



GEOLOGICAL SURVEY OF CANADA

OPEN FILE 2956

**Results of seismic cone penetration testing,
Fraser River Delta, British Columbia,
February-March 1994**

D.J. Woeller, J.A. Hunter, J.L. Luternauer

1994



Natural Resources
Canada

Ressources naturelles
Canada

Canada

TABLE OF CONTENTS

- 1.0 INTRODUCTION

- 2.0 FIELD EQUIPMENT & PROCEDURES
 - 2.1 Electric Cone Penetration Testing
 - 2.2 Down Hole Seismic Wave Velocity Measurement

- 3.0 RESULTS OF FIELD TESTING PROGRAM
 - 3.1 CPT Data and Interpretations
 - 3.2 Downhole Shear Wave Velocities

- 4.0 CONTRACTIVE DILATIVE BOUNDARY

- REFERENCES

- APPENDIX A: CPT results
- APPENDIX B: CPT Based Interpretations
- APPENDIX C: Downhole Shear Wave Velocity Results
- APPENDIX D: Tabulated Results of Downhole Method
- APPENDIX E: Contractive Dilative Templates

1.0 INTRODUCTION

This report presents the results of a seismic cone penetration test (SCPT) program carried out at thirteen locations in the municipalities of Richmond, Delta and Tsawassen, in the province of British Columbia between February, 1994 and March 1994. A list of the sites tested can be seen in table 1. The work is part of a continuing geotechnical program being carried out by the Geological Survey of Canada (GSC) regarding regional liquefaction potential and hazard mapping.

The testing was carried out in accordance with terms and conditions set out in Supply and Services Canada Contract No. 23397-3-123501-SS.

2.0 FIELD EQUIPMENT AND PROCEDURES

Seventeen tests at thirteen sites in the municipalities of Richmond and Delta were tested, the locations of which can be seen in Figure 1-13. At each location one SCPT profile was completed. The test locations were chosen as close as possible to the locations that were provided, allowing enough room for safe operation of the SCPT deployment rig. The water level was noted between 1 m and 3 m below grade at all sites.

2.1 ELECTRIC CONE TESTING

The electric cones used in the field testing program were supplied by Conetec Investigations Ltd. The cones were deployed using a specially modified drill rig (MARL-10) having a maximum thrust of 14 tons. The drill rig was supplied and operated by Mud Bay Drilling Co. Ltd. of Surrey B.C.

Both 5 and 10 ton compression cones were used for all of the soundings. These cones have a standard tip area of 10 sq. cm. and a friction sleeve area of 150 sq. cm.

The cone is designed with an equal end area friction sleeve and tip end area ratio of 0.85. A pore pressure filter was located immediately behind the cone tip. The filter is made of porous plastic and was 5.0 mm thick. The pore pressure filters are saturated in glycerin under vacuum prior to penetration. The porous filter allows water pressure communication between the soil and a pore pressure transducers located inside the cones. The cones were equipped with a geophone to record seismic wave arrivals. The cones were capable of continuous data collection. The following data was collected at the standard interval of 5 cm:

Cone Bearing (Q_c)

Sleeve Friction (F_s)

Dynamic Penetration Pore Pressure (U_t)

The above parameters were recorded on digital storage media and printer simultaneously for future analysis and reference. Also during pauses in penetration for addition of rods, time based pore pressure and seismic shear wave signals were recorded. The pore pressure data is collected at 5 sec. intervals.

A complete set of baselines were recorded before and after every cone sounding to determine if any temperature shifts or zero load offsets had occurred during the sounding. Correction of these effects can be very important, especially when recorded loads are very small. In sandy soils these corrections are generally negligible.

2.2 DOWN HOLE SHEAR WAVE VELOCITY MEASUREMENT

Seismic wave velocity measurements were conducted each time cone penetration was stopped to add additional push rods. The seismic wave traces were recorded using a digital oscilloscope. All of the traces were saved on digital media for future analysis. The CPT rods are 1 m long, so that accurate depth intervals are ensured by always pushing the cone rods 1 m. At the end of the first rod and at 1m intervals thereafter, shear wave traces were recorded and analyzed according to procedures described by

Robertson et al (1986b). Before taking shear wave velocity measurements, the rods were decoupled from the drill rig to avoid transmission of energy down the rods.

3.0 RESULTS OF FIELD TESTING PROGRAM

3.1 CPT DATA AND INTERPRETATION

The CPT data collected is presented in graphical form in Appendix A. The data is also present on the attached floppy disk, with the appropriate file name referenced on the graphs. The inferred stratigraphic profiles at each CPT test location is given in Appendix B. The stratigraphic interpretations are based on relationships between cone bearing, Q_c , sleeve friction, F_s , and dynamic pore pressure, U_t . The friction ratio, ($R_f = F_s/Q_c * 100 \%$) is a calculated parameter which is used to identify the soil type and is based on empirical results that relate soil behaviour to soil type. Generally, soft cohesive soils have high friction ratios, low cone bearing pressures and generate large positive excess pore pressures during penetration. Cohesionless soils have lower friction ratios, high cone bearing pressures and generate little in the way of pore water pressure during penetration.

The classification of soils encountered on this project was carried out using the correlations developed by Robertson et al.(1986a) shown in Figure 14. It is not always possible to clearly identify a soil type based on Q_c and R_f alone. Experience, judgement and analyses of pore water pressure generation during penetration and subsequent dissipation were used in arriving at soil type in these ambiguous situations. Soil types, identified with the aid of the chart in Figure 14, along with estimates of some associated geotechnical parameters are presented in Appendix B for each cone sounding.

3.2 DOWNHOLE SHEAR WAVE VELOCITY DATA

The variation in shear wave velocity with depth for each sounding are shown

graphically in Appendix C. The velocity profiles are based on velocities at the mid-points of the 1 m test intervals. Pertinent data for each of the seismic profiles are tabulated in Appendix D. The shear wave velocities in the penetrated soils vary between 60 m/sec and 380 m/sec.

4.0 CONTRACTIVE DILATIVE BOUNDARY

Soil response to cyclic loading depends primarily on two factors: the intensity and duration of loading and the behaviour of soil during loading. For sands, behaviour during both static and monotonic loading has been studied extensively in the laboratory. Lab results indicate that the behaviour of sand during monotonic loading is intimately related to its behaviour during cyclic loading. Recent research has suggested that a boundary between contractive and dilative behaviour (steady state line) can be defined based on normalized cone bearing (Sladen and Hewitt, 1989) and more recently based on normalized shear wave velocity (Robertson et al, 1992). Templates have been made that can be placed over top of the results to locate the contractive dilative boundary for the data collected. These template are included in Appendix E of this report, with contractive behaviour to the left and dilative to the right.

REFERENCES

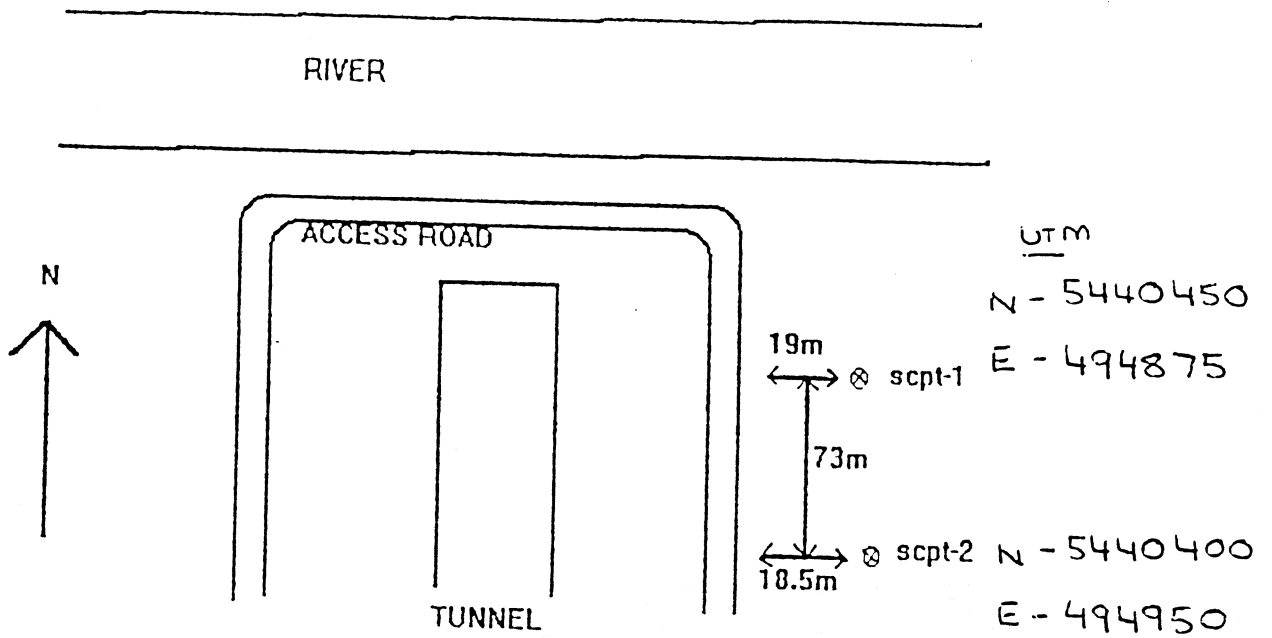
1. Robertson, P.K., Campanella, R.G., Gillespie, D., and Greig, J. 1986a. Use of piezometer cone data. Proceedings *In-Situ '86*, ASCE Specialty Conference, Blacksburg, VA.
2. Robertson, P.K., Campanella, R.G., Gillespie, D. and Rice, A., 1986b. Seismic CPT to measure in situ shear wave velocity. Journal of Geotechnical Engineering Division, ASCE, Vol. 11, GT3, pp.384-403.
3. Robertson, P.K., Woeller, D.J., Kokan, M.J., Hunter, J., Luternauer, J., 1992. Seismic techniques to evaluate liquefaction potential. 45th Canadian Geotechnical Conference, Toronto Ontario, October, 1992.
4. Sladen, J. A. and Hewitt, K.J., 1989. Influence of placement method on the in situ density of hydraulic sand fills. Canadian Geotechnical Journal, Vol. 26 No. 3, pp. 453-466.

TABLE I

C.G.S.

Date	Hole No.	Penetration Depth
February 03, 1994	SCPT-1	40.75
February 03, 1994	SCPT-2	42.60
February 08, 1994	SCPT-3	35.40
February 10, 1994	SCPT-4	35.70
February 11, 1994	SCPT-5	35.05
February 11, 1994	SCPT-6	35.70
February 11, 1994	SCPT-7	35.75
February 15, 1994	SCPT-8	29.90
February 15, 1994	SCPT-9	19.45
February 15, 1994	SCPT-10	30.95
February 22, 1994	SCPT-11	25.80
February 22, 1994	SCPT-12	35.95
February 22, 1994	SCPT-13	36.05
March 02, 1994	SCPT-14	58.25
March 03, 1994	SCPT-15	63.55
March 03, 1994	SCPT-16	55.30
March 08, 1994	SCPT-17	20.90

SITE LOCATION MAPS
&
UTM COORDINATE POSITIONS



LOCATION MAP

G.S.C.

DELTA

94-112

FEB3/94

LOCATION MAP

G.S.C.

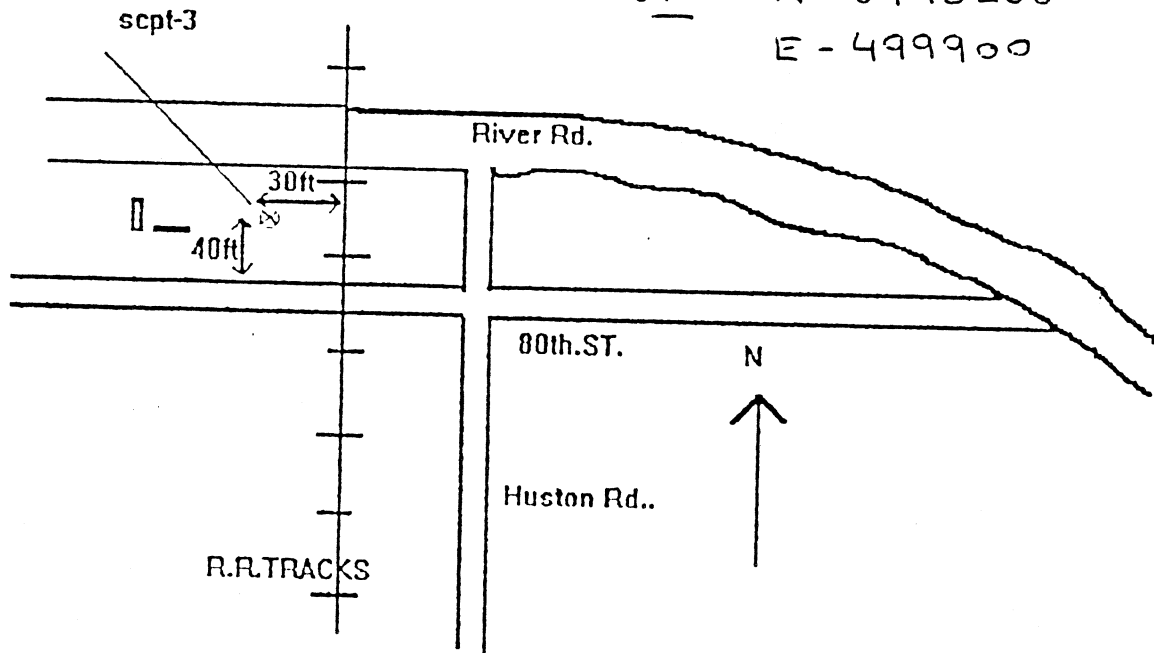
DELTA

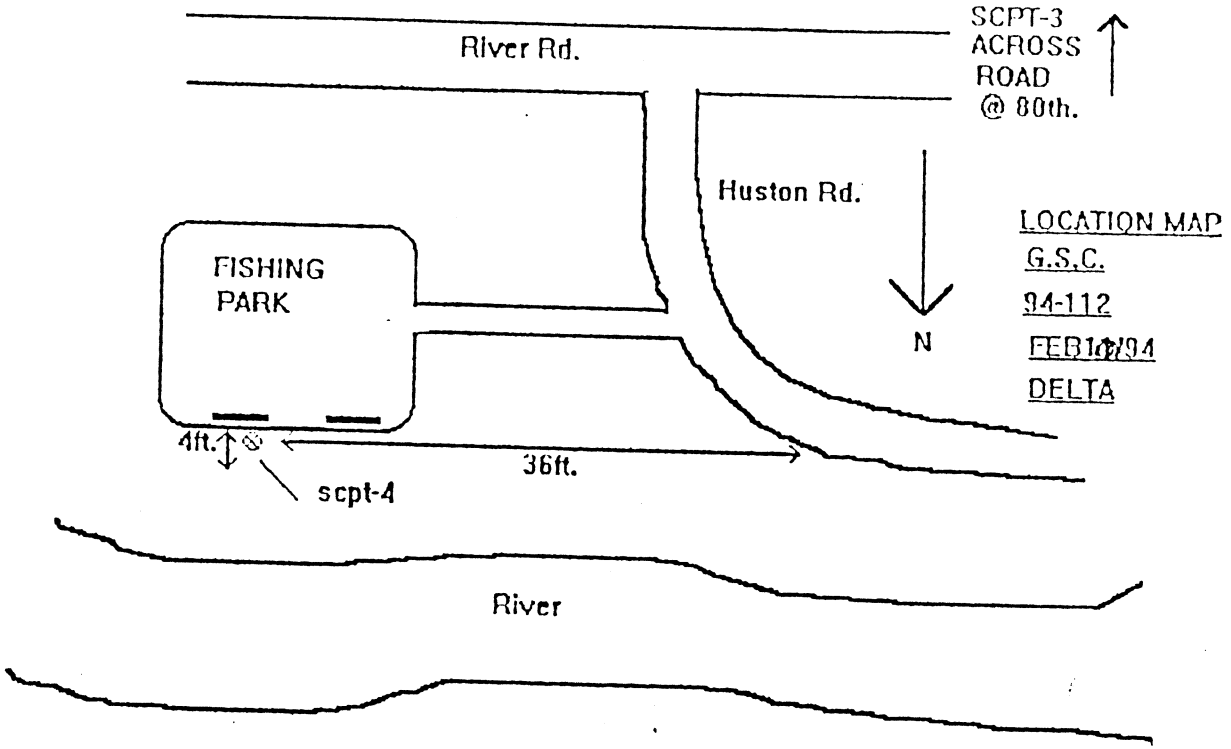
94-112

FEB.11/94

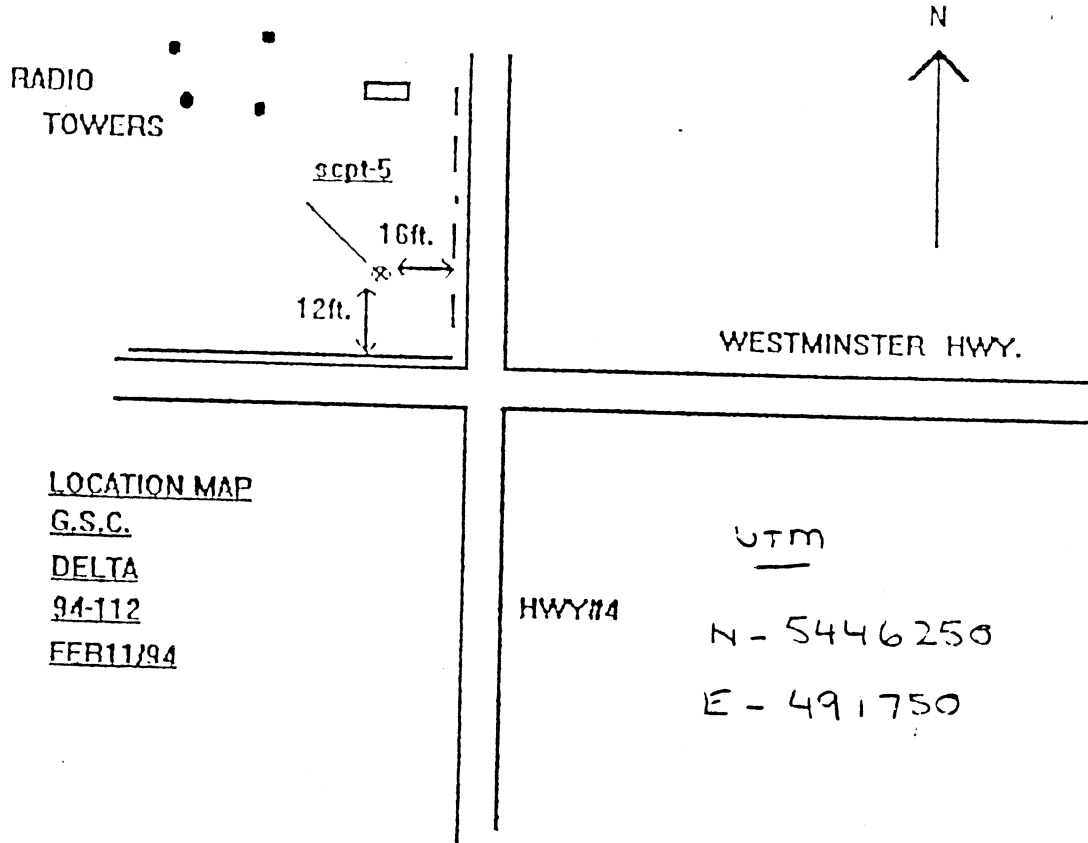
UTM N - 5443200

E - 499900

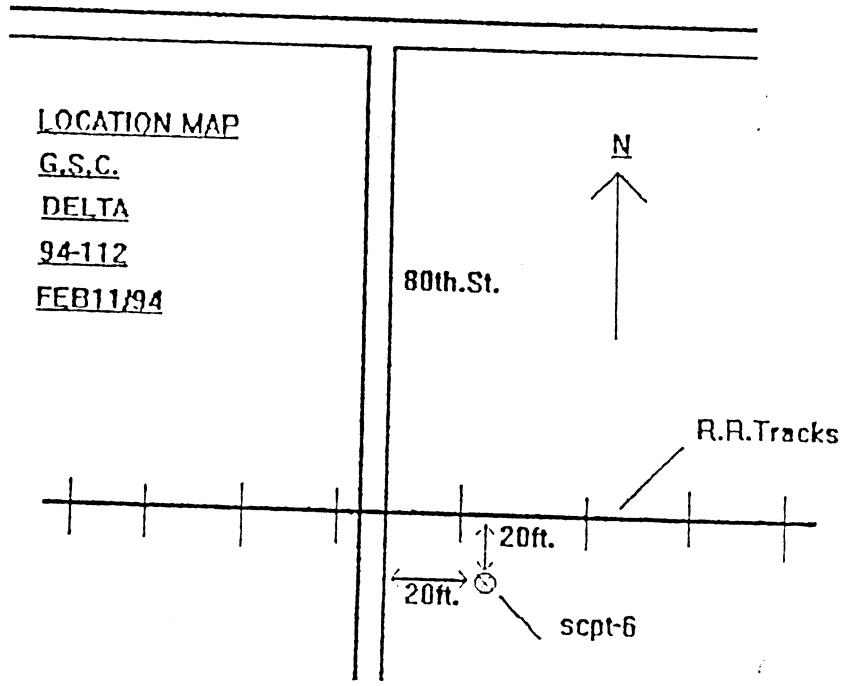




UTM N - 5443700
E - 499750



Ladner Trunk Rd.



LOCATION MAP

G.S.C.

DELTA

94-112

FEB 11/94

UTM

N - 5436450

E - 500000

Ladner Trunk Rd.

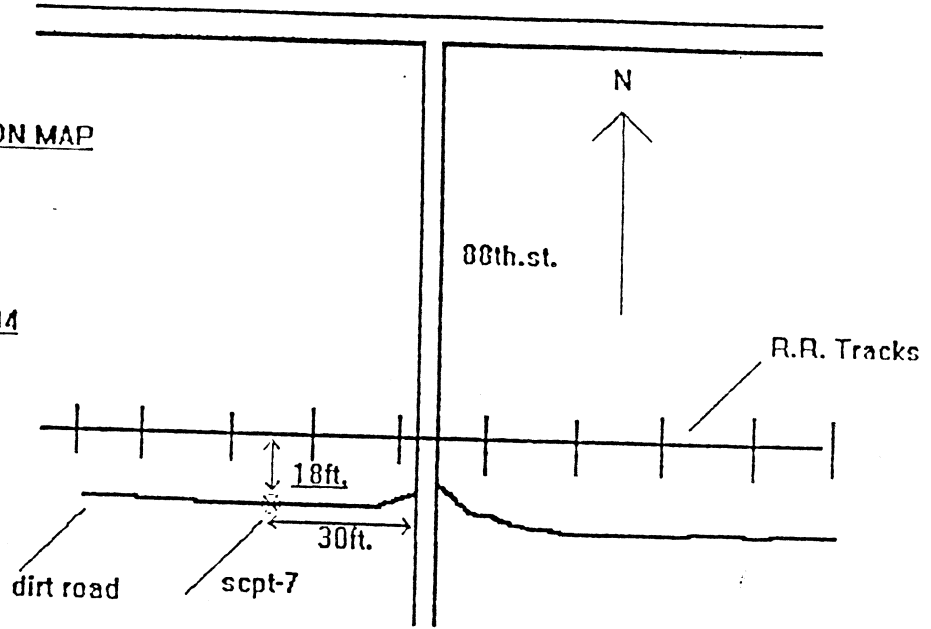
LOCATION MAP

G.S.C.

DELTA

94-112

FEB11/94



UTM

N - 5436450

E - 501600

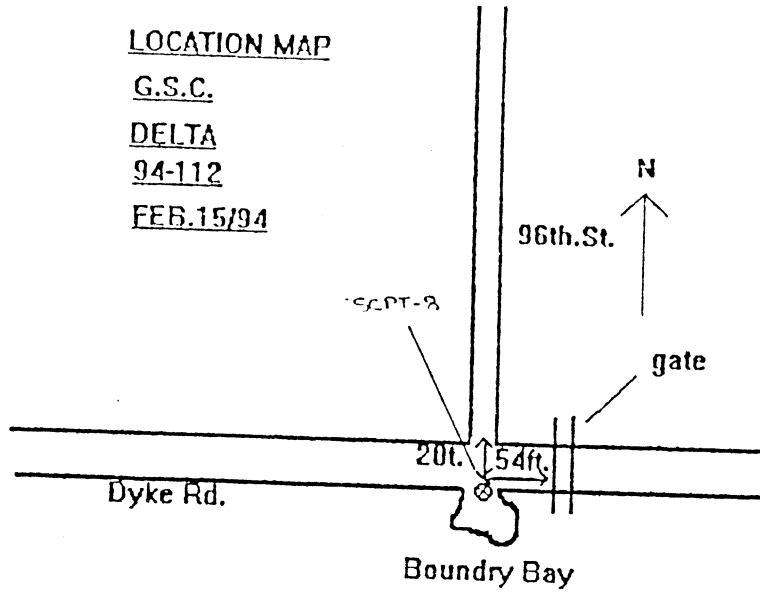
LOCATION MAP

G.S.C.

DELTA

94-112

FEB.15/94



UTM

N - 5435250

E - 503250

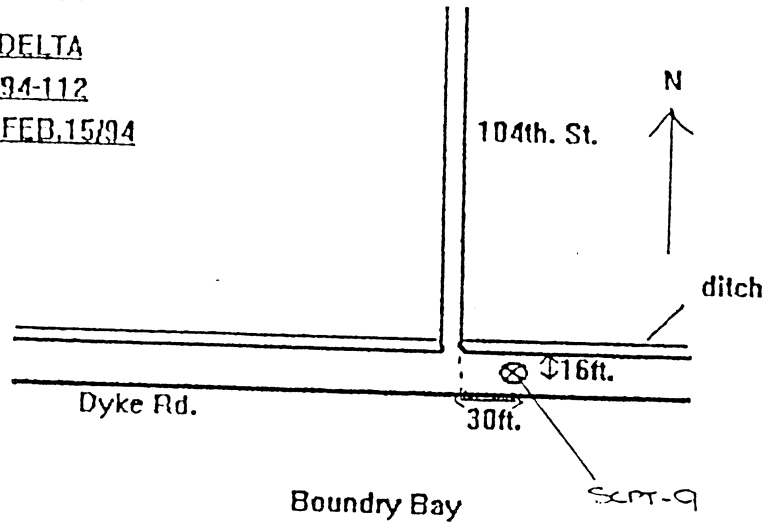
LOCATION MAP

G.S.C.

DELTA

94-112

FEB. 15/94



UTM

N - 5435850

E - 504800

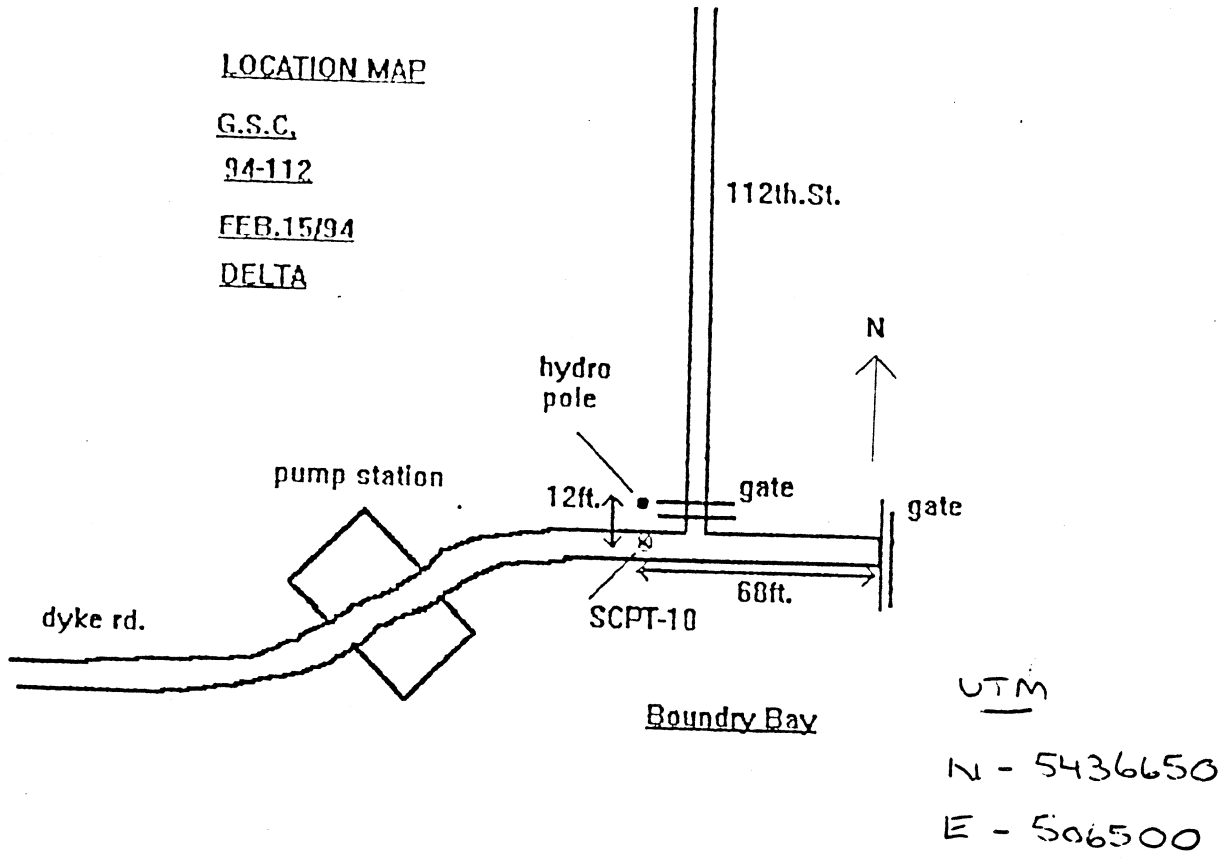
LOCATION MAP

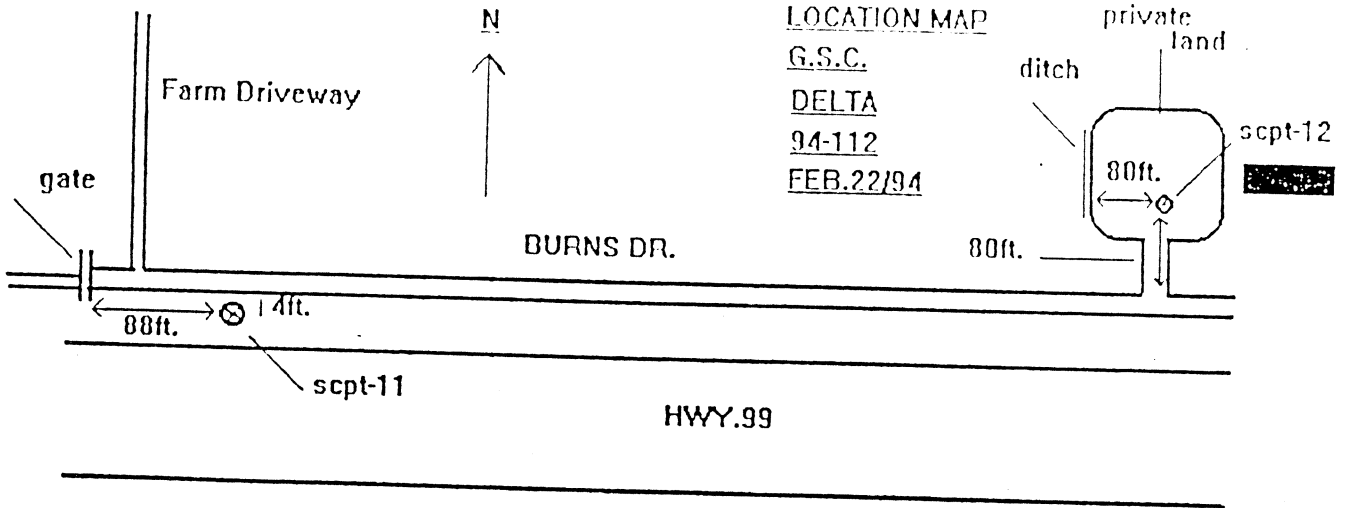
G.S.C.

94-112

FEB.15/94

DELTA





UTM (SCPT-11)

N - 5437400

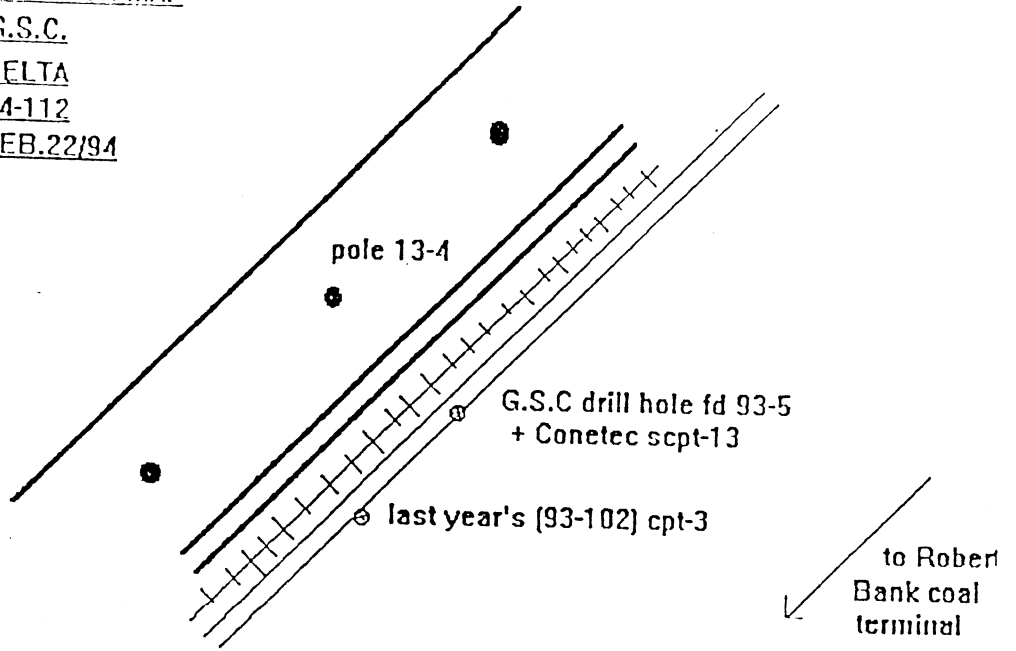
E - 500000

UTM (SCPT-12)

N - 5437400

E - 502400

LOCATION MAP
G.S.C.
DELTA
94-112
FEB.22/94



UTM

N - 5431800

E - 490250

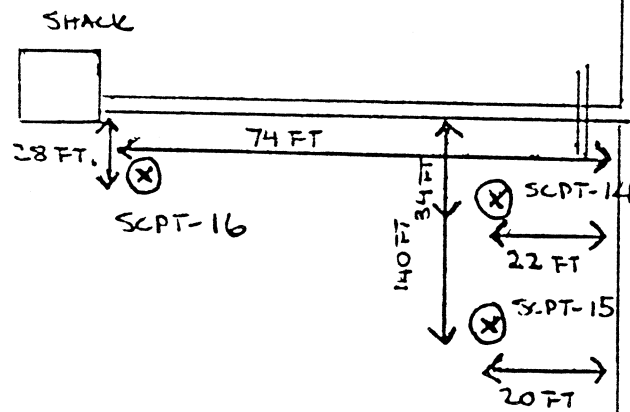


LOCATION MAP

G.S.C.

94-112

MARCH 14-15



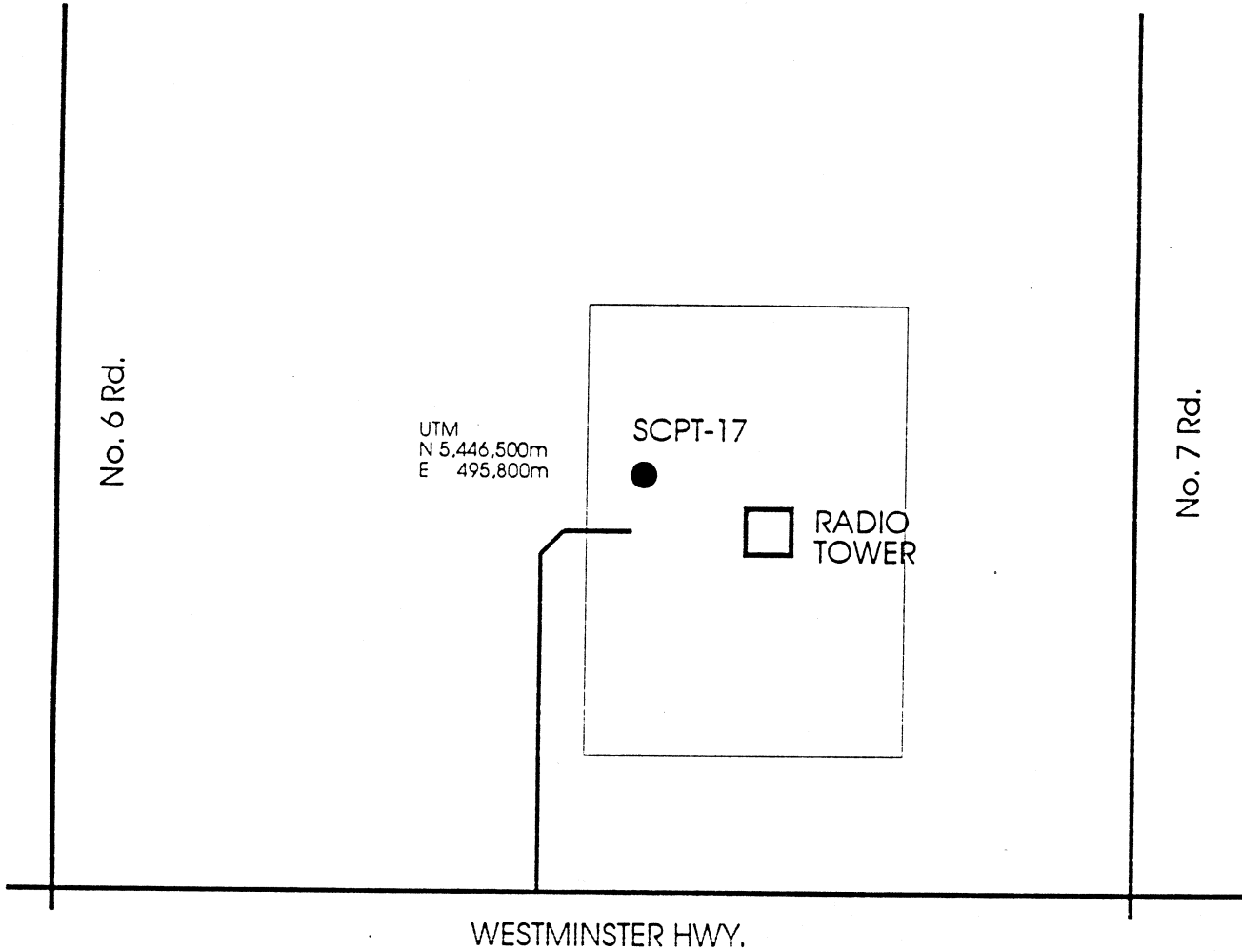
NO. 4

UTM

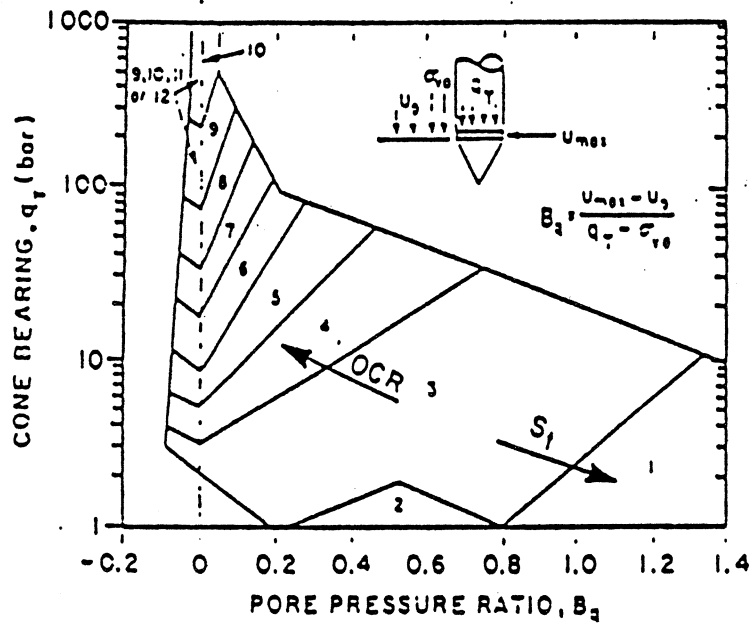
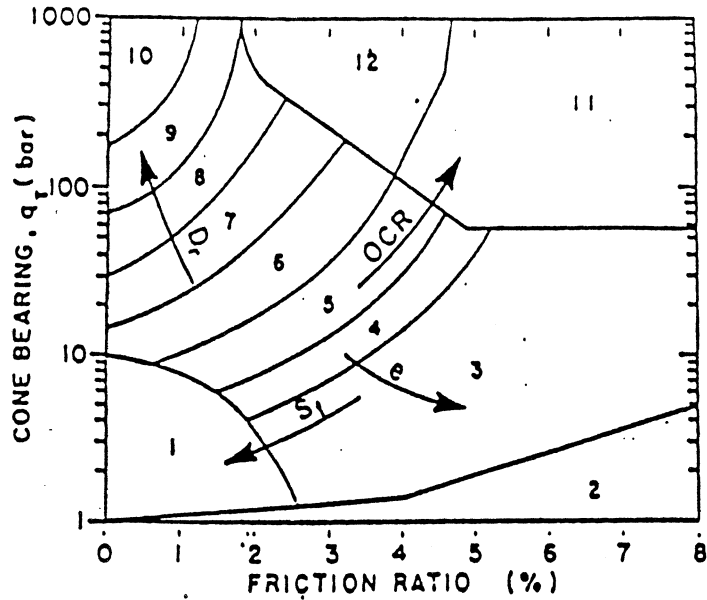
N - 5446500

E - 491750

WESTMINSTER



Location Map
GSC
Richmond
94-112
Mar. 8, 94



Zone	Q_c/N	Soil Behaviour Type
1)	2	sensitive fine grained
2)	1	organic material
3)	1	clay
4)	1.5	silty clay to clay
5)	2	clayey silt to silty clay
6)	2.5	sandy silt to clayey silt
7)	3	silty sand to sandy silt
8)	4	sand to silty sand
9)	5	sand
10)	6	gravelly sand to sand
11)	1	very stiff fine grained (*)
12)	2	sand to clayey sand (*)

(*) overconsolidated or cemented

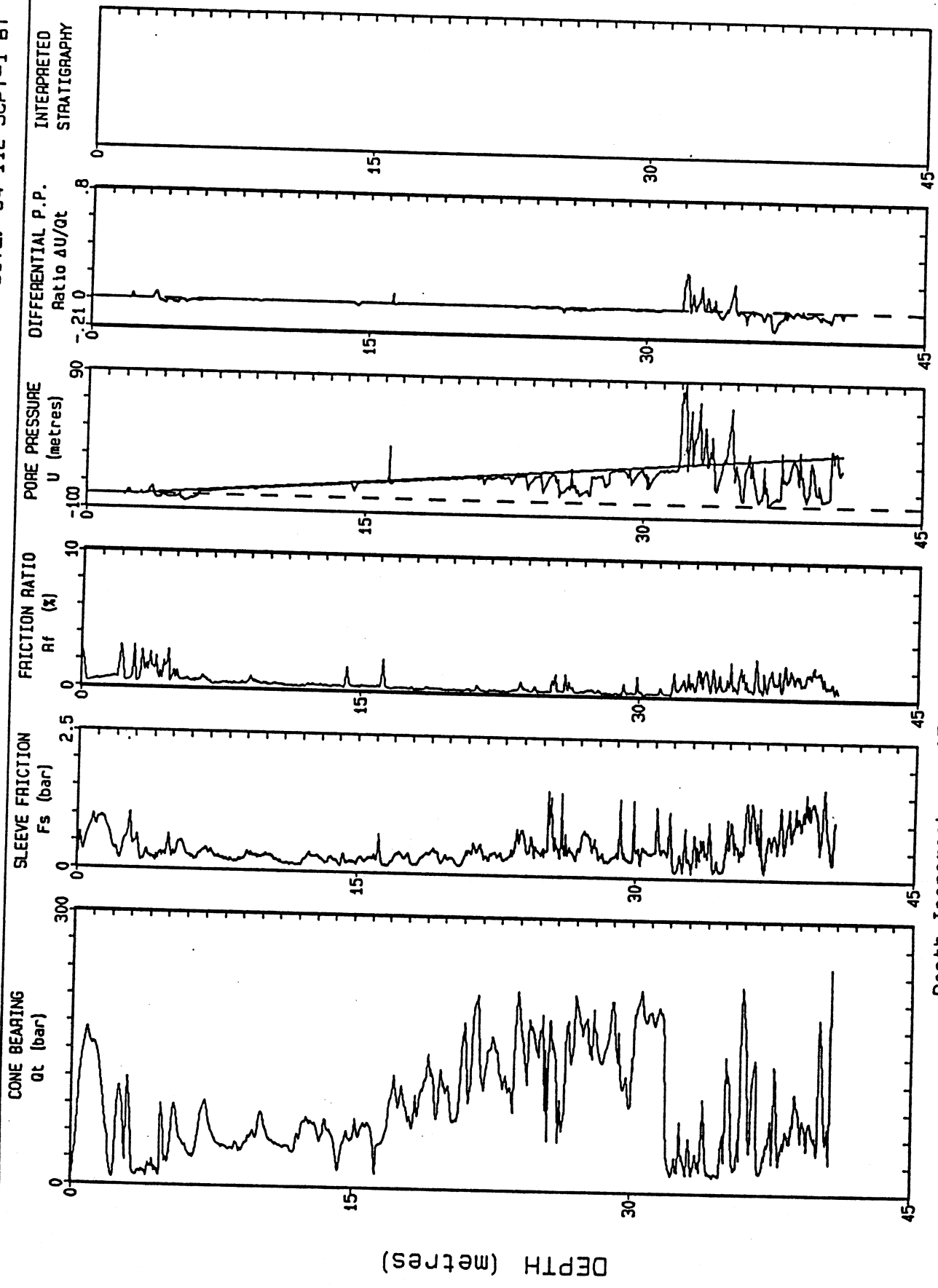
Proposed Soil Behaviour Type Classification System from CPTU Data (After Robertson et al., 1986)

APPENDIX "A"

CPT RESULTS

G . S . C

CONTRACTOR: CONETEC
LOCATION: MASSEY TUNNEL SS
DATE: 02:03:94 08:08
CONE: 5 TON AD 006
FILE: 112cp1.cor
SITE: 94-112 SCPT-1 BT

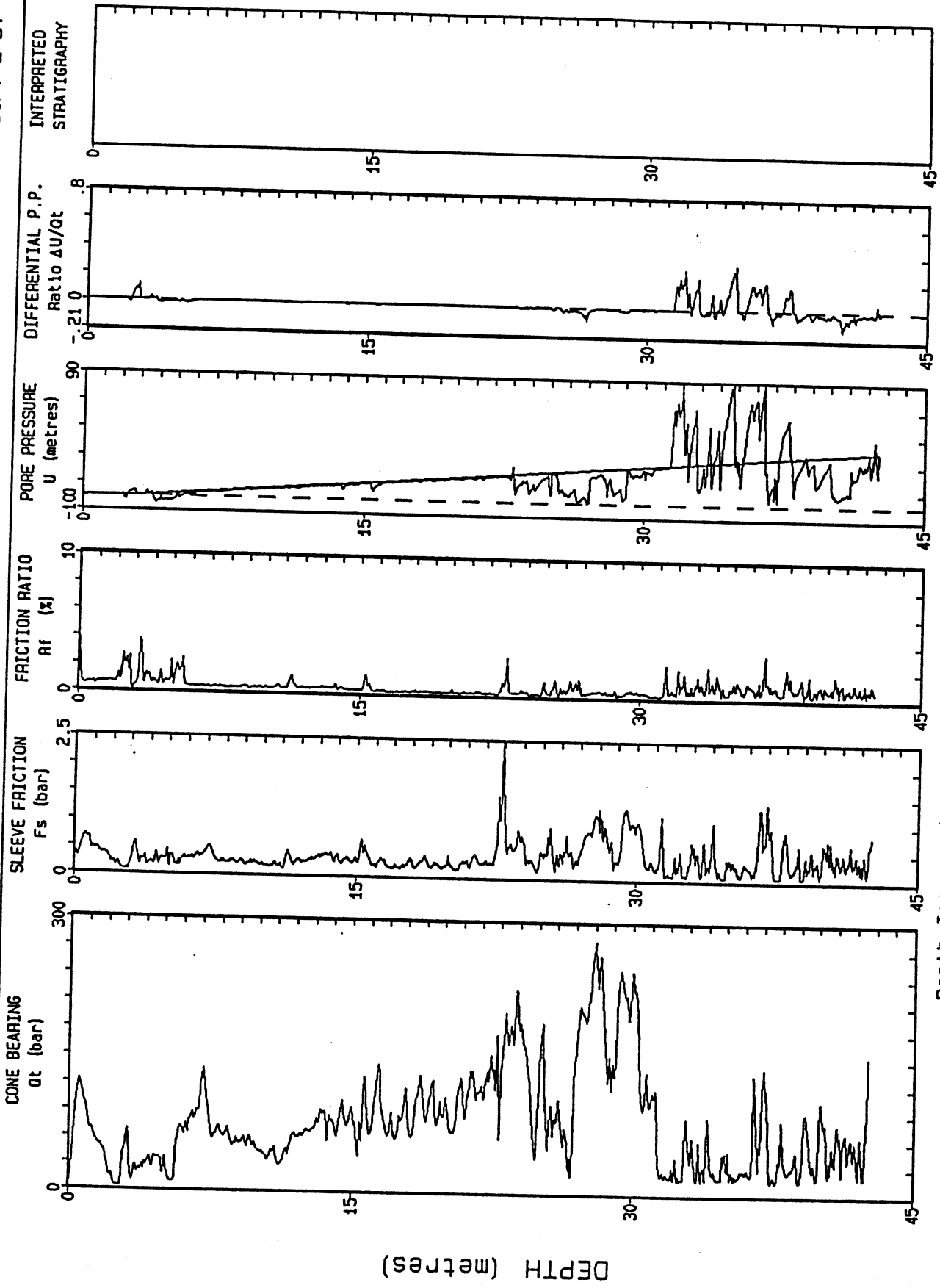


Depth Increment : .05 m
Max Depth : 40.75 m

DEPTH (metres)

G . S . C

CONTRACTOR: CONETEC
LOCATION: MASSEY TUNNEL SS
DATE: 02: 03: 94 11: 11
CONE: 5 TON AD 005
FILE: 112CP2.COR
SITE: 94-112 SCPT-2 BT



Max Depth : 42.60 m

Depth Increment : .05 m

DEPTH (metres)

G . S . C

CONTRACTOR: CONETEC

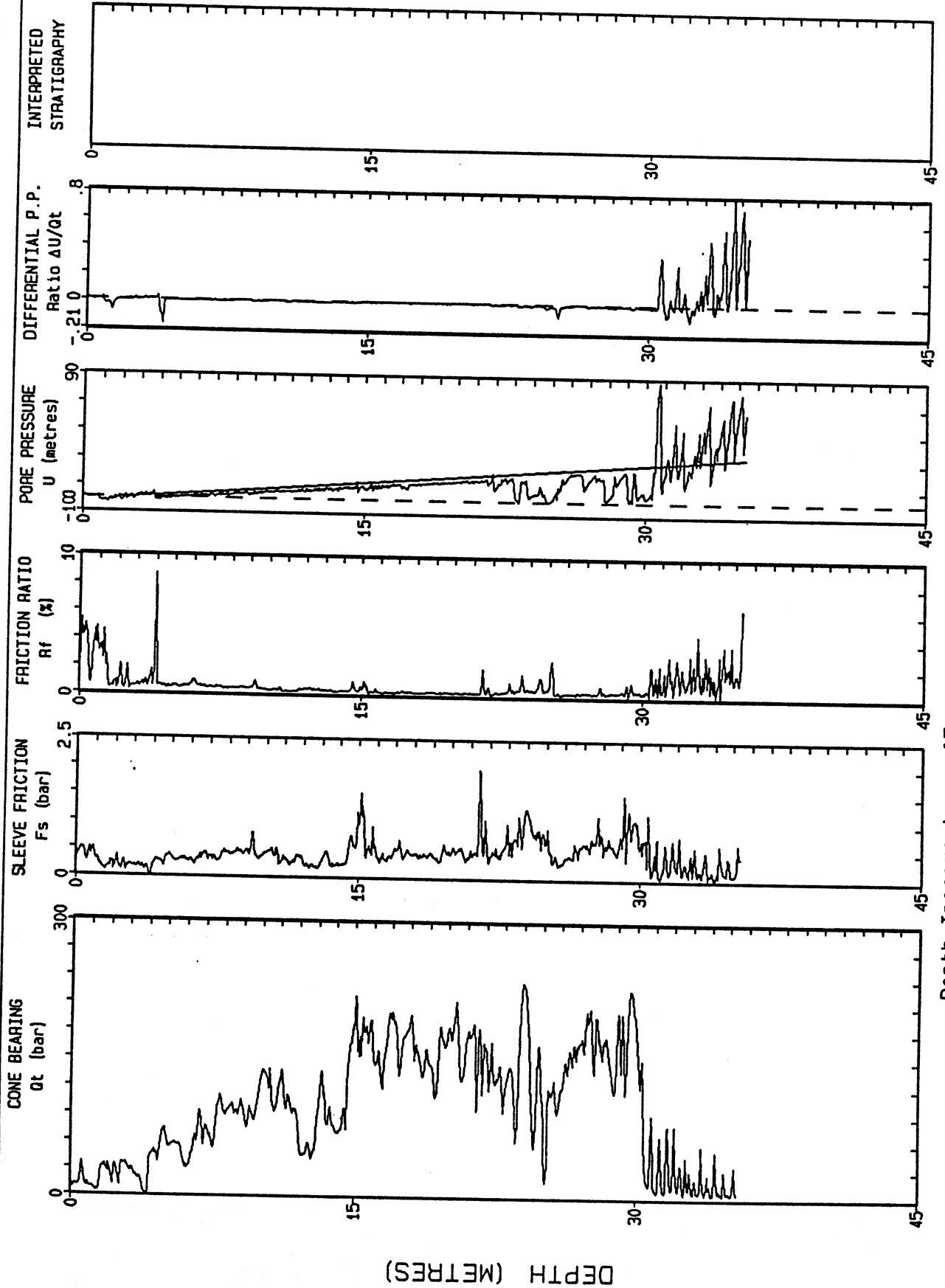
LOCATION: BOST/RIVER RD.

DATE: 02: 08: 94 14: 14

CONE: 10 TON AD 013

FILE: 112CP3.COR

SITE: 94-112 SCPT-3 BT



Depth Increment : .05 m

Max Depth : 35.40 m

G . S . C

CONTRACTOR: CONETEC

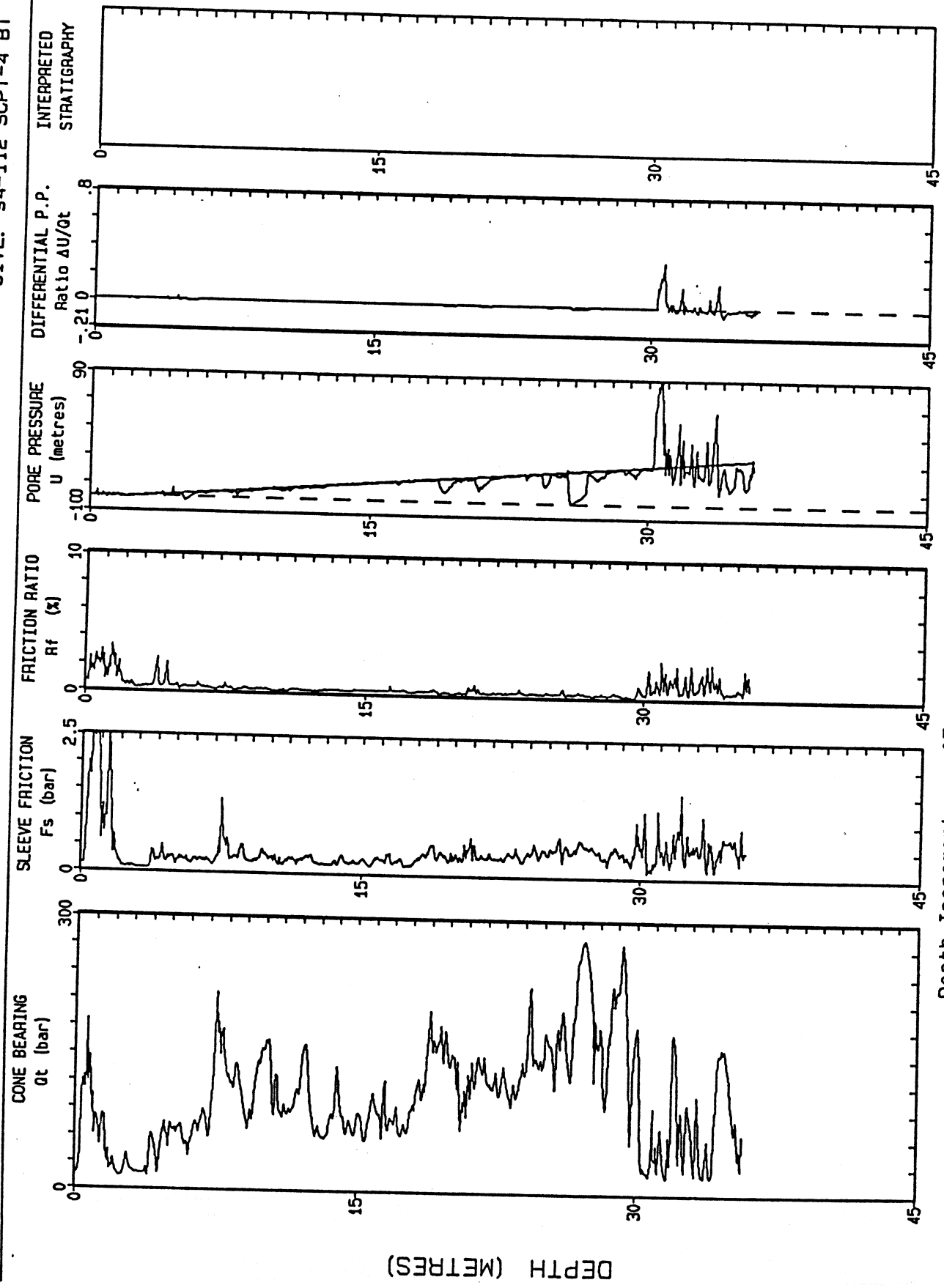
LOCATION: BOST/FRASER RIVR

DATE: 02:10:94 17:06

CONE: 10 TON AD 013

FILE: 112CP4.COR

SITE: 94-112 SCPT-4 BT



Depth Increment : .05 m

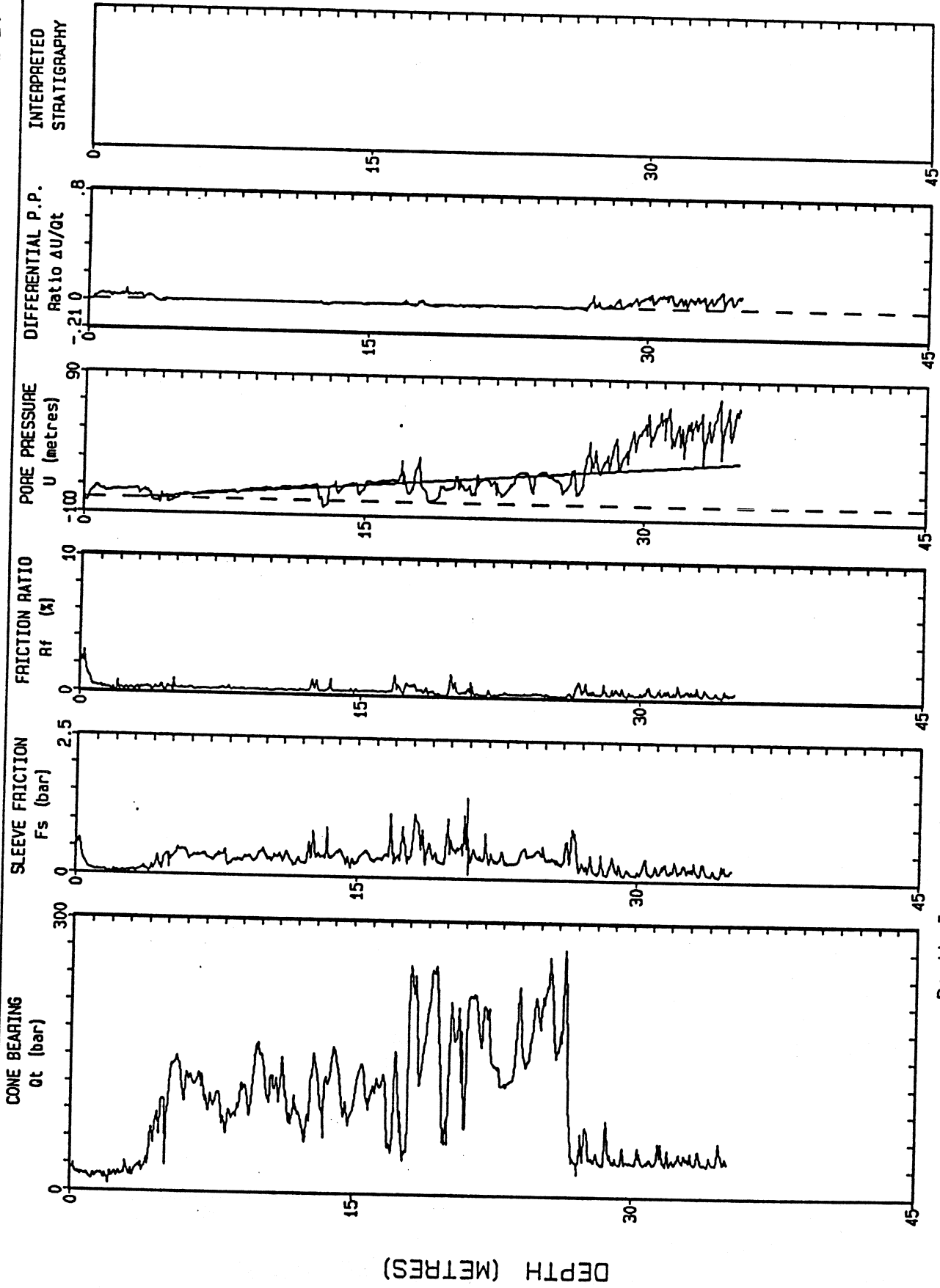
Max Depth : 35.70 m

C . S . C

CONTRACTOR: CONETEC
LOCATION: 4 & WESTMINSTER

DATE: 02:11:94 09:46
CONE: 10 TON AD 013

FILE: 112CP5.COR
SITE: 94-112 SCPT-5 BT

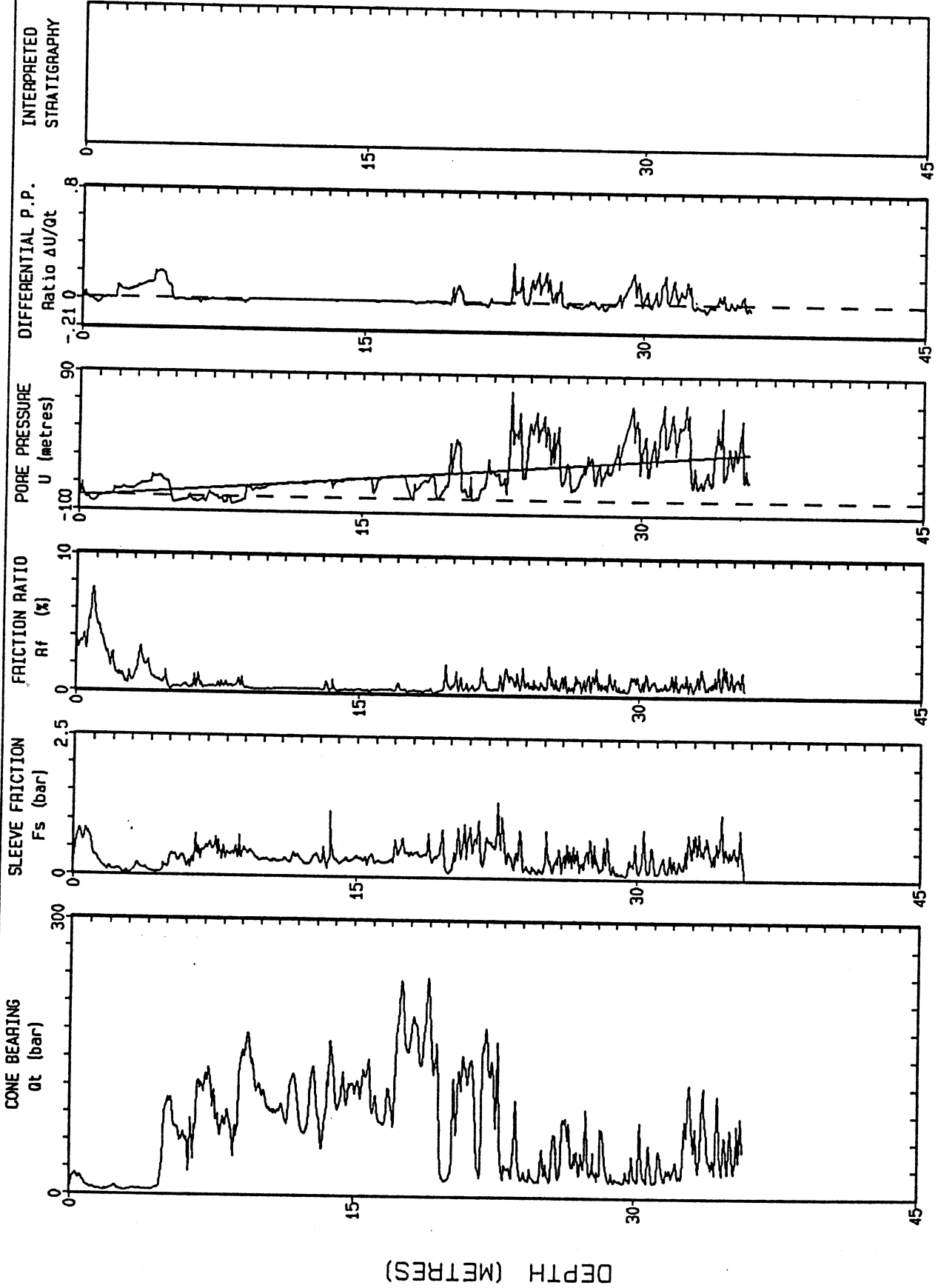


Max Depth : 35.05 m

Depth Increment : .05 m

G . S . C

CONTRACTOR: CONETEC
 LOCATION: BOTH/BCR S DELTA
 DATE: 02: 11: 94 12: 45
 CONE: 10 TON AD 013
 FILE: 112CP6.COR
 SITE: 94-112 SCPT-6 BT

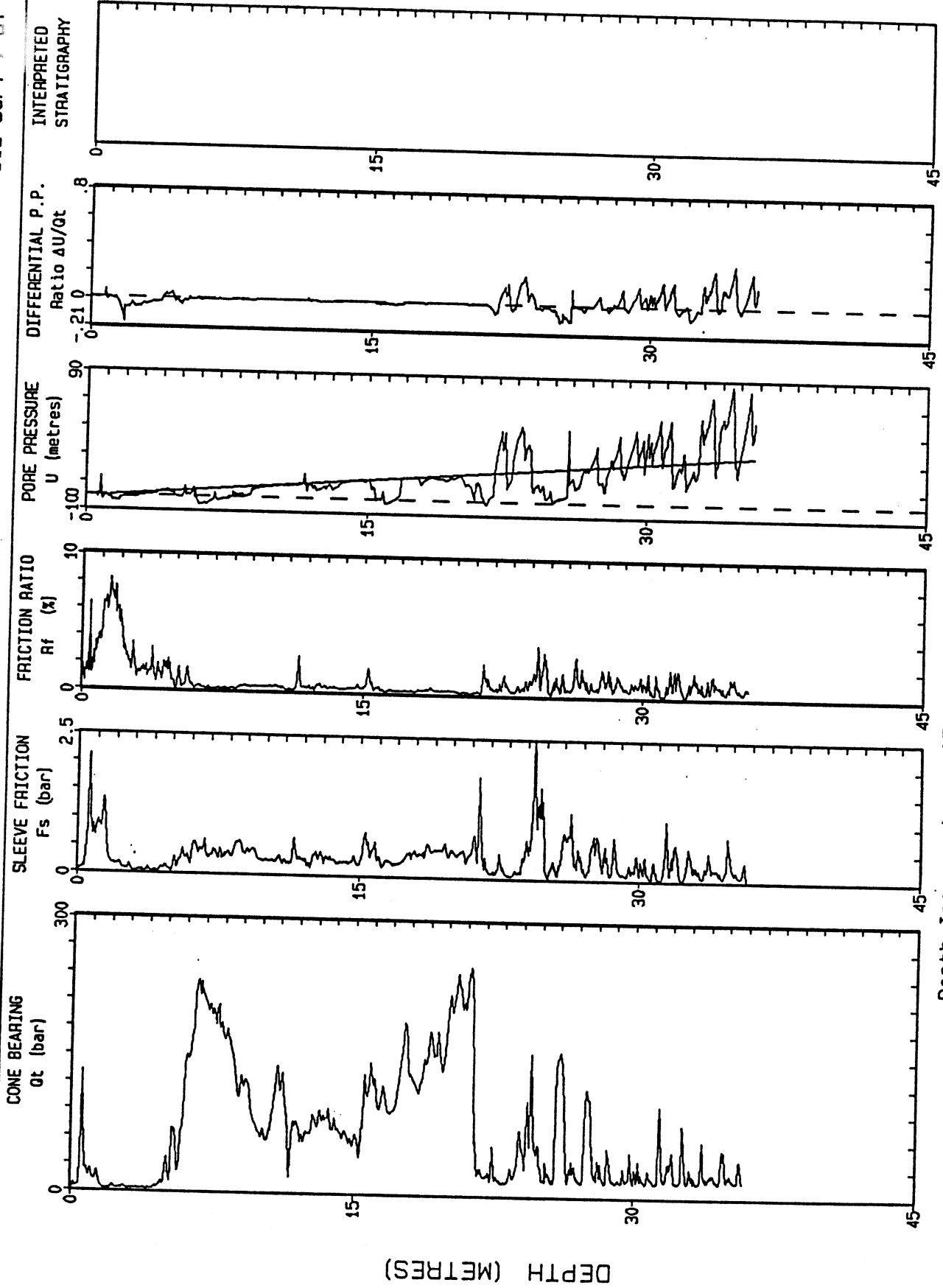


Max Depth : 35.70 m

Depth Increment : .05 m

C . S . C

CONTRACTOR: CONETEC
LOCATION: S.END 88ST DELTA
DATE: 02:11:94 15:27
CONE: 10 TON AD 013
FILE: 112CP7.COR
SITE: 94-112 SCPT-7 BT



Max Depth : 35.75 m

Depth Increment : .05 m

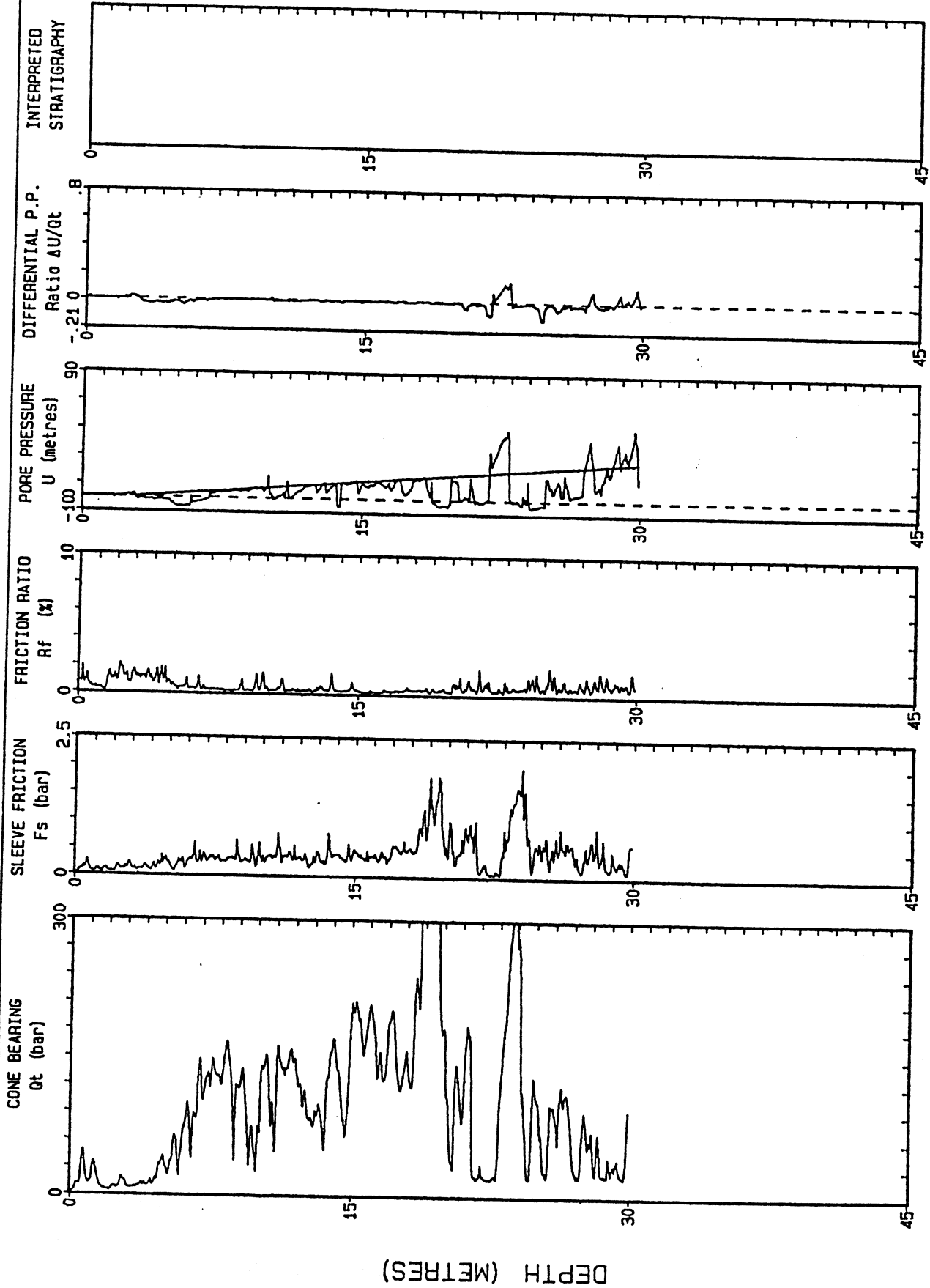
DEPTH (METRES)

G . S . C

CONTRACTOR: CONETEC
LOCATION: END OF 96ST.

