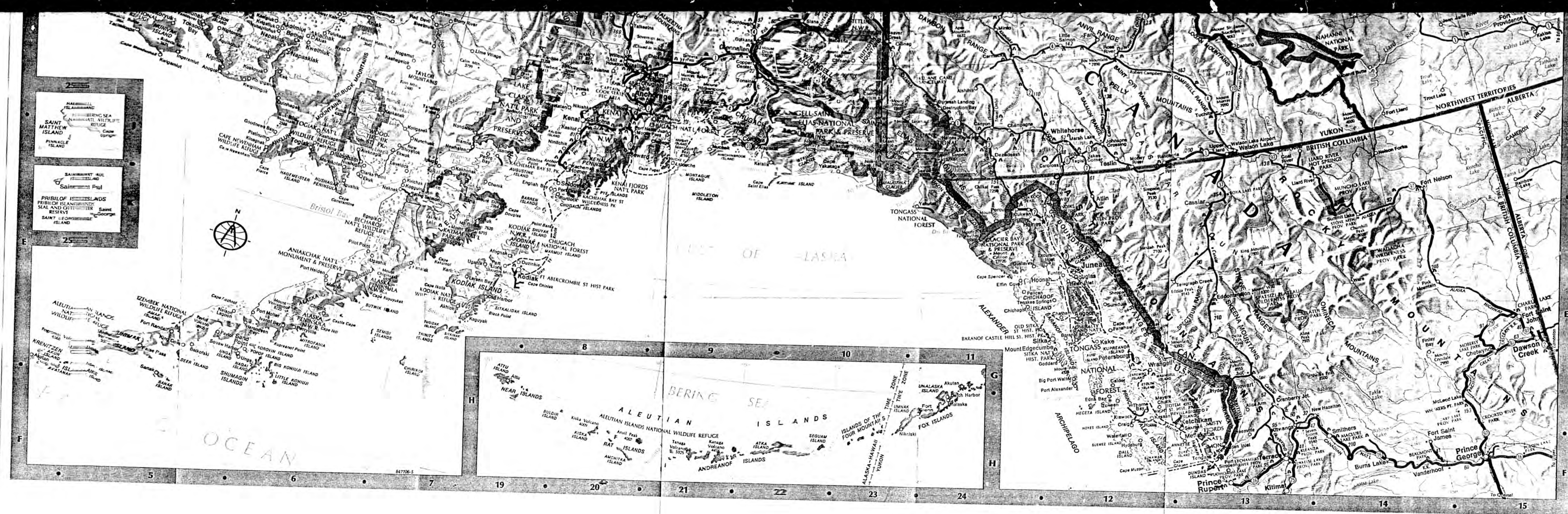
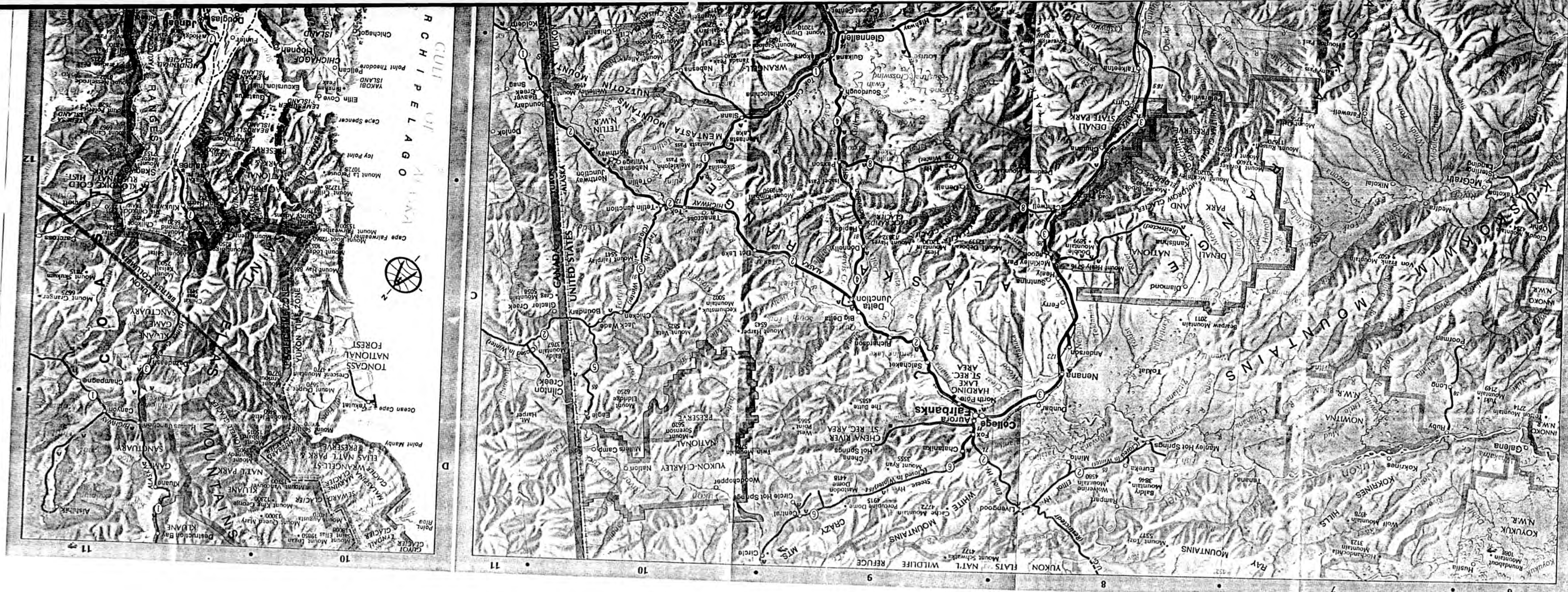


ALASKA LEGISLATURE SPECIAL COMMITTEE / SUBJECT FILES 8672

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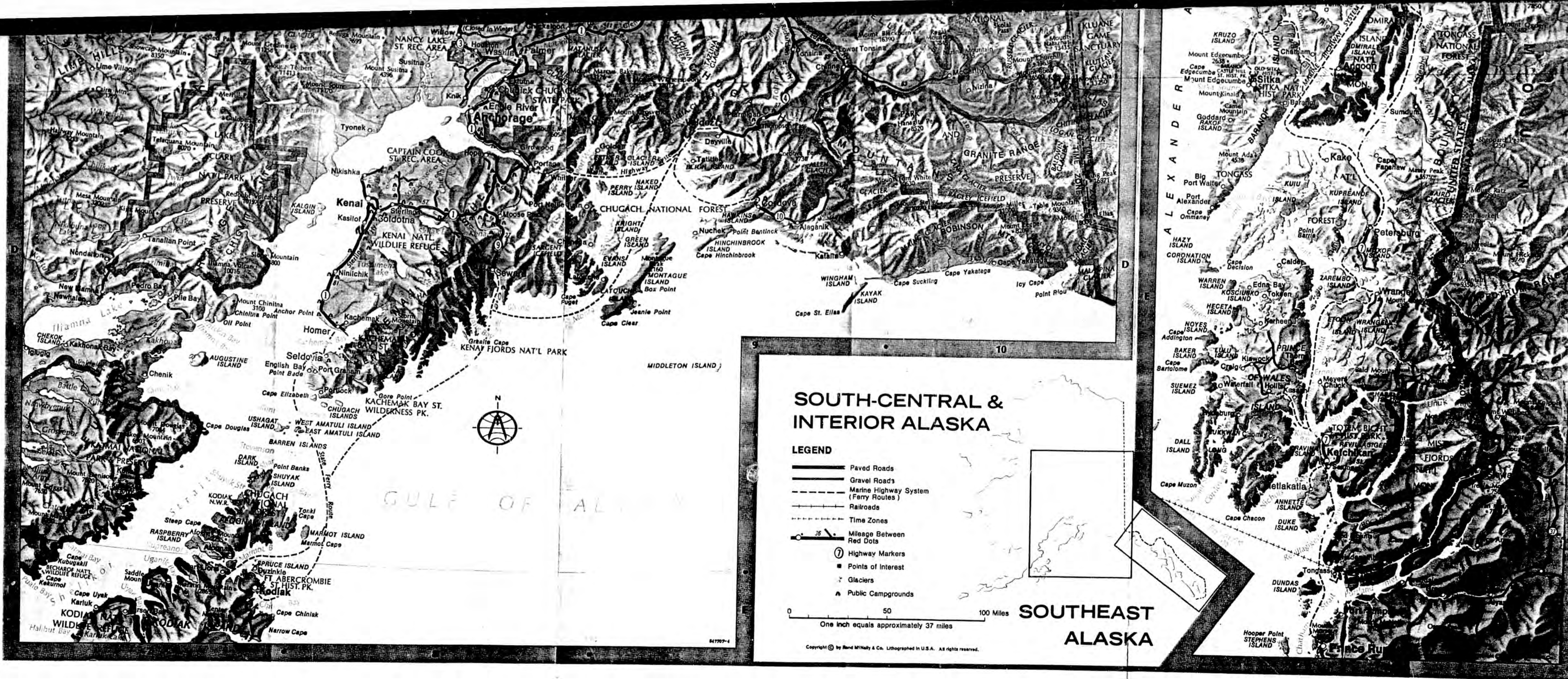
As you travel our roads, our waterways, our airways and our trails, take time to look around you and enjoy the moment. For in this fast-changing world, Alaska remains much as it was. Alaska is the place folks had in mind when they invented getting away from it all.

Climb our mountains, but keep them free of debris. Fish our streams, but leave fish for others. Sail our waters, but leave them unpolluted. Help keep our Great Land unspoiled.

When you are once again home, you will find that the Alaska experience continues to grow, and grow, and you'll not be satisfied until you return once more.

And then you'll begin to understand the real Alaska, not only a great state, but a great state of mind as well.

Bill Sheffield
Bill Sheffield
Governor of Alaska



ATTACHMENTS

ATTACHMENTS

- A-1 Alaska Population Estimates for Places by Name, 1980, 1983, 1984 (Source: State of Alaska, Department of Labor, Alaska Population Overview (1985) at 70-77 ("Population Overview")).
- A-2 Alaska Population Estimates for Boroughs and Places by Size, 1980, 1983, 1984 (Source: Population Overview at 63-69).
- A-3 1980 Census Areas in Alaska (Source: State of Alaska, Department of Health and Social Services, Alaska Vital Statistics, Annual Report 1983 (1985) at ix).
- A-4 Alaska Population by Region (Source: State of Alaska, Department of Commerce and Economic Development, The Alaska Economic and Statistical Review (1984) at 20 ("Economic and Statistical Review")).
- A-5 Resident Population of Alaska by Census Areas, 1971-1983 and Components of Population Change by Census Areas, 1970-1980 and 1980-1983 (Source: Economic and Statistical Review at 23-24); Population Change for Boroughs and Census Areas (Source: Population Overview at 44).
- A-6 Alaska Components of Growth 1945-46 to 1983-84 (Source: Population Overview at 12).
- A-7 Map of Native Languages (Source: Alaska Native Language Center, University of Alaska, reprinted in Alaska Geographic, Alaska's Native People (1979)).
- A-8 Population Characteristics by Census Area, 1980 Census (Source: Economic and Statistical Review at 21).

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
THE STATE OF ALASKA	523,048	495,290	401851
ADAK STATION (CDP)	3169	3050	3315
AKHIOK CITY	107	105	105
AKIACHAK CITY	378	378	438
AKIAK CITY	277	254 *	198
AKUTAN CITY	185	177	169
ALAKANUK CITY	461	494	522
ALEKNAGIK CITY	201	184	154
ALLAKAKET CITY	175	175 *	163
AMBLER CITY	262	275 *	192
ANAKTUVUK PASS CITY	233	228 *	203
ANCHOR POINT (CDP)	317	310	226
ANCHORAGE CITY	243829	227246	174431
ANDERSON CITY	468	496	517
ANGoon CITY	470	465	465
ANIAK CITY	476	458 *	341
ANNETTE (CDP)	143	139	139
ANVIK CITY	82	95	114
ARCTIC VILLAGE (CDP)	109	110	111
ATKA (CDP)	80	77	93
ATMAUTLUK CITY	261	237 *	219
ATQASUK CITY 10/	214	231 *	107
ATTU (CDP)	29	24	29
BARROW CITY 11/	2943	2912	2267
BEAVER (CDP)	65	65	66
BETHEL CITY	3681	3442	3576
BIG DELTA (CDP)	294	292	285
BIG HORN (CDP)	401	402	360
BIG LAKE (CDP)	684	556	410
BIRCH CREEK (CDP)	31	32	32
BODENBURG BUTTE (CDP)	1649	1341	988
BREVIG MISSION CITY	151	146	138
BUCKLAND CITY	249	218 *	177
CAMPION STATION (CDP)	61	61	62
CANTWELL (CDP)	87	88	89
CAPE LISBURN (CDP)	36	35	36
CAPE NEMENHAM (CDP)	15	15	43
CAPE POLE (CDP)	30	29	29
CENTRAL (CDP)	35	36	36
CHALKYITSIK (CDP)	98	99	100
CHEFORMAK CITY	268	266 *	230
CHEVAK CITY	532	526 *	466
CHICKEN (CDP)	38	38	37
CHIGNIK (CDP) 4/	141	124 *	178
CHIGNIK LAGOON (CDP)	46	53	48

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
CHIGNIK LAKE (CDP)	153	153	138
CHISTOCHINA (CDP)	43	45	55
CHITINA (CDP)	33	34	42
CHUATHBALUK CITY	98	92	105
CIRCLE (CDP)	101	108	81
CLAM GULCH (CDP)	141	122	58
CLARK'S POINT CITY	75	67	79
CLOVER PASS (CDP)	561	552	451
COFFMAN COVE (CDP)	199	193	193
COLD BAY (CDP) 1/	246	237	228
COLLEGE (CDP)	4498	4518	4843
COOPER CENTER (CDP)	219	173	213
COOPER LANDING (CDP)	346	306	116
CORDOVA CITY	2100	2166	1879
CRAIG CITY	881	936 *	527
CROOKED CREEK (CDP)	75	89	108
DEADHORSE (CDP)	63	62	64
DEERING CITY	150	165	150
DELTA JUNCTION CITY	1163	1121	945
DILLINGHAM CITY	2004	1896 *	1563
DIOMEDE CITY	153	139	139
DOT LAKE (CDP)	69	69	67
DUNBAR (CDP)	49	50	50
EAGLE CITY	171	132	110
EAGLE VILLAGE (CDP)	56	55	54
EEK CITY	259	261 *	228
EGEGIK (CDP)	72	83	75
EIELSON AFB (CDP)	7837	7178	5232
EKWOK CITY	80	73	77
ELFIN COVE (CDP)	20	20	28
ELIM CITY	248	198	211
EMMONAK CITY	559	529	567
ENGLISH BAY (CDP)	172	152	124
ESTER (CDP)	166	167	149
EVANSVILLE (CDP)	92	93	94
EYAK (CDP)	37	38	47
FAIRBANKS CITY	27103	26629 *	22645
FALSE PASS (CDP)	76	58	70
FORT GREELY (CDP)	1832	1894	1635
FORT YUKON CITY	665	638 *	619
FOX (CDP)	137	137	123
FRITZ CREEK (CDP)	1414	1218	302
GAKONA (CDP)	70	87	87
GALENA CITY	894	867 *	765
GAMBELL CITY	498	484	445
GLENNALLEN (CDP)	477	457	511
GOLOVIN CITY	122	110	87
GOODNEWS BAY CITY	230	211 *	168
GRAYLING CITY	220	217	209
GULKANA (CDP)	82	85	104

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
GUSTAVUS (CDP)	218	405	98
HAINES CITY	1154	1116	993
HALIBUT COVE (CDP)	52	52	47
HARDING LAKE (CDP)	42	42	38
HEALY (CDP)	327	331	334
HEALY LAKE (CDP)	34	34	33
HERRING COVE (CDP)	123	121	99
HOLY CROSS CITY	191	206	241
HOMER CITY	3373 **	3114	2209
HOONAH CITY	803	877 *	660
HOOPER BAY CITY	676	666	627
HOPE (CDP)	195	166	103
HOUSTON CITY	668	598 *	370
HUGHES CITY	97	91	73
HUSLIA CITY	283	236	188
HYDABURG CITY	371	415 *	298
HYDER (CDP)	79	77	77
IGIUEIG (CDP)	32	37	33
ILIAPNA (CDP)	90	104	94
INDIAN MOUNTAIN (CDP)	26	27	27
IVANOF BAY (CDP)	38	44	40
JAKOLOF BAY (CDP)	84	87	36
JUNEAU CITY	23729	23809	19528
KACHENAK CITY 6/	320 **	302	403
KAKE CITY	574	574	555
KAKTOVIK CITY	207	203 *	165
KALIFONSKY (CDP)	295	258	92
KALTAG CITY	262	256 *	247
KARLUK (CDP)	90	92	96
KASAM CITY	70	70	25
KASIGLUK CITY 3/	355	397 *	342
KASILOF (CDP)	567	491	201
KENAI CITY	6072 **	5626	4324
KETCHIKAN CITY	7633	7598 *	7198
KETCHIKAN EAST (CDP)	482	473	387
KIANA C. Y	482	364 *	345
KING COAL CITY	521	536 *	460
KING SALMON (CDP)	434	494	545
KIPNUK (CDP)	350	350	371
KIVALINA CITY	294	269 *	241
KLAMOCK CITY	532	527 *	318
KLUKWAN (CDP)	239	166	135
KOBUK CITY	97	85 *	62
KODIAK CITY	6869	5964	4756
KODIAK STATION (CDP)	2420	2346	1370
KOKHONOK (CDP)	80	92	83
KOLIGANEK (CDP)	112	130	117
KONGIGANAK (CDP)	166	198	239
KOTLIK CITY	412	408 *	293
KOTZEBUE CITY	2345	2237	2054

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
KOYUK CITY	211	206	188
KOYUKUK CITY	98	98	98
KUPREANOF CITY	51	50	47
KWETHLUK CITY	509	503 *	454
KWIGILLINGOK (CDP)	246	293	354
LARSEN BAY CITY	214	196	168
LEVELOK (CDP)	76	88	79
LINE VILLAGE (CDP)	33	40	40
LOWER KALSKAG CITY	270	239 *	246
LOWER TONSINA (CDP)	32	33	40
MANLEY HOT SPRINGS (CDP)	99	99	61
MANOKSIK CITY	382	381	375
MARSHALL CITY (FORTUNA LEDGE)	281	276 *	262
MCGRATH CITY	499	511	355
MCKINLEY PARK (CDP)	59	60	60
MEKORYUK CITY	182	192 *	160
MENTASTA LAKE (CDP)	72	76	59
METLAKATLA (CDP)	1089	1089	1056
MEYERS CREEK (CDP)	52	50	50
MINTO (CDP)	153	168	153
MONTANA (CDP)	67	54	40
MOOSE CREEK (CDP)	567	570	510
MOOSE PASS (CDP)	143	226	76
MOUNTAIN POINT (CDP)	493	484	396
MOUNTAIN VILLAGE CITY	610	667 *	583
MURPHY DOME (CDP)	80	80	72
NAKNEK (CDP)	485	390	318
NAPAKIAK CITY	319	306 *	262
NAPASKIAK CITY	289	257 *	244
NELSON LAGOON (CDP)	64	49	59
NENANA CITY	544	580 *	470
NEW STUYAHOK CITY	246	262	331
NEWHALEN CITY	157	124 *	87
NEWTOK CITY (PT.)	187	170 *	131
NEWTOK CITY (PT.)	0	0	0
NIGHTMUTE CITY	134	144 *	119
NIKISHNA (CDP)	1009	919	1109
NIKOLAI CITY	109	114	91
NIKOLSKI (CDP)	54	41	50
NINILCHIK (CDP)	427	483	341
NORTAK (CDP)	355	365	273
NOME CITY 9/	3184	3102	2381
NONDALTON CITY	231	200 *	173
NOORVIK CITY	517	522	492
NORTH POLE CITY	1085	979	724
NORTH TONGASS HIGHWAY (CDP)	2144	2106	1722
NORTH WHALE PASS (CDP)	93	90	90
NORTHWAY (CDP)	75	75	73
NORTHWAY VILLAGE (CDP)	116	115	112
NUIGSUT CITY	385	324 *	288

