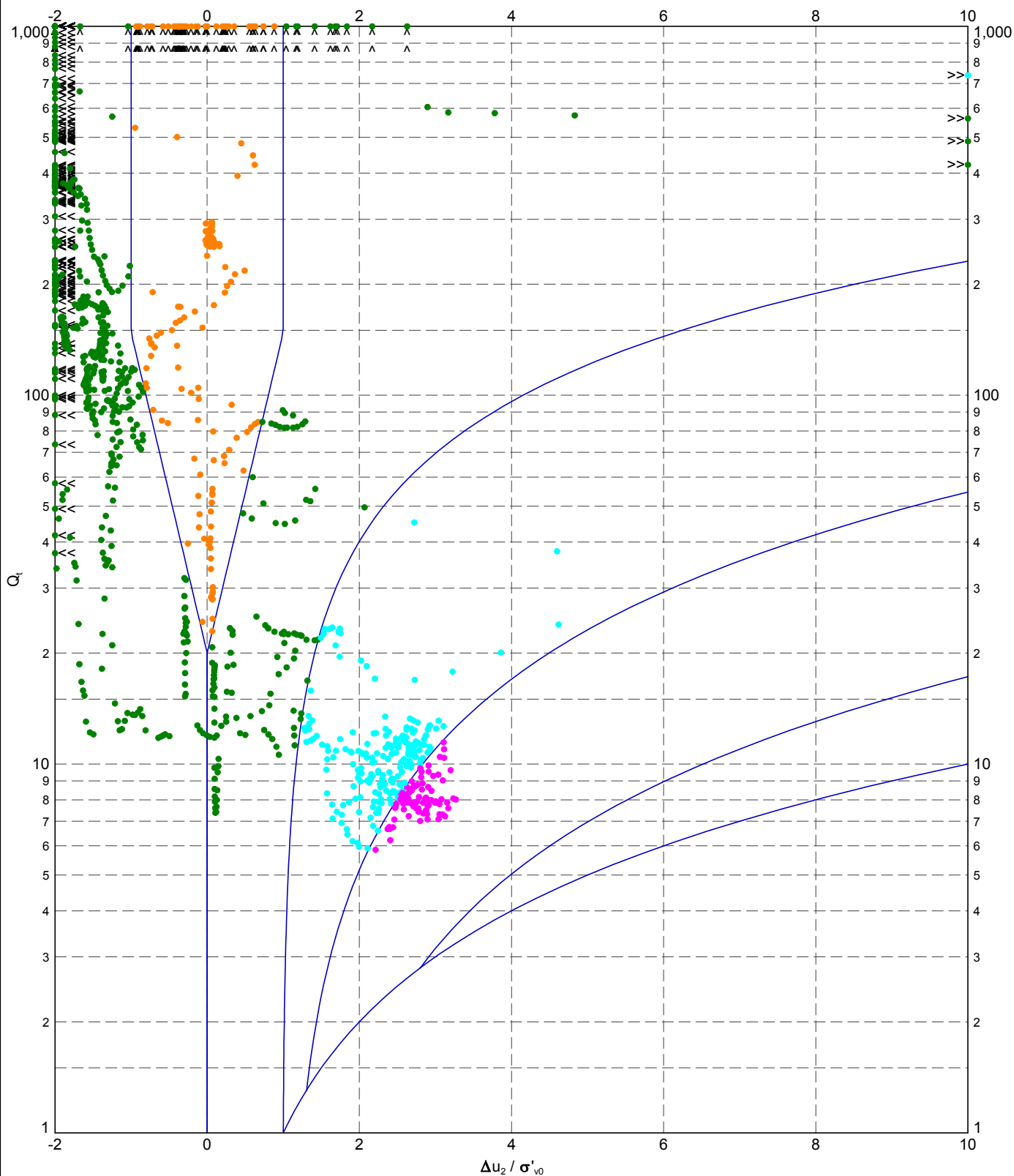
- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_i vs. $\Delta u_2 / \sigma'_{v0}$ - CPT

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	182

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SCHNEIDER ET AL. 08 SEMI-LOG M A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:02 8.30.002 Datgel CPT Tool.gINT Add-in



METHOD: Schneider et al. 2008

- 1a - Silts and 'Low Ir' CLAYS
- 1b - CLAYS
- 1c - Sensitive CLAYS
- 2 - Essentially drained SANDS
- 3 - Transitional soils



TITLE

CPT Client
ABC Engineering
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CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$

DRAWN

PMW

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27/03/2011

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PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

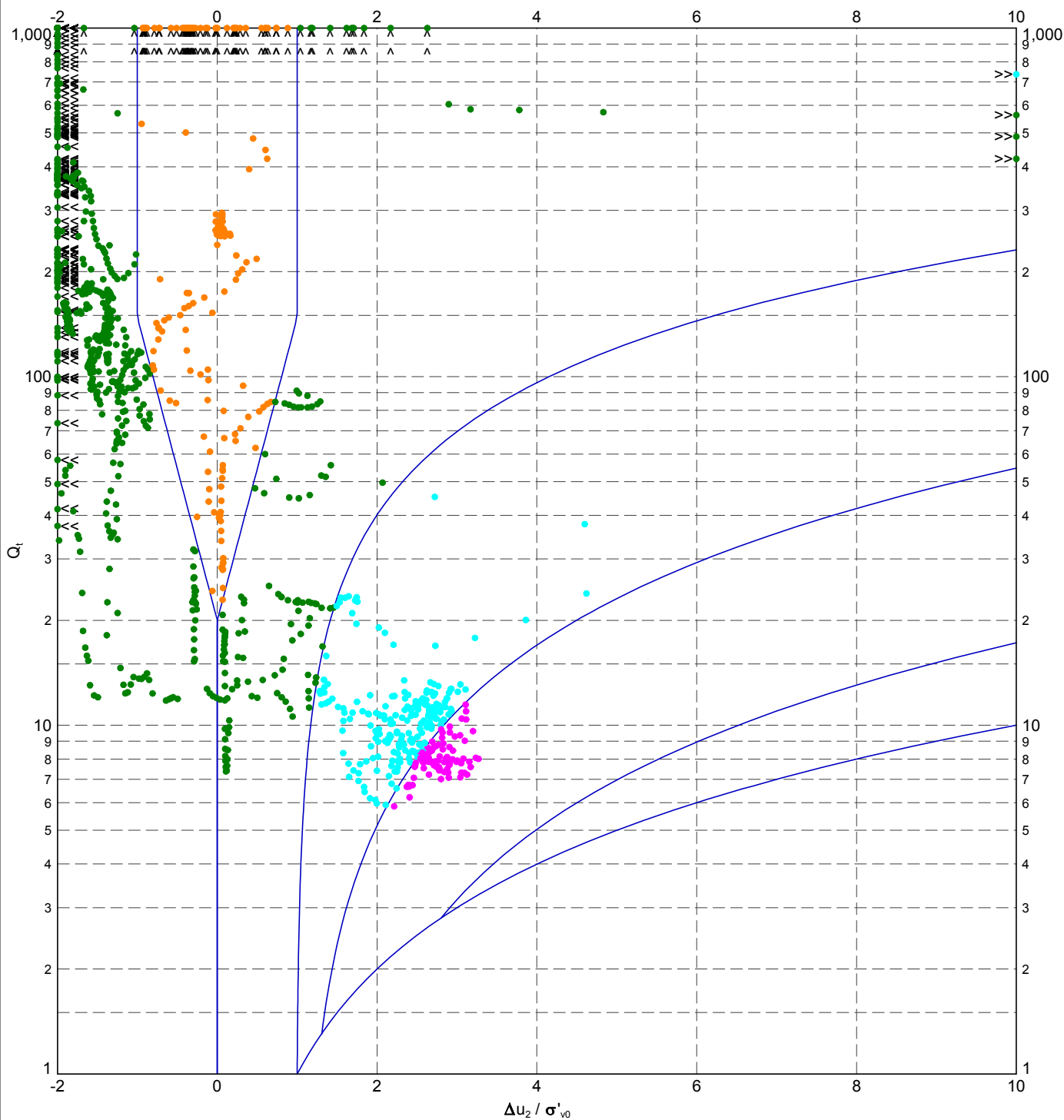
PROJECT No

2.15

FIGURE No

183

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SCHNEIDER ET AL. 08 SEMI-LOG M LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:02 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Schneider et al. 2008

- | | |
|-------------------------------|-------------------------------|
| 1a - Silts and 'Low Ir' CLAYS | 2 - Essentially drained SANDS |
| 1b - CLAYS | 3 - Transitional soils |
| 1c - Sensitive CLAYS | |



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Schneider et al. 2008 Q_t vs. $\Delta u_2 / \sigma'_{v0}$

DRAWN

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DATE

27/03/2011

SCALE

Not To Scale

Let

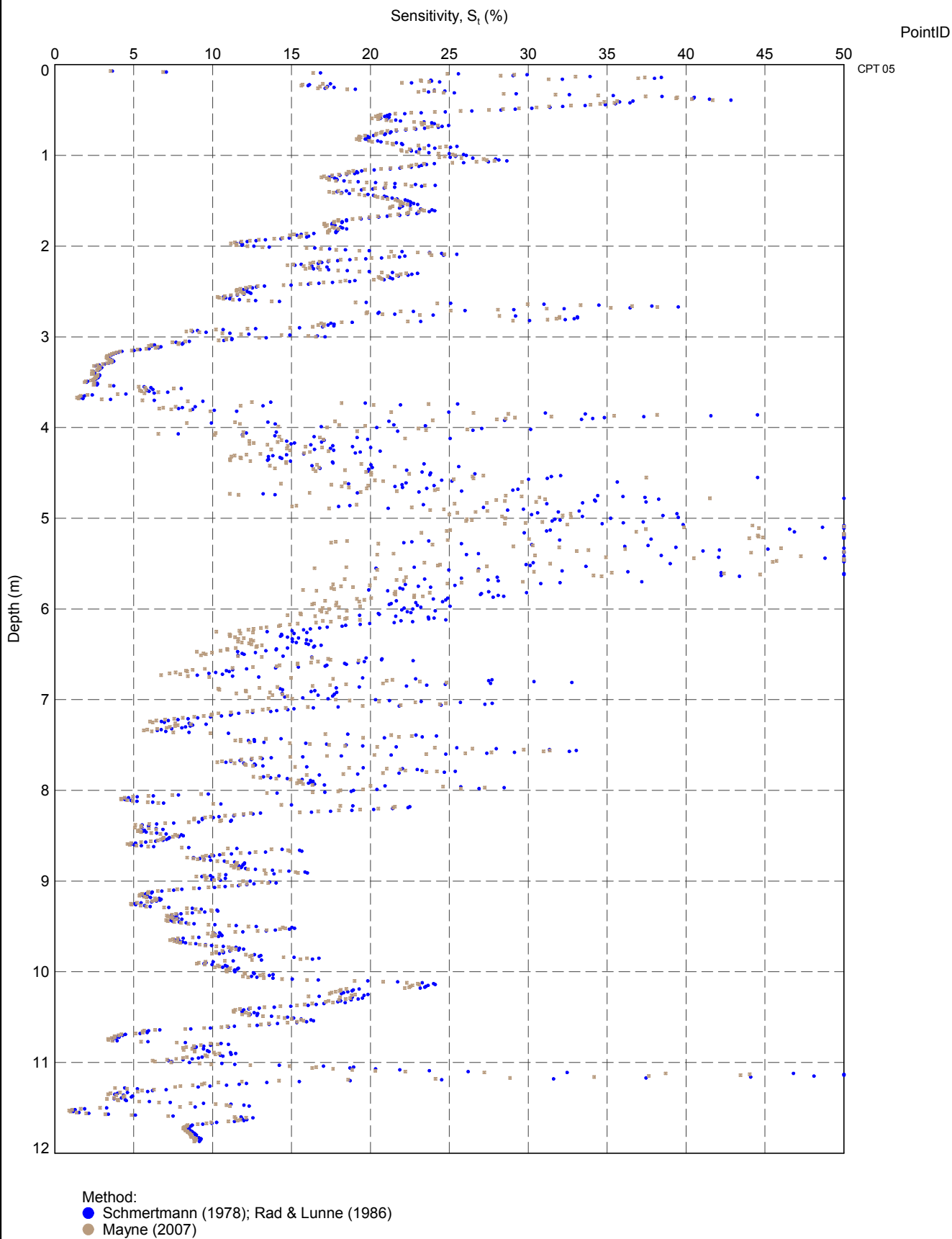
PROJECT No

2.15

FIGURE No

184

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SENSITIVITY DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:05 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Sensitivity versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

