1939 HISTORICAL AERIAL PHOTOGRAPHY OF ANTIOCH QUADRANGLE
LAKE COUNTY, ILLINOIS AND KENOSHA COUNTY, WISCONSIN

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Sources of Data How This Map Was Made

On May 27, 1939, a camera operator captured an image of the Antioch Quadrangle using Department of Agriculture (USDA) 5x5 inch Orthophotography. This aerial photography was stored in the Illinois State Geological Survey's holdings until March 7, 2005, when it was released to the public domain. The photograph was taken by the USDA-AAA, which originally administered these aerial photography missions. USDA-AAA aerial photography is the best remaining documentation of this historical aerial photography. Since 1939, the area depicted on this map has undergone rapid development in the 1950s. Lindenhurst, incorporated in 1956, became one of these centers for suburban growth and today has a population of over 12,500. Six decades ago, the area of Lake County, Illinois, the USDA-AAA aerial photography was acquired during July and August 1939. The different aerial view of the area was released by the National Archives in the 1980s, and photographic paper prints are the best remaining documentation of this historical aerial photography. Because of the resolution of the photographic media, the data is compiled into an image cube (as it appeared on July 20, 1939). It has been enlarged 1.7 times as compared to the adjoining state geological quadrangle for the same area acquired on March 27, 1999. In 1939, this area was predominantly rural and small towns, with little development. The change in the distribution of wetlands and their spatial relationship from 1939 to present-day Lake Linden appeared as a shallow marsh or wet meadow environment. In 1939, the entire area was devoted to agricultural land use. Sixty-five years later, these rural lands have now been almost completely converted to urban land. In 1939, the image of the quadrangle was not meant to be enlarged. The Illinois State Geological Survey, the Illinois Department of Natural Resources, and the IPGM series maps are noted landmarks.

Utility of This Map

This aerial photography, along with the resolution of the original negative, shows the state's topography, vegetation, urbanization, and land use. It provides an excellent tool for the study of landform changes, development, and natural resources. The map is not meant to be enlarged. Maps or cross sections in this document are metrically corrected, it provides an excellent base upon which more recent changes, such as urbanization. The change in the distribution of wetlands and their spatial relationship from 1939 to present-day Lake Linden appeared as a shallow marsh or wet meadow environment. In 1939, the entire area was devoted to agricultural land use. Sixty-five years later, these rural lands have now been almost completely converted to urban land. In 1939, the image of the quadrangle was not meant to be enlarged. The Illinois State Geological Survey, the Illinois Department of Natural Resources, and the IPGM series maps are noted landmarks. This digital orthophotography, and remapped base map have been submitted into the Illinois State Geological Survey, Illinois Preliminary Geologic Map Series, IPGM Antioch-AP.


Recommended citation:

For more information contact:

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North American Datum of 1983 (NAD 83)
Universal Transverse Mercator grid system, zone 16
Projection: Transverse Mercator
1,000-meter ticks