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GEOLOGICAL SURVEY

RADIOMETRIC AGES OF ROCKS IN SOUTH-CENTRAL ALASKA AND WESTERN YUKON TERRITORY

by

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Open-File Report

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CONTENTS

Radiometric ages of rocks in south-central Alaska and western Yukon Territory

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This report is a compilation of published, unpublished, and thesis material on radiometric ages from south-central Alaska and western Yukon Territory. Only data availible prior to June 1979 was utilized. The locations of these samples are plotted on a National Atlas map at 1:1,000,000(plate 1).

The information is organized alphabetically by 1:250,000-scale quadrangle in table 1. Data for each age obtained on a given sample is displayed on three lines. The first line consists of information concerning quadrangle, latitude and longitude(to within a tenth of a minute), rock type, dating method, mineral dated, and age. The second line is reserved for additional pertinent information such as geographic location, descriptive rock names, and limitations imposed on the age by the original author. The third line consists of all known references for each sample. Table 2 is an explanation of abbreviations used in table 1.

The following information is a portion of the radiometric age file covering the entire state of Alaska that resides in the U.S. Geological Survey Multics computer system.

I would like to extend my appreciation to Bruce R.

Johnson and Richard Koch for their help in using the versatec plotter, to Paige L. Herzon who helped with the drafting, and especially to Kathleen M. Johnson and Frederic H. Wilson who helped in all facets of this report.

Table 1. Radiometric ages of rocks in south-central Alaska and western Yukon Territory

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Anchorage	61 00.2N	149 39.6W	ANCH-2	SS	K	HO	146.
Granitic cobble from comglomeratic sandstone Magoon et al, 1976; Clark, 1972; Clark et al, 1976							
Anchorage	61 03.9N	149 47.8W	70ACs423	DAC	K	HO	33.9
Dike or sill Berry et al, 1976; MacKevett, 1976; Clark et al, 1976							
Anchorage	61 27.8N	149 21.6W	ANCH-1	Q DI	K	BI	161.
Magoon et al, 1976; Clark, 1972							
Anchorage	61 29.3N	149 13.9W	JD-1	GSCH	K	AC	173.0
Actinolite epidote schist greenschist; also sample number 76181 Carden and Decker, 1977							
Anchorage	61 43.0N	149 32.5W	73ACy85	SCH	K	MU	59.0
Muscovite schist Csejtey et al, 1978							
Anchorage	61 43.8N	149 26.1W	73ACy27	SCH	K	MU	65.9
Muscovite schist Csejtey et al, 1978							
Anchorage	61 44.0N	149 23.6W	74ASj100a	SERP	K	AC	91.0
Csejtey et al, 1978							
Anchorage	61 44.5N	149 25.5W	73ACy11a	SCH	K	MU	

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Anchorage	61 45.0N	149 25.1W	73ACy17	SERP	K	AC	88.9
Csewtey et al, 1978							
Anchorage	61 46.2N	149 19.1W	W077	SCH	K	CH	56.0
Muscovite chlorite, Hatcher Pass Silberman, M. L., 1978, writ. comm.							
Anchorage	61 46.2N	149 19.1W	W077	SCH	K	MU	57.1
Hatcher Pass Silberman, M. L., 1978, writ. comm.							
Anchorage	61 46.2N	149 19.1W	W077A	GR	K	BI	58.1
Chloritized biotite, Hatcher Pass Silberman, M. L., 1978, writ. comm.							
Anchorage	61 46.2N	149 19.1W	W077A	GR	K	HO	70.1
Hatcher Pass Silberman, M. L., 1978, writ. comm.							
Anchorage	61 46.3N	149 10.3W	76ACy19	OTHER	K	BI	67.5
Metamorphosed graywacke Csewtey et al, 1978							
Anchorage	61 46.9N	149 24.1W	W32W	UNID	K	MU	66.3
Lucky Shot Mine, gold bearing vein Silberman et al, 1978, writ. comm.							
Anchorage	61 47.1N	149 18.5W	WKW	GR	K	BI	78.4
Kelley Willow Prospect Silberman, M. L., 1978, writ. comm.							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Anchorage	61 47.2N	149 13.1W	66AGzW4	TON	K	BI	72.0
Csejtey et al, 1978							
Anchorage	61 47.2N	149 13.1W	66AGzW4	TON	K	HO	74.4
Csejtey et al, 1978							
Anchorage	61 47.5N	149 19.5W	W4A	GR	K	MU	56.6
Altered granite, Bullion Mountain Silberman, M. L., 1978, writ. comm.							
Anchorage	61 48.0N	149 16.1W	W44	LAMP	K	HO	66.2
East of Gold Cord Mine Silberman, M. L., 1978, writ. comm.							
Anchorage	61 48.8N	149 12.8W	66AGzW2	TON	K	BI	69.0
Csejtey et al, 1978							
Anchorage	61 48.8N	149 12.8W	66AGzW2	TON	K	HO	73.3
Csejtey et al, 1978							
Anchorage	61 49.1N	149 17.5W	W41A	PEG	K	MU	66.0
Holland Prospect, copper sulphide bearing pegmatite Silberman et al, 1978, writ. comm.							
Anchorage	61 49.6N	148 53.8W	74ACy151	TROND	K	MU	134.
Csejtey et al, 1978							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Anchorage	61 49.6N	149 14.5W	60AGz40	TON	K	HO	73.1
Csejtey et al, 1978							
Anchorage	61 56.5N	148 59.6W	73ACy97	Q DI	K	BI	67.4
Csejtey et al, 1978							
Anchorage	61 56.5N	148 59.6W	73ACy97	Q DI	K	HO	71.8
Csejtey et al, 1978							
Anchorage	61 56.8N	148 41.1W	74ACy146	TROND	K	MU	129.
Csejtey et al, 1978							
Anchorage	61 59.3N	149 25.0W	75ACy135	GDI	K	BI	65.0
Csejtey et al, 1978							
Anchorage	61 59.3N	149 25.0W	75ACy135	GDI	K	MU	67.2
Csejtey et al, 1978							
Anchorage	61 59.5N	148 26.3W	74ACy149	GDI	K	BI	168.
Csejtey et al, 1978							
Big Delta Pyroxene diorite Wilson, 1976	64 17.1N	145 21.1W	75AFr2181	DI	K	BI	87.2

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Big Delta Garnet amphibolite Wilson, 1976	64 17.9N	144 38.3W	75AFr2100	AMPH	K	AM	184.
Big Delta Birch Lake Wasserburg et al, 1963	64 18.8N	146 39.4W	BB5	GR	K	MI	134.
Big Delta Hornblende granodiorite Wilson, 1976	64 19.0N	146 33.1W	75AFr2184	GDI	K	HO	85.7
Big Delta Hornblende granodiorite Wilson, 1976	64 19.0N	146 33.1w	75AFr2184	GDI	K	BI	87.1
Big Delta Pyroxene diorite Wilson, 1976	64 24.4N	146 58.2W	75AFr2182	DI	K	BI	89.0
Big Delta Pyroxene quartz diorite Wilson, 1976	64 26.4N	144 50.9W	75AFr2174	Q DI	K	BI	89.8
Big Delta Eielson Pluton Forbes and Weber, 1975	64 40.0N	145 45.0W	BIG D1	GR	K	BI	67.8
Big Delta Porcupine Creek Wilson, 1976	64 40.8N	144 45.8W	75AFr2175	GDI	K	BI	96.5

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Big Delta Porcupine Creek Wilson, 1976	64 40.8N	144 45.8W	75AFr2175	GDI	K	HO	98.9
Big Delta Depth 2177m; biotite hornblende schist Forbes and Weber, 1975	64 46.0N	146 41.0N	EDT2177	SCH	K	HO	140.0
Big Delta Depth 1873m USGS, 1974	64 46.0N	146 41.0W	EDT1873	SCH	F	AP	56.0
Big Delta Depth 1873m USGS, 1974	64 46.0N	146 41.0W	EDT1873	SCH	K	BI	84.9
Big Delta Depth 2977m; Diopside-bearing actinolite-carbonate mica schist Forbes and Weber, 1975	64 46.0N	146 41.0W	EDT2977	SCH	K	BI	57.3
Big Delta Depth 2979m USGS, 1974	64 46.0N	146 41.0W	EDT2979	SCH	F	AP	12.0
Big Delta Depth 2979m USGS, 1974	64 46.0N	146 41.0W	EDT2979	SCH	K	BI	65.3
Big Delta Depth 316m USGS, 1974	64 46.0N	146 41.0W	EDT316	SCH	F	AP	101.0

