

INVENTORY OF
WISCONSIN LAND RESOURCES
DATA USERS MANUAL

1975

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INVENTORY OF WISCONSIN LAND RESOURCES DATA

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USERS MANUAL

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November, 1975

**State of Wisconsin
Patrick J. Lucey, Governor**

DOA-SPO-75-11(1)

Address and Phone Number Changes (1976)

<u>Address, phone number change</u>	<u>Number of Inventory Items Affected</u>			
The Department of Natural Resources has a new post office box number and zip code. The current address is: Department of Natural Resources Box 7921 Madison, Wisconsin 53707	1.4.9 2.1.4 2.2.9 2.2.10 2.2.16 2.2.18 2.2.19 2.2.20 2.3.6 2.3.7	2.3.10 2.4.5 2.4.6 2.4.7 3.1.1 3.1.2 3.1.7 3.1.8 3.2.1 3.2.2	3.2.3 3.3.1 5.2.1 5.2.2 6.1.15 6.1.17 6.1.18 6.1.19 6.2.3 6.2.4	6.2.5 6.5.1 6.5.2 6.5.3 6.5.4 6.5.5 6.5.6 6.6.2 6.6.4 6.6.5
The Map Sales Office of the Wisconsin Geological and Natural History Survey has a new phone number for purchasing maps: 262-0586	1.1.7 1.2.2 1.2.3 1.4.7	2.2.8 2.4.4 4.1.6 4.1.7	4.2.9 6.3.1 6.4.1	
The Division of Tourism has moved from the Department of Natural Resources to the Department of Business Development. The current address is: Division of Tourism Department of Business Development 123 W. Washington Ave. Madison, Wisconsin 53702	2.2.5	2.2.6		
The Topographic Division of the United States Geological Survey has a new address. The current address is: Topographic Division - USGS 1400 Independence Lane Rolla, Missouri 65401	1.1.7	1.2.2		
The Southwestern Wisconsin Regional Planning Commission has a new phone number: (608) 342-1214	Page 69	3.1.3	3.2.4	
The EROS Data Center area code is 605. The complete phone number is: (605) 594-6511	1.4.4			

Address, phone number change

Number of Inventory Items Affected

The State Board of Commissioners
of Public Land has a new address
and phone number. These are:

State Board of Commissioners
of Public Land
505 N. Segoe Road
Madison, Wisconsin 53703
(608) 266-1370

1.1.2 2.4.14

The Document Sales Office of the
Department of Transportation has
a new post office box number and
zip code. The current address is:

Document Sales
Department of Transportation
P.O. Box 7426
Madison, Wisconsin 53707

1.1.8 2.2.22

ADVISORY AND REVIEW COMMITTEE

Harlan Clinkenbeard, Southeastern Wisconsin Regional Planning Commission; Steven Dunn, Wisconsin Department of Natural Resources; Robert Fisher, Bay Lake Regional Planning Commission; William Frerichs, Wisconsin Department of Revenue; John Heugel, Brown County Planning Commission; William Lane, Dane County Regional Planning Commission; Bernard Niemann, University of Wisconsin; Meredith Ostrom, Wisconsin Geological and Natural History Survey; William Tishler, University of Wisconsin; Douglas Yanggen, University of Wisconsin—Extension; Art Ziegler, University of Wisconsin—State Cartographer.

CONTRIBUTING AGENCIES

Bay Lake Regional Planning Commission
Brown County Planning Commission
Dane County Regional Planning Commission
East Central Wisconsin Regional Planning Commission
Federal Power Commission
Great Lakes Basin Commission
Milwaukee Public Museum
Mississippi River Regional Planning Commission
National Aeronautics and Space Administration
North Central Wisconsin Regional Planning Commission
Northland College
Northwest Regional Planning Commission
Southeastern Wisconsin Regional Planning Commission
Southwestern Wisconsin Regional Planning Commission
State Historical Society of Wisconsin
United States Department of Agriculture
United States Department of Commerce

United States Department of Defense
United States Department of Housing and Urban Development
United States Department of the Interior
United States Department of Transportation
University of Wisconsin System
Upper Mississippi River Basin Commission
West Central Wisconsin Regional Planning Commission
Wisconsin Board of Commissioners of Public Lands
Wisconsin Department of Administration
Wisconsin Department of Health and Social Services
Wisconsin Department of Local Affairs and Development
Wisconsin Department of Natural Resources
Wisconsin Department of Revenue
Wisconsin Department of Transportation
Wisconsin Geological and Natural History Survey
Wisconsin Public Service Commission
Wisconsin State Cartographer

FOREWORD

The Inventory of Wisconsin Land Resources Data is designed to help anyone who wants to locate existing land resource data in Wisconsin. Entries describe data covering general, human, biological, earth, air, and water related resources. Most of the data are in the form of maps or are spatially referenced so they can be mapped. If you know that certain information has been compiled, the inventory identifies where it is available. If you want facts on a particular subject or for a particular area, the inventory identifies what is available. If you want to know whether data will fill your needs, the inventory describes the data. If you need to know more about the data, a contact for further information is provided.

This document is an initial product aimed at improving the ability of public and private decision-makers at local, regional and state levels to acquire and use existing land resource data. The need for it is based on two general assumptions:

- 1) Land resource data is an important and useful tool for better resource management. Data relating to subjects such as topography, soils, land and water use, wildlife, and vegetation improves decision-making capability in both the public and private sectors and helps to direct development to areas best suited for it.
- 2) If resource data are to be useful, they need to be accessible to all potential users. Even more basically, potential users must be aware of the data's existence. It has seldom been easy for builders, developers, government officials and others to find out what is known about specific areas being considered for major public and private works. If public and private decision-makers have ready access to relevant resource data, they will be better able to promote sound development in the state.

This inventory can only be the first step in developing an effective data delivery process. A one time publication will rapidly become dated. Additionally, there is a limit to the number of sources which can be conveniently presented. A number of questions therefore remain: How can the inventory be efficiently updated? Should the inventory be expanded to include more localized data? Is there a need to expand the inventory to include economic and social data? How can information from a more comprehensive continuing inventory be made available to users most conveniently?

We are seeking answers to these questions. We welcome your comments. In addition, we would like to know how useful you find this inventory. Send us your suggestions for improving it. If you know of data which we should have included, please complete a blank inventory sheet included at the end of the users manual. A document of this type is only as valuable as the user makes it.

USERS MANUAL

**HOW TO USE THE INVENTORY
INVENTORY PROCESS
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AGENCY INDEX

GLOSSARY

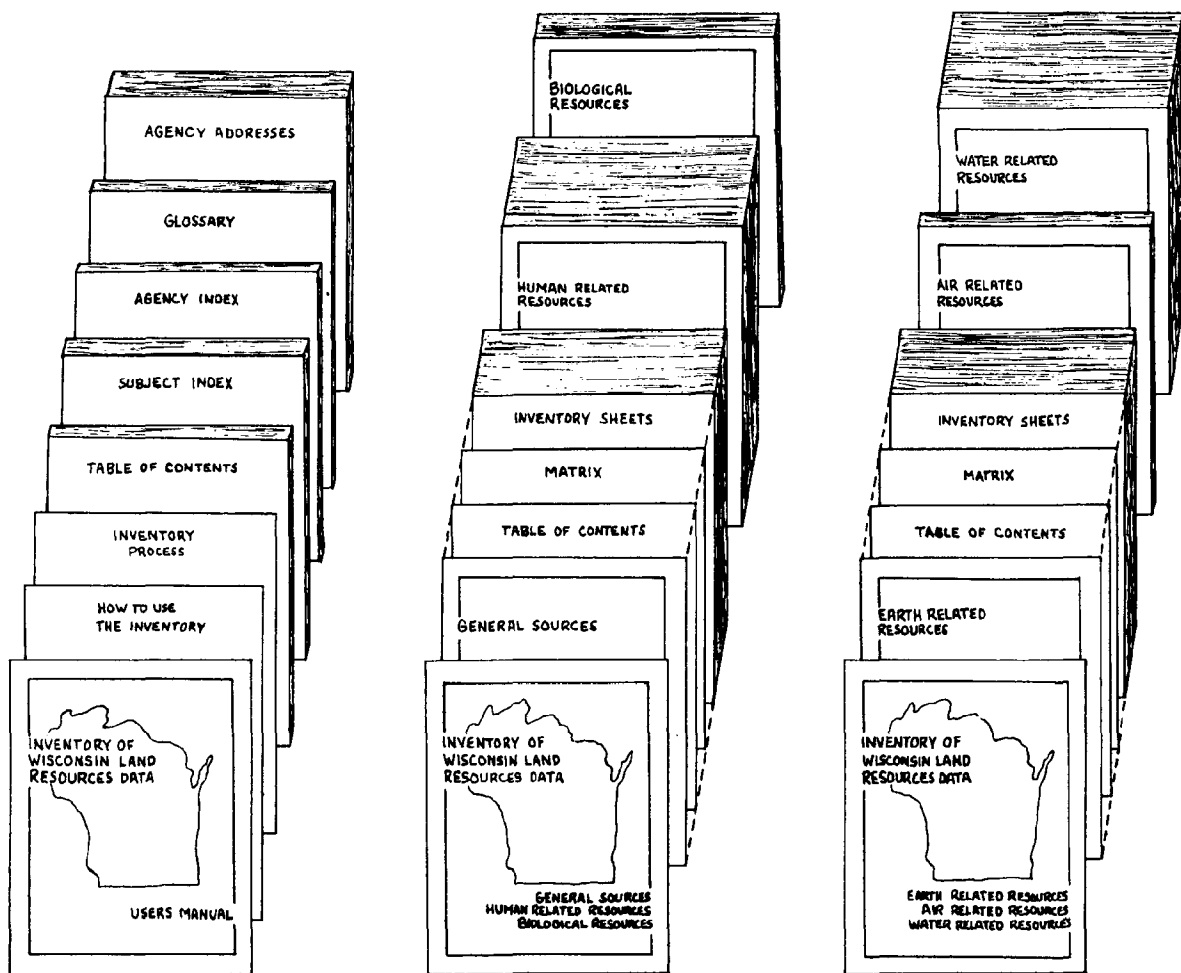
AGENCY ADDRESSES

USERS MANUAL

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HOW TO USE THE INVENTORY



HOW TO USE THE INVENTORY

If you want to find:

Data on a particular subject:

Use the *Subject Index*. It lists the *Item Number* for appropriate *Inventory Sheets*. OR refer to the *Table of Contents* and go directly to the section of the inventory which covers that subject.

Data which you know or believe exists:

Use the *Table of Contents* or *Subject Index* to find the appropriate entry. The *Inventory Sheet* will describe the data and what office to contact for the data or for more information.

Data suitable for your needs:

Read the appropriate *Inventory Sheet*. It describes many characteristics of the data. Format, date of collection, level of detail, and much other descriptive information is provided. A contact for further information is included for each data listing.

Original source of the data:

See the appropriate *Inventory Sheet*. It identifies the original source of the data and who to contact for more information. OR use the *Agency Index*. It identifies data for which an agency is a principal source.

Where to get data:

Each *Inventory Sheet* identifies the office to see, write, or call to obtain data or more information. In some cases there may be a charge for copies of the data.

Data for a particular area or coverage of particular data:

Consult the *Matrix* at the beginning of the appropriate subject section. It shows whether or not a county is totally covered by the data, only partially covered or not covered. OR see the appropriate *Inventory Sheets*. They list counties covered. In addition maps may follow many *Inventory Sheets*. They illustrate the extent of coverage.

More information on a particular subject:

Consult the *Information Services and Bibliographies* entries at the end of the appropriate subject section. They identify data collections and libraries as well as bibliographies covering specific studies and reports.

Definition of terms, abbreviations, or map scales:

Consult the *Glossary*. Technical terms on *Inventory Sheets* are usually defined. All agency abbreviations used in the inventory are listed with full agency names. And all scale conversions (ie. between ratios and linear measures) are listed.

SAMPLE INVENTORY SHEET

-with explanation of terms in italics

item number

item name

item number

Subsection: *specific subject area*

Section: *general subject area*

Data type: *published or unpublished, mapped or tabular, photography, library, specimens*

Date of Collection: *year(s) of data collection*

Date of Publication: *year(s) of publication, current files, forthcoming publication*

Detail: *map scales, aerial photograph scales, number of parameters collected, types of parameters collected, spatial resolution of the data*

Aggregation: *geographic coverage, geographic or political unit for data organization, data format, type of data storage or file system*

Quality: *spatial accuracy, reliability of data collection and/or analysis techniques, reliability of source material, relative quality of data compared to similar data*

Timeliness: *up to date or out of date, ongoing data collection, relative timeliness of data compared to similar data, lag time between data collection and availability*

Sources: *agencies or persons responsible for data collection and/or analysis*

Textual Description: *supplemental information on the above descriptions, description of and purpose of data collection/analysis program, title of reports containing data, data availability*

Contact for Purchase:

name and address of agency to contact if reports or studies are available for purchase

Contact for Information:

name and address of agency to contact for further information about data, for viewing data, or for acquisition of data when not available for purchase

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washington
Winnebago
Wood

counties which are covered by the data are listed here

Inventory Organization

The organization of this inventory allows easy access to descriptions of specific land resource data. The first volume, the Users Manual, contains many access and reference aids for locating information in the inventory. The second volume contains inventory sheets covering data items on the following subjects: General Sources, Human Related Resources, and Biological Resources. The third volume contains inventory sheets covering three more subjects: Earth Related Resources, Air Related Resources, and Water Related Resources.

The Users Manual begins with a brief discussion on How to Use the Inventory. The Sample Inventory Sheet explains the terms used in conjunction with each of the twelve data descriptors (Detail, Timeliness, etc.) found on the inventory sheets.

The next part of the Users Manual describes the Inventory Process. The four major work elements--design, preliminary test and redesign, data survey, and compilation and review--are documented in this section.

The Table of Contents identifies the data items and item numbers for all six sections of the inventory. Each of the sections contains one or more subsections; similarly, each subsection contains one or more items. Thus, the item numbers are composed of three parts, identifying the section, subsection and individual data item, respectively. The complete Table of Contents is listed in the Users Manual. At the beginning of each section in the second and third volumes the appropriate part of the Table of Contents is repeated.

The Subject Index is composed of key words referencing appropriate items in the inventory. The purpose of this index is to confirm that data on a particular subject is (or is not) covered in the inventory and to guide the user to appropriate inventory sheets. Most items in the inventory are cross-listed under more than one key word.

The Agency Index identifies agencies which are principal sources of data described in the inventory. Agency names are followed by the appropriate item numbers. Although the Agency Index identifies the entire agency as the source of data, the inventory sheets usually specify the division, bureau or section within each agency as a contact for additional information.

The Glossary is composed of three sections: definitions of special terms, agency abbreviations, and conversions between map scales. The glossary of terms includes over one hundred technical terms or phrases. The list of agency abbreviations identifies the full name of agencies abbreviated on inventory sheets. And the scale conversion chart specifies the exact conversions between ratios and commonly used map scales.

Agency Addresses are provided for users who may wish to contact the source agency for additional data or for clarification of particular data described in the inventory. Addresses are supplied for the regional and local offices of federal and state agencies, and for the main offices of regional and county agencies. Reference maps showing district and region boundaries and office locations are provided for most of the state, regional and county agencies.

Several blank inventory sheets are inserted at the end of the Users Manual. The user may use these sheets to personalize the inventory by expanding or revising certain sections. For example, users who are interested in a particular county or region can add descriptions of other data items covering smaller geographic areas. These inventory sheets can also be used to describe data not included in the initial inventory or to revise inventory sheets as they become dated. The authors would appreciate receiving copies of any new or revised sheets that users may create.

The second and third volumes of the inventory contain the six sections on General, Human, Biological, Earth, Air and Water Related Resources. Each section is preceded by a Table of Contents and a Matrix showing the counties covered by each data item within the section. The Matrix also indicates whether the county coverage is "complete" or "partial".

The order of data items in each section is based on three criteria-- statewide coverage followed by substate coverage, familiar data sources followed by less familiar ones, and generally accessible data followed by less accessible data. Many of the inventory sheets are followed by reference maps illustrating the coverage of the data item throughout the state; data items covering the entire state are usually not mapped. Reference tables which list specific data sources, maps or other information may also follow individual items in the inventory.

The organization of this inventory should enable users to gain access to a variety of land resource data. The Users Manual should guide users with specific data needs directly to the material they are seeking. Others will find it worthwhile to study the indexes, glossaries or the individual inventory sections in a sequential and more comprehensive fashion.