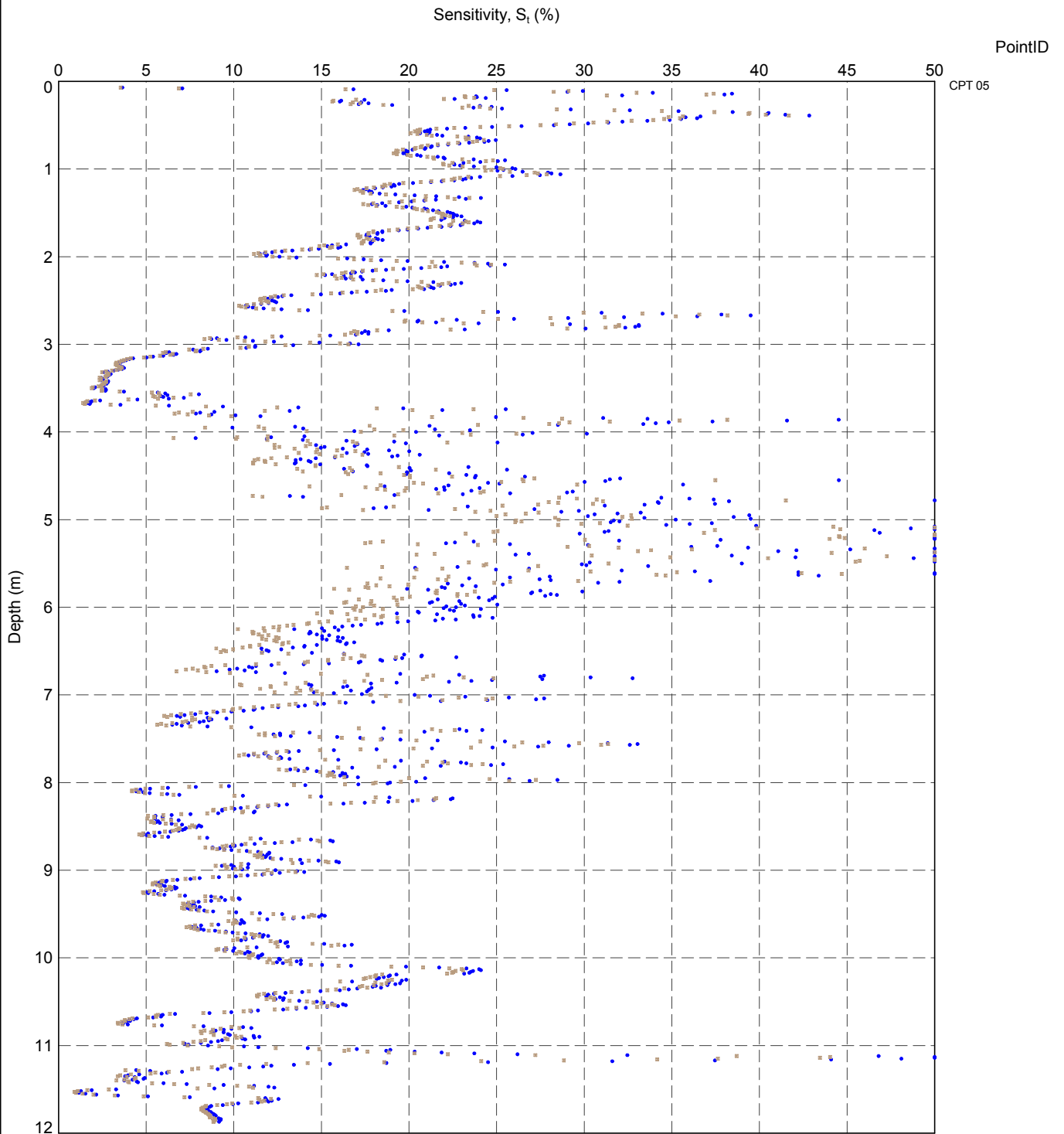
PROJECT No

2.15

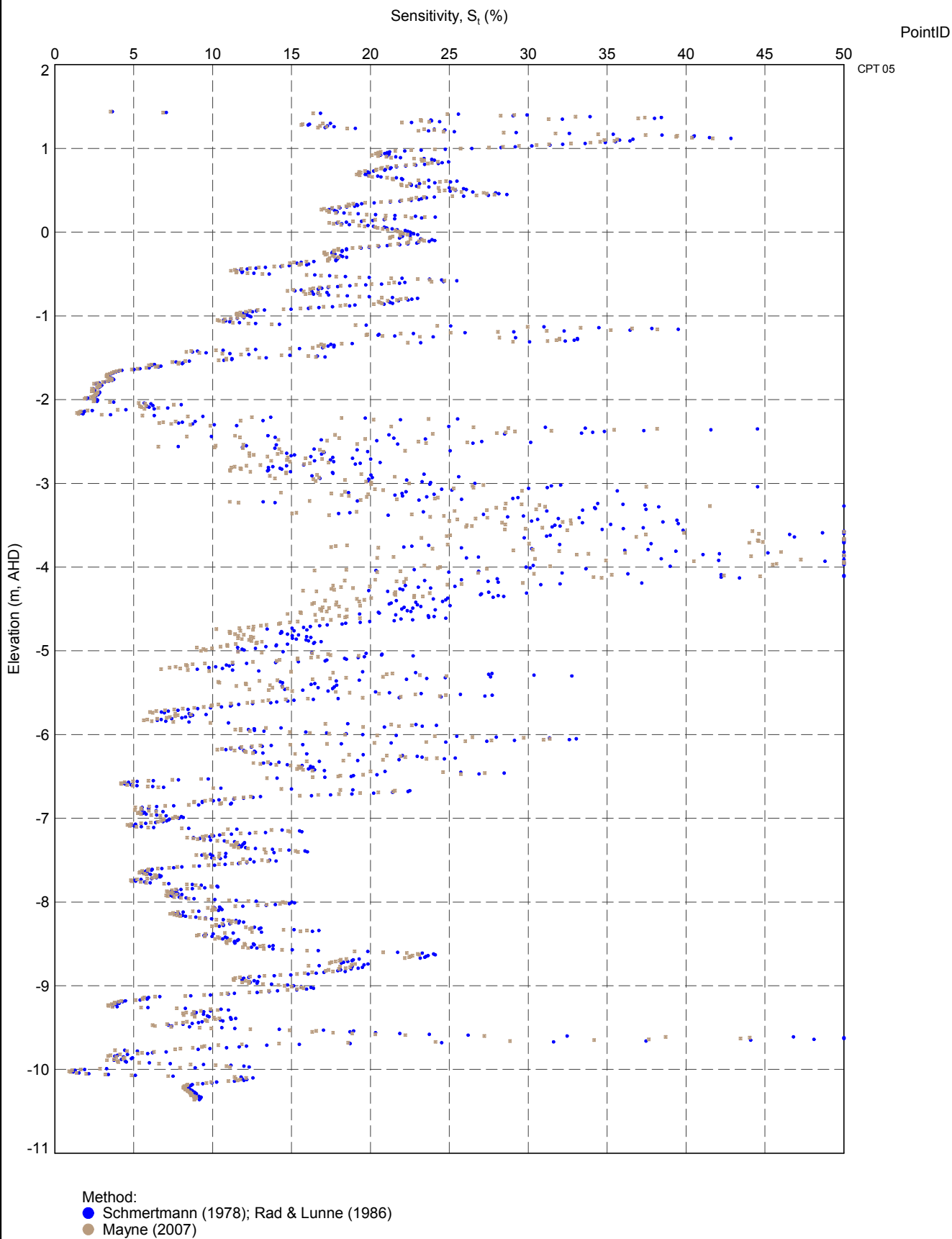
FIGURE No

185

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SENSITIVITY DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:07 8.30.002 Datgel CPT Tool gINT Add-In



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SENSITIVITY RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:10 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Sensitivity versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

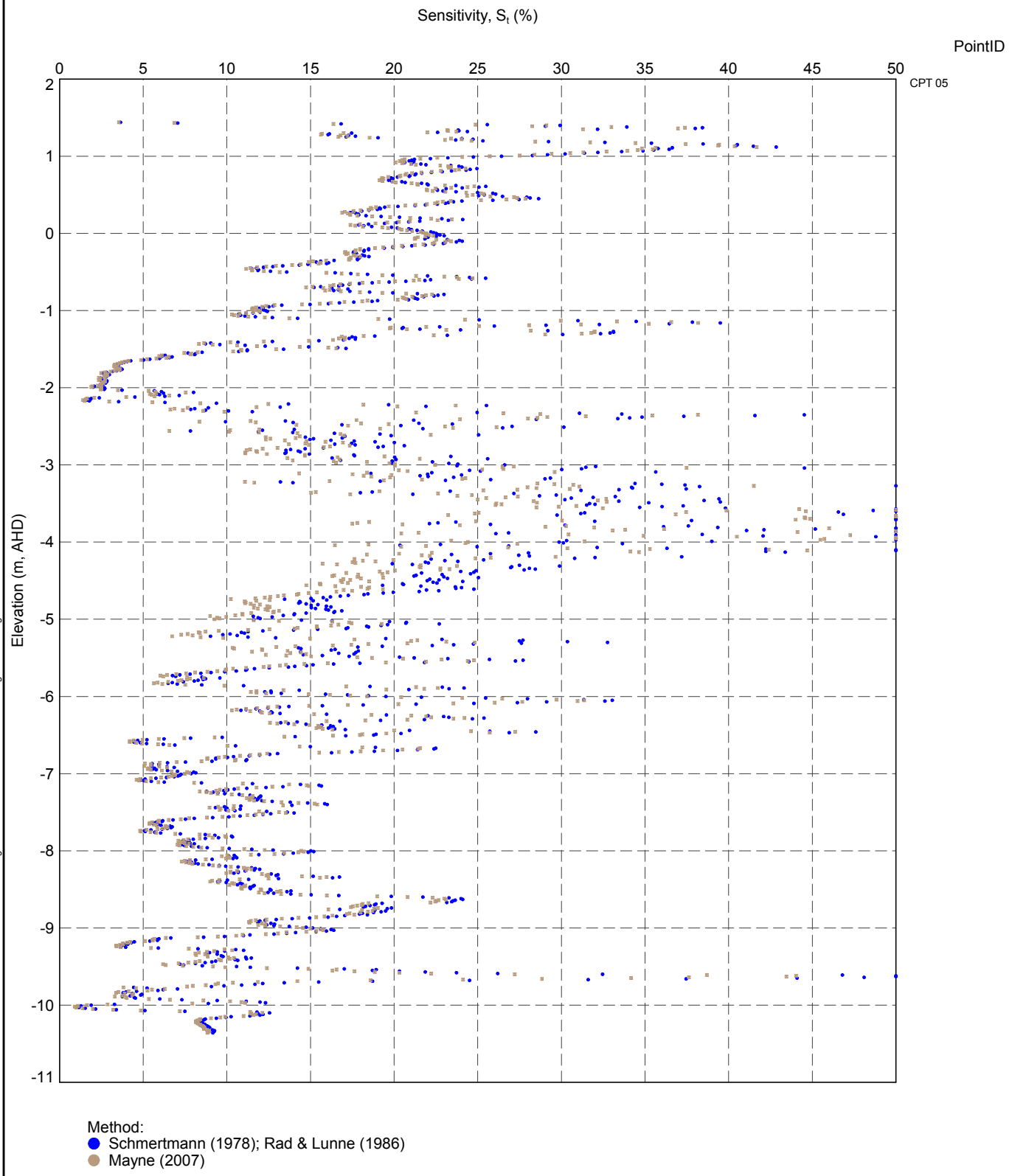
PROJECT No


2.15

FIGURE No

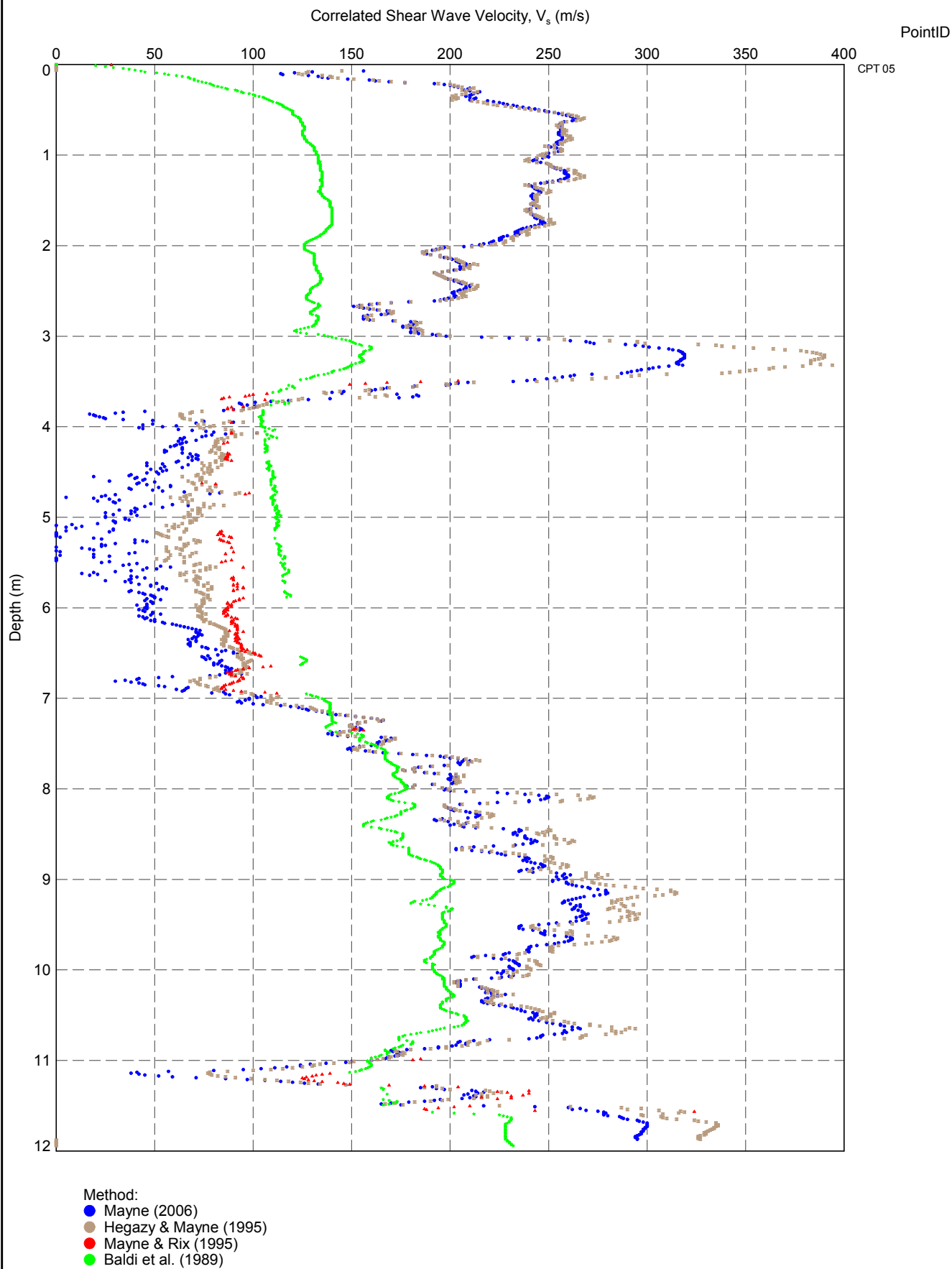
187

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SENSITIVITY RL LEIP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:12 8.30.002 Datgel CPT Tool gINT Add-in



 Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Sensitivity versus Elevation	DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	
		PROJECT No 2.15	FIGURE No 188
		Let	

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SHEAR WAVE VELOCITY DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:15 8.30.002 Datgel CPT Tool glNT Add-In



TITLE

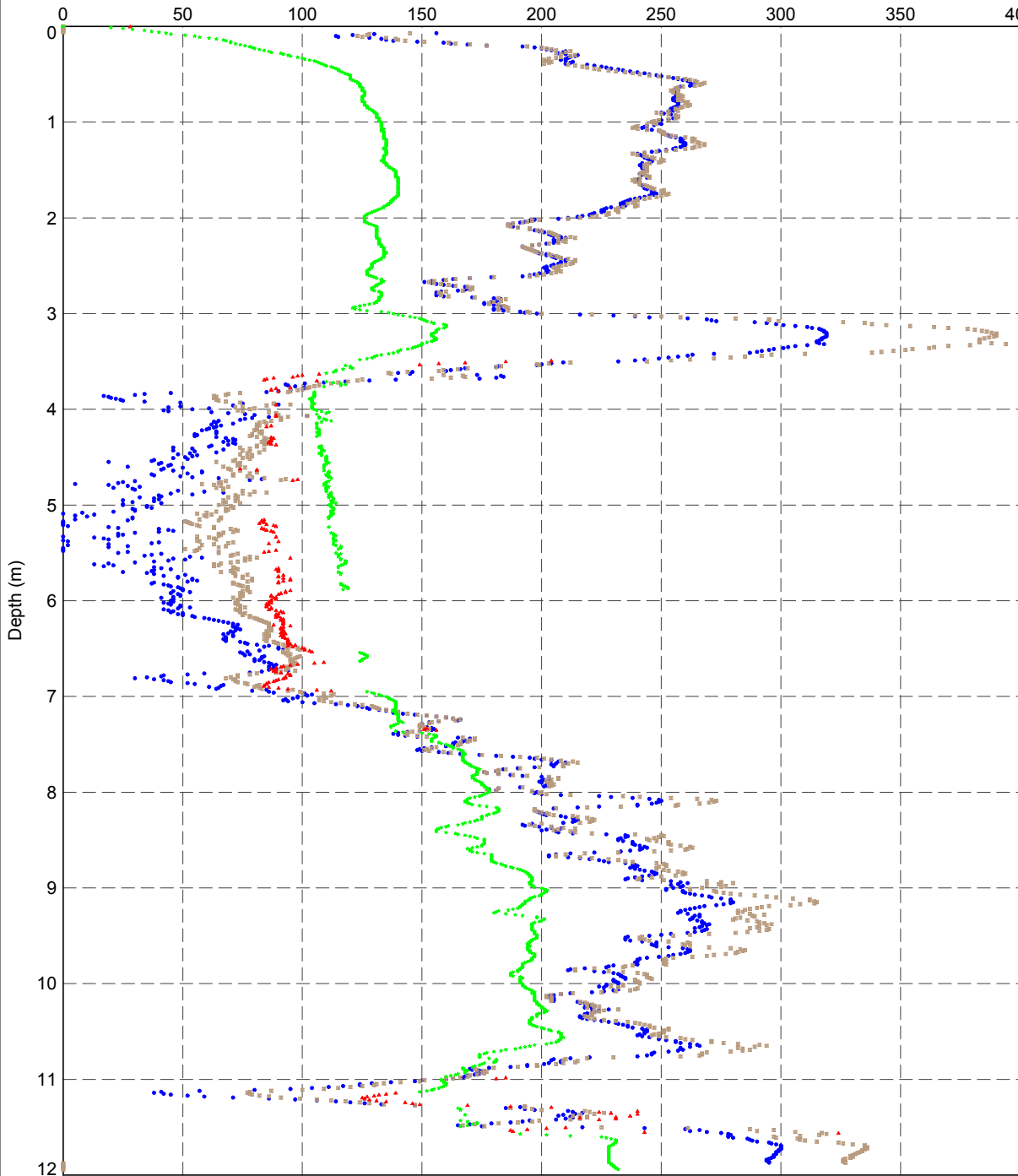
CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Shear Wave Velocity versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	189

Correlated Shear Wave Velocity, V_s (m/s)

PointID

CPT 05



Method:

- Mayne (2006)
- Hegazy & Mayne (1995)
- Mayne & Rix (1995)
- Baldi et al. (1989)



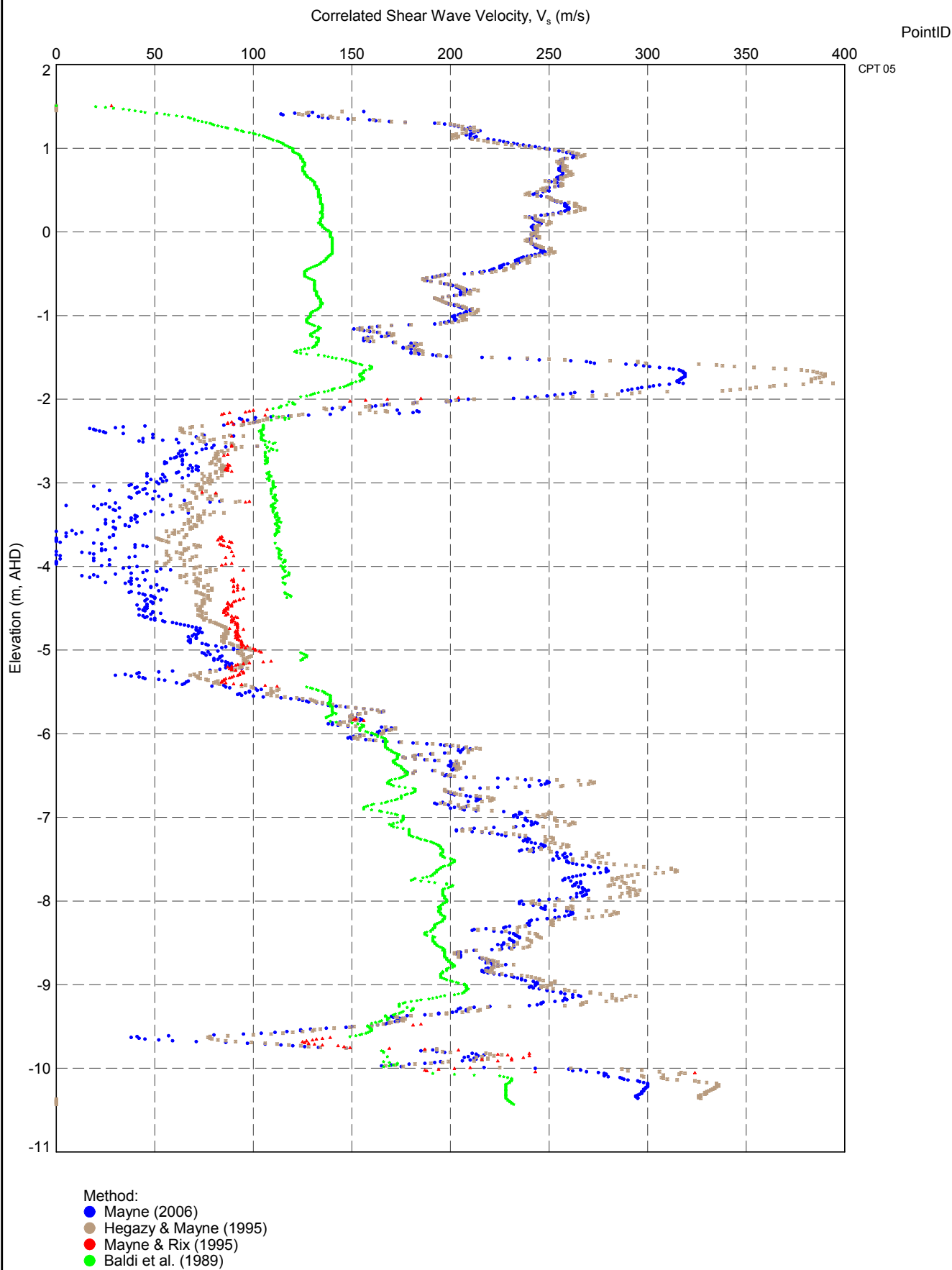
TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Shear Wave Velocity versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	190

