



CPT ZEROS AND DRIFT RESULTS

Cone Reference	CPT Name	Push Number	Tip Resistance			Local Friction			Pore Pressure		
			Initial (MPa)	Final (MPa)	Difference (%)	Initial (MPa)	Final (MPa)	Difference (%)	Initial (MPa)	Final (MPa)	Difference (%)
MKJ539	CPT-101	1	10.531	10.551	-0.04	0.126	0.126	0.01	1.444	1.444	-0.01
MKJ539	CPT-105	1	10.588	10.551	0.07	0.125	0.125	-0.03	1.454	1.454	0.03
MKJ539	CPT-107	1	10.614	10.546	0.14	0.125	0.125	-0.04	1.455	1.454	0.04
MKJ539	CPT-102	1	10.603	10.546	0.11	0.125	0.125	-0.04	1.446	1.445	0.05
MKJ539	CPT-103	1	10.603	10.546	0.11	0.125	0.126	-0.04	1.449	1.448	0.03
MKJ539	CPT-106	1	10.577	10.541	0.07	0.125	0.126	-0.03	1.454	1.453	0.03
MKJ539	CPT-108	1	10.593	10.551	0.08	0.125	0.126	-0.02	1.455	1.454	0.04
MKJ539	CPT-104	1	10.562	10.536	0.05	0.125	0.126	-0.02	1.454	1.454	0.00

Client: Tonkin + Taylor

Project: Envirofert

Location: 2612 River Road, Tuakau

Engineer: Chris McDiarmid

NOTE: Percentage Zero Difference calculated following ASTM D5778-12. Green indicates a difference between -1% and 1%; yellow shows either -1% to -2% or 1% to 2%; red shows below -2% or over 2%

PROJECT: Envirofert G.I. Tuakau	LOCATION: 2162 River Rd, Tuakau	JOB No.: 1004945.0000
CO-ORDINATES: 5872723.74 mN (NZTM2000) 1771554.63 mE	DRILL TYPE: 50mm Hand Auger	HOLE STARTED: 31/08/2018
R.L.: 2.02m	DRILL METHOD: HA	HOLE FINISHED: 31/08/2018
DATUM NZVD2016	DRILL FLUID:	DRILLED BY: GEOTECHNICS
		LOGGED BY: AGRA CHECKED: JDFS

GEOLOGICAL		ENGINEERING DESCRIPTION															
GEOLOGICAL UNIT, GENERIC NAME, ORIGIN, MATERIAL COMPOSITION.		FLUID LOSS (%)	WATER	CORE RECOVERY (%)	METHOD	CASING	TESTS	SAMPLES	RL (m)	DEPTH (m)	GRAPHIC LOG	MOISTURE / WEATHERING CONDITION	STRENGTH DENSITY CLASSIFICATION	SHEAR STRENGTH (kPa)	COMPRESSION STRENGTH (kPa)	DEFECT SPACING (cm)	Description and Additional Observations
Topsoil							● 121/32 kPa					M	S-F				SILT; dark brown. moist, non plastic
Alluvial Deposits							● 128/19 kPa		1	1							SILT; light grey mottled orange. moist, non plastic 0.40m: orange mottled light brown and light grey
							● 163/6 kPa										0.90m: grey mottled orange
							● 70/6 kPa										1.20m: water in, dark grey. trace woody and rootlet inclusions
							● UTP										
							● 23/5 kPa		0	2			F				sandy SILT; dark grey. moist, non plastic
							● 26/3 kPa						W				
						● 27/4 kPa											2.60m: trace clay, low plasticity
						● 37/7 kPa		-1	3				S-F				SILT, trace sand; dark grey. wet, non plastic
						● 30/5 kPa											
						● 24/4 kPa											
						● 26/2 kPa		-2	4								SILT, trace clay; dark grey. wet, non plastic
						● 26/5 kPa											
						● 24/6 kPa											
						● 23/5 kPa		-3	5								4.8m: Effective refusal

COMMENTS
Hole Depth 4.8m