INVENTORY SECTIONS AND SUBSECTIONS



USERS MANUAL

How to Use the
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Inventory Process

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INVENTORY PROCESS

Inventory Process

The inventory was prepared by the State Planning Office with extensive cooperation from many federal, state and local agencies whose data were analyzed and documented. An interagency committee composed of representatives from county, regional and state agencies was established to provide advice, liaison and review during the inventory process. The persons directly involved in preparing the inventory were experienced in natural resource, state and regional planning functions and had already established working relationships with many primary data collectors and users.

Four major work elements were involved in the development of the inventory: (1) design of the inventory process, (2) preliminary test and redesign of the process, (3) full data survey, and (4) compilation and review of the final inventory documents.

In designing the inventory process, preliminary lists of the data categories to be included were made. Standards were established for entering information describing the data sources--considering such parameters as level of detail, level of aggregation, quality, timeliness, and availability of the data. Alternative formats for a usable data inventory were evaluated, with consideration given to such items as subject organization, format of inventory sheets, use of reference maps, and indexing systems.

The interagency review committee met twice in the early stages of the inventory process, evaluating the proposed format and critiquing the results of a test survey of data for one county. The committee agreed on a series of recommendations, including: limiting the inventory to currently available, spatially related land resource data; providing quick-glance matrices which would indicate the geographical coverage of each inventory item; compiling the documents in looseleaf form for easy editing and expansion; and standardizing the inventory format to facilitate future automated storage and retrieval. A series of alternative library filing and editing systems were considered for the inventory, ranging from the manual looseleaf format to interactive computer-based processes using portable computer terminals. It was decided to proceed with the manual format and make every effort to maintain the more advanced alternatives as viable future options.

A series of inventory entry standards were used in the selection of data for the inventory, although a few exceptions were made for highly pertinent data which did not meet the standards.

Entry standards specify that:

- Mapped data must be 1:500,000 scale or larger.
- Tabular data must be spatially relatable, i.e. the data must be able to be described geographically and compiled on maps.
- Data must cover a geographic area greater than or equal to one county.
- Data must be timely, ie. current or of important historical value.
- Data must be publicly available.

The actual data survey involved a process of locating, analyzing, classifying, documenting and reviewing each data item in the inventory. Personal contacts were made with key data collectors and managers in the various agencies and institutions, and they were familiarized with the nature and purpose of the inventory. We relied heavily on these people to direct us to further data contacts in their agencies. Portions of the actual data were then studied and described in considerable detail, and the contacted persons were usually interviewed to explain their data collection programs. After each data item was documented and compiled on an inventory sheet (sometimes accompanied by reference tables and maps), the sheets were sent back to the contacted person for review. This coordination and review process with each data collector not only ensured a useful inventory document, but, more importantly, it guaranteed the data collector and the source agency that a reliable and accurate description of their data and programs would be distributed to potential data users.

Drafts of the final document were sent to members of the interagency review committee for comments on organization, usefulness, and completeness. It is hoped that, as a result of the above process, the inventory is now compiled in a form which will serve as an invaluable reference for many users of land resource data in Wisconsin.

The entire inventory process was completed in approximately 9 months. To document the effort involved in each step of the process, and to offer a prospectus on future inventory efforts, a timetable is presented below.

1) Design of Inventory	5 wks.	150 hrs.	Dec-Jan
2) Committee review and test survey	4 wks.	200 hrs.	Jan-Feb
3) Data survey	21 wks.	1100 hrs.	Mar-July
4) Organization, compilation, and review	12 wks.	300 hrs.	July-Oct
	42 wks.	1750 hrs.	9 months

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Barron																								
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GLOSSARY

GLOSSARY OF TERMS

aeromagnetic survey:

A survey of the Earth's magnetic properties, made with an airborne magnetometer.

alkalinity:

A measure of baseness. (Ordinarily indicates the amounts of carbonates, bicarbonates and hydroxides present in water.) Expressed as a pH above 7.

ambient air quality:

A measure of the quality of any unconfined portion of the atmosphere.

aquifer:

An underground layer of porous rock, sand or earth containing water, which is transmitted rapidly enough to supply useful quantities to springs or wells.

arterial road:

Highways having trip lengths and travel density characteristics of an interstate or inter-regional nature.

bathymetry:

The measurement of depths of water in oceans, seas, and lakes, and the information derived from such measurements.

benthos:

Plants or animals attached or resting on a lake bottom or living in the bottom sediments.

biochemical oxygen demand (BOD):

A measure of the amount of dissolved oxygen, measured in parts per million, that is required by organisms and for the aerobic biochemical decomposition of organic matter present in water. It is commonly used as a measure of water quality.

blocks (census):

The Census Bureau's basic area for tabulation in the city is the city block, normally a well defined rectangular piece of land, bounded by streets and roads. They also use block groups, a combination of contiguous blocks having a combined average population of about 1,000.

CFS:

Cubic feet per second, a measure of the amount of water passing a given point.

census tract:

Small, relatively permanent areas into which large cities and adjacent areas are divided for the purpose of providing comparable small area statistics.

chloride:

A compound in which chlorine is combined with another element or radical (group of atoms).

coliform:

A type of bacteria that, when found in water, is indicative of gross fecal pollution.

conductivity (specific conductance):

A measure of the capacity of water to conduct an electrical current, increasing as the concentration of dissolved and ionized constituents increase.

cross sectional diagram or profile:

A drawing that shows features transected by a given plane (usually a side view).

crest stage:

The highest elevation reached by flood waters flowing in a channel.

dew point:

The temperature at which water vapor in the atmosphere condenses into a liquid.

diazo:

A paper sensitive to ultraviolet light, or a copying machine or process using this paper.

digitize:

To sample a continuous function at discrete time or distance intervals and to record the values as a sequence of numbers. Often used for computerized storage of lines, points or areas on maps.

dip:

The angle that a tilted rock layer makes with an imaginary horizontal plane. The angle of the dip is always perpendicular to the strike.

discharge:

The volume of fluid that passes a given point in a given period of time, commonly measured in cubic feet per second.

dissolved oxygen:

The concentration of oxygen dissolved in water or sewage, usually measured in parts per million or milligrams per liter. Adequate amounts of dissolved oxygen are necessary for fish and other aquatic life to survive.

dissolved solids:

The total amount of dissolved material, either organic or inorganic, contained in water or wastes.

drumlin:

A smooth, oblong hill composed of glacial till, having its long axis in the direction of ice movement.

easement:

A right or privilege that a person or government may have on another's land. For example, the Department of Natural Resources acquires limited rights along rivers and streams for public access to fishing.

effluent:

Water that is discharged from storm or sanitary sewers or after use in the treatment of sewage or industrial products.

enumeration district:

Small population areas which average about 250 housing units and are defined by the Census Bureau. They are used for the collection and tabulation of population and housing census data.

aeolian sediments:

Sediments of recent origin consisting of sand and finer material which have been transported and arranged by the wind.

esker:

A ridge of glacial gravel formed between walls of ice, often several miles in length.

eutrophication:

An increase in the nutrients required for the growth of organisms in water or in lake sediments, often causing the organisms to become overly productive.

fluvial:

Of or pertaining to the action of rivers or running water.

Forest Crop Law:

Chapter 77 of Wisconsin State Statutes; it authorizes special tax treatment for private lands which, under contract with the Department of Natural Resources, are managed for timber production and are open for public hunting and fishing. The owner of an entire quarter-section, fractional lot or governmental lot is eligible.

gamma:

A unit of magnetic field strength.

geochemistry:

The study of the distribution and amounts of chemical elements in the Earth's crust, water and atmosphere.

geophysics:

The physics of the earth. It includes measurements of magnetic fields, the force of gravity, electrical properties, seismic properties, etc.

gravitational anomaly:

An area of a gravitational survey which is different in appearance from the survey in general.

ground control:

The exact marking and location of points or systems of points on the Earth's surface. Points, lines and angles measured on the ground which are used to compile maps and orient aerial photographs.

heavy metals:

Metallic elements with high molecular weights, generally toxic in low concentrations to plant and animal life.

hydrogeology:

The branch of hydrology that deals with groundwater, its occurrence, movements, and the properties of rocks that control groundwater movements and storage. Also called groundwater hydrology.

hydrography:

The configuration of an underwater surface including its relief, bottom materials, coastal structures, etc. The description and study of seas, lakes, rivers and other waters.

infrared film:

A type of film commonly used in aerial photography that is more sensitive to the portion of the electromagnetic spectrum just beyond the red end of the visible spectrum.

isopleth:

The line connecting a series of points of equal value in a multidimensional space.

joint:

A surface of actual or potential fracture in a rock mass.

large scale aerial photography:

Low altitude aerial photography which depicts ground features in great detail; defined in this inventory to be 1:12,000 scale or larger.

lithology:

The composition, structure and texture of rocks.

map projection:

In map making, a mathematical or geometric transformation of part or all of the earth's surface onto a plane (flat) surface. Common map projections found in this inventory include: Lambert Conformal Conic Projection, Universal Transverse Mercator (UTM) Projection, and Polyconic Projection.

medium scale aerial photography:

Medium altitude aerial photography which depicts ground features in moderate detail; defined in this inventory to be between 1:12,000 and 1:48,000 scale.

milligal:

A unit of measurement of weight or density used in gravity surveys, equal to a unit of acceleration of one hundredth millimeter per second (one thousandth of a gal).

minor civil division:

The primary political and administrative subdivisions of a county.

monument:

A permanent natural or artificial structure that marks the location on the ground of a corner of property or other survey point.

moraine:

The debris of earth and rocks collected in ridges or in heaps by a glacier.

Mylar:

A trademark for a polyester made in extremely thin sheets of great strength and used as a drafting medium, a film, etc.

National Map Accuracy Standards:

For horizontal accuracy, at least 90 percent of the well defined map points must be plotted correctly within one fiftieth of an inch on the published map. This tolerance corresponds to 40 feet on the ground for 1:24,000 scale maps and about 100 feet on the ground for 1:62,500 scale maps. The standards for vertical accuracy require that at least 90 percent of the elevations interpolated from the contour lines shall be correct within one-half of the contour interval.

oblique photograph:

An aerial photograph taken with the camera axis intentionally inclined between the vertical and the horizontal.

100 year flood:

A flood having an average frequency of occurrence in the order of once in a hundred years at the designated location. The flood may actually occur in any year.

orthophotograph:

A photographic image in which the displacements due to tilt and relief have been removed. An aerial photograph which has been corrected to meet mapping standards.

outfall site:

The area where a pipe, ditch, drain or distributor discharges effluent into a lake or stream.

ozalid:

A trademark for a process for producing positive prints made directly from original drawings or printed material and developed dry in the process of ammonia vapor.

panchromatic film:

A type of film that is sensitive to all the colors of the visible light spectrum in proportion to their respective luminosities.

partial record station:

A site where a limited amount of stream flow or water quality data are collected systematically over a period of years.

particulate:

Solid or liquid matter (usually consisting of very small particles) suspended in air, which, if present in high concentration, is considered an atmospheric pollutant.

peizometric surface:

See potentiometric surface.

pH:

A measure of hydrogen ion concentration in solution (the acidity or alkalinity of a material). Expressed on a scale ranging from 0 (most acidic) to 14 (most alkaline or basic). A pH of 7.0 is neutral.

photo index:

A mosaic of photographs or a map with individual flight lines or images coded so they may be identified for use or purchase.

photo mosaic:

An assembly of aerial photographs whose edges have been cut and matched to form a continuous photographic representation of a part of the Earth's surface.

phylogenetic:

Referring to the lines of descent or evolutionary development of any plant or animal species.

planimetric map:

A map that presents only the relative horizontal positions for the natural or cultural features represented.

planimeter:

A device used to measure the area of any plane surface, however irregular.

plankton:

An assemblage of micro-organisms, both plant and animal, which float, drift or swim in the water and, in their movements, are subject to wave and current action.

plat:

A diagram drawn to scale, showing boundaries and subdivisions of a tract of land as determined by a survey.

Pleistocene:

An epoch of the Quaternary Period of geologic time. Also called the Ice Age.

population estimate:

An estimate of the probable number of residents of a given area. In the absence of an actual count, the estimate is derived on the basis of available demographic as well as non-demographic data that are symptomatic of the population living in the area.

population projection:

A projection of the most likely population of a given area at some future date, based on certain assumptions regarding future courses of fertility, mortality and migration.

potentiometric surface:

An imaginary surface representing the static head of ground water and defined by the level to which water will rise in a well. The water table is a particular example.

PPM:

Parts per million. One part by weight of dissolved chemical or suspended sediment in one million parts by weight of water. The unit commonly used to represent the degree of pollutant concentration where concentrations are small.

Precambrian:

A period on the geologic time scale prior to approximately 600 million years ago.

Project Sanguine:

A very low frequency underground antenna system proposed by the U.S. Navy for communications between submarines and on-land stations. The purpose stimulated extensive geological, biological, and cultural resource investigations in north central Wisconsin.

Public Land Survey:

The system by which much of the United States was surveyed and divided into a rectangular grid using townships and sections.

quadrangle:

A four sided tract of land bounded by parallels of latitude and meridians of longitude, used as an area unit in systematic mapping. The area of land charted on U.S. Geological Survey maps.

section:

One of the 36 units of a township in the U.S. Public Land Survey system, representing a piece of land normally one square mile in area.

seven day low flow:

The lowest mean discharge for seven consecutive days during a given period.

sludge:

The solids removed from sewage during waste water treatment. The deposits on the bottoms of streams and lakes.

small scale aerial photography:

High altitude aerial photography which depicts ground features with little detail, defined in this inventory to be 1:48,000 scale or smaller.

soil association:

A grouping of soil types which are often found together on the landscape and often have similar characteristics.

soil series:

The basic unit in soil classification. A group of soils having horizons of similar characteristics and arrangement in the soil profile, and developed from a particular type of parent material.

specific capacity:

The rate of yield of a well per unit of drawdown, commonly expressed in gallons per minute per foot.

spectral wavelength:

A specific portion of the electromagnetic spectrum. For example, light with a wavelength of 525 nanometers (10^{-9} meters) appears green to the human eye.

stand density:

A specialized term to indicate the number of plant individuals per unit area. May be expressed in absolute terms or as relative density.

standard project flood:

The largest flood that can be expected from the most severe combination of meteorological and hydrological conditions that are considered reasonably characteristic of the geographical region involved.

stream gaging station:

A site where systematic observation of stage or discharge are obtained.

stream low flow:

A stream discharge, commonly occurring in certain seasons of the year, that is not attributable to direct runoff from precipitation or snowmelt. It is usually sustained by water draining from natural storage in groundwater, lakes or swamps.

stream profile:

The longitudinal profile (side view) of a stream.

strike:

The direction of the line formed by the intersection of a rock surface with a horizontal plane. The strike is always perpendicular to the direction of the dip.

tectonic:

Of or pertaining to changes in the structure and form of the Earth's crust and the forces responsible for these deformations.

tick marks:

A mark commonly found on the margin of a map which indicates the exact location of a particular geographic coordinate.

traverse line:

A line or a series of lines connecting a series of surveyed points on the Earth's surface, obtained by or from field measurements. The measurements are used in determining the relative positions of the points for the purpose of making maps.

trunk highway:

The main highway in a network of roads.

unconsolidated material:

A sediment that is loosely arranged or unstratified or whose particles are not cemented together.

vegetative community:

A grouping of plants which grow together in the same general place and have mutual interaction.

water table:

The upper surface of a zone of water saturation in the ground, except where the surface is formed by an impermeable body.

waterwork:

An engineering structure (tank, dock, canal lock, levee, seawall, etc.) built in, for, or as a protection against water.

Woodland Tax Law:

Section 77.16 of Wisconsin State Statutes; it authorizes special tax treatment for private lands of less than 40 acres upon which forestry is practiced under a contract with the Department of Natural Resources.

