

**STATE OF ALASKA**  
**DEPARTMENT OF NATURAL RESOURCES**  
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This report is preliminary and has not been edited or reviewed for conformity with Alaska Division of Geological and Geophysical Surveys standards.

Alaska Open File Report 82  
RADIOMETRIC AGE MAP OF ALASKA -  
SOUTHEASTERN ALASKA  
by  
Frederic H. Wilson and  
Donald L. Turner

# RADIOMETRIC AGE MAP OF ALASKA

by

Frederic H. Wilson<sup>1</sup> and Donald L. Turner<sup>2</sup>

This map includes published, thesis, and open-file radiometric data available to us as of June, 1975. Some dates are not plotted because of inadequate location data in the original references.

The map is divided into five sections, based on 1:1,000,000 scale enlargements of the National Atlas maps of Alaska. Within each section (e.g., southeastern Alaska), radiometric dates are plotted and keyed to 1:250,000 scale quadrangles. Accompanying each map section is table 1, listing map numbers and the sample identification numbers used in DGGGS Special Report 10: Radiometric Dates from Alaska--A 1975 Compilation<sup>3</sup>. The reader is referred to Special Report 10 for more complete information on location, rock type, dating method, and literature references for each age entry. A listing of dates in Special Report 10 which require correction or deletion is included as table 2. Corrected and additional entries are listed in table 3. The listings in tables 2 and 3 follow the format of Special Report 10. Table 4 is a glossary of abbreviations used for quadrangle name, rock type, mineral dated, and type of dating method used.

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1. U.S. Geological Survey, College, AK., 99701.
  2. Geophysical Institute and Geology Dept., Univ. of Alaska, Fairbanks, 99701.
  3. Turner, D.L., Grybeck, D.G., and Wilson, F.H., 1975, Radiometric dates from Alaska---A 1975 compilation, Alaska Div. of Geol. and Geophys. Surveys Spec. Rept. 10. (Available from Alaska DGGGS, Box 80007, College, AK., 99701, \$1.00.)

Table 1. Map numbers and corresponding identification numbers used in Special Report 10; listed by 1:250,000 scale quadrangle - Southeastern Alaska.

CRAIG		JUNEAU (cont.)		PORT ALEXANDER (cont.)	
<u>Map</u>	<u>Compilation</u>	<u>Map</u>	<u>Compilation</u>	<u>Map</u>	<u>Compilation</u>
1	242	2	EN6	5	LK8213
2	DT72-56A	3	MOC	6	LK8214
3	DT72-57A	4	TVC	7	LK8215A
4	DT72-61B	5	WN1	8	LK8216
5	70C-110	6	WN5	9	LK8217
6	DT72-60A	7	58AC0191	10	LK8219
7	DT72-55A	9	CRE	11	LK8219
8	72C-174B	10	CRN	12	62ABD137C
9	DT72-52C			13	62APY157
10	DT72-51A		KETCHIKAN	14	63AB41
11	DT72-59				
12	72C-410				
		<u>Map</u>	<u>Compilation</u>		SITKA
	DIXON ENTRANCE			<u>Map</u>	<u>Compilation</u>
		1	AA147		
<u>Map</u>	<u>Compilation</u>	2	AA148	4	LK8203
		3	KETCHIAR	5	LK82110
1	1D		PETERSBURG	6	LK8218
2	2D			7	57ABG64
3	3D	<u>Map</u>	<u>Compilation</u>	8	57ALY145
4	4D			9	57ALY153E
5	5D			10	57ALY174A
6	6D	1	BB29	11	59AHW294
7	7D			12	59AHW295
8	DT72-58C		PORT ALEXANDER	13	59APY277
				14	60AHW340
	JUNEAU	<u>Map</u>	<u>Compilation</u>	15	61ABD32
<u>Map</u>	<u>Compilation</u>			16	61ABD41B
		1	LK8201	17	61ABD713A
1	EN5	2	LK8202	18	61APY535
		3	LK8211		
		4	LK8212		

SITKA (cont.)

<u>Map</u>	<u>Compilation</u>
19	62ABD332
20	62ALE11
21	62ALE14A
22	62ALE15
23	62ALY201
24	62ALY252

SKAGWAY

<u>Map</u>	<u>Compilation</u>
1	GSC6034
2	GSC6146
3	GSC6147

TAKU RIVER

<u>Map</u>	<u>Compilation</u>
1	EN2
2	EN3
3	EN4
4	PMS1
5	PMS2
6	106
7	54APR106

**Table 2. Errata for Special Report 10. The following entries in Special Report 10 require correction or deletion. See table 3 for corrected entries (entries not found in table 3 have been deleted).**

