

AN OVERALL
ECONOMIC DEVELOPMENT
PROGRAM
FOR
ALPENA COUNTY
MICHIGAN
1977

Alpena Plan Commission lists funding priorities

The Alpena County Planning Commission has decided the line-up on 24 projects for which federal funds are being sought.

The Economic Development Administration (EDA) is the federal agency responsible for doling out Local Public Works (LPW) grants—a form of federal aid designed to stimulate employment and aid local governmental units in construction of various specific projects.

But some confusion arises in deciding who gets what when several units of government in the same area apply for LPW grants. Such is the case in Alpena County where the county, city and Alpena Township are all seeking LPW grants.

The problem is resolved by assigning one group in the area the task of ranking the various applications. In Alpena County the job falls to the County Planning Commission.

In a recent meeting the planning commission approved a list of priorities assigned to 24 projects. Following is the list of priorities assigned to 25 projects. Following is the list of priorities and project sponsors:

Priority	Project	Sponsor
1.	Construction of a convention center	city
2.	Sanitary sewer collection system extension	county
3.	Water distribution system extension	county
4.	Improvements to water intake system	city
5.	Construction of area vocational skill center	county
6.	Riverfront development	city
7.	Recreation program implementation	county
8.	Airport improvements	county
9.	Sanitary landfill	county
10.	Improvements to small boat harbor	city
11.	Establishment of "natural areas"	county
12.	Fair ground improvements	county
13.	Construction of baseball park	township
14.	North Industrial Park improvements	city
15.	Road building and drainage ditching	township
16.	Storm sewer construction	township
17.	Paad addition restoration	township
18.	Remodle courthouse	county
19.	Sidewalk replacement	city
20.	Interpark bike path	city
21.	Alpena Township Civic Building addition	township
22.	New water intake	city
23.	Exceptional Friends building	county
24.	Soil Conservation building	county

SEP 8 1978



U.S. DEPARTMENT OF COMMERCE
Economic Development Administration
MIDWESTERN REGIONAL OFFICE
175 WEST JACKSON BOULEVARD, SUITE A-1630
CHICAGO, ILLINOIS 60604

September 5, 1978

MEMORANDUM TO: James Collison, EDR
FROM: Don Goostrey, Chief, PD *DGA*
SUBJECT: Alpena County (Michigan)
Upgraded OEDP

A review of the upgraded OEDP for Alpena County (Michigan) has been completed by our Planning Division.

Following your review, please transmit to the Committee Chairman for necessary revisions.

Should you have further questions, please contact the reviewer or this office.

Encl.



U.S. DEPARTMENT OF COMMERCE
Economic Development Administration
MIDWESTERN REGIONAL OFFICE
175 WEST JACKSON BOULEVARD, SUITE A-1630
CHICAGO, ILLINOIS 60604

September 5, 1978

MEMORANDUM TO: Donald Goostrey, Chief, PD

FROM: Janet Cypra, Community Planner *Janet Cypra*

SUBJECT: Alpena County (Michigan)
Upgraded OEDP

I have reviewed the first draft of the Alpena County, upgraded OEDP. Although the Committee has begun the development process, there is extensive work needed before the OEDP can be accepted:

1. Chapter I, The Organization of the Committee, should explain the functions of the planning commission, its involvement in the development of the OEDP and how the OEDP process is taking place.
2. It is questionable how well the OEDP Committee is representative of the economic and geographic interests of the county. Who represents minorities, labor, public officials, and the unemployed/underemployed? If only one member is from outside Alpena, how is the rest of the county represented?
3. Chapter II (page 3) should discuss natural resources in the county. Forestry, agriculture, and mining resources should be analyzed in detail.
4. The discussion of transportation (page 24) should discuss the adequacy of the facilities and needs for improvements.
5. The analysis of economic base (page 28) is confusing since a number of tables are missing and no sources of data are given. Data should be based on place of work, not place of residence. BEA data would be correct, which is mentioned later in the OEDP.
6. A discussion of total employment is needed, examined over time and compared with the State.

7. The discussion of non-manufacturing should be broken by sector, e.g. retail trade, wholesale trade, transportation, etc. Also, agriculture and mining should be analyzed. All sectors should be compared with the State and over time, with tables shown.
8. The Chapter about population (page 33) should be reorganized, since the various characteristics are dispersed through the section. Total population with change over time and compared with the State should be analyzed first, followed by distribution by migration, then age, sex, race, and origin. The labor force analysis should be removed from the chapter.
9. Since the source of the labor force data was not given (page 42), it is difficult to tell if the data and place of work or place of residence. Either U.S. Census or MESC data should be used. The term, "LMA" should be defined.
10. A discussion of total labor force is needed, over time and compared with the State. An analysis of characteristics of the total labor force is needed, based on place of residence.
11. The discussion of wage and salary employment (page 43) is a place of work discussion and belongs in the economic base section. Likewise, the discussion on page 50 of recent development describes economic sectors, not labor force.
12. An analysis of income, based on place of residence is needed, using per capita or median family income. The discussion on page 52 is BEA (place of work) data and should be included in the economic base section.
13. The chapter of community facilities is missing.
14. The chapter on planning and development agencies was omitted.
15. The problems and potential section was omitted.
16. The section on "Previous Planning Achievements" gives only the successes in project development. Each goal should be analyzed in terms of failures as well as successes since the initial OEDP.

17. Only one goal is listed, (page 59), namely, improvement of economic stability. There are no objectives. Complete goals and objectives are needed, based on in-depth analysis of the social, physical and economic conditions in the county.
18. There is no justification nor linkage between the projects listed on pages 59 and 60, due to the above deficiencies noted.

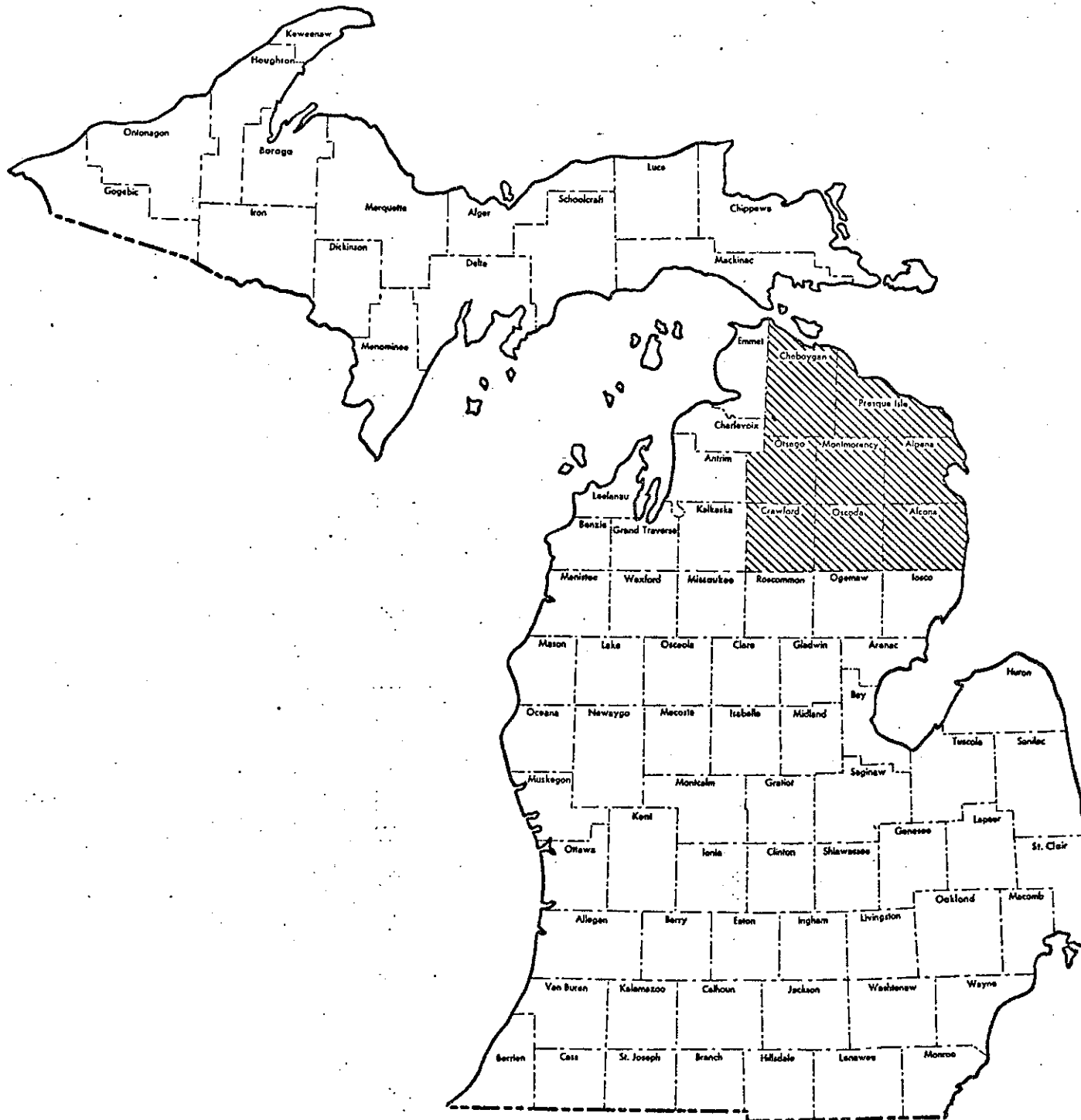
Before the above points are addressed, the county should determine whether it intends to write its own OEDP and/or concur with the District (NEMCOG) OEDP.

Encl.

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NORTHEAST MICHIGAN PLANNING AND DEVELOPMENT REGION
IN RELATION TO THE STATE OF MICHIGAN



I. ORGANIZATION OF THE ALPENA COUNTY OEDP COMMITTEE

The Alpena County Planning Commission serves as the overall economic development committee for the County. It functions in this capacity due to its overall concern for the economic, social, and physical well-being of Alpena County and its functions.

Following is a list of the membership of this Commission, their addresses, their immediate areas of concern and their occupations.

<u>MEMBERSHIP</u>	<u>ADDRESS</u>	<u>AREA OF CONCERN</u>	<u>OCCUPATION</u>
Nate Bader Chairman	129 Canterbury Lane Alpena, MI 49707	Finance	Ventilating Engineer R.A. Townsend Company
Burt Wright Vice-Chairman	2403 Timber Lane Alpena, MI 49707	Education	School Administrator Alpena Public Schools
Robert Allen	Box 310 A, Route 1 Ossineke, MI 49766	Industry	Engineer, P.E. Presque Isle Corp.
Joanne Cohen	2414 Timberlane Alpena, MI 49707	Tourism	Administrative Ass't. Chamber of Commerce
Dorris Douth	115 W. Maple St. Alpena, MI 49707	League of Women Voters	Housewife
John Heimnick	153 Outer Drive Alpena, MI 49707	Recreation	Dean of Faculty Alpena Comm. College
Larry Mann	491 Princeton Alpena, MI 49707	Education	Director, Voc. Ed. Alpena Bd. of Education
Joseph Moody	5823 N. Herron Alpena, MI 49707	Agriculture	Employee Besser Company
John Porter	1264 Crestview Dr. Alpena, MI 49707	Land Use	Counselor - Voc. Rehab. State of Michigan
George Sassin	1947 M-32 West Alpena, MI 49707	Small Business	Self-Employed
James Yockey	P.O. Box 181 Alpena, MI 49707	Business	Self-Employed Road & Bridge Const.
<u>EX-OFFICIO MEMBERS</u>			
Ken Apsey	North Bagley Alpena, MI 49707		County Highway Commissi

EX-OFFICIO MEMBERS (con't.)

<u>MEMBERSHIP</u>	<u>ADDRESS</u>	<u>AREA OF CONCERN</u>	<u>AFFILIATION</u>
Howard Anderson	P.O. Box 457 Gaylord, MI 49735		Northeast Michigan Council of Govt's
Carol McLennan	433 Park Street Alpena, MI 49707		Secretary
Albert Nickels	County Office Building Chisholm Street Alpena, MI 49707		County Extension Director
Lew Sowa	416 Sable Street Alpena, MI 49707		Alpena News

II. ALPENA COUNTY: THE AREA AND ITS ECONOMY

A. General Description Of Alpena County

Alpena County is located in the northeastern sector of Michigan's lower peninsula. It is bordered on the north by Presque Isle County, on the west by Montmorency County, on the south by Alcona County and on the east by Lake Huron. Alpena County encompasses 377,600 acres, or 590 square miles - of land (564.6 square miles) and water (25.4 square miles). The topography of the County varies from level to gently sloping and was geologically formed from ice age lake bottom lands. See map I.

The County is also the site of a unique geological phenomenon known as "sink holes". This unusual feature is at best described as a vertical cave. Numerous "sinks" are found in the north central part of the County. See map I.

Alpena County is predominantly within the Thunder Bay River Drainage Basin with the Thunder Bay River and its tributaries as the dominate water feature of the area. Eastern sections of the County drain directly into Lake Huron. See map II.

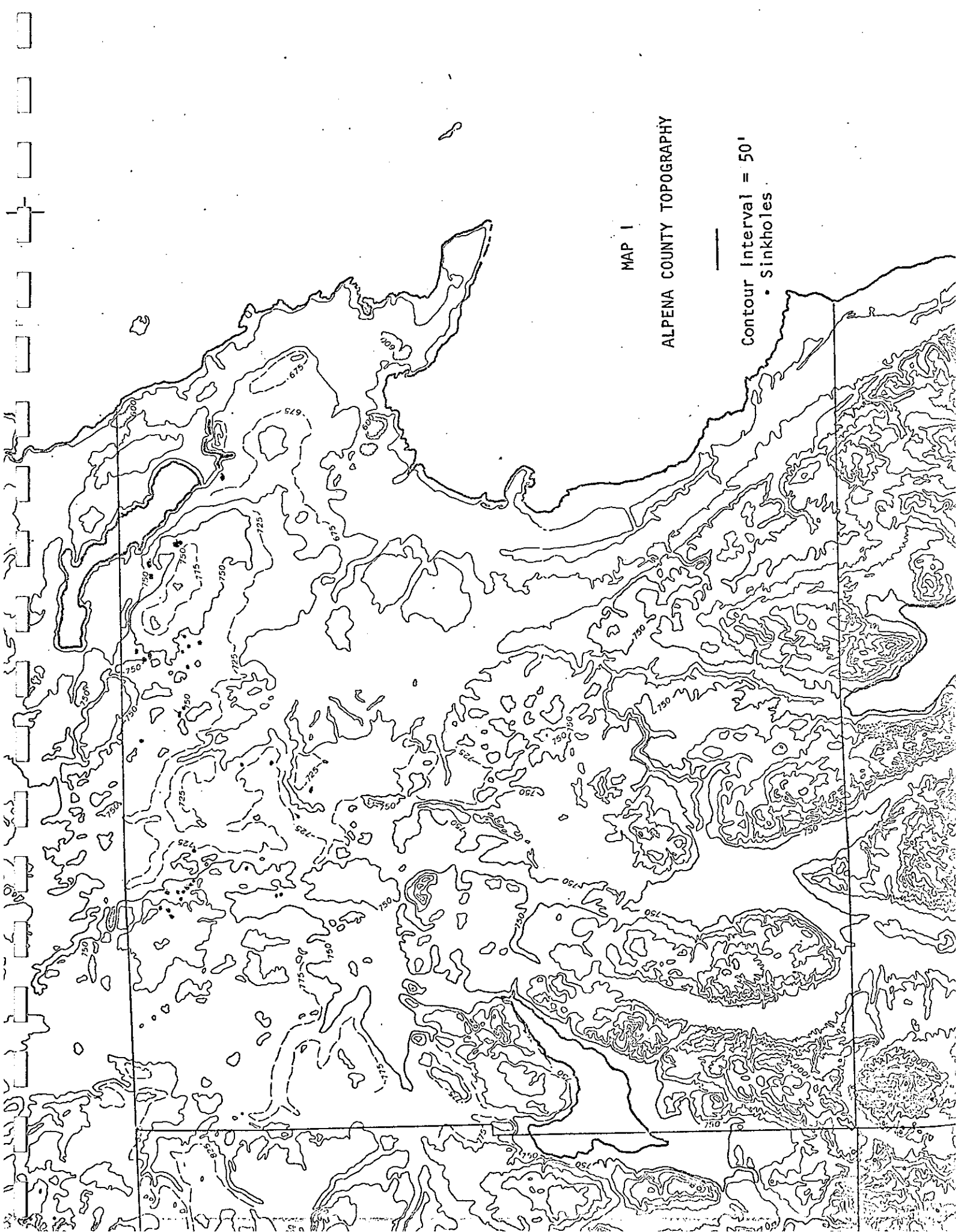
The average annual mean temperature for the County is 43.8 degrees Farenheit, with a winter average low of 13.1 degrees and a summer average high of 76.1 degrees. The average mean precipitation for the twenty-nine year period (1940-1969) was 27.12 inches, with an annual mean snowfall of 66.3 inches. Alpena County's growing season averages approximately 156 frost-free days annually.