DATE: 02: 15: 94 09: 22
CONE: 10 TON AD 013

FILE: 112cp8.cor
SITE: 94-112 CPT-8 BT



Depth Increment : .05 m

Max Depth : 29.90 m

DEPTH (METRES)

G . S . C

CONTRACTOR: CONETEC

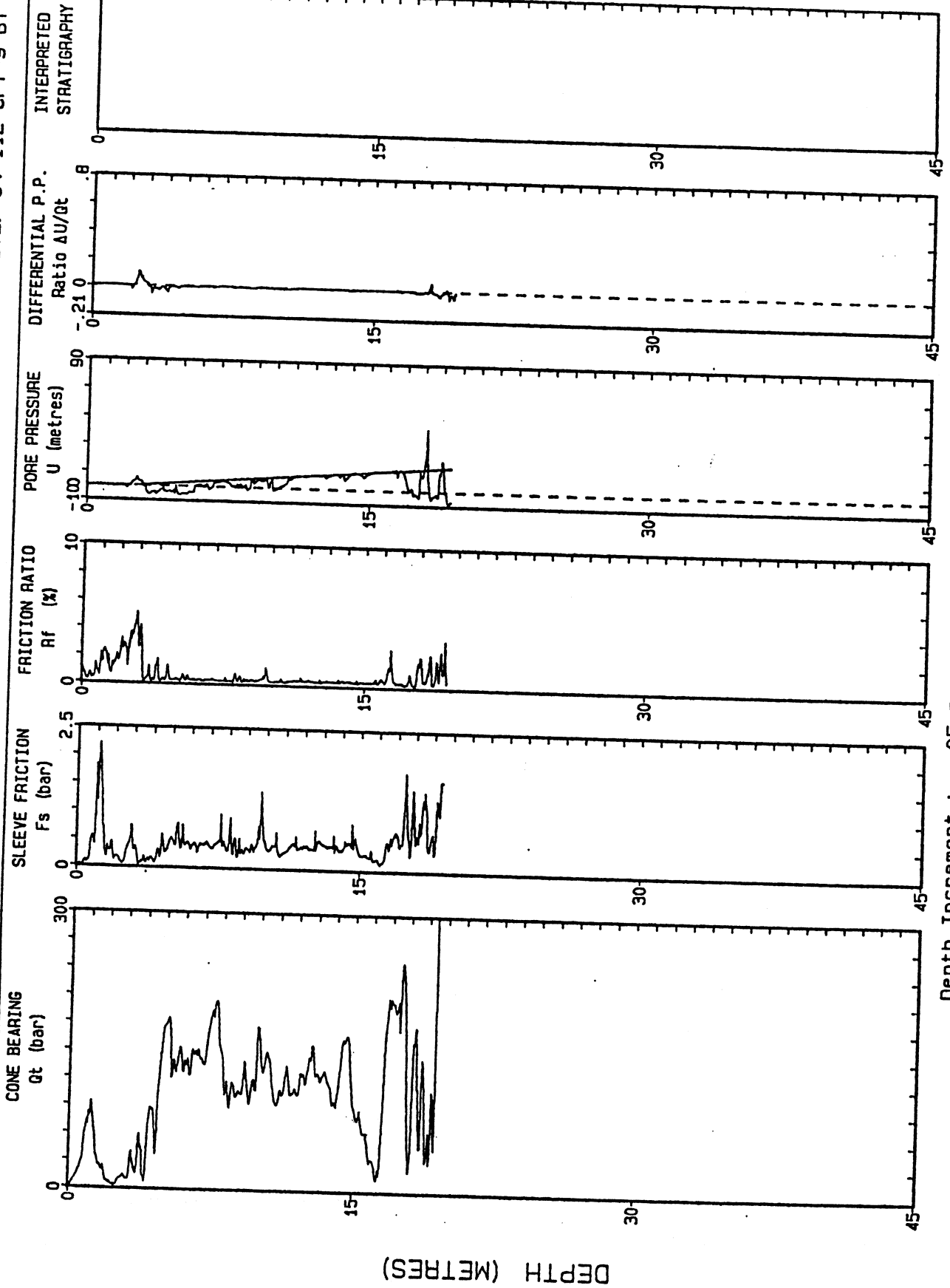
LOCATION: END OF 104ST.

DATE: 02: 15: 94 11: 36

CONE: 10 TON AD 013

FILE: 112cp9.cor

SITE: 94-112 CPT-9 BT



Depth Increment : .05 m

Max Depth : 19.45 m

DEPTH (METRES)

G . S . C

CONTRACTOR: CONETEC

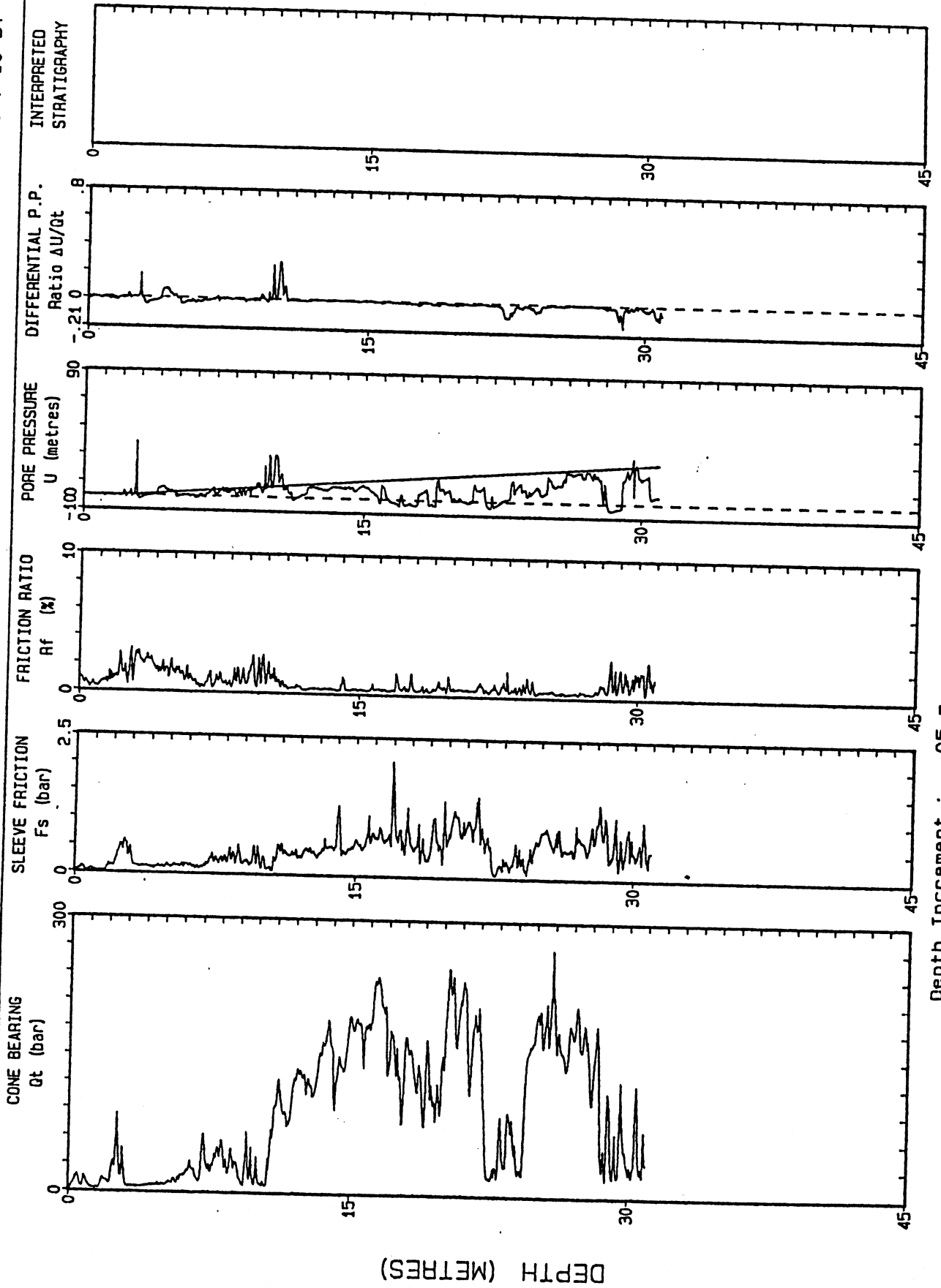
DATE: 02: 15: 94 13: 11

FILE: 112cp10.cor

LOCATION: END OF 112ST.

CONE: 10 TON AD 013

SITE: 94-112 CPT-10 BT



Depth Increment : .05 m

Max Depth : 30.95 m

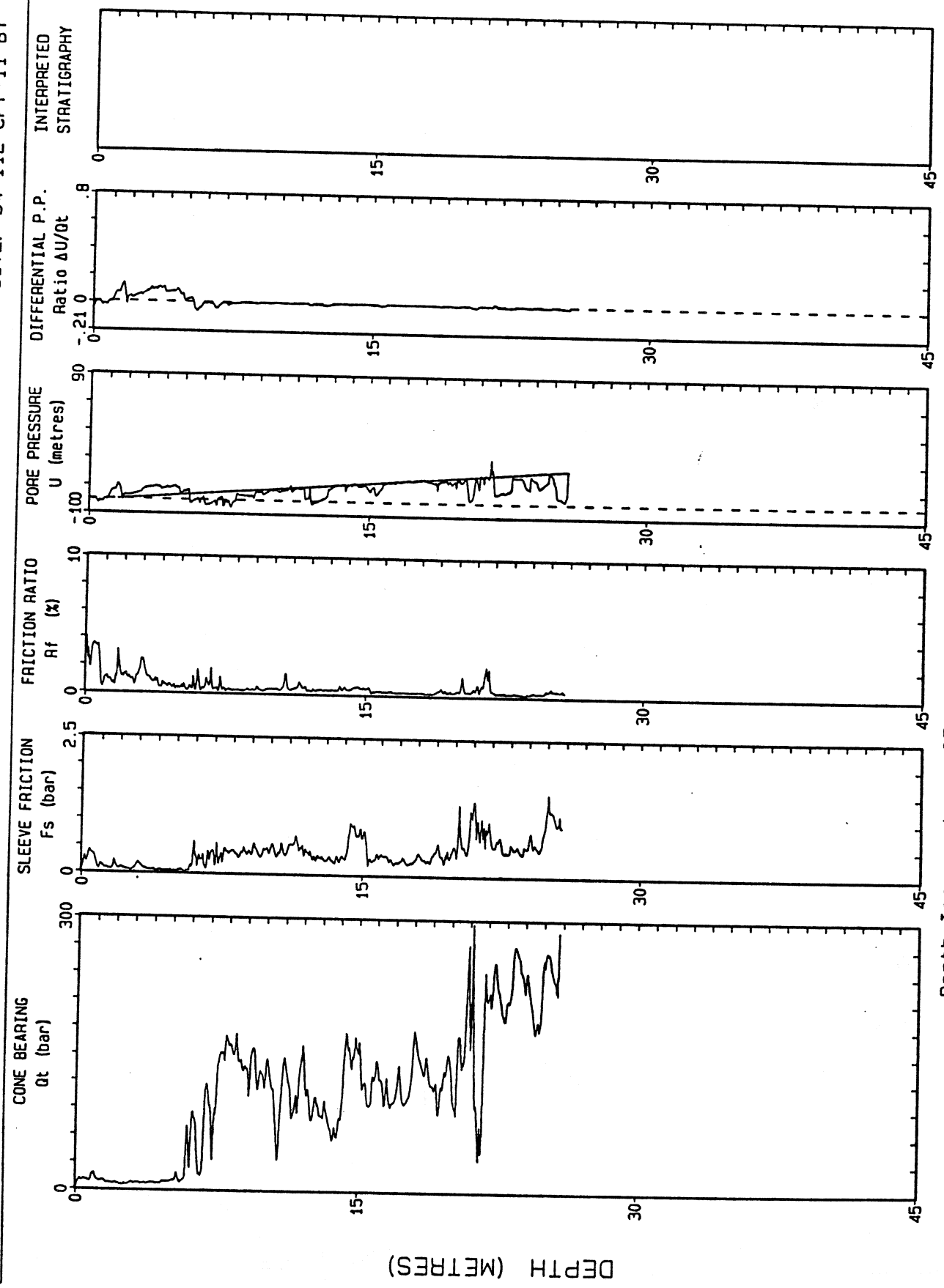
DEPTH (METRES)

G . S . C

ENGINEER: CONETEC
LOCATION: BURN RD./DELTA

DATE: 02:22:94 08:19
CONE: 10 TON AD 013

FILE: 112cp11.cor
SITE: 94-112 CPT-11 BT



DEPTH (METRES)

Depth Increment : .05 m

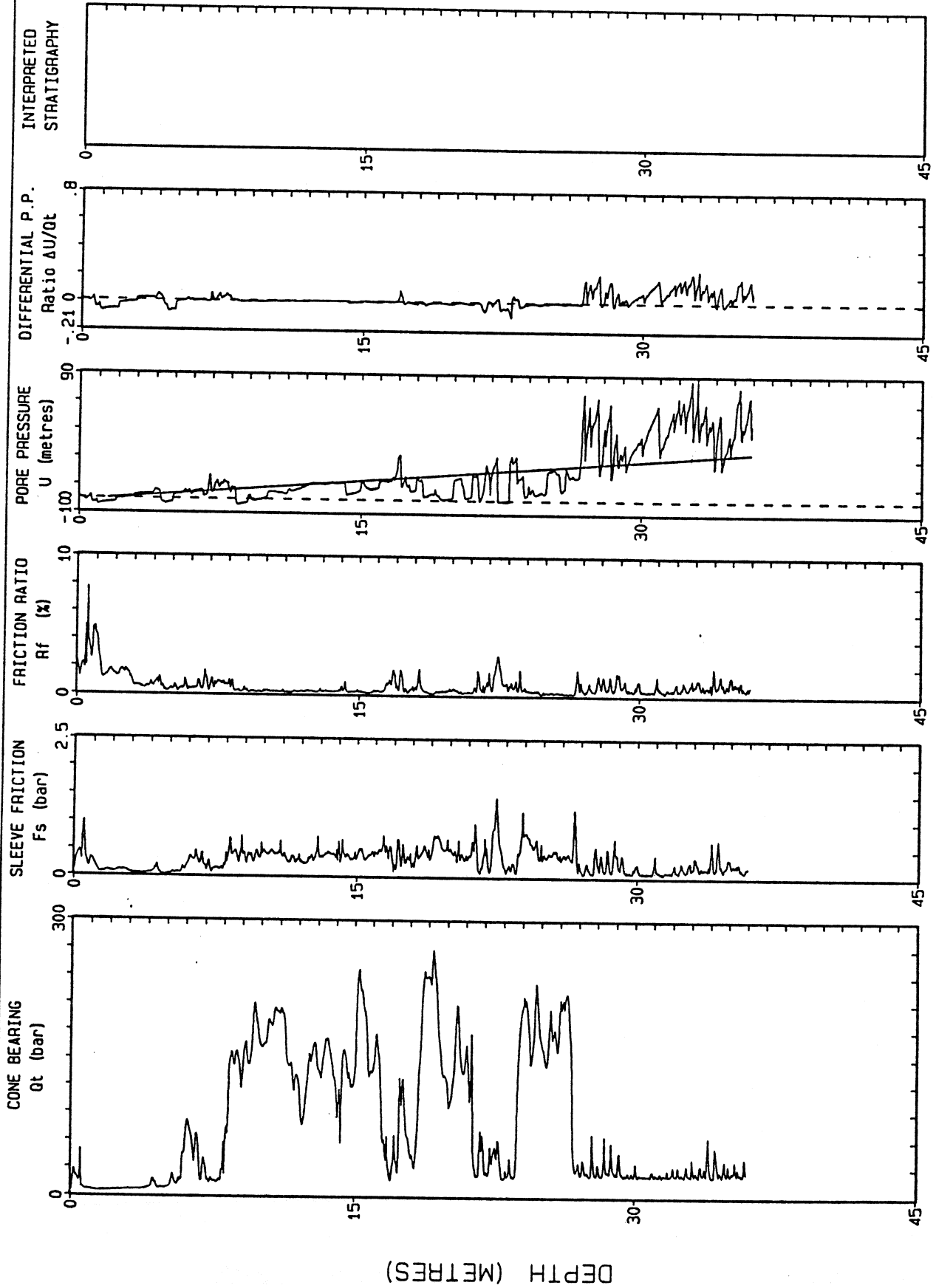
Max Depth : 25.80 m

G . S . C .

ENGINEER: CONETEC
LOCATION: .5 ALONG BURN RD

DATE: 02:22:94 10:56
CONE: 10 TON AD 013

FILE: 112cp12.cor
SITE: 94-112 CPT-12 BT



Depth Increment : .05 m

Max Depth : 35.95 m

DEPTH (METRES)

G . S . C .

ENGINEER: CONETEC

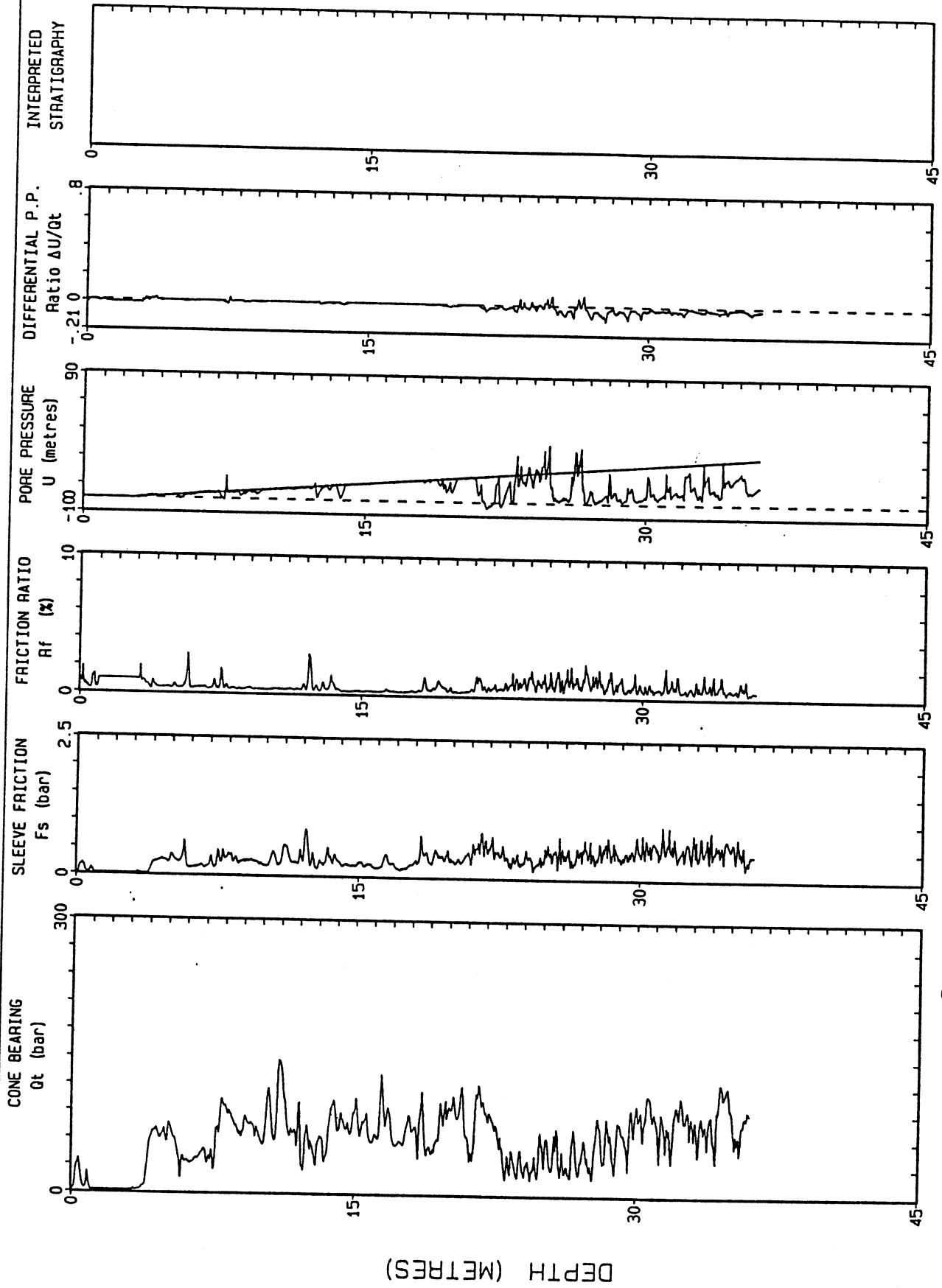
LOCATION: ROB. BANK (13-4)

DATE: 02:22:94 14:16

CONE: TON AD 013 94-

FILE: 112cp13.cor

SITE: 112 CPT-13 BT

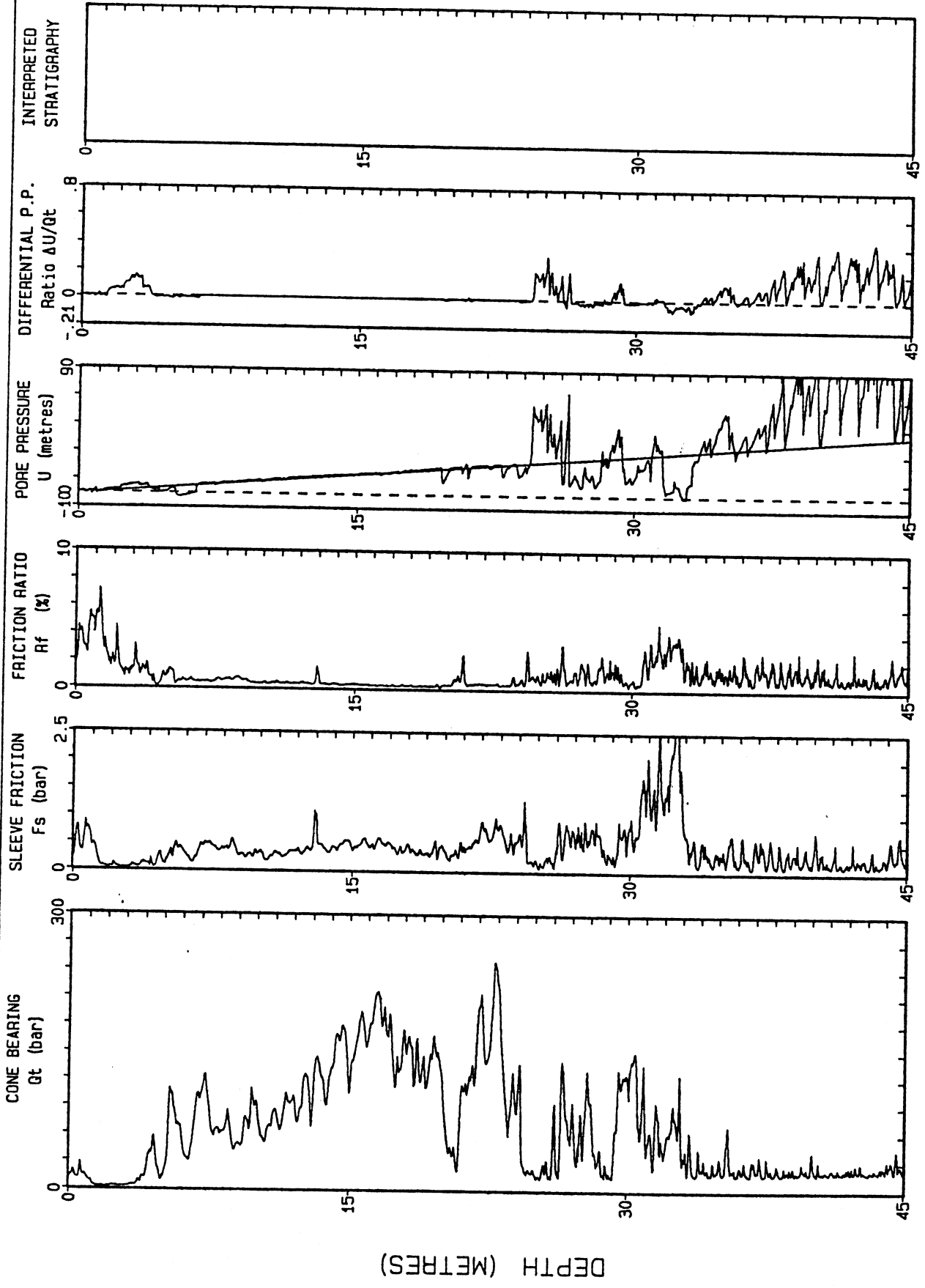


G . S . C

ENGINEER: CONETEC
LOCATION: NO.4/WESTMIN

DATE: 03:02:94 12:38
CONE: 10 TON AD 013

FILE: 112cp14.cor
SITE: 94-112 CPT-14 BT



Depth Increment : .05 m

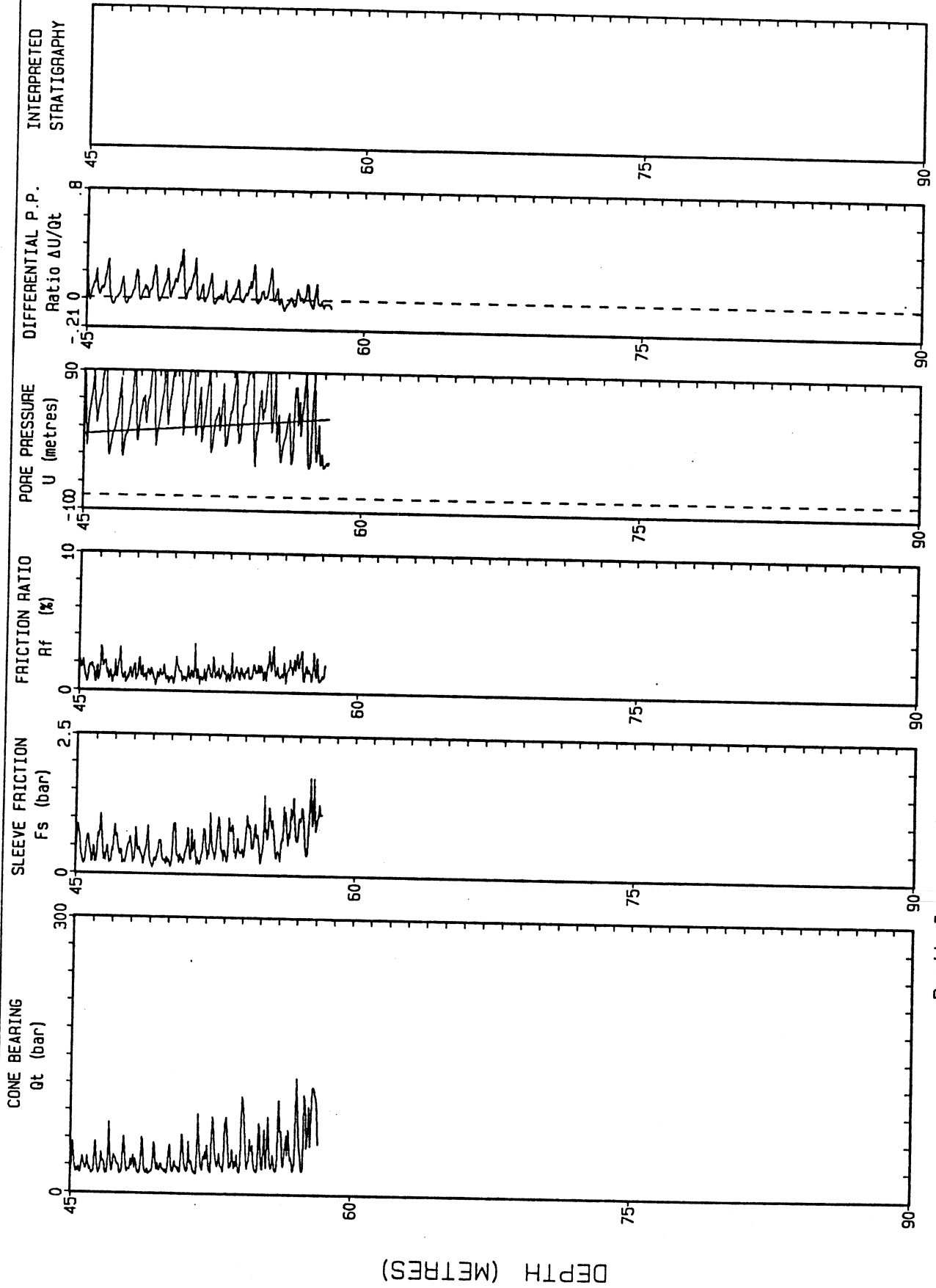
Max Depth : 58.25 m

G . S . C .

ENGINEER: CONETEC
LOCATION: NO.4/WESTMIN

DATE: 03: 02: 94 12: 38
CONE: 10 TON AD 013

FILE: 112cp14.cor
SITE: 94-112 CPT-14 BT



Depth Increment : .05 m

Max Depth : 58.25 m

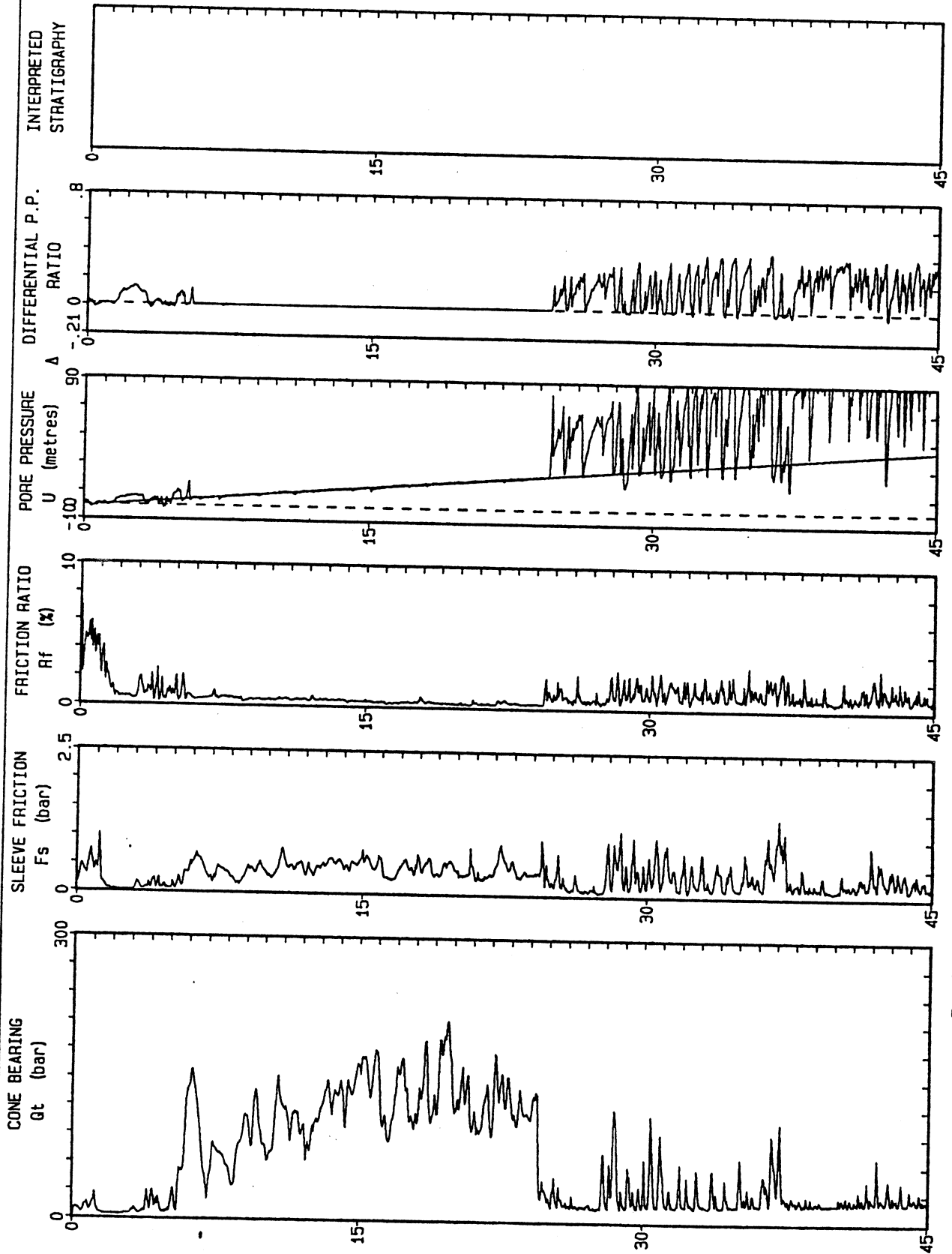
DEPTH (METRES)

G . S . C

CONTRACTOR: CONETEC
LOCATION: NO.4/WESTMIN

DATE: 03:03:94 08:40
CONE: 10 TON AD 013

FILE: 112cd15.cor
HOLE: 94-112 SCPT-15 B



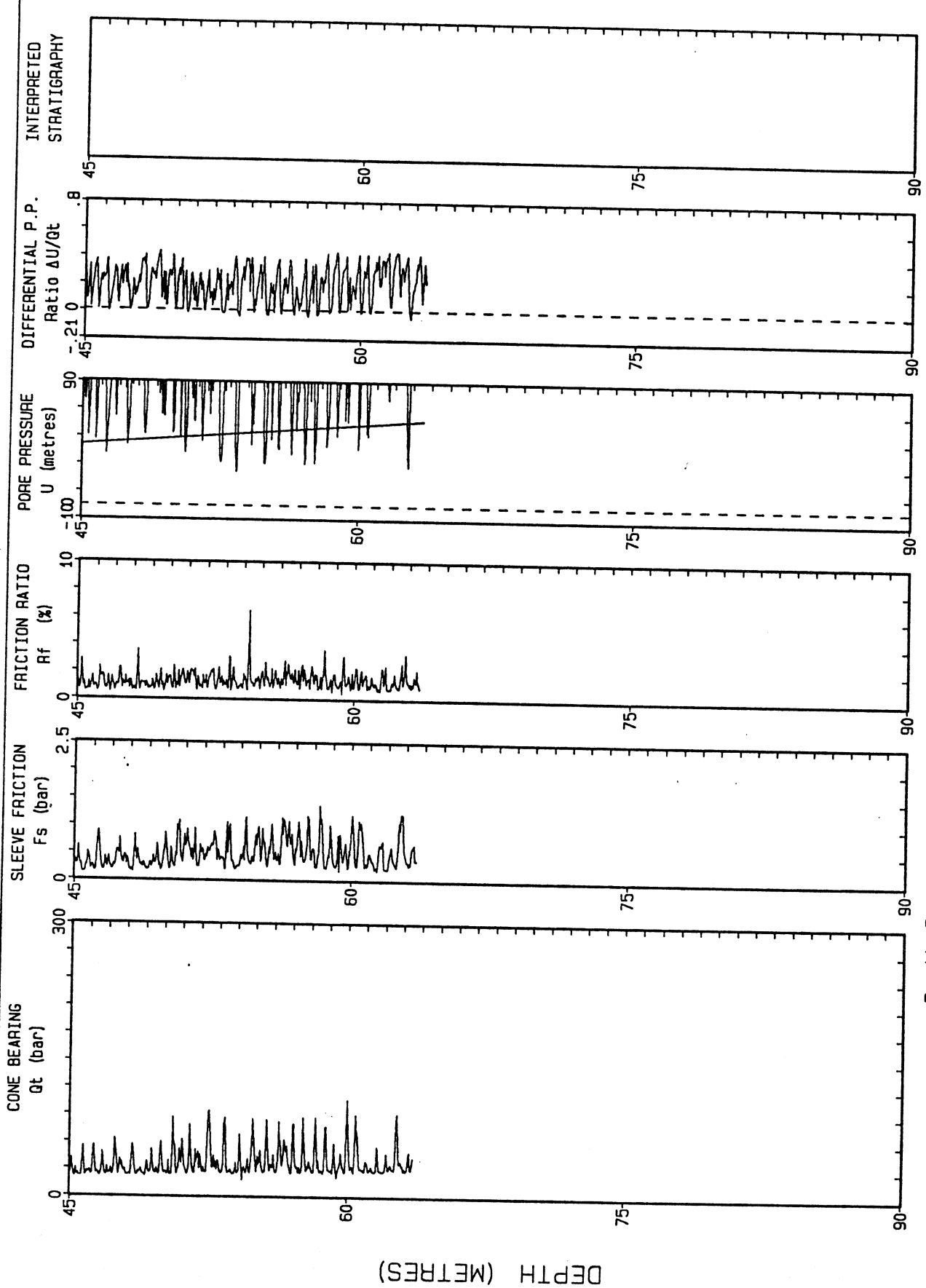
Depth Increment : .05 m

Max Depth : 63.55 m

(W)

G . S . C

ENGINEER: CONETEC
LOCATION: NO.4/WESTMIN
DATE: 03:03:94 08:40
CONE: 10 TON AD 013
FILE: 112CP15.COR
SITE: 94-112 SCPT-15 BT



Depth Increment : .05 m
Max Depth : 63.55 m

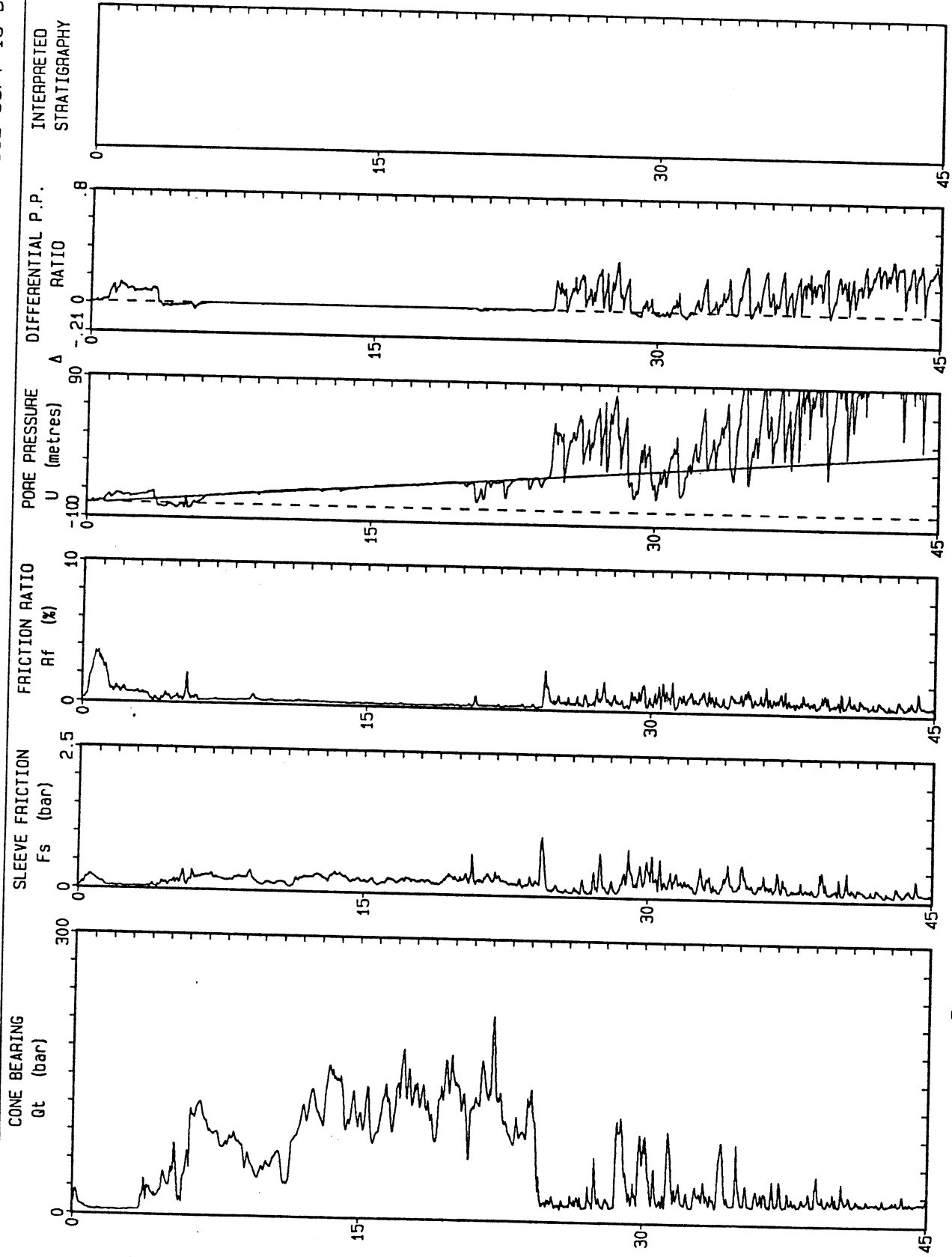
DEPTH (METRES)

G . S . C

CONTRACTOR: CONETEC
LOCATION: NO.4/WESTMIN

DATE: 03:03:94 14:34
CONE: 10 TON AD 066

FILE: 112CP16.COR
HOLE: 94-112 SCPT-16 BT



Depth Increment : .05 m

Max Depth : 55.30 m

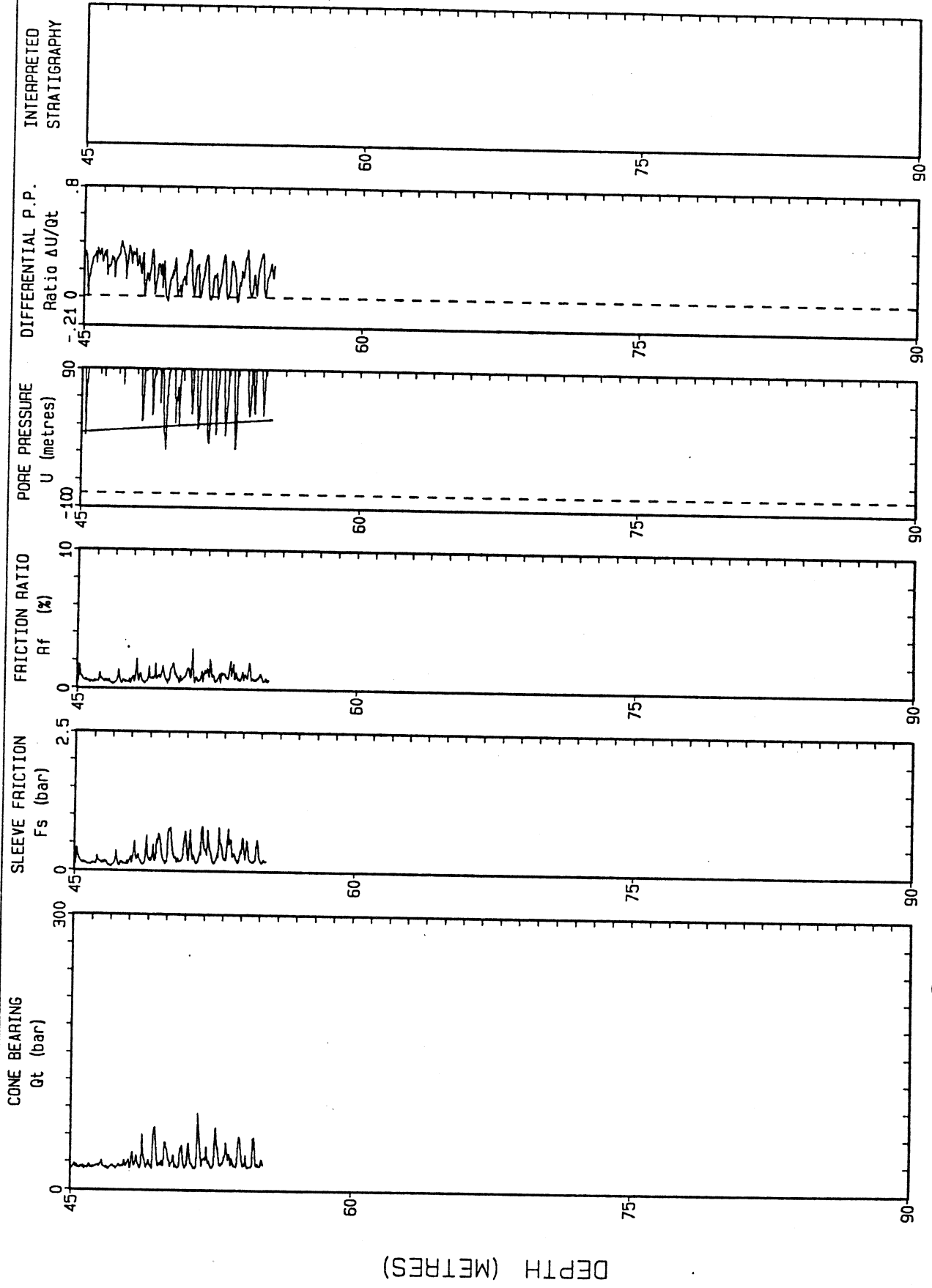
(W)

G . S . C .

ENGINEER: CONETEC
LOCATION: NO.4/WESTMIN

DATE: 03:03:94 14:34
CONE: 10 TON AD 066

FILE: 112CP16.COR
SITE: 94-112 SCPT-16 BT



Depth Increment : .05 m

Max Depth : 55.30 m

G . S . C

CONTRACTOR: CONETEC

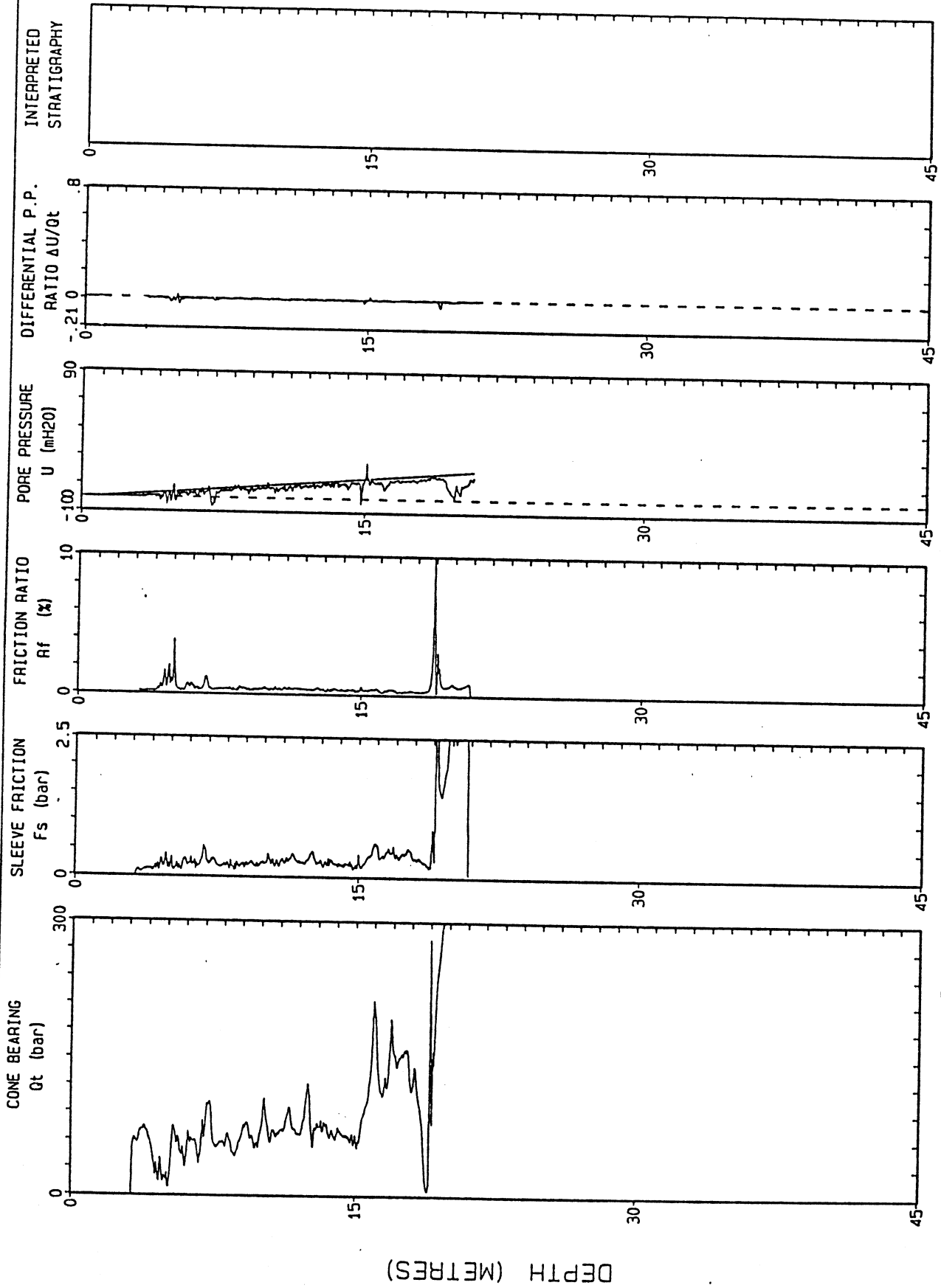
DATE: 03:08:94 12:03

FILE: cpt17a.cor

LOCATION: RADIO TOWER SITE

CONE: 5 TON AD 006

HOLE: 94-112 CPT-17 BT



Depth Increment : .05 m

Max Depth : 20.90 m

DEPTH (METRES)

APPENDIX "B"

CPT BASED INTERPRETATIONS

CONTRACTOR CONETEC
 LOCATION MASSEY TUNNEL SS
 HOLE NUMBER 94-110 SCPT-1 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE 02:03:94 08:08
 CONE USED 5 TON AD 006
 Water table (meters) : 2.8

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	37.11	0.47	1.26	2.37	silty sand to sandy silt	>90	>48	12	UNDEFINED
0.50	1.64	115.50	0.48	0.42	7.12	sand	>90	>48	23	UNDEFINED
0.75	2.46	160.06	0.78	0.49	11.87	sand	>90	>48	32	UNDEFINED
1.00	3.28	163.07	0.88	0.54	16.62	sand	>90	>48	33	UNDEFINED
1.25	4.10	155.56	0.94	0.60	21.37	sand	>90	>48	31	UNDEFINED
1.50	4.92	136.57	0.90	0.66	26.11	sand	>90	>48	27	UNDEFINED
1.75	5.74	91.50	0.68	0.74	30.86	sand to silty sand	80-90	46-48	23	UNDEFINED
2.00	6.56	48.76	0.40	0.82	35.61	silty sand to sandy silt	60-70	40-42	16	UNDEFINED
2.25	7.38	11.78	0.27	2.29	40.36	clayey silt to silty clay	UNDFND	UNDFD	6	91.0
2.50	8.20	77.51	0.38	0.49	45.11	sand to silty sand	70-80	40-42	19	UNDEFINED
2.75	9.02	88.18	0.70	0.80	49.86	sand to silty sand	70-80	40-42	22	UNDEFINED
3.00	9.84	75.94	0.61	0.80	53.87	sand to silty sand	60-70	40-42	19	UNDEFINED
3.25	10.66	48.70	0.49	1.01	56.16	silty sand to sandy silt	50-60	36-38	16	UNDEFINED
3.50	11.48	11.58	0.17	1.50	58.46	clayey silt to silty clay	UNDFND	UNDFD	6	87.5
3.75	12.30	15.22	0.28	1.84	60.76	sandy silt to clayey silt	UNDFND	UNDFD	6	116.2
4.00	13.12	13.88	0.21	1.54	63.05	sandy silt to clayey silt	UNDFND	UNDFD	6	105.1
4.25	13.94	22.35	0.19	0.86	65.35	silty sand to sandy silt	<40	30-32	7	UNDEFINED
4.50	14.76	18.06	0.29	1.58	67.65	sandy silt to clayey silt	UNDFND	UNDFD	7	137.8
4.75	15.58	39.33	0.30	0.76	69.94	silty sand to sandy silt	40-50	34-36	13	UNDEFINED
5.00	16.40	44.41	0.43	0.97	72.24	silty sand to sandy silt	40-50	34-36	15	UNDEFINED
5.25	17.22	35.01	0.28	0.79	74.54	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
5.50	18.04	82.75	0.49	0.59	76.83	sand to silty sand	60-70	38-40	21	UNDEFINED
5.75	18.86	63.51	0.42	0.66	79.13	sand to silty sand	50-60	36-38	16	UNDEFINED
6.00	19.69	47.33	0.25	0.54	81.43	sand to silty sand	40-50	34-36	12	UNDEFINED
6.25	20.51	38.26	0.21	0.54	83.72	silty sand to sandy silt	40-50	32-34	13	UNDEFINED
6.50	21.33	32.52	0.25	0.76	86.02	silty sand to sandy silt	<40	30-32	11	UNDEFINED
6.75	22.15	51.30	0.33	0.65	88.32	sand to silty sand	40-50	34-36	13	UNDEFINED
7.00	22.97	84.23	0.35	0.42	90.61	sand to silty sand	60-70	36-38	21	UNDEFINED
7.25	23.79	85.36	0.31	0.37	92.91	sand	60-70	36-38	17	UNDEFINED
7.50	24.61	61.62	0.24	0.39	95.21	sand to silty sand	50-60	34-36	15	UNDEFINED
7.75	25.43	50.34	0.22	0.43	97.50	sand to silty sand	40-50	32-34	13	UNDEFINED
8.00	26.25	44.79	0.18	0.41	99.80	sand to silty sand	40-50	32-34	11	UNDEFINED
8.25	27.07	44.31	0.18	0.41	102.10	sand to silty sand	40-50	32-34	11	UNDEFINED
8.50	27.89	41.37	0.16	0.38	104.39	sand to silty sand	40-50	32-34	10	UNDEFINED
8.75	28.71	44.39	0.19	0.43	106.69	sand to silty sand	40-50	32-34	11	UNDEFINED
9.00	29.53	42.44	0.23	0.54	108.99	sand to silty sand	40-50	32-34	11	UNDEFINED
9.25	30.35	44.48	0.31	0.69	111.28	sand to silty sand	40-50	32-34	11	UNDEFINED
9.50	31.17	52.67	0.27	0.51	113.58	sand to silty sand	40-50	32-34	13	UNDEFINED

Dr - All sands (Janiolowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	58.57	0.25	0.42	115.88	sand to silty sand	40-50	32-34	15	UNDEFINED
10.00	32.81	67.39	0.26	0.39	118.17	sand to silty sand	50-60	34-36	17	UNDEFINED
10.25	33.63	75.64	0.28	0.38	120.47	sand to silty sand	50-60	34-36	19	UNDEFINED
10.50	34.45	57.26	0.24	0.41	122.77	sand to silty sand	40-50	32-34	14	UNDEFINED
10.75	35.27	50.85	0.19	0.37	125.06	sand to silty sand	40-50	32-34	13	UNDEFINED
11.00	36.09	47.52	0.16	0.33	127.36	sand to silty sand	40-50	30-32	12	UNDEFINED
11.25	36.91	44.86	0.14	0.30	129.66	sand to silty sand	40-50	30-32	11	UNDEFINED
11.50	37.73	45.00	0.13	0.29	131.95	sand to silty sand	40-50	30-32	11	UNDEFINED
11.75	38.55	41.16	0.12	0.29	134.25	sand to silty sand	<40	30-32	10	UNDEFINED
12.00	39.37	46.20	0.13	0.27	136.55	sand to silty sand	40-50	30-32	12	UNDEFINED
12.25	40.19	59.06	0.23	0.39	138.84	sand to silty sand	40-50	32-34	15	UNDEFINED
12.50	41.01	73.26	0.30	0.41	141.14	sand to silty sand	50-60	34-36	18	UNDEFINED
12.75	41.83	73.38	0.27	0.37	143.44	sand to silty sand	50-60	32-34	18	UNDEFINED
13.00	42.65	70.24	0.27	0.38	145.73	sand to silty sand	50-60	32-34	18	UNDEFINED
13.25	43.47	56.57	0.19	0.33	148.03	sand to silty sand	40-50	30-32	14	UNDEFINED
13.50	44.29	63.31	0.20	0.32	150.33	sand to silty sand	40-50	32-34	16	UNDEFINED
13.75	45.11	66.68	0.25	0.37	152.62	sand to silty sand	40-50	32-34	17	UNDEFINED
14.00	45.93	58.60	0.19	0.33	154.92	sand to silty sand	40-50	30-32	15	UNDEFINED
14.25	46.75	32.06	0.21	0.65	157.22	silty sand to sandy silt	<40	<30	11	UNDEFINED
14.50	47.57	37.72	0.20	0.52	159.51	silty sand to sandy silt	<40	<30	13	UNDEFINED
14.75	48.39	56.76	0.19	0.34	161.81	sand to silty sand	40-50	30-32	14	UNDEFINED
15.00	49.21	53.37	0.17	0.33	164.10	sand to silty sand	40-50	30-32	13	UNDEFINED
15.25	50.03	65.93	0.26	0.40	166.40	sand to silty sand	40-50	32-34	16	UNDEFINED
15.50	50.85	61.12	0.21	0.35	168.70	sand to silty sand	40-50	30-32	15	UNDEFINED
15.75	51.67	69.09	0.26	0.38	170.99	sand to silty sand	40-50	32-34	17	UNDEFINED
16.00	52.49	70.17	0.26	0.37	173.29	sand to silty sand	40-50	32-34	18	UNDEFINED
16.25	53.31	38.66	0.43	1.10	175.59	silty sand to sandy silt	<40	<30	13	UNDEFINED
16.50	54.13	44.25	0.18	0.40	177.88	sand to silty sand	<40	<30	11	UNDEFINED
16.75	54.95	50.47	0.14	0.27	180.18	sand to silty sand	<40	<30	13	UNDEFINED
17.00	55.77	67.63	0.21	0.31	182.48	sand to silty sand	40-50	30-32	17	UNDEFINED
17.25	56.59	102.58	0.33	0.32	184.77	sand	50-60	34-36	21	UNDEFINED
17.50	57.41	107.51	0.34	0.31	187.07	sand	60-70	34-36	22	UNDEFINED
17.75	58.23	102.93	0.29	0.28	189.37	sand	50-60	34-36	21	UNDEFINED
18.00	59.06	91.23	0.25	0.28	191.66	sand	50-60	32-34	18	UNDEFINED
18.25	59.88	74.38	0.16	0.22	193.96	sand to silty sand	40-50	30-32	19	UNDEFINED
18.50	60.70	85.80	0.23	0.27	196.26	sand	50-60	32-34	17	UNDEFINED
18.75	61.52	94.37	0.33	0.35	198.55	sand	50-60	32-34	19	UNDEFINED
19.00	62.34	114.80	0.36	0.32	200.85	sand	60-70	34-36	23	UNDEFINED
19.25	63.16	135.56	0.41	0.30	203.15	sand	60-70	34-36	27	UNDEFINED
19.50	63.98	123.35	0.35	0.28	205.44	sand	60-70	34-36	25	UNDEFINED
19.75	64.80	86.44	0.22	0.26	207.74	sand	50-60	32-34	17	UNDEFINED
20.00	65.62	122.45	0.29	0.24	210.04	sand	60-70	34-36	24	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Mk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	110.50	0.29	0.26	212.33					
20.50	67.26	84.94	0.20	0.24	214.63	sand	50-60	34-36	22	UNDEFINED
20.75	68.08	77.35	0.18	0.24	216.93	sand	50-60	32-34	17	UNDEFINED
21.00	68.90	127.65	0.34	0.26	219.22	sand	40-50	30-32	15	UNDEFINED
21.25	69.72	157.96	0.40	0.25	221.52	sand	60-70	34-36	26	UNDEFINED
21.50	70.54	117.25	0.48	0.41	223.82	sand	60-70	36-38	32	UNDEFINED
21.75	71.36	200.99	0.48	0.24	226.11	sand	60-70	34-36	23	UNDEFINED
22.00	72.18	159.74	0.33	0.21	228.41	gravelly sand to sand	70-80	36-38	33	UNDEFINED
22.25	73.00	119.05	0.29	0.25	230.71	sand	60-70	34-36	32	UNDEFINED
22.50	73.82	152.24	0.39	0.25	233.00	sand	60-70	32-34	24	UNDEFINED
22.75	74.64	164.20	0.35	0.22	235.30	sand	60-70	34-36	30	UNDEFINED
23.00	75.46	143.77	0.30	0.21	237.60	sand	60-70	34-36	29	UNDEFINED
23.25	76.28	119.37	0.31	0.26	239.89	sand	60-70	34-36	29	UNDEFINED
23.50	77.10	115.23	0.39	0.33	242.19	sand	50-60	32-34	24	UNDEFINED
23.75	77.92	106.05	0.67	0.63	244.49	sand	50-60	32-34	23	UNDEFINED
24.00	78.74	202.93	0.77	0.38	246.78	sand	50-60	32-34	21	UNDEFINED
24.25	79.56	175.92	0.48	0.27	249.08	sand	70-80	36-38	41	UNDEFINED
24.50	80.38	137.74	0.58	0.42	251.38	sand	70-80	36-38	35	UNDEFINED
24.75	81.20	183.19	0.45	0.25	253.67	sand	60-70	34-36	28	UNDEFINED
25.00	82.02	161.85	0.41	0.25	255.97	sand	70-80	36-38	37	UNDEFINED
25.25	82.84	168.75	0.44	0.26	258.27	sand	60-70	34-36	32	UNDEFINED
25.50	83.66	140.76	1.26	0.90	260.56	sand	60-70	34-36	34	UNDEFINED
25.75	84.48	146.69	0.62	0.42	262.86	sand	60-70	34-36	28	UNDEFINED
26.00	85.30	155.35	0.47	0.31	265.16	sand	60-70	34-36	29	UNDEFINED
26.25	86.12	84.04	0.73	0.87	267.45	sand	60-70	34-36	31	UNDEFINED
26.50	86.94	92.70	0.44	0.48	269.75	sand to silty sand	40-50	30-32	21	UNDEFINED
26.75	87.76	173.54	0.38	0.22	272.04	sand	50-60	30-32	19	UNDEFINED
27.00	88.58	165.36	0.45	0.27	274.34	sand	60-70	34-36	35	UNDEFINED
27.25	89.40	203.02	0.74	0.36	276.64	sand	60-70	34-36	33	UNDEFINED
27.50	90.22	180.34	0.75	0.42	278.93	sand	70-80	36-38	41	UNDEFINED
27.75	91.04	178.70	0.54	0.30	281.23	sand	60-70	34-36	36	UNDEFINED
28.00	91.86	167.87	0.49	0.29	283.53	sand	60-70	34-36	36	UNDEFINED
28.25	92.68	173.17	0.38	0.22	285.82	sand	60-70	34-36	34	UNDEFINED
28.50	93.50	145.40	0.29	0.20	288.12	sand	60-70	34-36	35	UNDEFINED
28.75	94.32	154.46	0.30	0.20	290.42	sand	60-70	32-34	29	UNDEFINED
29.00	95.14	184.70	0.38	0.21	292.71	sand	60-70	34-36	31	UNDEFINED
29.25	95.96	183.15	0.77	0.42	295.01	sand	60-70	34-36	37	UNDEFINED
29.50	96.78	144.20	0.39	0.27	297.31	sand	60-70	34-36	37	UNDEFINED
29.75	97.60	118.67	0.30	0.25	299.60	sand	60-70	32-34	29	UNDEFINED
30.00	98.43	100.13	0.61	0.61	301.90	sand	50-60	32-34	24	UNDEFINED
30.25	99.25	168.28	0.40	0.24	304.20	sand	50-60	30-32	20	UNDEFINED
30.50	100.07	209.28	0.49	0.24	306.49	gravelly sand to sand	60-70	34-36	34	UNDEFINED
							70-80	34-36	35	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Mk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	204.69	0.45	0.22	308.79	gravelly sand to sand	70-80	34-36	34	UNDEFINED
31.00	101.71	192.28	0.44	0.23	311.09	sand	60-70	34-36	38	UNDEFINED
31.25	102.53	195.08	0.84	0.43	313.38	sand	70-80	34-36	39	UNDEFINED
31.50	103.35	192.72	0.50	0.26	315.68	sand	60-70	34-36	39	UNDEFINED
31.75	104.17	197.49	0.46	0.23	317.98	sand	70-80	34-36	39	UNDEFINED
32.00	104.99	70.50	0.71	1.01	320.27	sand to silty sand	40-50	<30	18	UNDEFINED
32.25	105.81	20.55	0.13	0.62	322.57	silty sand to sandy silt	<40	<30	7	UNDEFINED
32.50	106.63	28.58	0.29	1.03	324.87	silty sand to sandy silt	<40	<30	10	UNDEFINED
32.75	107.45	51.98	0.51	0.99	327.16	silty sand to sandy silt	<40	<30	17	UNDEFINED
33.00	108.27	28.40	0.25	0.89	329.46	silty sand to sandy silt	<40	<30	9	UNDEFINED
33.25	109.09	39.58	0.52	1.30	331.76	silty sand to sandy silt	<40	<30	13	UNDEFINED
33.50	109.91	34.16	0.49	1.42	334.05	silty sand to sandy silt	<40	<30	11	UNDEFINED
33.75	110.73	37.61	0.54	1.44	336.35	silty sand to sandy silt	<40	<30	13	UNDEFINED
34.00	111.55	78.49	0.65	0.83	338.65	sand to silty sand	40-50	<30	20	UNDEFINED
34.25	112.37	22.68	0.25	1.10	340.94	sandy silt to clayey silt	UNDFND	UNDFD	9	129.5
34.50	113.19	19.97	0.20	1.01	343.24	sandy silt to clayey silt	UNDFND	UNDFD	8	107.4
34.75	114.01	19.03	0.16	0.85	345.54	sandy silt to clayey silt	UNDFND	UNDFD	8	99.6
35.00	114.83	49.10	0.68	1.38	347.83	silty sand to sandy silt	<40	<30	16	UNDEFINED
35.25	115.65	128.12	0.86	0.67	350.13	sand	50-60	30-32	26	UNDEFINED
35.50	116.47	54.96	0.57	1.04	352.43	silty sand to sandy silt	<40	<30	18	UNDEFINED
35.75	117.29	40.16	0.45	1.11	354.72	silty sand to sandy silt	<40	<30	13	UNDEFINED
36.00	118.11	163.99	1.02	0.62	357.02	sand	60-70	32-34	33	UNDEFINED
36.25	118.93	157.87	1.04	0.68	359.32	sand	60-70	32-34	32	UNDEFINED
36.50	119.75	80.22	1.02	1.27	361.61	sand to silty sand	40-50	<30	20	UNDEFINED
36.75	120.57	125.49	0.90	0.72	363.91	sand	50-60	30-32	25	UNDEFINED
37.00	121.39	24.90	0.24	0.96	366.21	silty sand to sandy silt	<40	<30	8	UNDEFINED
37.25	122.21	37.61	0.65	1.73	368.50	sandy silt to clayey silt	UNDFND	UNDFD	15	244.4
37.50	123.03	63.73	0.68	1.07	370.80	sand to silty sand	<40	<30	16	UNDEFINED
37.75	123.85	87.25	0.64	0.74	373.10	sand to silty sand	40-50	<30	22	UNDEFINED
38.00	124.67	60.09	0.97	1.61	375.39	silty sand to sandy silt	<40	<30	20	UNDEFINED
38.25	125.49	52.10	0.82	1.57	377.69	silty sand to sandy silt	<40	<30	17	UNDEFINED
38.50	126.31	62.34	0.91	1.46	379.99	silty sand to sandy silt	<40	<30	21	UNDEFINED
38.75	127.13	78.98	1.06	1.34	382.28	sand to silty sand	40-50	<30	20	UNDEFINED
39.00	127.95	96.99	1.04	1.08	384.58	sand to silty sand	40-50	<30	24	UNDEFINED
39.25	128.77	72.07	1.26	1.75	386.87	silty sand to sandy silt	<40	<30	24	UNDEFINED
39.50	129.59	62.37	1.22	1.95	389.17	silty sand to sandy silt	<40	<30	21	UNDEFINED
39.75	130.41	72.68	1.33	1.83	391.47	silty sand to sandy silt	<40	<30	24	UNDEFINED
40.00	131.23	55.74	0.84	1.51	393.76	silty sand to sandy silt	<40	<30	19	UNDEFINED
40.25	132.05	150.35	1.26	0.84	396.06	sand	50-60	30-32	30	UNDEFINED
40.50	132.87	80.17	0.73	0.91	398.36	sand to silty sand	40-50	<30	20	UNDEFINED
40.75	133.69	106.56	0.56	0.53	400.65	sand	40-50	<30	21	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

G . S . C .