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Big Delta	64 46.0N	146 41.0W	EDT974	SCH	F	AP	116.0
Depth 974m USGS, 1974							
Big Delta	64 46.5N	145 41.0W	75AFr2179	DI	K	BI	89.7
Pyroxene diorite Wilson, 1976							
Big Delta	64 48.3N	145 45.4W	75AFr2178	DI	K	BI	90.9
Pyroxene diorite Wilson, 1976							
Big Delta	64 51.2N	146 14.0W	75AFr2000B	QMON	K	BI	48.5
Granite Tors Wilson, 1976							
Blying Sound	59 42.4N	149 31.4W	BS-1	GR	K	BI	59.2
Granite of Harding Icefield region, southern tip of Aialik Penninsula Tysdal and Case, 1979							
Blying Sound	59 42.4N	149 31.4W	BS-1	GR	K	MU	54.6
Granite of Harding Icefield region, southern tip of Aialik Penninsula Tysdal and Case, 1979							
Cordova	60 29.3N	144 23.7W	Cordova1	GDI	K	BI	52.2
Tysdal et al, 1976; Plafker and Lanphere, 1974; Plafker, 1974							
Eagle	64 01.0N	142 05.0W	61AE184	ADAM	K	BI	180.
Mt. Taylor batholith Wasserburg et al, 1963; Foster, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Eagle	64 05.0N	141 39.0W	776-65	GNS	K	BI	96.9
Biotite gneiss Foster et al, 1976							
Eagle	64 07.0N	141 32.0W	69ACh100	SCH	K	BI	177.
Biotite muscovite schist Wasserburg et al, 1963; Foster, 1976; Foster et al, 1976							
Eagle	64 10.0N	141 20.0W	74ASj137	AMPH	K	BI	174.
Foster et al, 1976							
Eagle	64 10.0N	141 20.0W	74ASj137	AMPH	K	HO	177.
Foster et al, 1976							
Eagle	64 10.0N	141 20.0W	89-65A	GNS	K	HO	171.2
Biotite gneiss Foster et al, 1976							
Eagle	64 11.0N	143 00.0W	63AFr2C	SY	K	HO	177.
Syenite porphyry Foster, 1976; Foster et al, 1976							
Fairbanks	64 04.8N	148 12.8W	63AWg32	ASH	K	BI	57.3
Wahrhaftig et al, 1969							
Fairbanks	64 04.8N	148 12.8W	63AWg32	ASH	K	GL	8.1
Minimum age Wahrhaftig et al, 1969							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Fairbanks	64 04.8N	148 12.8W	63AWg32	ASH	K	MU	54.4
Wahrhaftig et al, 1969							
Fairbanks	64 33.6N	149 05.1W	BB10	SCH	R	BI	120.
Near Nenana Wasserburg et al, 1963							
Fairbanks	64 33.6N	149 05.1W	BB10	SCH	R	MU	381.
Near Nenana, ages ranged from 381-550 Wasserburg et al, 1963							
Gulkana	62 03.2N	144 34.7W	63AGz162	GDI	K	BI	126.
Biotite granodiorite near Mount Drum Grantz et al, 1966							
Gulkana	62 46.5N	144 08.0W	5WP2.9	QMON	K	BI	282.
Ahtell Pluton Richter et al, 1975							
Gulkana	62 47.0N	144 08.0W	68ARh368	QMON	K	BI	285.
Ahtell Pluton Richter et al, 1975							
Healy	63 00.3N	148 29.0W	TT-4-72	Q DI	K	BI	56.7
Turner and Smith, 1974							
Healy	63 01.2N	148 30.0W	TT-6-72	Q DI	K	BI	57.1
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 01.7N	148 02.0W	72ASt178	GDI	K	BI	48.8
Turner and Smith, 1974							
Healy	63 01.7N	148 02.0W	72ASt178	GDI	K	HO	44.8
Turner and Smith, 1974							
Healy	63 06.9N	147 55.5W	72ASt1658	SCH	K	BI	53.0
Turner and Smith, 1974							
Healy	63 07.9N	147 51.0W	72ASt1657	GDI	K	HO	55.9
Turner and Smith, 1974							
Healy	63 09.0N	147 14.0W	69ASt252	GAB	K	HO	143.
Alkali gabbro Smith and Lanphere, 1971; Smith, 1976; Smith and Turner, 1973							
Healy	63 09.0N	147 14.0W	69ASt252A	GAB	K	BI	130.
Alkali gabbro Smith and Lanphere, 1971; Smith, 1976; Smith and Turner, 1973							
Healy	63 09.0N	147 51.0W	72ASt165A	GDI	K	HO	64.3
Hornblende granodiorite Smith and Turner, 1973; Turner and Smith, 1974							
Healy	63 12.4N	147 26.1W	72ASb638	SCH	K	HO	64.1
Actinolitic hornblende Smith and Turner, 1973; Turner and Smith, 1974; Smith, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 14.0N	147 08.0W	69ASt137	GDI	K	BI	61.2
Smith and Lanphere, 1971; Smith, 1976; Smith and Turner, 1973							
Healy	63 14.0N	147 08.0W	69ASt137	GDI	K	HO	66.3
Smith and Lanphere, 1971; Smith, 1976; Smith and Turner, 1973							
Healy	63 14.0N	147 15.0W	69ASt1556	SCH	K	BI	57.2
Almandine biotite schist Smith and Lanphere, 1971; Smith, 1976; Smith and Turner, 1973							
Healy	63 16.0N	147 19.5W	69ASt199	GNS	K	HO	66.2
Smith and Turner, 1973; Turner and Smith, 1974; Smith, 1976							
Healy	63 16.7N	149 26.6W	76DS-2	BREC	K	BI	62.4
Intrusive breccia Swainbank et al, 1977							
Healy	63 16.7N	149 28.1W	76DS-3	DI	K	HO	57.4
Minimum age on altered hornblende Swainbank et al, 1977							
Healy	63 16.7N	149 28.1W	76DS-3	DI	K	HO	61.2
Minimum age on altered hornblende Swainbank et al, 1977							
Healy	63 17.0N	149 24.7W	76DS-1	QMON	K	BI	67.0
Swainbank et al, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 23.1N	149 38.5W	71ASt263	Q DI	K	BI	68.5
Approximate location; biotite quartz diorite porphyry Swainbank et al, 1977							
Healy	63 23.1N	149 38.5W	71ASt264A	Q DI	K	BI	68.2
Approximate location; biotite quartz diorite porphyry Swainbank et al, 1977							
Healy	63 23.1N	149 38.5W	71ASt265	BREC	K	MU	68.0
Approximate location--altered breccia pipe Swainbank et al, 1977							
Healy	63 25.0N	149 02.5W	UW1553 7	GDI	K	BI	58.3
Hickman, 1974							
Healy	63 25.7N	147 27.0W	72ASt329	GNS	K	AM	70.3
Turner and Smith, 1974							
Healy	63 25.8N	148 01.0W	72ASt351	GR	K	BI	55.8
Turner and Smith, 1974							
Healy	63 27.8N	148 28.0W	UW1574 18	GR	K	BI	55.7
Hickman, 1974							
Healy	63 28.5N	147 16.9W	72ASt326	Q DI	K	BI	53.3
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 28.5N	147 16.9W	72ASt326	Q DI	K	HO	87.4
Turner and Smith, 1974							
Healy	63 28.8N	147 08.3W	DT73-208	GNS	K	BI	50.2
Dioritic gneiss Turner and Smith, 1974							
Healy	63 28.8N	147 08.3W	DT73-208	GNS	K	HO	59.0
Dioritic gneiss Turner and Smith, 1974							
Healy	63 29.0N	148 30.0W	72ASt332	QMON	K	BI	36.9
Turner and Smith, 1974							
Healy	63 29.0N	148 35.0W	UW1553 4	GDI	K	BI	38.1
Hickman, 1974							
Healy	63 29.7N	148 51.5W	UW1574 6	GAB	K	PY	307.0
Altered or metamorphosed Hickman, 1974							
Healy	63 29.8N	147 06.8W	72ASt323	GNS	K	HO	77.3
Amphibole gneiss Turner and Smith, 1974							
Healy	63 30.7N	149 38.2W	74WG-14	BAS	K	WR	41.8
Minimum age Gilbert et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 31.3N	149 49.3W	DT73-1	Q DI	K	PL	57.2
Gilbert et al, 1976							
Healy	63 31.5N	147 41.3W	72ASt331	QMON	K	BI	36.6
Turner and Smith, 1974							
Healy	63 31.5N	147 53.5W	UW1574 19	GR	K	BI	71.8
Hickman, 1974							
Healy	63 34.3N	149 02.0W	UW1574 7	GDI	K	BI	70.0
Hickman, 1974							
Healy	63 34.3N	149 36.5W	DT73-9	AND	K	PL	60.6
Minimum age Gilbert et al, 1976							
Healy	63 34.7N	148 41.0W	UW1574 4	AND	K	AM	82.6
Intrudes Cantwell Formation Hickman, 1974							
Healy	63 35.7N	147 38.3W	DT72-45A	GDI	K	BI	37.0
Turner and Smith, 1974							
Healy	63 35.7N	147 38.3W	DT72-45A	GDI	K	HO	38.5
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 36.4N	149 28.0W	UW1562 4	BAS	K	WR	59.3
Hickman, 1974; Wegner, 1972							
Healy	63 36.7N	149 34.5W	UW1562 3	BAS	K	WR	55.1
Hickman, 1974; Wegner, 1972							
Healy	63 38.0N	148 26.0W	UW1574 17	Q DI	K	AM	35.7
Hickman, 1974							
Healy	63 38.8N	148 47.6W	UW1574 3	Q DI	K	BI	76.6
Hickman, 1974							
Healy	63 40.3N	149 41.4W	UW1562 2	GAB	K	WR	329.0
Altered or metamorphosed Hickman, 1974; Wegner, 1972							
Healy	63 41.6N	148 47.3W	UW1563 4	BAS	K	WR	58.8
A basaltic sill rock intruding the Cantwell sedimentary rocks Hickman, 1974; Bultman, 1972							
Healy	63 41.7N	148 37.3W	UW1562 1	GAB	K	PY	359.0
Altered or metamorphosed Hickman, 1974; Wegner, 1972							
Healy	63 43.5N	148 11.0W	UW1583 18	DI	K	HO	62.9
Amphibole diorite intruding metasedimentary sequence and Cantwell Formation Hickman, 1974; Sherwood, 1973							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 43.9N	147 51.8W	UW1580 15	GAB	K	FD	136.0
Altered or metamorphosed, medium grained gabbro, intrudes limestone unit Hickman, 1974; Anderson, 1973							
Healy	63 43.9N	147 57.4W	UW1580 16	PHYL	K	MU	112.0
Metamorphic age on a muscovite phyllite Hickman, 1974; Anderson, 1973							
Healy	63 44.2N	148 41.0W	UW1563 2	AND	K	WR	49.5
Basaltic andesite from the upper Cantwell volcanic rocks Hickman, 1974; Bultman, 1972							
Healy	63 44.9N	147 23.6W	DT72-43A	QMON	K	BI	93.8
Also sample no. 72178; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 44.9N	147 23.6W	DT72-43A	QMON	K	HO	95.3
Also sample no. 72172; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 44.9N	147 23.6W	DT72-43B	QMON	K	BI	93.4
Also sample no. 72180; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 44.9N	147 23.6W	DT72-43B	QMON	K	HO	94.8
Also sample no. 72170; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 45.3N	149 00.0W	UW1563 1	SCH	K	AM	309.0
Chlorite actinolite schist unit in the Birch Creek Schist Hickman, 1974; Bultman, 1972							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Healy	63 45.6N	147 17.6W	DT72-44A	QMON	K	BI	92.6
Also sample no. 72179; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 45.6N	147 17.6W	DT72-44A	QMON	K	HO	93.2
Also sample no. 73070; porphyritic hornblende biotite quartz monzonite Wahrhaftig et al, 1975; Turner and Smith, 1974							
Healy	63 45.7N	148 53.5W	UW1563 3	DIA	K	WR	53.2
Diabasic dike rock intruding the Brich Creek Schist Hickman, 1974							
Healy	63 47.0N	148 02.7W	UW1583 17	MON	K	HO	98.4
Monzonite dike intruding Metavolcanic schists Hickman, 1974; Sherwood, 1973							
Healy	63 48.6N	147 43.6W	UW1580 42	Q DI	K	BI	68.9
Medium grained biotite hornblende granodiorite, intrudes metavolcanic unit Hickman, 1974; Anderson, 1973							
Healy	63 48.7N	148 16.0W	UW1583 30	BAS	K	HO	77.0
Basalt porphyry intruding metasedimentary sequence Hickman, 1974; Sherwood, 1973							
Healy	63 57.9N	148 43.5W	BB12	DAC	K	HO	2.72
Jumbo Dome Dacite; approximate location Wahrhaftig, 1970							
Kenai	60 04.1N	151 38.8W	7-14-73-3	ASH	F	wI	8.3
Kenai Peninsula Triplehorn et al, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Kenai	60 04.1N	151 38.8W	7-14-73-3	ASH	K	PL	8.7
Kenai Peninsula Triplehorn et al, 1977							
Kenai	60 06.8N	152 35.1W	62ALe6e	Q DI	K	BI	153.
Naknek Formation Detterman et al, 1965; Magoon et al, 1976							
Kenai	60 06.8N	152 35.1W	62ALe6e	Q DI	K	HO	156.
Naknek Formation Detterman et al, 1965; Magoon et al, 1976							
Kenai	60 10.9N	151 27.5W	7-13-73-9	ASH	K	PL	6.8
Kenai Peninsula Triplehorn et al, 1977							
Kenai	60 12.3N	151 25.3W	7-13-73-6	ASH	K	HO	7.2
Kenai Peninsula Triplehorn et al, 1977							
Kenai	60 12.3N	151 25.3W	7-13-73-6	ASH	K	PL	8.6
Kenai Peninsula Triplehorn et al, 1977							
Kenai	60 15.2N	152 53.2W	62ALe5	GDI	K	BI	170.
Alaska-Aleutian Range batholith Detterman et al, 1965; Reed and Lanphere, 1969; 1972; Magoon et al; 1976							
Kenai	60 15.2N	152 53.2W	62ALe5	GDI	K	HO	168.
Alaska-Aleutian Range batholith Detterman et al, 1965; Detterman et al, 1976; Magoon et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Kenai	60 15.2N	152 53.2W	62ALe5	GDI	K	HO	168.
Same date as above, just additional references Reed and Lanphere, 1969; 1972							
Kenai	60 35.4N	152 46.8W	70AR175	GDI	K	BI	95.4
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 36.9N	152 37.7W	70AR177	Q DI	K	BI	159.
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 36.9N	152 37.7W	70AR177	Q DI	K	HO	158
Reed and Lanphere, 1972, Detterman et al, 1976, Magoon et al, 1976							
Kenai	60 40.6N	152 27.1W	70AR178	GDI	K	BI	161.
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 40.6N	152 27.1W	70AR178	GDI	K	HO	159.
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 44.6N	152 57.5W	70AR146	GDI	K	BI	64.9
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 44.9N	152 48.7W	70AR173	DI	K	BI	65.6