MAP I

ALPENA COUNTY TOPOGRAPHY

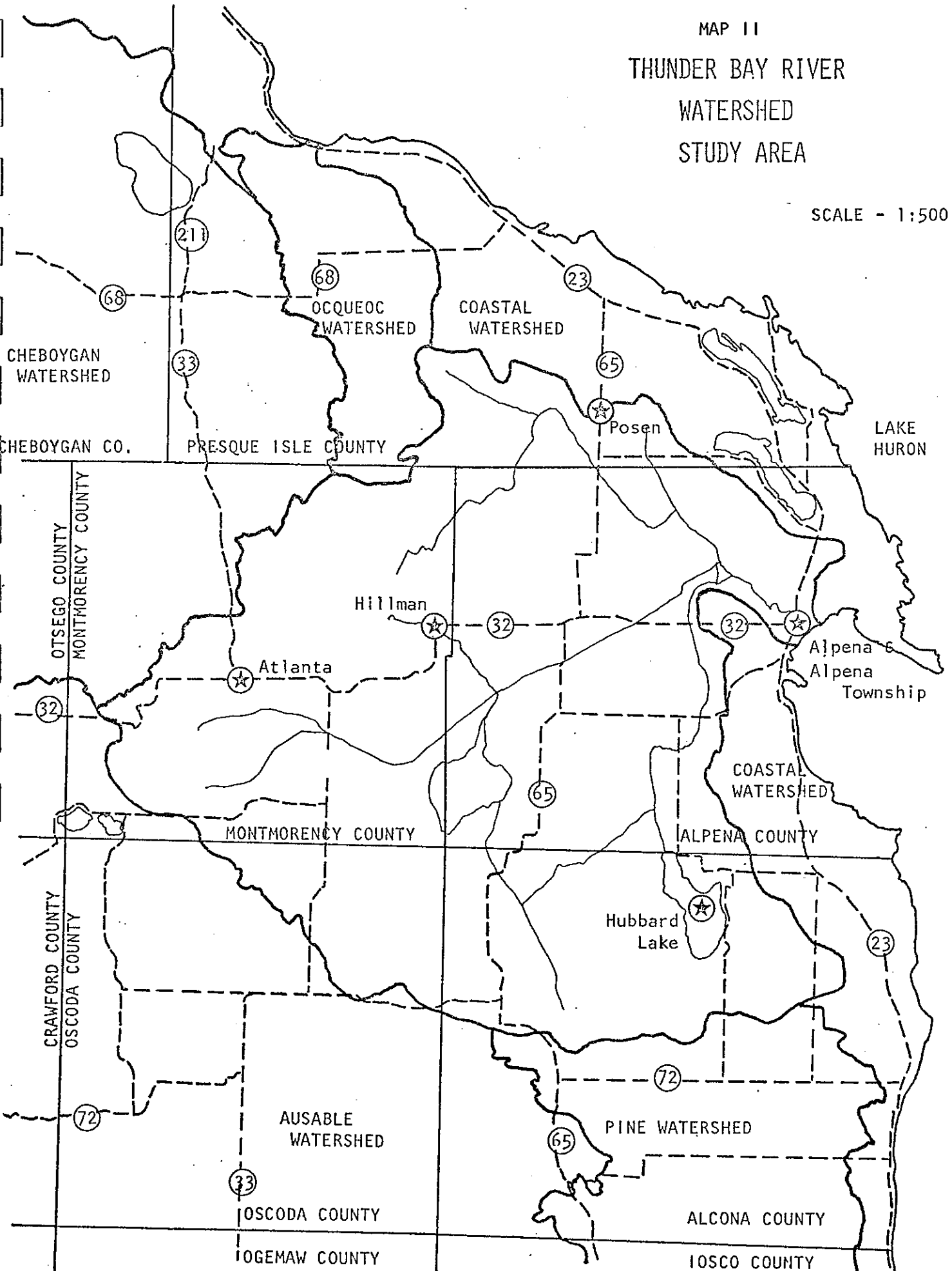
Contour Interval = 50'

• Sinkholes



MAP II
THUNDER BAY RIVER
WATERSHED
STUDY AREA

SCALE - 1:500,000



The soils of Alpena County vary considerably as to their adaptability for different uses and have a direct bearing on the county's economic viability. The singly highest percentage of any soil type in the County is the Onaway - Emmet - Mackinaw Association which comprises approximately 16% of the County land area. This association is typified as being nearly level to gently sloping, well-drained to somewhat poorly drained loamy soils on till plains. The Association is particularly well suited to agricultural pursuits with only slight limitations. Other similar associations with only slight limitations or for agriculture are the Emmet - Onaway Association and the Mackinac - Brimley - Bruce Association. These three groups comprise approximately twenty-nine percent of the land area of the County. For other uses, the Rubicon - Grayling Association is the only type that has the least amount of limitations on residential development. This Association comprises only 3% of the land area of Alpena County. For description of the other soil groupings and their use potential - see the soil map on page 7 and its associated interpretation sheets.

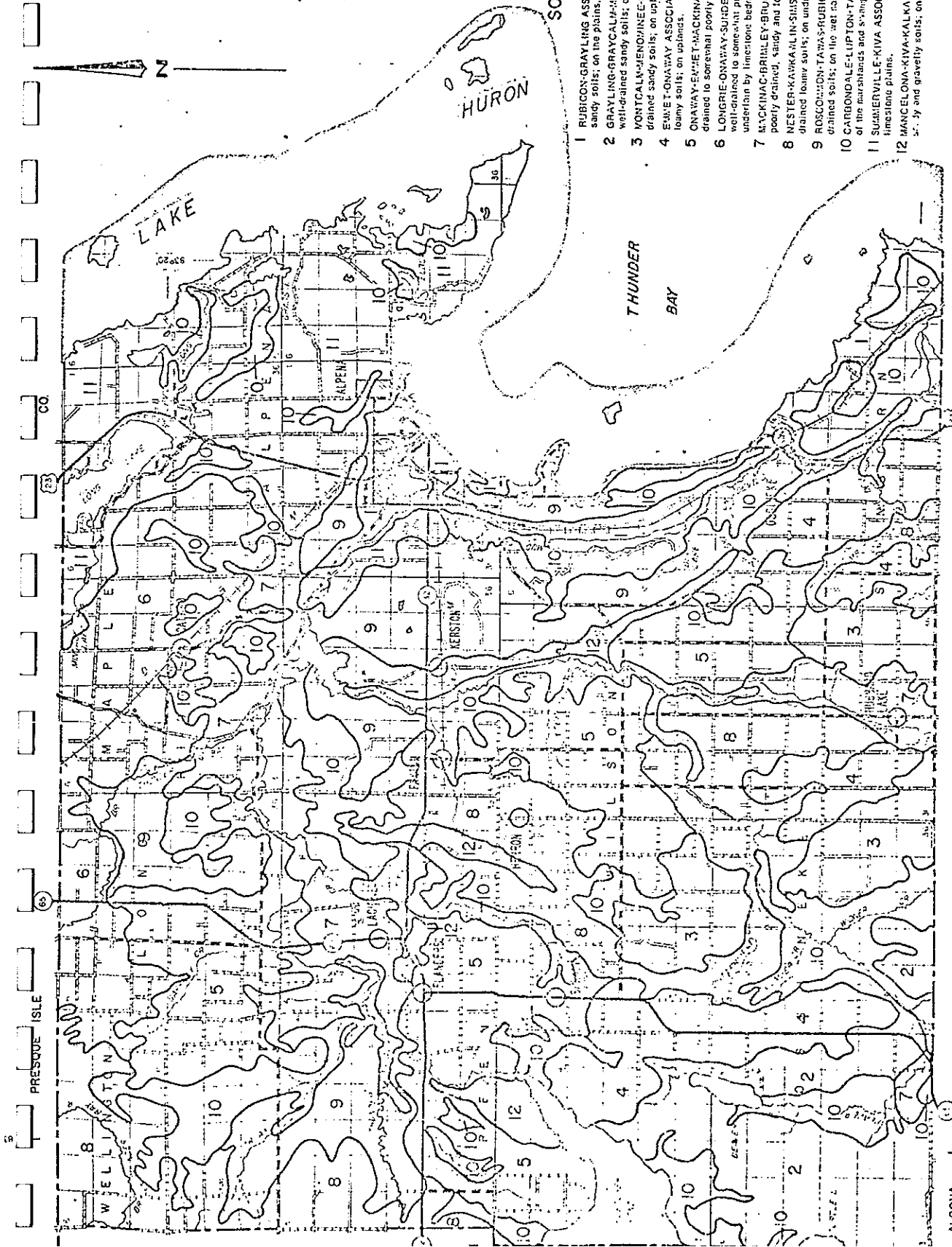
Tables 1 and 2 plus the graphics on pages 19 through 21 show that over 58% of Alpena County is still forested. Twenty-five percent of the County is in agriculture which is the highest land use pursuit in any of the eight counties of the Northeast Michigan Region (State Planning Region #9). Land use-wise, Alpena County is also the most urbanized of any county in the Region, with 1.2% or 4,446 acres so classified.

LEGEND

- COUNTY BOUNDARY
- INCORPORATED TOWN
- UNINCORPORATED TOWN
- DRAINAGE
- U.S. HIGHWAY
- STATE HIGHWAY
- OTHER PAVED ROADS
- GRAVEL ROADS
- DIRT ROADS
- RAILROADS
- G.L.O. TOWNSHIP LINE
- SECTION LINE
- CIVIL TOWNSHIP LINE

SOIL ASSOCIATIONS

- 1 RUBICON-GRAYLING ASSOCIATION: Nearly level to gently sloping, well-drained sandy soils; on the plains.
- 2 GRAYLING-GRAYCALM-MONTALM ASSOCIATION: Rolling to hilly or steep, well-drained sandy soils; on uplands.
- 3 MONTALM-JENOVINE-KALKASKA ASSOCIATION: Undulating to rolling, well-drained sandy soils; on uplands.
- 4 EMVE-TONARAY ASSOCIATION: Undulating to rolling, well-drained sandy and loamy soils; on uplands.
- 5 ONAWAY-EMMET-MACKINAC ASSOCIATION: Nearly level to gently sloping, well-drained to somewhat poorly drained sandy and loamy soils; on undulating till plain.
- 6 LONGRIE-ONAWAY-SUNDELL ASSOCIATION: Nearly level to gently undulating well-drained to somewhat poorly drained loamy soils; on till plains. Principal an underlain by limestone bedrock at a depth of 2 to 10 feet.
- 7 MACKINAC-BRINLEY-BRUCE ASSOCIATION: Nearly level, somewhat poorly or poorly drained, sandy and loamy soils; on the lowlands.
- 8 NESTER-KAWKA-ILIN-SHIS ASSOCIATION: Nearly level to gently sloping, well-drained loamy soils; on undulating till plains.
- 9 ROSCOE-DH-TAWAS-RUBICON ASSOCIATION: Level, poorly to very poorly drained soils; on the wet sandy plains.
- 10 CARBONDALE-LUPTON-TAWAS ASSOCIATION: Very poorly drained organic soil of the marshlands and swamps.
- 11 SUSKERVILLE-KIVA ASSOCIATION: Well-drained, shallow stony soils; on the limestone plains.
- 12 MANCERONA-KIVA-KALKASKA ASSOCIATION: Rolling to steep, well-drained stony and gravelly soils; on upland ridges and knolls.



GENERAL SOIL MAP
ALPENA COUNTY
MICHIGAN

THIS MAP DEVELOPED BY THE SOIL CONSERVATION SERVICE SHOWS GENERALIZED SOIL INFORMATION AND IS NOT SUITABLE FOR DETAILED PLANNING. IT PROVIDES USEFUL INFORMATION FOR GENERAL

ALCONA R 5 E
WELLINGTON R 6 E
M A P L E R 7 E
ALPEN R 8 E
KERSHAW R 9 E
ALPEN R 10 E
CO. R 9 E



INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
1.	These are nearly level to gently sloping, well drained sandy soils. Swamp borders occupied by moderately well drained to somewhat poorly drained soils are also included. Major soils in this association have low natural fertility, low moisture holding capacity, and rapid permeability. This soil association comprises about 3 percent of the land area of the county or 10,800 acres.	Rubicon - 50% Grayling - 30% Croswell - 15% Au Gres - 5% (Rating for Soil Association)	0 - 6% 0 - 6% 0 - 3% 0 - 3%	Severe Severe Moderate Moderate Moderate- Severe	Moderate Severe Moderate Severe Moderate- Severe	Moderate Moderate Moderate Moderate Moderate	Slight Slight Slight Severe Slight	1. Droughtiness. 2. Low fertility. 3. Soil blowing.	1. Possible pollution of ground water supplies by effluent. 2. Difficult to maintain sod without irrigation. (Has potential as source of sand)	
2.	These are dominantly rolling to hilly or steep well drained sandy soils on uplands. Soils on the ridge tops and narrow enclosed valleys are less sloping. Major soils in this association formed in deep sand in places containing small amounts of loamy material or gravel. These soils have moderately low to low natural fertility and moisture holding capacity. Permeability is rapid. This soil association accounts for about 6 percent of the land area of the county or 21,600 acres.	Grayling - 45% Graycalm - 35% Montcalm - 20% (Rating for Soil Association)	6 - 25% 6 - 18% 2 - 12%	Severe Severe Moderate	Severe Moderate Moderate	Moderate- Severe Moderate- Severe Slight- Moderate	Moderate- Severe Moderate- Severe Slight- Moderate	1. Droughtiness. 2. Soil blowing. 3. Water erosion.	1. Sloping areas. 2. Erosion and sediment damage. 3. Side hill seepage from onsite sewage facilities. (Has potential as source of sand)	

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOILS ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
3.	This soil association consists dominantly of undulating to rolling, well drained sandy soils on uplands. Major soils contain minor amounts of loamy material or are underlain by loamy material at a depth of 2 to 4 feet. In local areas, soils are sandy or gravelly to a depth of 5 ft. or more. Soils in this association are moderately low to low in natural fertility. Because of their sandy porous nature, they are also moderately low to low in moisture holding capacity. Permeability ranges from moderately rapid to rapid. This soil association comprises about 5 percent of the land area of the county or 18,000 acres.	Montcalm - 50% Menominee - 30% Kalkaska - 10% Mancelona - 10% (Rating for Soil Association)	2 - 12% 2 - 12% 2 - 12% 2 - 12%	Moderate Moderate Moderate-Severe Moderate Moderate	Moderate Moderate Moderate Moderate	Slight-Moderate Slight-Moderate Moderate Slight-Moderate	Slight-Moderate Slight-Moderate Moderate Slight-Moderate Slight-Moderate	1. Droughtiness. 2. Soil blowing. 3. Water erosion.	1. Possible pollution of ground water supplies by effluent. 2. Erosion and sediment damages. 3. Side hill seepage from onsite sewage facilities.	

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
4.	These are mainly undulating to rolling, well drained sandy and loamy soils on uplands. Drainageways and swales are occupied by somewhat poorly to poorly drained loamy soils and organic soils. Major soils in this association have medium to moderately high natural fertility and moisture holding capacity. Permeability ranges from moderately rapid to moderately slow. This soils association occupies about 7 percent of the county or 25,200 acres.	Emmet - 45% Onaway - 40% Associated somewhat poorly and poorly drained soils - 15% Charlevoix Mackinac Angelica Carbondale (Organic) (Rating for Soil Association)	2 - 12% 2 - 6%	Slight Slight	Slight Slight	Slight Slight-Moderate	Slight Moderate	1. Soil blowing. 2. Water Erosion.	1. Erosion and sediment damage. 2. Restricted permeability	
5.	These are nearly level to gently sloping, well drained to somewhat poorly drained soils on undulating till plains. Major soils formed in loamy material that is high in lime. They have medium to moderately high natural fertility and moisture holding capacity. Permeability is moderate to moderately slow. This soil association accounts for approximately 16 percent of the land area of the county or 57,600 acres.	Onaway - 40% Emmet - 20% Mackinac - 20% Associated poorly drained soils - 20% Angelica Carbondale (Rating for soil Association)	2 - 6% 2 - 6% 0 - 3% 0 - 2% 0 - 2%	Slight Slight Slight Slight- Severe	Slight Slight Moderate Severe	Slight-Moderate Slight Moderate- Severe Severe- Very Severe	Moderate Slight Severe Severe- Very Severe Moderate- Severe	1. Water erosion. 2. Wetness.	1. Erosion and sediment damage. 2. Restricted permeability. 3. Seasonal high water table.	

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
6.	These nearly level to gently undulating loamy soils occupy the relatively shallow till plains. Limestone bedrock occurs generally at a depth ranging from 2 to about 10 feet. In many places, the soils contain angular fragments of limestone in addition to gravel and cobble from other sources. Small irregular outcrops of limestone also occur in local areas. Major soils are well drained or somewhat poorly drained. They have moderately high natural fertility and medium to moderately high moisture holding capacity. Permeability is medium to moderately slow. This soil association occupies about 8 percent of the land area of the county or 28,800 acres.	Longrie - 40% Onaway - 25% Sundell - 15% Mackinac - 5% Ruse - 5% Associated organic soils - 10% Linwood Carbondale (Rating for Soil Association)	2 - 6% 2 - 6% 0 - 2% 0 - 3% 0 - 2%	Moderate Slight Moderate Slight Severe Severe Slight-Moderate	Moderate Slight Moderate Moderate Severe Severe Severe	Slight-Moderate Slight-Moderate Moderate-Severe Moderate-Severe Severe Very-Severe Slight-Severe	Moderate-Severe Moderate Severe Severe Severe Very-Severe Moderate-Severe	1. Stoniness. 2. Water erosion. 3. Wetness	1. Moderate depth to bedrock. 2. Possible pollution of ground water supplies by effluent. 3. Seasonal high water table.	

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
7.	This soils association consists mainly of somewhat poorly or poorly drained sandy and loamy soils. Some soils are formed in loamy material while others consist of fine sand and silty deposits. In places, sandy deposits overlie loamy material at 20 to 40 inches in depth. Local areas are gravelly or cobbly. These soils occupy nearly level to broadly undulating landscapes in drainage basins, especially bordering the Thunder Bay River and its tributaries. Organic soils in this association are confined mainly to the floodplains of major streams. Major soils in this Association have medium to moderately high natural fertility. Moisture holding capacity ranges from medium to high. Permeability is moderate to moderately slow. This soil association comprises about 6 percent of the land area of the county or 21,600 acres.	Mackinac - 25% Brimley - 20% Bruce - 20% Iosco - 15% Angelica - 10% Brevort - 5% Kerston (Organic) - 5% (Rating for soil Association)	0 - 3% 0 - 3% 0 - 2% 0 - 3% 0 - 2% 0 - 2% 0 - 2%	Slight Slight Slight Moderate Slight Moderate Severe Slight	Moderate Moderate Severe Severe Severe Severe Severe Moderate- Severe	Moderate- Severe Moderate- Severe Severe Moderate Severe Severe Severe Moderate- Severe	Severe Severe Severe Severe Severe Severe Severe Severe Severe	1. Wetness. 2. Water erosion.	1. Seasonal high water table. 2. Restricted permeability 3. Unstable material 4. Erosion and sediment damage.	

