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Regional Copper-Nickel Study
DEMOGRAPHICS AND VITAL STATISTICS

Minnesota Environmental Quality Board

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ABSTRACT

To meaningfully evaluate the health status of a population and make comparisons with other populations, an understanding of the population characteristics is necessary. This paper briefly discusses the health significance of demographic variables and vital statistics, and presents, for reference purposes, some of the more recent data for northeast Minnesota using tables and figures.

This report was prepared as part of the human health studies and should be used in conjunction with other human health studies reports. An analysis of demographic data has been prepared by the Socioeconomic group of the Regional Copper-Nickel Study.

INTRODUCTION TO THE REGIONAL COPPER-NICKEL STUDY

The Regional Copper-Nickel Environmental Impact Study is a comprehensive examination of the potential cumulative environmental, social, and economic impacts of copper-nickel mineral development in northeastern Minnesota. This study is being conducted for the Minnesota Legislature and state Executive Branch agencies, under the direction of the Minnesota Environmental Quality Board (MEQB) and with the funding, review, and concurrence of the Legislative Commission on Minnesota Resources.

A region along the surface contact of the Duluth Complex in St. Louis and Lake counties in northeastern Minnesota contains a major domestic resource of copper-nickel sulfide mineralization. This region has been explored by several mineral resource development companies for more than twenty years, and recently two firms, AMAX and International Nickel Company, have considered commercial operations. These exploration and mine planning activities indicate the potential establishment of a new mining and processing industry in Minnesota. In addition, these activities indicate the need for a comprehensive environmental, social, and economic analysis by the state in order to consider the cumulative regional implications of this new industry and to provide adequate information for future state policy review and development. In January, 1976, the MEQB organized and initiated the Regional Copper-Nickel Study.

The major objectives of the Regional Copper-Nickel Study are: 1) to characterize the region in its pre-copper-nickel development state; 2) to identify and describe the probable technologies which may be used to exploit the mineral resource and to convert it into salable commodities; 3) to identify and assess the impacts of primary copper-nickel development and secondary regional growth; 4) to conceptualize alternative degrees of regional copper-nickel development; and 5) to assess the cumulative environmental, social, and economic impacts of such hypothetical developments. The Regional Study is a scientific information gathering and analysis effort and will not present subjective social judgements on whether, where, when, or how copper-nickel development should or should not proceed. In addition, the Study will not make or propose state policy pertaining to copper-nickel development.

The Minnesota Environmental Quality Board is a state agency responsible for the implementation of the Minnesota Environmental Policy Act and promotes cooperation between state agencies on environmental matters. The Regional Copper-Nickel Study is an ad hoc effort of the MEQB and future regulatory and site specific environmental impact studies will most likely be the responsibility of the Minnesota Department of Natural Resources and the Minnesota Pollution Control Agency.

INTRODUCTION

To meaningfully evaluate the health status of a population and make comparisons with other populations, an understanding of the population characteristics is necessary. This paper was prepared to improve understanding of these characteristics and their relationship to observations about the health of a population. In addition, some basic information about vital statistics (such as births, deaths, marriages, divorces) is presented and discussed.

This paper is divided into two major sections: the first briefly discusses the health significance of demographic variables and vital statistics; and the second presents, for reference purposes, some of the more recent data for northeast Minnesota using tables and figures. Variations in the existence and incidence of disease may often be at least partially explained by differences in age, sex, race, and socioeconomic factors (such as income, education, and occupation). Often these variables are related to each other, making it difficult to distinguish between the effects of each one. The purpose of this paper is to make the reader aware of the factors which may affect health.

This paper was prepared as part of the studies on human health and should be used in conjunction with the other human health studies reports. It is not the purpose of this paper to analyze and discuss the demographic data and trends. An analysis of demographic data has been prepared by the Socio-economic group and includes the results of a special survey, not included in this report, which was conducted in April, 1977.

DISCUSSION OF HEALTH-RELATED VARIABLES

Population Size

The number of people in a population is important for several reasons. Larger populations tend to have less variability in health statistics, than do smaller

populations. Eleven percent of the civilian population is hospitalized in a given year (Public Health Service, 1976). Rapidly growing communities or suburbs may have higher incidences of emotional disorders in women and children (Kasl, 1977). See Tables 1, 2, 3, 4, 5, 6.

Age

Some diseases are more common in children, while some are more common in adults. In general, mortality rates are high for new-born children, very low for children over one year of age and then gradually rise with each year of age. Thus, older populations tend to have higher mortality rates than younger populations. Persons over 65 have more and longer stays in hospitals than the general population (Public Health Services, 1976). See Tables 1, 2, 3, 4, 5, 7 and figures 1-12.

Sex

Many diseases vary by sex, some being more common in males and some more common in females. In general, females live longer than males. Differences between males and females may be intrinsically related to sex, or may be due to differences in lifestyles between the sexes. Females are admitted to hospitals more often than males, but males average longer lengths of stay (Public Health Service, 1976). See Tables 1, 3, 4, 5 and Figures 1-12

Race or Ethnic Group

Diseases often vary among races or ethnic groups. In the United States, whites tend to live longer than non-whites (U.S. Bureau of the Census, 1976).

Differences observed between races or ethnic groups may be caused by: genetic differences; different practices or mores, particularly dietary differences; or differences in socio-economic factors (Fox et al., 1970). Lower rates of physical and mental illness have been observed in individuals whose racial or ethnic characteristics are the same as the majority living in an area (Kasl, 1977). See Tables 1, 3, 4, 7.

Population Density

Population density is often used to give an indication of crowding. Very densely populated areas may adversely affect health because of psychological reasons, such as mental stress and lack of privacy (Fox et al. 1970). More densely populated areas are likely to have higher levels of environmental pollution from cars, industry and other sources. Communicable diseases tend to spread through a densely populated area much faster than a sparsely populated area. With the exception of suicide, population density appears to be related more strongly than crowding to general and infant mortality, VD cases, tuberculosis and mental hospital admissions (Kasl, 1977). See Table 9 and Figure 15.

Location of Population

This variable contains some of the same components as population density. Also included would be whether a population is urban (defined as a community of 2500 or more) or rural. Location may also be important in terms of proximity to sources of environmental pollutants or because of natural factors such as climate. Residents of metropolitan areas report more physician visits per year and are more likely to have had preventive exams in the previous two years than the non-metropolitan population (Public Health Service, 1976). Several studies have shown that rural populations have lower rates of mortality, morbidity, and mental hospital admissions (Kasl 1977). See Tables 6, 8, 10 and Figures 13, 14.

Income

In general, people with higher incomes tend to be in better health than those with lower incomes. Although income per se may not affect health, income is closely related to the quality of an individual's environment, access to health services, and lifestyle practices which affect health. Prior to 1964, the poor made fewer physician visits per year than the others. By 1974, after Medicaid came into existence, the poor used physicians services more than the rest of

the population (Public Health Service, 1976). High income persons are more likely to obtain preventive care than low income persons (Public Health Service, 1976). Hospital admission rates and length of stay decreases as income increases (Public Health Service, 1976). Whether poor health is responsible for low income or vice versa is unclear (Fox et al., 1970). See Tables 6, 11.

Education

In general, those with more education tend to be healthier than those with less education. More educated people may be better aware of good health practices. Education is also related to many of the same factors which are related to income. See Table 12.

Occupation

One's occupation may have a considerable effect in changing the risk of acquiring certain diseases. For example, miners have been found to have high rates of silicosis and other respiratory diseases; chemical workers may be exposed to toxic chemicals; white collar workers may be more susceptible to coronary heart disease than blue collar workers (Syme et al., 1964); and the risk of accidents varies with occupation.

Crowding

Crowding is usually expressed as persons per household or persons per habitable room, and is often related to health experience. Correlations between crowding and certain communicable diseases have been observed. Crowding increases the likelihood of children acquiring common communicable diseases (such as measles) at a younger age (Fox et al., 1970; Kasl, 1977). See Table 13.

Birth and Fertility Rates

Birth rates are expressed as the number of live births per 1000 population. Fertility rates relate births to the number of women in the child-bearing age group and are expressed as the number of live births per 1000 women aged

15-44. See Tables 14, 15.

Death Rates

Crude death rates are expressed as the number of deaths per thousand population. In making comparisons between two or more populations, death rates are usually adjusted for age and sometimes sex, race, and other variables discussed in this paper. Adjusted rates are generally more meaningful than crude rates, when comparing two populations. A separate report on mortality has been prepared. (Regional Copper-Nickel Study, 1978). See Tables 14, 15.

Marriages and Divorces

Marriages and divorces may affect or be affected by health experience. Married people tend to be healthier than unmarried people (Kasl, 1977). This may be explained by a selection process which may operate such that healthier people are more likely to get married than less healthy people. Divorces may sometimes increase in a community which is under an extended period of stress. See Table 15.

Life Expectancy

Life expectancy reflects the overall health of a population. As shown in Table 16, Minnesota ranks second highest among the fifty states in life expectancy.

Immunizations

The incidence of many communicable diseases has been severely reduced by immunizations. Several years ago the Minnesota Department of Health conducted a survey concerning immunization levels in school children. Data for northeast Minnesota is shown in Table 17.

Table 1
Minnesota Population Statistics: 1970

	All persons				Male				Female			
	Total		White		Negro and other races		Total		White		Negro and other races	
	Total	White	Total	Negro	Total	White	Total	Negro	Total	White	Total	Negro
all ages	3 864 971	3 726 638	68 922	34 868	1 863 810	1 829 417	34 293	17 641	1 941 161	1 906 621	34 540	17 327
Under 1 year	64 448	64 550	1 668	920	34 072	33 121	951	478	32 376	31 459	917	442
1 year	65 421	63 796	1 825	863	33 668	32 745	923	434	31 953	31 051	902	449
2 years	63 458	61 970	1 688	794	32 668	31 879	839	410	30 990	30 141	849	384
3 years	64 015	64 284	1 731	851	33 688	32 764	924	470	32 377	31 520	807	381
4 years	70 079	68 236	1 793	879	35 549	34 675	874	427	34 480	33 561	919	452
5 years	74 587	72 769	1 793	879	38 105	37 211	894	411	36 477	35 578	899	418
6 years	78 717	76 827	1 890	922	40 460	39 524	936	458	38 257	37 303	954	464
7 years	81 672	79 861	1 811	860	41 566	40 698	888	407	40 086	39 163	923	453
8 years	82 612	80 769	1 843	878	42 034	41 101	933	472	40 578	39 668	910	456
9 years	85 052	83 268	1 784	879	43 827	42 910	917	454	41 725	40 788	867	425
10 years	87 482	85 691	1 791	867	44 591	43 696	895	439	42 891	41 995	896	428
11 years	83 791	81 641	1 650	839	42 785	41 424	861	445	41 006	40 217	789	394
12 years	83 305	81 646	1 459	799	42 569	41 733	836	398	40 736	39 913	823	401
13 years	80 748	79 194	1 554	761	41 121	40 339	782	392	39 627	38 855	772	369
14 years	80 195	78 678	1 567	765	41 237	40 406	831	411	38 958	38 222	736	354
15 years	79 435	77 946	1 489	739	40 637	39 896	743	370	38 796	38 050	746	369
16 years	77 094	75 672	1 422	699	39 408	38 667	741	377	37 686	37 005	681	312
17 years	75 531	74 198	1 333	642	38 364	37 631	683	331	37 167	36 517	650	311
18 years	74 689	73 475	1 414	786	36 323	35 633	690	391	36 566	37 842	724	295
19 years	66 456	65 073	1 383	763	30 934	30 240	694	400	35 522	34 833	689	363
20 years	62 354	60 956	1 398	749	27 432	26 761	671	389	34 922	34 195	727	360
21 years	58 893	57 438	1 255	642	25 753	25 160	593	294	33 140	32 478	662	348
22 years	61 403	60 050	1 353	725	28 210	27 592	618	360	33 195	32 458	735	365
23 years	61 309	60 022	1 287	569	28 926	28 335	591	277	32 383	31 687	696	292
24 years	48 076	47 002	1 076	517	23 119	22 643	476	248	24 959	24 359	600	269
25 years	50 590	49 451	1 139	551	24 902	24 364	538	275	25 688	25 107	581	274
26 years	52 058	50 945	1 113	512	25 894	25 340	554	271	26 164	25 605	559	281
27 years	53 288	52 827	1 062	506	26 815	26 286	529	280	27 074	26 541	533	276
28 years	47 820	46 792	1 028	486	23 670	23 180	490	233	24 150	23 612	538	253
29 years	45 159	44 094	1 065	512	22 567	22 063	504	245	22 592	22 031	561	267
30 years	44 187	43 160	1 027	476	22 189	21 690	499	232	21 998	21 470	528	245
31 years	42 279	41 412	857	403	21 224	20 769	455	226	21 055	20 643	412	177
32 years	40 135	39 958	806	368	20 378	19 980	398	207	20 386	19 978	408	181
33 years	40 135	39 277	858	421	19 833	19 383	450	231	20 302	19 894	408	190
34 years	39 404	38 569	835	419	19 490	19 068	422	211	19 914	19 501	413	208
35 years	38 723	37 942	781	385	19 335	18 942	393	201	19 388	19 000	388	184
36 years	37 428	36 905	723	366	18 795	18 446	349	180	18 833	18 459	374	186
37 years	38 479	37 879	750	383	18 856	18 540	346	193	19 543	19 139	404	190
38 years	38 434	37 955	679	332	19 196	18 882	314	147	19 438	19 073	365	185
39 years	39 449	38 711	738	360	19 438	19 262	316	219	19 811	19 449	362	181
40 years	40 532	39 840	692	364	20 229	19 870	359	187	20 303	19 970	333	177
41 years	39 420	38 978	642	352	19 487	19 165	322	175	20 133	19 813	320	172
42 years	40 762	40 133	629	343	20 238	19 908	330	180	20 524	20 225	299	163
43 years	40 983	40 319	664	373	20 390	20 043	347	202	20 593	20 276	317	173
44 years	40 813	40 175	638	360	20 404	20 069	335	186	20 409	20 106	303	174
45 years	41 503	40 835	668	380	20 754	20 402	352	209	20 749	20 433	316	171
46 years	40 287	39 694	593	349	19 994	19 688	306	180	20 293	20 006	287	169
47 years	40 760	40 131	629	380	20 378	20 064	314	192	20 382	20 067	315	188
48 years	41 274	40 772	552	293	20 224	19 967	257	141	21 100	20 805	295	152
49 years	39 030	38 499	531	293	19 742	19 476	266	150	19 788	19 523	265	143
50 years	39 983	39 442	541	314	19 447	19 191	256	148	20 536	20 251	285	166
51 years	39 460	38 961	479	293	19 224	18 984	240	151	20 216	19 977	239	142
52 years	38 218	37 793	425	227	18 784	18 563	221	129	19 454	19 230	204	98
53 years	38 078	37 607	421	213	18 403	18 274	229	111	19 425	19 233	192	102
54 years	38 287	37 869	418	223	18 569	18 347	213	116	19 727	19 522	205	107
55 years	37 410	37 184	476	247	18 285	18 067	218	122	19 325	19 117	208	125
56 years	35 845	35 455	390	206	17 625	17 437	193	103	18 220	18 023	197	103
57 years	36 018	35 626	392	228	17 393	17 208	185	116	18 425	18 218	207	112
58 years	34 414	34 228	356	213	16 957	16 748	209	116	17 657	17 480	177	97
59 years	37 924	37 523	401	220	15 921	15 712	209	106	17 003	16 811	192	114
60 years	34 184	33 809	387	226	16 450	16 243	207	114	17 746	17 566	180	112
61 years	31 965	31 649	316	179	15 337	15 165	172	100	16 628	16 484	144	79
62 years	30 454	30 342	312	161	14 653	14 504	159	76	15 991	15 838	153	85
63 years	29 418	29 162	256	131	14 128	14 000	128	64	15 290	15 162	128	67
64 years	29 271	28 901	370	172	13 736	13 574	162	80	15 485	15 327	158	92
65 years	27 856	27 573	313	172	13 055	12 903	152	83	14 831	14 670	161	89
66 years	27 549	27 276	273	142	12 771	12 626	145	73	14 778	14 650	128	69
67 years	26 168	25 950	218	120	11 876	11 783	93	47	14 292	14 167	125	73
68 years	24 105	23 895	210	124	11 016	10 912	104	63	13 089	12 983	106	61
69 years	24 447	24 170	277	144	10 824	10 761	113	62	13 573	13 409	164	102
70 years	24 986	24 781	205	118	11 253	11 148	105	59	13 732	13 633	100	59
71 years	22 466	22 274	192	116	9 844	9 859	85	46	12 522	12 415	107	70
72 years	21 222	21 047	175	97	9 461	9 368	93	57	11 761	11 679	82	40
73 years	21 744	21 044	200	112	9 393	9 290	103	63	11 851	11 754	97	49
74 years	20 333	20 153	180	111	8 769	8 693	76	41	11 564	11 460	104	70
75 years	19 210	19 045	165	91	8 364	8 294	70	40	10 846	10 751	95	51
76 years	18 065	17 939	126	72	7 858	7 808	50	33	10 207	10 131	76	39
77 years	17 148	17 040	108	52	7 504	7 446	58	28	9 644	9 594	50	24
78 years	15 155	15 019	136	73	6 550	6 484	66	33	8 665	8 575	70	46
79 years	13 865	13 747	118	67	5 861	5 810	51	25	8 004	7 927	67	42
80 years	13 420	13 301	119	58	5 505	5 434	71	36	7 915	7 867	48	22
81 years	11 525	11 416	109	55	4 671	4 625	46	23	6 854	6 791	63	27
82 years	9 844	9 760	84	42	4 072	4 036	36	15	5 772	5 724	48	22
83 years	8 719	8 654	61	27	3 486	3 448	38	17	5 233	5 216	23	10
84 years												

Table 2. Population of Selected Areas of Minnesota: 1970

Age Group	Minnesota	NE Region *	Aitkin County	Carlton County	Cook County	Itasca County	Koochiching County	Lake County	St. Louis County	Duluth	St. Louis County without Duluth urbanized portion **
All Ages	3,804,971	329,603	11,403	28,072	3,423	35,530	17,131	13,351	220,693	100,578	115,054
0-4	331,771	25,155	701	2,328	256	2,742	1,384	1,079	16,665	7,636	8,639
5-9	402,635	33,132	1,059	3,121	344	3,686	1,835	1,548	21,539	9,093	11,941
10-14	415,021	37,329	1,257	3,345	374	4,334	2,096	1,787	23,969	9,801	13,634
15-19	373,405	33,826	984	2,708	297	3,922	1,885	1,330	22,700	10,174	11,994
20-24	292,037	20,713	410	1,530	144	1,671	912	728	15,318	8,625	5,960
25-29	249,516	17,178	425	1,430	196	1,725	901	738	11,763	5,626	5,840
30-34	206,769	15,796	464	1,478	184	1,585	837	805	10,443	4,627	5,548
35-39	192,863	16,210	468	1,554	181	1,769	906	830	10,502	4,576	5,669
40-44	202,710	18,087	544	1,566	214	1,928	990	808	12,037	5,237	6,545
45-49	202,904	19,049	640	1,643	206	2,186	981	690	12,703	5,459	6,994
50-54	193,956	19,703	729	1,594	197	2,147	1,010	701	13,325	5,643	7,449
55-59	177,011	19,411	773	1,504	216	2,085	940	676	13,217	5,749	7,244
60-64	155,454	15,764	763	1,333	201	1,724	789	516	10,438	4,902	5,390
65-69	130,155	12,299	727	967	147	1,379	554	380	8,145	4,208	3,798
70-74	110,251	9,910	567	756	113	1,058	422	282	6,712	3,602	2,985
75-79	83,443	7,919	461	632	85	763	346	182	5,450	2,754	2,590
80-84	51,330	5,126	261	372	43	524	187	157	3,582	1,758	1,774
85+	33,740	2,996	170	211	25	302	156	114	2,185	1,108	1,060
Total 1960	3,413,864	344,957	12,162	27,932	3,377	38,006	18,190	13,702	231,588	106,844	NA