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SHEAR WAVE VELOCITY DEPTH LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:17 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SHEAR WAVE VELOCITY RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:20 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Shear Wave Velocity versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

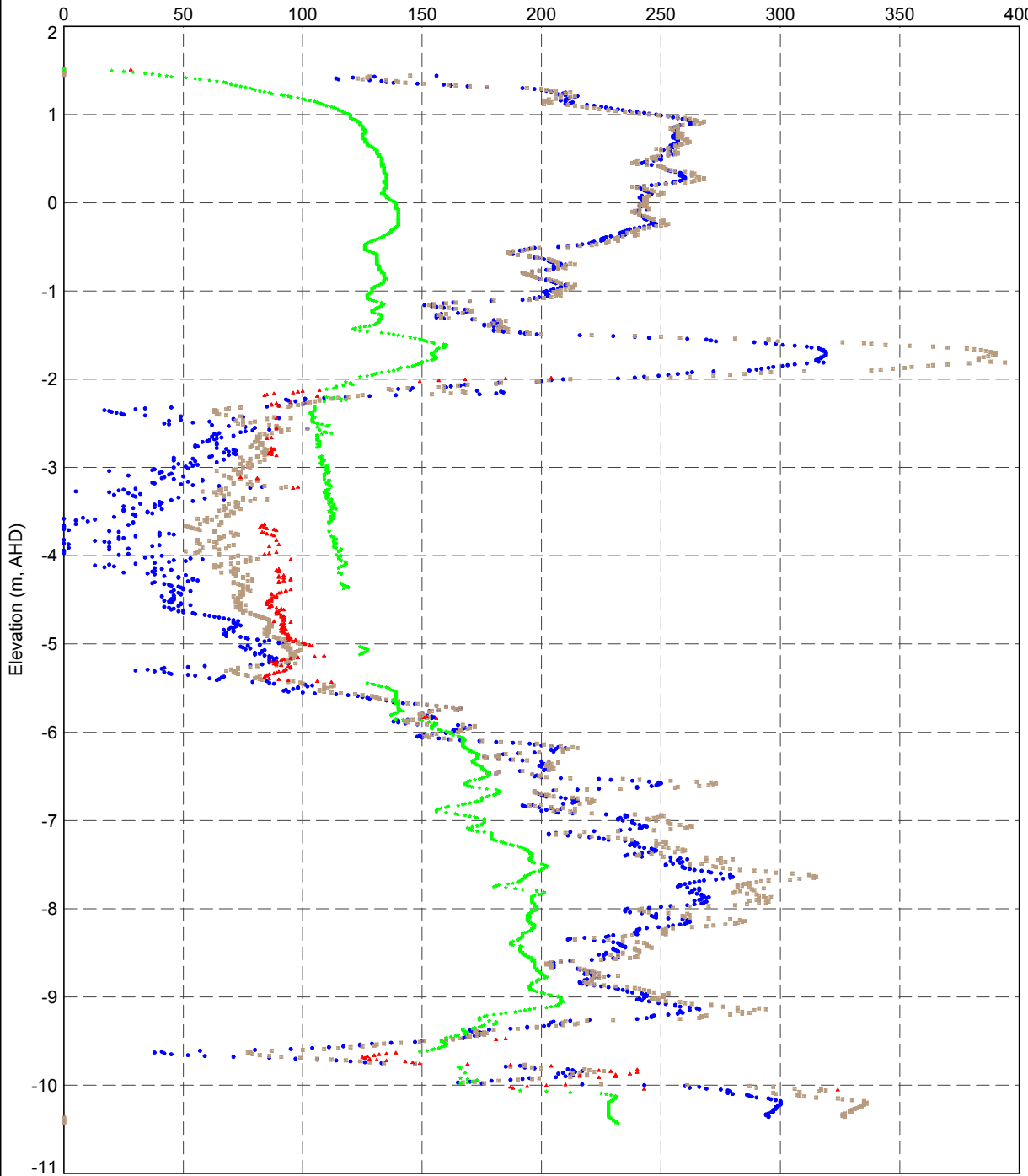
FIGURE No

191

Correlated Shear Wave Velocity, V_s (m/s)

PointID

CPT 05



Method:

- Mayne (2006)
- Hegazy & Mayne (1995)
- Mayne & Rix (1995)
- Baldi et al. (1989)



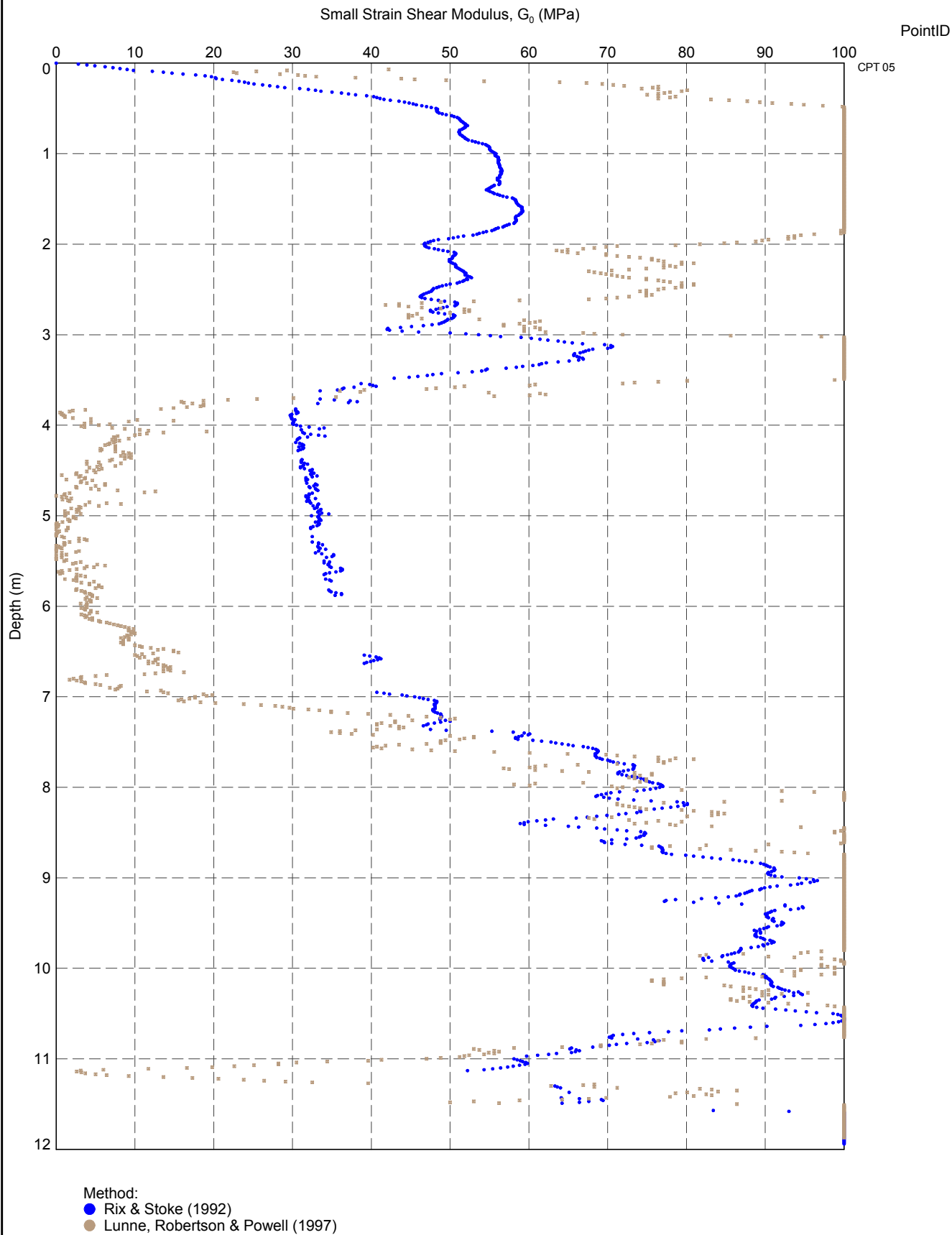
TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Shear Wave Velocity versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	192

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SHEAR WAVE VELOCITY RL LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:23 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SMALL STRAIN SHEAR MOD DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:25 8:30.002 Datgel CPT Tool gINT Add-in



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Small Strain Shear Modulus versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

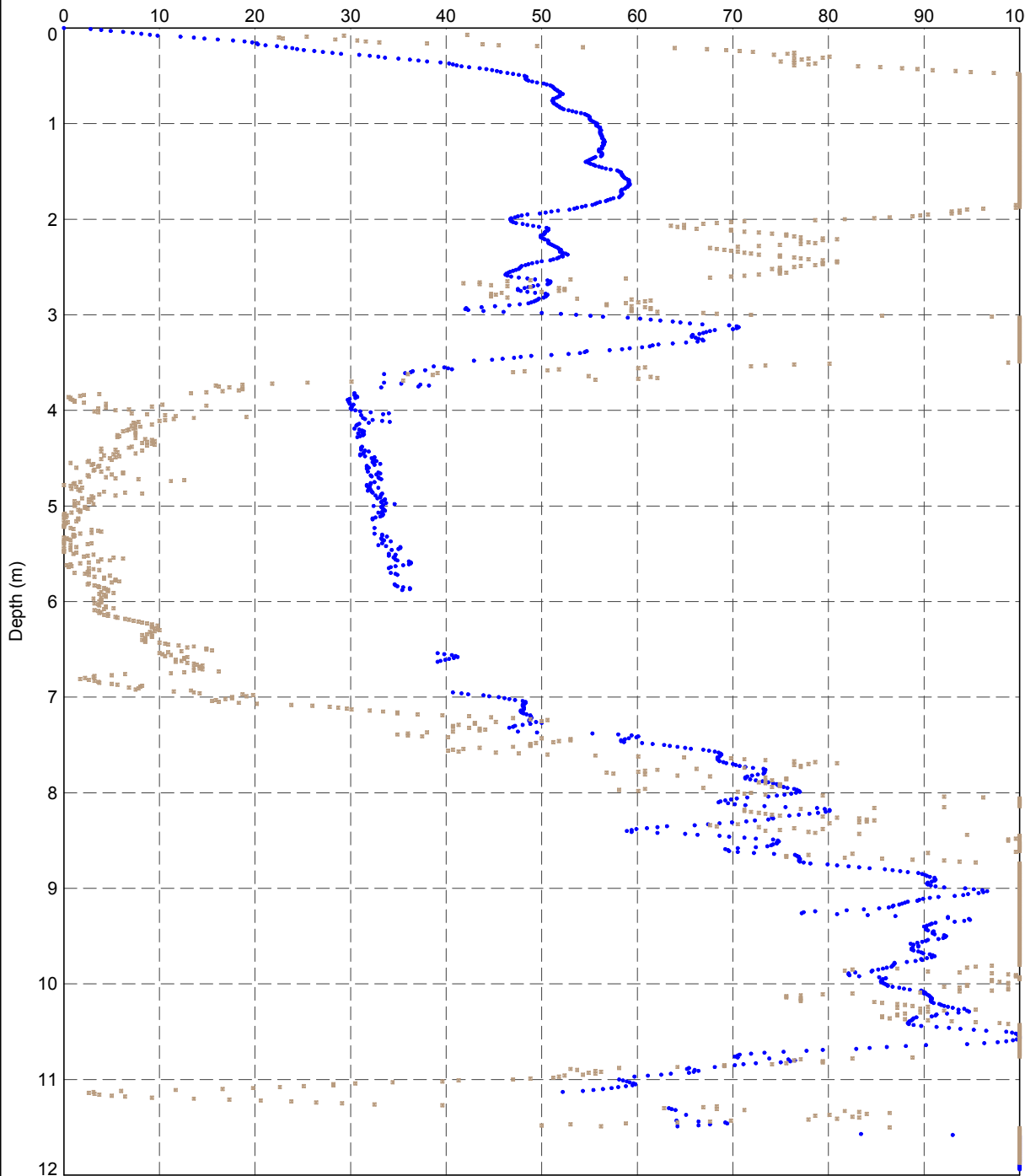
FIGURE No

193

Small Strain Shear Modulus, G_0 (MPa)

PointID

CPT 05



Method:

● Rix & Stoke (1992)

● Lunne, Robertson & Powell (1997)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Small Strain Shear Modulus versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

