

TABLE 4. CHEMICAL ANALYSES FELSIC LAVAS NIETTA AREA

Name	Dacite	Dacite	Dacite	Dacite	Dacite	Rhyolite	Qtz-fsp por	Dacite	Rhyolite	Rhyolite	Qtz-fsp por	Dacite	Dacite	Dacite
Number	125	154	126	127	129	130	121	133	135	136	131	132	185	186
Locality	Flints Rd	Nietta Ck	Flints Rd	Flints Rd	Flints Rd	Filluels Rd	White Rock Rd	White Rock Rd	Off White Rock	Off White Rock	Castra Rd	Castra Rd	Ghost Hole Rd	Ghost Hole Rd
Easting	422650	423640	423050	423120	424120	422125	422220	421690	421550	421550	422800	422870	425500	424925
Northing	5422330	5421250	5422240	5422250	5421770	5422160	5423480	5423625	5423850	5423850	5423045	5423115	5422350	5422450
SiO2	74.8	74	70.8	74.3	71.8	77.6	78.5	71.6	76.4	77.5	73.8	67.9	74.3	71
TiO2	0.37	0.35	0.42	0.36	0.42	0.37	0.32	0.4	0.31	0.36	0.29	0.44	0.32	0.37
Al2O3	13.4	12.6	13.8	13.2	13.8	13.7	12.7	13	11.8	13.5	12.1	13.4	11.8	12.7
Fe2O3	1.28	2.51	2.86	4.22	3.4	1.28	1.76	3.69	3.34	1.66	4.26	3.71	2.38	3.68
MnO	<0.01	0.07	0.01	<0.01	0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.1	0.08	0.47
MgO	0.33	0.31	0.4	0.43	0.52	0.41	0.31	0.38	0.21	0.34	0.48	0.89	0.23	0.69
CaO	0.03	0.15	0.12	0.03	0.19	0.04	0.04	0.05	0.02	0.02	0.02	1.02	0.2	0.57
Na2O	1.62	3.28	4.23	0.06	4.62	0.06	0.08	1.05	0.08	0.07	0.09	2.3	2.33	2.89
K2O	4.2	4.45	4.4	4.29	4.24	2.96	3.97	4.95	3.44	4.27	4.26	4.85	5.34	4.39
P2O5	0.01	0.04	0.08	0.02	0.08	0.02	0.03	0.01	0.02	0.05	<0.01	0.04	0.03	0.08
LOI	2.75	1.29	1.31	3.45	1.17	3.9	2.68	2.73	3.88	2.9	3.77	3.42	1.23	2.45
Ba	600	1200	1000	250	1000	170	220	1350	180	390	380	1250	1550	1150
Rb	140	120	125	150	125	115	125	115	100	140	165	125	130	140
Sr	20	60	78	8	105	12	15	12	11	15	8	36	115	125
Y	30	33	31	25	30	30	22	33	27	31	14	37	38	40
Nb	24	22	20	22	22	26	24	26	22	24	22	22	32	34
Zr	220	200	220	210	230	220	210	160	200	210	170	210	180	210
Ni	<2	2	<2	3	<2	<2	<2	<2	3	3	3	<2	<2	<2
Cr	20	<20	<20	<20	30	<20	30	30	<20	<20	20	<20	50	<20
As	<3	12	<3	<3	<3	6	4	8	8	8	18	6	4	6
Sb	1	1	<0.5	5	<0.5	1	1.5	1	2	1.5	3.5	1	0.5	1
Th	21	20	19.5	19.5	19	19.5	19.5	19.5	17.5	22	19.5	18.5	18.5	19
U	4.8	4.7	4.3	4.2	4.6	2.8	2.1	2.8	3.3	3.1	2.7	4	3.3	4.8
La	39.5	35.5	42.5	36.5	24	52	28	52	70	44	37	36	45.5	49.5
Nd	35	33	38.5	33	23.5	46.5	27	33.5	62	37.5	35	33.5	43	47.5
Ce	86	80	92	82	56	115	62	115	150	92	86	80	90	100
Sm	6.5	6	7	6	4.5	7	4.3	7	10.5	7	5.5	6.5	7.5	8.5
Eu	1.55	1.3	1.85	1.35	1.3	1.35	0.88	1.35	1.65	1.6	0.74	1.85	1.85	2
Gd	0.78	5.5	6.5	5	4.4	5	3.9	6.5	7	6	3.6	6.5	6.5	7.5
Tb	3.8	0.83	0.83	0.7	0.68	0.79	0.6	0.89	0.9	0.8	0.41	1	0.94	0.99
Yb	0.5	4.1	3.8	3.1	3.8	4	3.1	3.6	3.3	3.3	2.1	4.5	4.2	4.2
Tl	0.3	1.2	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.6
Cu	<2	5	<2	<2	<2	<2	3	<2	17	3	66	4	<2	4
Pb	6	<5	6	<5	<5	6	<5	<5	100	6	6	<5	<5	6
Zn	9	22	13	16	15	10	27	8	9	15	9	17	17	62
Ag														
Au	<0.001	<0.001	<0.001	<0.001	>0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	0.004	0.003
S	<100	800	<100	<100	300	300	<100	<100	200	200	2.50%	400	<100	300