AGENCY ABBREVIATIONS

Abbreviations

Agency Name

ASCS	Agricultural Stabilization and Conservation Service (U.S. Department of Agriculture)
BLRPC	Bay-Lake Regional Planning Commission
BIA	Bureau of Indian Affairs (U.S. Department of the Interior)
COE	U.S. Army Corps of Engineers
DCRPC	Dane County Regional Planning Commission
DLAD	Wisconsin Department of Local Affairs and Development
DNR	Wisconsin Department of Natural Resources
DOA	Wisconsin Department of Administration
DOR	Wisconsin Department of Revenue
DOT	Wisconsin Department of Transportation
ECWRPC	East Central Wisconsin Regional Planning Commission
EROS	Earth Resources Observation Systems (U.S. Department of the Interior)
EPA	U.S. Environmental Protection Agency
FAA	Federal Aviation Administration
FPC	Federal Power Commission
H&SS	Wisconsin Department of Health and Social Services
HUD	United States Department of Housing and Urban Development
MRRPC	Mississippi River Regional Planning Commission
NASA	National Aeronautics and Space Administration
NCWRPC	North Central Wisconsin Regional Planning Commission
NOAA	National Oceanic and Atmospheric Administration (U.S. Department of Commerce)
NPS	National Park Service (U.S. Department of the Interior)
NWRP&DC	Northwest Regional Planning Commission (new name for Northwestern Wisconsin Regional Planning and Develop- ment Commission)
PSC	Wisconsin Public Service Commission
RPC	Regional Planning Commission
SCS	Soil Conservation Service (U.S. Department of Agriculture)
SEWRPC	Southeastern Wisconsin Regional Planning Commission
USC&GS	U.S. Coast and Geodetic Survey (Now National Ocean Survey, U.S. Department of Commerce)
USDA	U.S. Department of Agriculture
USFS	U.S. Forest Service (U.S. Department of Agriculture)
USGS	U.S. Geological Survey (U.S. Department of the Interior)
UW	University of Wisconsin
WCWRPC	West Central Wisconsin Regional Planning Commission
WGNHS	Wisconsin Geological and Natural History Survey

CONVERSIONS BETWEEN RATIOS AND LINEAR MEASURES

-all map scales included in the inventory are given as ratios

<u>1:600</u> <u>1" = 50'</u>	1:60,000.....1" = 5000'
<u>1:1,000</u>1" = 83.33'	<u>1:62,500</u>1" = 0.99 mi.
1:1,200..... <u>1" = 100'</u>	1:63,360..... <u>1" = 1 mi.</u>
1:2,000.....1" = 166.66'	1:72,000.....1" = 6000'
1:2,400..... <u>1" = 200'</u>	1:80,000.....1" = 1.26 mi.
1:3,960..... <u>1" = 330'</u>	1:84,480.....0.75" = 1 mi.
1:4,800..... <u>1" = 400'</u>	1:96,000.....1" = 8000'
1:5,000.....1" = 416.66'	<u>1:100,000</u>1" = 1.58 mi.
1:7,920..... <u>1" = 660'</u>	1:120,000.....1" = 10,000'
1:9,600.....1" = 800'	<u>1:125,000</u>1" = 1.97 mi.
1:10,000.....1" = 833.33'	1:126,720..... <u>1" = 2 mi</u>
1:12,000..... <u>1" = 1000'</u>	1:190,080..... <u>1" = 3 mi.</u>
1:15,000.....1" = 1250'	<u>1:250,000</u>1" = 3.95 mi.
1:15,840..... <u>4" = 1 mi.</u> (1320')	1:253,440..... <u>1" = 4 mi.</u>
1:18,000.....1" = 1500'	1:316,800.....1" = 5 mi.
<u>1:20,000</u>1" = 1666.66'	1:380,160..... <u>1" = 6 mi.</u>
<u>1:24,000</u>1" = 2000'	<u>1:500,000</u>1" = 7.89 mi.
1:25,000.....1" = 2083.33'	1:506,880..... <u>1" = 8 mi.</u>
1:30,000.....1" = 2500'	1:600,000.....1" = 9.47 mi. (50,000')
1:31,680..... <u>2" = 1 mi.</u>	<u>1:710,000</u>1" = 11.20 mi.
<u>1:40,000</u>1" = 3333.33'	1:823,680.....1" = 13 mi.
<u>1:48,000</u>1" = 4000'	1:1,000,000.....1" = 15.78 mi.
1:50,000.....1.27" = 1 mi.	1:1,013,760..... <u>1" = 16 mi.</u>
1:50,680..... <u>1.25" = 1 mi.</u>	1:1,267,200..... <u>1" = 20 mi.</u>
1:56,320.....1.12" = 1 mi.	1:2,880,000.....1" = 45.45 mi.

The most commonly used scales are underlined.

AGENCY ADDRESSES

United States Department of Agriculture

Soil Conservation Service
4601 Hammersley Road
P.O. Box 4248
Madison, Wisconsin 53711
(608) 252-5341

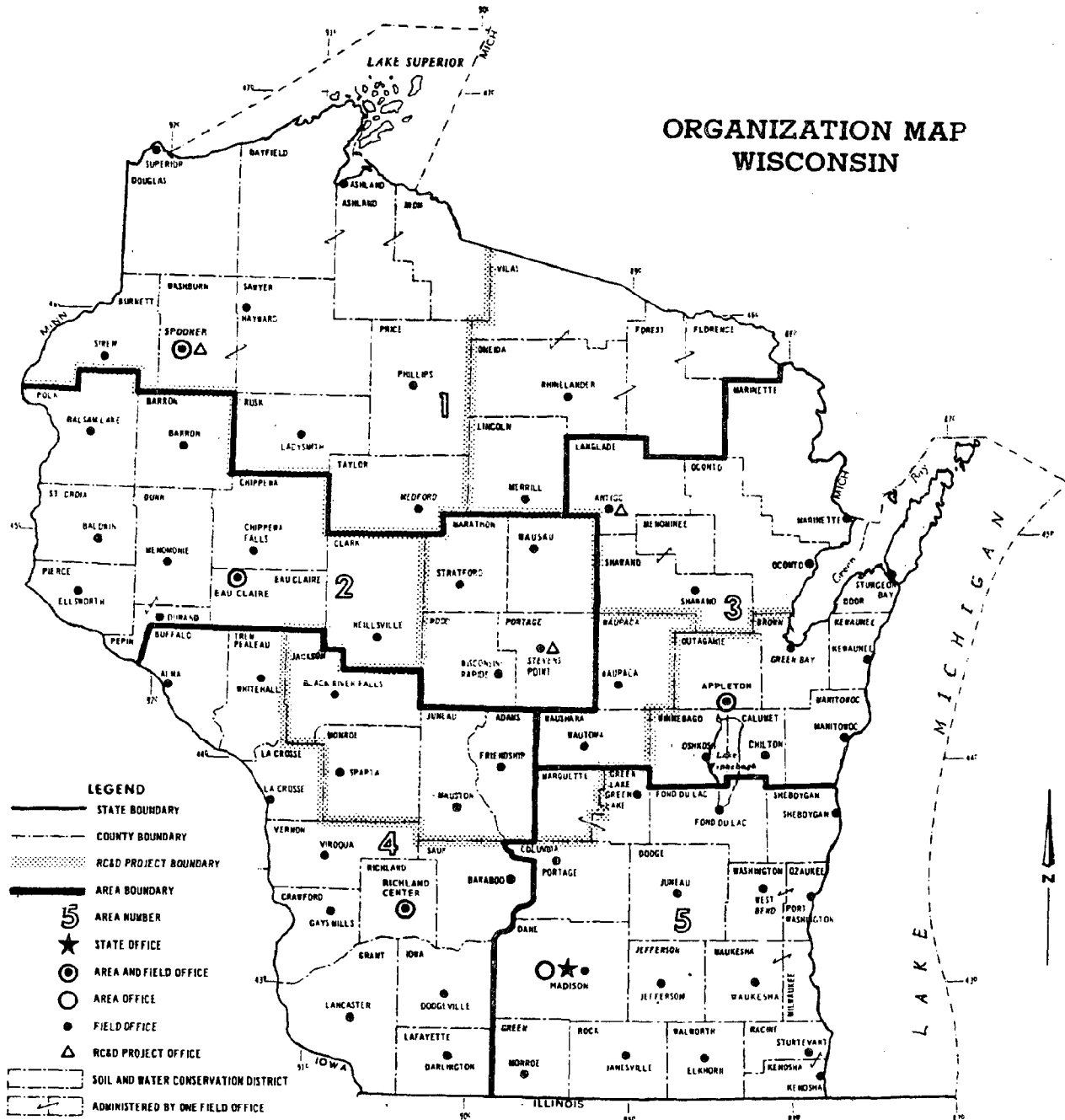
Area Offices

<u>Area</u>	<u>Address</u>	<u>Telephone Number</u>
1	206 Vine Street Spooner, Wisconsin	(715) 635-3505
2	2329 East Clairemont Avenue Eau Claire, Wisconsin 54701	(715) 832-6547
3	3019 West Spencer Street Appleton, Wisconsin 54911	(414) 734-2061
4	101 South Church Street Richland Center, Wisconsin 53581	(608) 647-6228
5	2326 South Park Street Madison, Wisconsin 53713	(608) 251-1112

DIRECTORY

SOIL CONSERVATION SERVICE PERSONNEL

ORGANIZATION MAP WISCONSIN



United States Geological Survey

Water Resources Division

Field Offices

U.S. Geological Survey, WRD
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

U.S. Geological Survey, WRD
1029 1/2 East Main Street
P.O. Box 151
Merrill, Wisconsin 54452
(715) 536-2200

U.S. Geological Survey, WRD
105 1/2 North Main Street
P.O. Box 506
Rice Lake, Wisconsin 54868
(715) 234-4015

U.S. Geological Survey, WRD
916 North East Avenue
Waukesha, Wisconsin 53186
(414) 544-4315

Wisconsin Department of Natural Resources

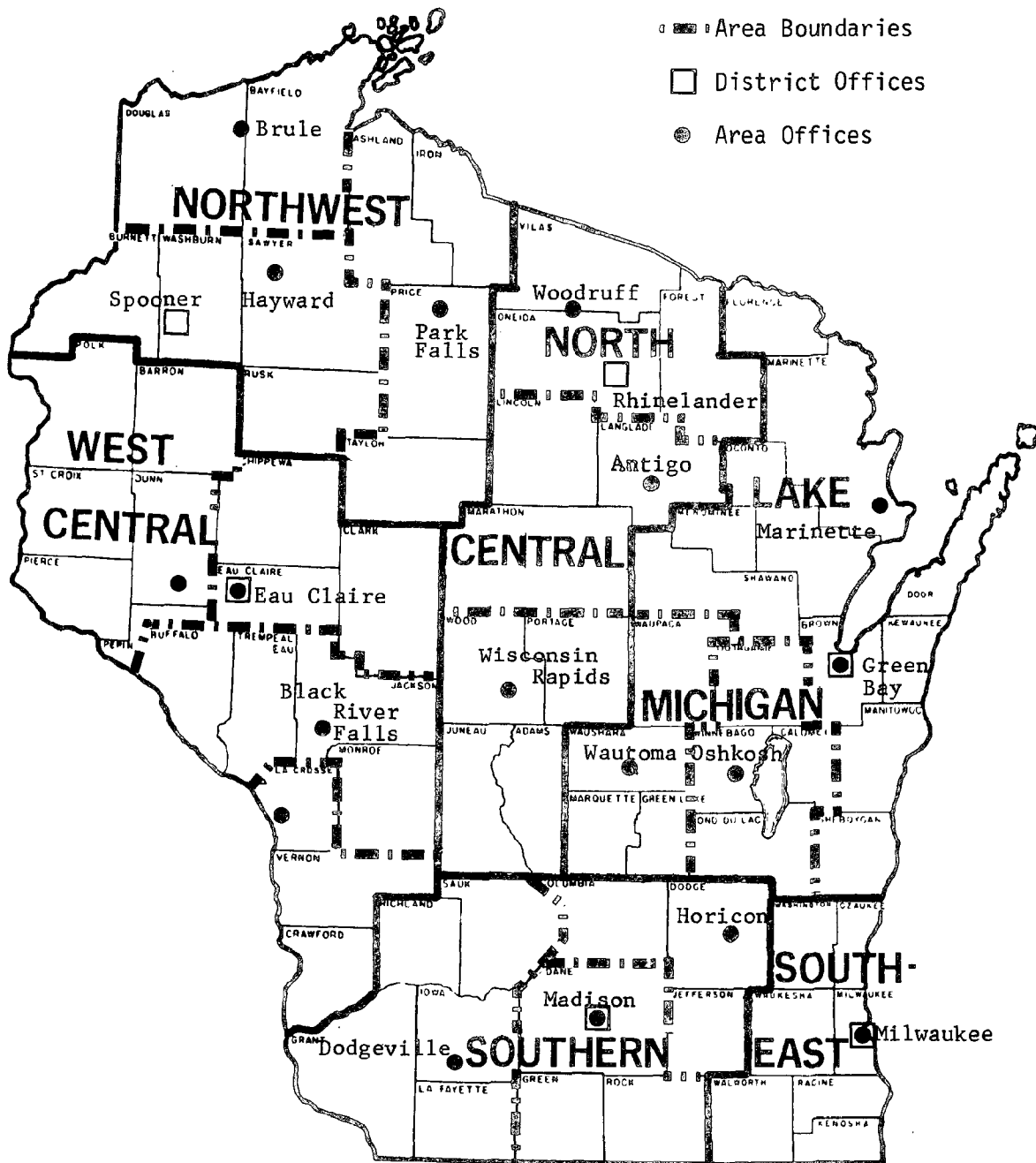
District Offices

<u>District</u>	<u>Addresses</u>	<u>Telephone Number</u>
Southern	3911 Fish Hatchery Rd., R.4 Madison, Wisconsin 53711	(608) 266-2628
Southeast	9722 West Watertown Plank Road Milwaukee, Wisconsin 53226	(414) 257-6543
Lake Michigan	812 South Fisk Street, Box 3600 Green Bay, Wisconsin 54303	(414) 494-9601
West Central	1300 West Clairemont Avenue Eau Claire, Wisconsin 54701	(715) 836-2821
North Central	Box 818 Rhinelander, Wisconsin 54501	(715) 326-7616
Northwest	Box 309 Spooner, Wisconsin 54801	(715) 635-2101

DEPARTMENT OF NATURAL RESOURCES DISTRICTS AND AREAS

LEGEND

-  District Boundaries
-  Area Boundaries
-  District Offices
-  Area Offices



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

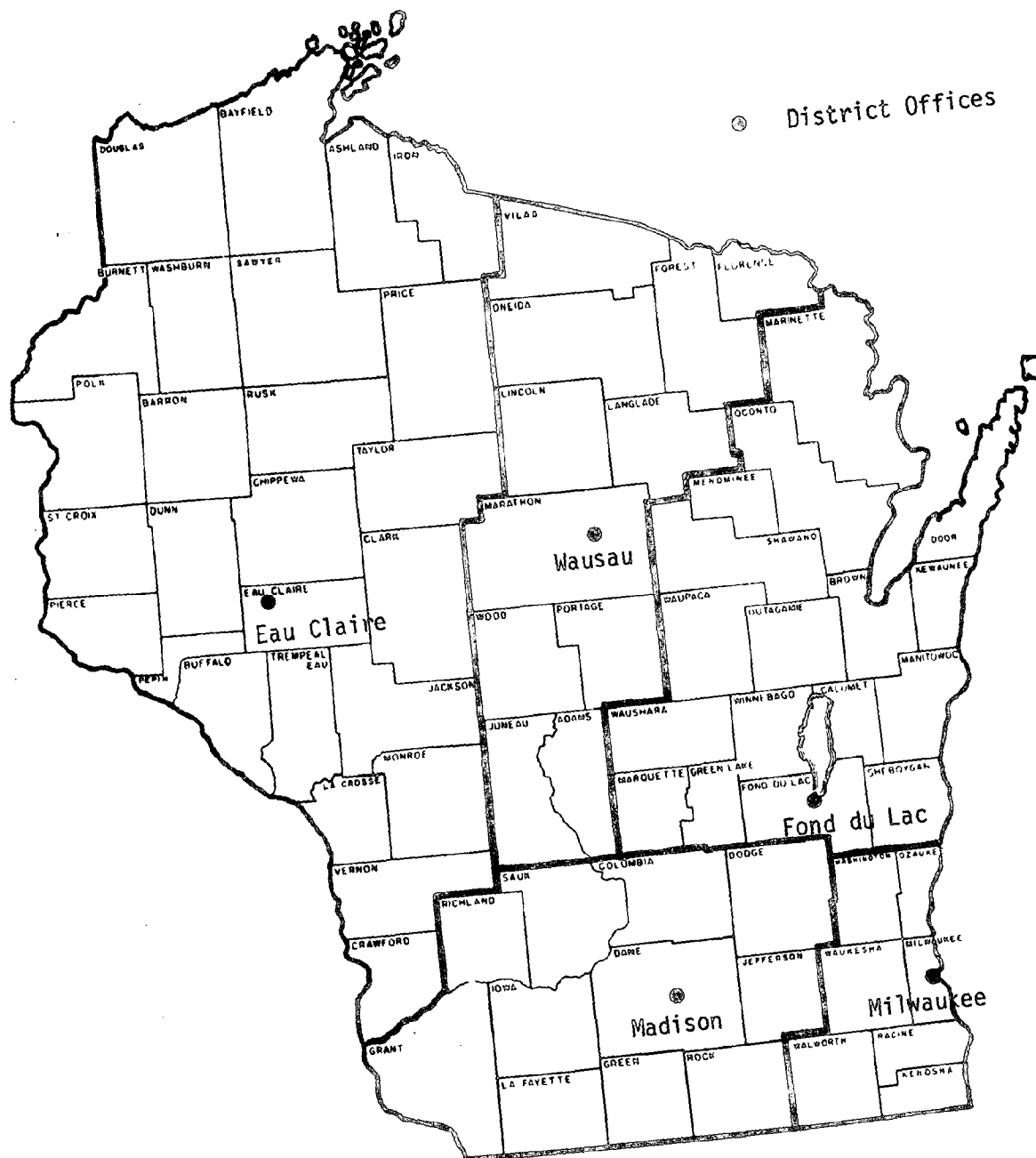
Wisconsin Department of Revenue

Property Tax Division

District Offices

<u>District</u>	<u>Address</u>	<u>Telephone Number</u>
Eau Claire	202 Graham Avenue Eau Claire, Wisconsin 54701	(715) 836-2866
Fond du Lac	14 Western Avenue Fond du Lac, Wisconsin 54935	(414) 921-4840
Madison	808 Hill Farms 4802 Sheboygan Avenue Madison, Wisconsin 53702	(608) 266-1427
Milwaukee	Room 536 State Office Building 819 North 6th Street Milwaukee, Wisconsin 53203	(414) 224-4455
Wausau	805 North First Street Wausau, Wisconsin 54401	(715) 845-7501