CONTRACTOR CONETEC
 LOCATION MASSEY TUNNEL SS
 HOLE NUMBER 94-110 SCPT-2 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE 02:03:94 11:11
 CONE USED 5 TON AD 006
 Water table (meters) : 2.8

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	40.05	0.34	0.84	2.37	silty sand to sandy silt	>90	>48	13	UNDEFINED
0.50	1.64	108.38	0.57	0.53	7.12	sand	>90	>48	22	UNDEFINED
0.75	2.46	110.95	0.67	0.60	11.87	sand	>90	>48	22	UNDEFINED
1.00	3.28	87.85	0.50	0.57	16.62	sand to silty sand	80-90	46-48	22	UNDEFINED
1.25	4.10	67.82	0.45	0.67	21.37	sand to silty sand	70-80	44-46	17	UNDEFINED
1.50	4.92	56.32	0.37	0.66	26.11	sand to silty sand	70-80	42-44	14	UNDEFINED
1.75	5.74	48.97	0.36	0.73	30.86	sand to silty sand	60-70	40-42	12	UNDEFINED
2.00	6.56	39.11	0.26	0.66	35.61	silty sand to sandy silt	50-60	38-40	13	UNDEFINED
2.25	7.38	19.00	0.18	0.93	40.36	sandy silt to clayey silt	UNDFND	UNDFD	8	148.8
2.50	8.20	8.29	0.15	1.81	45.11	clayey silt to silty clay	UNDFND	UNDFD	4	62.7
2.75	9.02	3.81	0.08	2.05	49.86	clay	UNDFND	UNDFD	4	26.5
3.00	9.84	40.78	0.13	0.31	53.87	sand to silty sand	50-60	36-38	10	UNDEFINED
3.25	10.66	48.29	0.46	0.96	56.16	silty sand to sandy silt	50-60	36-38	16	UNDEFINED
3.50	11.48	18.20	0.28	1.56	58.46	sandy silt to clayey silt	UNDFND	UNDFD	7	140.4
3.75	12.30	23.42	0.28	1.19	60.76	sandy silt to clayey silt	UNDFND	UNDFD	9	181.8
4.00	13.12	26.54	0.19	0.71	63.05	silty sand to sandy silt	<40	32-34	9	UNDEFINED
4.25	13.94	32.56	0.20	0.61	65.35	silty sand to sandy silt	40-50	32-34	11	UNDEFINED
4.50	14.76	31.61	0.28	0.89	67.65	silty sand to sandy silt	<40	32-34	11	UNDEFINED
4.75	15.58	37.12	0.28	0.77	69.94	silty sand to sandy silt	40-50	34-36	12	UNDEFINED
5.00	16.40	28.06	0.33	1.18	72.24	silty sand to sandy silt	<40	32-34	9	UNDEFINED
5.25	17.22	25.21	0.29	1.14	74.54	silty sand to sandy silt	<40	30-32	8	UNDEFINED
5.50	18.04	10.28	0.17	1.69	76.83	clayey silt to silty clay	UNDFND	UNDFD	5	74.1
5.75	18.86	35.57	0.23	0.66	79.13	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
6.00	19.69	69.77	0.30	0.43	81.43	sand to silty sand	50-60	36-38	17	UNDEFINED
6.25	20.51	69.86	0.30	0.44	83.72	sand to silty sand	50-60	36-38	17	UNDEFINED
6.50	21.33	78.59	0.31	0.40	86.02	sand to silty sand	60-70	36-38	20	UNDEFINED
6.75	22.15	84.68	0.34	0.40	88.32	sand	60-70	36-38	17	UNDEFINED
7.00	22.97	103.08	0.39	0.38	90.61	sand	60-70	38-40	21	UNDEFINED
7.25	23.79	122.49	0.50	0.41	92.91	sand	70-80	38-40	24	UNDEFINED
7.50	24.61	80.21	0.32	0.40	95.21	sand to silty sand	60-70	36-38	20	UNDEFINED
7.75	25.43	61.35	0.23	0.37	97.50	sand to silty sand	50-60	34-36	15	UNDEFINED
8.00	26.25	69.81	0.24	0.34	99.80	sand to silty sand	50-60	34-36	17	UNDEFINED
8.25	27.07	63.46	0.22	0.35	102.10	sand to silty sand	50-60	34-36	16	UNDEFINED
8.50	27.89	66.28	0.25	0.38	104.39	sand to silty sand	50-60	34-36	17	UNDEFINED
8.75	28.71	53.62	0.22	0.41	106.69	sand to silty sand	40-50	32-34	13	UNDEFINED
9.00	29.53	56.08	0.24	0.43	108.99	sand to silty sand	40-50	32-34	14	UNDEFINED
9.25	30.35	57.36	0.20	0.35	111.28	sand to silty sand	40-50	32-34	14	UNDEFINED
9.50	31.17	54.77	0.23	0.41	113.58	sand to silty sand	40-50	32-34	14	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CPT-2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	55.61	0.22	0.40	115.88	sand to silty sand	40-50	32-34	14	UNDEFINED
10.00	32.81	48.65	0.19	0.39	118.17	sand to silty sand	40-50	32-34	12	UNDEFINED
10.25	33.63	43.67	0.17	0.39	120.47	sand to silty sand	40-50	30-32	11	UNDEFINED
10.50	34.45	38.49	0.16	0.42	122.77	sand to silty sand	<40	30-32	10	UNDEFINED
10.75	35.27	42.16	0.20	0.48	125.06	sand to silty sand	<40	30-32	11	UNDEFINED
11.00	36.09	43.53	0.18	0.40	127.36	sand to silty sand	<40	30-32	11	UNDEFINED
11.25	36.91	31.34	0.20	0.64	129.66	silty sand to sandy silt	<40	<30	10	UNDEFINED
11.50	37.73	41.42	0.38	0.91	131.95	silty sand to sandy silt	<40	30-32	14	UNDEFINED
11.75	38.55	48.99	0.22	0.45	134.25	sand to silty sand	40-50	30-32	12	UNDEFINED
12.00	39.37	63.76	0.28	0.44	136.55	sand to silty sand	40-50	32-34	16	UNDEFINED
12.25	40.19	62.38	0.25	0.40	138.84	sand to silty sand	40-50	32-34	16	UNDEFINED
12.50	41.01	65.15	0.28	0.42	141.14	sand to silty sand	50-60	32-34	18	UNDEFINED
12.75	41.83	68.78	0.31	0.45	143.44	sand to silty sand	50-60	32-34	17	UNDEFINED
13.00	42.65	70.81	0.35	0.50	145.73	sand to silty sand	50-60	32-34	18	UNDEFINED
13.25	43.47	79.61	0.36	0.46	148.03	sand to silty sand	50-60	34-36	20	UNDEFINED
13.50	44.29	89.10	0.38	0.43	150.33	sand	50-60	34-36	18	UNDEFINED
13.75	45.11	75.39	0.37	0.50	152.62	sand to silty sand	50-60	32-34	19	UNDEFINED
14.00	45.93	82.09	0.33	0.40	154.92	sand to silty sand	50-60	34-36	21	UNDEFINED
14.25	46.75	68.92	0.26	0.37	157.22	sand to silty sand	50-60	32-34	17	UNDEFINED
14.50	47.57	91.05	0.31	0.34	159.51	sand	50-60	34-36	18	UNDEFINED
14.75	48.39	81.14	0.27	0.34	161.81	sand	50-60	32-34	16	UNDEFINED
15.00	49.21	87.41	0.29	0.33	164.10	sand	50-60	34-36	17	UNDEFINED
15.25	50.03	71.67	0.42	0.59	166.40	sand to silty sand	50-60	32-34	18	UNDEFINED
15.50	50.85	59.29	0.51	0.87	168.70	sand to silty sand	40-50	30-32	15	UNDEFINED
15.75	51.67	110.61	0.35	0.32	170.99	sand	60-70	34-36	22	UNDEFINED
16.00	52.49	71.68	0.21	0.30	173.29	sand to silty sand	40-50	32-34	18	UNDEFINED
16.25	53.31	91.62	0.25	0.28	175.59	sand	50-60	34-36	18	UNDEFINED
16.50	54.13	129.26	0.32	0.25	177.88	sand	60-70	36-38	26	UNDEFINED
16.75	54.95	90.62	0.21	0.23	180.18	sand	50-60	32-34	18	UNDEFINED
17.00	55.77	67.72	0.17	0.25	182.48	sand to silty sand	40-50	30-32	17	UNDEFINED
17.25	56.59	76.50	0.18	0.24	184.77	sand to silty sand	50-60	32-34	19	UNDEFINED
17.50	57.41	64.63	0.18	0.28	187.07	sand to silty sand	40-50	30-32	16	UNDEFINED
17.75	58.23	84.01	0.21	0.25	189.37	sand	50-60	32-34	17	UNDEFINED
18.00	59.06	103.81	0.31	0.29	191.66	sand	50-60	34-36	21	UNDEFINED
18.25	59.88	66.88	0.19	0.28	193.96	sand to silty sand	40-50	30-32	17	UNDEFINED
18.50	60.70	90.10	0.26	0.29	196.26	sand	50-60	32-34	18	UNDEFINED
18.75	61.52	120.28	0.34	0.29	198.55	sand	60-70	34-36	24	UNDEFINED
19.00	62.34	92.16	0.24	0.26	200.85	sand	50-60	32-34	18	UNDEFINED
19.25	63.16	99.57	0.22	0.22	203.15	sand	50-60	32-34	20	UNDEFINED
19.50	63.98	114.88	0.23	0.20	205.44	sand	60-70	34-36	23	UNDEFINED
19.75	64.80	81.39	0.18	0.23	207.74	sand	50-60	32-34	16	UNDEFINED
20.00	65.62	90.52	0.26	0.29	210.04	sand	50-60	32-34	18	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH		Qc (avg)	Fs (avg)	Rf (avg)	SIGV'	SOIL BEHAVIOUR TYPE	Eq - Dr	PHI	SPT	Su
(meters)	(feet)	(bar)	(bar)	(%)	(kPa)		(%)	deg.	N	kPa
20.25	66.44	94.27	0.21	0.22	212.33	sand	50-60	32-34	19	UNDEFINED
20.50	67.26	69.37	0.15	0.22	214.63	sand to silty sand	40-50	30-32	17	UNDEFINED
20.75	68.08	91.17	0.24	0.26	216.93	sand	50-60	32-34	18	UNDEFINED
21.00	68.90	120.53	0.30	0.25	219.22	sand	60-70	34-36	24	UNDEFINED
21.25	69.72	94.84	0.24	0.26	221.52	sand	50-60	32-34	19	UNDEFINED
21.50	70.54	126.83	0.40	0.32	223.82	sand	60-70	34-36	25	UNDEFINED
21.75	71.36	118.59	0.28	0.24	226.11	sand	60-70	34-36	24	UNDEFINED
22.00	72.18	116.10	0.29	0.25	228.41	sand	50-60	32-34	23	UNDEFINED
22.25	73.00	113.23	0.27	0.24	230.71	sand	50-60	32-34	23	UNDEFINED
22.50	73.82	135.34	0.28	0.21	233.00	sand	60-70	34-36	27	UNDEFINED
22.75	74.64	137.30	0.87	0.63	235.30	sand	60-70	34-36	27	UNDEFINED
23.00	75.46	119.67	1.68	1.40	237.60	sand to silty sand	60-70	32-34	30	UNDEFINED
23.25	76.28	160.21	0.58	0.36	239.89	sand	60-70	34-36	32	UNDEFINED
23.50	77.10	179.71	0.56	0.31	242.19	sand	70-80	36-38	36	UNDEFINED
23.75	77.92	178.89	0.70	0.39	244.49	sand	70-80	36-38	36	UNDEFINED
24.00	78.74	209.03	0.72	0.35	246.78	sand	70-80	36-38	42	UNDEFINED
24.25	79.56	177.42	0.37	0.21	249.08	sand	70-80	36-38	35	UNDEFINED
24.50	80.38	148.94	0.32	0.22	251.38	sand	60-70	34-36	30	UNDEFINED
24.75	81.20	88.07	0.18	0.20	253.67	sand	50-60	30-32	18	UNDEFINED
25.00	82.02	59.60	0.41	0.69	255.97	sand to silty sand	<40	<30	15	UNDEFINED
25.25	82.84	158.05	0.43	0.27	258.27	sand	60-70	34-36	32	UNDEFINED
25.50	83.66	109.59	0.77	0.70	260.56	sand	50-60	32-34	22	UNDEFINED
25.75	84.48	81.77	0.34	0.42	262.86	sand to silty sand	40-50	30-32	20	UNDEFINED
26.00	85.30	79.93	0.40	0.51	265.16	sand to silty sand	40-50	30-32	20	UNDEFINED
26.25	86.12	89.95	0.46	0.51	267.45	sand to silty sand	50-60	30-32	22	UNDEFINED
26.50	86.94	67.24	0.54	0.81	269.75	sand to silty sand	40-50	<30	17	UNDEFINED
26.75	87.76	35.37	0.33	0.94	272.04	silty sand to sandy silt	<40	<30	12	UNDEFINED
27.00	88.58	102.29	0.38	0.37	274.34	sand	50-60	30-32	20	UNDEFINED
27.25	89.40	188.21	0.66	0.35	276.64	sand	70-80	34-36	38	UNDEFINED
27.50	90.22	200.49	0.85	0.42	278.93	sand	70-80	36-38	40	UNDEFINED
27.75	91.04	205.69	0.95	0.46	281.23	sand	70-80	36-38	41	UNDEFINED
28.00	91.86	259.17	1.16	0.45	283.53	gravelly sand to sand	70-80	36-38	43	UNDEFINED
28.25	92.68	247.31	0.95	0.39	285.82	gravelly sand to sand	70-80	36-38	41	UNDEFINED
28.50	93.50	235.79	0.83	0.35	288.12	gravelly sand to sand	70-80	36-38	39	UNDEFINED
28.75	94.32	150.43	0.59	0.39	290.42	sand	60-70	34-36	30	UNDEFINED
29.00	95.14	139.20	0.30	0.22	292.71	sand	60-70	32-34	28	UNDEFINED
29.25	95.96	168.11	0.55	0.32	295.01	sand	60-70	34-36	34	UNDEFINED
29.50	96.78	240.72	1.26	0.52	297.31	sand	70-80	36-38	48	UNDEFINED
29.75	97.60	221.56	1.04	0.47	299.60	sand	70-80	36-38	44	UNDEFINED
30.00	98.43	214.02	0.97	0.46	301.90	sand	70-80	36-38	43	UNDEFINED
30.25	99.25	227.46	0.98	0.43	304.20	sand	70-80	36-38	45	UNDEFINED
30.50	100.07	138.67	0.45	0.32	306.49	sand	60-70	32-34	28	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Mk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CPT-2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	111.87	0.27	0.24	308.79	sand	50-60	30-32	22	UNDEFINED
31.00	101.71	102.74	0.25	0.24	311.09	sand	50-60	30-32	21	UNDEFINED
31.25	102.53	111.86	0.26	0.23	313.38	sand	50-60	30-32	22	UNDEFINED
31.50	103.35	51.27	0.69	1.35	315.68	silty sand to sandy silt	<40	<30	17	UNDEFINED
31.75	104.17	20.88	0.10	0.50	317.98	silty sand to sandy silt	<40	<30	7	UNDEFINED
32.00	104.99	19.95	0.13	0.66	320.27	silty sand to sandy silt	<40	<30	7	UNDEFINED
32.25	105.81	23.82	0.26	1.11	322.57	sandy silt to clayey silt	UNDFND	UNDFD	10	141.7
32.50	106.63	24.11	0.27	1.13	324.87	sandy silt to clayey silt	UNDFND	UNDFD	10	143.6
32.75	107.45	24.19	0.14	0.57	327.16	silty sand to sandy silt	<40	<30	8	UNDEFINED
33.00	108.27	68.64	0.49	0.72	329.46	sand to silty sand	<40	<30	17	UNDEFINED
33.25	109.09	46.37	0.49	1.05	331.76	silty sand to sandy silt	<40	<30	15	UNDEFINED
33.50	109.91	27.86	0.23	0.84	334.05	silty sand to sandy silt	<40	<30	9	UNDEFINED
33.75	110.73	26.15	0.39	1.48	336.35	sandy silt to clayey silt	UNDFND	UNDFD	10	158.0
34.00	111.55	40.73	0.32	0.80	338.65	silty sand to sandy silt	<40	<30	14	UNDEFINED
34.25	112.37	44.95	0.64	1.42	340.94	silty sand to sandy silt	<40	<30	15	UNDEFINED
34.50	113.19	22.04	0.13	0.61	343.24	silty sand to sandy silt	<40	<30	7	UNDEFINED
34.75	114.01	17.23	0.07	0.41	345.54	silty sand to sandy silt	UNDFND	<30	6	UNDEFINED
35.00	114.83	41.62	0.34	0.83	347.83	silty sand to sandy silt	<40	<30	14	UNDEFINED
35.25	115.65	30.16	0.28	0.94	350.13	silty sand to sandy silt	<40	<30	10	UNDEFINED
35.50	116.47	21.38	0.17	0.78	352.43	silty sand to sandy silt	<40	<30	7	UNDEFINED
35.75	117.29	21.06	0.19	0.90	354.72	sandy silt to clayey silt	UNDFND	UNDFD	8	114.2
36.00	118.11	24.89	0.26	1.04	357.02	silty sand to sandy silt	<40	<30	8	UNDEFINED
36.25	118.93	24.60	0.16	0.65	359.32	silty sand to sandy silt	<40	<30	8	UNDEFINED
36.50	119.75	72.95	0.42	0.57	361.61	sand to silty sand	<40	<30	18	UNDEFINED
36.75	120.57	63.56	1.06	1.67	363.91	silty sand to sandy silt	<40	<30	21	UNDEFINED
37.00	121.39	93.28	0.94	1.01	366.21	sand to silty sand	40-50	<30	23	UNDEFINED
37.25	122.21	111.32	0.87	0.78	368.50	sand	50-60	30-32	22	UNDEFINED
37.50	123.03	20.83	0.13	0.63	370.80	silty sand to sandy silt	<40	<30	7	UNDEFINED
37.75	123.85	17.21	0.12	0.67	373.10	sandy silt to clayey silt	UNDFND	UNDFD	7	80.5
38.00	124.67	54.44	0.76	1.40	375.39	silty sand to sandy silt	<40	<30	18	UNDEFINED
38.25	125.49	32.37	0.33	1.01	377.69	silty sand to sandy silt	<40	<30	11	UNDEFINED
38.50	126.31	27.63	0.20	0.73	379.99	silty sand to sandy silt	<40	<30	9	UNDEFINED
38.75	127.13	39.86	0.40	0.99	382.28	silty sand to sandy silt	<40	<30	13	UNDEFINED
39.00	127.95	20.14	0.14	0.69	384.58	silty sand to sandy silt	<40	<30	7	UNDEFINED
39.25	128.77	69.35	0.28	0.40	386.87	sand to silty sand	<40	<30	17	UNDEFINED
39.50	129.59	64.45	0.38	0.60	389.17	sand to silty sand	<40	<30	16	UNDEFINED
39.75	130.41	32.19	0.32	0.99	391.47	silty sand to sandy silt	<40	<30	11	UNDEFINED
40.00	131.23	33.53	0.26	0.76	393.76	silty sand to sandy silt	<40	<30	11	UNDEFINED
40.25	132.05	92.76	0.60	0.65	396.06	sand to silty sand	40-50	<30	23	UNDEFINED
40.50	132.87	51.43	0.47	0.91	398.36	silty sand to sandy silt	<40	<30	17	UNDEFINED
40.75	133.69	40.08	0.33	0.82	400.65	silty sand to sandy silt	<40	<30	13	UNDEFINED
41.00	134.51	60.92	0.35	0.57	402.95	sand to silty sand	<40	<30	15	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

CPT-2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
41.25	135.33	50.79	0.34	0.67	405.25	sand to silty sand	<40	<30	13	UNDEFINED
41.50	136.15	58.09	0.44	0.76	407.54	sand to silty sand	<40	<30	15	UNDEFINED
41.75	136.98	54.83	0.36	0.65	409.84	sand to silty sand	<40	<30	14	UNDEFINED
42.00	137.80	44.21	0.27	0.61	412.14	sand to silty sand	<40	<30	11	UNDEFINED
42.25	138.62	44.72	0.28	0.63	414.43	sand to silty sand	<40	<30	11	UNDEFINED
42.50	139.44	47.44	0.40	0.83	416.73	silty sand to sandy silt	<40	<30	16	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Wk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

CONTRACTOR : CONETEC
 LOCATION : BOST/RIVER RD.
 HOLE : 94-112 SCPT-3 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:08:94 14:14
 CONE : 10 TON AD '013
 Water table (meters) : 4

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	10.43	0.42	4.05	2.37	clay	UNDFND	UNDFD	10	83.2
0.50	1.64	14.89	0.42	2.83	7.12	clayey silt to silty clay	UNDFND	UNDFD	7	118.5
0.75	2.46	23.07	0.38	1.66	11.87	sandy silt to clayey silt	UNDFND	UNDFD	9	183.6
1.00	3.28	10.52	0.41	3.93	16.62	clay	UNDFND	UNDFD	11	82.8
1.25	4.10	7.50	0.25	3.33	21.37	clay	UNDFND	UNDFD	8	58.3
1.50	4.92	9.13	0.13	1.38	26.11	clayey silt to silty clay	UNDFND	UNDFD	5	70.9
1.75	5.74	32.81	0.16	0.48	30.86	silty sand to sandy silt	50-60	38-40	11	UNDEFINED
2.00	6.56	31.02	0.20	0.64	35.61	silty sand to sandy silt	40-50	36-38	10	UNDEFINED
2.25	7.38	21.47	0.24	1.11	40.36	sandy silt to clayey silt	UNDFND	UNDFD	9	168.5
2.50	8.20	25.35	0.19	0.74	45.11	silty sand to sandy silt	<40	34-36	8	UNDEFINED
2.75	9.02	29.72	0.15	0.51	49.86	silty sand to sandy silt	40-50	34-36	10	UNDEFINED
3.00	9.84	33.62	0.19	0.56	54.60	silty sand to sandy silt	40-50	34-36	11	UNDEFINED
3.25	10.66	28.04	0.18	0.63	59.35	silty sand to sandy silt	<40	32-34	9	UNDEFINED
3.50	11.48	21.06	0.16	0.77	64.10	silty sand to sandy silt	<40	30-32	7	UNDEFINED
3.75	12.30	14.48	0.14	0.95	68.85	sandy silt to clayey silt	UNDFND	UNDFD	6	110.3
4.00	13.12	2.65	0.09	3.55	73.60	clay	UNDFND	UNDFD	3	15.2
4.25	13.94	44.49	0.27	0.61	77.12	sand to silty sand	40-50	34-36	11	UNDEFINED
4.50	14.76	45.39	0.24	0.53	79.42	sand to silty sand	40-50	34-36	11	UNDEFINED
4.75	15.58	57.61	0.30	0.52	81.71	sand to silty sand	50-60	36-38	14	UNDEFINED
5.00	16.40	69.54	0.37	0.53	84.01	sand to silty sand	50-60	36-38	17	UNDEFINED
5.25	17.22	55.05	0.29	0.52	86.30	sand to silty sand	50-60	34-36	14	UNDEFINED
5.50	18.04	57.73	0.29	0.51	88.60	sand to silty sand	50-60	34-36	14	UNDEFINED
5.75	18.86	55.34	0.31	0.55	90.90	sand to silty sand	50-60	34-36	14	UNDEFINED
6.00	19.69	37.30	0.29	0.77	93.19	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
6.25	20.51	34.91	0.25	0.71	95.49	silty sand to sandy silt	<40	30-32	12	UNDEFINED
6.50	21.33	57.56	0.33	0.58	97.79	sand to silty sand	50-60	34-36	14	UNDEFINED
6.75	22.15	78.71	0.38	0.49	100.08	sand to silty sand	60-70	36-38	20	UNDEFINED
7.00	22.97	70.10	0.36	0.51	102.38	sand to silty sand	50-60	34-36	18	UNDEFINED
7.25	23.79	70.99	0.35	0.49	104.68	sand to silty sand	50-60	34-36	18	UNDEFINED
7.50	24.61	58.17	0.29	0.50	106.97	sand to silty sand	50-60	34-36	15	UNDEFINED
7.75	25.43	95.17	0.39	0.41	109.27	sand	60-70	36-38	19	UNDEFINED
8.00	26.25	102.04	0.43	0.43	111.57	sand	60-70	36-38	20	UNDEFINED
8.25	27.07	91.88	0.40	0.44	113.86	sand	60-70	36-38	18	UNDEFINED
8.50	27.89	98.24	0.45	0.46	116.16	sand	60-70	36-38	20	UNDEFINED
8.75	28.71	91.51	0.44	0.48	118.46	sand	60-70	36-38	18	UNDEFINED
9.00	29.53	98.61	0.44	0.45	120.75	sand	60-70	36-38	20	UNDEFINED
9.25	30.35	81.48	0.53	0.65	123.05	sand to silty sand	50-60	34-36	20	UNDEFINED
9.50	31.17	91.86	0.49	0.53	125.35	sand	60-70	36-38	18	UNDEFINED

Dr - All sands (Janolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	91.36	0.34	0.38	127.64	sand	60-70	36-38	18	UNDEFINED
10.00	32.81	122.74	0.41	0.33	129.94	sand	60-70	36-38	25	UNDEFINED
10.25	33.63	135.28	0.46	0.34	132.24	sand	70-80	38-40	27	UNDEFINED
10.50	34.45	125.05	0.42	0.34	134.53	sand	60-70	36-38	25	UNDEFINED
10.75	35.27	97.69	0.37	0.38	136.83	sand	60-70	36-38	20	UNDEFINED
11.00	36.09	112.98	0.30	0.27	139.13	sand	60-70	36-38	23	UNDEFINED
11.25	36.91	123.61	0.29	0.24	141.42	sand	60-70	36-38	25	UNDEFINED
11.50	37.73	103.80	0.26	0.25	143.72	sand	60-70	36-38	21	UNDEFINED
11.75	38.55	95.34	0.34	0.36	146.02	sand	60-70	34-36	19	UNDEFINED
12.00	39.37	83.70	0.34	0.41	148.31	sand to silty sand	50-60	34-36	21	UNDEFINED
12.25	40.19	47.20	0.21	0.44	150.61	sand to silty sand	<40	30-32	12	UNDEFINED
12.50	41.01	52.64	0.20	0.37	152.91	sand to silty sand	40-50	30-32	13	UNDEFINED
12.75	41.83	47.40	0.18	0.38	155.20	sand to silty sand	<40	30-32	12	UNDEFINED
13.00	42.65	69.39	0.23	0.34	157.50	sand to silty sand	50-60	32-34	17	UNDEFINED
13.25	43.47	122.75	0.42	0.34	159.80	sand	60-70	36-38	25	UNDEFINED
13.50	44.29	97.29	0.30	0.30	162.09	sand	50-60	34-36	19	UNDEFINED
13.75	45.11	88.67	0.21	0.24	164.39	sand	50-60	34-36	18	UNDEFINED
14.00	45.93	76.32	0.23	0.30	166.69	sand to silty sand	50-60	32-34	19	UNDEFINED
14.25	46.75	71.85	0.23	0.32	168.98	sand to silty sand	50-60	32-34	18	UNDEFINED
14.50	47.57	87.86	0.38	0.44	171.28	sand	50-60	32-34	18	UNDEFINED
14.75	48.39	130.08	0.67	0.52	173.58	sand	60-70	36-38	26	UNDEFINED
15.00	49.21	179.37	0.78	0.44	175.87	sand	70-80	38-40	36	UNDEFINED
15.25	50.03	181.58	1.22	0.67	178.17	sand	70-80	38-40	36	UNDEFINED
15.50	50.85	177.88	0.56	0.32	180.47	sand	70-80	38-40	36	UNDEFINED
15.75	51.67	177.51	0.57	0.32	182.76	sand	70-80	38-40	36	UNDEFINED
16.00	52.49	178.02	0.49	0.27	185.06	sand	70-80	36-38	36	UNDEFINED
16.25	53.31	149.03	0.34	0.23	187.36	sand	60-70	36-38	30	UNDEFINED
16.50	54.13	138.26	0.36	0.26	189.65	sand	60-70	36-38	28	UNDEFINED
16.75	54.95	151.28	0.37	0.24	191.95	sand	60-70	36-38	30	UNDEFINED
17.00	55.77	193.49	0.46	0.24	194.25	sand	70-80	38-40	39	UNDEFINED
17.25	56.59	192.89	0.57	0.30	196.54	sand	70-80	38-40	39	UNDEFINED
17.50	57.41	147.74	0.41	0.27	198.84	sand	60-70	36-38	30	UNDEFINED
17.75	58.23	171.49	0.47	0.28	201.13	sand	70-80	36-38	34	UNDEFINED
18.00	59.06	184.88	0.42	0.23	203.43	sand	70-80	36-38	37	UNDEFINED
18.25	59.88	173.34	0.41	0.24	205.73	sand	70-80	36-38	35	UNDEFINED
18.50	60.70	156.40	0.40	0.26	208.02	sand	60-70	36-38	31	UNDEFINED
18.75	61.52	136.47	0.40	0.29	210.32	sand	60-70	34-36	27	UNDEFINED
19.00	62.34	153.80	0.43	0.28	212.62	sand	60-70	36-38	31	UNDEFINED
19.25	63.16	136.39	0.35	0.26	214.91	sand	60-70	34-36	27	UNDEFINED
19.50	63.98	118.15	0.35	0.30	217.21	sand	60-70	34-36	24	UNDEFINED
19.75	64.80	177.64	0.52	0.29	219.51	sand	70-80	36-38	36	UNDEFINED
20.00	65.62	168.56	0.45	0.27	221.80	sand	70-80	36-38	34	UNDEFINED

Dr - All sands (Janiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC

LOCATION : BOST/RIVER RD.

Page No. 3

DEPTH	Qc (avg)	Fs (avg)	Rf (avg)	SIGV'	SOIL BEHAVIOUR TYPE	Eq - Dr	PHI	SPT	Su
-------	----------	----------	----------	-------	---------------------	---------	-----	-----	----

CONTRACTOR : CONETEC
 LOCATION : BOST/FRASER RIVR
 HOLE : 94-112 SCPT-4 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:10:94 17:06
 CONE : 10 TON AD '013
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	26.02	0.40	1.54	2.37	sandy silt to clayey silt	UNDFND	UNDFD	10	207.9
0.50	1.64	114.46	1.94	1.69	7.12	sand to silty sand	>90	>48	29	UNDEFINED
0.75	2.46	143.14	3.16	2.21	11.87	silty sand to sandy silt	>90	>48	29	UNDEFINED
1.00	3.28	88.00	1.84	2.10	16.62	silty sand to sandy silt	80-90	46-48	29	UNDEFINED
1.25	4.10	69.20	1.00	1.45	21.37	silty sand to sandy silt	70-80	44-46	23	UNDEFINED
1.50	4.92	76.09	1.93	2.54	26.11	sandy silt to clayey silt	UNDFND	UNDFD	30	606.6
1.75	5.74	35.33	0.59	1.68	30.86	sandy silt to clayey silt	UNDFND	UNDFD	14	280.1
2.00	6.56	29.25	0.27	0.91	35.61	silty sand to sandy silt	40-50	36-38	10	UNDEFINED
2.25	7.38	21.33	0.11	0.53	39.13	silty sand to sandy silt	<40	34-36	7	UNDEFINED
2.50	8.20	15.34	0.08	0.52	41.43	sandy silt to clayey silt	UNDFND	UNDFD	6	119.1
2.75	9.02	31.59	0.09	0.30	43.73	silty sand to sandy silt	40-50	36-38	11	UNDEFINED
3.00	9.84	23.64	0.07	0.30	46.02	silty sand to sandy silt	<40	32-34	8	UNDEFINED
3.25	10.66	18.65	0.07	0.36	48.32	silty sand to sandy silt	<40	30-32	6	UNDEFINED
3.50	11.48	17.61	0.07	0.37	50.62	silty sand to sandy silt	<40	30-32	6	UNDEFINED
3.75	12.30	19.45	0.22	1.14	52.91	sandy silt to clayey silt	UNDFND	UNDFD	8	150.0
4.00	13.12	43.70	0.26	0.59	55.21	sand to silty sand	50-60	36-38	11	UNDEFINED
4.25	13.94	45.92	0.31	0.67	57.51	sand to silty sand	50-60	36-38	11	UNDEFINED
4.50	14.76	37.01	0.24	0.65	59.80	silty sand to sandy silt	40-50	34-36	12	UNDEFINED
4.75	15.58	68.79	0.27	0.40	62.10	sand to silty sand	60-70	38-40	17	UNDEFINED
5.00	16.40	60.32	0.22	0.37	64.40	sand to silty sand	50-60	36-38	15	UNDEFINED
5.25	17.22	67.50	0.24	0.36	66.69	sand to silty sand	60-70	38-40	17	UNDEFINED
5.50	18.04	67.78	0.25	0.36	68.99	sand to silty sand	60-70	38-40	17	UNDEFINED
5.75	18.86	59.76	0.21	0.35	71.29	sand to silty sand	50-60	36-38	15	UNDEFINED
6.00	19.69	47.67	0.22	0.45	73.58	sand to silty sand	50-60	34-36	12	UNDEFINED
6.25	20.51	63.01	0.23	0.37	75.88	sand to silty sand	50-60	36-38	16	UNDEFINED
6.50	21.33	70.33	0.23	0.32	78.18	sand to silty sand	60-70	36-38	18	UNDEFINED
6.75	22.15	82.72	0.23	0.28	80.47	sand	60-70	38-40	17	UNDEFINED
7.00	22.97	69.75	0.16	0.23	82.77	sand to silty sand	50-60	36-38	17	UNDEFINED
7.25	23.79	101.93	0.35	0.34	85.07	sand	70-80	38-40	20	UNDEFINED
7.50	24.61	188.14	0.81	0.43	87.36	sand	80-90	42-44	38	UNDEFINED
7.75	25.43	166.67	0.54	0.33	89.66	sand	80-90	40-42	33	UNDEFINED
8.00	26.25	141.26	0.28	0.20	91.96	sand	70-80	40-42	28	UNDEFINED
8.25	27.07	121.46	0.29	0.24	94.25	sand	70-80	38-40	24	UNDEFINED
8.50	27.89	127.86	0.41	0.32	96.55	sand	70-80	38-40	26	UNDEFINED
8.75	28.71	120.14	0.32	0.27	98.84	sand	70-80	38-40	24	UNDEFINED
9.00	29.53	87.21	0.21	0.24	101.14	sand	60-70	36-38	17	UNDEFINED
9.25	30.35	78.64	0.22	0.28	103.44	sand	50-60	36-38	16	UNDEFINED
9.50	31.17	102.12	0.28	0.27	105.73	sand	60-70	38-40	20	UNDEFINED

Dr - All sands (Janioolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTRI (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	138.55	0.38	0.28	108.03	sand	70-80	38-40	28	UNDEFINED
10.00	32.81	154.72	0.30	0.19	110.33	sand	70-80	40-42	31	UNDEFINED
10.25	33.63	162.57	0.28	0.17	112.62	sand	70-80	40-42	33	UNDEFINED
10.50	34.45	100.16	0.21	0.21	114.92	sand	60-70	36-38	20	UNDEFINED
10.75	35.27	113.16	0.18	0.16	117.22	sand	60-70	38-40	23	UNDEFINED
11.00	36.09	86.26	0.23	0.27	119.51	sand	60-70	36-38	17	UNDEFINED
11.25	36.91	88.12	0.28	0.32	121.81	sand	60-70	36-38	18	UNDEFINED
11.50	37.73	88.91	0.23	0.26	124.11	sand	60-70	36-38	18	UNDEFINED
11.75	38.55	103.88	0.25	0.24	126.40	sand	60-70	36-38	21	UNDEFINED
12.00	39.37	121.87	0.30	0.24	128.70	sand	60-70	36-38	24	UNDEFINED
12.25	40.19	156.92	0.32	0.21	131.00	sand	70-80	38-40	31	UNDEFINED
12.50	41.01	106.62	0.22	0.21	133.29	sand	60-70	36-38	21	UNDEFINED
12.75	41.83	68.39	0.18	0.27	135.59	sand to silty sand	50-60	32-34	17	UNDEFINED
13.00	42.65	66.19	0.18	0.27	137.89	sand to silty sand	50-60	32-34	17	UNDEFINED
13.25	43.47	59.46	0.17	0.29	140.18	sand to silty sand	40-50	32-34	15	UNDEFINED
13.50	44.29	67.37	0.20	0.29	142.48	sand to silty sand	50-60	32-34	17	UNDEFINED
13.75	45.11	82.92	0.20	0.25	144.78	sand	50-60	34-36	17	UNDEFINED
14.00	45.93	120.00	0.31	0.26	147.07	sand	60-70	36-38	24	UNDEFINED
14.25	46.75	87.28	0.22	0.25	149.37	sand	50-60	34-36	17	UNDEFINED
14.50	47.57	69.00	0.21	0.31	151.67	sand to silty sand	50-60	32-34	17	UNDEFINED
14.75	48.39	71.87	0.22	0.31	153.96	sand to silty sand	50-60	32-34	18	UNDEFINED
15.00	49.21	70.72	0.23	0.33	156.26	sand to silty sand	50-60	32-34	18	UNDEFINED
15.25	50.03	82.19	0.25	0.30	158.56	sand	50-60	34-36	16	UNDEFINED
15.50	50.85	59.67	0.17	0.29	160.85	sand to silty sand	40-50	30-32	15	UNDEFINED
15.75	51.67	84.71	0.25	0.30	163.15	sand	50-60	34-36	17	UNDEFINED
16.00	52.49	100.20	0.30	0.30	165.45	sand	60-70	34-36	20	UNDEFINED
16.25	53.31	84.17	0.26	0.30	167.74	sand	50-60	32-34	17	UNDEFINED
16.50	54.13	88.63	0.36	0.41	170.04	sand	50-60	34-36	18	UNDEFINED
16.75	54.95	77.25	0.24	0.31	172.34	sand to silty sand	50-60	32-34	19	UNDEFINED
17.00	55.77	78.56	0.25	0.32	174.63	sand to silty sand	50-60	32-34	20	UNDEFINED
17.25	56.59	81.84	0.27	0.33	176.93	sand	50-60	32-34	16	UNDEFINED
17.50	57.41	65.97	0.17	0.26	179.23	sand to silty sand	40-50	30-32	16	UNDEFINED
17.75	58.23	69.48	0.18	0.26	181.52	sand to silty sand	40-50	30-32	17	UNDEFINED
18.00	59.06	87.62	0.26	0.30	183.82	sand	50-60	32-34	18	UNDEFINED
18.25	59.88	103.81	0.33	0.31	186.12	sand	50-60	34-36	21	UNDEFINED
18.50	60.70	114.02	0.37	0.33	188.41	sand	60-70	34-36	23	UNDEFINED
18.75	61.52	121.67	0.48	0.40	190.71	sand	60-70	34-36	24	UNDEFINED
19.00	62.34	179.88	0.47	0.26	193.01	sand	70-80	36-38	36	UNDEFINED
19.25	63.16	160.94	0.37	0.23	195.30	sand	70-80	36-38	32	UNDEFINED
19.50	63.98	163.01	0.39	0.24	197.60	sand	70-80	36-38	33	UNDEFINED
19.75	64.80	163.33	0.31	0.19	199.90	sand	70-80	36-38	33	UNDEFINED
20.00	65.62	159.78	0.34	0.21	202.19	sand	70-80	36-38	32	UNDEFINED

Dr - All sands (Jamolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV ^P (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	146.92	0.33	0.23	204.49	sand	60-70	36-38	29	UNDEFINED
20.50	67.26	132.57	0.31	0.24	206.79	sand	60-70	34-36	27	UNDEFINED
20.75	68.08	87.31	0.47	0.54	209.08	sand to silty sand	50-60	32-34	22	UNDEFINED
21.00	68.90	109.16	0.52	0.48	211.38	sand	50-60	32-34	22	UNDEFINED
21.25	69.72	123.20	0.45	0.37	213.67	sand	60-70	34-36	25	UNDEFINED
21.50	70.54	130.60	0.35	0.27	215.97	sand	60-70	34-36	26	UNDEFINED
21.75	71.36	139.69	0.34	0.24	218.27	sand	60-70	34-36	28	UNDEFINED
22.00	72.18	135.66	0.37	0.27	220.56	sand	60-70	34-36	27	UNDEFINED
22.25	73.00	118.70	0.33	0.28	222.86	sand	60-70	34-36	24	UNDEFINED
22.50	73.82	122.36	0.32	0.26	225.16	sand	60-70	34-36	24	UNDEFINED
22.75	74.64	112.96	0.32	0.29	227.45	sand	50-60	32-34	23	UNDEFINED
23.00	75.46	131.41	0.42	0.32	229.75	sand	60-70	34-36	26	UNDEFINED
23.25	76.28	110.57	0.38	0.34	232.05	sand	50-60	32-34	22	UNDEFINED
23.50	77.10	109.44	0.42	0.39	234.34	sand	50-60	32-34	22	UNDEFINED
23.75	77.92	113.45	0.29	0.26	236.64	sand	50-60	32-34	23	UNDEFINED
24.00	78.74	134.76	0.42	0.31	238.94	sand	60-70	34-36	27	UNDEFINED
24.25	79.56	169.27	0.47	0.28	241.23	sand	60-70	36-38	34	UNDEFINED
24.50	80.38	178.16	0.45	0.25	243.53	sand	70-80	36-38	36	UNDEFINED
24.75	81.20	144.22	0.44	0.31	245.83	sand	60-70	34-36	29	UNDEFINED
25.00	82.02	143.08	0.44	0.31	248.12	sand	60-70	34-36	29	UNDEFINED
25.25	82.84	168.27	0.48	0.28	250.42	sand	60-70	34-36	34	UNDEFINED
25.50	83.66	161.68	0.49	0.30	252.72	sand	60-70	34-36	32	UNDEFINED
25.75	84.48	140.93	0.61	0.43	255.01	sand	60-70	34-36	28	UNDEFINED
26.00	85.30	177.65	0.48	0.27	257.31	sand	70-80	34-36	36	UNDEFINED
26.25	86.12	178.14	0.47	0.26	259.61	sand	70-80	34-36	36	UNDEFINED
26.50	86.94	134.34	0.48	0.36	261.90	sand	60-70	32-34	27	UNDEFINED
26.80	87.93	193.38	0.61	0.32	264.43	sand	70-80	36-38	39	UNDEFINED
27.05	88.75	259.04	0.60	0.23	266.96	gravelly sand to sand	80-90	38-40	43	UNDEFINED
27.30	89.57	276.05	0.55	0.20	269.25	gravelly sand to sand	80-90	38-40	46	UNDEFINED
27.55	90.39	250.23	0.54	0.21	271.55	gravelly sand to sand	70-80	36-38	42	UNDEFINED
27.80	91.21	188.37	0.47	0.25	273.85	sand	70-80	34-36	38	UNDEFINED
28.05	92.03	170.08	0.37	0.22	276.14	sand	60-70	34-36	34	UNDEFINED
28.30	92.85	152.90	0.31	0.20	278.44	sand	60-70	34-36	31	UNDEFINED
28.55	93.67	115.40	0.43	0.37	280.74	sand	50-60	32-34	23	UNDEFINED
28.80	94.49	196.79	0.54	0.27	283.03	sand	70-80	34-36	39	UNDEFINED
29.05	95.31	219.36	0.44	0.20	285.33	gravelly sand to sand	70-80	36-38	37	UNDEFINED
29.30	96.13	246.32	0.40	0.16	287.63	gravelly sand to sand	70-80	36-38	41	UNDEFINED
29.55	96.95	231.12	0.31	0.13	289.92	gravelly sand to sand	70-80	36-38	39	UNDEFINED
29.80	97.77	101.88	0.46	0.45	292.22	sand	50-60	30-32	20	UNDEFINED
30.05	98.59	156.75	0.71	0.46	294.52	sand	60-70	34-36	31	UNDEFINED
30.30	99.41	123.33	0.78	0.63	296.81	sand	50-60	32-34	25	UNDEFINED
30.55	100.23	26.59	0.23	0.87	299.11	silty sand to sandy silt	<40	<30	9	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.80	101.05	23.35	0.23	0.98	301.40	silty sand to sandy silt	<40	<30	8	UNDEFINED
31.05	101.87	56.99	0.75	1.31	303.70	silty sand to sandy silt	<40	<30	19	UNDEFINED
31.30	102.69	39.34	0.45	1.15	306.00	silty sand to sandy silt	<40	<30	13	UNDEFINED
31.55	103.51	54.45	0.48	0.89	308.29	sand to silty sand	<40	<30	14	UNDEFINED
31.80	104.33	29.25	0.37	1.26	310.59	silty sand to sandy silt	<40	<30	10	UNDEFINED
32.05	105.15	99.99	0.66	0.66	312.89	sand to silty sand	50-60	30-32	25	UNDEFINED
32.30	105.97	131.73	1.02	0.78	315.18	sand	50-60	32-34	26	UNDEFINED
32.55	106.79	69.23	0.43	0.62	317.48	sand to silty sand	40-50	<30	17	UNDEFINED
32.80	107.61	60.03	0.58	0.96	319.78	sand to silty sand	<40	<30	15	UNDEFINED
33.05	108.43	76.94	0.55	0.72	322.07	sand to silty sand	40-50	<30	19	UNDEFINED
33.30	109.25	51.51	0.49	0.95	324.37	silty sand to sandy silt	<40	<30	17	UNDEFINED
33.55	110.07	50.86	0.74	1.46	326.67	silty sand to sandy silt	<40	<30	17	UNDEFINED
33.80	110.89	26.61	0.42	1.58	328.96	sandy silt to clayey silt	UNDFND	UNDFND	11	161.6
34.05	111.71	41.62	0.43	1.04	331.26	silty sand to sandy silt	<40	<30	14	UNDEFINED
34.30	112.53	45.56	0.38	0.84	333.56	silty sand to sandy silt	<40	<30	15	UNDEFINED
34.55	113.35	138.89	0.59	0.42	335.85	sand	50-60	32-34	28	UNDEFINED
34.80	114.17	158.14	0.69	0.43	338.15	sand	60-70	32-34	32	UNDEFINED
35.05	114.99	138.36	0.67	0.48	340.45	sand	50-60	32-34	28	UNDEFINED
35.30	115.81	85.94	0.58	0.68	342.74	sand to silty sand	40-50	<30	21	UNDEFINED
35.55	116.63	62.19	0.55	0.88	345.04	sand to silty sand	<40	<30	16	UNDEFINED

Dr - All sands (Janiolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : 4 & WESTMINSTER
 HOLE : 94-112 SCPT-5 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:11:94 09:46
 CONE : 10 TON AD 013
 Water table (meters) : 3

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	23.47	0.56	2.38	2.37	sandy silt to clayey silt	UNDFND	UNDFD	9	187.6
0.50	1.64	18.88	0.25	1.32	7.12	sandy silt to clayey silt	UNDFND	UNDFD	8	150.4
0.75	2.46	18.39	0.10	0.57	11.87	silty sand to sandy silt	40-50	40-42	6	UNDEFINED
1.00	3.28	16.31	0.06	0.38	16.62	sandy silt to clayey silt	UNDFND	UNDFD	7	129.1
1.25	4.10	15.49	0.05	0.34	21.37	sandy silt to clayey silt	UNDFND	UNDFD	6	122.2
1.50	4.92	18.14	0.05	0.29	26.11	silty sand to sandy silt	<40	34-36	6	UNDEFINED
1.75	5.74	16.22	0.03	0.20	30.86	silty sand to sandy silt	<40	34-36	5	UNDEFINED
2.00	6.56	12.97	0.03	0.26	35.61	sandy silt to clayey silt	UNDFND	UNDFD	5	100.8
2.25	7.38	18.30	0.05	0.25	40.36	silty sand to sandy silt	<40	32-34	6	UNDEFINED
2.50	8.20	19.03	0.05	0.24	45.11	silty sand to sandy silt	<40	32-34	6	UNDEFINED
2.75	9.02	19.17	0.05	0.24	49.86	silty sand to sandy silt	<40	30-32	6	UNDEFINED
3.00	9.84	24.83	0.06	0.23	54.60	silty sand to sandy silt	<40	32-34	8	UNDEFINED
3.25	10.66	18.36	0.05	0.27	58.13	silty sand to sandy silt	<40	30-32	6	UNDEFINED
3.50	11.48	25.55	0.09	0.36	60.42	silty sand to sandy silt	<40	32-34	9	UNDEFINED
3.75	12.30	26.55	0.09	0.35	62.72	silty sand to sandy silt	<40	32-34	9	UNDEFINED
4.00	13.12	30.78	0.09	0.29	65.02	silty sand to sandy silt	<40	32-34	10	UNDEFINED
4.25	13.94	57.34	0.21	0.36	67.31	sand to silty sand	50-60	36-38	14	UNDEFINED
4.50	14.76	75.68	0.15	0.20	69.61	sand	60-70	38-40	15	UNDEFINED
4.75	15.58	84.07	0.33	0.39	71.91	sand	60-70	38-40	17	UNDEFINED
5.00	16.40	81.79	0.28	0.35	74.20	sand	60-70	38-40	16	UNDEFINED
5.25	17.22	113.95	0.35	0.31	76.50	sand	70-80	40-42	23	UNDEFINED
5.50	18.04	141.98	0.45	0.32	78.80	sand	80-90	40-42	28	UNDEFINED
5.75	18.86	140.49	0.46	0.33	81.09	sand	80-90	40-42	28	UNDEFINED
6.00	19.69	108.65	0.34	0.32	83.39	sand	70-80	38-40	22	UNDEFINED
6.25	20.51	126.95	0.35	0.27	85.69	sand	70-80	40-42	25	UNDEFINED
6.50	21.33	119.96	0.36	0.30	87.98	sand	70-80	40-42	24	UNDEFINED
6.75	22.15	125.90	0.38	0.30	90.28	sand	70-80	40-42	25	UNDEFINED
7.00	22.97	114.56	0.33	0.29	92.57	sand	70-80	38-40	23	UNDEFINED
7.25	23.79	96.86	0.29	0.30	94.87	sand	60-70	38-40	19	UNDEFINED
7.50	24.61	99.73	0.36	0.36	97.17	sand	60-70	38-40	20	UNDEFINED
7.75	25.43	105.79	0.38	0.36	99.46	sand	60-70	38-40	21	UNDEFINED
8.00	26.25	91.19	0.35	0.39	101.76	sand	60-70	36-38	18	UNDEFINED
8.25	27.07	73.58	0.22	0.29	104.06	sand to silty sand	50-60	36-38	18	UNDEFINED
8.50	27.89	85.61	0.27	0.32	106.35	sand	60-70	36-38	17	UNDEFINED
8.75	28.71	87.10	0.28	0.33	108.65	sand	60-70	36-38	17	UNDEFINED
9.00	29.53	105.17	0.31	0.30	110.95	sand	60-70	36-38	21	UNDEFINED
9.25	30.35	114.21	0.35	0.30	113.24	sand	60-70	38-40	23	UNDEFINED
9.50	31.17	92.64	0.27	0.30	115.54	sand	60-70	36-38	19	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	133.92	0.37	0.28	117.84	sand	70-80	38-40	27	UNDEFINED
10.00	32.81	157.14	0.44	0.28	120.13	sand	70-80	38-40	31	UNDEFINED
10.25	33.63	140.00	0.33	0.24	122.43	sand	70-80	38-40	28	UNDEFINED
10.50	34.45	105.55	0.31	0.29	124.73	sand	60-70	36-38	21	UNDEFINED
10.75	35.27	121.86	0.36	0.30	127.02	sand	60-70	36-38	24	UNDEFINED
11.00	36.09	114.65	0.34	0.30	129.32	sand	60-70	36-38	23	UNDEFINED
11.25	36.91	129.71	0.38	0.29	131.62	sand	70-80	38-40	26	UNDEFINED
11.50	37.73	102.29	0.31	0.30	133.91	sand	60-70	36-38	20	UNDEFINED
11.75	38.55	81.32	0.23	0.28	136.21	sand	50-60	34-36	16	UNDEFINED
12.00	39.37	94.95	0.29	0.30	138.51	sand	60-70	34-36	19	UNDEFINED
12.25	40.19	81.91	0.24	0.29	140.80	sand	50-60	34-36	16	UNDEFINED
12.50	41.01	65.38	0.46	0.70	143.10	sand to silty sand	40-50	32-34	16	UNDEFINED
12.75	41.83	98.68	0.57	0.58	145.40	sand	60-70	34-36	20	UNDEFINED
13.00	42.65	142.72	0.38	0.27	147.69	sand	70-80	38-40	29	UNDEFINED
13.25	43.47	113.50	0.36	0.32	149.99	sand	60-70	36-38	23	UNDEFINED
13.50	44.29	88.22	0.59	0.67	152.29	sand to silty sand	50-60	34-36	22	UNDEFINED
13.75	45.11	122.98	0.36	0.29	154.58	sand	60-70	36-38	25	UNDEFINED
14.00	45.93	145.70	0.43	0.30	156.88	sand	70-80	36-38	29	UNDEFINED
14.25	46.75	147.17	0.45	0.31	159.18	sand	70-80	36-38	29	UNDEFINED
14.50	47.57	102.34	0.30	0.30	161.47	sand	60-70	34-36	20	UNDEFINED
14.75	48.39	87.43	0.26	0.30	163.77	sand	50-60	34-36	17	UNDEFINED
15.00	49.21	86.96	0.25	0.29	166.07	sand	50-60	34-36	17	UNDEFINED
15.25	50.03	114.25	0.37	0.32	168.36	sand	60-70	34-36	23	UNDEFINED
15.50	50.85	138.12	0.46	0.33	170.66	sand	60-70	36-38	28	UNDEFINED
15.75	51.67	116.09	0.38	0.33	172.96	sand	60-70	34-36	23	UNDEFINED
16.00	52.49	104.05	0.30	0.29	175.25	sand	60-70	34-36	21	UNDEFINED
16.25	53.31	118.10	0.35	0.29	177.55	sand	60-70	34-36	24	UNDEFINED
16.50	54.13	119.56	0.36	0.30	179.85	sand	60-70	34-36	24	UNDEFINED
16.75	54.95	125.32	0.47	0.37	182.14	sand	60-70	34-36	25	UNDEFINED
17.00	55.77	59.81	0.64	1.07	184.44	silty sand to sandy silt	40-50	30-32	20	UNDEFINED
17.25	56.59	83.69	0.35	0.42	186.74	sand to silty sand	50-60	32-34	21	UNDEFINED
17.50	57.41	119.22	0.63	0.53	189.03	sand	60-70	34-36	24	UNDEFINED
17.75	58.23	57.29	0.44	0.77	191.33	sand to silty sand	40-50	30-32	14	UNDEFINED
18.00	59.06	82.71	0.48	0.59	193.63	sand to silty sand	50-60	32-34	21	UNDEFINED
18.25	59.88	237.97	1.05	0.44	195.92	gravelly sand to sand	80-90	38-40	40	UNDEFINED
18.50	60.70	207.74	0.73	0.35	198.22	sand	70-80	38-40	42	UNDEFINED
18.75	61.52	132.96	0.45	0.34	200.52	sand	60-70	34-36	27	UNDEFINED
19.00	62.34	175.30	0.53	0.30	202.81	sand	70-80	36-38	35	UNDEFINED
19.25	63.16	222.65	0.41	0.18	205.11	gravelly sand to sand	70-80	38-40	37	UNDEFINED
19.50	63.98	246.15	0.30	0.12	207.40	gravelly sand to sand	80-90	38-40	41	UNDEFINED
19.75	64.80	184.35	0.31	0.17	209.70	sand	70-80	36-38	37	UNDEFINED
20.00	65.62	70.67	0.72	1.02	212.00	sand to silty sand	40-50	30-32	18	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (Z)	SIGV ^o (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	117.81	0.57	0.49	214.29					
20.50	67.26	188.37	0.53	0.28	216.59	sand	60-70	34-36	24	UNDEFINED
20.75	68.08	184.93	0.71	0.38	218.89	sand	70-80	36-38	38	UNDEFINED
21.00	68.90	117.93	0.67	0.57	221.18	sand	70-80	36-38	37	UNDEFINED
21.25	69.72	174.36	0.41	0.24	223.48	sand	60-70	34-36	24	UNDEFINED
21.50	70.54	218.58	0.39	0.18	225.78	sand	70-80	36-38	35	UNDEFINED
21.75	71.36	205.05	0.35	0.17	228.07	gravelly sand to sand	70-80	38-40	36	UNDEFINED
22.00	72.18	177.89	0.51	0.28	230.37	gravelly sand to sand	70-80	36-38	34	UNDEFINED
22.25	73.00	201.65	0.36	0.18	232.67	sand	70-80	36-38	36	UNDEFINED
22.50	73.82	169.75	0.32	0.19	234.96	gravelly sand to sand	70-80	36-38	34	UNDEFINED
22.75	74.64	141.13	0.36	0.26	237.26	sand	70-80	36-38	34	UNDEFINED
23.00	75.46	128.25	0.35	0.28	239.56	sand	60-70	34-36	28	UNDEFINED
23.25	76.28	120.20	0.27	0.22	241.85	sand	60-70	34-36	26	UNDEFINED
23.50	77.10	123.99	0.28	0.22	244.15	sand	50-60	32-34	24	UNDEFINED
23.75	77.92	140.09	0.35	0.25	246.45	sand	60-70	32-34	25	UNDEFINED
24.00	78.74	209.42	0.54	0.26	248.74	sand	60-70	34-36	28	UNDEFINED
24.25	79.56	154.08	0.42	0.27	251.04	gravelly sand to sand	70-80	36-38	35	UNDEFINED
24.50	80.38	150.50	0.44	0.29	253.34	sand	60-70	34-36	31	UNDEFINED
24.75	81.20	189.68	0.52	0.27	255.63	sand	60-70	34-36	30	UNDEFINED
25.00	82.02	205.13	0.48	0.23	257.93	sand	70-80	36-38	38	UNDEFINED
25.25	82.84	203.04	0.37	0.18	260.23	gravelly sand to sand	70-80	36-38	34	UNDEFINED
25.50	83.66	226.34	0.36	0.16	262.52	gravelly sand to sand	70-80	36-38	38	UNDEFINED
25.75	84.48	237.87	0.35	0.15	264.82	gravelly sand to sand	70-80	36-38	40	UNDEFINED
26.00	85.30	162.17	0.28	0.17	267.12	gravelly sand to sand	70-80	36-38	40	UNDEFINED
26.25	86.12	174.09	0.55	0.31	269.41	sand	60-70	34-36	32	UNDEFINED
26.50	86.94	233.31	0.55	0.24	271.71	sand	60-70	34-36	35	UNDEFINED
26.75	87.76	67.63	0.70	1.03	274.01	gravelly sand to sand	70-80	36-38	39	UNDEFINED
27.00	88.58	38.30	0.22	0.58	276.30	sand to silty sand	40-50	<30	17	UNDEFINED
27.25	89.40	44.76	0.23	0.51	278.60	silty sand to sandy silt	<40	<30	13	UNDEFINED
27.50	90.22	59.12	0.27	0.46	280.90	sand to silty sand	<40	<30	11	UNDEFINED
27.75	91.04	49.05	0.15	0.31	283.19	sand to silty sand	<40	<30	15	UNDEFINED
28.00	91.86	39.75	0.20	0.50	285.49	sand to silty sand	<40	<30	12	UNDEFINED
28.25	92.68	40.40	0.23	0.57	287.79	sand to silty sand	<40	<30	10	UNDEFINED
28.50	93.50	34.18	0.13	0.39	290.08	silty sand to sandy silt	<40	<30	13	UNDEFINED
28.75	94.32	63.59	0.33	0.52	292.38	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.00	95.14	39.44	0.19	0.48	294.68	sand to silty sand	<40	<30	16	UNDEFINED
29.25	95.96	36.85	0.14	0.39	296.97	sand to silty sand	<40	<30	10	UNDEFINED
29.50	96.78	41.07	0.14	0.35	299.27	sand to silty sand	<40	<30	9	UNDEFINED
29.75	97.60	37.77	0.13	0.33	301.57	sand to silty sand	<40	<30	10	UNDEFINED
30.00	98.43	35.91	0.11	0.32	303.86	sand to silty sand	<40	<30	9	UNDEFINED
30.25	99.25	37.37	0.14	0.37	306.16	sand to silty sand	<40	<30	9	UNDEFINED
30.50	100.07	44.02	0.32	0.72	308.46	sand to silty sand	<40	<30	9	UNDEFINED
						silty sand to sandy silt	<40	<30	15	UNDEFINED

