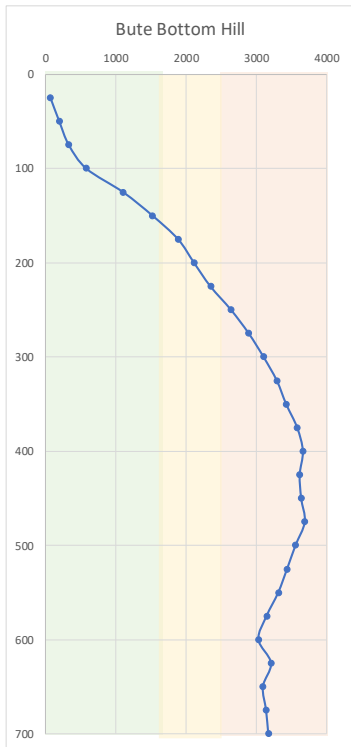


SUMMARY DATA – BUTE PIT



Depth cm	pH _{Ca}	Avg PR	MinN (mg/kg)	MinN kg/ha	CoIP	PBI	DGT P	Ex.K	S	Clay%	OC%	CEC	Ex Na %	Ex Mg %	Ex. Al
0-10	5.99	500	4.8	7	49	21	421	101	3.2	4.3	0.54	3.17	0.4	21.3	0
10-30	5.76	2000	1.3	4	16	12	175	101	<2.5	9	0.14	2.4	0.7	23.9	0
30-60	7.72 (8.19)	3500	1.9	9	10	11	112	80	<2.5	7.5	0.15	3.79	0.5	13.7	0
60-90	8.03 (8.54)	3000	1.7	8	<5	17	11	86	<2.5	8.8	0.18	4.77	0.6	9.0	0
90-120	7.81 (8.37)	-	1.9	9	<5	15	4	95	<2.5	10.8	0.14	4.59	1.0	12.7	0

- Repellence - Not repellent
- pH extremes - Moderately acidic to 30 cm and moderately to severely alkaline at depth.
- Soil Strength - Severe strength below 18 cm
- OC - Low to Moderate OC for a sand
- Nutrients: Sufficient P, K and Cu (0.25) and luxury Zn (0.98)
- Nutrients: Marginal S
- Subsoil Hostilities - alkalinity and high strength



- PR collected by Sam T /Stacey S
- Top:
 - >1500 kPa at 10cm
 - >2500 kPa at 18 cm, extending to 43 cm
- Bottom
 - >1500 at 17 cm

>2500 at 25 cm and remains >2500 throughout

Water repellence and pH were measured from a composite of 20 samples collected by Sam/Stacey from two locations...

	NS		NN	
	MED	pH	MED	pH
0-5 cm	0	6.27	0	6.61
5-10 cm	0	5.37	0	4.75
10-15 cm	0	7.24	0	4.36
15-20 cm	0	7.57	0	4.85
20-25 cm	0	7.85	0	5.74
25-30 cm	0	7.96	0	5.9

Comments:

- Looking at the photos from this pit, the sampling depths should have been adjusted to reflect the horizons.
- I suspect the colour evident at 60cm is a buried topsoil (i.e. 60cm of sand has blown in on top at some stage of an old A horizon).
- Sampling depths of 0-10, 10-20, 20-45, 45-60, 60-75, 75-100 and 100-120 may have been better to detect differences in OC and/or clay which would confirm the origin...