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Map and table showing radiometric ages of rocks in
the Aleutian Islands and Alaska Peninsula

by
Frederic H. Wilson

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with U.S. Geological Survey
editorial standards and
Stratigraphic nomenclature.

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This report is a compilation of radiometric ages available through January 1981 from published, unpublished, and thesis material on the Aleutian Islands and the Alaska Peninsula. The data base for the report is described in Shew and Wilson, 1981; similar reports south-central and southeastern Alaska (Dadisman, 1980; Wilson et al, 1979). The locations of listed samples are plotted, where possible, on Plate 1, a 1:1,000,000 base from the National Atlas.

Table 1 contains sample information listed alphabetically by quadrangle. Data for each sample are listed on three lines for each age determination. The first line of each listing shows the quadrangle, latitude, longitude, sample number, rock type, dating method, whether mineral or whole-rock dated, and calculated age in m.y. The second line lists comments pertinent to the age determination or sample. The third line lists all known literature references to the age determination.

Table 2 is an explantation of abbreviations used in table 1 and on the map.

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Table 1. Radiometric ages of the
Aleutian Islands and Alaska Peninsula

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Adak	51 41.2N	176 41.3E	HB6-120D	DI	K	BI	34.59
Citron et al, 1980							
Adak	51 41.2N	176 41.3E	HB6-120D	DI	K	HO	31.80
Citron et al, 1980							
Adak	51 41.4N	176 38.0E	I8-1	DI	K	BI	32.19
Citron et al, 1980							
Adak	51 41.4N	176 38.0E	I8-1	DI	K	HO	35.85
Citron et al, 1980							
Adak	51 42.6N	176 37.0E	HB7-23B	GDI	K	BI	33.43
Citron et al, 1980							
Adak	51 42.9N	176 38.7E	HB6-10	GDI	K	BI	31.51
Citron et al, 1980							
Adak	51 43.1N	176 37.5E	HB5-192	DI	K	BI	32.71
Citron et al, 1980							
Adak	51 43.5N	176 47.8E	BEB-1	GDI	K	BI	32.99
Citron et al, 1980							
Adak	51 49.1N	176 26.5E	K7-32A	GDI	K	BI	13.9
Citron et al, 1980							
Adak	51 49.1N	176 26.5E	K7-32A	GDI	K	HO	12.39
Citron et al, 1980							
Adak	51 49.8N	176 24.0W	KAG1	GDI	K	BI	13.2
Kagalaska Island Marlow et al, 1973; Citron et al, 1980							
Adak	51 49.8N	176 24.0W	KAG1	GDI	K	HO	13.7
Kagalaska Island Marlow et al, 1973; Citron et al, 1980							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Adak North Adak Island Marlow et al, 1973	51 51.6N	176 37.8W	ADAK14	AND	K	HO	4.9
Adak Kanaga Island Marlow et al, 1973; Bingham and Stone, 1972	51 54.0N	177 03.0W	RDH	AND	K	WR	.0
Adak Kanaga Island Marlow et al, 1973; Bingham and Stone, 1972	51 54.0N	177 06.0W	ADAK12	AND	K	WR	.13
Adak Kanaga Island Marlow et al, 1973; Bingham and Stone, 1972	51 54.0N	177 06.0W	ADAK12	AND	K	WR	.24
Adak Bingham and Stone, 1972	51 54.0N	177 06.0W	KAN	BAS	K	WR	.18
Adak North Adak Island Marlow et al, 1973	51 54.6N	176 37.8W	ADAK11	ZENO	K	HO	2.4
Adak North Adak Island Marlow et al, 1973	51 54.6N	176 37.8W	ADAK15	AND	K	HO	5.25
Adak North Adak Island Cameron and Stone, 1970	51 55.0N	176 34.0W	ADAK4	AND	K	WR	5.
Adak North Adak Island Cameron and Stone, 1970	51 55.0N	176 34.0W	ADAK5	AND	K	WR	5.
Adak North Adak Island Cameron and Stone, 1970	51 55.0N	176 34.0W	ADAK6	AND	K	WR	5.
Adak North Adak Island Cameron and Stone, 1970	51 55.0N	176 34.0W	ADAK7	AND	K	WR	5.
Adak andesite sill Hein and McLean, 1979	51 55.8N	176 37.6W	802-802	AND	K	PL	14.4