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
NULATO CITY	388	382 *	350
NUNAPITCHUK CITY 3/	296	258	299
OLD HARBOR CITY	485	378 *	340
OSCARVILLE (CDP)	39	46	56
OUZINKIE CITY	240	236	173
PALMER CITY	2772	2657	2141
PAXSON (CDP)	24	24	30
PEDRO BAY (CDP)	32	37	33
PELICAN CITY	206	213 *	180
PENNOCK ISLAND (CDP)	112	110	90
PERKINSVILLE (CDP)	25	23	33
PERRYVILLE (CDP)	107	101	111
PETERSBURG CITY	3137	3013	2821
PILOT POINT (CDP)	63	73	66
PILOT STATION CITY	372	404 *	325
PITKAS POINT (CDP)	67	90	88
PLATINUM CITY	64	59 *	55
POINT BAKER (CDP)	93	90	90
POINT HOPE CITY	582	570 *	464
POINT LAY (CDP)	67	66	68
PORT ALEXANDER CITY	162	96	86
PORT CLARENCE (CDP)	22	21	29
PORT GRAHAM (CDP)	174	160	161
PORT HEIDEN CITY	87	93	92
PORT LIONS CITY	301	296	215
PORTAGE CREEK (CDP)	46	53	48
PORTLOCK (CDP)	0	0	31
PRUDHOE BAY (CDP)	49	48	50
QUINHAGAK CITY	424	474 *	412
RAMPART (CDP)	49	50	50
RED DEVIL (CDP)	27	32	39
RUBY CITY	283	233 *	197
RUSSIAN MISSION CITY	195	188	169
SALAMATOF (CDP)	694	651	334
SALCHA (CDP)	355	356	319
SAND POINT CITY	870	989 *	625
SAVOONBA CITY	470	438	491
SAXMAN CITY	285	284 *	273
SAXMAN EAST (CDP)	512	503	411
SCANNON BAY CITY	296	286	250
SELAWIK CITY 7/	635	599 *	535
SELDOVIA CITY	435 **	578	479
SEWARD CITY	2030 **	1925	1843
SHAGELUK CITY	148	141 *	131
SHANTOOLIK CITY	186	178	164
SHELDON POINT CITY	135	100	103
SHEMYA STATION (CDP)	576	521	600
SHISHMARF CITY	493	446	394
SHUNGNAK CITY	238	241 *	202
SITKA CITY	7611	7665	7803

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
SKAGWAY CITY	761	811	768
SLANA (CDP)	39	40	49
SLEETMUTE (CDP)	74	89	107
SOLDOTNA CITY	3538 **	3258	2320
SOUTH NAKNEK (CDP)	185	178	145
SPARREVOHN STATION (CDP)	28	28	26
ST. GEORGE (CDP) 2/	172	152	158
ST. MARY'S CITY 13/	566	541 *	382
ST. MICHAEL CITY	279	274	239
ST. PAUL CITY	541	528	551
STEBBINS CITY	327	331	331
STERLING (CDP)	1538	1328	919
STEVENS VILLAGE (CDP)	94	95	96
STONY RIVER (CDP)	43	51	62
SUNTRANA (CDP)	55	56	56
SUTTON (CDP)	384	247	182
TAKOTNA (CDP)	47	48	48
TALKEETNA (CDP)	441	358	264
TANACROSS (CDP)	148	148	117
TANANA CITY	444	447 *	388
TATALINA STATION (CDP)	45	46	46
TATITLEK (CDP)	54	55	68
TAZLINA (CDP)	24	25	31
TELIDA (CDP)	32	33	33

TABLE IV.3 ALASKA POPULATION ESTIMATES FOR PLACES BY PLACE NAME, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
TELLER CITY	257	267	212
TENAKEE SPRINGS CITY	156	144 *	138
TETLIN (CDP)	110	110	107
THORNE BAY (CDP) 12/	392	354	320
TOGIAK CITY	554	531	470
TOK (CDP)	600	604	589
TOKSOOK BAY CITY	365	365	333
TONSINA (CDP)	106	110	135
TULUNSAK CITY	272	272 *	236
TUNTUTULIAK (CDP)	203	199	216
TUNUNAK CITY	333	327 *	290
TWIN HILLS (CDP)	67	78	70
TWO RIVERS (CDP)	399	401	359
TYONEK (CDP)	302	335	239
UNALAKLEET CITY	784	763	623
UNALASKA CITY	1630	1677	1322
UPPER KALSKAG CITY	145	139	129
USIBELLI MINE (CDP)	52	53	53
VALDEZ CITY	3687	3665	3079
VENETIE (CDP)	129	131	132
WAINWRIGHT CITY	507	483 *	405
WALES CITY	136	131	133
WASILLA CITY	3459	2828	1559
WHITE MOUNTAIN CITY	150	144	125
WHITTIER CITY	260	263 *	190
WILLOW (CDP)	232	189	139
WRANGELL CITY	2376	2361	2184
YAKUTAT CITY	453	440	449

Alaska Department of Labor, Research & Analysis, Demographic Unit, 1985.

Footnotes

- 1/ Cold Bay was not incorporated until 1982. The 1980 figure represents Cold Bay as a "Census Designated Place."
- 2/ Saint George was not incorporated until 1983. The 1980 figure represents Saint George as a "Census Designated Place."
- 3/ In 1980, Nunapitchuk and Kasigluk were not incorporated and were known by the single name of Akolmiut.
- 4/ Chignik was not incorporated until 1983. The 1980 figure represents Chignik as a "Census Designated Place."
- 5/ The Eielson Air Force Reservation was annexed to the Fairbanks-North Star Borough in early 1983. Its population is included in the Borough total. Prior to this year Eielson's population needed to be subtracted from the Borough's total to obtain the Borough population for its legal boundaries. Historically, most population figures included Eielson as if it were part of the Borough.
- 6/ In 1980, it appears that the U.S. Bureau of the Census incorrectly defined the boundary of the city of Kachemak and counted people who were actually outside of Kachemak as part of Kachemak's population.
- 7/ 535 is a corrected 1980 census figure for Selawik. The original, incorrect number released by the U.S. Bureau of the Census was 361.
- 8/ Subsequent to the 1980 census, the Kodiak Island Borough annexed the Kodiak Island Coast Guard Station. Both the 1980 and 1983 figures reflect the presence of the Coast Guard Station population in the total borough population.
- 9/ In 1982, Nome annexed the unincorporated "place" of Icy View, which had 210 residents. Further in 1980, the U.S. Bureau of the Census used boundaries for Nome that were later expanded legally. The 1983 figure for Nome reflects both the population of Icy View and the expanded boundaries.
- 10/ Atkasuk was not incorporated until 1983. The 1980 figure represents Atkasuk as a "Census Designated Place."
- 11/ 2,267 is a corrected 1980 Census figure for the city of Barrow. The original, incorrect number of 2,207 released by the U.S. Bureau of the Census reflected a mis-allocation of 60 persons into an area outside of the city of Barrow.
- 12/ Thorne Bay was not an incorporated city in 1980, it was a "Census Designated Place" with a population of 377, which is the figure shown for 1980. Thorne Bay incorporated in 1982.
- 13/ St. Mary's population increase is partially due to an annexation in 1981 of Andreafsky into the incorporated city.
- * Indicates a census conducted in accordance with procedures contained in *Standards for Conducting a Census in Small Alaskan Cities*.
- ** Indicates a census conducted in accordance with procedures contained in *Alaska Census Administrator's Manual* and *Alaska Census Enumerator's Manual*.

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
THE STATE OF ALASKA	523848	495290	401851
BOROUGH AND CENSUS AREAS			
ANCHORAGE BOROUGH	243829	227246	174431
FAIRBANKS NORTH STAR BOROUGH 5/	64186	63150	53983
KENAI PENINSULA BOROUGH	38285 **	35137	25282
MATANUSKA-SUSITNA BOROUGH	29836	24734	17816
JUNEAU BOROUGH	23729	23809	19528
KETCHIKAN GATEWAY BOROUGH	12785	12584 *	11316
KODIAK ISLAND BOROUGH	12381	12226	9939
BETHEL CENSUS AREA	11446	11240	10999
VALDEZ-CORDOVA CENSUS AREA	8730	8774	8348
YUKON-KOYUKUK CENSUS AREA	8519	8507	7873
ALEUTIAN ISLANDS CENSUS AREA	8255	8040	7768
NOME CENSUS AREA	7888	7581	6537
SITKA BOROUGH	7611	7665	7803
WRANGELL-PETERSBURG CENSUS AREA	6625	6660	6167
SOUTHEAST FAIRBANKS CENSUS AREA	6275	6237	5676
KOBUK CENSUS AREA	5684	5484	4831
NORTH SLOPE BOROUGH	5367	5318	4199
WADE HAMPTON CENSUS AREA	5185	5203	4665
DILLINGHAM CENSUS AREA	5171	5072	4616
PRINCE OF WALES-OUTER KETCHIKAN C.A.	4652	4638	3822
SKAGWAY-YAKUTAT-ANGMOON CENSUS AREA	3716	3791	3478
HAINES BOROUGH	1839	1819	1680
BRISTOL BAY BOROUGH	1134	1167	1694
PLACES			
ANCHORAGE CITY	243829	227246	174431
FAIRBANKS CITY	27103	26629 *	22645
JUNEAU CITY	23729	23809	19528
EIELSON AFB (CDP)	7837	7178	5232
KETCHIKAN CITY	7633	7598 *	7198
SITKA CITY	7611	7665	7803
KENAI CITY	6072 **	5626	4324
KODIAK CITY	6069	5964	4756
COLLEGE (CDP)	4498	4518	4043
VALDEZ CITY	3687	3665	3079
BETHEL CITY	3681	3442	3576
SOLDOTNA CITY	3538 **	3258	2320
WASILLA CITY	3459	2828	1559
HOMER CITY	3373 **	3114	2209
NOME CITY 9/	3184	3102	2301

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
ADAK STATION (CDP)	3169	3050	3315
PETERSBURG CITY	3137	3013	2821
BARROW CITY 11/	2943	2912	2267
PALMER CITY	2772	2657	2141
KODIAK STATION (CDP)	2420	2346	1370
WRANGELL CITY	2376	2361	2184
KOTZEBUE CITY	2345	2237	2054
NORTH TONGASS HIGHWAY (CDP)	2144	2106	1722
CORDOVA CITY	2100	2166	1879
SEWARD CITY	2038 **	1925	1843
DILLINGHAM CITY	2004	1896 *	1563
FORT GREELY (CDP)	1832	1894	1635
BODENBURG BUTTE (CDP)	1649	1341	988
UNALASKA CITY	1630	1677	1322
STERLING (CDP)	1530	1328	919
FRITZ CREEK (CDP)	1414	1218	302
DELTA JUNCTION CITY	1163	1121	945
HAINE CITY	1154	1116	993
METLAKATLA (CDP)	1089	1057	1056
NIKISHKA (CDP)	1009	919	1109
NORTH POLE CITY	1005	979	724
GALENA CITY	894	867 *	765
CRAIG CITY	881	936 *	527
SAND POINT CITY	870	889 *	625
HOONAH CITY	803	877 *	680
UNALAKLEET CITY	784	763	623
SKAGWAY CITY	761	811	768
SALAMATOF (CDP)	694	651	334
BIG LAKE (CDP)	684	556	410
HOOPER BAY CITY	678	666	627
HOUSTON CITY	668	598 *	370
FORT YUKON CITY	665	638 *	619
SELAWIK CITY 7/	635	599 *	535
MOUNTAIN VILLAGE CITY	610	667 *	583
TOK (CDP)	608	604	589
POINT HOPE CITY	582 *	570 *	464
SHEENYA STATION (CDP)	576	521	600
KAKE CITY	574	574	555
MOOSE CREEK (CDP)	567	570	510
KASILOF (CDP)	567	491	201
ST. MARY'S CITY 13/	566	541 *	382
CLOVER PASS (CDP)	561	552	451
EMMONAK CITY	559	529	567
TOGIAK CITY	554	531	470
3 NENANA CITY	544	580 *	470
ST. PAUL CITY	541	528	551
CHEVAK CITY	532	526 *	466
KLANOCK CITY	532	527 *	318
KING COVE CITY	521	536 *	460
NOORVIK CITY	517	522	492

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
SAXMAN EAST (CDP)	512	503	411
KWETHLUK CITY	509	503 *	454
WAINWRIGHT CITY	507	483 *	405
MCGRATH CITY	499	517 *	355
GAMBELL CITY	498	484	445
MOUNTAIN POINT (CDP)	493	484	396
SHISHMARF CITY	493	446	394
KETCHIKAN EAST (CDP)	482	473	387
GLENNALLEN (CDP)	477	457	511
ANIAK CITY	476	458 *	341
ANGOOK CITY	470	465	465
SAVOONGA CITY	470	438	491
ANDERSON CITY	468	496	517
ALAKANUK CITY	461	494	522
YAKUTAT CITY	453	440	449
TANANA CITY	444	447 *	388
TALKEETNA (CDP)	441	358	264
SELDOVIA CITY	435 **	578	479
KING SALMON (CDP)	434	494	545
NINILCHIK (CDP)	427	403	341
QUINHAGAK CITY	424	474 *	412
KOTLIK CITY	412	408 *	293
NAKNEK (CDP)	405	390	318
OLD HARBOR CITY	405	378 *	340
KIANA CITY	402	364 *	345
BIG HORN (CDP)	401	402	360
TWO RIVERS (CDP)	399	401	359
THORNE BAY (CDP) 12/	392	354	320
MULATO CITY	388	382 *	350
AKIACHAK CITY	378	378	438
PILOT STATION CITY	372	404 *	325
HYDABURG CITY	371	415 *	298
TOKSOOK BAY CITY	365	365	333
NOATAK (CDP)	355	365	273
KASIGLUK CITY 3/	355	397 *	342
SALCHA (CDP)	355	356	319
KIPNUK (CDP)	350	350	371
COOPER LANDING (CDP)	346	306	116
TUNUNAK CITY	333	327 *	298
HEALY (CDP)	327	331	334
STEBBINS CITY	327	331	331
KACHENAK CITY 6/	320 **	302	403
NAPAKIAK CITY	319	306 *	262
ANCHOR POINT (CDP)	317	310	226
NUQSUT CITY	305	324 *	200
SUTTON (CDP)	304	247	182
TYONEK (CDP)	302	335	239
MANOKOTAK CITY	302	301	294
PORT LIONS CITY	301	296	215
SCAMMON BAY CITY	296	286	250
NUNAPITCHUK CITY 3/	296	258	299

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
KALIFONSKY (CDP)	295	258	92
KIVALINA CITY	294	269 *	241
BIG DELTA (CDP)	294	292	285
NAPASKIAK CITY	289	257 *	244
SAXMAN CITY	285	284 *	273
RUBY CITY	283	233 *	197
HUSLIA CITY	283	236	188
MARSHALL CITY (FORTUNA LEDGE)	281	276 *	262
ST. MICHAEL CITY	279	274	239
AKIAK CITY	277	254 *	198
TULUKSAK CITY	272	272 *	236
LOWER KALSKAG CITY	270	259 *	246
CHEFORMAK CITY	268	266 *	230
WHITTIER CITY	268	263 *	198
KALTAG CITY	262	256 *	247
AMBLER CITY	262	275 *	192
ATMAUTLUAK CITY	261	237 *	219
EEK CITY	259	261 *	228
TELLER CITY	257	267	212
BUCKLAND CITY	249	218 *	177
ELIM CITY	248	198	211
KWIGILLINGOK (CDP)	246	293	354
COLD BAY (CDP) 1/	246	237	228
NEW STUYAHOK CITY	246	262	331
OUZINKIE CITY	240	236	173
KLUKWAN (CDP)	239	166	135
SHUNGNAK CITY	238	241 *	202
ANAKTUVUK PASS CITY	233	228 *	203
WILLOW (CDP)	232	189	139
MONDALTON CITY	231	200 *	173
GOODNEWS BAY CITY	230	211 *	168
GRAYLING CITY	220	217	209
COOPER CENTER (CDP)	219	173	213
GUSTAVUS (CDP)	218	185	98
LARSEN BAY CITY	214	196	168
ATQASUK CITY 10/	214	231 *	107
KOYUK CITY	211	206	188
KAKTOVIK CITY	207	203 *	165
PELICAN CITY	206	213 *	188
TUNTUTULIAK (CDP)	203	199	216
ALEKNAGIK CITY	201	184	154
COFFMAN COVE (CDP)	199	193	193
HOPE (CDP)	195	166	103
RUSSIAN MISSION CITY	195	188	169
HOLY CROSS CITY	191	206	241
NEWTOK CITY (PT.)	187	170 *	131
SHAKTOOLIK CITY	186	178	164
SOUTH NAKNEK (CDP)	185	178	145
AKUTAN CITY	185	177	169
MEKORYUK CITY	182	192 *	160

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
ALLAKAKET CITY	175	175 *	163
PORT GRAHAM (CDP)	174	160	161
ENGLISH BAY (CDP)	172	152	124
ST. GEORGE (CDP) 2/	172	152	158
EAGLE CITY	171	132	110
KONGIGANAK (CDP)	166	198	239
ESTER (CDP)	166	167	149
PORT ALEXANDER CITY	162	96	86
NEWHALEN CITY	157	124 *	87
TENAKEE SPRINGS CITY	156	144 *	138
MINTO (CDP)	153	168	153
DIONEDE CITY	153	139	139
CHIGNIK LAKE (CDP)	153	153	138
BREVIS MISSION CITY	151	146	138
DEERING CITY	150	165	150
WHITE MOUNTAIN CITY	150	144	125
SHAGELUK CITY	148	141 *	131
TANACROSS (CDP)	148	148	117
UPPER KALSKAG CITY	145	139	129
ANNETTE (CDP)	143	139	139
MOOSE PASS (CDP)	143	226	76
CLAM GULCH (CDP)	141	122	50
CHIGNIK (CDP) 4/	141	124 *	178
FOX (CDP)	137	137	123
WALES CITY	136	131	133
SHELDON POINT CITY	135	100	103
NIGHTMUTE CITY	134	144 *	119
VENETIE (CDP)	129	131	132
HERRING COVE (CDP)	123	121	99
GOLVIN CITY	122	110	87
NORTHWAY VILLAGE (CDP)	116	115	112
PENNOCK ISLAND (CDP)	112	110	90
KOLIGANEX (CDP)	112	130	117
TETLIN (CDP)	110	110	107
ARCTIC VILLAGE (CDP)	109	110	111
NIKOLAI CITY	109	114	91
AKHTON CITY	107	105	105
PERRYVILLE (CDP)	107	101	111
TONSINA (CDP)	106	110	135
CIRCLE (CDP)	101	108	81
MANLEY HOT SPRINGS (CDP)	99	99	61
KOYUKUK CITY	98	98	98
CHALKYITSIK (CDP)	98	99	100
CHUATHBALUK CITY	98	92	105
HUGHES CITY	97	91	73
KOBUK CITY	97	85 *	62
STEVENS VILLAGE (CDP)	94	95	96
POINT BAKER (CDP)	93	90	90
NORTH WHALE PASS (CDP)	93	90	90
EVANSVILLE (CDP)	92	93	94