ADAK	51/58	0N176/34	0W	156E126N	BAS	K	WR	0.00	1	N	ADAK	ISLAND	CAM
ADAK	51/57	5N176/34	0W	155E124N	BAS	K	WR	0.00	2	N	ADAK	ISLAND	CAM
ADAK	51/55	0N176/34	0W	156E118N	AND	K	WR	5.0	4	N	ADAK	ISLAND	CAM
ADAK	51/55	0N176/34	0W	156E118N	AND	K	WR	5.0	5	N	ADAK	ISLAND	CAM
ADAK	51/55	0N176/34	0W	156E118N	AND	K	WR	5.0	6	N	ADAK	ISLAND	CAM
ADAK	51/55	0N176/34	0W	156E118N	AND	K	WR	5.0	7	N	ADAK	ISLAND	CAM
ADAK	51/56	0N176/37	5W	149E119N	AND	K	WR	5.1	10	N	ADAK	ISLAND	CAM
ALEXR	56/42	0N134/53	0W	108E122N	GDI	K	BI	42.0	6KR215C	N	NEAR SEWARD	HY	LOY
ANCH	/	/	/	/	SS	K	BI	146.0	BR2	N	SHEHYA	ISLAND	CLA
ATTU	52/43	6N174/07	3W	225E084N	BAS	K	WR	112.3	3	N	SHEHYA	ISLAND	CAM
ATTU	52/43	0N174/07	0W	225E082N	DAS	K	WR	15.7	6	N	SHEHYA	ISLAND	CAM
PENDE	00/00	0N000/00	0W	000E000N	DAS	K	WR	90.0	AA214	N	LAVA CAMP	MINE	HOK
CANDL	65/41	0N161/31	0W	035E120N	GMON	A	ZI	103.0	61ATG40	N	TOLSTOI	POINT	PTT
CRATG	/	/	/	/	DI	P	ZI	177.0	242	N	NEAR JACK	WADE	MAT
EAGLE	/	/	/	/	SCH	K	MI	179.0	BBR22	N	RAINBOW	MT	WAS
GVLK	63/18	6N145/37	7W	113E064N	GNS	K	BI	81.5	AA95	N	INDIAN	MT	RAG
HUGH	66/01	5N155/55	0W	006E022N	MON	K	HO	81.9	AA97	N	ZANF HILLS	PLUT	MIL
HUGH	66/07	5N155/55	0W	006E022N	MON	K	HO	60.0	1B10	N	CHICKEN	CREEK	MAT
IRITA	62/19	8N157/57	3W	086E056N	QMON	A	ZI	49.5	1S95	N	FLAT	CREEK	MAT
IRITA	/	/	/	/	GMON	A	ZI	49.5	70ARR125	N	GLACIR	CK	FOR
JUNFI	58/41	0N134/00	0W	184E120N	GR	K	BI	56.0	70ARR126	N	GLACIR	CK	REL
KATMI	63/04	8N151/27	2W	124E013N	GDI	K	BI	32.8	70ARR126	N	SHUMAGIN	BATH	REL
KATMI	63/00	3N151/24	9W	126E001N	GDI	K	BI	35.2	70ARR126	N	SHUMAGIN	BATH	REL
KATMI	63/00	3N151/24	9W	125E001N	GDI	K	BI	35.2	8.4	N	BIRCH	CREEK	REL
MCART	/	/	/	/	DI	K	BI	56.0	BB17	N	GLACIR	CK	MAC
MCART	/	/	/	/	DI	K	BI	56.0	BB17	N	GLACIR	CK	MAC
MOLFR	55/00	0N160/00	0W	201E000N	DI	K	MU	64.0	AA77	N	SHUMAGIN	BATH	BUP
MOLFR	55/00	0N160/00	0W	201E000N	DI	K	MU	64.0	AA77	N	SHUMAGIN	BATH	BUP
MOLFR	55/00	0N160/00	0W	201E000N	DI	K	MU	64.0	AA77	N	SHUMAGIN	BATH	BUP
NABFS	00/00	0N000/00	0W	000E000N	GDI	K	BI	112.0	RR25	N	BIRCH	CREEK	CI
NONE	00/00	0N000/00	0W	000E000N	GHS	K	WR	175.0	RR27	N	BIRCH	CREEK	CI
NONE	00/00	0N000/00	0W	000E000N	GHS	K	WR	175.0	RR27	N	BIRCH	CREEK	CI
RUBY	00/00	0N000/00	0W	000E000N	GR	P	ZI	56.0	3469	N	BIRCH	CREEK	CI
RATI	51/21	9N179/20	7E	147E020N	AND	A	ZI	2.7	AA46	N	GLACIR	CK	SAT
RATI	51/26	6N179/14	0E	135E033N	AND	K	HO	2.9	AA47	N	GLACIR	CK	SAT
RATI	51/23	5N179/12	8E	132E025N	BAS	K	WR	10.2	AA48	N	SHUMAGIN	BATH	CAR
RATI	51/36	0N178/48	0E	087E062N	AND	K	WR	12.4	AA49	N	SHUMAGIN	BATH	CAR
RATI	51/38	5N179/02	5E	114E047N	AND	K	WR	13.2	AA50	N	SHUMAGIN	BATH	CAR
RATI	51/31	0N179/02	0E	114E047N	AND	K	WR	14.2	AA51	N	SHUMAGIN	BATH	CAR
RATI	51/23	0N179/25	0E	155E023N	GDI	K	BI	15.3	AA52	N	SHUMAGIN	BATH	CAR
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.0	AA120	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.0	AA120	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.1	AA121	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.1	AA121	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA122	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA122	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA123	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA123	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA124	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA124	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA125	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.2	AA125	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA126	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA126	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA127	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA127	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA128	N	BIRCH	CREEK	COX
SHISE	66/00	0N166/30	0W	107E000N	BAS	K	WR	0.3	AA128	N	BIRCH	CREEK	COX

Table 2. Errata for Special Report 10 (cont.)

SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.48	AAI	130	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.62	AAI	131	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.65	AAI	132	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.67	AAI	133	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.72	AAI	134	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.73	AAI	135	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.79	AAI	136	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.84	AAI	137	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.85	AAI	138	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.85	AAI	139	COX
SHI	66/00	ONI	66/30	OW	107F000N	RAS	K	WR	0.91	AAI	140	COX
SHI	66/00	ONI	65/39	OW	107E000N	RAS	K	WR	0.93	AAI	141	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	1.51	AAI	142	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	1.54	AAI	143	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	1.65	AAI	144	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	1.66	AAI	145	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	3.27	AAI	150	COX
SHI	66/00	ONI	66/30	OW	107E000N	RAS	K	WR	03.	BBR	332	LAP
SHITKA	57/11	ONI	35/49	OW	080E033N	OMON	P	ZI	150.	BBR	333	LAP
SHITKA	57/47	ONI	34/57	OW	144E137N	OMON	P	ZI	151.	BBR	334	LAP
SHITKA	57/47	ONI	35/13	OW	133E137N	OMON	P	ZI	49.	BBR	335	LAP
SHITKA	58/44	ONI	33/59	OW	007E129N	OMON	P	ZI	49.	BBR	336	LAP
SHITKA	58/44	ONI	33/59	OW	007E129N	OMON	P	ZI	49.	BBR	337	LAP
SHITKA	58/44	ONI	34/00	OW	000E117N	OMON	P	ZI	52.	BBR	338	LAP
SHITKA	58/44	ONI	33/57	OW	011E129N	OMON	P	ZI	57.	BBR	339	LAP
SHITKA	58/44	ONI	33/53	OW	010E129N	OMON	P	ZI	57.	BBR	340	LAP
SHITKA	61/15	ONI	52/62	OW	026E052N	OMON	P	ZI	59.	BBR	341	LAP
SHITKA	61/40	ONI	52/05	OW	078E114N	OMON	P	ZI		BBR	342	LAP

10 MI N TENAKE  
5 TENAKE INLET  
10 MI N TENAKE

Table 3. Corrected and Additional entries to Special Report 10.