Table 1. Continued								
Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)	
Adak North Adak Island Marlow et al, 1973; Cameron and Stone, 1970	51 55.8N	176 37.6W	ADAK10	AND	K	WR	5.1	
Adak North Adak Island Cameron and Stone, 1970	51 57.5N	176 34.0W	ADAK2	BAS	K	WR	.00	
Adak North Adak Island Marlow et al, 1973; Cameron and Stone, 1970	51 58.2N	176 34.2W	ADAK1	BAS	K	WR	.0	
Adak North Adak Island Marlow et al, 1973	51 58.2N	176 34.2W	ADAK1 REPT	BAS	K	WR	.0	
Atka Atka Island Marlow et al, 1973; Bingham and Stone, 1972	52 22.8N	174 09.6W	ATKA1	AND	K	WR	.19	
Atka Atka Island Marlow et al, 1973; Bingham and Stone, 1972	52 22.8N	174 09.6W	ATKA2	AND	K	WR	.24	
Attu Porphyritic dike, McDonald Cove, Agattu Island Scholl et al, 1976	52 27.6N	173 41.4E	50D4	DAC	K	BI	12.2	
Attu Porphyritic dike, McDonald Cove, Agattu Island Scholl et al, 1976	52 27.6N	173 41.4E	50D4	DAC	K	HO	15.2	
Attu Porphyritic dike, McDonald Cove, Agattu Island Scholl et al, 1976	52 27.6N	173 41.4E	50D4	DAC	K	PL	10.7	
Attu Porphyritic dike, McDonald Cove, Agattu Island Scholl et al, 1976	52 27.6N	173 41.4E	50D4	DAC	K	PL	13.2	
Attu Agattu Island DeLong and McDowell, 1975	52 28.2N	173 41.3E	50D4	DAC	K	WR	14.2	
Attu Shemya Island Marlow et al, 1973; Cameron and Stone, 1970	52 43.2N	174 06.6E	ATTU6	DAC	K	AM	15.0	

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Attu Shemya Island Marlow et al, 1973; Cameron and Stone, 1970	52 43.8N	174 07.2E	ATTU3	BAS	K	WR	12.3
Attu Attu Island DeLong and McDowell, 1975	52 48.1N	173 06.5E	49P53	BAS	K	WR	31.9
Attu Attu Island DeLong and McDowell, 1975	52 48.2N	173 09.0E	50P295	Q DI	K	WR	26.5
Attu Attu Island DeLong and McDowell, 1975	52 48.4N	172 56.5E	49G6	AMPH	K	WR	29.9
Attu Attu Island DeLong and McDowell, 1975	52 49.3N	173 10.9E	50P293	BAS	K	WR	28.9
Attu Massacre Bay Formation, Lookout Hill, Attu Island; location in error in source. Scholl et al, 1976	52 49.8N	173 07.0E	50P286	AND	K	HO	8.35
Attu Attu Island DeLong and McDowell, 1975	52 49.8N	173 07.0E	50P286	AND	K	WR	7.4
Attu Attu Island DeLong and McDowell, 1975	52 50.0N	173 21.9E	49W36	DAC	K	WR	5.9
Chignik Milky River Formation, mean of 2 determinations Wilson et al, 1981	56 00.2N	160 02.3W	78AYb90	AND	K	WR	3.53
Chignik Wilson, 1980; Wilson et al, 1981	56 01.1N	158 30.3W	78AWs95	Q DI	K	BI	7.86
Chignik Wilson, 1980; Wilson et al, 1981	56 01.1N	158 30.3W	78AWs95	Q DI	K	HO	10.08
Chignik mean of 2 determinations Wilson et al, 1981	56 01.4N	159 20.2W	78AWs111	LBAS	K	WR	39.1