Dr - All sands (Janioolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	35.45	0.12	0.33	310.75	sand to silty sand	<40	<30	9	UNDEFINED
31.00	101.71	38.48	0.17	0.45	313.05	sand to silty sand	<40	<30	10	UNDEFINED
31.25	102.53	35.32	0.15	0.42	315.35	silty sand to sandy silt	<40	<30	12	UNDEFINED
31.50	103.35	46.53	0.26	0.56	317.64	sand to silty sand	<40	<30	12	UNDEFINED
31.75	104.17	43.49	0.17	0.40	319.94	sand to silty sand	<40	<30	11	UNDEFINED
32.00	104.99	40.21	0.21	0.53	322.23	sand to silty sand	<40	<30	10	UNDEFINED
32.25	105.81	37.27	0.20	0.53	324.53	silty sand to sandy silt	<40	<30	12	UNDEFINED
32.50	106.63	41.23	0.23	0.57	326.83	sand to silty sand	<40	<30	10	UNDEFINED
32.75	107.45	39.79	0.20	0.51	329.12	sand to silty sand	<40	<30	10	UNDEFINED
33.00	108.27	41.01	0.22	0.54	331.42	sand to silty sand	<40	<30	10	UNDEFINED
33.25	109.09	39.86	0.16	0.41	333.72	sand to silty sand	<40	<30	10	UNDEFINED
33.50	109.91	41.26	0.24	0.58	336.01	sand to silty sand	<40	<30	10	UNDEFINED
33.75	110.73	37.74	0.16	0.41	338.31	sand to silty sand	<40	<30	9	UNDEFINED
34.00	111.55	34.45	0.12	0.34	340.61	silty sand to sandy silt	<40	<30	11	UNDEFINED
34.25	112.37	38.40	0.13	0.35	342.90	sand to silty sand	<40	<30	10	UNDEFINED
34.50	113.19	35.87	0.13	0.37	345.20	silty sand to sandy silt	<40	<30	12	UNDEFINED
34.75	114.01	50.08	0.19	0.38	347.50	sand to silty sand	<40	<30	13	UNDEFINED
35.00	114.83	37.90	0.16	0.43	349.79	sand to silty sand	<40	<30	9	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : B0TH/BCR S DELTA
 HOLE : 94-112 SCPT-6 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:11:94 12:45
 CONE : 10 TON AD-013
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	17.52	0.60	3.44	2.37	silty clay to clay	UNDFND	UNDFD	12	139.9
0.50	1.64	19.58	0.71	3.63	7.12	silty clay to clay	UNDFND	UNDFD	13	156.0
0.75	2.46	15.47	0.76	4.94	11.87	clay	UNDFND	UNDFD	15	122.8
1.00	3.28	8.75	0.58	6.63	16.62	clay	UNDFND	UNDFD	9	68.6
1.25	4.10	7.02	0.33	4.67	20.14	clay	UNDFND	UNDFD	7	54.4
1.50	4.92	5.56	0.20	3.60	22.44	clay	UNDFND	UNDFD	6	42.3
1.75	5.74	4.28	0.11	2.48	24.73	clay	UNDFND	UNDFD	4	31.7
2.00	6.56	4.62	0.11	2.34	27.03	clay	UNDFND	UNDFD	5	34.0
2.25	7.38	6.36	0.09	1.35	29.33	sensitive fine grained	UNDFND	UNDFD	3	47.6
2.50	8.20	7.68	0.09	1.20	31.62	clayey silt to silty clay	UNDFND	UNDFD	4	57.8
2.75	9.02	5.12	0.04	0.82	33.92	sensitive fine grained	UNDFND	UNDFD	3	36.9
3.00	9.84	4.76	0.05	0.97	36.22	sensitive fine grained	UNDFND	UNDFD	2	33.7
3.25	10.66	5.93	0.11	1.82	38.51	silty clay to clay	UNDFND	UNDFD	4	42.7
3.50	11.48	5.97	0.17	2.85	40.81	clay	UNDFND	UNDFD	6	42.6
3.75	12.30	5.77	0.12	2.11	43.11	silty clay to clay	UNDFND	UNDFD	4	40.6
4.00	13.12	5.49	0.08	1.38	45.40	sensitive fine grained	UNDFND	UNDFD	3	38.0
4.25	13.94	5.36	0.05	0.97	47.70	sensitive fine grained	UNDFND	UNDFD	3	36.6
4.50	14.76	6.67	0.05	0.75	50.00	sensitive fine grained	UNDFND	UNDFD	3	46.7
4.75	15.58	11.41	0.12	1.07	52.29	sandy silt to clayey silt	UNDFND	UNDFD	5	84.2
5.00	16.40	69.92	0.16	0.22	54.59	sand to silty sand	60-70	38-40	17	UNDEFINED
5.25	17.22	101.93	0.36	0.36	56.89	sand	70-80	40-42	20	UNDEFINED
5.50	18.04	87.76	0.32	0.36	59.18	sand	70-80	40-42	18	UNDEFINED
5.75	18.86	70.34	0.33	0.47	61.48	sand to silty sand	60-70	38-40	18	UNDEFINED
6.00	19.69	64.95	0.23	0.35	63.78	sand to silty sand	60-70	38-40	16	UNDEFINED
6.25	20.51	48.44	0.24	0.50	66.07	sand to silty sand	50-60	36-38	12	UNDEFINED
6.50	21.33	66.05	0.46	0.70	68.37	sand to silty sand	60-70	38-40	17	UNDEFINED
6.75	22.15	105.34	0.43	0.41	70.67	sand	70-80	40-42	21	UNDEFINED
7.00	22.97	117.45	0.49	0.42	72.96	sand	70-80	40-42	23	UNDEFINED
7.25	23.79	130.40	0.54	0.42	75.26	sand	70-80	40-42	26	UNDEFINED
7.50	24.61	115.78	0.55	0.48	77.56	sand	70-80	40-42	23	UNDEFINED
7.75	25.43	94.16	0.46	0.49	79.85	sand	60-70	38-40	19	UNDEFINED
8.00	26.25	74.18	0.41	0.55	82.15	sand to silty sand	60-70	36-38	19	UNDEFINED
8.25	27.07	82.72	0.40	0.48	84.45	sand to silty sand	60-70	38-40	21	UNDEFINED
8.50	27.89	80.99	0.41	0.51	86.74	sand to silty sand	60-70	36-38	20	UNDEFINED
8.75	28.71	62.20	0.48	0.77	89.04	sand to silty sand	50-60	34-36	16	UNDEFINED
9.00	29.53	112.93	0.42	0.37	91.34	sand	70-80	38-40	23	UNDEFINED
9.25	30.35	155.52	0.43	0.28	93.63	sand	80-90	40-42	31	UNDEFINED
9.50	31.17	168.40	0.44	0.26	95.93	sand	80-90	40-42	34	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTRI (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	136.78	0.32	0.24	98.23	sand	70-80	40-42	27	UNDEFINED
10.00	32.81	117.83	0.29	0.24	100.52	sand	70-80	38-40	24	UNDEFINED
10.25	33.63	111.05	0.30	0.27	102.82	sand	60-70	38-40	22	UNDEFINED
10.50	34.45	97.26	0.27	0.27	105.11	sand	60-70	36-38	19	UNDEFINED
10.75	35.27	91.95	0.29	0.31	107.41	sand	60-70	36-38	18	UNDEFINED
11.00	36.09	92.21	0.27	0.29	109.71	sand	60-70	36-38	18	UNDEFINED
11.25	36.91	95.87	0.30	0.32	112.00	sand	60-70	36-38	19	UNDEFINED
11.50	37.73	82.78	0.26	0.31	114.30	sand	50-60	36-38	17	UNDEFINED
11.75	38.55	120.11	0.37	0.31	116.60	sand	70-80	38-40	24	UNDEFINED
12.00	39.37	123.62	0.36	0.29	118.89	sand	70-80	38-40	25	UNDEFINED
12.25	40.19	81.41	0.25	0.31	121.19	sand	50-60	34-36	16	UNDEFINED
12.50	41.01	69.88	0.23	0.33	123.49	sand to silty sand	50-60	34-36	17	UNDEFINED
12.75	41.83	106.48	0.33	0.31	125.78	sand	60-70	36-38	21	UNDEFINED
13.00	42.65	126.48	0.35	0.28	128.08	sand	70-80	38-40	25	UNDEFINED
13.25	43.47	74.19	0.34	0.46	130.38	sand to silty sand	50-60	34-36	19	UNDEFINED
13.50	44.29	71.54	0.22	0.30	132.67	sand to silty sand	50-60	34-36	18	UNDEFINED
13.75	45.11	127.46	0.60	0.47	134.97	sand	60-70	36-38	25	UNDEFINED
14.00	45.93	147.64	0.31	0.21	137.27	sand	70-80	38-40	30	UNDEFINED
14.25	46.75	98.08	0.25	0.25	139.56	sand	60-70	36-38	20	UNDEFINED
14.50	47.57	120.79	0.31	0.26	141.86	sand	60-70	36-38	24	UNDEFINED
14.75	48.39	107.27	0.28	0.26	144.16	sand	60-70	36-38	21	UNDEFINED
15.00	49.21	120.62	0.34	0.28	146.45	sand	60-70	36-38	24	UNDEFINED
15.25	50.03	120.38	0.33	0.28	148.75	sand	60-70	36-38	24	UNDEFINED
15.50	50.85	119.46	0.30	0.25	151.05	sand	60-70	36-38	24	UNDEFINED
15.75	51.67	134.35	0.32	0.24	153.34	sand	60-70	36-38	27	UNDEFINED
16.00	52.49	112.90	0.31	0.27	155.64	sand	60-70	36-38	23	UNDEFINED
16.25	53.31	98.72	0.28	0.28	157.94	sand	60-70	34-36	20	UNDEFINED
16.50	54.13	80.96	0.26	0.32	160.23	sand	50-60	32-34	16	UNDEFINED
16.75	54.95	82.88	0.27	0.32	162.53	sand	50-60	32-34	17	UNDEFINED
17.00	55.77	110.01	0.32	0.29	164.83	sand	60-70	34-36	22	UNDEFINED
17.25	56.59	102.22	0.52	0.50	167.12	sand	60-70	34-36	20	UNDEFINED
17.50	57.41	194.91	0.60	0.31	169.42	sand	70-80	38-40	39	UNDEFINED
17.75	58.23	207.90	0.45	0.21	171.72	gravelly sand to sand	80-90	38-40	35	UNDEFINED
18.00	59.06	160.59	0.41	0.26	174.01	sand	70-80	36-38	32	UNDEFINED
18.25	59.88	186.81	0.44	0.24	176.31	sand	70-80	38-40	37	UNDEFINED
18.50	60.70	174.87	0.38	0.22	178.61	sand	70-80	38-40	35	UNDEFINED
18.75	61.52	153.54	0.43	0.28	180.90	sand	70-80	36-38	31	UNDEFINED
19.00	62.34	213.91	0.47	0.22	183.20	gravelly sand to sand	80-90	38-40	36	UNDEFINED
19.25	63.16	164.71	0.35	0.21	185.50	sand	70-80	36-38	33	UNDEFINED
19.50	63.98	151.56	0.45	0.30	187.79	sand	70-80	36-38	30	UNDEFINED
19.75	64.80	47.41	0.52	1.10	190.09	silty sand to sandy silt	<40	<30	16	UNDEFINED
20.00	65.62	17.52	0.10	0.56	192.39	sandy silt to clayey silt	UNDFND	UNDFD	7	109.9

Dr - All sands (Jamioikovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	26.86	0.27	1.01	194.68	silty sand to sandy silt	<40	<30	9	UNDEFINED
20.50	67.26	100.36	0.63	0.62	196.98	sand	50-60	32-34	20	UNDEFINED
20.75	68.08	125.54	0.59	0.47	199.28	sand	60-70	34-36	25	UNDEFINED
21.00	68.90	144.98	0.63	0.43	201.57	sand	60-70	36-38	29	UNDEFINED
21.25	69.72	135.93	0.66	0.48	203.87	sand	60-70	34-36	27	UNDEFINED
21.50	70.54	114.92	0.80	0.69	206.17	sand	60-70	34-36	23	UNDEFINED
21.75	71.36	27.37	0.34	1.24	208.46	silty sand to sandy silt	<40	<30	9	UNDEFINED
22.00	72.18	147.16	0.61	0.42	210.76	sand	60-70	34-36	29	UNDEFINED
22.25	73.00	160.01	0.63	0.39	213.06	sand	60-70	36-38	32	UNDEFINED
22.50	73.82	137.93	0.63	0.46	215.35	sand	60-70	34-36	28	UNDEFINED
22.75	74.64	118.06	0.92	0.78	217.65	sand	60-70	34-36	24	UNDEFINED
23.00	75.46	34.43	0.59	1.73	219.94	sandy silt to clayey silt	UNDFND	UNDFD	14	240.6
23.25	76.28	31.10	0.40	1.29	222.24	silty sand to sandy silt	<40	<30	10	UNDEFINED
23.50	77.10	29.16	0.28	0.97	224.54	silty sand to sandy silt	<40	<30	10	UNDEFINED
23.75	77.92	72.46	0.60	0.83	226.83	sand to silty sand	40-50	30-32	18	UNDEFINED
24.00	78.74	23.46	0.24	1.04	229.13	sandy silt to clayey silt	UNDFND	UNDFD	9	151.3
24.25	79.56	21.06	0.15	0.72	231.43	silty sand to sandy silt	<40	<30	7	UNDEFINED
24.50	80.38	21.28	0.15	0.72	233.72	silty sand to sandy silt	<40	<30	7	UNDEFINED
24.75	81.20	17.29	0.12	0.72	236.02	sandy silt to clayey silt	UNDFND	UNDFD	7	100.9
25.00	82.02	23.32	0.13	0.57	238.32	silty sand to sandy silt	<40	<30	8	UNDEFINED
25.25	82.84	39.29	0.45	1.15	240.61	silty sand to sandy silt	<40	<30	13	UNDEFINED
25.50	83.66	23.08	0.20	0.86	242.91	silty sand to sandy silt	<40	<30	8	UNDEFINED
25.75	84.48	51.65	0.29	0.55	245.21	sand to silty sand	<40	<30	13	UNDEFINED
26.00	85.30	35.01	0.35	0.99	247.50	silty sand to sandy silt	<40	<30	12	UNDEFINED
26.25	86.12	63.14	0.39	0.61	249.80	sand to silty sand	40-50	<30	16	UNDEFINED
26.50	86.94	76.95	0.37	0.48	252.10	sand to silty sand	40-50	30-32	19	UNDEFINED
26.75	87.76	42.35	0.43	1.01	254.39	silty sand to sandy silt	<40	<30	14	UNDEFINED
27.00	88.58	43.05	0.31	0.72	256.69	silty sand to sandy silt	<40	<30	14	UNDEFINED
27.25	89.40	34.10	0.30	0.89	258.99	silty sand to sandy silt	<40	<30	11	UNDEFINED
27.50	90.22	62.07	0.52	0.84	261.28	sand to silty sand	<40	<30	16	UNDEFINED
27.75	91.04	26.78	0.36	1.35	263.58	sandy silt to clayey silt	UNDFND	UNDFD	11	172.2
28.00	91.86	29.90	0.23	0.76	265.88	silty sand to sandy silt	<40	<30	10	UNDEFINED
28.25	92.68	43.87	0.30	0.67	268.17	silty sand to sandy silt	<40	<30	15	UNDEFINED
28.50	93.50	54.22	0.49	0.90	270.47	sand to silty sand	<40	<30	14	UNDEFINED
28.75	94.32	20.14	0.18	0.88	272.77	sandy silt to clayey silt	UNDFND	UNDFD	8	117.6
29.00	95.14	19.88	0.10	0.48	275.06	silty sand to sandy silt	<40	<30	7	UNDEFINED
29.25	95.96	17.83	0.08	0.43	277.36	silty sand to sandy silt	<40	<30	6	UNDEFINED
29.50	96.78	16.24	0.07	0.42	279.66	sandy silt to clayey silt	UNDFND	UNDFD	6	85.2
29.75	97.60	21.29	0.28	1.31	281.95	sandy silt to clayey silt	UNDFND	UNDFD	9	125.2
30.00	98.43	31.13	0.36	1.16	284.25	silty sand to sandy silt	<40	<30	10	UNDEFINED
30.25	99.25	28.49	0.17	0.60	286.55	silty sand to sandy silt	<40	<30	9	UNDEFINED
30.50	100.07	42.57	0.50	1.17	288.84	silty sand to sandy silt	<40	<30	14	UNDEFINED

Dr - All sands (Jamolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	32.68	0.30	0.92	291.14	silty sand to sandy silt	<40	<30	11	UNDEFINED
31.00	101.71	25.97	0.23	0.89	293.44	silty sand to sandy silt	<40	<30	9	UNDEFINED
31.25	102.53	22.30	0.13	0.60	295.73	silty sand to sandy silt	<40	<30	7	UNDEFINED
31.50	103.35	38.81	0.28	0.71	298.03	silty sand to sandy silt	<40	<30	13	UNDEFINED
31.75	104.17	21.80	0.22	1.00	300.33	sandy silt to clayey silt	UNDFND	UNDFD	9	126.3
32.00	104.99	25.55	0.24	0.95	302.62	silty sand to sandy silt	<40	<30	9	UNDEFINED
32.25	105.81	32.34	0.21	0.65	304.92	silty sand to sandy silt	<40	<30	11	UNDEFINED
32.50	106.63	21.57	0.23	1.07	307.22	sandy silt to clayey silt	UNDFND	UNDFD	9	123.3
32.75	107.45	66.62	0.56	0.84	309.51	sand to silty sand	<40	<30	17	UNDEFINED
33.00	108.27	104.13	0.51	0.49	311.81	sand	50-60	30-32	21	UNDEFINED
33.25	109.09	59.94	0.67	1.11	314.11	silty sand to sandy silt	<40	<30	20	UNDEFINED
33.50	109.91	45.76	0.51	1.11	316.40	silty sand to sandy silt	<40	<30	15	UNDEFINED
33.75	110.73	101.55	0.64	0.63	318.70	sand	50-60	30-32	20	UNDEFINED
34.00	111.55	48.42	0.37	0.76	321.00	sand to silty sand	<40	<30	12	UNDEFINED
34.25	112.37	33.66	0.45	1.33	323.29	silty sand to sandy silt	<40	<30	11	UNDEFINED
34.50	113.19	81.44	0.74	0.91	325.59	sand to silty sand	40-50	<30	20	UNDEFINED
34.75	114.01	40.96	0.48	1.18	327.89	silty sand to sandy silt	<40	<30	14	UNDEFINED
35.00	114.83	43.23	0.41	0.94	330.18	silty sand to sandy silt	<40	<30	14	UNDEFINED
35.25	115.65	50.03	0.46	0.93	332.48	silty sand to sandy silt	<40	<30	17	UNDEFINED
35.50	116.47	49.55	0.57	1.15	334.77	silty sand to sandy silt	<40	<30	17	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : S.END 88ST DELTA
 HOLE : 94-112 SCPT-7 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:11:94 15:27
 CONE : 10 TON AD-013
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	5.02	0.06	1.12	2.37	sensitive fine grained	UNDFND	UNDFD	3	39.9
0.50	1.64	26.12	0.40	1.55	7.12	sandy silt to clayey silt	UNDFND	UNDFD	10	208.3
0.75	2.46	62.35	1.34	2.15	11.87	silty sand to sandy silt	80-90	46-48	21	UNDEFINED
1.00	3.28	21.68	0.80	3.67	16.62	silty clay to clay	UNDFND	UNDFD	14	172.1
1.25	4.10	14.82	0.90	6.05	20.14	clay	UNDFND	UNDFD	15	116.8
1.50	4.92	15.66	1.05	6.69	22.44	clay	UNDFND	UNDFD	16	123.1
1.75	5.74	3.64	0.25	6.93	24.73	clay	UNDFND	UNDFD	4	26.6
2.00	6.56	3.04	0.17	5.46	27.03	clay	UNDFND	UNDFD	3	21.4
2.25	7.38	4.44	0.17	3.87	29.33	clay	UNDFND	UNDFD	4	32.3
2.50	8.20	3.75	0.09	2.45	31.62	clay	UNDFND	UNDFD	4	26.3
2.75	9.02	4.35	0.10	2.30	33.92	clay	UNDFND	UNDFD	4	30.7
3.00	9.84	3.69	0.05	1.46	36.22	sensitive fine grained	UNDFND	UNDFD	2	25.1
3.25	10.66	3.29	0.05	1.46	38.51	sensitive fine grained	UNDFND	UNDFD	2	21.5
3.50	11.48	3.51	0.05	1.37	40.81	sensitive fine grained	UNDFND	UNDFD	2	22.9
3.75	12.30	3.35	0.06	1.91	43.11	sensitive fine grained	UNDFND	UNDFD	2	21.3
4.00	13.12	3.10	0.04	1.16	45.40	sensitive fine grained	UNDFND	UNDFD	2	18.9
4.25	13.94	3.58	0.04	1.17	47.70	sensitive fine grained	UNDFND	UNDFD	2	22.3
4.50	14.76	5.24	0.09	1.76	50.00	silty clay to clay	UNDFND	UNDFD	3	35.2
4.75	15.58	8.14	0.12	1.50	52.29	clayey silt to silty clay	UNDFND	UNDFD	4	58.0
5.00	16.40	18.94	0.06	0.30	54.59	silty sand to sandy silt	<40	30-32	6	UNDEFINED
5.25	17.22	23.15	0.20	0.86	56.89	silty sand to sandy silt	<40	32-34	8	UNDEFINED
5.50	18.04	65.48	0.26	0.40	59.18	sand to silty sand	60-70	38-40	16	UNDEFINED
5.75	18.86	36.57	0.34	0.93	61.48	silty sand to sandy silt	40-50	34-36	12	UNDEFINED
6.00	19.69	94.17	0.27	0.29	63.78	sand	70-80	40-42	19	UNDEFINED
6.25	20.51	148.20	0.54	0.37	66.07	sand	80-90	42-44	30	UNDEFINED
6.50	21.33	179.10	0.43	0.24	68.37	sand	80-90	42-44	36	UNDEFINED
6.75	22.15	225.14	0.49	0.22	70.67	gravelly sand to sand	>90	44-46	38	UNDEFINED
7.00	22.97	218.38	0.32	0.15	72.96	gravelly sand to sand	>90	44-46	36	UNDEFINED
7.25	23.79	203.53	0.39	0.19	75.26	gravelly sand to sand	>90	42-44	34	UNDEFINED
7.50	24.61	198.41	0.35	0.18	77.56	gravelly sand to sand	>90	42-44	33	UNDEFINED
7.75	25.43	193.56	0.35	0.18	79.85	gravelly sand to sand	80-90	42-44	32	UNDEFINED
8.00	26.25	182.27	0.38	0.21	82.15	sand	80-90	42-44	36	UNDEFINED
8.25	27.07	171.89	0.35	0.20	84.45	sand	80-90	42-44	34	UNDEFINED
8.50	27.89	163.18	0.55	0.34	86.74	sand	80-90	40-42	33	UNDEFINED
8.75	28.71	132.33	0.54	0.41	89.04	sand	70-80	40-42	26	UNDEFINED
9.00	29.53	114.50	0.41	0.36	91.34	sand	70-80	38-40	23	UNDEFINED
9.25	30.35	119.98	0.43	0.36	93.63	sand	70-80	38-40	24	UNDEFINED
9.50	31.17	105.91	0.41	0.39	95.93	sand	60-70	38-40	21	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	77.43	0.28	0.36	98.23					
10.00	32.81	65.35	0.26	0.40	100.52	sand to silty sand	60-70	36-38	19	UNDEFINED
10.25	33.63	63.77	0.26	0.40	102.82	sand to silty sand	50-60	34-36	16	UNDEFINED
10.50	34.45	64.39	0.26	0.40	105.11	sand to silty sand	50-60	34-36	16	UNDEFINED
10.75	35.27	89.36	0.31	0.34	107.41	sand to silty sand	50-60	34-36	16	UNDEFINED
11.00	36.09	127.50	0.25	0.20	109.71	sand	60-70	36-38	18	UNDEFINED
11.25	36.91	119.45	0.22	0.19	112.00	sand	70-80	38-40	25	UNDEFINED
11.50	37.73	73.55	0.41	0.56	114.30	sand	70-80	38-40	24	UNDEFINED
11.75	38.55	53.53	0.36	0.67	116.60	sand to silty sand	50-60	34-36	18	UNDEFINED
12.00	39.37	75.02	0.29	0.39	118.89	sand to silty sand	40-50	32-34	13	UNDEFINED
12.25	40.19	62.01	0.24	0.38	121.19	sand to silty sand	50-60	34-36	19	UNDEFINED
12.50	41.01	64.57	0.24	0.37	123.49	sand to silty sand	50-60	32-34	16	UNDEFINED
12.75	41.83	71.23	0.36	0.51	125.78	sand to silty sand	50-60	34-36	16	UNDEFINED
13.00	42.65	78.87	0.37	0.47	128.08	sand to silty sand	50-60	34-36	18	UNDEFINED
13.25	43.47	84.10	0.31	0.36	130.38	sand to silty sand	50-60	34-36	20	UNDEFINED
13.50	44.29	81.97	0.31	0.37	132.67	sand	50-60	34-36	17	UNDEFINED
13.75	45.11	83.40	0.28	0.33	134.97	sand to silty sand	50-60	34-36	20	UNDEFINED
14.00	45.93	74.66	0.24	0.32	137.27	sand	50-60	34-36	17	UNDEFINED
14.25	46.75	69.61	0.25	0.35	139.56	sand to silty sand	50-60	34-36	19	UNDEFINED
14.50	47.57	65.26	0.25	0.38	141.86	sand to silty sand	50-60	32-34	17	UNDEFINED
14.75	48.39	61.34	0.30	0.49	144.16	sand to silty sand	50-60	32-34	16	UNDEFINED
15.00	49.21	57.48	0.22	0.38	146.45	sand to silty sand	40-50	32-34	15	UNDEFINED
15.25	50.03	54.91	0.50	0.92	148.75	sand to silty sand	40-50	32-34	14	UNDEFINED
15.50	50.85	77.21	0.58	0.75	151.05	sand to silty sand	40-50	30-32	14	UNDEFINED
15.75	51.67	115.20	0.46	0.40	153.34	sand to silty sand	50-60	32-34	19	UNDEFINED
16.00	52.49	129.16	0.41	0.31	155.64	sand	60-70	36-38	23	UNDEFINED
16.25	53.31	110.15	0.22	0.20	157.94	sand	60-70	36-38	26	UNDEFINED
16.50	54.13	101.03	0.27	0.27	160.23	sand	60-70	34-36	22	UNDEFINED
16.75	54.95	107.68	0.26	0.25	162.53	sand	60-70	34-36	20	UNDEFINED
17.00	55.77	89.33	0.23	0.26	164.83	sand	60-70	34-36	22	UNDEFINED
17.25	56.59	94.64	0.25	0.27	167.12	sand	50-60	34-36	18	UNDEFINED
17.50	57.41	125.61	0.33	0.26	169.42	sand	50-60	34-36	19	UNDEFINED
17.75	58.23	171.20	0.41	0.24	171.72	sand	60-70	36-38	25	UNDEFINED
18.00	59.06	149.27	0.44	0.29	174.01	sand	70-80	38-40	34	UNDEFINED
18.25	59.88	125.10	0.40	0.32	176.31	sand	70-80	36-38	30	UNDEFINED
18.50	60.70	115.75	0.41	0.35	178.61	sand	60-70	36-38	25	UNDEFINED
18.75	61.52	133.49	0.56	0.42	180.90	sand	60-70	34-36	23	UNDEFINED
19.00	62.34	152.17	0.47	0.31	183.20	sand	60-70	36-38	27	UNDEFINED
19.25	63.16	168.19	0.49	0.29	185.50	sand	70-80	36-38	30	UNDEFINED
19.50	63.98	158.70	0.50	0.32	187.79	sand	70-80	36-38	34	UNDEFINED
19.75	64.80	152.82	0.50	0.33	190.09	sand	70-80	36-38	32	UNDEFINED
20.00	65.62	159.84	0.45	0.28	192.39	sand	70-80	36-38	31	UNDEFINED
						sand	70-80	36-38	32	UNDEFINED

Dr - All sands (Jamiolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	209.11	0.42	0.20	194.68	gravelly sand to sand	70-80	38-40	35	UNDEFINED
20.50	67.26	218.52	0.46	0.21	196.98	gravelly sand to sand	70-80	38-40	36	UNDEFINED
20.75	68.08	228.07	0.38	0.17	199.28	gravelly sand to sand	80-90	38-40	38	UNDEFINED
21.00	68.90	207.07	0.43	0.21	201.57	gravelly sand to sand	70-80	38-40	35	UNDEFINED
21.25	69.72	241.93	0.63	0.26	203.87	gravelly sand to sand	80-90	38-40	40	UNDEFINED
21.50	70.54	135.86	1.05	0.77	206.17	sand	60-70	34-36	27	UNDEFINED
21.75	71.36	27.68	0.30	1.08	208.46	silty sand to sandy silt	<40	<30	9	UNDEFINED
22.00	72.18	23.10	0.12	0.54	210.76	silty sand to sandy silt	<40	<30	8	UNDEFINED
22.25	73.00	21.92	0.10	0.46	213.06	silty sand to sandy silt	<40	<30	7	UNDEFINED
22.50	73.82	30.93	0.21	0.68	215.35	silty sand to sandy silt	<40	<30	10	UNDEFINED
22.75	74.64	20.81	0.23	1.09	217.65	sandy silt to clayey silt	UNDFND	UNDFD	8	132.0
23.00	75.46	15.17	0.07	0.47	219.94	sandy silt to clayey silt	UNDFND	UNDFD	6	86.5
23.25	76.28	14.44	0.06	0.40	222.24	sandy silt to clayey silt	UNDFND	UNDFD	6	80.4
23.50	77.10	23.56	0.13	0.53	224.54	silty sand to sandy silt	<40	<30	8	UNDEFINED
23.75	77.92	25.73	0.22	0.87	226.83	silty sand to sandy silt	<40	<30	9	UNDEFINED
24.00	78.74	61.59	0.52	0.85	229.13	sand to silty sand	40-50	<30	15	UNDEFINED
24.25	79.56	55.46	0.72	1.30	231.43	silty sand to sandy silt	<40	<30	18	UNDEFINED
24.50	80.38	103.06	1.70	1.65	233.72	silty sand to sandy silt	50-60	32-34	34	UNDEFINED
24.75	81.20	66.39	1.31	1.98	236.02	silty sand to sandy silt	40-50	<30	22	UNDEFINED
25.00	82.02	45.23	0.64	1.42	238.32	silty sand to sandy silt	<40	<30	15	UNDEFINED
25.25	82.84	18.77	0.10	0.51	240.61	silty sand to sandy silt	<40	<30	6	UNDEFINED
25.50	83.66	28.80	0.25	0.88	242.91	silty sand to sandy silt	<40	<30	10	UNDEFINED
25.75	84.48	18.15	0.16	0.90	245.21	sandy silt to clayey silt	UNDFND	UNDFD	7	106.2
26.00	85.30	114.27	0.60	0.53	247.50	sand	50-60	32-34	23	UNDEFINED
26.25	86.12	146.61	0.76	0.52	249.80	sand	60-70	34-36	29	UNDEFINED
26.50	86.94	48.00	0.75	1.55	252.10	silty sand to sandy silt	<40	<30	16	UNDEFINED
26.75	87.76	28.52	0.37	1.29	254.39	silty sand to sandy silt	<40	<30	10	UNDEFINED
27.00	88.58	25.52	0.29	1.14	256.69	silty sand to sandy silt	<40	<30	9	UNDEFINED
27.25	89.40	16.35	0.11	0.69	258.99	sandy silt to clayey silt	UNDFND	UNDFD	7	89.5
27.50	90.22	86.36	0.50	0.58	261.28	sand to silty sand	40-50	30-32	22	UNDEFINED
27.75	91.04	87.46	0.68	0.78	263.58	sand to silty sand	40-50	30-32	22	UNDEFINED
28.00	91.86	27.92	0.41	1.48	265.88	sandy silt to clayey silt	UNDFND	UNDFD	11	181.0
28.25	92.68	28.98	0.37	1.27	268.17	silty sand to sandy silt	<40	<30	10	UNDEFINED
28.50	93.50	18.58	0.17	0.94	270.47	sandy silt to clayey silt	UNDFND	UNDFD	7	105.5
28.75	94.32	38.55	0.50	1.30	272.77	silty sand to sandy silt	<40	<30	13	UNDEFINED
29.00	95.14	19.07	0.17	0.91	275.06	sandy silt to clayey silt	UNDFND	UNDFD	8	108.6
29.25	95.96	16.87	0.10	0.60	277.36	sandy silt to clayey silt	UNDFND	UNDFD	7	90.6
29.50	96.78	20.58	0.17	0.81	279.66	silty sand to sandy silt	<40	<30	7	UNDEFINED
29.75	97.60	18.60	0.16	0.86	281.95	sandy silt to clayey silt	UNDFND	UNDFD	7	103.7
30.00	98.43	27.95	0.29	1.04	284.25	silty sand to sandy silt	<40	<30	9	UNDEFINED
30.25	99.25	26.71	0.26	0.96	286.55	silty sand to sandy silt	<40	<30	9	UNDEFINED
30.50	100.07	20.57	0.18	0.88	288.84	sandy silt to clayey silt	UNDFND	UNDFD	8	118.4

Dr - All sands (Janiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	18.44	0.15	0.84	291.14	sandy silt to clayey silt	UNDFND	UNDFD	7	100.9
31.00	101.71	21.50	0.13	0.60	293.44	silty sand to sandy silt	<40	<30	7	UNDEFINED
31.25	102.53	15.46	0.03	0.19	295.73	sandy silt to clayey silt	UNDFND	UNDFD	6	76.4
31.50	103.35	61.78	0.58	0.94	298.03	sand to silty sand	<40	<30	15	UNDEFINED
31.75	104.17	20.19	0.28	1.41	300.33	sandy silt to clayey silt	UNDFND	UNDFD	8	113.4
32.00	104.99	35.71	0.52	1.44	302.62	silty sand to sandy silt	<40	<30	12	UNDEFINED
32.25	105.81	27.60	0.16	0.59	304.92	silty sand to sandy silt	<40	<30	9	UNDEFINED
32.50	106.63	17.29	0.10	0.57	307.22	sandy silt to clayey silt	UNDFND	UNDFD	7	89.0
32.75	107.45	51.52	0.46	0.89	309.51	silty sand to sandy silt	<40	<30	17	UNDEFINED
33.00	108.27	21.29	0.21	0.98	311.81	sandy silt to clayey silt	UNDFND	UNDFD	9	120.3
33.25	109.09	19.53	0.13	0.69	314.11	silty sand to sandy silt	<40	<30	7	UNDEFINED
33.50	109.91	16.07	0.13	0.80	316.40	sandy silt to clayey silt	UNDFND	UNDFD	6	77.8
33.75	110.73	39.20	0.35	0.89	318.70	silty sand to sandy silt	<40	<30	13	UNDEFINED
34.00	111.55	19.26	0.19	0.97	321.00	sandy silt to clayey silt	UNDFND	UNDFD	8	102.5
34.25	112.37	23.56	0.18	0.76	323.29	silty sand to sandy silt	<40	<30	8	UNDEFINED
34.50	113.19	17.38	0.09	0.52	325.59	sandy silt to clayey silt	UNDFND	UNDFD	7	86.8
34.75	114.01	35.39	0.38	1.08	327.89	silty sand to sandy silt	<40	<30	12	UNDEFINED
35.00	114.83	28.72	0.32	1.12	330.18	silty sand to sandy silt	<40	<30	10	UNDEFINED
35.25	115.65	21.55	0.13	0.59	332.48	silty sand to sandy silt	<40	<30	7	UNDEFINED
35.50	116.47	16.42	0.09	0.55	334.77	sandy silt to clayey silt	UNDFND	UNDFD	7	77.6
35.75	117.29	30.71	0.17	0.56	337.07	silty sand to sandy silt	<40	<30	10	UNDEFINED

Dr - All sands (Janiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

G.S.C.

CONTRACTOR : CONETEC
 LOCATION : END OF 96ST., DY
 HOLE : 94-112 CPT-8 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:15:94 09:22
 CONE : 10 TON AD 013
 Water table (meters) : 3

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	3.73	0.04	1.13	2.37	sensitive fine grained	UNDFND	UNDFD	2	29.6
0.50	1.64	11.64	0.11	0.93	7.12	sandy silt to clayey silt	UNDFND	UNDFD	5	92.5
0.75	2.46	38.56	0.18	0.47	11.87	sand to silty sand	70-80	44-46	10	UNDEFINED
1.00	3.28	14.69	0.05	0.35	16.62	sandy silt to clayey silt	UNDFND	UNDFD	6	116.1
1.25	4.10	25.21	0.08	0.30	21.37	silty sand to sandy silt	40-50	38-40	8	UNDEFINED
1.50	4.92	23.39	0.06	0.25	26.11	silty sand to sandy silt	40-50	36-38	8	UNDEFINED
1.75	5.74	7.66	0.09	1.23	30.86	clayey silt to silty clay	UNDFND	UNDFD	4	58.7
2.00	6.56	4.81	0.05	1.12	35.61	sensitive fine grained	UNDFND	UNDFD	2	35.6
2.25	7.38	5.63	0.09	1.67	40.36	silty clay to clay	UNDFND	UNDFD	4	41.8
2.50	8.20	7.71	0.12	1.50	45.11	clayey silt to silty clay	UNDFND	UNDFD	4	58.1
2.75	9.02	13.33	0.12	0.90	49.86	sandy silt to clayey silt	UNDFND	UNDFD	5	102.6
3.00	9.84	13.40	0.18	1.33	54.60	sandy silt to clayey silt	UNDFND	UNDFD	5	102.8
3.25	10.66	7.72	0.10	1.24	58.13	clayey silt to silty clay	UNDFND	UNDFD	4	57.0
3.50	11.48	7.91	0.09	1.19	60.42	clayey silt to silty clay	UNDFND	UNDFD	4	58.1
3.75	12.30	9.74	0.13	1.38	62.72	clayey silt to silty clay	UNDFND	UNDFD	5	72.3
4.00	13.12	11.59	0.11	0.98	65.02	sandy silt to clayey silt	UNDFND	UNDFD	5	86.8
4.25	13.94	11.21	0.14	1.25	67.31	sandy silt to clayey silt	UNDFND	UNDFD	4	83.4
4.50	14.76	13.52	0.16	1.20	69.61	sandy silt to clayey silt	UNDFND	UNDFD	5	101.5
4.75	15.58	23.92	0.24	1.02	71.91	silty sand to sandy silt	<40	30-32	8	UNDEFINED
5.00	16.40	37.18	0.27	0.72	74.20	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
5.25	17.22	26.56	0.12	0.47	76.50	silty sand to sandy silt	<40	30-32	9	UNDEFINED
5.50	18.04	43.98	0.16	0.35	78.80	sand to silty sand	40-50	34-36	11	UNDEFINED
5.75	18.86	53.04	0.26	0.50	81.09	sand to silty sand	50-60	34-36	13	UNDEFINED
6.00	19.69	47.27	0.19	0.40	83.39	sand to silty sand	40-50	34-36	12	UNDEFINED
6.25	20.51	85.61	0.29	0.34	85.69	sand	60-70	38-40	17	UNDEFINED
6.50	21.33	66.62	0.39	0.58	87.98	sand to silty sand	50-60	36-38	17	UNDEFINED
6.75	22.15	87.51	0.29	0.33	90.28	sand	60-70	38-40	18	UNDEFINED
7.00	22.97	132.16	0.33	0.25	92.57	sand	70-80	40-42	26	UNDEFINED
7.25	23.79	113.45	0.30	0.26	94.87	sand	70-80	38-40	23	UNDEFINED
7.50	24.61	126.38	0.31	0.25	97.17	sand	70-80	38-40	25	UNDEFINED
7.75	25.43	139.23	0.31	0.23	99.46	sand	70-80	40-42	28	UNDEFINED
8.00	26.25	128.55	0.27	0.21	101.76	sand	70-80	38-40	26	UNDEFINED
8.25	27.07	137.95	0.29	0.21	104.06	sand	70-80	38-40	28	UNDEFINED
8.50	27.89	157.74	0.32	0.20	106.35	sand	70-80	40-42	32	UNDEFINED
8.75	28.71	95.86	0.41	0.43	108.65	sand	60-70	36-38	19	UNDEFINED
9.00	29.53	114.10	0.27	0.23	110.95	sand	60-70	38-40	23	UNDEFINED
9.25	30.35	129.41	0.28	0.22	113.24	sand	70-80	38-40	26	UNDEFINED
9.50	31.17	76.89	0.37	0.48	115.54	sand to silty sand	50-60	34-36	19	UNDEFINED

Dr - All sands (Jamolkovski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	64.08	0.25	0.39	117.84	sand to silty sand	50-60	34-36	16	UNDEFINED
10.00	32.81	46.56	0.41	0.88	120.13	silty sand to sandy silt	40-50	32-34	16	UNDEFINED
10.25	33.63	106.83	0.31	0.29	122.43	sand	60-70	36-38	21	UNDEFINED
10.50	34.45	145.35	0.36	0.25	124.73	sand	70-80	38-40	29	UNDEFINED
10.75	35.27	102.03	0.34	0.33	127.02	sand	60-70	36-38	20	UNDEFINED
11.00	36.09	88.95	0.54	0.60	129.32	sand to silty sand	60-70	34-36	22	UNDEFINED
11.25	36.91	150.87	0.33	0.22	131.62	sand	70-80	38-40	30	UNDEFINED
11.50	37.73	136.60	0.38	0.28	133.91	sand	70-80	38-40	27	UNDEFINED
11.75	38.55	147.22	0.38	0.26	136.21	sand	70-80	38-40	29	UNDEFINED
12.00	39.37	149.68	0.32	0.21	138.51	sand	70-80	38-40	30	UNDEFINED
12.25	40.19	124.20	0.31	0.25	140.80	sand	60-70	36-38	25	UNDEFINED
12.50	41.01	107.63	0.28	0.26	143.10	sand	60-70	36-38	22	UNDEFINED
12.75	41.83	89.19	0.23	0.26	145.40	sand	50-60	34-36	18	UNDEFINED
13.00	42.65	80.10	0.34	0.42	147.69	sand to silty sand	50-60	34-36	20	UNDEFINED
13.25	43.47	91.96	0.30	0.33	149.99	sand	50-60	34-36	18	UNDEFINED
13.50	44.29	78.11	0.28	0.36	152.29	sand to silty sand	50-60	32-34	20	UNDEFINED
13.75	45.11	99.01	0.55	0.55	154.58	sand	60-70	34-36	20	UNDEFINED
14.00	45.93	153.83	0.38	0.25	156.88	sand	70-80	38-40	31	UNDEFINED
14.25	46.75	154.11	0.37	0.24	159.18	sand	70-80	38-40	31	UNDEFINED
14.50	47.57	117.53	0.30	0.26	161.47	sand	60-70	36-38	24	UNDEFINED
14.75	48.39	75.67	0.40	0.53	163.77	sand to silty sand	50-60	32-34	19	UNDEFINED
15.00	49.21	145.47	0.41	0.28	166.07	sand	70-80	36-38	29	UNDEFINED
15.25	50.03	206.54	0.40	0.19	168.36	gravelly sand to sand	80-90	38-40	34	UNDEFINED
15.50	50.85	195.50	0.34	0.18	170.66	gravelly sand to sand	70-80	38-40	33	UNDEFINED
15.75	51.67	163.08	0.34	0.21	172.96	sand	70-80	36-38	33	UNDEFINED
16.00	52.49	187.80	0.37	0.20	175.25	sand	70-80	38-40	38	UNDEFINED
16.25	53.31	195.34	0.34	0.17	177.55	gravelly sand to sand	70-80	38-40	33	UNDEFINED
16.50	54.13	145.86	0.38	0.26	179.85	sand	60-70	36-38	29	UNDEFINED
16.75	54.95	138.10	0.32	0.23	182.14	sand	60-70	36-38	28	UNDEFINED
17.00	55.77	151.73	0.39	0.26	184.44	sand	70-80	36-38	30	UNDEFINED
17.25	56.59	196.86	0.56	0.28	186.74	sand	70-80	38-40	39	UNDEFINED
17.50	57.41	160.14	0.47	0.29	189.03	sand	70-80	36-38	32	UNDEFINED
17.75	58.23	120.12	0.51	0.42	191.33	sand	60-70	34-36	24	UNDEFINED
18.00	59.06	146.15	0.50	0.34	193.63	sand	60-70	36-38	29	UNDEFINED
18.25	59.88	126.02	0.46	0.37	195.92	sand	60-70	34-36	25	UNDEFINED
18.50	60.70	192.63	0.72	0.37	198.22	sand	70-80	38-40	39	UNDEFINED
18.75	61.52	237.77	1.01	0.43	200.52	gravelly sand to sand	80-90	38-40	40	UNDEFINED
19.00	62.34	314.91	0.97	0.31	202.81	gravelly sand to sand	>90	40-42	>50	UNDEFINED
19.25	63.16	379.24	1.29	0.34	205.11	gravelly sand to sand	>90	40-42	>50	UNDEFINED
19.50	63.98	376.50	1.41	0.38	207.40	gravelly sand to sand	>90	40-42	>50	UNDEFINED
19.75	64.80	321.54	1.20	0.37	209.70	gravelly sand to sand	>90	40-42	>50	UNDEFINED
20.00	65.62	183.87	0.46	0.25	212.00	sand	70-80	36-38	37	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	119.83	0.82	0.68	214.29	sand	60-70	34-36	24	UNDEFINED
20.50	67.26	40.12	0.33	0.82	216.59	silty sand to sandy silt	<40	<30	13	UNDEFINED
20.75	68.08	126.85	0.48	0.38	218.89	sand	60-70	34-36	25	UNDEFINED
21.00	68.90	94.58	0.69	0.73	221.18	sand to silty sand	50-60	32-34	24	UNDEFINED
21.25	69.72	150.43	0.81	0.54	223.48	sand	60-70	34-36	30	UNDEFINED
21.50	70.54	152.13	0.78	0.51	225.78	sand	60-70	34-36	30	UNDEFINED
21.75	71.36	23.94	0.25	1.04	228.07	silty sand to sandy silt	<40	<30	8	UNDEFINED
22.00	72.18	23.89	0.18	0.77	230.37	silty sand to sandy silt	<40	<30	8	UNDEFINED
22.25	73.00	20.85	0.12	0.57	232.67	silty sand to sandy silt	<40	<30	7	UNDEFINED
22.50	73.82	18.32	0.06	0.33	234.96	silty sand to sandy silt	<40	<30	6	UNDEFINED
22.75	74.64	20.30	0.09	0.44	237.26	silty sand to sandy silt	<40	<30	7	UNDEFINED
23.00	75.46	46.58	0.26	0.55	239.56	sand to silty sand	<40	<30	12	UNDEFINED
23.25	76.28	140.46	0.67	0.47	241.85	sand	60-70	34-36	28	UNDEFINED
23.50	77.10	212.28	1.13	0.53	244.15	sand	70-80	36-38	42	UNDEFINED
23.75	77.92	296.79	1.44	0.48	246.45	gravelly sand to sand	80-90	38-40	49	UNDEFINED
24.00	78.74	302.38	1.66	0.55	248.74	gravelly sand to sand	80-90	38-40	50	UNDEFINED
24.25	79.56	174.53	1.18	0.68	251.04	sand	70-80	34-36	35	UNDEFINED
24.50	80.38	62.13	0.57	0.91	253.34	sand to silty sand	40-50	<30	16	UNDEFINED
24.75	81.20	36.62	0.33	0.90	255.63	silty sand to sandy silt	<40	<30	12	UNDEFINED
25.00	82.02	114.89	0.56	0.48	257.93	sand	50-60	32-34	23	UNDEFINED
25.25	82.84	85.07	0.50	0.59	260.23	sand to silty sand	40-50	30-32	21	UNDEFINED
25.50	83.66	32.58	0.45	1.38	262.52	silty sand to sandy silt	<40	<30	11	UNDEFINED
25.75	84.48	55.24	0.41	0.75	264.82	sand to silty sand	<40	<30	14	UNDEFINED
26.00	85.30	95.44	0.54	0.56	267.12	sand	50-60	30-32	19	UNDEFINED
26.25	86.12	82.12	0.63	0.77	269.41	sand to silty sand	40-50	30-32	21	UNDEFINED
26.50	86.94	108.87	0.56	0.51	271.71	sand	50-60	32-34	22	UNDEFINED
26.75	87.76	103.86	0.55	0.53	274.01	sand	50-60	30-32	21	UNDEFINED
27.00	88.58	51.72	0.34	0.66	276.30	sand to silty sand	<40	<30	13	UNDEFINED
27.25	89.40	23.25	0.14	0.59	278.60	silty sand to sandy silt	<40	<30	8	UNDEFINED
27.50	90.22	49.74	0.40	0.81	280.90	sand to silty sand	<40	<30	12	UNDEFINED
27.75	91.04	73.55	0.49	0.67	283.19	sand to silty sand	40-50	<30	18	UNDEFINED
28.00	91.86	60.96	0.56	0.92	285.49	sand to silty sand	<40	<30	15	UNDEFINED
28.25	92.68	37.62	0.37	0.99	287.79	silty sand to sandy silt	<40	<30	13	UNDEFINED
28.50	93.50	39.85	0.40	1.00	290.08	silty sand to sandy silt	<40	<30	13	UNDEFINED
28.75	94.32	22.53	0.15	0.67	292.38	silty sand to sandy silt	<40	<30	8	UNDEFINED
29.00	95.14	31.35	0.31	1.00	294.68	silty sand to sandy silt	<40	<30	10	UNDEFINED
29.25	95.96	32.14	0.24	0.75	296.97	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.50	96.78	31.05	0.25	0.81	299.27	silty sand to sandy silt	<40	<30	10	UNDEFINED
29.75	97.60	22.52	0.19	0.84	301.57	silty sand to sandy silt	<40	<30	8	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

G. S. C.

CONTRACTOR : CONETEC
 LOCATION : END OF 104ST.
 HOLE : 94-112 CPT-9 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:15:94 11:36
 CONE : 10 TON AD 013
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV ^r (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	4.95	0.02	0.44	2.37	sensitive fine grained	UNDFND	UNDFND	2	39.4
0.50	1.64	14.26	0.07	0.48	7.12	sandy silt to clayey silt	UNDFND	UNDFND	6	113.4
0.75	2.46	31.83	0.27	0.84	11.87	silty sand to sandy silt	60-70	42-44	11	UNDEFINED
1.00	3.28	70.56	0.86	1.22	16.62	sand to silty sand	80-90	44-46	18	UNDEFINED
1.25	4.10	84.05	1.82	2.17	21.37	silty sand to sandy silt	80-90	44-46	28	UNDEFINED
1.50	4.92	43.48	0.65	1.50	26.11	silty sand to sandy silt	60-70	40-42	14	UNDEFINED
1.75	5.74	22.48	0.28	1.26	30.86	sandy silt to clayey silt	UNDFND	UNDFND	9	177.3
2.00	6.56	14.16	0.27	1.88	35.61	clayey silt to silty clay	UNDFND	UNDFND	7	110.3
2.25	7.38	5.51	0.16	2.83	39.13	clay	UNDFND	UNDFND	6	40.8
2.50	8.20	2.95	0.07	2.24	41.43	clay	UNDFND	UNDFND	3	19.9
2.75	9.02	8.52	0.31	3.66	43.73	clay	UNDFND	UNDFND	9	64.1
3.00	9.84	12.09	0.50	4.12	46.02	clay	UNDFND	UNDFND	12	92.3
3.25	10.66	16.16	0.24	1.50	48.32	sandy silt to clayey silt	UNDFND	UNDFND	6	124.5
3.50	11.48	26.84	0.08	0.31	50.62	silty sand to sandy silt	<40	34-36	9	UNDEFINED
3.75	12.30	39.92	0.13	0.32	52.91	sand to silty sand	50-60	36-38	10	UNDEFINED
4.00	13.12	22.10	0.14	0.62	55.21	silty sand to sandy silt	<40	32-34	7	UNDEFINED
4.25	13.94	57.20	0.15	0.26	57.51	sand to silty sand	50-60	38-40	14	UNDEFINED
4.50	14.76	79.39	0.32	0.41	59.80	sand to silty sand	60-70	38-40	20	UNDEFINED
4.75	15.58	84.86	0.34	0.40	62.10	sand	60-70	40-42	17	UNDEFINED
5.00	16.40	163.30	0.45	0.28	64.40	sand	80-90	42-44	33	UNDEFINED
5.25	17.22	180.59	0.49	0.27	66.69	sand	>90	42-44	36	UNDEFINED
5.50	18.04	136.90	0.53	0.39	68.99	sand	80-90	42-44	27	UNDEFINED
5.75	18.86	136.92	0.48	0.35	71.29	sand	80-90	40-42	27	UNDEFINED
6.00	19.69	140.91	0.41	0.29	73.58	sand	80-90	40-42	28	UNDEFINED
6.25	20.51	136.50	0.40	0.29	75.88	sand	80-90	40-42	27	UNDEFINED
6.50	21.33	138.72	0.36	0.26	78.18	sand	80-90	40-42	28	UNDEFINED
6.75	22.15	147.70	0.41	0.28	80.47	sand	80-90	40-42	30	UNDEFINED
7.00	22.97	141.40	0.42	0.29	82.77	sand	70-80	40-42	28	UNDEFINED
7.25	23.79	145.78	0.36	0.25	85.07	sand	80-90	40-42	29	UNDEFINED
7.50	24.61	183.66	0.45	0.24	87.36	sand	80-90	42-44	37	UNDEFINED
7.75	25.43	198.53	0.54	0.27	89.66	sand	80-90	42-44	40	UNDEFINED
8.00	26.25	158.13	0.34	0.22	91.96	sand	80-90	40-42	32	UNDEFINED
8.25	27.07	116.29	0.51	0.44	94.25	sand	70-80	38-40	23	UNDEFINED
8.50	27.89	98.07	0.37	0.38	96.55	sand	60-70	38-40	20	UNDEFINED
8.75	28.71	108.95	0.35	0.32	98.84	sand	60-70	38-40	22	UNDEFINED
9.00	29.53	105.03	0.32	0.30	101.14	sand	60-70	38-40	21	UNDEFINED
9.25	30.35	122.47	0.35	0.29	103.44	sand	70-80	38-40	24	UNDEFINED
9.50	31.17	103.49	0.37	0.36	105.73	sand	60-70	38-40	21	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Mt= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	114.86	0.82	0.71	108.03	sand	70-80	38-40	23	UNDEFINED
10.00	32.81	156.28	0.55	0.35	110.33	sand	70-80	40-42	31	UNDEFINED
10.25	33.63	137.46	0.34	0.24	112.62	sand	70-80	38-40	27	UNDEFINED
10.50	34.45	145.42	0.41	0.28	114.92	sand	70-80	38-40	29	UNDEFINED
10.75	35.27	119.33	0.35	0.29	117.22	sand	70-80	38-40	24	UNDEFINED
11.00	36.09	95.03	0.28	0.29	119.51	sand	60-70	36-38	19	UNDEFINED
11.25	36.91	106.05	0.35	0.33	121.81	sand	60-70	36-38	21	UNDEFINED
11.50	37.73	125.82	0.44	0.35	124.11	sand	70-80	38-40	25	UNDEFINED
11.75	38.55	107.86	0.42	0.39	126.40	sand	60-70	36-38	22	UNDEFINED
12.00	39.37	107.35	0.40	0.37	128.70	sand	60-70	36-38	21	UNDEFINED
12.25	40.19	119.56	0.40	0.34	131.00	sand	60-70	36-38	24	UNDEFINED
12.50	41.01	122.91	0.36	0.30	133.29	sand	60-70	36-38	25	UNDEFINED
12.75	41.83	143.36	0.47	0.33	135.59	sand	70-80	38-40	29	UNDEFINED
13.00	42.65	140.40	0.49	0.35	137.89	sand	70-80	38-40	28	UNDEFINED
13.25	43.47	123.88	0.43	0.35	140.18	sand	60-70	36-38	25	UNDEFINED
13.50	44.29	127.28	0.42	0.33	142.48	sand	60-70	36-38	25	UNDEFINED
13.75	45.11	116.74	0.44	0.37	144.78	sand	60-70	36-38	23	UNDEFINED
14.00	45.93	96.24	0.36	0.38	147.07	sand	60-70	34-36	19	UNDEFINED
14.25	46.75	110.14	0.42	0.38	149.37	sand	60-70	36-38	22	UNDEFINED
14.50	47.57	154.79	0.47	0.31	151.67	sand	70-80	38-40	31	UNDEFINED
14.75	48.39	164.87	0.54	0.33	153.96	sand	70-80	38-40	33	UNDEFINED
15.00	49.21	111.78	0.38	0.34	156.26	sand	60-70	36-38	22	UNDEFINED
15.25	50.03	81.18	0.27	0.34	158.56	sand	50-60	32-34	16	UNDEFINED
15.50	50.85	74.46	0.26	0.34	160.85	sand to silty sand	50-60	32-34	19	UNDEFINED
15.75	51.67	60.17	0.23	0.39	163.15	sand to silty sand	40-50	30-32	15	UNDEFINED
16.00	52.49	36.73	0.19	0.52	165.45	silty sand to sandy silt	<40	<30	12	UNDEFINED
16.25	53.31	25.49	0.14	0.55	167.74	silty sand to sandy silt	<40	<30	8	UNDEFINED
16.50	54.13	28.84	0.40	1.40	170.04	sandy silt to clayey silt	UNDFND	UNDFD	12	205.8
16.75	54.95	137.58	0.50	0.36	172.34	sand	60-70	36-38	28	UNDEFINED
17.00	55.77	204.42	0.65	0.32	174.63	sand	70-80	38-40	41	UNDEFINED
17.25	56.59	202.22	0.50	0.25	176.93	gravelly sand to sand	70-80	38-40	34	UNDEFINED
17.50	57.41	196.49	1.13	0.57	179.23	sand	70-80	38-40	39	UNDEFINED
17.75	58.23	232.43	0.54	0.23	181.52	gravelly sand to sand	80-90	38-40	39	UNDEFINED
18.00	59.06	81.15	0.96	1.18	183.82	sand to silty sand	50-60	32-34	20	UNDEFINED
18.25	59.88	103.40	0.67	0.65	186.12	sand	50-60	34-36	21	UNDEFINED
18.50	60.70	130.96	1.15	0.88	188.41	sand	60-70	34-36	26	UNDEFINED
18.75	61.52	98.13	0.67	0.69	190.71	sand to silty sand	50-60	32-34	25	UNDEFINED
19.00	62.34	60.02	0.54	0.90	193.01	sand to silty sand	40-50	30-32	15	UNDEFINED
19.25	63.16	71.45	0.91	1.28	195.30	silty sand to sandy silt	40-50	30-32	24	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTRI (v 3.02) ****

G. S. C.

CONTRACTOR : CONETEC
 LOCATION : END OF 112ST.@D
 HOLE : 94-112 CPT-10 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:15:94 13:11
 CONE : 10 TON AD 013
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	5.52	0.04	0.69	2.37	sensitive fine grained	UNDFND	UNDFD	3	43.9
0.50	1.64	14.73	0.08	0.56	7.12	sandy silt to clayey silt	UNDFND	UNDFD	6	117.2
0.75	2.46	6.68	0.03	0.39	11.87	sensitive fine grained	UNDFND	UNDFD	3	52.4
1.00	3.28	12.00	0.04	0.32	16.62	sandy silt to clayey silt	UNDFND	UNDFD	5	94.6
1.25	4.10	3.87	0.02	0.57	21.37	sensitive fine grained	UNDFND	UNDFD	2	29.2
1.50	4.92	2.96	0.02	0.68	26.11	sensitive fine grained	UNDFND	UNDFD	1	21.6
1.75	5.74	5.62	0.05	0.92	30.86	sensitive fine grained	UNDFND	UNDFD	3	42.5
2.00	6.56	12.09	0.13	1.04	35.61	sandy silt to clayey silt	UNDFND	UNDFD	5	93.8
2.25	7.38	12.12	0.22	1.82	39.13	clayey silt to silty clay	UNDFND	UNDFD	6	93.7
2.50	8.20	36.99	0.46	1.25	41.43	silty sand to sandy silt	50-60	36-38	12	UNDEFINED
2.75	9.02	46.10	0.52	1.13	43.73	silty sand to sandy silt	50-60	38-40	15	UNDEFINED
3.00	9.84	26.95	0.37	1.36	46.02	sandy silt to clayey silt	UNDFND	UNDFD	11	211.2
3.25	10.66	5.34	0.14	2.58	48.32	clay	UNDFND	UNDFD	5	37.9
3.50	11.48	5.05	0.11	2.14	50.62	silty clay to clay	UNDFND	UNDFD	3	35.2
3.75	12.30	4.78	0.11	2.34	52.91	clay	UNDFND	UNDFD	5	32.7
4.00	13.12	5.07	0.11	2.09	55.21	silty clay to clay	UNDFND	UNDFD	3	34.6
4.25	13.94	5.71	0.09	1.61	57.51	silty clay to clay	UNDFND	UNDFD	4	39.3
4.50	14.76	6.62	0.11	1.63	59.80	clayey silt to silty clay	UNDFND	UNDFD	3	46.2
4.75	15.58	7.13	0.10	1.46	62.10	clayey silt to silty clay	UNDFND	UNDFD	4	49.9
5.00	16.40	7.19	0.13	1.75	64.40	clayey silt to silty clay	UNDFND	UNDFD	4	50.1
5.25	17.22	7.85	0.12	1.50	66.69	clayey silt to silty clay	UNDFND	UNDFD	4	55.0
5.50	18.04	9.69	0.13	1.38	68.99	clayey silt to silty clay	UNDFND	UNDFD	5	69.3
5.75	18.86	11.82	0.14	1.20	71.29	sandy silt to clayey silt	UNDFND	UNDFD	5	85.9
6.00	19.69	14.86	0.14	0.97	73.58	sandy silt to clayey silt	UNDFND	UNDFD	6	109.9
6.25	20.51	19.06	0.13	0.70	75.88	sandy silt to clayey silt	UNDFND	UNDFD	8	143.1
6.50	21.33	26.77	0.12	0.44	78.18	silty sand to sandy silt	<40	30-32	9	UNDEFINED
6.75	22.15	21.52	0.10	0.47	80.47	silty sand to sandy silt	<40	<30	7	UNDEFINED
7.00	22.97	13.72	0.15	1.08	82.77	sandy silt to clayey silt	UNDFND	UNDFD	5	99.3
7.25	23.79	49.28	0.23	0.47	85.07	sand to silty sand	40-50	34-36	12	UNDEFINED
7.50	24.61	26.53	0.28	1.06	87.36	silty sand to sandy silt	<40	30-32	9	UNDEFINED
7.75	25.43	31.41	0.23	0.74	89.66	silty sand to sandy silt	<40	30-32	10	UNDEFINED
8.00	26.25	42.44	0.28	0.65	91.96	silty sand to sandy silt	40-50	32-34	14	UNDEFINED
8.25	27.07	45.41	0.32	0.70	94.25	sand to silty sand	40-50	32-34	11	UNDEFINED
8.50	27.89	25.91	0.32	1.25	96.55	sandy silt to clayey silt	UNDFND	UNDFD	10	194.5
8.75	28.71	36.50	0.35	0.95	98.84	silty sand to sandy silt	<40	30-32	12	UNDEFINED
9.00	29.53	29.54	0.23	0.78	101.14	silty sand to sandy silt	<40	<30	10	UNDEFINED
9.25	30.35	12.02	0.22	1.86	103.44	clayey silt to silty clay	UNDFND	UNDFD	6	82.3
9.50	31.17	35.49	0.25	0.72	105.73	silty sand to sandy silt	<40	30-32	12	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	(feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	26.43	0.37	1.41	108.03	sandy silt to clayey silt	UNDFND	UNDFD	11	196.8
10.00	32.81	16.86	0.20	1.21	110.33	sandy silt to clayey silt	UNDFND	UNDFD	7	119.8
10.25	33.63	11.56	0.18	1.57	112.62	clayey silt to silty clay	UNDFND	UNDFD	6	77.1
10.50	34.45	8.34	0.11	1.27	114.92	clayey silt to silty clay	UNDFND	UNDFD	4	50.9
10.75	35.27	37.08	0.23	0.63	117.22	silty sand to sandy silt	<40	30-32	12	UNDEFINED
11.00	36.09	80.89	0.50	0.62	119.51	sand to silty sand	50-60	34-36	20	UNDEFINED
11.25	36.91	112.99	0.43	0.38	121.81	sand	60-70	36-38	23	UNDEFINED
11.50	37.73	89.30	0.35	0.39	124.11	sand	60-70	36-38	18	UNDEFINED
11.75	38.55	77.56	0.38	0.49	126.40	sand to silty sand	50-60	34-36	19	UNDEFINED
12.00	39.37	108.92	0.35	0.32	128.70	sand	60-70	36-38	22	UNDEFINED
12.25	40.19	129.98	0.38	0.29	131.00	sand	70-80	38-40	26	UNDEFINED
12.50	41.01	129.29	0.45	0.35	133.29	sand	70-80	38-40	26	UNDEFINED
12.75	41.83	118.56	0.43	0.36	135.59	sand	60-70	36-38	24	UNDEFINED
13.00	42.65	112.78	0.35	0.31	137.89	sand	60-70	36-38	23	UNDEFINED
13.25	43.47	119.43	0.43	0.36	140.18	sand	60-70	36-38	24	UNDEFINED
13.50	44.29	153.99	0.52	0.34	142.48	sand	70-80	38-40	31	UNDEFINED
13.75	45.11	167.94	0.51	0.30	144.78	sand	70-80	38-40	34	UNDEFINED
14.00	45.93	172.50	0.61	0.35	147.07	sand	70-80	38-40	35	UNDEFINED
14.25	46.75	118.18	0.83	0.70	149.37	sand	60-70	36-38	24	UNDEFINED
14.50	47.57	139.91	0.41	0.29	151.67	sand	70-80	36-38	28	UNDEFINED
14.75	48.39	138.30	0.47	0.34	153.96	sand	70-80	36-38	28	UNDEFINED
15.00	49.21	177.40	0.55	0.31	156.26	sand	70-80	38-40	35	UNDEFINED
15.25	50.03	183.02	0.59	0.32	158.56	sand	70-80	38-40	37	UNDEFINED
15.50	50.85	188.05	0.51	0.27	160.85	sand	70-80	38-40	38	UNDEFINED
15.75	51.67	163.20	0.78	0.48	163.15	sand	70-80	38-40	33	UNDEFINED
16.00	52.49	183.98	0.70	0.38	165.45	sand	70-80	38-40	37	UNDEFINED
16.25	53.31	198.25	0.69	0.35	167.74	sand	70-80	38-40	40	UNDEFINED
16.50	54.13	233.95	0.77	0.33	170.04	gravelly sand to sand	80-90	40-42	39	UNDEFINED
16.75	54.95	213.88	0.66	0.31	172.34	gravelly sand to sand	80-90	38-40	36	UNDEFINED
17.00	55.77	173.66	1.18	0.68	174.63	sand	70-80	38-40	35	UNDEFINED
17.25	56.59	162.74	0.96	0.59	176.93	sand	70-80	36-38	33	UNDEFINED
17.50	57.41	152.89	0.72	0.47	179.23	sand	70-80	36-38	31	UNDEFINED
17.75	58.23	117.45	0.64	0.54	181.52	sand	60-70	34-36	23	UNDEFINED
18.00	59.06	130.27	0.80	0.61	183.82	sand	60-70	36-38	26	UNDEFINED
18.25	59.88	159.76	0.51	0.32	186.12	sand	70-80	36-38	32	UNDEFINED
18.50	60.70	139.02	0.57	0.41	188.41	sand	60-70	36-38	28	UNDEFINED
18.75	61.52	126.83	0.51	0.40	190.71	sand	60-70	34-36	25	UNDEFINED
19.00	62.34	96.32	0.32	0.33	193.01	sand	50-60	32-34	19	UNDEFINED
19.25	63.16	143.92	0.78	0.54	195.30	sand	60-70	36-38	29	UNDEFINED
19.50	63.98	107.47	0.72	0.67	197.60	sand	50-60	34-36	21	UNDEFINED
19.75	64.80	102.20	0.50	0.49	199.90	sand	50-60	32-34	20	UNDEFINED
20.00	65.62	116.01	0.84	0.72	202.19	sand	60-70	34-36	23	UNDEFINED