ADAK	51/58	0M176/34	0W	156E126N	PAS	K	WR	0.00	ADAK1	ISLAND	CAM
ADAK	51/57	0M176/34	0W	155E124N	PAS	K	WR	0.00	ADAK2	ISLAND	CAM
ADAK	51/55	0M176/34	0W	156E118N	AND	K	WR	5.	ADAK4	ISLAND	CAM
ADAK	51/55	0M176/34	0W	156E118N	AND	K	WR	5.	ADAK5	ISLAND	CAM
ADAK	51/55	0M176/34	0W	156E118N	AND	K	WR	5.	ADAK6	ISLAND	CAM
ADAK	51/56	0M176/37	5W	149E119N	AND	K	WR	5.10	ADAK7	ISLAND	CAM
ALEXR	56/42	0M134/53	0W	109E122N	GDI	K	PT	42.	ADAK10	ISLAND	CAM
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	GP	2547N	LKR215C	LOC.	LOY
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	GP	2549.	A-1	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	GP	234.	A-1	APPROX LOC.	TUR
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	GP	2571.	A-1	APPROX LOC.	TUR
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	IC	213.	A-1	APPROX LOC.	TUR
AMRR	67/12	2M156/46	5W	151E036N	SCH	K	PA	213.	A-2	PAPAGONITE-ACT.	TUR
AMRR	67/12	2M156/46	5W	151E036N	SCH	K	IC	270.	A-2	PARAGONITE-ACT.	TUR
AMRR	67/12	2M156/46	5W	151E036N	SCH	K	GP	1290.	A-2	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	164E040N	SCH	K	PA	216.	A-3	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	164E040N	SCH	K	GP	1429.	A-3	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	164E040N	SCH	K	IC	1290.	A-3	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	164E040N	SCH	K	IC	213.	A-3	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	GP	1333.	A-3	GLAUCOPHANE	TUR
AMRR	67/13	5M156/44	0W	151E040N	SCH	K	IC	1290.	C-2	GLAUCOPHANE	TUR
AMRR	61/04	8M149/50	8W	013E015N	ES	K	HO	146.	C-2	GLAUCOPHANE	TUR
ANCH	52/43	0M174/07	3E	225E084N	PAS	K	WR	12.	BRZ	GLAUCOPHANE	TUR
ATTU	52/43	0M174/07	0E	225E082N	PAS	K	WR	15.	ATTU3	GLAUCOPHANE	TUR
BENDE	65/52	0M162/13	0W	139E162N	PAS	K	WR	15.7	ATTU6	GLAUCOPHANE	TUR
CAPAL	65/41	0M161/31	0W	135E170N	GMON	K	ZI	90.	AHP66	GLAUCOPHANE	TUR
CAPMN	59/59	0M165/37	0W	208E172N	PAS	K	WR	0.27	61ATG40	GLAUCOPHANE	TUR
CAPMN	59/56	0M165/32	0W	216E166N	PAS	K	WR	0.33	A71	GLAUCOPHANE	TUR
CAPMN	59/57	0M165/51	0W	177E172N	PAS	K	WR	0.35	A74	GLAUCOPHANE	TUR
CAPMN	59/52	0M166/10	0W	172E167N	PAS	K	WR	0.14	A78	GLAUCOPHANE	TUR
CAPMN	59/59	0M165/22	0W	163E172N	PAS	K	WR	0.03	A114	GLAUCOPHANE	TUR
CRAIG	55/09	0M132/42	5W	197E026N	SCH	K	AW	450.	A125	GLAUCOPHANE	TUR
CRAIG	55/09	0M132/40	5W	203E026N	AND	K	AW	450.	DI72-51A	GLAUCOPHANE	TUR
CRAIG	55/15	0M132/39	0W	203E024N	HFLS	K	AW	141.	DI72-52A	GLAUCOPHANE	TUR
CRAIG	55/17	0M132/33	0W	213E050N	GDI	K	AW	101.	DI72-56A	GLAUCOPHANE	TUR
CRAIG	55/16	0M132/35	0W	210E046N	GDI	K	AW	103.	DI72-57A	GLAUCOPHANE	TUR
CRAIG	55/07	0M132/27	0W	228E020N	DJ	K	HO	102.	DI72-59	GLAUCOPHANE	TUR
CRAIG	55/12	0M132/31	0W	216E035N	HFLS	K	HO	215.	DI72-60A	GLAUCOPHANE	TUR
CRAIG	55/15	0M132/37	0W	206E044N	GDI	K	HO	101.	DI72-61B	GLAUCOPHANE	TUR
CRAIG	55/10	0M132/23	5W	222E0107N	DJ	K	ZI	103.	242	GLAUCOPHANE	TUR
CRAIG	55/10	0M132/34	0W	212E029N	GDI	K	ZI	105.	70C110	GLAUCOPHANE	TUR
CRAIG	55/10	0M132/36	0W	212E026N	GDI	K	HO	103.	70C110	GLAUCOPHANE	TUR
CRAIG	55/11	0M132/37	0W	206E032N	SCH	K	HO	450.	72C-174B	GLAUCOPHANE	TUR
CRAIG	55/12	0M132/20	0W	234E035N	SCH	K	HO	355.	72C-410	GLAUCOPHANE	TUR
CRAIG	55/15	0M132/21	0W	179E163N	GDI	K	HO	421.	DI72-58C	GLAUCOPHANE	TUR
DIXON	64/09	0M141/27	2W	195E027N	SCH	K	HO	177.	RRR	MINIMUM AGE	WAS
EAGLE	63/18	0M145/37	7W	113E064N	GNS	K	HO	147.	AA222	NEAR JACK WADE	RAG
HAYES	62/21	7M157/57	3W	084E063N	GMON	K	BI	60.	1910	RAINROW MT	MAT
INDIA	62/23	7M157/59	2W	081E064N	GMON	K	ZI	49.	1895	CHICKEN CREEK	MAT
INDIA	62/23	7M157/59	2W	081E064N	GMON	K	ZI	49.		FLAT CREEK	MAT

MEAN OF 2

TOLSTOI POINT

MINIMUM AGE  
NEAR JACK WADE  
RAINROW MT  
CHICKEN CREEK  
FLAT CREEK

Table 3. Corrected and additional entries to Special Report 10. (cont.)

