PATTLE	Solutions for your environment ATTLE DELAMORE PARTNERS LTD MONITORING WELL										Job No.: C02150102 Test No.: CMT1 Sheet: 1 of 2		
Project:	aland Defence Force	toring Bores		Coord			ıF 5403697	7.52mN (NZT	ΓΜ)	Date:		06/19	
Interpretation	Geological Description Soil and Rock logged in accordance with New Zealand Geotechnical Society field description of soil and rock. 2005.		90	_		PID (ppm)	Samples	Depth Remarks		stallation		Water	
	TOPSOIL. Sandy SILT, with minor clay; lig Soft, dry, non-plastic; sand, fine		######################################		-				Grout	50mm			
Rapaura Formation	Clayey SILT, with some sand; dark brown. Soft, dry, low plasticity; sand, fine, greywacke, quartz. Silty SAND, with trace clay; dark brown; bedded. Soft, moist, non-plastic; sand, fine to medium, greywacke, quartz.				20 -				Bentonite 1.70m Fine Sand (Blinding) 00m Walton Park (7mm)	2.45m	Plain —(impervious) pipe: 2.45m Slotted pipe: —0.10m		
			× × × × × × × × × × × × × × × × × × ×	· · · ·			CMT1/ 2.50m, PORT 1		Gravel pack 3.00m Fine Sand (Blinding) 3.30m	2.55m WW.04	_0.10111		
	Soft, moist, moderate plasticity. Clayey GRAVEL, with some sai	nd, with trace cobbles;	× × × × × × × × × × × × × × × × × × ×	· · · ·	17				Bentonite		Plain —(impervious) pipe: 2.90m		
Holocene Alluvial Deposits	bedded. Loose, wet, non-plastic; gravel, subround, unweathered, greywa coarse, greywacke, quartz; cob greywacke. GRAVEL (GW), with minor sand dark grey / brown; homogeneou. Loosely packed, wet, poorly grarounded to subangular, unweath sand, fine to coarse, greywacke subangular, up to 90mm, unweath	fine to medium, rounded to cke, quartz; sand, fine to oles, up to 100mm, I and cobbles, with trace silt; s. ded; gravel, fine to coarse, lered, greywacke, quartz; , quartz, cobbles, rounded to		• •	16	•	CMT1/ 5.50m, PORT 2		Walton Park (7mm) Gravel pack 6.00m Fine Sand (Blinding) Walton Park (7mm) Gravel pack 6.00m	5.45m 5.55m LE LE L	Slotted pipe: 0.10m	12:00	
	Sandy GRAVEL, with minor clar grey brown; homogeneous. Loose, wet; gravel, fine to coars unweathered, greywacke; sand quartz; cobbles, rounded to sub greywacke.	e, rounded to subangular, fine to coarse, greywack,		· 7 :	14				Bentonite		Plain —(impervious) pipe: 2.90m	19/06/2019 12:00	
			7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	• • •	13	•	CMT1/ 8.50m, PORT 3		Fine Sand (Blinding) Walton Park (7mm) Gravel pack 9.00m Fine Sand (Blinding) 20m	8.45m mun0g	Slotted pipe: 0.10m		
				- - 10 : -	11				Bentonite		Plain —(impervious) pipe: 2.90m		
				11 :	10	•	CMT1/ 11.50m, PORT 4		Fine Sand (Blinding),00m Walton Park (7mm) Gravel pack	11.45m	Slotted pipe: 0.10m		
		Remarks							Investigation To	3	Water Standing Wat In flow	er Level	
Contractor: Rig/Plant Used:				Dri	iller:				Machine Ho Logged By:	le Checked By:		epth: 55 m	

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Well 11030, Omaka River Aquifer, semi-confined

DO								Job No.	.: C021!	50102		
P	solutions for your environment		MONITORING WELL								o.: CM	1T1
PATTLE DELAMORE PARTNERS LTD							Sheet:	2 c	of 2			
Client:										Date:	18/0	6/19
New Zea	aland Defence Force										•	0, 13
Project:			Coordinates:						Ground Level mRL:			
Woodbourne Groundwater Monitoring Bores				1673331.84mE, 5403697.52mN (NZTM)							21m	
_			ρ0									

Project:	aland Defence Force ourne Groundwater Monitoring Bor	res		rdina 3331		mF 540369	7.52mN (NZ ⁻	TM)	Ground L	18/0 evel mRL:	6/19
Interpretation	Geological Description Soil and Rock logged in accordance with New Zeal Society field description of soil and rock	and Geotechnical	Depth (m)	RL (m)	PID (ppm)	Samples	Depth Remarks		stallation		Water
Ξ	[CONT] Sandy GRAVEL, with minor clay and dark grey brown; homogeneous. Loose, wet; gravel, fine to coarse, rounded to unweathered, greywacke, sand, fine to coarse quartz; cobbles, rounded to subround, unweat greywacke.	silt and cobbles; subangular,	13	8 -				Fine Sand (Blinding) 12,15m Bentonite	₩ ₩(Plain impervious) pipe: 2.90m	
			14	7 -		CMT1/ 14.50m, PORT 5		Fine Sand (Blinding) 00m Walton Park (7mm) Gravel pack 15.00m Fine Sand (Blinding)	======================================	Slotted pipe: 0.10m	
uvial Deposits			16	5 -				Bentonite	₩ ₩(Plain impervious) pipe: 2.90m	
Holocene Alluvial Deposits			17	3 -		CMT1/ 17.50m, PORT 6		Tine Sand (Blinding) Walton Park (7mm) Gravel pack 18.00m 18.10m Fine Sand (Blinding)	= 17.45m 0	Slotted pipe: .10m	
			19	2 -				Bentonite 19.90m 20.00m Fine Sand (Blinding)	₩ ₩(Plain impervious) iipe: 3.35m	
	EOH: 21.55m	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21	0 -		CMT1/ 20.80m, PORT 7		Walton Park (7mm) Gravel pack	2 20.90m C	Slotted pipe: .10m	
			- 22	-1							
			- 23	-2 -							
		Remarks						Investigation T Hand Auger Test Pit Machine Ho	▼ :	Water Standing Wate In flow Out flow	r Level
Contract	or: Rig/Plant	Used:	[Orille	r:			Logged By:	Checked By:	Hole De	pth: 55 m

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