Dr - All sands (Jamolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	175.23	0.83	0.47	204.49	sand	70-80	36-38	35	UNDEFINED
20.50	67.26	235.07	1.12	0.48	206.79	sand	80-90	38-40	47	UNDEFINED
20.75	68.08	195.73	0.88	0.45	209.08	sand	70-80	36-38	39	UNDEFINED
21.00	68.90	198.34	0.86	0.43	211.38	sand	70-80	36-38	40	UNDEFINED
21.25	69.72	225.21	0.97	0.43	213.67	sand	70-80	38-40	45	UNDEFINED
21.50	70.54	139.24	0.86	0.61	215.97	sand	60-70	34-36	28	UNDEFINED
21.75	71.36	172.36	1.15	0.67	218.27	sand	70-80	36-38	34	UNDEFINED
22.00	72.18	188.63	0.70	0.37	220.56	sand	70-80	36-38	38	UNDEFINED
22.25	73.00	128.31	0.62	0.48	222.86	sand	60-70	34-36	26	UNDEFINED
22.50	73.82	32.91	0.22	0.68	225.16	silty sand to sandy silt	<40	<30	11	UNDEFINED
22.75	74.64	21.57	0.13	0.59	227.45	silty sand to sandy silt	<40	<30	7	UNDEFINED
23.00	75.46	26.00	0.23	0.87	229.75	silty sand to sandy silt	<40	<30	9	UNDEFINED
23.25	76.28	60.07	0.27	0.45	232.05	sand to silty sand	40-50	<30	15	UNDEFINED
23.50	77.10	42.23	0.20	0.47	234.34	sand to silty sand	<40	<30	11	UNDEFINED
23.75	77.92	81.05	0.43	0.53	236.64	sand to silty sand	40-50	30-32	20	UNDEFINED
24.00	78.74	53.59	0.35	0.65	238.94	sand to silty sand	<40	<30	13	UNDEFINED
24.25	79.56	26.48	0.19	0.73	241.23	silty sand to sandy silt	<40	<30	9	UNDEFINED
24.50	80.38	69.40	0.35	0.51	243.53	sand to silty sand	40-50	<30	17	UNDEFINED
24.75	81.20	156.30	0.51	0.33	245.83	sand	60-70	34-36	31	UNDEFINED
25.00	82.02	168.92	0.68	0.40	248.12	sand	60-70	34-36	34	UNDEFINED
25.25	82.84	196.36	0.84	0.43	250.42	sand	70-80	36-38	39	UNDEFINED
25.50	83.66	177.38	0.80	0.45	252.72	sand	70-80	36-38	35	UNDEFINED
25.75	84.48	184.23	0.58	0.31	255.01	sand	70-80	36-38	37	UNDEFINED
26.00	85.30	224.84	0.78	0.35	257.31	gravelly sand to sand	70-80	36-38	37	UNDEFINED
26.25	86.12	175.84	0.53	0.30	259.61	sand	60-70	34-36	35	UNDEFINED
26.50	86.94	158.80	0.51	0.32	261.90	sand	60-70	34-36	32	UNDEFINED
26.75	87.76	144.47	0.50	0.35	264.20	sand	60-70	34-36	29	UNDEFINED
27.00	88.58	180.31	0.68	0.38	266.50	sand	70-80	34-36	36	UNDEFINED
27.25	89.40	188.46	0.69	0.37	268.79	sand	70-80	36-38	38	UNDEFINED
27.50	90.22	169.94	0.55	0.32	271.09	sand	60-70	34-36	34	UNDEFINED
27.75	91.04	175.83	0.69	0.39	273.39	sand	60-70	34-36	35	UNDEFINED
28.00	91.86	135.00	0.80	0.59	275.68	sand	60-70	32-34	27	UNDEFINED
28.25	92.68	139.17	1.11	0.80	277.98	sand	60-70	32-34	28	UNDEFINED
28.50	93.50	129.75	0.89	0.68	280.28	sand	50-60	32-34	26	UNDEFINED
28.75	94.32	38.17	0.50	1.30	282.57	silty sand to sandy silt	<40	<30	13	UNDEFINED
29.00	95.14	78.76	0.56	0.71	284.87	sand to silty sand	40-50	<30	20	UNDEFINED
29.25	95.96	34.15	0.50	1.46	287.17	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.50	96.78	34.13	0.48	1.41	289.46	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.75	97.60	87.02	0.71	0.82	291.76	sand to silty sand	40-50	30-32	22	UNDEFINED
30.00	98.43	40.50	0.51	1.27	294.06	silty sand to sandy silt	<40	<30	13	UNDEFINED
30.25	99.25	27.40	0.42	1.53	296.35	sandy silt to clayey silt	UNDFND	UNDFD	11	173.4
30.50	100.07	78.94	0.54	0.69	298.65	sand to silty sand	40-50	<30	20	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	33.83	0.64	1.89	300.95	sandy silt to clayey silt	UNDFND	UNDFD	14	224.0

Dr - All sands (Jamiolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : BURN RD./DELTA
 HOLE : 94-112 CPT-11 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:22:94 08:19
 CONE : 10 TON AD-013
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	8.29	0.20	2.36	2.37	silty clay to clay	UNDFND	UNDFD	6	66.1
0.50	1.64	10.26	0.34	3.35	7.12	silty clay to clay	UNDFND	UNDFD	7	81.5
0.75	2.46	9.19	0.27	2.98	11.87	silty clay to clay	UNDFND	UNDFD	6	72.6
1.00	3.28	16.08	0.10	0.63	16.62	sandy silt to clayey silt	UNDFND	UNDFD	6	127.2
1.25	4.10	9.37	0.10	1.07	21.37	clayey silt to silty clay	UNDFND	UNDFD	5	73.2
1.50	4.92	9.35	0.07	0.77	26.11	sandy silt to clayey silt	UNDFND	UNDFD	4	72.6
1.75	5.74	7.01	0.12	1.71	30.86	clayey silt to silty clay	UNDFND	UNDFD	4	53.6
2.00	6.56	6.46	0.09	1.39	35.61	clayey silt to silty clay	UNDFND	UNDFD	3	48.8
2.25	7.38	6.42	0.08	1.25	39.13	sensitive fine grained	UNDFND	UNDFD	3	48.0
2.50	8.20	5.17	0.05	1.04	41.43	sensitive fine grained	UNDFND	UNDFD	3	37.7
2.75	9.02	5.70	0.05	0.88	43.73	sensitive fine grained	UNDFND	UNDFD	3	41.6
3.00	9.84	7.03	0.14	1.96	46.02	silty clay to clay	UNDFND	UNDFD	5	51.8
3.25	10.66	6.70	0.12	1.79	48.32	clayey silt to silty clay	UNDFND	UNDFD	3	48.8
3.50	11.48	6.60	0.07	1.06	50.62	sensitive fine grained	UNDFND	UNDFD	3	47.6
3.75	12.30	6.28	0.05	0.86	52.91	sensitive fine grained	UNDFND	UNDFD	3	44.7
4.00	13.12	7.09	0.04	0.56	55.21	sensitive fine grained	UNDFND	UNDFD	4	50.7
4.25	13.94	7.25	0.04	0.61	57.51	sensitive fine grained	UNDFND	UNDFD	4	51.7
4.50	14.76	6.79	0.04	0.56	59.80	sensitive fine grained	UNDFND	UNDFD	3	47.6
4.75	15.58	8.77	0.04	0.41	62.10	sensitive fine grained	UNDFND	UNDFD	4	63.1
5.00	16.40	9.16	0.03	0.37	64.40	sensitive fine grained	UNDFND	UNDFD	5	65.8
5.25	17.22	11.00	0.05	0.49	66.69	sandy silt to clayey silt	UNDFND	UNDFD	4	80.2
5.50	18.04	12.55	0.03	0.27	68.99	sandy silt to clayey silt	UNDFND	UNDFD	5	92.2
5.75	18.86	11.27	0.08	0.71	71.29	sandy silt to clayey silt	UNDFND	UNDFD	5	81.6
6.00	19.69	46.64	0.31	0.67	73.58	sand to silty sand	40-50	34-36	12	UNDEFINED
6.25	20.51	77.02	0.25	0.32	75.88	sand to silty sand	60-70	38-40	19	UNDEFINED
6.50	21.33	37.21	0.22	0.60	78.18	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
6.75	22.15	40.30	0.24	0.60	80.47	silty sand to sandy silt	40-50	32-34	13	UNDEFINED
7.00	22.97	106.93	0.38	0.36	82.77	sand	70-80	38-40	21	UNDEFINED
7.25	23.79	65.30	0.28	0.42	85.07	sand to silty sand	50-60	36-38	16	UNDEFINED
7.50	24.61	111.86	0.30	0.27	87.36	sand	70-80	38-40	22	UNDEFINED
7.75	25.43	151.22	0.42	0.28	89.66	sand	80-90	40-42	30	UNDEFINED
8.00	26.25	161.50	0.40	0.25	91.96	sand	80-90	40-42	32	UNDEFINED
8.25	27.07	157.51	0.37	0.23	94.25	sand	80-90	40-42	32	UNDEFINED
8.50	27.89	160.68	0.34	0.21	96.55	sand	80-90	40-42	32	UNDEFINED
8.75	28.71	140.94	0.41	0.29	98.84	sand	70-80	40-42	28	UNDEFINED
9.00	29.53	134.40	0.38	0.28	101.14	sand	70-80	38-40	27	UNDEFINED
9.30	30.51	129.51	0.48	0.37	103.67	sand	70-80	38-40	26	UNDEFINED
9.55	31.33	144.69	0.35	0.24	106.19	sand	70-80	40-42	29	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV ¹ (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.80	32.15	123.12	0.41	0.33	108.49	sand	70-80	38-40	25	UNDEFINED
10.05	32.97	121.73	0.43	0.35	110.79	sand	70-80	38-40	24	UNDEFINED
10.30	33.79	135.34	0.49	0.36	113.08	sand	70-80	38-40	27	UNDEFINED
10.55	34.61	102.48	0.35	0.34	115.38	sand	60-70	36-38	20	UNDEFINED
10.80	35.43	52.34	0.46	0.87	117.68	sand to silty sand	40-50	32-34	13	UNDEFINED
11.05	36.25	123.72	0.42	0.34	119.97	sand	70-80	38-40	25	UNDEFINED
11.30	37.07	127.78	0.54	0.43	122.27	sand	70-80	38-40	26	UNDEFINED
11.55	37.89	90.55	0.63	0.69	124.57	sand to silty sand	60-70	36-38	23	UNDEFINED
11.80	38.71	95.51	0.48	0.50	126.86	sand	60-70	36-38	19	UNDEFINED
12.05	39.53	141.64	0.39	0.28	129.16	sand	70-80	38-40	28	UNDEFINED
12.30	40.35	120.18	0.36	0.30	131.46	sand	60-70	36-38	24	UNDEFINED
12.55	41.17	88.31	0.29	0.33	133.75	sand	50-60	34-36	18	UNDEFINED
12.80	41.99	95.79	0.32	0.33	136.05	sand	60-70	36-38	19	UNDEFINED
13.05	42.81	86.97	0.28	0.33	138.35	sand	50-60	34-36	17	UNDEFINED
13.30	43.64	88.67	0.29	0.33	140.64	sand	50-60	34-36	18	UNDEFINED
13.55	44.46	75.04	0.24	0.32	142.94	sand to silty sand	50-60	34-36	19	UNDEFINED
13.80	45.28	62.05	0.28	0.45	145.24	sand to silty sand	40-50	32-34	16	UNDEFINED
14.05	46.10	69.63	0.31	0.45	147.53	sand to silty sand	50-60	32-34	17	UNDEFINED
14.30	46.92	111.17	0.46	0.42	149.83	sand	60-70	36-38	22	UNDEFINED
14.55	47.74	164.50	0.88	0.54	152.13	sand	70-80	38-40	33	UNDEFINED
14.80	48.56	144.34	0.78	0.54	154.42	sand	70-80	36-38	29	UNDEFINED
15.05	49.38	158.99	0.75	0.47	156.72	sand	70-80	38-40	32	UNDEFINED
15.30	50.20	135.82	0.65	0.48	159.02	sand	60-70	36-38	27	UNDEFINED
15.55	51.02	110.00	0.25	0.23	161.31	sand	60-70	34-36	22	UNDEFINED
15.80	51.84	100.58	0.29	0.29	163.61	sand	60-70	34-36	20	UNDEFINED
16.05	52.66	129.26	0.36	0.28	165.91	sand	60-70	36-38	26	UNDEFINED
16.30	53.48	129.83	0.36	0.28	168.20	sand	60-70	36-38	26	UNDEFINED
16.55	54.30	106.30	0.31	0.29	170.50	sand	60-70	34-36	21	UNDEFINED
16.80	55.12	105.23	0.24	0.23	172.80	sand	60-70	34-36	21	UNDEFINED
17.05	55.94	98.11	0.23	0.24	175.09	sand	50-60	34-36	20	UNDEFINED
17.30	56.76	123.66	0.29	0.24	177.39	sand	60-70	34-36	25	UNDEFINED
17.55	57.58	105.33	0.23	0.22	179.69	sand	60-70	34-36	21	UNDEFINED
17.80	58.40	100.25	0.23	0.23	181.98	sand	50-60	34-36	20	UNDEFINED
18.05	59.22	132.76	0.32	0.24	184.28	sand	60-70	36-38	27	UNDEFINED
18.30	60.04	165.36	0.35	0.21	186.58	sand	70-80	36-38	33	UNDEFINED
18.55	60.86	140.07	0.28	0.20	188.87	sand	60-70	36-38	28	UNDEFINED
18.80	61.68	138.98	0.27	0.19	191.17	sand	60-70	36-38	28	UNDEFINED
19.05	62.50	121.49	0.42	0.34	193.46	sand	60-70	34-36	24	UNDEFINED
19.30	63.32	114.30	0.47	0.41	195.76	sand	60-70	34-36	23	UNDEFINED
19.55	64.14	100.02	0.31	0.31	198.06	sand	50-60	32-34	20	UNDEFINED
19.80	64.96	126.73	0.36	0.28	200.35	sand	60-70	34-36	25	UNDEFINED
20.05	65.78	145.73	0.49	0.33	202.65	sand	60-70	36-38	29	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.30	66.60	100.63	0.68	0.67	204.95	sand to silty sand	50-60	32-34	25	UNDEFINED
20.55	67.42	146.97	0.61	0.41	207.24	sand	60-70	36-38	29	UNDEFINED
20.80	68.24	144.40	0.47	0.33	209.54	sand	60-70	34-36	29	UNDEFINED
21.05	69.06	225.48	1.09	0.49	211.84	sand	70-80	38-40	45	UNDEFINED
21.30	69.88	197.27	1.06	0.54	214.13	sand	70-80	36-38	39	UNDEFINED
21.55	70.70	76.04	0.79	1.04	216.43	sand to silty sand	40-50	30-32	19	UNDEFINED
21.80	71.52	61.31	0.78	1.27	218.73	silty sand to sandy silt	40-50	<30	20	UNDEFINED
22.05	72.34	218.86	0.80	0.36	221.02	gravelly sand to sand	70-80	38-40	36	UNDEFINED
22.30	73.16	216.08	0.56	0.26	223.32	gravelly sand to sand	70-80	38-40	36	UNDEFINED
22.55	73.98	244.96	0.67	0.27	225.62	gravelly sand to sand	80-90	38-40	41	UNDEFINED
22.80	74.80	213.06	0.45	0.21	227.91	gravelly sand to sand	70-80	36-38	36	UNDEFINED
23.05	75.62	194.43	0.43	0.22	230.21	sand	70-80	36-38	39	UNDEFINED
23.30	76.44	212.36	0.54	0.25	232.51	gravelly sand to sand	70-80	36-38	35	UNDEFINED
23.55	77.26	259.86	0.51	0.20	234.80	gravelly sand to sand	80-90	38-40	43	UNDEFINED
23.80	78.08	258.57	0.45	0.17	237.10	gravelly sand to sand	80-90	38-40	43	UNDEFINED
24.05	78.90	233.76	0.54	0.23	239.40	gravelly sand to sand	70-80	38-40	39	UNDEFINED
24.30	79.72	231.58	0.66	0.29	241.69	gravelly sand to sand	70-80	36-38	39	UNDEFINED
24.55	80.54	199.31	0.55	0.28	243.99	sand	70-80	36-38	40	UNDEFINED
24.80	81.36	181.95	0.54	0.30	246.29	sand	70-80	36-38	36	UNDEFINED
25.05	82.19	221.40	0.99	0.45	248.58	sand	70-80	36-38	44	UNDEFINED
25.30	83.01	260.77	1.26	0.48	250.88	gravelly sand to sand	80-90	38-40	43	UNDEFINED
25.55	83.83	247.24	1.04	0.42	253.18	gravelly sand to sand	70-80	38-40	41	UNDEFINED
25.80	84.65	229.35	0.97	0.42	255.47	sand	70-80	36-38	46	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : .5 ALONG BURN RD
 HOLE : 94-112 CPT-12 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:22:94 10:56
 CONE : 10 TON AD 013
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	19.52	0.33	1.67	2.37	sandy silt to clayey silt	UNDFND	UNDFD	8	155.9
0.50	1.64	24.28	0.61	2.51	7.12	sandy silt to clayey silt	UNDFND	UNDFD	10	193.6
0.75	2.46	7.83	0.34	4.39	11.87	clay	UNDFND	UNDFD	8	61.7
1.00	3.28	6.54	0.28	4.28	16.62	clay	UNDFND	UNDFD	7	50.9
1.25	4.10	5.60	0.18	3.14	21.37	clay	UNDFND	UNDFD	6	43.1
1.50	4.92	5.18	0.07	1.27	26.11	sensitive fine grained	UNDFND	UNDFD	3	39.3
1.75	5.74	5.22	0.08	1.53	30.86	sensitive fine grained	UNDFND	UNDFD	3	39.3
2.00	6.56	5.26	0.08	1.56	35.61	sensitive fine grained	UNDFND	UNDFD	3	39.2
2.25	7.38	5.49	0.08	1.38	39.13	sensitive fine grained	UNDFND	UNDFD	3	40.7
2.50	8.20	5.73	0.10	1.71	41.43	silty clay to clay	UNDFND	UNDFD	4	42.2
2.75	9.02	5.73	0.10	1.67	43.73	silty clay to clay	UNDFND	UNDFD	4	41.8
3.00	9.84	6.27	0.06	0.96	46.02	sensitive fine grained	UNDFND	UNDFD	3	45.8
3.25	10.66	6.44	0.04	0.62	48.32	sensitive fine grained	UNDFND	UNDFD	3	46.7
3.50	11.48	6.65	0.03	0.51	50.62	sensitive fine grained	UNDFND	UNDFD	3	48.0
3.75	12.30	6.75	0.04	0.53	52.91	sensitive fine grained	UNDFND	UNDFD	3	48.4
4.00	13.12	7.35	0.05	0.68	55.21	sensitive fine grained	UNDFND	UNDFD	4	52.8
4.25	13.94	9.91	0.09	0.91	57.51	sandy silt to clayey silt	UNDFND	UNDFD	4	73.0
4.50	14.76	14.43	0.12	0.86	59.80	sandy silt to clayey silt	UNDFND	UNDFD	6	108.7
4.75	15.58	8.46	0.03	0.33	62.10	sensitive fine grained	UNDFND	UNDFD	4	60.6
5.00	16.40	8.51	0.03	0.35	64.40	sensitive fine grained	UNDFND	UNDFD	4	60.6
5.25	17.22	11.30	0.05	0.48	66.69	sandy silt to clayey silt	UNDFND	UNDFD	5	82.6
5.50	18.04	17.90	0.06	0.32	68.99	silty sand to sandy silt	<40	<30	6	UNDEFINED
5.75	18.86	15.49	0.11	0.68	71.29	sandy silt to clayey silt	UNDFND	UNDFD	6	115.4
6.00	19.69	43.78	0.17	0.40	73.58	sand to silty sand	40-50	34-36	11	UNDEFINED
6.25	20.51	75.84	0.32	0.42	75.88	sand to silty sand	60-70	38-40	19	UNDEFINED
6.50	21.33	50.58	0.35	0.69	78.18	sand to silty sand	50-60	34-36	13	UNDEFINED
6.75	22.15	51.66	0.32	0.61	80.47	sand to silty sand	50-60	34-36	13	UNDEFINED
7.00	22.97	28.69	0.17	0.58	82.77	silty sand to sandy silt	<40	30-32	10	UNDEFINED
7.25	23.79	21.61	0.17	0.78	85.07	silty sand to sandy silt	<40	<30	7	UNDEFINED
7.50	24.61	16.54	0.14	0.85	87.36	sandy silt to clayey silt	UNDFND	UNDFD	7	121.0
7.75	25.43	15.58	0.14	0.89	89.66	sandy silt to clayey silt	UNDFND	UNDFD	6	113.0
8.00	26.25	29.23	0.21	0.73	91.96	silty sand to sandy silt	<40	30-32	10	UNDEFINED
8.25	27.07	66.05	0.48	0.73	94.25	sand to silty sand	50-60	36-38	17	UNDEFINED
8.50	27.89	149.68	0.42	0.28	96.55	sand	70-80	40-42	30	UNDEFINED
8.75	28.71	150.96	0.35	0.23	98.84	sand	70-80	40-42	30	UNDEFINED
9.00	29.53	134.49	0.48	0.36	101.14	sand	70-80	38-40	27	UNDEFINED
9.25	30.35	158.31	0.34	0.21	103.44	sand	70-80	40-42	32	UNDEFINED
9.50	31.17	149.07	0.33	0.22	105.73	sand	70-80	40-42	30	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	199.45	0.41	0.21	108.03	gravelly sand to sand	80-90	40-42	33	UNDEFINED
10.00	32.81	174.32	0.44	0.25	110.33	sand	80-90	40-42	35	UNDEFINED
10.25	33.63	164.09	0.43	0.26	112.62	sand	70-80	40-42	33	UNDEFINED
10.50	34.45	184.03	0.45	0.24	114.92	sand	80-90	40-42	37	UNDEFINED
10.75	35.27	193.30	0.41	0.21	117.22	sand	80-90	40-42	39	UNDEFINED
11.00	36.09	200.76	0.45	0.22	119.51	gravelly sand to sand	80-90	40-42	33	UNDEFINED
11.25	36.91	199.40	0.35	0.18	121.81	gravelly sand to sand	80-90	40-42	33	UNDEFINED
11.50	37.73	150.82	0.29	0.19	124.11	sand	70-80	38-40	30	UNDEFINED
11.75	38.55	131.32	0.31	0.24	126.40	sand	70-80	38-40	26	UNDEFINED
12.00	39.37	128.13	0.32	0.25	128.70	sand	70-80	38-40	26	UNDEFINED
12.25	40.19	85.49	0.24	0.28	131.00	sand	50-60	34-36	17	UNDEFINED
12.50	41.01	117.92	0.31	0.26	133.29	sand	60-70	36-38	24	UNDEFINED
12.75	41.83	153.43	0.34	0.22	135.59	sand	70-80	38-40	31	UNDEFINED
13.00	42.65	158.57	0.48	0.30	137.89	sand	70-80	38-40	32	UNDEFINED
13.25	43.47	134.56	0.37	0.28	140.18	sand	70-80	36-38	27	UNDEFINED
13.50	44.29	161.52	0.43	0.26	142.48	sand	70-80	38-40	32	UNDEFINED
13.75	45.11	160.42	0.41	0.26	144.78	sand	70-80	38-40	32	UNDEFINED
14.00	45.93	126.85	0.43	0.34	147.07	sand	60-70	36-38	25	UNDEFINED
14.25	46.75	89.20	0.48	0.53	149.37	sand to silty sand	50-60	34-36	22	UNDEFINED
14.50	47.57	146.92	0.40	0.27	151.67	sand	70-80	38-40	29	UNDEFINED
14.75	48.39	135.62	0.34	0.25	153.96	sand	60-70	36-38	27	UNDEFINED
15.00	49.21	122.36	0.36	0.29	156.26	sand	60-70	36-38	24	UNDEFINED
15.25	50.03	211.52	0.48	0.23	158.56	gravelly sand to sand	80-90	38-40	35	UNDEFINED
15.50	50.85	221.12	0.36	0.16	160.85	gravelly sand to sand	80-90	40-42	37	UNDEFINED
15.75	51.67	177.73	0.38	0.21	163.15	sand	70-80	38-40	36	UNDEFINED
16.00	52.49	134.29	0.43	0.32	165.45	sand	60-70	36-38	27	UNDEFINED
16.25	53.31	160.66	0.46	0.28	167.74	sand	70-80	36-38	32	UNDEFINED
16.50	54.13	118.37	0.57	0.48	170.04	sand	60-70	34-36	24	UNDEFINED
16.75	54.95	53.46	0.47	0.88	172.34	sand to silty sand	40-50	30-32	13	UNDEFINED
17.00	55.77	23.55	0.35	1.49	174.63	sandy silt to clayey silt	UNDFND	UNDFD	9	162.7
17.25	56.59	44.51	0.40	0.90	176.93	silty sand to sandy silt	<40	<30	15	UNDEFINED
17.50	57.41	70.66	0.41	0.58	179.23	sand to silty sand	40-50	32-34	18	UNDEFINED
17.75	58.23	107.29	0.34	0.32	181.52	sand	60-70	34-36	21	UNDEFINED
18.00	59.06	59.61	0.30	0.50	183.82	sand to silty sand	40-50	30-32	15	UNDEFINED
18.25	59.88	37.68	0.37	0.99	186.12	silty sand to sandy silt	<40	<30	13	UNDEFINED
18.50	60.70	83.26	0.38	0.46	188.41	sand to silty sand	50-60	32-34	21	UNDEFINED
18.75	61.52	198.41	0.52	0.26	190.71	sand	70-80	38-40	40	UNDEFINED
19.00	62.34	240.86	0.40	0.16	193.01	gravelly sand to sand	80-90	38-40	40	UNDEFINED
19.25	63.16	246.65	0.63	0.25	195.30	gravelly sand to sand	80-90	38-40	41	UNDEFINED
19.50	63.98	231.64	0.72	0.31	197.60	gravelly sand to sand	80-90	38-40	39	UNDEFINED
19.75	64.80	156.81	0.52	0.33	199.90	sand	70-80	36-38	31	UNDEFINED
20.00	65.62	129.43	0.54	0.42	202.19	sand	60-70	34-36	26	UNDEFINED

Dr - All sands (Jamolkovski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	102.52	0.46	0.45	204.49	sand	50-60	32-34	21	UNDEFINED
20.50	67.26	150.25	0.46	0.31	206.79	sand	60-70	36-38	30	UNDEFINED
20.75	68.08	179.59	0.37	0.20	209.08	sand	70-80	36-38	36	UNDEFINED
21.00	68.90	140.42	0.34	0.24	211.38	sand	60-70	34-36	28	UNDEFINED
21.25	69.72	132.09	0.49	0.37	213.67	sand	60-70	34-36	26	UNDEFINED
21.50	70.54	85.01	0.63	0.74	215.97	sand to silty sand	50-60	32-34	21	UNDEFINED
21.75	71.36	29.49	0.13	0.43	218.27	silty sand to sandy silt	<40	<30	10	UNDEFINED
22.00	72.18	55.24	0.48	0.87	220.56	sand to silty sand	<40	<30	14	UNDEFINED
22.25	73.00	24.92	0.21	0.83	222.86	silty sand to sandy silt	<40	<30	8	UNDEFINED
22.50	73.82	45.61	1.09	2.38	225.16	sandy silt to clayey silt	UNDFND	UNDFD	18	330.9
22.75	74.64	51.64	0.71	1.38	227.45	silty sand to sandy silt	<40	<30	17	UNDEFINED
23.00	75.46	28.34	0.23	0.80	229.75	silty sand to sandy silt	<40	<30	9	UNDEFINED
23.25	76.28	22.10	0.16	0.71	232.05	silty sand to sandy silt	<40	<30	7	UNDEFINED
23.50	77.10	27.33	0.20	0.72	234.34	silty sand to sandy silt	<40	<30	9	UNDEFINED
23.75	77.92	43.35	0.30	0.70	236.64	silty sand to sandy silt	<40	<30	14	UNDEFINED
24.00	78.74	178.87	0.82	0.46	238.94	sand	70-80	36-38	36	UNDEFINED
24.25	79.56	211.84	0.77	0.36	241.23	sand	70-80	36-38	42	UNDEFINED
24.50	80.38	170.02	0.59	0.35	243.53	sand	60-70	34-36	34	UNDEFINED
24.75	81.20	187.98	0.55	0.29	245.83	sand	70-80	36-38	38	UNDEFINED
25.00	82.02	192.17	0.40	0.21	248.12	sand	70-80	36-38	38	UNDEFINED
25.25	82.84	155.22	0.38	0.25	250.42	sand	60-70	34-36	31	UNDEFINED
25.50	83.66	169.82	0.42	0.25	252.72	sand	60-70	34-36	34	UNDEFINED
25.75	84.48	178.54	0.47	0.26	255.01	sand	70-80	34-36	36	UNDEFINED
26.00	85.30	171.58	0.35	0.21	257.31	sand	60-70	34-36	34	UNDEFINED
26.25	86.12	209.47	0.39	0.18	259.61	gravelly sand to sand	70-80	36-38	35	UNDEFINED
26.50	86.94	214.07	0.38	0.18	261.90	gravelly sand to sand	70-80	36-38	36	UNDEFINED
26.75	87.76	114.14	0.77	0.67	264.20	sand	50-60	32-34	23	UNDEFINED
27.00	88.58	29.83	0.17	0.58	266.50	silty sand to sandy silt	<40	<30	10	UNDEFINED
27.25	89.40	27.04	0.09	0.34	268.79	silty sand to sandy silt	<40	<30	9	UNDEFINED
27.50	90.22	26.53	0.18	0.69	271.09	silty sand to sandy silt	<40	<30	9	UNDEFINED
27.75	91.04	30.76	0.16	0.53	273.39	silty sand to sandy silt	<40	<30	10	UNDEFINED
28.00	91.86	27.95	0.31	1.10	275.68	silty sand to sandy silt	<40	<30	9	UNDEFINED
28.25	92.68	25.64	0.26	1.03	277.98	silty sand to sandy silt	<40	<30	9	UNDEFINED
28.50	93.50	35.47	0.31	0.88	280.28	silty sand to sandy silt	<40	<30	12	UNDEFINED
28.75	94.32	31.90	0.19	0.58	282.57	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.00	95.14	29.24	0.44	1.50	284.87	sandy silt to clayey silt	UNDFND	UNDFD	12	190.0
29.25	95.96	33.97	0.27	0.81	287.17	silty sand to sandy silt	<40	<30	11	UNDEFINED
29.50	96.78	23.15	0.11	0.48	289.46	silty sand to sandy silt	<40	<30	8	UNDEFINED
29.75	97.60	22.61	0.09	0.39	291.76	silty sand to sandy silt	<40	<30	8	UNDEFINED
30.00	98.43	22.93	0.20	0.88	294.06	silty sand to sandy silt	<40	<30	8	UNDEFINED
30.25	99.25	25.60	0.10	0.41	296.35	silty sand to sandy silt	<40	<30	9	UNDEFINED
30.50	100.07	22.09	0.08	0.35	298.65	silty sand to sandy silt	<40	<30	7	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	21.86	0.08	0.37	300.95	silty sand to sandy silt	<40	<30	7	UNDEFINED
31.00	101.71	23.63	0.20	0.83	303.24	silty sand to sandy silt	<40	<30	8	UNDEFINED
31.25	102.53	22.50	0.10	0.45	305.54	silty sand to sandy silt	<40	<30	8	UNDEFINED
31.50	103.35	22.35	0.08	0.38	307.84	silty sand to sandy silt	<40	<30	7	UNDEFINED
31.75	104.17	23.51	0.10	0.43	310.13	silty sand to sandy silt	<40	<30	8	UNDEFINED
32.00	104.99	22.08	0.15	0.70	312.43	silty sand to sandy silt	<40	<30	7	UNDEFINED
32.25	105.81	24.06	0.11	0.47	314.73	silty sand to sandy silt	<40	<30	8	UNDEFINED
32.50	106.63	24.79	0.19	0.76	317.02	silty sand to sandy silt	<40	<30	8	UNDEFINED
32.75	107.45	24.54	0.17	0.68	319.32	silty sand to sandy silt	<40	<30	8	UNDEFINED
33.00	108.27	22.09	0.19	0.85	321.62	silty sand to sandy silt	<40	<30	7	UNDEFINED
33.25	109.09	27.91	0.29	1.05	323.91	silty sand to sandy silt	<40	<30	9	UNDEFINED
33.50	109.91	25.91	0.15	0.57	326.21	silty sand to sandy silt	<40	<30	9	UNDEFINED
33.75	110.73	24.96	0.16	0.62	328.50	silty sand to sandy silt	<40	<30	8	UNDEFINED
34.00	111.55	38.58	0.38	0.97	330.80	silty sand to sandy silt	<40	<30	13	UNDEFINED
34.25	112.37	27.11	0.21	0.78	333.10	silty sand to sandy silt	<40	<30	9	UNDEFINED
34.50	113.19	32.30	0.38	1.19	335.39	silty sand to sandy silt	<40	<30	11	UNDEFINED
34.75	114.01	24.80	0.16	0.65	337.69	silty sand to sandy silt	<40	<30	8	UNDEFINED
35.00	114.83	28.52	0.30	1.04	339.99	silty sand to sandy silt	<40	<30	10	UNDEFINED
35.25	115.65	23.78	0.21	0.88	342.28	silty sand to sandy silt	<40	<30	8	UNDEFINED
35.50	116.47	28.17	0.22	0.78	344.58	silty sand to sandy silt	<40	<30	9	UNDEFINED
35.75	117.29	23.11	0.12	0.53	346.88	silty sand to sandy silt	<40	<30	8	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : ROB. BANK (13-4)
 HOLE : 112 CPT-13 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 02:22:94 14:16
 CONE : TON AD 013 94-
 Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	13.25	0.10	0.75	2.37	sandy silt to clayey silt	UNDFND	UNDFND	5	105.8
0.50	1.64	25.91	0.12	0.46	7.12	silty sand to sandy silt	60-70	44-46	9	UNDEFINED
0.75	2.46	5.77	0.05	0.83	11.87	sensitive fine grained	UNDFND	UNDFND	3	45.2
1.00	3.28	9.55	0.04	0.44	16.62	sandy silt to clayey silt	UNDFND	UNDFND	4	75.0
1.25	4.10	2.00	0.02	1.00	21.37	sensitive fine grained	UNDFND	UNDFND	1	14.2
1.50	4.92	2.00	0.02	1.00	26.11	sensitive fine grained	UNDFND	UNDFND	1	13.9
1.75	5.74	2.00	0.02	1.00	30.86	sensitive fine grained	UNDFND	UNDFND	1	13.5
2.00	6.56	2.00	0.02	1.00	35.61	sensitive fine grained	UNDFND	UNDFND	1	13.1
2.25	7.38	2.00	0.02	1.00	39.13	sensitive fine grained	UNDFND	UNDFND	1	12.7
2.50	8.20	2.00	0.02	1.00	41.43	sensitive fine grained	UNDFND	UNDFND	1	12.3
2.75	9.02	2.00	0.02	1.00	43.73	sensitive fine grained	UNDFND	UNDFND	1	12.0
3.00	9.84	2.00	0.02	1.00	46.02	sensitive fine grained	UNDFND	UNDFND	1	11.6
3.25	10.66	2.39	0.03	1.09	48.32	sensitive fine grained	UNDFND	UNDFND	1	14.4
3.50	11.48	2.63	0.02	0.76	50.62	sensitive fine grained	UNDFND	UNDFND	1	15.8
3.75	12.30	5.01	0.02	0.40	52.91	sensitive fine grained	UNDFND	UNDFND	3	34.6
4.00	13.12	22.06	0.13	0.60	55.21	silty sand to sandy silt	<40	32-34	7	UNDEFINED
4.25	13.94	60.95	0.24	0.39	57.51	sand to silty sand	60-70	38-40	15	UNDEFINED
4.50	14.76	68.91	0.27	0.40	59.80	sand to silty sand	60-70	38-40	17	UNDEFINED
4.75	15.58	62.39	0.27	0.43	62.10	sand to silty sand	60-70	38-40	16	UNDEFINED
5.00	16.40	63.21	0.29	0.46	64.40	sand to silty sand	60-70	38-40	16	UNDEFINED
5.25	17.22	72.21	0.29	0.40	66.69	sand to silty sand	60-70	38-40	18	UNDEFINED
5.50	18.04	58.26	0.25	0.44	68.99	sand to silty sand	50-60	36-38	15	UNDEFINED
5.75	18.86	31.93	0.45	1.40	71.29	silty sand to sandy silt	<40	32-34	11	UNDEFINED
6.00	19.69	36.87	0.14	0.37	73.58	sand to silty sand	40-50	32-34	9	UNDEFINED
6.25	20.51	33.70	0.14	0.42	75.88	silty sand to sandy silt	40-50	32-34	11	UNDEFINED
6.50	21.33	34.97	0.15	0.44	78.18	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
6.75	22.15	39.33	0.16	0.41	80.47	sand to silty sand	40-50	32-34	10	UNDEFINED
7.00	22.97	46.56	0.17	0.36	82.77	sand to silty sand	40-50	34-36	12	UNDEFINED
7.25	23.79	38.34	0.23	0.61	85.07	silty sand to sandy silt	40-50	32-34	13	UNDEFINED
7.50	24.61	35.42	0.29	0.83	87.36	silty sand to sandy silt	<40	32-34	12	UNDEFINED
7.75	25.43	63.80	0.32	0.51	89.66	sand to silty sand	50-60	36-38	16	UNDEFINED
8.00	26.25	95.22	0.34	0.35	91.96	sand	60-70	38-40	19	UNDEFINED
8.25	27.07	91.72	0.33	0.36	94.25	sand	60-70	38-40	18	UNDEFINED
8.50	27.89	85.65	0.29	0.34	96.55	sand	60-70	36-38	17	UNDEFINED
8.75	28.71	73.93	0.25	0.33	98.84	sand to silty sand	50-60	36-38	18	UNDEFINED
9.00	29.53	65.00	0.27	0.42	101.14	sand to silty sand	50-60	34-36	16	UNDEFINED
9.25	30.35	79.69	0.28	0.35	103.44	sand to silty sand	60-70	36-38	20	UNDEFINED
9.50	31.17	76.63	0.26	0.34	105.73	sand to silty sand	50-60	36-38	19	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	69.60	0.22	0.32	108.03	sand to silty sand	50-60	34-36	17	UNDEFINED
10.00	32.81	62.84	0.19	0.30	110.33	sand to silty sand	50-60	34-36	16	UNDEFINED
10.25	33.63	61.53	0.21	0.34	112.62	sand to silty sand	50-60	34-36	15	UNDEFINED
10.50	34.45	105.89	0.40	0.37	114.92	sand	60-70	36-38	21	UNDEFINED
10.75	35.27	65.81	0.23	0.35	117.22	sand to silty sand	50-60	34-36	16	UNDEFINED
11.00	36.09	118.06	0.42	0.36	119.51	sand	60-70	38-40	24	UNDEFINED
11.25	36.91	125.63	0.48	0.38	121.81	sand	70-80	38-40	25	UNDEFINED
11.50	37.73	79.60	0.27	0.33	124.11	sand to silty sand	50-60	34-36	20	UNDEFINED
11.75	38.55	67.40	0.24	0.36	126.40	sand to silty sand	50-60	34-36	17	UNDEFINED
12.00	39.37	69.41	0.35	0.50	128.70	sand to silty sand	50-60	34-36	17	UNDEFINED
12.25	40.19	49.93	0.70	1.40	131.00	silty sand to sandy silt	40-50	30-32	17	UNDEFINED
12.50	41.01	62.10	0.30	0.49	133.29	sand to silty sand	40-50	32-34	16	UNDEFINED
12.75	41.83	52.64	0.21	0.40	135.59	sand to silty sand	40-50	32-34	13	UNDEFINED
13.00	42.65	40.60	0.23	0.57	137.89	silty sand to sandy silt	<40	30-32	14	UNDEFINED
13.25	43.47	60.71	0.25	0.42	140.18	sand to silty sand	40-50	32-34	15	UNDEFINED
13.50	44.29	42.41	0.41	0.97	142.48	silty sand to sandy silt	<40	30-32	14	UNDEFINED
13.75	45.11	75.86	0.32	0.42	144.78	sand to silty sand	50-60	34-36	19	UNDEFINED
14.00	45.93	96.78	0.27	0.28	147.07	sand	60-70	34-36	19	UNDEFINED
14.25	46.75	74.46	0.21	0.28	149.37	sand to silty sand	50-60	32-34	19	UNDEFINED
14.50	47.57	80.86	0.22	0.27	151.67	sand	50-60	34-36	16	UNDEFINED
14.75	48.39	72.15	0.20	0.28	153.96	sand to silty sand	50-60	32-34	18	UNDEFINED
15.00	49.21	78.52	0.22	0.29	156.26	sand	50-60	32-34	16	UNDEFINED
15.25	50.03	90.02	0.25	0.28	158.56	sand	50-60	34-36	18	UNDEFINED
15.50	50.85	72.97	0.21	0.29	160.85	sand to silty sand	50-60	32-34	18	UNDEFINED
15.75	51.67	80.30	0.21	0.26	163.15	sand	50-60	32-34	16	UNDEFINED
16.00	52.49	58.65	0.16	0.28	165.45	sand to silty sand	40-50	30-32	15	UNDEFINED
16.25	53.31	63.27	0.18	0.29	167.74	sand to silty sand	40-50	30-32	16	UNDEFINED
16.50	54.13	101.66	0.36	0.36	170.04	sand	60-70	34-36	20	UNDEFINED
16.75	54.95	86.66	0.26	0.30	172.34	sand	50-60	32-34	17	UNDEFINED
17.00	55.77	83.37	0.22	0.26	174.63	sand	50-60	32-34	17	UNDEFINED
17.25	56.59	55.01	0.14	0.26	176.93	sand to silty sand	40-50	30-32	14	UNDEFINED
17.50	57.41	57.17	0.16	0.28	179.23	sand to silty sand	40-50	30-32	14	UNDEFINED
17.75	58.23	60.46	0.20	0.33	181.52	sand to silty sand	40-50	30-32	15	UNDEFINED
18.00	59.06	81.48	0.25	0.31	183.82	sand	50-60	32-34	16	UNDEFINED
18.25	59.88	71.97	0.31	0.43	186.12	sand to silty sand	40-50	32-34	18	UNDEFINED
18.50	60.70	63.45	0.54	0.86	188.41	sand to silty sand	40-50	30-32	16	UNDEFINED
18.75	61.52	93.70	0.40	0.42	190.71	sand	50-60	32-34	19	UNDEFINED
19.00	62.34	49.36	0.29	0.59	193.01	sand to silty sand	<40	<30	12	UNDEFINED
19.25	63.16	47.19	0.45	0.95	195.30	silty sand to sandy silt	<40	<30	16	UNDEFINED
19.50	63.98	59.41	0.38	0.64	197.60	sand to silty sand	40-50	30-32	15	UNDEFINED
19.75	64.80	88.87	0.39	0.44	199.90	sand	50-60	32-34	18	UNDEFINED
20.00	65.62	93.24	0.32	0.35	202.19	sand	50-60	32-34	19	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	95.38	0.28	0.30	204.49	sand	50-60	32-34	19	UNDEFINED
20.50	67.26	95.38	0.31	0.33	206.79	sand	50-60	32-34	19	UNDEFINED
20.75	68.08	101.12	0.36	0.36	209.08	sand	50-60	32-34	20	UNDEFINED
21.00	68.90	79.93	0.38	0.48	211.38	sand to silty sand	50-60	30-32	20	UNDEFINED
21.25	69.72	47.74	0.52	1.09	213.67	silty sand to sandy silt	<40	<30	16	UNDEFINED
21.50	70.54	68.33	0.57	0.83	215.97	sand to silty sand	40-50	30-32	17	UNDEFINED
21.75	71.36	114.12	0.66	0.58	218.27	sand	50-60	34-36	23	UNDEFINED
22.00	72.18	97.99	0.56	0.57	220.56	sand	50-60	32-34	20	UNDEFINED
22.25	73.00	87.60	0.57	0.65	222.86	sand to silty sand	50-60	32-34	22	UNDEFINED
22.50	73.82	79.94	0.47	0.59	225.16	sand to silty sand	40-50	30-32	20	UNDEFINED
22.75	74.64	65.76	0.47	0.72	227.45	sand to silty sand	40-50	<30	16	UNDEFINED
23.00	75.46	48.88	0.35	0.72	229.75	sand to silty sand	<40	<30	12	UNDEFINED
23.25	76.28	30.22	0.27	0.90	232.05	silty sand to sandy silt	<40	<30	10	UNDEFINED
23.50	77.10	37.12	0.37	0.99	234.34	silty sand to sandy silt	<40	<30	12	UNDEFINED
23.75	77.92	25.55	0.27	1.04	236.64	silty sand to sandy silt	<40	<30	9	UNDEFINED
24.00	78.74	39.54	0.39	0.98	238.94	silty sand to sandy silt	<40	<30	13	UNDEFINED
24.25	79.56	29.27	0.37	1.26	241.23	silty sand to sandy silt	<40	<30	10	UNDEFINED
24.50	80.38	26.41	0.22	0.83	243.53	silty sand to sandy silt	<40	<30	9	UNDEFINED
24.75	81.20	30.79	0.30	0.98	245.83	silty sand to sandy silt	<40	<30	10	UNDEFINED
25.00	82.02	47.09	0.37	0.79	248.12	silty sand to sandy silt	<40	<30	16	UNDEFINED
25.25	82.84	48.92	0.49	0.99	250.42	silty sand to sandy silt	<40	<30	16	UNDEFINED
25.50	83.66	40.70	0.44	1.08	252.72	silty sand to sandy silt	<40	<30	14	UNDEFINED
25.75	84.48	47.98	0.47	0.98	255.01	silty sand to sandy silt	<40	<30	16	UNDEFINED
26.00	85.30	45.55	0.43	0.95	257.31	silty sand to sandy silt	<40	<30	15	UNDEFINED
26.25	86.12	33.00	0.44	1.32	259.61	silty sand to sandy silt	<40	<30	11	UNDEFINED
26.50	86.94	25.81	0.27	1.06	261.90	silty sand to sandy silt	<40	<30	9	UNDEFINED
26.75	87.76	55.50	0.42	0.75	264.20	sand to silty sand	<40	<30	14	UNDEFINED
27.00	88.58	31.68	0.48	1.50	266.50	sandy silt to clayey silt	UNDFND	UNDFD	13	212.5
27.25	89.40	46.74	0.53	1.13	268.79	silty sand to sandy silt	<40	<30	16	UNDEFINED
27.50	90.22	41.82	0.47	1.13	271.09	silty sand to sandy silt	<40	<30	14	UNDEFINED
27.75	91.04	26.04	0.35	1.33	273.39	sandy silt to clayey silt	UNDFND	UNDFD	10	166.2
28.00	91.86	69.12	0.48	0.69	275.68	sand to silty sand	40-50	<30	17	UNDEFINED
28.25	92.68	58.17	0.56	0.96	277.98	sand to silty sand	<40	<30	15	UNDEFINED
28.50	93.50	60.19	0.53	0.88	280.28	sand to silty sand	<40	<30	15	UNDEFINED
28.75	94.32	60.74	0.52	0.86	282.57	sand to silty sand	<40	<30	15	UNDEFINED
29.00	95.14	38.32	0.39	1.01	284.87	silty sand to sandy silt	<40	<30	13	UNDEFINED
29.25	95.96	76.73	0.40	0.53	287.17	sand to silty sand	40-50	<30	19	UNDEFINED
29.50	96.78	62.28	0.42	0.68	289.46	sand to silty sand	<40	<30	16	UNDEFINED
29.75	97.60	62.99	0.47	0.75	291.76	sand to silty sand	<40	<30	16	UNDEFINED
30.00	98.43	80.54	0.61	0.76	294.06	sand to silty sand	40-50	<30	20	UNDEFINED
30.25	99.25	90.90	0.52	0.57	296.35	sand to silty sand	40-50	30-32	23	UNDEFINED
30.50	100.07	77.34	0.59	0.76	298.65	sand to silty sand	40-50	<30	19	UNDEFINED

Dr - All sands (Jamioikovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	104.98	0.59	0.57	300.95	sand	50-60	30-32	21	UNDEFINED
31.00	101.71	91.04	0.55	0.60	303.24	sand to silty sand	40-50	30-32	23	UNDEFINED
31.25	102.53	66.66	0.67	1.00	305.54	sand to silty sand	<40	<30	17	UNDEFINED
31.50	103.35	79.80	0.56	0.70	307.84	sand to silty sand	40-50	<30	20	UNDEFINED
31.75	104.17	66.04	0.63	0.95	310.13	sand to silty sand	<40	<30	17	UNDEFINED
32.00	104.99	55.67	0.53	0.96	312.43	sand to silty sand	<40	<30	14	UNDEFINED
32.25	105.81	93.38	0.46	0.49	314.73	sand	40-50	30-32	19	UNDEFINED
32.50	106.63	99.18	0.51	0.52	317.02	sand	50-60	30-32	20	UNDEFINED
32.75	107.45	85.77	0.49	0.57	319.32	sand to silty sand	40-50	<30	21	UNDEFINED
33.00	108.27	79.56	0.65	0.81	321.62	sand to silty sand	40-50	<30	20	UNDEFINED
33.25	109.09	74.01	0.49	0.66	323.91	sand to silty sand	40-50	<30	19	UNDEFINED
33.50	109.91	67.86	0.54	0.80	326.21	sand to silty sand	<40	<30	17	UNDEFINED
33.75	110.73	73.91	0.58	0.78	328.50	sand to silty sand	40-50	<30	18	UNDEFINED
34.00	111.55	77.51	0.54	0.69	330.80	sand to silty sand	40-50	<30	19	UNDEFINED
34.25	112.37	53.37	0.56	1.05	333.10	silty sand to sandy silt	<40	<30	18	UNDEFINED
34.50	113.19	105.03	0.48	0.46	335.39	sand	50-60	30-32	21	UNDEFINED
34.75	114.01	113.84	0.68	0.60	337.69	sand	50-60	30-32	23	UNDEFINED
35.00	114.83	112.34	0.61	0.54	339.99	sand	50-60	30-32	22	UNDEFINED
35.25	115.65	76.99	0.53	0.69	342.28	sand to silty sand	40-50	<30	19	UNDEFINED
35.50	116.47	60.25	0.48	0.80	344.58	sand to silty sand	<40	<30	15	UNDEFINED
35.75	117.29	74.88	0.29	0.38	346.88	sand to silty sand	40-50	<30	19	UNDEFINED
36.00	118.11	89.51	0.42	0.47	349.17	sand	40-50	<30	18	UNDEFINED

Dr - All sands (Jamiolkovski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : NO.4/WESTMIN10 T
 HOLE : 12 CPT-14 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 03:02:94 12:38
 CONE : ON AD 013 94-1
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	15.91	0.57	3.58	2.37	silty clay to clay	UNDFND	UNDFD	11	127.0
0.50	1.64	12.24	0.42	3.41	7.12	silty clay to clay	UNDFND	UNDFD	8	97.3
0.75	2.46	19.33	0.72	3.72	11.87	silty clay to clay	UNDFND	UNDFD	13	153.7
1.00	3.28	12.81	0.62	4.81	16.62	clay	UNDFND	UNDFD	13	101.1
1.25	4.10	7.48	0.42	5.61	20.14	clay	UNDFND	UNDFD	7	58.1
1.50	4.92	2.74	0.13	4.67	22.44	clay	UNDFND	UNDFD	3	19.8
1.75	5.74	2.08	0.05	2.60	24.73	clay	UNDFND	UNDFD	2	14.1
2.00	6.56	2.08	0.04	2.02	27.03	sensitive fine grained	UNDFND	UNDFD	1	13.7
2.25	7.38	2.45	0.07	2.94	29.33	clay	UNDFND	UNDFD	2	16.3
2.50	8.20	2.83	0.04	1.41	31.62	sensitive fine grained	UNDFND	UNDFD	1	19.0
2.75	9.02	2.40	0.03	1.17	33.92	sensitive fine grained	UNDFND	UNDFD	1	15.1
3.00	9.84	2.35	0.03	1.27	36.22	sensitive fine grained	UNDFND	UNDFD	1	14.4
3.25	10.66	2.99	0.06	2.14	38.51	clay	UNDFND	UNDFD	3	19.1
3.50	11.48	3.89	0.05	1.34	40.81	sensitive fine grained	UNDFND	UNDFD	2	26.0
3.75	12.30	7.17	0.11	1.48	43.11	clayey silt to silty clay	UNDFND	UNDFD	4	51.8
4.00	13.12	11.92	0.11	0.91	45.40	sandy silt to clayey silt	UNDFND	UNDFD	5	89.4
4.25	13.94	25.89	0.11	0.41	47.70	silty sand to sandy silt	<40	34-36	9	UNDEFINED
4.50	14.76	46.00	0.10	0.21	50.00	sand to silty sand	50-60	36-38	12	UNDEFINED
4.75	15.58	31.58	0.25	0.78	52.29	silty sand to sandy silt	40-50	34-36	11	UNDEFINED
5.00	16.40	12.02	0.13	1.11	54.59	sandy silt to clayey silt	UNDFND	UNDFD	5	88.7
5.25	17.22	34.09	0.30	0.88	56.89	silty sand to sandy silt	40-50	34-36	11	UNDEFINED
5.50	18.04	103.05	0.39	0.38	59.18	sand	70-80	40-42	21	UNDEFINED
5.75	18.86	78.21	0.40	0.52	61.48	sand to silty sand	60-70	38-40	20	UNDEFINED
6.00	19.69	65.28	0.33	0.50	63.78	sand to silty sand	60-70	38-40	16	UNDEFINED
6.25	20.51	37.15	0.21	0.57	66.07	silty sand to sandy silt	40-50	34-36	12	UNDEFINED
6.50	21.33	37.12	0.17	0.46	68.37	silty sand to sandy silt	40-50	34-36	12	UNDEFINED
6.75	22.15	75.53	0.33	0.43	70.67	sand to silty sand	60-70	38-40	19	UNDEFINED
7.00	22.97	100.59	0.46	0.46	72.96	sand	70-80	40-42	20	UNDEFINED
7.25	23.79	115.49	0.48	0.42	75.26	sand	70-80	40-42	23	UNDEFINED
7.50	24.61	94.61	0.45	0.47	77.56	sand	60-70	38-40	19	UNDEFINED
7.75	25.43	61.54	0.38	0.61	79.85	sand to silty sand	50-60	36-38	15	UNDEFINED
8.00	26.25	64.39	0.37	0.58	82.15	sand to silty sand	50-60	36-38	16	UNDEFINED
8.25	27.07	62.42	0.40	0.63	84.45	sand to silty sand	50-60	36-38	16	UNDEFINED
8.55	28.05	76.56	0.47	0.61	86.97	sand to silty sand	60-70	36-38	19	UNDEFINED
8.80	28.87	56.71	0.43	0.76	89.50	sand to silty sand	50-60	34-36	14	UNDEFINED
9.05	29.69	46.99	0.28	0.60	91.79	sand to silty sand	40-50	32-34	12	UNDEFINED
9.30	30.51	48.62	0.26	0.53	94.09	sand to silty sand	40-50	32-34	12	UNDEFINED
9.55	31.33	73.80	0.29	0.39	96.39	sand to silty sand	50-60	36-38	18	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	(feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.80	32.15	82.81	0.29	0.35	98.68	sand	60-70	36-38	17	UNDEFINED
10.05	32.97	94.07	0.32	0.34	100.98	sand	60-70	36-38	19	UNDEFINED
10.30	33.79	70.99	0.28	0.40	103.28	sand to silty sand	50-60	34-36	18	UNDEFINED
10.55	34.61	53.65	0.19	0.36	105.57	sand to silty sand	40-50	32-34	13	UNDEFINED
10.80	35.43	67.01	0.28	0.41	107.87	sand to silty sand	50-60	34-36	17	UNDEFINED
11.05	36.25	80.61	0.32	0.39	110.17	sand to silty sand	50-60	36-38	20	UNDEFINED
11.30	37.07	74.06	0.27	0.36	112.46	sand to silty sand	50-60	34-36	19	UNDEFINED
11.55	37.89	75.18	0.28	0.37	114.76	sand to silty sand	50-60	34-36	19	UNDEFINED
11.80	38.71	98.53	0.35	0.35	117.06	sand	60-70	36-38	20	UNDEFINED
12.05	39.53	96.30	0.36	0.37	119.35	sand	60-70	36-38	19	UNDEFINED
12.30	40.35	80.78	0.34	0.42	121.65	sand to silty sand	50-60	34-36	20	UNDEFINED
12.55	41.17	93.78	0.35	0.38	123.95	sand	60-70	36-38	19	UNDEFINED
12.80	41.99	122.87	0.39	0.32	126.24	sand	60-70	38-40	25	UNDEFINED
13.05	42.81	91.31	0.72	0.79	128.54	sand to silty sand	60-70	36-38	23	UNDEFINED
13.30	43.64	128.19	0.59	0.46	130.84	sand	70-80	38-40	26	UNDEFINED
13.55	44.46	132.50	0.43	0.33	133.13	sand	70-80	38-40	27	UNDEFINED
13.80	45.28	106.02	0.34	0.32	135.43	sand	60-70	36-38	21	UNDEFINED
14.05	46.10	116.28	0.41	0.36	137.73	sand	60-70	36-38	23	UNDEFINED
14.30	46.92	144.36	0.41	0.28	140.02	sand	70-80	38-40	29	UNDEFINED
14.55	47.74	166.54	0.48	0.29	142.32	sand	70-80	38-40	33	UNDEFINED
14.80	48.56	175.27	0.55	0.31	144.62	sand	70-80	38-40	35	UNDEFINED
15.05	49.38	136.24	0.47	0.34	146.91	sand	70-80	36-38	27	UNDEFINED
15.30	50.20	134.47	0.42	0.31	149.21	sand	70-80	36-38	27	UNDEFINED
15.55	51.02	162.10	0.48	0.29	151.51	sand	70-80	38-40	32	UNDEFINED
15.80	51.84	188.68	0.57	0.30	153.80	sand	70-80	38-40	38	UNDEFINED
16.05	52.66	165.39	0.45	0.27	156.10	sand	70-80	38-40	33	UNDEFINED
16.30	53.48	177.58	0.44	0.25	158.40	sand	70-80	38-40	36	UNDEFINED
16.55	54.30	207.05	0.57	0.27	160.69	gravelly sand to sand	80-90	38-40	35	UNDEFINED
16.80	55.12	201.31	0.50	0.25	162.99	gravelly sand to sand	80-90	38-40	34	UNDEFINED
17.05	55.94	186.52	0.50	0.27	165.29	sand	70-80	38-40	37	UNDEFINED
17.30	56.76	179.99	0.45	0.25	167.58	sand	70-80	38-40	36	UNDEFINED
17.55	57.58	135.29	0.36	0.26	169.88	sand	60-70	36-38	27	UNDEFINED
17.80	58.40	132.28	0.38	0.29	172.18	sand	60-70	36-38	26	UNDEFINED
18.05	59.22	156.60	0.43	0.27	174.47	sand	70-80	36-38	31	UNDEFINED
18.30	60.04	158.76	0.40	0.25	176.77	sand	70-80	36-38	32	UNDEFINED
18.55	60.86	143.13	0.34	0.23	179.07	sand	60-70	36-38	29	UNDEFINED
18.80	61.68	145.41	0.35	0.24	181.36	sand	60-70	36-38	29	UNDEFINED
19.05	62.50	126.24	0.32	0.25	183.66	sand	60-70	34-36	25	UNDEFINED
19.30	63.32	122.50	0.30	0.25	185.96	sand	60-70	34-36	25	UNDEFINED
19.55	64.14	139.81	0.42	0.30	188.25	sand	60-70	36-38	28	UNDEFINED
19.80	64.96	158.10	0.37	0.23	190.55	sand	70-80	36-38	32	UNDEFINED
20.05	65.78	139.23	0.43	0.31	192.85	sand	60-70	36-38	28	UNDEFINED