Wisconsin Department of Revenue
Property Tax Division



④ District Offices

WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

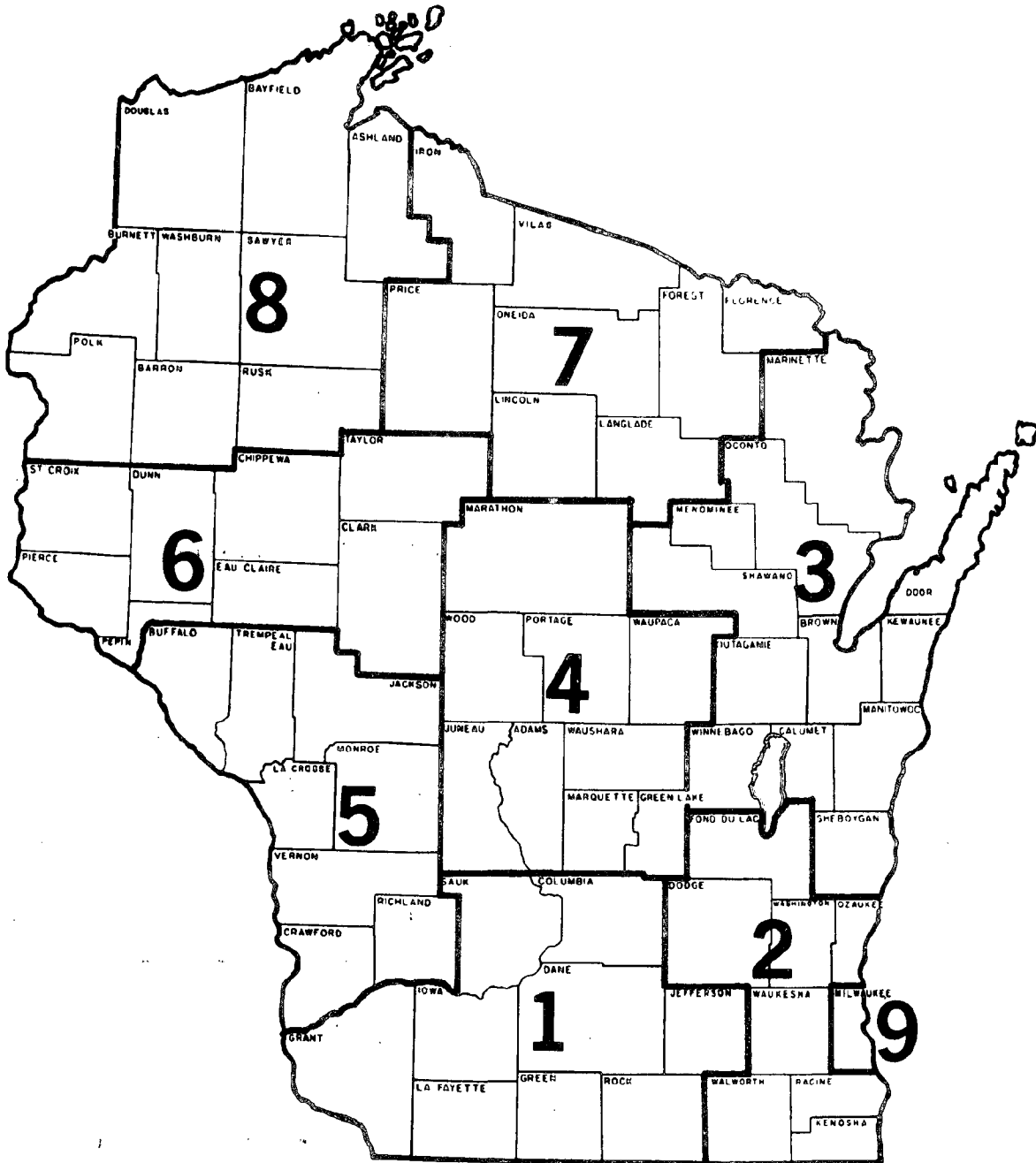
Wisconsin Department of Transportation

Division of Highways

District Offices

<u>District</u>	<u>Address</u>	<u>Telephone Number</u>
1	1317 Applegate Road Madison, Wisconsin 53713	(608) 266-1111
2	310 South West Avenue Waukesha, Wisconsin 53186	(414) 547-1735
3	1125 North Military Avenue Green Bay, Wisconsin 54303	(414) 494-4581
4	1681 - 2nd Avenue South Wisconsin Rapids, Wisconsin 54494	(715) 423-7400
5	3550 Mormon Coulee Road La Crosse, Wisconsin 54601	(608) 788-2000
6	718 West Clairemont Avenue Eau Claire, Wisconsin 54701	(715) 836-2891
7	Hanson Lake Road Rhinelander, Wisconsin 54501	(715) 362-3490
8	1517 Tower Avenue Superior, Wisconsin 54880	(715) 392-8144
9	819 North 6th Street Milwaukee, Wisconsin 53203	(414) 224-4603

DEPARTMENT OF TRANSPORTATION DISTRICTS
DIVISION OF HIGHWAYS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Wisconsin Regional Planning Commissions

Bay-Lake Regional Planning Commission
Suite 450 Socio-Ecology Building
University of Wisconsin-Green Bay
Green Bay, Wisconsin 54302
(414) 465-2135

Dane County Regional Planning Commission
Room 312B City-County Building
210 Monona Avenue
Madison, Wisconsin 53709
(608) 266-4137

East Central Wisconsin Regional Planning
1919 North Lake Street
Neenah, Wisconsin 54956
(414) 739-6156

Mississippi River Regional Planning Commission
Grandview Building
1707 Main Street
LaCrosse, Wisconsin 54601
(608) 784-5516

North Central Wisconsin Regional Planning Commission
Park Service Center
University of Wisconsin-Stevens Point
Stevens Point, Wisconsin 54481
(715) 346-3311

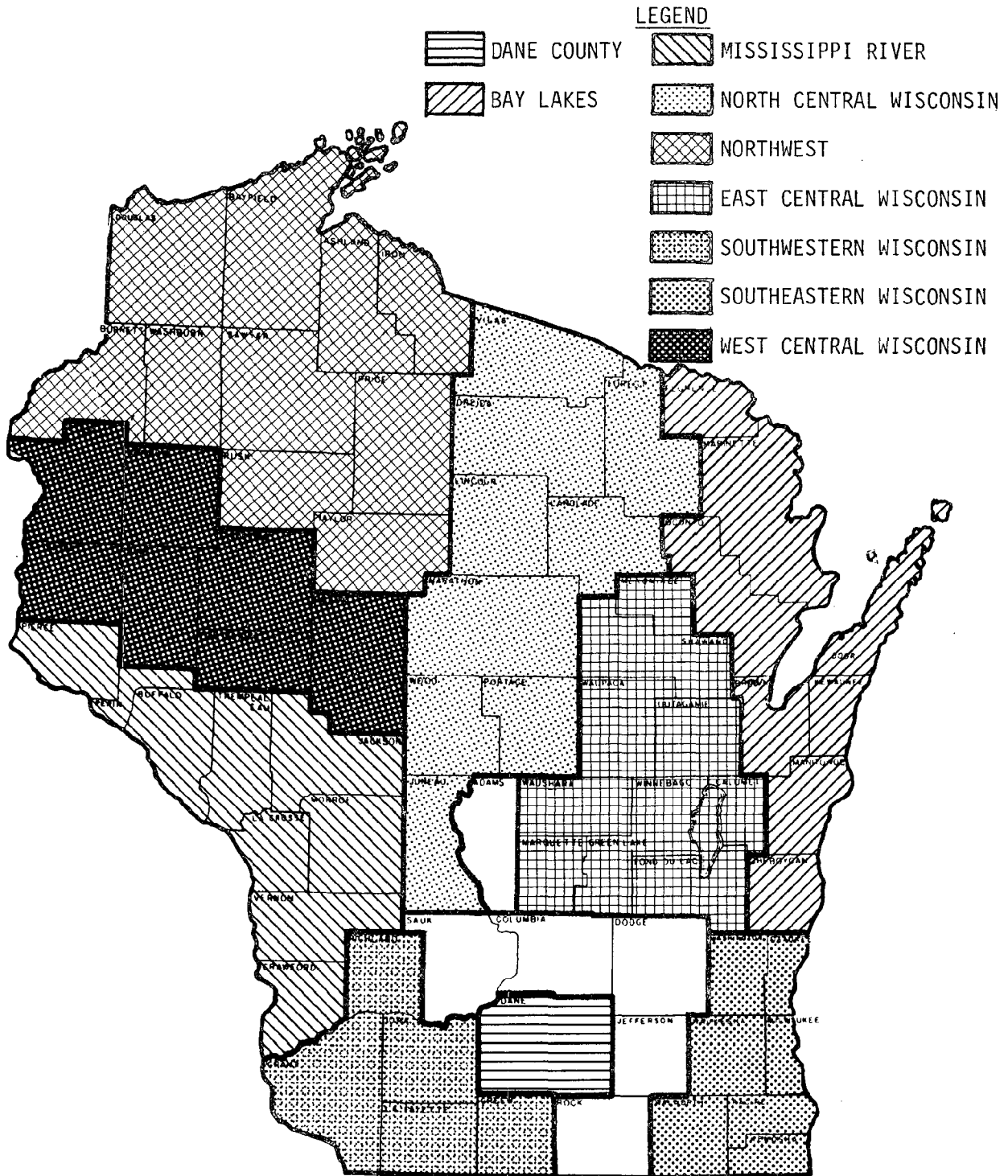
Northwest Regional Planning Commission
(formerly called Northwestern Wisconsin Regional
Planning and Development Commission)
302 1/2 Walnut Street
Spooner, Wisconsin 54801
(715) 635-2197

Southeastern Wisconsin Regional Planning Commission
916 North East Avenue
Waukesha, Wisconsin 53186
(414) 547-6721

Southwestern Wisconsin Regional Planning Commission
217 Pioneer Tower
University of Wisconsin-Platteville
Platteville, Wisconsin 53818
(608) 348-2731

West Central Wisconsin Regional Planning Commission
731 Oxford Avenue
Eau Claire, Wisconsin 54701
(715) 836-2918

WISCONSIN REGIONAL PLANNING COMMISSIONS



WISCONSIN	State Planning Office
	Department Of Administration

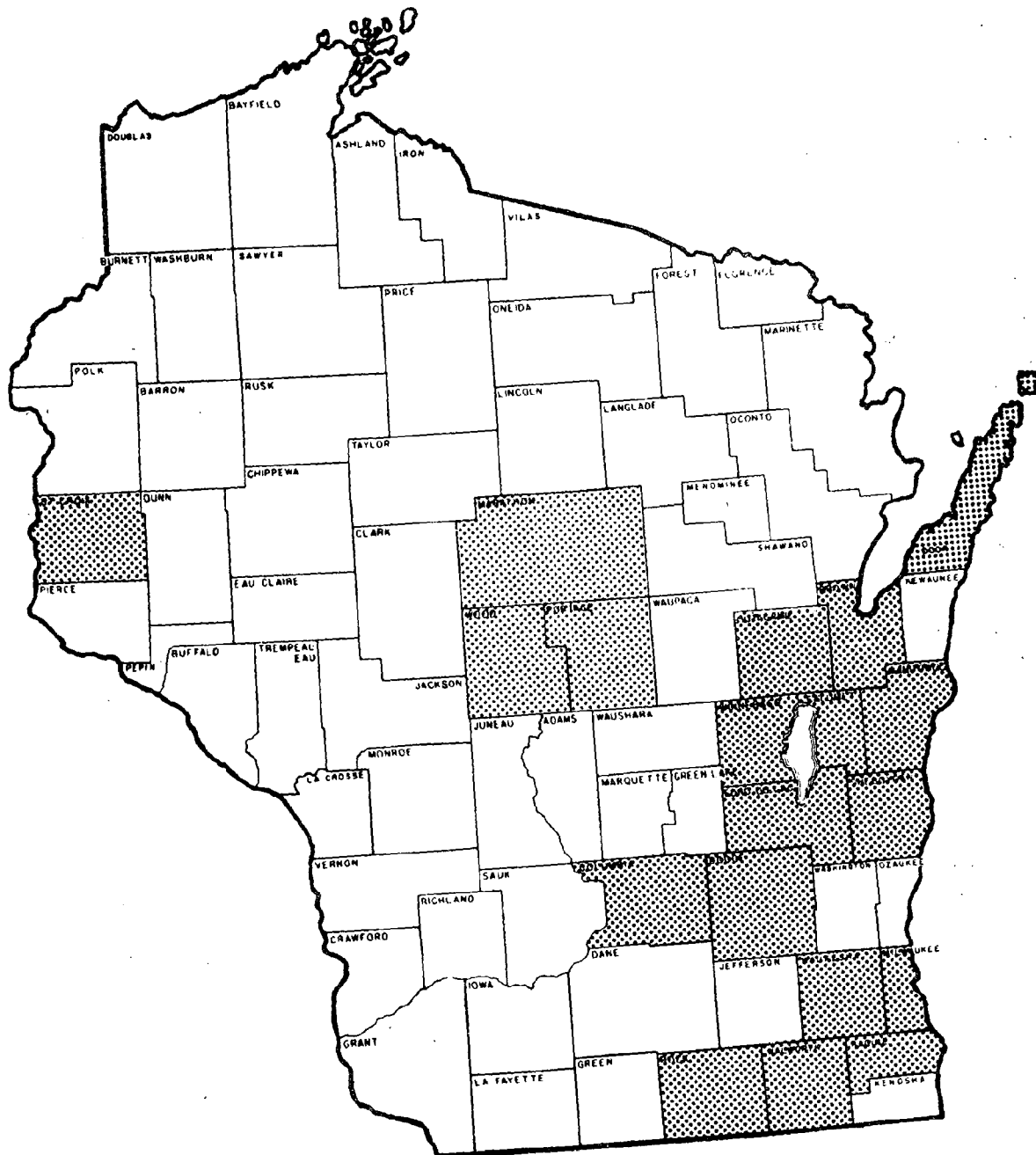
1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Wisconsin County Planning Agencies

Brown	Green Bay Brown County Planning Commission, City Hall, Room 608, 100 North Jefferson Street, Green Bay 54301
Calumet	Director of Planning, Calumet County Courthouse 206 Court Street, Chilton 53014
Columbia	Planning Director, Columbia County Administration Building, Portage 53901
Dodge	County Planner, Dodge County Courthouse, Juneau 53039
Door	County Planner, Door County Courthouse, Sturgeon Bay 54325
Fond du Lac	Planning Director, Fond du Lac County Courthouse, Fond du Lac 54935
Manitowoc	Planning Director, Manitowoc County Planning and Park Commission, 1701 Michigan Avenue, Manitowoc 54220
Marathon	Planning Director, Marathon County Planning Commission, Marathon County Courthouse, Wausau 54401
Milwaukee	Planning Director, Milwaukee County Courthouse, 901 North 9th Street, Milwaukee 53233
Outagamie	County Planner, Outagamie County Courthouse, Appleton 54911
Portage	Portage County Areawide Planning Committee, County-City Building, Stevens Point 54481
Racine	Planning Director, Racine County Courthouse, 730 Wisconsin Avenue, Racine 53403
Rock	County Planner, Rock County Courthouse, Janesville 53545
St. Croix	County Planner, Courthouse, 911 4th Street, Hudson 54016
Sheboygan	County Planner, Sheboygan County Planning and Resources Department, Courthouse, Sheboygan 53081
Walworth	County Planner, Planning, Zoning and Sanitation Office, Courthouse, Room 115, Elkhorn 53121
Waukesha	Waukesha County Park and Planning Commission, Courthouse, Waukesha 53186
Winnebago	Zoning and Planning Department, Room 140, P.O. Box 319, Oshkosh 54901
Wood	Director of Planning, Wood County Courthouse, Wisconsin Rapids 54494