* Aitkin, Carlton, Cook, Itasca, Koochiching, Lake and St. Louis Counties

** Duluth urbanized portion consists of both Duluth and some nearby communities and has a total population of 105,639

SOURCE: U.S. Bureau of the Census (1971)

Table 3. Population of Carlton, Cook, Lake, and St. Louis Counties: 1970

	1970 population								1960 population	1970 population								1960 population
	All races				White		Negro			All races				White		Negro		
	Total	Male	Female	Male	Female	Male	Female	Total		Male	Female	Male	Female	Male	Female			
	CARLTON									COOK								
All ages	10 672	14 149	15 673	13 883	13 644	3	5	37 938	8 423	1 785	1 632	1 723	1 543	5	9	3 377		
Under 1 year	449	234	215	228	209	-	-	690	54	23	31	21	30	-	-	85		
1 year	430	230	200	221	200	-	-	684	41	23	18	23	18	-	-	77		
2 years	448	248	202	234	196	-	-	701	42	20	22	20	22	-	-	90		
3 years	456	222	234	215	229	-	-	667	69	31	36	31	36	-	-	81		
4 years	545	277	268	274	259	-	-	677	50	30	20	30	18	-	-	80		
5 years	514	273	241	267	233	-	-	665	64	33	31	33	29	-	-	75		
6 years	615	325	290	320	282	-	-	620	72	41	31	41	27	-	-	95		
7 years	672	333	339	322	329	-	-	681	63	29	34	28	31	-	-	69		
8 years	646	337	309	330	320	-	-	614	73	40	31	39	32	-	-	70		
9 years	674	323	351	315	343	-	-	629	72	37	35	37	32	-	-	63		
10 years	677	352	325	346	310	-	-	591	61	45	36	45	36	-	-	80		
11 years	673	341	332	335	323	-	-	575	74	39	35	37	32	-	-	78		
12 years	675	369	306	356	295	-	-	568	62	42	40	37	39	-	-	75		
13 years	679	363	316	344	310	-	-	564	70	36	34	36	32	-	-	80		
14 years	641	314	327	305	320	-	-	606	67	39	28	37	25	-	-	55		
15 years	660	373	285	367	274	-	-	623	76	45	31	43	29	-	-	44		
16 years	614	305	309	298	303	-	-	660	79	47	37	39	33	-	-	68		
17 years	650	347	303	338	298	-	-	655	71	38	33	36	33	-	-	52		
18 years	433	219	214	212	208	-	-	315	34	19	17	19	17	-	-	44		
19 years	351	160	171	176	169	-	-	264	35	15	20	14	20	-	-	20		
20 years	345	176	169	174	164	-	-	260	15	6	9	6	9	-	-	27		
21 years and over	16 225	8 006	8 219	7 904	8 108	1	2	16 412	2 137	1 112	1 025	1 073	983	5	3	1 969		
Under 5 years	2 328	1 211	1 117	1 172	1 093	-	-	3 419	256	127	129	125	124	-	-	2 413		
5 to 9 years	3 121	1 591	1 530	1 554	1 467	-	-	3 220	344	180	164	178	161	-	-	2 372		
10 to 14 years	3 345	1 729	1 606	1 688	1 556	2	1	2 704	374	201	173	192	154	-	-	2 368		
15 to 19 years	2 708	1 426	1 282	1 391	1 254	-	-	1 917	297	159	138	151	132	-	-	1 728		
20 to 24 years	1 530	773	757	759	736	-	-	1 425	144	62	62	62	61	-	-	1 155		
25 to 29 years	1 430	691	739	678	730	-	-	1 559	195	88	108	67	105	-	-	1 175		
30 to 34 years	1 478	699	779	698	763	1	1	1 608	184	97	87	95	82	-	-	216		
35 to 39 years	1 554	777	777	768	763	-	-	1 258	161	99	82	95	74	-	-	1 212		
40 to 44 years	1 566	816	750	808	743	-	-	1 734	214	103	111	94	111	3	-	1 185		
45 to 49 years	1 643	801	842	795	834	-	-	1 695	206	112	94	108	90	-	-	1 209		
50 to 54 years	1 594	828	764	819	757	-	-	1 520	197	114	83	111	80	-	-	204		
55 to 59 years	1 504	792	712	779	703	-	-	1 311	216	112	104	105	98	1	-	1 198		
60 to 64 years	1 333	659	674	649	671	-	-	1 131	201	101	100	97	94	-	-	1 134		
65 to 69 years	947	456	511	450	504	-	-	1 055	147	86	61	85	57	1	-	1 131		
70 to 74 years	754	352	404	349	403	-	-	820	113	56	57	56	56	-	-	99		
75 to 79 years	632	291	341	291	337	-	-	533	65	31	34	50	31	-	-	69		
80 to 84 years	372	159	214	158	211	-	-	310	43	22	21	20	21	-	-	13		
85 years and over	211	69	122	87	120	-	-	201	25	15	10	14	10	-	-	15		
Under 18 years	10 718	5 568	5 150	5 417	5 015	2	2	10 681	1 200	633	567	613	534	-	-	1 317		
18 years and over	3 664	1 697	1 969	1 680	1 970	-	-	3 597	520	276	244	271	232	1	-	1 387		
65 years and over	2 938	1 344	1 592	1 335	1 575	-	-	2 919	413	230	183	225	175	1	-	1 307		
Median age	28.5	27.4	29.5	27.8	29.8	-	-	29.1	32.7	33.9	31.4	33.6	31.5	44.2	11.3	29.4		

	1970 population								1960 population	1970 population								1960 population
	All races				White		Negro			All races				White		Negro		
	Total	Male	Female	Male	Female	Male	Female	Total		Male	Female	Male	Female	Male	Female			
	LAKE									ST. LOUIS								
All ages	12 831	6 793	6 038	6 739	6 116	16	10	13 762	230 693	104 192	112 501	104 672	111 095	378	436	231 588		
Under 1 year	220	98	122	93	122	1	-	1 429	3 326	1 750	1 576	1 689	1 551	20	5	5 413		
1 year	218	112	106	112	106	-	-	422	3 297	1 691	1 606	1 647	1 563	16	20	5 363		
2 years	188	97	91	97	89	-	-	419	3 218	1 668	1 550	1 631	1 503	14	14	5 309		
3 years	211	126	85	126	84	-	-	470	3 326	1 643	1 683	1 600	1 660	18	7	5 312		
4 years	242	109	133	108	132	-	-	411	3 496	1 781	1 717	1 754	1 676	8	16	5 210		
5 years	260	142	118	138	116	-	-	368	3 831	1 930	1 901	1 895	1 867	7	15	5 249		
6 years	300	165	135	164	130	-	-	267	4 200	2 183	2 017	2 125	1 984	22	8	5 196		
7 years	377	170	157	168	154	1	1	360	4 356	2 245	2 111	2 200	2 075	13	11	5 194		
8 years	327	168	159	167	156	1	1	343	4 471	2 273	2 198	2 236	2 151	16	21	4 935		
9 years	334	153	181	153	177	-	-	268	4 681	2 440	2 241	2 388	2 266	13	10	4 614		
10 years	349	189	160	188	159	-	-	305	4 919	2 517	2 402	2 460	2 375	23	6	4 720		
11 years	377	197	180	194	176	1	-	254	4 744	2 456	2 288	2 417	2 247	8	13	4 509		
12 years	331	157	174	156	173	-	-	251	4 774	2 381	2 393	2 348	2 357	9	13	4 698		
13 years	377	196	181	194	180	-	-	268	4 790	2 453	2 337	2 418	2 298	10	11	4 705		
14 years	353	193	160	191	159	-	-	154	4 742	2 494	2 248	2 457	2 266	8	17	3 392		
15 years	298	145	153	142	151	-	-	173	4 750	2 383	2 367	2 352	2 344	11	8	3 550		
16 years	334	172	162	172	161	-	-	189	4 850	2 434	2 416	2 410	2 382	7	4	3 725		
17 years	336	175	161	175	160	-	-	213	4 617	2 353	2 264	2 330	2 235	10	6	3 808		
18 years	220	114	108	114	106	-	-	119	4 564	2 209	2 355	2 188	2 327	14	5	3 135		
19 years	142	74	68	74	67	-	-	102	3 919	1 881	2 038	1 841	2 006	19	12	2 701		
20 years	127	67	60	64	60	3	-	134	3 698	1 727	1 971	1 683	1 946	25	7	2 448		
21 years and over	7 480	3 774	3 706	3 749	3 690	9	3	7 469	132 122	63 300	68 822	62 605	68 136	279	201	138 352		
Under 5 years	1 079	542	537	534	533	1	2	2 111	16 665	8 533	8 132	8 321	7 923	76	62	26 607		
5 to 9 years	1 548	798	750	790	733	2	4	1 264	21 539	11 071	10 468	10 844	10 283	71	65	25 188		
10 to 14 years	1 787	932	855	923	849	1	-	1 244	23 549	12 301	11 648	12 098	11 483	58	40	22 074		
15 to 19 years	1 350	680	650	677	645	-	-	798	22 700	11 260	11 440	11 121	11 294	61	35	16 919		
20 to 24 years	728	361	367	357	366	4	-	917	15 318	7 343	7 975	7 187	7 849	84	42	12 092		
25 to 29 years	718	365	373	360	372	3	-	1 007	11 763	5 885	5 878	5 794	5 768	42	30	11 484		
30 to 34 years	805</																	

Table 4. Population of Duluth: 1970

	1970 population							1960 population
	All races			White		Negro		
	Total	Male	Female	Male	Female	Male	Female	
	DULUTH							
All ages	100 578	47 940	52 638	47 059	51 792	460	397	106 884
Under 1 year.....	1 311	862	749	822	733	19	4	2 445
1 year.....	1 547	780	767	750	743	14	17	2 355
2 years.....	1 486	778	708	752	680	13	14	2 259
3 years.....	1 425	717	708	685	697	18	5	2 214
4 years.....	1 567	798	769	785	741	7	15	2 173
5 years.....	1 649	838	811	816	790	5	15	2 182
6 years.....	1 834	962	872	929	850	19	8	2 168
7 years.....	1 822	952	870	923	852	13	10	2 206
8 years.....	1 806	972	914	945	885	14	20	2 123
9 years.....	1 902	988	914	963	897	13	9	1 943
10 years.....	2 045	1 053	992	1 014	981	22	4	2 058
11 years.....	1 990	1 035	955	1 015	929	5	13	1 945
12 years.....	1 901	927	974	909	954	9	12	2 047
13 years.....	1 905	951	955	936	933	8	9	2 033
14 years.....	1 959	1 020	939	1 004	911	7	14	1 421
15 years.....	1 862	953	909	934	894	9	8	1 590
16 years.....	1 929	974	955	962	940	7	3	1 657
17 years.....	1 957	1 001	956	983	943	9	5	1 634
18 years.....	2 304	1 024	1 280	1 012	1 261	10	5	1 576
19 years.....	2 122	908	1 214	858	1 169	10	12	1 483
20 years.....	2 200	941	1 259	923	1 246	8	7	1 327
21 years and over.....	61 674	28 505	33 168	28 109	32 743	221	188	66 045
Under 5 years.....	7 636	3 935	3 701	3 794	3 594	71	55	11 446
5 to 9 years.....	9 093	4 712	4 381	4 576	4 274	64	62	10 622
10 to 14 years.....	9 801	4 986	4 815	4 878	4 708	51	52	9 504
15 to 19 years.....	10 174	4 860	5 314	4 779	5 227	45	33	7 940
20 to 24 years.....	8 625	3 916	4 709	3 845	4 623	37	40	6 084
25 to 29 years.....	5 626	2 808	2 818	2 745	2 747	36	30	5 457
30 to 34 years.....	4 627	2 267	2 360	2 212	2 305	31	26	6 076
35 to 39 years.....	4 576	2 299	2 277	2 247	2 231	33	21	6 266
40 to 44 years.....	5 237	2 504	2 733	2 457	2 691	33	20	6 574
45 to 49 years.....	5 459	2 657	2 802	2 677	2 766	13	12	6 745
50 to 54 years.....	5 643	2 578	3 065	2 553	3 040	10	11	6 013
55 to 59 years.....	5 749	2 649	3 100	2 626	3 080	10	7	5 569
60 to 64 years.....	4 902	2 226	2 676	2 203	2 657	11	9	5 253
65 to 69 years.....	4 208	1 738	2 470	1 725	2 453	6	8	4 783
70 to 74 years.....	3 602	1 478	2 124	1 473	2 115	5	3	4 065
75 to 79 years.....	2 754	1 151	1 603	1 146	1 595	2	5	2 516
80 to 84 years.....	1 758	739	1 019	738	1 017	1	2	1 263
85 years and over.....	1 108	437	671	435	669	1	1	708
Under 18 years.....	32 278	16 561	15 717	16 127	15 353	211	185	36 453
67 years and over.....	16 216	6 810	9 406	6 769	9 355	22	25	16 486
65 years and over.....	13 430	5 543	7 887	5 517	7 849	15	19	13 335
Median age.....	29.4	27.8	31.2	28.0	31.6	19.9	19.5	32.0

SOURCE: U.S. Bureau of the Census (1971)

Table 5. Population Projections for Selected Areas of Minnesota: 1970 - 2000

STATE OF MINNESOTA

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	169645	162126	143254	136995	166284	159006	141023	173044	180025	172155	165814	158536	153843	147072
5-9	206012	196623	169441	161678	143074	136581	166068	158550	180766	172604	179776	171647	165572	158077
10-14	212672	204011	209141	198376	171991	163128	145233	137803	168581	159966	183488	174126	182490	173200
15-19	185668	187737	210155	204670	206657	198986	169947	163541	143494	138254	166570	160444	181333	174887
20-24	133440	150597	179625	187218	203323	204082	199922	198428	164416	163162	138821	137853	161153	160002
25-29	123848	125668	133551	157304	179780	185641	203461	202389	200086	196795	164542	161817	138955	136734
30-34	103114	103655	132493	125224	142870	156744	192329	185007	217689	201688	214038	196104	176021	161246
35-39	95850	97013	103067	103393	132428	124923	142808	156342	192245	184529	217581	201158	213964	195612
40-44	100748	101962	94666	96266	101820	102620	130811	123975	141052	155143	189878	183132	214917	199434
45-49	100592	102312	98399	100244	92469	94634	99409	100864	127752	121863	137752	152528	185445	180044
50-54	94618	99338	96848	100161	94697	98124	89011	92649	95703	98760	122984	119281	132602	149310
55-59	86181	90830	89067	96154	91160	96955	89155	94970	83793	89675	90079	95580	115751	115463
60-64	74314	81140	78444	86749	81070	91836	82984	92586	81160	90702	76256	85643	81997	91287
65-69	59592	70563	63899	75612	67444	80849	69705	85575	71327	86278	69773	84545	65551	79825
70-74	48920	61431	48331	63614	51826	68180	54710	72872	56539	77131	57858	77785	56580	76203
75-79	36137	47306	35316	51178	34978	52987	37497	56781	39573	60704	40890	64258	41861	64804
80-84	20808	30522	22706	35551	22178	38460	21963	39807	23541	42667	24864	45597	25690	48284
85+	11751	20327	11985	22249	13073	25922	12798	28029	12649	29029	13578	31115	14329	33257
SUM	1863810	1941161	1920388	2002638	1997122	2079658	2088834	2163352	2180391	2241105	2254542	2301169	2308054	2344747
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	331771	280249	325290	354107	352180	324750	300921							
5-9	402635	331119	279655	324618	353370	351423	323649							
10-14	416683	407519	335119	283036	328547	357614	355690							
15-19	373405	414825	405643	333588	281748	327034	356070							
20-24	292037	366843	407405	398350	327578	276674	321155							
25-29	249516	290855	365421	405850	396881	326359	275689							
30-34	206769	257717	299614	377336	419377	410142	337267							
35-39	192863	206460	257351	299150	376774	418739	409576							
40-44	202710	190932	204440	254786	296195	373010	414551							
45-49	202904	198643	187103	200273	249615	290280	365489							
50-54	193956	197009	192821	181660	194463	242265	281912							
55-59	177011	185221	188115	184125	173468	185659	231214							
60-64	155454	165193	172906	175570	171862	161899	173284							
65-69	130155	139511	148293	155280	157605	154318	145376							
70-74	110251	111945	120006	127582	133670	135443	132783							
75-79	83443	86494	87965	94278	100277	105148	106665							
80-84	51330	58257	60638	61770	66208	70461	73974							
85+	32078	34234	38995	40827	41678	44693	47584							
SUM	3804971	3923026	4076780	4252186	4421496	4555711	4652801							

SOURCE: State Planning Agency (1975)

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	12875	12280	10521	10034	12366	11796	13239	12622	12404	11828	10717	10204	9439	8972
5-9	16991	16141	12939	12312	10296	9807	12180	11608	12987	12376	12247	11668	10601	10090
10-14	19224	18105	17105	16186	12839	12187	10177	9669	12015	11426	12901	12261	12207	11593
15-19	17096	16730	18481	17570	15979	15361	12064	11657	9411	9127	11197	10861	12047	11667
20-24	9948	10765	15528	15587	16755	16094	14346	14038	10795	10638	8377	8312	10011	9936
25-29	8497	8661	9224	10023	14546	14238	15971	14768	13423	12769	10191	9783	7852	7618
30-34	7606	8190	8688	8988	9179	10247	14809	14574	16365	15049	13758	13086	10503	10105
35-39	7944	8266	7732	8321	8304	8999	8808	10377	14291	14689	15998	15240	13502	13255
40-44	9060	9027	7984	8375	7624	8315	7973	9068	8404	10450	13792	14835	15564	15442
45-49	9389	9660	9005	9059	7827	8290	7487	8267	7554	9007	8035	10489	13230	14868
50-54	9649	10054	9087	9504	8623	8832	7540	8126	7157	8083	7074	8870	7514	10356
55-59	9763	9648	9158	9824	8552	9200	8164	8597	7126	7903	6809	7904	6898	8717
60-64	7744	8020	8967	9273	8372	9377	7874	8833	7518	8249	6595	7619	6316	7648
65-69	5652	6647	6755	7579	7753	8694	7304	8859	6898	8360	6630	7852	5841	7273
70-74	4530	5380	4714	6016	5557	6824	6387	7840	6031	7983	5733	7568	5519	7117
75-79	3589	4330	3264	4533	3404	5025	4071	5748	4676	6592	4440	6732	4236	6402
80-84	2328	2798	2336	3226	2081	3399	2176	3774	2593	4314	2992	4952	2847	5070
85+	1296	1700	1285	1963	1306	2247	1177	2382	1236	2627	1489	2999	1724	3429
SUM	163181	166422	162773	168373	161363	168932	161747	170807	160884	171470	158975	171231	155851	169558

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	25155	20555	24162	25861	24232	20921	18411
5-9	33132	25251	20103	23788	25363	23915	20691
10-14	37329	33291	25026	19846	23441	25162	23800
15-19	33826	36051	31340	23721	19538	22058	23714
20-24	20713	31115	32849	28384	21433	16689	19947
25-29	17178	19247	28784	30739	26192	19974	15470
30-34	15796	17676	19426	29383	31414	26844	20608
35-39	16210	16053	17303	19185	28980	31238	26757
40-44	18087	16359	15939	17041	18854	28627	31006
45-49	19049	18064	16117	15754	16561	18520	28098
50-54	19703	18591	17455	15666	15240	15944	17870
55-59	19411	18982	17752	16761	15029	14713	15615
60-64	15764	18240	17749	16707	15767	14214	13944
65-69	12299	14334	16447	16163	15258	14482	13114
70-74	9910	10730	12381	14227	14014	13301	12636
75-79	7919	7797	8429	9819	11268	11172	10638
80-84	5126	5562	5480	5950	6907	7944	7917
85+	2996	3248	3553	3559	3863	4488	5153
SUM	329603	331146	330295	332554	332354	330206	325409

* Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis Counties.

