

Table 2. Modes, norms, and chemical analyses.

Column No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ZZ		
Section No. in Table 1	1	2	3	4	5	6	7	8	Average of 6+8	9	10	12	13	14	15	15, spec. 99	16, spec. 261	17	18	19	Average of 17, 18, +19	20	21	23	24	Specimen 453	Specimen 474		
M O D E Section average or designated specimen label.	Quartz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.4	-	-	-	-	3.6	4.2	-	-	0.5	-		
	Orthoclase	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	0.6	-	-		
	Plagioclase	-	-	-	0.2	-	-	-	1.3	0.6	4.2	t	-	-	22.8	222	150	72.0	38.5	26.8	56.8	40.8	66.5	31.3	39.2	51.7	35.8	52.3	
	Hornblende	-	u.s.t.	0.1	-	0.7	5.9	0.9	5.8	5.9	4.3	3.5	-	-	18.8	52.6	82.4	-	15.1	36.3	27.6	27.0	23.4	26.4	42.2	1.9	56.5	-	
	Biotite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	t	t	1.2	0.2	t	3.7	-	-	
	Augite	u.s.t.	3.4	7.5	20.2	29.8	74.9	66.4	82.7	78.8	36.2	74.8	-	63.4	33.6	11.6	0.7	2.2	38.7	33.5	7.9	26.7	0.1	23.4	12.1	24.0	-	10.6	
	Orthopyroxene	-	-	-	-	-	-	-	-	-	t	-	-	-	-	0.3	0.4	-	0.1	0.2	u.s.t.	0.1	-	12.9	1.2	12.0	-	-	
	Olivine	32.2	38.8	42.1	27.7	20.6	9.7	17.2	5.3	7.5	12.2	17.2	-	-	21.3	-	-	-	5.0	0.5	-	1.8	-	-	0.7	2.2	-	-	
	Serpentine	66.5	56.0	49.2	50.4	45.1	8.7	15.0	4.6	6.6	34.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Opaque, ores	-	1.0	0.8	1.4	3.8	0.8	0.5	0.3	0.6	3.7	1.1	-	-	2.5	3.1	0.9	-	2.6	2.5	4.2	3.1	1.8	1.5	4.0	2.1	1.9	4.6	
	Chromite	1.3	0.7	0.3	t	u.s.t.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apatite + sphene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	0.1	t	1.5	0.1	0.3	1.1	-	1.3
	Chlorite	t	0.1	-	0.1	u.s.t.	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	0.3	-	2.3	-
	Talc	-	0.1	-	-	u.s.t.	-	-	u.s.t.	u.s.t.	t	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other	-	-	-	-	-	t	-	-	t	-	-	-	33.8 <sup>(1)</sup>	10	0.2	0.6	0.1	-	0.1	1.4	0.5	-	-	-	0.7	3.0	31.2 <sup>(2)</sup>		
Total	100.0	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.7	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
N O R M N 17	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2	-	-	-	-	-	-	-	-	0.8	9.8		
	C	0.9	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	or	-	-	-	-	-	-	-	-	-	-	1.1	5.8	-	-	-	2.2	4.4	-	-	2.2	-	-	-	5.0	3.9	15.0		
	ab	-	-	-	-	-	-	-	-	1.1	-	1.1	5.8	-	-	-	15.2	47.2	-	-	12.0	-	-	-	13.1	21.0	34.1		
	an	-	3.3	2.2	4.4	4.7	-	-	-	7.0	-	4.8	10.6	-	-	-	27.7	16.4	-	-	33.4	-	-	-	32.2	29.5	15.0		
	ne	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	wo	-	1.4	4.4	13.1	14.4	-	-	-	38.2	-	12.0	52.0	-	-	-	14.9	2.5	-	-	-	16.2	-	-	-	11.7	10.8	3.1	
	eh	8.1	11.8	12.8	20.7	23.1	-	-	-	32.9	-	8.1	4.3	-	-	-	9.1	1.6	-	-	9.4	-	-	-	18.5	17.5	4.0		
	fs	0.5	0.7	0.7	1.6	1.2	-	-	-	4.5	-	2.9	0.3	-	-	-	2.8	3.0	-	-	4.0	-	-	-	9.2	10.6	3.6		
	fo	77.1	67.4	66.9	48.4	44.9	-	-	-	11.2	-	8.4	18.8	-	-	-	19.0	-	-	-	10.2	-	-	-	1.4	-	-		
	fa	5.5	4.9	3.7	4.1	2.7	-	-	-	1.6	-	3.5	1.0	-	-	-	6.1	-	-	-	4.7	-	-	-	0.6	-	-		
