

TABLE 2. CHEMICAL ANALYSES ANDESITES OTHER THAN LEVEN GORGE

Name	Beulah And	Dasher And	Dasher And	Paradise	Lobster Ck Por	Isandula And	McPhersons And	Groove Ck And	Groove Ck And	Groove Ck And
Number	181	175	176	178	183	107	119	144	162	182
Locality	Beulah	Careys Rd	Lockwoods Rd	Paradise Hill	Allison Road	Isandula Rd	East Gawler R	Castra Plant'n	Wilmot R	Gentle Annie Hill
Easting	448425	438300	439800	443825	421825	427600	5426985	431350	432500	434225
Northing	5412450	5414000	5414375	5410875	5438375	5434720	5428875	5427600	5426950	5425675
SiO ₂	61.3	54.6	49.4	57.4	60.4	65	61.1	64.8	64.8	64.9
TiO ₂	0.79	0.73	0.54	0.61	0.75	0.65	0.63	0.63	0.63	0.75
Al ₂ O ₃	15.1	15.8	19.8	14	16.5	14.6	14.5	14.6	14.7	16.1
Fe ₂ O ₃	7.97	9.14	9.4	9.44	7.11	4.61	5.45	5.38	5.36	8.33
MnO	0.13	0.35	0.23	0.16	0.1	0.04	0.1	0.03	0.07	0.07
MgO	2.67	4.89	4.36	6.06	2.17	1.77	0.87	2.35	2.43	2.03
CaO	4.83	7.34	8.08	6.11	3.82	3.17	4.07	0.56	1.14	0.19
Na ₂ O	2.31	3.01	4.24	2.63	4.61	3.86	3.75	4	3.99	2.23
K ₂ O	3.25	1.02	0.96	2.13	2.05	3.38	2.15	3.71	3.57	2.3
P ₂ O ₅	0.26	0.28	0.19	0.16	0.11	0.11	0.12	0.08	0.11	0.14
LOI	2.57	3.75	3.81	2.74	3.38	1.78	5.57	2.29	2.21	4.75
Ba	1350	330	230	900	430	800	490	900	750	16
Rb	84	36	33	58	48	90	66	84	78	66
Sr	330	250	460	310	250	280	155	130	135	40
Y	27	25	25	21	25	35	29	32	34	84
Nb	30	30	32	24	20	22	20	20	22	32
Zr	190	150	160	110	130	240	210	240	230	210
Ni	6	35	21	18	<2	4	6	12	3	14
Cr	60	100	30	130	30	<20	40	<20	20	30
As	4	4	4	<3	6	<3	6	6	6	<3
Sb	<0.5	<0.5	<0.5	<0.5	1	<0.5	2	<0.5	0.5	0.5
Th	10.5	8	11	7	7	16	13.5	16	14.5	13.5
U	2.5	2	3.2	1.7	1.15	3.8	3.2	3.4	4.1	2.9
La	34.5	25.5	22.5	20.5	18.5	33.5	28	22.5	31	40.5
Nd	33	21.5	22.5	19	24.5	30.5	26	25.5	30.5	45.5
Ce	70	50	49	41.5	36	74	62	56	68	62
Sm	5.5	3.9	4.1	3.5	4.9	6	5	5	6	9.5
Eu	1.8	1.15	1.15	1.1	1.4	1.5	1.25	1.4	1.45	2.4
Gd	5	3.8	3.8	3.5	4.5	6	5	5.5	6	11.5
Tb	0.75	0.6	0.59	0.52	0.67	0.9	0.73	0.85	0.91	1.9
Yb	3	2.7	2.8	2.4	2.9	4	3.3	4.2	4.1	8
Tl	0.5	0.2	0.3	0.8	0.1	0.2	0.2	0.3	0.3	0.2
Cu	10	20	7	25	3	7	33	4	6	<2
Pb	<5	12	34	<5	58	<5	<5	6	64	<5
Zn	54	280	260	72	50	30	17	54	180	80
Ag										
Au	0.006	0.005	0.004	0.003	0.003		<0.001	<0.001	<0.001	0.002
S	800	300	>100	<100	<100	100	200	400	<100	<100