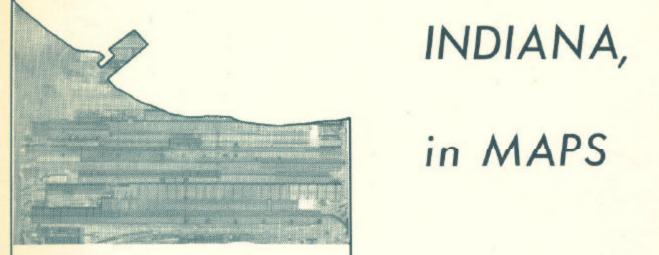
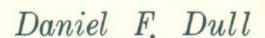
LAKE COUNTY,





Occasional Publication No. 6

Dept. of Geography
Indiana University

LAKE COUNTY,

INDIANA,

IN MAPS

by

Daniel F. Dull

OCCASIONAL PUBLICATION NO. 6

Department of Geography Indiana University Bloomington, Indiana 47401

Robert C. Kingsbury Project Director

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FORWARD

This small thematic atlas of Lake County, Indiana, is, I believe, the first one of its kind. Its maps are designed to give their user a general overview of the historical and cultural development of this county.

There are three types of cartographic products in this atlas: maps that were redrawn adaptations of existing maps, maps that were compiled by combining elements contained on two or more existing maps, and maps that were compiled from statistical sources. All major map and statistical data sources are listed in a separate section at the end of the atlas.

Appreciation must be expressed to Professor Robert C. Kingsbury, who was my cartographic advisor, and without whose help this atlas would not have been completed. I would also like to express many thanks to Professor H. Frye, Professor D. Pett, Professor L. C. Bennion, John M. Hollingsworth, David Cobb, Gary Conner, Bob Sexton, Donna Lassanske, the professional staff at Lake-Porter County Regional Transportation and Planning Commission, and many others for their assistance.

I would like to dedicate the work to my father, Mr. Daniel Dull, with much appreciation for his guidance in my life.

Hopefully, there are not too many errors, but inevitably there are some. I would appreciate all information on errors, no matter how small, so that they may be corrected if this atlas proves to be of sufficient value for a second edition. Also, I would appreciate suggestions for other maps that might be helpful to users of this atlas. Please address information on corrections needed and suggestions for map additions (or deletions) to the undersigned at: Department of Geography, Indiana University, Bloomington, Indiana, 47401.

Daniel F. Dull

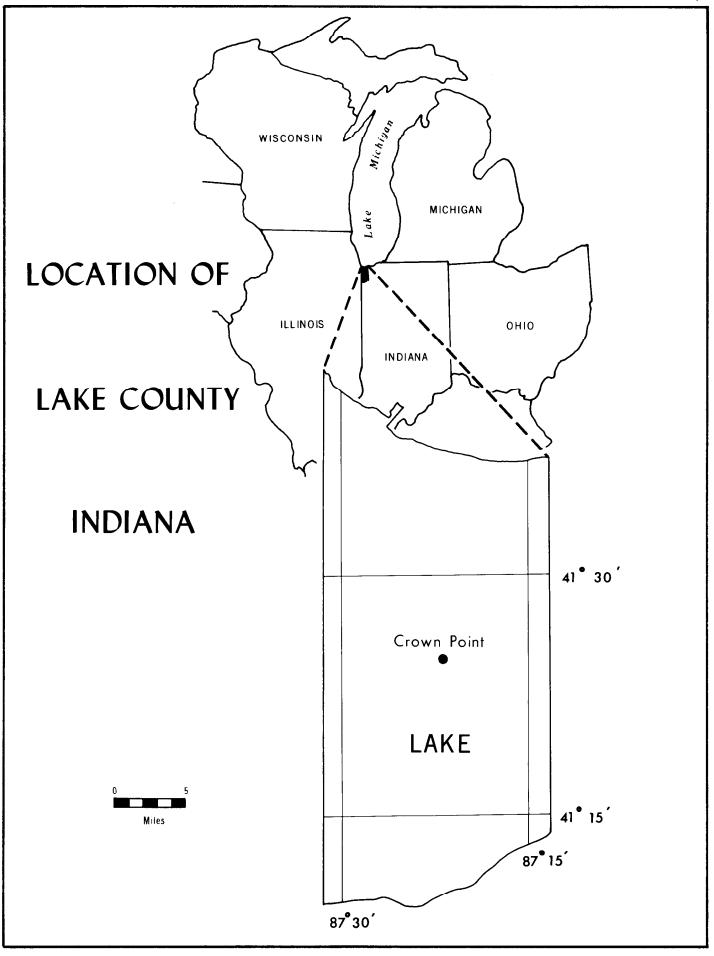
June, 1971

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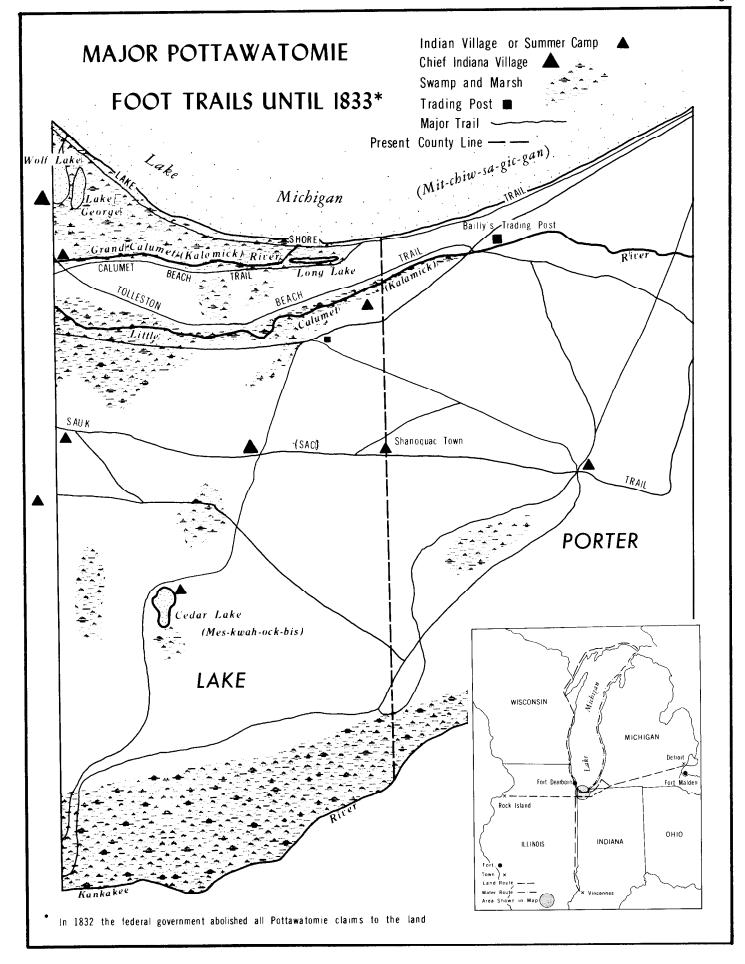
HISTORICAL FEATURES

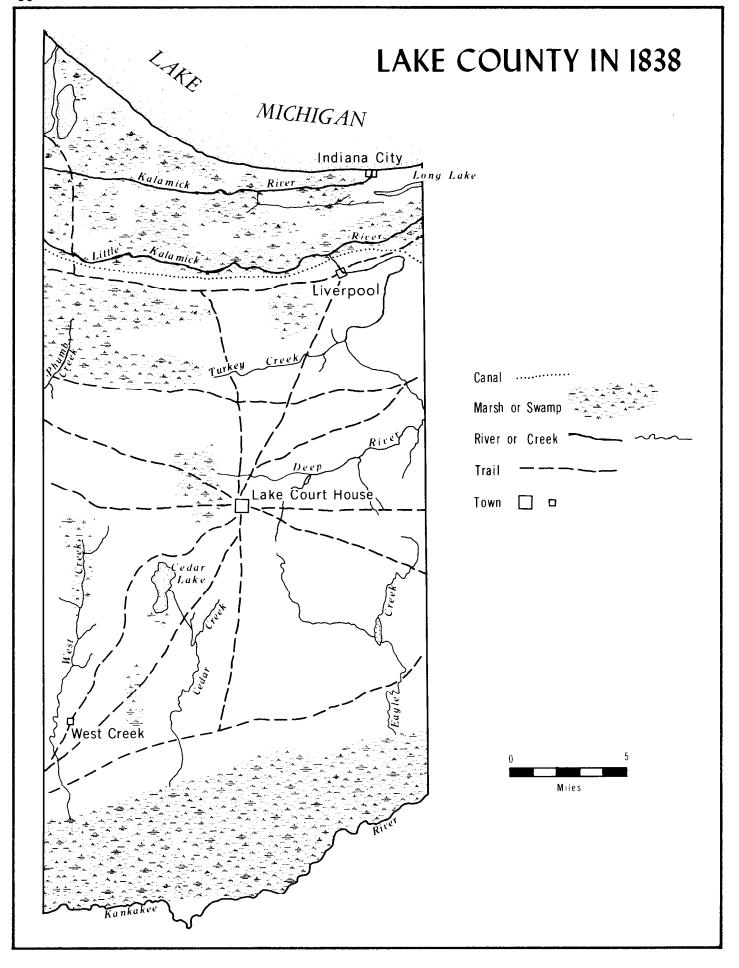
This first series of maps shows Lake County from the period of Potta-watomie control through its growth to the present time. Up until 1833, the only major white settlement in northwest Indiana was Joseph Bailly's Fur Trading Post in Porter County. In 1832, the Pottawatomies signed the Tippecanoe Treaty which opened the ten present northwest counties of Indiana to white settlers.

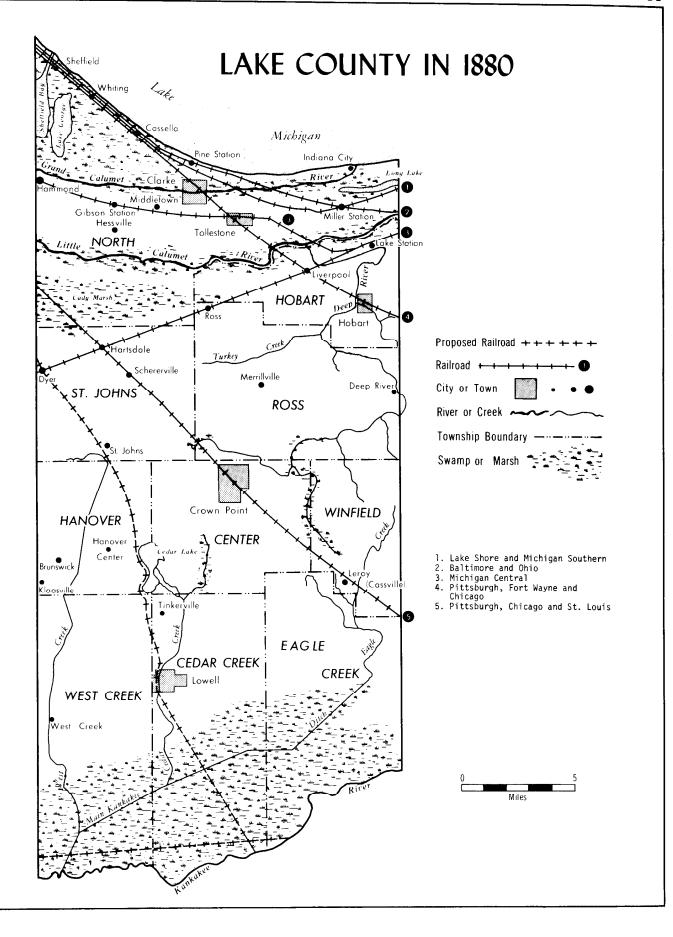
Most of the Indian trails shown on the first map are no longer distinguishable but in their place, roads and railroads were built. One of the most noted trails was the Sauk (Sac) Trail used by the Sauk Tribe to reach Detroit and Fort Malden, Canada from Rock Island, Illinois to receive their annual annuities.