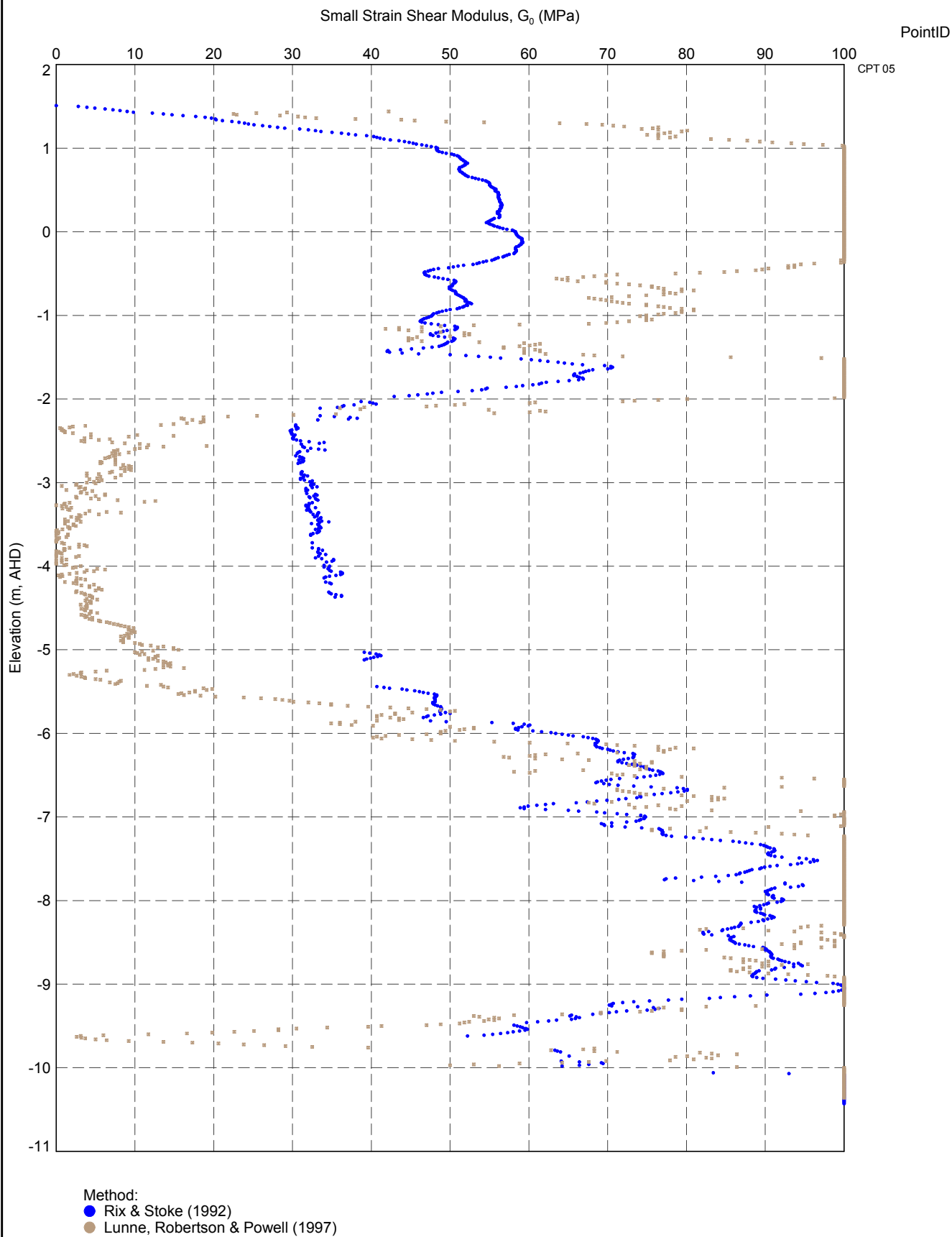
PROJECT No

2.15

FIGURE No

194

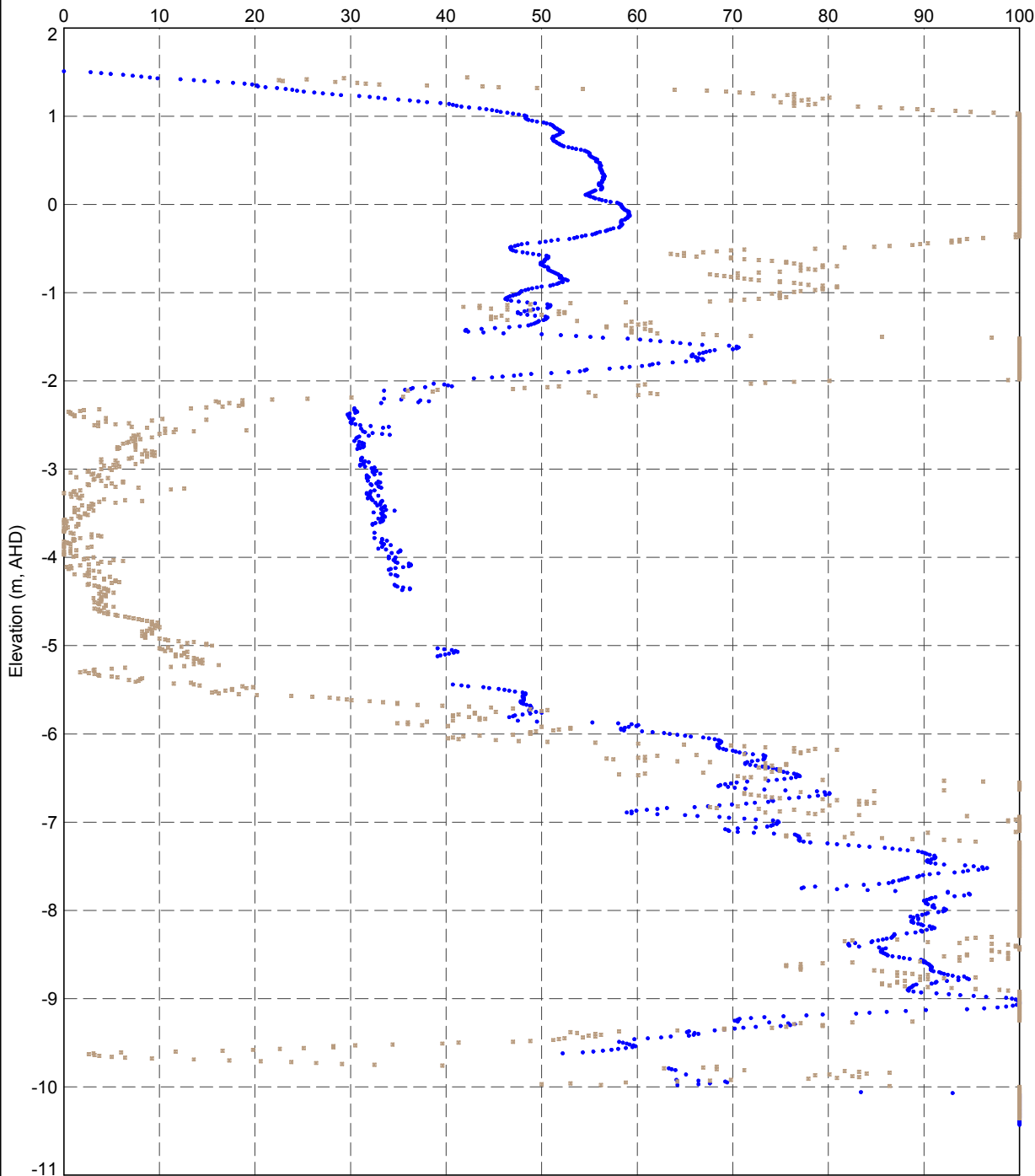
DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SMALL STRAIN SHEAR MODULUS RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:30 8 30 002 Datgel CPT Tool gINT Add-In



Small Strain Shear Modulus, G_0 (MPa)

PointID

CPT 05



Method:

- Rix & Stoke (1992)
- Lunne, Robertson & Powell (1997)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project

Small Strain Shear Modulus versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

PROJECT No

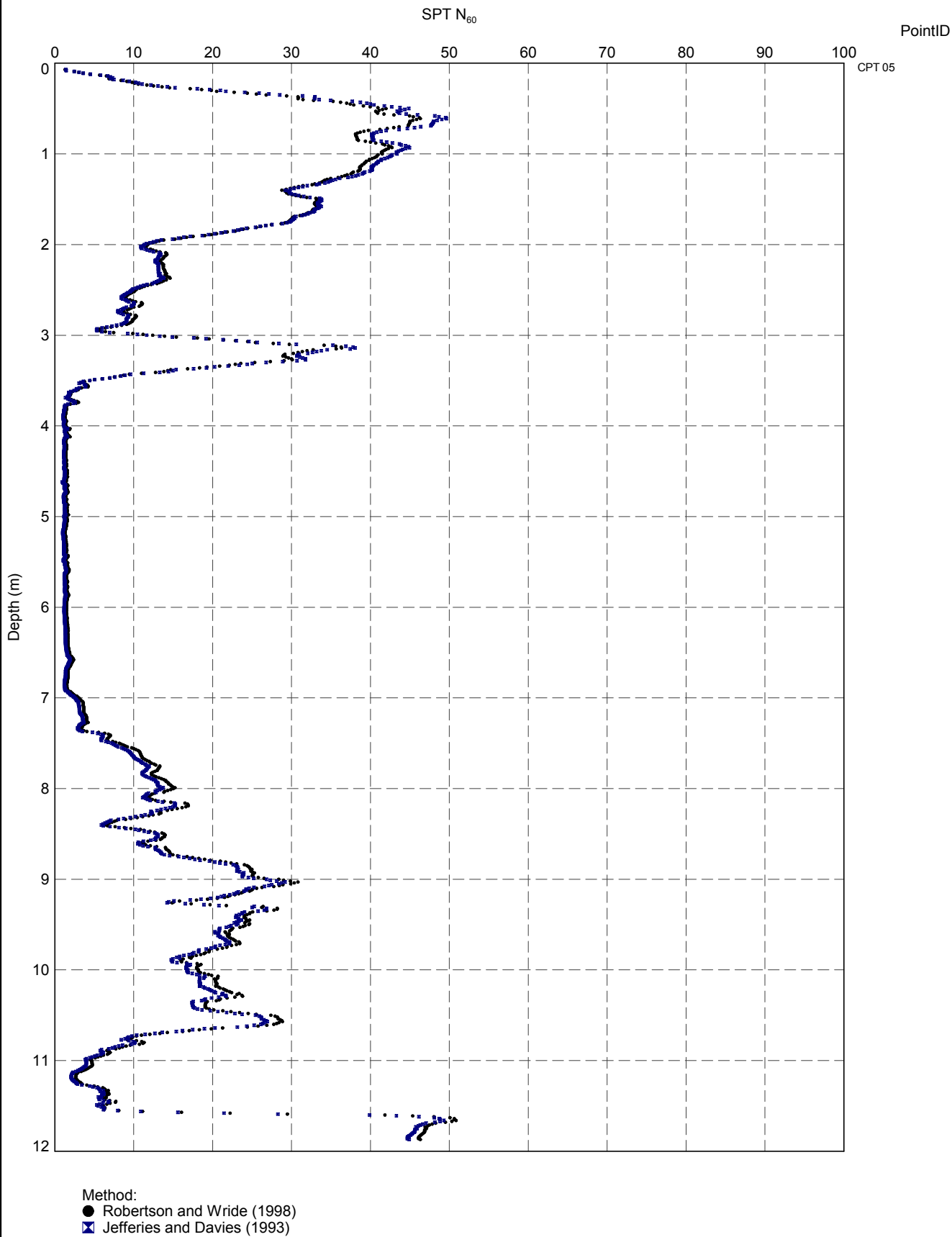
2.15

FIGURE No

196

DATGEL CPT TOOL DGD LIB 2.15 GLEB Graph CPT SMALL STRAIN SHEAR MODULUS RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:32 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SPT N60 Depth A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:35 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
SPT N60 versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

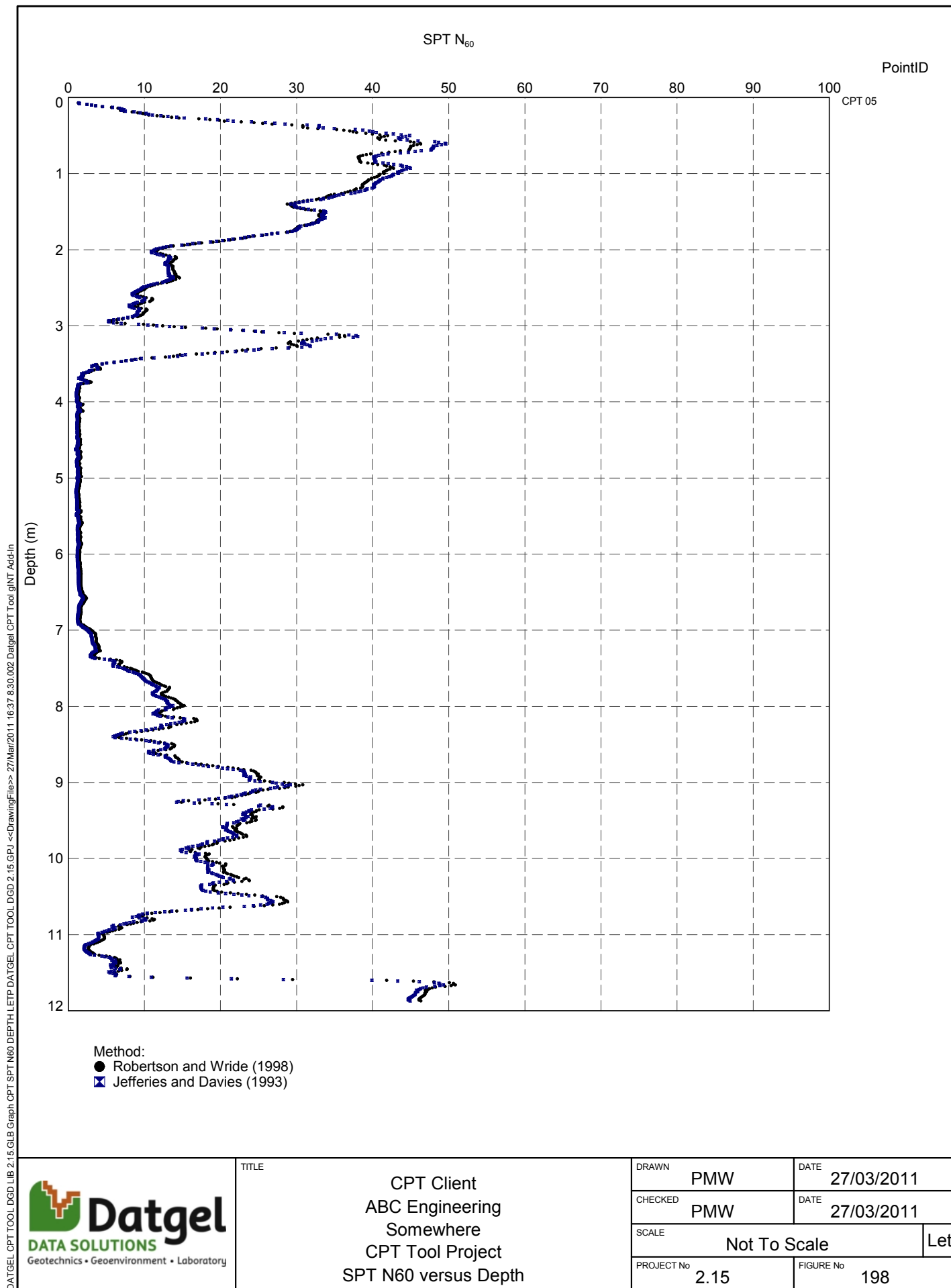
A4

PROJECT No

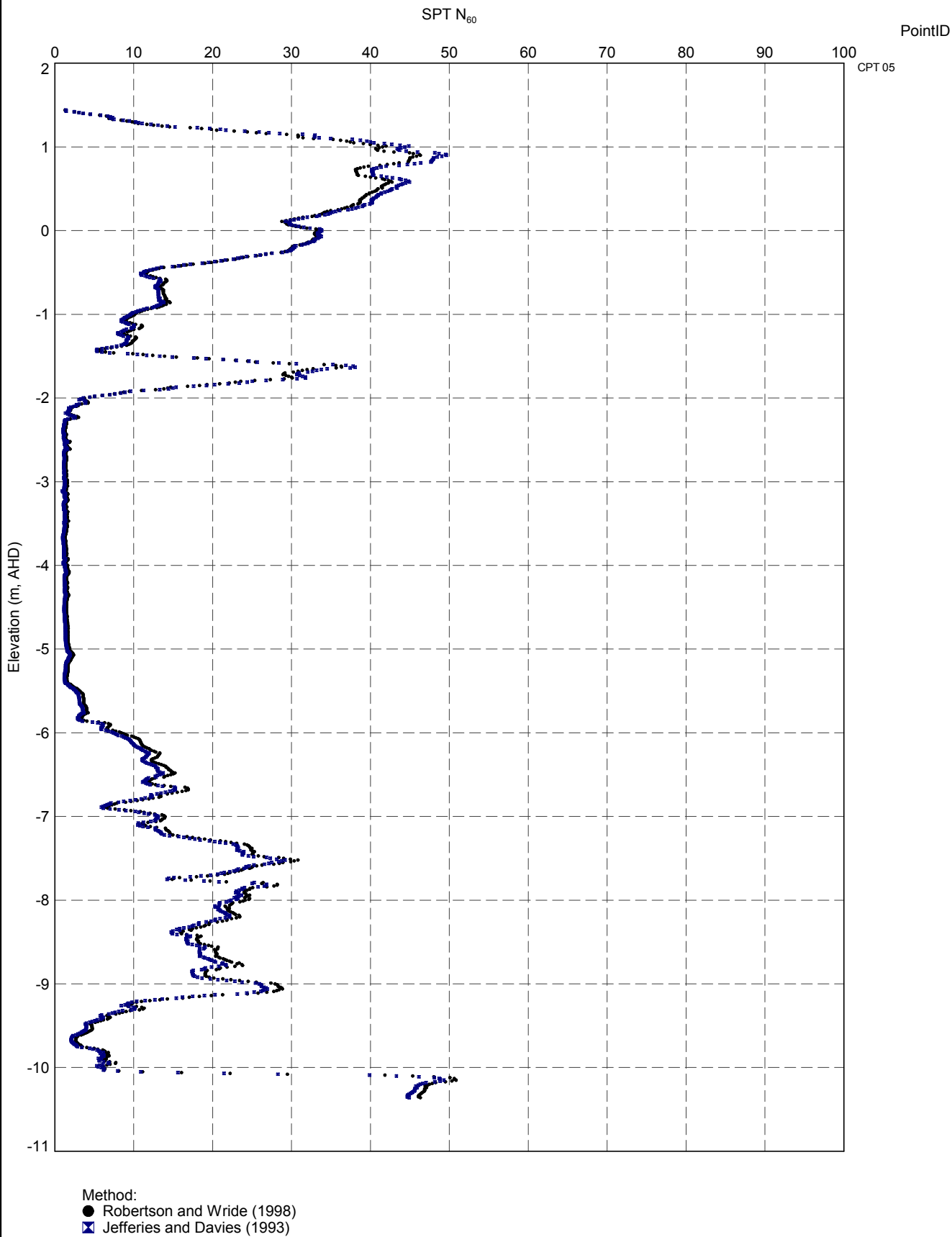
2.15

FIGURE No

197



DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SPT N60 RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:40 8 30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
SPT N60 versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