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
8.	These are nearly level to undulating loamy soils on till plains. The gently sloping higher-lying soils in the landscape are well drained or moderately well drained. Intervening flats, swales, and drainage channels are occupied by darker colored somewhat poorly or poorly drained soils. Included in places are soils with 20 to 40 inches of sandy deposits overlying loamy material. Major soils in this association have high natural fertility and water holding capacity. Permeability is moderately slow. This soil association accounts for approximately 12 percent of the land area of the county or 43,200 acres.	Nester - 40% Kawkawlin - 25% Sims - 15% Iosco - 5% Brevort - 5% Associated Organic Soils - 10% Linwood Carbondale (Rating for Soil Association)	2 - 6% 0 - 3% 0 - 2% 0 - 3% 0 - 3%	Slight Slight Slight Moderate Moderate	Slight Severe Severe Severe Severe	Slight-Moderate Moderate-Severe Severe Moderate Severe	Severe Severe Severe Severe Severe	1. Water erosion. 2. Tillth maintenance. 3. Wetness.	1. Erosion and sediment damage. 2. Restricted permeability. 3. Seasonal high water.	

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS		
		MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT
9.	This association consists of level, dark colored poorly to very poorly drained sandy and shallow organic soils. Somewhat better drained sandy soils, occurring on the borders of these areas are also included. Typical areas have low surface relief except for the rather narrow discontinuous ridges occupied by well drained sandy soils. This soil association is most extensive in the old lake plain area in the eastern part of the county. Soils in this association have low natural fertility. Moisture holding capacity is high in the organic soils, but low in the associated sandy soils. Permeability is moderately rapid to rapid. This soil association accounts for about 11 percent of the land area of the county or 39,600 acres.	Roscommon - 35% Tawas (Organic) - 25% Rubicon - 20% Au Gres - 15% Carbondale - 5% (Organic) (Rating for Soil Association)	0 - 2% 0 - 2% 2 - 12% 0 - 3% 0 - 2%	Severe Severe Severe Moderate Severe Severe Severe	Severe Severe Moderate Severe Severe Severe	Severe Severe- Very Severe Moderate Moderate Severe- Very Severe Moderate- Very Severe	Severe Very Severe Slight Severe Very Severe Severe- Very Severe	1. Wetness. 2. Low fertility. 3. Soil blowing.	1. Seasonal high water table. 2. Possible pollution of ground water supplies by effluent. 3. The more suitable soils are limited by size and shape of individual areas

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
10.	Soils in this association are dominantly organic in nature, composed of plant remains from trees, grasses, sedges and other wetland vegetation. Organic deposits vary from 1 foot to 10 feet or more in depth. These soils occur in drainage channels, marshes and swamps. They are wet most of the year. A minor acreage of poorly drained sandy soils, bordering these marshes and swamps, are included in this association. These soils are low in natural fertility and presently produce little usable vegetation. Permeability is moderately rapid to rapid. This soil association comprises about 15 percent of the land area of the county or 54,000 acres.	Carbondale - 40% Lupton - 30% Tawas - 15% Roscommon - 15% (Rating for Soil Association)	0 - 2% 0 - 2% 0 - 2% 0 - 2%	Severe Severe Severe Severe Severe	Severe Severe Severe Severe Severe	Severe-Very Severe Severe-Very Severe Severe-Very Severe Severe	Very Severe Very Severe Very Severe Severe Very Severe	1. Wetness. 2. Soil blowing. 3. Frost hazard. 4. Low natural fertility.	1. High water table. 2. Unstable material. 3. Uneven settling.	

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/					MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT	
11.	This soils association comprises the thin stony soils on nearly level to gently undulating plains in the northeastern part of the county. Typical areas have less than 12 inches of sandy or loamy material overlying fractured limestone bedrock. Fragments and slabs of limestone in addition to small amounts of rounded gravel and cobble are distributed on the surface. Low gravelly ridges, many of which are separated by shallow swales, are also common to this area. Major soils in this association are well drained. Restricted root zone and low moisture holding capacity severely restrict these soils for farm crops and trees. This soil association comprises about 9 percent of the land area of the county or 32,400 acres.	Summerville- 70% Kiva - 20% Associated Poorly drained Soils - 10% Ruse Chippenny (Organic) (Rating for Soil Association)	0 - 6% 0 - 6% 0 - 2% 0 - 2%	Severe Moderate Severe- Very Severe	Severe Moderate Severe	Slight- Moderate Slight Severe- Very Severe	Severe Moderate Severe- Very Severe	1. Extreme stoniness. 2. Shallow root zone. 3. Droughtiness.	1. Extreme stoniness. 2. Shallow depth to bedrock. 3. Possible pollution of ground water supplies by effluent. (Has potential as source of limestone)	

See Footnotes on last page of this table

INTERPRETATIONS OF GENERAL SOIL MAP 1/
ALPENA COUNTY, MICHIGAN

SOIL ASSOC.	DESCRIPTION	MAJOR SERIES & APPROXIMATE PER-CENT EACH	DOMINANT SLOPE	SUITABILITY AND DEGREE OF LIMITATIONS FOR SELECTED USES 2/				MAJOR MANAGEMENT PROBLEMS	
				GENERAL FARMING	FORESTRY	RECREATION 3/	RESIDENTIAL DEVELOPMENT 4/	FIELD CROPPING	RESIDENTIAL DEVELOPMENT
12.	These are rolling to steep, well drained sandy and gravelly soils on narrow upland ridges and knolls. Major soils consist of 10 to 40 inches of sandy deposits containing minor amounts of loamy material. Underlying strata is dominantly stratified sand and gravel or an unsorted mass of sand, gravel and cobble. Soils in this association have moderately low to low natural fertility. Because of their sandy porous nature, they are also moderately low to low in moisture holding capacity. Permeability is moderately rapid to rapid. This soils association accounts for only 2 percent of the land area of the county or 7,200 acres.	Mancelona - 35% Kiva - 35% Kalkaska - 30% (Rating for Soil Association)	6 - 25% 6 - 25% 2 - 12%	Moderate-Severe Moderate-Severe Moderate-Severe	Moderate Moderate Moderate	Moderate-Severe Moderate-Severe Moderate	Moderate-Severe Moderate-Severe Moderate	1. Sloping areas. 2. Erosion and sediment damage. 3. Possible pollution of ground water supplies by effluent	(Has potential as source of sand and gravel)

FOOTNOTES

- 1/ The interpretations will not eliminate the need for onsite testing, and study of specific sites for design and construction purposes. More detailed field investigations are usually needed to determine soil conditions at the proposed site for the intended use.

- 2/ Suitability and Degree of Limitations.
 - A. Three degrees of suitability are used as follows:
 - Good - These soils are among the best for the rated use considering response to known combinations of management practices. High production or performance and low risks in use are common for these soils when ordinary good management is followed.
 - Fair - These soils can be used satisfactorily for the rated use, but careful planning and management are required. Under good management and over a reasonable period of time, crop yields can be expected to exceed cost of production.
 - Poor - These soils in their natural state are poorly suited for the rated use. The production of crops or the performance of these soils for the rated use is low and generally poor or unsatisfactory with currently known combinations of management practices.

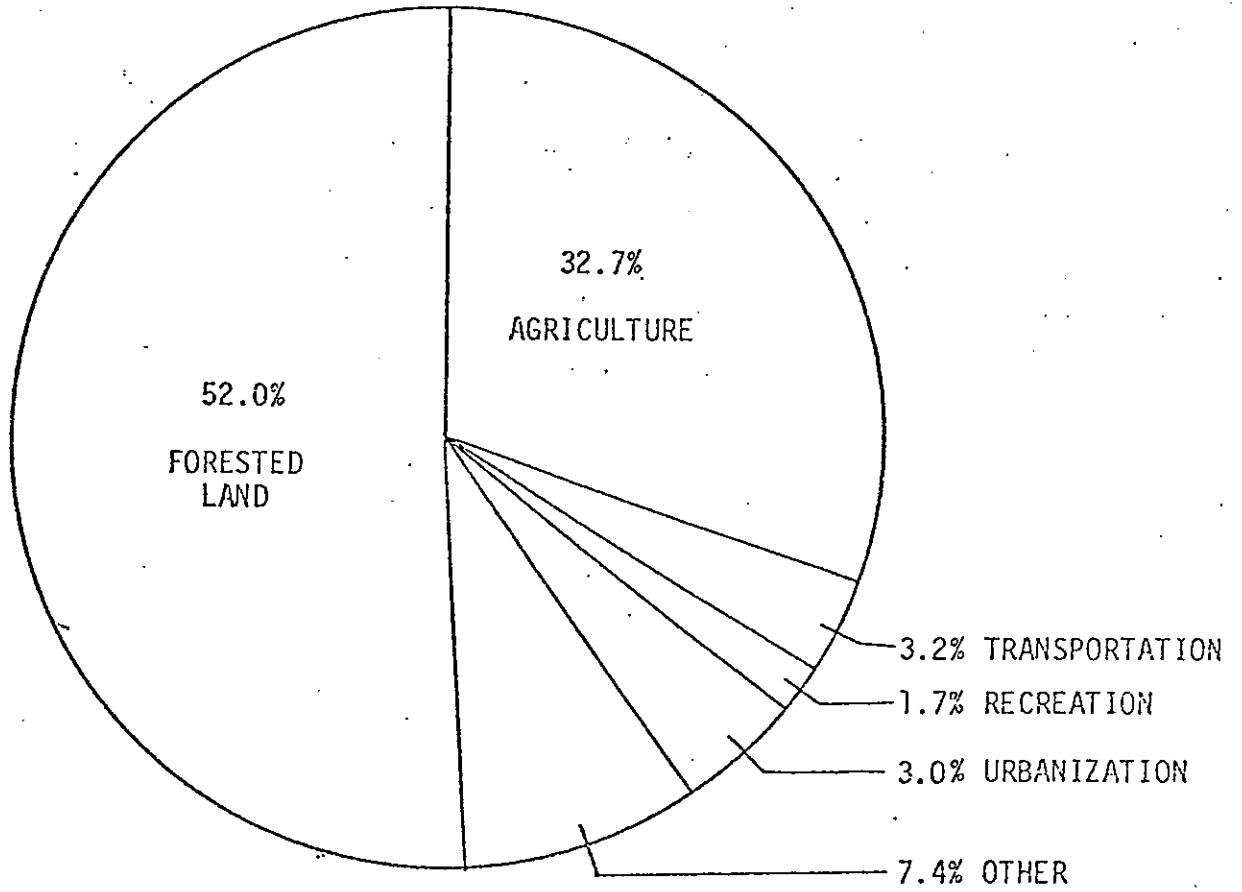
 - B. Four degrees of limitations are used as follows:
 - Slight - relatively free of limitations or limitations are easily overcome.
 - Moderate - limitations need to be recognized, but can be overcome with good management and careful design.
 - Severe - limitations are severe enough to make use questionable.
 - Very Severe - extreme measures are needed to overcome the limitations and usage generally is unsound or not practical.

- 3/ Emphasis on intensive recreation activities, such as play grounds, picnic areas, and golf courses.

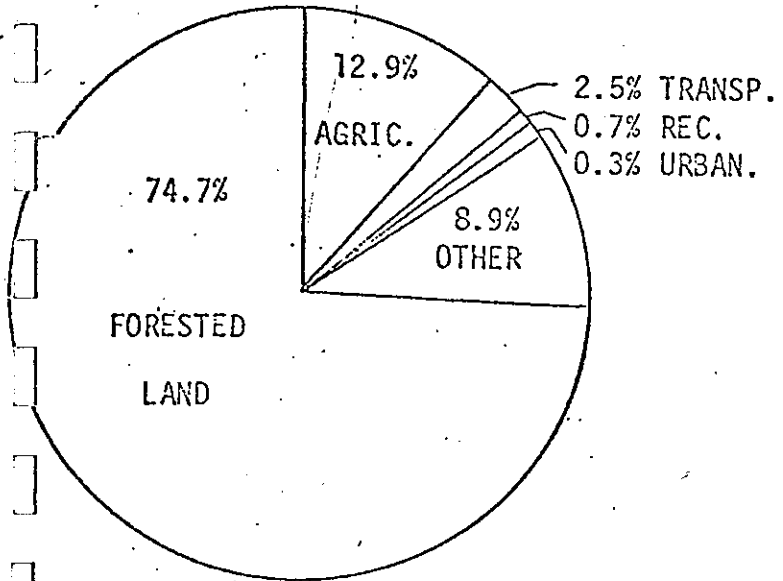
- 4/ Residential development - refers to intensive development common to subdivisions. Onsite sewage facilities are assumed. Site selection possible on larger individual tracts of land.

STATE OF MICHIGAN

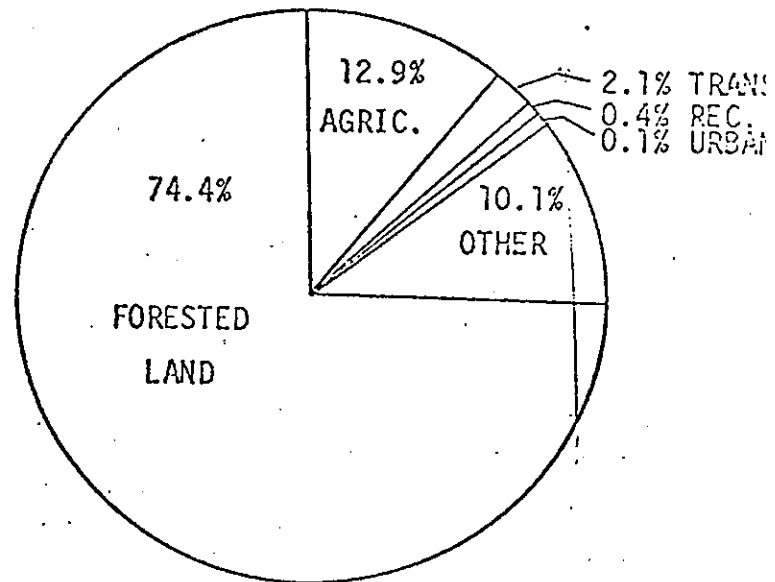
LAND USE - 1970



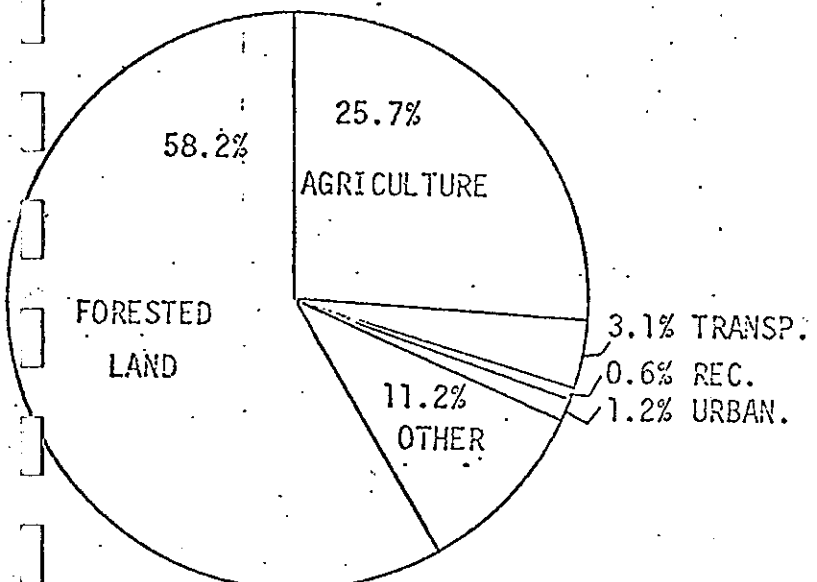
Source: County and Regional Fact Book, Section 5, Table 25