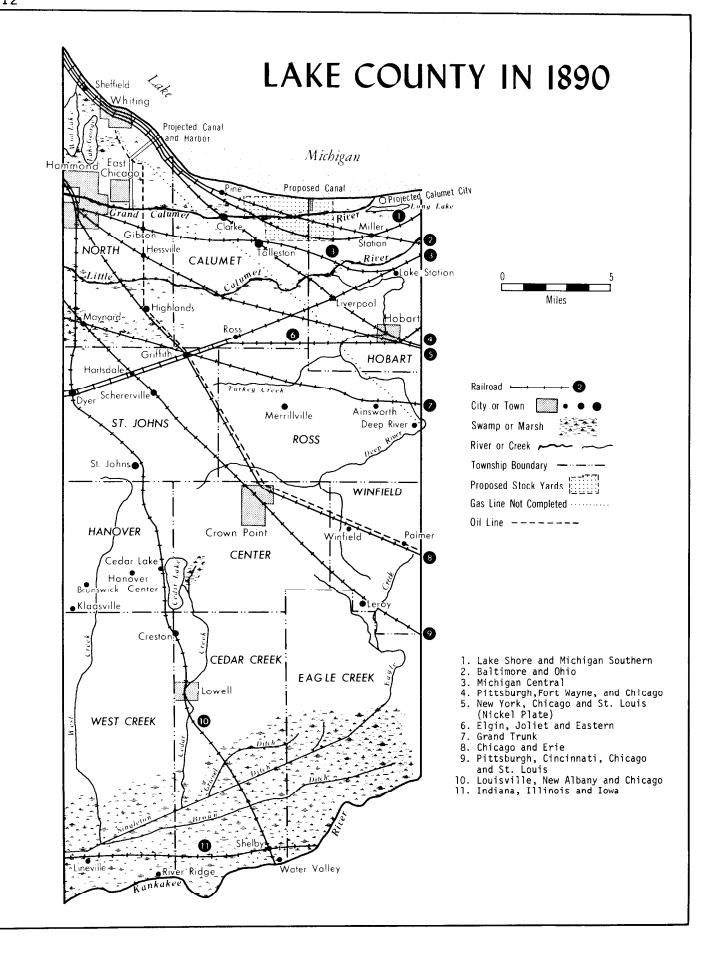
On January 18, 1837, the county was organized and given the name "Lake County" because of its location along the shore of Lake Michigan. The county seat was established at the present site of Crown Point, then called Lake County Court House, which was often written as "Lake C. H." In 1839, it was moved to the Liverpool, but later that same year was returned and has remained at Crown Point ever since.

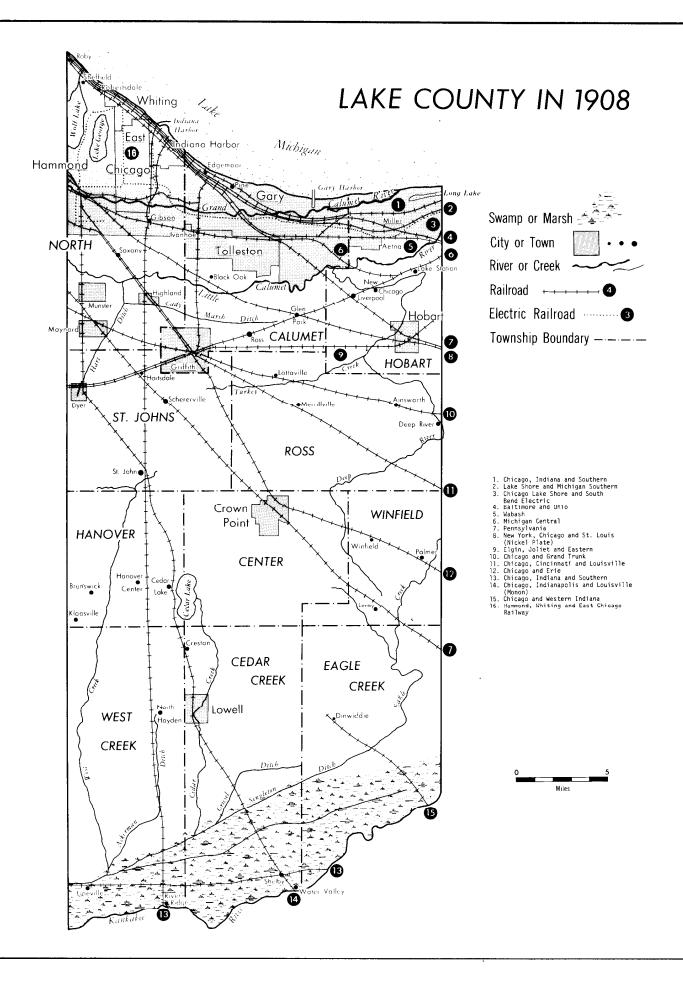
A series of county maps—1880, 1890, 1908, 1940, and 1970—record some of the major features of the county's development in the past 90 years. The expansion of the railroad system in the late 19th and early 20th Centuries was followed by the growth of roads and highways in the 20th Century. After 1880, large numbers of immigrants moved into the county and their arrival helped bring the establishment of new towns and the rapid growth of existing urban areas. This continued urban expansion, detailed on the 1908, 1940 and 1970 maps, has brought today a continuous urban area in the northern one—third of the county while the southern two—thirds has remained a region of small towns and open countryside.

