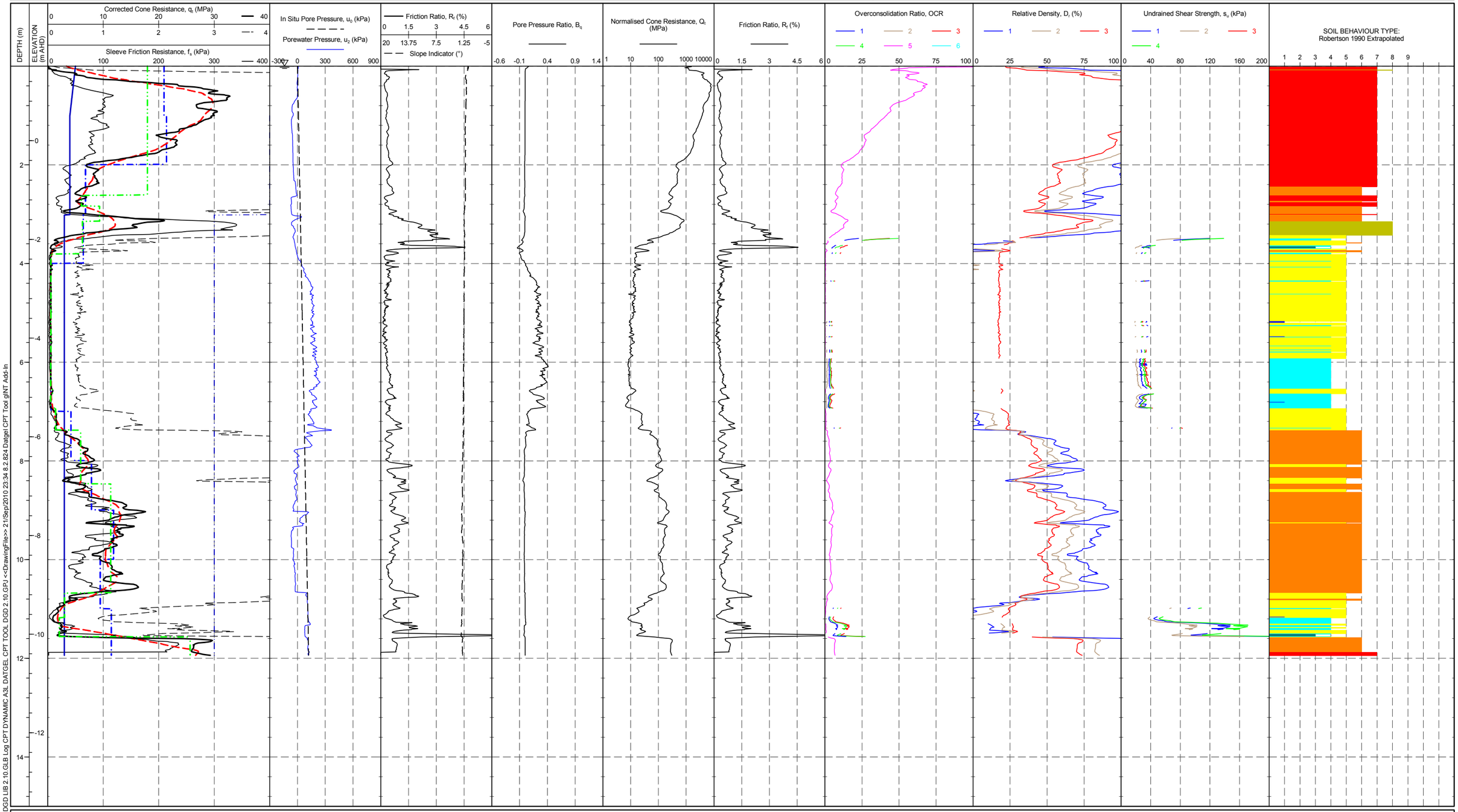
Datgel
DATA SOLUTIONS
Geotechnics • Geoenvironment • Laboratory

CPT LOG

PointID
CPT 05

CLIENT : CPT Client ENGINEER : ABC Engineering PROJECT : CPT Tool Project LOCATION : Somewhere PROJECT No. : 2.10	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



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

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)

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

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

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