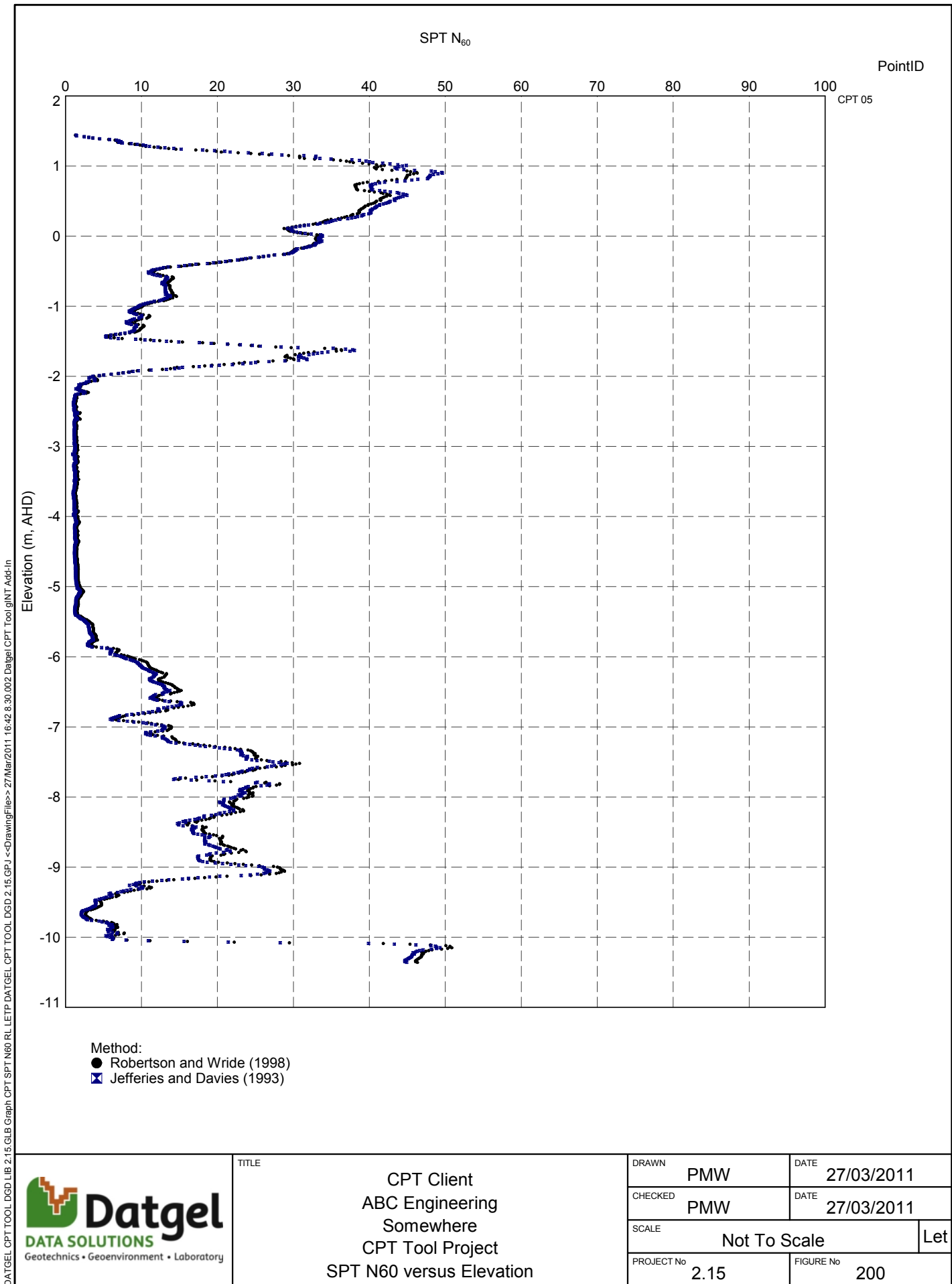
A4

PROJECT No

2.15

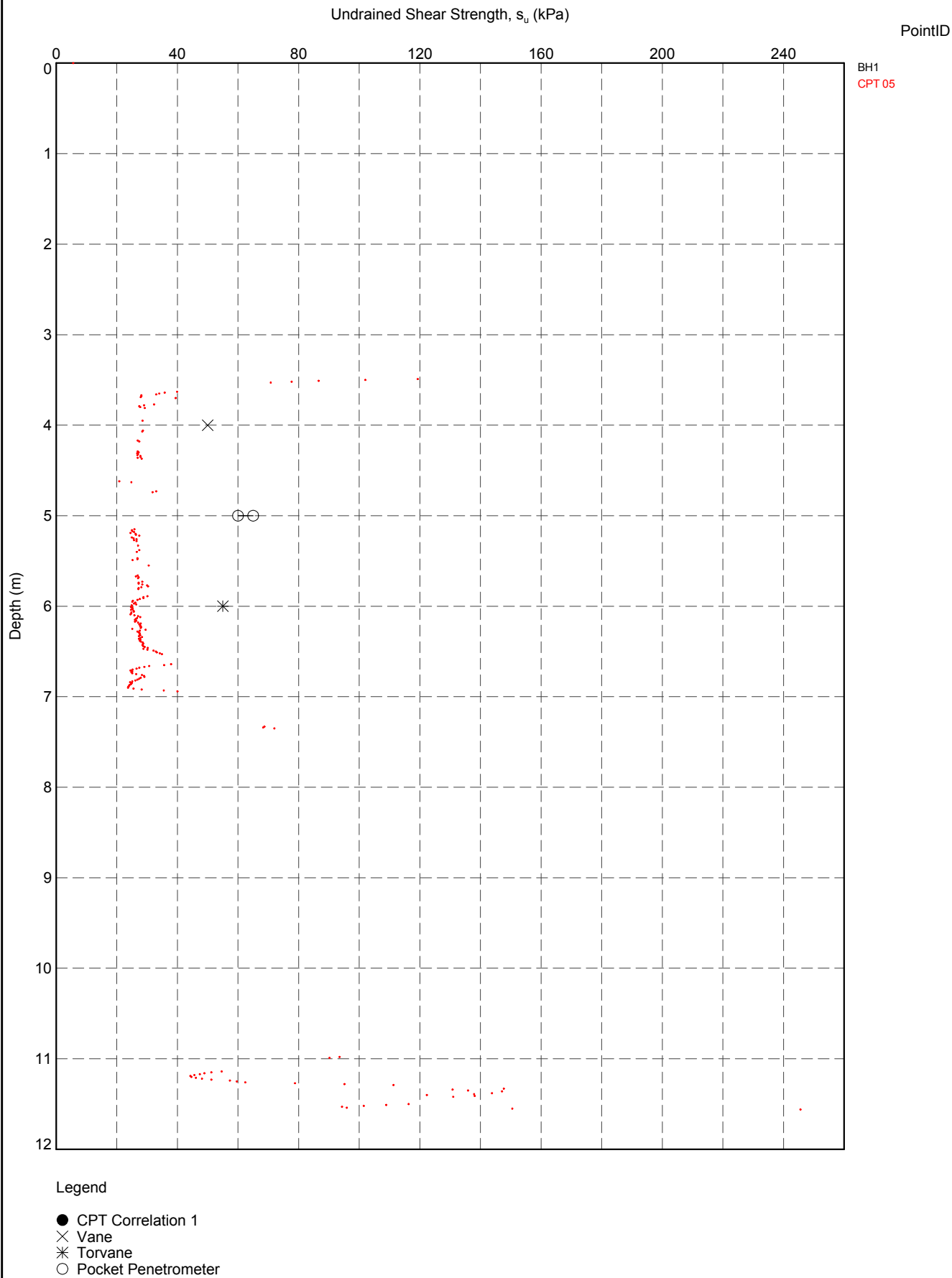
FIGURE No

199



TITLE	CPT Client		DRAWN	PMW	DATE	27/03/2011
	ABC Engineering		CHECKED	PMW	DATE	27/03/2011
	Somewhere		SCALE			Not To Scale
	CPT Tool Project		Let			
SPT N60 versus Elevation		PROJECT No	2.15	FIGURE No	200	

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT SU VS DEPTH VANE TV PP A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:43 8.30.002 Datgel CPT Tool gINT Add-In



Geotechnics • Geoenvironment • Laboratory

TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

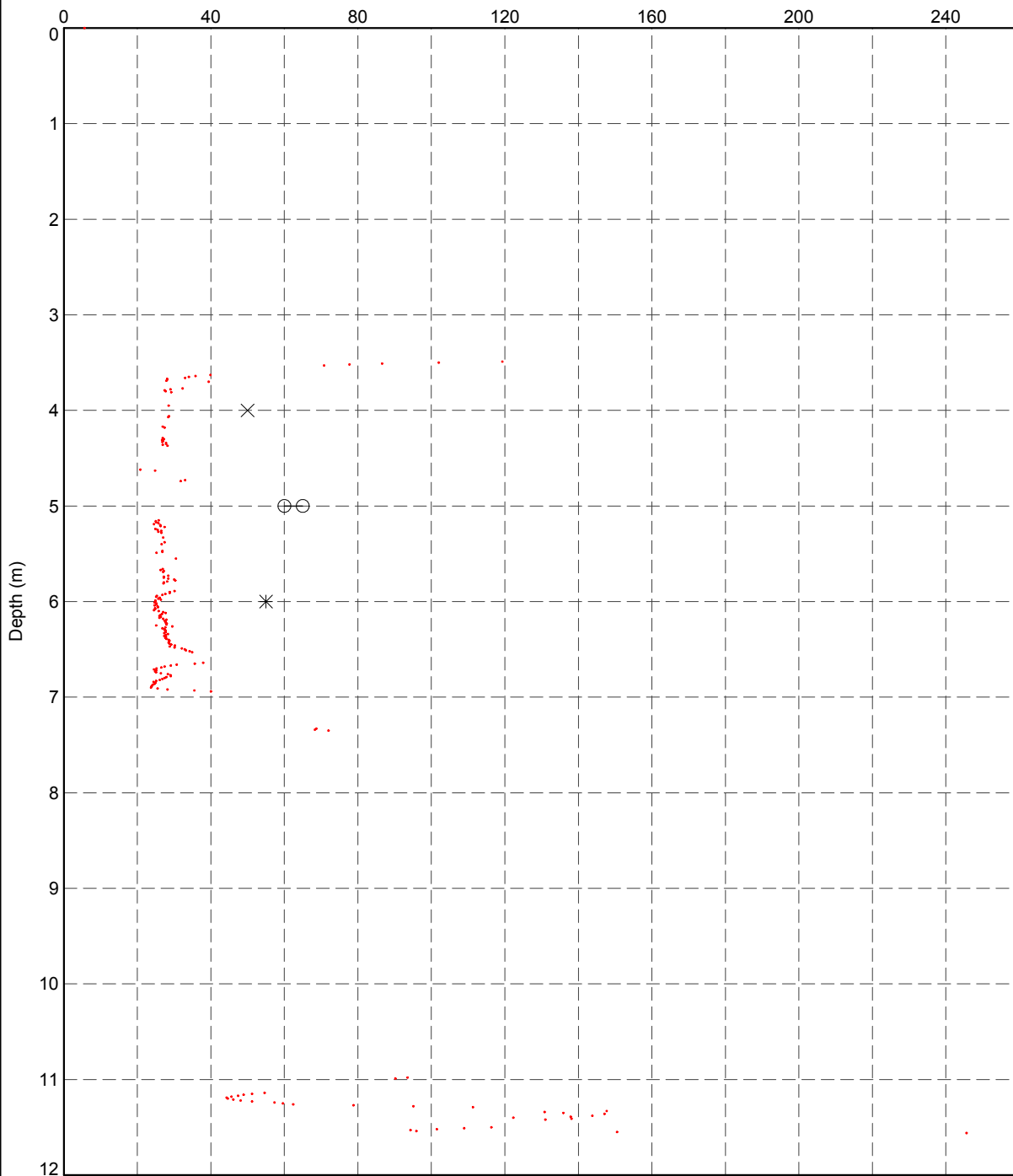
FIGURE No

201

Undrained Shear Strength, s_u (kPa)

PointID

BH1
CPT 05



Legend

- CPT Correlation 1
- × Vane
- * Torvane
- Pocket Penetrometer



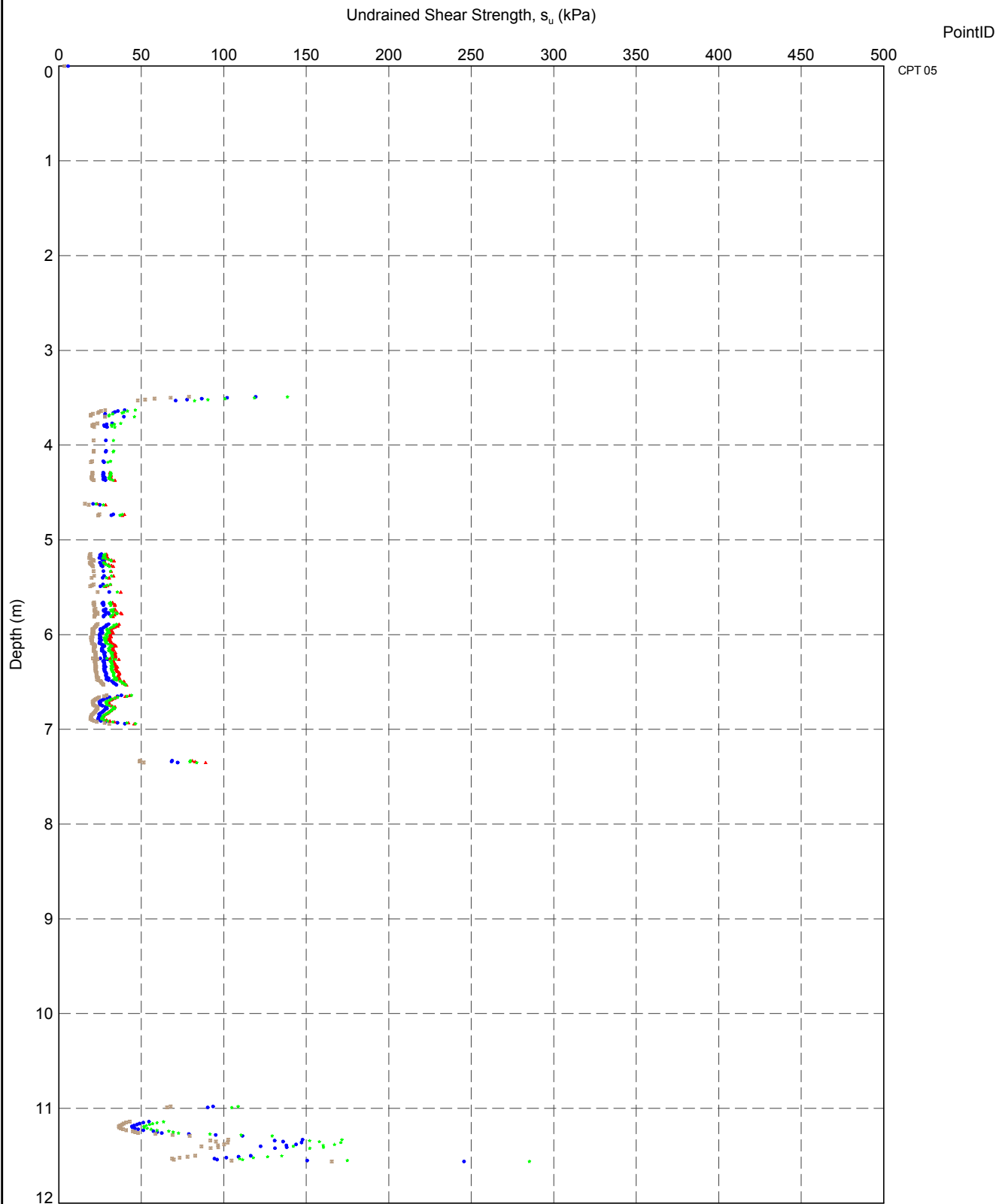
TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Depth

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	202

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT SU VS DEPTH VANE TV PP LEIP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:44 8:30:02 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT UNDRAINED SHEAR STRENGTH DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:48 8 30.002 Datgel CPT Tool gINT Add-In



Method:

- Classical approach, when q_t has data $s_u = (q_t \cdot 10^3 - \sigma_{v0})/N_{kt}$; else, $s_u = (q_c \cdot 10^3 - \sigma_{v0})/N_k$
- Variation on classical approach, when q_t has data $s_u = (q_t \cdot 10^3)/N_{kt}$; else, $s_u = (q_c \cdot 10^3)/N_k$
- ▲ Wroth (1984)
- ★ Trak et al. (1980), Terzaghi et al. (1996)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