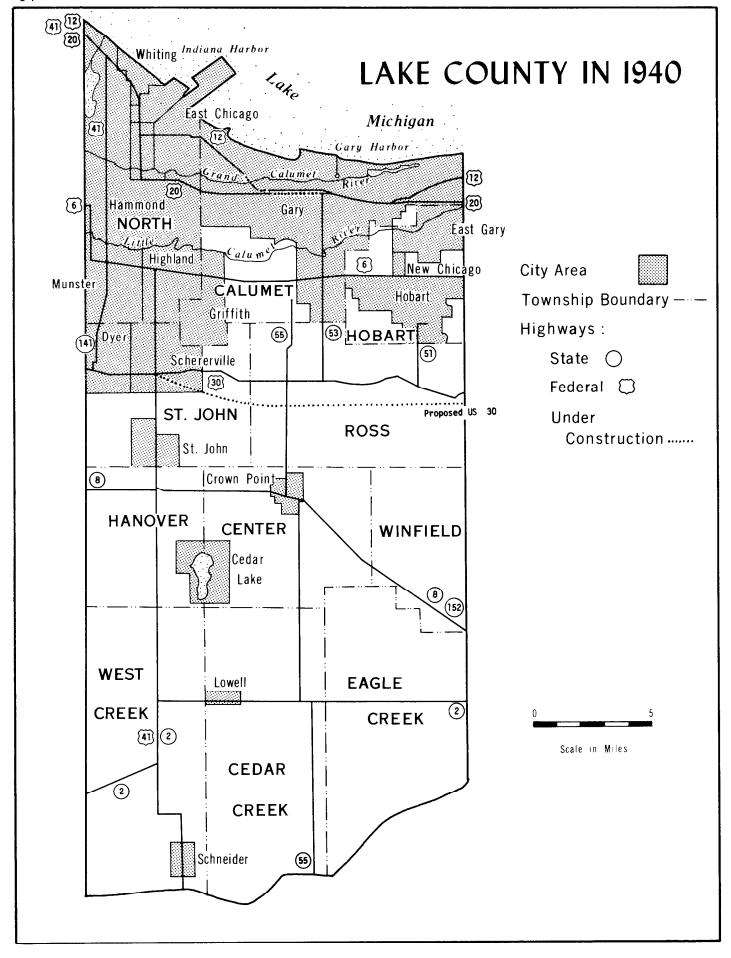


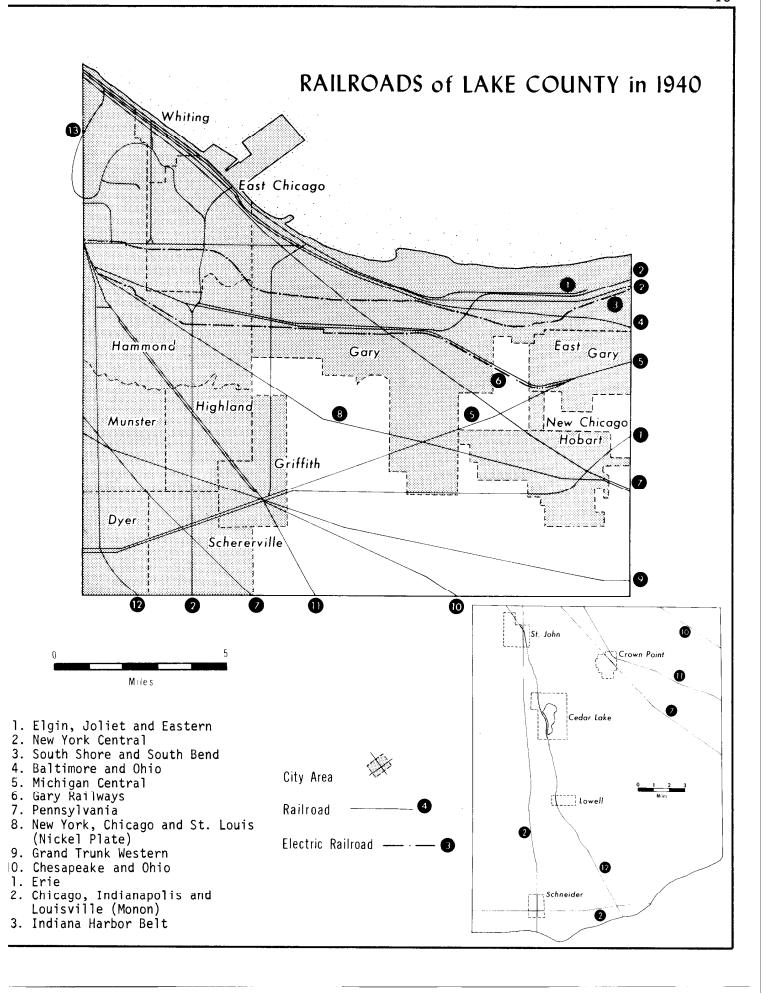


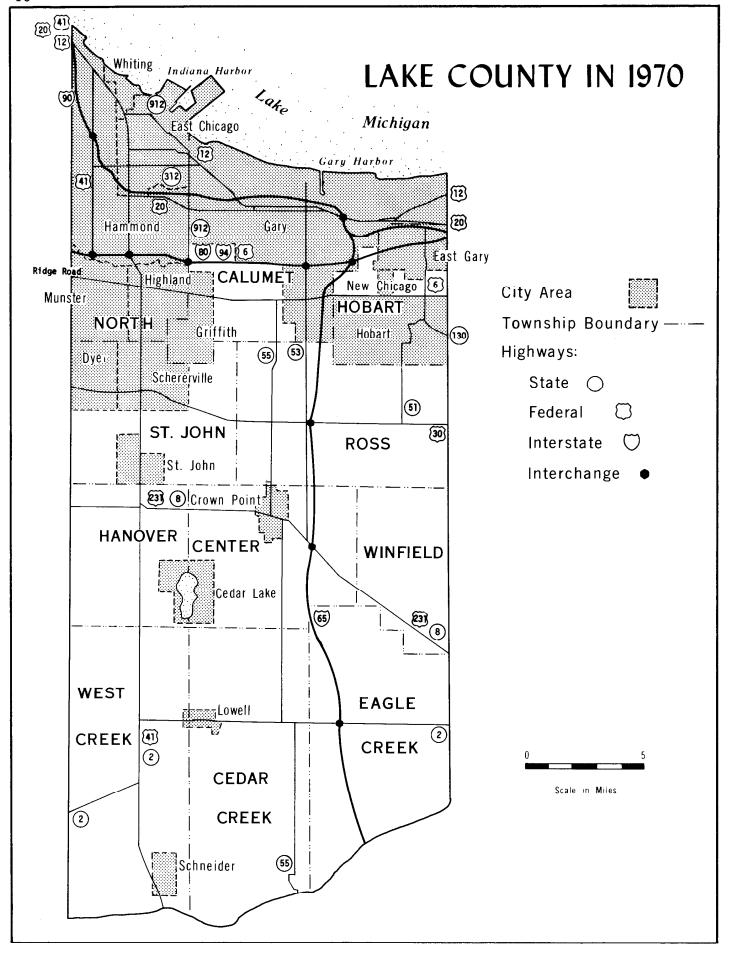


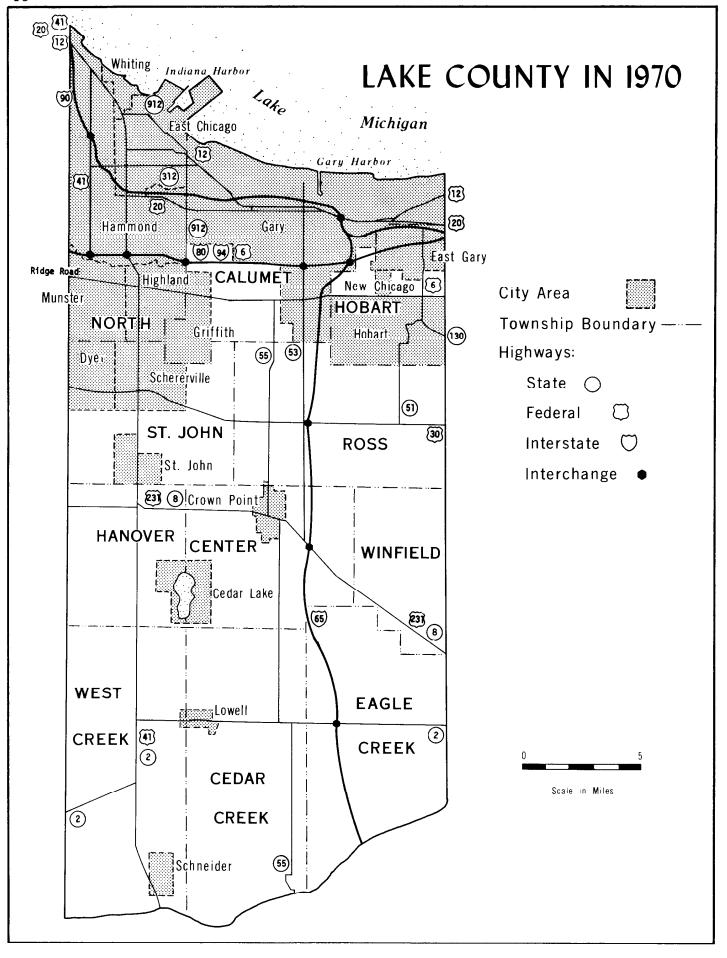


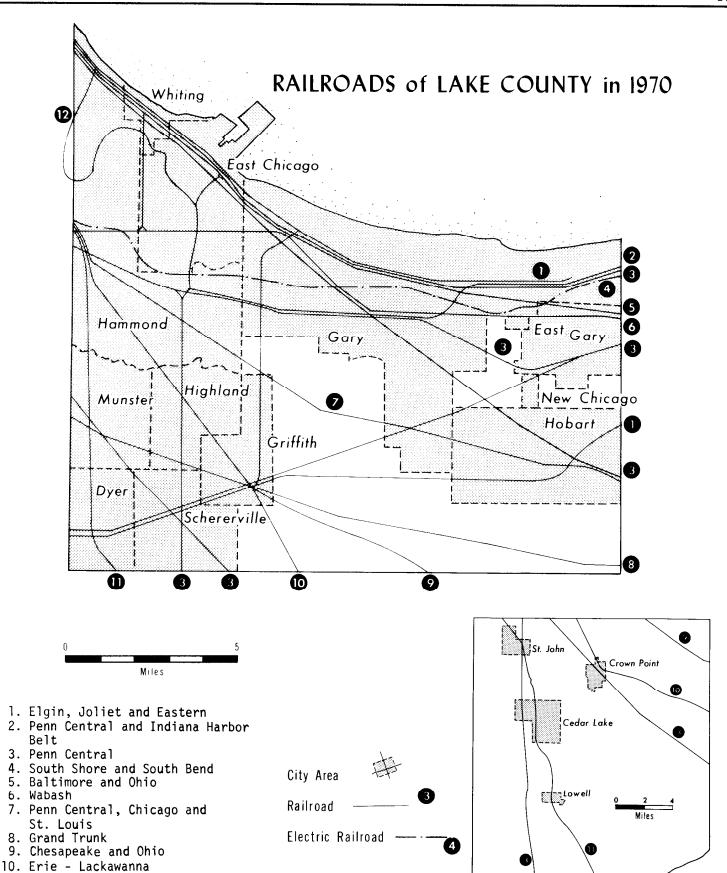












Schneider

 Chicago, Indianapolis and Louisville (Monon)

12. Indiana Harbor Belt

CULTURAL FEATURES

Measures of the human resources of Lake County and their patterns of distribution, density, and change are displayed on the following map series which shows settlement of foreign born, population distribution, population density, population change, presidential voting patterns, and major industrial enterprises.

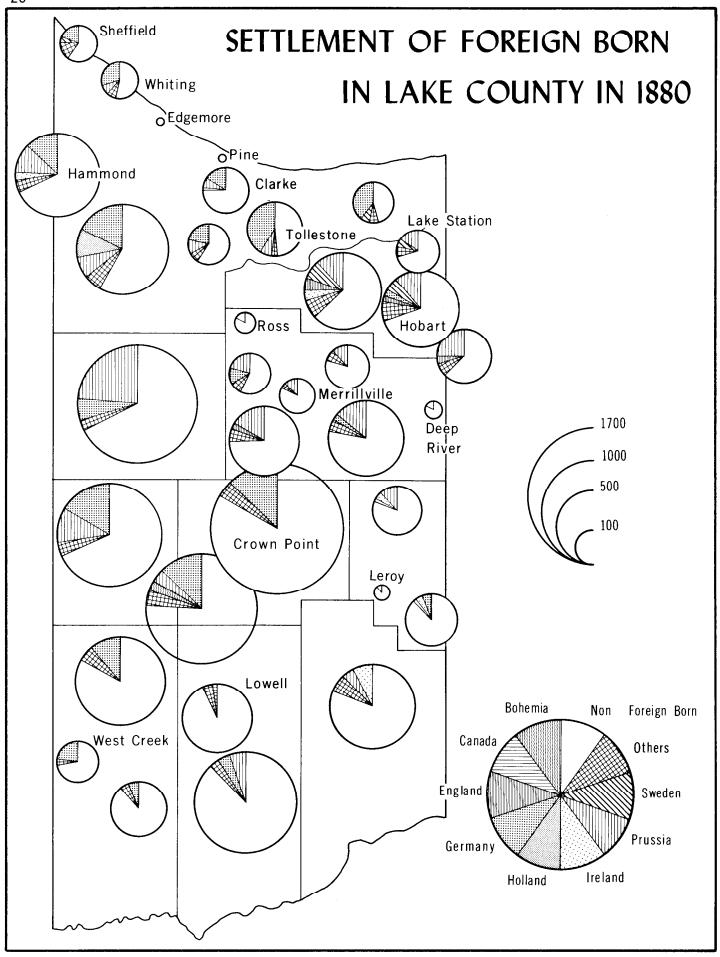
The map showing settlement of foreign born in 1880 indicates by proportional circles the total number of inhabitants in both urban areas and rural townships. These circles are subdivided to show ethnic composition by origins of birth. Details of the census statistics upon which this map was made are given in the table on the next page.

Maps which detail the distribution, density, and change (growth and loss) of population for a selection of census years follow. Population distribution maps at thirty year intervals cover the period 1880 to 1970. Population density maps show the number of people per square mile in the years 1940 and 1970, and population change maps cover the growth and loss of population during the periods 1880-1910, 1910-1940, and 1940-1970.

The next group of maps shows presidential voting patterns in seven major presidential elections during the last 60 years. Each map contains circles for urban areas and for rural townships. Each circle has been drawn proportional to the total vote cast in the political subdivision. The circles are subdivided to show the percentages of votes received by various candidates, with the Republican candidates denoted by a dot pattern and the Democratic candidates by a white area. In all cases, the national presidential winner is shown on the left side of each circle counterclockwise from the top. Bar graphs at the bottom of each map summarize the total vote in the county. The 1908 map represents a period when the county was strongly Republican; by the 1932 map it had changed to Democratic. The parties included in the "others" category in 1932 were Prohibition, Socialist, Social Labor, National and Communist. Other voting pattern maps include 1928, just prior to the depression; 1940, at the eve of World War II; 1952, when the first Republican president since the depression was elected nationally; 1960, when the Democratic Party regained control nationally; 1968, when a third party made a substantial showing.

The last section displays the growth of manufacturing and other major industries in the four major industrial cities of East Chicago, Gary, Hammond, and Whiting. Their industrial growth from early in this century to present day is shown; major industrial plants are located. East Chicago and Whiting are shown for 1915, 1930, and 1968; Hammond for 1915, 1930, and 1970; Gary for 1945 and 1968. The years selected were based upon source data availability. In 1915, the only mappable industry in Gary was Carnegie-Illinois Steel (U.S. Steel), and for this reason the 1915 map was omitted. On these maps, distinctive patterns identify major industrial types (see legends) and the same patterns are used throughout the series. A numbering system on each map labels major industrial plants and these are identified by name in alphabetical order in the legend.