MCART	61/23	3N142/06	0W	162E068N	GDI	K	BI	8.4	BA17	GLACIR CK	GLAC	MAC
MCART	61/23	3N142/06	0W	162E068N	GDI	K	BI	8.4	BA17	GLACIR CK	GLAC	MAC
MCKIN	61/04	3N151/27	2W	124E007N	GR I	K	HO	56.1	70AR125			REL
MCKIN	63/00	3N151/24	9W	127E000N	GDI	K	BI	32.8	70AR126			REL
MCKIN	63/00	3N151/24	9W	127E001N	GDI	K	BI	32.8	70AR126			REL
MOLFR	55/03	3N160/02	5W	196E004N	DI	K	MU	56.	405M	SHUMAGIN BATH		BUR
MOLFR	55/06	3N160/01	7W	198E020N	DI	K	MU	57.	406B	SHUMAGIN BATH		BUR
MOLFR	55/06	3N160/01	7W	198E020N	DI	K	MU	64.	406M	SHUMAGIN B-4		RCT
NARFS	00/00	0M000/00	0W	000E000N	GDI	K	WR	112.	BB25	NARFSNA		COX
NUNVK	60/13	0N167/28	0W	048E038N	RAS	K	WR	4.1	A1			COX
NUNVK	60/14	0N167/28	0W	048E038N	RAS	K	WR	4.14	A2			COX
NUNVK	60/13	0N167/26	0W	050E038N	RAS	K	WR	4.04	A3			COX
NUNVK	60/13	0N167/06	0W	082E038N	RAS	K	WR	4.84	AR			COX
NUNVK	60/13	0N166/57	0W	092E038N	RAS	K	WR	4.88	AR			COX
NUNVK	60/13	0N166/57	0W	092E038N	RAS	K	WR	4.83	A12			COX
NUNVK	60/13	0N166/57	0W	092E038N	RAS	K	WR	5.06	A15			COX
NUNVK	60/13	0N166/57	0W	092E038N	RAS	K	WR	4.8R	A17			COX
NUNVK	60/12	0N166/55	0W	095E038N	RAS	K	WR	4.16	A19			COX
NUNVK	60/20	0N166/42	0W	113E059N	RAS	K	WR	1.91	A23			COX
NUNVK	60/22	0N166/20	0W	146E061N	RAS	K	WR	0.93	A41			COX
NUNVK	60/23	0N166/24	0W	139E063N	RAS	K	WR	0.85	A45			COX
NUNVK	60/21	0N165/06	0W	168E063N	RAS	K	WR	0.79	A46			COX
NUNVK	60/22	0N166/05	0W	170E061N	RAS	K	WR	0.84	A48			COX
NUNVK	60/21	0N166/04	0W	171E055N	RAS	K	WR	0.85	A48			COX
NUNVK	60/19	0N166/01	0W	174E057N	RAS	K	WR	0.85	A50			COX
NUNVK	60/20	0N165/57	0W	181E053N	RAS	K	WR	1.65	A51			COX
NUNVK	60/16	0N165/40	0W	191E042N	RAS	K	WR	1.54	A57			COX
NUNVK	60/16	0N165/40	0W	191E042N	RAS	K	WR	1.54	A57A			COX
NUNVK	60/13	0N165/41	0W	202E036N	RAS	K	WR	0.62	A59A			COX
NUNVK	60/12	0N165/40	0W	204E036N	RAS	K	WR	0.73	A61			COX
NUNVK	60/04	0N165/40	0W	204E032N	RAS	K	WR	0.29	A69			COX
NUNVK	60/01	0N165/38	0W	207E003N	RAS	K	WR	0.48	A70			COX
NUNVK	60/01	0N166/04	0W	171E003N	RAS	K	WR	0.34	A86			COX
NUNVK	60/02	0N166/05	0W	169E006N	RAS	K	WR	0.22	A91			COX
NUNVK	60/01	0N166/44	0W	111E003N	RAS	K	WR	0.17	A96			COX
NUNVK	60/01	0N166/16	0W	153E003N	RAS	K	WR	0.67	A97			COX
NUNVK	60/01	0N166/19	0W	149E003N	RAS	K	WR	0.72	A101			COX
NUNVK	60/00	0N166/20	0W	177E000N	RAS	K	WR	0.06	A102			COX
NUNVK	60/00	0N166/14	0W	154E000N	RAS	K	WR	0.65	A108			COX
NUNVK	60/01	0N166/43	0W	112E002N	RAS	K	WR	0.09	A126			COX
RATIS	51/31	0N179/02	0E	114E047N	AND	K	AV	14.1	69AMC2			CAR
RATIS	51/23	0N179/25	0E	155E023N	GDI	K	BI	15.8	69AMC11			CAR
RATIS	51/26	0N179/14	0E	135E033N	AND	K	WR	18.9	69AMC12			CAR
RATIS	51/36	0N178/48	0E	087E062N	AND	K	WR	12.4	69AMC15			CAR
RATIS	51/28	5N179/02	5E	114E040N	AND	K	WR	13.2	69AMC17			CAR
RATIS	51/23	5N179/12	5E	132E025N	AND	K	WR	10.2	WJC-1-67			CAR
RUBY	64/29	5N155/19	0W	059E087N	GP	K	HO	48.	WJC-17A-66			MAT
RUBY	64/29	5N155/19	0W	059E087N	GP	A	ZI	54.	3469			MAT
RUBY	64/29	5N155/19	0W	059E087N	GP	A	ZI	53.	3469			MAT
RUBY	64/29	5N155/19	0W	059E087N	GP	A	ZI	56.	3469			MAT

NANWAKSJI AK CR  
NANWAKSJI AK CR

DIKE

DIKE

MEAN AGE  
BIRCH CREEK



Table 3. Corrected and additional entries for Special Report 10 (cont.)

SURVY	67/17	7N155/56	5W	005E052N	SCH	K	BI	95.4	72R211	TUR
SURVY	67/05	0N155/55	0W	006E015N	SCH	K	AC	289.1	72F10ARGH	TUR
SURVY	67/05	0N155/55	0W	006E015N	SCH	K	AC	287.1	72F10ARGH	TUR
SURVY	67/05	0N155/55	0W	006E015N	SCH	K	IC	213.1	72F10ARGH	TUR
TAKUJ	5R/44	0N133/55	0W	007E120N	GMON	K	WR	51.9	EN2	FOR
TAKUJ	5R/44	0N133/55	0W	007E120N	GMON	K	WR	45.9	EN3	FOR
TAKUJ	5R/41	0N134/00	0W	000E120N	GMON	K	RI	49.6	EN4	FOR
TAKUJ	5R/44	0N133/53	0W	011E129N	GMON	K	BI	48.7	PMS1	FOR
TAKUJ	5R/44	0N133/53	0W	010E129N	GMON	K	BI	52.8	PMS2	FOR
IYNFK	61/18	4N152/42	2W	026E052N	GDI	K	RI	58.1	70AER255	REL
IYNFK	61/18	4N152/42	2W	026E052N	GDI	K	HO	57.6	70AER255	REL
IYNEK	61/40	0N152/05	0W	028E114N	GMON	K	BI	59.1	70AR8-11	REL
										PARAGONITE-ACT.