Reed and Lanphere, 1972; Magoon et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Kenai	60 44.9N	152 48.7W	70AR173	DI	K	HO	69.7
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 48.2N	152 21.3W	66AR1464	QMON	K	BI	155.
Reed and Lanphere, 1969; 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 48.3N	152 29.5W	70AR156	DI	K	HO	142.
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 49.9N	152 34.9W	70AR158	Q DI	K	BI	68.4
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 49.9N	152 34.9W	70AR158	Q DI	K	HO	72.5
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 51.9N	152 40.8W	70AR147	GDI	K	BI	63.8
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 51.9N	152 40.8W	70AR147	GDI	K	HO	65.9
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 56.6N	152 51.7W	70AR140	GDI	K	BI	63.5
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Kenai	60 56.6N	152 51.7W	70AR140	GDI	K	HO	68.8
Reed and Lanphere, 1972; Magoon et al, 1976							
Kenai	60 59.1N	152 16.8W	70AR179	Q DI	K	BI	69.6
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
Kenai	60 59.1N	152 16.8W	70AR179	Q DI	K	HO	68.9
Reed and Lanphere, 1972; Magoon et al, 1976; Detterman et al, 1976							
McCarthy	61 00.7N	141 06.0W	74AMk6A	QMON	K	HO	297.
Silberman and MacKevett, writ. comm.							
McCarthy	61 00.7N	141 20.0W	73AMk60c	UNID	K	HO	279.
Smith, J.G., 1977, writ. comm.							
McCarthy	61 00.9N	142 03.6W	73AH289b	UNID	K	BI	133.
Smith, J.G., 1977, writ. comm.							
McCarthy	61 00.9N	142 03.6W	73AH289b	UNID	K	HO	138.7
Smith, J.G., 1977, writ. comm.							
McCarthy	61 03.0N	141 54.4W	74AMk139A	Q DI	K	BI	138.
Reset? Silberman and MacKevett, 1977, writ. comm.							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
McCarthy	61 03.0N	141 54.4W	74AMk139A	Q DI	K	HO	150.
Reset?							
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 23.3N	142 06.0W	BB17	GDI	K	BI	8.4
Glacier Creek Glacier							
MacKevett, 1970; MacKevett, 1976							
McCarthy	61 23.3N	142 06.0W	BB17	GDI	K	HO	8.4
Glacier Creek Glacier							
MacKevett, 1970; MacKevett, 1976							
McCarthy	61 24.4N	143 26.4W	74A K212	GAB	K	AM	278.
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 24.4N	143 26.4W	74A K212	GAB	K	BI	271.
Minimum age							
Silberman and MacKevett, 1977, writ. comm.; MacKevett, 1976							
McCarthy	61 25.1N	142 47.8W	74AMS14	DAC	K	HO	14.8
Dike best age							
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 25.1N	142 47.8W	74AMS14	DAC	K	PL	9.1
Reset by intrusive							
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 25.1N	142 48.1W	74AMS13	DAC	K	CH	5.9
Altered dike							
Silberman and MacKevett, 1977, writ. comm.							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
McCarthy	61 25.7N	143 55.3W	71ASj23	GDI	K	BI	146
Smith, J.G., 1973, writ. comm.; MacKevett, 1976							
McCarthy	61 25.7N	143 55.3W	71ASj23	GDI	K	HO	138
Smith, J.G., 1973, writ. comm.; MacKevett, 1976							
McCarthy	61 26.9N	141 14.6W	71AMk17c	GR	K	HO	295
Smith, J.G., 1973, writ. comm.							
McCarthy	61 28.5N	143 59.7W	74ASB81	PEG	K	AM	804.
Suspect date Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 29.1N	142 49.5W	74AMS17	RHY	K	SA	6.5
Porphyry Silberman and MacKevett, 1977, writ. comm.; MacKevett, 1976							
McCarthy	61 31.1N	142 49.5W	MC93	GNST	K	FD	180.
Altered rock Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 32.6N	143 42.4W	70AMk60B	GDI	K	HO	134.
Hornblende granodiorite Berry et al, 1976; MacKevett et al, 1978							
McCarthy	61 32.7N	143 42.5W	63ALe15	GDI	K	HO	141.
Near Kuskulana Pass Grantz et al, 1966; MacKevett et al, 1978							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
McCarthy	61 33.7N	143 39.6W	70AMk60D2	GDI	K	HO	142.
Hornblende granodiorite Berry et al, 1976; MacKevett et al, 1978							
McCarthy	61 35.0N	143 48.0W	13-A	GDI	A	WI	105.
Porcupine Creek Jaffe et al, 1959; Matzko et al, 1958							
McCarthy	61 37.6N	143 39.3W	70AMk61C	DAC	K	HO	3.8
Hornblende biotite dacite Berry et al, 1976; MacKevett, 1976; MacKevett et al, 1978							
McCarthy	61 37.6N	143 39.7W	71AMk19C	GDI	K	HO	145.
Hornblende granodiorite Berry et al, 1976; MacKevett et al, 1978							
McCarthy	61 40.5N	141 49.0W	AA44	AND	K	WR	1.6
Augite olivine andesite Denton and Armstrong, 1969							
McCarthy	61 41.8N	141 48.0W	AA41	AND	K	WR	8.4
Hypersthene augite olivine andesite Denton and Armstrong, 1969							
McCarthy	61 42.3N	141 50.0W	AA37	AND	K	WR	10.2
Olivine augite andesite Denton and Armstrong, 1969							
McCarthy	61 42.5N	141 47.6W	AA42	AND	K	WR	2.7
Pigeonite hypersthene andesite Denton and Armstrong, 1969							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
McCarthy	61 44.0N	141 50.3W	AA39	AND	K	WR	8.7
Olivine augite andesite Denton and Armstrong, 1969							
McCarthy	61 44.0N	141 50.4W	AA38	AND	K	WR	9.9
Olivine augite andesite Denton and Armstrong, 1969							
McCarthy	61 44.4N	143 49.6W	71AMk26A	GDI	K	HO	142.
Biotite hornblende granodiorite Berry et al, 1976; MacKevett et al, 1978							
McCarthy	61 44.8N	141 50.0W	AA40	AND	K	WR	9.8
Olivine augite hypersthene andesite Denton and Armstrong, 1969							
McCarthy	61 45.1N	143 50.9W	74AMk125A	GDI	K	BI	143.
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 45.1N	143 50.9W	74AMk125A	GDI	K	HO	141.
Silberman and MacKevett, 1977, writ. comm.							
McCarthy	61 45.3N	141 49.9W	AA43	AND	K	WR	3.6
Olivine augite andesite Denton and Armstrong, 1969							
Mt. Hayes	63 07.9N	146 38.5W	72ASt42	GDI	K	AM	142.8
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 14.5N	146 44.0W	71H224	GDI	K	HO	125.8
Smith and Turner, 1973; Turner and Smith, 1974							
Mt. Hayes	63 15.0N	146 30.0W	BB18	GNS	K	WR	149.
Gulkana Glacier approximate location Regan and Hawkins, 1966							
Mt. Hayes	63 15.0N	146 30.0W	BB19	SCH	K	WR	147.
Gulkana Glacier approximate location Regan and Hawkins, 1966							
Mt. Hayes	63 19.2N	145 24.9W	71AWr483	SCH	K	MU	112.4
Turner and Smith, 1974							
Mt. Hayes	63 20.2N	146 46.5W	72ASt228	SCH	K	BI	46.8
Turner and Smith, 1974							
Mt. Hayes	63 20.2N	146 46.5W	72ASt228	SCH	K	HO	67.9
Turner and Smith, 1974							
Mt. Hayes	63 20.9N	145 34.7W	71AWr482	SCH	K	MU	114.9
Turner and Smith, 1974							
Mt. Hayes	63 21.9N	146 50.6W	72ASt214	AMPH	K	HO	58.3
Amphibolite gneiss Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 22.2N	145 49.1W	71AWr476	QMON	K	BI	31.1
Turner and Smith, 1974							
Mt. Hayes	63 22.2N	145 49.1W	71AWr476	QMON	K	MU	35.5
Turner and Smith, 1974							
Mt. Hayes	63 22.2N	145 52.8W	A34-71	GNS	K	BI	29.8
Pelitic gneiss Turner and Smith, 1974							
Mt. Hayes	63 22.6N	146 48.8W	DT73-201	GNS	K	BI	55.5
Turner and Smith, 1974							
Mt. Hayes	63 22.6N	146 48.8W	DT73-201	GNS	K	HO	64.3
Pelitic gneiss Turner and Smith, 1974							
Mt. Hayes	63 22.6N	146 48.8W	DT73-202	GNS	K	HO	60.2
Pelitic gneiss Turner and Smith, 1974							
Mt. Hayes	63 22.6N	146 48.8W	DT73-203	PEG	K	BI	54.5
Turner and Smith, 1974							
Mt. Hayes	63 22.6N	146 48.8W	DT73-203	PEG	K	HO	57.0
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 22.9N	145 54.3W	553B-71	GNS	K	BI	30.6
Turner and Smith, 1974							
Mt. Hayes	63 23.0N	145 47.5W	A146	GNS	K	BI	33.6
Turner and Smith, 1974							
Mt. Hayes	63 23.0N	145 47.5W	A146	GNS	K	HO	48.7
Diorite gneiss Turner and Smith, 1974							
Mt. Hayes	63 23.3N	145 43.8W	DT72-42A	GDI	K	BI	83.8
Turner and Smith, 1974							
Mt. Hayes	63 23.3N	145 49.1W	71AWr474B	DI	K	HO	45.9
Turner and Smith, 1974							
Mt. Hayes	63 23.3N	145 49.1W	71AWr474C	DI	K	HO	43.8
Turner and Smith, 1974							
Mt. Hayes	63 23.3N	145 49.1W	DT72-36A	GNS	K	BI	31.6
Turner and Smith, 1974							
Mt. Hayes	63 23.3N	145 49.1W	DT72-36B	GNS	K	BI	30.8
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 23.3N	145 49.1W	DT72-36B	GNS	K	HO	47.6
Turner and Smith, 1974							
Mt. Hayes	63 24.3N	146 19.5W	DT72-1197	GDI	K	MU	31.3
Turner and Smith, 1974							
Mt. Hayes	63 24.3N	146 19.5W	DT72-40A	GDI	K	BI	31.1
Turner and Smith, 1974							
Mt. Hayes	63 24.3N	146 19.5W	DT72-40B	GDI	K	BI	30.0
Turner and Smith, 1974							
Mt. Hayes	63 24.3N	146 19.5W	DT72-40B	GDI	K	MU	30.8
Turner and Smith, 1974							
Mt. Hayes	63 24.6N	145 52.5W	71AWr452	MYLT	K	MU	32.6
Turner and Smith, 1974							
Mt. Hayes	63 24.6N	145 52.5W	DENALI FLT	OTHER	K	SE	7.3
Fault gouge from Denali fault Turner and Smith, 1974							
Mt. Hayes	63 24.6N	145 52.5W	DT72-31B	GNS	K	BI	28.5
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 24.7N	146 49.5W	DT73-204	GNS	K	BI	52.0
Turner and Smith, 1974							
Mt. Hayes	63 24.7N	146 49.5W	DT73-204	GNS	K	BI	58.3
Granodiorite gneiss Turner and Smith, 1974							
Mt. Hayes	63 25.6N	145 50.6W	71AWr479	GDI	K	BI	92.4
Turner and Smith, 1974							
Mt. Hayes	63 25.6N	145 50.6W	71AWr479	GDI	K	HO	87.4
Turner and Smith, 1974							
Mt. Hayes	63 26.4N	146 03.0W	A59B-71	GNS	K	BI	30.5
Pelitic gneiss Turner and Smith, 1974							
Mt. Hayes	63 27.1N	146 04.5W	71AWr480	GDI	K	BI	29.5
Turner and Smith, 1974							
Mt. Hayes	63 27.1N	146 04.5W	71AWr480	GDI	K	MU	29.2
Turner and Smith, 1974							
Mt. Hayes	63 27.1N	146 14.3W	DT72-37A	GDI	K	MU	31.3
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 27.1N	146 14.3W	DT72-37B	GDI	K	BI	29.5
Turner and Smith, 1974							
Mt. Hayes	63 27.1N	146 14.3W	DT72-37B	GDI	K	MU	30.5
Turner and Smith, 1974							
Mt. Hayes	63 28.5N	146 24.0W	DT72-38A	Q DI	K	BI	30.6
Turner and Smith, 1974							
Mt. Hayes	63 28.5N	146 24.0W	DT72-38B	Q DI	K	BI	30.4
Turner and Smith, 1974							
Mt. Hayes	63 28.5N	146 24.0W	DT72-38B	Q DI	K	HO	35.7
Turner and Smith, 1974							
Mt. Hayes	63 28.8N	146 57.0W	DT73-205	AMPH	K	HO	57.6
Turner and Smith, 1974							
Mt. Hayes	63 29.0N	146 34.0W	DT72-39A	GNS	K	BI	32.8
Also sample number 72DT39A Smith and Turner, 1973; Turner and Smith, 1974							
Mt. Hayes	63 29.5N	147 00.0W	DT73-207	MIG	K	BI	50.1
Turner and Smith, 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes	63 29.5N	147 00.0W	DT73-207	MIG	K	HO	48.4
Turner and Smith, 1974							
Mt. Hayes	63 29.8N	146 49.5W	72ASt311	GDI	K	BI	35.2
Turner and Smith, 1974							
Mt. Hayes	63 29.8N	146 49.5W	72ASt311	GDI	K	HO	34.7
Turner and Smith, 1974							
Mt. Hayes	63 30.2N	146 45.8W	71AWr472	GDI	K	BI	34.6
Turner and Smith, 1974							
Mt. Hayes Horn Mountain	63 38.0N	144 43.1W	BB20	GDI	A	■I	90.
Holmes, 1965; Holmes and Foster, 1968							
Mt. Hayes Near Dot Lake	63 40.0N	144 05.0W	BB22	GDI	A	■I	110.
Holmes, 1965; Holmes and Foster, 1968							
Mt. Hayes	63 43.0N	144 07.1W	BB21	Q DI	A	■I	110.
Holmes and Foster, 1968							
Mt. Hayes Gerstle Quarry	63 49.0N	144 54.0W	AA78	GDI	A	■I	105.
Holmes, 1965, Holmes and Foster, 1968							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. Hayes Gerstle Quarry Wilson, 1976	63 49.2N	144 53.2W	75AFr2172	QMON	K	BI	86.6
Mt. Hayes Gerstle Quarry Wilson, 1976	63 49.2N	144 53.2W	75AFr2172	QMON	K	HO	90.6
Mt. McKinley Foraker pluton Reed and Lanphere, 1972; 1974	63 00.3N	151 24.9W	70AR126	GDI	K	BI	32.8
Mt. McKinley Foraker pluton Reed and Lanphere, 1972	63 00.3N	151 24.9W	70AR126	GDI	K	HO	35.2
Mt. McKinley Reed and Lanphere, 1972	63 04.8N	151 27.2W	70AR125	GR	K	BI	56.1
Mt. McKinley McGonagall pluton Reed and Lanphere, 1974	63 06.7N	151 15.1W	71AR-9	GDI	K	BI	35.7
Mt. McKinley McGonagall pluton Reed and Lanphere, 1974	63 06.7N	151 15.1W	71AR-9	GDI	K	HO	38.1
Mt. McKinley McGonagall pluton Reed and Lanphere, 1974	63 13.0N	150 50.4W	71AR-7	GDI	K	BI	35.6