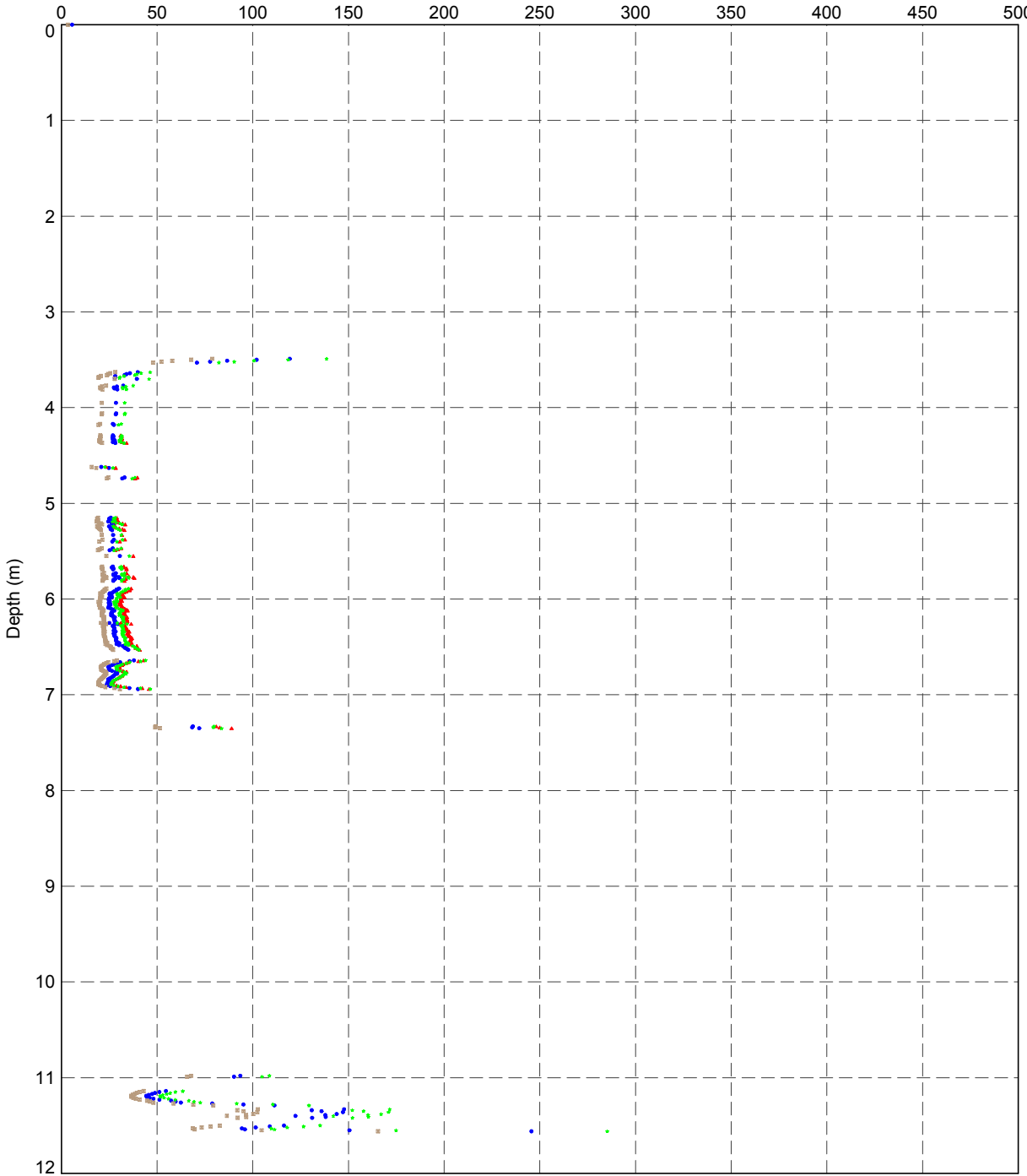
FIGURE No

203

Undrained Shear Strength, s_u (kPa)

PointID

CPT 05



Method:

- Classical approach, when q_t has data $s_u = (q_t \cdot 10^3 - \sigma_{vo})/N_{kt}$; else, $s_u = (q_c \cdot 10^3 - \sigma_{vo})/N_k$
- Variation on classical approach, when q_t has data $s_u = (q_t \cdot 10^3)/N_{kt}$; else, $s_u = (q_c \cdot 10^3)/N_k$
- ▲ Wroth (1984)
- ★ Trak et al. (1980), Terzaghi et al. (1996)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

PROJECT No

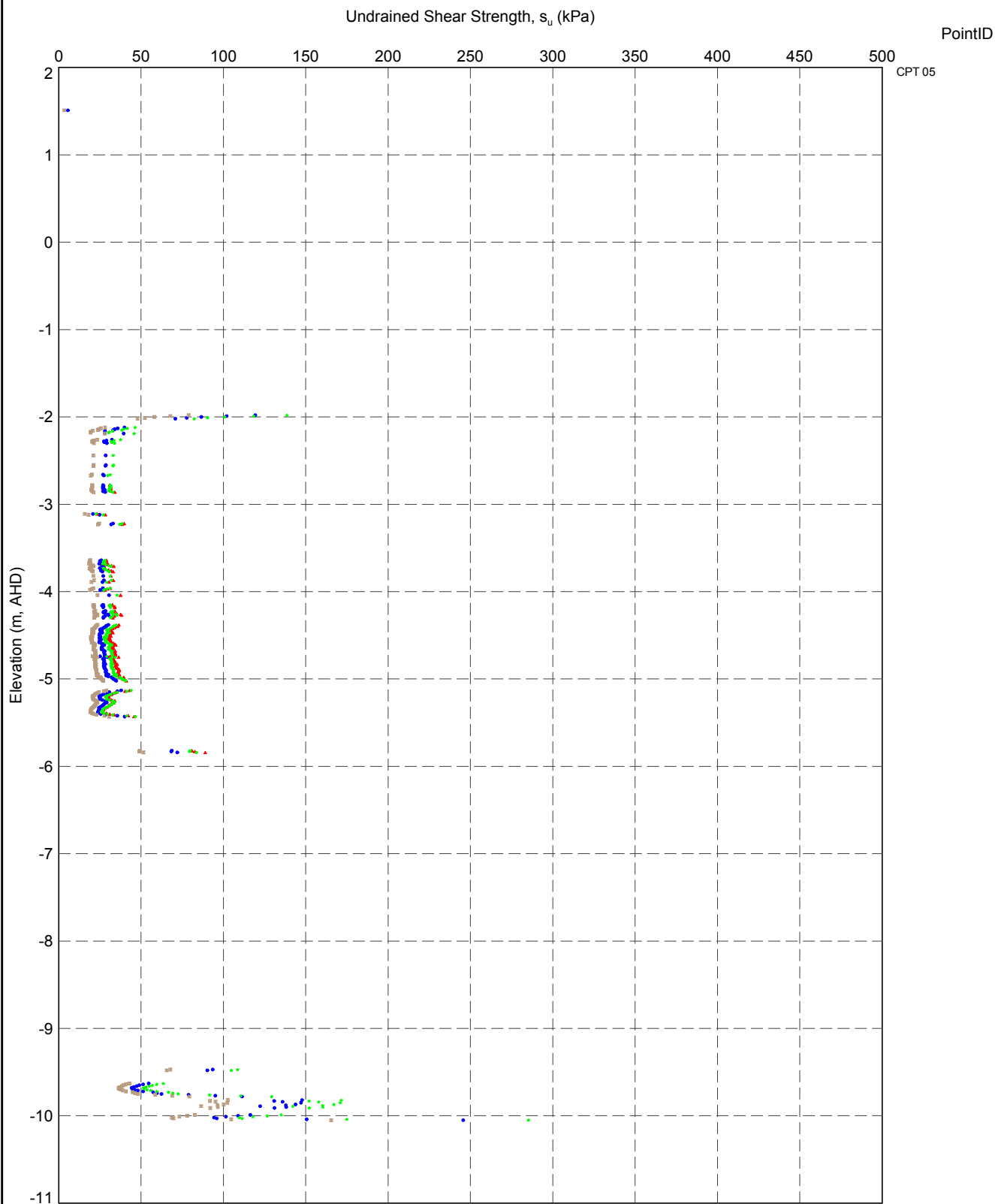
2.15

FIGURE No

204

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT UNDRAINED SHEAR STRENGTH DEPTH LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:48 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT UNDRAINED SHEAR STRENGTH RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:51 8.30.002 Datgel CPT Tool glNT Add-In



Method:

- Classical approach, when q_t has data $s_u = (q_t \cdot 10^3 - \sigma_{v0})/N_{kt}$; else, $s_u = (q_c \cdot 10^3 - \sigma_{v0})/N_k$
- Variation on classical approach, when q_t has data $s_u = (q_t \cdot 10^3)/N_{kt}$; else, $s_u = (q_c \cdot 10^3)/N_k$
- ▲ Wroth (1984)
- ★ Trak et al. (1980), Terzaghi et al. (1996)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Elevation

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

PROJECT No

2.15

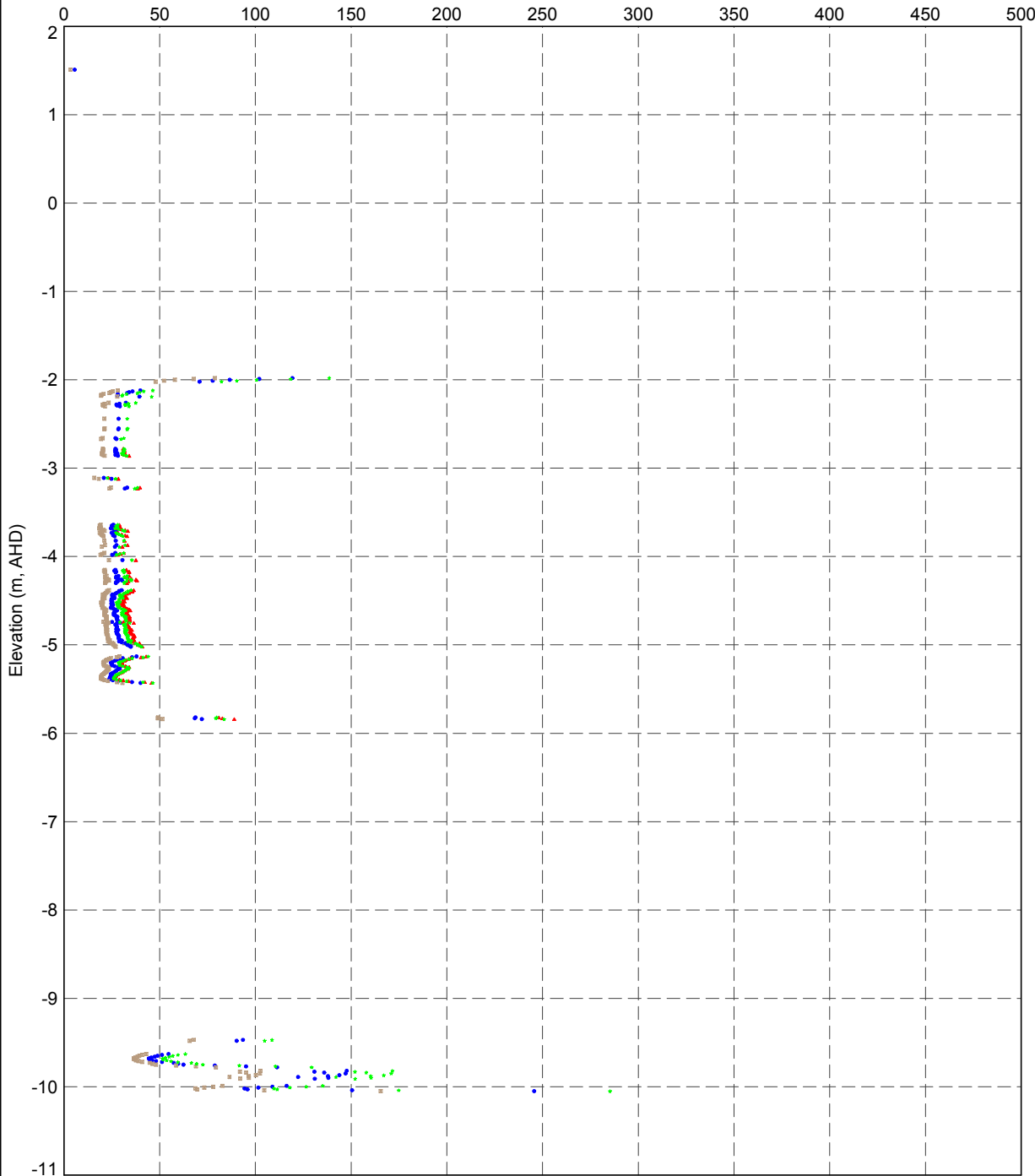
FIGURE No

205

Undrained Shear Strength, s_u (kPa)

PointID

CPT 05



Method:

- Classical approach, when qt has data $s_u = (q_t \cdot 10^3 - \sigma_{vo})/N_{kt}$; else, $s_u = (q_c \cdot 10^3 - \sigma_{vo})/N_k$
- Variation on classical approach, when qt has data $s_u = (q_t \cdot 10^3)/N_{kt}$; else, $s_u = (q_c \cdot 10^3)/N_k$
- ▲ Wroth (1984)
- ★ Trak et al. (1980), Terzaghi et al. (1996)



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Undrained Shear Strength versus Elevation

DRAWN

PMW

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CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

Let

PROJECT No

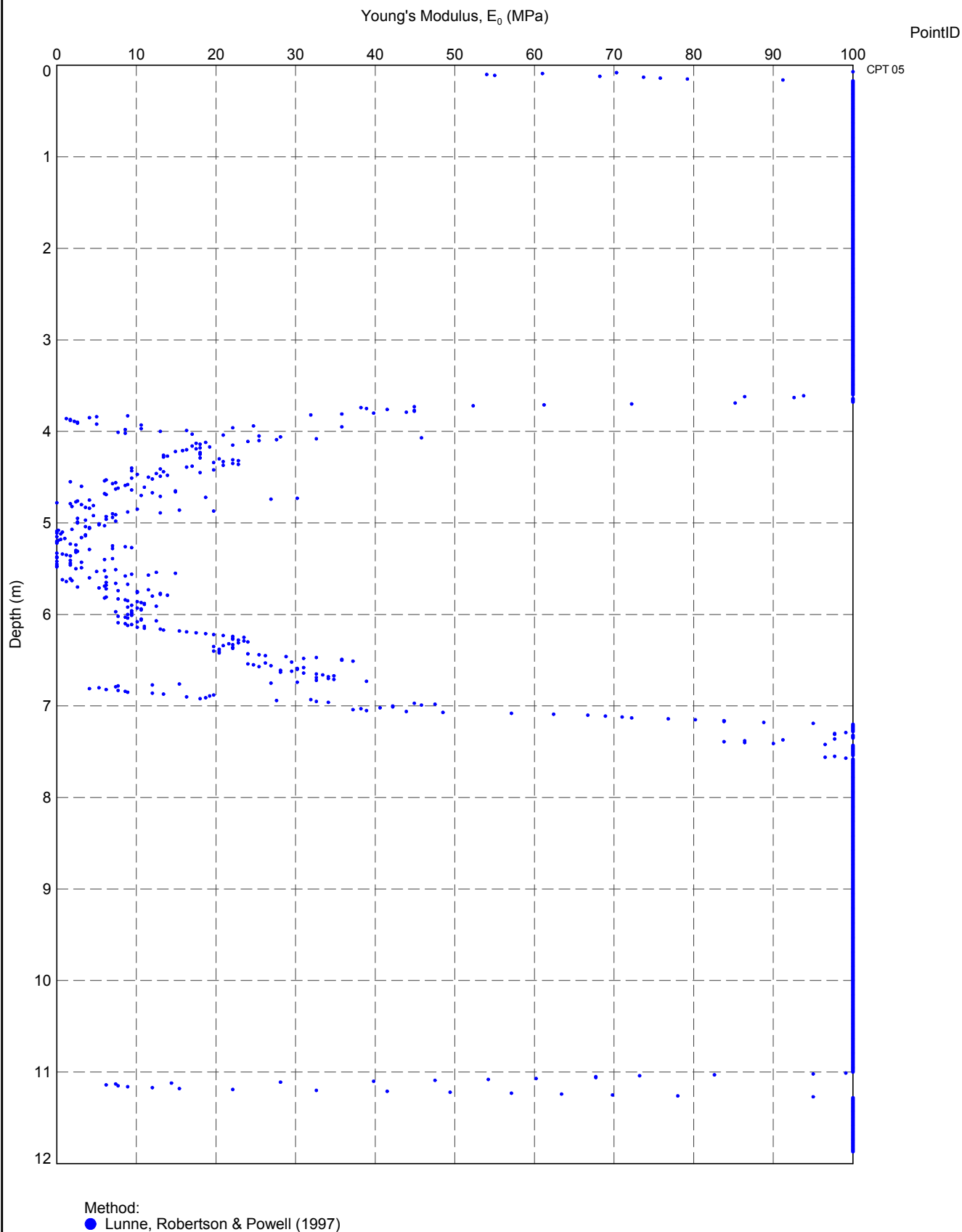
2.15

FIGURE No

206

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT UNDRAINED SHEAR STRENGTH RL LETP DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:53 8.30.002 Datgel CPT Tool gINT Add-In

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT YOUNGS MODULUS DEPTH A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 16:55 8.30.002 Datgel CPT Tool gINT Add-In



TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Youngs Modulus versus Depth