Table 4. Compilation glossary.

QUADRANGLE		UNALAKLEET	UNLAK
ADAK	ADAK	VALDEZ	VALDZ
PORT ALEXANDER	ALEXP	WISEMAN	WISE
AMBLER RIVER	AMBRI		
ANCHORAGE	ANCH		
ATKA	ATKA		
ATTU	ATTU		
BAIRD MTS	BAIRD		
BENDELEBEN	BENDE		
BETTLES	BETLE		
BIG DELTA	BIG D		
CANDLE	CANDL		
CAPE MENDENHALL	CAPMN		
CHANDALAR	CHAND		
CIRCLE	CIRCL		
LAKE CLARK	CLARK		
CRAIG	CRAIG		
DIXON ENTRANCE	DIXON		
EAGLE	EAGLE		
FAIRBANKS	FAIR		
MCGRATH	GRATH		
GULKANA	GULK		
MT. HAYES	HAYES		
HEALY	HEALY		
HOOPER BAY	HOOPR		
HUGHES	HUGHS		
IDITAROD	IDITA		
ELIAMNA	ELIAM		
JUNEAU	JUNEU		
MT. KATMAI	KATMI		
KENAI	KENAI		
KETCHIKAN	KETCH		
ST. LAWRENCE	LAWRC		
LIME HILLS	LIME		
LIVENGOOD	LIVEN		
MCCARTHY	MCART		
MT. MCKINLEY	MCKIN		
MDFRA	MDFRA		
MT. MICHELSON(S)	MICHL		
PORT MOLLER	MOLER		
NABESNA	NABES		
NAKNEK	NKNEK		
NOME	NOME		
NUNIVAK	NUNVK		
(OFFSHORE)	OFFSH		
PRIPILOF ISLANDS	PRIPI		
PETERSBURG	PTSBG		
RAT ISLANDS	RATIS		
RUBY	RUBY		
SELDOVIA	SELD		
SELAWIK	SELWK		
SEWARD	SEWRD		
SHISMAREF	SHISF		
SHUNGNAK	SHUNG		
SITKA	SITKA		
SKAGWAY	SKAG		
SOLOMON	SOLMN		
SURVEY PASS	SURVY		
TAKU RIVER	TAKU		
TALKEETNA	TALK		
TALKEETNA MOUNTAINS	TALKM		
TANACROSS	TANAC		
TANANA	TANAN		
TFULLER	TELER		
TESHEKPUK	TESHE		
TYONEK	TYNEK		
UGASHIK	UGSHK		
UMNAK	UMNAK		

  

DATE TYPE	
PP-ALPHA	A
FTSSTON-TRACK	F
K-AR	K
PP-U.PB-TH. ETC.	P
RR-SR	R

  

MINERAL DATED	
ACTINOLITE	AC
AMPHIBOLE	AM
APATITE	AP
ANORTHOCLASE	AW
BTOTITE	BT
CHLORITE	CH
CROSSITE	CR
FELDSPAR	FD
GLASS	GL
GLAUCOPHANE	GP
HORNBLENDF	HO
ISOCHRON	IC
MTCA	MT
MUSCOVITE	MU
PARAGONITE	PA
PHENGITE	PH
PLAGIOCLASE	PL
PYROXENE	PY
RYEBECKITE	RI
SANIDINE	SA
SERICITE	SE
SPHENE	SP
WHOLE ROCK	WR
ZIRCON	ZI

  

ROCK TYPES	
ADAM	ADAMELLITE
AGNS	AUGEN GNEISS
ALSK	ALASKITE
AMPH	AMPHIBOLITE
AND	ANDESITE
ANOR	ANORTHOBSITE
APL	APLITE
BAS	BASALT
BIOT	BIOTITITE
DAC	DACITE
DI	DIORITE
DIA	DIABASE
DUN	DUNITE
ECLG	ECLOGITE
FELS	FELSITE
GAB	GABBRO
GDI	GRANODIORITE
GLASS	GLASS
GNT	GRANULITE
GNS	GNEISS
GNST	GREENSTONE
GR	GRANITE
GRTO	GRAINTOID
GSCH	GREENSCHIST

Table 4. Compilation glossary (cont.)