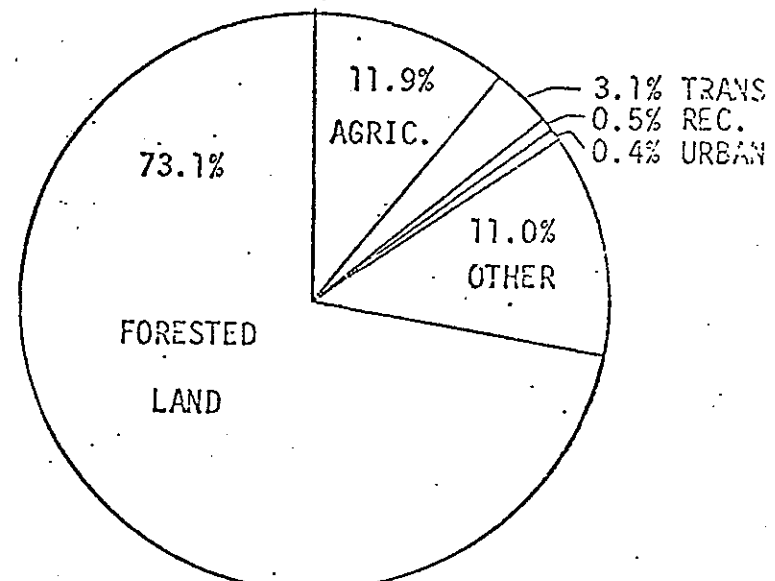
REGION 9



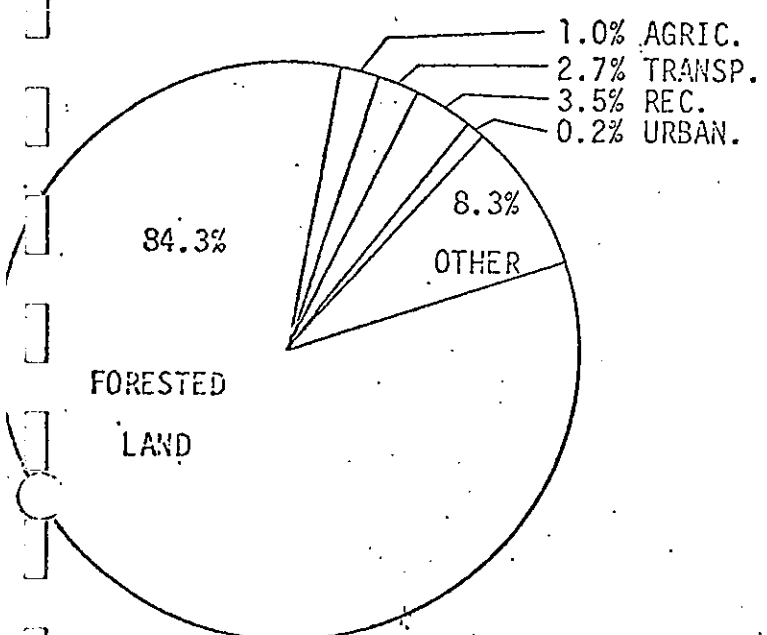
ALCONA



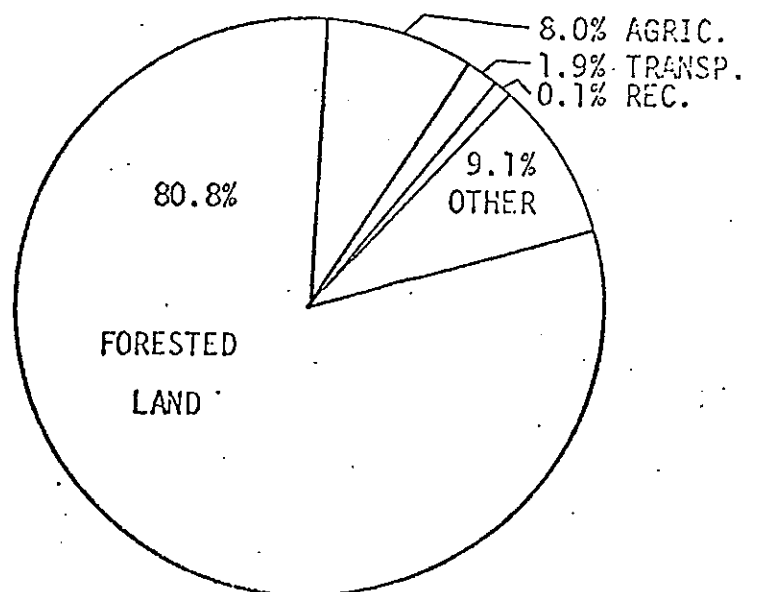
ALPENA



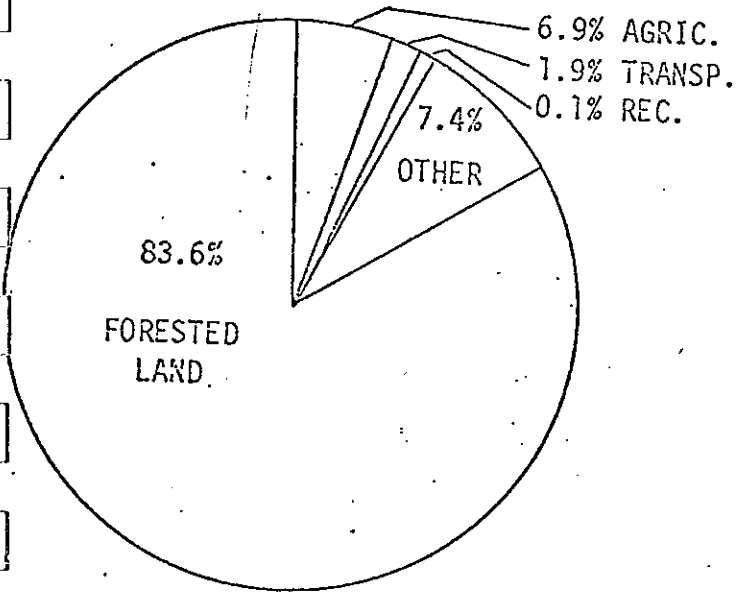
CHEBOYGAN



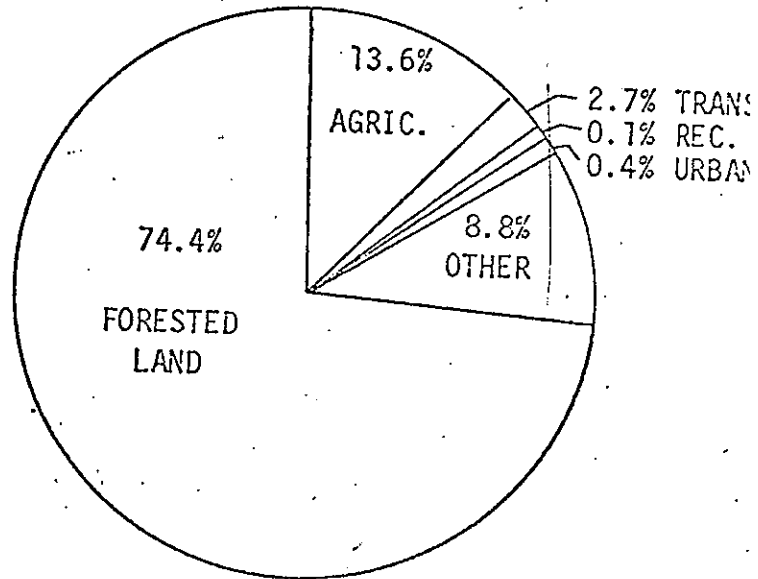
CRAWFORD



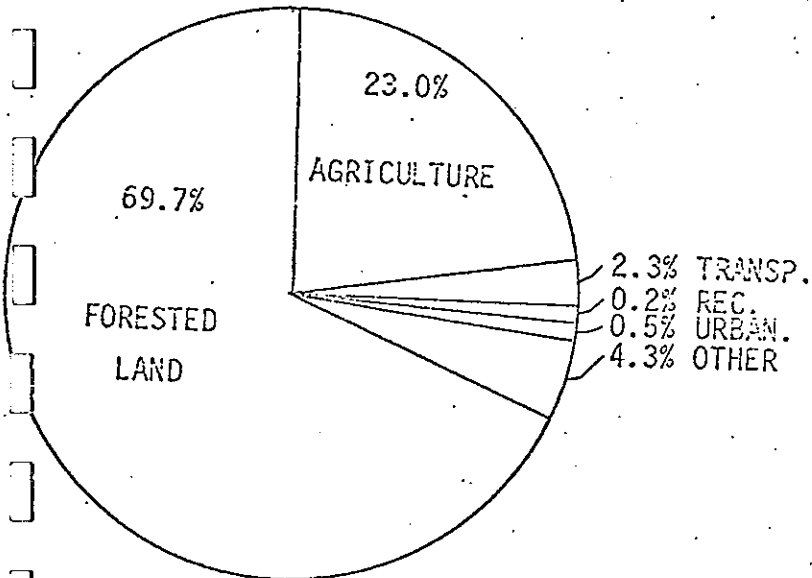
MONTMORENCY



OSCODA



OTSEGO



PRESQUE ISLE

Source: County and Regional Fact Book, Section 5, Table 25

LAND USE

Table 1

Use	Michigan		Region		Alcona		Alpena		Cheboygan	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Total Area	37,267,240		3,199,360		444,160		377,600		510,720	
Inland Water	899,504	2.4	115,328	3.6	10,560	2.4	16,256	4.3	49,472	9.7
Land Surface	36,367,736	97.6	3,084,032	96.4	433,600	97.6	361,344	95.7	461,248	90.3
Forested	18,900,200	52.0	2,302,500	74.7	322,800	74.4	210,400	58.2	337,200	73.1
Agriculture	11,947,603	32.7	398,328	12.9	55,941	12.9	92,656	25.7	54,847	11.9
Transportation	1,149,296	3.2	76,414	2.5	8,976	2.1	11,187	3.1	14,319	3.1
Recreation	611,489	1.7	20,936	0.7	1,822	0.4	2,154	0.6	2,293	0.5
Urbanization	1,086,146	3.0	11,012	0.3	224	0.1	4,446	1.2	2,035	0.4
Other	2,673,002	7.4	274,842	8.9	43,837	10.1	40,501	11.2	50,554	11.0

Table 2

Use	Crawford		Montmorency		Oscoda		Otsego		Presque Isle	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Total Area	362,240		362,880		363,520		344,320		433,920	
Inland Water	1,920	0.5	7,744	2.1	3,328	0.9	6,784	2.0	19,264	4.4
Land Surface	360,320	99.5	355,136	97.9	360,192	99.1	337,536	98.0	414,656	95.6
Forested	303,600	84.3	287,000	80.8	301,300	83.6	251,000	74.4	289,200	69.7
Agriculture	3,603	1.0	28,351	8.0	24,960	6.9	46,052	13.6	95,521	23.0
Transportation	9,816	2.7	6,776	1.9	6,894	1.9	9,120	2.7	9,326	2.3
Recreation	12,727	3.5	486	0.1	179	0.1	489	0.1	786	0.2
Urbanization	763	0.2	131	0.0	0	0.0	1,261	0.4	2,152	0.5
Other	29,811	8.3	32,392	9.1	26,859	7.4	29,614	8.8	17,671	4.3

According to the 1970 Census, Alpena County had a population of 30,708, which was a 7.5% increase over a 1960 figure of 28,556. Seventy-five percent of this population is located in the City of Alpena and Alpena Township which is only 21% of the total land area of the County. The remaining 25% of the population is sparsely distributed at an average density of 17+ persons per square mile throughout the remaining area of seven rural townships. Table 3 provides population figures for each governmental unit in the County. Map IV indicates the location and boundaries of these units.

Highway access for Alpena County is provided by US 23, running generally north-south supplemented by M-65 and east-west by M-32. The nearest tie with Michigan Interstate System is via M-32 to Gaylord where connections are made with I-75.

This is a traveling distance of approximately seventy miles. US 23 provides connections through Alpena, with Mackinaw City, 100 miles to the northwest and Bay City, the nearest metropolitan area, 130 miles to the south. Rail service to the County is provided by the Detroit and Mackinaw - Lake Huron shoreland line. This line has been determined as a "solvent" line in the national rail re-organization plan and provides rail service north to Mackinaw City and south to Bay City.

Air-freight and air passenger service is provided at the Phelps-Collins Airport, which is located five miles east of the City of Alpena along Highway M-32. Commercial service is provided by North Central Air Lines. Commuter service is provided by Seiko Air Service.

Table 3

POPULATION, INCLUDING MINOR CIVIL DIVISIONS

Location	1970	1960	Percent Change
United States	203,211,926	179,323,175	11.8
Michigan	8,875,083	7,823,194	13.4
Region	94,107	82,926	13.4
Alcona Co.	7,113	6,352	12.0
Alcona Twp.	486	381	27.6
Caledonia Twp.	763	654	16.7
Curtis Twp.	718	664	8.1
Greenbush Twp.	760	536	41.8
Gustin Twp.	613	696	-11.9
Lincoln Village (Part)	146	246	-40.7
Harrisville City	541	487	11.1
Harrisville Twp.	902	787	14.6
Hawes Twp.	811	624	30.0
Lincoln Village (Part)	225	195	15.4
Haynes Twp.	416	368	13.0
Mikado Twp.	636	617	3.1
Millen Twp.	270	318	-15.1
Mitchell Twp.	197	220	-10.5
Alpena Co.	30,708	28,556	7.5
Alpena City	13,805	14,682	-6.0
Alpena Twp.	9,001	6,616	36.0
Green Twp.	863	811	6.4
Long Rapids Twp.	878	886	-0.9
Maple Ridge Twp.	1,091	907	20.3
Ossineke Twp.	1,353	1,188	13.9
Sanborn Twp.	1,624	1,413	14.9
Wellington Twp.	269	344	-21.8
Wilson Twp.	1,824	1,709	6.7

Great Lakes shipping is accommodated with docking facilities located at Alpena City. Facilities include two city-owned docks, one Federal dock, seven private, industrial-commercial docks, and one municipal - small boat harbor. The Thunder Bay River is maintained at a depth of 18 1/2 feet from the mouth of the river to Second Avenue (1800+ feet up river), and a 14 foot depth from Second Avenue to the Island, which is further inland an additional 7500+ feet.

The municipal small boat harbor contains mooring for 60 small craft and offers boat launching for sail and motorized craft. Other support facilities at the harbor include a complete marine shop for supplies, and rest rooms and showers for boaters. Navigation opens early in April and closes about mid-December.



REF TO COUNTIES

L A K E

H U R O N

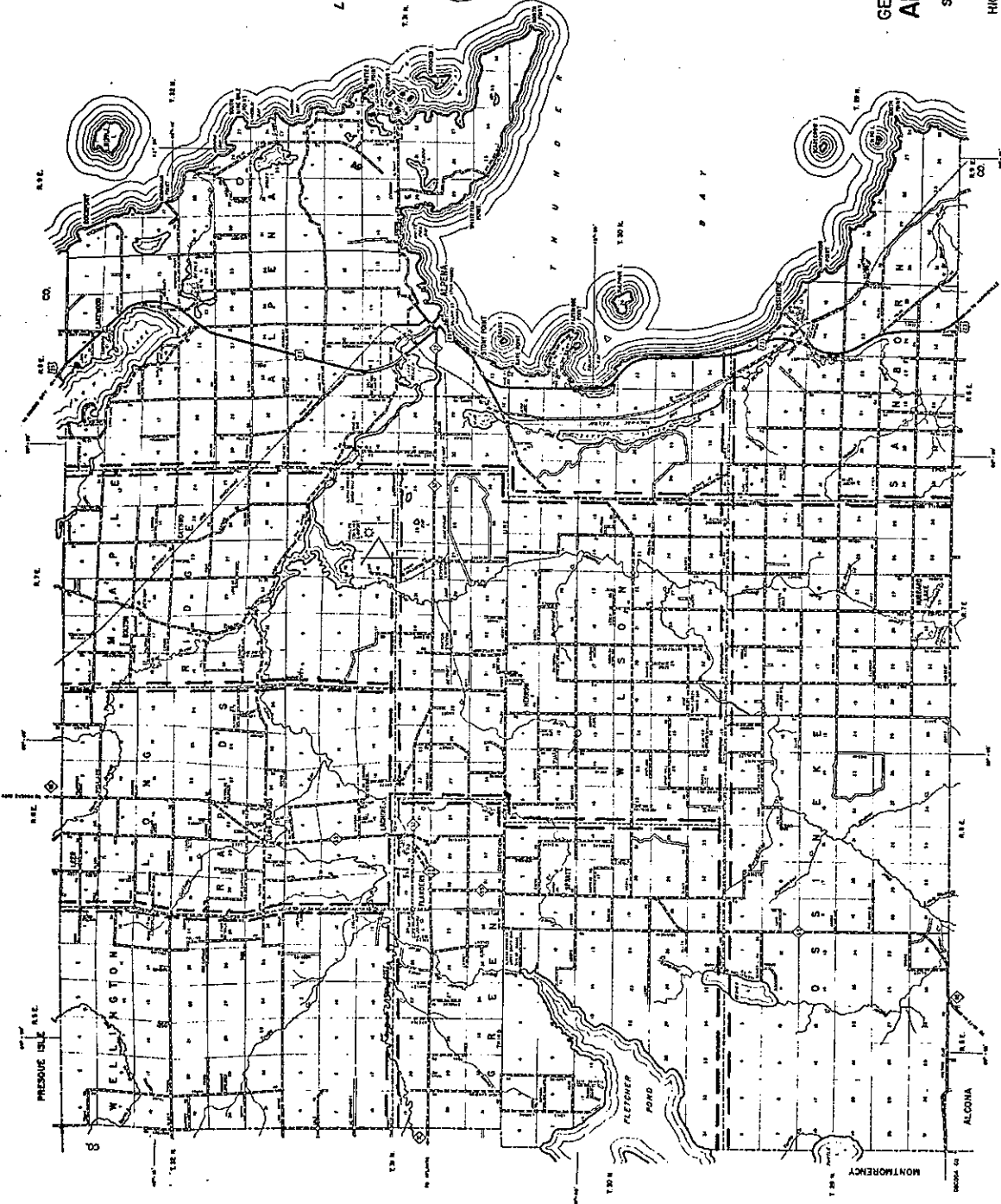


MAP IV
 GENERAL HIGHWAY MAP
 ALPENA COUNTY

MICHIGAN
 STATE HIGHWAY COMMISSION
 DEPARTMENT OF STATE HIGHWAYS

AND DERIVED FROM
 HIGHWAY PLANNING SURVEY
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 DIVISION OF PUBLIC ROADS

SCALE 1:50,000
 1938



LEGEND

	NATIONAL ROAD
	STATE ROAD
	COUNTY ROAD
	TOWNSHIP ROAD
	LOCAL ROAD
	PRIVATE ROAD
	ROAD SYSTEM EXTENSION
	WATERWAY
	LAKE
	STREAM
	CANAL
	DAM
	BRIDGE
	FERRY
	RAILROAD
	CITY AND VILLAGE
	SCHOOL
	CHURCH
	CEMETERY
	PUBLIC BUILDING
	POST OFFICE
	TELEPHONE EXCHANGE
	ELECTRIC POWER LINE
	GASOLINE STATION
	AMUSEMENT PARK
	PUBLIC UTILITY
	OTHER BUILDING
	OTHER STRUCTURE
	OTHER FEATURE

B. Economic Base

The economic base in the Alpena labor market area reflects a more than average diversity than the remainder of northern Michigan. The available resources in the area have allowed for this diversification. The economic base began to grow during the 1870's with the exploitation of the area's vast lumber resources. The economy grew due to the availability of this resource in both manufacturing and accompanying nonmanufacturing industries. The dwindling timber resources from 1910-20 forced the abandonment of most lumber-related firms, causing a large out-migration of population and thereby business. Other resources, however, were also available for use and a more diversified economic base evolved, than found in many inland counties where lumber alone provided jobs. Abundant limestone attracted the industry to exploit it and thence came cement production and related products. Accessibility to water and rail transportation was an additional attraction to business and thus many firms survived the transition from a lumber-based economy. This has allowed the Alpena LMA some independence from the seasonal tourist-based economies prevalent in northern Michigan counties.