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
KARLUK (CDP)	90	92	96
ILIAPANA (CDP)	90	104	94
CANTWELL (CDP)	87	88	89
PORT HEIDEN CITY	87	93	92
JAKOLOF BAY (CDP)	84	87	36
ANVIK CITY	82	95	114
GULKANA (CDP)	82	85	104
MURPHY DOME (CDP)	80	80	72
ATKA (CDP)	80	77	93
EKMOK CITY	80	73	77
KOKHANOK (CDP)	80	92	83
HYDER (CDP)	79	77	77
FALSE PASS (CDP)	76	58	70
LEVELOK (CDP)	76	88	79
CROOKED CREEK (CDP)	75	89	104
NORTHWAY (CDP)	75	75	73
CLARK'S POINT CITY	75	67	79
SLEETHUTE (CDP)	74	89	107
MENTASTA LAKE (CDP)	72	76	59
EGEBIK (CDP)	72	83	75
KASAM CITY	70	70	25
BAKUNA (CDP)	70	87	87
DOT LAKE (CDP)	69	69	67
POINT LAY (CDP)	67	66	68
MONTANA (CDP)	67	54	40
TWIN HILLS (CDP)	67	78	70
PITKAS POINT (CDP)	67	90	88
BEAVER (CDP)	65	65	66
PLATINUM CITY	64	59 *	55
NELSON LAGOON (CDP)	64	49	59
DEADHORSE (CDP)	63	62	64
PILOT POINT (CDP)	63	73	66
CAMPION STATION (CDP)	61	61	62
MCKINLEY PARK (CDP)	59	60	60
EAGLE VILLAGE (CDP)	56	55	54
SUNTRANA (CDP)	55	56	56
TATITLEX (CDP)	54	55	60
NIKOLSKI (CDP)	54	41	50
MEYERS CHUCK (CDP)	52	50	50
USIBELLI MINE (CDP)	52	53	53
HALIBUT COVE (CDP)	52	52	47
KUPREANOF CITY	51	50 *	47
RAMPART (CDP)	49	50	50
DUNBAR (CDP)	49	50	50
PRUDHOE BAY (CDP)	49	48	50
TAKOTNA (CDP)	47	48	48
PORTAGE CREEK (CDP)	46	53	48
CHIGNIK LAGOON (CDP)	46	53	48
TATALINA STATION (CDP)	45	46	46
CHISTOCHINA (CDP)	43	45	55
STONY RIVER (CDP)	43	51	62

TABLE IV.2 ALASKA POPULATION ESTIMATES FOR BOROUGH AND PLACES BY SIZE, 1980, 1983, 1984.

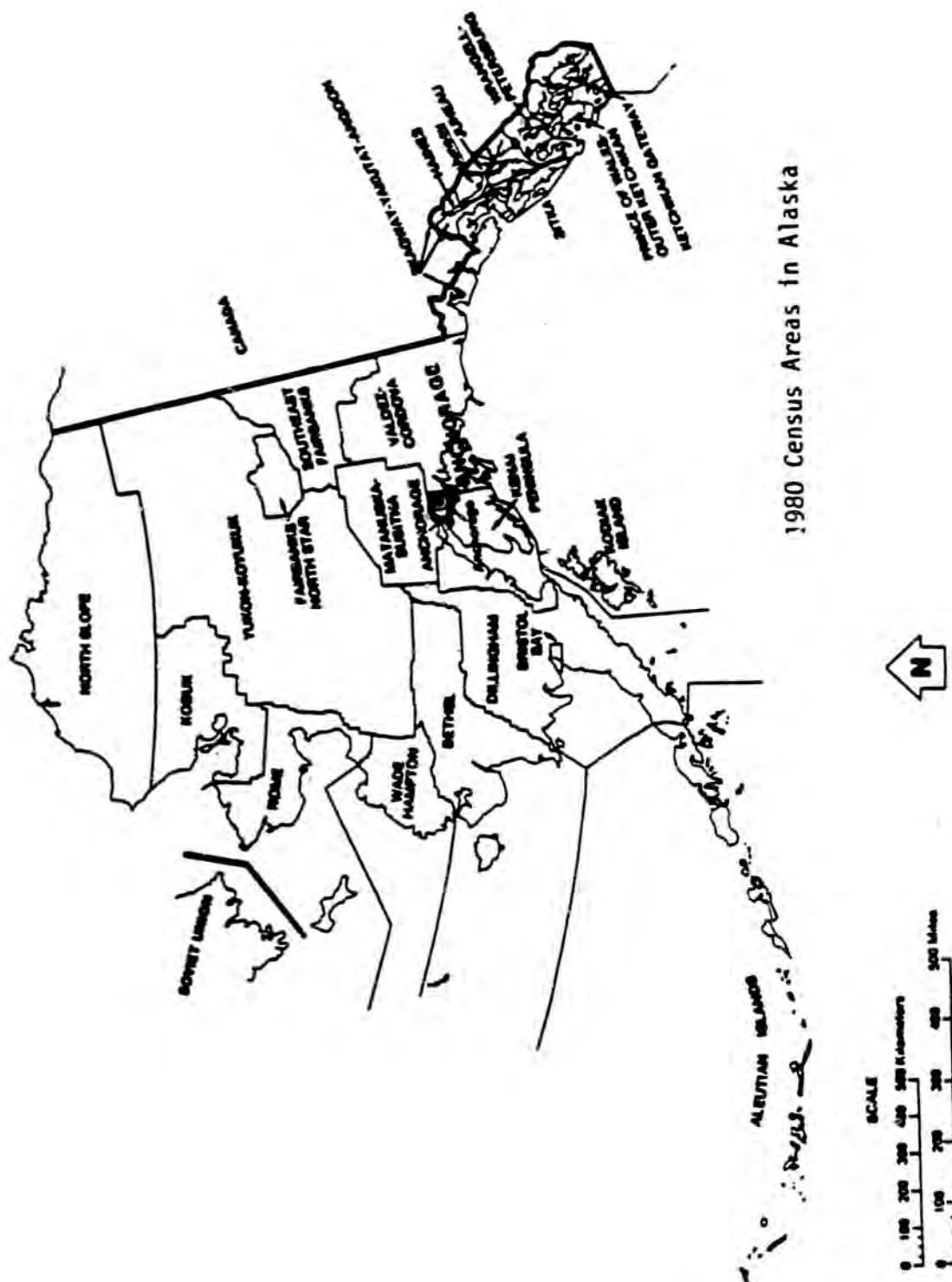
PLACE	JULY 1 1984 ESTIMATES INC. CDP ***	REVISED JULY 1 1983 INC. CDP ***	APRIL 1 1980 CENSUS POPULATION
HARDING LAKE (CDP)	42	42	38
OSCARVILLE (CDP)	39	46	56
SLANA (CDP)	39	40	49
CHICKEN (CDP)	38	38	37
IVANOF BAY (CDP)	38	44	40
EYAK (CDP)	37	38	47
CAPE LISBURNE (CDP)	36	35	36
CENTRAL (CDP)	35	36	36
EARLY LAKE (CDP)	34	34	33
LINE VILLAGE (CDP)	33	40	48
CHITINA (CDP)	33	34	42
TELIDA (CDP)	32	33	33
LOWER TONSINA (CDP)	32	33	40
IGIUGIG (CDP)	32	37	33
PEDRO BAY (CDP)	32	37	33
BIRCH CREEK (CDP)	31	32	32
CAPE POLE (CDP)	30	29	29
ATTU (CDP)	29	24	29
SPARREVOHN STATION (CDP)	28	28	26
RED DEVIL (CDP)	27	32	39
INDIAN MOUNTAIN (CDP)	26	27	27
PERKINSVILLE (CDP)	25	23	33
PAXSON (CDP)	24	24	30
TAZLINA (CDP)	24	25	31
PORT CLARENCE (CDP)	22	21	29
ELFIN COVE (CDP)	20	20	28
CAPE NEMENHAM (CDP)	15	15	43
NEWTOK CITY (PT.)	0	0	0
PORTLOCK (CDP)	0	0	31

Alaska Department of Labor, Research & Analysis, Demographic Unit, 1985.

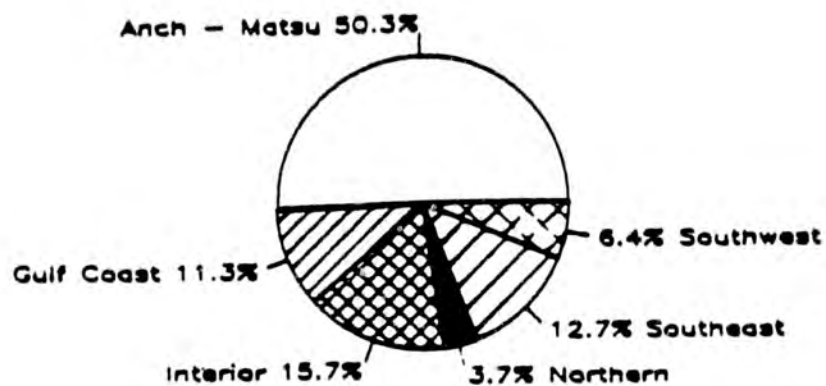
See Footnotes at the end of Table IV.3.

Footnotes

- 1/ Cold Bay was not incorporated until 1982. The 1980 figure represents Cold Bay as a "Census Designated Place."
- 2/ Saint George was not incorporated until 1983. The 1980 figure represents Saint George as a "Census Designated Place."
- 3/ In 1980, Nunapitchuk and Kasigluk were not incorporated and were known by the single name of Akolmiut.
- 4/ Chignik was not incorporated until 1983. The 1980 figure represents Chignik as a "Census Designated Place."
- 5/ The Eielson Air Force Reservation was annexed to the Fairbanks-North Star Borough in early 1983. Its population is included in the Borough total. Prior to this year Eielson's population needed to be subtracted from the Borough's total to obtain the Borough population for its legal boundaries. Historically, most population figures included Eielson as if it were part of the Borough.
- 6/ In 1980, it appears that the U.S. Bureau of the Census incorrectly defined the boundary of the city of Kachemak and counted people who were actually outside of Kachemak as part of Kachemak's population.
- 7/ 535 is a corrected 1980 census figure for Selawik. The original, incorrect number released by the U.S. Bureau of the Census was 361.
- 8/ Subsequent to the 1980 census, the Kodiak Island Borough annexed the Kodiak Island Coast Guard Station. Both the 1980 and 1983 figures reflect the presence of the Coast Guard Station population in the total borough population.
- 9/ In 1982, Nome annexed the unincorporated "place" of Icy View, which had 210 residents. Further in 1980, the U.S. Bureau of the Census used boundaries for Nome that were later expanded legally. The 1983 figure for Nome reflects both the population of Icy View and the expanded boundaries.
- 10/ Atkasuk was not incorporated until 1983. The 1980 figure represents Atkasuk as a "Census Designated Place."
- 11/ 2,267 is a corrected 1980 Census figure for the city of Barrow. The original, incorrect number of 2,207 released by the U.S. Bureau of the Census reflected a mis-allocation of 60 persons into an area outside of the city of Barrow.
- 12/ Thorne Bay was not an incorporated city in 1980, it was a "Census Designated Place" with a population of 377, which is the figure shown for 1980. Thorne Bay incorporated in 1982.
- 13/ St. Mary's population increase is partially due to an annexation in 1981 of Andreafsky into the incorporated city.
- * Indicates a census conducted in accordance with procedures contained in *Standards for Conducting a Census in Small Alaskan Cities*.
- ** Indicates a census conducted in accordance with procedures contained in *Alaska Census Administrator's Manual* and *Alaska Census Enumerator's Manual*.



Alaska Population by Region 1983



Source: Table A.3

Table A.3

Resident Population of Alaska by Census Areas: 1971-1983

Census Area	1971	1972	1973	1974	a/ 1975	1976	1977	1978	1979	1980	1981	1982	1983
						(July 1 estimates)							
Alaska Totals	319,600	329,800	336,400	348,100	384,100	409,800	418,000	411,600	413,700	419,700	435,200	460,800	510,600
Aleutian Islands	7,900	7,800	7,700	7,800	7,900	7,900	7,900	8,000	8,000	8,100	8,300	8,500	8,500
Anchorage	136,500	144,000	146,100	151,000	173,600	187,400	189,700	183,600	180,200	179,000	184,700	200,500	227,100
Bethel	9,200	9,400	9,600	9,800	10,000	10,200	10,400	10,500	10,700	11,000	11,100	11,300	12,200
Bristol Bay	1,100	1,100	1,200	1,300	1,200	1,200	1,200	1,100	1,100	1,200	1,200	1,300	1,300
Dillingham	4,000	4,100	4,100	4,200	4,300	4,400	4,500	4,500	4,600	4,700	4,700	4,700	5,600
Fairbanks North Star	47,600	47,800	48,800	52,000	56,700	61,500	62,100	58,200	57,700	57,800	58,300	59,200	64,800
Haines	1,400	1,500	1,500	1,500	1,500	1,600	1,600	1,700	1,700	1,700	1,800	1,900	1,900
Juneau	14,600	15,200	15,700	16,100	16,400	17,000	17,500	18,000	18,900	19,800	21,100	22,000	25,900
Kenai Peninsula	17,200	17,700	18,400	19,200	21,300	22,500	23,900	24,500	25,800	27,600	29,500	32,500	34,900
Ketchikan Gateway	10,200	10,300	10,500	10,700	10,900	11,200	11,400	11,600	11,800	12,000	12,200	12,400	12,700
Kobuk	4,200	4,300	4,400	4,500	4,600	4,700	4,800	4,700	4,800	4,900	5,000	5,100	5,800
Kodiak Island	9,700	9,200	9,300	9,500	9,700	9,900	10,100	10,300	10,600	11,000	11,700	12,700	12,900
Matanuska-Susitna	7,200	7,800	8,500	9,400	11,100	13,500	15,500	16,700	18,400	20,200	23,300	25,200	29,800
Nome	5,900	6,000	6,100	6,200	6,300	6,400	6,500	6,500	6,700	6,900	7,300	7,500	7,700
North Slope	3,600	3,700	3,800	3,900	4,000	4,200	4,400	4,400	4,500	4,600	4,700	4,800	5,200
Prince of Wales	4,000	4,000	4,100	4,200	4,300	4,300	4,100	4,100	4,200	4,300	4,400	4,400	5,300
Sitka	6,100	6,300	6,500	6,700	6,900	7,100	7,400	7,600	7,700	7,800	8,000	8,200	8,200
Skagway-Yakutat-Angoon	2,900	2,900	2,900	2,900	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700
Southeast Fairbanks	5,000	5,200	5,300	5,300	5,400	5,500	5,600	5,700	5,800	5,900	6,000	6,100	6,500
Valdez-Cordova	5,200	5,300	5,400	5,500	8,000	8,900	8,500	8,700	8,900	9,100	9,300	9,500	9,700
Wade-Hampton	4,000	4,000	4,100	4,200	4,300	4,400	4,500	4,500	4,600	4,700	4,800	4,800	5,300
Wrangell-Petersburg	5,000	5,100	5,200	5,300	5,400	5,500	5,700	5,900	6,100	6,300	6,500	6,700	6,900
Yukon-Koyukuk	7,100	7,100	7,200	7,300	7,400	7,500	7,600	7,600	7,600	7,700	7,800	7,900	8,700

a/ Alaska Population Overview 1982 numbers may not sum to total due to rounding error.

Source: Alaska Population Overview, Alaska Department of Labor, 1982 & 1983.

Table A.4
Components of Population Change by Census Areas: 1980-1983 a/

Census Area	April 1 1980 Census	July 1 1983 Estimate	1980-1983 Change		1980-1983 Components of Change					
			Total	Average Annual (%)	Total			Average Annual (%)		
					Births	Deaths	Net Migrants	Births	Deaths	Net Mig.
Alaska Total	401,851	510,554	108,703	7.33	34,343	5,721	80,061	2.38	0.39	5.40
Aleutian Islands	7,768	8,496	728	2.75	559	103	272	2.12	0.39	1.03
Anchorage	174,431	227,040	52,609	8.06	14,260	1,941	40,290	2.19	0.30	6.18
Bethel	10,999	12,232	1,233	3.27	1,064	187	356	2.82	0.50	0.94
Bristol Bay	1,094	1,275	181	4.70	71	21	131	1.84	0.54	3.40
Dillingham	4,616	5,623	1,007	6.05	439	96	664	2.64	0.58	3.99
Fairbanks North Star	53,983	64,810	10,827	5.61	5,072	701	6,456	2.63	0.36	3.34
Haines	1,680	1,915	235	4.02	121	23	137	2.08	0.39	2.34
Juneau	19,528	25,964	6,436	8.71	1,487	291	5,240	2.01	0.39	7.09
Kenai Peninsula	25,282	34,890	9,608	9.83	2,324	387	7,671	2.38	0.40	7.85
Ketchikan Gateway	11,316	12,712	1,396	3.53	860	247	783	2.20	0.63	2.01
Kobuk	4,831	5,759	928	5.39	502	125	552	2.92	0.73	3.20
Kodiak Island	9,939	12,896	2,957	7.97	911	155	2,201	2.45	0.42	5.93
Matanuska-Susitna	17,816	29,849	12,033	15.54	1,613	294	10,714	2.08	0.38	13.83
Nome	6,537	7,661	1,124	4.87	647	192	669	2.80	0.83	2.90
North Slope	4,199	5,168	969	6.37	435	88	622	2.86	0.58	4.09
Prince of Wales	3,622	5,293	1,471	9.93	326	63	1,209	2.20	0.43	8.16
Sitka	7,803	8,194	391	1.5	631	121	-119	2.43	0.47	0.46
Skagway-Yakutat-Angoon	3,478	3,711	233	1.99	253	95	75	2.16	0.81	0.64
Southeast Fairbanks	5,676	6,516	840	4.24	513	64	391	2.59	0.32	1.97
Valdez-Cordova	8,348	9,722	1,374	4.68	625	154	903	2.13	0.52	3.08
Wade-Hampton	4,665	5,294	629	3.89	468	71	232	2.98	0.44	1.43
Wrangell-Petersburg	6,167	6,869	702	3.31	464	133	371	2.19	0.63	1.75
Yukon-Koyukuk	7,873	8,635	762	2.84	700	172	234	2.61	0.64	0.87

Note: Data are subject to rounding error.