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Chignik	56 01.7N	159 11.2W	77Aws112b	LBAS	K	WR	.48
Mean of 3 determinations Wilson, 1980; Wilson et al, 1981							
Chignik	56 04.0N	158 29.5W	77Aws100	GDI	K	BI	7.78
Mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 04.0N	158 29.5W	77Aws100	GDI	K	HO	9.86
Mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 09.7N	158 24.0W	77Aws179	GDI	K	BI	7.65
Mildly hydrothermally altered granodiorite; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 09.7N	158 24.0W	77Aws180	PEG	K	BI	7.37
Mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 09.7N	158 24.0W	77Aws96B	PEG	K	KS	6.53
Mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 11.7N	158 19.0W	77Aws122	DAC	K	HO	22.37
Minimum age, impure separate with incl. of plagioclase, mean of 2 determinations Wilson, 1980; Wilson et al, 1981							
Chignik	56 12.7N	158 19.9W	78Aws98	LBAS	K	WR	21.18
mean of 2 determinations Wilson, 1980; Wilson et al, 1981							
Chignik	56 13.2N	158 23.3W	77Aws125	TON	K	BI	6.03
Mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 13.2N	158 23.3W	77Aws125	TON	K	HO	6.33
Corrected age is mean of 2 determinations Wilson, 1980; Wilson et al, 1981							
Chignik	56 13.5N	158 28.5W	77Ams001	AND	K	HO	27.1
Propylitically altered dike; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981							
Chignik	56 13.6N	158 28.9W	77Aws137	Q DI	K	BI	21.3
Chloritized, altered quartz diorite-small pluton intruding volcanic pile Wilson, 1978; 1980; Wilson et al, 1981							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock Meth.	Min.	Age(my)
Chignik	56 13.8N	158 29.0W	77AWS183	OTHER K WR	21.2	
Quartz-sercite altered volcanic rock; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981						
Chignik	56 17.1N	158 35.2W	78AWS134	DAC K WR	26.23	
mean of 2 determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 18.0N	158 22.8W	77AWS176	AND K HO	16.5	
Minimum age, mean of 2 determinations determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 18.5N	158 24.5W	77AWS190b	AND K HO	8.97	
mean of 2 determinations Wilson et al, 1981						
Chignik	56 20.0N	158 30.0W	77AWS186	CG K BI	89.8	
Cobble from Chignik Formation, minimum age, mean of 2 determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 29.5N	158 48.4W	78AWS125	DAC K HO	1.88	
Corrected age is mean of 2 determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 30.0N	158 43.4W	78ADt187	DAC K WR	1.94	
mean of 2 determinations Wilson et al, 1981						
Chignik	56 30.1N	158 40.5W	78AYb57	DAC K PL	1.80	
mean of 2 determinations Wilson et al, 1981						
Chignik	56 30.4N	158 23.5W	77AWS235	OTHER K CH	3.5	
Hydrothermally altered arkose of Naknek Formation, mean of 2 determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 30.5N	158 24.1W	77AWS243	OTHER K CH	3.92	
Hydrothermally altered Naknek Formation Wilson, 1980; Wilson et al, 1981						
Chignik	56 30.5N	158 24.1W	77AWS243	OTHER K SE	3.83	
Hydrothermally altered Naknek Formation, corrected age, mean of 2 determinations Wilson, 1980; Wilson et al, 1981						
Chignik	56 30.5N	158 24.1W	77AWS243	OTHER K WR	3.72	
Hydrothermally altered Naknek Formation Wilson, 1980; Wilson et al, 1981						