HBDT	HORNBLENDITE	Q DT	QUARTZ DIORITE
HFLS	HORNFLS	Q GAB	QUARTZ GABRO
<del>INTR</del>	<del>INTRUSIVE</del>	<del>Q LAT</del>	<del>QUARTZ LATITE</del>
LAMP	LAMPROPHYRE	Q MON	QUARTZ MONZONITE
LAT	LATITE	RHY	RHYOLITE
LTON	LEUCOTONALITE	SCH	SCHIST
MALIG	MALIGNITE	SS	SANDSTONE
META	METAPELITE	SY	SYENITE
MIG	MIGMATITE	THER	THERALITE
MON	MONZONITE	TON	TONALITE
MYLT	MYLONITE	TRCH	TRACHYTE
PEG	PEGMATITE	TROND	TRONDHJEMITE
PERD	PERIDOTITE	TUFF	TUFF
PHYL	PHYLLITE	UMAF	ULTRAMAFIC
PYRX	PYROXENITE	VOL	VOLCANIC
Q BAS	QUARTZ BASALT		

REFERENCES FOR SPECIAL REPORT 10 AND OPEN-FILE REPORTS 82-86.

BERG, H. C. 1970. GSA ABSTRACTS W/PROGRAMS. V 2. NO. 2. P. 70  
 BIGGAP, M. (1973). UNPUBL. M.S. THESIS, UNIV. OF ALASKA  
 BINGHAM, D. K. & STONE, P. B. 1972. P. ASTROM. SOC. GEOPHYS. JOUR. V. 28. P. 317-328  
 PROSGF, W. P. & REISER, H. N. (1971). U.S.G.S. OPEN FILE MAP 479  
 PROSGF, W. P., LANPHERE, M. A., REISER, H. N. & CHAPMAN, R. M. (1969). U.S.G.S.  
 CONT. PULL 1294-B BRI-818.  
 PROSGF, W. P. & REISER, H. N. (1964). U.S.G.S. MISC. GEOL. INV. MAP I-375  
 PROSGF, W. P. & TAILLEUR, I. L. (1970). GEOL. SEM. ON NORTH SLOPE, ALASKA  
 CONT. PALO ALTO CALIF. PROC. L.A. CA.  
 BREW, D. A. & MUFFLER, L. J. P. (1965). GSA SPEC. PAPER 87 P196.  
 BURK, C. A. (1965). GSA MEM. 99 P. 1-3  
 CAMERON, C. P., STONE, D. S. (1970). UNIV OF AK. GEOPHYS INST REPT. UAG R-213  
 CARR, W. J., QUINN LIVAN, W. D., GARD, L. M. JR. (1970). U.S.G.S. BULL. 1324A P. 16-22  
 CHAPMAN, R. M., ETAL. 1971. U.S.G.S. OPEN FILE. PRELIM. GEOL. MAP. LIVEN. QUAD  
 CLARK, S. H. B., & ARTSCH, J. R. (1971). U.S.G.S. OPEN FILE REPT. 484  
 COX, A. & DALRYMPLE, G. B. 1967. EARTH & PLANET. SCI. LETT. V. 3. P. 173-77  
 CEJTEY, R. J. ETAL. 1971. U.S.G.S. PROF. PAP. 750-D. P. 058-076.  
 CEJTEY, R. J. ETAL. 1974. U.S.G.S. OPEN FILE REPT. 74-147  
 COX, A. 1966. AM. GEOPHYS. UNION TRANS. V. 47. NO. 1. P. 78  
 DALRYMPLE, G. B. ETAL. 1971. EARTH & PLANET. SCI. LETT. V. 2. P. 167-173  
 DENTON, G. H. ETAL. 1969. AM. JOUR. SCI. V. 267. P. 1121-1142  
 DETTERMAN, R. L. ETAL. 1965. U.S.G.S. PROF. PAP. 525-D. P. D16-D21  
 EVERNDEN, J. F. ETAL. 1961. GEOPHYS. COSMOCHIM. ACTA. V. 23. P. 78-99  
 FORRES, P. B. & LANPHERE, M. A. 1973. JOUR. GEOPHYS. RES. V. 73. NO. 8. P. 1383-86  
 FORRES, P. B. & ENGELS, J. C. 1970. G.S.A. BULL. V. 81. P. 579-584  
 FOSTER, H. L. 1967. U.S.G.S. PROF. PAP. 575-D. P. D120-D122  
 GRANTZ, A. D. ETAL. 1968. U.S.G.S. PROF. PAP. 550-C. P. C39-C47  
 GRANTZ, A. D. ETAL. 1963. U.S.G.S. PROF. PAP. 475-B. P. 56-59  
 HERFID, G. & TURNER, D. L. 1975. AOF-32. AK. DIV. OF GEOL. & GEOPH. SUR.  
 HOARE, J. M. ETAL. 1968. G.S.A. MEM. 116. P. 377-413  
 HOARE, J. M. & CONDON, H. H. 1958. U.S.G.S. MISC. GEOL. INVEST. MAP I-523  
 HOPKINS, D. M. ETAL. 1971. PALAEOGEOG. PALAEOCLIM. PALAEOECOL. V. 9. P. 211-231  
 HOLMES, G. W. 1966. U.S.G.S. BULL. 1181-H. P. 83  
 HOLM, R. 1973. UNPUBL. M.S. THESIS, UNIV. OF ALASKA. FRKS.  