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. McKinley	63 13.0N	150 50.4W	71AR-7	GDI	K	HO	36.1
Ar40/Ar39 analyses; McGonagall pluton Reed and Lanphere, 1974							
Mt. McKinley	63 14.2N	150 44.2W	71AR-6	GDI	K	BI	35.4
McGonagall pluton Reed and Lanphere, 1974							
Mt. McKinley	63 14.2N	150 44.2W	71AR-6	GDI	K	HO	38.3
Ar40/Ar39 analyses; McGonagall pluton Reed and Lanphere, 1974							
Mt. McKinley	63 21.6N	150 31.2W	76WG110	BAS	K	PL	32.3
Minimum age Decker and Gilbert, 1978							
Mt. McKinley	63 23.4N	150 19.7W	76JD59	GDI	K	BI	37.9
Decker and Gilbert, 1978							
Mt. McKinley	63 23.4N	150 19.7W	76JD59	GDI	K	HO	37.6
Decker and Gilbert, 1978							
Mt. McKinley	63 25.4N	150 17.8W	76WG107	AND	K	HO	37.7
Decker and Gilbert, 1978							
Mt. McKinley	63 25.4N	150 23.4W	75WG8	AND	K	HO	38.0
Decker and Gilbert, 1978							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. McKinley	63 25.4N	150 23.4W	75WG8	AND	K	PL	40.1
Decker and Gilbert, 1978							
Mt. McKinley	63 25.7N	150 22.7W	75WG9	BAS	K	PL	34.0
Minimum age Decker and Gilbert, 1978							
Mt. McKinley	63 29.4N	150 16.0W	75WG19	BAS	K	PL	38.6
Minimum age Decker and Gilbert, 1978							
Mt. St. Elias	60 07.6N	139 28.5W	67APr78A	TON	K	HO	18.5
Hornblende tonalite; Valerie Glacier pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 07.6N	139 28.5W	67APr78A	TON	K	MU	20.9
Hornblende tonalite; Valerie Glacier pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 13.3N	139 31. W	69APr40A	GDI	K	BI	30.6
Sheared and granulated muscovite biotite granodiorite; Mt. Foresta pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 17.0N	140 53.0W	69APr54A	Q DI	K	BI	87.2
Biotite hornblende quartz diorite; Mt. St. Elias pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 17.0N	140 53.0W	69APr54A	Q DI	K	HO	188.
Biotite hornblende quartz diorite; Mt. St. Elias pluton Hudson, Plafker, and Lanphere, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Mt. St. Elias	60 17.2N	139 11.9W	69APr31B	Q DI	K	HO	279.
Hornblende quartz diorite, sheared; Mt. Hubbard pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 18.1N	139 31.9W	69APr37D	AMPH	K	AM	58.5
Mafic amphibloite Hudson, Plafker, and Turner, 1977							
Mt. St. Elias	60 18.1N	139 36.1W	69APr32A	GDI	K	BI	44.6
Biotite granodiorite; Mt. Vancouver pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 18.1N	139 36.1W	69APr32A	GDI	K	MU	46.8
Biotite granodiorite; Mt. Vancouver pluton Hudson, Plafker, and Lanphere, 1977							
Mt. St. Elias	60 20.1N	139 12.6W	69APr31C2		K	HO	284.
Rock type unknown Hudson, Plafker, and Lanphere, 1977							
Nabesna	62 00.8N	143 16.8W	72ARh307a	DAC	K	PL	1.63
Richter and Smith, 1976							
Nabesna	62 03.5N	143 29.0W	72ARh310	DAC	K	PL	1.34
Richter and Smith, 1976							
Nabesna	62 06.0N	141 35.0W	69AMn188	GDI	K	BI	111.
Klein Creek pluton Richter et al, 1975; Richter, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Nabesna Klein Creek pluton Richter et al, 1975; Richter, 1976	62 06.0N	141 35.0W	69AMn188	GDI	K	HO	111.
Nabesna Chisana pluton Richter et al, 1975; Richter, 1976	62 06.0N	142 00.0W	70ALe42	DI	K	BI	110.
Nabesna Klein Creek pluton Richter et al, 1975; Richter, 1976	62 08.0N	141 28.0W	69ARh179	GAB	K	BI	111.
Nabesna 40/39 Richter et al, 1975; Richter, 1976	62 12.0N	141 12.0W	71PCL163	PEG	K	BI	17.5
Nabesna Nabesna pluton Richter et al, 1975; Richter, 1976	62 12.0N	142 51.0W	ORANGE HIL	Q DI	K	HO	105.
Nabesna Nabesna pluton Richter et al, 1975; Richter, 1976	62 17.0N	142 36.0W	68ARh360A	GDI	K	BI	112.
Nabesna Nabesna pluton Richter et al, 1975; Richter, 1976	62 17.0N	142 36.0W	68ARh360A	GDI	K	HO	109.
Nabesna Nabesna pluton Richter et al, 1975; Richter, 1976	62 17.0N	142 54.0W	68ARh361A	GDI	K	BI	114.