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Chignik mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 30.6N	158 24.0W	77AWS215	DAC	K	HO	2.15
Chignik mean of 2 determinations Wilson et al, 1981	56 30.7N	158 39.9W	78AYb58	AND	K	PL	1.72
Chignik Hydrothermally altered dacite; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 31.0N	158 23.5W	77AWS152	DAC	K	BI	3.65
Chignik Altered dacite?; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 31.0N	158 24.0W	77AWS251	OTHER	K	BI	3.67
Chignik Hydrothermally altered volcanic rock, mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 31.0N	158 42.0W	77ACx4	OTHER	K	WR	1.38
Chignik Hydrothermal mineral; age recalculated with 1976 constants Armstrong et al, 1976; Wilson, 1980	56 32. N	158 23. W	Chignik1	OTHER	K	SE	3.4
Chignik Gulf 1 Port Heiden well, core 1 11,832-11858', approximate location Brockway et al, 1975; Wilson 1980	56 58.0N	158 40.6W	Chignik2	UNID	K	UN	42.
Chignik Gulf 1 Port Heiden well, 14,000', approximate location Brockway et al, 1975; Wilson, 1980	56 58.0N	158 40.6W	Chignik3	UNID	K	UN	36.
False Pass Approximate location, Sanak Island; age recalculated with 1976 constants Kienle and Turner, 1976; Wilson, 1980	54 29.0N	162 38.4W	75089	GDI	K	BI	62.0
False Pass Sanak Pluton; age recalculated with 1976 constants; addl ref McLean et al, 1978 Berry et al, 1976; Kienle and Turner, 1976; Wilson, 1980; Moore, 1973, 1974a	54 29.0N	162 38.4W	S-70	GDI	K	BI	61.4
Gareloi Island Amatignak Island DeLong et al, 1978	51 14.6N	179 07.6W	A-A20	DIA	K	WR	29.0
Gareloi Island Amatignak Is. DeLong et al, 1978	51 17.8N	179 07.2W	A-A31	BAS	K	WR	23.7

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Gareloi Island Ulak Island DeLong et al, 1978	51 23.0N	178 59.8W	A-U22	BAS	K	WR	42.3
Gareloi Island Metadiorite: Ulak Is. DeLong et al, 1978	51 23.4N	178 59.0W	A-U23	DI	K	WR	33.1
Kiska Kiska Island DeLong et al, 1978	51 55.0N	177 22.0E	A-K14	BAS	K	WR	29.0
Kiska Kiska Island, approximate location von Huene et al, 1971; Marlow et al, 1973; DeLong et al, 1978	52 06.2N	177 33.0E	KISKA1	AND	K	WR	5.5
Offshore Hornblende dacite dredged at 750m from west of Buldir Island Scholl et al, 1973	52 36.0N	174 48.0E	B-29-1	DAC	K	HO	1.4
Offshore Dredge station Marlow et al, 1973; Scholl et al, 1976	52 36.6N	174 48.6E	B-29-1	DAC	K	HO	.61
Offshore Dredge station Marlow et al, 1973; Scholl et al, 1976	52 36.6N	174 48.6E	B-29-1	DAC	K	HO	2.10
Offshore Augite basalt dredged at 1600m Scholl et al, 1973	55 42.0N	165 12.0E	OFFSH1	BAS	K	WR	4.6
Offshore Dredge site south of St. George Is., approximate location Simpson et al, 1979	56 23.0N	169 37.5W	DR5-34	BAS	K	WR	.77
Offshore Dredge site south of St. George Is., approximate location Simpson et al, 1979	56 23.0N	169 37.5W	DR5-8	BAS	K	WR	.84
Port Moller Shumagin batholith; age recalculated with 1976 constants Burk, 1965; Kienle and Turner, 1976; Wilson, 1980	55 03.2N	160 02.5W	405M	DI	K	MU	57.4
Port Moller Approx. location Nagai Is. Kienle and Turner, 1976; Wilson, 1980	55 05.0N	160 00.0W	75092	GDI	K	BI	60.7