Dr - All sands (Jamiolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.30	66.60	89.64	0.28	0.31	195.14	sand	50-60	32-34	18	UNDEFINED
20.55	67.42	46.71	0.28	0.61	197.44	sand to silty sand	<40	<30	12	UNDEFINED
20.80	68.24	40.98	0.32	0.78	199.73	silty sand to sandy silt	<40	<30	14	UNDEFINED
21.05	69.06	36.91	0.43	1.16	202.03	silty sand to sandy silt	<40	<30	12	UNDEFINED
21.30	69.88	108.36	0.42	0.38	204.33	sand	50-60	34-36	22	UNDEFINED
21.55	70.70	112.72	0.46	0.40	206.62	sand	60-70	34-36	23	UNDEFINED
21.80	71.52	126.07	0.55	0.44	208.92	sand	60-70	34-36	25	UNDEFINED
22.05	72.34	153.83	0.69	0.45	211.22	sand	60-70	36-38	31	UNDEFINED
22.30	73.16	199.06	0.80	0.40	213.51	sand	70-80	36-38	40	UNDEFINED
22.55	73.98	143.40	0.60	0.42	215.81	sand	60-70	34-36	29	UNDEFINED
22.80	74.80	172.92	0.78	0.45	218.11	sand	70-80	36-38	35	UNDEFINED
23.05	75.62	241.43	0.82	0.34	220.40	gravelly sand to sand	80-90	38-40	40	UNDEFINED
23.30	76.44	193.79	0.70	0.36	222.70	sand	70-80	36-38	39	UNDEFINED
23.55	77.26	111.62	0.43	0.39	225.00	sand	50-60	32-34	22	UNDEFINED
23.80	78.08	76.81	0.50	0.66	227.29	sand to silty sand	40-50	30-32	19	UNDEFINED
24.05	78.90	106.72	0.58	0.54	229.59	sand	50-60	32-34	21	UNDEFINED
24.30	79.72	112.96	0.67	0.59	231.89	sand	50-60	32-34	23	UNDEFINED
24.55	80.54	33.81	0.63	1.86	234.18	sandy silt to clayey silt	UNDFND	UNDFD	14	233.3
24.80	81.36	19.41	0.19	0.97	236.48	sandy silt to clayey silt	UNDFND	UNDFD	8	117.7
25.05	82.19	18.95	0.17	0.89	238.78	sandy silt to clayey silt	UNDFND	UNDFD	8	113.6
25.30	83.01	14.33	0.11	0.77	241.07	sandy silt to clayey silt	UNDFND	UNDFD	6	76.3
25.55	83.83	18.28	0.19	1.06	243.37	sandy silt to clayey silt	UNDFND	UNDFD	7	107.6
25.80	84.65	24.44	0.23	0.95	245.67	silty sand to sandy silt	<40	<30	8	UNDEFINED
26.05	85.47	17.32	0.20	1.17	247.96	sandy silt to clayey silt	UNDFND	UNDFD	7	99.1
26.30	86.29	54.80	0.71	1.29	250.26	silty sand to sandy silt	<40	<30	18	UNDEFINED
26.55	87.11	68.08	0.44	0.65	252.56	sand to silty sand	40-50	<30	17	UNDEFINED
26.80	87.93	98.94	0.72	0.73	254.85	sand to silty sand	50-60	32-34	25	UNDEFINED
27.05	88.75	61.89	0.65	1.05	257.15	sand to silty sand	<40	<30	15	UNDEFINED
27.30	89.57	62.74	0.64	1.03	259.45	sand to silty sand	40-50	<30	16	UNDEFINED
27.55	90.39	49.66	0.52	1.05	261.74	silty sand to sandy silt	<40	<30	17	UNDEFINED
27.80	91.21	60.05	0.68	1.14	264.04	silty sand to sandy silt	<40	<30	20	UNDEFINED
28.05	92.03	109.58	0.70	0.64	266.34	sand	50-60	32-34	22	UNDEFINED
28.30	92.85	62.63	0.68	1.08	268.63	sand to silty sand	<40	<30	16	UNDEFINED
28.55	93.67	32.59	0.54	1.66	270.93	sandy silt to clayey silt	UNDFND	UNDFD	13	217.5
28.80	94.49	24.69	0.28	1.15	273.23	sandy silt to clayey silt	UNDFND	UNDFD	10	153.9
29.05	95.31	19.90	0.29	1.44	275.52	sandy silt to clayey silt	UNDFND	UNDFD	8	115.2
29.30	96.13	14.75	0.22	1.48	277.82	sandy silt to clayey silt	UNDFND	UNDFD	6	73.6
29.55	96.95	66.02	0.60	0.91	280.12	sand to silty sand	40-50	<30	17	UNDEFINED
29.80	97.77	118.43	0.71	0.60	282.41	sand	50-60	32-34	24	UNDEFINED
30.05	98.59	123.64	0.66	0.53	284.71	sand	50-60	32-34	25	UNDEFINED
30.30	99.41	123.22	0.64	0.52	287.01	sand	50-60	32-34	25	UNDEFINED
30.55	100.23	143.99	0.67	0.47	289.30	sand	60-70	32-34	29	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.80	101.05	75.05	1.48	1.97	291.60	silty sand to sandy silt	40-50	<30	25	UNDEFINED
31.05	101.87	94.77	1.58	1.66	293.90	silty sand to sandy silt	50-60	30-32	32	UNDEFINED
31.30	102.69	52.78	1.19	2.25	296.19	sandy silt to clayey silt	UNDFND	UNDFD	21	374.8
31.55	103.51	41.27	1.31	3.18	298.49	clayey silt to silty clay	UNDFND	UNDFD	21	282.4
31.80	104.33	77.93	1.91	2.45	300.79	silty sand to sandy silt	40-50	<30	26	UNDEFINED
32.05	105.15	43.82	1.28	2.92	303.08	sandy silt to clayey silt	UNDFND	UNDFD	18	302.0
32.30	105.97	54.35	1.73	3.19	305.38	sandy silt to clayey silt	UNDFND	UNDFD	22	385.8
32.55	106.79	73.50	2.59	3.52	307.68	sandy silt to clayey silt	UNDFND	UNDFD	29	538.7
32.80	107.61	70.47	2.25	3.19	309.97	sandy silt to clayey silt	UNDFND	UNDFD	28	514.0
33.05	108.43	69.07	0.96	1.38	312.27	silty sand to sandy silt	40-50	<30	23	UNDEFINED
33.30	109.25	34.62	0.46	1.32	314.56	silty sand to sandy silt	<40	<30	12	UNDEFINED
33.55	110.07	40.11	0.46	1.14	316.86	silty sand to sandy silt	<40	<30	13	UNDEFINED
33.80	110.89	18.23	0.20	1.10	319.16	sandy silt to clayey silt	UNDFND	UNDFD	7	94.6
34.05	111.71	27.12	0.40	1.46	321.45	sandy silt to clayey silt	UNDFND	UNDFD	11	165.3
34.30	112.53	23.84	0.34	1.44	323.75	sandy silt to clayey silt	UNDFND	UNDFD	10	138.7
34.55	113.35	19.52	0.21	1.09	326.05	sandy silt to clayey silt	UNDFND	UNDFD	8	103.8
34.80	114.17	21.18	0.25	1.19	328.34	sandy silt to clayey silt	UNDFND	UNDFD	8	116.7
35.05	114.99	20.05	0.28	1.42	330.64	sandy silt to clayey silt	UNDFND	UNDFD	8	107.2
35.30	115.81	23.65	0.25	1.06	332.94	sandy silt to clayey silt	UNDFND	UNDFD	9	135.7
35.55	116.63	41.25	0.47	1.13	335.23	silty sand to sandy silt	<40	<30	14	UNDEFINED
35.80	117.45	26.17	0.39	1.51	337.53	sandy silt to clayey silt	UNDFND	UNDFD	10	155.1
36.05	118.27	18.53	0.13	0.70	339.83	sandy silt to clayey silt	UNDFND	UNDFD	7	93.6
36.30	119.09	21.27	0.44	2.07	342.12	sandy silt to clayey silt	UNDFND	UNDFD	9	115.1
36.55	119.91	22.04	0.23	1.03	344.42	sandy silt to clayey silt	UNDFND	UNDFD	9	120.9
36.80	120.73	16.58	0.14	0.82	346.72	sandy silt to clayey silt	UNDFND	UNDFD	7	76.8
37.05	121.56	27.36	0.43	1.59	349.01	sandy silt to clayey silt	UNDFND	UNDFD	11	162.7
37.30	122.38	25.65	0.44	1.72	351.31	sandy silt to clayey silt	UNDFND	UNDFD	10	148.6
37.55	123.20	17.32	0.19	1.07	353.61	sandy silt to clayey silt	UNDFND	UNDFD	7	81.6
37.80	124.02	23.72	0.45	1.89	355.90	sandy silt to clayey silt	UNDFND	UNDFD	9	132.4
38.05	124.84	17.70	0.12	0.70	358.20	sandy silt to clayey silt	UNDFND	UNDFD	7	83.9
38.30	125.66	21.23	0.33	1.55	360.50	sandy silt to clayey silt	UNDFND	UNDFD	8	111.7
38.55	126.48	16.57	0.16	0.97	362.79	sandy silt to clayey silt	UNDFND	UNDFD	7	74.1
38.80	127.30	19.65	0.25	1.26	365.09	sandy silt to clayey silt	UNDFND	UNDFD	8	98.4
39.05	128.12	19.36	0.29	1.48	367.39	sandy silt to clayey silt	UNDFND	UNDFD	8	95.6
39.30	128.94	18.68	0.26	1.38	369.68	sandy silt to clayey silt	UNDFND	UNDFD	7	89.8
39.55	129.76	20.02	0.23	1.13	371.98	sandy silt to clayey silt	UNDFND	UNDFD	8	100.2
39.80	130.58	20.93	0.25	1.18	374.28	sandy silt to clayey silt	UNDFND	UNDFD	8	107.1
40.05	131.40	21.21	0.23	1.09	376.57	sandy silt to clayey silt	UNDFND	UNDFD	8	109.0
40.30	132.22	24.58	0.41	1.68	378.87	sandy silt to clayey silt	UNDFND	UNDFD	10	135.5
40.55	133.04	20.13	0.27	1.35	381.17	sandy silt to clayey silt	UNDFND	UNDFD	8	99.5
40.80	133.86	18.04	0.17	0.95	383.46	sandy silt to clayey silt	UNDFND	UNDFD	7	82.4
41.05	134.68	17.66	0.14	0.80	385.76	sandy silt to clayey silt	UNDFND	UNDFD	7	79.1

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
41.35	135.66	20.14	0.29	1.42	388.29	sandy silt to clayey silt	UNDFND	UNDFD	8	98.4
41.60	136.48	19.57	0.16	0.80	390.81	sandy silt to clayey silt	UNDFND	UNDFD	8	93.5
41.85	137.30	17.67	0.13	0.72	393.11	sandy silt to clayey silt	UNDFND	UNDFD	7	77.9
42.10	138.12	19.06	0.17	0.90	395.41	sandy silt to clayey silt	UNDFND	UNDFD	8	88.6
42.35	138.94	20.59	0.26	1.27	397.70	sandy silt to clayey silt	UNDFND	UNDFD	8	100.5
42.60	139.76	21.13	0.21	0.97	400.00	sandy silt to clayey silt	UNDFND	UNDFD	8	104.5
42.85	140.58	20.96	0.22	1.06	402.29	sandy silt to clayey silt	UNDFND	UNDFD	8	102.7
43.10	141.40	17.95	0.12	0.66	404.59	sandy silt to clayey silt	UNDFND	UNDFD	7	78.2
43.40	142.39	18.44	0.25	1.34	407.12	sandy silt to clayey silt	UNDFND	UNDFD	7	81.8
43.65	143.21	19.75	0.15	0.77	409.64	sandy silt to clayey silt	UNDFND	UNDFD	8	91.8
43.90	144.03	19.81	0.17	0.85	411.94	sandy silt to clayey silt	UNDFND	UNDFD	8	91.9
44.15	144.85	20.93	0.20	0.97	414.24	sandy silt to clayey silt	UNDFND	UNDFD	8	100.5
44.40	145.67	25.65	0.45	1.75	416.53	sandy silt to clayey silt	UNDFND	UNDFD	10	137.8
44.65	146.49	24.25	0.24	0.99	418.83	silty sand to sandy silt	<40	<30	8	UNDEFINED
44.90	147.31	31.17	0.55	1.75	421.13	sandy silt to clayey silt	UNDFND	UNDFD	12	181.3
45.15	148.13	22.12	0.25	1.12	423.42	sandy silt to clayey silt	UNDFND	UNDFD	9	108.4
45.40	148.95	35.17	0.67	1.91	425.72	sandy silt to clayey silt	UNDFND	UNDFD	14	212.5
45.65	149.77	22.46	0.25	1.10	428.02	sandy silt to clayey silt	UNDFND	UNDFD	9	110.4
45.90	150.59	30.91	0.56	1.82	430.31	sandy silt to clayey silt	UNDFND	UNDFD	12	177.7
46.15	151.41	28.63	0.31	1.09	432.61	silty sand to sandy silt	<40	<30	10	UNDEFINED
46.40	152.23	24.92	0.56	2.25	434.91	sandy silt to clayey silt	UNDFND	UNDFD	10	129.0
46.65	153.05	31.75	0.60	1.89	437.20	sandy silt to clayey silt	UNDFND	UNDFD	13	183.2
46.90	153.87	33.47	0.33	0.99	439.50	silty sand to sandy silt	<40	<30	11	UNDEFINED
47.15	154.69	34.55	0.41	1.18	441.80	silty sand to sandy silt	<40	<30	12	UNDEFINED
47.40	155.51	32.77	0.63	1.92	444.09	sandy silt to clayey silt	UNDFND	UNDFD	13	190.2
47.65	156.33	32.82	0.31	0.96	446.39	silty sand to sandy silt	<40	<30	11	UNDEFINED
47.90	157.15	27.81	0.34	1.21	448.69	silty sand to sandy silt	<40	<30	9	UNDEFINED
48.15	157.97	36.60	0.48	1.30	450.98	silty sand to sandy silt	<40	<30	12	UNDEFINED
48.40	158.79	29.06	0.49	1.69	453.28	sandy silt to clayey silt	UNDFND	UNDFD	12	159.1
48.65	159.61	30.69	0.37	1.22	455.58	silty sand to sandy silt	<40	<30	10	UNDEFINED
48.90	160.43	31.79	0.39	1.23	457.87	silty sand to sandy silt	<40	<30	11	UNDEFINED
49.15	161.25	29.80	0.40	1.34	460.17	silty sand to sandy silt	<40	<30	10	UNDEFINED
49.40	162.07	21.41	0.19	0.91	462.47	sandy silt to clayey silt	UNDFND	UNDFD	9	96.3
49.65	162.89	36.95	0.51	1.37	464.76	silty sand to sandy silt	<40	<30	12	UNDEFINED
49.90	163.71	26.08	0.24	0.94	467.06	silty sand to sandy silt	<40	<30	9	UNDEFINED
50.15	164.53	24.28	0.22	0.90	469.36	silty sand to sandy silt	<40	<30	8	UNDEFINED
50.40	165.35	34.41	0.64	1.87	471.65	sandy silt to clayey silt	UNDFND	UNDFD	14	198.8
50.65	166.17	27.82	0.34	1.23	473.95	silty sand to sandy silt	<40	<30	9	UNDEFINED
50.90	166.99	24.91	0.24	0.95	476.25	silty sand to sandy silt	<40	<30	8	UNDEFINED
51.15	167.81	42.55	0.55	1.28	478.54	silty sand to sandy silt	<40	<30	14	UNDEFINED
51.40	168.64	30.75	0.45	1.47	480.84	sandy silt to clayey silt	UNDFND	UNDFD	12	168.0
51.65	169.46	29.99	0.33	1.11	483.14	silty sand to sandy silt	<40	<30	10	UNDEFINED

Dr - All sands (Janiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
51.90	170.28	38.50	0.34	0.87	485.43	silty sand to sandy silt	<40	<30	13	UNDEFINED
52.15	171.10	36.94	0.55	1.49	487.73	silty sand to sandy silt	<40	<30	12	UNDEFINED
52.40	171.92	41.18	0.64	1.54	490.02	silty sand to sandy silt	<40	<30	14	UNDEFINED
52.65	172.74	34.23	0.41	1.19	492.32	silty sand to sandy silt	<40	<30	11	UNDEFINED
52.90	173.56	55.75	0.77	1.38	494.62	silty sand to sandy silt	<40	<30	19	UNDEFINED
53.15	174.38	32.09	0.36	1.11	496.91	silty sand to sandy silt	<40	<30	11	UNDEFINED
53.40	175.20	47.47	0.63	1.34	499.21	silty sand to sandy silt	<40	<30	16	UNDEFINED
53.65	176.02	46.60	0.64	1.37	501.51	silty sand to sandy silt	<40	<30	16	UNDEFINED
53.90	176.84	34.51	0.44	1.27	503.80	silty sand to sandy silt	<40	<30	12	UNDEFINED
54.15	177.66	27.81	0.38	1.38	506.10	sandy silt to clayey silt	UNDFND	UNDFD	11	140.3
54.40	178.48	80.36	0.85	1.05	508.40	sand to silty sand	<40	<30	20	UNDEFINED
54.65	179.30	37.92	0.62	1.63	510.69	silty sand to sandy silt	<40	<30	13	UNDEFINED
54.90	180.12	47.71	0.77	1.61	512.99	silty sand to sandy silt	<40	<30	16	UNDEFINED
55.15	180.94	24.67	0.33	1.33	515.29	sandy silt to clayey silt	UNDFND	UNDFD	10	113.7
55.40	181.76	48.36	0.86	1.77	517.58	silty sand to sandy silt	<40	<30	16	UNDEFINED
55.65	182.58	46.78	0.97	2.07	519.88	sandy silt to clayey silt	UNDFND	UNDFD	19	289.8
55.90	183.40	44.90	0.59	1.32	522.18	silty sand to sandy silt	<40	<30	15	UNDEFINED
56.15	184.22	29.90	0.40	1.33	524.47	silty sand to sandy silt	<40	<30	10	UNDEFINED
56.40	185.04	75.79	0.93	1.23	526.77	sand to silty sand	<40	<30	19	UNDEFINED
56.65	185.86	38.73	0.70	1.81	529.07	sandy silt to clayey silt	UNDFND	UNDFD	15	223.9
56.90	186.68	54.05	1.14	2.12	531.36	sandy silt to clayey silt	UNDFND	UNDFD	22	346.1
57.15	187.50	30.99	0.74	2.39	533.66	sandy silt to clayey silt	UNDFND	UNDFD	12	161.2
57.40	188.32	86.76	1.05	1.21	535.96	sand to silty sand	<40	<30	22	UNDEFINED
57.65	189.14	44.79	0.52	1.16	538.25	silty sand to sandy silt	<40	<30	15	UNDEFINED
57.90	189.96	79.24	1.27	1.60	540.55	silty sand to sandy silt	<40	<30	26	UNDEFINED
58.15	190.78	89.52	1.14	1.28	542.85	sand to silty sand	<40	<30	22	UNDEFINED
58.40	191.60	93.68	1.12	1.19	545.14	sand to silty sand	40-50	<30	23	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : NO.4/WESTMIN
 HOLE : 94-112 SCPT-15 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 03:03:94 08:40
 CONE : 10 TON AD-013
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	8.71	0.33	3.84	2.37	clay	UNDFND	UNDFD	9	69.4
0.50	1.64	7.58	0.36	4.77	7.12	clay	UNDFND	UNDFD	8	60.0
0.75	2.46	13.22	0.60	4.54	11.87	clay	UNDFND	UNDFD	13	104.7
1.00	3.28	11.07	0.46	4.16	16.62	clay	UNDFND	UNDFD	11	87.2
1.25	4.10	18.66	0.63	3.38	20.14	clayey silt to silty clay	UNDFND	UNDFD	9	147.5
1.50	4.92	5.96	0.12	2.08	22.44	silty clay to clay	UNDFND	UNDFD	4	45.5
1.75	5.74	3.92	0.04	1.12	24.73	sensitive fine grained	UNDFND	UNDFD	2	28.8
2.00	6.56	3.92	0.03	0.66	27.03	sensitive fine grained	UNDFND	UNDFD	2	28.5
2.25	7.38	3.58	0.02	0.56	29.33	sensitive fine grained	UNDFND	UNDFD	2	25.3
2.50	8.20	3.47	0.02	0.58	31.62	sensitive fine grained	UNDFND	UNDFD	2	24.1
2.75	9.02	4.17	0.02	0.48	33.92	sensitive fine grained	UNDFND	UNDFD	2	29.3
3.00	9.84	4.78	0.03	0.59	36.22	sensitive fine grained	UNDFND	UNDFD	2	33.9
3.25	10.66	8.31	0.13	1.59	38.51	clayey silt to silty clay	UNDFND	UNDFD	4	61.7
3.50	11.48	5.67	0.05	0.85	40.81	sensitive fine grained	UNDFND	UNDFD	3	40.1
3.75	12.30	7.14	0.10	1.35	43.11	clayey silt to silty clay	UNDFND	UNDFD	4	51.5
4.00	13.12	19.13	0.16	0.82	45.40	sandy silt to clayey silt	UNDFND	UNDFD	8	147.1
4.25	13.94	20.54	0.16	0.78	47.70	silty sand to sandy silt	<40	32-34	7	UNDEFINED
4.50	14.76	17.54	0.08	0.48	50.00	silty sand to sandy silt	<40	30-32	6	UNDEFINED
4.75	15.58	7.72	0.07	0.93	52.29	sensitive fine grained	UNDFND	UNDFD	4	54.7
5.00	16.40	7.19	0.09	1.31	54.59	clayey silt to silty clay	UNDFND	UNDFD	4	50.1
5.25	17.22	23.02	0.13	0.56	56.89	silty sand to sandy silt	<40	32-34	8	UNDEFINED
5.50	18.04	22.61	0.17	0.73	59.18	silty sand to sandy silt	<40	30-32	8	UNDEFINED
5.75	18.86	52.21	0.34	0.65	61.48	sand to silty sand	50-60	36-38	13	UNDEFINED
6.00	19.69	112.60	0.47	0.41	63.78	sand	70-80	40-42	23	UNDEFINED
6.25	20.51	149.55	0.61	0.41	66.07	sand	80-90	42-44	30	UNDEFINED
6.50	21.33	129.63	0.58	0.45	68.37	sand	80-90	40-42	26	UNDEFINED
6.75	22.15	79.11	0.38	0.48	70.67	sand to silty sand	60-70	38-40	20	UNDEFINED
7.00	22.97	36.82	0.26	0.70	72.96	silty sand to sandy silt	40-50	32-34	12	UNDEFINED
7.25	23.79	51.84	0.25	0.49	75.26	sand to silty sand	50-60	34-36	13	UNDEFINED
7.50	24.61	75.62	0.43	0.57	77.56	sand to silty sand	60-70	38-40	19	UNDEFINED
7.75	25.43	69.19	0.38	0.55	79.85	sand to silty sand	50-60	36-38	17	UNDEFINED
8.00	26.25	61.57	0.32	0.52	82.15	sand to silty sand	50-60	36-38	15	UNDEFINED
8.25	27.07	47.61	0.22	0.47	84.45	sand to silty sand	40-50	34-36	12	UNDEFINED
8.50	27.89	43.44	0.16	0.37	86.74	sand to silty sand	40-50	32-34	11	UNDEFINED
8.75	28.71	77.58	0.24	0.31	89.04	sand to silty sand	60-70	36-38	19	UNDEFINED
9.00	29.53	98.23	0.41	0.42	91.34	sand	60-70	38-40	20	UNDEFINED
9.25	30.35	99.38	0.41	0.41	93.63	sand	60-70	38-40	20	UNDEFINED
9.50	31.17	102.73	0.42	0.41	95.93	sand	60-70	38-40	21	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	117.93	0.47	0.40	98.23	sand	70-80	38-40	24	UNDEFINED
10.00	32.81	82.05	0.35	0.42	100.52	sand to silty sand	60-70	36-38	21	UNDEFINED
10.25	33.63	68.11	0.28	0.42	102.82	sand to silty sand	50-60	34-36	17	UNDEFINED
10.50	34.45	75.12	0.35	0.47	105.11	sand to silty sand	50-60	36-38	19	UNDEFINED
10.75	35.27	128.74	0.63	0.49	107.41	sand	70-80	38-40	26	UNDEFINED
11.00	36.09	126.40	0.59	0.47	109.71	sand	70-80	38-40	25	UNDEFINED
11.25	36.91	115.21	0.47	0.40	112.00	sand	60-70	38-40	23	UNDEFINED
11.50	37.73	94.09	0.44	0.47	114.30	sand	60-70	36-38	19	UNDEFINED
11.75	38.55	113.35	0.52	0.46	116.60	sand	60-70	38-40	23	UNDEFINED
12.00	39.37	97.10	0.41	0.42	118.89	sand	60-70	36-38	19	UNDEFINED
12.25	40.19	84.24	0.43	0.51	121.19	sand to silty sand	50-60	34-36	21	UNDEFINED
12.50	41.01	80.96	0.35	0.43	123.49	sand to silty sand	50-60	34-36	20	UNDEFINED
12.75	41.83	100.95	0.46	0.46	125.78	sand	60-70	36-38	20	UNDEFINED
13.00	42.65	108.19	0.49	0.45	128.08	sand	60-70	36-38	22	UNDEFINED
13.25	43.47	126.98	0.54	0.43	130.38	sand	70-80	38-40	25	UNDEFINED
13.50	44.29	138.77	0.59	0.43	132.67	sand	70-80	38-40	28	UNDEFINED
13.75	45.11	124.46	0.56	0.45	134.97	sand	60-70	36-38	25	UNDEFINED
14.00	45.93	135.11	0.52	0.39	137.27	sand	70-80	38-40	27	UNDEFINED
14.25	46.75	130.79	0.46	0.35	139.56	sand	70-80	36-38	26	UNDEFINED
14.50	47.57	128.21	0.49	0.39	141.86	sand	60-70	36-38	26	UNDEFINED
14.75	48.39	136.38	0.52	0.38	144.16	sand	70-80	36-38	27	UNDEFINED
15.00	49.21	157.71	0.63	0.40	146.45	sand	70-80	38-40	32	UNDEFINED
15.25	50.03	166.80	0.62	0.37	148.75	sand	70-80	38-40	33	UNDEFINED
15.50	50.85	163.38	0.54	0.33	151.05	sand	70-80	38-40	33	UNDEFINED
15.75	51.67	140.08	0.45	0.32	153.34	sand	70-80	36-38	28	UNDEFINED
16.00	52.49	174.44	0.61	0.35	155.64	sand	70-80	38-40	35	UNDEFINED
16.25	53.31	125.16	0.32	0.26	157.94	sand	60-70	36-38	25	UNDEFINED
16.50	54.13	100.01	0.27	0.27	160.23	sand	60-70	34-36	20	UNDEFINED
16.75	54.95	94.00	0.28	0.29	162.53	sand	50-60	34-36	19	UNDEFINED
17.00	55.77	128.52	0.42	0.33	164.83	sand	60-70	36-38	26	UNDEFINED
17.25	56.59	159.75	0.55	0.35	167.12	sand	70-80	36-38	32	UNDEFINED
17.50	57.41	155.91	0.50	0.32	169.42	sand	70-80	36-38	31	UNDEFINED
17.75	58.23	116.42	0.41	0.35	171.72	sand	60-70	34-36	23	UNDEFINED
18.00	59.06	105.35	0.59	0.56	174.01	sand	60-70	34-36	21	UNDEFINED
18.25	59.88	120.45	0.44	0.37	176.31	sand	60-70	34-36	24	UNDEFINED
18.50	60.70	153.76	0.58	0.38	178.61	sand	70-80	36-38	31	UNDEFINED
18.75	61.52	146.54	0.46	0.32	180.90	sand	60-70	36-38	29	UNDEFINED
19.00	62.34	115.09	0.35	0.30	183.20	sand	60-70	34-36	23	UNDEFINED
19.25	63.16	130.73	0.38	0.29	185.50	sand	60-70	36-38	26	UNDEFINED
19.50	63.98	185.92	0.53	0.29	187.79	sand	70-80	38-40	37	UNDEFINED
19.75	64.80	203.40	0.57	0.28	190.09	sand	70-80	38-40	41	UNDEFINED
20.00	65.62	158.50	0.44	0.28	192.39	sand	70-80	36-38	32	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	(feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	121.55	0.35	0.29	194.68	sand	60-70	34-36	24	UNDEFINED
20.50	67.26	140.96	0.33	0.24	196.98	sand	60-70	36-38	28	UNDEFINED
20.75	68.08	138.64	0.49	0.35	199.28	sand	60-70	34-36	28	UNDEFINED
21.00	68.90	112.19	0.37	0.33	201.57	sand	60-70	34-36	22	UNDEFINED
21.25	69.72	104.22	0.31	0.30	203.87	sand	50-60	32-34	21	UNDEFINED
21.50	70.54	96.75	0.29	0.30	206.17	sand	50-60	32-34	19	UNDEFINED
21.75	71.36	125.47	0.34	0.27	208.46	sand	60-70	34-36	25	UNDEFINED
22.00	72.18	115.55	0.38	0.33	210.76	sand	60-70	34-36	23	UNDEFINED
22.25	73.00	141.06	0.65	0.46	213.06	sand	60-70	34-36	28	UNDEFINED
22.50	73.82	141.15	0.72	0.51	215.35	sand	60-70	34-36	28	UNDEFINED
22.75	74.64	136.65	0.50	0.36	217.65	sand	60-70	34-36	27	UNDEFINED
23.00	75.46	141.90	0.54	0.38	219.94	sand	60-70	34-36	28	UNDEFINED
23.25	76.28	113.02	0.37	0.32	222.24	sand	50-60	32-34	23	UNDEFINED
23.50	77.10	115.35	0.34	0.30	224.54	sand	50-60	32-34	23	UNDEFINED
23.75	77.92	119.34	0.38	0.32	226.83	sand	60-70	34-36	24	UNDEFINED
24.00	78.74	111.83	0.37	0.33	229.13	sand	50-60	32-34	22	UNDEFINED
24.25	79.56	122.83	0.38	0.31	231.43	sand	60-70	34-36	25	UNDEFINED
24.50	80.38	109.12	0.61	0.56	233.72	sand	50-60	32-34	22	UNDEFINED
24.75	81.20	31.50	0.40	1.27	236.02	silty sand to sandy silt	<40	<30	10	UNDEFINED
25.00	82.02	27.53	0.22	0.81	238.32	silty sand to sandy silt	<40	<30	9	UNDEFINED
25.25	82.84	23.37	0.28	1.21	240.61	sandy silt to clayey silt	UNDFND	UNDFD	9	148.7
25.50	83.66	26.74	0.34	1.26	242.91	sandy silt to clayey silt	UNDFND	UNDFD	11	175.3
25.75	84.48	25.61	0.21	0.81	245.21	silty sand to sandy silt	<40	<30	9	UNDEFINED
26.00	85.30	16.94	0.10	0.59	247.50	sandy silt to clayey silt	UNDFND	UNDFD	7	96.2
26.25	86.12	18.21	0.22	1.21	249.80	sandy silt to clayey silt	UNDFND	UNDFD	7	105.9
26.50	86.94	16.61	0.12	0.73	252.10	sandy silt to clayey silt	UNDFND	UNDFD	7	92.7
26.75	87.76	15.21	0.09	0.59	254.39	sandy silt to clayey silt	UNDFND	UNDFD	6	81.1
27.00	88.58	15.21	0.09	0.62	256.69	sandy silt to clayey silt	UNDFND	UNDFD	6	80.8
27.25	89.40	16.43	0.13	0.78	258.99	sandy silt to clayey silt	UNDFND	UNDFD	7	90.2
27.50	90.22	13.88	0.06	0.46	261.28	sandy silt to clayey silt	UNDFND	UNDFD	6	69.4
27.75	91.04	13.60	0.09	0.65	263.58	sandy silt to clayey silt	UNDFND	UNDFD	5	66.8
28.00	91.86	49.16	0.64	1.29	265.88	silty sand to sandy silt	<40	<30	16	UNDEFINED
28.25	92.68	32.14	0.38	1.18	268.17	silty sand to sandy silt	<40	<30	11	UNDEFINED
28.50	93.50	77.67	0.62	0.80	270.47	sand to silty sand	40-50	<30	19	UNDEFINED
28.75	94.32	48.22	0.69	1.42	272.77	silty sand to sandy silt	<40	<30	16	UNDEFINED
29.00	95.14	22.44	0.32	1.41	275.06	sandy silt to clayey silt	UNDFND	UNDFD	9	135.6
29.25	95.96	29.61	0.35	1.18	277.36	silty sand to sandy silt	<40	<30	10	UNDEFINED
29.50	96.78	29.80	0.57	1.90	279.66	sandy silt to clayey silt	UNDFND	UNDFD	12	193.7
29.75	97.60	19.01	0.21	1.12	281.95	sandy silt to clayey silt	UNDFND	UNDFD	8	107.0
30.00	98.43	22.17	0.30	1.34	284.25	sandy silt to clayey silt	UNDFND	UNDFD	9	131.9
30.25	99.25	31.57	0.46	1.44	286.55	silty sand to sandy silt	<40	<30	11	UNDEFINED
30.50	100.07	65.51	0.58	0.89	288.84	sand to silty sand	<40	<30	16	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (Z)	PHI deg.	SPT N	Su kPa
30.75	100.89	23.38	0.44	1.89	291.14	sandy silt to clayey silt	UNDFND	UNDFD	9	140.5
31.00	101.71	57.80	0.56	0.97	293.44	sand to silty sand	<40	<30	14	UNDEFINED
31.25	102.53	26.42	0.52	1.97	295.73	sandy silt to clayey silt	UNDFND	UNDFD	11	164.0
31.50	103.35	24.84	0.40	1.60	298.03	sandy silt to clayey silt	UNDFND	UNDFD	10	151.0
31.75	104.17	15.08	0.12	0.81	300.33	sandy silt to clayey silt	UNDFND	UNDFD	6	72.5
32.00	104.99	33.84	0.50	1.48	302.62	silty sand to sandy silt	<40	<30	11	UNDEFINED
32.25	105.81	16.57	0.16	0.94	304.92	sandy silt to clayey silt	UNDFND	UNDFD	7	83.7
32.50	106.63	28.03	0.40	1.43	307.22	sandy silt to clayey silt	UNDFND	UNDFD	11	175.0
32.75	107.45	15.95	0.20	1.23	309.51	sandy silt to clayey silt	UNDFND	UNDFD	6	78.0
33.00	108.27	35.52	0.53	1.50	311.81	silty sand to sandy silt	<40	<30	12	UNDEFINED
33.25	109.09	16.71	0.20	1.22	314.11	sandy silt to clayey silt	UNDFND	UNDFD	7	83.3
33.50	109.91	14.97	0.13	0.87	316.40	sandy silt to clayey silt	UNDFND	UNDFD	6	69.0
33.75	110.73	37.35	0.47	1.25	318.70	silty sand to sandy silt	<40	<30	12	UNDEFINED
34.00	111.55	20.17	0.32	1.58	321.00	sandy silt to clayey silt	UNDFND	UNDFD	8	109.8
34.25	112.37	15.73	0.20	1.30	323.29	sandy silt to clayey silt	UNDFND	UNDFD	6	73.9
34.50	113.19	29.40	0.43	1.47	325.59	sandy silt to clayey silt	UNDFND	UNDFD	12	182.9
34.75	114.01	16.63	0.15	0.88	327.89	sandy silt to clayey silt	UNDFND	UNDFD	7	80.3
35.00	114.83	15.98	0.16	1.03	330.18	sandy silt to clayey silt	UNDFND	UNDFD	6	74.8
35.25	115.65	42.35	0.54	1.27	332.48	silty sand to sandy silt	<40	<30	14	UNDEFINED
35.50	116.47	24.47	0.30	1.23	334.77	sandy silt to clayey silt	UNDFND	UNDFD	10	142.0
35.75	117.29	21.74	0.28	1.27	337.07	sandy silt to clayey silt	UNDFND	UNDFD	9	119.7
36.00	118.11	20.43	0.25	1.23	339.37	sandy silt to clayey silt	UNDFND	UNDFD	8	108.9
36.25	118.93	19.85	0.32	1.59	341.66	sandy silt to clayey silt	UNDFND	UNDFD	8	103.8
36.50	119.75	42.87	0.77	1.79	343.96	silty sand to sandy silt	<40	<30	14	UNDEFINED
36.75	120.57	40.02	0.50	1.26	346.26	silty sand to sandy silt	<40	<30	13	UNDEFINED
37.00	121.39	61.25	1.04	1.70	348.55	silty sand to sandy silt	<40	<30	20	UNDEFINED
37.25	122.21	67.11	0.88	1.31	350.85	silty sand to sandy silt	<40	<30	22	UNDEFINED
37.50	123.03	26.50	0.37	1.40	353.15	sandy silt to clayey silt	UNDFND	UNDFD	11	155.1
37.75	123.85	19.48	0.20	1.04	355.44	sandy silt to clayey silt	UNDFND	UNDFD	8	98.6
38.00	124.67	22.84	0.22	0.95	357.74	silty sand to sandy silt	<40	<30	8	UNDEFINED
38.25	125.49	21.01	0.31	1.48	360.04	sandy silt to clayey silt	UNDFND	UNDFD	8	110.1
38.50	126.31	19.47	0.16	0.83	362.33	sandy silt to clayey silt	UNDFND	UNDFD	8	97.3
38.75	127.13	19.99	0.17	0.85	364.63	sandy silt to clayey silt	UNDFND	UNDFD	8	101.1
39.00	127.95	19.70	0.18	0.92	366.93	sandy silt to clayey silt	UNDFND	UNDFD	8	98.5
39.25	128.77	18.91	0.23	1.23	369.22	sandy silt to clayey silt	UNDFND	UNDFD	8	91.8
39.50	129.59	19.83	0.16	0.83	371.52	sandy silt to clayey silt	UNDFND	UNDFD	8	98.8
39.75	130.41	17.84	0.12	0.68	373.82	sandy silt to clayey silt	UNDFND	UNDFD	7	82.4
40.00	131.23	18.17	0.11	0.61	376.11	sandy silt to clayey silt	UNDFND	UNDFD	7	84.7
40.25	132.05	17.79	0.23	1.28	378.41	sandy silt to clayey silt	UNDFND	UNDFD	7	81.3
40.50	132.87	22.64	0.21	0.91	380.71	silty sand to sandy silt	<40	<30	8	UNDEFINED
40.75	133.69	21.53	0.18	0.85	383.00	silty sand to sandy silt	<40	<30	7	UNDEFINED
41.00	134.51	20.55	0.20	0.96	385.30	sandy silt to clayey silt	UNDFND	UNDFD	8	102.2

Dr - All sands (Janiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
41.25	135.33	19.74	0.24	1.20	387.60	sandy silt to clayey silt	UNDFND	UNDFD	8	95.3
41.50	136.15	23.97	0.28	1.16	389.89	sandy silt to clayey silt	UNDFND	UNDFD	10	128.8
41.75	136.98	21.45	0.25	1.17	392.19	sandy silt to clayey silt	UNDFND	UNDFD	9	108.3
42.00	137.80	28.17	0.53	1.89	394.49	sandy silt to clayey silt	UNDFND	UNDFD	11	161.7
42.25	138.62	21.01	0.34	1.61	396.78	sandy silt to clayey silt	UNDFND	UNDFD	8	104.0
42.50	139.44	37.90	0.45	1.19	399.08	silty sand to sandy silt	<40	<30	13	UNDEFINED
42.75	140.26	21.79	0.22	0.99	401.38	sandy silt to clayey silt	UNDFND	UNDFD	9	109.5
43.00	141.08	31.83	0.44	1.37	403.67	silty sand to sandy silt	<40	<30	11	UNDEFINED
43.25	141.90	22.12	0.29	1.32	405.97	sandy silt to clayey silt	UNDFND	UNDFD	9	111.4
43.50	142.72	21.63	0.26	1.22	408.27	sandy silt to clayey silt	UNDFND	UNDFD	9	107.1
43.75	143.54	28.19	0.33	1.16	410.56	silty sand to sandy silt	<40	<30	9	UNDEFINED
44.00	144.36	19.66	0.18	0.94	412.86	sandy silt to clayey silt	UNDFND	UNDFD	8	90.5
44.25	145.18	24.95	0.34	1.35	415.16	sandy silt to clayey silt	UNDFND	UNDFD	10	132.5
44.50	146.00	22.13	0.22	0.99	417.45	sandy silt to clayey silt	UNDFND	UNDFD	9	109.5
44.75	146.82	24.36	0.25	1.03	419.75	silty sand to sandy silt	<40	<30	8	UNDEFINED
45.00	147.64	20.84	0.20	0.95	422.05	sandy silt to clayey silt	UNDFND	UNDFD	8	98.4
45.25	148.46	26.95	0.38	1.43	424.34	sandy silt to clayey silt	UNDFND	UNDFD	11	146.9
45.50	149.28	22.92	0.19	0.85	426.64	silty sand to sandy silt	<40	<30	8	UNDEFINED
45.75	150.10	33.51	0.32	0.97	428.94	silty sand to sandy silt	<40	<30	11	UNDEFINED
46.00	150.92	23.02	0.26	1.15	431.23	sandy silt to clayey silt	UNDFND	UNDFD	9	114.3
46.25	151.74	28.32	0.38	1.33	433.53	sandy silt to clayey silt	UNDFND	UNDFD	11	156.4
46.50	152.56	32.86	0.49	1.48	435.83	silty sand to sandy silt	<40	<30	11	UNDEFINED
46.75	153.38	27.39	0.27	0.97	438.12	silty sand to sandy silt	<40	<30	9	UNDEFINED
47.00	154.20	27.29	0.29	1.08	440.42	silty sand to sandy silt	<40	<30	9	UNDEFINED
47.25	155.02	23.51	0.31	1.32	442.72	sandy silt to clayey silt	UNDFND	UNDFD	9	116.4
47.50	155.84	43.54	0.54	1.24	445.01	silty sand to sandy silt	<40	<30	15	UNDEFINED
47.75	156.66	29.59	0.37	1.26	447.31	silty sand to sandy silt	<40	<30	10	UNDEFINED
48.00	157.48	27.78	0.28	1.00	449.60	silty sand to sandy silt	<40	<30	9	UNDEFINED
48.25	158.30	20.81	0.35	1.70	451.90	sandy silt to clayey silt	UNDFND	UNDFD	8	93.3
48.50	159.12	41.19	0.43	1.04	454.20	silty sand to sandy silt	<40	<30	14	UNDEFINED
48.75	159.94	23.36	0.27	1.17	456.49	sandy silt to clayey silt	UNDFND	UNDFD	9	113.0
49.00	160.76	22.71	0.20	0.88	458.79	silty sand to sandy silt	<40	<30	8	UNDEFINED
49.25	161.58	26.52	0.32	1.21	461.09	silty sand to sandy silt	<40	<30	9	UNDEFINED
49.50	162.40	33.30	0.44	1.33	463.38	silty sand to sandy silt	<40	<30	11	UNDEFINED
49.75	163.22	24.07	0.24	0.99	465.68	silty sand to sandy silt	<40	<30	8	UNDEFINED
50.00	164.04	40.30	0.61	1.51	467.98	silty sand to sandy silt	<40	<30	13	UNDEFINED
50.25	164.86	23.35	0.34	1.45	470.27	sandy silt to clayey silt	UNDFND	UNDFD	9	110.6
50.50	165.68	30.98	0.34	1.10	472.57	silty sand to sandy silt	<40	<30	10	UNDEFINED
50.75	166.50	50.80	0.83	1.64	474.87	silty sand to sandy silt	<40	<30	17	UNDEFINED
51.00	167.32	36.14	0.55	1.53	477.16	silty sand to sandy silt	<40	<30	12	UNDEFINED
51.25	168.14	38.90	0.70	1.79	479.46	sandy silt to clayey silt	UNDFND	UNDFD	16	233.5
51.50	168.96	42.74	0.56	1.30	481.76	silty sand to sandy silt	<40	<30	14	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
51.75	169.78	32.08	0.33	1.04	484.05	silty sand to sandy silt	<40	<30	11	UNDEFINED
52.00	170.60	39.94	0.52	1.31	486.35	silty sand to sandy silt	<40	<30	13	UNDEFINED
52.25	171.42	30.02	0.48	1.59	488.65	sandy silt to clayey silt	UNDFND	UNDFD	12	160.8
52.50	172.24	59.12	0.61	1.03	490.94	sand to silty sand	<40	<30	15	UNDEFINED
52.75	173.06	45.73	0.67	1.47	493.24	silty sand to sandy silt	<40	<30	15	UNDEFINED
53.00	173.88	33.50	0.42	1.24	495.54	silty sand to sandy silt	<40	<30	11	UNDEFINED
53.25	174.70	25.95	0.54	2.09	497.83	sandy silt to clayey silt	UNDFND	UNDFD	10	126.8
53.50	175.52	54.13	0.71	1.31	500.13	silty sand to sandy silt	<40	<30	18	UNDEFINED
53.75	176.35	24.52	0.26	1.06	502.43	silty sand to sandy silt	<40	<30	8	UNDEFINED
54.00	177.17	25.55	0.30	1.19	504.72	sandy silt to clayey silt	UNDFND	UNDFD	10	122.4
54.25	177.99	40.30	0.58	1.44	507.02	silty sand to sandy silt	<40	<30	13	UNDEFINED
54.50	178.81	24.76	0.55	2.21	509.32	sandy silt to clayey silt	UNDFND	UNDFD	10	115.3
54.75	179.63	28.30	0.37	1.29	511.61	silty sand to sandy silt	<40	<30	9	UNDEFINED
55.00	180.45	64.07	0.83	1.30	513.91	silty sand to sandy silt	<40	<30	21	UNDEFINED
55.25	181.27	33.90	0.62	1.83	516.21	sandy silt to clayey silt	UNDFND	UNDFD	14	187.3
55.50	182.09	31.69	0.43	1.36	518.50	silty sand to sandy silt	<40	<30	11	UNDEFINED
55.75	182.91	51.14	0.74	1.45	520.80	silty sand to sandy silt	<40	<30	17	UNDEFINED
56.00	183.73	32.56	0.40	1.24	523.10	silty sand to sandy silt	<40	<30	11	UNDEFINED
56.25	184.55	27.93	0.55	1.96	525.39	sandy silt to clayey silt	UNDFND	UNDFD	11	138.1
56.50	185.37	53.69	0.95	1.76	527.69	silty sand to sandy silt	<40	<30	18	UNDEFINED
56.75	186.19	51.85	0.80	1.54	529.99	silty sand to sandy silt	<40	<30	17	UNDEFINED
57.00	187.01	28.64	0.51	1.77	532.28	sandy silt to clayey silt	UNDFND	UNDFD	11	142.6
57.25	187.83	51.78	0.77	1.48	534.58	silty sand to sandy silt	<40	<30	17	UNDEFINED
57.50	188.65	26.56	0.45	1.70	536.88	sandy silt to clayey silt	UNDFND	UNDFD	11	125.2
57.75	189.47	53.14	0.82	1.55	539.17	silty sand to sandy silt	<40	<30	18	UNDEFINED
58.00	190.29	29.88	0.50	1.66	541.47	sandy silt to clayey silt	UNDFND	UNDFD	12	151.0
58.25	191.11	32.66	0.33	1.02	543.77	silty sand to sandy silt	<40	<30	11	UNDEFINED
58.50	191.93	47.16	0.95	2.01	546.06	sandy silt to clayey silt	UNDFND	UNDFD	19	288.5
58.75	192.75	24.60	0.29	1.19	548.36	sandy silt to clayey silt	UNDFND	UNDFD	10	107.6
59.00	193.57	50.31	0.63	1.26	550.66	silty sand to sandy silt	<40	<30	17	UNDEFINED
59.25	194.39	26.82	0.32	1.19	552.95	silty sand to sandy silt	<40	<30	9	UNDEFINED
59.50	195.21	33.73	0.58	1.73	555.25	sandy silt to clayey silt	UNDFND	UNDFD	13	179.6
59.75	196.03	34.96	0.49	1.40	557.54	silty sand to sandy silt	<40	<30	12	UNDEFINED
60.00	196.85	50.04	0.51	1.02	559.84	silty sand to sandy silt	<40	<30	17	UNDEFINED
60.25	197.67	40.25	0.69	1.71	562.14	silty sand to sandy silt	<40	<30	13	UNDEFINED
60.50	198.49	50.83	0.75	1.48	564.43	silty sand to sandy silt	<40	<30	17	UNDEFINED
60.75	199.31	39.34	0.58	1.47	566.73	silty sand to sandy silt	<40	<30	13	UNDEFINED
61.00	200.13	28.00	0.36	1.29	569.03	silty sand to sandy silt	<40	<30	9	UNDEFINED
61.25	200.95	29.05	0.32	1.12	571.32	silty sand to sandy silt	<40	<30	10	UNDEFINED
61.50	201.77	25.82	0.34	1.32	573.62	sandy silt to clayey silt	UNDFND	UNDFD	10	113.3
61.75	202.59	35.74	0.58	1.62	575.92	silty sand to sandy silt	<40	<30	12	UNDEFINED
62.00	203.41	24.59	0.21	0.85	578.21	silty sand to sandy silt	<40	<30	8	UNDEFINED

Dr - All sands (Janiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

*** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ***

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
62.25	204.23	32.42	0.48	1.49	580.51	silty sand to sandy silt	<40	<30	11	UNDEFINED
62.50	205.05	28.96	0.32	1.09	582.81	silty sand to sandy silt	<40	<30	10	UNDEFINED
62.75	205.87	59.64	1.00	1.67	585.10	silty sand to sandy silt	<40	<30	20	UNDEFINED
63.00	206.69	33.83	0.60	1.76	587.40	sandy silt to clayey silt	UNDFND	UNDFD	14	175.0
63.25	207.51	26.23	0.34	1.31	589.70	sandy silt to clayey silt	UNDFND	UNDFD	10	113.8
63.50	208.33	34.16	0.52	1.51	591.99	silty sand to sandy silt	<40	<30	11	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTRI (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : NO.4/WESTMIN10 T
 HOLE : SCPT-16 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 03:03:94 14:34
 CONE : ON AD 066-94-112
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	20.14	0.07	0.36	2.37	silty sand to sandy silt	70-80	>48	7	UNDEFINED
0.50	1.64	9.59	0.18	1.83	7.12	clayey silt to silty clay	UNDFND	UNDFD	5	76.1
0.75	2.46	6.82	0.22	3.25	11.87	clay	UNDFND	UNDFD	7	53.6
1.00	3.28	4.96	0.16	3.18	16.62	clay	UNDFND	UNDFD	5	38.3
1.25	4.10	4.36	0.11	2.52	20.14	clay	UNDFND	UNDFD	4	33.2
1.50	4.92	4.40	0.06	1.27	22.44	sensitive fine grained	UNDFND	UNDFD	2	33.1
1.75	5.74	4.22	0.04	0.95	24.73	sensitive fine grained	UNDFND	UNDFD	2	31.3
2.00	6.56	4.20	0.04	0.86	27.03	sensitive fine grained	UNDFND	UNDFD	2	30.7
2.25	7.38	4.27	0.04	0.94	29.33	sensitive fine grained	UNDFND	UNDFD	2	30.9
2.50	8.20	4.01	0.03	0.75	31.62	sensitive fine grained	UNDFND	UNDFD	2	28.5
2.75	9.02	4.20	0.03	0.71	33.92	sensitive fine grained	UNDFND	UNDFD	2	29.5
3.00	9.84	4.42	0.03	0.72	36.22	sensitive fine grained	UNDFND	UNDFD	2	30.9
3.25	10.66	4.84	0.03	0.66	38.51	sensitive fine grained	UNDFND	UNDFD	2	33.9
3.50	11.48	5.54	0.03	0.54	40.81	sensitive fine grained	UNDFND	UNDFD	3	39.2
3.75	12.30	25.90	0.04	0.17	43.11	silty sand to sandy silt	40-50	34-36	9	UNDEFINED
4.00	13.12	26.60	0.06	0.23	45.40	silty sand to sandy silt	40-50	34-36	9	UNDEFINED
4.25	13.94	22.59	0.05	0.23	47.70	silty sand to sandy silt	<40	32-34	8	UNDEFINED
4.50	14.76	21.73	0.11	0.52	50.00	silty sand to sandy silt	<40	32-34	7	UNDEFINED
4.75	15.58	37.20	0.10	0.27	52.29	sand to silty sand	40-50	36-38	9	UNDEFINED
5.00	16.40	33.95	0.14	0.42	54.59	silty sand to sandy silt	40-50	34-36	11	UNDEFINED
5.25	17.22	52.79	0.14	0.26	56.89	sand to silty sand	50-60	36-38	13	UNDEFINED
5.50	18.04	41.12	0.25	0.60	59.18	silty sand to sandy silt	40-50	34-36	14	UNDEFINED
5.75	18.86	25.88	0.12	0.48	61.48	silty sand to sandy silt	<40	32-34	9	UNDEFINED
6.00	19.69	56.93	0.24	0.41	63.78	sand to silty sand	50-60	36-38	14	UNDEFINED
6.25	20.51	96.78	0.22	0.23	66.07	sand	70-80	40-42	19	UNDEFINED
6.50	21.33	111.03	0.23	0.21	68.37	sand	70-80	40-42	22	UNDEFINED
6.75	22.15	117.86	0.26	0.22	70.67	sand	70-80	40-42	24	UNDEFINED
7.00	22.97	102.44	0.27	0.26	72.96	sand	70-80	40-42	20	UNDEFINED
7.25	23.79	90.89	0.23	0.25	75.26	sand	60-70	38-40	18	UNDEFINED
7.50	24.61	88.35	0.21	0.23	77.56	sand	60-70	38-40	18	UNDEFINED
7.75	25.43	80.14	0.18	0.22	79.85	sand	60-70	38-40	16	UNDEFINED
8.00	26.25	75.62	0.18	0.24	82.15	sand to silty sand	60-70	36-38	19	UNDEFINED
8.25	27.07	80.79	0.20	0.25	84.45	sand	60-70	36-38	16	UNDEFINED
8.50	27.89	85.75	0.24	0.28	86.74	sand	60-70	38-40	17	UNDEFINED
8.75	28.71	79.39	0.23	0.29	89.04	sand	60-70	36-38	16	UNDEFINED
9.00	29.53	66.95	0.27	0.40	91.34	sand to silty sand	50-60	36-38	17	UNDEFINED
9.25	30.35	61.50	0.26	0.42	93.63	sand to silty sand	50-60	34-36	15	UNDEFINED
9.50	31.17	52.19	0.14	0.28	95.93	sand to silty sand	40-50	34-36	13	UNDEFINED

Dr - All sands (Janiołkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	(feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	42.89	0.10	0.24	98.23	sand to silty sand	40-50	32-34	11	UNDEFINED
10.00	32.81	51.22	0.14	0.28	100.52	sand to silty sand	40-50	32-34	13	UNDEFINED
10.25	33.63	55.71	0.13	0.24	102.82	sand to silty sand	50-60	34-36	14	UNDEFINED
10.50	34.45	57.33	0.13	0.23	105.11	sand to silty sand	50-60	34-36	14	UNDEFINED
10.75	35.27	67.45	0.16	0.23	107.41	sand to silty sand	50-60	34-36	17	UNDEFINED
11.00	36.09	53.60	0.12	0.23	109.71	sand to silty sand	40-50	32-34	13	UNDEFINED
11.25	36.91	35.97	0.09	0.24	112.00	sand to silty sand	<40	30-32	9	UNDEFINED
11.50	37.73	62.80	0.18	0.29	114.30	sand to silty sand	50-60	34-36	16	UNDEFINED
11.75	38.55	85.22	0.21	0.25	116.60	sand	60-70	36-38	17	UNDEFINED
12.00	39.37	99.51	0.25	0.26	118.89	sand	60-70	36-38	20	UNDEFINED
12.25	40.19	112.74	0.26	0.23	121.19	sand	60-70	36-38	23	UNDEFINED
12.50	41.01	121.23	0.28	0.23	123.49	sand	60-70	38-40	24	UNDEFINED
12.75	41.83	129.35	0.30	0.23	125.78	sand	70-80	38-40	26	UNDEFINED
13.00	42.65	110.21	0.25	0.23	128.08	sand	60-70	36-38	22	UNDEFINED
13.25	43.47	108.00	0.23	0.21	130.38	sand	60-70	36-38	22	UNDEFINED
13.50	44.29	152.21	0.31	0.21	132.67	sand	70-80	38-40	30	UNDEFINED
13.75	45.11	153.13	0.31	0.20	134.97	sand	70-80	38-40	31	UNDEFINED
14.00	45.93	147.08	0.29	0.19	137.27	sand	70-80	38-40	29	UNDEFINED
14.25	46.75	129.09	0.24	0.19	139.56	sand	60-70	36-38	26	UNDEFINED
14.50	47.57	99.45	0.20	0.20	141.86	sand	60-70	36-38	20	UNDEFINED
14.75	48.39	122.16	0.23	0.19	144.16	sand	60-70	36-38	24	UNDEFINED
15.00	49.21	108.08	0.21	0.19	146.45	sand	60-70	36-38	22	UNDEFINED
15.25	50.03	102.95	0.20	0.19	148.75	sand	60-70	34-36	21	UNDEFINED
15.50	50.85	127.54	0.24	0.19	151.05	sand	60-70	36-38	26	UNDEFINED
15.75	51.67	90.56	0.16	0.17	153.34	sand	50-60	34-36	18	UNDEFINED
16.00	52.49	88.74	0.17	0.19	155.64	sand	50-60	34-36	18	UNDEFINED
16.25	53.31	108.90	0.20	0.18	157.94	sand	60-70	34-36	22	UNDEFINED
16.50	54.13	133.60	0.25	0.19	160.23	sand	60-70	36-38	27	UNDEFINED
16.75	54.95	111.61	0.21	0.19	162.53	sand	60-70	34-36	22	UNDEFINED
17.00	55.77	115.95	0.22	0.19	164.83	sand	60-70	36-38	23	UNDEFINED
17.25	56.59	141.48	0.24	0.17	167.12	sand	60-70	36-38	28	UNDEFINED
17.50	57.41	163.65	0.26	0.16	169.42	sand	70-80	38-40	33	UNDEFINED
17.75	58.23	145.07	0.23	0.16	171.72	sand	70-80	36-38	29	UNDEFINED
18.00	59.06	131.00	0.21	0.16	174.01	sand	60-70	36-38	26	UNDEFINED
18.25	59.88	132.03	0.23	0.17	176.31	sand	60-70	36-38	26	UNDEFINED
18.50	60.70	134.07	0.23	0.17	178.61	sand	60-70	36-38	27	UNDEFINED
18.75	61.52	117.54	0.19	0.16	180.90	sand	60-70	34-36	24	UNDEFINED
19.00	62.34	97.62	0.17	0.18	183.20	sand	50-60	34-36	20	UNDEFINED
19.25	63.16	105.68	0.22	0.21	185.50	sand	60-70	34-36	21	UNDEFINED
19.50	63.98	134.12	0.30	0.23	187.79	sand	60-70	36-38	27	UNDEFINED
19.75	64.80	155.79	0.30	0.19	190.09	sand	70-80	36-38	31	UNDEFINED
20.00	65.62	159.88	0.26	0.17	192.39	sand	70-80	36-38	32	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	144.54	0.27	0.19	194.68	sand	60-70	36-38	29	UNDEFINED
20.50	67.26	127.89	0.30	0.23	196.98	sand	60-70	34-36	26	UNDEFINED
20.75	68.08	103.93	0.42	0.40	199.28	sand	50-60	34-36	21	UNDEFINED
21.00	68.90	107.63	0.23	0.22	201.57	sand	50-60	34-36	22	UNDEFINED
21.25	69.72	125.40	0.24	0.19	203.87	sand	60-70	34-36	25	UNDEFINED
21.50	70.54	141.41	0.30	0.21	206.17	sand	60-70	34-36	28	UNDEFINED
21.75	71.36	152.90	0.31	0.20	208.46	sand	60-70	36-38	31	UNDEFINED
22.00	72.18	139.58	0.29	0.21	210.76	sand	60-70	34-36	28	UNDEFINED
22.25	73.00	183.08	0.30	0.16	213.06	sand	70-80	36-38	37	UNDEFINED
22.50	73.82	130.92	0.24	0.19	215.35	sand	60-70	34-36	26	UNDEFINED
22.75	74.64	106.00	0.21	0.19	217.65	sand	50-60	32-34	21	UNDEFINED
23.00	75.46	92.46	0.20	0.22	219.94	sand	50-60	32-34	18	UNDEFINED
23.25	76.28	85.99	0.22	0.26	222.24	sand	50-60	32-34	17	UNDEFINED
23.50	77.10	97.35	0.17	0.17	224.54	sand	50-60	32-34	19	UNDEFINED
23.75	77.92	93.05	0.22	0.23	226.83	sand	50-60	32-34	19	UNDEFINED
24.00	78.74	113.75	0.21	0.19	229.13	sand	50-60	32-34	23	UNDEFINED
24.25	79.56	120.93	0.22	0.19	231.43	sand	60-70	34-36	24	UNDEFINED
24.50	80.38	60.73	0.80	1.32	233.72	silty sand to sandy silt	40-50	<30	20	UNDEFINED
24.75	81.20	19.58	0.24	1.25	236.02	sandy silt to clayey silt	UNDFND	UNDFD	8	119.2
25.00	82.02	18.75	0.10	0.54	238.32	silty sand to sandy silt	<40	<30	6	UNDEFINED
25.25	82.84	21.35	0.15	0.71	240.61	silty sand to sandy silt	<40	<30	7	UNDEFINED
25.50	83.66	15.89	0.09	0.54	242.91	sandy silt to clayey silt	UNDFND	UNDFD	6	88.5
25.75	84.48	17.33	0.09	0.54	245.21	sandy silt to clayey silt	UNDFND	UNDFD	7	99.6
26.00	85.30	15.46	0.07	0.47	247.50	sandy silt to clayey silt	UNDFND	UNDFD	6	84.3
26.25	86.12	18.76	0.11	0.59	249.80	silty sand to sandy silt	<40	<30	6	UNDEFINED
26.50	86.94	19.39	0.10	0.54	252.10	silty sand to sandy silt	<40	<30	6	UNDEFINED
26.75	87.76	21.37	0.16	0.74	254.39	silty sand to sandy silt	<40	<30	7	UNDEFINED
27.00	88.58	13.65	0.07	0.53	256.69	sandy silt to clayey silt	UNDFND	UNDFD	5	68.3
27.25	89.40	24.34	0.27	1.11	258.99	sandy silt to clayey silt	UNDFND	UNDFD	10	153.4
27.50	90.22	35.12	0.36	1.03	261.28	silty sand to sandy silt	<40	<30	12	UNDEFINED
27.75	91.04	22.42	0.29	1.30	263.58	sandy silt to clayey silt	UNDFND	UNDFD	9	137.3
28.00	91.86	15.73	0.10	0.62	265.88	sandy silt to clayey silt	UNDFND	UNDFD	6	83.4
28.25	92.68	20.76	0.18	0.89	268.17	sandy silt to clayey silt	UNDFND	UNDFD	8	123.3
28.50	93.50	14.93	0.10	0.66	270.47	sandy silt to clayey silt	UNDFND	UNDFD	6	76.2
28.75	94.32	92.30	0.30	0.32	272.77	sand	50-60	30-32	18	UNDEFINED
29.00	95.14	92.64	0.45	0.49	275.06	sand	50-60	30-32	19	UNDEFINED
29.25	95.96	39.91	0.40	1.01	277.36	silty sand to sandy silt	<40	<30	13	UNDEFINED
29.50	96.78	28.05	0.24	0.87	279.66	silty sand to sandy silt	<40	<30	9	UNDEFINED
29.75	97.60	32.14	0.39	1.21	281.95	silty sand to sandy silt	<40	<30	11	UNDEFINED
30.00	98.43	78.11	0.44	0.57	284.25	sand to silty sand	40-50	<30	20	UNDEFINED
30.25	99.25	75.41	0.51	0.67	286.55	sand to silty sand	40-50	<30	19	UNDEFINED
30.50	100.07	31.91	0.30	0.95	288.84	silty sand to sandy silt	<40	<30	11	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
30.75	100.89	37.23	0.38	1.03	291.14	silty sand to sandy silt	<40	<30	12	UNDEFINED
31.00	101.71	19.48	0.22	1.13	293.44	sandy silt to clayey silt	UNDFND	UNDFD	8	108.9
31.25	102.53	33.81	0.31	0.91	295.73	silty sand to sandy silt	<40	<30	11	UNDEFINED
31.50	103.35	74.75	0.33	0.44	298.03	sand to silty sand	40-50	<30	19	UNDEFINED
31.75	104.17	27.79	0.28	1.01	300.33	silty sand to sandy silt	<40	<30	9	UNDEFINED
32.00	104.99	32.47	0.25	0.77	302.62	silty sand to sandy silt	<40	<30	11	UNDEFINED
32.25	105.81	21.07	0.23	1.11	304.92	sandy silt to clayey silt	UNDFND	UNDFD	8	119.7
32.50	106.63	20.15	0.15	0.76	307.22	silty sand to sandy silt	<40	<30	7	UNDEFINED
32.75	107.45	26.37	0.30	1.15	309.51	silty sand to sandy silt	<40	<30	9	UNDEFINED
33.00	108.27	29.39	0.27	0.91	311.81	silty sand to sandy silt	<40	<30	10	UNDEFINED
33.25	109.09	33.59	0.33	0.98	314.11	silty sand to sandy silt	<40	<30	11	UNDEFINED
33.50	109.91	23.54	0.19	0.79	316.40	silty sand to sandy silt	<40	<30	8	UNDEFINED
33.75	110.73	24.60	0.14	0.59	318.70	silty sand to sandy silt	<40	<30	8	UNDEFINED
34.00	111.55	41.89	0.24	0.57	321.00	sand to silty sand	<40	<30	10	UNDEFINED
34.25	112.37	67.60	0.43	0.64	323.29	sand to silty sand	<40	<30	17	UNDEFINED
34.50	113.19	22.58	0.23	1.02	325.59	sandy silt to clayey silt	UNDFND	UNDFD	9	128.3
34.75	114.01	17.72	0.17	0.94	327.89	sandy silt to clayey silt	UNDFND	UNDFD	7	89.1
35.00	114.83	46.11	0.44	0.95	330.18	silty sand to sandy silt	<40	<30	15	UNDEFINED
35.25	115.65	23.01	0.31	1.35	332.48	sandy silt to clayey silt	UNDFND	UNDFD	9	130.6
35.50	116.47	29.17	0.21	0.73	334.77	silty sand to sandy silt	<40	<30	10	UNDEFINED
35.75	117.29	17.27	0.14	0.80	337.07	sandy silt to clayey silt	UNDFND	UNDFD	7	84.0
36.00	118.11	28.51	0.22	0.79	339.37	silty sand to sandy silt	<40	<30	10	UNDEFINED
36.25	118.93	24.11	0.29	1.19	341.66	sandy silt to clayey silt	UNDFND	UNDFD	10	137.9
36.50	119.75	26.96	0.20	0.76	343.96	silty sand to sandy silt	<40	<30	9	UNDEFINED
36.75	120.57	19.96	0.17	0.86	346.26	sandy silt to clayey silt	UNDFND	UNDFD	8	103.9
37.00	121.39	27.00	0.30	1.12	348.55	silty sand to sandy silt	<40	<30	9	UNDEFINED
37.25	122.21	31.70	0.25	0.80	350.85	silty sand to sandy silt	<40	<30	11	UNDEFINED
37.50	123.03	17.61	0.13	0.75	353.15	sandy silt to clayey silt	UNDFND	UNDFD	7	84.0
37.75	123.85	24.55	0.15	0.62	355.44	silty sand to sandy silt	<40	<30	8	UNDEFINED
38.00	124.67	21.52	0.15	0.70	357.74	silty sand to sandy silt	<40	<30	7	UNDEFINED
38.25	125.49	18.55	0.19	1.00	360.04	sandy silt to clayey silt	UNDFND	UNDFD	7	90.4
38.50	126.31	22.38	0.16	0.73	362.33	silty sand to sandy silt	<40	<30	7	UNDEFINED
38.75	127.13	25.25	0.15	0.58	364.63	silty sand to sandy silt	<40	<30	8	UNDEFINED
39.00	127.95	18.06	0.12	0.64	366.93	sandy silt to clayey silt	UNDFND	UNDFD	7	85.4
39.25	128.77	37.32	0.41	1.10	369.22	silty sand to sandy silt	<40	<30	12	UNDEFINED
39.50	129.59	24.17	0.18	0.74	371.52	silty sand to sandy silt	<40	<30	8	UNDEFINED
39.75	130.41	20.22	0.12	0.60	373.82	silty sand to sandy silt	<40	<30	7	UNDEFINED
40.00	131.23	23.80	0.15	0.61	376.11	silty sand to sandy silt	<40	<30	8	UNDEFINED
40.25	132.05	22.00	0.19	0.85	378.41	silty sand to sandy silt	<40	<30	7	UNDEFINED
40.50	132.87	26.56	0.27	1.01	380.71	silty sand to sandy silt	<40	<30	9	UNDEFINED
40.75	133.69	23.38	0.17	0.74	383.00	silty sand to sandy silt	<40	<30	8	UNDEFINED
41.00	134.51	23.54	0.13	0.54	385.30	silty sand to sandy silt	<40	<30	8	UNDEFINED