The manufacturing sector in 1976 had 28.7 percent of all wage and salary jobs in the LMA. In 1975 this percentage was 27.6, which was also down from 31.9 percent in 1974. The comparable statewide percentages were 32.4 in 1976, 31.3 percent in 1975, and 33.7 percent in 1974.

This sector still exceeds that in most northern Michigan LMA's. The Huron Cement Division of the National Gypsum Company is the largest employer. Huron Cement operates the largest cement plant of

its kind in the world, limestone and shale quarries to supply itself and a fleet of ships to supply customers. The value of cement, clay and shale in Alpena County ranked it first in the State in 1974, and fourth for overall mineral valuation. The State of Michigan ranked fourth in the Nation in value of cement and eighth in clay and shale in 1973. Other large manufacturing employers include: Abitibi Corporation, producing decorative hardboard; Besser Company, manufacturing cement block machines; Fletcher Paper Company, making various paper products; Detroit Gasket and Manufacturing Company, producing automotive carpeting; and Thunder Bay Manufacturing, operating a grey iron foundry and fabricating punch presses.

Alpena has an Industrial Development Corporation (IDC) to attract new industry to the area. Currently, the IDC has three industrial parks: a 103-acre North Industrial Park; a 60-acre Huron Industrial Park, both class "B" parks serviced by water and sewer lines but not in close enough proximity to an expressway to allow a Class "A" rating; and an Airport Industrial Park of 200 acres with only partial development. The Alpena LMA has a relatively large manufacturing base in comparison with most other counties in this region, allowing the local economy again, independence from the seasonal cycles experienced in more nonmanufacturing-oriented economies.

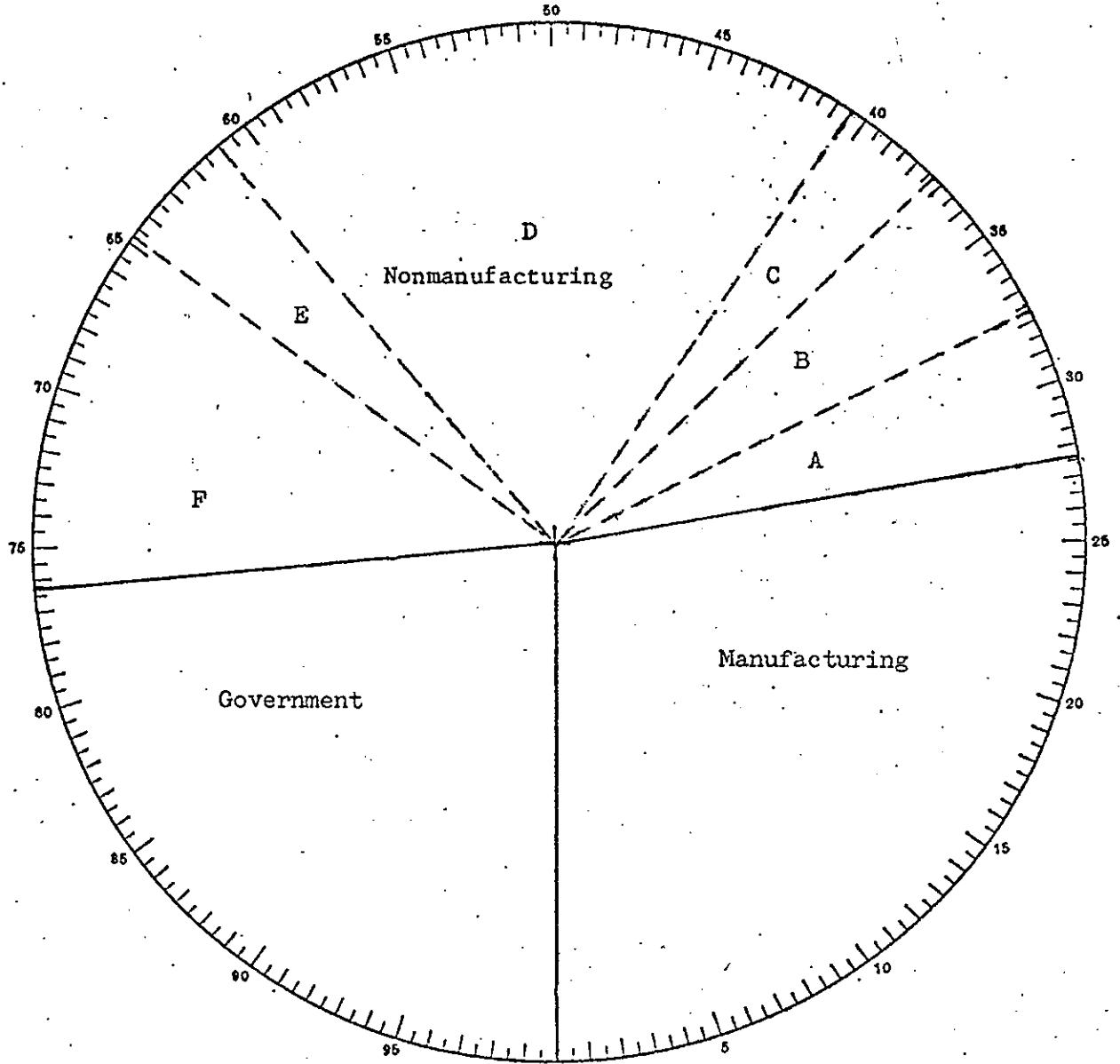
The nonmanufacturing firms in the Alpena LMA, and Statewide, hold the largest portion of the jobs worked for a wage or salary. In Alpena County, these firms encompassed 48.2 percent of all

wage and salary jobs in 1976, down from 48.7 percent in 1975, but up from 46.0 percent in 1974, due to the effect of the early 1970's recession on manufacturing industries as well as a small growth in jobs. Non-manufacturing firms across the State had 49.4 percent of the wage and salary jobs in 1976, down from 49.9 percent in 1975, but up from 49.2 percent in 1974. The largest local nonmanufacturing employers include: The General Telephone Company; Alpena Savings Bank; Mulvena Truck Lines; Peoples Bank and Trust; Kentucky Inns; and Alpena Power Company.

The government sector in Alpena County has a larger portion of all jobs worked for a wage and salary than the statewide average. Alpena is a governmental center for many agencies servicing surrounding counties. Wage and salary jobs in this sector encompassed, on a monthly average, 22.6 percent of all such jobs in 1976, 23.9 percent in 1975, and 21.9 percent in 1974. The government sector statewide also showed this trend; 18.2 percent in 1976, 18.8 percent in 1973, and 17.1 percent in 1974. The proportion of public sector jobs is about the same as in most northeastern Michigan counties. The largest governmental employer is the Alpena public school system, a countywide system with thirteen elementary schools, three junior highs, one senior high and one community college. Other large employers include: the US Government, the State of Michigan, Alpena General Hospital, the City of Alpena, the Alpena County Road Commission, and the Alpena-Montmorency-Alcona Intermediate School District.

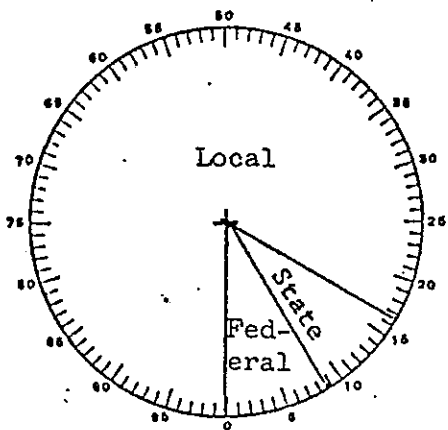
1975 WAGE AND SALARY EMPLOYMENT DISTRIBUTION

ALPENA LMA

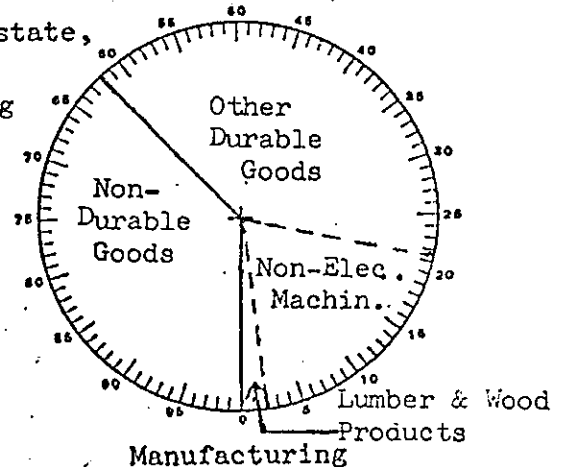


Wage & Salary Employment

- A. Construction
- B. Trans, Comm, & Util.
- C. Wholesale Trade
- D. Retail Trade
- E. Finance, Real Estate, & Insurance
- F. Service & Mining



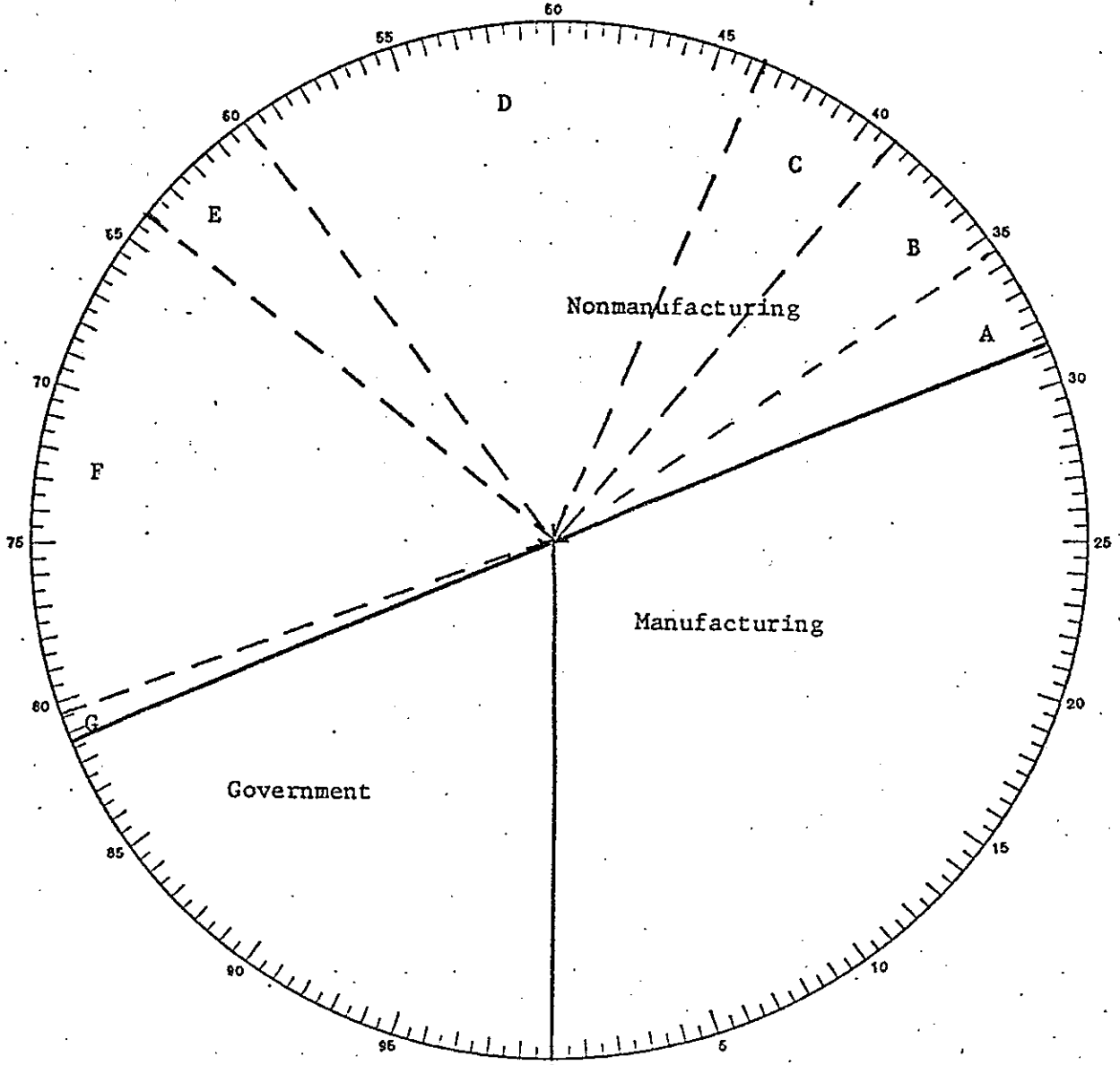
Government



Manufacturing

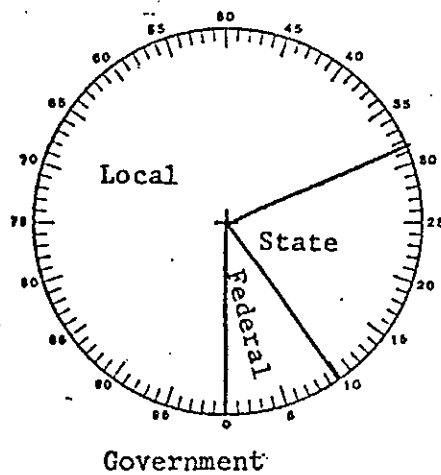
U.S. GOVERNMENT PRINTING OFFICE: 1967 O-210
 KEUFFEL & ESSER CO.

CHART II
 1975 WAGE AND SALARY EMPLOYMENT DISTRIBUTION
 STATE OF MICHIGAN

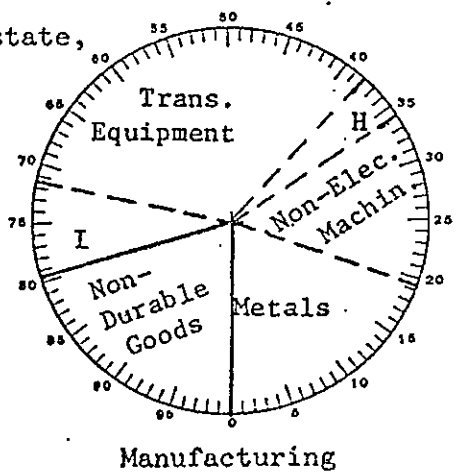


Wage & Salary Employment

- A. Construction
- B. Trans, Comm, & Util.
- C. Wholesale Trade
- D. Retail Trade
- E. Finance, Real Estate, & Insurance
- F. Service
- G. Mining
- H. Electrical Machinery
- I. Miscellaneous Durables



Government



Manufacturing

CIRCULAR PERCENTAGE 46 0210
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.

III. POPULATION AND LABOR FORCE

A. Population

The demography of Alpena County also diverges, in some cases, from that in most northern lower Michigan counties. The urban-rural distribution of county population was nearly equal in 1970. Only Grand Traverse and Wexford counties in northern lower Michigan had a higher proportion of their population in urban areas. The racial composition of Alpena is similar to most counties in the region, although the age of the local population is very young.

1970 — Population Density and Urban/Rural Residence

	Total Population	Area Sq. Mi.	Pop. Sq. Mi.	Residence	
				% Urban	% Rural
Michigan	8,875,083	56,817	156.2	73.8	26.2
Northeast Region	94,106	4,274	22.0	28.3	71.7
Alcona	7,113	677	10.5	0.0	100.0
Alpena	30,708	568	54.1	45.0	55.0
Cheboygan	16,573	725	22.9	33.5	66.5
Crawford	6,482	563	11.5	0.0	100.0
Montmorency	5,246	555	9.5	0.0	100.0
Oscoda	4,726	565	8.4	0.0	100.0
Otsego	10,422	530	19.7	28.9	71.1
Presque Isle	12,836	654	19.6	33.3	66.7

Source: U.S. Bureau of Census
(Northeast Michigan Regional Planning & Development Commission)

The median age in Alpena County was 24.9 years in 1970, the youngest of any county in northern Michigan. Many counties with a very young population have a large youth-oriented institution in the area, such as Wurtsmith Air Force Base in Iosco County and Central Michigan University in Isabella, but no such large institution exists in Alpena. The presence of a young population can be traced back to the period from 1950-60 when Alpena had the second fastest population growth in northern Michigan (28.7 percent), following

only Iosco County where Wurtsmith Air Force Base was being expanded. The growth in Alpena County was due to both in-migration (about 25 percent of the growth), and to a rising number of births. In 1960, 14.3 percent of the Alpena County population was under five years of age. Only Macomb County, absorbing young families from the Detroit area, and Midland County, with a rapidly expanding Dow Chemical Company, had higher proportions of their populations under five years.