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Port Moller Shumagin batholith; age recalculated with 1976 constants Burk, 1965; Kienle and Turner, 1976; Wilson, 1980	55 06.8N	160 01.7W	406B	DI	K	BI	58.4
Port Moller Shumagin batholith; age recalculated with 1976 constants Burk, 1965; Kienle and Turner, 1976; Wilson, 1980	55 06.8N	160 01.7W	406M	DI	K	MU	65.6
Port Moller Secondary mineral Armstrong et al, 1976	55 37. N	160 41. W	Moller-1	Q	DI	K BI	6.2
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 34.0N	169 29.0W	P66	BAS	K	WR	2.19
Pribilof Islands Silberman and Hopkins, 1976; Hopkins and Silberman, 1978	56 34.5N	169 30.0W	G199	Q	DI	K PL	55.0
Pribilof Islands Silberman and Hopkins, 1976; Hopkins and Silberman, 1978	56 34.5N	169 30.0W	G199	Q	DI	K SE	49.5
Pribilof Islands Silberman and Hopkins, 1976; Hopkins and Silberman, 1978	56 34.5N	169 30.0W	G200	Q	DI	K AW	52.7
Pribilof Islands Silberman and Hopkins, 1976; Hopkins and Silberman, 1978	56 34.5N	169 30.0W	G200	Q	DI	K CH	57.2
Pribilof Islands Silberman and Hopkins, 1976; Hopkins and Silberman, 1978	56 34.5N	169 30.0W	ISOCHRON	Q	DI	K IC	51.7
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 35.0N	169 34.0W	P67	BAS	K	WR	2.10
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 36.0N	169 27.0W	P12	BAS	K	WR	2.12
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 36.0N	169 27.0W	P13	BAS	K	WR	2.15

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 35.5N	169 28.0W	P10	BAS	K	WR	2.13
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 35.5N	169 28.0W	P11	BAS	K	WR	1.80
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 35.5N	169 28.0W	P11	BAS	K	WR	1.83
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 36.0N	169 28.0W	P15	BAS	K	WR	2.14
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 36.0N	169 28.0W	P19	BAS	K	WR	1.92
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 36.0N	169 28.0W	P20	BAS	K	WR	1.81
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 36.0N	169 30.0W	P21	BAS	K	WR	1.64
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 37.0N	169 33.0W	P2	BAS	K	WR	2.00
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 37.0N	169 33.0W	P3	BAS	K	WR	1.99
Pribilof Islands St. George Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	56 37.0N	169 33.0W	P3	BAS	K	WR	2.01
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966	56 37.0N	169 34.0W	P5	BAS	K	WR	1.89
Pribilof Islands St. George Island Cox et al, 1966; Cox, 1966; Mankinen and Dalrymple, 1979	56 37.0N	169 34.0W	P5	BAS	K	WR	1.91

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Pribilof Islands St. Paul Island Cox et al, 1966; Cox, 1966	57 08.0N	170 17.0W	P52	BAS	K	WR	.1
Pribilof Islands St. Paul Island Cox and Dalrymple, 1967; Hoare et al, 1968; Mankinen and Dalrymple, 1979	57 12.0N	170 25.0W	P38	BAS	K	WR	.33
Pribilof Islands St. Paul Island Cox et al, 1966; Cox, 1966	57 12.0N	170 25.0W	P38	BAS	K	WR	.36
Pribilof Islands St. Paul Island Cox et al, 1966; Cox, 1966	57 13.0N	170 24.0W	P35	BAS	K	WR	.10
Pribilof Islands St. Paul Island Cox et al, 1966; Cox, 1966; Mankinen and Dalrymple, 1979	57 13.0N	170 24.0W	P35	BAS	K	WR	.13
Pribilof Islands St. Paul Island Cox et al, 1966; Cox, 1966	57 13.0N	170 24.0W	P35	BAS	K	WR	.20
Rat Islands Dike Carr et al, 1970	51 21.9N	179 20.7E	WJCS7A66	AND	K	HO	2.7
Rat Islands Steller's sea cow, South Bight, approximate location Whitmore and Gard, 1977	51 22.6N	179 22.5E	Rat1	OTHER	P	SH	.13
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 22.8N	179 25.2E	69AMC11	GDI	K	BI	15.8
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 23.4N	179 12.6E	WJC1-67	BAS	K	WR	10.2
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 25.6N	179 13.8E	69AMC12	AND	K	WR	8.9
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 28.8N	179 02.4E	69AMC17	AND	K	WR	13.2