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POPULATION DISTRIBUTION IN 1880

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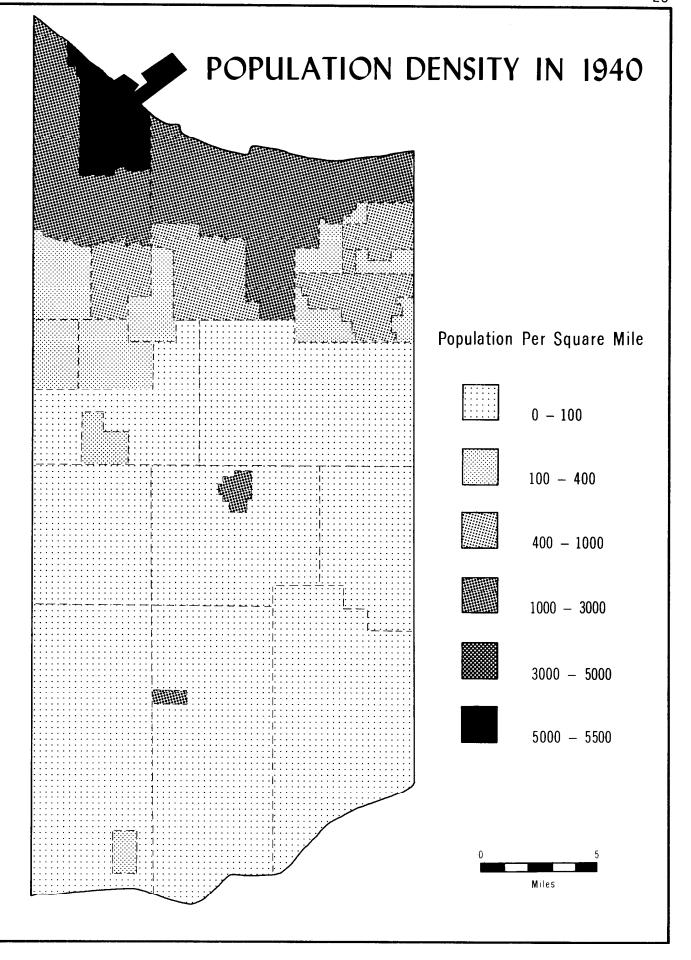
100 People

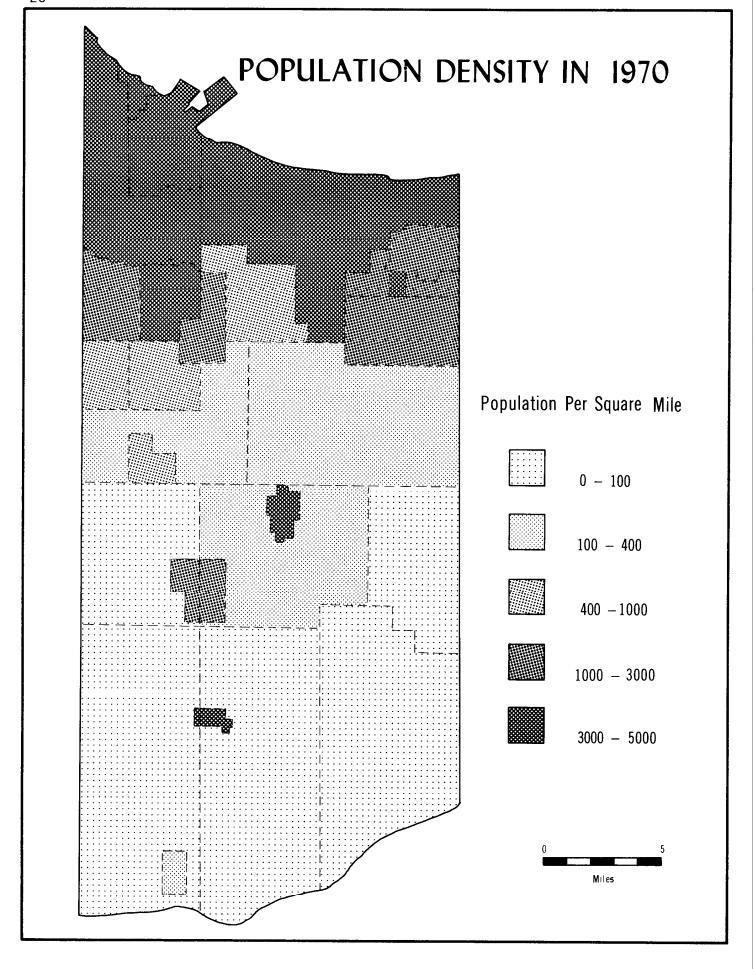


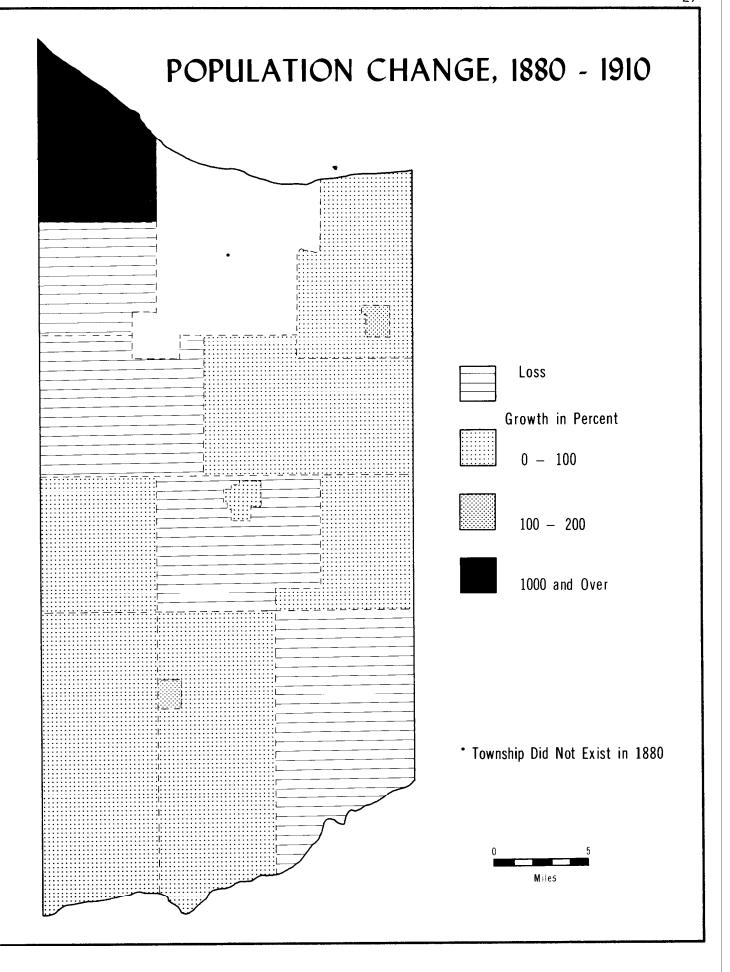
POPULATION DISTRIBUTION IN 1910 One Dot Represents 100 People Miles

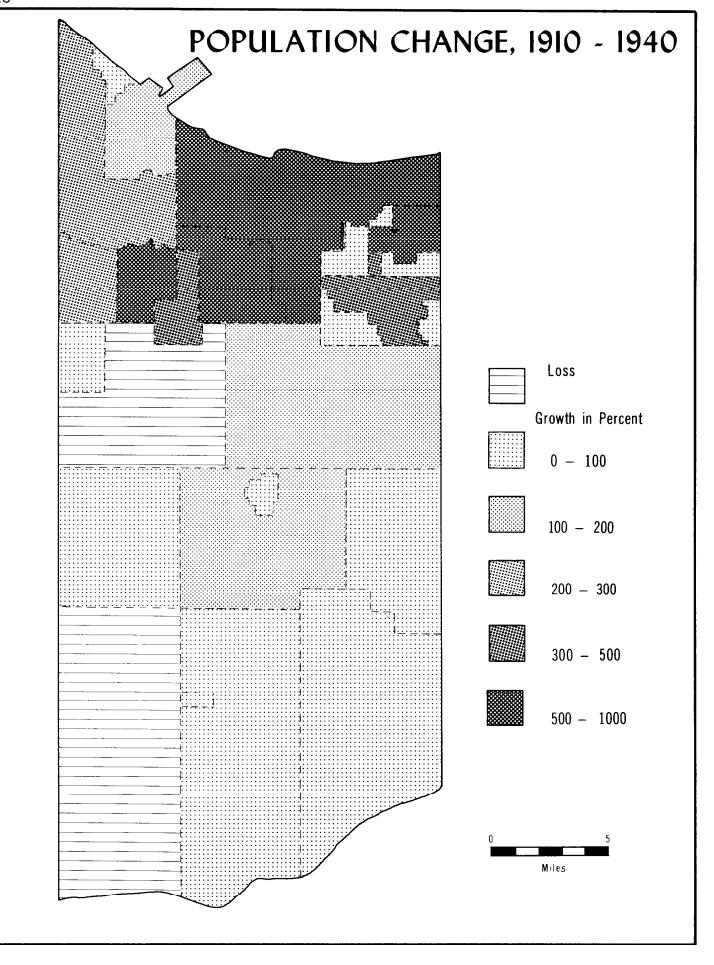
POPULATION DISTRIBUTION IN 1940 One Dot Represents 100 People

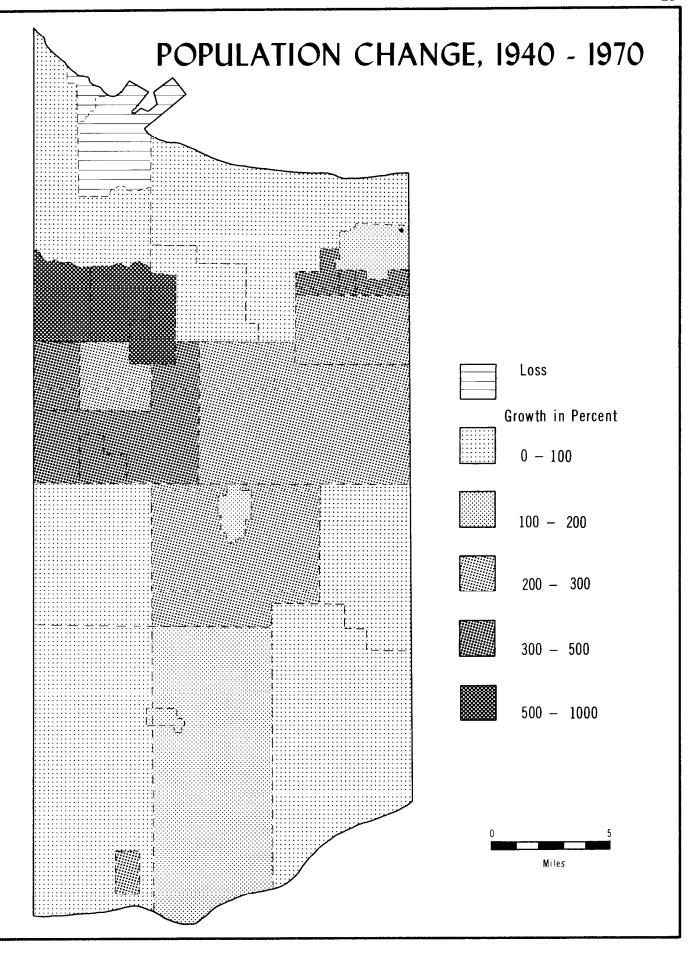
POPULATION DISTRIBUTION IN 1970 One Dot Represents 100 People Miles

