TABLE D1. COMPOSITIONAL DATA FROM KISSEYNEW DOMAIN GRANITOIDS

Sample #	K616-5	P619-1	K619-4	K619-1	P712-3	K612-1	P824-1M	P822-2M	K621-2M	K806-1M	393	274	275	3160	3200	3230	135	210	314	159	150
Location # [1]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
NTS map [2]	63 M/7	63 M/7	63 M/7	63 M/7	63 M/7	63 M/7	63 M/7	63 M/7	63 M/10	63 M/9	64 D/2	64 D/2	64 D/2	64 D/2	64 D/2	64 D/2	64 D/8	64 D/8	64 D/1	64 D/8	64 D/8
UTM [3]	565306	491357	386307	405326	444383	425432	400470	373390	483554	708682	306130	493223	495227	408293	417314	405345	571500	571500	715265	822513	839520
Suite #	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia
Major elements (wt. %)																					
SiO2	73.22	75.83	75.88	78.59	78.38	74.24	71.11	73.50	74.18	74.06	68.75	60.37	58.19	61.11	56.85	61.05	66.41	69.29	72.78	68.91	67.70
TiO2	0.23	0.09	0.11	0.03	0.11	0.10	0.32	0.20	0.04	0.15	0.50	0.92	0.86	0.93	1.12	0.97	0.64	0.43	0.24	0.38	0.37
Al2O3	14.34	13.59	13.90	12.49	12.01	15.15	15.27	15.32	15.18	15.05	16.48	15.98	16.60	16.59	16.53	16.79	16.83	16.19	15.24	16.02	16.42
Fe2O3	2.56	1.10	1.03	0.32	1.33	1.27	2.72	1.48	0.52	0.77	2.81	7.21	8.67	7.62	9.28	7.55	4.30	3.22	1.36	3.14	3.20
MnO	0.03	0.00	0.01	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.03	0.08	0.11	0.08	0.12	0.08	0.06	0.03	0.01	0.05	0.05
MgO	0.63	0.28	0.17	0.07	0.39	0.39	1.03	0.40	0.18	0.32	0.97	4.06	5.52	2.95	3.88	3.07	2.06	1.60	0.55	1.82	1.90
CaO	1.32	0.75	0.54	1.07	0.83	2.56	2.96	2.77	1.58	1.78	3.09	5.57	7.65	5.49	6.98	5.37	3.94	3.35	2.01	4.08	4.46
K2O	4.22	5.61	5.69	4.79	4.15	1.49	2.37	1.32	5.19	4.05	1.74	2.93	1.11	1.84	1.97	2.18	1.86	1.58	3.21	1.54	1.11
Na2O	3.30	2.68	2.63	2.59	2.72	4.71	4.08	4.97	3.06	3.76	5.42	2.65	1.11	3.16	3.05	2.76	3.72	4.16	4.49	3.85	4.56
P2O5	0.14	0.08	0.05	0.06	0.05	0.09	0.11	0.05	0.09	0.06	0.21	0.23	0.18	0.21	0.22	0.20	0.18	0.14	0.11	0.21	0.22
LOI	0.35	0.20	0.40	0.25	0.55	0.50	0.40	0.35	0.35	0.15	0.25	0.86	-0.01	0.20	0.60	0.15	0.40	0.60	0.30	0.30	0.20
Total	100.2	100.4	100.5	98.9	100.5	100.2	100.1	100.4	100.2	100.1	98.9	100.9	100.0	100.2	100.6	100.2	100.4	100.1	100.2	100.3	100.2
Trace elements (ppm)																					
Cr	27.2	9.6	14.4	10.2	12.7	17.6	18.3	7.71	12.9	8.22	9.72	169	230	87.4	85.7	83.4	38.4	41.8	10.4	21.9	30.1
Co	5.28	2.16	1.77	0.82	2.35	2.70	8.37	3.27	1.24	1.97	7.75	31.4	40.8	30.1	37.2	29.6	11.0	7.69	3.88	11.0	11.7
Ni	7.30	1.65	1.16	1.92	1.25	2.17	7.34	0.67	3.08	1.27	2.89	60.9	45.3	25.0	21.2	25.5	8.45	9.91	2.85	18.9	19.3