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 31.2N	179 01.8E	69AMC2	AND	K	WR	14.1
Rat Islands Amchitka Island Marlow et al, 1973; Carr et al, 1970	51 36.0N	178 48.0E	69AMC15	AND	K	WR	12.4
Simeonof Is. Light-gray, medium grained biotite granodiorite, approximate location Moore, 1974a; Marvin and Dobson, 1979; Wilson, 1980	54 55.0N	159 14.4W	62AGz7	GDI	K	BI	59.9
Stepovak Bay Approximate location, Big Koniugi Island; age recalculated with 1976 constants Kienle and Turner, 1976; Wilson, 1980	55 08.9N	159 32.0W	75088	GDI	K	BI	60.2
Stepovak Bay mean of 2 determinations Wilson et al, 1981	55 57.0N	159 21.0W	77AWs102	LBAS	K	WR	40.3
Sutwik Is. Approximate location, Chowiet Island; age recalculated with 1976 constants Kienle and Turner, 1976; Wilson, 1980	56 02.7N	156 41.3W	75086	GDI	K	BI	59.3
Sutwik Is. Hornblende plagioclase porphyry, unaltered sample; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 19.8N	157 39.6W	77AWs134	DAC	K	HO	10.10
Sutwik Is. Corrected age which is mean of 2 determinations Wilson et al, 1981; Wilson 1980	56 30.4N	157 43.1W	78AWs42	AND	K	HO	32.8
Sutwik Is. Hydrothermally altered volcanic rock, corrected age is mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 30.4N	157 43.2W	78AWs43	OTHER	K	WR	33.9
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 30.4N	157 49.4W	78AWs58	DAC	K	WR	34.44
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 31.6N	157 11.7W	78AWs32	AND	K	WR	30.71
Sutwik Is. Hydrothermally altered biotite dacite; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 32.5N	157 20.0W	77AWs74	DAC	K	BI	34.50

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 33.0N	156 59.6W	78AWe31	AND	K	WR	30.33
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 36.1N	157 58.9W	78AWe61	DAC	K	WR	34.39
Sutwik Is. mean of 2 determinations Wilson et al, 1981	56 37.5N	157 34.5W	78AWe18	LBAS	K	WR	37.3
Sutwik Is. Propylitically altered andesite porphyry; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 38.2N	157 27.9W	77AWe46	AND	K	HO	39.1
Sutwik Is. Hornblende leuco-basalt porphyry; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 38.2N	157 28.9W	77AWe40	LBAS	K	HO	35.0
Sutwik Is. Hornblende andesite porphyry from altered zone; mean of 2 determinations Wilson, 1978; 1980; Wilson et al, 1981	56 38.3N	157 35.5W	77AWe30	AND	K	HO	36.3
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 38.7N	157 25.0W	78AWe17	LBAS	K	HO	34.2
Sutwik Is. mean of 2 determinations Wilson et al, 1981	56 43.0N	157 49.5W	78AWe20	DAC	K	WR	36.6
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 47.3N	157 11.8W	78AWe24	AND	K	HO	33.5
Sutwik Is. Mafic inclusion (autolith) in dacite, mean of 2 determinations Wilson et al, 1981	56 47.9N	157 13.7W	78AWe27	OTHER	K	HO	36.7
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 49.1N	157 56.3W	78AWe35	DAC	K	HO	34.47
Sutwik Is. mean of 2 determinations Wilson et al, 1981	56 51.2N	156 53.8W	77ADt19	AND	K	PL	15.33