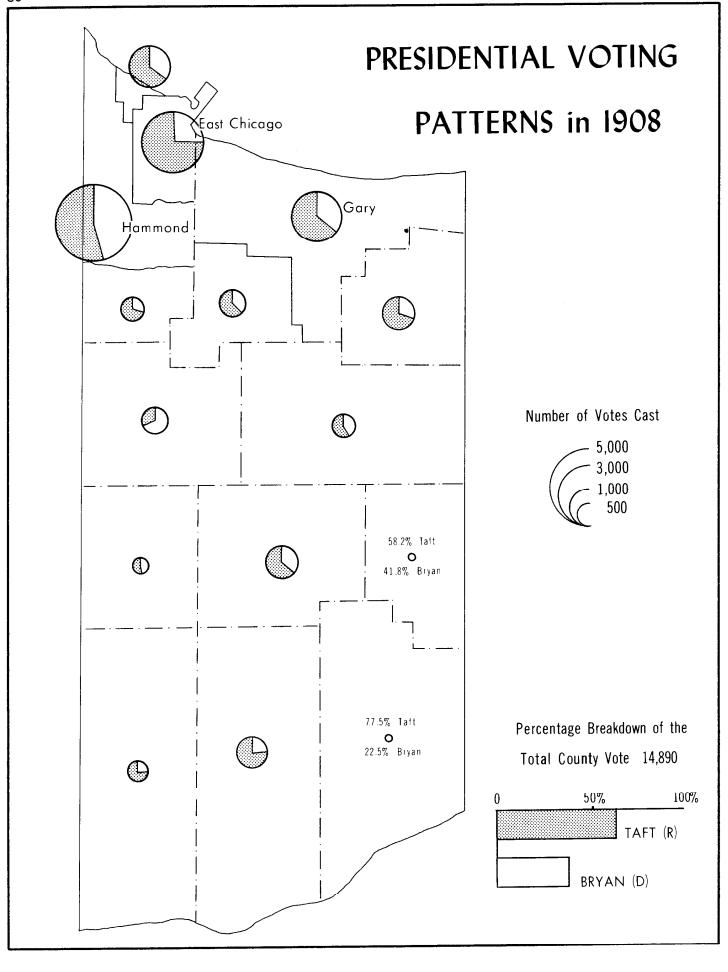


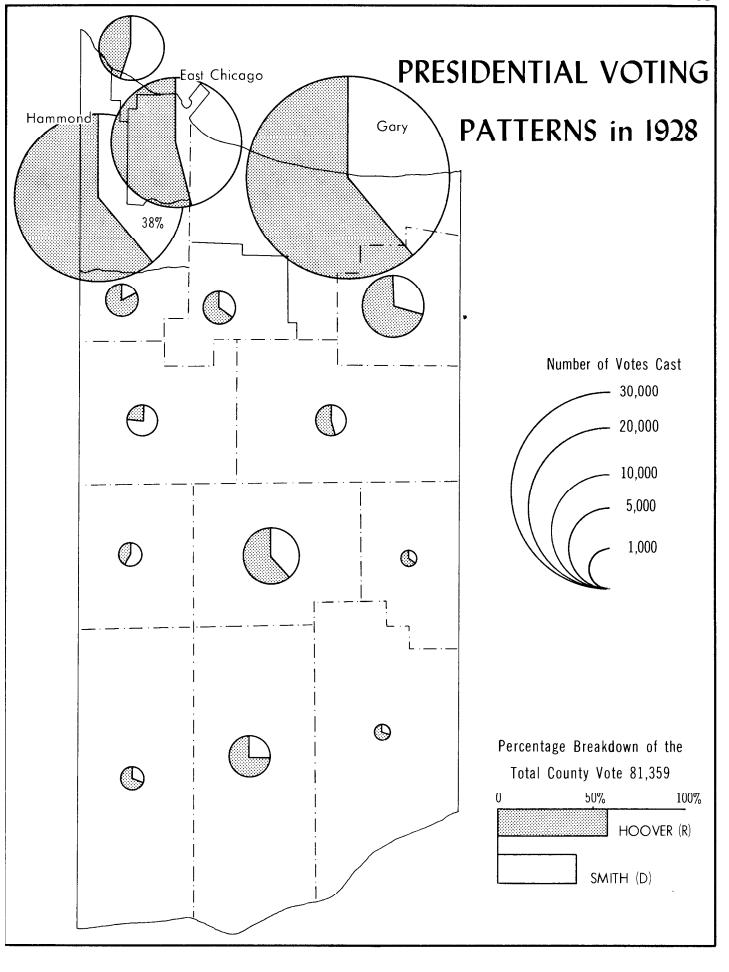


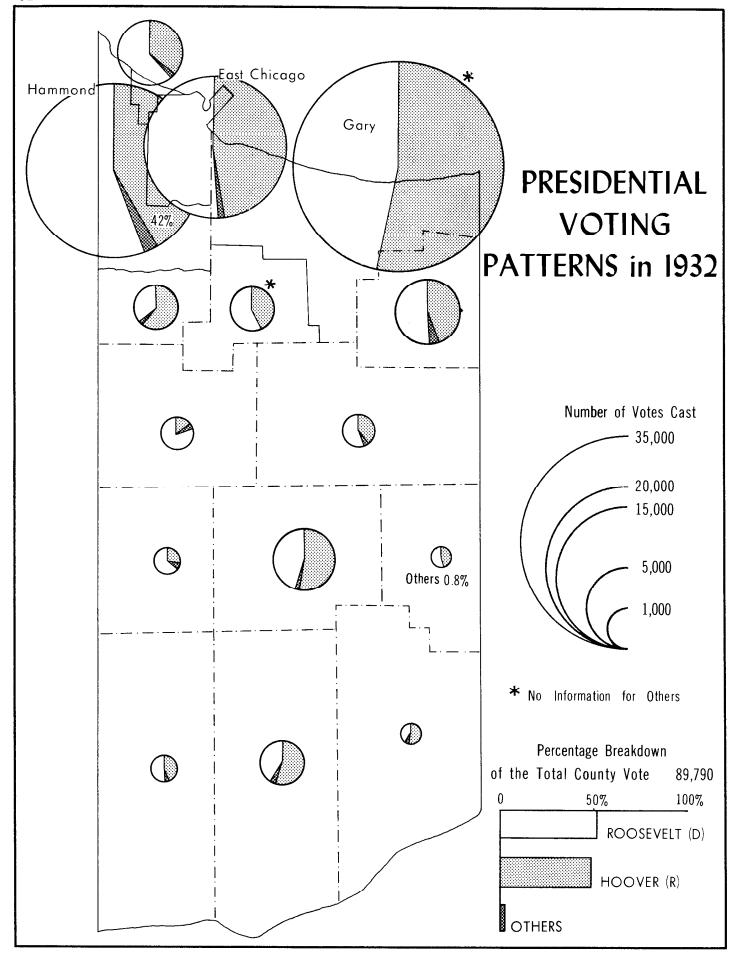


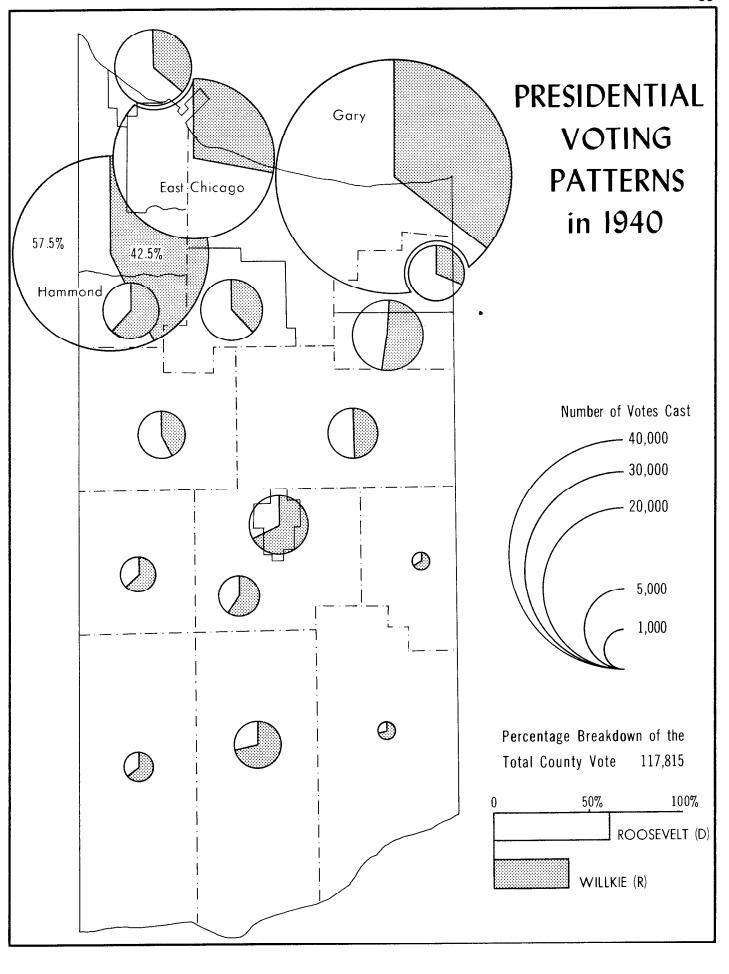


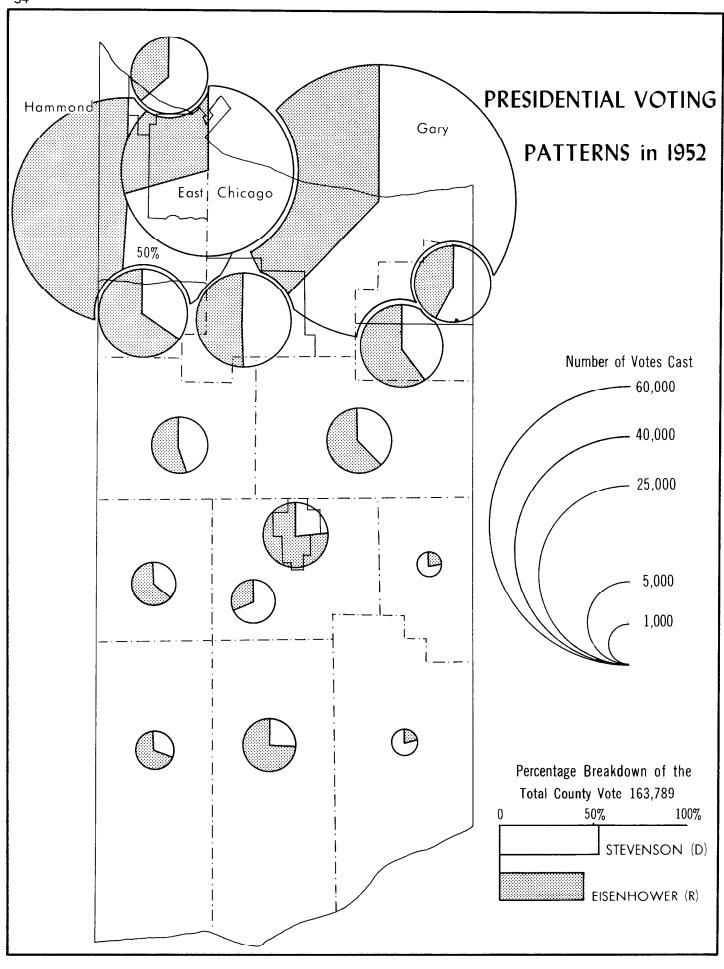


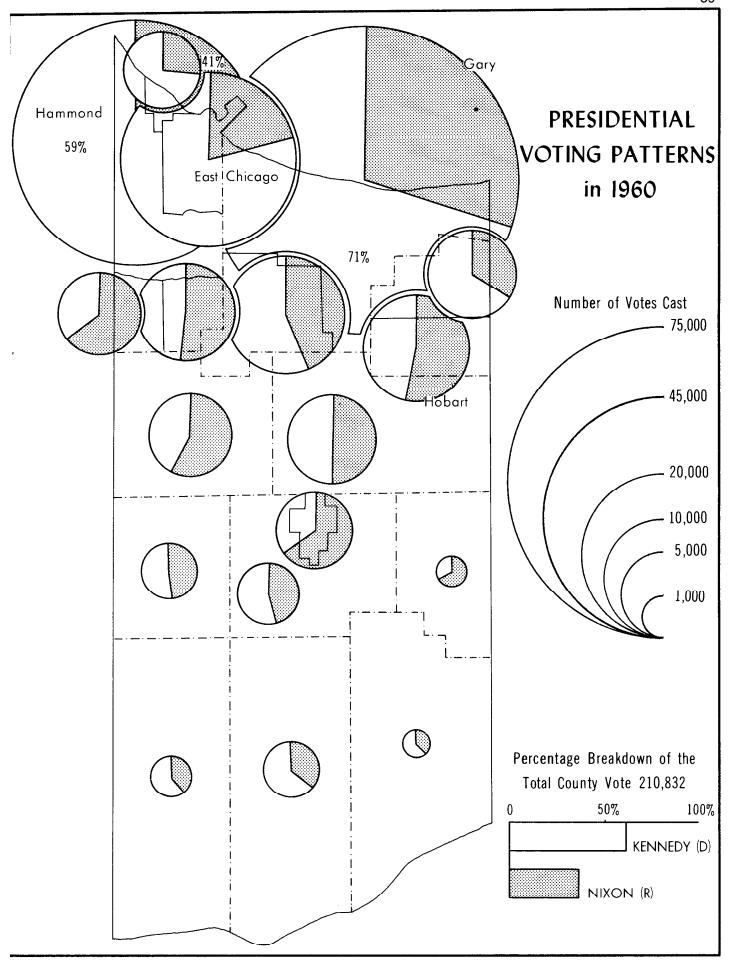


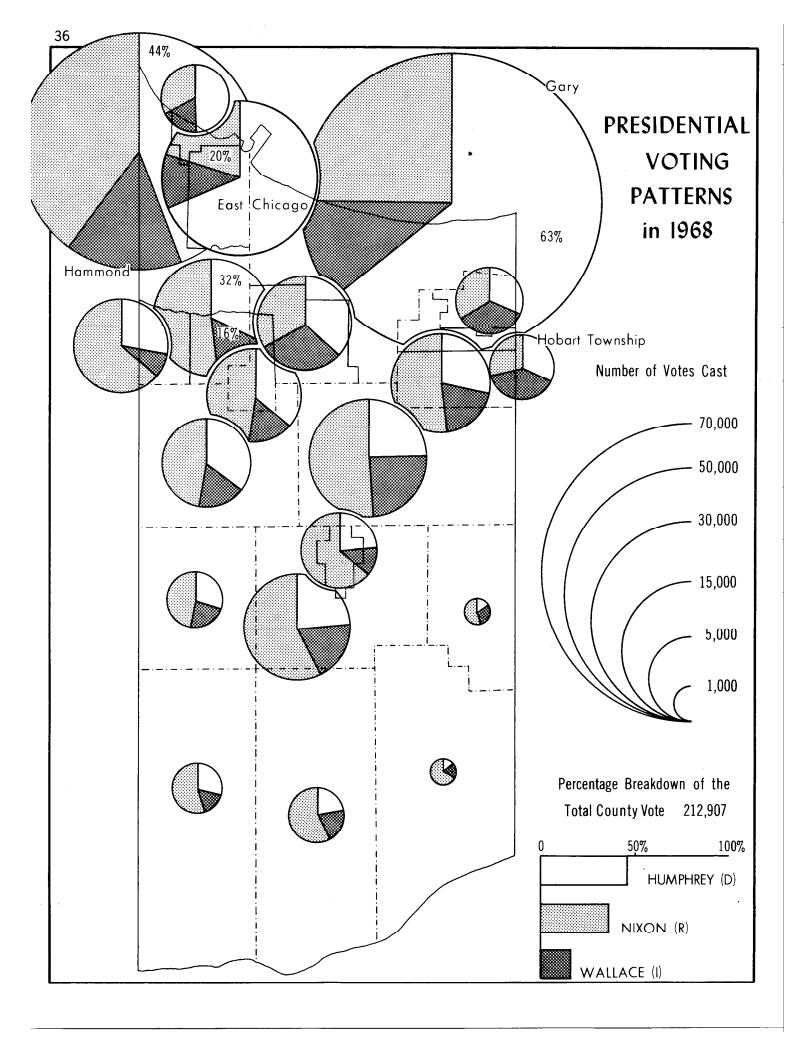


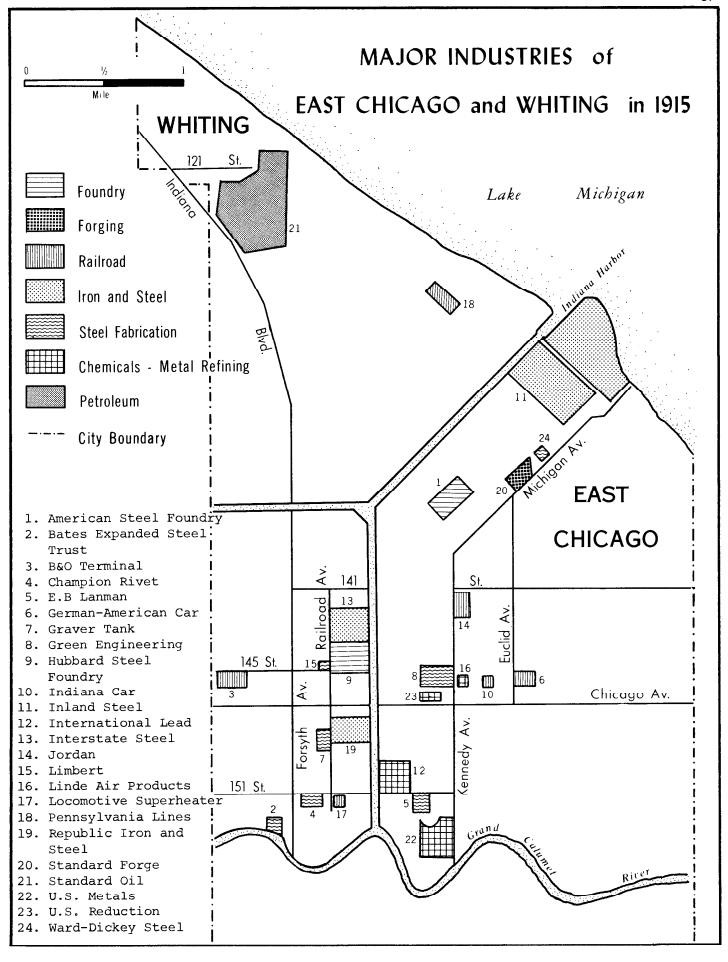




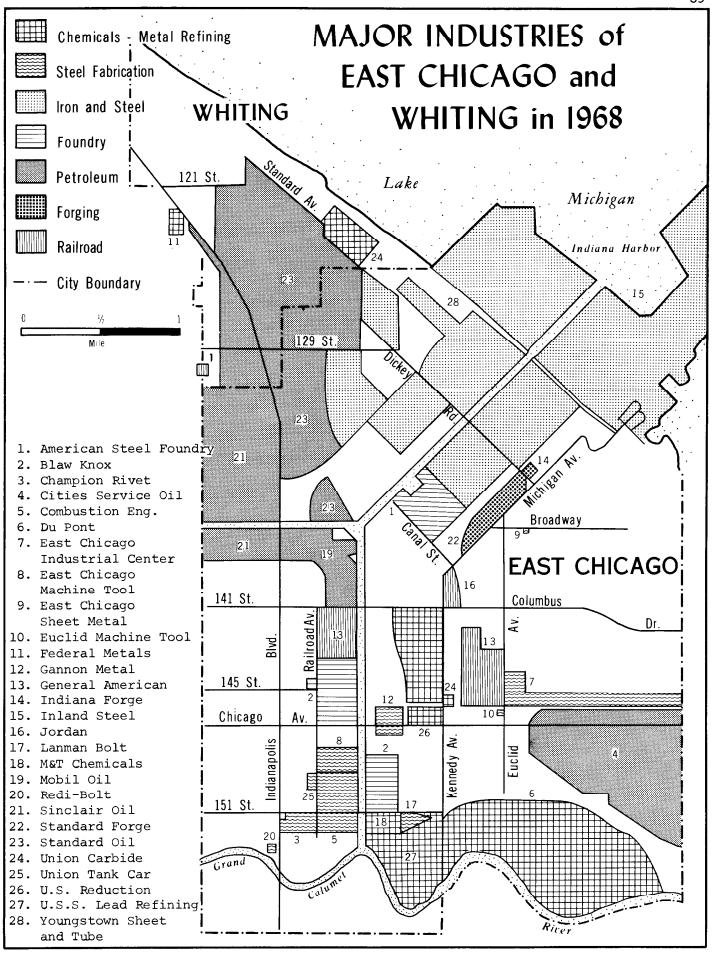


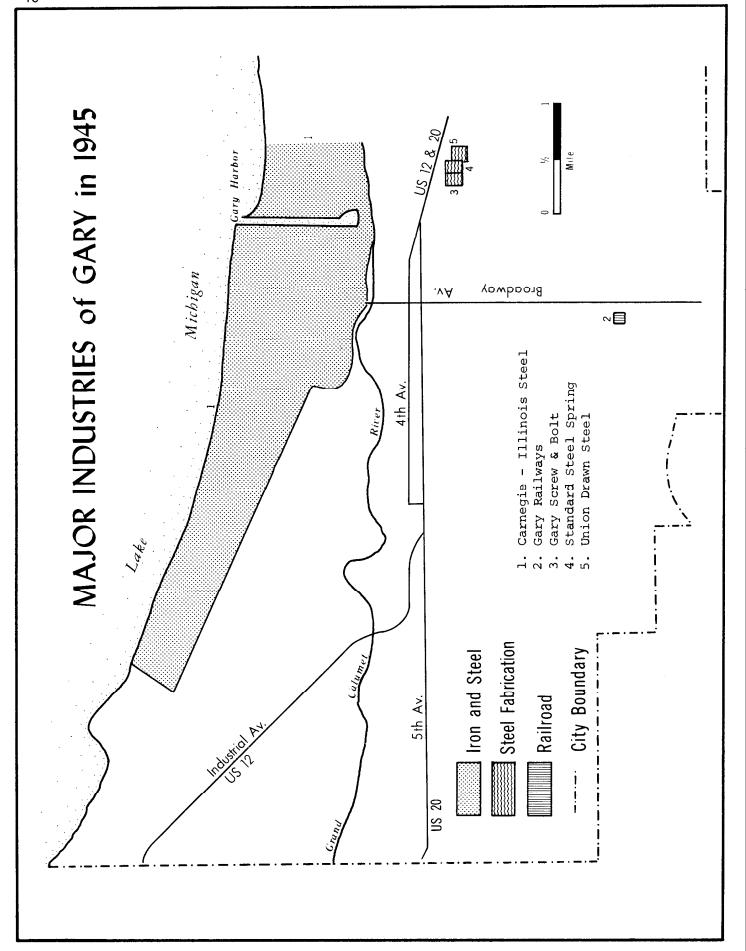


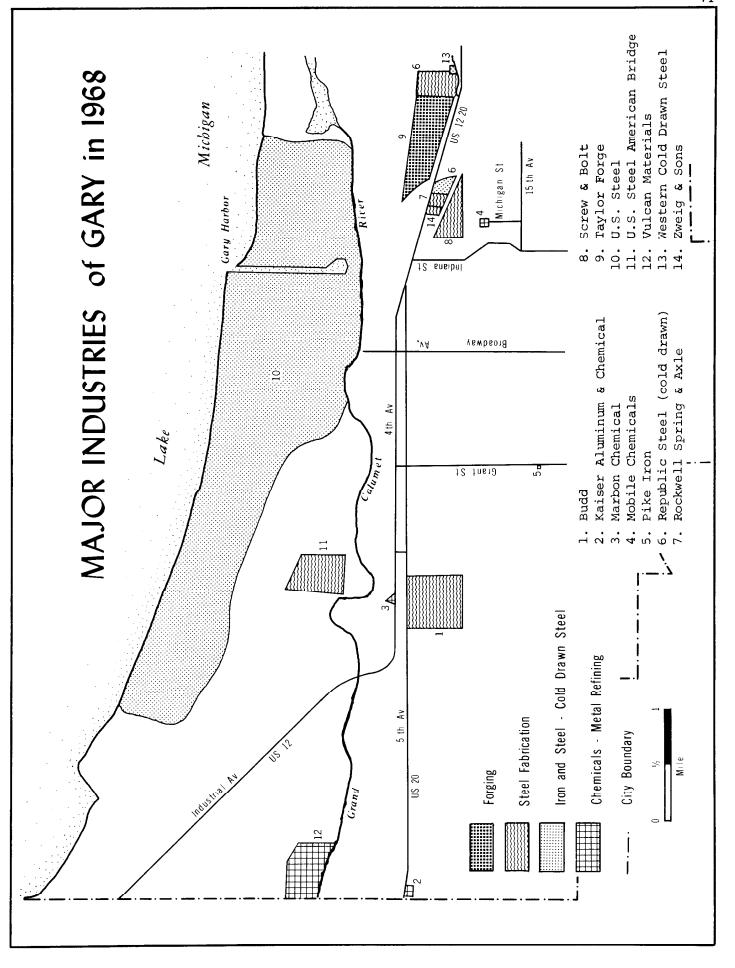


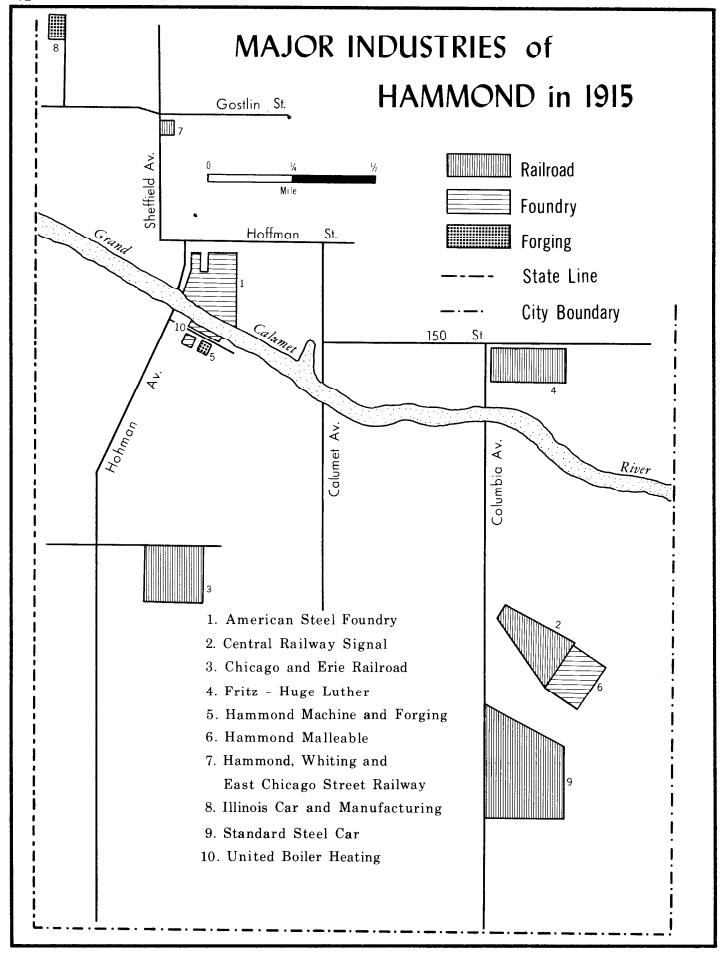




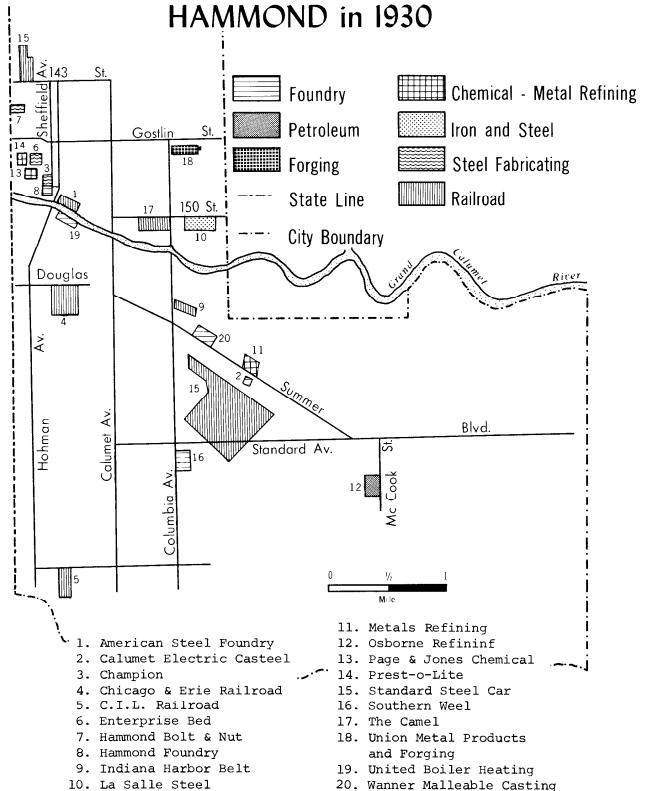


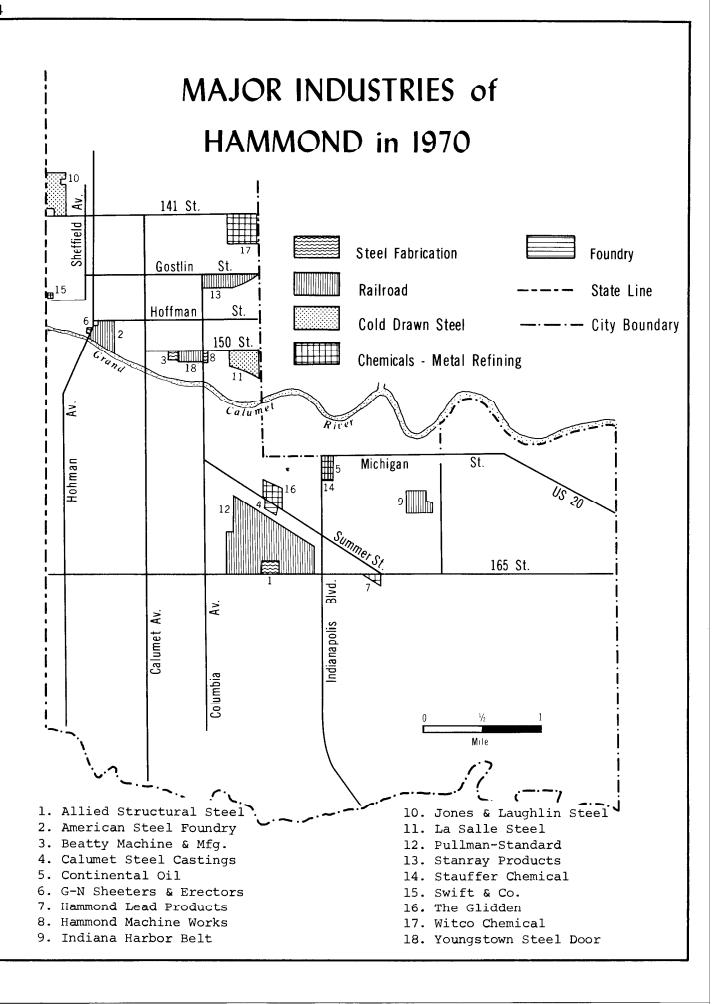






MAJOR INDUSTRIES of HAMMOND in 1930





PHYSICAL FEATURES

The last section of this atlas consists of five physical feature maps—Topography and Drainage, Physiographic Diagram, Surface Geology, General Soil Map, and Bed Rock Geology.

