TABLE 1. COMPOSITIONS OF HOT-SPRING WATERS OF THE ROTOMAHANA

Location	Spring	date	Temp °C	pH_{lab}
upper Waimangu valley				
Taha Roto	2-002	25/3/90	99	7.7
Horseshoe Spouter	2-003	25/5/90	99	8.4
Cathedral Rock mud pools	2-009	28/5/90	83	<2.0
Muha	2-0013	3/2/90	96	8.4
	2-014a	3/2/90	97	8.5
Clamshell Spring	3-004	17/4/90	90	8.0
Birdnest Terrace Spring	3-007	25/3/90	100	8.0
N-Spring	3-008	2/4/90	94	8.3
Nga Puia o te papa	3-009	17/4/90	97	8.2
Inferno Crater lake	4-001	15/3/90	72	2.5
lower Waimangu valley				
Iodine spring	6-001	17/4/90	99	8.7
Cave Spring	6-003	12/9/91	96	9.2
Warbrick Terrace	7-001	17/4/90	83	7.6
	7-003	27/5/90	92	7.8
Steaming Cliffs				
	8-005	24/1/90	98	N.D.
	8-008	24/1/90	99	8.9
	8-022	24/1/90	99	7.3
	8-028	24/1/90	93	9.1
	8-101	24/1/90	96	8.3
ground water –from shallow well near Southern crater		12/9/91	15	6.6

Note: N.D. = not determined.

WAIMANGU HYDROTHERMAL SYSTEM. ANALYSES IN PPM.

Li	Na	K	Ca	Mg	Cl	SO_4	B	SiO_2	HCO_3
1.8	340	38.8	8.1	3.70	419	100	3.5	368	149
1.7	345	44.7	9.2	1.80	456	114	3.5	352	140
<0.1	12	07.5	9.7	2.33	5	1323	0.3	302	N.D.
2.7	450	53.8	3.4	0.05	650	74	5.4	373	N.D.
2.7	454	57.3	1.8	1.70	681	58	5.5	395	N.D.
2.2	448	73.0	8.6	0.10	610	196	4.9	387	127
3.4	526	93.0	26.0	3.30	772	274	6.1	389	114
1.6	360	52.2	16.4	0.80	512	156	3.8	357	56
2.0	413	59.0	14.1	0.40	578	178	4.7	400	73
5.0	565	108.6	15.0	1.60	919	376	7.1	876	16
3.1	497	56.7	3.4	0.16	703	107	5.8	477	157
3.1	461	46.1	1.1	0.01	608	118	5.0	257	38
3.0	524	64.0	2.5	0.05	715	109	5.9	534	215
2.2	411	65.0	15.3	6.60	557	149	4.5	433	324
4.6	572	38.5	2.1	0.04	686	182	5.6	385	N.D.
N.D.	479	34.0	1.0	0.02	631	183	4.9	325	N.D.
4.7	592	33.3	1.1	0.01	726	150	5.6	413	N.D.
4.4	562	33.3	3.4	1.30	635	155	4.9	351	N.D.
3.3	466	32.0	5.9	0.50	620	148	4.8	237	N.D.
<0.1	23	10.9	26.2	5.00	<10	70	0.1	71	78