DRAWN

PMW

DATE

27/03/2011

CHECKED

PMW

DATE

27/03/2011

SCALE

Not To Scale

A4

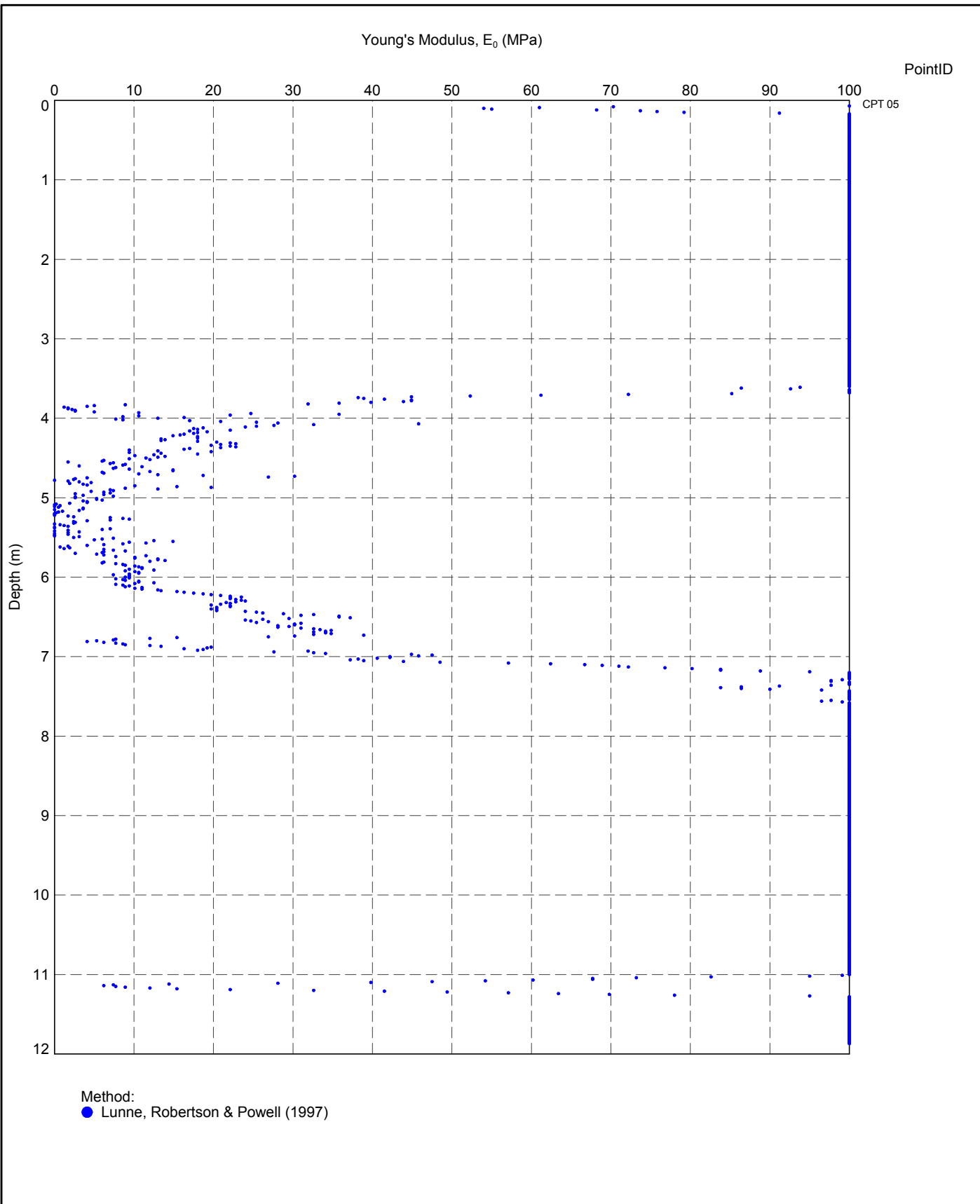
PROJECT No


2.15

FIGURE No

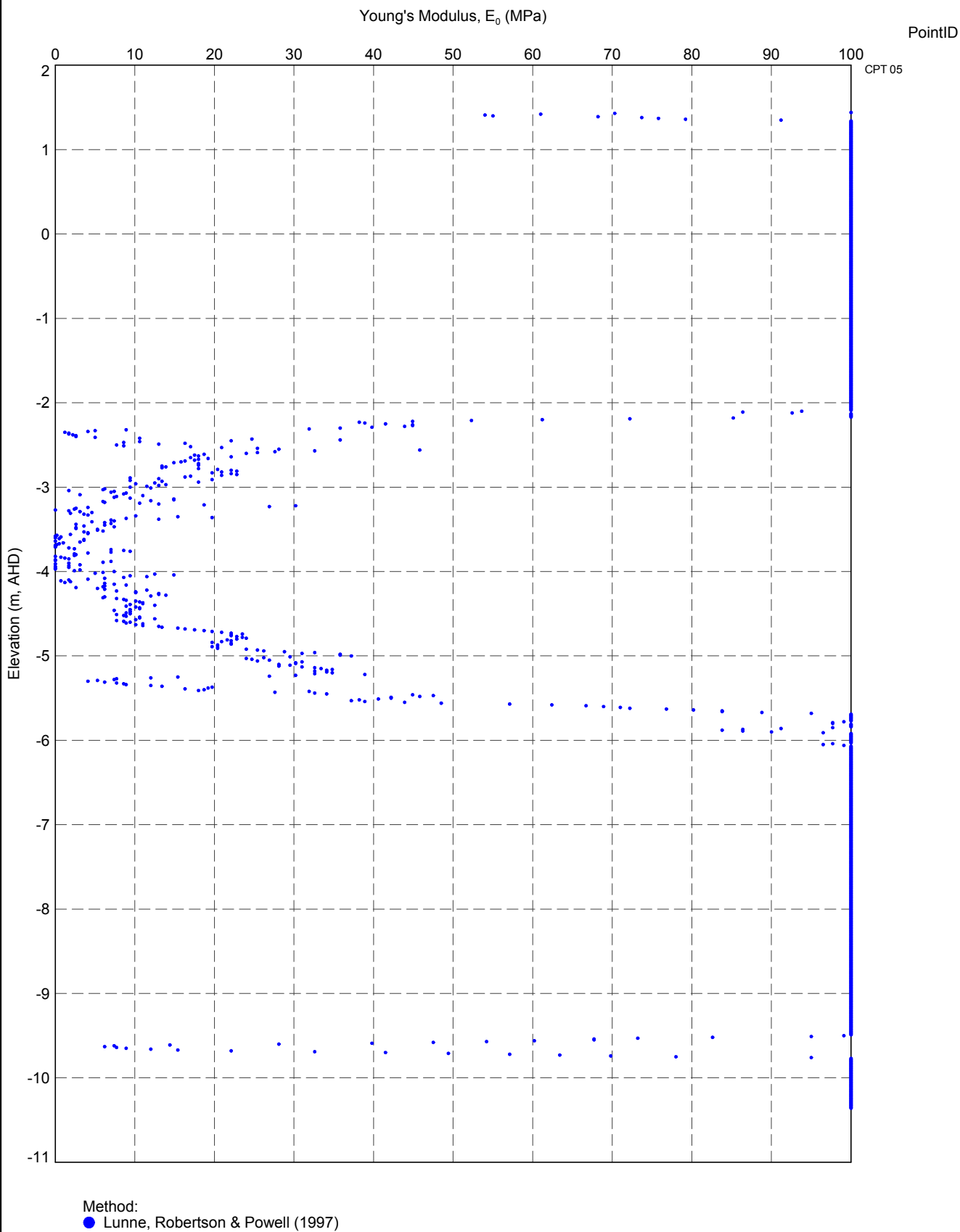
207

DATGEL CPT TOOL DGD LIB 2.15 GLB Graph CPT YOUNGS MODULUS DEPTH LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 16:57 8.30.002 Datgel CPT Tool gINT Add-In



 Geotechnics • Geoenvironment • Laboratory	TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Youngs Modulus versus Depth	DRAWN PMW	DATE 27/03/2011
		CHECKED PMW	DATE 27/03/2011
		SCALE Not To Scale	Let
		PROJECT No 2.15	FIGURE No 208

DATGEL CPT TOOL DGD LIB 2.15.GLB Graph CPT YOUNG'S MODULUS RL A4P DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 17:00 8:30.002 Datgel CPT Tool gINT Add-In

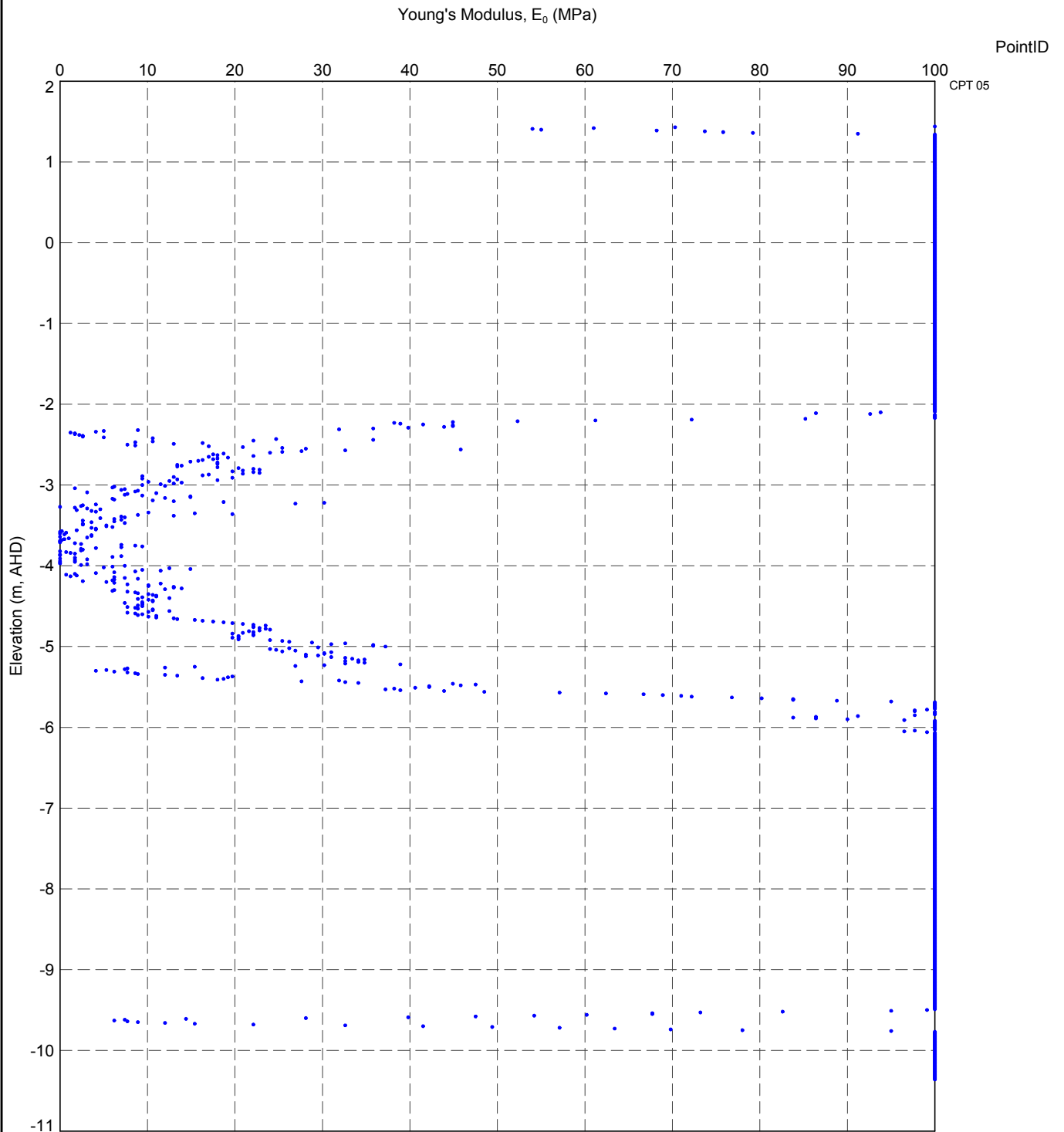


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Youngs Modulus versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		A4
PROJECT No	2.15	FIGURE No	209

DATGEL CPT TOOL DGD LIB 2.15 GLOB Graph CPT YOUNGS MODULUS RL LETP DATGEL CPT TOOL DGD 2.15 GPJ <<DrawingFile>> 27/Mar/2011 17:02 8.30.002 Datgel CPT Tool gINT Add-in



Method:
● Lunne, Robertson & Powell (1997)

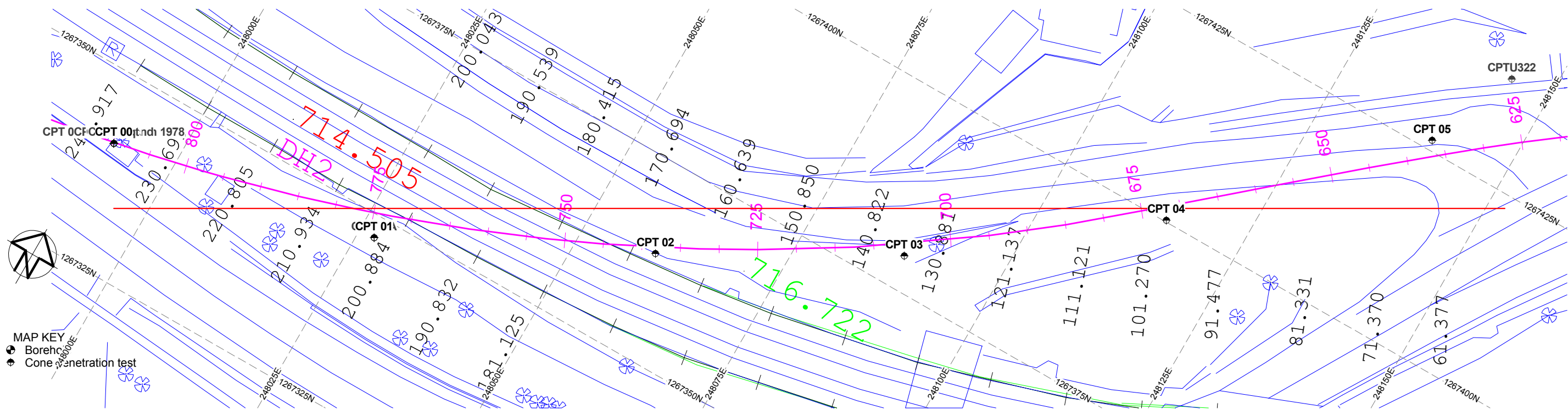
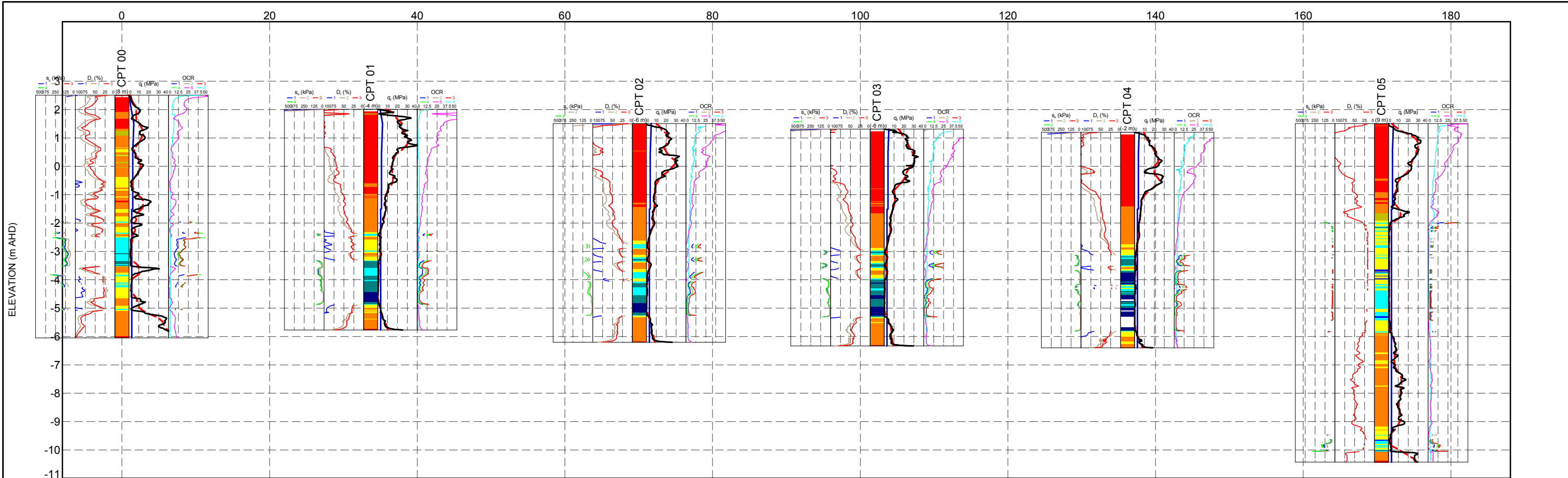


TITLE

CPT Client
ABC Engineering
Somewhere
CPT Tool Project
Youngs Modulus versus Elevation

DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	Not To Scale		Let
PROJECT No	2.15	FIGURE No	210

DATGEL CPT TOOL DGD LUB 2.15.GLB Fence CPT FENCE A3L DATGEL CPT TOOL DGD 2.15.GPJ <<DrawingFile>> 27/Mar/2011 17:11 8.30.002 Datgel CPT Tool gINT Add-in



METHOD: Robertson 1990

- | | |
|-------------------------------|-------------------------------|
| 1a - Silts and 'Low Ir' CLAYS | 2 - Essentially drained SANDS |
| 1b - CLAYS | 3 - Transitional soils |
| 1c - Sensitive CLAYS | |