Pb	22.87	46.02	44.75	39.37	48.10	19.57	8.94	8.57	31.07	36.87	8.48	14.17	8.56	10.97	8.64	10.26	9.26	11.77	20.02	5.16	3.64
Rb	143	191	196	133	198	58	62	20	103	79	30	110	53	70	75	78	84	72	43	44	21
Sr	136	95	67	152	99	326	406	556	428	740	1186	279	323	216	185	198	418	367	484	490	462
Cs	2.07	2.15	1.31	1.19	2.21	0.80	1.15	0.14	0.50	0.68	0.11	3.49	2.03	3.25	2.65	1.55	2.48	2.38	3.22	1.47	0.48
Ba	742	630	465	706	655	134	716	408	2120	1515	1172	709	422	521	464	668	534	581	1192	519	438
Sc	7.85	3.56	3.46	1.39	3.85	3.17	3.62	3.44	1.88	1.87	3.75	23.7	34.9	26.1	32.2	24.8	11.7	7.29	2.00	5.89	6.05
V	15.9	4.94	5.69	2.26	5.23	11.5	33.8	15.6	4.89	9.91	42.9	137	167	102	126	100	86.4	60.4	16.7	43.1	42.9
Ta	0.12	0.21	0.10	0.14	0.44	0.14	0.17	0.04	0.05	0.12	0.22	0.79	0.44	0.62	0.50	0.47	0.62	0.53	0.15	1.06	0.43
Nb	2.11	2.45	1.43	1.15	6.61	1.41	4.63	1.71	0.75	2.35	6.10	13.14	7.98	10.79	9.15	9.71	8.43	7.60	2.47	12.15	9.08
Zr	130	123	95	57	152	113	101	68	86	103	189	230	133	205	159	197	136	149	85	131	154
Hf	3.67	4.72	3.53	2.13	5.85	3.46	2.76	2.42	2.64	3.24	5.87	6.30	3.58	5.74	4.62	5.51	4.04	4.08	2.90	3.98	4.72
Th	9.22	43.42	29.64	7.05	52.59	2.63	3.57	0.38	7.49	6.10	5.17	12.51	1.38	11.75	3.18	4.78	6.07	4.87	4.18	1.98	2.05
U	3.83	4.05	0.01	4.17	4.15	1.35	0.68	0.37	1.51	1.89	0.60	2.18	1.34	2.78	0.60	0.87	2.31	3.02	1.18	0.99	0.51
Y	21.01	39.85	17.45	6.25	28.42	4.80	3.41	2.00	2.72	2.21	5.81	28.40	24.67	26.44	30.78	20.80	15.35	11.02	2.93	7.08	6.00
La	30.94	53.71	34.45	11.74	61.32	13.35	21.56	8.53	30.73	22.24	19.20	41.34	20.26	35.38	22.58	24.13	21.47	20.98	22.96	17.30	17.13
Ce	63.40	105.2	64.38	21.38	120.7	25.30	38.11	16.82	58.10	39.50	41.60	91.39	46.42	73.90	48.56	50.99	46.35	44.49	39.24	37.34	36.13
Pr	8.10	11.59	7.21	2.22	12.45	2.90	3.87	1.93	6.29	4.08	4.39	10.83	5.99	8.69	6.07	6.12	5.70	5.28	4.30	3.58	4.28
Nd	30.04	37.88	24.92	7.36	41.97	10.50	12.74	7.27	22.08	13.80	15.95	41.86	24.22	32.08	25.67	24.74	23.63	20.51	14.38	12.46	15.71
Sm	5.65	7.85	4.95	1.53	8.84	1.92	1.71	1.44	3.38	1.94	2.60	7.69	5.31	6.55	5.39	4.94	4.73	3.86	1.64	2.01	2.66
Eu	0.64	0.51	0.35	0.54	0.52	0.66	0.73	0.49	1.84	0.89	0.79	1.57	1.34	1.29	1.28	1.22	0.95	0.99	0.59	0.74	0.71
Gd	4.57	7.08	4.23	1.15	7.30	1.39	1.16	1.04	2.24	1.14	1.73	6.45	4.98	5.87	5.92	4.66	3.87	3.24	0.92	1.52	1.98
Tb	0.64	1.19	0.59	0.18	1.03	0.18	0.11	0.10	0.17	0.09	0.19	0.92	0.73	0.83	0.93	0.68	0.55	0.38	0.08	0.21	0.25