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Nabesna	62 17.0N	142 54.0W	68ARh361A	GDI	K	HO	114.
Nabesna pluton Richter et al, 1975; Richter, 1976							
Nabesna	62 23.0N	141 05.0W	74ARh70	QMON	K	BI	50.0
Snag Creek pluton Richter, 1976							
Nabesna	62 25.0N	142 19.0W	71ARh100	HBDT	K	HO	105.
Antler Creek pluton Richter et al, 1975; Richter, 1976; Richter, 1975							
Nabesna	62 30.0N	142 30.0W	BB25	GDI	K	WR	112.
Nabesna B-4 quadrangle, location is very approximate Richter, 1972							
Nabesna	62 36.0N	143 21.0W	68ARh364A	PEG	K	BI	198.
In alkali gneiss at Molybdenite Prospect Richter, 1970; Richter et al, 1975; Richter, 1976							
Nabesna	62 36.0N	143 21.0W	68ARh364A	PEG	K	HO	199.
In alkali gneiss at Molybdenite Prospect Richter, 1970; Richter et al, 1975; Richter, 1976							
Nabesna	62 36.0N	143 21.0W	69ARh3b	GNS	K	HO	189.
Diorite complex Richter et al, 1975; Richter, 1976							
Nabesna	62 43.0N	142 43.0W	70AMn106	QMON	K	HO	91.8
Tok-Tetlin pluton Richter et al, 1975; Richter, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Nabesna	62 44.0N	142 23.0W	71ARh77	GDI	K	BI	93.3
Cheslina pluton Richter et al, 1975; Richter, 1976							
Nabesna	62 46.5N	143 31.0W	67ARh111	DI	K	HO	117.
Suslota Pass pluton Richter et al, 1975; Richter, 1976							
Nabesna	62 48.0N	143 08.0W	68ARh369	GDI	K	BI	92.3
Tol-Tetlin pluton Richter et al, 1975; Richter, 1976; Richter et al, 1976							
Nabesna	62 48.0N	143 08.0W	68ARh369	GDI	K	HO	93.7
Tok-Tetlin pluton Richter et al, 1975; Richter, 1976; Richter et al, 1976							
Nabesna	62 52.0N	143 20.0W	67ACx212	GDI	K	BI	91.2
Tok-Tetlin pluton Richter et al, 1975; Richter, 1976; Richter et al, 1976							
Nabesna	62 52.0N	143 20.0W	67ACx212	GDI	K	HO	92.8
Tok-Tetlin pluton Richter et al, 1975; Richter, 1976; Richter et al, 1976							
Nabesna	62 53.0N	143 59.0W	68ARh367	DI	K	HO	163.
Diorite complex Richter et al, 1975; Richter, 1976							
Nabesna	62 55.0N	141 32.0W	71ARh117	QMON	K	BI	88.8
Gardiner Creek pluton Richter et al, 1975; Richter, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Seldovia	59 27.7N	151 42.4W	SD3-3	GSCH	K	AC	191.
Approximate corrected location Forbes and Lanphere, 1973; Magoon et al, 1976							
Seldovia	59 27.7N	151 42.4W	SD3-3	GSCH	K	CH	181.
Approximate corrected location Forbes and Lanphere, 1973; Magoon et al, 1976							
Seldovia	59 27.7N	151 42.4W	SD3-3	GSCH	K	MI	188.
Approximate corrected location Forbes and Lanphere, 1973; Magoon et al, 1976							
Seldovia	59 28.0N	151 44.0W	SD9-3	SCH	K	AM	154.
Blueschist; possible argon loss; approximate corrected location Forbes and Lanphere, 1973; Magoon et al, 1976							
Seldovia	59 28.0N	151 44.0W	SD9-3	SCH	K	PH	189.
Blueschist; possible argon loss; approximate corrected location Forbes and Lanphere, 1973; Magoon et al, 1976							
Seldovia	59 40.6N	151 21.2W	7-21-73-1	ASH	F	WI	8.6
Kenai Peninsula Triplehorn et al, 1977							
Seldovia	59 40.6N	151 21.2W	7-21-73-1	ASH	K	PL	11.0
Kenai Peninsula Triplehorn et al, 1977							
Seldovia	59 42.0N	151 17.6W	7-21-73-5	ASH	F	WI	7.9
Kenai Peninsula Triplehorn et al, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Seldovia Kenai Peninsula Triplehorn et al, 1977	59 45.0N	151 10.6W	7-22-73-4	ASH	F	WI	7.9
Seldovia Kenai Peninsula Triplehorn et al, 1977	59 45.0N	151 10.6W	7-22-73-4	ASH	K	PL	7.9
Seward	60 27.0N	148 06.5W	PW8	Q DI	K	BI	36.2
Lanphere, 1966; Magoon et al, 1976; Tysdal and Case, 1979							
Seward	60 27.0N	148 06.5W	PW8	Q DI	K	HO	34.4
Lanphere, 1966; Magoon et al, 1976; Tysdal and Case, 1979							
Seward	60 29.5N	148 23.0W	PW9	QMON	K	BI	36.1
Lanphere, 1966; Magoon et al, 1976; Tysdal and Case, 1979							
Seward	60 50.0N	148 03.0W	PW2	GDI	K	BI	35.5
Lanphere, 1966; Magoon et al, 1976; Tysdal and Case, 1979							
Seward	60 50.0N	148 29.0W	PW1	GDI	K	BI	36.6
Lanphere, 1966; Magoon et al, 1976; Tysdal and Case, 1979							
Talkeetna	62 03.8N	152 55.0W	69AR305	GDI	K	BI	65.9
Reed and Lanphere, 1972							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna	62 04.6N	152 27.0W	70AR-3-1	DI	K	BI	67.4
Reed and Lanphere, 1972							
Talkeetna	62 14.2N	152 47.1W	70AR132	QMON	K	BI	64.5
Reed and Lanphere, 1972							
Talkeetna	62 26.5N	152 48.8W	67AR404	QMON	K	BI	56.2
Reed and Lanphere, 1972							
Talkeetna	62 32.9N	152 11.3W	70AR2-14	GDI	K	BI	64.6
Reed and Lanphere, 1972							
Talkeetna	62 36.1N	151 32.7W	70AR114	QMON	K	BI	55.2
Reed and Lanphere, 1972							
Talkeetna	62 42.0N	152 36.4W	70AR121	QMON	K	BI	56.5
Reed and Lanphere, 1972							
Talkeetna	62 42.6N	151 10.5W	70AR112	QMON	K	BI	55.7
Reed and Lanphere, 1972							
Talkeetna	62 42.6N	151 10.5W	70AR112	QMON	K	MU	52.3
Reed and Lanphere, 1972							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna	62 47.8N	152 09.2W	70AR104	GDI	K	BI	35.8
Reed and Lanphere, 1972; 1974							
Talkeetna	62 47.8N	152 09.2W	70AR104	GDI	K	HO	38.8
Reed and Lanphere, 1972; 1974							
Talkeetna	62 49.1N	151 39.3W	70AR109	GDI	K	BI	34.3
Reed and Lanphere, 1972; 1974							
Talkeetna	62 49.1N	151 39.3W	70AR109	GDI	K	HO	35.6
Reed and Lanphere, 1972; 1974							
Talkeetna	62 50.2N	152 12.1W	67AR427	QMON	K	BI	56.
Reed and Lanphere, 1972							
Talkeetna	62 52.4N	151 34.4W	70AR1-12	GDI	K	BI	32.4
Reed and Lanphere, 1972; 1974							
Talkeetna	62 52.4N	151 34.4W	70AR1-12	GDI	K	HO	35.4
Reed and Lanphere, 1972; 1974							
Talkeetna	62 53.2N	151 47.2W	70AR127	Q DI	K	BI	34.5
Reed and Lanphere, 1972; 1974							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna	62 53.2N	151 47.2W	70AR127	Q DI	K	HO	38.5
Reed and Lanphere, 1972; 1974							
Talkeetna	62 53.9N	150 34.3W	70AR116	QMON	K	BI	56.2
Reed and Lanphere, 1972							
Talkeetna	62 56.3N	150 54.2W	70AR115	QMON	K	BI	55.3
Reed and Lanphere, 1972							
Talkeetna	62 59.9N	150 23.8W	70AR117	QMON	K	BI	55.7
Reed and Lanphere, 1972							
Talkeetna Mts.	62 04.6N	149 11.2W	73ACy94	TON	K	BI	61.7
Csejtey et al, 1978							
Talkeetna Mts.	62 04.6N	149 11.2W	73ACy94	TON	K	HO	61.0
Csejtey et al, 1978							
Talkeetna Mts.	62 04.8N	148 30.5W	73ACy115	TROND	K	BI	99.4
Csejtey et al, 1978							
Talkeetna Mts.	62 04.8N	148 30.5W	73ACy115	TROND	K	MU	135.
Csejtey et al, 1978							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna Mts.	62 04.8N	148 46.0W	73ACy114	TROND	K	BI	67.8
Reset Csejtey et al, 1978							
Talkeetna Mts.	62 06.5N	148 59.7W	73ACy95	GDI	K	BI	61.7
Csejtey et al, 1978							
Talkeetna Mts.	62 06.5N	148 59.7W	73ACy95	GDI	K	HO	71.3
Csejtey et al, 1978							
Talkeetna Mts.	62 08.8N	149 18.5W	72ACy127	TON	K	BI	66.4
Age recalculated from new constant; Biotite-hornblende tonalite Csejtey, 1974; Csejtey et al, 1978							
Talkeetna Mts.	62 08.8N	149 18.5W	72ACy127	TON	K	HO	64.3
Biotite-hornblende tonalite Csejtey, 1974; Csejtey et al, 1978							
Talkeetna Mts.	62 09.0N	149 13.5W	72ACy117	Q DI	K	BI	67.3
Age recalculated from new constant Csejtey, 1974; Csejtey et al, 1978							
Talkeetna Mts.	62 09.0N	149 13.5W	72ACy117	Q DI	K	HO	64.6
Age recalculated from new constant Csejtey, 1974; Csejtey et al, 1978							
Talkeetna Mts.	62 09.9N	147 44.7W	59AGzM25-1	GDI	A	WI	180.
Quartz diorite-granodiorite Grantz et al, 1963							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna Mts.	62 09.9N	147 44.7W	59AGzM25-1	GDI	K	BI	160.
Quartz diorite-granodiorite Grantz et al, 1963							
Talkeetna Mts.	62 09.9N	147 44.7W	59AGzM25-2	QMON	K	BI	155.
Granodiorite-quartz monzonite Grantz et al, 1963							
Talkeetna Mts.	62 09.9N	147 44.7W	59AGzM25-3	Q DI	A	BI	150.
Grantz et al, 1963							
Talkeetna Mts.	62 09.9N	147 44.7W	59AGzM25-3	Q DI	K	BI	160.
Grantz et al, 1963							
Talkeetna Mts.	62 12.8N	148 06.6W	59AGzM26	Q DI	K	BI	161.
Age recalculated from new constant Csejtey et al, 1978; Detterman et al, 1965; Grantz et al, 1963							
Talkeetna Mts.	62 12.8N	148 06.6W	59AGzM26	Q DI	K	BI	170.
Age recalculated from new constant Csejtey et al, 1978; Detterman et al, 1965							