COUNTY PLANNING AGENCIES

February 1975



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Wisconsin City Planning Agencies

Appleton	Director of Planning, City Hall, 54911
Ashland	Planning Office, Room 210 Vaughn Library Building, 54806
Beloit	Director of Planning, Municipal Center, 53511
Green Bay	Director of Planning, City Hall, Room 608, 100 N. Jefferson St., 54301
Janesville	City Planner, Municipal Building, 53545
Kenosha	Planning Director, City Hall 53140
LaCrosse	Director of Planning, City Hall, 54601
Madison	Planning Director, City-County Building, 53709
Manitowoc	City Planner, 817 Franklin Street, 54220
Milwaukee	Department of City Development, P.O. Box 324, 210 W. Michigan St., 53201
Oak Creek	City Planner, 8640 South Howell Avenue, 53154
Oshkosh	Dept. of Community Development, 215 Church St., 54901
Racine	Planning Director, 306 City Hall, 730 Washington Ave., 53403
Sheboygan	Planning Director, City Hall 53081
Shorewood	City Planner, 3930 North Murray Avenue, 53211
Superior	Planning Office, 201 City/County Complex, 54880
Waukesha	Director of Planning, 201 Delafield Street, City Hall, 53186
West Allis	Planning Department, City Hall, 7525 West Greenfield Ave., 53214

Subsection:

Section:

Data type:

Date of Collection:

Date of Publication:

Detail:

Aggregation:

Quality:

Timeliness:

Sources:

Textual Description:

Contact for Purchase:

Contact for Information:

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Traverse
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

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Sources:

Textual Description:

Contact for Purchase:

Contact for Information:

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection:

Section:

Data type:

Date of Collection:

Date of Publication:

Detail:

Aggregation:

Quality:

Timeliness:

Sources:

Textual Description:

Contact for Purchase:

Contact for Information:

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood



INVENTORY OF WISCONSIN LAND RESOURCES DATA

GENERAL SOURCES
HUMAN RELATED RESOURCES
BIOLOGICAL RESOURCES

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This investigation was accomplished, in part, with the funding of the Upper Great Lakes Regional Commission, but the data, statements, findings, conclusions and recommendations do not necessarily reflect the views of the Commission. The material is the result of tax-supported research and as such is not copyrightable. It may be freely reprinted with the customary crediting of the source.

November, 1975

State of Wisconsin
Patrick J. Lucey, Governor

DOA-SPO-75-11(1)

ADVISORY AND REVIEW COMMITTEE

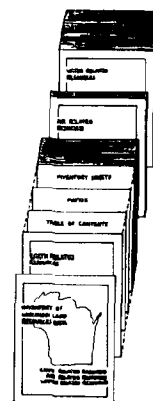
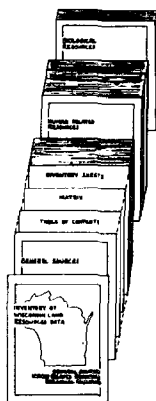
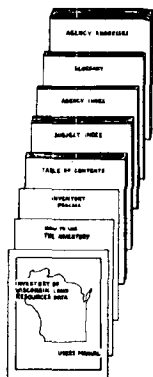
Marlan Clinkenbeard, Southeastern Wisconsin Regional Planning Commission; Steven Dunn, Wisconsin Department of Natural Resources; Robert Fisher, Bay Lake Regional Planning Commission; William Frerichs, Wisconsin Department of Revenue; John Heugel, Brown County Planning Commission; William Lane, Dane County Regional Planning Commission; Bernard Niemann, University of Wisconsin; Meredith Ostrom, Wisconsin Geological and Natural History Survey; William Tishler, University of Wisconsin; Douglas Yanggen, University of Wisconsin—Extension; Art Ziegler, University of Wisconsin—State Cartographer.

CONTRIBUTING AGENCIES

Bay Lake Regional Planning Commission
Brown County Planning Commission
Dane County Regional Planning Commission
East Central Wisconsin Regional Planning Commission
Federal Power Commission
Great Lakes Basin Commission
Milwaukee Public Museum
Mississippi River Regional Planning Commission
National Aeronautics and Space Administration
North Central Wisconsin Regional Planning Commission
Northland College
Northwest Regional Planning Commission
Southeastern Wisconsin Regional Planning Commission
Southwestern Wisconsin Regional Planning Commission
State Historical Society of Wisconsin
United States Department of Agriculture
United States Department of Commerce

United States Department of Defense
United States Department of Housing and Urban Development
United States Department of the Interior
United States Department of Transportation
University of Wisconsin System
Upper Mississippi River Basin Commission
West Central Wisconsin Regional Planning Commission
Wisconsin Board of Commissioners of Public Lands
Wisconsin Department of Administration
Wisconsin Department of Health and Social Services
Wisconsin Department of Local Affairs and Development
Wisconsin Department of Natural Resources
Wisconsin Department of Revenue
Wisconsin Department of Transportation
Wisconsin Geological and Natural History Survey
Wisconsin Public Service Commission
Wisconsin State Cartographer

INVENTORY SECTIONS AND SUBSECTIONS



USERS MANUAL

How to Use the
Inventory

Inventory Process

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- 1.4 Information Services
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GENERAL SOURCES

**GENERAL MAPS
TOPOGRAPHIC MAPS
AERIAL PHOTOGRAPHY
INFORMATION SERVICES
AND BIBLIOGRAPHIES**

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		COMPLETE																	
		PARTIAL																	
Adams																			
Ashland																			
Barron																			
Bayfield																			
Brown																			
Buffalo																			
Burnett																			
Calumet																			
Chippewa																			
Clark																			
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Iowa																			
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Jackson																			
Jefferson																			
Juneau																			
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Lafayette																			
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Marathon																			
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Walworth																			
Washburn																			
Washington																			
Waukesha																			
Waupaca																			
Waushara																			
Winnnebago																			
Wood																			

GENERAL SOURCES

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published maps

Date of Collection: 1966

Date of Publication: 1968

Detail: 1:500,000. Base map without contour lines or relief is also available at 1:1,000,000.

Aggregation: Three map editions with statewide coverage: State Map, Topographic Map, Shaded Relief Map.

Quality: Maps meet National Map Accuracy Standards.

Timeliness: Cultural features on maps may be out of date.

Sources: USGS 1:250,000 Topographic Map Series; USGS 15 minute quadrangle map series; DOT State highway map, USC&GS.

Textual Description: Three USGS State Base Maps are published and available for purchase. The State Map shows counties, cities, towns, major roads, railroads, drainage, Public Land Survey lines, and latitude-longitude lines. The Topographic Map is an overprint of the State Map, and in addition shows contours (200 foot intervals) in brown and highways in purple. National forests, wildlife refuges, Indian reservations, and built-up areas for cities are indicated by color patterns. The Shaded Relief Map is overprinted on a modified base map which shows only the State capitol, county seats, county boundaries, and drainage. The physiographic features of the state are brought out by shaded-relief. The maps are Lambert Conformal projections. The sizes are 42 x 46 inches.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and Natural
 History Survey
 1815 University Avenue
 Madison, Wisconsin 53706
 (608) 262-1705

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: GENERAL MAPS

Section: General Sources

Data type: Unpublished Tabular and Maps

Date of Collection: 1830's - 1860's

Date of Publication: Unpublished

Detail: Township maps at 1:31,680 scale. Surveyors' logs contain detailed measurements and descriptions of corner locations.

Aggregation: Statewide by township and range

Quality: The survey contains inaccuracies, but it is still used by courts as the official survey document. More recent surveys by USGS and USC&GS provide more accurate ground control information.

Timeliness: Never updated, certain small sections of the original survey were redone in the mid-1880's.

Sources: Field surveys

Textual Description: The U.S. Public Land Survey includes logs of field surveyors and plat maps drawn from surveyors' records. They indicate natural features (lakes, streams, etc.), settlements, roads, vegetation, etc. They also lay out the township, range and section boundary lines. The logs date back to 1830 and a map corresponds to each log. The logs and maps have been duplicated on microfilm and can be reproduced. A book by J.S. Dobbs, Original Instructions Governing Public Land Surveys 1815-1855, Power Press, Ames, Iowa, 1944, provides a documentation of survey methods.

Contact for Purchase:

Contact for Information:

State of Wisconsin
Board of Commissioners of
Public Land
Box 450
Madison, Wisconsin 53701
(608) 266-1370

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published Maps

Date of Collection: 1974

Date of Publication: 1974

Detail: 15 Sectional Maps at 1:500,000
19 City Maps at 1:125,000

Aggregation: Statewide coverage; divided into 15 partially overlapping regions. 19 major cities are mapped. An alphabetical listing of over 14,000 place names and geographic information.

Quality:

Timeliness: Current as of 1974

Sources: USGS topographic maps; DOT county road maps. Maps prepared by UW Cartographic Laboratory.

Textual Description: The 15 Sectional Maps in the Atlas of Wisconsin show latitude-longitude, 100 foot contours, forested areas, streams, Public Land Survey lines, highways, cities and villages, and place names. The 18 City Maps show developed areas, major streets and highways, and major place names. The Gazetteer includes over 14,000 place names along with type of place or feature, latitude-longitude, and location on Sectional Maps.

Contact for Purchase:

University of Wisconsin Press
Box 1379
Madison, Wisconsin 53701
(608) 262-4928

Contact for Information:

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
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Green Lake
Iowa
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La Crosse
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Richland
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Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GENERAL MAPS
Section: General Sources
Data type: Unpublished Maps

Date of Collection: 1974 - Present

Date of Publication: Current file

Detail: 1:62,500

Columbia

Dane

Aggregation: County maps on single mylar sheets

Quality: Maps should meet National Map Accuracy Standards

Timeliness: Usually the most current county maps available.

Jefferson

Sources: USGS 15-minute quadrangle maps, DLAD county base maps.

Textual Description: The Wisconsin Geological and Natural History Survey is presently producing planimetric base maps for Wisconsin counties at the rate of about 2-3 maps per year. These maps are Lambert Conformal Conic projections. They are based on the Wisconsin State Plane Coordinate System (with 4,000 foot grid lines). Map features include latitude-longitude and State Plane Coordinate tick marks, roads, surface waters, Public Land Survey lines, urbanized area boundaries, and place names. Portions of the map compilation are being undertaken by the UW Cartographic Laboratory. Completed maps can be made available as ozalid paper copies or mylar copies.

Ozaukee

St. Croix

Contact for Purchase:

-or-

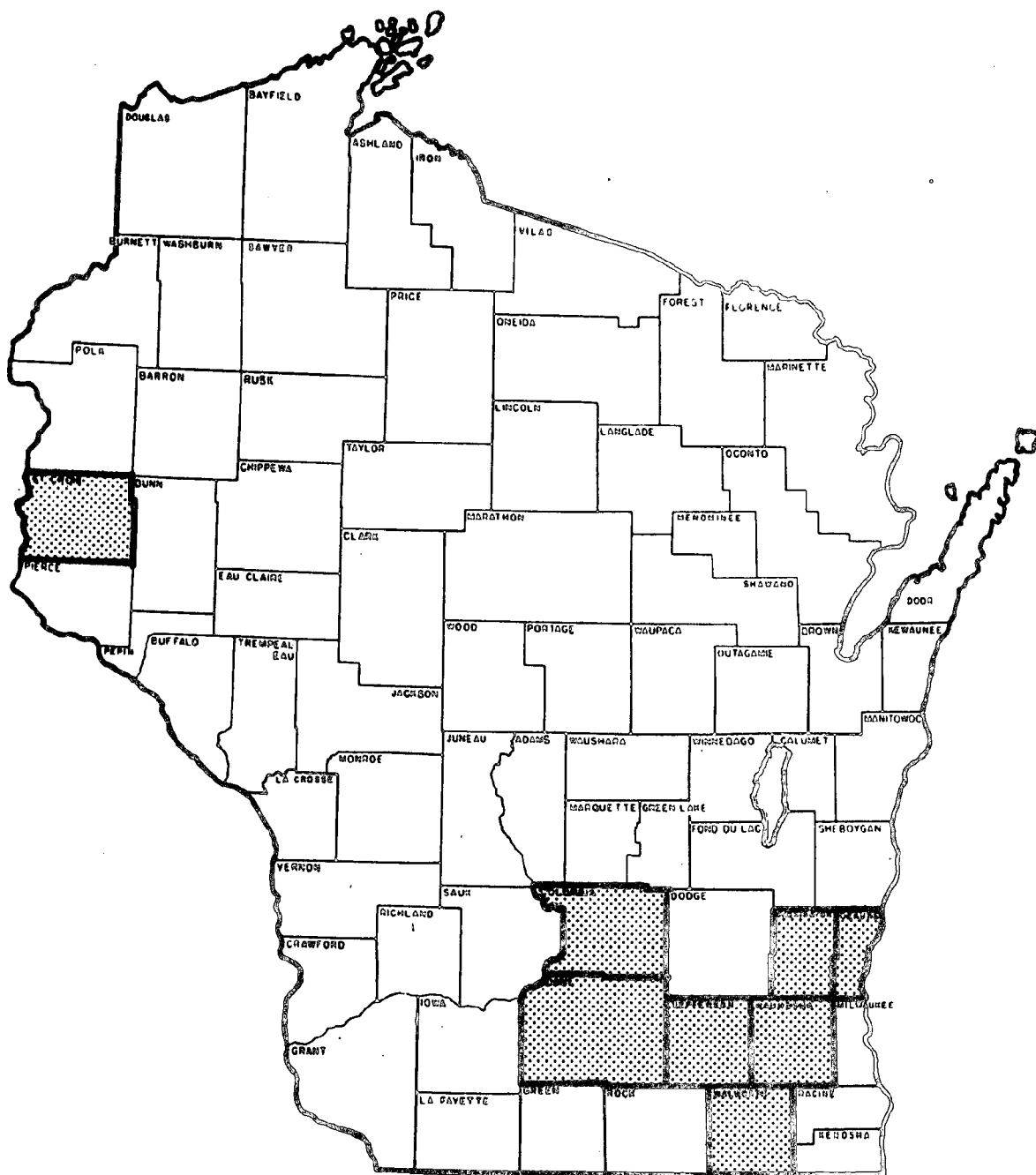
Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Walworth

Washington
Waukesha

WGNHS COUNTY BASE MAPS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GENERAL MAPS
Section: General Sources
Data type: Unpublished maps

Date of Collection: 1961 - present

Date of Publication:

Detail: Compiled at 1:24,000 (individual township maps), except Door and Walworth Counties (compiled at 1:12,000). County base maps at 1:63,360 scale.

Aggregation: Township maps and county maps.

Quality: Usually the best maps available for entire counties.

Timeliness: Some cultural features are out of date on older maps. Some maps have been updated.

Sources: USGS quadrangle maps, DOT highway records, Secretary of State's office.

Textual Description: The DLAD Drafting Section prepares county base maps for regional planning commissions and local governments throughout the State. Individual township maps and county maps are prepared from mosaics of USGS quadrangle maps. DOT highway records are used to delineate roads, airports, and railroads. USGS quadrangle maps are used to delineate drainage. Secretary of State's office records are used to identify corporate boundaries. Many of the original maps have been sent to regional planning commissions and are no longer available from DLAD. Copies of maps are available on paper (diaz prints) or on polyester film.