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)	
Sutwik Is. Yantarni Volcano, mean of 2 determinations Wilson et al, 1981	56 55.0N	157 14.0W	78ADt34	AND	K	WR	.62	
Sutwik Is. mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 56.5N	157 57.0W	78AWs5	AND	K	PL	48.1	
Sutwik Is. Minimum age due to proximity to Quaternary volcano, mean of 2 determinations Wilson, 1980; Wilson et al, 1981	56 59.0N	157 07.5W	78AWs11	DAC	K	HO	19.25	
Trinity Is. South part Kodiak Island Marvin and Dobson, 1979	56 55.0N	154 13.0W	62AMe120	Q	DI	K	BI	60.8
Trinity Is. South part Kodiak Island Marvin and Dobson, 1979	56 55.0N	154 13.0W	62AMe120	Q	DI	K	MU	61.9
Ugashik mean of 2 determinations Wilson, 1980; Wilson et al, 1981	57 00.3N	156 40.4W	77AWs9	AND	K	WR	9.25	
Ugashik Great Basins 1 Ugashik well, core 1, 5364-5391' Brockway et al, 1975; Wilson, 1980	57 26.0N	157 44.3W	Ugashik1	UNID	K	UN	33.	
Ugashik Great Basins 1 Ugashik well, core 2, 8083-8095' Brockway et al, 1975; Wilson, 1980	57 26.0N	157 44.3W	Ugashik2	UNID	K	UN	39.	
Umnak Umnak Island Marlow et al, 1973; Bingham and Stone, 1972	53 28.2N	168 04.8W	CCR	BAS	K	WR	.0	
Umnak Umnak Island Marlow et al, 1973; Bingham and Stone, 1972	53 28.2N	168 04.8W	UMNAK1	BAS	K	WR	.13	
Umnak Umnak Island Marlow et al, 1973; Bingham and Stone, 1972	53 31.8N	168 06.0W	ASH1	BAS	K	WR	1.7	
Umnak Umnak Island Marlow et al, 1973; Bingham and Stone, 1972	53 31.8N	168 06.0W	ASH2	BAS	K	WR	2.1	

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Unalaska	53 37.8N	166 55.8W	54SN197	GDI	K	BI	3.4
Unalaska Island Marlow et al, 1973							
Unalaska	53 37.8N	166 55.8W	54SN197	GDI	K	HO	11.1
Unalaska Island DeLong and McDowell, 1975; Marlow et al, 1973; Lankford and Hill, 1979							
Unalaska	53 48.0N	166 30.0W	UNA1	GDI	K	UN	13.
Unidentified rock type, mineral, and location, Captains Bay Pluton Lankford and Hill, 1979							

TABLE 2 - ABBREVIATIONS

Rock Type

AMPH	Amphibolite	LBAS	Leuco-basalt
AND	Andesite	OTHER	Other
BAS	Basalt	PEG	Pegmatite
DAC	Dacite	Q DI	Quartz diorite
DI	Diorite	TON	Tonalite
DIA	Diabase	UNID	Unidentified
GDI	Granodiorite	ZENO	Zenolith
GR	Granite		

Mineral Phase

AM	Amphibole	MU	Muscovite
AW	Anorthoclase	PL	Plagioclase
BI	Biotite	SE	Sericite
CH	Chlorite	SH	Shell material
HO	Hornblende	WR	Whole rock
IC	Isochron	UN	Unknown
KS	Potassium feldspar		

Dating Method

K	Potassium-argon	P	Pb-U, Pb-Th, etc.
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