Dr - All sands (Jamiołkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su = Nk = 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
41.25	135.33	20.39	0.18	0.89	387.60	sandy silt to clayey silt	UNDFND	UNDFD	8	100.5
41.50	136.15	21.01	0.13	0.63	389.89	silty sand to sandy silt	<40	<30	7	UNDEFINED
41.75	136.98	19.15	0.12	0.62	392.19	silty sand to sandy silt	<40	<30	6	UNDEFINED
42.00	137.80	21.36	0.10	0.47	394.49	silty sand to clayey silt	<40	<30	7	UNDEFINED
42.25	138.62	20.66	0.17	0.84	396.78	sandy silt to clayey silt	UNDFND	UNDFD	8	101.2
42.50	139.44	19.88	0.10	0.49	399.08	silty sand to sandy silt	<40	<30	7	UNDEFINED
42.75	140.26	21.33	0.11	0.52	401.38	silty sand to sandy silt	<40	<30	7	UNDEFINED
43.00	141.08	19.03	0.08	0.43	403.67	silty sand to sandy silt	UNDFND	<30	6	UNDEFINED
43.25	141.90	21.62	0.19	0.89	405.97	silty sand to sandy silt	<40	<30	7	UNDEFINED
43.50	142.72	21.11	0.11	0.51	408.27	silty sand to sandy silt	<40	<30	7	UNDEFINED
43.75	143.54	24.30	0.15	0.61	410.56	silty sand to sandy silt	<40	<30	8	UNDEFINED
44.00	144.36	20.06	0.14	0.71	412.86	silty sand to sandy silt	<40	<30	7	UNDEFINED
44.25	145.18	20.94	0.22	1.07	415.16	sandy silt to clayey silt	UNDFND	UNDFD	8	100.4
44.50	146.00	20.61	0.13	0.62	417.45	silty sand to sandy silt	<40	<30	7	UNDEFINED
44.75	146.82	21.26	0.11	0.50	419.75	silty sand to sandy silt	<40	<30	7	UNDEFINED
45.00	147.64	21.78	0.11	0.51	422.05	silty sand to sandy silt	<40	<30	7	UNDEFINED
45.25	148.46	23.12	0.25	1.06	424.34	sandy silt to clayey silt	UNDFND	UNDFD	9	116.3
45.50	149.28	22.50	0.14	0.63	426.64	silty sand to sandy silt	<40	<30	8	UNDEFINED
45.75	150.10	21.73	0.12	0.54	428.94	silty sand to sandy silt	<40	<30	7	UNDEFINED
46.00	150.92	22.86	0.12	0.53	431.23	silty sand to sandy silt	<40	<30	8	UNDEFINED
46.25	151.74	22.05	0.16	0.73	433.53	silty sand to sandy silt	<40	<30	7	UNDEFINED
46.50	152.56	23.76	0.15	0.62	435.83	silty sand to sandy silt	<40	<30	8	UNDEFINED
46.75	153.38	25.20	0.14	0.55	438.12	silty sand to sandy silt	<40	<30	8	UNDEFINED
47.00	154.20	20.75	0.08	0.38	440.42	silty sand to sandy silt	<40	<30	7	UNDEFINED
47.25	155.02	23.02	0.19	0.84	442.72	silty sand to sandy silt	<40	<30	8	UNDEFINED
47.50	155.84	21.83	0.12	0.54	445.01	silty sand to sandy silt	<40	<30	7	UNDEFINED
47.75	156.66	23.41	0.12	0.50	447.31	silty sand to sandy silt	<40	<30	8	UNDEFINED
48.00	157.48	24.37	0.17	0.70	449.60	silty sand to sandy silt	<40	<30	8	UNDEFINED
48.25	158.30	28.01	0.30	1.07	451.90	silty sand to sandy silt	<40	<30	9	UNDEFINED
48.50	159.12	30.67	0.22	0.72	454.20	silty sand to sandy silt	<40	<30	10	UNDEFINED
48.75	159.94	23.94	0.12	0.50	456.49	silty sand to sandy silt	<40	<30	8	UNDEFINED
49.00	160.76	36.34	0.35	0.97	458.79	silty sand to sandy silt	<40	<30	12	UNDEFINED
49.25	161.58	25.59	0.26	1.01	461.09	silty sand to sandy silt	<40	<30	9	UNDEFINED
49.50	162.40	46.29	0.42	0.91	463.38	silty sand to sandy silt	<40	<30	15	UNDEFINED
49.75	163.22	31.68	0.38	1.19	465.68	silty sand to sandy silt	<40	<30	11	UNDEFINED
50.00	164.04	29.91	0.25	0.84	467.98	silty sand to sandy silt	<40	<30	10	UNDEFINED
50.25	164.86	39.52	0.61	1.54	470.27	silty sand to sandy silt	<40	<30	13	UNDEFINED
50.50	165.68	29.69	0.21	0.71	472.57	silty sand to sandy silt	<40	<30	10	UNDEFINED
50.75	166.50	22.25	0.18	0.81	474.87	silty sand to sandy silt	<40	<30	7	UNDEFINED
51.00	167.32	37.25	0.49	1.32	477.16	silty sand to sandy silt	<40	<30	12	UNDEFINED
51.25	168.14	27.74	0.41	1.47	479.46	sandy silt to clayey silt	UNDFND	UNDFD	11	144.2
51.50	168.96	32.16	0.20	0.63	481.76	silty sand to sandy silt	<40	<30	11	UNDEFINED

Dr - All sands (Jamiolkovski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
51.75	169.78	28.72	0.23	0.79	484.05	silty sand to sandy silt	<40	<30	10	UNDEFINED
52.00	170.60	47.97	0.55	1.15	486.35	silty sand to sandy silt	<40	<30	16	UNDEFINED
52.25	171.42	33.87	0.45	1.34	488.65	silty sand to sandy silt	<40	<30	11	UNDEFINED
52.50	172.24	27.21	0.20	0.73	490.94	silty sand to sandy silt	<40	<30	9	UNDEFINED
52.75	173.06	38.70	0.34	0.88	493.24	silty sand to sandy silt	<40	<30	13	UNDEFINED
53.00	173.88	35.15	0.37	1.05	495.54	silty sand to sandy silt	<40	<30	12	UNDEFINED
53.25	174.70	30.51	0.43	1.42	497.83	silty sand to sandy silt	<40	<30	10	UNDEFINED
53.50	175.52	38.59	0.43	1.11	500.13	silty sand to sandy silt	<40	<30	13	UNDEFINED
53.75	176.35	26.63	0.23	0.86	502.43	silty sand to sandy silt	<40	<30	9	UNDEFINED
54.00	177.17	35.79	0.34	0.95	504.72	silty sand to sandy silt	<40	<30	12	UNDEFINED
54.25	177.99	34.50	0.41	1.18	507.02	silty sand to sandy silt	<40	<30	12	UNDEFINED
54.50	178.81	26.16	0.23	0.87	509.32	silty sand to sandy silt	<40	<30	9	UNDEFINED
54.75	179.63	29.19	0.22	0.77	511.61	silty sand to sandy silt	<40	<30	10	UNDEFINED
55.00	180.45	34.48	0.33	0.95	513.91	silty sand to sandy silt	<40	<30	11	UNDEFINED
55.25	181.27	26.10	0.17	0.64	516.21	silty sand to sandy silt	<40	<30	9	UNDEFINED

Dr - All sands (Janiolkowski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

CONTRACTOR : CONETEC
 LOCATION : RADIO TOWER SITE
 HOLE : 94-112 CPT-17 BT
 Tot. Unit Wt. (avg) : 19 kN/m³

CPT DATE : 03:08:94 12:03
 CONE : 5 TON AD 006
 Water table (meters) : 1

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV ^r (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
0.25	0.82	0.01	0.00	0.00	2.37	undefined	UNDFND	UNDFD	UDF	UNDEFINED
0.50	1.64	0.01	0.00	0.00	7.12	undefined	UNDFND	UNDFD	UDF	UNDEFINED
0.75	2.46	0.01	0.00	0.00	11.87	undefined	UNDFND	UNDFD	UDF	UNDEFINED
1.00	3.28	0.01	0.00	0.00	16.62	undefined	UNDFND	UNDFD	UDF	UNDEFINED
1.25	4.10	0.01	0.00	0.00	20.14	undefined	UNDFND	UNDFD	UDF	UNDEFINED
1.50	4.92	0.01	0.00	0.00	22.44	undefined	UNDFND	UNDFD	UDF	UNDEFINED
1.75	5.74	0.01	0.00	0.00	24.73	undefined	UNDFND	UNDFD	UDF	UNDEFINED
2.00	6.56	0.01	0.00	0.00	27.03	undefined	UNDFND	UNDFD	UDF	UNDEFINED
2.25	7.38	0.01	0.00	0.00	29.33	undefined	UNDFND	UNDFD	UDF	UNDEFINED
2.50	8.20	0.01	0.00	0.00	31.62	undefined	UNDFND	UNDFD	UDF	UNDEFINED
2.75	9.02	0.01	0.00	0.00	33.92	undefined	UNDFND	UNDFD	UDF	UNDEFINED
3.00	9.84	0.01	0.00	0.00	36.22	undefined	UNDFND	UNDFD	UDF	UNDEFINED
3.25	10.66	22.64	0.03	0.14	38.51	silty sand to sandy silt	<40	34-36	8	UNDEFINED
3.50	11.48	59.78	0.08	0.14	40.81	sand to silty sand	60-70	40-42	15	UNDEFINED
3.75	12.30	70.17	0.11	0.16	43.11	sand to silty sand	60-70	40-42	18	UNDEFINED
4.00	13.12	71.48	0.13	0.18	45.40	sand to silty sand	60-70	40-42	18	UNDEFINED
4.25	13.94	55.44	0.13	0.23	47.70	sand to silty sand	60-70	38-40	14	UNDEFINED
4.50	14.76	31.32	0.19	0.61	50.00	silty sand to sandy silt	40-50	34-36	10	UNDEFINED
4.75	15.58	25.85	0.25	0.97	52.29	silty sand to sandy silt	<40	32-34	9	UNDEFINED
5.00	16.40	19.01	0.20	1.06	54.59	sandy silt to clayey silt	UNDFND	UNDFD	8	144.6
5.25	17.22	24.70	0.17	0.68	56.89	silty sand to sandy silt	<40	32-34	8	UNDEFINED
5.50	18.04	67.73	0.17	0.25	59.18	sand to silty sand	60-70	38-40	17	UNDEFINED
5.75	18.86	55.01	0.22	0.39	61.48	sand to silty sand	50-60	36-38	14	UNDEFINED
6.00	19.69	40.74	0.24	0.59	63.78	silty sand to sandy silt	40-50	34-36	14	UNDEFINED
6.25	20.51	57.20	0.24	0.42	66.07	sand to silty sand	50-60	36-38	14	UNDEFINED
6.50	21.33	59.91	0.19	0.32	68.37	sand to silty sand	50-60	36-38	15	UNDEFINED
6.75	22.15	45.56	0.34	0.75	70.67	silty sand to sandy silt	40-50	34-36	15	UNDEFINED
7.00	22.97	64.59	0.35	0.55	72.96	sand to silty sand	50-60	36-38	16	UNDEFINED
7.25	23.79	91.68	0.26	0.28	75.26	sand	60-70	38-40	18	UNDEFINED
7.50	24.61	77.29	0.25	0.33	77.56	sand to silty sand	60-70	38-40	19	UNDEFINED
7.75	25.43	53.61	0.18	0.33	79.85	sand to silty sand	50-60	34-36	13	UNDEFINED
8.00	26.25	58.17	0.21	0.36	82.15	sand to silty sand	50-60	36-38	15	UNDEFINED
8.25	27.07	60.13	0.19	0.32	84.45	sand to silty sand	50-60	36-38	15	UNDEFINED
8.50	27.89	56.71	0.16	0.28	86.74	sand to silty sand	50-60	34-36	14	UNDEFINED
8.75	28.71	45.60	0.20	0.44	89.04	sand to silty sand	40-50	32-34	11	UNDEFINED
9.00	29.53	59.03	0.21	0.35	91.34	sand to silty sand	50-60	34-36	15	UNDEFINED
9.25	30.35	75.28	0.22	0.30	93.63	sand to silty sand	60-70	36-38	19	UNDEFINED
9.50	31.17	69.40	0.23	0.33	95.93	sand to silty sand	50-60	36-38	17	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985) PHI - Durgunoglu and Mitchell 1975 Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su kPa
9.75	31.99	57.04	0.19	0.34	98.23	sand to silty sand	50-60	34-36	14	UNDEFINED
10.00	32.81	60.03	0.25	0.41	100.52	sand to silty sand	50-60	34-36	15	UNDEFINED
10.25	33.63	90.58	0.30	0.33	102.82	sand	60-70	36-38	18	UNDEFINED
10.50	34.45	70.60	0.26	0.37	105.11	sand to silty sand	50-60	34-36	18	UNDEFINED
10.75	35.27	68.26	0.23	0.33	107.41	sand to silty sand	50-60	34-36	17	UNDEFINED
11.00	36.09	67.04	0.27	0.40	109.71	sand to silty sand	50-60	34-36	17	UNDEFINED
11.25	36.91	71.34	0.28	0.39	112.00	sand to silty sand	50-60	34-36	18	UNDEFINED
11.50	37.73	86.22	0.34	0.39	114.30	sand	60-70	36-38	17	UNDEFINED
11.75	38.55	80.51	0.32	0.40	116.60	sand to silty sand	50-60	34-36	20	UNDEFINED
12.00	39.37	68.99	0.25	0.37	118.89	sand to silty sand	50-60	34-36	17	UNDEFINED
12.25	40.19	72.19	0.25	0.35	121.19	sand to silty sand	50-60	34-36	18	UNDEFINED
12.50	41.01	103.75	0.35	0.34	123.49	sand	60-70	36-38	21	UNDEFINED
12.75	41.83	81.91	0.35	0.42	125.78	sand to silty sand	50-60	34-36	20	UNDEFINED
13.00	42.65	70.77	0.26	0.36	128.08	sand to silty sand	50-60	34-36	18	UNDEFINED
13.25	43.47	75.10	0.23	0.30	130.38	sand to silty sand	50-60	34-36	19	UNDEFINED
13.50	44.29	76.48	0.25	0.33	132.67	sand to silty sand	50-60	34-36	19	UNDEFINED
13.75	45.11	67.42	0.25	0.37	134.97	sand to silty sand	50-60	32-34	17	UNDEFINED
14.00	45.93	64.92	0.22	0.34	137.27	sand to silty sand	50-60	32-34	16	UNDEFINED
14.25	46.75	69.95	0.21	0.29	139.56	sand to silty sand	50-60	32-34	17	UNDEFINED
14.50	47.57	65.51	0.23	0.34	141.86	sand to silty sand	50-60	32-34	16	UNDEFINED
14.75	48.39	62.33	0.20	0.32	144.16	sand to silty sand	40-50	32-34	16	UNDEFINED
15.00	49.21	62.34	0.23	0.37	146.45	sand to silty sand	40-50	32-34	16	UNDEFINED
15.25	50.03	58.32	0.20	0.34	148.75	sand to silty sand	40-50	32-34	15	UNDEFINED
15.50	50.85	84.92	0.29	0.35	151.05	sand	50-60	34-36	17	UNDEFINED
15.75	51.67	105.02	0.41	0.39	153.34	sand	60-70	34-36	21	UNDEFINED
16.00	52.49	164.52	0.58	0.35	155.64	sand	70-80	38-40	33	UNDEFINED
16.25	53.31	167.26	0.37	0.22	157.94	sand	70-80	38-40	33	UNDEFINED
16.50	54.13	112.60	0.40	0.35	160.23	sand	60-70	36-38	23	UNDEFINED
16.75	54.95	122.26	0.46	0.37	162.53	sand	60-70	36-38	24	UNDEFINED
17.00	55.77	171.76	0.43	0.25	164.83	sand	70-80	38-40	34	UNDEFINED
17.25	56.59	148.56	0.36	0.25	167.12	sand	70-80	36-38	30	UNDEFINED
17.50	57.41	151.16	0.42	0.28	169.42	sand	70-80	36-38	30	UNDEFINED
17.75	58.23	156.72	0.48	0.31	171.72	sand	70-80	36-38	31	UNDEFINED
18.00	59.06	132.26	0.37	0.28	174.01	sand	60-70	36-38	26	UNDEFINED
18.25	59.88	128.28	0.32	0.25	176.31	sand	60-70	36-38	26	UNDEFINED
18.50	60.70	99.65	0.28	0.28	178.61	sand	50-60	34-36	20	UNDEFINED
18.75	61.52	47.30	0.22	0.46	180.90	sand to silty sand	<40	<30	12	UNDEFINED
19.00	62.34	62.91	0.46	0.73	183.20	sand to silty sand	40-50	30-32	16	UNDEFINED
19.25	63.16	147.49	2.02	1.37	185.50	sand to silty sand	60-70	36-38	37	UNDEFINED
19.50	63.98	242.40	1.52	0.63	187.79	sand	80-90	38-40	48	UNDEFINED
19.75	64.80	298.18	1.95	0.65	190.09	gravelly sand to sand	80-90	40-42	50	UNDEFINED
20.00	65.62	366.96	2.80	0.76	192.39	gravelly sand to sand	>90	40-42	>50	UNDEFINED

Dr - All sands (Jamiolkovski et al. 1985)

PHI -

Durgunoglu and Mitchell 1975

Su: Nk= 12.5

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

DEPTH (meters)	DEPTH (feet)	Qc (avg) (bar)	Fs (avg) (bar)	Rf (avg) (%)	SIGV' (kPa)	SOIL BEHAVIOUR TYPE	Eq - 'Dr (%)	PHI deg.	SPT N	Su kPa
20.25	66.44	467.76	2.81	0.60	194.68	gravelly sand to sand	>90	42-44	>50	UNDEFINED
20.50	67.26	414.99	2.68	0.65	196.98	gravelly sand to sand	>90	42-44	>50	UNDEFINED
20.75	68.08	391.90	3.09	0.79	199.28	gravelly sand to sand	>90	42-44	>50	UNDEFINED

Dr - All sands (Jamolkowski et al. 1985)

PHI - Durgunoglu and Mitchell 1975

Su: Nk= 12.5

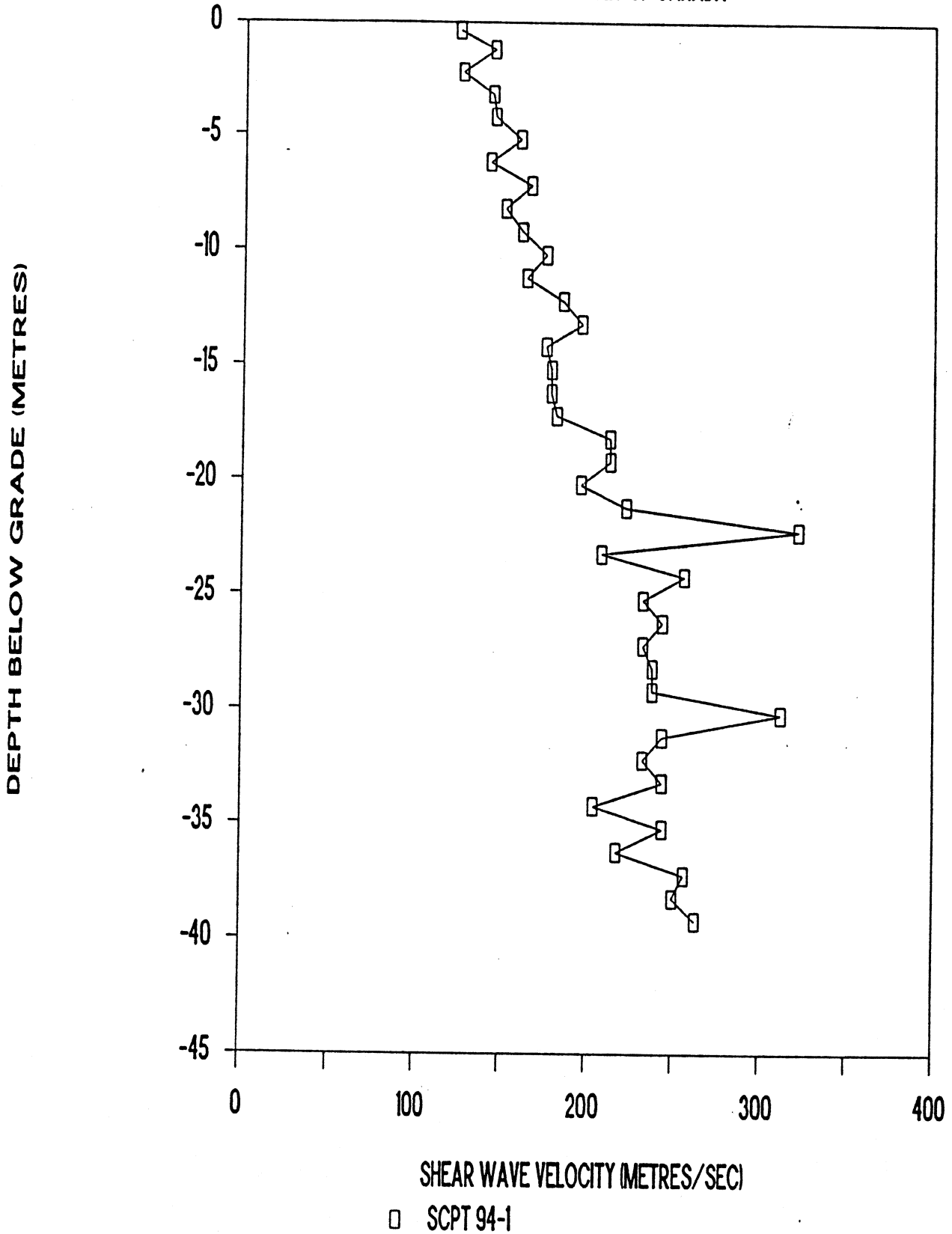
**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.02) ****

APPENDIX "C"

DOWNHOLE SHEAR WAVE VELOCITY RESULTS

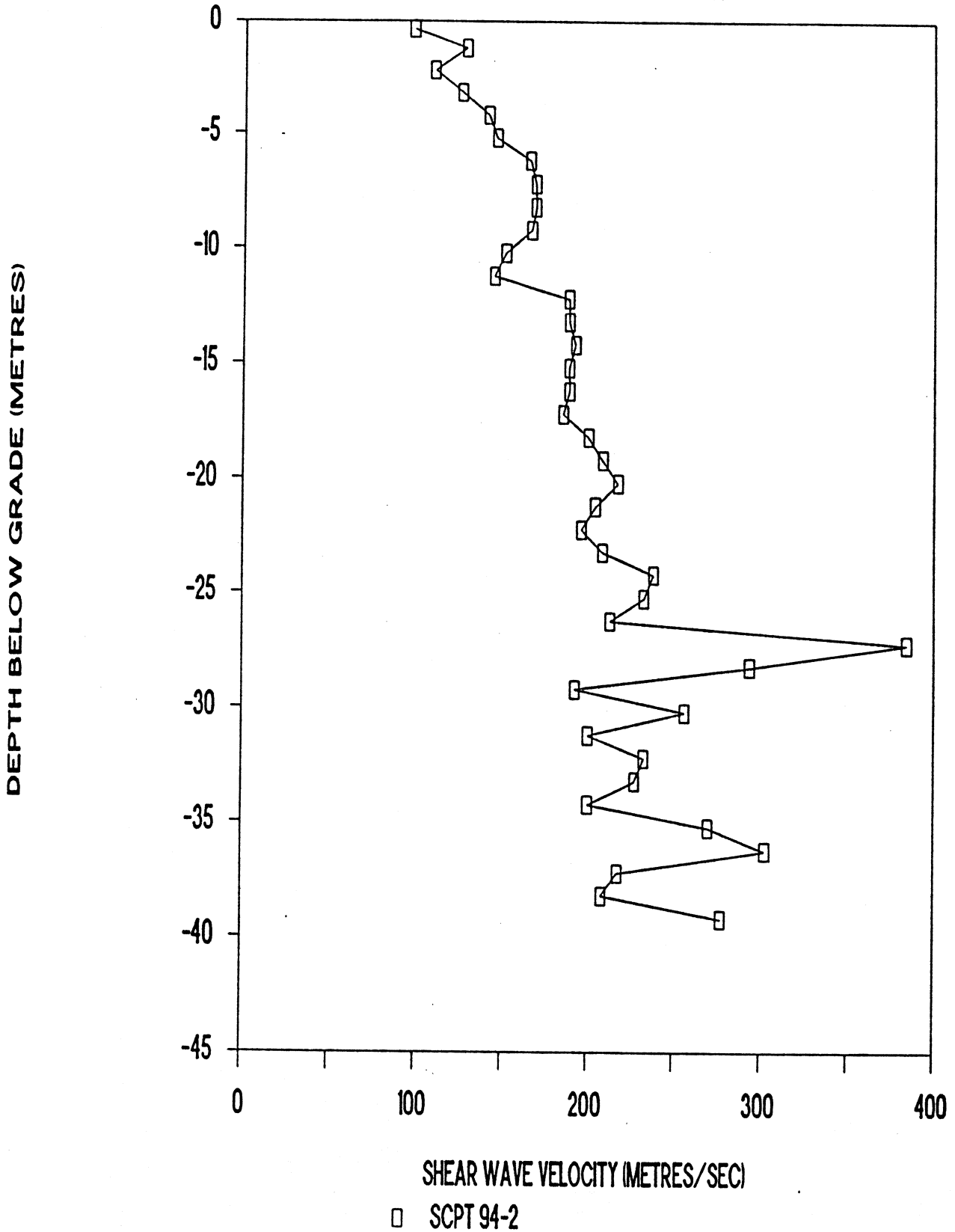
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



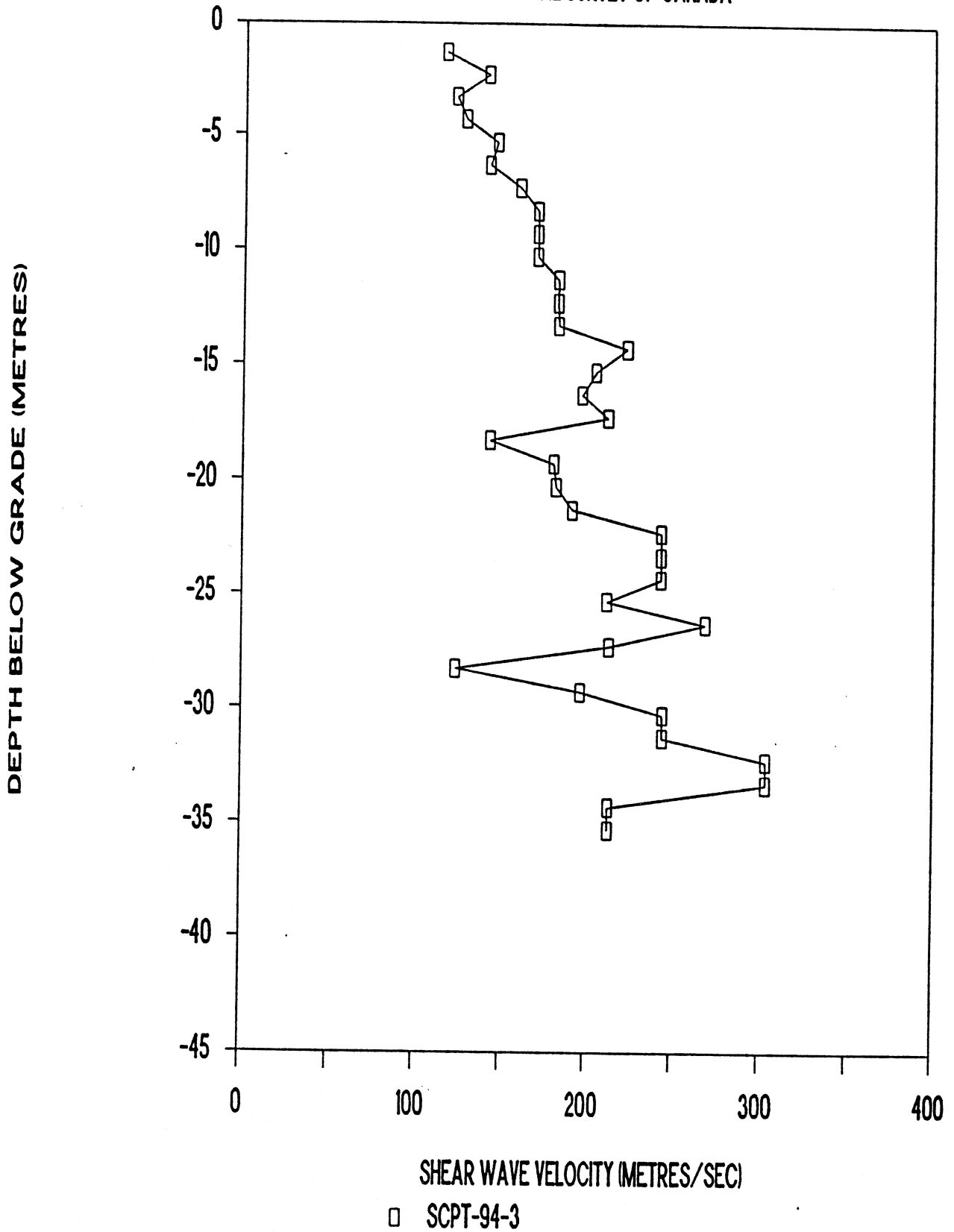
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



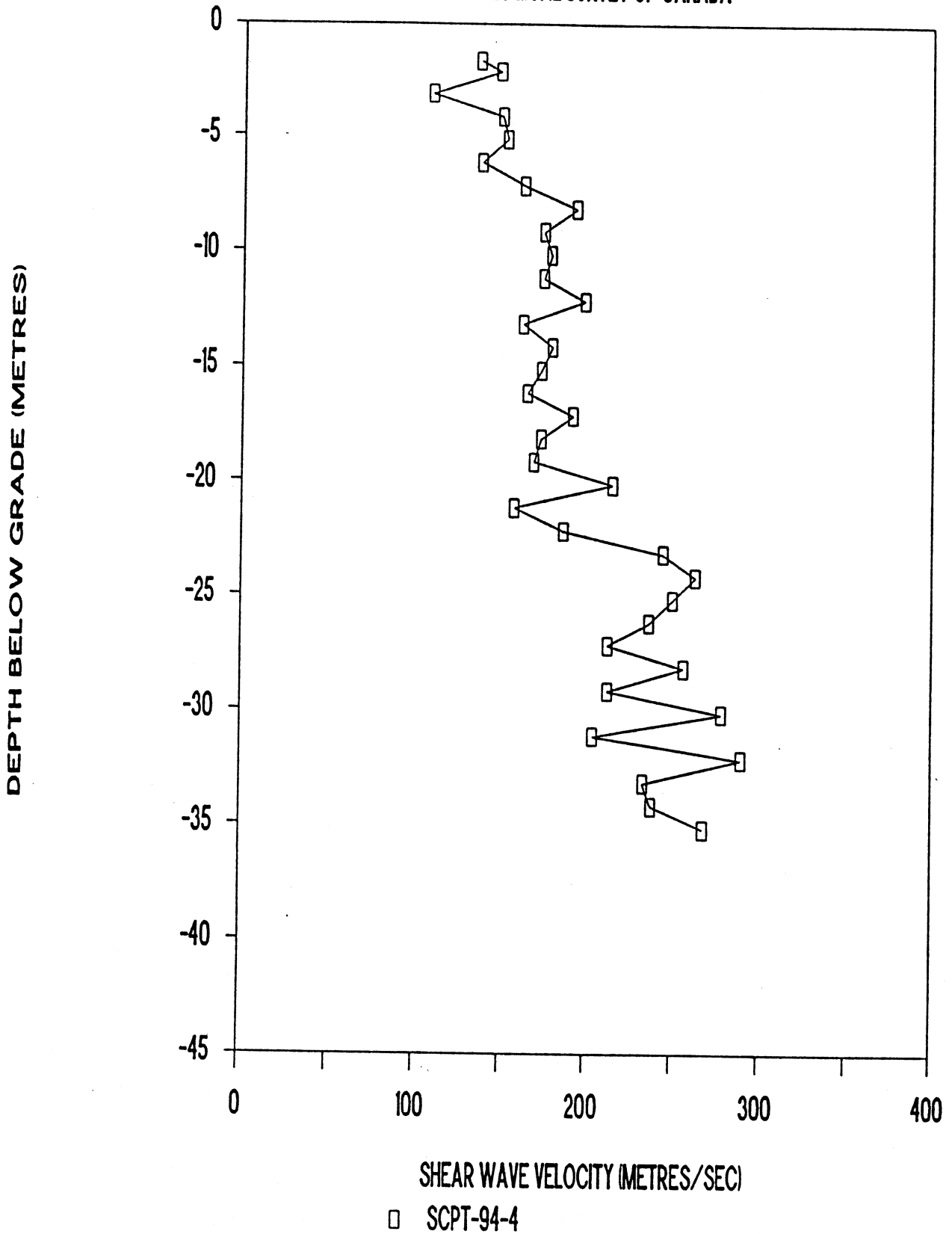
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



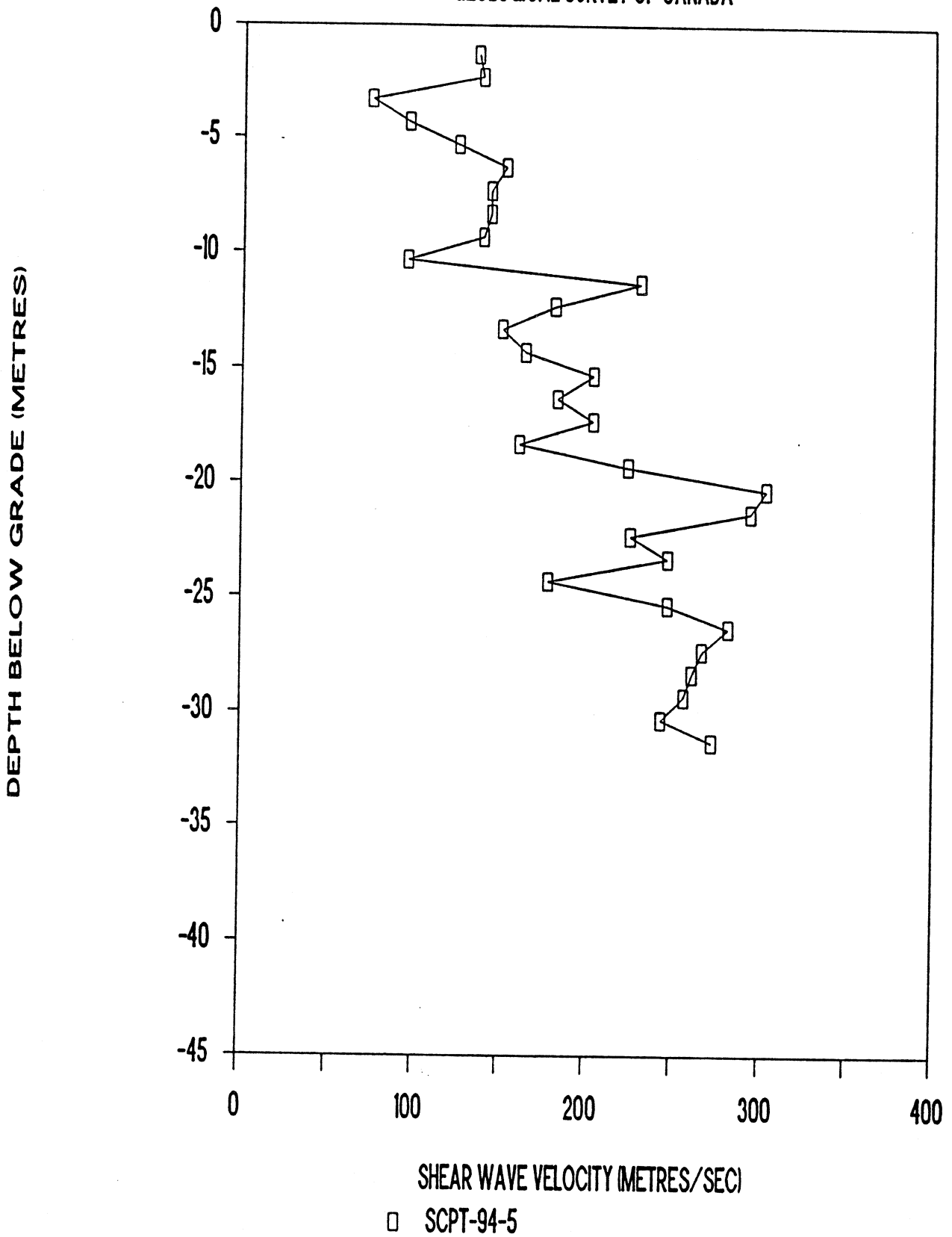
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



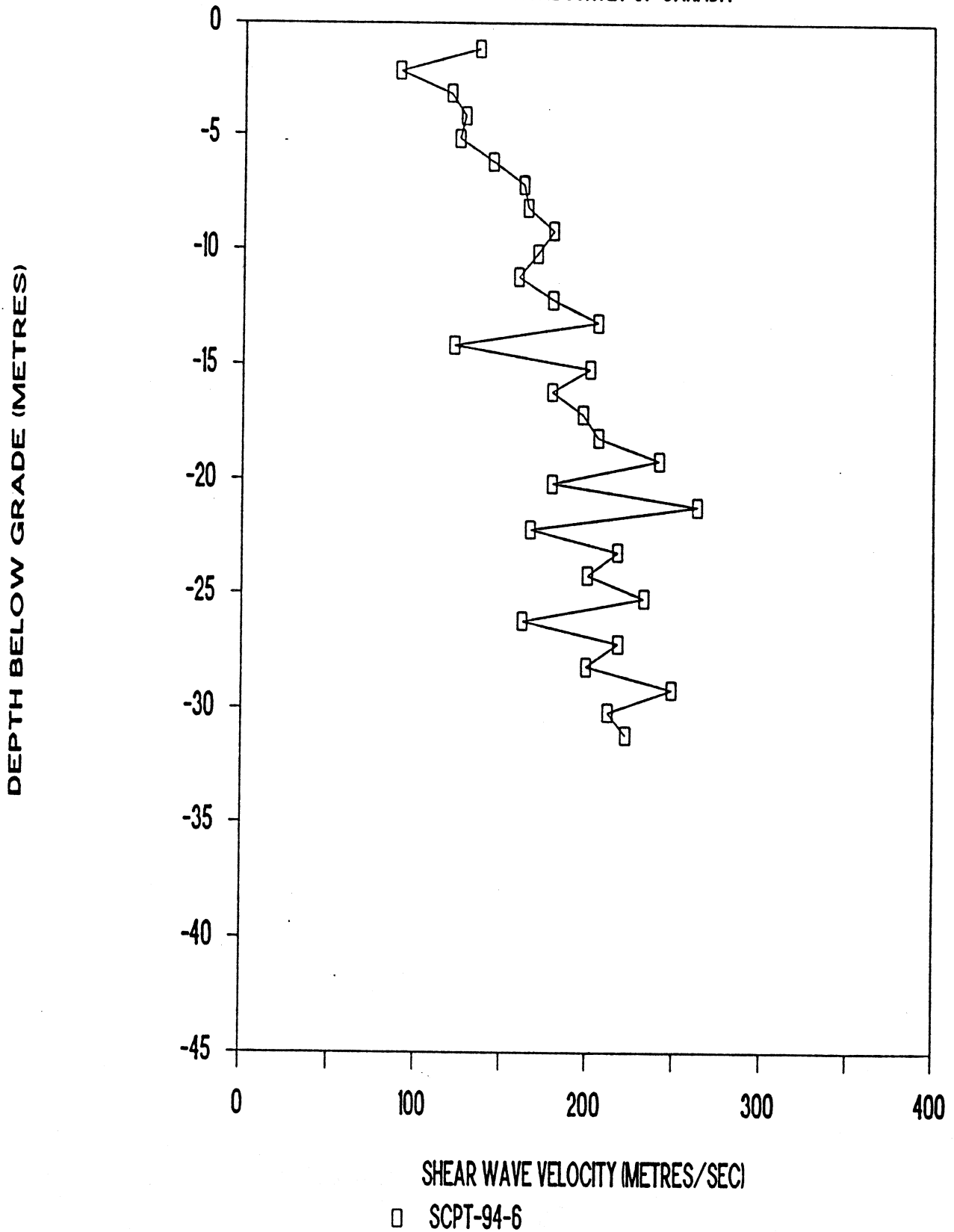
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



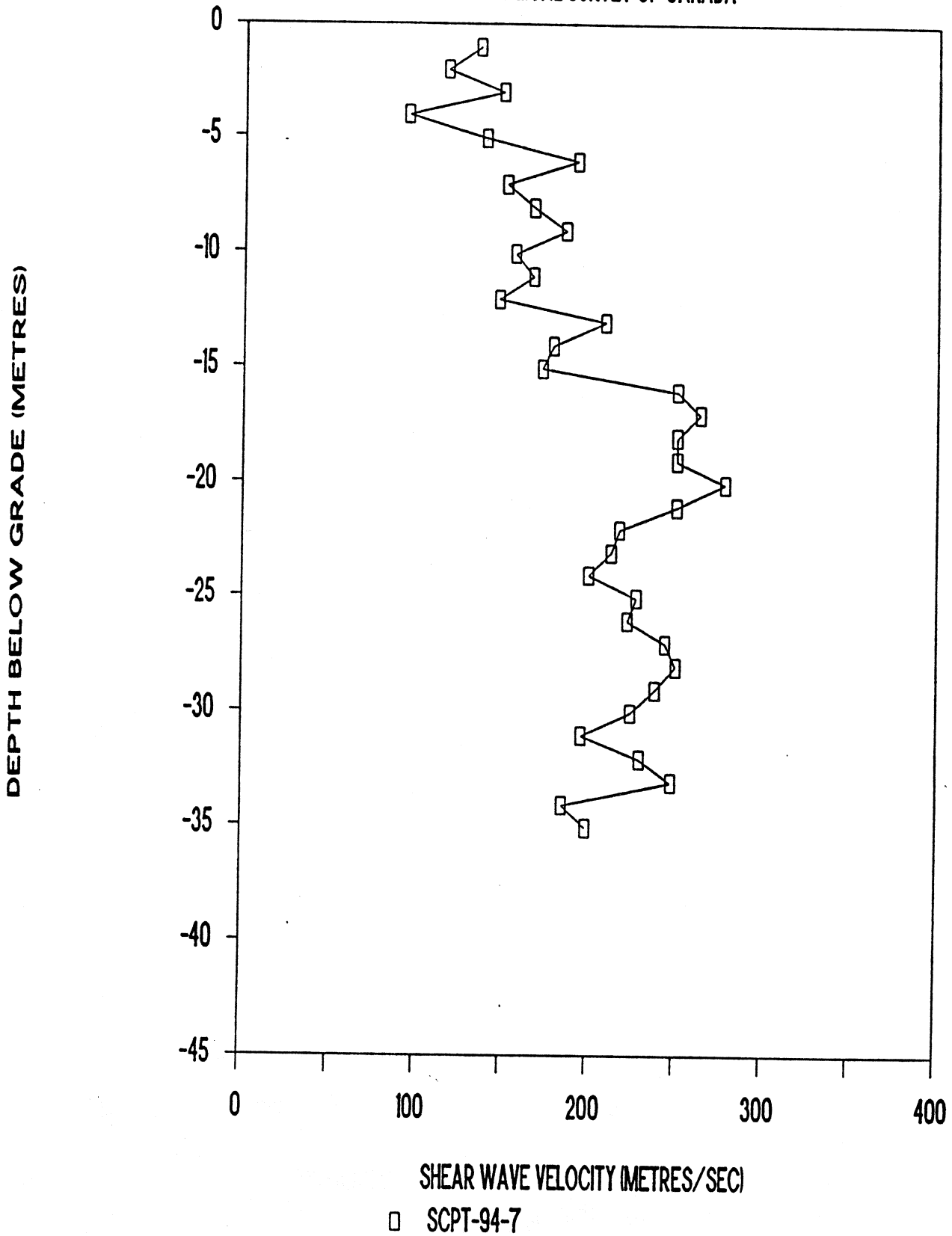
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



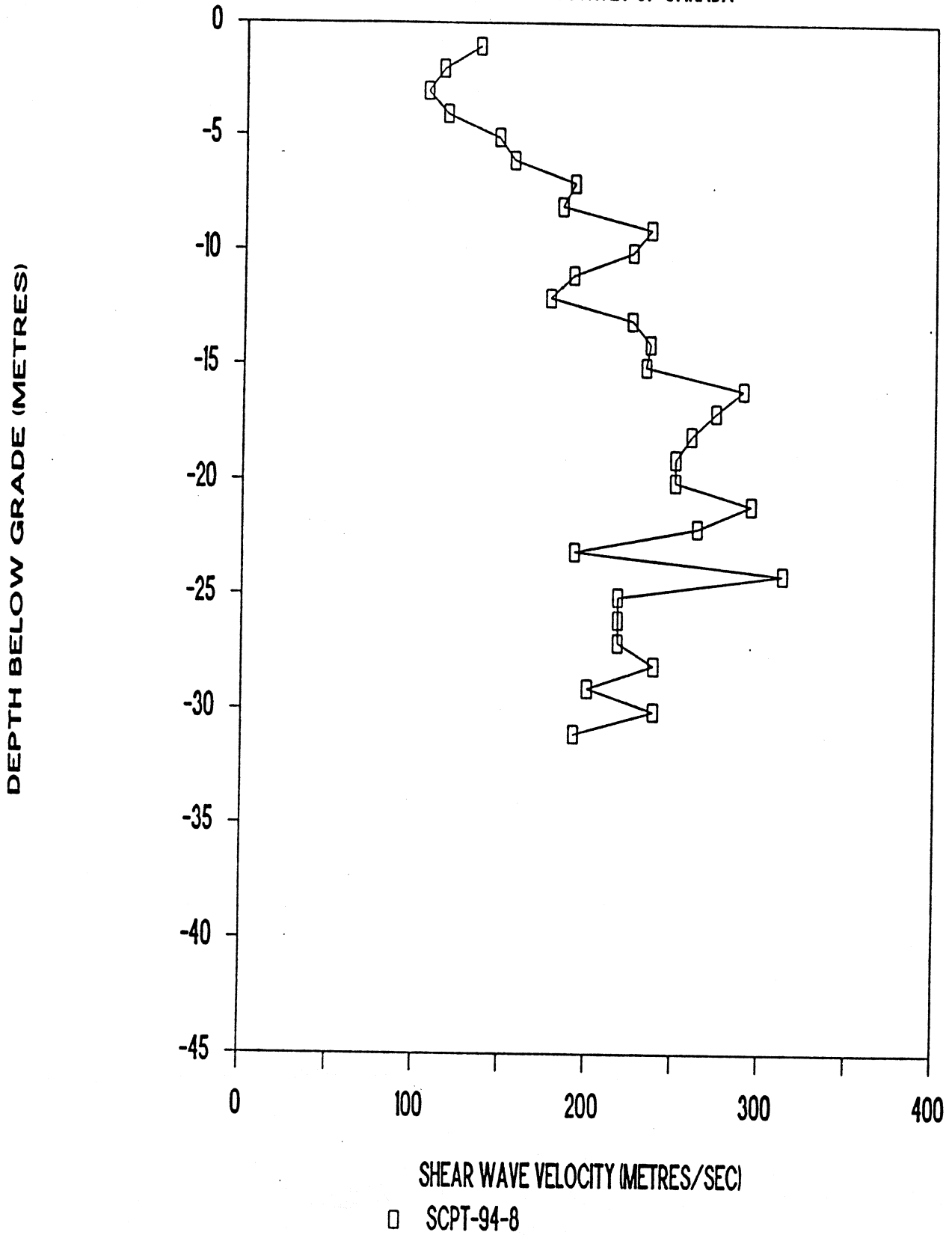
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



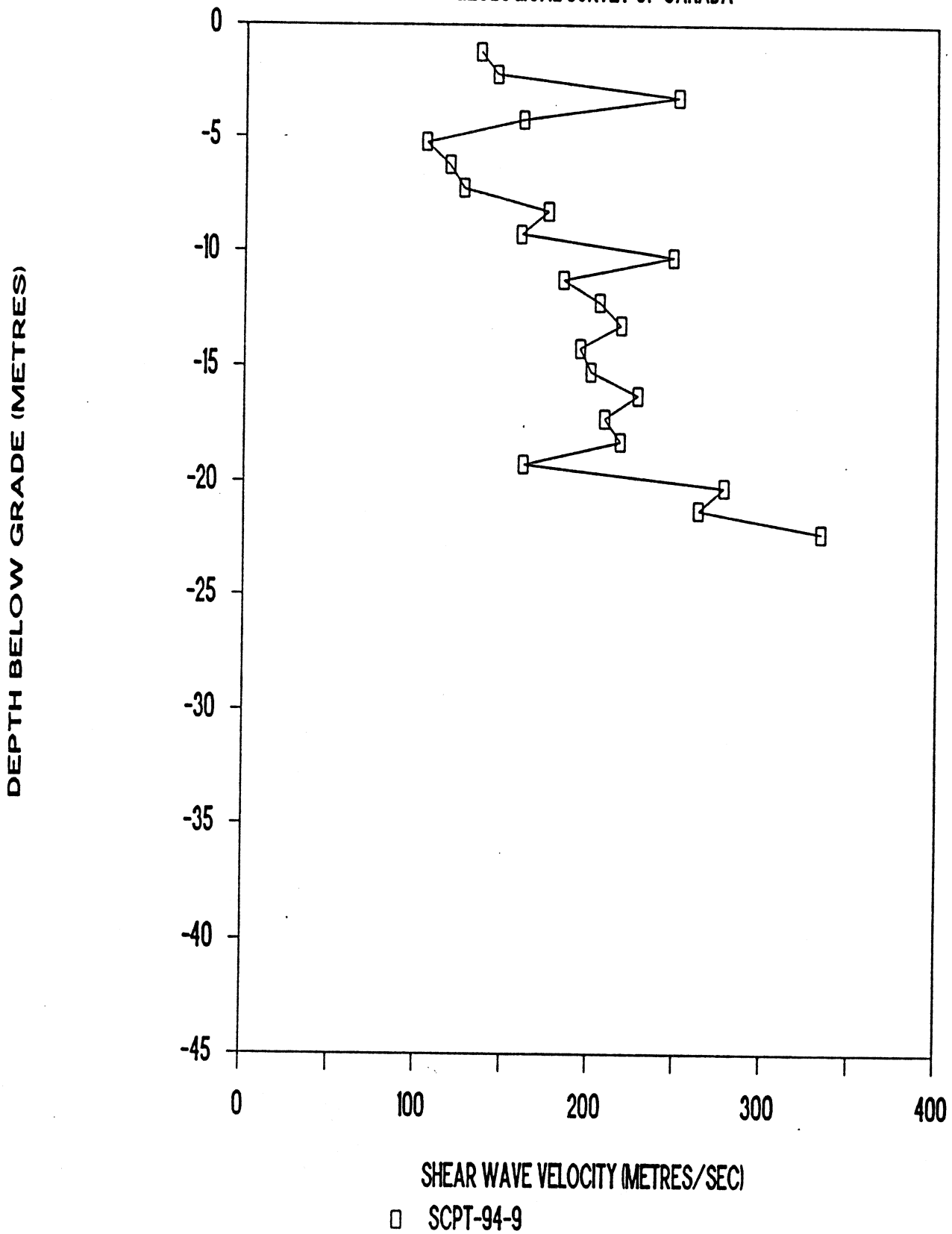
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



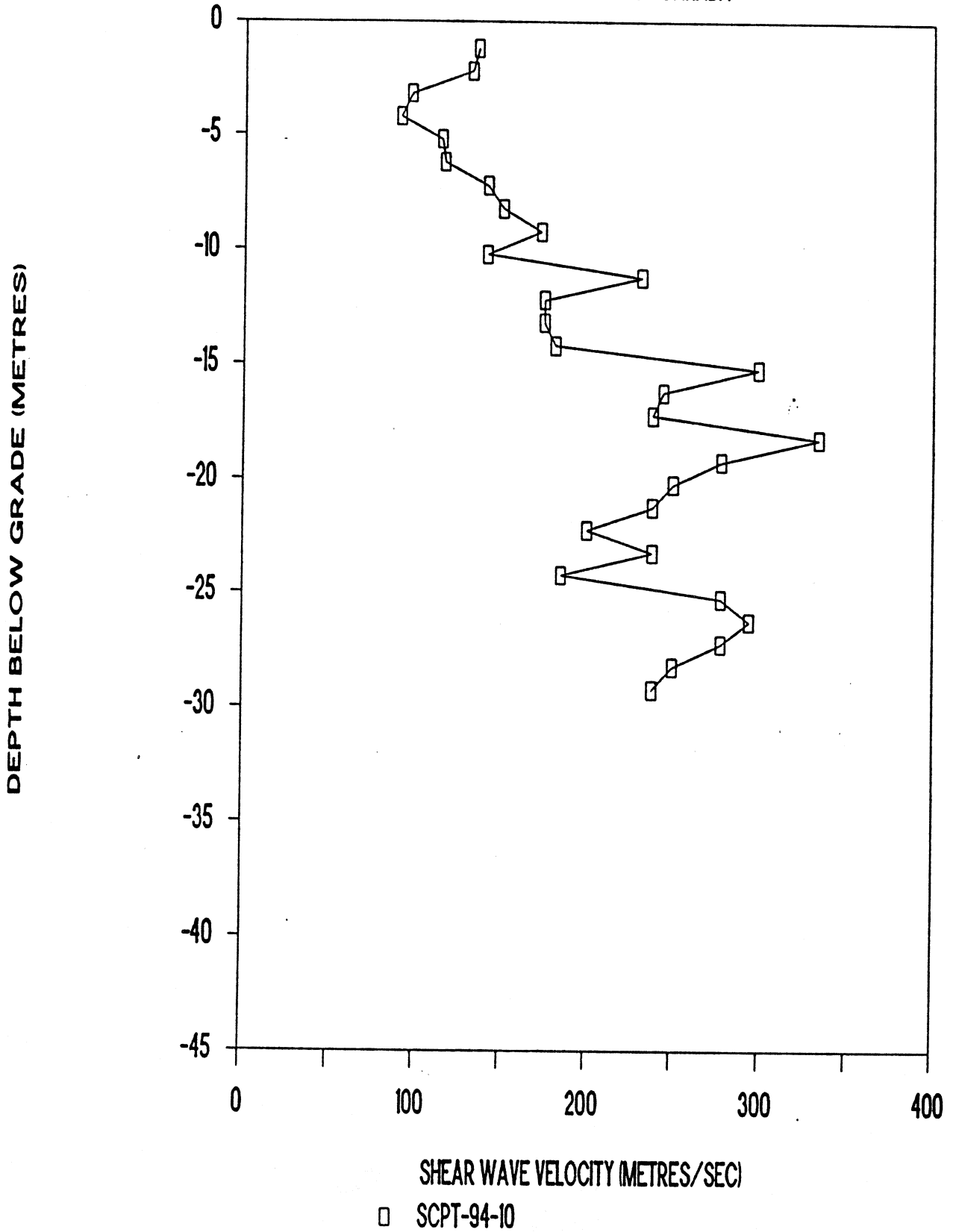
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



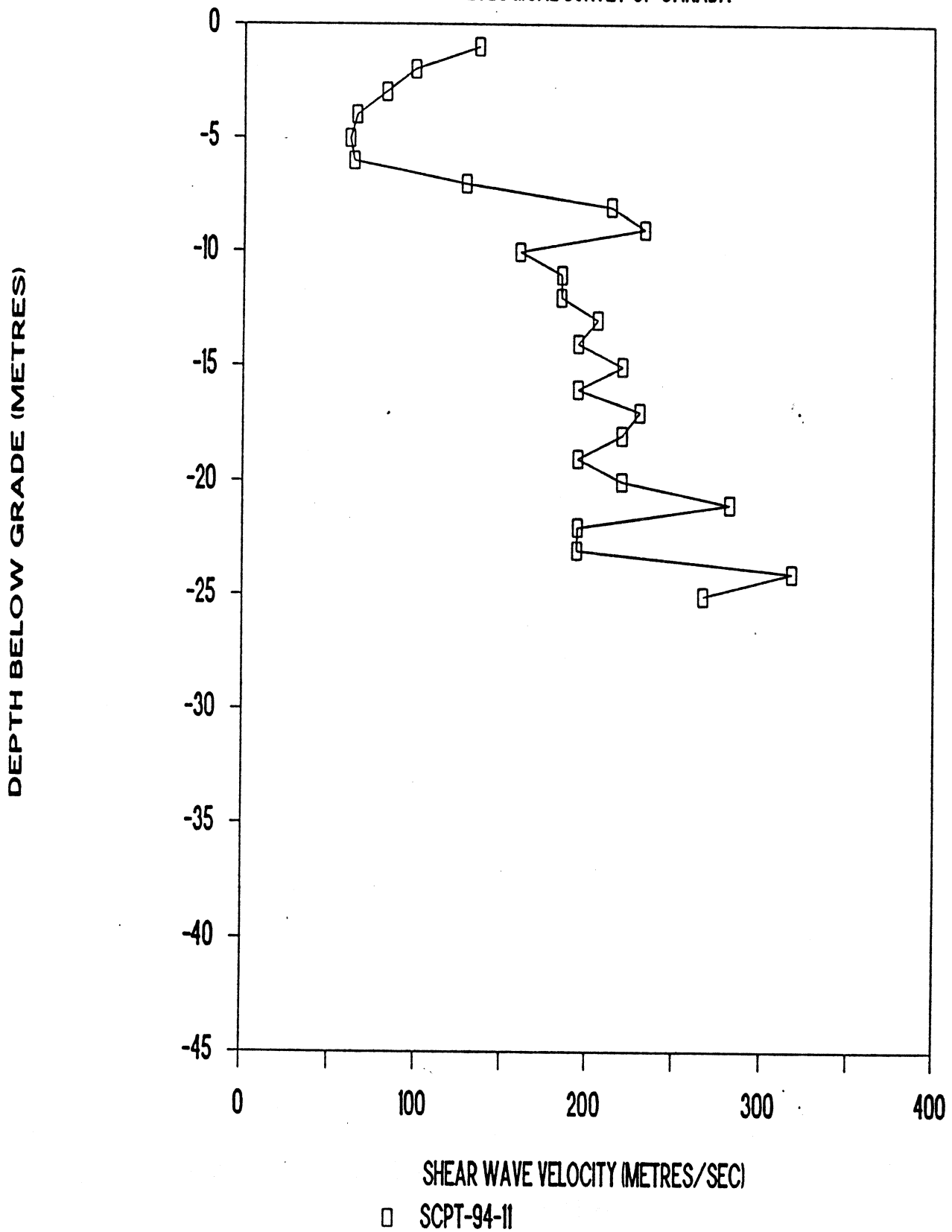
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



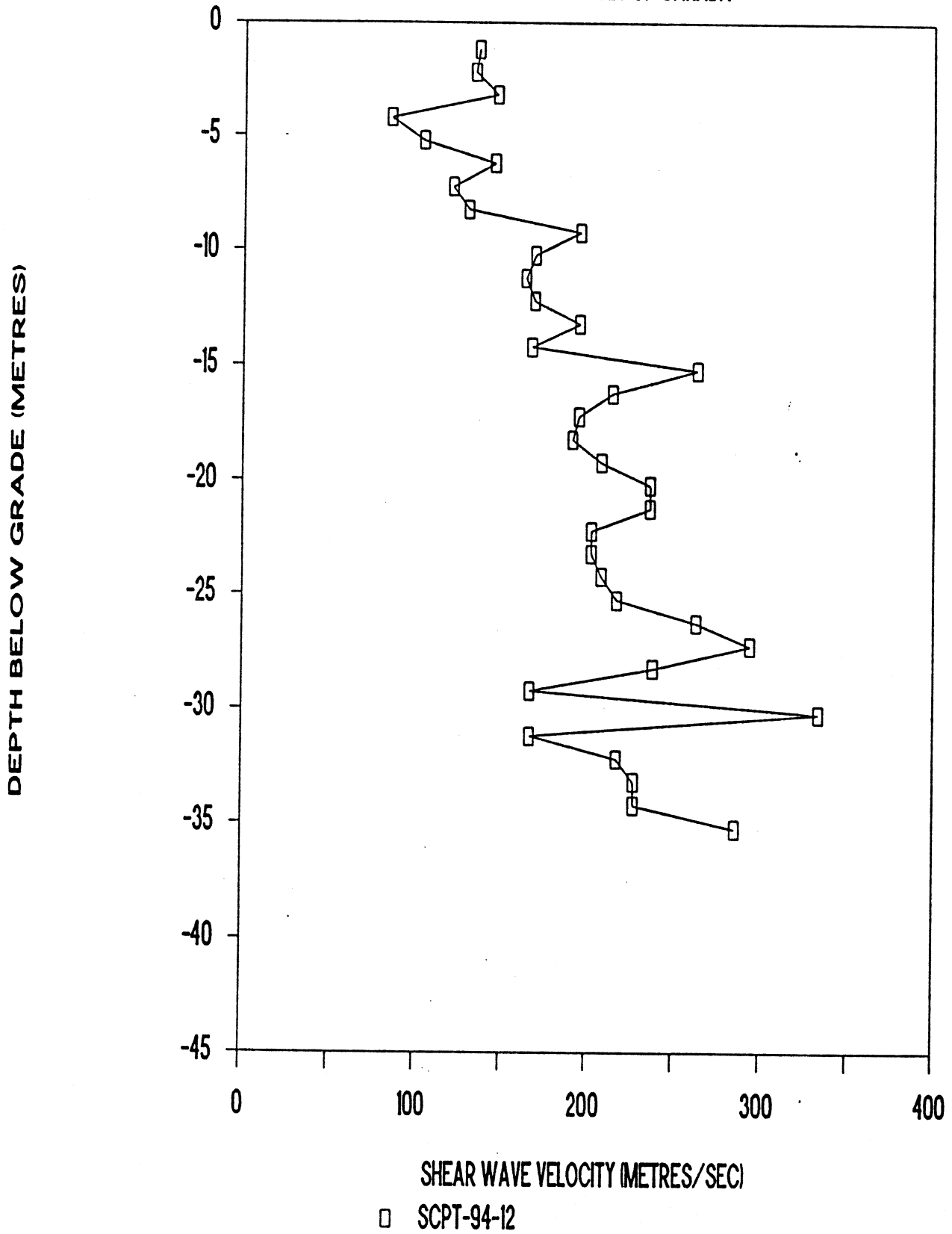
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



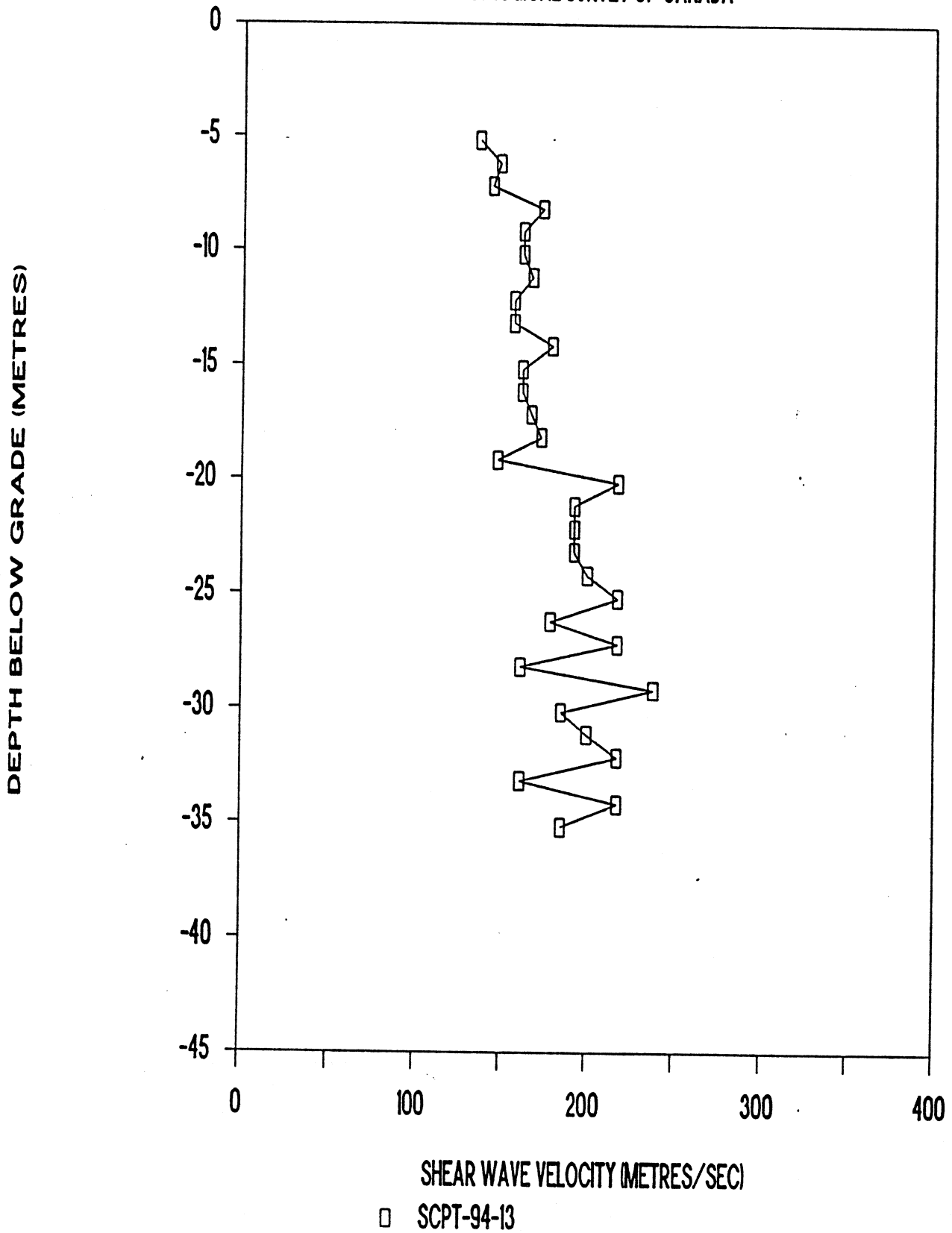
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