Contact for Purchase:

Contact for Information:

Drafting Section
Department of Local Affairs
and Development
123 W. Washington Avenue
Madison, Wisconsin 53702
(608) 266-3533

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford

Door
Douglas
Dunn
Eau Claire

Fond du Lac
Forest
Grant
Green

Iowa
Iron

Jefferson
Juneau

La Crosse
Lafayette
Langlade
Lincoln

Marathon

Menominee

Oneida
Outagamie

Pepin
Pierce
Polk
Portage
Price

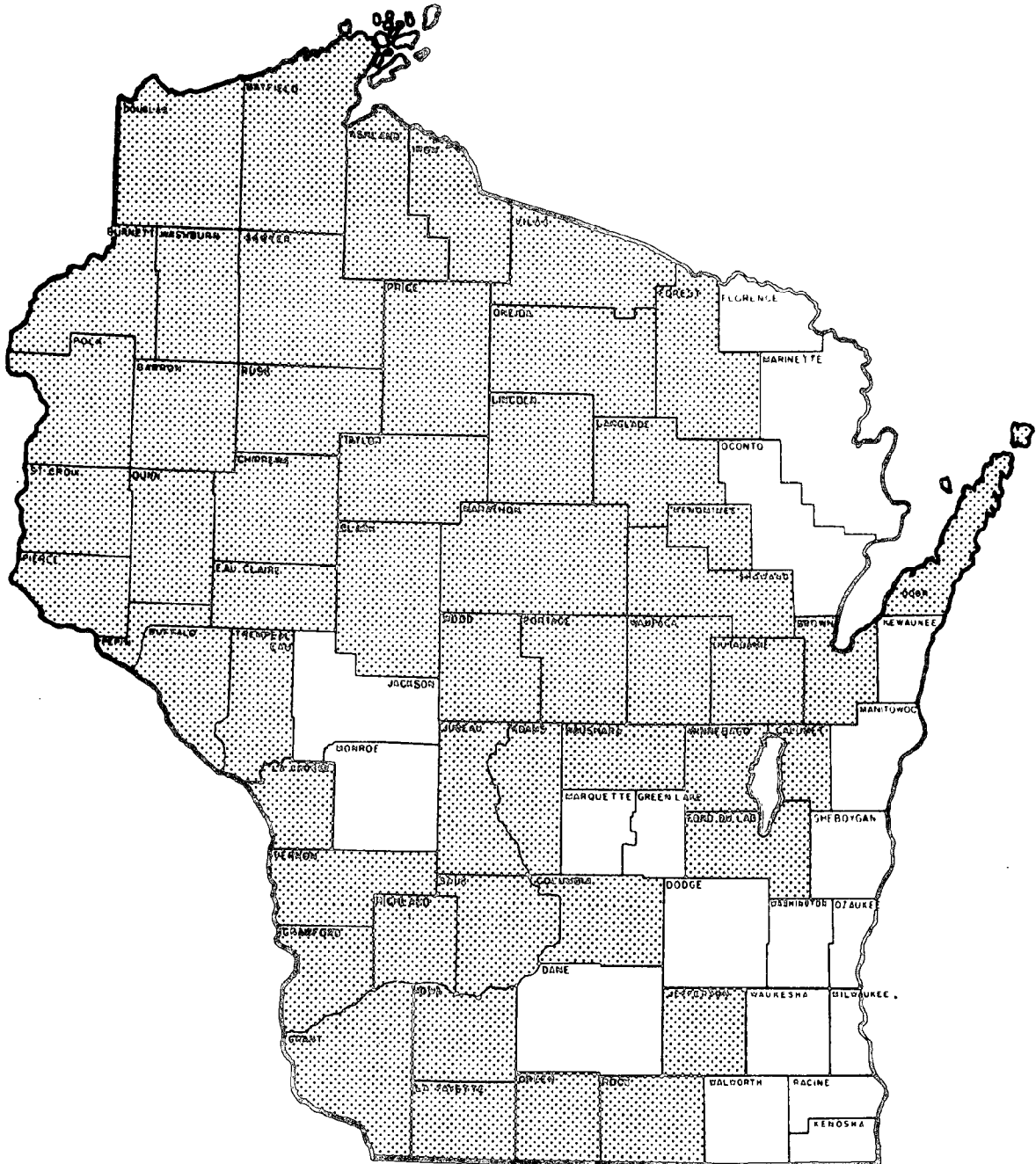
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano

Taylor
Trempealeau
Vernon
Vilas

Washburn

Waupaca
Waushara
Winnebago
Wood

DLAD COUNTY BASE MAPS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GENERAL MAPS
Section: General Sources
Data type: Unpublished maps

Date of Collection: 1966 - 1975

Date of Publication: 1967 - 1975

Detail: Varies: Ranges from 1:4,800 for villages, cities or unincorporated places, 1:12,000 to 1:24,000 for townships, 1:12,000 to 1:96,000 for counties, 1:63,360 to 1:500,000 for region.

Aggregation: Varies, ranges from villages, cities and unincorporated places, to the entire region. Information collected for units as small as a quarter section.

Quality: Detailed maps developed by trained professionals.

Timeliness: Up to date except in areas of rapid change. Many base maps are updated continuously to reflect changes.

Sources: USGS, DOT, DLAD, aerial photography, field surveys.

Textual Description: Regional base maps are generally available from each regional planning commission. They are generally planimetric maps. The information shown usually includes roads, drainage, railroads, airports, county and municipal boundaries, town and range lines, etc. The maps are normally available for purchase. If that is desired contact the regional planning commission concerned.

Contact for Purchase:

Contact for Information:

Specific RPC

STATEWIDE

Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark

Crawford
 Dane

Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson

Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland

Rusk
 St. Croix

Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

REGIONAL BASE MAPS

<u>Regional Planning Commission</u>	<u>Date of Collection (C) Date of Publication (P)</u>	<u>Detail</u>	<u>Aggregation</u>	<u>Source</u>	<u>Comments</u>
Bay Lake RPC	1974 (P)	1:24,000-county maps.	By county	USGS 7 1/2 minute quad- rangle maps.	Redrafting and updating in progress.
Dane County RPC	1971 (P)	1:63,360-county maps.	By county	County Surveyor and USGS.	Base maps for towns, topographic maps at 1:2,000.
East Central Wis. RPC	1973-1974 (P)	1:125,000 regional; 1:63,360 or 1:24,000 counties.	Entire region and by county	DOT County highway maps Field surveys and local input.	Green Lake and Marquette County base maps done by ECWRPC.
Mississippi River RPC	1967 (P)	1:63,360 counties; 1:24,000 townships.	By county, town- ships and selected detailed areas	USGS, air photos, DOT County highway maps.	Does not include Monroe and Jackson County, which will be done this year.
North Central Wis. RPC	1974 (P)	1:63,360 counties; 1:24,000 townships.	By county and by townships	DLAD	Maps compiled by DLAD.
Northwestern Wis. RF&DC		1:24,000 townships; 1:2,400 or 1:4,800 for many communities.	By township and incorporated areas	DLAD and USGS.	Township maps compiled by DLAD.
Southeastern Wis. RPC	1960-1975 (C)	1:12,000 townships; 1:24,000, 1:48,000 or 1:96,000 counties; 1:12,000, 1:24,000, 1:48,000, 1:63,360 or 1:96,000 watersheds; 1:96,000 or 1:126,720 regional.	By township, county, watershed, and region	Aerial photos; state local and county maps; USGS 7 1/2 minute quadrangles.	Updated annually for changes in MCD boundaries; updated every 5 years for changes in cultural features.
Southwestern Wis. RPC		1:24,000 townships; 1:4,800 villages, cities & unincorpor- ated places; 1:63,360 counties.	By township, county villages and cities, and most unincorpor- ated places	USGS maps, plat books.	
West Central Wis. RPC	1973-1974 (C,P)	1:63,360 counties; 1:24,000 townships; 1:4,800 selected incorporated areas, unincorp. areas & lake areas.	By county, township and selected incor- porated areas, unin- corporated areas and lake areas.	Drafted by DLAD	Maps available from WCRPC.
Green Bay/Brown County PC	1970-	City of Green Bay- 1:4,800 or 1:9,600 or 1:24,000; 1:12,000-townships; 1:4,800-Urban Areas; 1:63,360-Counties.	By county, township, cities, villages and some unincorporated places.	USGS maps, air photos, plat books	These base maps are continually updated.

[illegible]

State Planning Office
Department Of Administration

WISCONSIN LAND RESOURCES DATA INVENTORY

1.1.7

USGS 15 MINUTE PLANIMETRIC QUADRANGLE MAPS (1:48,000)

1.1.7

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published Maps

Bayfield

Date of Collection: 1939 - 1952

Date of Publication: 1939 - 1952

Chippewa

Detail: Scale is 1:48,000. Maps have no topographic contour lines.

Douglas

Aggregation: Each map is 15 x 15 minutes latitude-longitude (about 17 x 12 miles). Maps are identified by the name of a principle feature within the area. Adjoining quadrangle maps are indicated on map boundaries. See map index.

Florence

Forest

Quality: Maps meet National Map Accuracy Standards.

Iron

Timeliness: Planimetric maps are no longer compiled, although existing maps are still printed. Topographic maps will eventually replace this series.

Sources: Ground control is from USGS and USC&GS horizontal control stations. Aerial photography is flown by USGS.

Langlade
LincolnMarathon
Marinette

Textual Description: USGS Planimetric Quadrangle maps show roads and railroads, villages and cities, drainage, U.S. Public Land Survey lines, and horizontal ground control stations. Maps are polyconic projections. Some areas have either 7-1/2 minute topographic quadrangle maps or orthophotomaps available along with the 15-minute planimetric maps. Topographic quadrangle maps compiled at 1:62,500 or 1:24,000 scale are originally plotted on planimetric base maps and planimetric maps at these scales are often available on special request. See the following map index for areas covered by planimetric maps.

Menominee

Oconto
Oneida

Price

Rusk

Sawyer
Shawano

Contact for Purchase:

-or-

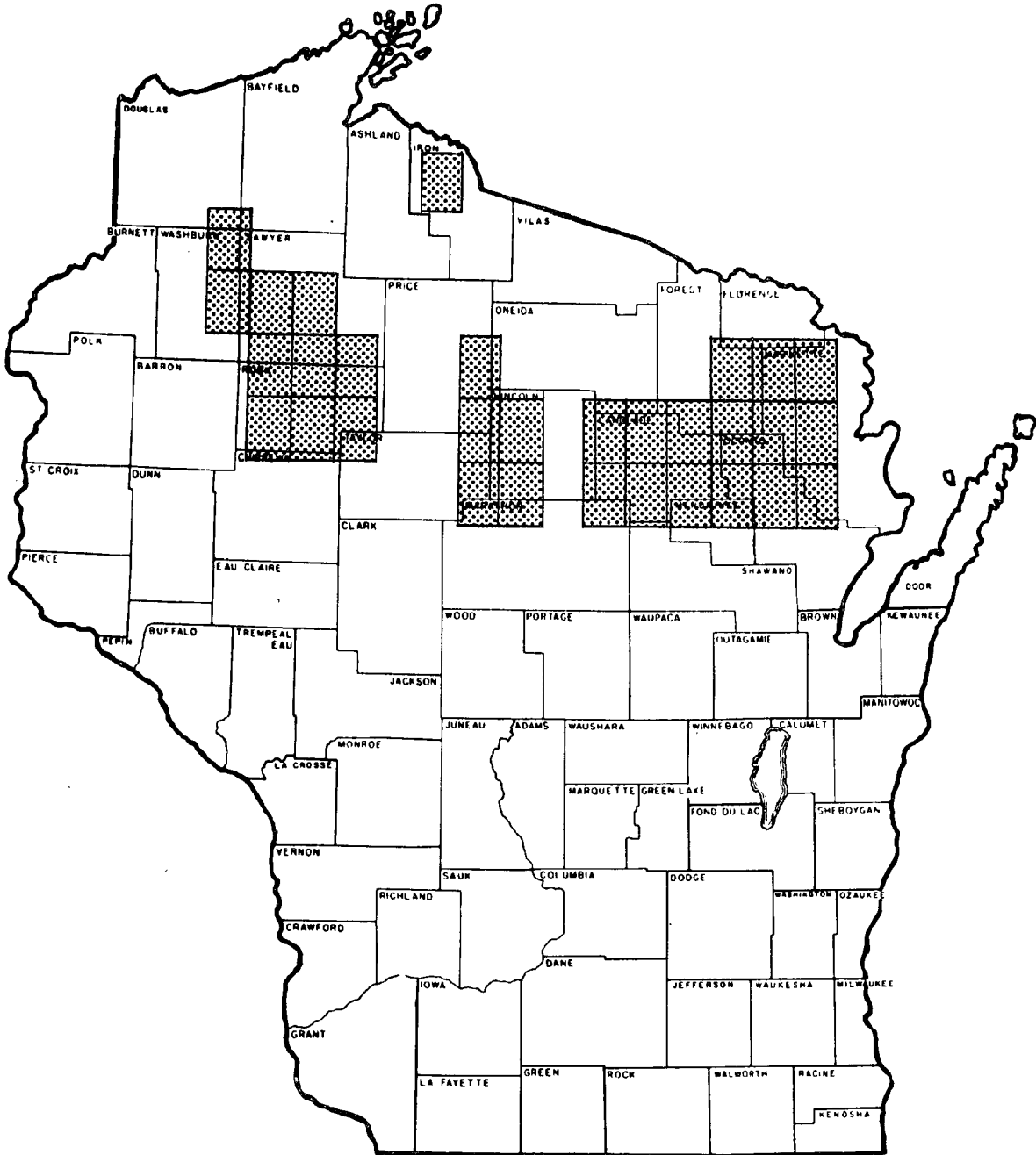
Contact for Information:

Taylor

Wis. Geological & Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706 (608) 262-1705
or
Topographic Division
U.S. Geological Survey
Box 133
Rolla, Missouri 65401

Washburn

USGS 15 MINUTE PLANIMETRIC QUADRANGLE MAPS (1:48,000)



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published Maps

Date of Collection: Continuous

Date of Publication: Published annually, reflecting conditions on January 1 of each year.

Detail: 1:31,680 for village and town highway maps.
1:63,360 or 1:126,720 (1" = 2 mi.) for county highway maps.
County maps also available on 8-1/2" x 11" sheets at various scales.

Aggregation: Statewide by county, village or town

Quality: Most accurate available road maps

Timeliness: Republished annually with updates

Sources: Aerial photographs and field reports

Textual Description: The DOT publishes highway maps for each county in Wisconsin as well as for each municipality (approx. 1850). These maps show all roads, by type of pavement (state and county roads only) and designation (highway, town road, etc.). Also included are municipal and county boundaries, schools, hospitals, parks, lakes, rivers, forests, etc. A map for the entire state also exists which shows the highways throughout the state. This map shows state highways and certain county highways but not all county roads and no town roads.

Contact for Purchase:

Document Sales
Wisconsin Department of Transportation
P.O. Box 40
Madison, Wisconsin 53701
(608) 266-1591

Contact for Information:

Department of Transportation
Area Offices

or

County Clerk

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published maps

Date of Collection: 1964 - 1968. Base maps are updated every two years.

Date of Publication: 1965 - 1968.

Detail: Scale is 1:126,720 (1" = 2 mi.). Base maps are DOT County Highway Maps.

Aggregation: Individual county maps for the entire state.

Quality: The most detailed maps available with statewide coverage for Census areas and boundaries.

Timeliness: Up to date in almost all cases.

Sources: DOT, U.S. Bureau of the Census

Textual Description: The Wisconsin DOT publishes County Highway Maps for each county, showing civil towns, incorporated places and boundaries, roads, drainage, parks, etc. Superimposed on these maps are enumeration districts and district numbers, and census tracts and tract numbers, compiled by the US Bureau of the Census. A State map is also available at 1:1,267,200 (1" = 20 mi.) scale, showing all counties, minor civil divisions, incorporated places and unincorporated places (over a certain minimum size) in the State. This map is useful as a reference to the geographic locations of other more detailed maps.

Contact for Purchase:

Contact for Information:

Department of Administration
 Census Clearinghouse
 Room B-135
 1 West Wilson Street
 Madison, Wisconsin 53702
 (608) 266-1927

or Department of Transportation
 Division of Planning, 9th Floor
 4802 Sheboygan Avenue
 Madison, Wisconsin 53702
 (608) 266-3661

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published maps

Date of Collection: 1965 - 1969

Date of Publication: 1970

Detail: Scale is 1:24,000. Over 100 maps for the larger metropolitan areas in Wisconsin.

Aggregation: One or more maps for each metropolitan area.

Quality: Maps are field corrected.

Timeliness:

Sources: US Dept. of Commerce, Bureau of the Census; individual cities.

Textual Description: The US Bureau of the Census produces Metropolitan Area Maps for urbanized areas throughout the nation. These areas account for the majority of data collected in the 1970 Census. The maps are based on the Wisconsin State Plane Coordinate System. Many Census areas are indicated on these maps: congressional districts, minor civil divisions, counties, 1960 and 1970 incorporated area boundaries, wards, blocks and block numbers, enumeration districts and district numbers. Other map features include: roads, streams and lakes, transmission lines, and state plane coordinate tick marks.

Contact for Purchase:

Contact for Information:

Department of Administration
Census Clearinghouse
Room B-135
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-1927
or U.S. Department of Commerce
Bureau of the Census
Geography Division
Washington, D.C.

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Wausara
Winnebago
Wood

Subsection: GENERAL MAPS

Section: General Sources

Data type: Published and unpublished maps

Date of Collection: 1965 - 1968

Date of Publication:

Detail: Scales vary from 1:2,400 to 1:12,000. Maps available for all incorporated places throughout the state.

