

Table III.—Analyses to Show Variations in Depth of the Deposits.

No.		SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	P ₂ O ₅	MgO	CaO	K ₂ O	CO ₂	SO ₃	Cl	H ₂ O above 105°	H ₂ O below 105°	Total	(Al ₂ O ₃ carbonate (cal.) (O ₂)	(CaSO ₄ 2H ₂ O)	Magnesium carbonate plus water of crystallization
1	Centre of deposit 3, Figure 5, at Meadow lake, white earth, 0 to 15 inches from surface.	4	1.36	0.14	0.23	41.38	1.32	0.14	37.67	none.	none.	12.12	1.48	99.84	2.4		90.2
2	Under No. 1, granulated, cream, coloured earth, 15 to 51 inches from surface.	11.33	2.88	0.24	0.20	35.68	6.38	0.14	36.63	none.	none.	4.15	2.29	99.92	11.4		71.5
3	Underlying No. 2, cemented earth, base of the deposit, 51 to 66 inches from surface.	7.60			0.22	20.34	25.55								45.6		
4	Average of five analyses from deposits at Meadow lake, 0 to 24 inches from surface.	1.22	0.67	0.18	0.63	40.56	1.26		35.96	0.13		18.00	1.45	99.93	2.3		93.6
5	Near locality of No. 1, 0 to 39 inches from surface, takes in white layer and top of cream layer.	13.10	1.34	0.11	0.17	36.63	2.86		35.64	0.13	trace.	7.00	2.58	99.56	4.9	0.3	77.0
6	Below No. 5, 39 to 60 inches from surface. Base of deposit at about 66 inches.	10.32	1.35	0.49		24.32	20.12		38.64	0.14	trace.	2.93	1.45	99.76	35.8	0.3	50.1
7	Easterly deposit, Watson lake. Figure 6, locality 5, white earth, 0 to 36 inches from surface.	4.62	0.16	0.16		43.17	1.14		43.64	0.51	trace.	5.26	1.42	100.10	1.4	1.0	91.3
8	Westerly deposit, Watson lake. Figure 6, locality 3, includes 26 inches of white earth and part of layer of cream earth, base of deposit at 85 inches.	6.36	0.20	0.12		41.06	1.62		38.04	0.08	trace.	11.25	1.32	100.05	2.8	0.2	89.10
9	Small deposit 1 mile northwest of Watson lake.	8.62	0.33	0.57		36.70	1.54		31.08	0.18	trace.	14.86	2.21	99.19			
10	Grey earth northeast end Meadow lake, Figure 5, 0 to 24 inches, base deposit, 27 inches.	36.78	1.54	0.84	0.59	20.14	9.20		29.24	0.07	trace.	6.80	3.52	99.72			

*Including 3.1 per cent organic matter.