Table DR4 - Additional geochemical data for Miocene rocks of the central Wrangell volcanic field

Sample	PACK-62	NZM-66.5	CHM-30	CHM3-81	CHM3-89	55-6695	57-6919	57-6919A	56-6877
Type	Lava	Lava	Lava	Lava	Lava	Lava	Lava	Lava	Lava
Section	1	6	9	10	10	12	12	12	12
Number	4	7	14	22	23	24	25	26	27
Latitude (dd)	61.655967	61.609417	61.723694	61.714139	61.714861	61.521406	61.521406	61.521406	61.521406
Longitude (dd)	143.150067	142.541194	142.479611	142.479972	142.481472	142.390981	142.390981	142.390981	142.390981
SiO_2 (wt%)	59.46	49.75	55.70	56.82	56.72	47.93	50.60	51.73	52.62
TiO_2	0.97	1.40	1.24	1.28	1.28	1.16	1.08	1.09	1.11
Al_2O_3	15.80	18.01	16.84	17.62	17.36	15.73	15.89	16.07	16.43
Fe_2O_3(t)	2.55	7.61	7.15	3.06	3.08	8.06	7.55	7.71	7.66
MnO	0.11	0.13	0.12	0.13	0.16	0.13	0.13	0.13	0.13
MgO	5.94	4.50	3.49	3.55	3.01	7.45	6.32	6.43	6.35
CaO	6.50	9.96	6.94	7.13	7.78	9.34	8.58	8.73	8.74
Na_2O	3.10	3.34	3.99	4.02	4.14	3.06	3.27	3.31	3.39
K_2O	1.87	0.72	1.48	1.69	1.67	0.69	0.96	0.98	1.00
P_2O_5	0.22	0.17	0.32	0.54	0.53	0.24	0.22	0.22	0.23
LOI	1.63	3.77	3.61	2.33	2.58	5.66	4.02	3.95	3.64
Total	98.16	99.35	100.89	98.17	98.32	99.44	98.62	100.36	101.31
Rb (ppm)	29	7	35	24	31	22	22	29	19
Sr	442	380	553	730	724	468	431	440	453
Ba	610	245	658	739	682	273	368	385	387
Zr	251	121	177	203	194	123	138	142	143
Y	23	25	24	26	24	24	24	25	25
Zn	69	61	75	81	105	71	73	75	80
Ni	151	97	40	30	32	118	65	66	78
Cr	250	178	46	61	57	259	198	219	233
Cu	63	59	38	42	38	32	26	30	28
V	117	229	165	152	139	128	145	153	176
Sc	16	29	19	16	16	22	23	23	24

Table DR4 - Additional geochemical data for Miocene rocks of the central Wrangell volcanic field (continued)

Sample	DBT2-160	FDN-8	LIME-WP2A	LIME-WP2B	LIME-WP5B	LIME-WP6A	LIME-WP7A	LIME-WP7B
Type	Lava	Lava	Lava	Lava	Lava	Lava	Lava	Lava
Section	13	15	21	21	21	21	21	21
Number	28	35	51	52	53	54	55	56
Latitude (dd)	61.553233	61.688639	61.772267	61.772267	61.770200	61.777117	61.779317	61.779317
Longitude (dd)	142.315467	142.156750	141.803683	141.803683	141.817017	141.839283	141.830950	141.830950
SiO_2 (wt%)	52.28	52.66	51.97	52.23	54.94	52.66	55.46	55.85
TiO_2	1.30	1.03	0.96	0.98	1.24	1.31	1.12	1.12
Al_2O_3	17.40	14.83	15.06	15.22	18.21	16.49	16.98	16.98
Fe_2O_3(t)	3.00	7.74	2.92	2.92	3.01	3.04	2.92	2.88
MnO	0.15	0.13	0.15	0.14	0.12	0.14	0.13	0.13
MgO	6.19	9.58	10.43	10.00	4.62	6.65	6.27	6.24
CaO	9.96	7.51	9.14	9.07	6.90	9.98	7.60	7.38
Na_2O	3.54	3.28	2.66	2.97	4.29	3.34	3.67	3.65
K_2O	0.97	0.95	1.30	1.20	1.94	1.00	1.19	1.19
P_2O_5	0.27	0.25	0.27	0.28	0.67	0.29	0.28	0.28
LOI	2.91	0.90	2.82	2.45	0.92	2.31	0.89	0.85
Total	97.98	98.85	97.67	97.47	96.86	97.22	96.52	96.55
Rb (ppm)	16	34	22	14	36	7	15	18
Sr	584	529	547	540	940	566	466	467
Ba	350	380	482	448	622	309	381	388
Zr	123	141	92	99	202	119	141	142
Y	24	21	18	19	19	23	20	21
Zn	64	62	68	49	68	72	66	52
Ni	39	253	183	179	51	71	123	123
Cr	196	495	580	557	64	244	190	187
Cu	25	59	45	34	45	37	45	48
V	185	154	168	172	129	203	147	148
Sc	27	22	26	26	16	27	21	21

Section and Number correspond to the measured section location (Fig. 3) and samlping location within section (Fig. 5,6, DR1-DR4), respectively. All samples were crushed to powder using a steel jaw crusher and alumina-ceramic disc mill and shatterbox assemblies. Analytical data were acquired via Direct Current Argon Plasma Spectrometry (DCP) techniques as described in Katoh et al. (1999) and Brueseke and Hart (2008).