Aggregation: Individual maps for each incorporated place.

Quality: The most detailed maps available for indicating Census areas and boundaries. Maps are variable in detail and accuracy, however.

Timeliness:

Sources: US Dept. of Commerce, Bureau of the Census; DOT; counties; individual incorporated places.

Textual Description: The US Bureau of the Census produces Place Maps for 1970 incorporated places throughout the state. The maps are compiled and drafted by various agencies, and as a result the detail, scale and reproducibility may be quite variable. Many types of Census areas and related geographical features are indicated on these maps: corporate limits of places, enumeration districts, tracts and tract identifiers, blocks and block identifiers, streets and street names, railroads, and streams lakes.

A State map is also available at 1:1,267,200 (1" = 20 mi.). scale, showing all counties, minor civil divisions, incorporated places and unincorporated places (over a certain size) in the State. This map also shows latitude-longitude and Wisconsin State Plane Coordinate tick marks.

Contact for Purchase:

Contact for Information:

Department of Administration
Census Clearinghouse
Room B-135
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-1927

or U.S. Department of Commerce
Bureau of the Census
Geography Division
Washington, D.C.

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GENERAL MAPS
Section: General Sources
Data type: Published Maps

Date of Collection: 1974

Date of Publication: 1974 (updated every 6 months)

Detail: 1:500,000, contour intervals 500 feet

Aggregation: Statewide - 2 maps cover entire state. One map is for the Chicago section and one is for the Green Bay section.

Quality:

Timeliness: Up-to-date. New edition published every 6 months.

Sources: Federal Aviation Commission, Dept. of Defense and Dept. of Commerce Interagency Air Cartographic Committee

Textual Description: The Sectional Aeronautical Charts are maps which show the locations of all airports (aerodromes), types of facilities, ownership, (civilian or military) types of tower facilities, elevation, the runway lengths and the type of lighting. Radio aids to navigation are also shown, by type. Airspace information (control zones, parachute jumping areas, controlled airspace) is also included. Major obstructions are shown, along with miscellaneous features such as power transmission lines, rotating lights, etc. Natural features, roads, railroads, municipalities, and significant features that can be used for landmarks are also included.

Contact for Purchase:

Contact for Information:

Local Federal Aviation
Administration
Coordinator

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
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Pierce
Polk
Portage
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Racine
Richland
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Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

1.2.1 USGS 7-1/2 MINUTE TOPOGRAPHIC QUADRANGLE MAPS (1:24,000)

1.2.1

Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Published maps

Date of Collection: 1944 - present

Date of Publication: 1944 - present

Detail: Scale is 1:24,000. Topographic contours are in 10 foot intervals.

Aggregation: Each map is 7-1/2 x 7-1/2 minutes latitude-longitude (about 9 x 6 miles). Published maps are identified by the name of a principle feature within the area. Adjoining published quadrangles and 15-minute quadrangles are indicated on map boundaries.

Quality: This is the largest scale published in the USGS topographic map series. Maps meet National Map Accuracy Standards.

Timeliness: Mapping for the remaining portions of the state is in progress.

Sources: Ground control information is obtained from and surveyed by USGS and USC&GS. Aerial photography is flown by USGS just prior to mapping.

Textual Description: Quadrangle maps show 10 foot contour lines, roads and railroads, villages and cities, surface water and related structures, forests and wetlands, U.S. Public Land Survey lines; more recent maps show tick marks for latitude-longitude, state plane coordinates, and Universal Transverse Mercator grid coordinates. Maps are polyconic projections. A booklet describing topographic symbols and maps, and a topographic map index are available on request. State Map Indexes for published quadrangles are compiled annually, and index maps of advance material are compiled quarterly; both are available on request. Manuscript copies at 1:24,000 scale are also available for many areas having maps published only at 1:62,500 scale (see map indexes for advance material).

Contact for Purchases:

-or-

Contact for Information:

Wisconsin Geological & Natural History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706 (608) 262-0586
or
Topographic Division
U.S. Geological Survey
1400 Independence Lane
Rolla, Missouri 65401

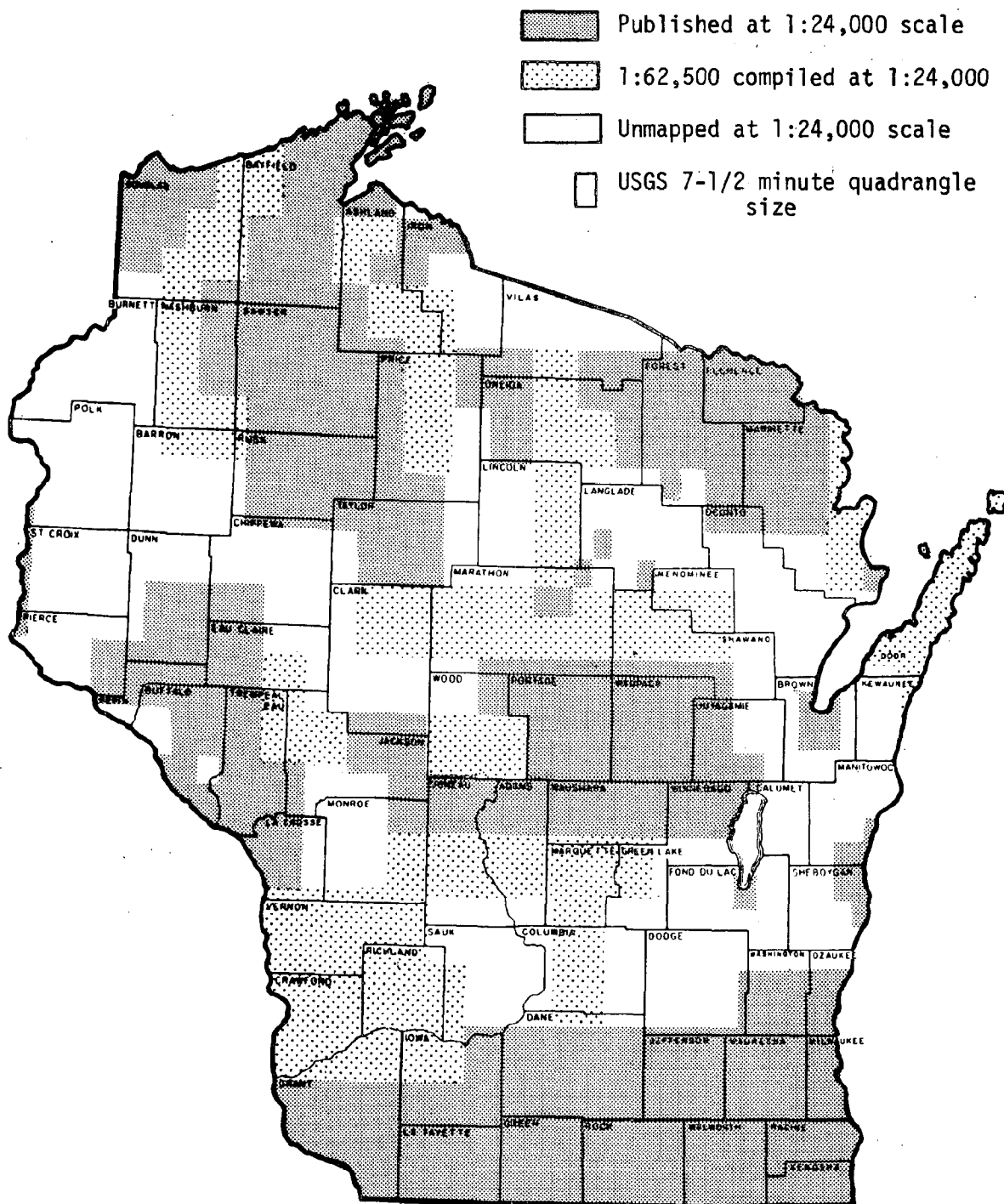
STATEWIDE

Adams
Ashland
Barron
Bayfield
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Buffalo

Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
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Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

STATUS OF 1:24,000 TOPOGRAPHIC MAPPING IN WISCONSIN, USGS, JUNE 1976



WISCONSIN State Planning Office
Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Published Maps

Date of Collection: 1926 - 1968

Date of Publication: 1926 - 1968

Detail: Scale is 1:62,500. Topographic contours are in 20 foot intervals.

Aggregation: Each map is 15 x 15 minutes latitude-longitude (about 17 x 12 miles). Maps are identified by the name of a principle feature within the area. Adjoining quadrangle maps are indicated on map boundaries.

Quality: Maps meet National Map Accuracy Standards.

Timeliness: State coverage is not complete, and will not be completed at this map scale in the future.

Sources: Ground control information obtained from and surveyed by USGS and USC&GS. Aerial photography is flown by USGS just prior to mapping.

Textual Description: USGS 15 minute quadrangle maps show 20 foot contour lines, roads, railroads, villages and cities, drainage and related features, forest and wetlands, US Public Land Survey lines, horizontal and vertical control stations, and more recent maps show tick marks for latitude-longitude, state plane coordinates, and UTM grid coordinates. Maps are polyconic projections. Some areas have both 7-1/2 minute and 15 minute quadrangle maps available. A booklet describing topographic map symbols and maps, and a topographic map index are available on request. Maps compiled at 1:62,500 scale were originally plotted at 1:24,000 scale, and are available at the 1:24,000 scale upon special request for advance materials.

Contact for Purchase:

-or-

Contact for Information:

Wis. Geological and Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706 (608) 266-1705
or
Topographic Division
U.S. Geological Survey
Box 133
Rolla, Missouri 65401

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire

Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette

Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk

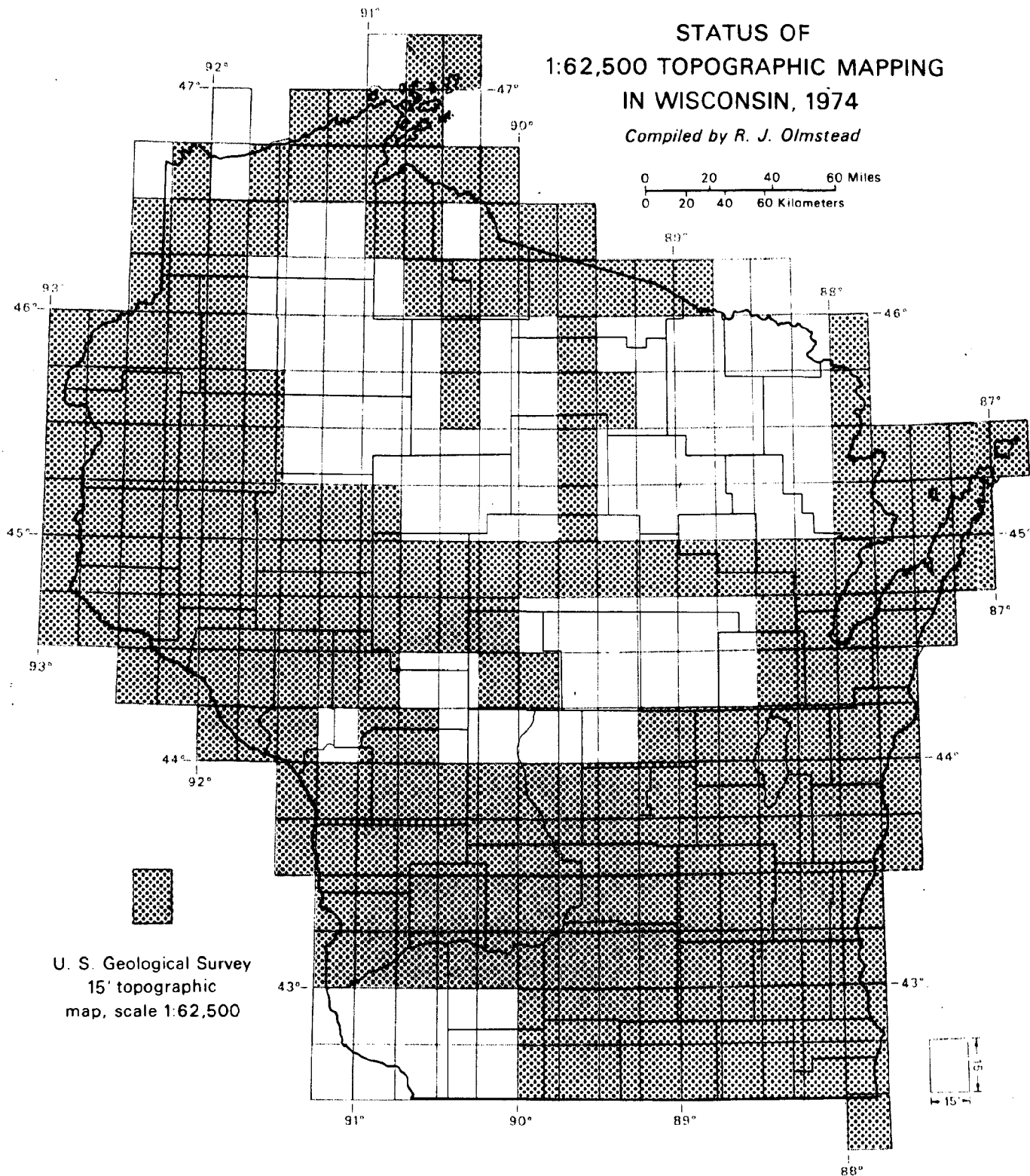
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha

Winnebago
Wood

STATUS OF 1:62,500 TOPOGRAPHIC MAPPING IN WISCONSIN, 1974

Compiled by R. J. Olmstead

0 20 40 60 Miles
0 20 40 60 Kilometers



Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Published Maps

Date of Collection: 1953-1959 limited revision 1963-1968

Date of Publication: 1953 - 1968

Detail: 1:250,000, contour intervals are 50 feet.

Aggregation: Statewide coverage contained on 19 map sections--includes part of Illinois, Michigan, Iowa and Minnesota.

Quality: More detailed topographic information is available on USGS Quadrangle Map Series.

Timeliness: Some information such as urban areas, airports, wetlands, etc., may be out of date.

Sources: U.S. Army Map Service, U.S. Army Corps of Engineers, USGS

Textual Description: The early issues of the National Topographic Map Series were prepared by the Army Map Service for military requirements. These maps, which cover the coterminous United States, are now maintained and published by USGS. Maps are transverse mercator projections. The map shows natural features (lakes, rivers, etc.), populated places, railroads, boundary lines, roads, by type, topography, airports, power lines, landmarks, etc. The map uses the 100,000 foot grids based on Wisconsin State Plane Coordinate system and also shows latitude-longitude and the Public Land Survey numbers.