COUNTY NAME AITKIN

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	347	354	286	285	365	361	423	419	406	406	349	348	301	301
5-9	557	502	385	380	282	272	368	355	415	404	403	393	342	335
10-14	683	580	618	562	399	394	305	297	385	374	439	430	423	415
15-19	518	466	684	595	571	529	380	384	278	280	356	355	402	403
20-24	190	220	501	465	618	541	522	491	341	347	249	255	316	320
25-29	212	213	211	250	469	431	596	511	487	452	323	325	234	236
30-34	212	252	247	257	211	264	486	458	608	529	501	475	328	339
35-39	219	249	229	281	227	262	201	280	452	463	574	541	467	482
40-44	281	263	246	312	239	332	300	334	280	337	532	520	649	628
45-49	315	325	304	293	246	316	254	345	377	343	381	345	627	519
50-54	339	390	325	345	291	288	243	316	243	339	347	340	343	339
55-59	392	381	378	425	331	351	290	286	240	309	279	335	696	334
60-64	382	381	424	440	383	439	334	353	281	276	235	300	300	323
65-69	381	346	531	431	532	453	477	439	426	345	356	264	311	286
70-74	296	271	392	327	476	393	467	414	408	401	360	316	299	240
75-79	226	235	215	239	280	276	346	333	337	351	297	341	260	269
80-84	138	123	137	174	129	172	171	198	207	239	204	252	180	244
85+	82	82	91	102	85	134	80	133	101	152	120	179	117	188
SUM	5770	5633	6204	6163	6134	6208	6243	6346	6272	6347	6305	6314	6595	6201

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	701	571	726	842	812	697
5-9	1059	765	554	723	819	796
10-14	1263	1180	793	602	759	869
15-19	984	1279	1100	764	558	711
20-24	410	966	1159	1013	688	504
25-29	425	461	900	1107	939	648
30-34	464	504	475	944	1137	976
35-39	468	510	489	481	915	1115
40-44	544	558	571	634	617	1052
45-49	640	597	562	599	720	726
50-54	729	670	579	559	582	687
55-59	773	803	682	576	549	614
60-64	763	864	822	687	557	535
65-69	727	962	985	916	771	620
70-74	567	719	869	881	809	676
75-79	461	454	556	679	688	638
80-84	261	311	301	369	446	456
85+	164	193	219	213	253	299
SUM	11403	12367	12342	12589	12619	12619

COUNTY NAME CARLTON

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0- 4	1211	1117	889	819	1079	997	1240	1145	1220	1122	1065	969	913	820
5- 9	1591	1530	1238	1144	879	811	1078	998	1225	1134	1208	1112	1045	953
10-14	1744	1616	1650	1561	1263	1146	908	812	1101	989	1254	1127	1231	1098
15-19	1426	1282	1697	1547	1551	1452	1196	1078	842	748	1025	915	1160	1036
20-24	773	757	1348	1229	1590	1443	1443	1355	1101	996	767	688	931	838
25-29	691	739	756	764	1311	1188	1575	1403	1393	1295	1065	956	731	652
30-34	699	779	721	814	761	834	1345	1272	1616	1481	1421	1379	1082	1022
35-39	777	777	724	797	724	816	772	850	1336	1279	1611	1489	1414	1373
40-44	816	750	791	788	726	791	763	819	809	846	1363	1279	1627	1478
45-49	801	842	815	758	774	778	712	787	708	808	753	843	1273	1267
50-54	828	766	789	843	789	747	755	772	684	775	650	797	681	830
55-59	792	712	800	771	751	829	757	736	720	756	652	760	624	780
60-64	659	674	758	700	751	745	708	806	706	713	673	734	618	736
65-69	456	511	574	653	656	665	657	712	619	768	623	683	592	701
70-74	352	404	386	488	480	597	550	609	553	650	523	704	525	623
75-79	291	341	262	351	286	417	360	515	413	524	416	560	395	605
80-84	158	214	190	265	173	273	190	324	238	400	275	407	275	435
85+	84	112	84	134	103	164	96	171	106	203	136	252	158	259
SUM	14149	13923	14472	14426	14647	14693	15105	15164	15390	15487	15480	15654	15275	15506

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0- 4	2328	1708	2076	2385	2342	2034
5- 9	3121	2382	1690	2076	2359	2320
10-14	3360	3211	2409	1720	2090	2381
15-19	2708	3244	3003	2274	1590	1940
20-24	1530	2577	3033	2798	2097	1455
25-29	1430	1520	2499	2978	2688	2021
30-34	1478	1535	1595	2617	3097	2800
35-39	1554	1521	1540	1622	2615	3100
40-44	1566	1579	1517	1582	1655	2642
45-49	1643	1573	1552	1499	1516	1596
50-54	1594	1632	1536	1527	1459	1447
55-59	1504	1571	1580	1493	1476	1412
60-64	1333	1458	1496	1514	1419	1407
65-69	967	1227	1321	1369	1387	1306
70-74	756	874	1077	1159	1203	1227
75-79	632	613	703	875	937	976
80-84	372	455	446	514	638	682
85+	196	218	267	267	309	388
SUM	28072	28898	29340	30269	30877	31134

COUNTY NAME COOK

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	127	129	87	82	94	91	111	106	105	100	88	84	69	66
5-9	180	164	130	131	86	81	94	90	109	104	102	98	86	82
10-14	201	173	183	167	128	130	85	80	92	88	107	102	101	96
15-19	159	138	191	161	168	151	120	119	77	72	84	80	97	91
20-24	62	82	130	117	154	133	135	125	94	99	61	59	66	65
25-29	88	108	59	84	122	115	147	131	125	122	89	96	57	57
30-34	97	87	110	116	84	92	149	124	176	140	157	131	117	103
35-39	99	82	104	89	130	115	111	93	176	124	204	140	190	130
40-44	103	111	99	86	102	93	122	121	103	97	167	128	192	148
45-49	112	94	104	112	97	85	102	91	132	119	118	96	180	127
50-54	114	83	116	94	100	110	97	85	115	90	273	117	286	95
55-59	112	104	117	90	115	96	97	107	94	83	120	88	334	114
60-64	101	100	118	100	118	86	115	92	94	103	89	80	123	84
65-69	86	61	88	94	103	94	103	82	100	88	82	98	77	76
70-74	56	57	79	57	76	86	88	85	87	73	85	60	69	90
75-79	51	34	40	64	57	57	55	73	66	72	65	63	63	68
80-84	22	21	33	29	26	49	38	44	36	56	43	56	42	49
85+	15	10	15	13	20	17	15	29	22	27	20	35	24	35
SUM	1785	1638	1803	1686	1780	1681	1784	1677	1803	1657	1954	1631	2173	1576

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	256	169	185	217	205	172
5-9	344	261	167	184	213	200
10-14	374	350	258	165	180	209
15-19	297	352	319	239	149	164
20-24	144	247	287	260	193	120
25-29	196	143	237	278	247	185
30-34	184	226	176	273	316	288
35-39	181	193	245	204	300	344
40-44	214	185	195	243	200	295
45-49	206	216	182	193	251	214
50-54	197	210	210	182	205	390
55-59	216	207	211	204	177	208
60-64	201	218	204	207	197	169
65-69	147	182	197	185	188	180
70-74	113	136	162	173	160	165
75-79	85	104	114	128	138	128
80-84	43	62	75	82	92	99
85+	25	28	37	44	49	55
SUM	3423	3489	3461	3461	3460	3585

COUNTY NAME ITASCA

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	1370	1372	1093	1039	1350	1292	1541	1465	1460	1388	1246	1180	1062	1005
5-9	1860	1826	1423	1423	1082	1029	1376	1313	1521	1450	1450	1381	1223	1163
10-14	2213	2139	1920	1886	1421	1425	1095	1047	1358	1303	1512	1446	1427	1362
15-19	2081	1841	2150	2060	1786	1752	1364	1358	1005	963	1256	1209	1385	1328
20-24	774	897	1926	1741	1959	1881	1641	1676	1215	1234	900	876	1115	1089
25-29	812	913	758	905	1819	1640	1908	1805	1544	1517	1152	1161	838	812
30-34	770	815	857	963	752	913	1871	1690	1945	1814	1570	1524	1161	1159
35-39	811	958	802	847	810	962	719	946	1789	1694	1882	1824	1499	1511
40-44	991	937	832	982	786	840	785	981	698	942	1695	1697	1783	1809
45-49	1058	1128	1001	958	815	971	786	849	729	968	650	939	1587	1680
50-54	1061	1086	1053	1140	970	945	807	973	755	836	676	959	591	926
55-59	1074	1011	1029	1086	999	1111	940	941	766	954	716	822	603	938
60-64	885	839	1003	993	946	1045	935	1089	870	912	712	926	656	794
65-69	692	687	775	807	866	935	893	1003	818	1037	768	873	625	883
70-74	544	514	672	642	692	736	758	863	709	916	692	950	646	798
75-79	391	372	407	452	498	547	523	640	568	741	535	788	521	816
80-84	267	257	257	294	270	351	331	429	345	496	377	575	354	611
85+	128	156	150	198	145	220	154	260	188	308	199	356	217	407
SUM	17782	17748	18108	18416	17974	18595	18377	19278	18273	19473	17988	19486	17293	19091

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	2742	2132	2650	3006	2848	2426
5-9	3686	2846	2111	2689	2971	2831
10-14	4352	3806	2846	2142	2681	2958
15-19	3922	4210	3538	2712	1968	2465
20-24	1671	3667	3940	3267	2449	1776
25-29	1725	1663	3459	3713	3061	2713
30-34	1585	1820	1665	3561	3759	3094
35-39	1769	1649	1772	1685	3483	3706
40-44	1928	1814	1626	1766	1630	3392
45-49	2186	1959	1786	1635	1697	1889
50-54	2147	2193	1915	1780	1591	1635
55-59	2085	2115	2110	1881	1720	1578
60-64	1724	1996	1991	2024	1782	1678
65-69	1379	1582	1801	1836	1855	1641
70-74	058	1314	1428	1621	1625	1442
75-79	763	859	1045	1163	1304	1723
80-84	524	551	621	760	841	952
85+	284	348	365	414	496	555
SUM	35530	36524	36569	37655	37746	37474

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COUNTY NAME KOOCHICHING

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	745	639	544	521	667	639	734	704	691	663	583	554	496	473
5-9	934	901	767	659	539	516	666	637	725	695	682	655	572	548
10-14	1084	1016	958	925	764	661	536	515	657	632	716	690	672	648
15-19	972	913	1037	969	881	854	709	615	485	471	598	579	649	628
20-24	445	467	902	866	950	892	800	785	636	562	433	429	531	524
25-29	444	457	436	467	868	818	930	847	766	734	611	528	408	396
30-34	395	442	481	488	457	486	906	845	973	869	804	754	640	544
35-39	420	486	410	457	468	492	450	495	882	851	955	874	785	753
40-44	496	494	426	494	403	453	442	492	417	493	831	850	901	867
45-49	480	501	499	501	417	488	395	449	408	485	388	490	776	843
50-54	512	498	476	505	482	494	486	485	379	443	374	478	351	482
55-59	490	450	494	496	451	493	461	486	387	474	358	433	333	468
60-64	414	375	454	441	452	477	418	477	427	471	357	460	326	419
65-69	275	279	362	359	392	415	395	454	365	454	376	450	312	438
70-74	222	200	227	260	298	329	327	380	330	414	308	415	317	410
75-79	196	150	166	176	168	221	222	283	244	326	247	356	231	357
80-84	106	81	128	119	109	137	111	171	147	219	162	253	164	275
85+	80	72	64	63	75	85	64	97	64	120	84	152	93	174
SUM	8710	8421	8831	8766	8841	8950	8972	9217	8983	9376	8867	9405	8557	9247

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	1384	1065	1306	1438	1354	1142
5-9	1835	1426	1055	1303	1420	1337
10-14	2100	1883	1425	1051	1289	1406
15-19	1885	2006	1735	1324	956	1177
20-24	912	1768	1842	1585	1198	862
25-29	901	903	1686	1777	1500	1139
30-34	837	969	943	1751	1842	1558
35-39	906	867	960	945	1733	1829
40-44	990	920	856	934	910	1481
45-49	981	1000	905	844	893	878
50-54	1010	981	976	891	827	852
55-59	940	990	944	947	861	991
60-64	789	895	929	895	898	817
65-69	554	721	807	849	819	826
70-74	422	487	627	707	744	723
75-79	346	342	389	505	570	603
80-84	187	247	246	282	366	415
85+	152	127	160	161	184	276
SUM	17131	17597	17791	18189	18359	18272

COUNTY NAME LAKE

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0- 4	542	537	413	394	508	486	580	554	555	531	465	446	386	369
5- 9	798	750	543	538	408	391	503	482	573	548	546	524	456	437
10-14	935	858	799	751	542	539	403	387	496	478	564	542	536	517
15-19	680	650	870	786	729	681	494	488	363	347	445	428	506	484
20-24	361	367	631	609	815	733	671	629	454	451	328	316	404	391
25-29	365	373	351	364	631	604	824	724	665	614	449	441	320	305
30-34	382	423	363	376	346	369	635	611	836	729	666	614	448	441
35-39	424	406	381	423	343	376	326	370	606	613	802	729	633	609
40-44	431	377	419	404	374	419	319	372	302	368	568	611	756	722
45-49	345	345	423	373	410	399	363	413	295	367	277	365	529	606
50-54	366	335	333	339	409	367	397	393	349	406	267	361	249	360
55-59	363	313	346	325	316	330	390	359	378	385	329	397	237	353
60-64	268	248	331	299	317	313	291	319	361	348	349	372	299	384
65-69	198	182	230	231	286	282	276	297	256	304	318	332	308	355
70-74	137	145	160	164	190	211	237	258	231	271	216	278	269	304
75-79	73	109	100	122	118	140	142	181	178	221	174	233	163	239
80-84	77	80	142	83	67	95	78	109	94	140	117	171	115	181
85+	48	60	57	62	89	67	46	75	50	83	55	104	67	124
SUM	6793	6558	6892	6643	6898	6802	6975	7021	7042	7204	6935	7264	6681	7181

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0- 4	1079	807	994	1134	1086	911
5- 9	1548	1081	799	985	1121	1070
10-14	1793	1550	1081	790	974	1106
15-19	1330	1656	1410	982	710	873
20-24	728	1240	1548	1300	905	644
25-29	738	715	1235	1548	1279	890
30-34	805	739	715	1246	1565	1280
35-39	830	804	719	696	1219	1531
40-44	808	823	793	691	670	1179
45-49	690	796	809	776	667	642
50-54	701	672	776	790	755	628
55-59	676	671	646	749	763	726
60-64	516	630	630	610	709	721
65-69	380	461	568	573	560	650
70-74	282	324	401	495	502	494
75-79	182	222	258	323	399	407
80-84	157	225	162	187	234	288
85+	108	119	156	121	133	159
SUM	13351	13535	13700	13996	14246	14199

COUNTY NAME ST. LOUIS

AGES	1970		1975		1980		1985		1990		1995		2000	
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
0-4	8533	8132	7209	6894	8295	7930	8610	8229	7967	7618	6921	6618	6212	5938
5-9	11071	10468	8453	8037	7020	6707	8095	7733	8419	8041	7856	7505	6877	6572
10-14	12364	11723	10977	10334	8322	7892	6845	6531	7926	7562	8309	7924	7817	7457
15-19	11260	11440	11852	11452	10293	9942	7811	7615	6361	6246	7433	7295	7848	7697
20-24	7343	7975	10090	10560	10669	10471	9134	9027	6954	6949	5639	5689	6648	6709
25-29	5885	5878	6653	7189	9326	9442	9991	9347	8443	8035	6502	6276	5264	5160
30-34	5051	5392	5909	5974	6568	7289	9417	9574	10211	9487	8639	8209	6727	6497
35-39	5194	5308	5082	5427	5602	5976	6209	7343	9050	9665	9970	9643	8514	8397
40-44	5942	6095	5171	5309	4994	5387	5242	5949	5805	7367	8636	9750	9656	9790
45-49	6278	6425	5859	6064	5068	5253	4875	5333	4905	5917	5468	7407	8258	9826
50-54	6429	6896	5995	6238	5582	5881	4835	5102	4632	5194	4487	5818	5013	7324
55-59	6540	6677	5994	6631	5589	5990	5229	5682	4541	4942	4355	5069	4071	5730
60-64	5035	5403	5879	6300	5405	6272	5073	5697	4779	5426	4180	4747	3994	4908
65-69	3564	4581	4195	5004	4918	5850	4563	5872	4314	5364	4107	5152	3616	4534
70-74	2923	3789	2798	4078	3345	4472	3960	5231	3713	5258	3549	4825	3394	4652
75-79	2361	3089	2074	3129	1997	3367	2423	3723	2870	4357	2706	4391	2603	4048
80-84	1560	2022	1449	2262	1307	2322	1257	2499	1526	2764	1814	3238	1717	3275
85+	859	1208	824	1391	789	1560	722	1617	705	1734	875	1921	1048	2242
SUM	108192	112501	106463	112273	105089	112003	104291	112104	103121	111926	101446	111477	99277	110756

	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
0-4	16665	14103	16225	16839	15585	13539	12150
5-9	21539	16490	13727	15828	16460	15361	13449
10-14	24087	21311	16214	13376	15488	16233	15274
15-19	22700	23304	20235	15426	12607	14728	15545
20-24	15318	20650	21140	18161	13903	11328	13357
25-29	11763	13842	18768	19338	16478	12778	10424
30-34	10443	11883	13857	18991	19698	16848	13224
35-39	10502	10509	11578	13552	18715	19613	16911
40-44	12037	10480	10381	11191	13172	18386	19446
45-49	12703	11923	10321	10208	10822	12475	18084
50-54	13325	12233	11463	9937	9826	10305	12337
55-59	3217	12625	11579	10911	9483	9424	9201
60-64	0438	12179	11677	10770	10205	8927	8907
65-69	8145	9199	10768	10435	9678	9259	8150
70-74	6712	6876	7817	9191	8971	8374	8046
75-79	5450	5203	5364	6146	7227	7097	6651
80-84	3582	3711	3629	3756	4290	5052	4992
85+	2067	2215	2349	2339	2439	2796	3290
SUM	220693	218736	217092	216395	215047	212923	210033

Table 6. Population and Per Capita Income Estimates for Incorporated Places and Minor Civil Divisions in Northwestern Minnesota: 1969-1975