 COX, A., HOPKINS, D. M., DALRYMPLE, G. B. 1966. G.S.A. BULL. V. 77. NO. 9. P. 883-909  
 HOARE, J. M. & CONDON, H. H. 1966. U.S.G.S. MISC. GEOL. INV. MAP I-469  
 HOLMES, G. W. & FOSTER, H. L. 1968. U.S.G.S. BULL. 1249. 49 PAGES  
 IRVING, T. M. 1967. ULTRAMAFIC RELATED ROCKS. P. J. WYLLIE (ED). P. 84-97  
 LANPHERE, M. A. 1966. U.S.G.S. PROF. PAP. 550-D. P. D195-D198  
 LANPHERE, M. A. ETAL. 1965. U.S.G.S. PROF. PAP. 525-B. P. B108-B111  
 LANPHERE, M. A. ETAL. 1964. SCIENCE. V. 145. NO. 3633. P. 705-707  
 LONFEN, J. A. 1961. CAN. GEOL. SURV. DEPT. MINES & TECH. SUR. PAP. 61-17. P. 5-12  
 LONFY, R. A. ETAL. 1967. G.S.A. BULL. V. 78. P. 511-526  
 LONFEN, J. A. 1963. CAN. GEOL. SURV. DEPT. MINES & TECH. SUR. PAP. 62-17. P. 5-12  
 MACKEVETT, E. M. JR. 1970. U.S.G.S. BULL. 1333. P. 27  
 MATZKO, J. J. ETAL. 1959. AM. JOUR. SCI. V. 256. P. 529-539  
 MCKELVEY, V. E. 1969. U.S.G.S. PROF. PAP. 400A. P. A69  
 MILLER, T. P. 1970. U.S.G.S. ALASKA OPEN-FILE RPT. 454  
 MILLER, T. P. ETAL. 1972. U.S.G.S. ALASKA OPEN-FILE RPT. 537  
 MILLER, T. P. ETAL. 1966. U.S.G.S. PROF. PAP. 550-D. P. D158-D162  
 MILLER, T. P. 1972. G.S.A. BULL. V. 83. P. 2111-2128  
 PATTON, W. W. JR. & CEJTEY, R. J. 1971. U.S.G.S. PROF. PAP. 684-C. P. C6  
 PATTON, W. W. JR. & MILLER, T. P. 1973. U.S.G.S. MISC. FIELD STUD. MAP MF-492  
 PECORA, W. T. 1965. U.S.G.S. PROF. PAP. 525-A. P. A92, A101, A102, A149  
 PATTON, W. W. JR. & MILLER, T. P. 1968. U.S.G.S. MISC. GEOL. INV. MAP I-530  
 PATTON, W. W. JR. & MILLER, T. P. 1966. U.S.G.S. MISC. GEOL. INV. MAP I-459  
 PATTON, W. W. JR. 1957. U.S.G.S. MISC. GEOL. INV. MAP I-492  
 RAGAN, D. M. & HAWKINS, J. W. JR. 1968. G.S.A. BULL. V. 77. P. 597-604  
 RICHTER, D. H. 1972. U.S.G.S. OPEN-FILE RPT. (ALASKA) NO. 509  
 REED, B. L. 1968. U.S.G.S. BULL. 1236. P. 96  
 REED, B. L., LANPHERE, M. A. 1969. G.S.A. BULL. V. 80. P. 23-44  
 REISER, H. N. ETAL. 1969. U.S.G.S. PROF. PAP. 525-C. P. C69-C71  
 REED, B. L. & LANPHERE, M. A. 1972. U.S.G.S. MISC. FIELD STUD. MAP MF-372  
 HICKMAN, R. G. 1974. UNPUBLISHED DISSERTATION, UNIV. OF WISCONSIN. CITED BY PER.  
 RICHTER, D. H. 1970. U.S.G.S. PROF. PAP. 700-C. P. C98-C102  
 REED, B. L. & LANPHERE, M. A. 1974. G.S.A. BULL. V. 85. P. 1893-1892.  
 SAINSBURY, C. L. ETAL. 1970. U.S.G.S. PROF. PAP. 700-B. P. B33-B42  
 ALSO SEE GISLIOGRAPHY OF ALASKAN GEOLOGY 1969-1971. SAINSBURY, ETAL.  
 SAINSBURY, C. L. 1977. U.S.G.S. ALASKA OPEN-FILE NO. 411  
 SAINSBURY, C. L. 1969. U.S.G.S. BULL. 1237. 101 P.  
 SMITH, T. I., LANPHERE, M. A. 1971. ISCHONIA WEST. NO. 2. P. 17-20  
 TURNER, D. L., FORRES, P. B., & FESSE, C. W. SCIENCE. 1973. V. 182. P. 579-581  
 HARTMAN, D. C. 1974. AK. DIV. OF GEOL. & GEOPH. SUR. ANNUAL REPT. 1973. P. 27-30  
 TURNER, D. L. & SMITH, T. I. (1974). AK. OPEN FILE 72. DIV. OF GEOL. & GEOPH. SUR  
 WAHRHAFTIG, C. J. 1970. U.S.G.S. QUAD. MAP. G0-806  
 WAHRHAFTIG, C. J. ETAL. 1969. U.S.G.S. BULL. 1274-D. P. D25  
 WASSERBURG, G. J. ETAL. 1963. G.S.A. SPEC. PAP. 73. P. 253-259