Dy	3.92	7.62	3.51	1.09	5.69	0.95	0.66	0.46	0.65	0.40	0.98	5.31	4.61	4.95	5.89	4.11	2.95	2.18	0.44	1.23	1.44
Ho	0.83	1.63	0.68	0.21	1.06	0.16	0.11	0.07	0.09	0.06	0.17	1.05	0.91	1.04	1.24	0.84	0.60	0.42	0.08	0.24	0.27
Er	2.55	4.68	2.04	0.62	2.80	0.41	0.29	0.16	0.22	0.15	0.47	3.03	2.63	3.06	3.56	2.42	1.75	1.10	0.23	0.76	0.75
Tm	0.41	0.66	0.30	0.09	0.39	0.05	0.04	0.02	0.03	0.02	0.07	0.43	0.40	0.44	0.53	0.37	0.32	0.18	0.03	0.12	0.11
Yb	2.79	4.07	1.86	0.61	2.43	0.28	0.24	0.13	0.19	0.11	0.40	2.70	2.41	2.89	3.57	2.19	2.30	1.10	0.20	0.85	0.77
Lu	0.38	0.57	0.26	0.09	0.34	0.04	0.04	0.02	0.02	0.02	0.06	0.43	0.36	0.43	0.52	0.34	0.35	0.15	0.03	0.14	0.12

TABLE D1. COMPOSITIONAL DATA FROM KISSEYNEW DOMAIN GRANITOIDS (*CONTINUED.*)

Sample #	152	163	162	12-3-2010	12-3-2003	25-2-7240	25-2-7232	25-3-8220	25-3-9089	25-3-9085	25-3-8342	4-71-771	04-72-541	252-9432	252-7497	252-7422	252-7423	25-3-1313
Location # [1]	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
NTS map [2]	64 D/8	64 D/8	64 D/8	63 N/11	63 N/11	63 N/15	63 N/15	63 N/15	63 N/15	63 N/15	63 N/10	63 N/7	63 N/7	63 N/10	63 N/10	63 N/9	63 N/9	63 N/16
UTM [3]	805521	819538	822531	663616	660635	752898	776883	788887	841828	845814	851735	912478	912460	990678	991653	132726	128726	096000
Suite #	Ia	Ia	Ia	II	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ia
Major elements (wt. %)																		
SiO2	66.57	68.77	62.99	49.82	50.90	65.08	64.30	62.47	67.70	69.17	65.25	62.39	57.46	65.23	75.45	64.58	66.04	67.96
TiO2	0.43	0.40	0.54	0.90	1.09	0.83	0.94	1.11	0.61	0.48	0.54	1.05	1.08	0.71	0.04	0.90	0.74	0.51
Al2O3	15.97	15.74	16.95	10.53	20.04	16.52	16.08	16.47	15.90	15.68	17.18	12.40	19.00	16.33	14.93	16.86	16.21	15.71
Fe2O3	3.97	3.57	4.90	11.54	9.35	5.98	7.22	7.65	4.91	4.25	5.43	7.97	7.44	5.59	0.74	5.43	5.73	4.46
MnO	0.08	0.05	0.08	0.17	0.07	0.05	0.06	0.07	0.02	0.02	0.10	0.10	0.09	0.06	0.02	0.04	0.05	0.03
MgO	2.39	1.97	3.05	13.16	4.77	2.44	2.39	2.60	1.84	1.56	1.78	3.71	3.32	2.10	0.13	2.18	2.09	1.86
CaO	4.99	4.15	6.29	11.95	5.79	3.86	3.53	3.95	2.92	2.68	2.60	5.88	5.29	3.64	0.91	4.01	3.58	3.01
K2O	1.05	1.62	0.54	0.59	2.86	1.58	2.33	2.38	2.03	1.91	2.21	2.45	2.11	2.70	3.59	2.06	2.03	2.44
Na2O	4.38	3.56	4.38	1.15	3.68	3.43	2.89	3.04	3.84	4.18	4.79	3.71	3.87	3.44	4.06	3.75	3.32	3.87
P2O5	0.17	0.16	0.28	0.18	1.45	0.22	0.25	0.27	0.23	0.08	0.13	0.34	0.33	0.18	0.13	0.20	0.20	0.15
LOI	0.05	0.45	0.45	0.05	0.60	0.40	0.25	0.71	0.30	0.55	0.05	0.33	0.45	0.25	0.40	0.50	0.35	0.25