AREA	POPULATION					ESTIMATED PER CAPITA MONEY INCOME (DOLLARS)			PERCENT CHANGE, 1969 TO 1974
	JULY 1, 1975	JULY 1, 1973 (REVISED)	APRIL 1, 1970 (CENSUS)	CHANGE, 1970 TO 1975		1974	1972 (REVISED)	1969	
				NUMBER	PERCENT				
STATE OF MINNESOTA.....	3 916 103	3 687 216	3 806 103	110 002	2.9	4 673	3 701	3 038	53.9
AITKIN COUNTY.....	12 532	12 201	11 403	1 149	10.1	3 060	2 533	2 094	46.1
AITKIN.....	1 878	1 684	1 815	63	3.5	3 519	2 800	2 448	43.8
MILL CITY.....	430	418	357	73	20.4	3 614	2 811	2 154	67.8
MCGRATH.....	77	67	70	7	10.0	3 345	2 602	2 325	43.9
MCGREGOR.....	387	368	331	56	16.9	3 236	2 710	2 250	43.8
PALISADE.....	160	149	149	11	7.4	2 556	2 141	1 777	43.8
TAMARACK.....	105	101	100	5	5.0	2 241	1 877	1 558	43.8
AITKIN TOWNSHIP.....	961	939	845	116	13.7	2 875	2 608	2 225	29.2
BALL BLUFF TOWNSHIP.....	268	283	283	3	1.1	2 520	1 984	1 778	41.7
BALSAM TOWNSHIP.....	58	32	29	5	17.2	2 469	2 068	1 717	43.8
BEAVER TOWNSHIP.....	57	54	50	7	15.0	2 616	2 191	1 816	43.9
CLARK TOWNSHIP.....	170	170	158	12	7.5	2 196	1 889	1 447	31.8
CORNISH TOWNSHIP.....	24	18	25	2	1.2	3 027	2 535	2 104	43.9
FARM ISLAND TOWNSHIP.....	637	540	517	120	23.2	3 921	3 184	2 662	48.4
FLEMING TOWNSHIP.....	170	176	181	-11	-6.1	2 885	2 616	2 096	37.6
GLEN TOWNSHIP.....	374	336	276	100	36.2	3 387	3 073	2 376	42.6
HAUGEN TOWNSHIP.....	144	149	116	28	28.1	2 275	1 906	1 536	40.1
HAZELTON TOWNSHIP.....	474	421	377	97	25.7	4 077	3 173	2 541	60.4
MILL LAKE TOWNSHIP.....	366	365	298	88	29.5	2 582	2 339	1 961	31.7
IDUN TOWNSHIP.....	164	173	162	2	1.2	4 252	3 307	2 534	67.8
JEVNE TOWNSHIP.....	272	279	212	60	28.3	2 838	2 504	1 919	47.9
KIMBERLY TOWNSHIP.....	200	203	203	-3	-1.5	2 567	2 150	1 784	43.9
LAKE SIDE TOWNSHIP.....	302	305	303	-1	-0.3	2 589	2 168	1 800	43.8
LEE TOWNSHIP.....	34	36	39	-5	-12.8	1 944	1 629	1 352	43.8
LIBBY TOWNSHIP.....	60	60	52	8	15.4	4 180	3 468	2 878	43.8
LOGAN TOWNSHIP.....	259	285	251	8	3.2	2 822	2 434	2 020	39.7
MCGREGOR TOWNSHIP.....	139	105	106	33	31.1	2 936	2 486	2 047	43.4
MACVILLE TOWNSHIP.....	204	206	226	-22	-9.7	2 156	1 826	1 653	30.4
MALMO TOWNSHIP.....	216	215	211	5	2.4	2 586	2 166	1 798	43.8
MORRISON TOWNSHIP.....	268	223	222	46	20.7	4 594	3 577	2 969	54.7
MORDLAND TOWNSHIP.....	328	357	368	27	7.3	3 381	2 754	2 210	53.0
PLINY TOWNSHIP.....	168	129	128	-20	-15.9	3 777	2 941	2 441	54.7
RICE RIVER TOWNSHIP.....	152	150	145	7	4.8	2 840	2 378	1 974	43.9
SALO TOWNSHIP.....	110	105	107	3	2.8	2 524	2 285	2 023	24.8
SEAVEY TOWNSHIP.....	54	50	60	-6	-10.0	2 535	2 123	1 762	43.9
SHAMROCK TOWNSHIP.....	554	539	465	89	19.1	3 063	2 424	1 858	65.9
SPALDING TOWNSHIP.....	192	185	175	17	9.7	2 347	1 965	1 631	43.9
SPENCER TOWNSHIP.....	377	361	374	3	0.8	2 582	2 085	1 854	39.3
TURNER TOWNSHIP.....	81	78	77	4	5.2	2 604	2 181	1 810	43.9
VERDON TOWNSHIP.....	70	72	75	-5	-6.7	2 106	1 764	1 464	43.9
WAGNER TOWNSHIP.....	306	310	284	22	7.7	1 720	1 508	1 210	42.1
WAUKENABO TOWNSHIP.....	331	309	292	39	13.8	2 220	1 833	1 570	41.4
WEALTHOOD TOWNSHIP.....	162	149	144	18	12.5	4 592	3 578	3 239	41.8
WHITE PINE TOWNSHIP.....	33	48	50	3	6.0	2 940	2 462	2 044	43.8
WILLIAMS TOWNSHIP.....	108	105	115	-7	-6.1	2 490	2 257	1 873	32.9
WORKHAM TOWNSHIP.....	172	160	159	13	8.2	2 904	2 506	1 922	51.1
CARLTON COUNTY.....	26 689	26 629	28 072	617	2.2	3 761	3 036	2 513	49.7
BARNUM.....	398	343	382	-24	-6.3	3 682	2 988	2 465	48.6
CARLTON.....	939	937	864	55	6.2	3 491	2 824	2 386	48.3
CLOQUET.....	11 296	11 485	11 439	-143	-1.3	4 084	3 292	2 749	48.6
CROWHILL.....	173	181	181	-8	-4.4	3 431	2 762	2 309	48.6
KETTLE RIVER.....	166	168	173	-5	-2.9	2 606	2 141	1 790	45.6
MOOSE LAKE.....	1 371	1 301	1 400	-29	-2.1	4 626	3 871	3 147	67.0
SCANLON.....	1 245	1 233	1 132	113	10.0	4 003	3 226	2 676	49.6
THOMSON.....	167	165	159	8	5.0	3 443	2 771	2 318	48.5
WRENSHALL.....	163	156	147	16	10.9	3 478	2 800	2 341	48.8
WRIGHT.....	105	110	132	-27	-20.5	3 278	2 639	2 207	48.5
ATKINSON TOWNSHIP.....	240	236	251	-11	-4.4	2 927	2 356	1 970	48.6
AUTOBNA TOWNSHIP.....	174	171	166	8	4.8	2 540	2 185	1 827	39.0
BARNUM TOWNSHIP.....	777	766	699	78	11.2	3 301	2 511	2 193	50.5
BESEMAN TOWNSHIP.....	105	89	97	8	6.2	3 148	2 746	2 175	44.7
BLACKHOOF TOWNSHIP.....	546	598	546	-2	-0.4	2 416	1 867	1 702	42.1
MOLYOKE TOWNSHIP.....	153	143	149	4	2.7	2 919	2 499	2 027	44.0
KALEVALA TOWNSHIP.....	408	420	369	37	10.0	2 355	2 052	1 716	37.2
LAKEVIER TOWNSHIP.....	161	149	137	24	17.5	3 958	3 035	2 538	55.9
RANTONA TOWNSHIP.....	414	505	465	-51	-11.0	3 096	2 507	2 146	44.3
MOOSE LAKE TOWNSHIP.....	1 932	1 938	1 170	-138	-11.3	2 849	2 120	1 705	55.4
PERCH LAKE TOWNSHIP.....	617	408	453	34	5.6	3 629	2 902	2 491	57.4
SILVER BROOK TOWNSHIP.....	575	560	503	72	14.3	3 371	4 232	3 414	57.4
SILVER TOWNSHIP.....	373	391	363	10	2.8	2 565	2 067	1 683	52.4
SKELTON TOWNSHIP.....	323	328	300	23	7.7	2 873	2 420	2 024	41.9
SPLIT ROCK TOWNSHIP.....	211	221	206	5	2.4	2 751	2 210	1 939	41.9
THOMPSON TOWNSHIP.....	3 691	3 484	3 322	369	11.1	3 901	3 194	2 344	53.3
TWIN LAKES TOWNSHIP.....	1 289	1 285	1 171	128	10.9	3 230	2 565	2 043	58.1
WRENSHALL TOWNSHIP.....	289	253	250	-1	-0.4	2 854	2 298	1 921	48.8

* Some of these numbers may be different from those in the other tables due to revisions made at a later date.

SOURCE: U.S. Bureau of the Census (1977).

AREA	POPULATION					ESTIMATED PER CAPITA MONEY INCOME (DOLLARS)			
	JULY 1, 1975	JULY 1, 1973 (REVISED)	APRIL 1, 1970 (CENSUS)	CHANGE, 1970 TO 1975		1974	1972 (REVISED)	1969	PERCENT CHANGE, 1969 TO 1974
				NUMBER	PERCENT				
COOK COUNTY	3 688	3 716	3 423	265	7.7	4 466	3 621	2 868	55.7
GRAND MARAIS.....	1 420	1 369	1 301	129	9.1	4 903	3 980	3 128	56.8
SCHROEDER TOWNSHIP.....	366	300	173	133	76.9	3 488	2 832	2 248	55.2
TOFFE TOWNSHIP.....	317	318	298	18	6.0	4 699	3 815	3 029	55.1
ITASCA COUNTY	38 508	37 139	35 530	2 974	8.4	3 615	2 834	2 335	54.8
BIGFORK.....	480	437	399	61	15.3	3 665	2 821	2 421	51.4
BOVEY.....	651	637	658	3	0.3	3 481	2 503	2 127	63.7
COLERAINE.....	1 350	1 156	1 086	64	5.9	4 176	3 280	2 888	44.6
DEER RIVER.....	656	630	615	39	4.8	3 734	2 986	2 404	55.3
EFFIE.....	180	175	165	15	9.1	2 358	1 855	1 529	54.2
GRAND RAPIDS.....	8 024	7 565	7 247	777	10.7	4 207	3 378	2 746	53.2
LA PRAIRIE.....	547	489	413	98	22.8	4 003	3 238	2 640	51.6
CALUMET.....	635	623	660	-25	-5.4	3 453	2 363	1 963	75.9
MARBLE.....	726	714	682	44	6.5	4 300	3 252	2 604	65.1
TACONITE.....	361	370	352	9	2.6	3 551	2 589	2 069	71.6
KEEWATIN.....	1 455	1 309	1 382	73	5.3	4 018	2 954	2 505	60.4
NASHBAUK.....	1 273	1 260	1 341	-69	-5.1	3 835	3 155	2 749	39.5
SQUAN LAKE.....	126	120	113	11	9.7	2 828	2 057	1 698	66.7
WARDA.....	167	159	148	19	12.8	3 890	3 060	2 323	54.2
ZEMPLE.....	75	72	71	4	5.6	2 857	2 247	1 852	54.2
ALWOOD TOWNSHIP.....	51	51	52	-1	-1.9	4 410	3 469	2 860	54.2
ARBO TOWNSHIP.....	785	786	721	24	3.3	4 211	3 190	2 407	74.9
ARDENHURST TOWNSHIP.....	137	129	132	5	3.8	2 596	2 042	1 684	54.2
BALSAM TOWNSHIP.....	312	292	274	38	13.9	3 741	2 722	2 454	52.4
BASS BROOK TOWNSHIP.....	1 664	1 664	1 497	306	20.4	3 632	2 873	2 255	61.1
BEARVILLE TOWNSHIP.....	90	94	99	-9	-9.1	3 136	2 487	2 034	54.2
BIGFORK TOWNSHIP.....	279	279	295	-16	-5.4	2 573	2 154	1 636	57.3
BLACKBERRY TOWNSHIP.....	361	622	420	-39	-9.3	2 782	2 191	1 806	54.1
BOBSTRING TOWNSHIP.....	149	131	125	24	19.2	2 748	2 161	1 948	41.1
CARPENTER TOWNSHIP.....	317	274	252	65	25.8	3 159	2 530	2 086	51.4
DEER RIVER TOWNSHIP.....	529	698	637	92	21.1	3 070	2 342	1 931	59.0
FEELEY TOWNSHIP.....	265	261	296	-10	-3.4	3 009	2 367	1 952	54.1
GOOD HOPE TOWNSHIP.....	64	78	86	-6	-7.0	2 717	2 136	1 925	41.1
GOODLAND TOWNSHIP.....	628	611	614	14	3.4	2 563	1 869	1 485	72.6
GRAND RAPIDS TOWNSHIP.....	11 944	11 012	10 323	1 221	11.8	3 921	3 188	2 620	49.7
GRATTAN TOWNSHIP.....	56	51	51	5	9.8	2 609	2 052	1 692	54.2
GREENRAY TOWNSHIP.....	2 288	2 214	2 207	61	3.7	3 640	2 745	2 281	59.6
HARRIS TOWNSHIP.....	2 004	2 038	1 863	121	6.4	3 740	2 969	2 342	59.7
IRON RANGE TOWNSHIP.....	652	647	637	15	2.4	3 495	2 551	2 116	65.2
KINGHURST TOWNSHIP.....	157	150	150	7	4.7	2 537	1 995	1 645	54.2
LAKE JESSIE TOWNSHIP.....	245	242	229	16	7.0	3 839	3 021	2 422	58.5
LAWRENCE TOWNSHIP.....	376	417	440	-66	-15.0	3 588	2 656	2 190	63.8
LIBERTY TOWNSHIP.....	108	93	70	38	34.3	2 615	2 057	1 696	54.2
LOHE PINE TOWNSHIP.....	601	535	501	100	20.0	4 311	3 147	2 614	64.9
MARCELL TOWNSHIP.....	388	360	274	110	40.1	3 414	2 686	2 214	54.2
MAX TOWNSHIP.....	156	129	134	2	1.5	2 389	1 822	1 432	46.4
MOOSE PARK TOWNSHIP.....	93	75	60	13	16.2	2 860	2 250	1 855	54.2
MORSE TOWNSHIP.....	469	473	416	44	10.6	2 403	1 886	1 432	47.6
NASHBAUK TOWNSHIP.....	2 159	2 059	2 139	10	0.5	3 985	3 006	2 597	52.7
NORE TOWNSHIP.....	65	60	59	1	1.7	3 188	2 508	2 068	54.2
OYENBACHER TOWNSHIP.....	216	222	173	43	26.9	2 322	1 992	1 513	53.5
POMROY TOWNSHIP.....	47	41	41	6	14.6	3 446	2 868	2 365	54.2
SAGO TOWNSHIP.....	175	141	149	26	17.4	3 449	2 509	2 069	66.7
SAND LAKE TOWNSHIP.....	112	125	132	-20	-15.2	2 099	1 628	1 342	56.4
SPANG TOWNSHIP.....	141	161	139	2	1.4	3 107	2 295	2 063	50.6
STOKES TOWNSHIP.....	167	164	171	-4	-2.3	2 868	2 470	2 036	41.8
THIRD RIVER TOWNSHIP.....	43	39	43	-	-	2 210	1 739	1 433	54.2
TROUT LAKE TOWNSHIP.....	816	697	636	180	28.3	3 613	2 806	2 318	63.5
WABANA TOWNSHIP.....	262	270	199	63	31.7	2 836	2 352	1 961	44.6
WANINA TOWNSHIP.....	119	105	93	26	28.0	2 643	2 079	1 715	54.1
WIRT TOWNSHIP.....	113	99	94	19	20.2	2 479	1 950	1 608	54.2
ROOCHICING COUNTY	17 666	17 407	17 131	533	3.1	3 883	3 213	2 580	50.5
BIG FALLS.....	536	543	534	4	0.7	2 722	2 268	1 794	51.7
INTERNATIONAL FALLS.....	6 163	6 249	6 439	-256	-4.0	4 851	3 962	3 209	51.2
ISLAND VIEW.....	68	44	44	4	9.1	5 371	4 544	3 492	53.8
LITTLEFORK.....	835	817	824	11	1.3	4 039	3 558	2 583	56.4
RIZPAH.....	101	120	118	-17	-14.4	2 765	2 339	1 798	53.3
WORTHOM.....	300	309	351	-51	-14.3	3 378	2 681	1 980	70.6
RANIER.....	235	252	255	-20	-7.8	4 825	3 819	2 695	78.0
SOUTH INTERNATIONAL FALLS.....	2 339	2 159	2 116	293	11.5	3 258	2 940	2 241	45.4
LAKE COUNTY	13 780	13 391	13 351	429	3.2	4 224	3 280	2 568	64.5
BEAVER BAY.....	386	364	362	-18	-4.4	5 254	3 742	3 094	69.4
SILVER BAY.....	3 429	3 410	3 504	-75	-2.1	4 663	3 436	2 745	49.9
TWO HARBORS.....	4 465	4 324	4 437	28	0.6	4 274	3 467	2 873	60.0
BEAVER BAY TOWNSHIP.....	847	926	905	92	10.2	3 541	2 758	2 116	67.2
CRYSTAL BAY TOWNSHIP.....	675	636	624	51	6.2	3 427	2 665	2 022	49.5
FALL LAKE TOWNSHIP.....	334	327	328	6	1.8	4 788	3 730	2 943	62.7
SILVER CREEK TOWNSHIP.....	1 056	1 029	923	133	14.4	4 110	3 127	2 467	66.6