Talkeetna Mts.	62 12.8N	148 06.6W	59AGzM26	Q DI	K	BI	173.
Age recalculated from new constant Csejtey et al, 1978; Grantz et al, 1963; Evernden et al, 1961							
Talkeetna Mts.	62 12.8N	148 06.6W	59AGzM26	Q DI	K	HO	163.
Age recalculated from new constant Csejtey et al, 1978; Detterman et al, 1965							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna Mts.	62 16.8N	148 43.4W	75ASj526	AND	K	WR	56.3
Csejtey et al, 1978							
Talkeetna Mts.	62 18.7N	149 46.5W	73ACy101	TON	K	BI	54.8
Csejtey et al, 1978							
Talkeetna Mts.	62 19.0N	148 10.1W	62AE4	TROND	K	BI	143.
Csejtey et al, 1978							
Talkeetna Mts.	62 19.0N	148 10.1W	62AE4	TROND	K	MU	146.
Csejtey et al, 1978							
Talkeetna Mts.	62 21.3N	147 49.2W	59AGzM57	GDI	A	WI	125.0
Csejtey et al, 1978; Grantz et al, 1963							
Talkeetna Mts.	62 21.4N	147 49.3W	59AGzM58	GDI	A	WI	165.0
Grantz et al, 1963							
Talkeetna Mts.	62 21.4N	147 49.3W	59AGzM58	GDI	K	BI	174.
Age recalculated from new constant Csejtey et al, 1978; Detterman et al, 1965; Grantz et al, 1963							
Talkeetna Mts.	62 21.4N	147 49.3W	59AGzM58	GDI	K	HO	167.
Age recalculated from new constant Csejtey et al, 1978; Detterman et al, 1965; Grantz et al, 1963							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna Mts.	62 27.5N	148 18.6W	73ACy109	Q DI	K	BI	144.0
Csejtey et al, 1978							
Talkeetna Mts.	62 27.5N	148 18.6W	73ACy109	Q DI	K	HO	154.
Csejtey et al, 1978							
Talkeetna Mts.	62 28.6N	149 29.5W	75ASj520	AND	K	HO	50.4
Csejtey et al, 1978							
Talkeetna Mts.	62 30.7N	147 52.6W	73ASt275	TROND	K	BI	148.5
Age recalculated from new constant Csejtey et al, 1978; Turner and Smith, 1974							
Talkeetna Mts.	62 34.9N	147 41.9W	73ASt256	TROND	K	BI	146.5
Age recalculated from new constant Csejtey et al, 1978; Turner and Smith, 1974							
Talkeetna Mts.	62 35.4N	148 53.7W	75ASj521B	AND	K	WR	51.3
Csejtey et al, 1978							
Talkeetna Mts.	62 37.5N	149 24.6W	75ACy7	ADAM	K	BI	58.6
Csejtey et al, 1978							
Talkeetna Mts.	62 38.5N	147 23.0W	GG1	UNID	P	WI	125.
Rock type unknown; approximate location USGS, 1960							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Talkeetna Mts.	62 38.5N	147 23.0W	GG2	UNID	P	WI	135.
Rock type unknown; approximate location USGS, 1960							
Talkeetna Mts.	62 38.5N	147 23.0W	KA431	DI	K	BI	169.
Oshetna River Evernden et al, 1961							
Talkeetna Mts.	62 45.6N	147 18.5W	72ASt290	DI	K	HO	176.6
Diorite or amphibolite; Age recalculated from new constant Csejtey et al, 1978; Turner and Smith, 1974							
Talkeetna Mts.	62 45.8N	149 56.3W	75ACy2	ADAM	K	BI	56.3
Csejtey et al, 1978							
Talkeetna Mts.	62 57.4N	148 48.3W	75ACy146	GDI	K	BI	58.6
Csejtey et al, 1978							
Talkeetna Mts.	62 58.5N	148 25.8W	TT-1-72	GDI	K	BI	58.7
Age recalculated from new constant Csejtey et al, 1978; Turner and Smith, 1974							
Talkeetna Mts.	62 59.8N	149 23.8W	75ACy92	ADAM	K	BI	57.8
Csejtey et al, 1978							
Tanacross	63 10.0N	142 06.0W	74ASj114	QMON	K	BI	95.0
6 K20 analyses Foster et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tanacross	63 12.1N	143 12.9W	T-1	UNID	R	BI	120.
Rock is from a biotite gneiss and schist unit Foster, 1970							
Tanacross	63 13.0N	143 03.0W	61AE111	SCH	K	MU	119.
Garnet muscovite quartz schist Foster et al, 1976; Wasserburg et al, 1963; Foster, 1970							
Tanacross	63 13.0N	143 03.0W	63AE111	SCH	R	MU	524.
Garnet muscovite quartz schist Foster, 1970							
Tanacross	63 13.0N	143 03.0W	63AE111	SCH	R	WR	1173.
Garnet muscovite quartz schist Foster, 1970							
Tanacross	63 19.0N	143 30.0W	74ASj139	QMON	K	BI	87.6
Biotite quartz monzonite Foster et al, 1976							
Tanacross	63 20.0N	142 36.0W	HFoster3	GAB	K	HO	132.6
Also sample no. 72128 Foster et al, 1976							
Tanacross	63 24.0N	143 55.0W	74ASj140	GAB	K	BI	65.0
Olivine gabbro Foster et al, 1976							
Tanacross	63 29.0N	141 08.0W	74ASj111	TUFF	K	SA	56.4
Welded tuff; Also sample no. 74AFr364 Foster et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tanacross	63 37.0N	141 10.0W	74ASj110	QMON	K	BI	105.
Biotite quartz monzonite; Also sample no. 74AFr363 Foster et al, 1976							
Tanacross	63 39.0N	141 18.0W	74AFr926	INTR	K	BI	64.1
Hypabyssal intrusive Foster et al, 1976							
Tanacross	63 39.0N	142 15.0W	74ASj144	QMON	K	AM	58.
Foster et al, 1976							
Tanacross	63 39.0N	142 15.0W	74ASj144	QMON	K	BI	65.5
Foster et al, 1976							
Tanacross	63 40.0N	142 15.0W	61AE186	SY	K		66.
Alkali syenite Foster et al, 1976; Wasserburg et al, 1963							
Tanacross	63 40.8N	142 14.8W	3881	SY	A	WI	103.
Mean age of 8 samples of Matzko et al, 1958 Larsen et al, 1958; Matzko et al, 1958; Foster, 1970							
Tanacross	63 40.8N	142 14.8W	3881-B	SY	A	WI	99.
Milepost 29 on Taylor Highway; leucosyenite, treated with 1-1 nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-B	SY	A	WI	104.
Milepost 29 on Taylor Highway; leucosyenite untreated with nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tanacross	63 40.8N	142 14.8W	3881-C	SY	A	#I	93.
Milepost 29 on Taylor Highway: leucosyenite, untreated with nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-C	SY	A	#I	98.
Milepost 29 on Taylor Highway: leucosyenite, treated with conc. nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-C	SY	A	#I	99.
Milepost 29 on Taylor Highway, leucosyenite treated w/ conc. nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-C	SY	A	#I	106.
Milepost 29 on Taylor Highway; leucosyenite, treated with 1-1 nitric acid Matzko et al, 1958; Jaffe et al, 1959; Gottfried et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-E	SY	A	#I	110.
Milepost 29 on Taylor Highway: leucosyenite, untreated with nitric acid Gottfried et al, 1959; Matzko et al, 1958; Jaffe et al, 1959							
Tanacross	63 40.8N	142 14.8W	3881-E	SY	A	#I	112.
Milepost 29 on Taylor Highway; leucosyenite, treated with 1-1 nitric acid Matzko et al, 1958; Gottfried et al, 1959; Jaffe et al, 1959							
Tanacross	63 40.8N	142 14.8W	BB42	GR	K	BI	66.
Mt. Fairplay; approximate location Wasserburg et al, 1963							
Tanacross	63 44.0N	142 21.5W	74AS#143	TUFF	K	SA	91.2
Welded tuff; approximate location Foster et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tanacross	63 44.0N	142 21.5W	74ASj143	TUFF	K	SA	91.6
Welded tuff; approximate location Foster et al, 1976							
Tanacross	63 48.0N	142 43.0W	74ASj104T	SCH	K	BI	101.
6 K20 analyses; staurolite schist Foster et al, 1976							
Tanacross	63 48.0N	142 43.0W	74ASj104T	SCH	K	MU	105.
6 K20 analyses; staurolite schist Foster et al, 1976							
Tanacross	63 49.0N	141 41.0W	74ASj105	AND	K	BI	64.5
Andesite plug Foster et al, 1976							
Tanacross	63 49.0N	141 41.0W	74ASj105	AND	K	HO	67.4
Andesite plug Foster et al, 1976							
Tanacross	63 59.0N	142 09.0W	74ASj113	GDI	K	BI	194.
Foster et al, 1976							
Tanacross	63 59.0N	142 09.0W	74ASj113	GDI	K	HO	191.
Foster et al, 1976							
Tyonek	61 00.5N	152 23.8W	70AR188	Q DI	K	BI	62.6
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min. Age(my)
Tyonek	61 00.5N	152 23.8W	70AR188	Q DI	K HO	64.8
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976						
Tyonek	61 02.0N	152 08.6W	66ALe30	Q DI	K BI	70.9
Reed and Lanphere, 1969,1972; Magoon et al, 1976						
Tyonek	61 02.0N	152 08.6W	66ALe30	Q DI	K HO	72.1
Reed and Lanphere, 1969,1972; Detterman et al, 1976; Magoon et al, 1976						
Tyonek	61 05.0N	152 49.9W	68AR260	Q DI	K BI	58.6
Reed and Lanphere, 1972						
Tyonek	61 05.0N	152 49.9W	68AR260	Q DI	K HO	78.8
Reed and Lanphere, 1972						
Tyonek	61 05.8M	151 28.8W	66AR-1	Q DI	K BI	163.
Stedatna Creek well; depth 7452ft-7459ft Reed and Lanphere, 1969, 1972; Magoon et al, 1976						
Tyonek	61 05.8N	151 28.8W	66AR-1	Q DI	K HO	163.
Stedatna Creek well; depth 7452ft-7459ft Reed and Lanphere, 1972; Magoon et al, 1976						
Tyonek	61 06.1N	152 28.9W	68AR258	Q DI	K BI	60.8
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976						

