

TABLE 6. CHEMICAL ANALYSES.

(Results, except *, are percentages on soil dried at 100° C.)

Laboratory No.	Locality.	Volatile Matter.			Total Nitrogen.	1-per-cent. Citric-acid Extract, Dyer's Method; Hall's Modification ("Available" Plant-food).				Hydrochloric-acid Extract ("Total" Plant-food).				Hydrogen-ion Determination.		Fe (Iron) Extracted by 1-per-cent. Citric Acid.
		* On Air-drying.	* At 100° C.	Ignition.		Lime, CaO.	Magnesia.	Potash, K ₂ O.	Phosphoric Acid, P ₂ O ₅ .	Lime, CaO.	Magnesia.	Potash, K ₂ O.	Phosphoric Acid, P ₂ O ₅ .	pH Value.		
R 1105	Rotoiti S.D., Block 5, Section 2	13	1.74	7.97	0.225	0.289	0.042	0.031	0.010	0.35	0.16	0.09	0.02	..	0.032	
1108	Glennore, 130 ft. ..	29	1.82	10.28	0.294	0.156	0.060	0.020	0.006	0.71	0.31	0.13	0.02	..	0.032	
1114	Rotoiti S.D., Block 2, Section 7	15	1.00	6.42	0.192	0.109	0.041	0.016	0.004	0.40	0.22	0.11	0.02	..	0.037	
1117	Kapakapa Road, 410 ft. ..	18	1.68	7.63	0.208	0.161	0.026	0.016	0.006	0.31	0.16	0.15	0.04	..	0.036	
1121	Kapakapa Road, 150 ft., grass	13	1.06	6.71	0.235	0.448	0.036	0.015	0.011	0.66	0.23	0.09	0.04	..	0.037	
1134	Rotoiti, 105 ft. ..	18	1.96	7.94	0.211	0.139	0.031	0.016	0.006	0.86	0.29	0.12	0.03	..	0.023	
1136	Rotoiti, 100 ft., flat-topped ridge	14	1.48	6.39	0.208	0.307	0.016	0.024	0.008	1.43	0.53	0.16	0.03	..	0.040	
1143	Mangarewa Gorge, 445 ft. ..	23	1.60	9.03	0.222	0.172	0.026	0.020	0.004	0.46	0.10	0.05	0.02	5.5	0.017	
1145	Kaharoa, 365 ft. ..	23	2.60	11.00	0.221	0.089	0.026	0.026	0.004	0.22	0.17	0.08	0.03	..	0.036	
973	Rotoiti, scrub ..	13	2.44	8.17	0.230	0.109	0.020	0.018	0.004	0.32	0.22	0.09	0.04	..	0.018	
976	Rotoiti, forest ..	29	1.00	8.44	0.255	0.143	0.033	0.019	0.002	0.47	0.20	0.08	0.03	..	0.028	
970	Hamurana, 300 ft. ..	28	1.70	12.06	0.224	0.125	0.058	0.023	0.005	0.45	0.23	0.08	0.06	..	0.020	
S 61	Lake-side, Rotorua	23.32	7.40	0.197	0.150	0.022	0.011	0.006	0.32	0.12	0.07	0.04	..	0.023	

Coarsest Pumice Lands.

The heights stated are feet above Lake Rotorua, which itself is 915 ft. above sea-level.

Chemical analyses by L. D. Foster.