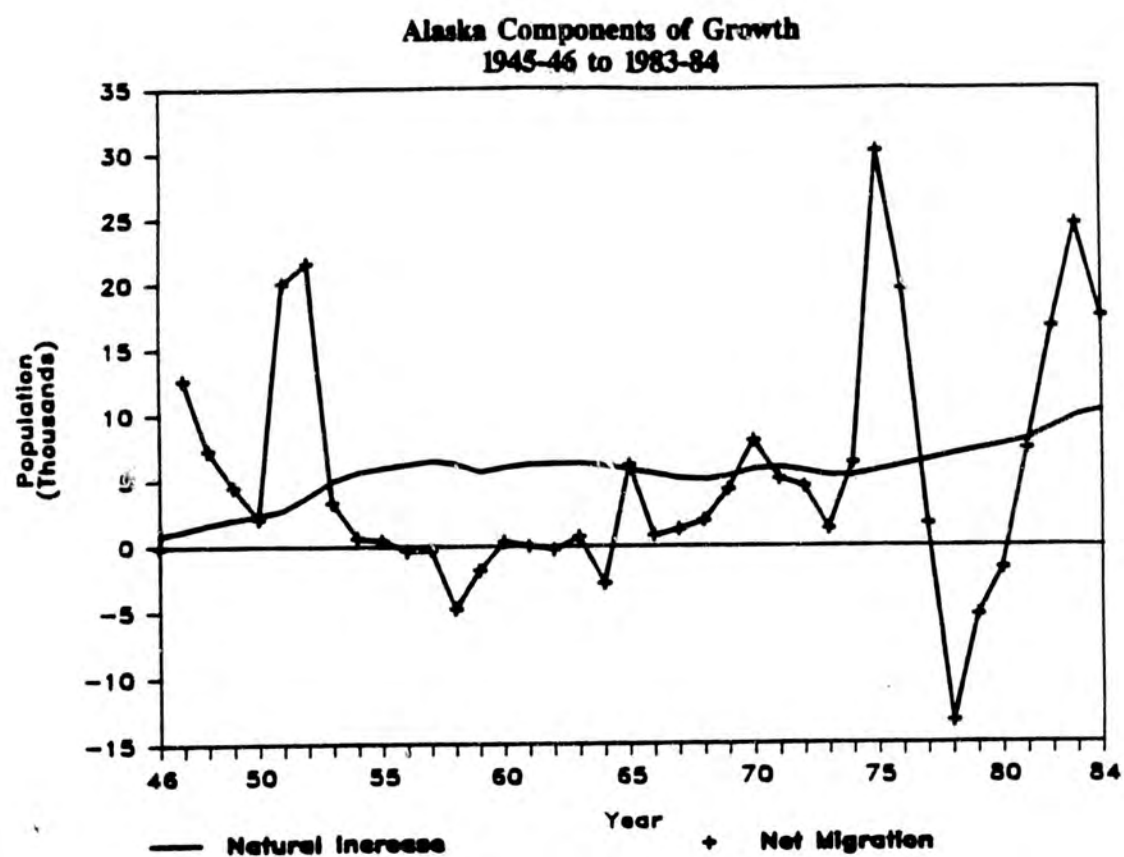
a/ Due to discrepancies between the Alaska population census and the Alaska department of labor (DOL) population estimates components of population change in this table do not match those in Table A.2, which is based solely on DOL estimates.

Sources: Alaska Planning Information, Alaska Department of Labor, 1985.

TABLE III.1 POPULATION CHANGE FOR BOROUGHS AND CENSUS AREAS 1970-80, 1980-83, 1983-84.

PLACE	PROVISIONAL JULY 1 1984 ESTIMATES	CHANGE 1983-84	ANNUAL % CHANGE 1983-84	REVISED JULY 1 1983 ESTIMATES	CHANGE 1980-83	AVERAGE ANNUAL % CHANGE 1980-83	APRIL 1 1980 CENSUS POPULATION	CHANGE 1970-80	AVERAGE ANNUAL % CHANGE 1970-80	APRIL 1 1970 CENSUS POPULATION
THE STATE OF ALASKA	523048	27759	5.45	495289	93438	6.41	401851	99268	2.82	382583
ALEUTIAN ISLANDS C.A.	8255	207	2.54	8048	280	1.89	7768	-66	-0.88	7834
ANCHORAGE BOROUGH	243829	16583	7.84	227246	52815	8.89	174431	48846	3.19	126385
BETHEL C.A.	11446	206	1.82	11240	241	0.67	10999	2082	2.09	8917
BRISTOL BAY BOROUGH	1134	-33	-2.87	1167	73	1.99	1094	-53	-0.47	1147
DILLINGHAM C.A.	5171	99	1.93	5072	456	2.90	4616	724	1.70	3892
FAIRBANKS NORTH STAR BOROUGH	64186	1036	1.63	63150	9167	4.82	53983	8119	1.63	45864
HAINEB BOROUGH	1839	20	1.09	1819	139	2.44	1680	279	1.81	1401
JUNEAU BOROUGH	23729	720	3.08	23009	3481	5.84	19528	5972	3.61	13556
KENAI PENINSULA BOROUGH	38285	3148	8.58	35137	9855	10.84	25282	8696	4.15	16586
KETCHIKAN GATEWAY BOROUGH	12705	121	0.96	12584	1268	3.26	11316	1275	1.19	10041
KOBUK C.A.	5684	200	3.58	5484	653	3.90	4831	783	1.76	4048
KODIAK ISLAND BOROUGH	12381	155	1.26	12226	2287	6.35	9939	530	0.55	9409
KATANUSKA-SUSITNA BOROUGH	29836	5182	18.70	24734	6918	10.81	17816	11307	9.38	6509
NOME C.A.	7888	387	3.97	7581	1044	4.55	6537	788	1.28	5749
NORTH SLOPE BOROUGH	5367	49	0.92	5318	1119	7.24	4199	748	1.96	3451
PRINCE OF WALES-OUTER KETCHIKAN C.A.	4652	14	0.30	4638	816	5.94	3822	40	0.11	3782
SITKA BOROUGH	7611	-54	-0.71	7665	-138	-0.55	7803	1730	2.49	6073
SKAGWAY-YAKUTAT-ANGDON C.A.	3716	-75	-2.00	3791	313	2.65	3478	686	2.19	2792
SOUTHEAST FAIRBANKS C.A.	6275	38	0.61	6237	561	2.90	5676	1368	2.74	4308
VALDEZ-CORDOVA C.A.	8738	-44	-0.50	8774	426	1.53	8348	3371	5.86	4977
WADE HAMPTON C.A.	5185	-18	-0.35	5203	538	3.36	4665	748	1.74	3917
WRANGELL-PETERSBURG C.A.	6625	-35	-0.53	6660	493	2.37	6167	1247	2.25	4920
YUKON-KOYUK C.A.	8519	12	0.14	8507	634	2.38	7873	328	1.11	7845

Alaska Department of Labor, Research & Analysis, Demographic Unit, 1985.



Language Family Language Name

Eskimo-Aleut

- | | |
|--------|----------------|
| Aleut | Aleut |
| | Sugpiaq |
| Eskimo | Central Yupik |
| | Siberian Yupik |
| | Inupiaq |

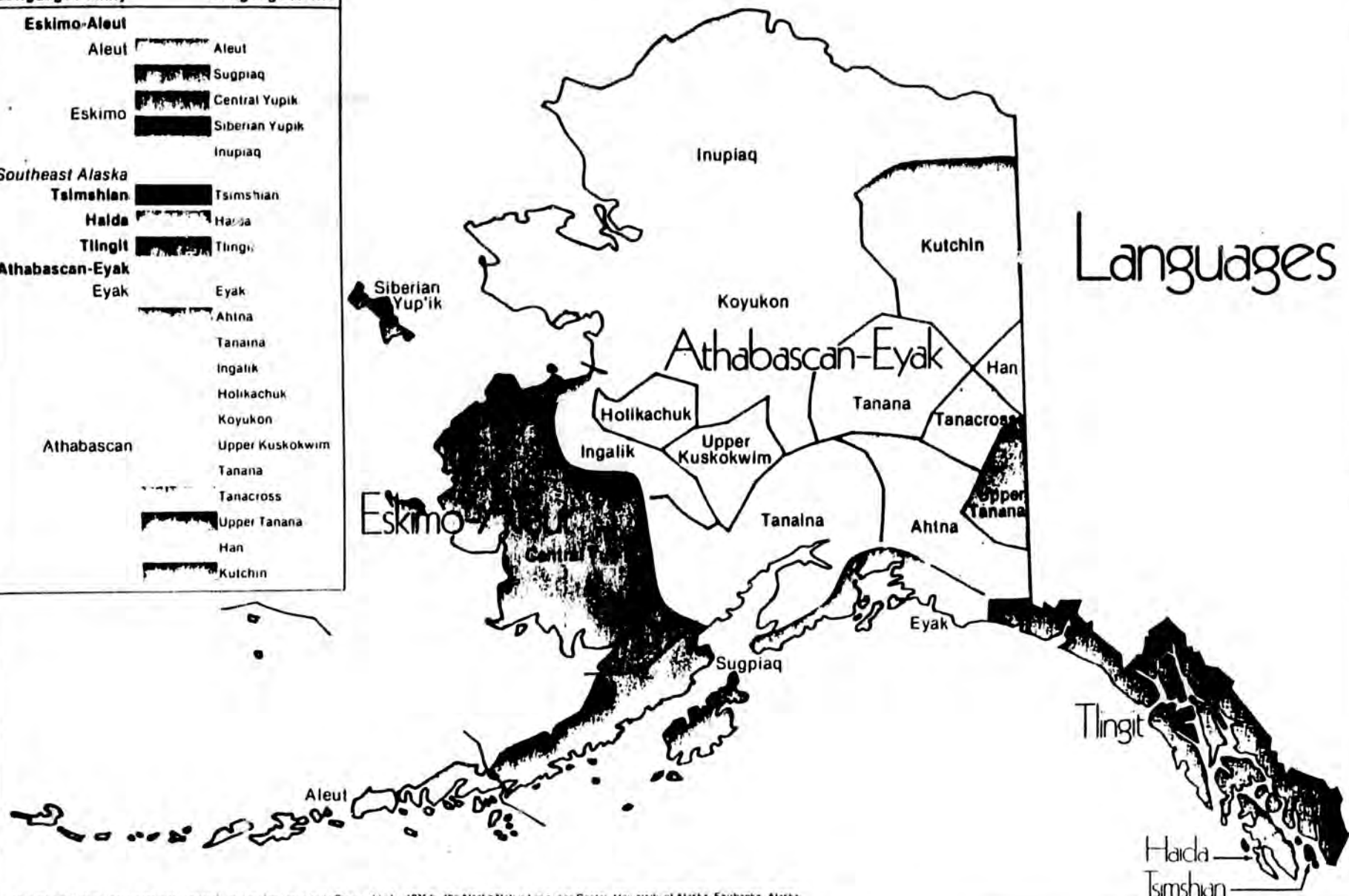
Southeast Alaska

- | | |
|-----------|-----------|
| Tsimshian | Tsimshian |
| Haida | Haida |
| Tlingit | Tlingit |

Athabascan-Eyak

- | | |
|------------|-----------------|
| Eyak | Eyak |
| | Ahtna |
| | Tanana |
| | Ingalik |
| | Holikachuk |
| | Koyukon |
| Athabascan | Upper Kuskokwim |
| | Tanana |
| | Tanacross |
| | Upper Tanana |
| | Han |
| | Kutchin |

Languages



This map of Native Languages was prepared in part, from materials Copyrighted 1975 by the Alaska Native Language Center, University of Alaska, Fairbanks, Alaska.

2
3
4
5
ATTACHMENT A-7

Table A.1
Population Characteristics by Census Area
1980 Census

Census Area	Total Persons	% Change 1970-1980	Percent Born in State	Urban Pop. (%)	Race Composition (%)				Age Composition (%)			
					Native	White	Black	Other	5 & Under	5 to 17 yrs.	18 to 64 yrs.	65 & Over
Aleutian Islands	7,768	-.8	27.7	42.7	24.82	62.91	4.21	8.06	8.1	16.7	73.8	1.4
Anchorage	174,431	38.0	22.2	97.6	5.17	85.86	5.38	3.59	9.4	22.0	66.6	2.0
Bethel	10,999	23.3	83.1	32.5	84.31	14.56	.47	.66	11.6	29.8	54.7	3.9
Bristol Bay	1,094	-4.6	40.4	-	32.91	59.96	4.20	2.93	5.2	16.7	75.8	2.3
Dillingham	4,616	19.2	77.4	-	76.32	22.96	-	.72	9.7	28.8	57.8	3.7
Fairbanks North Star	53,983	17.7	23.8	59.1	5.61	85.81	5.63	2.95	10.1	20.9	66.6	2.4
Haines	1,680	19.9	27.6	-	12.74	85.36	.54	1.36	8.2	25.0	62.2	4.6
Juneau	19,528	44.1	33.2	100.0	11.21	85.51	.42	2.86	8.6	21.7	65.8	3.9
Kenai Peninsula	25,282	52.4	27.8	17.1	6.73	91.69	.37	1.21	9.7	24.4	62.6	3.3
Ketchikan Gateway	11,316	12.7	34.9	63.6	12.42	84.62	.25	2.71	8.8	22.3	63.2	5.7
Kobuk	4,831	19.3	86.0	-	85.28	14.41	.10	.21	11.8	30.1	52.9	5.2
Kodiak Island	9,939	5.6	34.1	47.9	18.96	71.54	.90	8.60	9.9	20.8	36.7	2.6
Matanuska-Susitna	17,816	173.7	29.3	-	4.22	94.70	.29	.79	10.2	25.9	59.8	4.1
Nome	6,537	13.7	81.9	-	79.38	19.98	.24	.40	11.2	27.7	55.9	5.2
North Slope	4,199	31.7	75.6	-	76.80	21.81	.33	1.06	9.9	25.0	61.6	3.5
Prince of Wales	3,822	1.1	47.0	-	43.20	54.16	1.05	1.59	10.3	24.8	60.9	4.0
Sitka	7,803	28.5	40.7	100.0	21.39	74.79	.38	3.44	10.2	22.8	62.4	4.6
Skagway-Yakutat-Angoon	3,478	24.6	56.2	-	42.04	56.30	-	1.66	11.0	23.8	59.7	5.5
Southeast Fairbanks	5,676	31.8	22.8	-	12.77	79.19	5.16	2.88	11.2	24.1	62.2	2.5
Valdez-Cordova	8,348	67.7	30.1	36.9	12.70	84.94	.44	.92	8.8	22.2	65.5	3.5
Wade-Hampton	4,665	19.1	94.3	-	94.75	5.14	-	.11	12.0	33.3	50.9	3.8
Wrangell-Petersburg	6,167	25.3	42.2	45.7	19.30	78.35	.10	2.25	9.5	22.3	62.5	5.7
Yukon-Koyukuk	7,873	11.8	60.4	-	55.46	42.69	1.28	.57	10.0	24.9	61.2	3.9
ALASKA	401,851	32.8	32.0	64.3	16.02	77.63	3.42	2.93	9.7	22.8	64.6	2.9
U.S.	226,545,805	11.4	63.9	73.7	.68	83.44	11.69	4.19	7.2	20.9	71.9	11.3

Source: County and City Data Book 1983, Bureau of the Census.

C

ATTACHMENTS

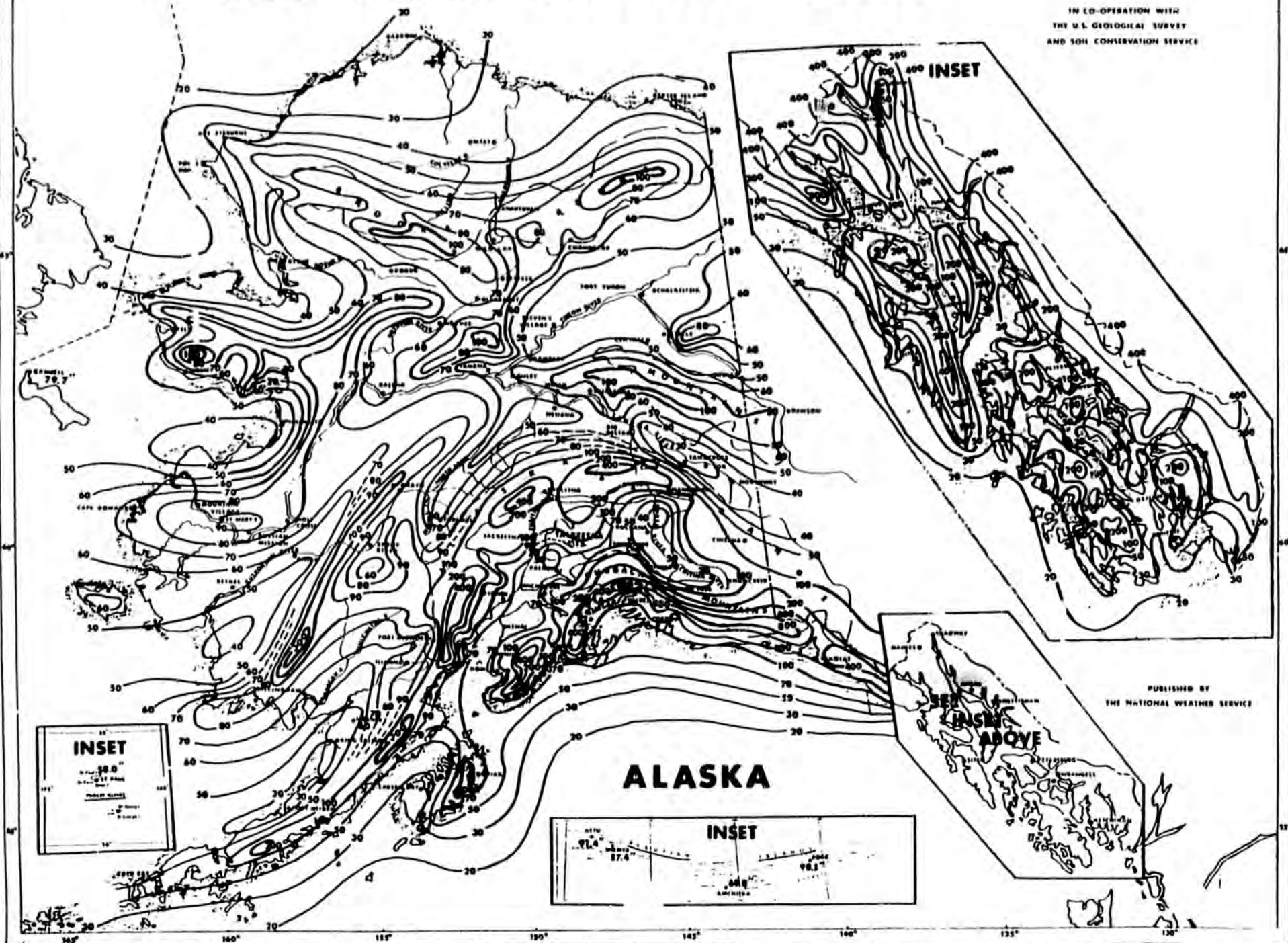
- C-1: Mean Annual Snowfall (Source: National Weather Service (1972)).
- C-2: Sunrise/Sunset (Source: State of Alaska, Department of Education, Division of State Libraries, Alaska Blue Book 1985 (1985) at 233 ("Blue Book")).
- C-3: Wind Chill Chart (Source: Blue Book at 233).
- C-4: Normals, Means and Extremes (Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatology of the United States No. 60, Climate of Alaska (1978) at 24-29).