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tyonek	61 06.1N	152 28.9W	68AR258	Q DI	K	HO	61.9
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976							
Tyonek	61 09.7N	152 05.7W	70AR134	GDI	K	BI	62.9
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976							
Tyonek	61 09.7N	152 05.7W	70AR134	GDI	K	HO	68.6
Reed and Lanphere, 1972; Detterman et al, 1976; Magoon et al, 1976							
Tyonek	61 12.6N	152 23.0W	66ALe29	QMON	K	BI	58.2
Reed and Lanphere, 1969; Magoon et al, 1976							
Tyonek	61 12.7N	152 55.1W	69AR328	QMON	K	BI	52.6
Reed and Lanphere, 1972							
Tyonek	61 13.0N	152 37.1W	66ALe28	Q DI	K	BI	49.2
Reed and Lanphere, 1969							
Tyonek	61 13.0N	152 37.1W	66ALe28	Q DI	K	BI	49.8
Reed and Lanphere, 1969							
Tyonek	61 13.0N	152 37.1W	66ALe28	Q DI	K	HO	61.5
Reed and Lanphere, 1969							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tyonek	61 14.6N	152 30.8W	69AR393	QMON	K	BI	53.1
Reed and Lanphere, 1972							
Tyonek	61 14.6N	152 30.8W	69AR393	QMON	K	HO	63.6
Reed and Lanphere, 1972							
Tyonek	61 15.7N	152 45.8W	69AR330	GDI	K	BI	53.4
Reed and Lanphere, 1972							
Tyonek	61 15.7N	152 45.8W	69AR330	GDI	K	HO	59.2
Reed and Lanphere, 1972							
Tyonek	61 17.5N	152 01.1W	70AR195	QMON	K	BI	57.0
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 18.4N	152 42.2W	70AEr255	GDI	K	BI	58.1
Reed and Lanphere, 1972							
Tyonek	61 18.4N	152 42.2W	70AEr255	GDI	K	HO	57.6
Reed and Lanphere, 1972							
Tyonek	61 19.9N	152 34.6W	70AR191	QMON	K	BI	55.7
Reed and Lanphere, 1972							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tyonek	61 20.5N	152 44.5W	69AR388	Q DI	K	HO	95.6
Reed and Lanphere, 1972							
Tyonek	61 21.9N	152 56.7W	69AR383	QMON	K	BI	60.5
Reed and Lanphere, 1972							
Tyonek	61 24.4N	152 24.7W	70AR208	SY	K	HO	107.
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 25.5N	151 57.3W	70AR200	QMON	K	BI	56.5
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 25.5N	151 57.3W	70AR200	QMON	K	HO	58.7
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 26.4N	152 56.4W	69AR239	QMON	K	BI	60.2
Reed and Lanphere, 1972							
Tyonek	61 26.4N	152 56.4W	69AR239	QMON	K	HO	56.1
Reed and Lanphere, 1972							
Tyonek	61 27.5N	152 38.0W	70AR194	GR	K	BI	56.0
Reed and Lanphere, 1972							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Tyonek	61 27.8N	150 44.6W	60AGz45	GDI	K	HO	72.0
Reed and Lanphere, 1969							
Tyonek	61 29.9N	152 00.8W	70AR199	QMON	K	BI	58.3
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 40.0N	152 05.0W	70AR-8-11	QMON	K	BI	59.0
Reed and Lanphere, 1972; Magoon et al, 1976							
Tyonek	61 42.3N	152 55.4W	69AR207	GDI	K	BI	60.7
Reed and Lanphere, 1972							
Tyonek	61 42.3N	152 55.4W	69AR207	GDI	K	HO	62.6
Reed and Lanphere, 1972							
Tyonek	61 54.1N	152 53.8W	69AR310	QMON	K	BI	65.1
Reed and Lanphere, 1972							
Valdez	61 32.7N	144 37.7W	001(J-8)	TON	K	HO	45.4
Sericitized tonalite Metz, 1975							
Valdez	61 32.7N	144 37.7W	002(J-8)	HFLS	K	HO	43.3
Metz, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Valdez	61 36.1N	145 05.2W	Valdez1	GNS	K	HO	166.
Minimum age on an Amphibole granulite gneiss Hoffman, 1974							
Valdez	61 44.0N	144 02.8W	63ALe14b	GDI	K	BI	157.
Biotite granodiorite clast in Kotsina Conglomerate Grantz et al, 1966; MacKevett et al, 1978							
Valdez	61 44.1N	144 03.0W	63AGz213	DI	K	HO	142.
Porphyritic hornblende microdiorite dike Grantz et al, 1966; MacKevett et al, 1978							
Yakutat	59 00.2N	138 01.5W	68APr77D	GR	K	BI	48.2
Biotite granite; Grand Plateau Glacier pluton Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 08.4N	138 00.2W	68APr78D1	GNST	K	AM	18.5
Mafic greenstone Hudson, Plafker, and Turner, 1977							
Yakutat	59 11.8N	138 12.7W	68APs57F	SCH	K	BI	3.8
Quartzofeldspathic schist Hudson, Plafker, and Turner, 1977							
Yakutat	59 11.8N	138 12.7W	68APs57F	SCH	K	BI	4.1
Quartzofeldspathic schist Hudson, Plafker, and Turner, 1977							
Yakutat	59 20.0N	138 21.0W	68APs64B	GDI	K	BI	24.1
Hornblende granodiorite; Brabazon pluton Hudson, Plafker, and Lanphere, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yakutat	59 22.2N	138 06.6W	68APr84A	SCH	K	BI	23.3
Quartzofeldspathic schist Hudson, Plafker, and Turner, 1977							
Yakutat	59 23.8N	138 24.6W	68APs65B	AMPH	K	AM	65.4
Mafic amphibolite Hudson, Plafker, and Turner, 1977							
Yakutat	59 25.5N	138 00.0W	67APr94C	GR	K	BI	165.
Muscovite biotite granite, some shearing; Alsek River pluton Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 31.8N	138 23.5W	68AMk108	PEG	K	BI	25.3
Biotite albite quartz pegmatite dike in tonalite; Novatak Glacier pluton Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 35.5N	138 46.3W	68APr106A2	SCH	K	BI	30.1
Quartzofeldspathic schist Hudson, Plafker, and Turner, 1977							
Yakutat	59 35.5N	138 46.3W	68APr106B	AMPH	K	AM	47.0
Mafic amphibolite Hudson, Plafker, and Turner, 1977							
Yakutat	59 36.2N	138 04.8W	67APr94D		K	HO	148.
Rock type unknown Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 37.0N	138 31.0W	68APr103B	TON	K	HO	61.0
Hornblende biotite tonalite; Novatak Glacier pluton Hudson, Plafker, and Lanphere, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yakutat	59 45.5N	139 06.2W	67APr42B	GR	K	BI	42.7
Muscovite biotite granite Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 45.5N	139 06.2W	67APr42B	GR	K	MU	48.4
Muscovite biotite granite Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 48.2N	138 53.3W	63APr205	AMPH	K	AM	21.9
Mafic amphibolite Hudson, Plafker, and Turner, 1977							
Yakutat	59 48.7N	138 48.8W	67APr45B	SCH	K	BI	19.4
Quartzofeldspathic gneissic schist Hudson, Plafker, and Turner, 1977							
Yakutat	59 49.3N	138 44.7W	68APr69C	DI	K	HO	136.
Art Lewis Glacier pluton Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 49.6N	139 01.8W	63APr219	AMPH	K	AM	63.8
Mafic amphibolite Hudson, Plafker, and Turner, 1977							
Yakutat	59 49.7N	139 17.0W	69APr23A		K	HO	20.0
Rock type unknown Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 51.1N	138 59.8W	67APr44B	AMPH	K	AM	67.2
Mafic amphibolite Hudson, Plafker, and Turner, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yakutat	59 51.9N	138 45.0W	69APr30B		K	HO	225.
Rock type unknown Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 52.1N	138 58.8W	67APr57B1		K	MU	23.5
Rock type unknown Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 52.8N	139 08.1W	67APr42A	DI	K	HO	51.1
Hornblende diorite; Mt. Stamy pluton Hudson, Plafker, and Lanphere, 1977							
Yakutat	59 56.0N	139 24.0W	63APr196	TON	K	HO	160.
Biotite hornblende tonalite; Marble Point pluton Hudson, Plafker, and Lanphere, 1977							
Yukon Terr.	60 17.3N	140 40.5W	69APr47C1	SCH	K	BI	17.4
Quartzofeldspathic schist Hudson, Plafker, and Turner, 1977							
Yukon Terr.	60 17.3N	140 40.5W	69APr47C2	AMPH	K	AM	23.4
Mafic amphibolite Hudson, Plafker, and Turner, 1977							
Yukon Terr.	60 20.9N	139 50.0W	69APr43B3	SCH	K	AM	51.0
Feldspathic schist Hudson, Plafker, and Turner, 1977							
Yukon Terr.	60 20.9N	139 50.0W	69APr43B3	SCH	K	BI	47.3
Feldspathic schist Hudson, Plafker, and Turner, 1977							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	61 01.0N	138 08.0W	B58'	GDI	K	BI	58.
Biotite granodiorite (Ruby Range Granodiorite Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	61 17.0N	138 07.0W	B140	SCH	K	BI	140.
Plagioclase biotite garnet schist (Kluane Schist) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	61 21.0N	138 03.0W	B176	QMON	K	BI	176.
Biotite quartz monzonite (Ruby Range Granodiorite Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	61 25.0N	138 45.0W	B58	GDI	K	BI	58.
Biotite granodiorite (Ruby Range Granodiorite Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	61 28.0N	138 09.0W	B50.8	QMON	K	BI	50.8
Biotite quartz monzonite (Nisling Range Alaskite Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	61 51.0N	138 31.0W	B67.3	GDI	K	BI	67.3
Hornblende biotite granodiorite (Nisling Range Granodiorite Suite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 00.0N	139 43.0W	B100.8	QMON	K	BI	100.8
Biotite hornblende quartz monzonite (Nisling Range Granodiorite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 01.3N	139 34.2W	B94.4	GDI	K	BI	94.4
Hornblende biotite granodiorite (Nisling Range Granodiorite) Tempelman-Kluit and Wanless, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	62 01.3N	139 34.2W	H94.7	GDI	K	HO	94.7
Hornblende biotite granodiorite (Nisling Range Granodiorite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 03.7N	140 38.7W	B85.2	GDI	K	BI	85.2
Biotite hornblende granodiorite (Nisling Range Granodiorite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 03.7N	140 38.7W	H91.7	GDI	K	HO	91.7
Biotite hornblende granodiorite (Nisling Range Granodiorite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 07.4N	138 36.0W	B55.7	QMON	K	BI	55.7
Porphyritic biotite quartz monzonite (Nisling Range Alaskite Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 17.8N	138 32.8W	B93.8	GDI	K	BI	93.8
Biotite hornblende granodiorite (Klotassin Suite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 17.8N	138 32.8W	H93.0	GDI	K	HO	93.0
Biotite hornblende granodiortie (Klotassin Suite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 25.0N	138 55.8W	W58.4	TUFF	K	WR	58.4
Tuff of intermediate composition (Mt. Nansen group) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 37.1N	138 13.7W	B92.0	QMON	K	BI	92.0
Porphyritic biotite quartz monzonite (Coffee Creek Quartz Monzonite) Templeman-Kluit and Wanless, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	62 40.2N	138 16.3W	B91.5	QMON	K	BI	91.5
Porphyritic biotite quartz monzonite (Coffee Creek Quartz Monzonite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 42.0N	138 22.7W	B93.7	GDI	K	BI	93.7
Hornblende biotite granodiorite (Klotassin Suite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 42.0N	138 22.7W	H92.0	GDI	K	HO	92.0
Hornblende biotite granodiorite (Klotassin Suite) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 42.9N	138 50.8W	B95	GDI	K	BI	95.
Hornblende biotite granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 42.9N	138 50.8W	H99	GDI	K	HO	99.
Hornblende biotite granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG13	PORPH	K	HO	99.3
Approximate location; Klotassin batholith, dike rock Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG151	QMON	K	BI	102.3
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG243	QMON	K	BI	99.9
Approximate location; Klotassin batholith Godwin, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	62 43.0N	138 49.0W	COG261	GNS	K	BI	93.0
Approximate location; Yukon Metamorphic Complex Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG262	GDI	K	BI	100.7
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG262	GDI	K	HO	98.6
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG263	GDI	K	BI	99.7
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG264	QMON	K	BI	104.8
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	COG264	QMON	K	HO	100.3
Approximate location; Klotassin batholith Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	CP-2-69	PORPH	K	BI	71.2
Approximate location; Casino Complex Godwin, 1975							
Yukon Terr.	62 43.0N	138 49.0W	CP-25-69	UNID	K	BI	69.5
Approximate location, secondary biotite from mineralized zone Godwin, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	62 43.0N	138 49.0W	GSC67-45	GDI	K	HO	99.0
Approximate location; Sample FJ67-122-1 of Wanless et al,1970 Godwin, 1975; Wanless et al, 1970							
Yukon Terr.	62 43.0N	138 49.0W	GSC67-46	GDI	K	BI	95.0
Approximate location; Sample FJ67-122-1 of Wanless et al, 1970 Godwin, 1975; Wanless et al, 1970							
Yukon Terr.	62 43.8N	138 37.5W	B137	GDI	K	BI	137.
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 43.8N	138 37.5W	H103	GDI	K	HO	103.
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 44.3N	138 17.3W	H92.0'	GDI	K	HO	92.0
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 44.3N	139 17.3W	B117	GDI	K	BI	117.
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 45.8N	138 30.0W	B89.1	GDI	K	BI	89.1
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 45.8N	139 30.0W	H174	GDI	K	HO	174.
Biotite hornblende granodiorite (Klotassin Suite) Templeman-Kluit and Wanless, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	62 46.8N	138 18.5W	B161	Q DI	K	BI	161.
Biotite muscovite quartz diorite (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 46.8N	138 18.5W	M160	Q DI	K	MU	160.
Biotite muscovite quartz diorite (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 47.5N	138 16.3W	B164	GDI	K	BI	164.
Biotite granodiorite (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 52.8N	138 26.3W	B99.6	QMON	K	BI	99.6
Biotite quartz monzonite (Coffee Creek Quartz Monzonite) Templeman-Kluit and Wanless, 1975							
Yukon Terr.	62 53.5N	138 51.0W	B187	GNS	K	BI	187.
Quartz feldspar biotite hornblende qneiss (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 53.5N	138 51.0W	H181	GNS	K	HO	181.
Quartz feldspar biotite hornblende gneiss (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 55.5N	138 27.3W	B137	SCH	K	BI	137.
Biotite muscovite schist (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	62 55.5N	138 27.3W	M168	SCH	K	MU	168.
Biotite muscovite schist (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							