Total	100.1	100.3	100.5	99.1	100.6	100.4	98.7	98.1	100.4	99.5	98.5	100.3	100.5	98.3	100.3	98.5	100.5	98.4
Trace elements (ppm)																		
Cr	40.5	29.7	59.6	806	181	86.9	78.6	84.8	72.1	49.2	29.2	84.3	75.4	71.5	9.71	77.7	74.1	78.3
Co	15.4	12.2	19.0	74.5	37.6	22.8	24.6	27.8	17.6	14.9	16.4	50.8	66.3	21.4	1.64	22.1	20.5	16.8
Ni	31.2	25.3	34.4	352	84.4	28.0	28.6	31.3	21.8	16.2	10.9	73.9	38.5	26.0	1.79	30.2	24.9	21.6
Pb	2.62	5.12	2.30	2.74	14.77	14.74	13.05	13.53	18.18	17.50	13.77	8.02						
Rb	18	36	9	12	141	92	115	130	133	105	127	80	118	114	147	99	99	146
Sr	380	352	636	428	409	194	290	242	147	160	320	396	374	237	72	246	221	181
Cs	0.13	0.42	0.03	0.00	2.53	0.15	2.08	3.04	0.89	0.06	3.22	0.67	3.19	1.12	0.17	0.89	0.74	5.14
Ba	389	420	244	167	384	264	1442	986	226	178	178	790	692	802	174	391	477	242
Sc	8.70	6.86	11.3	53.1	21.5	16.5	20.5	22.1	12.1	10.3	11.9	19.5	18.9	16.2	2.71	14.5	17.2	12.2
V	57.2	48.1	89.2	269	128	81.9	85.4	93.1	61.0	41.0	55.8	123	124	69.3	1.2	85.4	69.8	55.0
Ta	0.42	0.44	0.26	0.39	0.86	0.77	0.52	0.69	0.72	0.34	0.61	1.01	1.83	0.51	0.21	0.89	1.26	0.90
Nb	8.24	8.58	6.76	7.84	21.21	16.17	13.63	15.72	15.53	13.35	15.09	13.40	15.26	10.78	3.50	18.19	13.96	16.46
Zr	132	156	143	83	50	205	278	302	210	131	138	252	199	201	32	211	197	187
Hf	4.28	4.42	3.81	2.34	1.47	5.40	7.00	7.82	5.83	3.71	3.76	6.78	5.40	6.20	1.45	5.45	5.36	3.65
Th	0.69	1.59	0.39	0.77	3.45	9.94	13.56	20.39	9.31	11.29	9.11	0.81	4.45	13.62	0.64	5.74	13.19	10.55
U	0.01	0.60	0.30	0.46	2.66	1.55	1.29	1.39	2.45	2.21	3.06	0.37	1.21	1.78	1.65	0.95	1.86	3.20
Y	9.36	8.92	10.36	26.90	33.88	16.91	35.48	29.48	18.14	12.66	8.30	15.72	15.49	21.18	6.79	18.60	19.78	12.89
La	13.40	16.64	15.85	18.68	43.06	38.16	60.99	66.69	32.20	24.26	33.56	31.32	34.45	48.33	5.10	29.51	45.44	33.27
Ce	28.46	32.33	33.48	52.90	116.5	79.63	123.6	133.9	67.09	52.45	65.51	61.31	71.04	97.79	10.15	58.21	91.46	66.60
Pr	3.66	3.99	4.65	8.43	17.97	9.75	14.99	16.13	8.14	6.23	7.44	8.32	8.83	11.90	1.19	6.97	11.24	8.20
Nd	13.69	14.35	18.89	38.68	85.53	37.17	57.51	63.63	30.47	22.82	26.41	32.77	35.16	45.45	3.95	26.67	42.96	24.60
Sm	2.33	2.53	3.36	8.57	24.79	6.83	9.73	10.70	6.26	5.41	4.02	5.87	6.39	8.18	1.08	5.21	7.93	3.18
Eu	0.68	0.69	0.97	2.07	1.70	0.91	2.10	1.64	0.75	0.71	0.53	1.80	1.81	1.23	0.27	1.25	1.19	0.65
Gd	2.00	1.99	2.64	7.17	22.46	5.18	8.48	8.77	5.53	4.41	2.77	4.70	5.04	6.67	1.08	4.61	6.17	2.57
Tb	0.28	0.28	0.33	0.94	2.57	0.67	1.14	1.05	0.76	0.52	0.35	0.60	0.64	0.88	0.24	0.67	0.77	0.33
