SUPPLEMENTAL FILE 3. PREVIOUSLY UNPUBLISHED CHEMICAL ANALYSES OF DULCE DIKES IN SOUTHERN COLORADO AND NORTHERN NEW MEXICO*

(E. Landis and W. Hail, written commun., circa 1972)

Sample N	Rock type	State	Location	SiO_2	TiO_2	Al_2O_3	Fe^{TOT}	MnO	MgO	CaO	Na_2O	K_2O	P_2O_5	$H2O^+$	$H2O^-$	CO_2	Reported Sum	Total LOI
Hail (1966)		(Segment D3)																
2	Mafic dike	CO	SW1/4 sec 28, T33N R1W	47.0	2.7	13.3	13.1	0.18	6.9	9.1	3.2	3.1	0.71	0.90	0.90	6.9	99.29	8.70
37	Mafic dike	CO	NE1/4 sec33, T33N R1W	54.4	1.8	13.6	8.3	0.15	5.7	10.0	2.6	2.8	0.52	2.4	0.80	7.6	99.79	10.80
38	Mafic dike	CO	SE1/4 sec30, T33N R1W	49.5	2.4	15.2	10.6	0.11	4.5	9.1	3.8	3.1	1.1	1.7	0.54	4.2	99.35	6.44
39	Mafic dike	CO	N1/2 sec36, T33N R1.5W	52.9	2.1	15.3	10.8	0.12	5.9	7.5	2.9	1.7	0.50	3.0	1.3	3.4	99.59	7.70
40	Mafic dike	CO	SE1/4 sec36, T33N R2W	53.0	2.1	14.9	9.4	0.08	5.1	9.5	3.6	0.67	0.76	3.1	0.66	6.6	99.11	10.36
41	Mafic dike	CO	SE1/4 sec35, T33N R2W (15L-44?)	54.1	2.1	15.1	9.4	0.06	5.9	5.2	4.1	2.2	0.94	1.9	2.0	0.80	99.11	4.70
42	Mafic sill	CO	NE1/4 sec36, T33N R2W	46.9	1.9	14.9	11.1	0.15	5.8	11.6	3.3	2.4	0.83	2.5	1.1	7.1	98.77	10.70
Landis (1966)		(Segment D4)																
L65-6	Dike	NM	Amargo Canyon (16L-19 area)	51.9	0.8	15.2	10.2	0.15	6.1	8.1	2.7	2.9	0.73	2.9	0.86	4.0	98.85	7.76
L65-107	Dike	NM	Lumberton W, Hwy 64 (15L-49, 50)#	49.1	1.8	16.0	8.7	0.18	6.5	9.9	5.4	0.65	0.91	2.9	0.50	7.8	99.25	11.20
L65-108	Dike	NM	W of Lumberton, Hwy 64 (15L-51)	53.2	1.7	13.2	8.9	0.13	9.3	6.9	2.9	2.7	0.55	1.7	1.6	1.1	99.50	4.40
L65-109	Dike	NM	Hwy 64, S of Dulce (16L-9)	46.7	1.4	10.9	9.9	0.21	14.4	11.5	1.2	2.8	0.56	3.5	2.0	0.05	99.55	5.55
L65-110	Dike	NM	Burns Canyn, E of John Mill Lake (16L-17?)	48.7	1.9	12.8	10.1	0.29	5.9	12.0	1.8	4.8	0.70	2.3	1.1	7.1	98.92	10.50
L65-111	Dike	NM	North edge, Dulce (15L-52)	52.4	1.6	13.0	9.1	0.11	7.7	8.3	2.6	3.3	0.75	1.3	2.0	0.42	98.83	3.72
L65-112	Sill	NM	South side, Rio Navajo(same sill as 16L-7?)	52.1	1.6	15.2	8.9	0.14	6.6	7.7	3.5	2.2	0.82	2.5	0.74	3.0	98.77	6.24
L65-113	Dike	NM	W(E?) ofr Saguro Canyon (16L-20??)	50.9	2.1	14.8	9.0	0.14	5.5	10.0	5.1	0.4	1.2	3.2	0.55	5.6	99.17	9.35
L65-5	Sill	NM	Archuleta Mesa, near base	58.7	0.9	17.8	6.3	0.13	2.7	5.2	4.5	2.7	0.40	1.3	0.76	0.06	99.27	2.12

* Analyses by U.S. Geological Survey "rapid-rock" analytical methods (Shapiro, 1967). Oxide compositions normalized to reported sum, volatile free

Sample numbers for same dike site, analyzed in present study (Supplemental File 1)