MEAN ANNUAL SNOWFALL - INCHES

BASED ON ALL AVAILABLE DATA
THROUGH 1972

IN CO-OPERATION WITH
THE U.S. GEOLOGICAL SURVEY
AND SOIL CONSERVATION SERVICE

ATTACHMENT C-1



PUBLISHED BY
THE NATIONAL WEATHER SERVICE

Sunrise/Sunset (add one hour for Daylight Savings Time)

Location	Date	Sunrise a.m.	Sunset p.m.	Total Sunshine
Ketchikan	June 21 Summer Solstice	3:01	8:34	17 hrs. 33 min.
	Dec. 22 Winter Solstice	8:14	3:15	7 hrs. 1 min.
Juneau	June 21 Summer Solstice	2:51	9:09	18 hrs. 18 min.
	Dec. 22 Winter Solstice	8:46	3:08	6 hrs. 22 min.
Anchorage	June 21 Summer Solstice	3:19	10:43	19 hrs. 24 min.
	Dec. 22 Winter Solstice	10:15	3:41	5 hrs. 26 min.
Fairbanks	June 21 Summer Solstice	1:59	11:48	21 hrs. 49 min.
	Dec. 22 Winter Solstice	10:59	2:41	3 hrs. 42 min.
Barrow	Sun above horizon from approximately May 10 - Aug. 1			24 hrs. 00 min.
	Sun below horizon from approximately Nov. 18 - Jan. 23			0 hrs. 00 min.

(Source: 11th Weather squadron, USAF Pamphlet 105-3, 15 December 1983
using U.S. Naval Observation Data.)

Wind Chill Chart

Cooling Power of Wind on Exposed Flesh Expressed as an Equivalent Temperature
(under calm conditions)

Estimated wind speed (in mph)	Actual Thermometer reading (°F)											
	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
	EQUIVALENT TEMPERATURE (°F)											
calm	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68
10	40	28	16	4	-9	-24	-33	-46	-58	-70	-81	-92
15	36	22	9	-5	-18	-32	-45	-58	-72	-86	-100	-114
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-125
25	30	16	0	-15	-29	-44	-59	-73	-88	-104	-119	-134
30	28	13	-2	-18	-33	-48	-63	-78	-93	-109	-125	-140
35	27	11	-4	-20	-35	-51	-67	-82	-98	-114	-130	-146
40	26	10	-6	-21	-37	-53	-69	-85	-101	-117	-133	-149
Wind speeds greater than 40 mph have little added effect	LITTLE DANGER (for properly clothed person) Maximum danger of false sense of security			INCREASING DANGER Danger from freezing of exposed flesh				GREAT DANGER Danger from frostbite and immersion foot increased rapidly				

Trenchfoot and immersion foot may occur at any point on this chart

Trenchfoot and immersion foot may occur at any point on this chart

**THE
FOLLOWING
DOCUMENTS
ARE
POOR
ORIGINAL
COPIES**

NORMALS, MEANS, AND EXTREMES

[illegible]

Source and reference: (1) *U.S. Fish and Wildlife and Conservation Administration*. Annual catches have been extended at about twice the rate during the following: August 1949 to 10 June 1948, maximum precipitation 1.3; in January 1947, maximum monthly precipitation 1.3; 12 to 18 August 1951, maximum monthly precipitation 1.3; in the winter 1943 and winter 1944, maximum monthly precipitation 1.4; 10 January 1952, maximum monthly precipitation 1.3; 10 January 1952, maximum precipitation 1.3; 24 March 4.0; 10 August 1.0; 10 August 1952.

[illegible]

NOTE: This is based upon full case cooperation and a worst case scenario. Generally involved students are the ones who require the most support services. Daily temperature extremes and precipitation totals are portions of the year from 1981 to 1990 other than 8/23/2009 day. The method of record for snow also seems to be different than consistently given.

3. Available data for 1981-1991 and January 1992 to date.

NORMALS ANS. AND EXTREMES

WIG DELTA, ALASKA

Temperature									
Phoenix					Los Angeles				
Month	Jan.	Feb.	Mar.	Apr.	Month	May	June	July	Aug.
1907	60.2	61.2	64.2	66.2	66	70.7	74.2	76.2	76.2
1908	57.2	58.2	61.2	63.2	61	65.2	68.2	70.2	70.2
1909	58.2	59.2	62.2	64.2	62	66.2	69.2	71.2	71.2
1910	59.2	60.2	63.2	65.2	63	67.2	70.2	72.2	72.2
1911	60.2	61.2	64.2	66.2	64	68.2	71.2	73.2	73.2
1912	61.2	62.2	65.2	67.2	65	69.2	72.2	74.2	74.2
1913	62.2	63.2	66.2	68.2	66	70.2	73.2	75.2	75.2
1914	63.2	64.2	67.2	69.2	67	71.2	74.2	76.2	76.2
1915	64.2	65.2	68.2	70.2	68	72.2	75.2	77.2	77.2
1916	65.2	66.2	69.2	71.2	69	73.2	76.2	78.2	78.2
1917	66.2	67.2	70.2	72.2	70	74.2	77.2	79.2	79.2
1918	67.2	68.2	71.2	73.2	71	75.2	78.2	80.2	80.2
1919	68.2	69.2	72.2	74.2	72	76.2	79.2	81.2	81.2
1920	69.2	70.2	73.2	75.2	73	77.2	80.2	82.2	82.2
1921	70.2	71.2	74.2	76.2	74	78.2	81.2	83.2	83.2
1922	71.2	72.2	75.2	77.2	75	79.2	82.2	84.2	84.2
1923	72.2	73.2	76.2	78.2	76	80.2	83.2	85.2	85.2
1924	73.2	74.2	77.2	79.2	77	81.2	84.2	86.2	86.2
1925	74.2	75.2	78.2	80.2	78	82.2	85.2	87.2	87.2
1926	75.2	76.2	79.2	81.2	79	83.2	86.2	88.2	88.2
1927	76.2	77.2	80.2	82.2	80	84.2	87.2	89.2	89.2
1928	77.2	78.2	81.2	83.2	81	85.2	88.2	90.2	90.2
1929	78.2	79.2	82.2	84.2	82	86.2	89.2	91.2	91.2
1930	79.2	80.2	83.2	85.2	83	87.2	90.2	92.2	92.2
1931	80.2	81.2	84.2	86.2	84	88.2	91.2	93.2	93.2
1932	81.2	82.2	85.2	87.2	85	89.2	92.2	94.2	94.2
1933	82.2	83.2	86.2	88.2	86	90.2	93.2	95.2	95.2
1934	83.2	84.2	87.2	89.2	87	91.2	94.2	96.2	96.2
1935	84.2	85.2	88.2	90.2	88	92.2	95.2	97.2	97.2
1936	85.2	86.2	89.2	91.2	89	93.2	96.2	98.2	98.2
1937	86.2	87.2	90.2	92.2	90	94.2	97.2	99.2	99.2
1938	87.2	88.2	91.2	93.2	91	95.2	98.2	100.2	100.2
1939	88.2	89.2	92.2	94.2	92	96.2	99.2	101.2	101.2
1940	89.2	90.2	93.2	95.2	93	97.2	100.2	102.2	102.2
1941	90.2	91.2	94.2	96.2	94	98.2	101.2	103.2	103.2
1942	91.2	92.2	95.2	97.2	95	99.2	102.2	104.2	104.2
1943	92.2	93.2	96.2	98.2	96	100.2	103.2	105.2	105.2
1944	93.2	94.2	97.2	99.2					

BIG DELTA AIRPORT

[illegible]

ALASKAN

[illegible]

145° 44' W

No. of female subjects	Mean age	Standard deviation	Mean number of steps											
			Surrounding			Approach			Departure			Total		
			Mean	SD	Range	Mean	SD	Range	Mean	SD	Range	Mean	SD	Range
3	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
4	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
5	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
6	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
7	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
8	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
9	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
10	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
11	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
12	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
13	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
14	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
15	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
16	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
17	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
18	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
19	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
20	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
21	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
22	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
23	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
24	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
25	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
26	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
27	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
28	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
29	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
30	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
31	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50
32	20.5	1.5	10	15	20	10	15	20	10	15	20	30	40	50

1972

Year	Number of cases	Rate per 100,000
1970	10	1.0
1971	12	1.2
1972	15	1.5
1973	18	1.8
1974	20	2.0
1975	22	2.2
1976	25	2.5
1977	28	2.8
1978	30	3.0
1979	32	3.2
1980	35	3.5

1011g. that is, less than full time operation on a variable schedule, necessary recorded elements are more broken fragments in incomplete records. Daily temperature extremes and precipitation records for portions of the record may be far better than a standard day. The period of record for some elements is far shorter than observation years.

* Record incomplete due to less than full time operation of station. Symmetry based on available data.

2. Record for 1963-1964 and January 1969 to date
3. Record for July 1966 through August 1966 and available data for January 1969 to date.

c Based for July 1964 through August 1964 and available data for January 1965 to date.

COLD BAY, ALASKA

Longwood 1961									
		Plant Mass				Litter Mass			
	1	2	3	4	5	6	7	8	9
1961						55		54	
A	32.6	28.8	28.2			90 1973	-8	1962	
P	32.6	28.0	28.2			90 1977	-6	1967	
M	31.7	24.2	28.0			86 1978	-19	1971	
A	32.8	28.7	28.1			86 1978	-6	1974	
M	33.0	24.8	28.3			85 1978	-10	1973	
P	29.8	24.9	23.4			69 1952	-25	1972	
A	35.4	32.7	28.1			77 1969	20	1979	
A	33.3	32.2	28.1			78 1969	8	1966	
P	31.0	28.0	27.8			76 1962	23	1976	
O	41.0	32.1	27.8			69 1964	-10	1974	
P	28.6	24.0	24.2			54 1971	-1	1963	
M	28.8	27.3	28.0			54 1973	-8	1973	
A	42.8	38.3	31.8			70 1968	-18	1978	

COLD BAY AIRPORT

WATER REQUIREMENT									
Crop	Area Hectares	Main Crop		Fallow		Fallow		Fallow	
		Area Hectares	Water mm	Area Hectares	Water mm	Area Hectares	Water mm	Area Hectares	Water mm
0	2.50	0.50	1900	0.40	1920	2.00	1900		
0	2.00	1.80	1900	0.00	1920	2.00	1900		
0	1.50	0.70	1970	0.50	1972	2.00	1900		
0	1.50	0.80	1970	0.02	1940	1.70	1900		
0	2.10	0.80	1970	0.00	1940	2.10	1900		
0	1.00	0.00	1992	0.12	1900	2.00	1900		
0	2.22	0.80	1900	0.00	1920	1.70	1900		
0	2.00	0.90	1991	1.10	1970	2.70	1900		
0	3.00	0.70	1900	0.01	1902	3.00	1900		
0	3.00	0.90	1900	1.00	1900	3.00	1900		
0	2.50	0.00	1900	1.10	1970	2.00	1900		
0	2.00	0.00	1970	0.10	1900	2.00	1900		
0	22.00	0.90	1991	0.00	1900	0.00	1900		

BERING

Date		Relative humidity sat					Wind				
		01	03	05	07	09	Direction	Pressure	Speed	Direction	Force
Year	Hour	01	03	05	07	09	km/h	mmHg	km/h	km/h	km/h
(Local time)											
Year	Hour	01	03	05	07	09	km/h	mmHg	km/h	km/h	km/h
1971	9.2	85	85	82	85	17.0	152	67	14	193	
1972	7.1	100	85	81	85	17.5	152	71	16	193	
1973	7.1	100	85	81	85	17.5	152	71	17	197	
1976	0.0	100	86	85	70	18.2	152	60	13	196	
1971	8.0	87	88	77	87	16.4	152	86	16	196	
1971	2.0	100	86	77	87	15.0	140	69	11	193	
1976	1.1	100	85	86	84	13.4	152	64	17	197	
1972	8.0	100	85	80	87	16.3	152	85	18	196	
1976	11.4	100	86	85	85	15.9	140	80	18	196	
1976	9.0	100	86	84	80	17.5	152	84	14	196	
1976	9.0	100	86	82	85	16.9	140	85	11	196	
1976	9.0	100	86	82	85	16.9	140	85	11	196	
1977	11.4	100	87	86	80	16.9	152	79	19	196	

162° 43' W

[illegible]

1977

Year	Number of cases	Percentage of total
1900	1,000	10.0
1901	1,000	10.0
1902	1,000	10.0
1903	1,000	10.0
1904	1,000	10.0
1905	1,000	10.0
1906	1,000	10.0
1907	1,000	10.0
1908	1,000	10.0
1909	1,000	10.0
1910	1,000	10.0
1911	1,000	10.0
1912	1,000	10.0
1913	1,000	10.0
1914	1,000	10.0
1915	1,000	10.0
1916	1,000	10.0
1917	1,000	10.0
1918	1,000	10.0
1919	1,000	10.0
1920	1,000	10.0
1921	1,000	10.0
1922	1,000	10.0
1923	1,000	10.0
1924	1,000	10.0
1925	1,000	10.0
1926	1,000	10.0
1927	1,000	10.0
1928	1,000	10.0
1929	1,000	10.0
1930	1,000	10.0
1931	1,000	10.0
1932	1,000	10.0
1933	1,000	10.0
1934	1,000	10.0
1935	1,000	10.0
1936	1,000	10.0
1937	1,000	10.0
1938	1,000	10.0
1939	1,000	10.0
1940	1,000	10.0
1941	1,000	10.0
1942	1,000	10.0
1943	1,000	10.0
1944	1,000	10.0
1945	1,000	10.0
1946	1,000	10.0
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1982	1,000	10.0
1983	1,000	10.0
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1997	1,000	10.0
1998	1,000	10.0
1999	1,000	10.0
2000	1,000	10.0
2001	1,000	10.0
2002	1,000	10.0
2003	1,000	10.0
2004	1,000	10.0
2005	1,000	10.0
2006	1	

All data available for the period 1954 to data considered in extracting estimates of temperature and liquid precipitation above

(a) In 1971, I received photo through the
 contact that name, Ibrahim Said,
 known - the city - are
 (b) It was a set of Alaskan station
 a little than a half
 I think

Memorandum: Based on request for the following parties:
DATE: 04/04/2019 The most recent in cases of multiple
 violations with **UNLAWFUL** manner through **UNLAW**
 with **UNLAWFUL** manner through **UNLAWFUL** manner through
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NORMAL S, MEANS, AND EXTREMES

[illegible]

Peak and maximum values are from existing and comparable exposures. Annual maximum have been recorded at other sites in the locality, at the following highest temperatures: 49 in July 1919; lowest temperatures: 34 in January 1918; maximum monthly precipitation: 4.8 in August 1919; minimum monthly precipitation: 0.0 in February 1919; maximum monthly snowfall: 65.6 in January 1917.

[illegible]

NOTE The no less than full time operation of a variable element, whether included elements are from broken sequences in incomplete records. Both frequency patterns and participation levels for portions of the no less than full time operation. The period of record for new elements is for other time intervals.

[illegible]

1. **NAME:** _____
 2. **DATE:** _____
 3. **TIME:** _____
 4. **LOCATION:** _____
 5. **REASON:** _____
 6. **WITNESSES:** _____
 7. **REMARKS:** _____
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2. For a window, say prior to 1980
3. For each year 1981-1989, find average stock in that year separately for each part
4. Repeat for 1990-1998 and January 1999 onwards, again separately for each part
5. Now compute from time to time the average stock for each component of the structure

NORMALS, MEANS, AND EXTREMES

[illegible]

NOTE: Due to less than full time operation in a certain schedule, manually recorded airflows are from broken sequences in incomplete years. Daily temperature readings and precipitation totals for portions of the record may be for other than a calendar day. The period of record for some elements is for other than consecutive years.

2 For the calendar day prior to 1968, and based on 6-hourly data thereafter.
3 For the period April 1950 through 1954 plus available data beginning with
4 January 1968.
5 Based for 1950-1951 and January 1968 to data when available for full year
6 Data incomplete due to less than full time operation of station.

JUNEAU, ALASKA										MUNICIPAL AIRPORT										PACIFIC										58° 22' N										134° 35' W										12 FT.										1977									
Temperature in °F										Precipitation in inches										Relative humidity in %										Wind										Mean number of days										Average station pressure in in. Hg.																			
Normal										Water depth in ft.										Snow on ground										Fastest mile										Sunshine										Clouds										Fog									
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec										Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec										Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec										Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec										Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec										Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec																			
1	29.1	17.8	20.8	37	1958	-22	1952	1287	0	2.94	0.10	1978	0.94	1968	2.14	1968	43.8	1973	80.1	1978	80	70	70	50	5.3	5.3	88	12	1968	21	7.7	4	3	22	18	7	4	1	17	4	1968	2	1008																										
2	38.0	24.1	28.0	38	1957	-12	1948	1056	0	3.44	0.14	1968	0.94	1968	2.14	1968	46.3	1968	82.7	1968	81	73	73	50	6.0	6.0	88	12	1970	32	8.1	4	3	31	19	4	2	10	23	2	1008																												
3	50.2	35.3	31.0	38	1948	-13	1957	789	0	2.97	0.14	1968	0.94	1968	2.14	1968	52.0	1948	81.0	1968	81	70	70	50	6.0	6.0	88	12	1963	37	8.2	4	3	24	19	3	0	1	1008																														
4	58.8	41.7	37.0	46	1957	-13	1957	789	0	2.97	0.14	1968	0.94	1968	2.14	1968	52.0	1963	81.0	1968	81	70	70	50	6.0	6.0	88	12	1963	37	8.2	4	3	24	19	3	0	1	1008																														
5	68.4	50.4	46.5	52	1967	-18	1957	344	0	3.51	0.25	1964	1.35	1964	1.35	1964	1.2	1964	87.7	1968	80	74	82	50	6.3	6.3	88	12	1965	39	8.0	4	2	23	13	0	0	1	1008																														
6	62.0	46.4	42.0	48	1967	-13	1957	334	0	2.93	0.14	1968	0.94	1968	1.35	1968	1.2	1970	87.7	1968	80	74	82	50	6.3	6.3	88	12	1965	39	8.0	4	2	23	13	0	0	1	1008																														
7	69.6	57.7	52.1	60	1958	-20	1960	240	0	4.00	7.02	1968	1.35	1952	1.35	1968	0.0	0	80	81	70	61	7.8	7.8	88	12	1970	41	8.3	4	3	23	17	0	0	1	1008																																
8	72.2	62.4	56.5	65	1958	-20	1960	230	0	2.00	12.31	1961	1.11	1964	2.68	1974	0.0	0	81	84	74	68	7.8	7.8	88	12	1969	32	8.1	4	4	23	18	0	0	1	1008																																
9	76.1	66.2	60.2	72	1964	-20	1972	434	0	0.96	1.91	1964	2.84	1963	3.13	1962	7	1974	7	1974	83	87	78	69	6.0	6.0	88	12	1967	26	8.0	4	3	24	20	0	0	1	1008																														
10	47.2	36.8	31.0	41	1964	-12	1957	728	0	7.83	19.25	1974	2.71	1950	4.00	1962	13.0	1958	80.0	1968	80	71	81	50	6.0	6.0	88	12	1963	30	8.0	4	3	24	20	0	0	1	1008																														
11	51.2	40.4	34.5	41	1964	-12	1957	728	0	3.55	1.72	1966	1.46	1969	2.84	1962	34.7	1964	23.0	1968	83	82	81	59	6.2	6.2	88	11	1963	20	8.3	4	2	23	81	6	0	0	10	24	5	1008																											
12	52.0	42.5	37.5	46	1964	-21	1957	1169	0	4.32	9.90	1966	1.90	1968	2.84	1962	34.7	1964	23.0	1968	83	82	81	59	6.2	6.2	88	11	1963	20	8.3	4	2	23	81	6	0	0	10	24	5	1008																											
13	47.0	32.5	27.5	30	1973	-22	1972	804/7	0	33.87	13.43	1974	4.87	1964	4.00	1964	68.3	1975	81.0	1968	81	73	83	50	6.5	6.2	88	11	1968	21	8.2	4	3	24	20	22	30	4	22	19	28	14	10	1973																									

Major and minor elements were determined by standard techniques. Arsenic, selenium, and lead have been analyzed at various times in the laboratory by the following methods: arsenic by gravimetric (1916-1918), atomic absorption (1916), and colorimetric (1916); selenium by gravimetric (1916-1918), atomic absorption (1916), and colorimetric (1916); lead by gravimetric (1916-1918), atomic absorption (1916), and colorimetric (1916).