Lake County is divided into three distinct geographical regions: Northern (or Calumet), Moraine (Valparaiso Moraine or Middle), and Kankakee (or Southern). These divisions can be seen on all the maps except the one showing Bed Rock Geology.

The Northern Region owes its surface to the former southward extension of Lake Michigan. Lake Michigan developed three beach areas not including the present-day shoreline. These old beaches are shown on the Topography and Drainage map. The first and farthest from the current shoreline is Glenwood Beach which is located approximately along the present highway U.S. 30. Although this beach is not well defined in the county, distinct sand dunes can be found in the area between Dyer and Shererville. (Water fossils are not found in this beach area because the lake water was too cold.) The lake was then only a narrow crescent-shaped body a few miles wide with the Moraine Region and the giacier bounding it on the south and north, respectively. The estimated age of Glenwood's sandy beaches is 12,000 to 14,000 years.

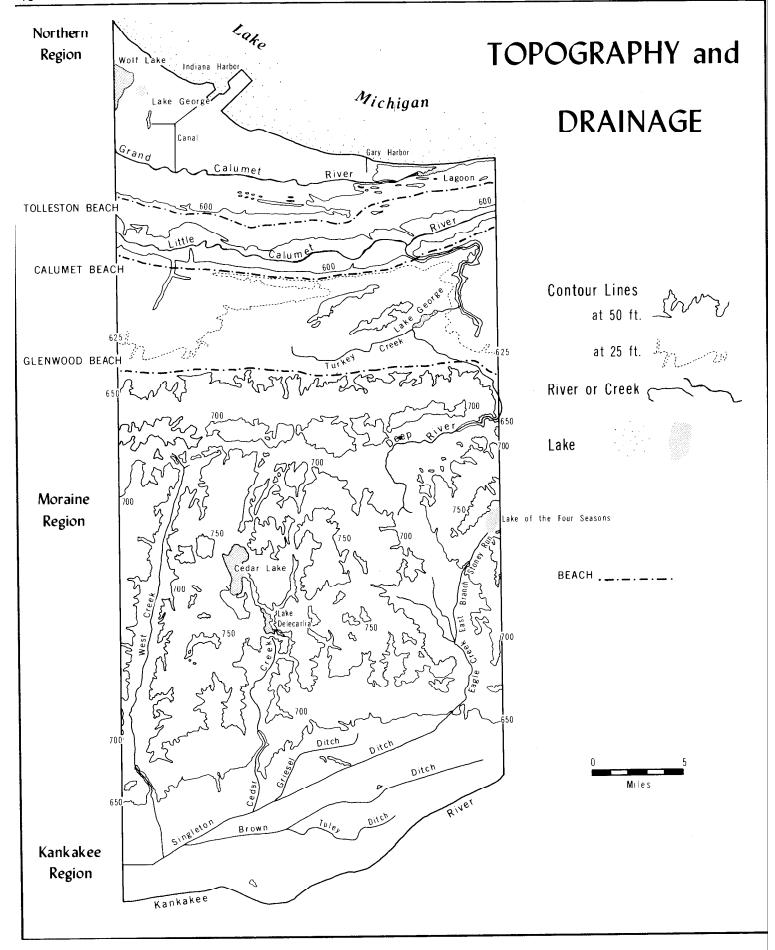
The second beach is Calumet Beach which today can be easily traced along Ridge Road or old highway U.S. 6 from Munster to Glen Park. This beach is about 9,000 to 12,000 years old.

The last is Tolleston Beach found midway between the Little Calumet River and the Grand Calumet River. Large numbers of fossils have been found here: a rich fauna of mussels lived in the lake at this time and bone deposits of birds, mastodons, deer, and mammoths are plentiful. The sand deposits of this beach are about 5,000 to 9,000 years old.

