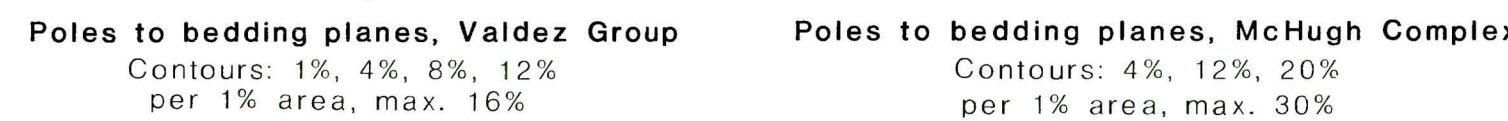


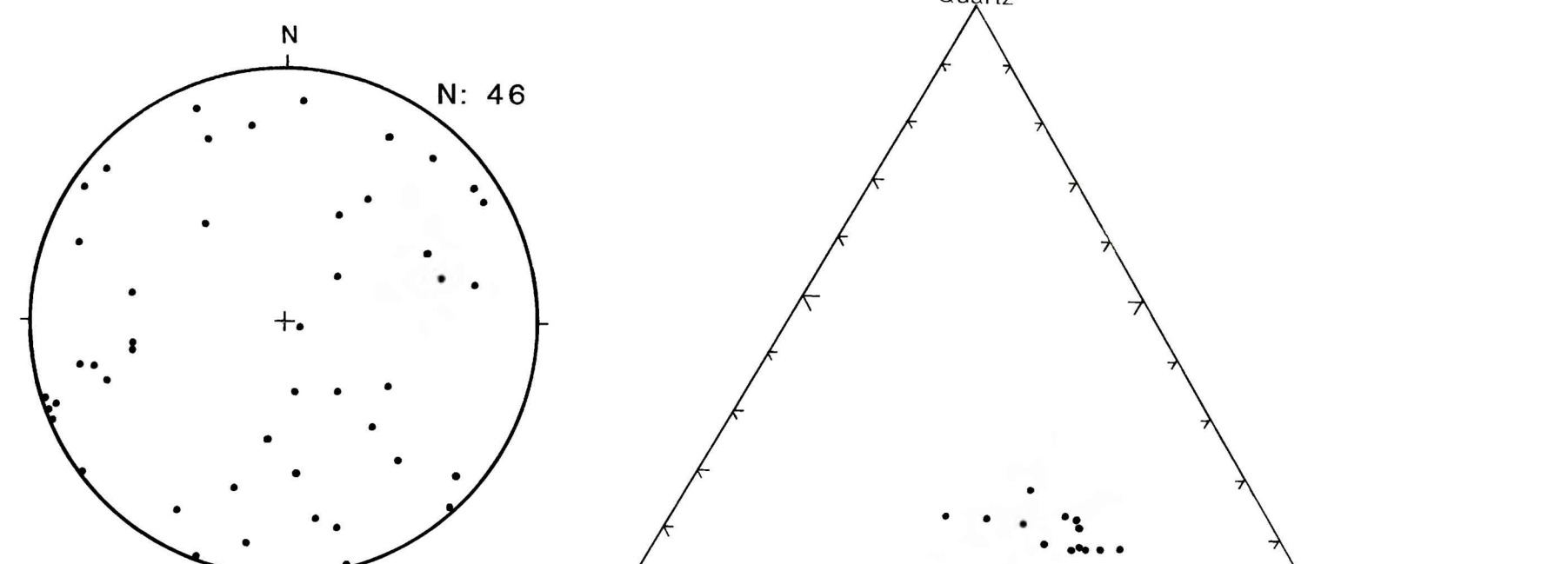
1988

SUMMARY OF GEOLOGY



Sr.	ROCK TYPE	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	LOI	tot
C4	Valdez greywacke	71.7	12.7	0.50	1.80	3.88	1.05	4.06	0.06	0.66	0.17	2.47	99
Y5	Valdez greywacke	70.8	13.0	0.48	1.59	3.25	1.49	5.08	0.06	0.66	0.15	2.54	99
Y7A	Valdez greywacke	72.6	11.5	0.91	1.59	3.29	0.94	4.97	0.06	0.69	0.17	2.70	100
Y7B	Valdez greywacke	69.6	14.9	0.23	1.65	3.59	1.76	5.59	0.05	0.69	0.14	2.70	100
Y26	Valdez greywacke	70.7	12.8	1.05	1.58	3.03	1.25	5.54	0.07	0.68	0.15	2.85	99
Y18	Valdez greywacke	72.5	15.5	1.27	1.42	3.27	1.61	3.85	0.07	0.74	0.15	1.85	100
Y14	Valdez grey, altered	61.1	19.01	0.38	2.18	1.60	3.54	7.69	0.10	0.95	0.21	3.70	99
Y50	Valdez grey, altered	69.2	16.1	1.78	2.70	2.24	1.68	5.61	0.17	0.66	0.16	1.85	100
Y51	Valdez grey, altered	69.6	12.0	0.67	1.74	1.16	0.81	0.75	0.66	0.16	0.16	1.16	99
Y52	Valdez argillite altered	71.0	14.0	0.59	1.55	3.04	0.58	4.47	0.08	0.53	0.11	1.93	100
Y51 - Valdez grey, alt. felsite		67.2	16.7	0.91	1.84	4.88	0.92	2.82	0.05	0.36	0.11	1.47	100
Y48	Valdez phyl. alt. E.R. fault	43.3	4.52	24.80	1.03	0.62	0.47	3.20	0.66	1.18	0.08	20.50	100
C8	McHugh greywacke	55.9	17.4	4.63	3.01	0.94	1.75	7.04	0.15	1.02	0.23	4.31	99
C11	McHugh greywacke	56.6	16.0	6.24	3.57	3.56	1.12	8.04	0.18	1.02	0.21	3.08	99
C35	McHugh argillite	60.0	15.5	5.70	2.81	3.34	1.78	6.77	0.13	1.72	0.12	4.08	99
C20	McHugh metacalcic	66.1	14.9	2.73	2.03	4.17	2.08	4.90	0.10	0.55	0.10	2.25	100
C21	McHugh metacalcic	63.2	15.1	6.16	2.27	2.85	1.60	5.42	0.12	0.62	0.13	3.00	100
Y36	McHugh metacalcic	50.1	16.7	5.07	3.55	5.69	1.90	7.40	0.14	0.87	0.23	5.18	100
Y35	McHugh metacalcic	60.1	17.5	2.95	2.68	5.29	1.89	5.61	0.12	0.66	0.18	3.00	100
Y37	Felsite dike	67.84	16.1	1.67	3.75	1.68	1.35	2.05	0.18	0.51	0.13	1.51	99
Y39	Felsite dike	69.0	15.5	2.71	0.95	1.12	0.74	2.74	0.09	0.31	0.10	1.93	99
Y9	Felsite dike (center)	70.0	16.1	5.66	0.95	5.59	0.64	1.75	0.04	0.30	0.10	1.60	99
Y10	Felsite dike (base)	59.1	17.7	2.51	1.73	5.56	0.99	2.72	0.05	0.36	0.09	2.31	100
Y12	Felsite dike	67.8	16.0	3.48	1.44	4.60	0.84	2.72	0.05	0.31	0.11	1.93	99

Clast composition, Valdez graywack



This map was prepared under a grant from the U.S. Geological Survey and has not been reviewed for conformity with the USGS editorial standards and stratigraphic nomenclature. Opinions and conclusions expressed herein do not necessarily represent those of the USGS.