[illegible]

1. The first step in the process of
 2. is to determine the nature of the
 3. problem. This is done by
 4. identifying the symptoms and
 5. the causes of the problem.
 6. The next step is to develop a
 7. plan of action. This plan
 8. should be based on the
 9. information gathered in the
 10. first step. The plan should
 11. be realistic and achievable.
 12. The third step is to implement
 13. the plan. This involves
 14. taking the necessary actions
 15. to solve the problem.
 16. The final step is to evaluate
 17. the results. This involves
 18. comparing the actual results
 19. with the expected results.
 20. If the results are not as
 21. expected, then the plan
 22. should be revised and
 23. implemented again.

NORMALS, MEANS, AND EXTREMES

[illegible]

KODIAK, ALASKA										U.S.C.G. BASE										ALASKAN										57° 45' N										152° 30' W										14 FT.										1977																																																																																																																																																																																																																																																																																																																																																																																																			
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$$\begin{aligned} \mathbb{E}[\mathbf{y}|\mathbf{x}] &= \mathbf{A}\mathbf{x} + \mathbf{b} \\ \mathbf{y} &= \mathbf{A}\mathbf{x} + \mathbf{b} + \mathbf{e} \\ \mathbf{e} &= \mathbf{y} - \mathbf{A}\mathbf{x} - \mathbf{b} \end{aligned}$$

1944-1945. The first record for the 1944-1945 season was 1000. The second record for the 1945-1946 season was 1000. The third record for the 1946-1947 season was 1000. The fourth record for the 1947-1948 season was 1000. The fifth record for the 1948-1949 season was 1000. The sixth record for the 1949-1950 season was 1000. The seventh record for the 1950-1951 season was 1000. The eighth record for the 1951-1952 season was 1000. The ninth record for the 1952-1953 season was 1000. The tenth record for the 1953-1954 season was 1000. The eleventh record for the 1954-1955 season was 1000. The twelfth record for the 1955-1956 season was 1000. The thirteenth record for the 1956-1957 season was 1000. The fourteenth record for the 1957-1958 season was 1000. The fifteenth record for the 1958-1959 season was 1000. The sixteenth record for the 1959-1960 season was 1000. The seventeenth record for the 1960-1961 season was 1000. The eighteenth record for the 1961-1962 season was 1000. The nineteenth record for the 1962-1963 season was 1000. The twentieth record for the 1963-1964 season was 1000. The twenty-first record for the 1964-1965 season was 1000. The twenty-second record for the 1965-1966 season was 1000. The twenty-third record for the 1966-1967 season was 1000. The twenty-fourth record for the 1967-1968 season was 1000. The twenty-fifth record for the 1968-1969 season was 1000. The twenty-sixth record for the 1969-1970 season was 1000. The twenty-seventh record for the 1970-1971 season was 1000. The twenty-eighth record for the 1971-1972 season was 1000. The twenty-ninth record for the 1972-1973 season was 1000. The thirtieth record for the 1973-1974 season was 1000. The thirty-first record for the 1974-1975 season was 1000. The thirty-second record for the 1975-1976 season was 1000. The thirty-third record for the 1976-1977 season was 1000. The thirty-fourth record for the 1977-1978 season was 1000. The thirty-fifth record for the 1978-1979 season was 1000. The thirty-sixth record for the 1979-1980 season was 1000. The thirty-seventh record for the 1980-1981 season was 1000. The thirty-eighth record for the 1981-1982 season was 1000. The thirty-ninth record for the 1982-1983 season was 1000. The fortieth record for the 1983-1984 season was 1000. The forty-first record for the 1984-1985 season was 1000. The forty-second record for the 1985-1986 season was 1000. The forty-third record for the 1986-1987 season was 1000. The forty-fourth record for the 1987-1988 season was 1000. The forty-fifth record for the 1988-1989 season was 1000. The forty-sixth record for the 1989-1990 season was 1000. The forty-seventh record for the 1990-1991 season was 1000. The forty-eighth record for the 1991-1992 season was 1000. The forty-ninth record for the 1992-1993 season was 1000. The fiftieth record for the 1993-1994 season was 1000. The fifty-first record for the 1994-1995 season was 1000. The fifty-second record for the 1995-1996 season was 1000. The fifty-third record for the 1996-1997 season was 1000. The fifty-fourth record for the 1997-1998 season was 1000. The fifty-fifth record for the 1998-1999 season was 1000. The fifty-sixth record for the 1999-2000 season was 1000. The fifty-seventh record for the 2000-2001 season was 1000. The fifty-eighth record for the 2001-2002 season was 1000. The fifty-ninth record for the 2002-2003 season was 1000. The sixtieth record for the 2003-2004 season was 1000. The sixty-first record for the 2004-2005 season was 1000. The sixty-second record for the 2005-2006 season was 1000. The sixty-third record for the 2006-2007 season was 1000. The sixty-fourth record for the 2007-2008 season was 1000. The sixty-fifth record for the 2008-2009 season was 1000. The sixty-sixth record for the 2009-2010 season was 1000. The sixty-seventh record for the 2010-2011 season was 1000. The sixty-eighth record for the 2011-2012 season was 1000. The sixty-ninth record for the 2012-2013 season was 1000. The seventieth record for the 2013-2014 season was 1000. The seventy-first record for the 2014-2015 season was 1000. The seventy-second record for the 2015-2016 season was 1000. The seventy-third record for the 2016-2017 season was 1000. The seventy-fourth record for the 2017-2018 season was 1000. The seventy-fifth record for the 2018-2019 season was 1000. The seventy-sixth record for the 2019-2020 season was 1000. The seventy-seventh record for the 2020-2021 season was 1000. The seventy-eighth record for the 2021-2022 season was 1000. The seventy-ninth record for the 2022-2023 season was 1000. The eightieth record for the 2023-2024 season was 1000. The eighty-first record for the 2024-2025 season was 1000. The eighty-second record for the 2025-2026 season was 1000. The eighty-third record for the 2026-2027 season was 1000. The eighty-fourth record for the 2027-2028 season was 1000. The eighty-fifth record for the 2028-2029 season was 1000. The eighty-sixth record for the 2029-2030 season was 1000. The eighty-seventh record for the 2030-2031 season was 1000. The eighty-eighth record for the 2031-2032 season was 1000. The eighty-ninth record for the 2032-2033 season was 1000. The ninetieth record for the 2033-2034 season was 1000. The ninety-first record for the 2034-2035 season was 1000. The ninety-second record for the 2035-2036 season was 1000. The ninety-third record for the 2036-2037 season was 1000. The ninety-fourth record for the 2037-2038 season was 1000. The ninety-fifth record for the 2038-2039 season was 1000. The ninety-sixth record for the 2039-2040 season was 1000. The ninety-seventh record for the 2040-2041 season was 1000. The ninety-eighth record for the 2041-2042 season was 1000. The ninety-ninth record for the 2042-2043 season was 1000. The hundredth record for the 2043-2044 season was 1000.

† 1968-1969 and 1970 to date (with 1969-1970 sub-periods prior to 1970)
 ‡ 1968-1969 and 1971 to date
 § 1970-1971 and 1971 to date

NORMALS, MEANS, AND EXTREMES

KOTZLBUE, ALASKA

RALPH WIEN MEMORIAL AIRPORT BERING

66° 52' N

162° 38' W

10 FT.

1977

Temperature °F										Normal range days from 60 °F	Precipitation in inches										Wind										Mean number of days										Average total precip. inches
Normal					Extremes						Wettest					Driest					Fastest mile					Survival to sunset					Temperature °F										
Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May		Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	
1	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0			
2	8.0	10.5	13.0	15.5	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0				
3	8.5	11.0	13.5	16.0	18.5	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5				
4	9.0	11.5	14.0	16.5	19.0	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0				
5	9.5	12.0	14.5	17.0	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5				
6	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0				
7	10.5	13.0	15.5	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0				
8	11.0	13.5	16.0	18.5	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0				
9	11.5	14.0	16.5	19.0	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0				
10	12.0	14.5	17.0	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0				
11	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0					
12	13.0	15.5	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0					
13	13.5	16.0	18.5	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0					
14	14.0	16.5	19.0	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0					
15	14.5	17.0	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0					
16	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0						
17	15.5	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0						
18	16.0	18.5	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0						
19	16.5	19.0	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0						
20	17.0	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0						
21	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0							
22	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0							
23	18.5	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0							
24	19.0	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0							
25	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0							
26	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0								
27	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0								
28	21.0	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0								
29	21.5	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0								
30	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0								
31	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0									
32	23.0	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0	100.0									
33	23.5	26.0	28.5	31.0	33.5	36.0	38.5	41.0	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.0	63.5	66.0	68.5	71.0	73.5	76.0	78.5	81.0	83.5	86.0	88.5	91.0	93.5	96.0	98.5	100.0									
34	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.0	61.5	64.0	66.5	69.0	71.5	74.0	76.5	79.0	81.5	84.0	86.5	89.0	91.5	94.0	96.5	99.0	100.0									
35	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0	54.5	57.0	59.5	62.0	64.5	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	87.0	89.5	92.0	94.5	97.0	99.5	100.0									
36	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0										
37	25.5	28.0	30.5	33.0	35.5	38.0	40.5	43.0	45.5	48.0	50.5	53.0	55.5	58.0	60.5	63.0	65.5	68.0	70.5	73.0	75.5	78.0	80.5	83.0	85.5	88.0	90.5	93.0	95.5	98.0											

Mean and extreme values are for temperatures only. Annual values have been calculated at other sites in the vicinity for 1977. Mean temperature is for March 1976. Maximum monthly snowfall 60.5 in January 1977.

MC GHATH, ALASKA

MC GHATH AIRPORT

ALASKAN 62° 58' N

158° 37' W

344 FT.

1977

Month	Temperature °F										Normal (range days from 60 °F)	Precipitation in inches										Wind										Mean number of days										Average total precip. inches
	Normal					Extreme						Normal					Extreme					Fastest mile					Survival to sunset					Temperature °F										
	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May		Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May	Jan	Feb	Mar	Apr	May						
1	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
2	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
3	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
4	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
5	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
6	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
7	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
8	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
9	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
10	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
11	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
12	10.0	10.0	10.0	10.0	10.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							

1. All data are for the year 1977.
2. All data are for the year 1977.
3. All data are for the year 1977.

1. All data are for the year 1977.
2. All data are for the year 1977.
3. All data are for the year 1977.

NORMALS, MEANS, AND EXTREMES

[illegible]

10. Water level - The water level is generally in the spring when the snow melts. Annual maximum - Snow Lake recorded its highest water level in the spring of 1910, when it was 44 feet above the normal level. The lowest water level was recorded in the spring of 1911, when it was 38 feet above the normal level. Annual minimum - Snow Lake recorded its lowest water level in the spring of 1911, when it was 38 feet above the normal level. Annual minimum - Snow Lake recorded its lowest water level in the spring of 1911, when it was 38 feet above the normal level.

[illegible][illegible][illegible]

1. The first part of the report is a summary of the work done during the year. It is a brief statement of the results of the work, and is intended to give a general impression of the progress made.

NORMALS, MEANS, AND EXTREMES

[illegible]

4000 The vegetation of the study parkland is a strongly xerophytic, naturally-recovered community, rich in species, composed of the steppe, forest-steppe, and submontane subzones and precipitation belts for the forest-steppe subzone of the steppe zone of the steppe zone. The period of record for some of the data is less than 100 years.

UNALAKLET, ALASKA										UNALAKLET FIELD										ALASKAN												63° 53' N										160° 48' W										15 FT.										1977																																																																																																																																																																																																																																																							
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(NOTE: Due to less than full time operation on a statistic schedule, monthly recorded statements may have broken sequences in incomplete periods. Daily temperature extremes and precipitation totals for portions of the record may be for other than a calendar day. The period of record for some elements is for other than consecutive years.)

5. For calendar day, run to 1996

1. Reported for first time in January 1958 - 1959 while working for Bell
plant

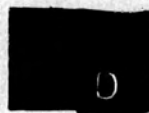
^{year}
This may be incomplete due to the fact that this period of station

1. Data may be incomplete due to less than full time periods of station

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Reared at midrange of a 10-day time gradient and comparable exposures. Actual exposures have been recorded at other sites in the vicinity and have been quite variable, e.g. in July 1953, lowest temperature: 26 in February 1957/58; 24 monthly precipitation from July to April 1958. Annual monthly averages: 11.5 in February 1958.

[illegible][illegible]



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ATTACHMENTS

- D-1: Straight Line Distance Between Alaska Points (Approximate) (Source: State of Alaska, Department of Education, Division of State Libraries, Alaska Blue Book 1985 (1985) at 216-217 ("Blue Book")).
- D-2: Highway Mileage (Source: United States Department of Commerce, Bureau of the Census, Statistical Abstract of the United States 1986 (1985) at 593).
- D-3: Alaska Highway System Map (Source: State of Alaska, Department of Transportation and Public Facilities, State Transportation Policy Plan (1982) at 6-13 ("Transportation Plan")).
- D-4: Driving Time Between Common Destinations (Source: State of Alaska, Division of Tourism, Alaska and Canada's Yukon (1985) at 27 ("Alaska and Canada's Yukon")).
- D-5: Map of Alaska Railroads (Source: State of Alaska, Department of Transportation and Public Facilities, Alaska State Rail Plan (1985) at 3-3 ("Alaska State Rail Plan")).
- D-6: Alaska Railroad Passenger Volumes (Source: Alaska State Rail Plan at 3-28).
- D-7: Principal Scheduled Common Carrier Marine Service to Selected Alaska Ports (Source: Transportation Plan at 6-25).
- D-8: Alaska Marine Highway System - 1985 Tariffs (Source: Alaska and Canada's Yukon at 27).
- D-9: Ferry Miles (Source: Blue Book at 214-215).
- D-10: Regularly Scheduled Daily Intrastate Airline Flights Between Selected Alaska Communities (Source: Official Airline Guide, North American edition (Dunn and Bradstreet, June 15, 1986)).
- D-11: Fare Information For Air Travel Between Selected Alaska Communities (Source: Telephone Conversations with Travel Resources, Inc., Washington, D.C., July 3, 1986).

Straight Line Distance Between Alaska Points (approximate)

Adak	Adak	Anchorage	Barrow	Bethel	Big Delta	Cold Bay	Cordova	Craig	Dillingham	Fairbanks	Haines	Juneau	Ketchikan	Kodiak	Kotzebue	Naknek	Nome	Northway	Petersburg	Prudhoe Bay	Seattle	Seward	Shemya	Sitka	Skagway	Unalaska	Valdez	Wrangell	Yakutat	
Anchorage	1209																													
Barrow	1493	722																												
Bethel	835	420	742																											
Big Delta	1394	236	565	566																										
Cold Bay	600	650	1141	400	867																									
Cordova	1329	147	800	562	246	752																								
Craig	1756	705	1296	1097	743	1158	565																							
Dillingham	910	325	885	175	546	330	470	975																						
Fairbanks	1351	263	502	517	75	843	304	818	530																					
Haines	1656	495	1018	913	477	1063	352	275	815	554																				
Juneau	1696	578	1117	990	575	1113	433	204	865	646	73																			
Ketchikan	1826	768	1341	1164	794	1227	627	64	1030	870	335	234																		
Kodiak	1000	249	948	400	502	443	303	739	245	510	621	674	809																	
Kotzebue	1163	547	342	426	502	824	669	1225	560	423	973	1069	1282	709																
Naknek	886	300	882	224	545	329	443	921	64	525	778	841	990	179	600															
Nome	992	535	505	275	565	669	674	1238	445	492	1000	1099	1300	631	105	488														
Northway	1490	275	700	680	151	932	208	597	620	224	338	422	644	521	658	613	714													
Petersburg	1763	676	1242	1079	695	1164	534	93	950	771	194	120	114	735	1185	913	2108	545												
Prudhoe Bay	1515	635	212	770	435	1160	685	1148	840	375	870	940	1165	870	425	842	605	565	1058											
Seattle	2383	1438	1955	1786	1452	1785	1304	714	1650	1519	964	897	663	1423	1943	1588	1962	1310	778	1795										
Seward	1185	79	790	426	300	613	131	676	330	333	490	565	742	193	603	275	575	318	654	705	1384									
Shemya	428	1485	1583	1071	1597	962	1620	2103	1207	1573	1965	2032	2173	1366	1286	1191	1128	1751	2101	1760	2740	1477								
Sitka	1659	580	1177	977	644	1060	439	139	845	693	152	93	188	630	1100	809	1112	477	91	1005	850	554	1996							
Skagway	1656	495	1018	913	477	1063	352	295	818	554	21	92	330	621	973	778	1008	325	210	840	973	490	1965	172						
Unalaska	422	817	1237	505	1023	180	925	1335	265	966	1241	1291	1404	621	910	487	742	1099	1342	1290	1945	783	799	1238	1241					
Valdez	1298	120	754	525	210	739	41	613	450	265	392	477	674	313	620	423	627	194	580	640	1326	127	1589	487	392	908				
Wrangell	1798	709	1265	1113	722	1199	566	79	965	799	223	149	86	770	1214	948	1237	570	32	1085	745	688	2136	120	239	1377	612			
Yakutat	1798	366	962	778	400	919	223	374	685	471	157	209	477	875	634	893	248	314	795	1082	352	1824	236	1	997	250	340			