AREA	POPULATION					ESTIMATED PER CAPITA MONEY INCOME (DOLLARS)			
	JULY 1, 1975	JULY 1, 1973 (REVISED)	APRIL 1, 1970 (CENSUS)	CHANGE, 1970 TO 1975		1974	1972 (REVISED)	1969	PERCENT CHANGE, 1969 TO 1974
				NUMBER	PERCENT				
ST LOUIS COUNTY.....	216 220	218 268	220 683	-9 473	-2.0	4 243	3 397	2 746	54.5
AURORA.....	2 730	2 594	2 531	219	8.7	4 169	3 333	2 694	54.8
BABBITT.....	2 880	2 681	3 076	-196	-6.4	4 236	3 136	2 579	64.2
BIBBIK.....	1 883	1 476	1 463	-	-	3 865	2 987	2 536	52.4
BROOKSTON.....	120	125	137	-17	-12.4	3 580	2 847	2 323	53.3
BURN.....	1 333	1 352	1 303	30	2.3	3 918	2 905	2 421	61.8
CHISHOLM.....	6 074	6 021	5 913	161	2.7	4 292	3 255	2 609	68.5
COOK.....	694	653	687	9	1.3	4 169	3 242	2 702	54.0
DULUTH.....	93 971	97 059	100 578	-6 607	-6.6	4 489	3 674	2 980	50.0
ELY.....	4 931	5 136	5 219	-288	-5.5	3 895	2 986	2 429	60.4
EVELETH.....	4 522	4 570	4 721	-199	-4.2	4 248	3 337	2 789	54.5
FLOODWOOD.....	613	632	650	-37	-5.7	2 799	2 182	1 749	60.0
FRANKLIN.....	36	40	41	-6	-12.2	3 758	3 007	2 452	53.3
GILBERT.....	2 553	2 417	2 287	266	11.6	3 903	3 017	2 377	64.2
HERMANTOWN.....	6 689	6 715	6 737	-48	-0.7	3 969	3 180	2 579	53.9
HIBBING.....	10 123	15 964	16 194	19	0.1	4 648	3 551	2 856	62.6
HOYT LAKES.....	3 734	3 694	3 634	100	2.8	4 048	3 219	2 454	65.0
IRON JUNCTION.....	132	143	150	-18	-12.0	4 192	3 355	2 735	53.3
KIMNEY.....	486	432	325	121	37.2	3 715	2 846	2 166	69.9
LEONIDAS.....	154	157	157	-3	-1.9	3 952	3 162	2 578	53.3
MCKINLEY.....	240	254	317	-77	-24.3	3 564	2 755	2 083	71.1
MEADOWLANDS.....	153	155	128	25	19.5	4 642	3 466	2 607	76.1
MOUNTAIN IRON.....	3 974	3 502	3 281	293	8.9	4 202	3 230	2 593	65.2
ORR.....	365	335	315	50	15.9	3 875	3 239	2 742	41.3
PROCTOR.....	3 079	3 109	3 123	-44	-1.4	3 748	2 985	2 376	57.7
TOWER.....	713	706	699	16	2.0	3 859	3 094	2 491	54.9
VIRGINIA.....	11 588	11 973	12 463	-875	-7.0	4 839	3 814	2 988	63.0
WINTON.....	269	279	294	-25	-8.5	3 610	2 680	2 180	65.6
ALABO TOWNSHIP.....	293	237	254	39	15.4	3 539	2 784	2 271	55.8
ALBORN TOWNSHIP.....	284	225	261	23	8.8	3 430	2 547	2 076	65.2
ALDEN TOWNSHIP.....	174	178	156	20	12.0	3 671	3 058	2 490	47.4
ANGORA TOWNSHIP.....	242	235	225	17	7.6	3 304	2 454	2 197	50.5
ARROWHEAD TOWNSHIP.....	186	199	156	30	19.2	3 228	2 583	2 106	53.3
AULT TOWNSHIP.....	43	36	42	1	2.4	3 602	2 883	2 350	53.3
BALKAN TOWNSHIP.....	860	784	780	60	10.3	4 471	3 312	2 685	66.5
BASSETT TOWNSHIP.....	43	33	40	3	7.5	3 642	2 914	2 376	53.3
BATTY TOWNSHIP.....	335	339	316	19	6.0	4 843	3 596	2 834	70.9
BIBBIK TOWNSHIP.....	770	789	773	-3	-0.4	3 646	2 863	2 265	61.0
BREITUNG TOWNSHIP.....	870	686	907	-37	-4.1	5 054	3 787	2 931	72.4
BREVATOR TOWNSHIP.....	1 035	1 004	860	153	17.6	3 119	2 690	2 164	44.1
CANOSTA TOWNSHIP.....	1 368	1 404	1 392	-24	-1.7	4 042	3 237	2 625	54.0
CEDAR VALLEY TOWNSHIP.....	187	188	181	6	3.3	3 745	2 997	2 444	53.2
CHERRY TOWNSHIP.....	789	693	593	156	26.3	3 289	2 501	2 029	62.1
CLINTON TOWNSHIP.....	964	944	874	90	10.3	3 825	2 900	2 157	77.3
COLVIN TOWNSHIP.....	253	232	248	5	2.0	3 662	2 930	2 390	53.2
COTTON TOWNSHIP.....	347	331	301	66	19.3	2 969	2 204	1 973	50.5
CULVER TOWNSHIP.....	224	217	237	-13	-5.5	2 679	2 174	1 773	51.1
DULUTH TOWNSHIP.....	1 643	1 613	1 484	159	10.7	3 630	3 086	2 479	46.4
ELLSBURG TOWNSHIP.....	31	27	73	-22	-30.1	3 681	2 996	2 402	53.2
ELMER TOWNSHIP.....	198	187	207	-9	-4.3	4 092	3 038	2 275	79.9
EMBARRASS TOWNSHIP.....	1 090	1 095	1 021	69	6.0	3 304	2 521	2 063	62.1
FAIRBANKS TOWNSHIP.....	85	85	79	-20	-25.3	3 468	2 774	2 263	53.2
FAYAL TOWNSHIP.....	2 188	2 024	2 025	159	7.9	4 768	3 806	2 887	65.2
FIELD TOWNSHIP.....	333	281	315	15	5.7	3 340	2 480	2 022	65.2
FINE LAKES TOWNSHIP.....	112	131	153	-41	-24.8	3 119	2 710	2 033	53.4
FLOODWOOD TOWNSHIP.....	522	447	414	108	26.1	3 062	2 296	1 872	63.6
FREDENBERG TOWNSHIP.....	476	416	408	68	16.7	4 217	3 419	2 788	51.3
FRENCH TOWNSHIP.....	348	268	183	165	90.2	5 857	4 348	3 545	65.2
GNESEN TOWNSHIP.....	708	701	700	8	1.1	4 464	3 602	2 939	51.9
GRAND LAKE TOWNSHIP.....	1 799	1 664	1 539	259	16.8	4 161	3 294	2 578	61.6
GREAT SCOTT TOWNSHIP.....	307	333	290	27	9.6	4 210	3 274	2 670	57.7
HALDEN TOWNSHIP.....	253	219	196	55	27.8	2 767	2 398	2 081	33.0
INDUSTRIAL TOWNSHIP.....	627	573	509	118	23.2	2 873	2 263	1 783	61.1
KELSEY TOWNSHIP.....	178	175	161	17	10.6	2 917	2 333	1 815	60.7
KUGLER TOWNSHIP.....	191	184	174	15	8.5	3 470	2 576	1 929	79.9
LAKWOOD TOWNSHIP.....	1 355	1 362	1 393	-38	-2.7	3 494	2 793	2 254	55.0
LAVELL TOWNSHIP.....	334	362	330	6	1.2	2 837	2 174	1 773	60.0
LEIDING TOWNSHIP.....	394	377	365	28	7.9	4 339	3 221	2 883	50.5
LINDEN GROVE TOWNSHIP.....	103	104	115	-12	-10.4	3 736	2 991	2 434	53.3
MCDAVITT TOWNSHIP.....	395	369	426	-33	-7.7	3 784	2 809	2 457	54.0
MEADOWLANDS TOWNSHIP.....	289	290	307	-18	-5.9	3 445	2 074	1 735	40.9
MIDWAY TOWNSHIP.....	1 765	1 760	1 791	14	0.8	3 569	2 840	2 268	57.4
MISSABE MOUNTAIN TOWNSHIP.....	128	130	149	-21	-14.1	5 139	4 112	3 353	53.3
MORCOM TOWNSHIP.....	141	138	137	4	2.9	1 679	1 343	1 095	53.3
MORSE TOWNSHIP.....	857	870	854	23	2.6	3 692	2 786	2 316	59.4
NESS TOWNSHIP.....	41	48	47	-6	-6.2	3 351	2 681	2 154	53.3
NEW INDEPENDENCE TOWNSHIP.....	149	171	172	-27	-13.4	4 582	3 458	2 830	55.4
NORMANNA TOWNSHIP.....	290	285	317	-27	-8.5	3 756	2 790	2 334	41.0
NORTHLAND TOWNSHIP.....	123	101	100	23	23.0	3 426	2 978	2 229	53.7
OBENS TOWNSHIP.....	353	369	316	39	11.0	3 313	2 554	2 063	59.0
PATHE TOWNSHIP.....	46	47	48	-	-	3 268	2 615	2 132	53.3
PIKE TOWNSHIP.....	377	372	406	-29	-7.1	3 840	2 673	2 342	64.0
PORTAGE TOWNSHIP.....	168	171	163	5	3.1	3 065	2 658	2 234	37.2
PRAIRIE LAKE TOWNSHIP.....	41	43	43	-2	-4.7	3 477	2 782	2 268	53.3
RICE LAKE TOWNSHIP.....	3 851	3 604	3 359	292	8.7	3 822	3 062	2 485	53.8
SANDY TOWNSHIP.....	404	396	347	17	4.0	4 087	3 270	2 667	53.2
SOLWAY TOWNSHIP.....	1 349	1 400	1 378	-29	-2.1	3 672	3 009	2 433	50.9
STONEY BROOK TOWNSHIP.....	130	143	145	-15	-10.3	4 478	3 324	2 711	65.2
STUNTZ TOWNSHIP.....	9 208	4 851	4 440	568	12.2	3 266	2 621	2 064	58.2
STURGEON TOWNSHIP.....	224	187	199	23	11.1	3 639	2 650	2 144	79.1
TOIVOLA TOWNSHIP.....	277	238	243	33	14.0	3 618	2 636	2 011	79.0
VAN BUREN TOWNSHIP.....	170	197	203	-33	-18.3	2 809	2 179	1 777	58.1
VERMILION LAKE TOWNSHIP.....	304	304	305	1	0.3	3 700	2 941	2 414	53.3
WAASA TOWNSHIP.....	434	467	439	-3	-0.7	4 130	3 086	2 308	78.9
WHITE TOWNSHIP.....	1 905	1 898	1 854	51	2.9	3 290	2 515	1 891	74.0
WILLOW VALLEY TOWNSHIP.....	133	142	156	-23	-15.8	3 043	2 451	1 949	52.2
WUORI TOWNSHIP.....	493	481	474	21	4.4	5 078	3 770	3 074	65.2

Table 7. Population Characteristics: Percent Nonwhite, Percent Indian, and Median Age. 1970 & 1974.

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT NON-WHITE					
GEOGRAPHIC AREA	1970		1974		1970 - 1974 CHANGE	
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	110	.96				
CARLTON	525	1.87				
COOK	135	3.94				
ITASCA	862	2.43				
KOOCHICHING	296	1.73				
LAKE	102	.76				
ST. LOUIS	2926	1.33				
REGION	4956	1.50				
STATE	68933	1.81				

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT INDIAN					
GEOGRAPHIC AREA	1970		1974		1970 - 1974 CHANGE	
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	89	.78				
CARLTON	486	1.73				
COOK	117	3.42				
ITASCA	821	2.31				
KOOCHICHING	272	1.59				
LAKE	55	.41				
ST. LOUIS	1531	.69				
REGION	3371	1.02				
STATE	23128	.61				

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	MEDIAN AGE					
GEOGRAPHIC AREA	1970		1974		1970 - 1974 CHANGE	
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN		39.30		43.90		11.70
CARLTON		28.50		30.10		5.61
COOK		32.70		35.70		9.17
ITASCA		29.10		30.90		6.19
KOOCHICHING		27.50		29.40		6.91
LAKE		26.40		28.40		7.58
ST. LOUIS		29.30		30.90		5.46
REGION		29.30		31.00		5.80
STATE		26.80		28.70		7.09

SOURCE: Arowhead Regional Development Commission (1976).

Table 8. Percent of Population Living in Group Quarters. 1970

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT PERSONS LIVING IN GROUP QUARTERS					
GEOGRAPHIC AREA	1970		1974		1970 - 1974	1974 CHANGE
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	165	1.45				
CARLTON	1150	4.10				
COOK	44	1.29				
ITASCA	457	1.29				
KOOCHICHING	200	1.17				
LAKE	169	1.27				
ST. LOUIS REGION	5954	2.70				
STATE	8139	2.47				
	112597	2.96				

SOURCE: Arrowhead Regional Development Commission (1976).

Table 9. Land Area and Population Density. 1970 & 1974

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	LAND AREA AND POPULATION DENSITY					
GEOGRAPHIC AREA	1970		1974		1970 - 1974	1974 CHANGE
	VALUE	RATE*	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	1828	6.24	1828	7.11		13.94
CARLTON	862	32.57	862	33.18		1.87
COOK	1346	2.54	1346	2.66		4.72
ITASCA	2633	13.49	2633	14.51		7.56
KOOCHICHING	3127	5.48	3127	5.63		2.74
LAKE	2062	6.47	2062	6.34		-2.01
ST. LOUIS REGION	6092	36.23	6092	35.59		-1.77
STATE	17950	18.36	17950	18.43		.38
	84068	45.26	84068	46.60		2.96

* Persons per square mile of land area.

SOURCE: Arrowhead Regional Development Commission (1976).

Table 10. Percent Rural Non-Farm, Rural Farm, and Urban Population. 1970.

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT RURAL NON-FARM POPULATION					
	1970		1974		1970 - 1974 CHANGE	
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	7987	70.04				
CARLTON	15627	55.67				
COOK	2702	78.94				
ITASCA	25052	79.51				
KOOCHICHING	9489	55.39				
LAKE	5009	37.52				
ST. LOUIS	55533	25.16				
REGION	121399	36.83				
STATE	790126	20.77				

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT RURAL FARM POPULATION					
	1970		1974		1970 - 1974 CHANGE	
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	3416	29.96				
CARLTON	3618	12.89				
COOK	721	21.06				
ITASCA	3231	9.09				
KOOCHICHING	1190	6.95				
LAKE	487	3.65				
ST. LOUIS	6420	2.91				
REGION	19083	5.79				
STATE	488285	12.83				

DEMOGRAPHIC CHARACTERISTICS						
INDICATOR	PERCENT URBAN POPULATION					
	1970		1974		1970 - 1974 CHANGE	
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	0	0				
CARLTON	8827	31.44				
COOK	0	0				
ITASCA	7247	20.40				
KOOCHICHING	6452	37.66				
LAKE	7055	50.83				
ST. LOUIS	158740	71.93				
REGION	189121	57.38				
STATE	2525758	66.38				

SOURCE: Arrowhead Regional Development Commission (1976).

Table 11. Per Capita Income and Median Family Income 1970.

ECONOMIC AND EMPLOYMENT CHARACTERISTICS						
INDICATOR	PER CAPITA INCOME					
GEOGRAPHIC AREA	1970		1974		1970 - 1974 CHANGE	
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	2094					
CARLTON	2560					
COOK	2868					
ITASCA	2346					
KOCHICHING	2580					
LAKE	2568					
ST. LOUIS	2758					
REGION	2539					
STATE	3052					

ECONOMIC AND EMPLOYMENT CHARACTERISTICS						
INDICATOR	FAMILY MEDIAN INCOME					
GEOGRAPHIC AREA	1970		1974		1970 - 1974 CHANGE	
	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN	5899.00					
CARLTON	8994.00					
COOK	8000.00					
ITASCA	7985.00					
KOCHICHING	8508.00					
LAKE	8803.00					
ST. LOUIS	8997.00					
REGION	8774.00					
STATE	9931.00					

SOURCE: Arrowhead Regional Development Commission (1976).

Table 12. Median Years of Education for Females and Males 25 and Over. 1970

EDUCATION CHARACTERISTICS

INDICATOR	MEDIAN YEARS EDUCATION FEMALE 25+					
	1970		1974		1970 - 1974	CHANGE
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN		11.10				
CARLTON		12.10				
COOK		12.20				
ITASCA		12.10				
KOOCHICHING		12.10				
LAKE		12.30				
ST LOUIS		12.30				
REGION		12.20				
STATE		12.30				

EDUCATION CHARACTERISTICS

INDICATOR	MEDIAN YEARS EDUCATION MALE 25+					
	1970		1974		1970 - 1974	CHANGE
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN		8.90				
CARLTON		11.40				
COOK		12.10				
ITASCA		11.10				
KOOCHICHING		10.50				
LAKE		12.10				
ST LOUIS		11.30				
REGION		12.00				
STATE		12.10				

SOURCE: Arrowhead Regional Development Commission (1976).

Table 13

PROJECTED NUMBER OF HOUSEHOLDS AND PERSONS
PER HOUSEHOLD BY COUNTY AND REGION,
1970-2000

COUNTY	1970		1975		1980		1985		1990		1995		2000	
	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD	TOTAL HOUSE- HOLDS	PER- SONS PER HOUSE- HOLD
Aitkin	3,877	2.90	4,300	2.84	4,575	2.66	4,934	2.52	5,062	2.46	5,045	2.47	5,301	2.38
Carlton	8,113	3.32	8,823	3.14	9,592	2.93	10,494	2.77	11,093	2.67	11,298	2.64	11,270	2.62
Cook	1,174	2.88	1,286	2.68	1,392	2.45	1,483	2.30	1,537	2.22	1,653	2.14	1,811	2.04
Itasca	10,749	3.26	11,803	3.05	12,732	2.83	13,710	2.71	13,900	2.68	13,639	2.71	13,250	2.71
Koochiching	5,215	3.25	5,721	3.04	6,212	2.83	6,690	2.69	6,922	2.62	6,907	2.61	6,807	2.58
Lake	3,952	3.33	4,328	3.09	4,806	2.81	5,257	2.63	5,406	2.60	5,255	2.67	5,114	2.68
St. Louis*	70,176	3.06	72,768	2.92	76,416	2.76	79,536	2.65	80,464	2.60	79,770	2.60	78,842	2.59
3*	103,256	3.11	109,029	2.96	115,725	2.78	122,104	2.66	124,384	2.61	123,567	2.61	122,395	2.59
STATE	1,153,946	3.20	1,243,679	3.06	1,362,539	2.90	1,490,597	2.77	1,595,096	2.69	1,665,734	2.65	1,725,736	2.62

*NOTE: Not based on Alternative St. Louis County Projection.

NOTE: Counties and Regions are not controlled to the State numbers.

SOURCE: State Planning Agency (1975).

Table 14. Selected Vital Statistics for Urban Areas
of
Northeastern Minnesota, 1975

Urban Area*	Live Births	Fetal Deaths**	Deaths	Infant Deaths***	Noenatal Deaths****
Aurora	46	-	33	-	-
Babbitt	33	-	10	-	-
Chisholm	79	1	82	3	2
Cloquet	164	-	147	2	1
Duluth	1,421	11	1,154	25	22
Ely	51	-	76	1	-
Eveleth	70	-	85	-	-
Grand Rapids	112	1	92	4	3
Hibbing	216	5	197	3	2
Hoyt Lakes	60	-	11	-	-
International Falls	137	-	61	2	1
Proctor	47	-	40	-	-
Silver Bay	36	-	13	-	-
Two Harbors	56	1	71	-	-
Virginia	134	2	156	4	2

* Municipalities with population of 2500 or more

** Includes only fetal deaths of 20 weeks or more

*** Deaths under one year of age

**** Deaths during the first four weeks of life

SOURCE: Minnesota Department of Health (1977)

Table 15. Selected Vital Statistics for Selected Regions of Minnesota, 1975

Region	Live Births	Birth Rate**	Fertility Rate***	Deaths	Age and Sex adjusted Death Rate****	Marriages	Divorces
Aitkin	149	11.8	75.2	175	8.3	90	35
Carlton	396	13.9	70.6	285	9.6	255	110
Cook	46	12.8	71.7	33	7.0	37	7
Itasca	627	16.7	85.2	356	8.7	350	148
Koochiching	263	15.0	74.6	140	7.7	162	70
Lake	188	13.2	61.7	104	8.6	112	49
St. Louis	3,069	14.3	70.6	2,300	9.5	1,938	901
- Duluth	1,421	14.8	68.5	1,154	10.6	NA	NA
NE Minnesota*	5,021	14.4	72.9	3,582	9.1	3,114	1,372
Minnesota	56,463	14.4	65.1	32,686	8.3	32,237	13,147

NA Not Available

* Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, Pine, and St. Louis Counties

** Number of live births per 1000 population

*** Number of live births per 1000 women of age 15-44 years

**** Adjusted to the Minnesota population estimates for 1975

SOURCE: Minnesota Department of Health (1977)

Table 16. Average Lifetime in Years for the Top Five States, 1969-1971

State	Both Sexes	Rank*	Male	Female
Hawaii	73.60	1	71.02	76.79
Minnesota	72.96	2	69.38	76.80
Utah	72.90	3	69.49	76.55
North Dakota	72.79	4	69.23	77.01
Nebraska	72.60	5	68.85	76.61
U.S. Average	70.75	-	67.04	74.64

* States are ranked according to the average lifetime for their total population.

SOURCES: United States Bureau of the Census (1976)

Table 17. Percent of School Entrants Properly Immunized.* 1974

HEALTH CHARACTERISTICS

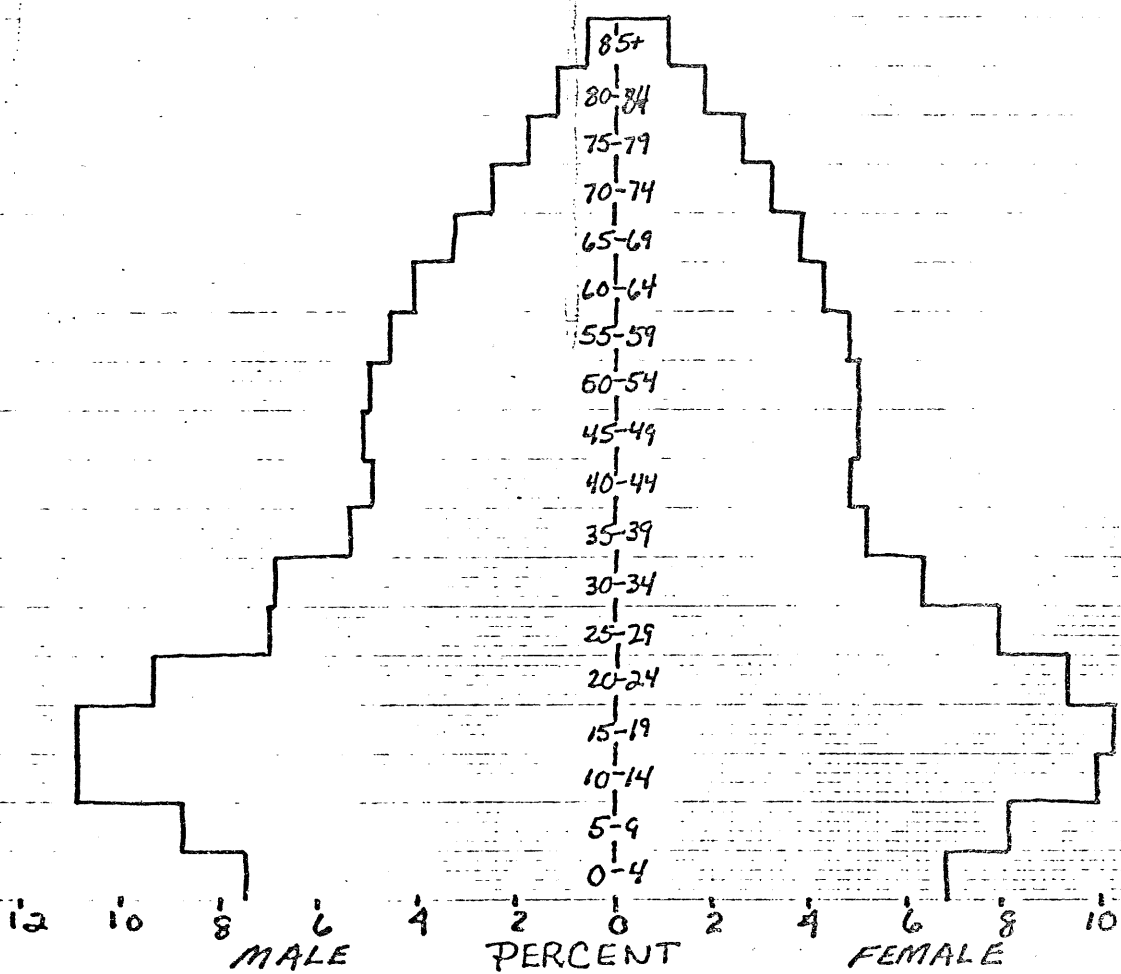
INDICATOR	PERCENT SCHOOL ENTRANTS PROPERLY IMMUNIZED					
	1970		1974		1970 - 1974 CHANGE	
GEOGRAPHIC AREA	VALUE	RATE	VALUE	RATE	% VALUE CHANGE	% RATE CHANGE
AITKIN			77.20			
CARLTON			56.50			
COOK			100.00			
ITASCA			81.40			
KOOCHICHING			44.60			
LAKE			92.50			
ST. LOUIS			77.90			
REGION			74.60			
STATE			80.70			

* Based upon a sample of children entering school having received DPT shot (Diphtheria, Pertussis, Tetanus).