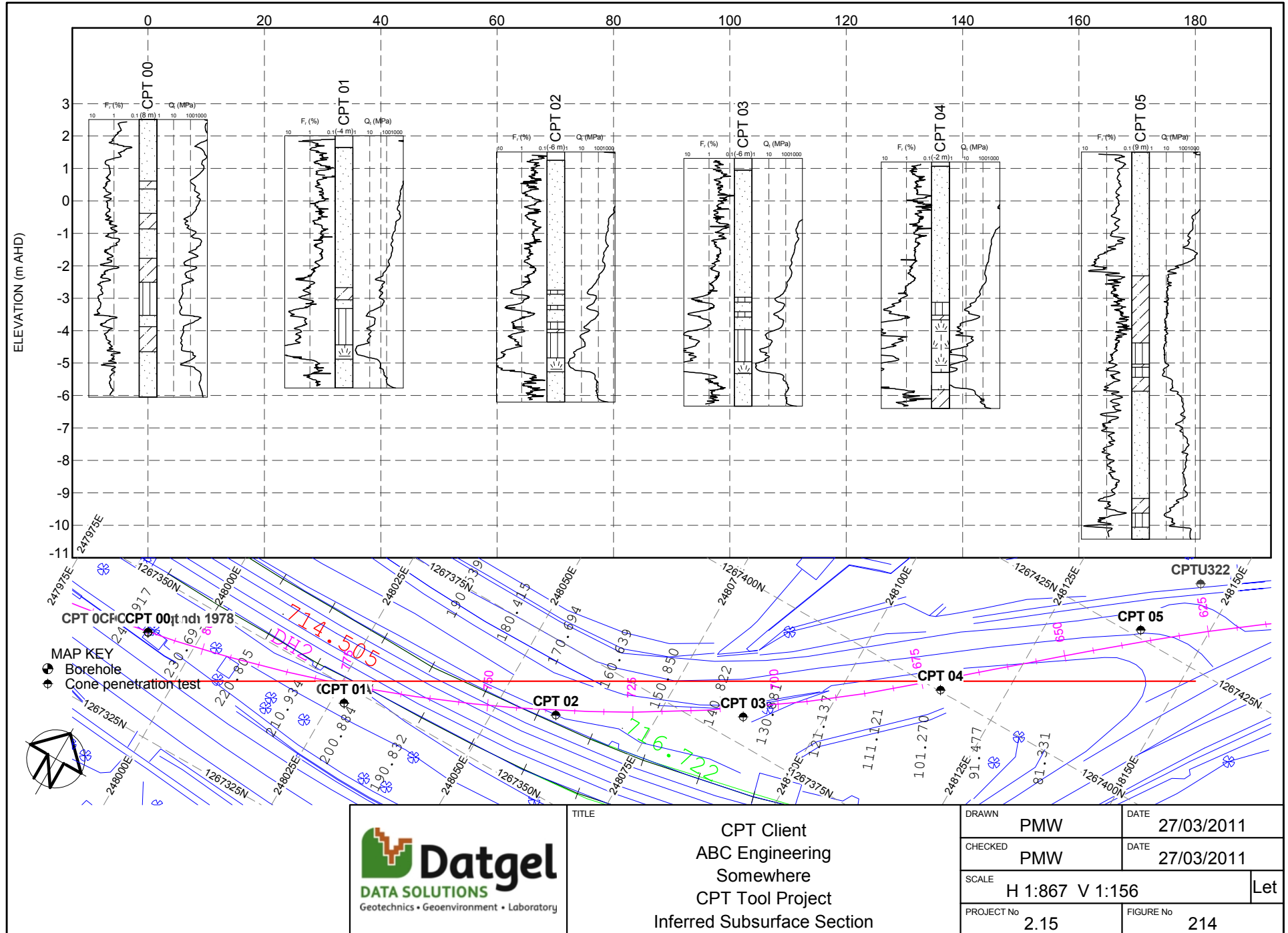
Overconsolidation Ratio Method:
1. Mayne (1995); Demers & Leroueil (2002)
2. Chen & Mayne (1996)
3. Mayne (2005)
4. Robertson (2009)
5. Mayne (2005)
6. Mayne (2007)

Relative Density Method:
1. Baldi et al. (1986); Al-Homoud & Wehr (2006)
2. Jamiolkowski et al. (2001)
3. Kulhawy & Mayne (1990)

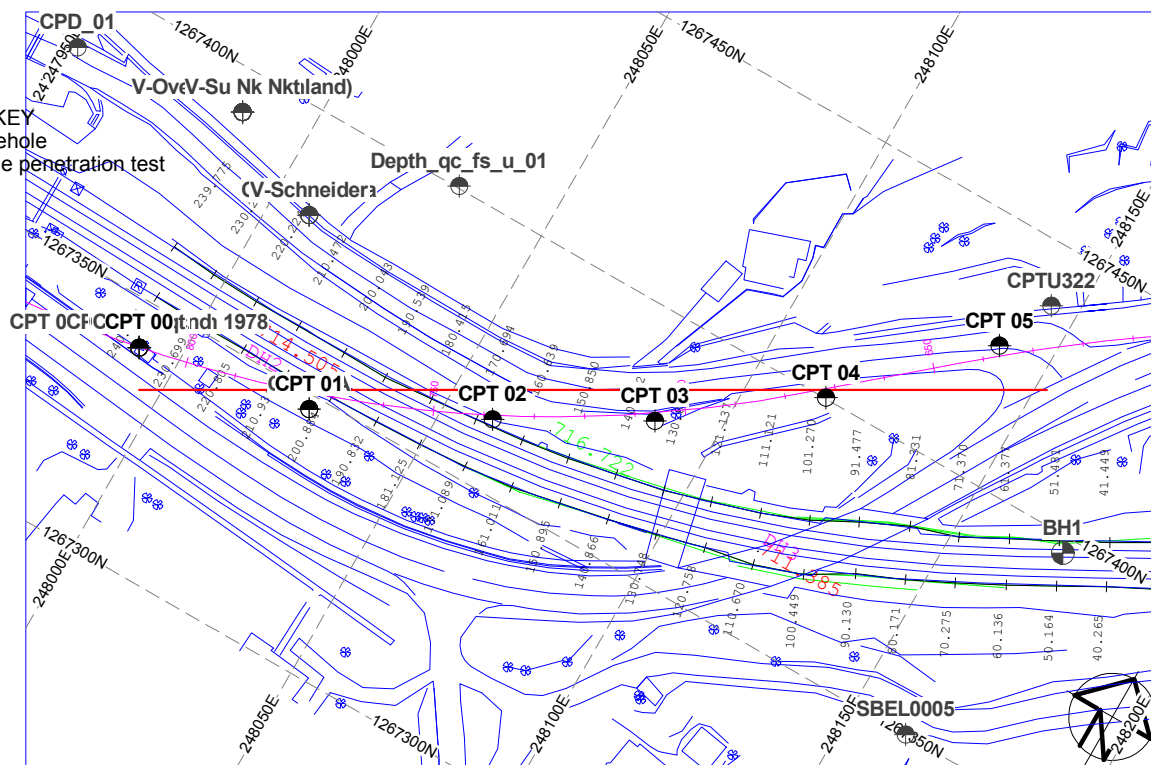
Undrained Shear Strength Method:
1. $s_u = (q_c \cdot 10^{-3} - \sigma_{vc})/N_{k1}$ or $(q_c \cdot 10^{-3} - \sigma_{vc})/N_k$
2. $s_u = (q_c \cdot 10^{-3})/N_{k1}$ or $(q_c \cdot 10^{-3})/N_k$
3. Wroth (1984)
4. Trak et al. (1980); Terzaghi et al. (1996)



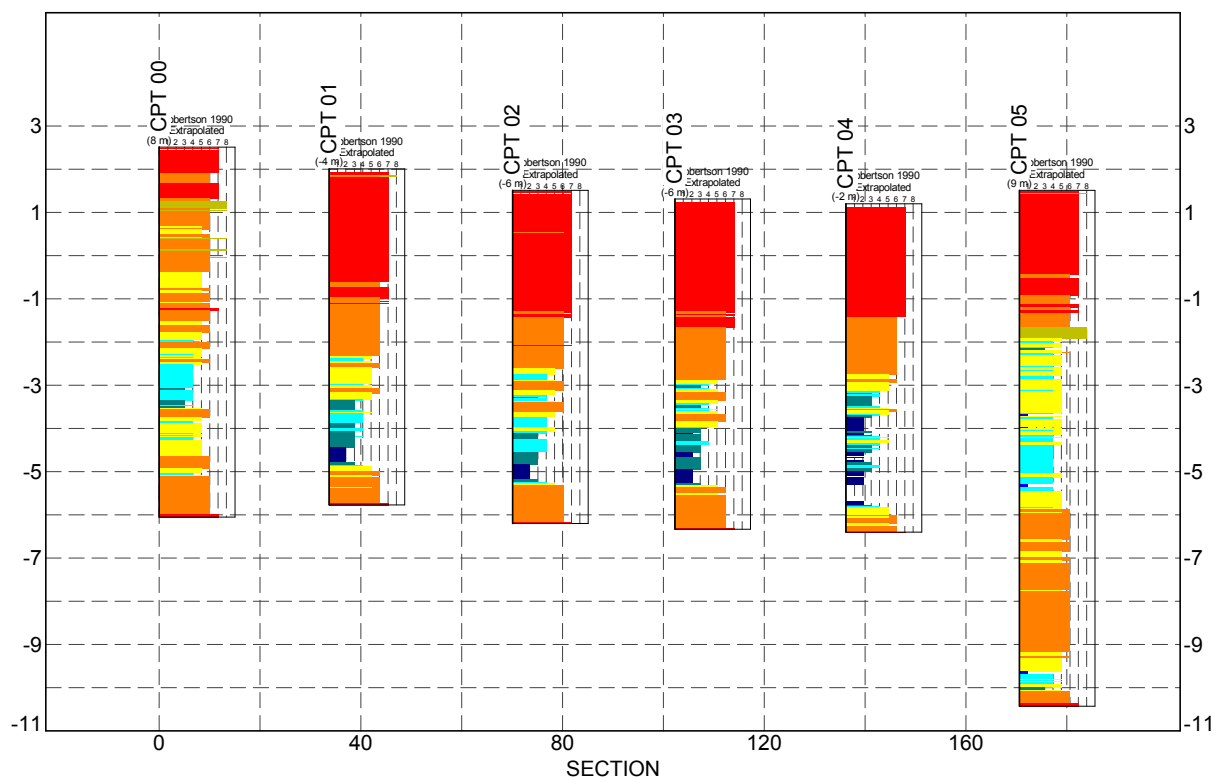
TITLE		CPT Client ABC Engineering Somewhere CPT Tool Project Inferred Subsurface Section	
DRAWN	PMW	DATE	27/03/2011
CHECKED	PMW	DATE	27/03/2011
SCALE	H 1:537 V 1:140		A3
PROJECT No	2.15	FIGURE No	211



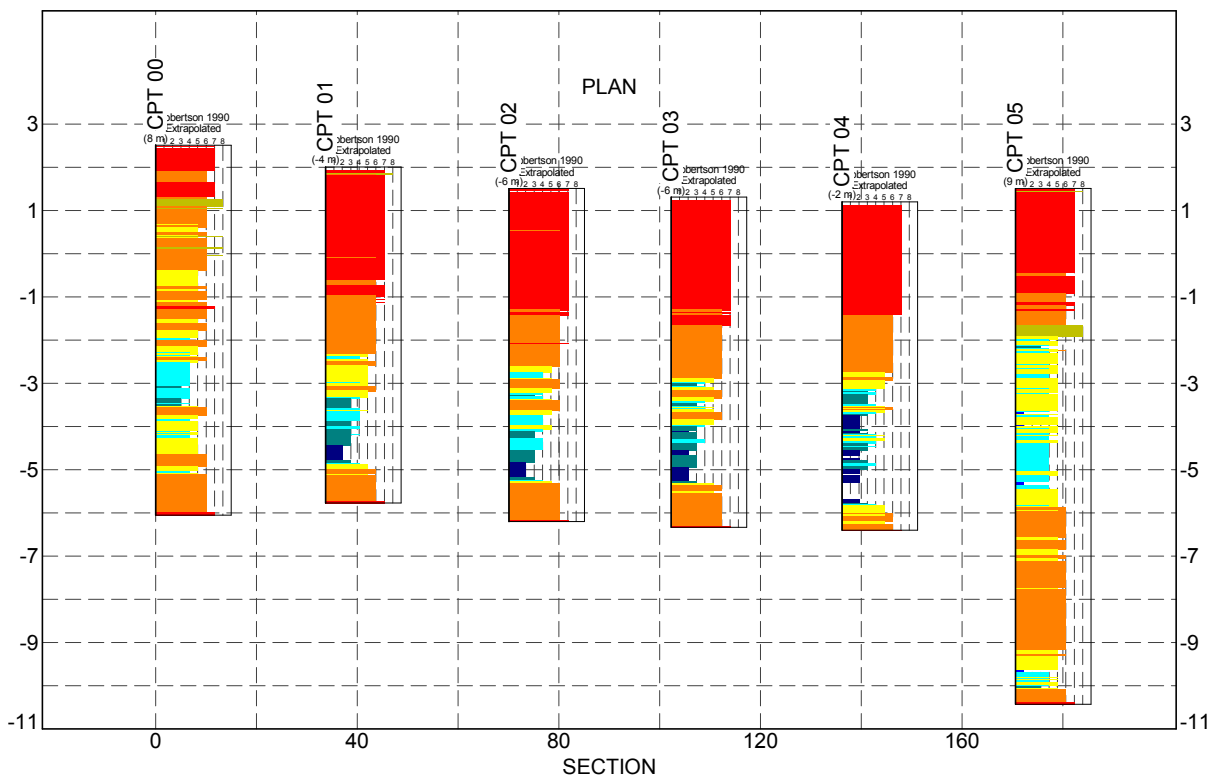
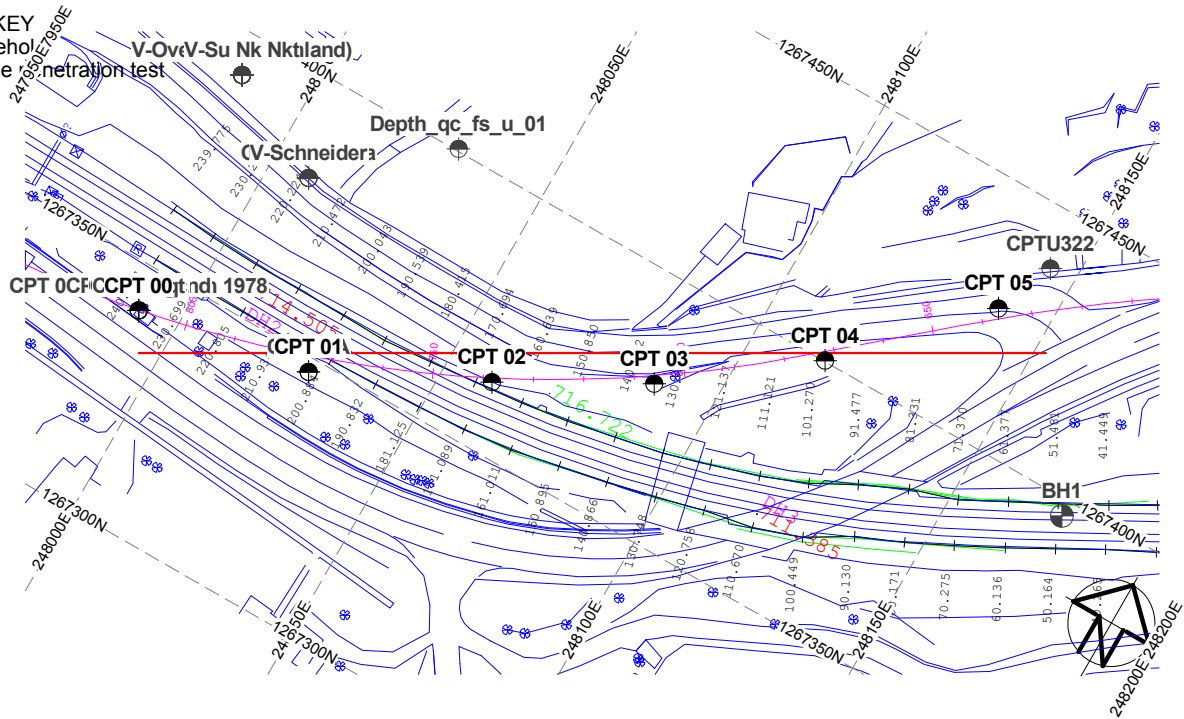
- MAP KEY
- Borehole
 - Cone penetration test



PLAN



MAP KEY
 ● Borehole
 ⊕ Cone penetration test



DATGEL CPT TOOL DGD LIB 2.15 GLOB Fence CPT FENCE LETP DATGEL CPT TOOL DGD 2.15 GPJ <DrawingFile> 27/Mar/2011 17:31 8.30.002 Datgel CPT Tool gINT Add-In

ELEVATION (m AHD)



TITLE CPT Client ABC Engineering Somewhere CPT Tool Project Inferred Subsurface Section		DRAWN	PMW	DATE	27/03/2011
		CHECKED	PMW	DATE	27/03/2011
SCALE					H 1:1500 V 1:175
PROJECT No					2.15
FIGURE No					216
					Let