HIGHWAY MILEAGE - URBAN, RURAL, AND FEDERAL-AID HIGHWAY SYSTEM: 1983

State	Urban (1,000)	Rural (1,000)	Federal-Aid Highway System ¹				State	Urban (1,000)	Rural (1,000)	Federal-Aid Highway System ¹			
			Primary		Urban	Secondary				Primary		Urban	Secondary
			Total	Inter- state						Total	Inter- state		
U.S.	662.3	3,217.3	300,040	43,028	137,193	97,329	MO	14.5	104.1	8,026	1,132	2,312	18,071
AL	13.9	73.6	7,478	830	2,267	11,250	MT	2.3	69.2	6,614	1,135	326	4,705
AK	1.3	7.4	2,136	1,092	199	1,826	NE	4.5	87.4	7,700	482	1,041	11,412
AZ	8.9	67.4	4,632	1,144	1,688	3,167	NV	3.0	40.8	2,386	538	504	2,331
AR	7.5	69.5	5,699	541	1,059	6,943	NH	2.4	12.1	1,345	207	711	1,230
CA	63.7	110.3	13,459	2,381	15,762	11,104	NJ	22.4	11.5	1,840	381	5,351	1,718
CO	10.9	64.5	5,906	946	3,101	3,614	NM	4.4	49.7	4,565	1,000	686	3,973
CT	10.7	8.9	1,632	337	2,930	895	NY	36.4	73.4	9,760	1,488	8,476	6,366
DE	1.5	3.8	469	41	305	605	NC	17.3	75.1	5,121	764	2,284	10,407
DC	1.1	-	170	12	247	-	ND	1.5	84.3	6,158	571	376	10,430
FL	30.5	62.6	9,578	1,245	5,482	4,668	OH	29.4	82.8	7,900	1,546	7,330	11,782
GA	18.4	86.5	11,259	1,182	3,337	14,014	OK	11.9	98.1	6,223	926	2,466	9,481
HI	1.4	2.9	518	36	176	430	OR	8.4	125.1	5,702	718	1,969	7,746
ID	2.2	66.2	3,356	607	570	4,058	PA	28.1	87.5	11,455	1,524	6,763	8,196
IL	30.8	103.8	11,440	1,711	6,578	12,841	RI	3.6	2.7	469	70	824	166
IN	17.7	74.0	6,104	1,113	4,816	9,211	SC	9.0	54.3	6,346	756	1,166	8,505
IA	8.4	103.9	9,600	737	2,295	13,329	SD	1.6	71.8	6,489	677	356	11,223
KS	8.3	123.9	8,908	808	1,538	22,547	TN	11.9	71.9	7,026	1,031	2,371	5,282
KY	7.4	61.7	4,474	738	1,853	7,222	TX	62.9	212.9	19,803	3,116	6,965	12,722
LA	12.2	45.8	3,846	686	1,853	7,412	UT	5.1	41.0	3,377	806	840	2,571
ME	2.4	19.7	2,306	313	650	2,743	VT	.9	13.1	1,434	320	264	1,953
MD	10.1	17.3	2,508	377	1,958	2,022	VA	12.6	52.5	6,424	1,025	2,907	10,328
MA	20.6	11.2	2,777	562	5,810	2,007	WA	14.8	71.0	5,788	715	3,972	1,196
MI	25.1	92.3	7,054	1,129	4,828	9,019	WV	2.9	31.7	2,923	479	781	6,110
MN	12.9	118.5	10,158	873	1,942	6,495	WI	13.8	94.4	9,497	577	2,789	11,773
MS	6.9	64.1	6,332	686	1,679	1,731	WY	1.5	76.6	3,900	917	440	2,279

- Represents zero. ¹ Highway mileage open to traffic.
Source: U.S. Federal Highway Administration, Highway Statistics, annual.

DRIVING TIME BETWEEN COMMON DESTINATIONS
(Based on Normal Service Stops)

Anchorage-Fairbanks Parks Highway	7.5 hrs.	358 mi.
Glenn/Richardson/ Alaska Hwys.	12 hrs.	404 mi.
Anchorage-Homer	5 hrs.	226 mi.
Anchorage-Valdez	7 hrs.	304 mi.
Fairbanks-Denali	2.5 hrs.	121 mi.
Fairbanks-Valdez	7 hrs.	284 mi.
Haines-Anchorage	17 hrs.	775 mi.
Haines-Fairbanks	14 hrs.	653 mi.
Seattle-Anchorage	7 days	2,435 mi.
Seattle-Fairbanks	7 days	2,313 mi.
Skagway-Anchorage	20 hrs.	832 mi.
Skagway-Fairbanks	17 hrs.	710 mi.
Skagway-Whitehorse	3 hrs.	108 mi.

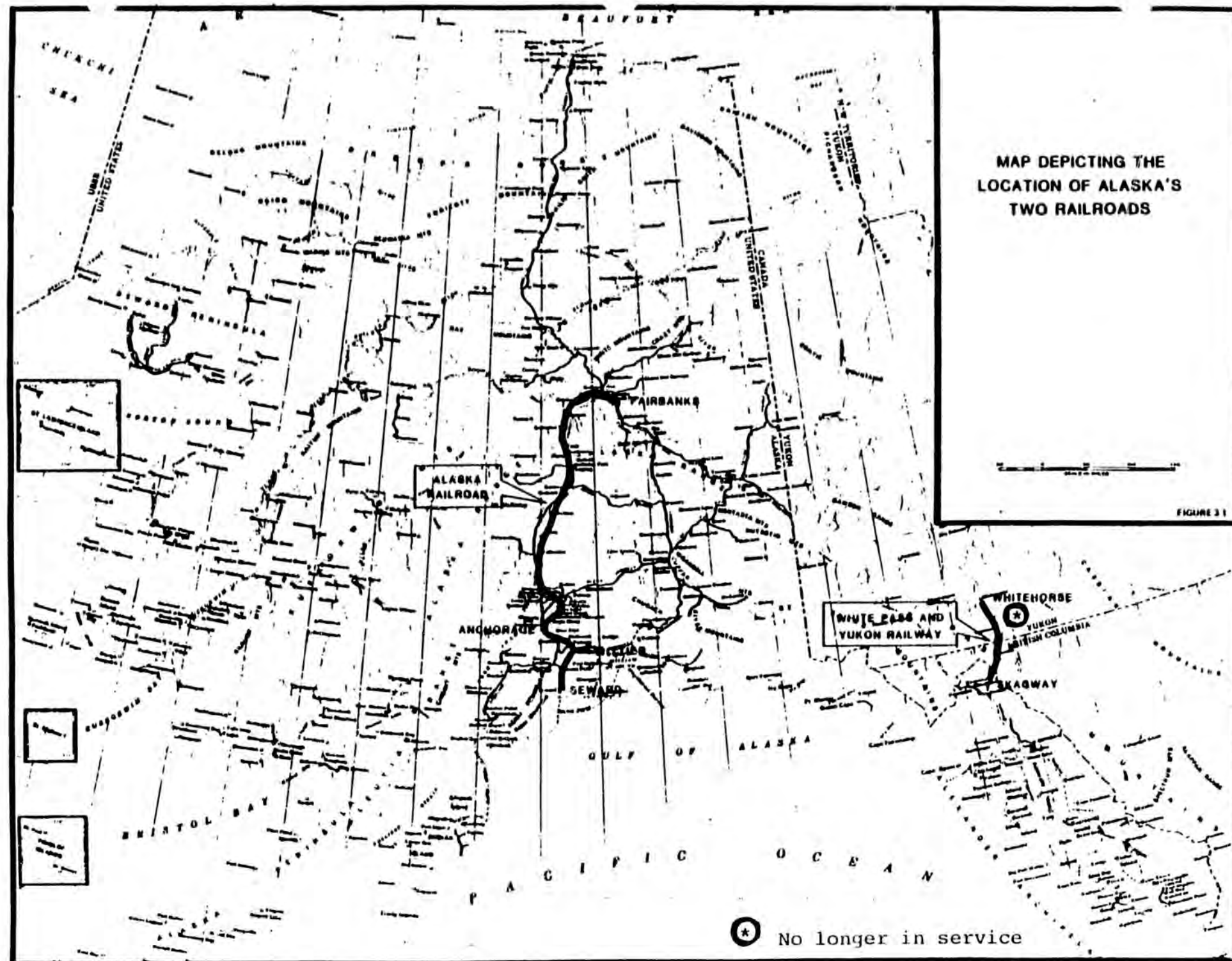


Table 3-7

ALASKA RAILROAD PASSENGER VOLUMES
1979-1985

<u>SERVICE</u>	<u>TOTAL PASSENGERS (000)</u>							<u>1/</u>
	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
Anchorage-Denali-Fairbanks	61	54	54	61	62	78	82	
Anchorage-Portage-Whittier	85	87	93	95	118	120	143	
Special Trains	5	9	13	19	32	39	26	
Total Passengers Handled	151	151	161	175	211	237	251	
Total Revenue (\$000)	1564	1549	1999	2627	3305	3877	3885	<u>1/</u>

1/ Through October 31, 1985

SOURCE: Alaska Railroad Annual Reports, 1980-1984.

Table 6.3.1.1

Principal Schedule Common Carrier Marine Service to Selected Alaska Ports

Between		Carrier	Service
Ketchikan	Seattle	F.A.L.	Weekly container barge
		B.A.B.L.	Twice monthly barge
Sitka	Seattle	F.A.L.	Weekly container barge
Skagway	Vancouver	W.P.Y.	Weekly container ship
Whittier	Seattle	A.H.T.	Weekly Rail Barge
	Prince Rupert	C.N.R.	Rail barge every 9 days
Anchorage	Seattle	S.L.S.	Twice weekly container ship
		T.O.T.E.	Twice weekly Roll-on-Roll-off ship
		P.W.L.	Barge every two weeks (mid-March--mid-November)
		C.B.L.	Barge monthly (April--November)
Kodiak	Seattle (via Anchorage)	S.L.S.	Weekly container ship
	Cordova	S.L.S.	Monthly container ship (October--April)
			Twice monthly container ship (May--September)
Alaska	Kodiak	S.L.S.	Twice monthly container ship
	Adak	S.L.S.	Twice monthly container ship
		F.A.L.	Container barge every three weeks
	Seattle (via Sitka)	F.A.L.	Container barge every three weeks
Dillingham	Seattle	F.A.L.	Barge; four sailings (April--August)
		P.A.L.W.	Barge; three sailings (May--August)
Bethel	Seattle	F.A.L.	Barge; three sailings (May--August)
		P.A.L.W.	Barge; three sailings (May--August)
Nome	Seattle	F.A.L.	Barge; three sailings (May--August)
		P.A.L.W.	Barge; two sailings (May--August)
Yokahama	Kodiak	S.L.S.	Container ship every three weeks
		A.P.L.	Container ship monthly
	Unalaska	S.L.S.	Container ship every three weeks
		A.P.L.	Container ship weekly

Abbreviations

F.A.L.	Foss Alaska Line
B.A.B.L.	Boyer Alaska Barge Line
A.M.H.S.	Alaska Marine Highway System
W.P.Y.	White Pass & Yukon
A.H.T.	Alaska Hydro-Train (Crowley Maritime)
C.N.R.	Canadian National Railway
S.L.S.	Sea-Land Service
T.O.T.E.	Totem Ocean Trailer Express
P.W.L.	Pacific Western Lines
C.B.L.	Coastal Barge Line
A.P.L.	Americal President Lines
P.A.L.W.	Pacific Alaska Line, West (Crowley Maritime)

Source: Published schedules and carrier representatives.

Alaska Marine Highway System — 1985 Tariffs:

FROM	Passenger	Average Size Car**	4-Berth Stateroom***	Travel Time/ Nautical Miles
Prince Rupert to Ketchikan	\$ 23	\$ 69	\$ 39	6 hrs/103 mi
Prince Rupert to Juneau	72	217	81	24 hrs/354 mi
Prince Rupert to Skagway	91	269	97	33 hrs/453 mi
Ketchikan to Juneau	54	155	61	18 hrs/250 mi
Juneau to Haines	19	55	38	6.5 hrs/77 mi
Seattle to Skagway	198	607	201	60 hrs/1090 mi
Seattle to Ketchikan	134	412	144	40 hrs/740 mi
Whittier to Valdez	45	74	N/A	7 hrs/90 mi
Homer to Kodiak	34	105	60	11.5 hrs/155 mi

*Summer season prices are valid from May 1, 1985 to September 30, 1985.

October 1 to April 30 fares are approximately 25% LESS than summer fares. Fares for 1986 are not expected to increase any more than 5%.

**Tariff for vehicles up to 19 feet (5.8 meters) in length.

***Staterooms are sold as a unit, not on a per person basis. Hence the cost to each of four persons sharing a 4-berth stateroom from Seattle to Ketchikan would be \$36 each plus \$134 passenger fare.

MILEAGE

Alaska Marine Highway

DISTANCE BETWEEN PORTS

Southeast System		Petersburg - Kake	59
<i>M/V Malaspina</i>		Kake - Sitka	110
<i>M/V Columbia</i>		Sitka - Angoon	66
<i>M/V Matanuska</i>		Angoon - Tenakee	33
<i>M/V Taku</i>		Tenakee - Hoonah	47
	Nautical Miles	Angoon - Hoonah	60
Seattle - Ketchikan	650	Hoonah - Auke Bay	45
Seattle - Prince Rupert	573	Sitka - Hoonah	115
Prince Rupert - Ketchikan	91	Hoonah - Pelican	58*
Ketchikan - Wrangell	89	Hoonah - Juneau	68
Wrangell - Petersburg	41	*Via South Pass	
Petersburg - Juneau	108		
Juneau - Haines	91	Southwest System	
Haines - Skagway	13	<i>M/V Tustumena</i>	
Auke Bay - Haines	68	<i>M/V Bartlett</i>	
Petersburg - Auke Bay	120	Seward - Cordova	146
Petersburg - Sitka	156	Seward - Valdez	143
Auke Bay - Sitka	136	Cordova - Valdez	73
		Valdez - Whittier	84
Panhandle Systems		Seward - Kodiak	175
<i>M/V LeConte</i>		Kodiak - Port Lions	27
<i>M/V Aurora</i>		Kodiak - Homer	126
<i>M/V Chilkat</i>		Homer - Seldovia	16
Ketchikan - Metlakatla	16	Kodiak - Sand Point	353**
Ketchikan - Hollis	40	**Via Sitkinak Strait	
Hollis - Petersburg	122		
Hollis - Wrangell	95		

1 nautical mile = 1.151 statute miles

[illegible]

ALABAMA DEPARTMENT OF TRANSPORTATION AND PUBLIC SAFETY
MONTGOMERY, ALABAMA
1002 MILWAU

Regularly Scheduled Daily Intrastate Airline Flights
Between Selected Alaska Communities

<u>From</u>	<u>To</u>	<u>Anchorage</u>	<u>Barrow</u>	<u>Bethel</u>	<u>Ketchikan</u>	<u>Kotzebue</u>	<u>Nome</u>	<u>Valdez</u>
Anchorage		---	2	3	1	3	3	3
Barrow		2	---	1	---	---	---	---
Bethel		5	1	---	---	---	1	---
Ketchikan		1	---	---	---	---	---	---
Kotzebue		3	---	---	---	---	2	---
Nome		3	---	1	---	---	---	---
Valdez		2	---	---	---	---	---	---
Juneau		3	---	---	6	---	---	---
Fairbanks		18	2	4	1	---	---	4

¹Source: Official Airline Guide: North American edition (Dunn and Bradstreet, June 15, 1986).

--- indicates no regularly scheduled daily flights.

Note: In certain cases it is possible to reach certain cities (e.g. Barrow - Ketchikan), but there are no daily flights.

Fare Information* For Air Travel Between Selected Alaska Communities

AA = Alaska Airlines, Inc.

MA = Mark Air

NWO = Northwest Orient

RA = Ryan Air

W = Western Air

From	To Anchorage	Barrow	Bethel	Ketchikan	Kotzebue	Nome	Valdez
Anchorage	---	317.00/MA	156.00/MA;AA	226.00/AA	213.00/AA	213.00/AA	79.00/AA
Barrow	317.00/MA	---	365.00/AA to MA	724.02/MA to NWO to AA	422.00/MA to AA	422.00/MA to AA	288.00/MA to AA
Bethel	156.00/MA; AA	365.00/AA to MA	---	156.00/AA	305.00/AA	305.00/AA;RA	**
Ketchikan	226.00/AA	724.02/MA to NWO to AA	156.00/AA	---	**	**	251.00/AA
Kotzebue	213.00/AA	422.00/MA to AA	305.00/AA	**	---	98.00/AA	292.00/AA
Nome	213.00/AA	422.00/MA to AA	305.00/AA;RA	**	98.00/AA	---	292.00/AA
Valdez	79.00/AA	288.00/MA to AA	**	251.00/AA	292.00/AA	292.00/AA	---
Juneau	176.00/AA 322.00/W, + connections	169.00/AA	299.25/AA	90.00/W to AA	332.00/AA	332.00/AA	251.00/AA
Fairbanks	111.00/W to AA	250.00/MA	267.00/MA 253.00/AA	288.00/AA	228.00/AA	228.00/AA	169.00/AA

*All fares based on conversations with agents at Travel Resources, Inc., Washington, D.C., and indicate July 3, 1986 rates for one-way coach, taxes included.

**Fare information not currently available.

Note: Some flights between Alaska communities are not scheduled daily, and/or may include multiple connections to reach destination.

F

ATTACHMENTS

- E-1 Fall Quarter Enrollments of Alaska Elementary and Secondary Students and Average Annual Enrollments in Alaska Colleges, Universities and Community Colleges (Source: State of Alaska Department of Commerce and Economic Development, Economic and Statistical Review (1984) at 27); Final Enrollment by Grade, 1984-85 (Source: State of Alaska, Department of Education, Education in Alaska (1985) at 8-9).
- E-2 Educational Attainment of Alaska Urban and Rural Population by Sex, Over 25 Years of Age, 1980 (Source: United States Department of the Interior, ANCSA 1985 Study (1984 Draft) at E-24).

Table A.7
Fall Quarter Enrollments
of Alaska Elementary and Secondary Students

School Year	Public Schools	Private Schools	BIA Schools	Alaska Totals
1973-74	84,127	1,855	5,725	91,707
1974-75	86,103	2,254	4,883	93,240
1975-76	89,295	2,445	4,718	96,458
1976-77	90,550	2,599	3,135	96,284
1977-78	90,631	3,128	3,005	96,764
1978-79	90,728	3,139	2,999	96,866
1979-80	88,550	3,771	2,859	95,180
1980-81	88,276	4,447	2,668	95,391
1981-82	90,858	5,000 a/	2,418	98,276
1982-83	96,382	4,089	1,099	101,570
1983-84	100,435	3,868	1,005	105,308

a/ Estimate by Alaska Department of Education.

Source: Alaska Department of Education.

Table A.8
Average Annual Enrollments in
Alaska Colleges, Universities and Community Colleges a/

School Year	University of Alaska Main Campuses	University of Alaska Community Colleges	Alaska Pacific University	Sheldon Jackson Jr. College	Alaska Bible College	Alaska Totals
1974-75	4,805 b/	12,116 b/	1,377	252	47	18,597
1975-76	5,588 b/	21,522 b/	651	211	50	28,022
1976-77	7,195 b/	25,024 b/	NA	184	54	32,457
1977-78	7,664	23,032	175 c/	141	38	31,050
1978-79	7,620	21,285	302	141	38	29,386
1979-80	9,833	20,002	740	121	97	30,793
1980-81	10,699	21,312	1,298	138	75	33,522
1981-82	8,173	20,001	1,546	150	72	29,942
1982-83	13,324	21,754	1,652	247	63	37,040
1983-84	11,914	18,876	1,423	226	79	32,518

a/ Average of Fall and Spring Semesters for each school year.

b/ Due to missing data figure shows only Fall Semester closing enrollment.

c/ Prior to this school year Alaska Pacific University was Alaska Methodist University.