	mt	6.7	7.7	8.8	6.5	7.7	-	-	-	2.8	-	5.1	-	-	-	-	4.4	0.5	-	-	5.3	-	-	-	3.5	3.9	10.0		
	cr	0.5	0.2	0.4	0.4	0.4	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-		
	hc	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
il	-	-	-	0.1	0.2	-	-	-	0.3	-	-	1.2	-	-	-	1.2	0.1	-	-	1.7	-	-	-	1.1	1.2	2.7			
ap	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	0.3	-	-	-	0.3	-	-	-	0.7	0.3	1.7			
py	-	0.1	0.1	0.1	0.1	-	-	-	-	-	0.2	-	-	-	-	0.1	0.1	-	-	0.5	-	-	-	3.0	0.1	0.5			
cc	0.6	0.5	-	0.7	-	-	-	-	0.2	-	0.3	0.1	-	-	-	-	-	-	-	0.1	-	-	-	0.3	-	0.7			
Total	99.9	100.0	100.0	100.1	99.4	-	-	-	100.0	-	99.9	100.3	-	-	-	100.0	100.0	-	-	-	100.0	-	-	-	100.3	99.8	100.2		
C H E M I C A L A N A L Y S I S Composite samples except where specimen number is given.	SiO <sub>2</sub>	36.18	37.15	37.64	41.01	40.96	-	-	50.08	-	-	41.69	46.45	-	-	46.32	69.60	-	-	45.14	-	-	-	47.78	50.22	53.24			
	Al <sub>2</sub> O <sub>3</sub>	0.86	1.15	0.76	1.50	1.60	-	-	2.72	-	-	20.19	5.09	-	-	12.27	16.00	-	-	14.80	-	-	-	15.17	15.24	14.36			
	Fe <sub>2</sub> O <sub>3</sub>	4.28	4.78	4.95	4.25	4.83	-	-	1.89	-	-	3.44	7.38	-	-	3.06	0.26	-	-	3.65	-	-	-	2.33	2.68	6.66			
	FeO	5.55	5.64	5.50	5.31	4.68	-	-	4.60	-	-	6.06	0.70	-	-	7.52	1.92	-	-	7.92	-	-	-	8.64	7.32	6.12			
	MgO	43.00	41.00	39.77	33.59	32.56	-	-	19.31	-	-	7.88	12.40	-	-	14.28	0.64	-	-	9.45	-	-	-	8.08	6.84	1.52			
	CaO	0.31	1.49	2.37	7.13	7.39	-	-	19.78	-	-	15.73	27.31	-	-	12.12	4.54	-	-	14.62	-	-	-	12.58	11.10	5.73			
	Na <sub>2</sub> O	0.00	0.00	0.00	0.00	0.01	-	-	0.11	-	-	1.22	0.07	-	-	1.76	5.54	-	-	1.44	-	-	-	1.54	2.46	3.86			
	K <sub>2</sub> O	0.00	0.04	0.02	0.03	0.01	-	-	0.02	-	-	0.41	0.03	-	-	0.36	0.78	-	-	0.38	-	-	-	0.78	0.68	2.40			
	TiO <sub>2</sub>	0.00	0.02	0.03	0.06	0.11	-	-	0.18	-	-	0.60	0.03	-	-	0.60	0.08	-	-	0.84	-	-	-	0.54	0.60	1.38			
	MnO	0.19	0.20	0.21	0.18	0.17	-	-	0.14	-	-	0.13	0.23	-	-	0.21	0.02	-	-	0.20	-	-	-	0.19	0.17	0.26			
	NiO	0.08	0.06	0.06	0.05	0.05	-	-	0.01	-	-	0.01	0.01	-	-	0.02	0.004	-	-	0.01	-	-	-	0.01	0.006	0.01			
	Cr <sub>2</sub> O <sub>3</sub>	0.21	0.18	0.26	0.23	0.25	-	-	0.19	-	-	0.02	0.03	-	-	(0.001)	(0.001)	-	-	0.03	-	-	-	0.06	0.08	t			
	CuO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.004	-	-	-	-	-	-	-	0.006	-	-		
	P <sub>2</sub> O <sub>5</sub>	t	t	0.01	0.01	0.01	-	-	0.01	-	-	0.16	0.01	-	-	0.07	0.06	-	-	0.07	-	-	-	0.31	0.08	0.67			
	CO <sub>2</sub>	0.23	0.22	0.23	0.27	0.54	-	-	0.07	-	-	0.15	0.04	-	-	(0.005)	0.06	-	-	0.04	-	-	-	0.13	(0.005)	0.29			
	S	0.04	0.05	0.05	0.07	0.05	-	-	0.03	-	-	0.13	0.03	-	-	0.06	0.05	-	-	0.25	-	-	-	1.60	0.10	0.27			
	H <sub>2</sub> O-	0.38	0.33	0.26	0.35	0.30	-	-	0.09	-	-	0.11	0.02	-	-	0.06	0.12	-	-	0.03	-	-	-	0.15	0.14	0.09			
H <sub>2</sub> O+	9.19	8.26	8.19	6.17	6.98	-	-	1.40	-	-	2.41	0.88	-	-	1.34	0.30	-	-	1.05	-	-	-	1.05	1.98	2.99				
Total	100.50	100.57	100.31	100.21	100.50	-	-	100.63	-	-	100.34	100.71	-	-	100.07	99.98	-	-	99.92	-	-	-	100.94	99.72	99.85				
Less O for S	0.02	0.03	0.03	0.04	0.03	-</																							