

Table7. Modal percentages of four sub-sets of pyroxenes in the finest size fractions of **Apollo Highland** soils. Maturity as I_s/FeO of the $<250 \mu m$ fraction [Morris, 1978] is given directly after the soil number, a value commonly used as the reference maturity for an entire soil.

	14141-5.7			14163-57			14260-72			14259-85		
	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm
Orthopyroxene	7.57	4.07	3.37	6.50	5.68	1.51	4.68	5.14	2.58	7.40	3.72	1.92
Pigeonite	8.08	4.58	4.29	5.66	4.94	1.38	4.99	4.23	3.15	6.14	3.18	1.96
Mg-Clinopyroxene	3.08	1.85	2.19	3.10	2.41	0.91	3.07	2.00	1.51	3.04	1.66	1.77
Fe-Pyroxene	1.08	0.38	0.44	0.92	0.78	0.14	0.94	0.64	0.48	1.57	0.50	0.29
Total Pyroxene	19.81	10.88	10.29	16.18	13.81	3.94	13.68	12.01	7.72	18.15	9.06	5.94

	61221-9.2			67461-25			67481-31			61141-56		
	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm
Orthopyroxene	2.96	1.82	0.56	2.96	1.47	1.09	2.95	2.55	1.38	1.68	1.69	0.22
Pigeonite	2.24	1.43	0.55	1.61	1.07	0.64	1.54	1.27	1.05	1.38	2.15	0.23
Mg-Clinopyroxene	1.98	1.95	0.37	2.53	1.52	1.06	1.94	1.73	1.41	1.11	1.45	0.19
Fe-Pyroxene	0.19	0.14	0.02	0.18	0.05	0.04	0.17	0.13	0.05	0.18	0.04	0.06
Total Pyroxene	7.37	5.34	1.50	7.28	4.11	2.83	6.6	5.68	3.89	4.35	5.33	0.70

	64801-82			62231-91		
	20-45 μm	10-20 μm	<10 μm	20-45 μm	10-20 μm	<10 μm
Orthopyroxene	2.03	1.24	1.18	2.08	1.99	0.28
Pigeonite	1.15	0.96	0.84	1.33	1.55	0.27
Mg-Clinopyroxene	1.33	0.60	0.64	1.52	1.74	0.30
Fe-Pyroxene	0.01	0.01	0.00	0.19	0.12	0.03
Total Pyroxene	4.52	2.81	2.66	5.12	5.40	0.88