AGE DISTRIBUTION - 1970 (a)

	<u>Male</u>	<u>Female</u>	<u>Percent of Total</u>	
			<u>Male</u>	<u>Female</u>
Under 18	6,248	6,240	41.6	39.8
18 - 44	4,772	5,031	31.8	32.1
45 - 65	2,818	2,991	18.8	19.1
65 & over	1,180	1,428	7.8	9.0
TOTAL	15,018	15,690	100.0	100.0

Natural Increases and Migration

1960 - 1970	<u>POPULATION</u>		<u>NATURAL INCREASE 60-70</u>			<u>NET MIGRATION</u>		
	<u>1960</u>	<u>1970</u>	<u>births</u>	<u>deaths</u>	<u>amt. change</u>	<u>amount</u>	<u>% of '60</u>	<u>pop.</u>
Michigan	7,823,194	8,875,083	1,753,686	729,033	1,024,653	+27,236	+0.3%	
Northeast Region	82,962	94,106	18,080	9,069	9,011	+ 2,134	+2.5%	
<u>Region Counties</u>								
Alcona	6,352	7,113	1,026	782	244	+ 517	+8.1%	
Alpena	28,556	30,708	6,675	2,693	3,982	-1,830	-6.4%	
Cheboygan	14,550	16,573	3,129	1,686	1,443	+ 580	+4.0%	
Crawford	4,971	6,482	1,177	636	541	+ 970	+19.5%	
Montmorency	4,424	5,246	734	596	134	+ 685	+15.5%	
Oscoda	3,447	4,726	735	510	225	+ 1,054	+30.6%	
Otsego	7,545	10,422	1,967	832	1,135	+ 1,742	+23.1%	
Presque Isle	13,117	12,836	2,673	1,334	1,303	- 1,584	-12.1%	

1950 — 1960	POPULATION		NATURAL INCREASE 50--60			NET MIGRATION	
	1950	1960	births	deaths	amt. change	amount	% of '50 pop.
Michigan	6,371,766	7,823,194	1,925,959	630,702	1,295,257	+156,171	+ 2.5%
Northeast Region	71,419	82,962	20,139	7,885	12,254	- 984	- 1.4%
<u>Region Counties</u>							
Alcona	3,658	6,352	1,146	689	457	+ 39	+ 0.7%
Alpena	22,189	28,556	7,188	2,364	4,824	+ 1,543	+ 7.0%
Cheboygan	13,731	14,550	3,688	1,721	1,967	- 1,148	- 8.4%
Crawford	4,151	4,971	1,085	485	600	+ 145	+ 5.3%
Montmorency	4,125	4,424	941	458	483	- 184	- 4.5%
Oscoda	3,134	3,447	744	352	392	- 79	- 2.5%
Otsego	6,435	7,545	1,888	659	1,229	- 119	- 1.8%
Presque Isle	11,996	13,117	3,459	1,157	2,302	- 1,181	- 9.8%

Source: U.S. Bureau of Census; Series P--25, No. 461, 6/28/71

(Northeast Michigan Regional Planning & Development Commission)

Alpena, as many areas nationwide, experienced the "baby-boom" following World War II but a second population explosion occurred in the area between 1957 and 1962 when the number of births peaked. During this period, employment prospects in Alpena County were bright. Abitibi Corporation was establishing a large decorative hardboard plant and Presque Isle Corporation re-established limestone quarrying operations at Stoneport, just six miles north of the county line in Alpena. The good economic climate at that time is visible in the youth population of today. This expanded group of youth are still going through the local school system and entering the labor market in ever increasing numbers. Statewide and nationally, the population has been becoming younger, although in many northern Michigan counties, the reverse has been true. Those over 64 years of age in Alpena County have remained at 8.5 percent of the population since 1960, down from nine percent in 1950. The proportion of the population over 64 years of age statewide increased from 8.0 to 8.5 percent from 1960-70 while nationally it rose from 9.0 percent to 9.9 percent.

Alpena County thus has not been attracting the number of older people evident in the more rural surrounding counties. The median age of individuals in the labor force was 39 years in 1970, again one of the youngest in northern Michigan, but above the State median of 38.3 years. The age for men in the labor force was 39.4 years and for women, 38.0 years. The relatively young population and labor force could indicate a fairly healthy economy, locally, assuming an average mobility of the labor force in the county.

Age Distribution of Population

1960	median	under 5 yrs		5-14 yrs		15-24 yrs		25-44 yrs		45-64 yrs		65 yrs +	
	Age	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
United States [in thousands]	29.5	20,321	11.0	35,465	20.0	24,020	14.0	46,891	26.0	36,057	20.0	16,560	9.0
Michigan [in thousands]	28.2	969	12.0	1,623	21.0	1,011	12.0	2,078	26.6	1,513	19.3	625	8.0
Northeast Region	27.0	9,962	12.8	16,871	21.6	10,326	13.2	17,458	22.4	15,399	19.7	7,976	10.2
Alcona	32.0	654	10.3	1,289	20.1	843	13.3	1,261	19.8	1,447	22.8	858	13.5
Alpena	25.0	4,079	14.3	6,263	21.9	3,943	13.9	6,860	24.0	4,982	17.4	2,429	8.5
Cheboygan	27.9	1,815	12.5	3,174	21.8	1,862	12.8	3,063	21.1	3,024	20.8	1,612	11.1
Crawford	30.6	539	8.4	967	19.5	645	13.0	1,194	24.0	1,081	21.7	545	11.0
Montmorency	33.3	451	10.2	913	20.6	533	12.0	888	20.1	1,066	24.1	573	13.0
Oscoda	32.9	363	10.5	696	20.2	416	12.1	683	19.8	816	23.7	473	13.7
Otsego	28.4	918	12.2	1,571	20.8	1,018	13.5	1,723	22.8	1,551	20.6	764	10.1
Presque Isle	26.4	1,682	12.8	2,965	22.6	1,711	13.0	2,979	22.7	2,513	19.2	1,267	9.7
1970													
Michigan [in thousands]	26.3	804	9.1	1,902	21.4	1,575	17.8	2,085	23.5	1,755	19.8	753	8.5
Northeast Region	28.3	7,991	8.5	21,880	23.4	14,209	15.1	19,840	21.1	19,591	20.8	10,596	11.3
Alcona	36.9	503	7.1	1,401	19.7	893	12.6	1,267	17.8	1,834	25.8	1,215	17.1
Alpena	24.9	2,644	8.6	7,788	25.4	4,958	16.1	6,901	22.5	5,809	18.9	2,608	8.5
Cheboygan	27.3	1,497	9.0	3,779	22.8	2,546	15.4	3,495	21.1	3,297	19.9	1,959	11.8
Crawford	27.5	527	8.1	1,496	23.1	1,041	16.0	1,429	22.0	1,280	19.7	709	10.9
Montmorency	36.0	354	6.7	1,083	20.6	698	13.3	935	17.8	1,348	25.7	829	15.8
Oscoda	37.2	346	7.3	944	20.0	588	12.4	842	17.8	1,202	25.4	804	17.0
Otsego	26.3	1,033	9.9	2,460	23.6	1,538	14.8	2,413	23.2	1,991	19.1	987	9.5
Presque Isle	28.5	1,087	8.5	2,929	22.8	1,947	15.2	2,558	19.9	2,830	22.0	1,485	11.6

Source: U.S. Bureau of Census

(Northeast Michigan Regional Planning & Development Commission)

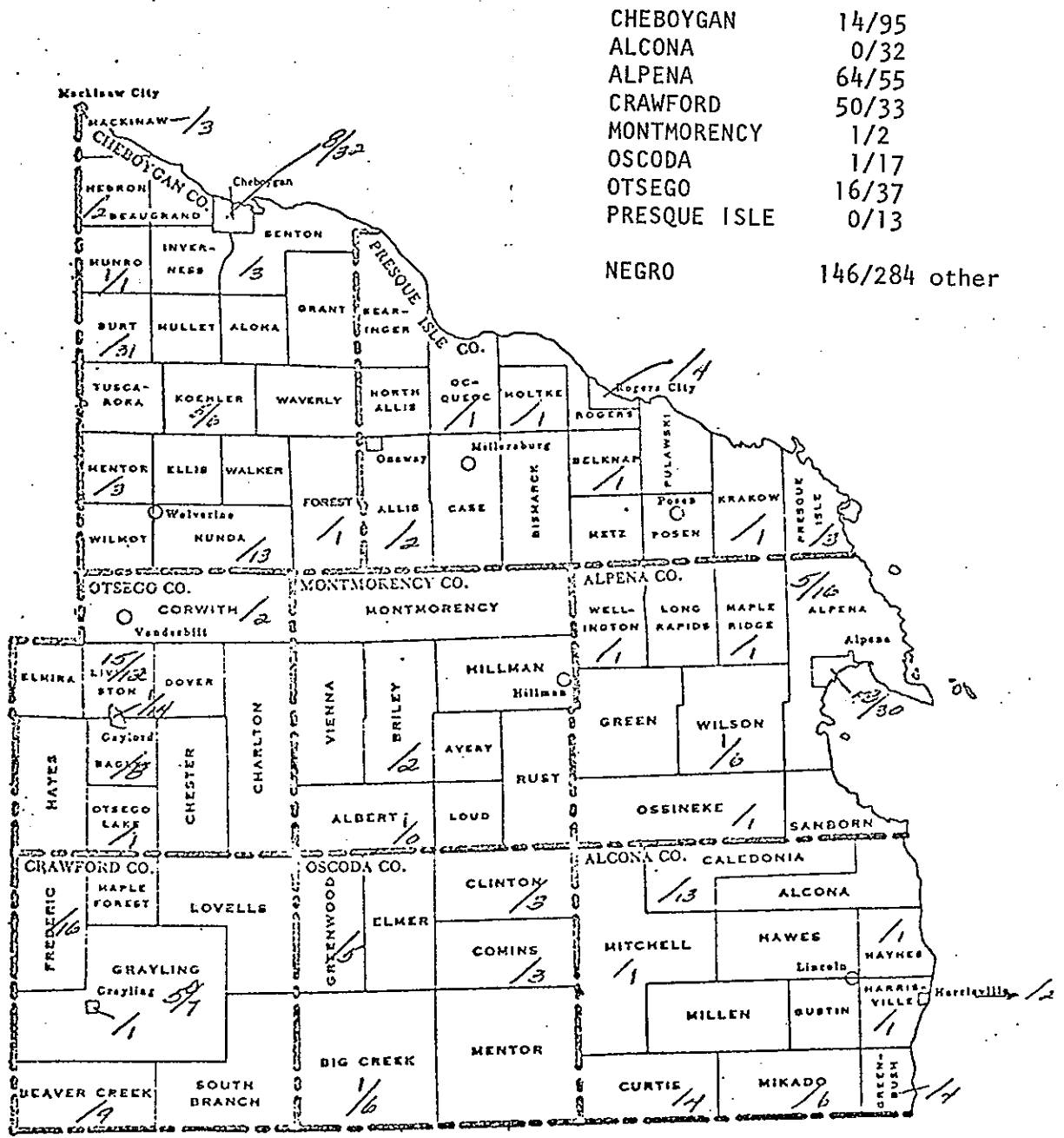
The racial composition of the local population is typical of most northern Michigan counties. In 1970, 99.6 percent of the local populous was white, with over one-half of the 0.4 percent minorities being black and about one-quarter American Indian. Those with Spanish-American surnames comprised 0.3 percent of the population.

TABLE 4

TOTAL POPULATION BY RACE - 1970

Location	Total Population	White		Negro		Indian		Other	
		No.	%	No.	%	No.	%	No.	%
United States	203,211,926	177,748,975	87.5	22,580,289	11.1	792,730	0.4	2,089,932	1.0
Michigan	8,875,083	7,833,474	88.3	991,066	11.2	16,854	0.2	33,689	0.4
Region	94,107	93,677	99.5	146	0.2	179	0.2	105	0.1
Alcona	7,113	7,081	99.6	0	0.0	24	0.3	8	0.1
Alpena	30,708	30,589	99.6	64	0.2	27	0.1	28	0.1
Cheboygan	16,573	16,464	99.3	14	0.1	62	0.4	33	0.2

MAP V
MINORITY DISTRIBUTION IN N.E. MICHIGAN REGION



Source:
General Population Characteristics - Michigan 1970
PC (1) - B24 Mich.
USDC - Bureau of the Census
Table 33 General Characteristics for County
Subdivisions - 1970 pgs. 161-177

TABLE 5

COUNTRY OF ORIGIN, BY NATIVITY - 1970

Origin	Michigan	Region	Alcona	Alpena	Cheboygan
Population -	8,875,068	94,107	7,113	30,708	16,573
Native of Native Parentage -	7,190,798	78,896	5,431	25,415	14,239
Native of Foreign or Mixed Parentage -	1,259,961	13,124	1,421	4,608	2,088
Foreign Born -	424,309	2,087	261	685	246
Total Foreign -	1,684,270	15,211	1,682	5,293	2,334
United Kingdom	148,612	863	98	239	107
Ireland	28,667	356	25	107	86
Sweden	33,639	316	9	58	106
Germany	184,192	3,080	299	1,050	328
Poland	214,085	2,204	162	855	199
Czechoslovakia	32,176	109	5	16	34
Austria	40,730	184	38	54	17
Hungary	39,202	172	65	36	21
U.S.S.R.	65,606	629	29	433	26
Italy	117,064	261	15	12	28
Canada	353,154	5,240	761	1,839	1,068
Mexico	31,067	85	23	33	--
Cuba	3,231	--	--	--	--
Other America	13,339	40	--	12	16
All Other and Not Reported	379,506	1,672	153	549	298

Population of the State of Michigan
And Selected Northeastern Michigan Counties

	<u>1960*</u>	<u>1970*</u>	<u>1974**</u>	<u>1977**</u>	<u>Percentage 1960-70</u>	<u>Change 1974-77</u>
State of Michigan	7,823,194	8,875,083	9,084,616	9,208,472	+13.5	+ 1.4
Alpena County	28,556	30,708	32,932	34,294	+ 7.5	+ 4.1
Alcona County	6,352	7,113	8,864	9,872	+12.0	+11.4
Montmorency County	4,424	5,246	6,767	7,644	+18.9	+13.0
Presque Isle County	13,117	12,836	13,871	14,459	- 2.1	+ 4.2

* Source: US Department of Commerce, Bureau of Census

** Source: US Department of Labor, Employment & Training Administration Methodology, Michigan Department Employment Security Commission, Research & Statistics Division

The population growth was slower in Alpena than in most surrounding counties and the State as a whole from 1960 to 1970. The expected growth from 1974 to 1977 is for a continuation of this trend.

B. Labor Force

1. Civilian Labor Force, Total Employment and Unemployment

The civilian labor force grew only by 100 on an annual average basis from 1974 to 1975, the smallest growth experienced this decade. However, during 1976, 125 additional persons have joined the job market. The December 1976 labor force of 14,525 persons has been exceeded only five times in the Alpena LMA (in January and February of 1976, September of 1975, and June and September of 1974).

From 1975 to 1976, the number of persons out of work dropped by 150 to 2,275, not quite double the 1,250 jobless in 1970. This small decline in joblessness, compared with a larger gain in employment is due to the mounting labor force. The rate of unemployment has declined twice since 1970, on an annual average; the percentage of the labor force out of work declined from 11.2 to 10.9 percent from 1970-71. The rise from 13.4 percent in 1974 to 17.1 percent in 1975 is certainly the most dramatic change. However, the rate of unemployment dropped from 17.1 percent in 1975 to 15.9 percent in 1976.

The rise in the number of jobs in the late spring and early summer, prior to the entrance into the labor force of summer job-seekers, usually lowers the unemployment rate. The peak periods of unemployment, as shown on the accompanying chart, are in the summer and late winter. The seasonally adjusted rate of unemployment nationally declined from 7.5 percent to 7.3 percent; however, when seasonal factors were not adjusted for, the rate actually declined from 7.4 percent in April 1976 to 6.7 percent in May 1976. Thus, seasonal factors can be appreciable. At this time, no seasonally adjusted data is available for the smaller labor market areas in Michigan.

2. Wage and Salary Employment

There were 450 more jobs worked for a wage or salary in the Alpena LMA in December 1976 than twelve months before. This rise from 8,925 in December of 1975 to 9,375 in December of 1976 is due to jobs developing in both manufacturing and nonmanufacturing industries.

Corresponding with the improving economy in the State and nationally, local manufacturing firms have developed jobs. The firms producing durable goods generally feel the brunt of a recession and are affected favorably in turn by a rebound in the economy. In fact, there were 1,825 jobs in durable goods-producing industries in December of 1976, 450 more than during December of 1975. During 1976, the non-electrical machinery industry rebounded from a lengthy strike at one of the major employers. The nondurable goods-producing firms had 900 jobs in December of 1976, 75 less than during December of 1975. The largest employing industry, paper and allied products, has had most of the developing jobs.

Wage and salary jobs in the nonmanufacturing industries reached a high of 4,775 in August of 1976. This exceeded previous yearly highs of 4700 in August of 1975 and 4,650 in September of 1974. The jobs have primarily been added in construction, transportation, communications and utilities, and services. The construction industry is presently experiencing some growth, following a very slow period in 1975. Transportation, communications and utilities also had lower employment levels in 1975 but with the aid of a new firm improved during 1976. Jobs in the service industry have continued to rise as this industry expands in the LMA.

The government sector had slightly more jobs during December 1976, 25 more than twelve months previous. The State government pay rosters in the Alpena LMA reached 200 in December 1976, up 50 from early 1975.

