

TABLE 4. CHEMICAL ANALYSES.  
Results, except \*, are percentages on soil dried at 100° C.

Laboratory No.	Locality.	Volatile Matter.		Total Nitrogen.	Hydrochloric-acid Extract ("Total" Plant-food).				Hydrogen-ion Determination pH Value.	Fe (Iron).							
		* On Air-drying.	* At 100° C.		Lime, CaO.	Magnesia, MgO.	Potash, K <sub>2</sub> O.	Phosphoric Acid, P <sub>2</sub> O <sub>5</sub> .		Extracted by Citric Acid.	Extracted by HCl.						
<i>Mamaku : Rimu-Tawa Soils.</i>																	
Taken at or adjoining Demonstration Farm.																	
S 173	No. 4 (cultivated) paddock ..	..	2.42	14.04	0.287	0.145	0.014	0.014	0.011	0.22	0.13	0.08	0.02	0.02	5.7	0.118	..
S 174	200-acre grassed paddock ..	..	3.80	15.28	0.314	0.028	0.007	0.008	0.003	0.20	0.16	0.04	0.05	0.05	5.6	0.073	..
S 175	200-acre grassed paddock ..	..	32.00	12.15	0.322	0.195	0.019	0.020	0.003	0.45	0.15	0.07	0.02	0.02	5.6	0.049	..
S 176	Eruption dust ..	..	0.82	5.48	0.119	0.036	0.014	0.013	Trace	0.13	0.11	0.04	Trace	Trace	5.8	0.022	..
S 177	Rhyolite mound, No. 6 paddock ..	..	4.78	10.67	0.232	0.167	0.017	0.013	0.006	0.23	0.13	0.05	0.05	0.02	5.7	0.062	..
S 178	Spent-oxide paddock, No. 12 ..	..	7.64	12.91	0.385	0.132	0.019	0.023	0.005	0.22	0.15	0.06	0.03	0.03	5.4	0.075	..
S 179	Subsoil of No. 178, ..	..	5.82	13.82	0.241	0.081	0.000	0.008	0.004	0.12	0.10	0.04	0.02	0.02	5.8	0.066	..
S 180	Guano paddock, No. 11 ..	..	2.96	17.33	0.413	0.173	0.019	0.024	0.006	0.29	0.15	0.07	0.03	0.03	5.0	0.116	..
S 181	Rimu-tawa forest ..	..	1.64	9.92	0.220	0.120	0.032	0.015	0.004	0.44	0.13	0.07	0.01	0.01	5.0	0.072	..
S 182	Rimu-tawa scenic reserve ..	..	3.12	11.34	0.301	0.111	0.030	0.013	0.003	0.21	0.12	0.04	0.01	0.01	4.6	0.037	..
S 183	Windmill paddock, No. 6 ..	..	1.46	8.99	0.230	0.155	0.015	0.020	0.005	0.24	0.13	0.06	0.02	0.02	5.5	0.100	..
S 192	Steele's new tram, near bridge ..	..	9.32	29.13	0.684	0.192	0.023	0.023	0.010	0.35	0.14	0.08	0.05	0.05	5.0	0.071	..
<i>Mamaku : "Birch" Soils.</i>																	
S 184	Birch forest, Gamman's cutting ..	..	31.21	13.97	0.248	0.038	0.014	0.016	0.002	0.15	0.14	0.05	0.01	0.01	4.4	0.098	..
S 185	Subsoil of 184 ..	..	7.72	11.64	0.176	0.022	0.005	0.006	0.001	0.14	0.16	0.08	0.01	0.01	5.9	0.112	..
S 336	Birch forest, National Timber Company's cutting ..	29	25.26	17.34	0.322	0.045	0.011	0.003	0.003	0.17	0.13	0.11	0.01	0.01	..	0.090	..
S 338	Mixed forest, National Timber Company's cutting ..	30	12.94	14.36	0.357	0.087	0.015	0.017	0.005	0.28	0.17	0.16	0.05	0.05	..	0.057	..
S 335	Otureoa Road, near school ..	25	14.82	15.75	0.381	0.155	0.021	0.024	0.007	0.33	0.20	0.09	0.03	0.03	..	0.069	..
<i>Kotorua : Lake-level Soils (swampy).</i>																	
D 348/5	Ngongotaha ..	..	35.84	10.34	..	0.158	..	0.013	0.011	0.445	..	..	0.12	0.12	..	0.102	0.81
6	" ..	..	35.20	6.68	..	0.045	..	0.009	0.007	0.204	..	..	0.10	0.10	..	0.129	0.85
R 879	Hinemoa Point (not swampy) ..	39	1.81	12.85	0.393	0.157	0.020	0.033	0.019	0.440	0.30	0.09	0.09	0.09	5.5	0.086	..
887	" ..	22	2.02	8.88	0.251	0.080	0.036	0.027	0.013	0.620	0.48	0.18	0.05	0.05	5.8	0.051	..
1147	Ngongotaha white-pine swamp ..	31	2.87	15.56	0.386	0.108	0.036	0.023	0.019	0.440	0.210	0.14	0.15	0.15	5.5	0.163	..