

SUMMARY DATA – WALPEUP PIT

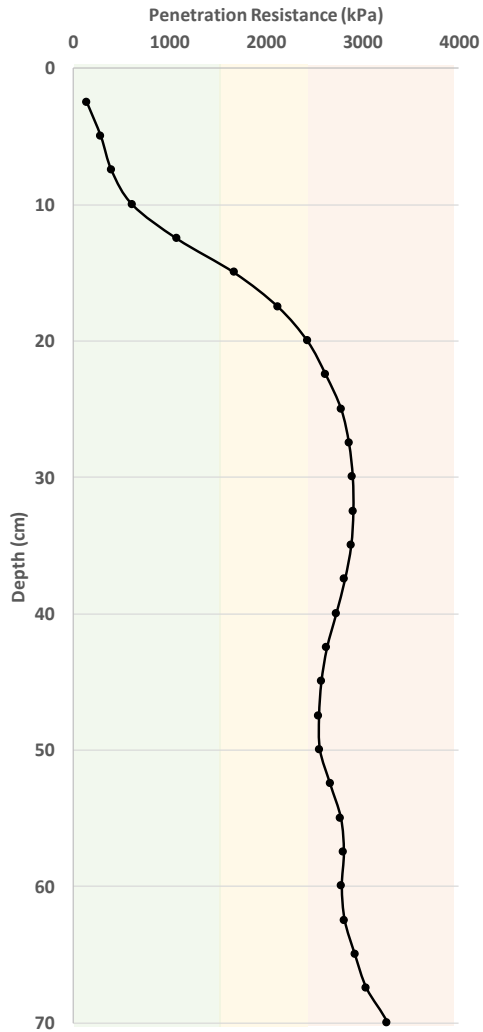


Depth cm	pH _{Ca}	Avg PR	MinN (mg/kg)	MinN kg/ha	CoIP	PBI	DGT P	Ex.K	S	B	Clay%	OC%	CEC	Ex Mg %	EC _{1:5}
0-10	6.89	362	6.5	10	19	14	60	69	3.3	0.2	6.8	0.37	3.38	17.2	
10-20	5.66	1828	3.3	5	18	17	60	46	<2.5	0.18	5.8	0.3	1.99	18.8	
20-40	6.28	2812	<1	2	12	16	63	96	<2.5	0.21	10.2	0.13	3.58	21.5	
40-60	7.22	2669	<1	2	<5	13	4	104	<2.5	0.25	6.5	0.1	3.87	19	
60-90	8.0 (8.73)	3143	<1	2	<5	24	5	87	<2.5	0.37	7.4	0.1	21.8	8.4	
90-120	8.14 (8.86)	-	1.3	6 = 26	<5	34	5	54	<2.5	0.41	11	0.12	23.4	7.9	

- Repellence – not repellent
- pH extremes – a band of moderate acidity in the 10-20 cm layer – one to watch; severe alkalinity below 60 cm
- Soil strength - Severe >18 cm on non-ripped wheel tracks
- OC – very low
- Nutrients – Sufficient P, K, luxury Zn (1.4)
- Nutrients – Marginal S
- Nutrients – Deficient Cu (0.15)

- Subsoil hostilities – severely alkaline below 60 cm and high soil strength

- PR collected by Mel in a N/S transect behind the pit, insert every 15 cm x 21 inserts – average of all inserts shown:
 - >1500 kPa at 15cm
 - >2500 kPa at 22.4 cm, extending to 70 cm



Water repellence and pH were measured from a composite of 20 samples collected from the same locations as PR. Results show stratified acidity in the 10-15cm band. Not repellent via MED, but visually non-uniform wetting (following >30mm rainfall overnight).

	Control	
	MED	pH
0-5 cm	0	6.96
5-10 cm	0	7.29
10-15 cm	0	5.65
15-20 cm	0	6.14
20-25 cm	0	7.07
25-30 cm	0	7.56