Percent

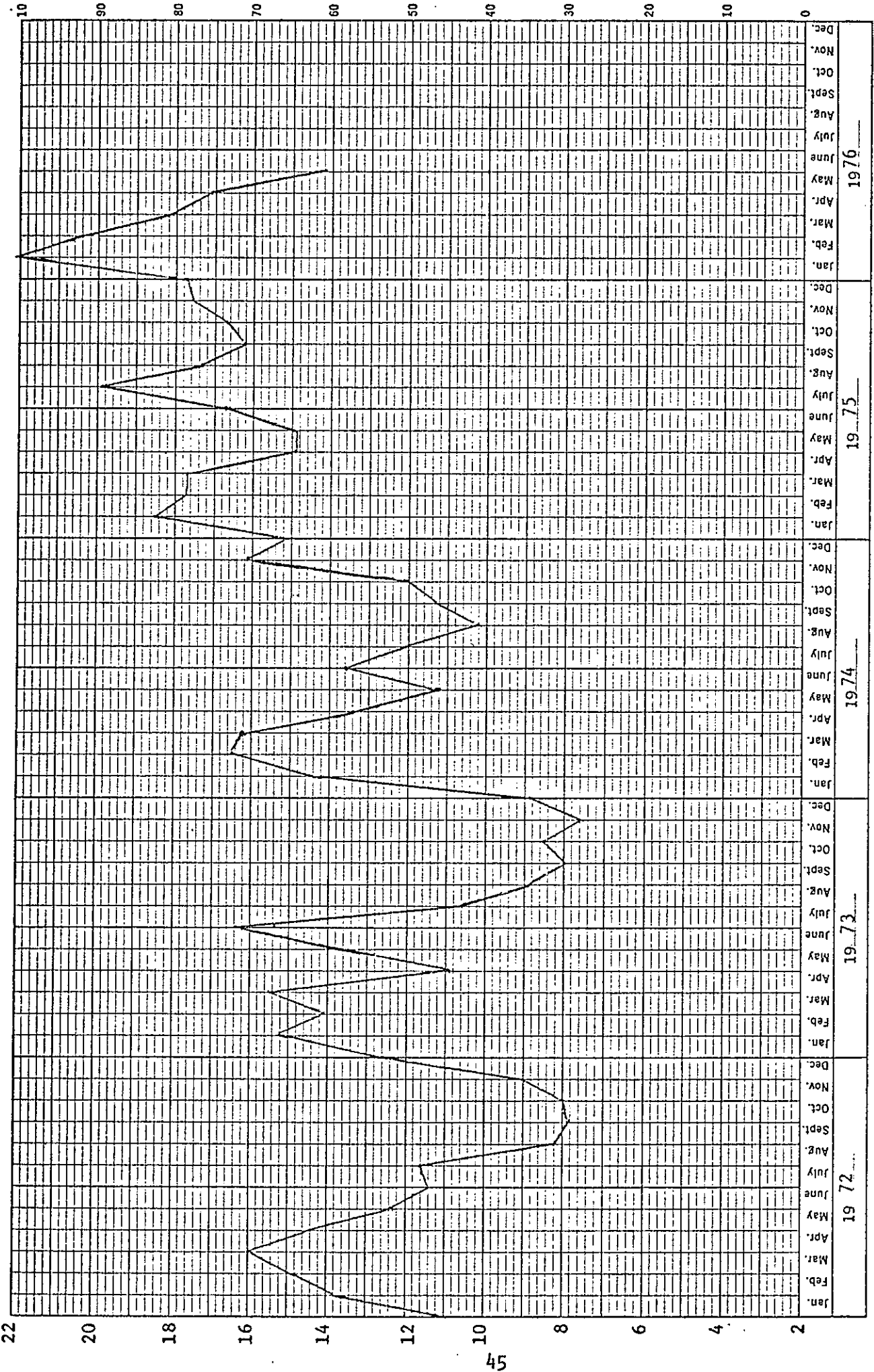


CHART I:
UNEMPLOYMENT RATES IN THE ALPENA LMA
(1972 to Date)

CHARACTERISTICS OF JOB APPLICANTS
IN THE ACTIVE FILE AS OF 1/1/77*

ALPENA MESC BRANCH OFFICE

<u>DOT** CODE</u>	<u>OCCUPATIONS</u>	<u>TOTAL</u>	<u>FEMALE</u>	<u>MINORITY</u>	<u>PERCENT OF APPLICANTS</u>
00-19	Professional, Technical & Managerial	134	60	2	10.3
20-24	Clerical	196	165	2	15.1
25-29	Sales	83	56	0	6.4
30	Domestic	24	21	0	1.8
31-39	Other Services	220	175	4	16.9
40-49	Farming, Fisheries & Forestry	30	5	5	2.3
50-59	Processing	24	10	0	1.8
60-69	Machine Trades	128	16	7	9.8
70-79	Bench Work	32	17	0	2.5
80-89	Structural Work	199	2	5	15.3
90-91	Motor Freight, Transportation	88	4	2	6.8
92	Packaging, Material Handling	117	13	6	9.0
93-97	Other, Miscellaneous	26	4	1	2.0
00-97	TOTAL	1301	548	34	100.0

3. Labor Supply and Demand

The number of job applicants at the Alpena MESC Office between July 1, 1975 and April 30, 1976 indicates an oversupply for most occupations in the LMA. A knowledge of certain characteristics of these job applicants provides a general profile of job-seekers in the area. These data are compiled from the records of the Employment Service at the local MESC office and should be reviewed with the understanding that job-seekers may register in certain occupations in disproportionate numbers to others. All persons filing for unemployment compensation must register for work. Those currently employed but seeking other jobs also included in the records (although 91.9 percent of the 6,272 applicants were unemployed and not looking forward to returning to a job soon).

Persons registering for work during the ten-month period from July 1, 1975 to April 30, 1976 were primarily in the structural work, machine trades, service and clerical occupations. The proportion of applicants has risen appreciably in the professional, technical, managerial, and service occupations over the same period last year. The proportion of the applicants in the structural work, motor freight, and transportation occupations has declined over this same time period. Job orders filled by the local MESC office were primarily for the packaging, material handling, farming, fisheries, and forestry occupations. Comparing the number of job orders filled to the number of job applicants in an occupation, the farming, fisheries, forestry, packaging, material handling, and domestic occupations have the least oversupply. The motor freight, transportation, machine trades, and sales occupations

are the most oversupplied. The average hourly wage of the job orders filled by the local MESC office was \$3.38, fairly high in comparison with other northern Michigan MESC offices. The average wages vary from \$1.82 per hour for domestic help to \$4.40 for structural work. Two of the least oversupplied occupations had the lowest average wage.

The typical job applicant at the Alpena MESC branch office is a white male high school graduate between the ages of 22 and 39, receiving unemployment compensation. These characteristics may help in determining target areas for programs to assist the unemployed. The racial make-up of job applicants follows that of the general population. Over two-thirds of the registrants were male. One-half of the applicants were high school graduates with a relatively low portion having less than a high school diploma (30.1 percent). Those with schooling beyond high school encompassed a sizeable portion also, 19.7 percent. The presence of Alpena Community College certainly has had an effect on this.

The age of job applicants is fairly diversified, but the highest proportion are in the 22-39 year old age group. Those in this group tend to be in a low seniority status and relatively mobile in seeking work. Just over two-thirds of the applicants were receiving unemployment compensation. About one-quarter of the applicants were veterans, and assuming most of them were male, they encompassed over one-third of the male applicants. Just under one in three applicants were considered economically disadvantaged; either a member of a family receiving welfare or one having less than a poverty level income. One-third of the economically disadvantaged were receiving welfare payments. The characteristics of job applicants at the local MESC

Characteristics of Job Applicants
in the Active File*

Alpena MESCS Branch Office

DOT** Code	Occupations	Percent of Applicants Percent of Applicants Percent Placed			Average Wage of Job Orders Filled
		7/1/74-4/30/75	7/1/75-4/30/76	7/1/75-4/30/76	
00-19	Professional, Technical, and Managerial	7.8%	9.0%	4.3%	\$3.43
20-24	Clerical	12.4	12.1	7.4	2.67
25-29	Sales	6.0	5.5	1.0	3.74
30	Domestic	1.6	1.1	3.6	1.82
31-39	Other Services	11.3	14.0	11.4	2.64
40-49	Farming, Fisheries, and Forestry	2.3	2.1	23.4	2.13
50-59	Processing	1.7	2.1	0.8	2.67
60-69	Machine Trades	13.8	14.5	1.8	3.25
70-79	Bench Work	4.0	3.4	0.8	2.73
80-89	Structural Work	17.9	16.7	8.1	4.40
90-91	Motor Freight, Transportation	10.5	8.3	0.5	3.00
92	Packaging and Material Handling	8.8	9.3	36.6	3.90
93-97	Other Miscellaneous	2.0	1.9	0.5	3.93
00-97	Total	100.0%	100.0%	100.0%	\$3.38

* Source: MESCS ESARS (Employment Security Automated Reporting System)

** Dictionary of Occupational Titles

office do not differ appreciably from most other northern lower peninsula branch offices.

4. Recent Developments

Employment prospects have been changing in Alpena County, generally for the better, due to openings and expansions of firms and to various government-related projects. Among the business expansions is SEACO Airlines. The new airline is a commuter service between Alpena, Wurtsmith Air Force Base and Chicago.

Recently completed is a new bridge crossing the Thunder Bay River on the western limits of the City of Alpena. The bridge will relieve traffic congestion through the city. The \$772,000 project was financed through a \$450,000 bond issue, a \$208,000 Federal Urban Highway Grant, and \$113,000 from the Upper Great Lakes Regional Commission.

Oracle Corporation, manufacturing snow plow equipment in the North Industrial Park, closed its doors in 1976. The firm operated in Alpena since 1973 and closed due to economic factors.

Projects set to start in the near future will also affect area employment. Local road construction will provide many jobs through 1976. The reconstruction of four miles of Cathro Road in Maple Ridge Township is to be completed by November 15, at a cost of \$109,000. The Hubbard Lake Road in Wilson and Ossineke Townships will also be under reconstruction this year, costing \$607,005. This project is also scheduled to be finished by November 15, 1976.

A shopping center is being constructed just south of the City of Alpena along US 23. The shopping center is to include a 30,000 square foot Kroger Super Market and 30,000 square feet in smaller shops. The shopping center will expand construction employment as well as

provide additional jobs at Kroger's as it expands from its present, smaller quarters at the smaller shops as they open.

The township of Alpena has initiated development of a sewage system project along an increasingly developed stretch of US 23 just south of the Alpena City limits. The \$1,230,000 project will extend sewers beyond the city limits, linking them to the city sewage treatment plant. A grant of \$984,000 has been provided by the Economic Development Administration for the project to serve such expanded business and job opportunities as the shopping center.

5. Income

How income in the labor market area is received, and the amount, reveals much about the composition of its economy. Data on the amount of personal income and how it is generated is compiled by the Bureau of Economic Analysis, US Department of Commerce. The amount of personal income received per Alpena County resident rose by \$383 from 1973, to reach \$4,356 in 1974. The residents of this county would need a 26 percent rise in income to match the 1974 \$5,800 statewide average. The income deficit in Alpena County has closed since 1966, when a 33.5 percent gap existed. The per capita incomes in the counties surrounding Alpena are lower. The growth in personal income locally from 1970-74 was great or greater than in surrounding counties and the State as a whole.

The total amount of personal income in the Alpena LMA was \$143,439,000 in 1974. Laborers and proprietors earned 73 percent of this amount. In the State as a whole, 76.7 percent of the \$53,493,337,000 was earned by laborers and proprietors. The portion of income earned by laborers and proprietors is comparatively high in Alpena, for a northern Michigan county. In neighboring counties, the proportions are as follows: Alcona County, 51.1 percent; Montmorency, 51.9 percent; and Presque Isle, 67.0 percent. Dividends, interest, and rent, or property income, brought in 11.6 percent of the income, a relatively small portion compared with surrounding counties, and below the 12.4 percent earned statewide. The remaining 15.4 percent of personal income in the area was received in the form of transfer payments.

TABLE III
 Per Capita Personal Income
 for Michigan and Selected Northeast Michigan Counties*

	<u>1966</u>	<u>1970</u>	<u>1974</u>	Percentage Change	
				<u>1966-70</u>	<u>1970-74</u>
State of Michigan	3,337	4,180	5,880	+25.8%	+40.7%
Alpena County	2,219	3,105	4,356	+39.9	+40.3
Alcona County	2,360	2,732	3,345	+15.8	+22.4
Montmorency County	2,108	2,741	3,443	+30.0	+25.6
Presque Isle County	2,043	2,618	3,702	+28.1	+41.4

Source: Bureau of Economic Analysis, U.S. Department of Commerce

Transfer payments could be described as payments for any non-current economically productive activity. This could be in the form of Social Security benefits, welfare, most veterans benefits, private pensions, or unemployment compensation. In this type of income also, the proportion in Alpena County is below those surrounding it (ranging up nearly to 30 percent), and the statewide average of 10.9 percent. The amount of transfer payments has risen much faster than the other income categories, as in the statewide trend. These payments rose 86 percent from 1970-74, while labor and proprietors earned an additional 48.5 percent, and property income rose by 26.8 percent.

The amount of labor and proprietors income generated by each local industry also reveals much about the local economy. The largest portion of income, 36.6 percent, was generated by manufacturing firms. Only Osceola and Manistee Counties in northern lower Michigan had a higher proportion of such income generated by manufacturing employers. Manufacturing firms generated 42.7 percent of the labor and proprietors income in the State. The second largest portion of area payrolls was earned in the State and local governmental units (17.9%), reflecting Alpena's position as a governmental center. The third and fourth largest portions of income were earned in the wholesale-retail sales firms and service establishment, with 15.0 and 9.9 percent, respectively. Alpena is also a center for shopping for surrounding counties and for seasonal tourists. The fastest growing industrial payroll occurred in construction firms, rising 83.7 percent from 1970-74.

The amount of income, and how it is received sets the Alpena LMA apart from many others in northern Michigan. For this geographic area, it has a relatively high reliance on private enterprise generated income, especially that from manufacturing firms.

IV. LABOR MARKET PROGRAMS

The Michigan Employment Security Commission (MESC) provides free employment services to anyone who wishes to apply for a job or place a job order. The MESC branch office at 1011 South Washington Avenue in Alpena, in addition to employment services, provides unemployment insurance claims services and aptitude testing.

The Work Incentive Program (WIN) is administered jointly by the Michigan Employment Security Commission and the Department of Social Services. The goal of the WIN program is to help welfare recipients become self-supporting, through finding them jobs. During the eleven-month period from July 1, 1975 to May 30, 1976, 358 Alpena County welfare recipients registered with the WIN office at 1011 South Washington Avenue. The WIN team provided work experience for 34 of those in the program, while 31 additional were in "on-the-job" training with local employers. Classroom training was provided for another 47. Nine WIN registrations were placed in public service jobs, while 116 others found jobs either directly or indirectly through WIN team efforts.

Many Alpena County residents have found employment opportunities through local administration of the Comprehensive Employment and Training Act of 1973 (CETA). Many of the CETA programs are locally

administered by the Alpena-Montmorency-Alcona (AMA) Intermediate School District in cooperation with the Region 9 office in Onaway. Funds are provided under Titles II and VI of the act for wages to qualified participants in public service employment.

The Northeast Michigan Rehabilitation Opportunity Center (NEMROC) also operates a local labor market program. The agency provides training, long-term employment, and placement in community jobs for handicapped persons in a seven-county northeastern lower Michigan area. Vocational Rehabilitation services of the State Department of Education provides rehabilitative services to youth and adults with mental or physical handicaps to enable them to obtain jobs. These services include diagnosis, comprehensive evaluation, training and employment placement.

"Project Jobs", one of 18 State funded pilot placement projects locally covering a 13 county area, is operating through Alpena Senior High School. The project is designed to help recent high school graduates to find satisfactory full and part-time jobs which are consistent with their career goals and vocational training. Career counseling and placement services are provided through area high schools.

The Alpena Soil Conservation Service (ASCS) is administering the Economic Development Administration's (EDA) Title X program locally. The Title X program provides funds for labor intensive resource-oriented projects in the county. Currently, 27 county residents are employed through the program. The Title X program requires that 75 percent of funding for a project be applied to labor and the remainder to materials. Locally, a limit of \$300 is allowed for materials on any one project; freeing an average of 85 percent of the funds for labor.

V. LABOR MARKET OUTLOOK

The labor force grew little through 1975, but improved economic conditions resulted in a sizeable expansion through 1976. The local labor force since 1970 has grown by an average of 554 people per year. The growth during 1977 should be close to the average. The number of persons out of work should decline from 1975 levels but remain above that of prior years. The rate of unemployment should average between 13 and 15 percent this year. Projections for fiscal year 1977 indicate a labor force of 15,375 with 2,300 unemployed, or an unemployment rate of 15.0 percent. Indications are that unemployment will drop below 1975 levels in the Alpena LMA, yet remain moderately high.

Wage and salary jobs will also continue to develop beyond 1975 levels. The manufacturing industries should develop some additional employment through the summer, although no sizeable, permanent expansion is foreseen. Nonmanufacturing jobs will continue to expand in a seasonal pattern, with local construction projects aiding employment somewhat. Some government jobs will be curtailed due to tight fiscal budgets, although the total extent of this will remain undetermined until schools open in the fall. Thus, job prospects appear brighter in two of the three employment sectors through 1977.

VI. FUTURE ECONOMIC DEVELOPMENT

A. Previous Planning Achievements

Alpena County has been extremely successful in achieving many of its developmental goals established in its original Overall Economic Development Program (OEDP) prepared in 1963. Goals were established which were aimed at improving the overall well-being of the entire county. Many were directly focused on improving the economic stability of the county which in turn recommended programs for the strengthening of the City of Alpena as the "Growth Center" of the Northeast Michigan Region. Significant among the achieved goals were:

- A) Form an Industrial Development Corporation whose primary purpose shall be to promote industrial development and increase job opportunities in the Alpena Area.
This goal was achieved shortly after the promotion of the OEDP concept within the Region.

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To effectively achieve this goal, long range planning will be promoted as an on-going process. This process will incorporate local citizen input to ensure that broad base interests are involved and efforts will also be directed toward keeping abreast of financial assistance programs which will augment local monies to efficiently bring about local desires.

No priority is involved in the following list of projects -- all are considered as important to the well-being and economic betterment of Alpena County and the City of Alpena as the region's "Growth Center".

C. High Priority Projects

Of vital importance is the establishment of a sanitary landfill operation for Alpena County. The closing of local dumps has made this issue critical.

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Improvements to Alpena County Fairgrounds with special emphasis on grandstands.

Recreation program implementation:

- a. fencing at Long Lake Park
- b. boat ramp at Beaver Lake Park
- c. development of a Hubbard Lake park

D. H. Riley

Christine M. Dubey
Christine M. Dubey

SPECIAL MEETING

December 18, 1975

A Special Meeting was held Thursday, December 18, 1975, at 7:30 p.m. at the Alpena Township Civic Building, 3000 US-23 North, Alpena, Michigan.

