

Sample Locations are in Figure 1 and data are in Table 3 of Stoessell and Hay (1978)

The Geochemical Origin of Sepiolite and Kerolite at Amboseli, Kenya: Contributions to Mineralogy and Petrology, v. 65, p. 255-267.

Amboseli is a national park in Kenya on the Tanzania border in which meerscham was mined at Sinya on the NW flanks of Mt. Kilimanjaro. Data are from Tanzania streams on the northern slopes of Mt. Kilimanjaro, streams and springs within the arid park, and old mining pits at Sinya.

August, 1975 Sample #	Temp °C +_0.5	pH +-0.05	Al ppm +-8%	Na ppm +-2%	K ppm +-3%	Mg ppm +-2%	Ca ppm +-2%	SiO ₂ ppm +-2%	F ppm +-8%	Cl ppm +-5%	SO ₄ ppm +-8%	Alk as HCO ₃ meq +-0.03	elec. bal. meq/kg sol.	tds ppm
1	18	7.00	0.0034	17.6	7.40	4.10	5.75	39.8	0.33	2.2	1.2	1.36	0.12	161
2	19	6.50	0.0550	27.0	10.8	7.63	13.9	43.9	0.63	3.1	1.4	2.46	0.17	258
3	22	7.70	0.0015	59.3	24.4	34.2	56.9	105	2.9	3.6	5.0	7.98	0.52	778
4	17	8.80	0.0290	50.2	13.0	11.2	26.8	51.3	1.00	3.5	16.1	3.99	0.30	417
5	20	7.30	0.0100	45.4	14.6	20.5	58.0	56.9	1.3	2.8	0.2	6.59	0.22	602
6	23	8.15	0.0005	274	36.1	11.6	10.0	56.5	1.4	205	21.6	8.28	-0.29	1121
7	20	9.95	0.0240	946	84.0	0.37	1.79	44.5	4.1	533	50.2	27.58	-0.46	3346
8	22	8.30	0.0056	93.8	6.66	11.7	11.9	63.3	0.65	14.7	7.0	4.83	0.38	504
9	25	9.85	0.0670	2030	34.6	0.31	8.10	43.4	10.0	953	136	59.90	-0.52	6869
10	18	7.95	0.0071	33.7	8.10	11.2	13.6	49.6	0.74	3.2	2.5	3.00	0.09	306

11	25	7.90	0.0005	741	92.6	16.6	17.3	105	5.8	73.0	360	27.04	-0.07	3061
12	11	7.85	0.0160	7.31	2.00	0.64	1.31	18.1	0.25	0.3	0.5	0.44	0.02	57
13	19	7.95	0.0091	25.1	5.70	15.1	22.2	62.6	0.34	2.3	2.4	3.31	0.15	338
14	20	6.95	0.0007	21.6	7.25	11.6	15.8	56.5	0.30	2.6	2.0	2.59	0.15	276
15	11	7.70	0.0160	7.31	1.56	0.53	1.21	16.7	0.10	0.2	0.6	0.44	0.00	55
16	11	7.80	0.0092	4.80	1.30	0.43	0.90	10.7	<0.10	0.2	0.5	0.33	-0.02	39
17	13	6.85	0.0200	8.28	1.82	0.63	1.40	16.7	0.13	1.3	0.9	0.49	-0.02	61
18	23	7.90	0.0031	84.5	13.1	28.8	22.8	94.4	0.70	39.6	15.8	5.65	0.39	644
19	22	9.90	0.0340	391	44.6	1.52	2.80	27.0	2.8	155	20.1	13.78	-0.30	1485
20	26	7.80	0.0240	1010	114	60.4	21.9	107	3.5	127	580	36.53	0.54	4252
21	27	8.25	0.0200	60.9	12.0	12.1	7.40	45.8	1.8	4.5	4.0	3.79	0.23	380
22	21	7.20	0.0087	18.5	6.50	9.15	13.3	49.6	0.39	2.4	4.0	2.21	0.01	239
23	20	7.10	0.0110	8.82	2.52	7.33	10.8	38.1	0.14	1.4	1.8	1.46	0.05	160