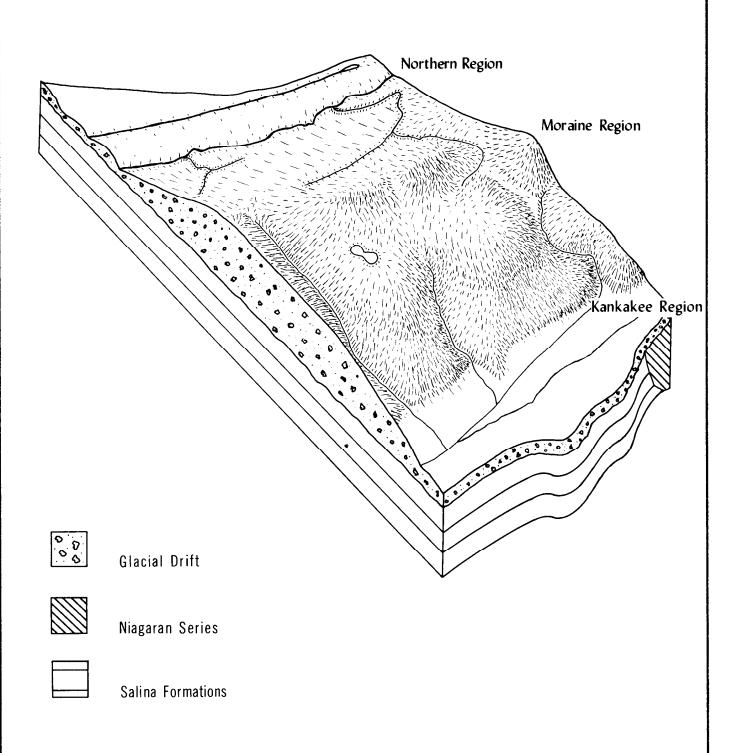
The Northern Region is also seen on the Surface Geology map north of the till area and in areas one through four on the General Soil Map of the county..

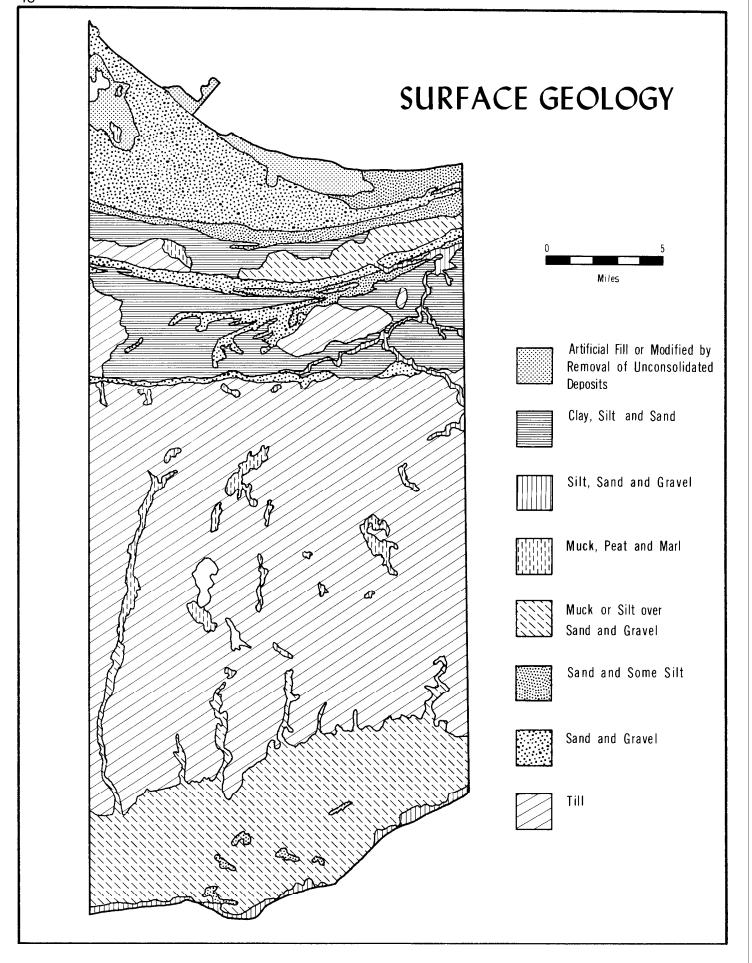
The Moraine Region is the next geographical section. On the Topography and Drainage map, it is located between the northern 650 foot contour line and the southern 650 foot contour line. It is the till area on the Surface Geology map and areas five and six on the General Soil map.

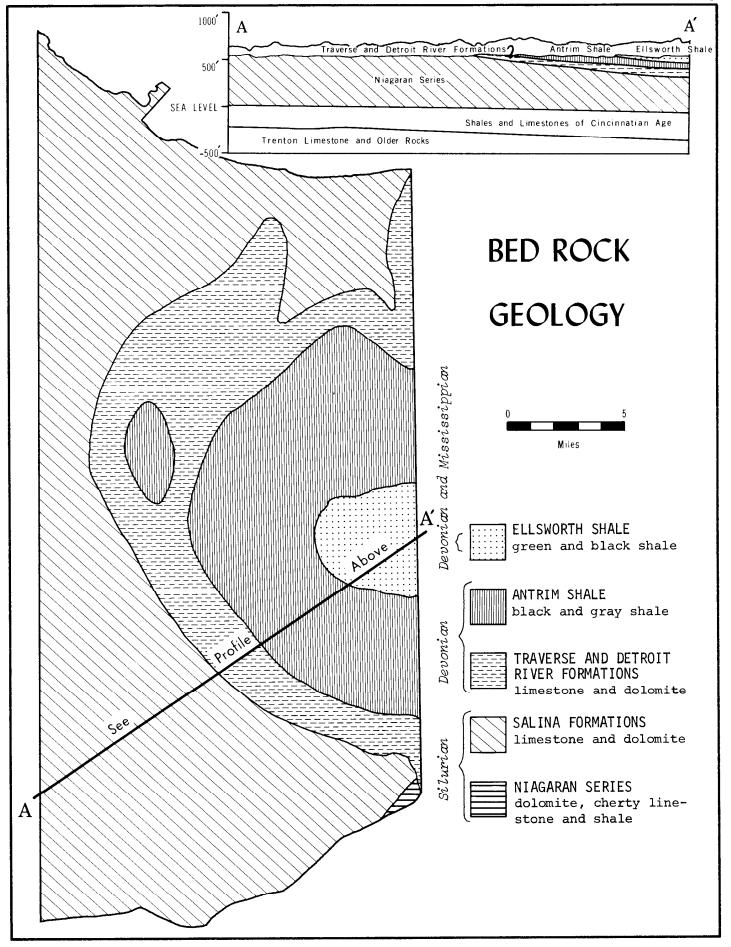
The Kankakee is the southernmost region. It is seen on the Topography and Drainage map south of the southern 650 foot contour line and in the muck section on the Surface Geology map. On the General Soil map, area seven shows this Kankakee Region.

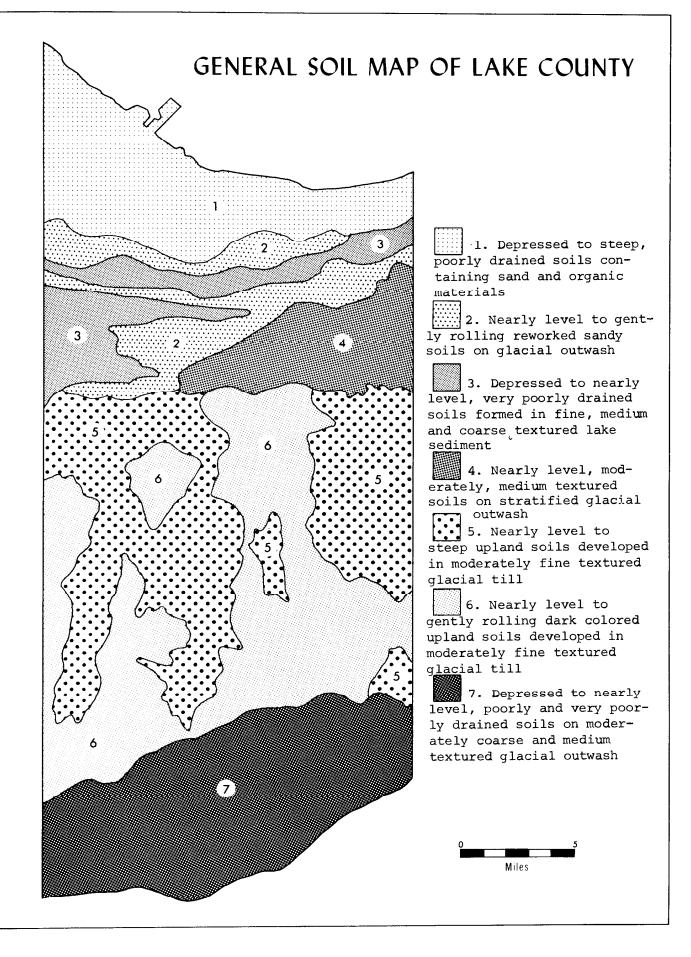


PHYSIOGRAPHIC DIAGRAM









MAJOR MAP AND STATISTICAL DATA SOURCES

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- 9 Alfred II. Meyer, "Settlement Patterns of the Calumet Region," Annals of the Association of American Geographers, Sept. 1954; Environmental Resource Inventory, Lake-Porter County Regional Transportation and Planning Commission, March 1970.
- J. H. Colton, Indiana 1838, New York: Sherman and Smith, 1838.
- 11
- Bashen, Forster and Co., Maps of Indiana in 1876.
 T. H. Ball, Northwestern Indiana from 1800-1900, Crown Point, Indiana, 12 1900.
- 13 Rand McNally and Co., Atlas of Indiana, Chicago, 1908.
- Com Co Map Co., Indiana Atlas 92 Counties, Plainfield, Indiana, 1940. 14
- 15
- 16 County Surveyor and Engineer, Map of Lake County, Indiana, Lake County, 1970.
- 17 Ibid.
- 19-20 National Archives, Microfilm Publications, U.S. Census Bureau Tenth Census, Micro-Copy No. T-9, Reel No. 291.
- 21 United States, 10th Census of the United States, 1880, Vol. 1, Statistics of Population, Washington, D.C.
- United States, 13th Census of the United States, 1910, Vol. 1, Statistics of Population, Washington, D.C.
- United States, 16th Census of the United States, 1940, Vol. 1, Statistics 23 of Population, Washington, D.C.
- 24 United States, 19th Census of the United States, 1970, Vol. 1, Statistics of Population, Washington, D.C.
- 25 Same as page 23.
- 26 Same as page 24.
- 27 Same as pages 21 and 22.
- 28 Same as pages 22 and 23.
- 29 Same as pages 23 and 24.
- Hammond Times, November 9, 1908. 30
- 31 Hammond Times, November 8, 1928.
- 32 Gary Post Tribune, November 11, 1932.
- 33 Hammond Times, November 6, 1940.
- Hammond Times, November 5 and 7, 1952. 34
- Hammond Times, November 9, 1960. 35
- 36 Hammond Times, November 7, 1968.
- 37 Sanborn Map Co., Insurance Map of Hammond, Indiana including Whiting, East Chicago, and Indiana Harbor, New York, 1915.
- 38 Sanborn Map Co., Insurance Map of East Chicago, Indiana, New York, 1930.
- 39 The East Chicago Chamber of Commerce, Industrial Directory, 1968.
- 40 Sanborn Map Co., Insurance Map of Gary, Indiana, Vol. I & II, New York, 1945.
- 41 Greater Gary Chamber of Commerce, Greater Gary Industrial Directory, 1968.
- 42 Sanborn Map Co., Insurance Maps of Hammond including Whiting, East Chicago, and Indiana Harbor, New York, 1915.
- 43 Sanborn Map Co., Insurance Maps of Hammond, Indiana, Vol. I & II, New York, 1930.
- 44 Hammond Chamber of Commerce, Hammond Directory of Manufacturers, 1970.

Page

- Blatchley, W. S., The Geology of Lake and Porter Counties, Geological Survey of Indiana, 1897; U.S.G.S. 7 1/2 minutes quadrangles, 1:24,000, covering the county.
- Indiana Geological Survey, Regional Geologic Map No. 4, Chicago Sheet Part B, 1970.
- 49 Indiana Geological Survey, Regional Geologic Map No. 4, Chicago Sheet Part A, 1970.
- 50 U.S. Department of Agriculture Soil Conservation Service, General Soil Map of Lake County, Indiana.