Dy	1.65	1.58	1.88	5.37	9.95	3.64	7.03	5.97	4.01	2.67	1.76	3.24	3.49	4.74	1.65	3.78	4.23	1.85
Ho	0.34	0.30	0.36	1.00	1.26	0.65	1.33	1.18	0.66	0.49	0.29	0.63	0.66	0.87	0.33	0.68	0.76	0.32
Er	0.97	0.88	1.00	2.71	2.58	1.63	3.96	3.17	1.65	1.18	0.76	1.71	1.80	2.27	0.86	1.73	2.03	0.86
Tm	0.14	0.13	0.14	0.38	0.28	0.22	0.60	0.43	0.21	0.16	0.12	0.24	0.24	0.30	0.13	0.24	0.29	0.10
Yb	1.01	0.90	0.95	2.33	1.57	1.29	3.63	2.54	1.27	0.91	0.71	1.56	1.52	1.93	0.90	1.41	1.75	0.64
Lu	0.14	0.13	0.14	0.32	0.18	0.19	0.53	0.34	0.18	0.13	0.08	0.23	0.22	0.28	0.13	0.18	0.24	0.07

TABLE D1. COMPOSITIONAL DATA FROM KISSEYNEW DOMAIN GRANITOIDS (*CONTINUED.*)

Sample #	25-3-8250	25-2-7113	25-2-7115	252-7444	252-7447	25-3-8452	25-3-8450	252-7181	252-5675	252-7342	252-7339	252-4714	252-4719	04-2-2453	04-2-2463	04-2-2468	04-2-2201
Location # [1]	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
NTS map [2]	63 N/15	63 N/16	63 N/16	63 N/9	63 N/9	63 N/16	63 N/16	63 N/16	63 N/9	63 N/9	63 N/9	63 N/9	63 N/9	63 N/9	63 N/9	63 N/9	63 N/8
UTM [3]	063963	121861	130862	144706	147691	263918	275913	164810	268754	232682	228697	239597	245594	290538	302556	302545	355451
Suite #	Ia	Ia	Ia	Ia	Ib	Ib	Ia	Ia	Ia	Ia	Ia	Ia	Ia	Ib	Ib	Ia	Ia
Major elements (wt. %)																	
SiO2	67.40	73.76	64.12	64.46	72.62	73.71	74.51	64.05	66.17	64.71	64.45	63.72	72.90	72.77	67.92	70.04	73.67
TiO2	0.61	0.16	0.77	0.72	0.50	0.07	0.20	0.79	0.72	0.86	0.88	0.82	0.21	0.47	0.89	0.49	0.05
Al2O3	15.85	14.69	16.82	16.19	14.62	15.69	13.76	16.65	15.88	16.15	16.36	16.06	14.80	14.60	15.43	15.20	14.92
Fe2O3	4.78	1.42	5.99	6.85	2.72	0.21	1.80	6.56	5.87	6.49	6.97	6.64	1.99	2.14	4.52	4.19	0.65
MnO	0.05	0.02	0.05	0.10	0.02	0.00	0.04	0.05	0.04	0.05	0.06	0.06	0.02	0.00	0.00	0.04	0.00
MgO	1.99	0.35	2.05	2.33	0.75	0.15	0.22	2.24	1.64	2.14	2.21	2.61	0.42	0.67	1.90	1.05	0.15
CaO	3.21	1.14	2.98	3.93	1.51	1.81	0.88	3.72	3.02	3.48	3.58	4.91	1.23	1.07	2.59	2.18	0.81
K2O	2.55	4.92	2.75	2.15	3.96	3.62	5.63	2.30	3.31	2.49	1.95	1.77	5.34	5.23	2.77	3.42	6.89
Na2O	3.38	3.41	4.19	3.07	3.15	4.66	2.89	3.41	3.11	3.40	3.27	3.19	3.01	2.88	3.92	3.32	2.74
P2O5	0.18	0.13	0.28	0.19	0.15	0.08	0.06	0.23	0.23	0.22	0.26	0.22	0.08	0.17	0.07	0.07	0.13
LOI	0.40	0.25	0.50	0.35	0.30	0.25	0.30	0.45	0.25	0.35	0.20	0.15	0.35	0.65	0.30	0.20	0.25
Total	100.3	100.5	98.7	98.7	100.3	99.2	98.5	98.6	98.7	98.9	100.0	98.7	100.5	100.3	99.1	98.9	98.9