SOURCE: Arrowhead Regional Development Commission (1976).

Figure 1

PERCENT POPULATION BY AGE AND SEX
STATE OF MINNESOTA - 1975

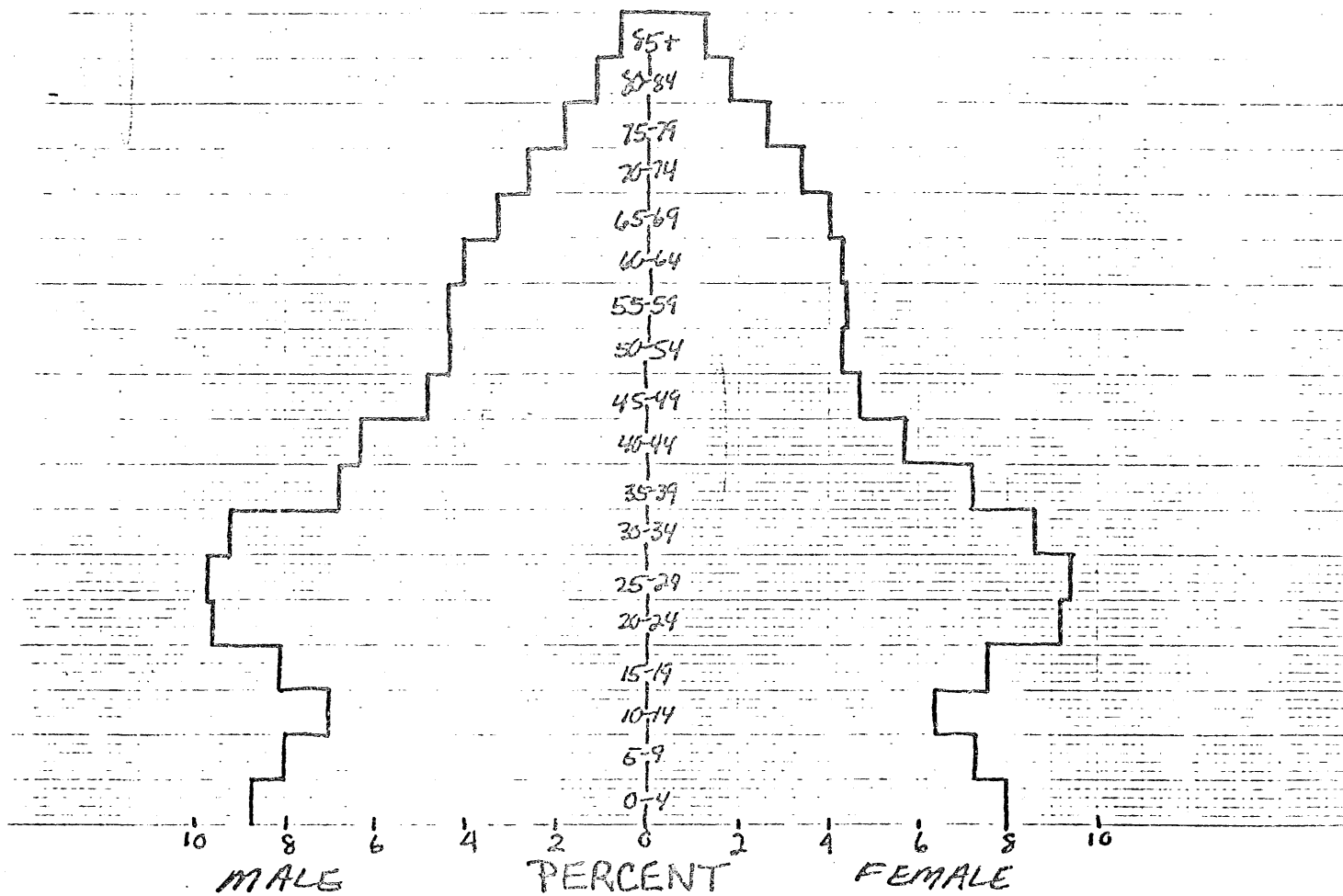


Based upon data presented in Table 5.

Figure 2

PERCENT POPULATION BY AGE AND SEX

STATE OF MINNESOTA - 1985 PROJECTION



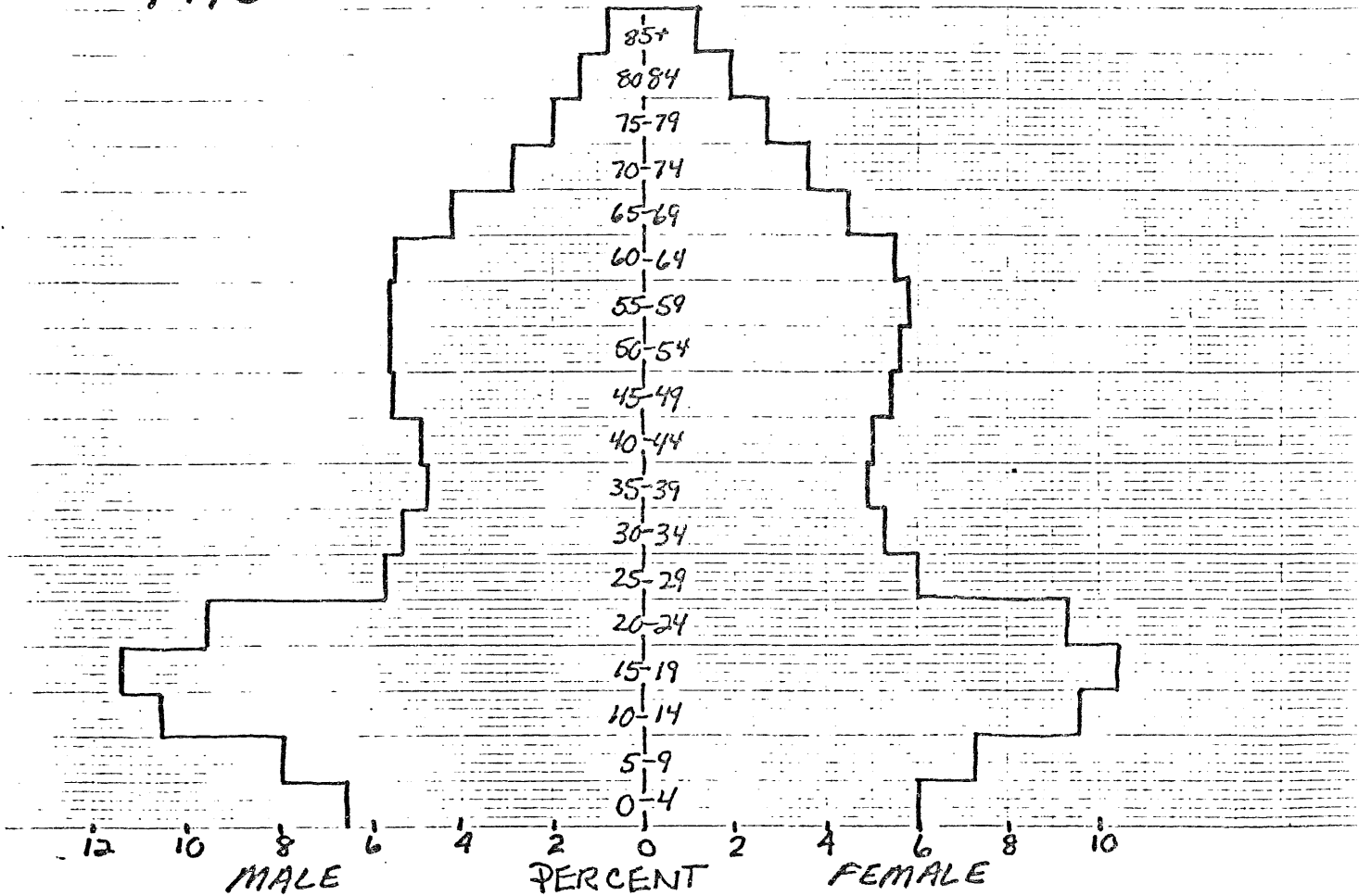
Based upon data presented in Table 5.

Figure 3

PERCENT POPULATION BY AGE AND SEX

REGION 3 (Cook, Carlton, Aitkin, Itasca, Lake,
Koochiching and St. Louis Co.)

1975



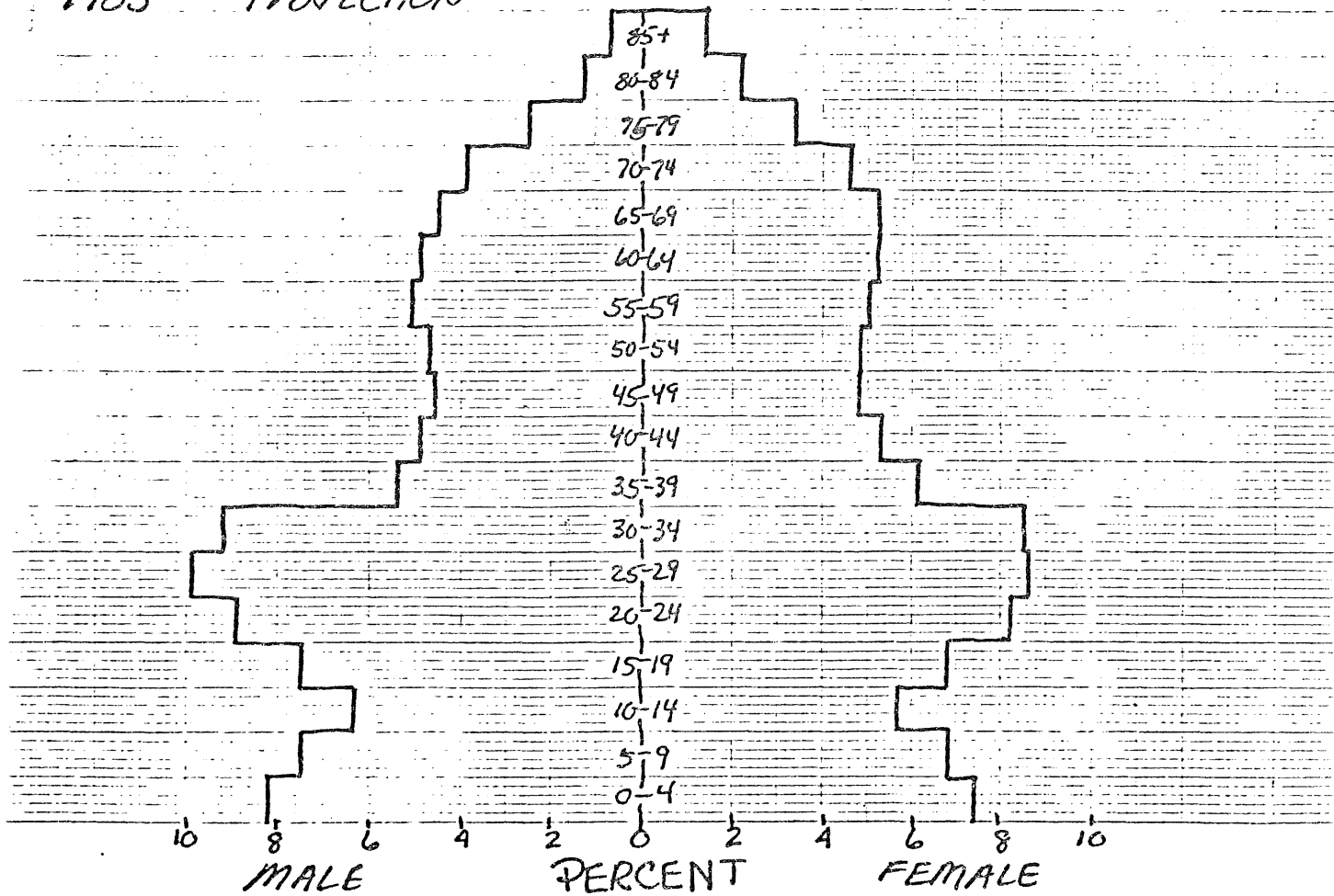
Based upon data presented in Table 5.

Figure 4

PERCENT POPULATION BY AGE AND SEX

REGION 3 (Artkin, Carlton, Cook, Itasca, Lake,
Koochiching and St. Louis Cos.)

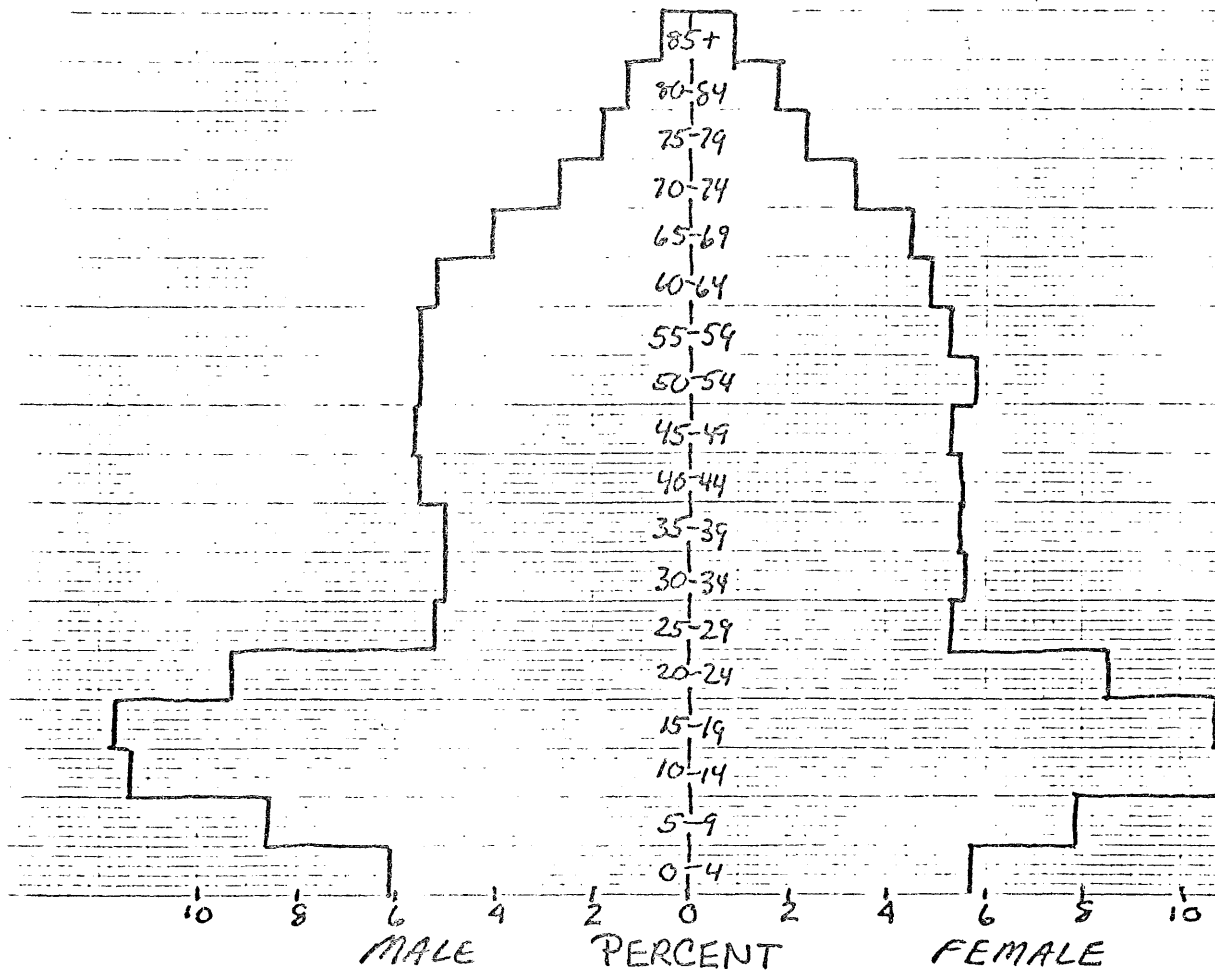
1985 PROJECTION



Based upon data presented in Table 5.

Figure 5

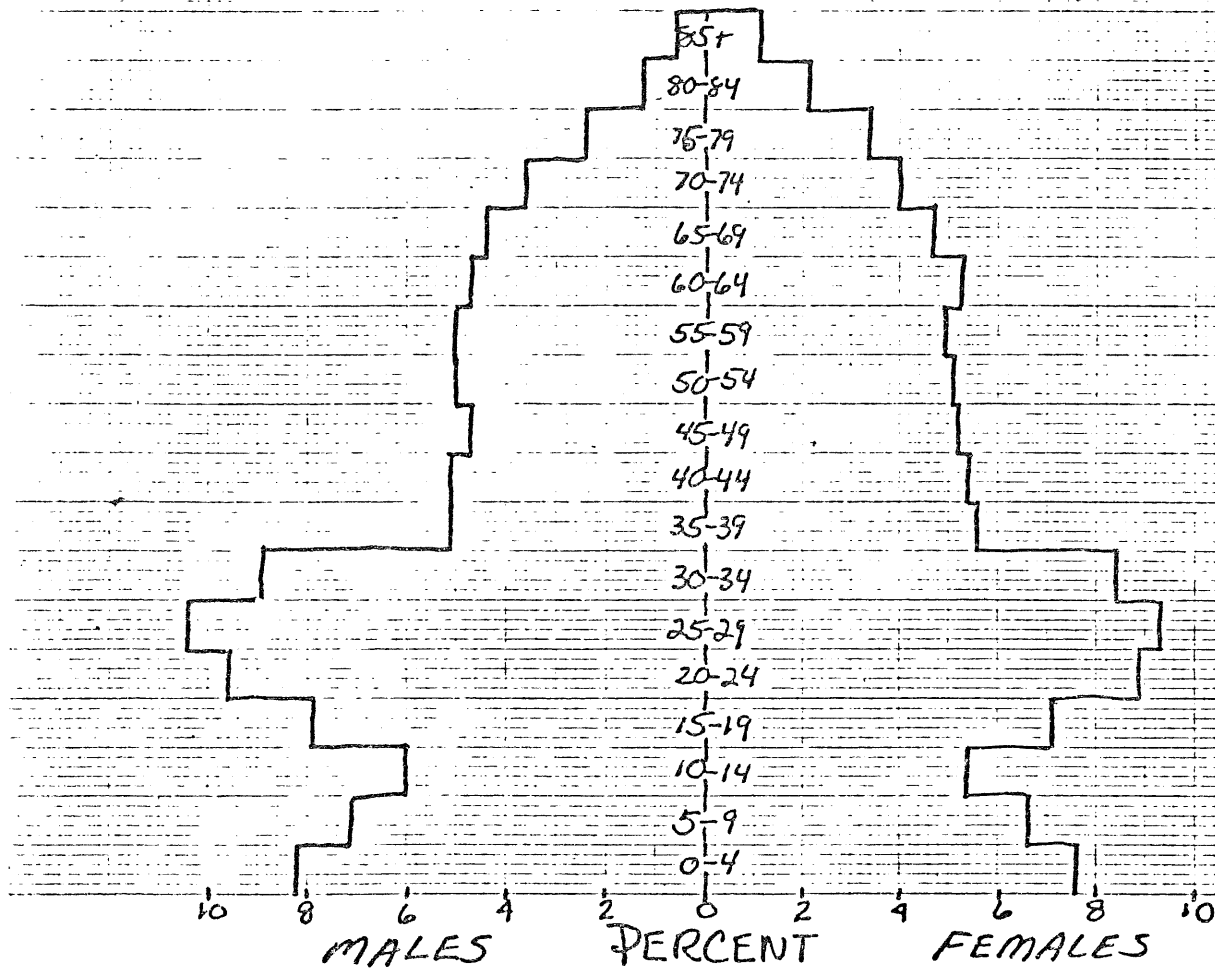
PERCENT POPULATION BY AGE AND SEX
 CARLTON COUNTY 1975



Based upon data presented in Table 5.