The meeting was brought to order by Alpena Township Supervisor, D.H. Riley at 7:30 p.m. The following people were in attendance: Representatives of Alpena County Planning Commission, also acting as OEDP (Overall Economical Development Planning Commission: Larry Mann, Larry LaCross, Doris Dautt, Herman Bordewyk, R. H. Allen, and Stephen Fletcher. Representing Alpena Township was D.H. Riley, Supervisor and Christine M. Dubey, Clerk. Representatives of R.S. Scott Engineering, Dave Landre, and Robert Alvey. Kenneth Apsey of the Alpena County Road Commission, Jerry Fairbanks of Northeast Michigan Regional and James Collison of E.D.A.

The meeting was for the purpose of Alpena County Planning Commission also acting as OEDP to pass a resolution listing the projects in Alpena County in priority needs. A motion was made by Steven Fletcher supported by Larry Mann that the proposed projects be accepted as the most urgent needs of Alpena County as listed by their priority and further stipulated that the Force Main and Adjoining Sewer Lines should be given the Commissions top priority recommendations.

Listed below are the needs of Alpena County by their priorities:

Community Utilities

- | | |
|--|-------------|
| 1) Force Main-Length approximately 1 mile, plus 3½ miles of collector (Paad Addition Sanitary) | \$1,100,000 |
| 2) Sanitary sewers south of Thunder Bay River | 7,500,000 |
| 3) Restoration of city water intake | 275,000 |
| 4) Water system south of Thunder Bay River | 2,500,000 |
| 5) Sewer and water north of Thunder Bay River | 5,000,000 |
| 6) Storm sewers south of Thunder Bay River | 8,000,000 |
| 7) New water intake for city | 6,000,000 |
| 8) Storm sewers for northern Alpena Township | 4,000,000 |

Community Facilities

- | | |
|---|-----------|
| 1. Civic Center multi convention center | 8,500,000 |
| 2. Area vocational skill training | 1,800,000 |
| 3. Exceptional friends handicapped (Building expansion and parking facilities). | 80,000 |

Community Renewal

- | | |
|--|---------|
| 1) Land restoration (Paad Addition) | 600,000 |
| 2) Decaying housing (Paad Addition) Listed along with 1. | 500,000 |
| 3) North industrial park | 65,000 |

Community Transportation

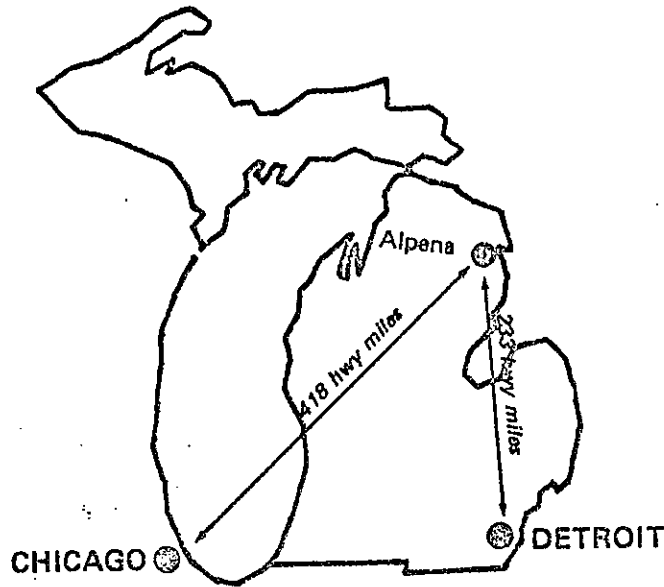
- | | |
|--|-----------|
| 1) Road building and rainage ditching in Alpena Township | 1,000,000 |
| 2) Water works access roads (Paad Addition) Approx. 11 miles | 450,000 |

Community Transportation

- | | |
|-------------------------|---------|
| 1) Inter park bike path | 200,000 |
|-------------------------|---------|

D. H. Riley

Christine M. Dubey
Christine M. Dubey



COUNTY: Alpena

EDA: Title IV

I. POPULATION

	<u>CITY</u>	<u>COUNTY</u>
1960 Census	14,682	28,556
1970 Census	13,805	30,708
1975 Estimate	13,936	33,182
Commerce:	<u>1/1/77 ESTIMATES</u>	
Primary Marketing Area (5 Counties)	100,737	
Secondary Marketing Area (8 Counties)	132,837	

II. POPULATION CHARACTERISTICS

Alpena County - Median Age = 25.1

Population Percentage by Age Groups:

18-24	15.2
25-35	11.5
20-44	28.0
50 & over	22.8

III. INCOME

Total effective buying income (EBI) in Alpena County - \$133,076,000

EBI by household - \$11,835

Percent of Households by EBI

Under 7,999	32.4
8,000-9,999	8.0
10,000-14,999	29.6
15,000-24,999	24.8
25,000 & Over	6.2

IV. EMPLOYMENT (WAGE RATES)

	<u>Entry</u>	<u>Average</u>	<u>Maximum</u>
A. Skilled	3.75	4.50	5.60
Semi-Skilled	3.40	3.50	3.75
Unskilled	2.75	3.00	3.25

B. Industrial Average Hourly Wages:

Range - from deviated minimum wages (in sheltered workshop)
to \$6.35 per hour

Janitor - \$4.10

Fork Lift Operator - \$4.83

Electrician - \$6.35

Welder - \$5.90

Assembler - \$4.20

File Clerk - \$2.87

V. INDUSTRY

<u>Major Firms in Area</u>	<u>Employees</u>	<u>Unions</u>	<u>Products</u>	<u>Year Established</u>
Thunder Bay Manufacturing	125	UAW-CIO	Iron Castings	1945
Presque Isle Corp.	200	UCLG	Limestone Quarry	1954
Baker Enterprises Inc.	50	USA-PWA	Metal Jobbing	1953
Besser Company	600	USA-PWA-UCLG	Concrete Block Machining	1897
Huron-Portland Cement Company	1000	USA-PWA-UCLG	Cement	1907
Abitibi Corp.	480	IWA	Hardboard	1957
Detroit Gasket, an Indian Head Co.	130	UAW	Auto Carpeting	1923
Fletcher Paper Co.	210	UPIW	Paper	1875

VI. RETAIL SALES (exclusive of groceries)

<u>FISCAL YEAR</u>	<u>SALES</u>
1969 - 70	\$ 65,683,675
1970 - 71	72,492,775
1971 - 72	84,974,725
1972 - 73	91,343,250
1973 - 74	99,550,569
1974 - 75	107,514,614
1975 - 76	116,115,777

VII. TRANSPORTATION

Rail Lines:	Detroit and Mackinac Railway
Highways:	US 23, M 32
Truck Lines:	Mulvena Truck Lines St. Louis Truck Lines
Cities reached by overnight truck haul:	Detroit, Toledo, Chicago, Columbus
Number of truck terminals:	4
Airport:	Phelps Collins Field
Commercial Service:	North Central Airlines, Inc. SEACO Airlines
Charter Service:	Alpena Flying Service, Inc.
Runways:	Concrete - one, 9,000 ft., two additional, 5,000 ft. each
Waterways:	2 City owned docks, 1 Federal dock

VIII. TAXES

1976		
City Rate:	\$ 19.06	Equalized Value: \$87,115,207
County:	5.48	Net Bonded Debt: 2,085,000
School:	30.73	Equalized Value: 197,874,685
Total:	55.27	Net Bonded Debt: None
		Net Bonded Debt: 7,713,000
Method of Assessment:		Assessed Value = 50% of sale value

IX. PUBLIC SERVICES

Police Department:	24 men	Fire Department:	26 men
(City)		Fire Stations:	2 4 trucks
Police Stations:	1 4 cars	Underwriters Rating:	6-D
(City)			
Zoning Ordinances:	Yes		
Building Code:	Yes		

X. UTILITIES

Water Supply and Capacity:	5.25 million g.p.d.
Demand:	4 million g.p.d.
Sewage Plant Capacity:	6.0 million g.p.d.
Demand:	2.4 million g.p.d.
Garbage and Refuse Pickup:	Private Collection
Industrial Waste Policies:	Land fill and pollution control programs administered by State and enforced locally
Electric Service:	Alpena Power Company
Gas Service:	Michigan Consolidated Gas Company
Can new industry be supplied?	Yes
Industrial Fuels:	Coal, oil, gas
Telephone:	General Telephone Company

XI. COMMUNITY SERVICES

		<u>Capacity</u>
Motels:	14	320 rooms plus 100 additional rooms by spring, 1978
Hospitals:	1	187 beds
Parks & Playgrounds:	15	170 acres
Newspapers:	1	Circulation
		<u>Assets (1/1/77)</u>
Banks:	2	
	Alpena Savings Bank	\$ 81,958,000
	Peoples Bank & Trust	69,540,000
Savings & Loan Associations:	2	
	First Federal Savings & Loan	\$ 31,500,000
	First Savings & Loan Branch operation	

Building: 14,950 square feet -- One story brick front, concrete block building with concrete floor; 16' ceiling, 1,040 square foot office space; gas hot-water heat; 100% sprinklered; 220 volt, 3 phase wiring; built in 1945. 1,350 square feet in auxiliary buildings; 2 acres of land with parking area; city highway garage; for sale.

Building; 7,000 square feet -- building with rail siding

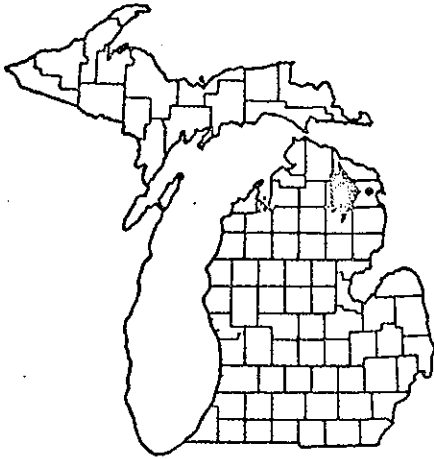
Building: 5,640 square feet -- one story building with rail siding

Certified Ind. Park: 60 acres -- no. 4-108 -- Huron Industrial Park, a private development with all utilities and internal streets installed; easement recorded for rail spur. Contact: Robert R. Chater, 2349 Lake Winyah Road, Alpena 49707 (517) 354-5902

Industrial District: 280 acres -- no. 4-106 -- Airport Industrial Park with electric power and natural gas available; adjacent to the airport; financing available through Alpena Industrial Development Corporation (see above)

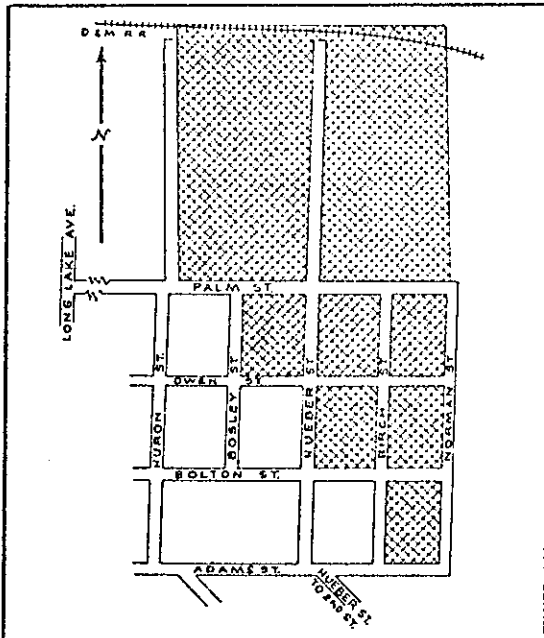
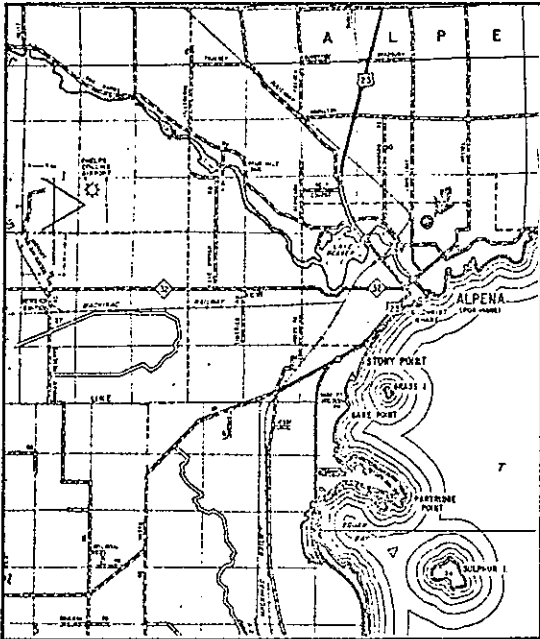
Industrial District: 103 acres -- no. 4-107 -- North Industrial Park with electric power and natural gas at site; water and sewer extension being engineered; D&M Railroad adjacent; financing available through Alpena Industrial Development Corporation (see above)

Sites: 40 acres -- no. 4-101 -- electric power and gas; available in part



HURON INDUSTRIAL PARK

CLASS B
Alpena, Alpena County



DEVELOPER

Robert R. Chater
601 Palm, Box 295
Alpena, Michigan 49707
(517) 356-2186

SIZE

62 Acres

UTILITIES

All Installed
Electricity: Alpena Power Company
Gas: Michigan Consolidated Gas Company
Telephone: General Telephone Company
Water and Sewers: Municipal

TRANSPORTATION

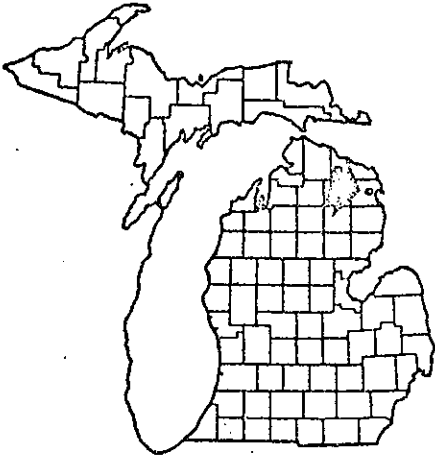
Highways
Class A. Internal Streets
US-23 — 1 Mile
Inside Alpena Commercial Trucking Zone

Rail
Detroit and Mackinac Railway Company
Spur Adjacent
Easement Recorded
Inside Alpena Switching Limits

Air
Phelps Collins Airport — Jet and U.S.
Customs Landing Rights — 8 Miles

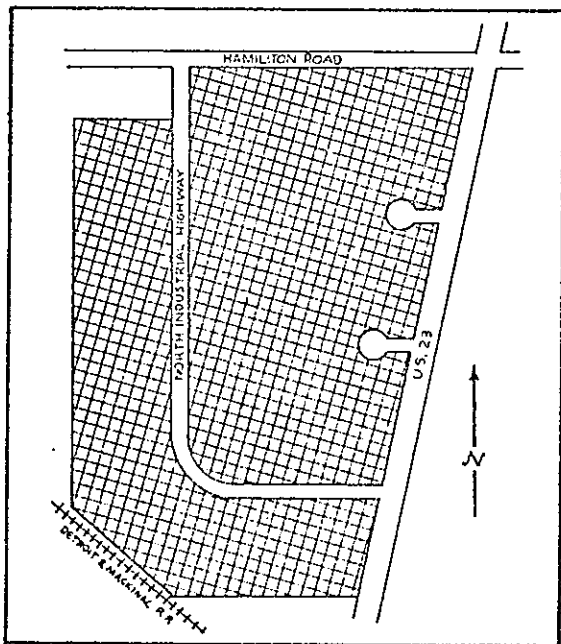
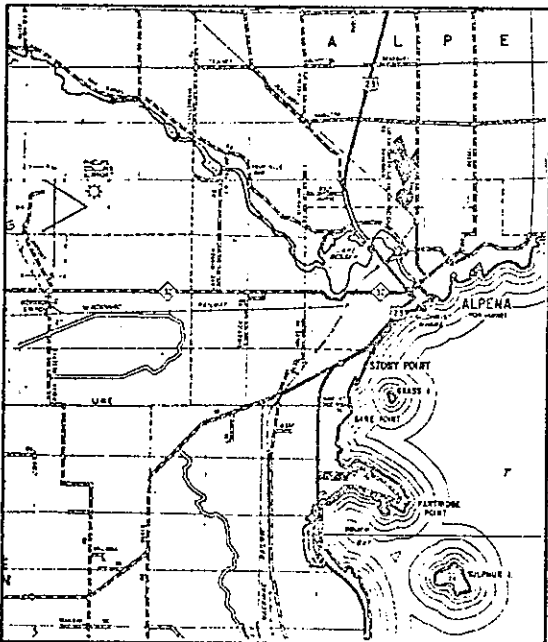
COMMUNITY DATA

Population: 13,805
IDC: Alpena Industrial Development
Corporation
Alpena Community College
Community Master Plan
Fire Rating: 6



NORTH INDUSTRIAL PARK

CLASS B
Alpena, Alpena County



DEVELOPER

Alpena Industrial Development Corporation
c/o Peoples Bank and Trust of Alpena
Alpena, Michigan 49707
(517) 356-2241

SIZE

107 Acres

UTILITIES

All Installed
Electricity: Alpena Power Company
Gas: Michigan Consolidated Gas Company
Telephone: General Telephone Company
Water and Sewers: Municipal

TRANSPORTATION

Highways

Class A. Internal Streets
US-23 — Adjacent
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How well
bring
them
in! - JDR

VI. FUTURE ECONOMIC DEVELOPMENT

A. Previous Planning Achievements

Alpena County has been extremely successful in achieving many of its developmental goals established in its original Overall Economic Development Program (OEDP) prepared in 1963. Goals were established which were aimed at improving the overall well-being of the entire county. Many were directly focused on improving the economic stability of the county which in turn recommended programs for the strengthening of the City of Alpena as the "Growth Center" of the Northeast Michigan Region. Significant among the achieved goals were:

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Successful Achievements associated with this goal has been the establishment of 3 Class B Industrial Parks. Together these parks provide 163 acres of industrially suitable land that has all utilities available. Approximately half of these acreages are available for development.

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