Trace elements (ppm)																	
Cr	69.1	8.62	71.5	77.5	66.4	5.59	8.77	76.6	55.4	69.6	62.8	75.8	4.49	15.0	45.6	31.6	6.74
Co	11.7	4.32	20.3	24.4	22.8	1.25	4.40	25.0	18.6	23.2	22.9	25.9	5.09	6.99	17.3	13.7	2.26
Ni	21.8	3.4	22.3	26.9	24.0	1.62	1.37	29.6	24.2	27.9	28.0	23.7	2.83	6.22	20.2	15.3	2.20
Pb		42.89			16.37	44.90	22.73	17.08	20.10	17.59	15.73	10.11	31.57	37.43	24.54	24.31	39.49
Rb	105	113	173	124	104	64	117	125	129	138	137	80	143	166	165	137	168
Sr	210	143	181	218	220	379	112	250	245	217	220	232	192	198	508	179	139
Cs	8.46	1.36	8.42	2.17	1.28	0.00	0.36	3.49	2.71	3.70	2.92	2.73	1.09	0.60	2.19	1.70	0.00
Ba	853	596	321	606	581	701	998	747	999	687	751	628	1080	837	634	503	503
Sc	13.4	6.93	15.6	29.6	19.1	2.01	6.40	19.8	15.9	18.7	18.9	18.5	4.87	5.37	7.71	11.1	2.73
V	59.7	9.58	72.9	70.9	69.9	1.54	9.81	78.6	59.7	79.0	78.0	78.2	12.0	22.8	63.9	39.5	2.02
Ta	0.54	0.34	1.07	0.87	2.11	0.13	0.51	0.80	0.99	1.21	0.89	0.60	1.17	0.48	0.92	0.82	0.13
Nb	12.11	6.04	18.48	11.11	14.22	1.89	9.22	15.39	15.57	15.32	15.01	9.08	15.40	8.42	27.06	13.17	1.93
Zr	164	121	204	212	240	28	190	233	282	226	252	136	232	337	359	181	25
Hf	4.60	3.68	5.70	6.11	6.77	1.02	5.98	6.03	7.84	6.15	7.13	3.57	7.16	9.25	8.35	5.40	0.84
Th	5.32	13.39	9.88	13.02	9.94	6.09	27.12	12.54	14.34	10.55	7.17	2.03	27.38	48.60	30.54	10.41	0.54
U	2.41	6.62	4.84	2.42	1.57	2.85	3.57	1.61	2.00	2.21	1.56	0.73	2.78	7.47	6.82	4.47	0.52
Y	13.98	10.99	19.61	35.98	18.67	3.18	27.16	17.96	28.50	18.13	17.41	9.62	11.94	6.87	7.39	13.70	4.79
La	23.47	26.92	43.11	54.94	39.92	15.93	57.11	39.99	50.76	47.10	34.29	18.37	76.34	83.02	132.86	33.11	8.59
Ce	46.77	51.90	95.94	109.0	81.30	31.28	116.7	83.43	105.6	97.08	69.45	34.51	150.0	177.7	268.1	68.39	14.52
Pr	5.62	5.13	11.82	13.29	9.74	3.65	13.16	9.68	12.73	11.19	8.53	3.93	15.51	20.69	30.39	8.28	1.45
Nd	21.42	16.67	44.39	48.25	37.90	13.71	46.32	36.55	49.23	42.55	33.48	14.58	52.84	73.01	111.91	30.53	4.36
Sm	4.12	3.08	7.80	8.39	6.95	2.73	8.12	6.97	9.37	7.33	6.18	2.53	8.29	11.06	14.29	5.20	0.73
Eu	1.09	0.49	0.78	1.22	1.40	0.80	0.69	1.41	1.62	1.37	1.33	1.14	0.71	0.90	1.96	1.01	0.54
Gd	3.54	2.85	6.24	7.17	5.77	1.81	6.43	5.95	7.90	6.01	5.27	2.20	5.64	5.91	7.67	3.47	0.67
Tb	0.49	0.44	0.83	1.04	0.73	0.18	0.85	0.73	1.00	0.71	0.69	0.29	0.56	0.48	0.63	0.46	0.11
Dy	2.84	2.34	4.44	6.71	3.90	0.75	5.05	3.83	5.69	4.00	3.79	1.77	2.65	1.97	2.29	2.65	0.71
Ho	0.54	0.42	0.73	1.44	0.72	0.11	0.93	0.70	1.06	0.71	0.70	0.36	0.42	0.24	0.29	0.54	0.14