Figure 6

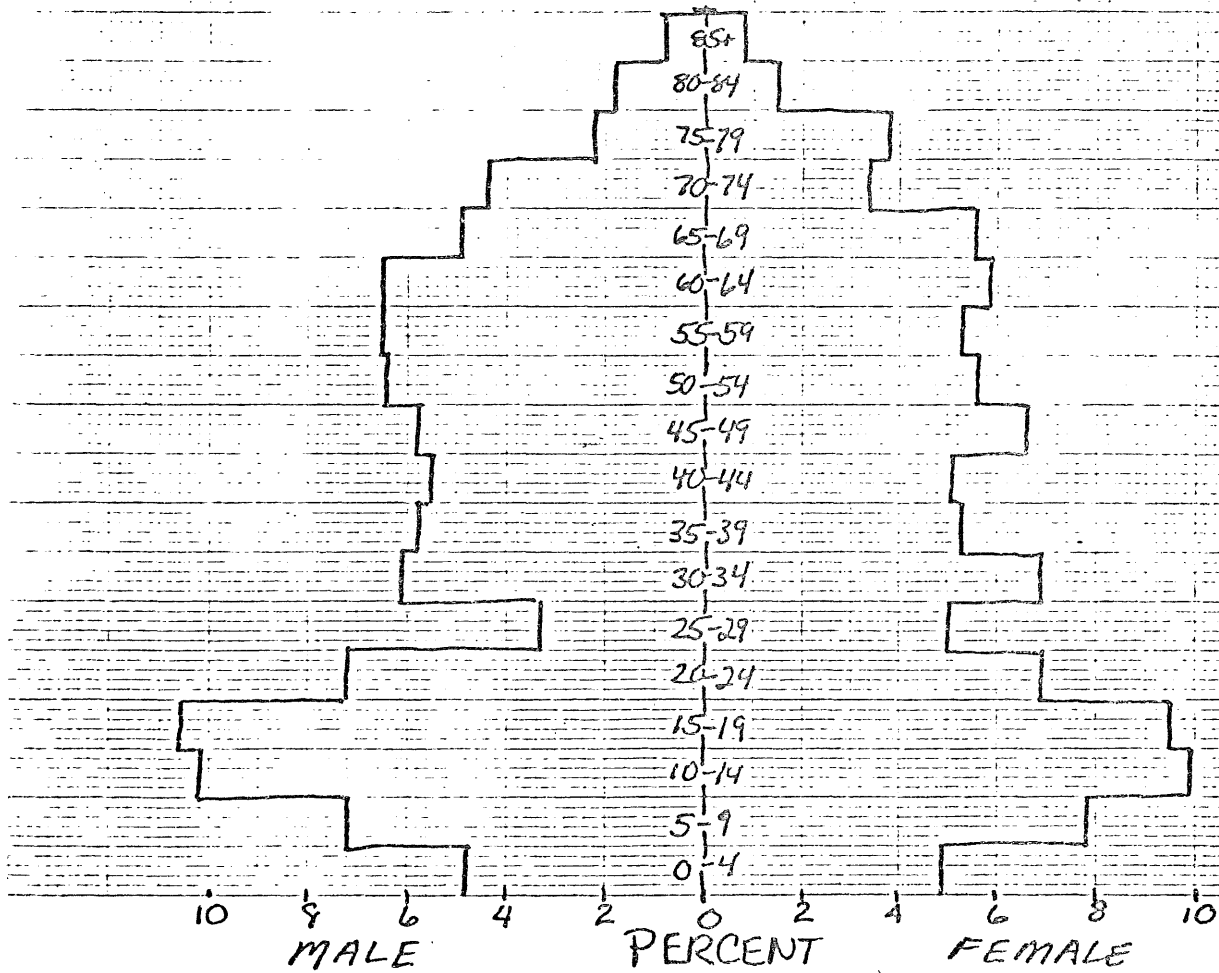
PERCENT POPULATION BY AGE AND SEX CARLTON COUNTY 1985 PROJECTION



Based upon data presented in Table 5.

Figure 7

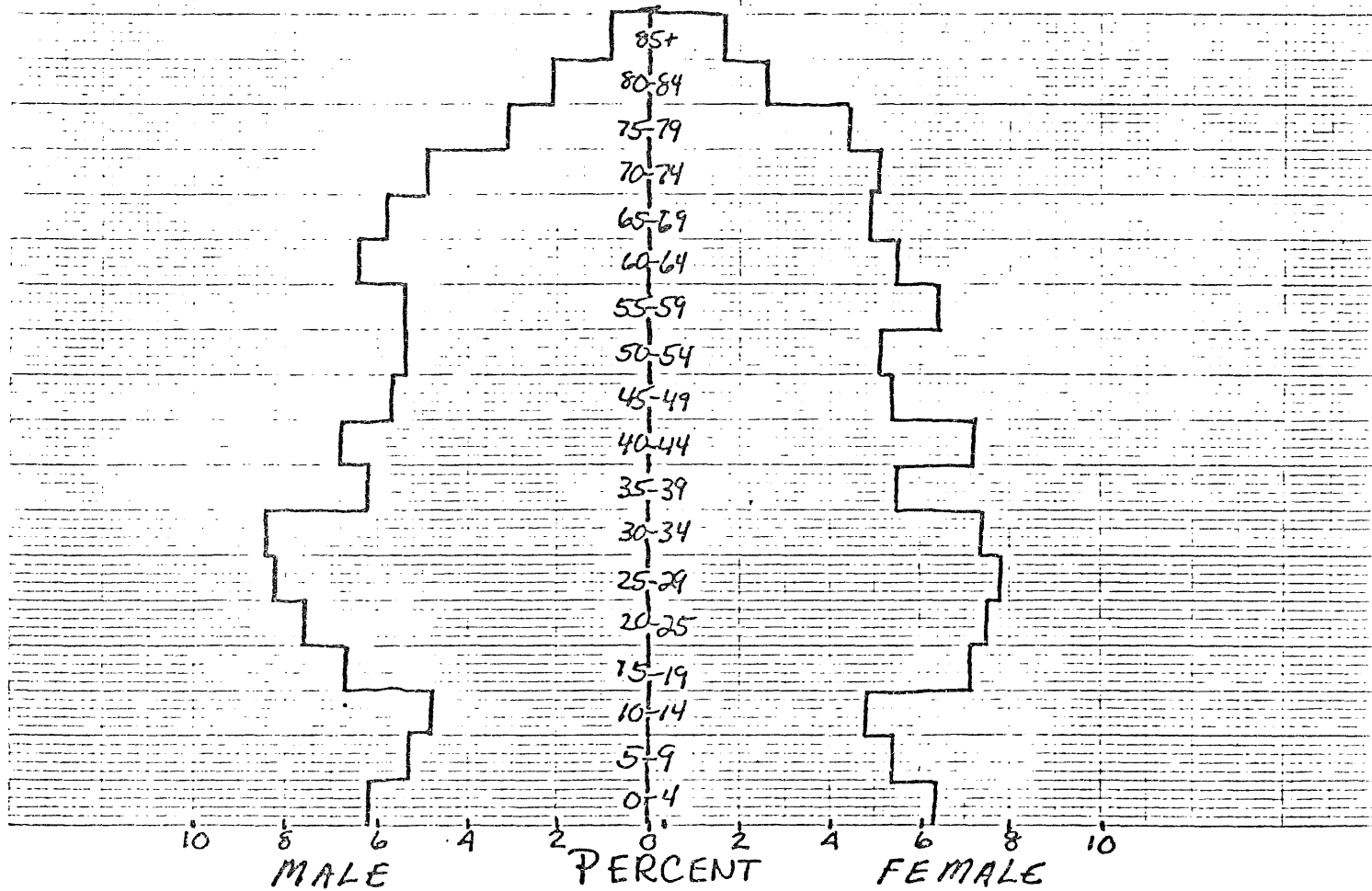
PERCENT POPULATION BY AGE AND SEX
 COOK COUNTY 1975



Based upon data presented in Table 5.

Figure 8

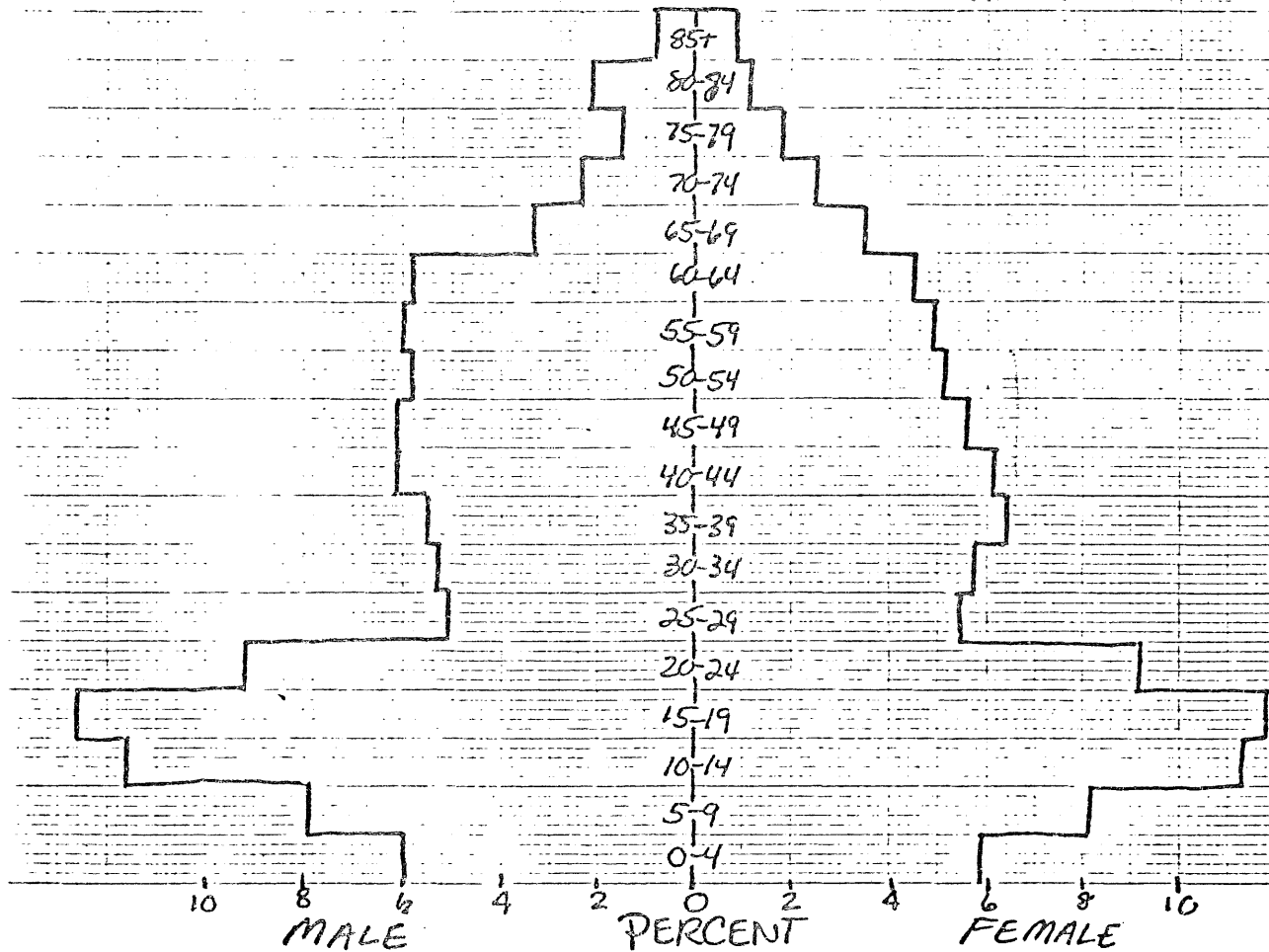
PERCENT POPULATION BY AGE AND SEX
COOK COUNTY 1985 PROJECTION



Based upon data presented in Table 5.

Figure 9

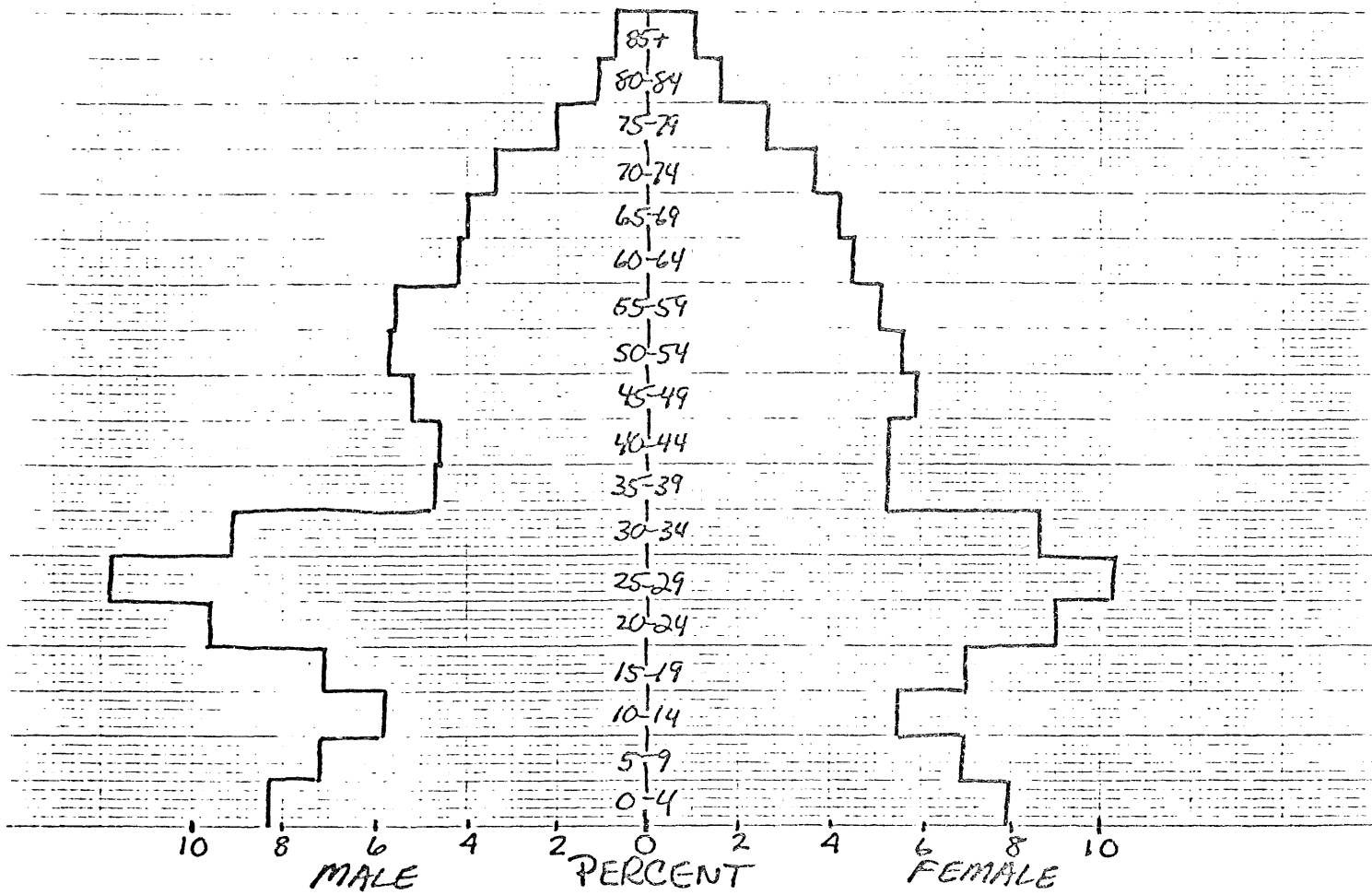
PERCENT POPULATION BY AGE AND SEX
LAKE COUNTY 1975



Based upon data presented in Table 5.

Figure 10

PERCENT POPULATION BY AGE AND SEX
LAKE COUNTY 1985 PROJECTION

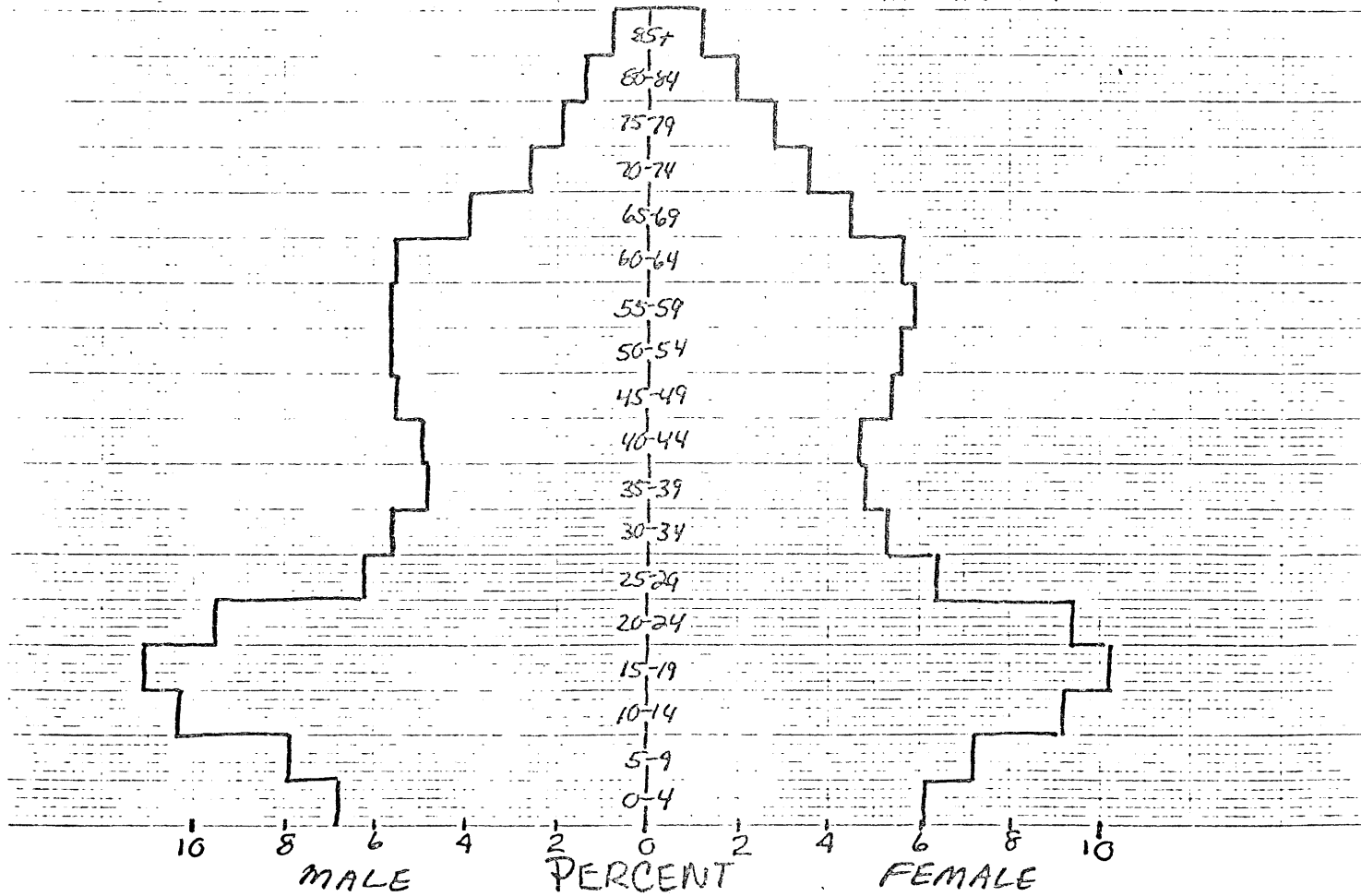


Based upon data presented in Table 5.