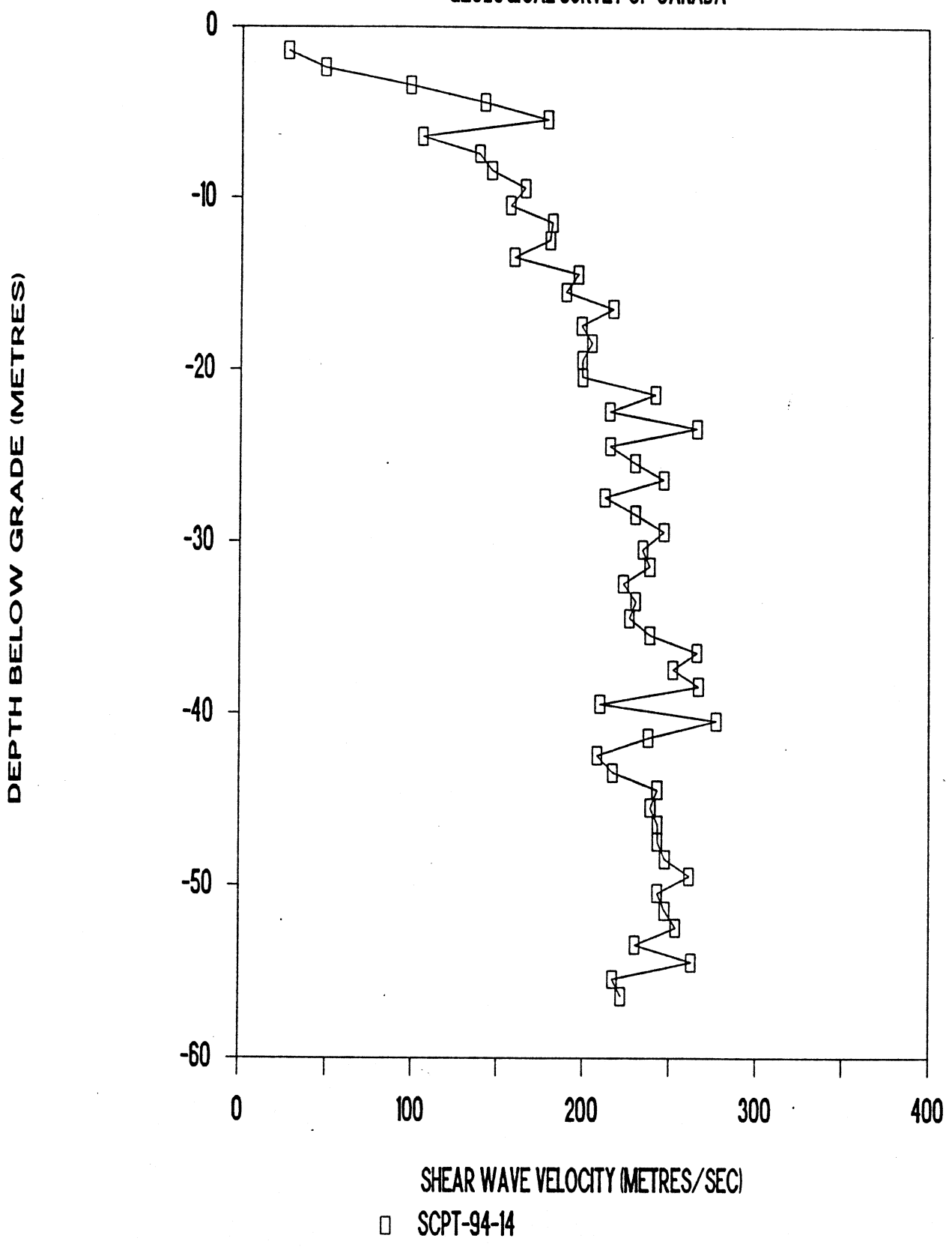
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



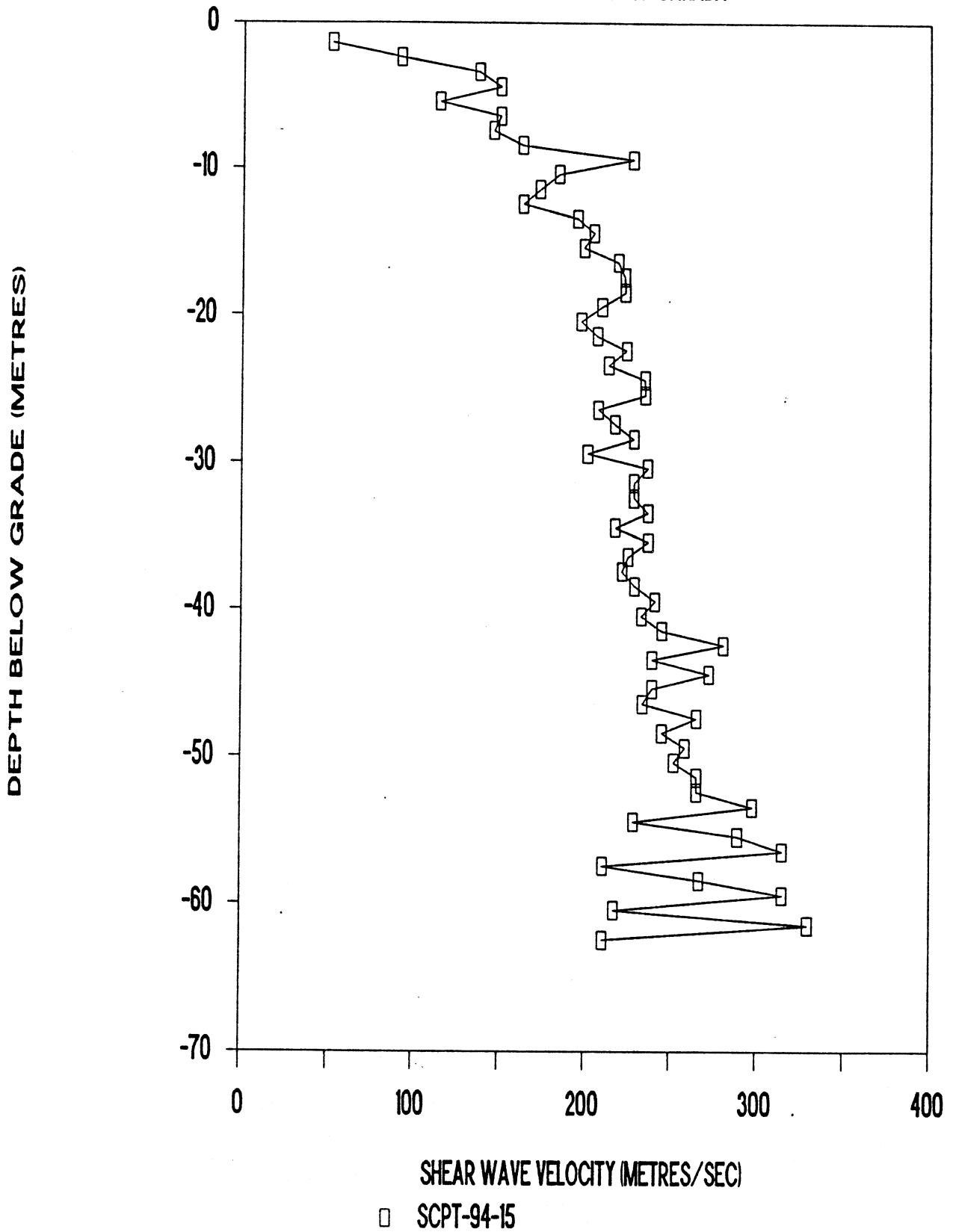
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



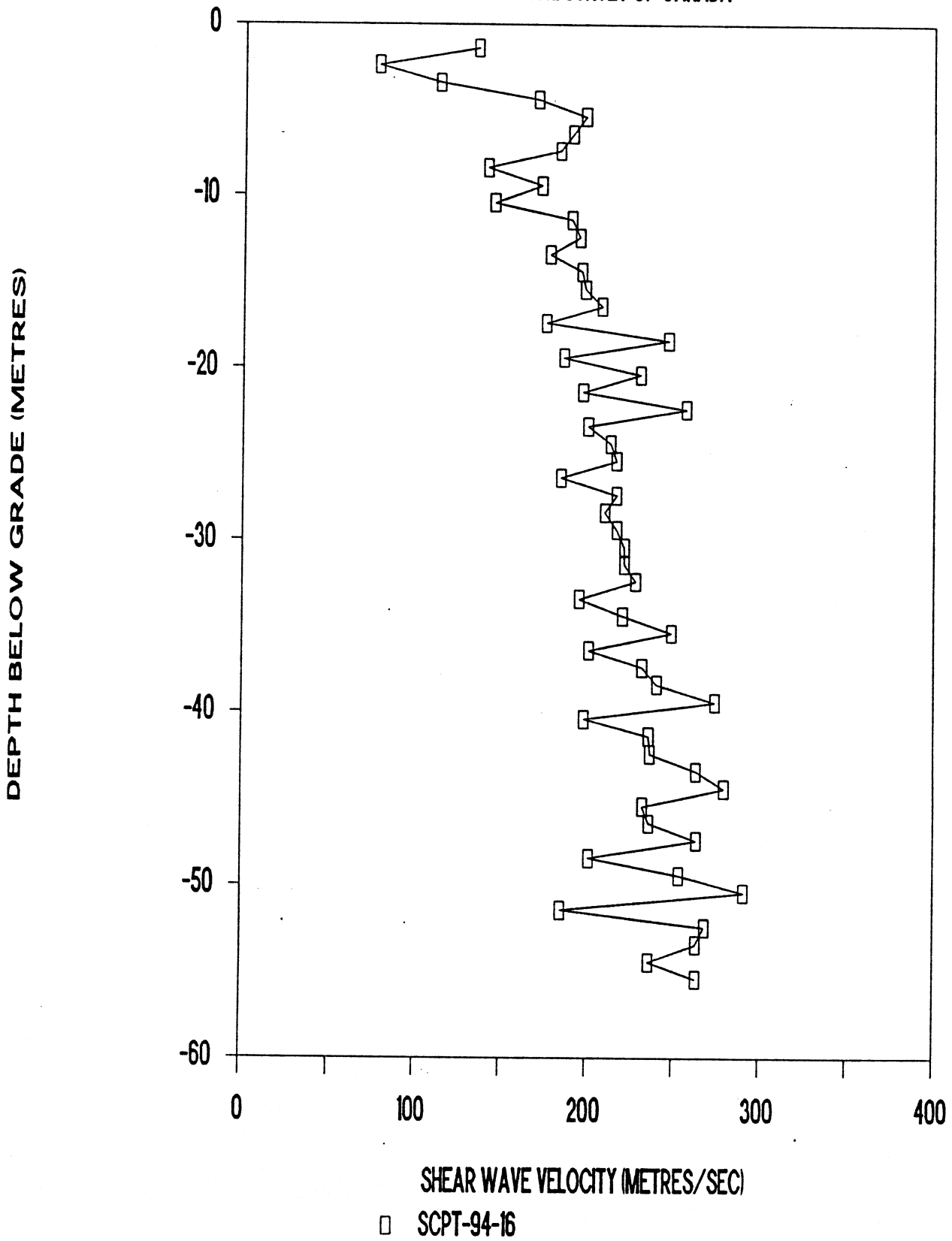
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



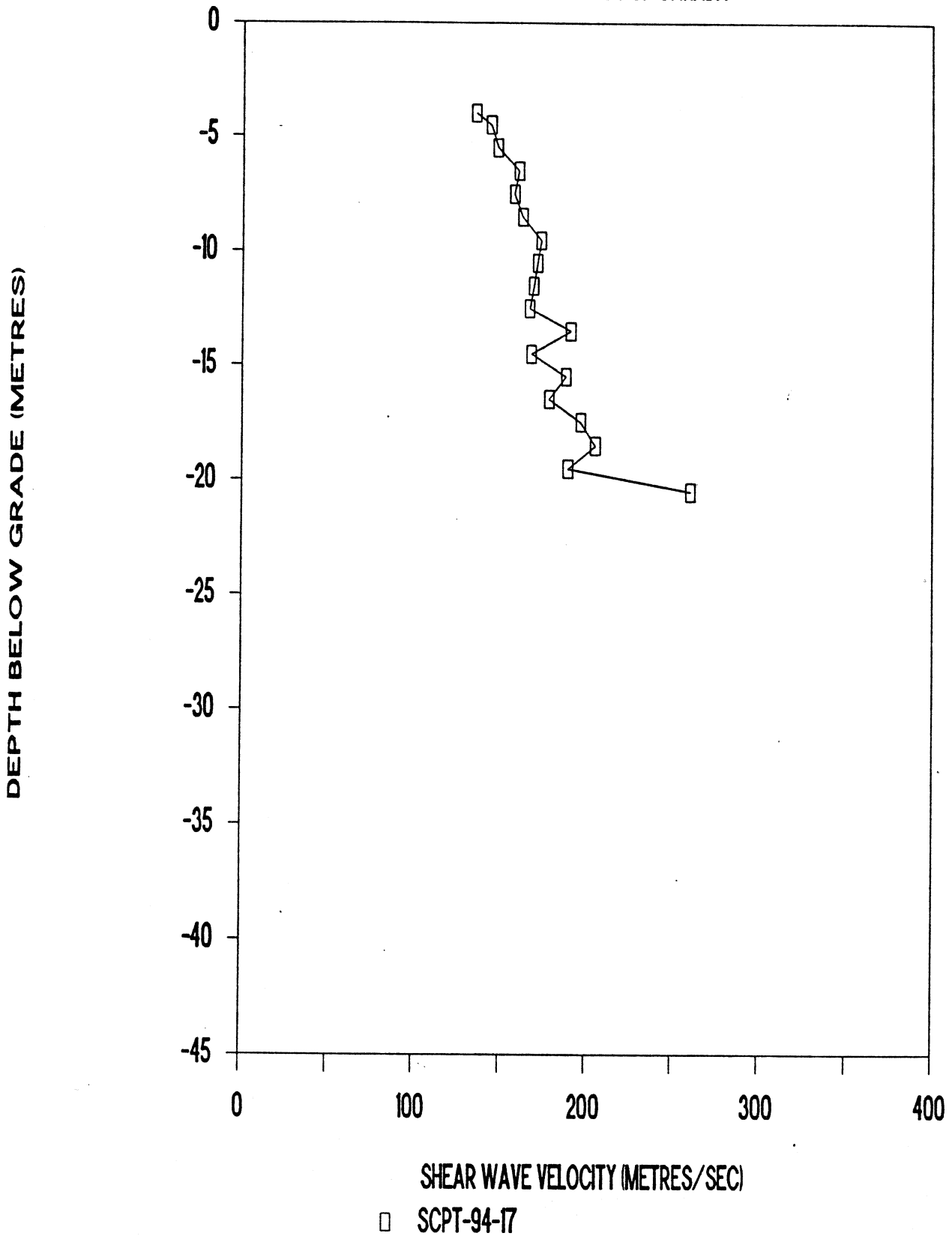
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



APPENDIX "D"

TABULATED RESULTS OF DOWNHOLE METHOD

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 3, 1994
 Geological Survey of Canada
 SCPT 94-1 SOUTH EAST SIDE OF MASSEY TUNNEL NORTHERN SCPT
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 006

Geophone Depth (m)	Distance (m)	X-Over (msec)	Cor X-Over (msec)	Average Depth Of Geophone (m)	Velocity From X-Over
0.7	0.921954	11.0	8.351822	-0.35	123.9
1.7	1.802775	16.2	15.27644	-1.2	144.4
2.7	2.765863	23.8	23.23325	-2.2	125.7
3.7	3.748332	30.6	30.20542	-3.2	143.4
4.7	4.738143	37.4	37.09892	-4.2	145.1
5.7	5.731491	43.6	43.36043	-5.2	159.7
6.7	6.726812	50.6	50.39831	-6.2	142.1
7.7	7.723341	56.6	56.42894	-7.2	165.8
8.7	8.720665	63.2	63.05023	-8.2	151.0
9.7	9.718538	69.4	69.26761	-9.2	160.8
10.7	10.71680	75.1	74.98220	-10.2	175.0
11.7	11.71537	81.2	81.09343	-11.2	163.6
12.7	12.71416	86.6	86.50351	-12.2	184.8
13.7	13.71313	91.7	91.61218	-13.2	195.7
14.7	14.71223	97.4	97.31896	-14.2	175.2
15.7	15.71146	103.0	102.9248	-15.2	178.4
16.7	16.71077	108.6	108.5299	-16.2	178.4
17.7	17.71016	114.1	114.0345	-17.2	181.7
18.7	18.70962	118.8	118.7388	-18.2	212.6
19.7	19.70913	123.5	123.4427	-19.2	212.6
20.7	20.70869	128.6	128.5460	-20.2	196.0
21.7	21.70829	133.1	133.0491	-21.2	222.1
22.7	22.70792	136.2	136.1524	-22.2	322.2
23.7	23.70759	141.0	140.9548	-23.2	208.2
24.7	24.70728	144.9	144.8572	-24.2	256.3
25.7	25.70700	149.2	149.1593	-25.2	232.4
26.7	26.70674	153.3	153.2613	-26.2	243.8
27.7	27.70649	157.6	157.5630	-27.2	232.5
28.7	28.70627	161.8	161.7646	-28.2	238.0
29.7	29.70605	166.0	165.9661	-29.2	238.0
30.7	30.70586	169.2	169.1676	-30.2	312.3
31.7	31.70567	173.3	173.2689	-31.2	243.8
32.7	32.70550	177.6	177.5701	-32.2	232.5
33.7	33.70534	181.7	181.6712	-33.2	243.8
34.7	34.70518	186.6	186.5721	-34.2	204.0
35.7	35.70504	190.7	190.6730	-35.2	243.8
36.7	36.70490	195.3	195.2739	-36.2	217.4
37.7	37.70477	199.2	199.1747	-37.2	256.4
38.7	38.70465	203.2	203.1755	-38.2	249.9
39.7	39.70453	207	206.9763	-39.2	263.1

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 3, 1994
 Geological Survey of Canada
 SCPT 94-2 SOUTH EAST SIDE OF MASSEY TUNNEL SOUTHERN SCPT
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 006

Geophone Depth (m)	Distance (m)	X-Over (msec)	Cor X-Over (msec)	Average Depth Of Geophone (m)	Velocity From X-Over
0.7	0.921954	9.5	7.174974	-0.35	97.6
1.7	1.802775	15.9	14.99354	-1.2	127.9
2.7	2.765863	24.7	24.11182	-2.2	109.7
3.7	3.748332	32.5	32.08092	-3.2	125.5
4.7	4.738143	39.5	39.18201	-4.2	140.8
5.7	5.731491	46.3	46.04560	-5.2	145.7
6.7	6.726812	52.3	52.09154	-6.2	165.4
7.7	7.723341	58.2	58.02410	-7.2	168.6
8.7	8.720665	64.1	63.94810	-8.2	168.8
9.7	9.718538	70.1	69.96627	-9.2	166.2
10.7	10.71680	76.7	76.57969	-10.2	151.2
11.7	11.71537	83.6	83.49028	-11.2	144.7
12.7	12.71416	88.9	88.80095	-12.2	188.3
13.7	13.71313	94.2	94.10978	-13.2	188.4
14.7	14.71223	99.4	99.31730	-14.2	192.0
15.7	15.71146	104.7	104.6236	-15.2	188.5
16.7	16.71077	110.0	109.9290	-16.2	188.5
17.7	17.71016	115.4	115.3337	-17.2	185.0
18.7	18.70962	120.4	120.3380	-18.2	199.8
19.7	19.70913	125.2	125.1419	-19.2	208.2
20.7	20.70869	129.8	129.7455	-20.2	217.2
21.7	21.70829	134.7	134.6485	-21.2	204.0
22.7	22.70792	139.8	139.7511	-22.2	196.0
23.7	23.70759	144.6	144.5536	-23.2	208.2
24.7	24.70728	148.8	148.7561	-24.2	238.0
25.7	25.70700	153.1	153.0582	-25.2	232.4
26.7	26.70674	157.8	157.7601	-26.2	212.7
27.7	27.70649	160.4	160.3623	-27.2	384.3
28.7	28.70627	163.8	163.7642	-28.2	294.0
29.7	29.70605	169.0	168.9655	-29.2	192.3
30.7	30.70586	172.9	172.8669	-30.2	256.3
31.7	31.70567	177.9	177.8681	-31.2	200.0
32.7	32.70550	182.2	182.1693	-32.2	232.5
33.7	33.70534	186.6	186.5704	-33.2	227.2
34.7	34.70518	191.6	191.5713	-34.2	200.0
35.7	35.70504	195.3	195.2724	-35.2	270.2
36.7	36.70490	198.6	198.5734	-36.2	302.9
37.7	37.70477	203.2	203.1742	-37.2	217.4
38.7	38.70465	208	207.9750	-38.2	208.3
39.7	39.70453	211.6	211.5758	-39.2	277.7
40.7	40.70442	216.1	216.0765	-40.2	222.2
41.7	41.70431	219.8	219.7772	-41.2	270.2

CONETEC
G.S.C., SHEAR WAVE VELOCITY STUDY

CLIENT: Geological Survey of Canada
 JOB #: 94-112
 LOCATION: 86th St. South of River Rd. Delta, B.C.
 HOLE: SCPT 94-3
 DATE: February 8, 1994
 CONE: AD No. 013
 SOURCE: Hammer and Beam
 RECEIVER: Geophone 0.2 m above cone tip
 OFFSET A: 0.6 metres

GEOPHONE DEPTH (m)	DISTANCE (m)	INTERVAL TIME (msec)	AVERAGE		
			COR INTERVAL (msec)	DEPTH OF S WAVE GEOPHONE (m)	VELOCITY (m/s)
0.78	0.984073	/			/
1.78	1.878403	9.1	8.623279	-1.28	115.97
2.78	2.844011	7.28	7.116146	-2.28	140.53
3.78	3.827322	8.3	8.197374	-3.28	121.99
4.78	4.817509	7.9	7.838489	-4.28	127.58
5.78	5.811058	6.9	6.863121	-5.28	145.71
6.78	6.806496	7.1	7.072360	-6.28	141.40
7.78	7.803101	6.3	6.281348	-7.28	159.20
8.78	8.800477	5.9	5.886271	-8.28	169.89
9.78	9.798387	5.9	5.888928	-9.28	169.81
10.78	10.79668	5.9	5.890882	-10.28	169.75
11.78	11.79527	5.5	5.492879	-11.28	182.05
12.78	12.79407	5.5	5.493948	-12.28	182.02
13.78	13.79305	5.49	5.484803	-13.28	182.32
14.78	14.79217	4.49	4.486304	-14.28	222.90
15.78	15.79140	4.89	4.886469	-15.28	204.65
16.78	16.79072	5.09	5.086749	-16.28	196.59
17.78	17.79012	4.72	4.717314	-17.28	211.99
18.78	18.78958	7.01	7.006425	-18.28	142.73
19.78	19.78909	5.55	5.547448	-19.28	180.26
20.78	20.78866	5.51	5.507704	-20.28	181.56
21.78	21.78826	5.23	5.228016	-21.28	191.28
22.78	22.78790	4.11	4.108575	-22.28	243.39
23.78	23.78756	4.11	4.108692	-23.28	243.39
24.78	24.78726	4.11	4.108795	-24.28	243.38
25.78	25.78698	4.72	4.718722	-25.28	211.92
26.78	26.78672	3.72	3.719066	-26.28	268.88
27.78	27.78647	4.69	4.688906	-27.28	213.27
28.78	28.78625	8.09	8.088242	-28.28	123.64
29.78	29.78604	5.09	5.088967	-29.28	196.50
30.78	30.78584	4.09	4.089223	-30.28	244.55
31.78	31.78566	4.09	4.089271	-31.28	244.54
32.78	32.78549	3.29	3.289449	-32.28	304.00
33.78	33.78532	3.29	3.289481	-33.28	304.00
34.78	34.78517	4.69	4.689302	-34.28	213.25
35.78	35.78503	4.69	4.689340	-35.28	213.25

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 10, 1994

Geological Survey of Canada

SCPT 94-4 80th STREET AND FRASER RIVER, DELTA, B.C.

Shear Source Offset 0.50 m / Seismometer 0.20 m above cone tip

Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
1.65	1.724093		0	-1.65	135.6
2.65	2.696757	6.9	6.790192	-2.15	147.3
3.65	3.684087	9.4	9.273395	-3.15	107.8
4.65	4.676804	6.8	6.731198	-4.15	148.6
5.65	5.672080	6.6	6.604190	-5.15	151.4
6.65	6.668770	7.3	7.319340	-6.15	136.6
7.65	7.666322	6.2	6.186799	-7.15	161.6
8.65	8.664438	5.2	5.191334	-8.15	192.6
9.65	9.662944	5.8	5.762270	-9.15	173.5
10.65	10.66173	5.6	5.623805	-10.15	177.8
11.65	11.66072	5.8	5.764693	-11.15	173.5
12.65	12.65987	5.1	5.056052	-12.15	197.8
13.65	13.65915	6.2	6.195844	-13.15	161.4
14.65	14.65852	5.6	5.596741	-14.15	178.7
15.65	15.65798	5.8	5.797042	-15.15	172.5
16.65	16.65750	6.1	6.087255	-16.15	164.3
17.65	17.65708	5.2	5.227902	-17.15	191.3
18.65	18.65670	5.8	5.797916	-18.15	172.5
19.65	19.65636	5.9	5.938077	-19.15	168.4
20.65	20.65605	4.7	4.658634	-20.15	214.7
21.65	21.65577	6.4	6.368301	-21.15	157.0
22.65	22.65551	5.4	5.368692	-22.15	186.3
23.65	23.65528	4.1	4.089086	-23.15	244.6
24.65	24.65507	3.8	3.799218	-24.15	263.2
25.65	25.65487	4.0	3.999240	-25.15	250.0
26.65	26.65469	4.2	4.229255	-26.15	236.4
27.65	27.65452	4.7	4.709230	-27.15	212.3
28.65	28.65436	3.9	3.899406	-28.15	256.4
29.65	29.65421	4.7	4.709330	-29.15	212.3
30.65	30.65407	3.6	3.589522	-30.15	278.6
31.65	31.65394	4.9	4.899388	-31.15	204.1
32.65	32.65382	3.5	3.449595	-32.15	289.9
33.65	33.65371	4.3	4.289526	-33.15	233.1
34.65	34.65360	4.2	4.199562	-34.15	238.1
35.65	35.65350	3.7	3.729633	-35.15	268.1

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 11, 1994

Geological Survey of Canada

SCPT 94-5 No. 4 Rd. and Westminster Hwy., Richmond, B.C.

Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip

Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.8					
1.8	1.897366	7.2	6.830519	-1.3	135.6
2.8	2.863564	7.4	7.235737	-2.3	138.2
3.8	3.847076	13.8	13.63112	-3.3	73.4
4.8	4.837354	10.6	10.51814	-4.3	95.1
5.8	5.830951	8.1	8.057003	-5.3	124.1
6.8	6.826419	6.6	6.574457	-6.3	152.1
7.8	7.823042	7.0	6.979381	-7.3	143.3
8.8	8.820430	7.0	6.983785	-8.3	143.2
9.8	9.818350	7.2	7.196524	-9.3	139.0
10.8	10.81665	10.6	10.59366	-10.3	94.4
11.8	11.81524	4.4	4.344387	-11.3	230.2
12.8	12.81405	5.5	5.523934	-12.3	181.0
13.8	13.81303	6.7	6.643723	-13.3	150.5
14.8	14.81215	6.1	6.094993	-14.3	164.1
15.8	15.81138	4.9	4.916456	-15.3	203.4
16.8	16.81071	5.5	5.466514	-16.3	182.9
17.8	17.81010	4.9	4.917207	-17.3	203.4
18.8	18.80957	6.2	6.206839	-18.3	161.1
19.8	19.80908	4.5	4.467949	-19.3	223.8
20.8	20.80865	3.3	3.298627	-20.3	303.2
21.8	21.80825	3.4	3.398712	-21.3	294.2
22.8	22.80789	4.4	4.438463	-22.3	225.3
23.8	23.80756	4.1	4.048713	-23.3	247.0
24.8	24.80725	5.6	5.618355	-24.3	178.0
25.8	25.80697	4.1	4.048905	-25.3	247.0
26.8	26.80671	3.6	3.549110	-26.3	281.8
27.8	27.80647	3.8	3.749126	-27.3	266.7
28.8	28.80624	3.8	3.829169	-28.3	261.2
29.8	29.80603	3.9	3.899209	-29.3	256.5
30.8	30.80584	4.1	4.109220	-30.3	243.4
31.8	31.80565	3.7	3.669346	-31.3	272.5

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 11, 1994

Geological Survey of Canada

SCPT 94-6 No. 80th St. @ BCR Tracks, Delta, B.C.

Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip

Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.65					
1.65	1.755704	6.9	6.493972	-1.15	135.6
2.65	2.717075	11.5	11.23560	-2.15	89.0
3.65	3.698986	8.5	8.407168	-3.15	118.9
4.65	4.688549	7.9	7.854880	-4.15	127.3
5.65	5.681769	8.1	8.066642	-5.15	124.0
6.65	6.677012	7.0	6.971680	-6.15	143.4
7.65	7.673493	6.2	6.181017	-7.15	161.8
8.65	8.670784	6.1	6.085378	-8.15	164.3
9.65	9.668634	5.6	5.579226	-9.15	179.2
10.65	10.66688	5.9	5.880674	-10.15	170.0
11.65	11.66544	6.3	6.291661	-11.15	158.9
12.65	12.66422	5.6	5.583722	-12.15	179.1
13.65	13.66318	4.9	4.865302	-13.15	205.5
14.65	14.66228	8.2	8.233097	-14.15	121.5
15.65	15.66149	5.0	4.976344	-15.15	201.0
16.65	16.66080	5.6	5.586373	-16.15	179.0
17.65	17.66019	5.1	5.077067	-17.15	197.0
18.65	18.65964	4.9	4.857486	-18.15	205.9
19.65	19.65915	4.2	4.148066	-19.15	241.1
20.65	20.65871	5.6	5.577646	-20.15	179.3
21.65	21.65831	3.8	3.798541	-21.15	263.3
22.65	22.65794	6.0	5.997895	-22.15	166.7
23.65	23.65760	4.6	4.598520	-23.15	217.5
24.65	24.65730	5.0	4.998519	-24.15	200.1
25.65	25.65701	4.3	4.298824	-25.15	232.6
26.65	26.65675	6.2	6.158439	-26.15	162.4
27.65	27.65650	4.6	4.588919	-27.15	217.9
28.65	28.65628	5.0	5.018899	-28.15	199.2
29.65	29.65607	4.0	4.019177	-29.15	248.8
30.65	30.65587	4.7	4.719095	-30.15	211.9
31.65	31.65568	4.5	4.499191	-31.15	222.3

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 11, 1994
 Geological Survey of Canada
 SCPT 94-7 No. 88th St. @ BCR Tracks, Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.55					
1.55	1.662077	5.8	5.408894	-1.05	135.6
2.55	2.619637	8.8	8.566071	-2.05	116.7
3.55	3.600347	6.8	6.704908	-3.05	149.1
4.55	4.589389	10.8	10.66764	-4.05	93.7
5.55	5.582338	7.2	7.188116	-5.05	139.1
6.55	6.577423	5.2	5.208194	-6.05	192.0
7.55	7.573803	6.6	6.609162	-7.05	151.3
8.55	8.571026	6.0	5.985280	-8.05	167.1
9.55	9.568829	5.4	5.389373	-9.05	185.6
10.55	10.56704	6.4	6.389674	-10.05	156.5
11.55	11.56557	6.0	5.991920	-11.05	166.9
12.55	12.56433	6.8	6.792241	-12.05	147.2
13.55	13.56327	4.8	4.795301	-13.05	208.5
14.55	14.56236	5.6	5.595244	-14.05	178.7
15.55	15.56157	5.8	5.795687	-15.05	172.5
16.55	16.56087	4.0	3.997373	-16.05	250.2
17.55	17.56025	3.8	3.797781	-17.05	263.3
18.55	18.55970	4.0	3.997909	-18.05	250.1
19.55	19.55920	4.0	3.998117	-19.05	250.1
20.55	20.55875	3.6	3.598466	-20.05	277.9
21.55	21.55835	4.0	3.998450	-21.05	250.1
22.55	22.55798	4.6	4.598372	-22.05	217.5
23.55	23.55764	4.7	4.698475	-23.05	212.8
24.55	24.55733	5.0	4.998507	-24.05	200.1
25.55	25.55704	4.4	4.398787	-25.05	227.3
26.55	26.55677	4.5	4.498851	-26.05	222.3
27.55	27.55653	4.1	4.099028	-27.05	244.0
28.55	28.55630	4.0	3.999116	-28.05	250.1
29.55	29.55609	4.2	4.199134	-29.05	238.1
30.55	30.55589	4.5	4.459140	-30.05	224.3
31.55	31.55570	5.1	5.099078	-31.05	196.1
32.55	32.55552	4.4	4.359259	-32.05	229.4
33.55	33.55536	4.0	4.039354	-33.05	247.6
34.55	34.55520	5.4	5.399185	-34.05	185.2
35.55	35.55506	5.0	5.029283	-35.05	198.8

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 15, 1994
 Geological Survey of Canada
 SCPT-8 No. 96th. St. @ dyke, Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.55					
1.55	1.662077	5.0	4.662840	-1.05	135.6
2.55	2.619637	9.0	8.760754	-2.05	114.1
3.55	3.600347	9.7	9.524914	-3.05	105.0
4.55	4.589389	8.7	8.585672	-4.05	116.5
5.55	5.582338	6.9	6.820260	-5.05	146.6
6.55	6.577423	6.5	6.433066	-6.05	155.4
7.55	7.573803	5.3	5.243468	-7.05	190.7
8.55	8.571026	5.5	5.446605	-8.05	183.6
9.55	9.568829	4.3	4.251617	-9.05	235.2
10.55	10.56704	4.5	4.452804	-10.05	224.6
11.55	11.56557	5.3	5.252917	-11.05	190.4
12.55	12.56433	5.7	5.653542	-12.05	176.9
13.55	13.56327	4.5	4.455633	-13.05	224.4
14.55	14.56236	4.3	4.256382	-14.05	234.9
15.55	15.56157	4.3	4.296802	-15.05	232.7
16.55	16.56087	3.5	3.457728	-16.05	289.2
17.55	17.56025	3.7	3.657862	-17.05	273.4
18.55	18.55970	3.9	3.857982	-18.05	259.2
19.55	19.55920	4.0	3.998117	-19.05	250.1
20.55	20.55875	4.0	3.998296	-20.05	250.1
21.55	21.55835	3.4	3.398682	-21.05	294.2
22.55	22.55798	3.8	3.798655	-22.05	263.3
23.55	23.55764	5.2	5.198313	-23.05	192.4
24.55	24.55733	3.2	3.199044	-24.05	312.6
25.55	25.55704	4.6	4.598732	-25.05	217.5
26.55	26.55677	4.6	4.598825	-26.05	217.4
27.55	27.55653	4.6	4.598909	-27.05	217.4
28.55	28.55630	4.2	4.199072	-28.05	238.1
29.55	29.55609	5.0	4.998969	-29.05	200.0
30.55	30.55589	4.2	4.199190	-30.05	238.1
31.55	31.55570	5.2	5.199059	-31.05	192.3

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 15, 1994
 Geological Survey of Canada
 SCPT-9 No. 104th. St. @ dyke, Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.7					
1.7	1.802775	3.7	3.517353	-1.2	135.6
2.7	2.765863	7.1	6.891880	-2.2	145.1
3.7	3.748332	4.0	3.987906	-3.2	250.8
4.7	4.738143	6.3	6.229444	-4.2	160.5
5.7	5.731491	9.6	9.587032	-5.2	104.3
6.7	6.726812	8.5	8.486040	-6.2	117.8
7.7	7.723341	8.0	7.935943	-7.2	126.0
8.7	8.720665	5.7	5.706445	-8.2	175.2
9.7	9.718538	6.3	6.268020	-9.2	159.5
10.7	10.71680	4.0	4.033663	-10.2	247.9
11.7	11.71537	5.4	5.432860	-11.2	184.1
12.7	12.71416	4.9	4.874563	-12.2	205.1
13.7	13.71313	4.6	4.595594	-13.2	217.6
14.7	14.71223	5.2	5.155707	-14.2	194.0
15.7	15.71146	5.0	4.996352	-15.2	200.1
16.7	16.71077	4.4	4.397162	-16.2	227.4
17.7	17.71016	4.8	4.797244	-17.2	208.5
18.7	18.70962	4.6	4.597634	-18.2	217.5
19.7	19.70913	6.2	6.197126	-19.2	161.4
20.7	20.70869	3.6	3.598488	-20.2	277.9
21.7	21.70829	3.8	3.798548	-21.2	263.3
22.7	22.70792	3.0	2.998952	-22.2	333.4

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 15, 1994
 Geological Survey of Canada
 SCPT-10 No. 112th. St. @ dyke, Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.7					
1.7	1.802775	6.2	5.874829	-1.2	135.6
2.7	2.765863	7.8	7.575211	-2.2	132.0
3.7	3.748332	10.5	10.39422	-3.2	96.2
4.7	4.738143	11.2	11.10983	-4.2	90.0
5.7	5.731491	8.8	8.761593	-5.2	114.1
6.7	6.726812	8.7	8.635442	-6.2	115.8
7.7	7.723341	7.1	7.078542	-7.2	141.3
8.7	8.720665	6.7	6.654194	-8.2	150.3
9.7	9.718538	5.8	5.798916	-9.2	172.4
10.7	10.71680	7.1	7.088863	-10.2	141.1
11.7	11.71537	4.3	4.324317	-11.2	231.3
12.7	12.71416	5.7	5.723615	-12.2	174.7
13.7	13.71313	5.7	5.724512	-13.2	174.7
14.7	14.71223	5.5	5.525399	-14.2	181.0
15.7	15.71146	3.4	3.347556	-15.2	298.7
16.7	16.71077	4.1	4.097356	-16.2	244.1
17.7	17.71016	4.2	4.197588	-17.2	238.2
18.7	18.70962	3.0	2.998456	-18.2	333.5
19.7	19.70913	3.6	3.598331	-19.2	277.9
20.7	20.70869	4.0	3.998320	-20.2	250.1
21.7	21.70829	4.2	4.198395	-21.2	238.2
22.7	22.70792	5.0	4.998254	-22.2	200.1

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 22, 1994

Geological Survey of Canada
 SCPT-11 Burn Rd., Delta, B.C.

Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.5					
1.5	1.615549	4.8	4.456688	-1	135.6
2.5	2.570992	10.5	10.17117	-2	98.3
3.5	3.551056	12.4	12.26114	-3	81.6
4.5	4.539823	15.6	15.50280	-4	64.5
5.5	5.532630	16.6	16.54186	-5	60.5
6.5	6.527633	16.0	15.89243	-6	62.9
7.5	7.523961	7.8	7.815031	-7	128.0
8.5	8.521150	4.7	4.688334	-8	213.3
9.5	9.518928	4.3	4.301429	-9	232.5
10.5	10.51712	6.3	6.259788	-10	159.7
11.5	11.51564	5.4	5.422624	-11	184.4
12.5	12.51439	5.4	5.423755	-12	184.4
13.5	13.51332	4.9	4.865197	-13	205.5
14.5	14.51240	5.2	5.145596	-14	194.3
15.5	15.51160	4.6	4.546594	-15	219.9
16.5	16.51090	5.2	5.146598	-16	194.3
17.5	17.51028	4.4	4.347445	-17	230.0
18.5	18.50972	4.6	4.547608	-18	219.9
19.5	19.50922	5.2	5.147563	-19	194.3
20.5	20.50877	4.6	4.548052	-20	219.9
21.5	21.50837	3.6	3.548618	-21	281.8
22.5	22.50799	5.2	5.148169	-22	194.2
23.5	23.50765	5.2	5.154320	-23	194.0
24.5	24.50734	3.2	3.149055	-24	317.6
25.5	25.50705	3.8	3.748962	-25	266.7

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 22, 1994
 Geological Survey of Canada
 SCPT-12 Burn Rd., Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.7					
1.7	1.802775	7.0	6.600932	-1.2	135.6
2.7	2.765863	7.7	7.497116	-2.2	133.4
3.7	3.748332	6.9	6.840640	-3.2	146.2
4.7	4.738143	11.9	11.83396	-4.2	84.5
5.7	5.731491	9.7	9.676538	-5.2	103.3
6.7	6.726812	6.9	6.902378	-6.2	144.9
7.7	7.723341	8.3	8.304825	-7.2	120.4
8.7	8.720665	7.7	7.711682	-8.2	129.7
9.7	9.718538	5.1	5.120214	-9.2	195.3
10.7	10.71680	5.9	5.920698	-10.2	168.9
11.7	11.71537	6.1	6.121955	-11.2	163.3
12.7	12.71416	5.9	5.923393	-12.2	168.8
13.7	13.71313	5.1	5.125087	-13.2	195.1
14.7	14.71223	6.0	5.985016	-14.2	167.1
15.7	15.71146	3.8	3.797228	-15.2	263.3
16.7	16.71077	4.7	4.656995	-16.2	214.7
17.7	17.71016	5.1	5.127055	-17.2	195.0
18.7	18.70962	5.2	5.227309	-18.2	191.3
19.7	19.70913	4.8	4.797775	-19.2	208.4
20.7	20.70869	4.2	4.228224	-20.2	236.5
21.7	21.70829	4.2	4.228383	-21.2	236.5
22.7	22.70792	4.9	4.938275	-22.2	202.5
23.7	23.70759	4.9	4.938417	-23.2	202.5
24.7	24.70728	4.8	4.798584	-24.2	208.4
25.7	25.70700	4.6	4.598746	-25.2	217.5

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 February 22, 1994
 Geological Survey of Canada
 SCPT-13 Roberts Bank Delta, B.C.
 Shear Source Offset 0.60 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
4.65					
5.65	5.681769	7.4	7.358623	-5.15	135.6
6.65	6.677012	6.8	6.772489	-6.15	147.7
7.65	7.673493	7.0	6.978568	-7.15	143.3
8.65	8.670784	5.8	5.786097	-8.15	172.8
9.65	9.668634	6.2	6.188050	-9.15	161.6
10.65	10.66688	6.2	6.190184	-10.15	161.5
11.65	11.66544	6.0	5.992058	-11.15	166.9
12.65	12.66422	6.4	6.392813	-12.15	156.4
13.65	13.66318	6.4	6.393826	-13.15	156.4
14.65	14.66228	5.6	5.595309	-14.15	178.7
15.65	15.66149	6.2	6.195448	-15.15	161.4
16.65	16.66080	6.2	6.195978	-16.15	161.4
17.65	17.66019	6.0	5.996536	-17.15	166.8
18.65	18.65964	5.8	5.797000	-18.15	172.5
19.65	19.65915	6.8	6.796832	-19.15	147.1
20.65	20.65871	4.6	4.598059	-20.15	217.5
21.65	21.65831	5.2	5.198004	-21.15	192.4
22.65	22.65794	5.2	5.198176	-22.15	192.4
23.65	23.65760	5.2	5.198327	-23.15	192.4
24.65	24.65730	5.0	4.998519	-24.15	200.1
25.65	25.65701	4.6	4.598742	-25.15	217.5
26.65	26.65675	5.6	5.598581	-26.15	178.6
27.65	27.65650	4.6	4.598917	-27.15	217.4
28.65	28.65628	6.2	6.198640	-28.15	161.3
29.65	29.65607	4.2	4.199140	-29.15	238.1
30.65	30.65587	5.4	5.398965	-30.15	185.2
31.65	31.65568	5.0	4.999101	-31.15	200.0
32.65	32.65551	4.6	4.599223	-32.15	217.4
33.65	33.65534	6.2	6.199014	-33.15	161.3
34.65	34.65519	4.6	4.599310	-34.15	217.4
35.65	35.65504	5.4	5.399235	-35.15	185.2

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 March 2, 1994
 Geological Survey of Canada
 SCPT-14 No.4/Westminster
 Shear Source Offset 3.00 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.9	3.132091				
1.9	3.551056	20.1	37.56643	-1.4	26.6
2.9	4.172529	14.5	20.81948	-2.4	48.0
3.9	4.920365	8.1	10.25707	-3.4	97.5
4.9	5.745432	6.0	7.082125	-4.4	141.2
5.9	6.618912	5.0	5.609247	-5.4	178.3
6.9	7.523961	8.8	9.573968	-6.4	104.4
7.9	8.450443	6.8	7.231012	-7.4	138.3
8.9	9.392017	6.5	6.880444	-8.4	145.3
9.9	10.34456	5.8	6.060451	-9.4	165.0
10.9	11.30530	6.2	6.389055	-10.4	156.5
11.9	12.27232	5.4	5.527703	-11.4	180.9
12.9	13.24424	5.4	5.574902	-12.4	179.4
13.9	14.22005	6.2	6.301837	-13.4	158.7
14.9	15.19901	5.0	5.100339	-14.4	196.1
15.9	16.18054	5.2	5.291750	-15.4	189.0
16.9	17.16420	4.6	4.621132	-16.4	216.4
17.9	18.14965	5.0	5.049457	-17.4	198.0
18.9	19.13661	4.8	4.900593	-18.4	204.1
19.9	20.12486	5.0	5.036271	-19.4	198.6
20.9	21.11421	5.0	5.031042	-20.4	198.8
21.9	22.10452	4.1	4.148383	-21.4	241.1
22.9	23.09567	4.6	4.659475	-22.4	214.6
23.9	24.08754	3.7	3.769348	-23.4	265.3
24.9	25.08007	4.6	4.653410	-24.4	214.9
25.9	26.07316	4.3	4.358950	-25.4	229.4
26.9	27.06676	4.0	4.065046	-26.4	246.0
27.9	28.06082	4.7	4.717035	-27.4	212.0
28.9	29.05529	4.3	4.353266	-28.4	229.7
29.9	30.05012	4.0	4.060284	-29.4	246.3
30.9	31.04528	4.3	4.269983	-30.4	234.2
31.9	32.04075	4.2	4.198443	-31.4	238.2
32.9	33.03649	4.5	4.488545	-32.4	222.8
33.9	34.03248	4.3	4.346922	-33.4	230.0
34.9	35.02870	4.4	4.416226	-34.4	226.4
35.9	36.02513	4.2	4.194569	-35.4	238.4
36.9	37.02175	3.8	3.762373	-36.4	265.8
37.9	38.01854	4.0	3.972386	-37.4	251.7
38.9	39.01550	3.7	3.751105	-38.4	266.6
39.9	40.01262	4.76	4.773435	-39.4	209.5
40.9	41.00987	3.6	3.609671	-40.4	277.0
41.9	42.00726	4.2	4.210751	-41.4	237.5
42.9	43.00476	4.8	4.811722	-42.4	207.8
43.9	44.00238	4.6	4.610728	-43.4	216.9
44.9	45.00011	4.11	4.119163	-44.4	242.8
45.9	45.99793	4.18	4.188918	-45.4	238.7
46.9	46.99585	4.11	4.118399	-46.4	242.8
47.9	47.99385	4.11	4.118053	-47.4	242.8
48.9	48.99193	4.04	4.047595	-48.4	247.1
49.9	49.99009	3.82	3.826897	-49.4	261.3
50.9	50.98833	4.11	4.117132	-50.4	242.9
51.9	51.98663	4.04	4.046743	-51.4	247.1
52.9	52.98499	3.94	3.946330	-52.4	253.4
53.9	53.98342	4.34	4.346717	-53.4	230.1

54.9	54.98190	3.8	3.805669	-54.4	262.8
55.9	55.98044	4.6	4.606619	-55.4	217.1
56.9	56.97903	4.5	4.506250	-56.4	221.9

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 March 3, 1994
 Geological Survey of Canada
 SCPT-15 No.4/Westminster
 Shear Source Offset 3.00 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 013

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	cone tip Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.9	3.132091				
1.9	3.551056	10.4	19.45604	-1.4	51.4
2.9	4.172529	7.6	10.87735	-2.4	91.9
3.9	4.920365	5.8	7.267001	-3.4	137.6
4.9	5.745432	5.7	6.648286	-4.4	150.4
5.9	6.618912	7.8	8.727989	-5.4	114.6
6.9	7.523961	6.1	6.662522	-6.4	150.1
7.9	8.450443	6.4	6.845929	-7.4	146.1
8.9	9.392017	5.8	6.131193	-8.4	163.1
9.9	10.34456	4.2	4.399051	-9.4	227.3
10.9	11.30530	5.2	5.424473	-10.4	184.3
11.9	12.27232	5.6	5.775212	-11.4	173.2
12.9	13.24424	6.0	6.119046	-12.4	163.4
13.9	14.22005	5.0	5.125358	-13.4	195.1
14.9	15.19901	4.8	4.886125	-14.4	204.7
15.9	16.18054	4.9	5.027162	-15.4	198.9
16.9	17.16420	4.5	4.570350	-16.4	218.8
17.9	18.14965	4.4	4.491786	-17.4	222.6
18.9	19.13661	4.4	4.485460	-18.4	222.9
19.9	20.12486	4.7	4.773333	-19.4	209.5
20.9	21.11421	5.0	5.061349	-20.4	197.6
21.9	22.10452	4.8	4.834733	-21.4	206.8
22.9	23.09567	4.4	4.467852	-22.4	223.8
23.9	24.08754	4.7	4.686489	-23.4	213.4
24.9	25.08007	4.2	4.260590	-24.4	234.7
25.9	26.07316	4.2	4.258281	-25.4	234.8
26.9	27.06676	4.8	4.819696	-26.4	207.5
27.9	28.06082	4.6	4.606400	-27.4	217.1
28.9	29.05529	4.4	4.383428	-28.4	228.1
29.9	30.05012	4.9	4.964803	-29.4	201.4
30.9	31.04528	4.2	4.229795	-30.4	236.4
31.9	32.04075	4.4	4.379238	-31.4	228.4
32.9	33.03649	4.4	4.378088	-32.4	228.4
33.9	34.03248	4.2	4.226453	-33.4	236.6
34.9	35.02870	4.6	4.596889	-34.4	217.5
35.9	36.02513	4.2	4.224674	-35.4	236.7
36.9	37.02175	4.4	4.444616	-36.4	225.0
37.9	38.01854	4.5	4.514075	-37.4	221.5
38.9	39.01550	4.4	4.372946	-38.4	228.7
39.9	40.01262	4.14	4.151685	-39.4	240.9
40.9	41.00987	4.28	4.291498	-40.4	233.0
41.9	42.00726	4.07	4.080418	-41.4	245.1
42.9	43.00476	3.55	3.558669	-42.4	281.0
43.9	44.00238	4.17	4.179725	-43.4	239.3
44.9	45.00011	3.66	3.668160	-44.4	272.6
45.9	45.99793	4.17	4.178897	-45.4	239.3
46.9	46.99585	4.27	4.278726	-46.4	233.7
47.9	47.99385	3.76	3.767367	-47.4	265.4
48.9	48.99193	4.07	4.077652	-48.4	245.2
49.9	49.99009	3.86	3.866969	-49.4	258.6
50.9	50.98833	3.96	3.966872	-50.4	252.1
51.9	51.98663	3.76	3.766276	-51.4	265.5
52.9	52.98499	3.76	3.766041	-52.4	265.5
53.9	53.98342	3.35	3.355184	-53.4	298.0

54.9	54.98190	4.37	4.376519	-54.4	228.5
55.9	55.98044	3.45	3.454964	-55.4	289.4
56.9	56.97903	3.17	3.174402	-56.4	315.0
57.9	57.97766	4.74	4.746358	-57.4	210.7
58.9	58.97635	3.74	3.744848	-58.4	267.0
59.9	59.97507	3.17	3.173973	-59.4	315.1
60.9	60.97384	4.6	4.605577	-60.4	217.1
61.9	61.97265	3.03	3.033556	-61.4	329.6
62.9	62.97150	4.74	4.745388	-62.4	210.7

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 March 3, 1994
 Geological Survey of Canada
 SCPT-16 No.4/Westminster
 Shear Source Offset 3.00 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 066

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
0.9					
1.9	3.551056	10.0	18.68976	-1.4	135.6
2.9	4.172529	9.0	12.94922	-2.4	77.2
3.9	4.920365	7.0	8.831425	-3.4	113.2
4.9	5.745432	5.0	5.862686	-4.4	170.6
5.9	6.618912	4.5	5.048322	-5.4	198.1
6.9	7.523961	4.8	5.244964	-6.4	190.7
7.9	8.450443	5.1	5.455349	-7.4	183.3
8.9	9.392017	6.7	7.080948	-8.4	141.2
9.9	10.34456	5.5	5.788776	-9.4	172.7
10.9	11.30530	6.6	6.876531	-10.4	145.4
11.9	12.27232	5.1	5.259568	-11.4	190.1
12.9	13.24424	5.0	5.133427	-12.4	194.8
13.9	14.22005	5.5	5.626640	-13.4	177.7
14.9	15.19901	5.0	5.100339	-14.4	196.1
15.9	16.18054	5.0	5.047515	-15.4	198.1
16.9	17.16420	4.7	4.814103	-16.4	207.7
17.9	18.14965	5.6	5.688244	-17.4	175.8
18.9	19.13661	4.0	4.060202	-18.4	246.3
19.9	20.12486	5.3	5.380113	-19.4	185.9
20.9	21.11421	4.3	4.344072	-20.4	230.2
21.9	22.10452	5.0	5.076975	-21.4	197.0
22.9	23.09567	3.9	3.892982	-22.4	256.9
23.9	24.08754	5.0	4.998922	-23.4	200.0
24.9	25.08007	4.7	4.693700	-24.4	213.1
25.9	26.07316	4.6	4.620688	-25.4	216.4
26.9	27.06676	5.4	5.423415	-26.4	184.4
27.9	28.06082	4.6	4.616458	-27.4	216.6
28.9	29.05529	4.7	4.765470	-28.4	209.8
29.9	30.05012	4.6	4.613045	-29.4	216.8
30.9	31.04528	4.5	4.521158	-30.4	221.2
31.9	32.04075	4.5	4.519855	-31.4	221.2
32.9	33.03649	4.4	4.388130	-32.4	227.9
33.9	34.03248	5.1	5.119931	-33.4	195.3
34.9	35.02870	4.5	4.536668	-34.4	220.4
35.9	36.02513	4.0	4.023976	-35.4	248.5
36.9	37.02175	5.0	4.976365	-36.4	200.9
37.9	38.01854	4.3	4.313450	-37.4	231.8
38.9	39.01550	4.2	4.162323	-38.4	240.3
39.9	40.01262	3.64	3.650274	-39.4	274.0
40.9	41.00987	5.03	5.043512	-40.4	198.3
41.9	42.00726	4.23	4.240828	-41.4	235.8
42.9	43.00476	4.22	4.230305	-42.4	236.4
43.9	44.00238	3.79	3.798839	-43.4	263.2
44.9	45.00011	3.57	3.577959	-44.4	279.5
45.9	45.99793	4.3	4.309174	-45.4	232.1
46.9	46.99585	4.23	4.238644	-46.4	235.9
47.9	47.99385	3.79	3.797426	-47.4	263.3
48.9	48.99193	4.96	4.969325	-48.4	201.2
49.9	49.99009	3.94	3.947114	-49.4	253.3
50.9	50.98833	3.43	3.435952	-50.4	291.0
51.9	51.98663	5.39	5.398997	-51.4	185.2
52.9	52.98499	3.72	3.725977	-52.4	268.4
53.9	53.98342	3.79	3.795865	-53.4	263.4

54.9 54.98190
55.9 55.98044

4.23
3.79

4.236310
3.795454

-54.4
-55.4

236.1
263.5

ConeTec Investigations Ltd.
 Seismic Cone Data Reduction - S-Wave
 March 8, 1994
 Geological Survey of Canada
 SCPT-17 DOT/MOT RADIO TRANS. TOWER - RICHMOND
 Shear Source Offset 3.25 m / Seismometer 0.20 m above cone tip
 Source: Hammer Cone No. AD 006

Geophone Depth (m)	Distance (m)	Interval (msec)	Cor Interval (msec)	cone tip Average Depth Of Geophone (m)	Shear Wave Velocity (m/s)
4	5	4.1	5.1375	-4	135.6
5	5.830951	5.9	6.927170	-4.5	144.4
6	6.708203	6.0	6.752925	-5.5	148.1
7	7.615773	5.7	6.244933	-6.5	160.1
8	8.544003	5.9	6.343922	-7.5	157.6
9	9.486832	5.8	6.155900	-8.5	162.4
10	10.44030	5.5	5.773489	-9.5	173.2
11	11.40175	5.6	5.845990	-10.5	171.1
12	12.36931	5.7	5.916656	-11.5	169.0
13	13.34166	5.8	5.993486	-12.5	166.8
14	14.31782	5.1	5.246458	-13.5	190.6
15	15.29705	5.8	5.955654	-14.5	167.9
16	16.27882	5.2	5.321139	-15.5	187.9
17	17.26267	5.5	5.615447	-16.5	178.1
18	18.24828	5.0	5.089244	-17.5	196.5
19	19.23538	4.8	4.879713	-18.5	204.9
20	20.22374	5.2	5.288510	-19.5	189.1
21	21.21320	3.8	3.838579	-20.5	260.5

APPENDIX "E"

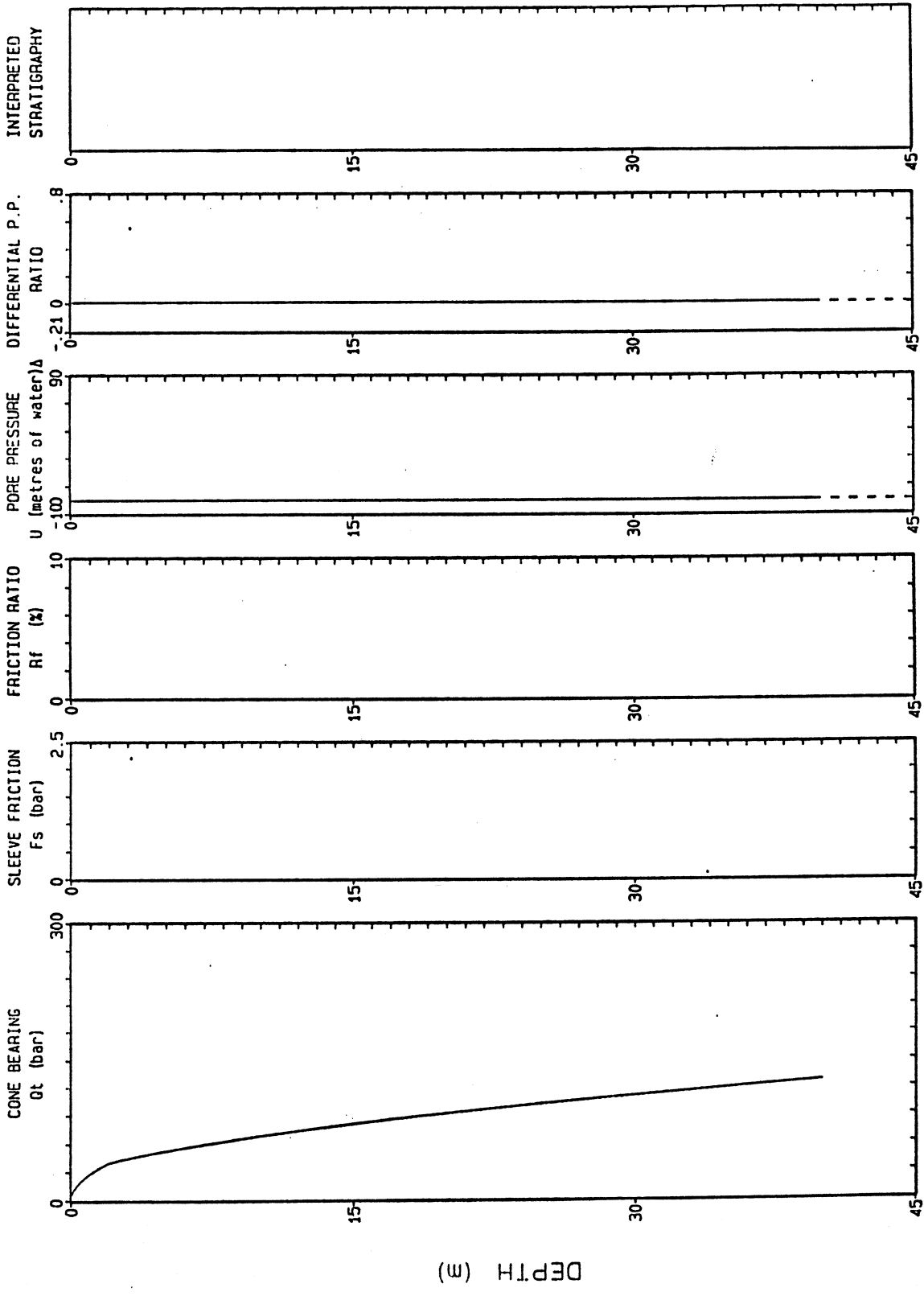
CONTRACTIVE DILATIVE TEMPLATES

G . S . C .

CONTRACTOR:
LOCATION:

DATE:
CONE:

FILE: qnorm.tpt
HOLE:

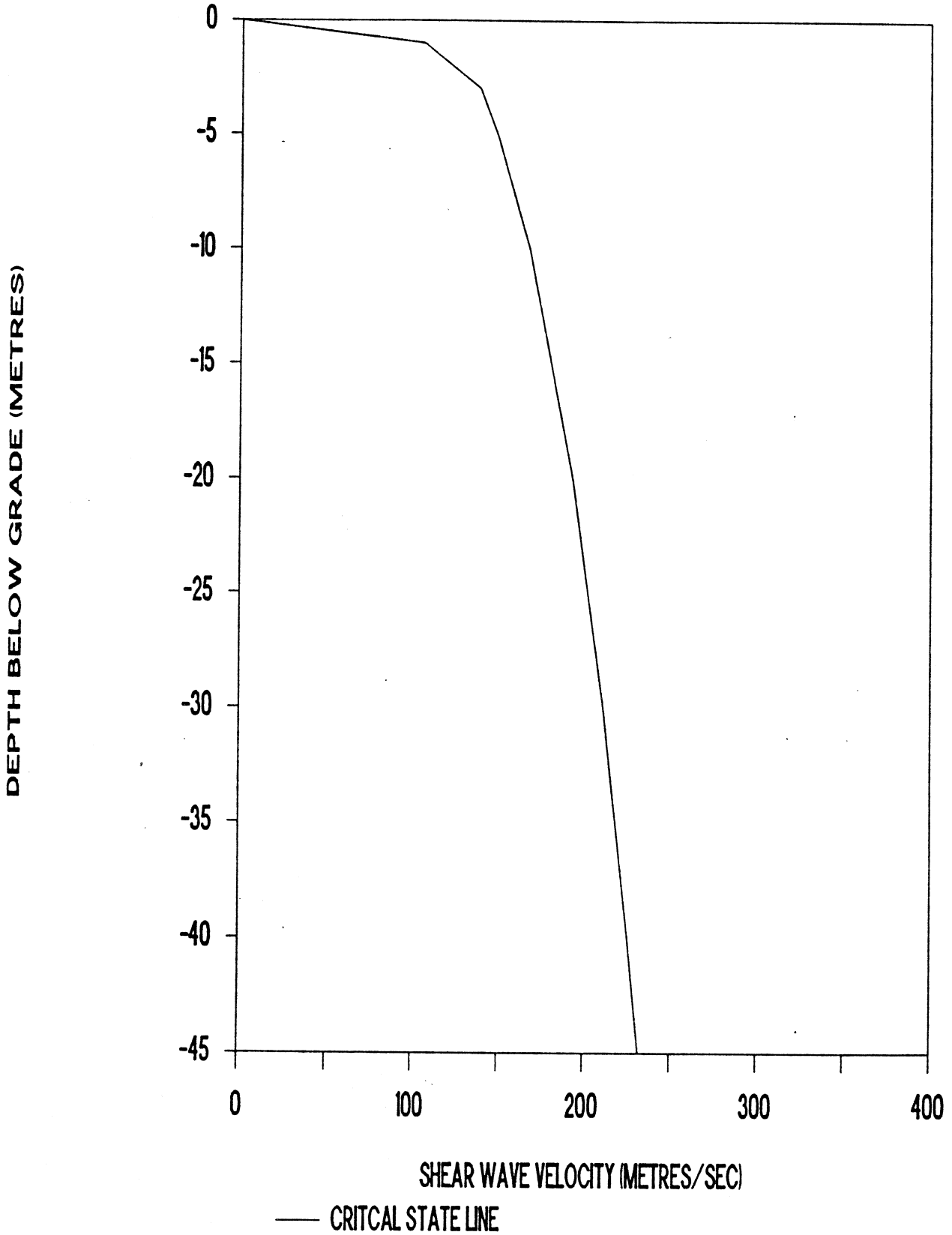


Max Depth : 40.00 m

Depth Increment : .05 m

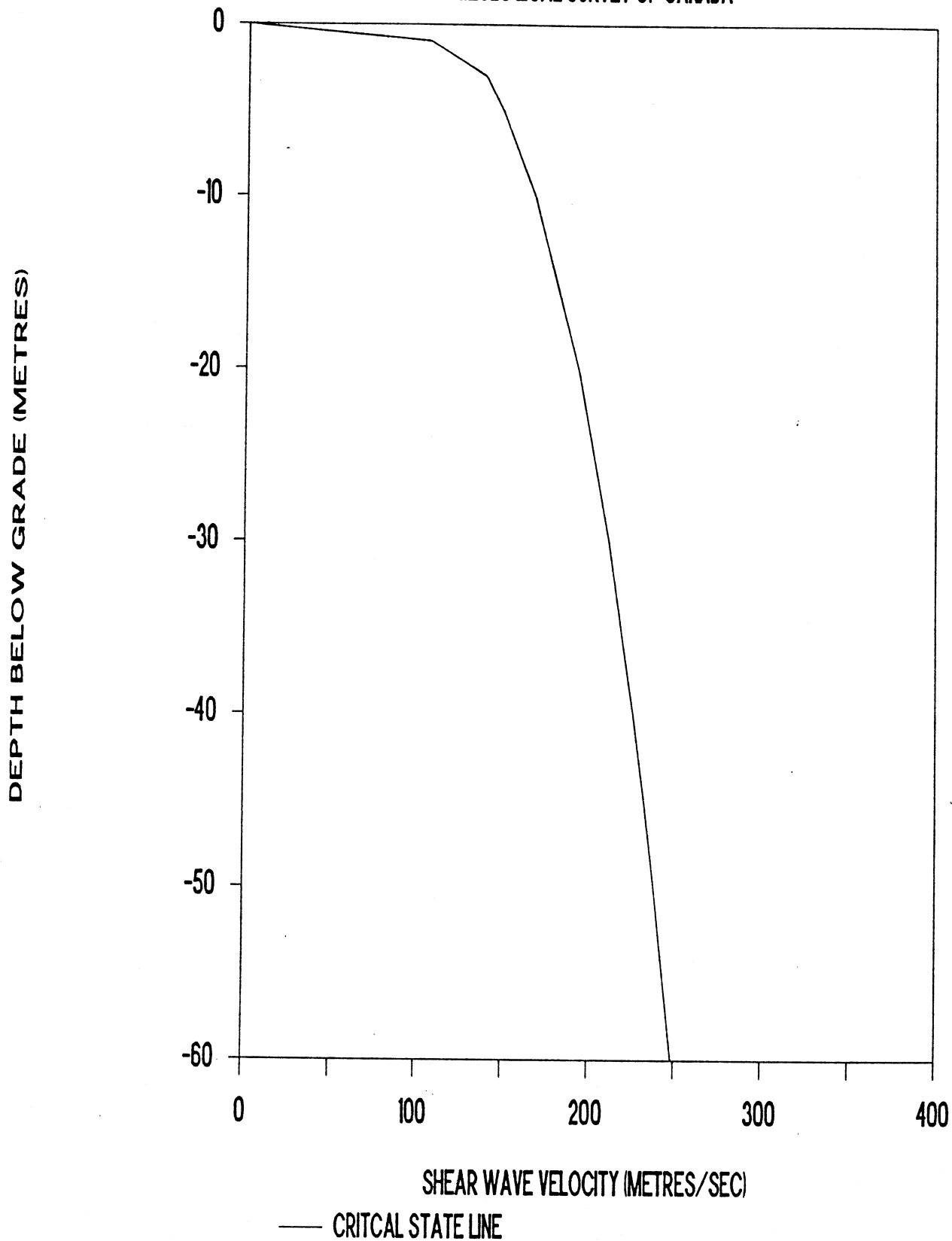
SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA



SHEAR WAVE VELOCITY VS DEPTH

GEOLOGICAL SURVEY OF CANADA