Er	1.43	1.12	1.65	4.12	1.98	0.21	2.67	1.78	2.84	1.85	1.82	1.08	1.11	0.45	0.56	1.56	0.40
Tm	0.20	0.16	0.22	0.64	0.27	0.03	0.37	0.25	0.39	0.25	0.23	0.17	0.15	0.05	0.06	0.23	0.06
Yb	1.31	1.04	1.42	4.43	1.75	0.09	2.28	1.30	2.32	1.44	1.35	0.99	1.01	0.27	0.35	1.48	0.42
Lu	0.17	0.14	0.19	0.66	0.23	0.01	0.32	0.17	0.32	0.19	0.19	0.16	0.14	0.03	0.05	0.21	0.06

TABLE D1. COMPOSITIONAL DATA FROM KISSEYNEW DOMAIN GRANITOIDS (*CONTINUED.*)

Sample #	04-2-260	04-2-6278	04-2-6269	04-73-18-2	04-73-18-6	04-73-12-1	04-73-18-1	04-73-475-1	04-73-475-2	30-0146	30-1-130	30-0094	30-1591	30-0091	29-1-2046	29-1-2047
Location # [1]	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
NTS map [2]	63 N/8	63 N/8	63 N/8	63 N/8	63 N/8	63 N/8	63 N/8	63 N/8	63 N/8	63 O/11	63 O/11	63 O/5	63 O/6	63 O/6	63 O/7	63 O/7
UTM [3]	342438	331340	331325	095400	120392	135375	158350	095320	108312	746509	716518	675296	727301	730241	206237	208236
Suite #	Ia	Ib	Ib	II	II	II	II	II	II	Ia	Ia	Ia	Ia	Ia	Ia	Ia
Major elements (wt. %)																
SiO2	73.60	69.81	70.29	56.72	51.00	52.16	54.20	51.08	52.40	67.89	65.07	71.31	70.37	70.28	73.97	74.16
TiO2	0.24	0.45	0.56	0.58	0.67	0.67	0.52	0.62	0.35	0.80	0.79	0.32	0.44	0.41	0.27	0.21
Al2O3	14.62	15.04	15.76	9.73	7.26	12.50	14.39	9.92	8.34	15.24	16.22	15.30	15.57	15.05	13.92	14.16
Fe2O3	1.82	5.10	2.12	8.00	8.95	8.91	9.29	8.91	10.23	4.39	6.49	1.82	2.59	3.54	1.23	1.06
MnO	0.02	0.06	0.00	0.12	0.14	0.14	0.12	0.15	0.15	0.05	0.06	0.01	0.02	0.04	0.00	0.01
MgO	0.43	1.36	0.90	12.83	17.57	12.96	10.12	15.47	18.28	1.30	2.08	0.67	0.88	0.85	0.44	0.33
CaO	1.27	2.77	1.98	10.22	12.39	9.34	8.94	11.80	8.15	2.75	3.61	1.66	2.14	2.22	1.19	1.28
K2O	4.24	1.44	4.77	0.29	0.36	0.96	0.85	0.45	0.35	3.63	2.15	4.71	3.84	4.24	5.81	5.67
Na2O	3.70	3.90	3.37	1.24	1.34	2.16	1.34	1.42	1.62	3.61	3.31	4.10	4.01	3.24	3.11	3.04
P2O5	0.06	0.06	0.25	0.26	0.31	0.18	0.23	0.17	0.14	0.33	0.22	0.09	0.13	0.12	0.07	0.07
LOI	0.70	0.40	0.25	1.12	0.67	0.67	1.31	1.42	0.64	0.35	0.20	0.40	0.55	0.50	0.30	0.35
Total	99.4	99.0	100.2	101.1	100.7	100.7	101.3	101.4	100.6	100.3	98.4	98.5	98.4	99.7	98.8	99.3
Trace elements (ppm)																
Cr	9.37	55.6	16.2	1242	2120	723	747	1376	1794	27.4	17.6	30.0	28.0	29.9	13.7	11.1
Co	4.89	16.3	7.09	74.5	84.2	85.5	70.7	78.4	97.6	12.4	6.79	6.86	9.55	10.9	4.47	3.30
Ni	1.58	24.6	4.51	302	570	320	171	316	378	9.20	6.06	8.43	8.00	8.20	2.42	2.06
Pb	21.80	17.13	38.02	2.57	1.89	5.02	3.94	2.81	2.73	25.06	29.45	29.96	22.98	20.65	56.16	37.69