Figure 11

PERCENT POPULATION BY AGE AND SEX

ST. LOUIS COUNTY 1975

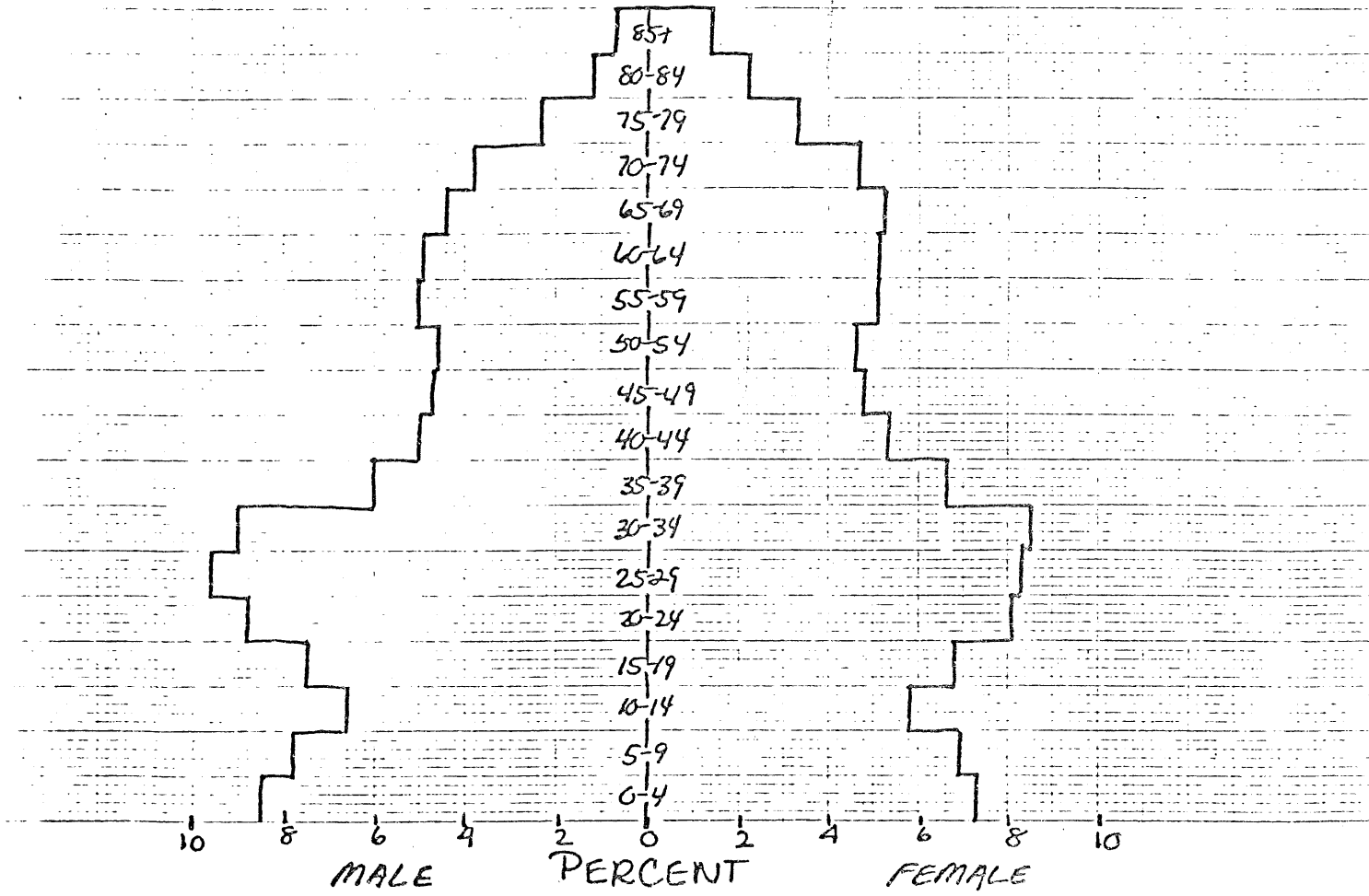


Based upon data presented in Table 5.

Figure 12

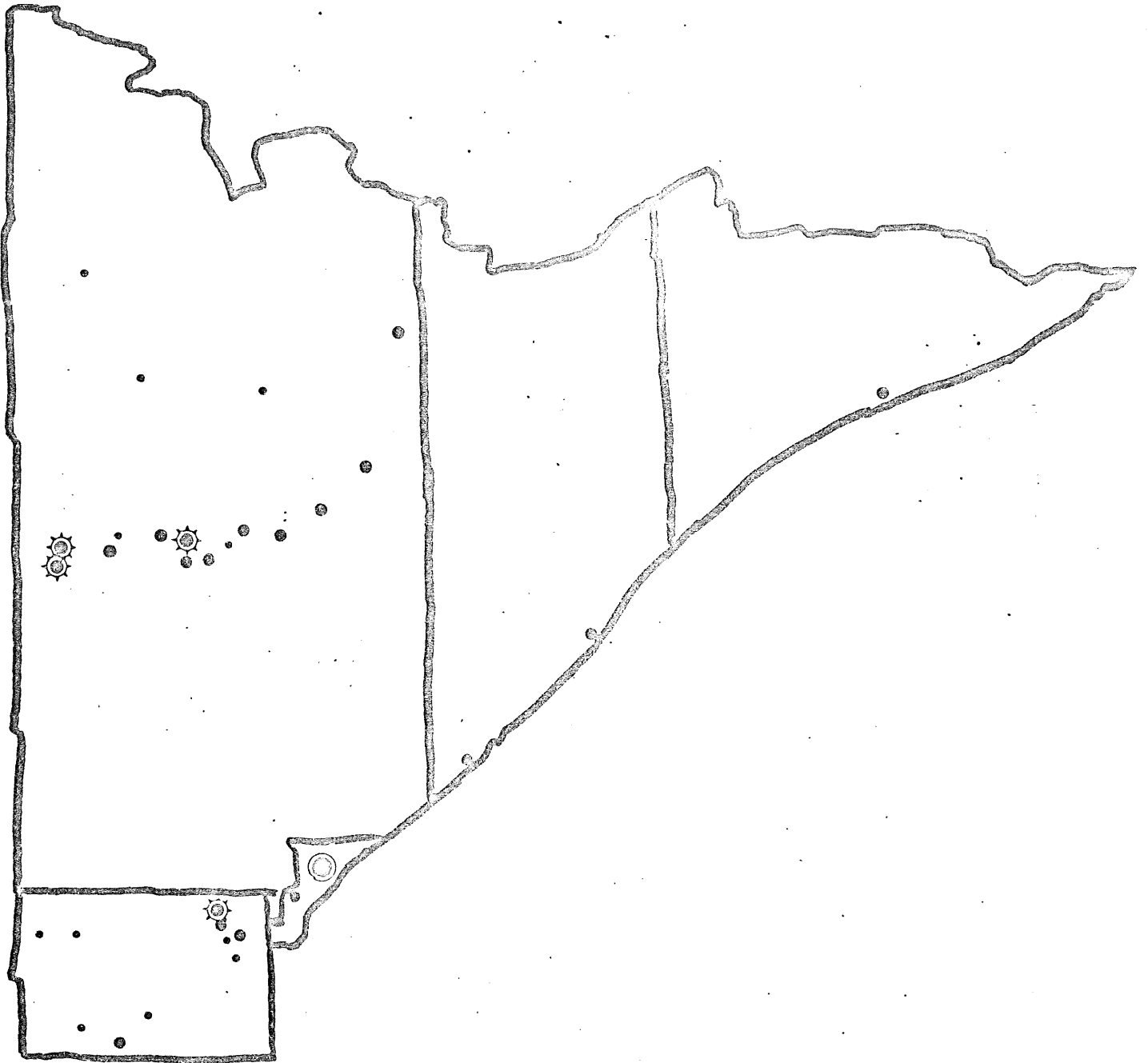
PERCENT POPULATION BY AGE AND SEX

ST. LOUIS COUNTY 1985 PROJECTION



Based upon data presented in Table 5.

Figure 13. Incorporated Areas in Northeast Minnesota



- < 1,000
- 1,000 - 5,000
- ☼ 5,000 - 25,000
- ⊙ > 50,000

Figure 14. Unincorporated Areas in Northeastern Minnesota

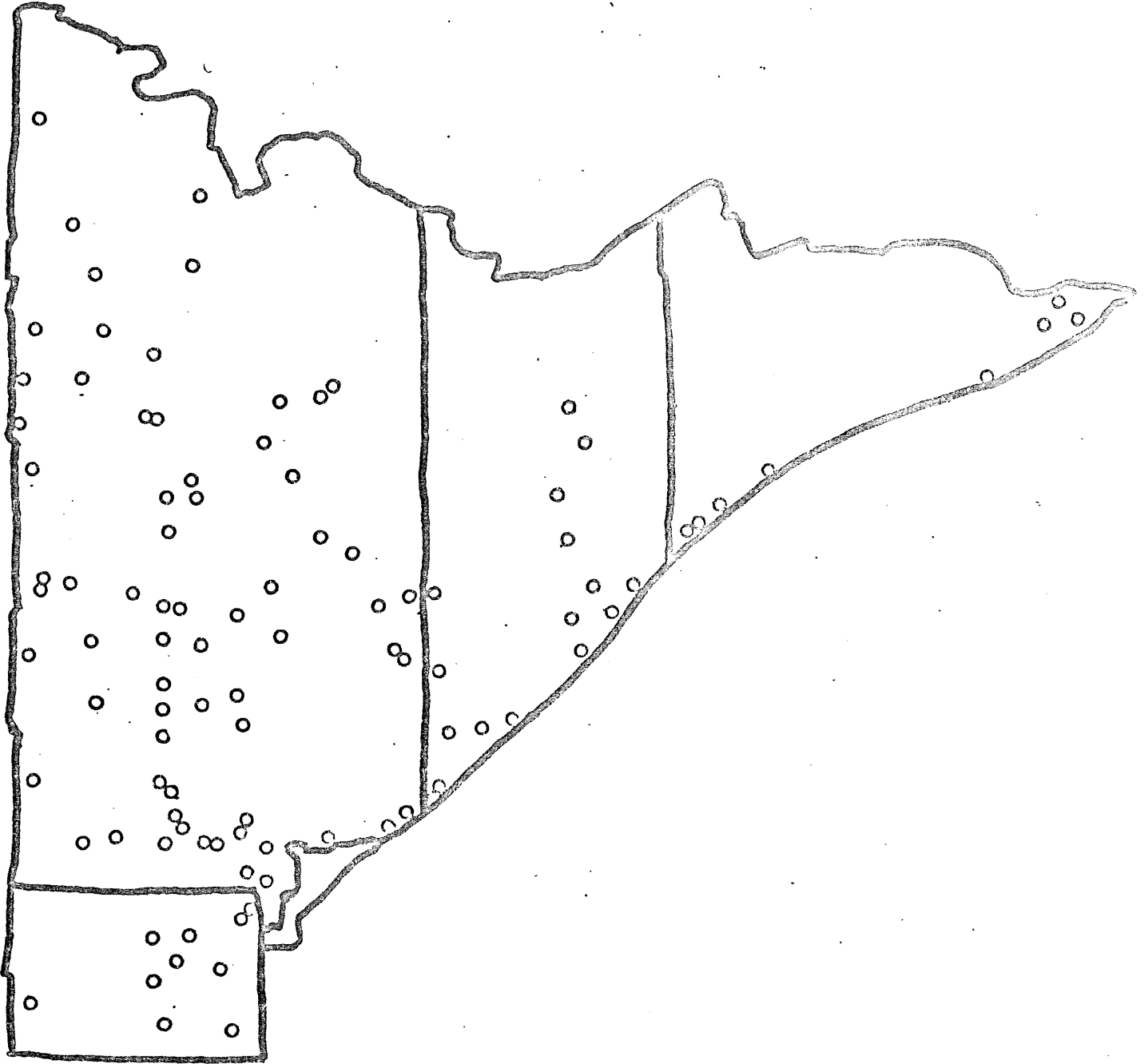
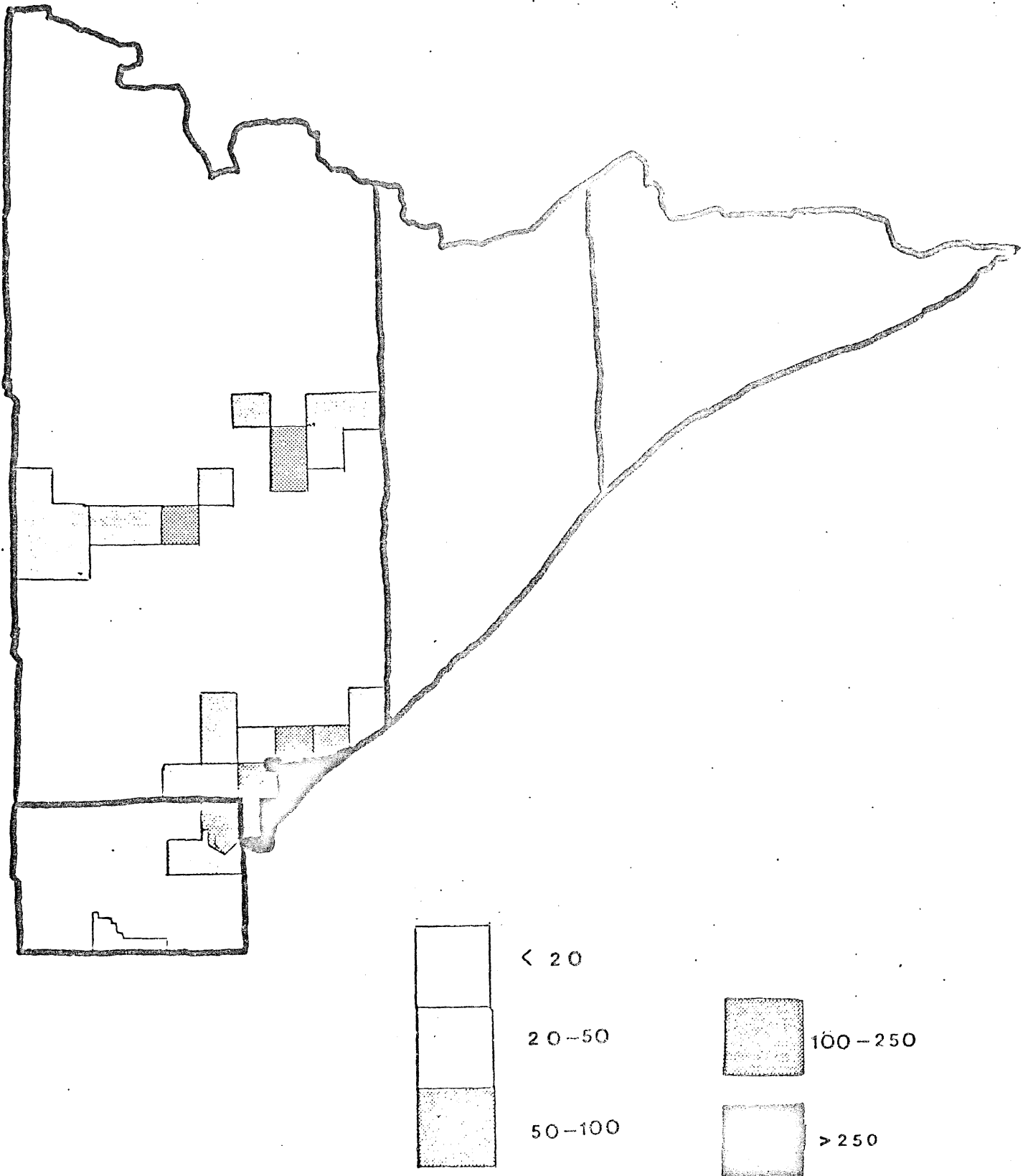


Figure 15. Population Density in Northeastern Minnesota: Persons per square mile



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Table 2. Population of Selected

Age Group	Minnesota	NE Region *	Aitkin County	Carlton County	Cook County	Itasca County
All Ages	3,804,971	329,603	11,403	28,072	3,423	35,53
0-4	331,771	25,155	701	2,328	256	2,74
5-9	402,635	33,132	1,059	3,121	344	3,68
10-14	415,021	37,329	1,257	3,345	374	4,33
15-19	373,405	33,826	984	2,708	297	3,92
20-24	292,037	20,713	410	1,530	144	1,67
25-29	249,516	17,178	425	1,430	196	1,72
30-34	206,769	15,796	464	1,478	184	1,58
35-39	192,863	16,210	468	1,554	181	1,76
40-44	202,710	18,087	544	1,566	214	1,92
45-49	202,904	19,049	640	1,643	206	2,18
50-54	193,956	19,703	729	1,594	197	2,14
55-59	177,011	19,411	773	1,504	216	2,08
60-64	155,454	15,764	763	1,333	201	1,72
65-69	130,155	12,299	727	967	147	1,37
70-74	110,251	9,910	567	756	113	1,05
75-79	83,443	7,919	461	632	85	76
80-84	51,330	5,126	261	372	43	52
85+	33,740	2,996	170	211	25	30
Total 1960	3,413,864	344,957	12,162	27,932	3,377	38,00

* Aitkin, Carlton, Cook, Itasca, Koochiching, Lake and St. Louis Coun

** Duluth urbanized portion consists of both Duluth and some nearby co

SOURCE: U.S. Bureau of the Census (1971)

Areas of Minnesota: 1970

Koochiching County	Lake County	St. Louis County	Duluth	St. Louis County without Duluth urbanized portion **
17,131	13,351	220,693	100,578	115,054
1,384	1,079	16,665	7,636	8,639
1,835	1,548	21,539	9,093	11,941
2,096	1,787	23,969	9,801	13,634
1,885	1,330	22,700	10,174	11,994
912	728	15,318	8,625	5,960
901	738	11,763	5,626	5,840
837	805	10,443	4,627	5,548
906	830	10,502	4,576	5,669
990	808	12,037	5,237	6,545
981	690	12,703	5,459	6,994
1,010	701	13,325	5,643	7,449
940	676	13,217	5,749	7,244
789	516	10,438	4,902	5,390
554	380	8,145	4,208	3,798
422	282	6,712	3,602	2,985
346	182	5,450	2,754	2,590
187	157	3,582	1,758	1,774
156	114	2,185	1,108	1,060
18,190	13,702	231,588	106,844	NA

les

unities and has a total population of 105,639