Table 1. Continued

Quadrangle	Latitude	Longitude	Sample No.	Rock	Meth.	Min.	Age(my)
Yukon Terr.	63 06.8N	139 29.5W	B182	GNS	K	BI	182.
Biotite muscovite granodiorite gneiss (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	63 06.8N	139 29.5W	M178	GNS	K	MU	178.
Biotite muscovite granodiorite gneiss (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	63 47.5N	140 28.0W	B97.6	GNS	K	BI	97.6
Gneissic biotite quartz monzonite (Pelly Gneiss), with K-spar augen Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	63 54.0N	138 52.0W	M138	SCH	K	MU	138.
Quartz muscovite schist (Klodike Schist) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	64 02.0N	140 23.3W	B202	GDI	K	BI	202.
Biotite granodiorite (Pelly Gneiss) Tempelman-Kluit and Wanless, 1975							
Yukon Terr.	64 07.0N	140 48.0W	M175	SCH	K	MU	175.
Quartz muscovite schist (Klondike Schist) Tempelman-Kluit and Wanless, 1975							

Table 2. Explanation of abbreviations used in Table 1.

ROCK TYPES(Rock)

ADAM	Adamellite	GR	Granite	Q DI	Quartz Diorite
AMPH	Amphibolite	GSCH	Greenschist	QMON	Quartz Monzonite
AND	Andesite	HBDT	Hornblendite	RHY	Rhyolite
ASH	Ash	HFLS	Hornfels	SCH	Schist
BAS	Basalt	INTR	Intrusive	SS	Sandstone
BREC	Breccia	LAMP	Lamprophyre	SY	Syenite
DAC	Dacite	MIG	Migmatite	SERP	Serpentinite
DI	Diorite	MON	Monzonite	THER	Theralite
DIA	Diabase	MYLT	Mylonite	TON	Tonalite
GAB	Gabbro	OTHER	Other	TROND	Trondhœmite
GDI	Grandiorite	PEG	Pegmatite	TUFF	Tuff
GNS	Gneiss	PHYL	Phyllite	UNID	Unidentified
GNST	Greenstone	PORPH	Porphyry		

METHODS(Meth.)

A	Pb-alpha	K	K-Ar	R	Rb-Sr
F	Fission-Track	P	Pb-U, Pb-Th, etc.		

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Table 2. Continued

MINERALS(Min.)

AC	Actinolite	MU	Muscovite
AM	Amphibole	PH	Phengite
AP	Apatite	PL	Plagioclase
BI	Biotite	PY	Pyroxene
CH	Chlorite	SA	Sanidine
FD	Feldspar	SE	Sericite
GL	Glass	WR	Whole rock
HO	Hornblende	ZI	Zircon
MI	Mica		

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