Rb	129	46	134	5	13	41	31	7	12	177	157	168	117	140	127	155
Sr	183	351	735	382	210	388	312	265	171	481	245	208	308	229	122	105
Cs	0.56	0.31	0.40	0.09	0.36	1.09	1.16	0.14	0.22	2.95	1.51	2.90	2.61	3.74	0.60	0.79
Ba	1091	279	1776	72	104	274	143	59	85	1033	806	664	767	754	649	546
Sc	4.01	18.6	3.47	42.8	47.3	39.9	47.5	41.2	37.6	8.38	5.50	3.91	6.13	10.6	3.24	3.35
V	18.5	56.4	26.4	193	186	200	274	226	223	43.1	25.8	25.5	31.3	36.3	14.0	10.8
Ta	0.64	0.23	0.37	0.68	0.61	1.58	1.09	0.73	1.22	1.29	0.65	2.06	0.86	1.48	1.66	1.96
Nb	12.37	7.62	9.18	4.52	5.05	5.34	7.00	3.05	4.08	18.46	8.86	12.12	9.53	16.32	7.17	5.64
Zr	214	347	383	76	76	93	104	49	56	292	262	137	139	190	194	163
Hf	5.61	9.35	8.34	2.05	2.01	2.47	3.25	1.61	1.27	6.96	6.90	4.18	4.53	5.89	5.54	4.97
Th	14.38	1.84	29.79	0.53	0.82	0.78	0.74	0.51	0.35	20.74	28.96	11.53	11.91	16.16	36.74	2.99
U	2.41	0.98	4.05	0.35	0.52	0.64	0.36	0.32	0.32	4.09	6.67	3.63	3.78	5.13	3.29	1.17
Y	7.53	26.96	7.49	18.27	17.47	17.93	41.65	14.76	10.40	12.91	9.61	5.73	6.50	19.79	4.14	3.08
La	67.16	17.04	143.67	19.02	16.11	11.38	20.69	10.72	8.92	78.77	75.14	28.87	33.55	56.38	69.67	15.19
Ce	116.8	30.98	265.0	52.00	44.31	29.09	63.98	29.30	22.75	162.1	153.0	55.22	64.19	113.6	136.7	23.18
Pr	12.26	3.44	27.80	7.52	6.53	4.27	10.36	4.50	3.21	18.48	17.35	6.25	7.36	13.37	14.95	2.17
Nd	38.93	11.54	90.45	32.70	28.37	19.46	49.17	22.55	13.73	64.66	57.84	22.41	26.19	49.41	49.38	6.68
Sm	5.12	1.95	10.38	6.26	6.05	4.54	11.13	5.46	2.92	9.44	7.82	4.02	4.31	8.35	6.86	0.80
Eu	0.69	1.40	2.13	1.79	1.42	1.03	1.40	1.44	0.89	1.64	0.96	0.67	0.88	1.39	0.49	0.50
Gd	3.17	1.87	5.22	5.29	5.03	4.30	10.54	5.25	2.60	5.82	4.55	2.68	2.66	6.05	3.43	0.55
Tb	0.29	0.41	0.39	0.66	0.63	0.62	1.40	0.66	0.31	0.60	0.46	0.29	0.29	0.77	0.26	0.07
Dy	1.57	3.61	1.75	3.63	3.34	3.67	8.17	3.23	1.85	2.97	2.23	1.28	1.45	4.23	1.02	0.44
Ho	0.26	1.02	0.22	0.64	0.61	0.69	1.56	0.58	0.37	0.45	0.34	0.19	0.25	0.78	0.14	0.12
Er	0.66	3.85	0.43	1.69	1.63	1.88	4.25	1.53	0.95	1.12	0.81	0.46	0.63	2.15	0.33	0.37
Tm	0.11	0.66	0.05	0.23	0.22	0.27	0.58	0.20	0.13	0.14	0.11	0.06	0.08	0.30	0.05	0.06
Yb	0.58	5.12	0.18	1.49	1.24	1.77	3.44	1.25	0.91	0.76	0.65	0.32	0.49	2.01	0.30	0.47
Lu	0.09	0.76	0.02	0.20	0.18	0.25	0.47	0.18	0.13	0.10	0.08	0.04	0.06	0.28	0.05	0.07

1 See Figure 2 for location.
2 Canadian National Topographic Series.
3 UTM grid reference on map. First 3 digits: easting; second 3 digits: northing.