Source: Annual Financial Report, Alaska Department of Administration, 1984.

City and Borough Schools
Final Enrollment by Grade, 1984-85

DISTRICT	PE	KG	1	2	3	4	5	6	7	8	9	10	11	12	ELM	SEC	TOTAL
Anchorage	249	3,426	3,901	3,378	3,051	2,981	3,108	3,133	3,089	3,308	2,663	2,692	2,776	2,853	23,227	17,381	40,608
Bristol Bay	2	15	25	16	16	18	25	9	14	20	23	16	18	18	126	109	235
Cordova		44	37	35	23	25	29	25	33	30	40	28	19	20	218	170	388
Craig		15	14	14	14	16	5	11	19	19	11	14	7	9	89	79	168
Dillingham	1	31	33	43	37	31	39	30	26	27	32	28	28	26	245	167	412
Fairbanks	142	1,163	1,269	1,148	1,071	1,013	998	944	964	1,011	1,088	858	658	647	7,748	5,225	12,974
Galena		12	10	10	15	8	17	10	11	10	7	10	9	9	82	56	138
Haines	5	31	35	33	22	20	26	29	45	38	34	34	22	26	201	139	400
Hoonah	7	16	17	18	19	16	14	12	17	23	14	11	11	16	119	92	211
Hydaburg		8	11	10	6	6	8	12	10	6	9	8	5	9	61	47	108
Juneau	13	359	466	393	371	360	350	346	350	367	343	326	275	269	2,658	1,930	4,588
Kake		12	23	18	17	9	13	21	9	20	14	16	17	17	113	93	206
Kenai	54	682	738	667	724	616	631	541	595	665	626	606	514	471	4,653	3,477	8,130
Ketchikan	15	196	193	182	188	177	159	184	186	204	220	217	214	182	1,294	1,223	2,517
King Cove		12	4	19	5	10	5	7	12	5	12	9	10	4	62	52	114
Klawock		9	11	12	13	10	8	15	15	16	13	13	10	10	78	77	155
Kodiak	9	222	210	196	202	176	157	188	151	180	183	154	146	129	1,360	943	2,303
Matanuska-Susitna	55	789	821	748	709	658	665	636	679	669	636	559	450	363	5,081	3,356	8,437
Nenana		7	7	11	14	7	10	8	7	14	6	6	9	6	64	48	112
Nome	9	65	52	61	55	65	58	71	64	57	58	66	53	41	436	339	775
North Slope	9	109	110	91	84	78	67	66	74	77	82	60	52	85	614	430	1,044
Pelican		4	4	5	4	3	7	4	2	3	3	1	1	1	31	11	42
Petersburg		29	50	56	49	51	44	42	46	52	38	41	36	27	321	250	571
Saint Marys	1	8	14	7	8	12	12	10	7	11	5	1	4	1	72	29	101
Sand Point		9	6	11	13	9	11	7	8	5	6	7	12	5	66	43	109
Sitka	26	162	144	131	127	114	107	122	134	129	137	114	102	102	933	718	1,651
Skagway	3	16	6	10	7	7	10	10	8	12	15	9	14	7	69	65	134
Tanana		9	4	6	5	4	3	4	4	7	6	7	1	10	35	35	70
Unalaska		8	11	14	11	8	1	10	12	16	10	6	15	6	63	65	128
Valdez	7	56	50	65	49	55	45	60	54	67	72	51	31	121	387	396	783
Wrangell		33	44	35	33	32	38	31	45	41	39	28	36	29	246	218	464
Yakutat		17	9	12	12	10	15	12	7	22	13	10	10	15	87	77	164

CITY TOTALS 607 7,574 8,329 7,455 6,974 6,605 6,685 6,610 6,697 7,131 6,458 6,006 5,565 5,544 50,839 37,401 88,240

This report is taken from the Final Quarter Attendance Report completed by the school districts. Enrollments were counted on the last day of school.

CORRECTION

**THIS DOCUMENT
HAS BEEN REPHOTOGRAPHED
TO ASSURE LEGIBILITY**

City and Borough Schools
Final Enrollment by Grade, 1984-85

DISTRICT	PE	KG	1	2	3	4	5	6	7	8	9	10	11	12	ELM	SEC	TOTAL
Anchorage	249	3,426	3,901	3,378	3,051	2,981	3,108	3,133	3,089	3,308	2,663	2,692	2,776	2,853	23,227	17,381	40,608
Bristol Bay	2	15	25	16	16	18	25	9	14	20	23	15	18	18	126	109	235
Cordova		44	37	35	23	25	29	25	33	30	40	26	19	20	218	170	388
Craig		15	14	14	14	16	5	11	19	19	11	14	7	9	89	79	168
Dillingham	1	31	33	43	37	31	39	30	26	27	32	28	28	26	245	167	412
Fairbanks	142	1,163	1,269	1,148	1,071	1,013	998	944	964	1,011	1,088	858	658	647	7,748	5,226	12,974
Galena		12	10	10	15	8	17	10	11	10	7	10	9	9	82	56	138
Haines	5	31	35	33	22	20	26	29	45	38	34	34	22	26	201	199	400
Hoonah	7	16	17	18	19	16	14	12	17	23	14	11	11	16	119	92	211
Hydaburg		8	11	10	6	6	8	12	10	6	9	8	5	9	61	47	108
Juneau	13	359	466	393	371	360	350	346	350	367	343	326	275	269	2,658	1,930	4,588
Kake		12	23	18	17	9	13	21	9	20	14	16	17	17	113	93	206
Kenai	54	682	738	667	724	616	631	541	595	665	626	606	514	471	4,653	3,477	8,130
Ketchikan	15	196	193	182	188	177	159	184	186	204	220	217	214	182	1,294	1,223	2,517
King Cove		12	4	19	5	10	5	7	12	5	12	9	10	4	62	52	114
Klawock		9	11	12	13	10	8	15	15	16	13	13	10	10	78	77	155
Kodiak	9	222	210	196	202	176	157	188	151	180	183	154	146	129	1,360	943	2,303
Matanuska-Susitna	55	789	821	748	709	658	665	636	679	669	636	559	450	363	3,081	3,356	8,437
Nenana		7	7	11	14	7	10	8	7	14	6	6	9	6	64	48	112
Nome	9	65	52	61	55	65	58	71	64	57	58	66	53	41	436	339	775
North Slope	9	109	110	91	84	78	67	66	74	77	82	60	52	85	614	430	1,044
Pelican		4	4	5	4	3	7	4	2	3	3	1	1	1	31	11	42
Petersburg		29	50	56	49	51	44	42	46	52	38	41	36	37	321	250	571
Saint Marys	1	8	14	7	8	12	12	10	7	11	5	1	4	1	72	29	101
Sand Point		9	6	11	13	9	11	7	8	5	6	7	12	5	66	43	109
Sitka	26	162	144	131	127	114	107	122	134	129	137	114	102	102	933	718	1,651
Skagway	3	16	6	10	7	7	10	10	8	12	15	9	14	7	69	65	134
Tanana		9	4	6	5	4	3	4	4	7	6	7	1	10	35	35	70
Unalaska		8	11	14	11	8	1	10	12	16	10	6	15	6	63	65	128
Valdez	7	56	50	65	49	55	45	60	54	67	72	51	31	121	387	396	783
Wrangell		33	44	35	33	32	38	31	45	41	39	28	36	29	246	216	464
Yakutat		17	9	12	12	10	15	12	7	22	13	10	10	15	87	77	164

CITY TOTALS 607 7,574 8,329 7,455 6,974 6,605 6,685 6,610 6,697 7,131 6,458 6,006 5,565 5,544 50,839 37,401 88,240

This report is taken from the Final Quarter Attendance Report completed by the school districts. Enrollments were counted on the last day of school.

Regional Educational Attendance Areas
Final Enrollment by Grade, 1984-85

DISTRICT	PE	KG	1	2	3	4	5	6	7	8	9	10	11	12	ELM	SEC	TOTAL
Adak	4	53	52	48	41	51	48	48	34	43	33	27	30	19	345	186	531
Alaska Gateway		34	55	31	50	35	32	47	37	46	43	35	33	21	284	215	499
Aleutian Region		9	8	8	7	10	8	7	6	8	9	3	10	9	57	45	102
Annette	5	39	38	29	26	36	27	22	29	28	33	22	34	20	222	166	388
Bering Strait	8	111	122	80	105	86	115	75	101	84	80	74	63	56	702	458	1,160
Chatham		37	31	31	21	29	19	33	22	18	24	12	18	15	201	109	310
Chugach		10	13	16	11	10	13	5	11	17	6	5	5	4	78	48	126
Copper River	4	44	56	41	41	33	40	41	50	58	44	38	45	34	300	269	569
Delta/Greely	26	93	102	92	79	75	74	76	67	72	84	51	66	44	617	384	1,001
Iditarod	6	41	30	36	35	36	37	33	20	26	32	17	24	16	254	135	389
Kuspuk		42	28	32	26	26	26	22	14	23	26	30	28	29	202	150	352
Lake & Peninsula	4	36	29	32	38	23	31	18	23	23	14	14	20	21	211	115	326
Lower Kuskokwim	23	204	184	153	156	153	179	162	163	171	207	179	186	212	1,214	1,118	2,332
Lower Yukon		110	103	107	108	95	97	114	82	96	92	102	94	96	734	562	1,296
Northwest Arctic	9	145	129	112	118	118	114	69	127	98	108	74	87	93	814	587	1,401
Pribilof Islands		18	16	17	11	15	10	12	12	17	14	10	9	2	99	64	163
Railbelt		38	45	18	25	28	24	27	31	28	27	20	26	25	205	157	362
Southeast Island		54	48	34	39	40	31	35	39	39	35	32	23	8	281	176	457
Southwest Region	1	43	39	43	40	33	26	43	32	37	46	36	32	45	268	228	496
Yukon Flats		40	47	32	46	32	34	19	24	27	20	27	15	19	250	132	382
Yukon-Koyukuk		53	55	52	55	46	45	45	38	42	44	41	17	36	351	218	569

REAA TOTALS 90 1,254 1,230 1,044 1,078 1,010 1,030 953 962 1,001 1,021 849 865 824 7,689 5,522 13,211

CITY TOTALS 607 7,574 8,329 7,455 6,974 6,605 6,685 6,610 6,697 7,131 6,458 6,006 5,565 5,544 50,839 31,401 88,240

Cent. Corresp. Study 71 42 40 27 40 30 26 36 46 113 36 40 16 276 287 563

STATE TOTALS 697 8,899 9,601 8,539 8,079 7,655 7,745 7,589 7,695 8,178 7,592 6,891 6,470 6,384 58,804 43,210 102,014

This report is taken from the Final Quarter Attendance Report completed by the school districts. Enrollments were counted on the last day of school.

TABLE B-3. EDUCATIONAL ATTAINMENT OF ALASKA URBAN AND RURAL POPULATION
BY SEX, OVER 25 YEARS OF AGE, 1980

Population/ School Years Completed	Natives						Non-Natives					
	Total		Urban		Rural		Total		Urban		Rural	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Population Over 25 Years of Age	13,789	13,559	3,650	4,835	10,139	8,724	99,643	84,406	68,116	60,296	31, 27	24,110
School Years Completed by % of Population Over 25 Years												
No School	8.2	6.7	3.4	2.4	10.0	9.1	.2	.2	.1	.2	.3	.3
Elementary												
1-4 Years	11.5	10.9	4.7	4.2	13.9	14.6	.6	.5	.6	.5	.6	.4
5-7 Years	11.4	12.0	7.1	8.4	12.9	15.2	1.3	1.0	1.4	1.1	1.1	1.0
8 Years	10.6	10.2	8.0	9.0	11.3	10.9	2.4	2.0	1.9	1.9	3.5	2.3
High School												
1-3 Years	12.1	13.5	15.3	14.5	11.0	12.9	7.6	8.2	7.0	7.8	8.7	9.2
4 Years	31.7	32.0	39.1	41.0	29.1	27.0	30.1	42.1	37.5	42.6	39.4	41.2
College												
1-3 Years	11.1	10.4	14.3	14.1	10.0	8.3	23.9	24.8	24.4	25.3	22.9	23.5
4 Years	2.0	2.2	4.6	4.4	1.0	1.0	12.2	11.8	13.1	11.9	10.4	11.3
5 or More Years	1.3	1.3	2.7	2.1	.6	1.0	13.7	9.3	13.9	8.7	13.1	10.8
Median Years of School Completed												

SOURCE: Adapted from ISER Database, Table 46, STF40.

G

ATTACHMENTS

- G-1: Value of Alaska Crude Oil and Natural Gas Production (Source: State of Alaska, Department of Commerce and Economic Development, The Alaska Economy: Year End Performance Report, 1985 (1986) at 12 ("Alaska Economy")).
- G-2: Crude Oil Production in Alaska 1959-1984 (Source: State of Alaska, Department of Education, Division of Libraries, Alaska Blue Book 1985 (1985) at 270) ("Blue Book").
- G-3: Projected Daily Oil Production, North Slope Fields (Source: State of Alaska, Office of Management and Budget, Executive Budget, Fiscal Year 1987 (January 1986) at 17).
- G-4: Fish Production and Value (Source: Alaska Economy at 8).
- G-5: Timber Harvest in Southeast Alaska by Ownership (Source: Alaska Economy at 10).
- G-6: Forestry, Lumber and Wood Products, and Paper and Allied Products Employment and Wages (Source: Alaska Economy at 9).
- G-7: Total Housing Units Authorized; Housing Units Authorized; Total Housing Units Authorized by Building Permits and Public Contracts (Source: Alaska Economy at 18.)
- G-8: Nonresident Tourism Statistics of Alaska (Source: Alaska Economy at 31).
- G-9: Government Employment; Total Government Employment and Wages; Federal Government Employment and Wages; Active Duty Military Personnel; State Government Employment and Wages (Source: Alaska Economy at 33).
- G-10: Employment and Population in Alaska (Source: State of Alaska, Department of Commerce and Economic Development, The Alaska Economic and Statistical Review (1984) at 45 ("Economic and Statistical Review"); and Statewide Employment (Source: State of Alaska, Department of Commerce and Economic Development, Alaska Economic Indicators (February 1986) at Figure 7 ("Alaska Economic Indicators")).
- G-11: Alaska and U.S. Unemployment Rate (Source: Alaska Economic Indicators at Figure 9).

- G-12: Employment Status of Civilian Noninstitutional Population 16 Years of Age and Over By State, 1984-1985 Annual Averages (Source: United States Department of Labor, Bureau of Labor Statistics, State Unemployment in 1985 (March 3, 1986); Civilian Labor Force and Unemployment by State (Source: United States Department of Labor, Bureau of Labor Statistics, State and Metropolitan Area Employment and Unemployment: April 1986 (June 17, 1986))).
- G-13: Alaska Employment and Unemployment Rate by Census Area (Source: Economic and Statistical Review at 51).
- G-14: Per Capital Personal Income, By States and Regions, 1982-1985 (Source: United States Department of Commerce, Bureau of Economic Analysis, 1985 State Per Capita Personal Income (May 6, 1986)).
- G-15: Per Capita Personal Income, For Counties and Metropolitan Areas, 1979-1984; Total Population, for Counties and Metropolitan Areas (Source: United States Department of Commerce, Bureau of Economic Analysis (1986)).
- G-16: Inter-City Cost of Living Index (Source: American Chamber of Commerce Researchers Association (1986)).
- G-17: Alaska Geographic Differential Study (Source: The McDowell Group and Alaska Attitudes, Inc. (1985), Volume I at 7-12, 17-19, Errata Sheet).
- G-18: Autumn 1981 Urban Family Budgets and Comparative Indexes for Selected Urban Areas (Source: United States Department of Labor, Bureau of Labor Statistics (April 16, 1982)).

Table 15
Value of Alaska Crude Oil
and Natural Gas Production

Year	\$ Crude Oil a/	\$ Natural Gas b/
1980	9,247,327,000	135,303,000
1981	12,395,680,000	83,340,000
1982	12,120,865,000	55,347,000
1983	10,619,448,000	55,885,000
1984	10,810,724,000	113,669,000
1985 c/	10,249,647,000	107,770,000

a/ Values for Prudhoe Bay are at Pump Station 1 (where oil enters pipeline) which excludes pipeline transportation charges.

b/ Values for dry and liquid gas, including casing head gas.

c/ Estimate.

Source: Department of Natural Resources, Division of Oil and Gas.

Crude Oil Production in Alaska 1959-1984
(In Thousands of 42-Gallon Barrels)

Year	Cook Inlet					North Slope			Total All Fields
	Beaver Creek	Granite Point	McArthur River	Middle Ground Shoal	Swanson River	Trading Bay	Prudhoe Bay	Kuparuk River	
1959	—	—	—	—	187	—	—	—	187
1960	—	—	—	—	578	—	—	—	578
1961	—	—	—	—	8,327	—	—	—	8,327
1962	—	—	—	—	10,256	—	—	—	10,256
1963	—	—	—	—	10,740	—	—	—	10,740
1964	—	—	—	—	11,054	—	—	—	11,054
1965	—	2	1	27	11,089	2	—	—	11,131
1966	—	0	1	2,648	11,711	0	—	—	14,362
1967	—	7,052	749	7,404	12,980	729	—	—	28,913
1968	—	13,131	21,782	14,134	13,819	3,477	—	—	66,144
1969	—	9,183	31,301	10,487	13,151	9,938	277	—	74,315
1970	—	7,522	40,166	12,719	12,408	9,603	1,199	—	83,614
1971	—	5,577	40,537	11,304	11,488	8,744	1,157	—	78,788
1972	—	4,663	40,774	9,720	8,898	8,588	322	—	73,561
1973	416	4,787	38,884	10,239	10,084	7,825	344	—	73,139
1974	373	4,237	30,137	9,001	9,788	7,557	2,155	—	72,287
1975	322	4,381	40,878	8,870	8,754	6,128	2,370	—	71,980
1976	302	4,471	35,810	8,864	7,581	5,388	4,604	—	67,008
1977	278	4,711	33,235	7,816	5,981	4,278	115,258	—	171,352
1978	223	4,883	30,223	6,382	4,870	3,587	397,679	—	447,805
1979	211	5,613	25,440	5,423	4,344	2,892	468,412	—	511,335
1980	214	4,394	20,884	4,854	3,724	2,187	555,393	—	591,641
1981	180	3,981	18,022	4,251	2,938	1,688	555,173	1,092	587,342
1982	182	3,487	15,808	3,573	2,982	1,384	558,100	32,408	616,910
1983	170	3,550	13,584	3,361	3,017	1,081	560,884	39,879	625,527
1984	159	3,287	11,707	3,238	2,517	1,077	582,248	48,189	630,401

Includes Redoubt shoal field which produced 1,598 barrels

(Source: Alaska Statistical Review 1982, Vol. 1: Alaska Oil and Gas Conservation Commission 1984 Statistical Report, 1)