Contact for Purchase:

Wisconsin Geological & Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1075

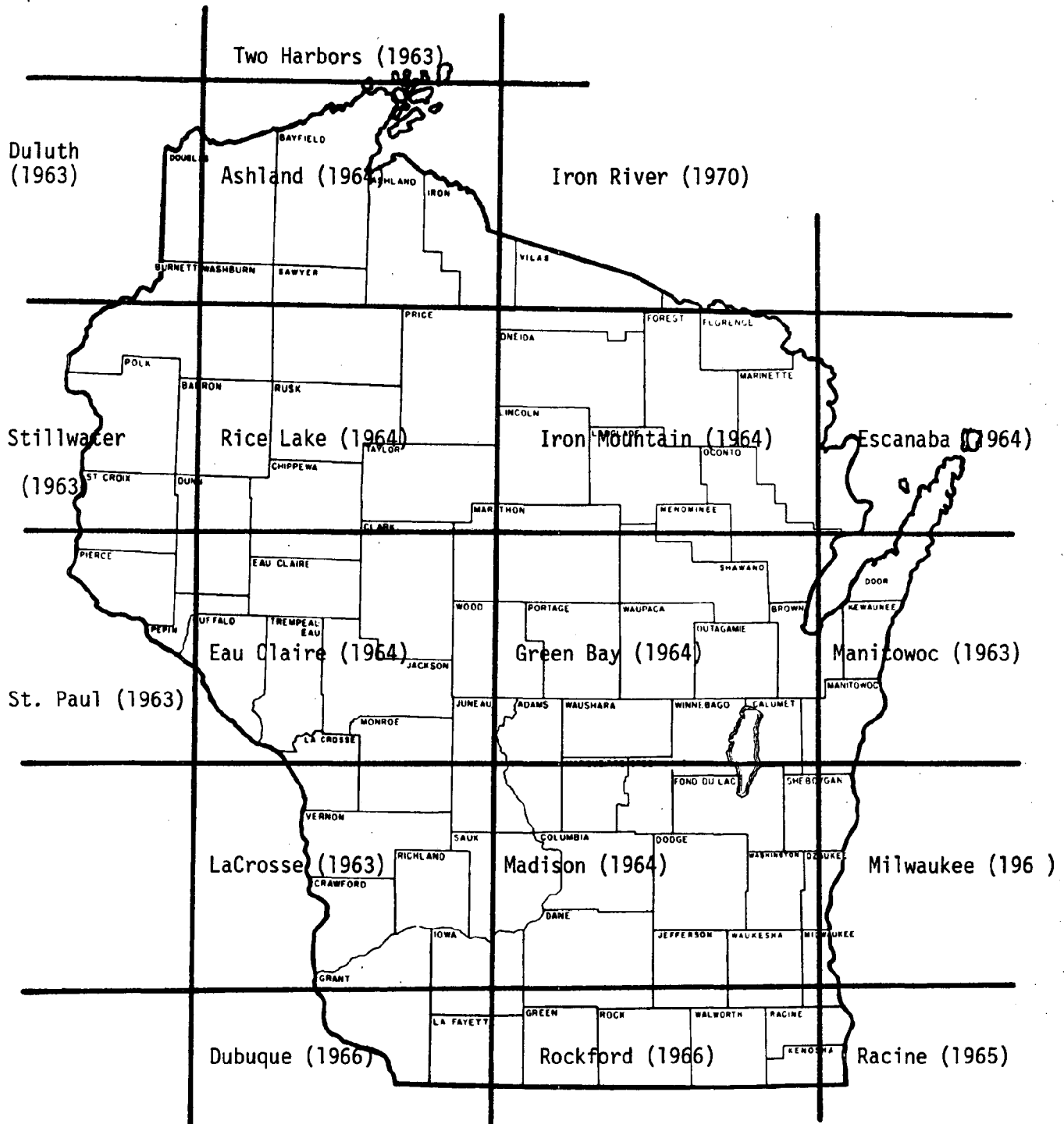
Contact for Information:

University of Wisconsin
Map and Air Photo Library
Science Hall
Madison, Wisconsin 53706
(608) 262-1471

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

1:250,000 NATIONAL TOPOGRAPHIC MAP SERIES



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Unpublished Maps

Date of Collection: 1965 - 1972

Date of Publication: 1965 - 1972

Detail: Map scales at 1:1,200 or 1:2,400 with 2 ft. and 4 ft. contour intervals.

Aggregation: Large scale maps cover full sections (1 sq. mi.), quarter sections for selected areas of the region.

Quality: All maps meet National Map Accuracy Standards.

Timeliness: Maps are some of the most recent sources available.

Kenosha

Sources: Maps compiled or contracted by SEWRPC, DOT, individual counties, municipalities.

Textual Description: These maps have been prepared by photogrammetric methods utilizing a unique system of horizontal control based upon the U.S. Public Land Survey system, as well as upon the national geodetic datum. This control system requires the relocation and permanent monumentation of all section and quarter-section corners in the area to be mapped. The finished maps, in addition to showing the usual contour information, spot elevations, planimetric and hydrographic detail, and coordinate grid ticks, show, in their correct position and orientation, all quarter-section lines and corners established in the fields surveys.

Milwaukee

Ozaukee

The SEWRPC also maintains a collection of topographic maps for the region which are compiled by other agencies.

Racine

All maps are reproducible on paper and state polyester film, and are available for purchase.

Contact for Purchase:

-or-

Contact for Information:

Southeastern Wisconsin Regional
Planning Commission
916 North East Avenue
Old Court House
Waukesha, Wisconsin 53186
(414) 547-6721

Walworth

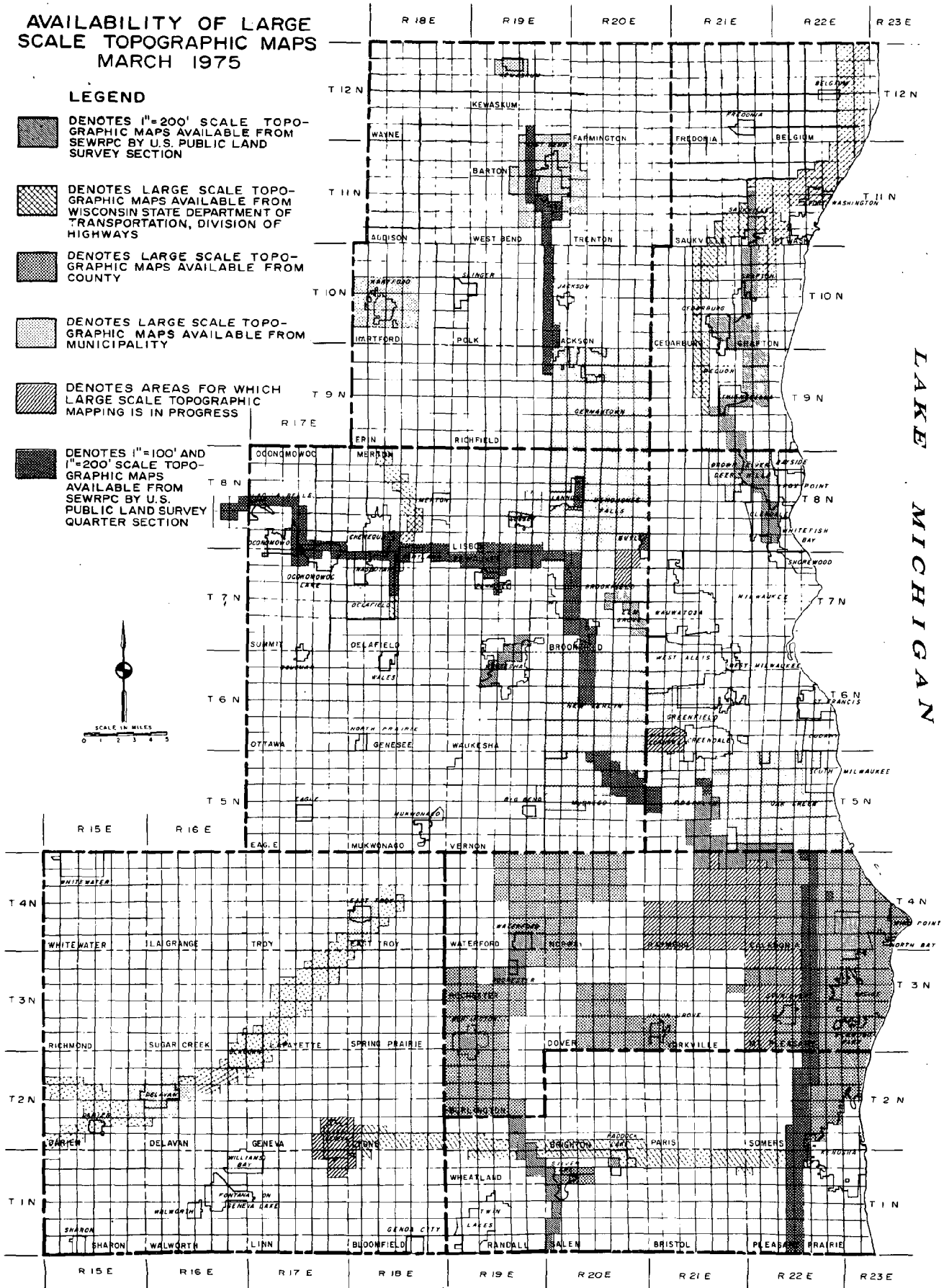
Washington
Waukesha

SEWRPC TOPOGRAPHIC MAPS

AVAILABILITY OF LARGE SCALE TOPOGRAPHIC MAPS MARCH 1975

LEGEND

-  DENOTES 1"=200' SCALE TOPOGRAPHIC MAPS AVAILABLE FROM SEWRPC BY U.S. PUBLIC LAND SURVEY SECTION
-  DENOTES LARGE SCALE TOPOGRAPHIC MAPS AVAILABLE FROM WISCONSIN STATE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS
-  DENOTES LARGE SCALE TOPOGRAPHIC MAPS AVAILABLE FROM COUNTY
-  DENOTES LARGE SCALE TOPOGRAPHIC MAPS AVAILABLE FROM MUNICIPALITY
-  DENOTES AREAS FOR WHICH LARGE SCALE TOPOGRAPHIC MAPPING IS IN PROGRESS
-  DENOTES 1"=100' AND 1"=200' SCALE TOPOGRAPHIC MAPS AVAILABLE FROM SEWRPC BY U.S. PUBLIC LAND SURVEY QUARTER SECTION



Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Unpublished Maps

Date of Collection: 1956 - present

Date of Publication: Current files

Detail: Scales vary from 1:600 to 1:4,800. Contour intervals vary from 2 to 5 feet.

Aggregation: Filed by county. Current file index is a notebook of 8 1/2" x 11" county road maps indicating mapped areas, map file numbers, and agency responsible for mapping. See map for counties with partial coverage.

Quality: Generally excellent. Mapping is of limited use for regional analysis due to narrow geographic coverage along highways.

Timeliness:

Sources: DOT large scale aerial photography, or private firms contracted by DOT.

Textual Description: All DOT topographic mapping is oriented along highways or proposed highway corridors. Map coverage is formatted either along section (Public Land Survey) lines or along highway corridors. Maps are available on diazo prints or on mylar at various scales.

Ashland
Barron
Bayfield
Brown
Buffalo

Chippewa
Clark
Columbia
Crawford
Dane
Dodge

Douglas
Dunn
Eau Claire

Fond du Lac
Forest
Grant

Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha

La Crosse
Lafayette

Lincoln
Manitowoc
Marathon

Marquette

Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Papin
Pierce
Polk
Portage
Price
Racine
Richland
Rock

St. Croix
Sauk

Shawano
Sheboygan
Taylor
Trempealeau
Vernon

Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

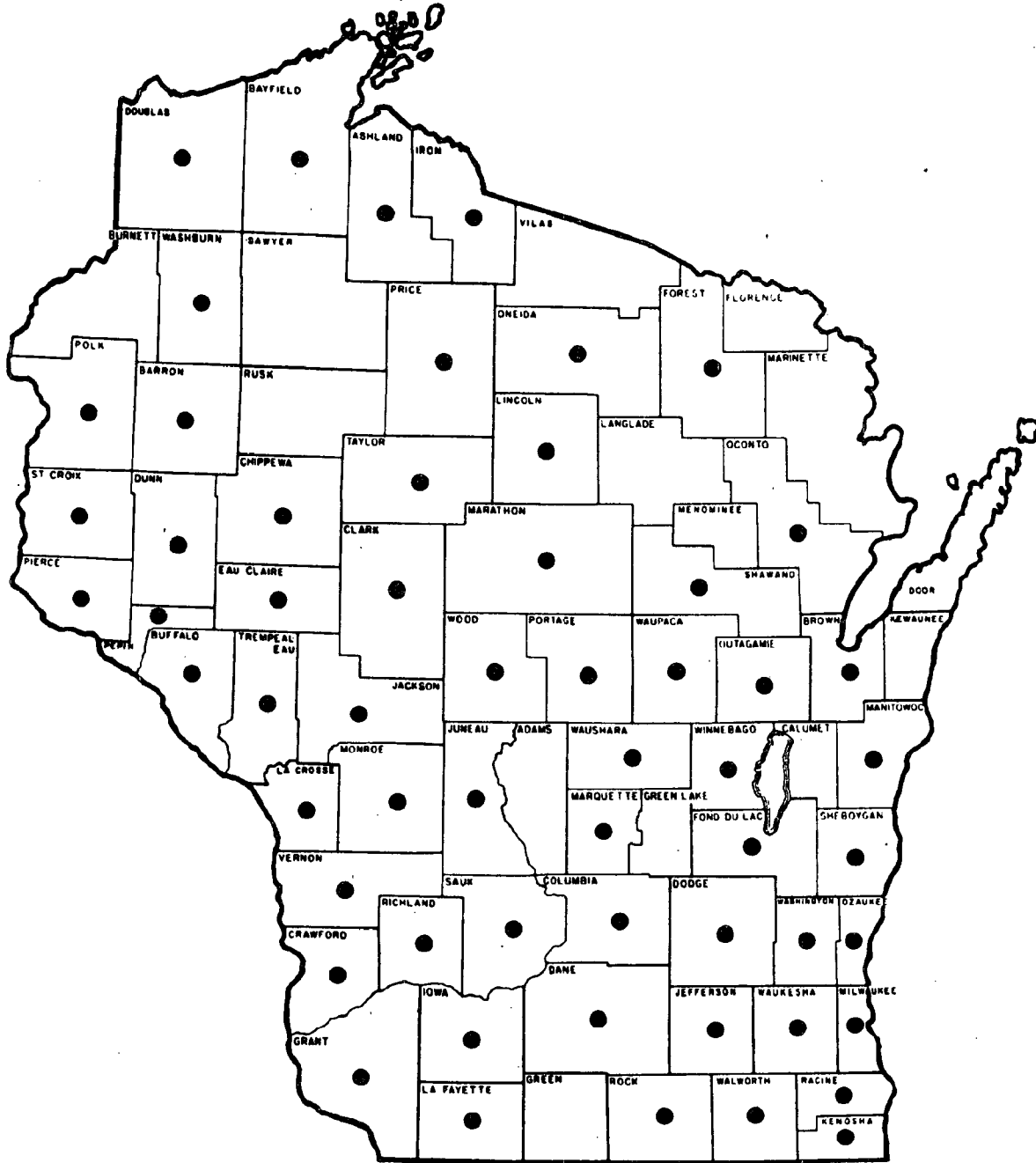
Contact for Purchase:

-or-

Contact for Information:

Department of Transportation
Engineering Services
Hill Farms State Office Building
4802 Sheboygan Avenue
Madison, Wisconsin 53702
(608) 266-0075

DEPARTMENT OF TRANSPORTATION TOPOGRAPHIC MAPS
(partial county coverage)



WISCONSIN	State Planning Office
	Department Of Administration

Subsection: TOPOGRAPHIC MAPS

Section: General Sources

Data type: Published Tabular and Mapped

Date of Collection: Ongoing program

Date of Publication: 1963 - present

Detail: Includes first, second and third order data (varying accuracies) for horizontal and vertical control points. Horizontal control given in latitude-longitude or plane coordinates; vertical control given in feet above mean sea level.

Aggregation: Index maps (Geodetic Control Diagrams) at 1:250,000 scale cover entire state. Tabular listings of control data are aggregated into 30-minute quadrangle areas for USC&GS information; into 15-minute quadrangle areas for USGS information.

Quality: The most accurate and comprehensive set of control data available. First order control data is the most accurate available; third order control data is the least accurate.

Timeliness: This basic network of horizontal and vertical control data is enhanced in value as more areas are surveyed through time.

Sources: USC&GS, USGS

Textual Description: This horizontal and vertical control data is used as the reference for almost all additional land surveying by public and private concerns. The monumented stations in Wisconsin which are surveyed by USGS or USC&GS are tied into a national network of stations. The index maps indicate the locations of various types of surveyed monuments, measured base lines, triangulation lines, and traverse lines for both horizontal and vertical control. 15 minute and 30 minute quadrangle maps are available which show locations of USGS and USC&GS data. Published information is available for horizontal data and descriptions of monument locations, vertical data, and various other forms of the same information. The State Cartographer's Office in Wisconsin maintains a complete set of control data, and copies can be made available for the cost of duplication. Information regarding ground control data secured by other agencies may also be obtained from the State Cartographer's Office.

Contact for Purchase:

-or-

Contact for Information:

National Geodetic Survey
U.S. Dept. of Commerce
Rockville, Maryland
or
State Cartographer's Office
Science Hall, Room 144
University of Wisconsin
Madison, Wisconsin 53706
(608) 262-3065

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: AERIAL PHOTOGRAPHYSection: General SourcesData type: PhotographyDate of Collection: 1936 - present

- see map and index sheet

Date of Publication: 1936 - present

Detail: Most of the earlier photography was secured at 1:20,000 scale on black and white panchromatic film. Some was secured at larger scales and on black and white infrared film. Most of the photography taken after 1970 was secured at 1:40,000 scale on panchromatic film.

Aggregation: Statewide coverage. Photos are organized by county. Photo index sheets for each county are available for review at State and all county ASCS offices.

Quality: Generally excellent; almost always cloud-free coverage. Older photos may have poorer tonal quality and resolution.

Timeliness: Counties are usually photographed every seven years, but less often for the northern counties.

Sources: ASCS and its predecessor agency, Agricultural Adjustment Administration.

Textual Description: The USDA Agricultural Stabilization and Conservation Service secures aerial photography for several counties in the state each year, thereby obtaining statewide coverage every seven or more years. A variety of reproductions (contact prints, negatives, enlargements) are available for purchase through the Federal ASCS Photography Lab. Photo indexes and contact prints are available for review at the State ASCS office. Enlargements at 1:7,920 scale (1" = 660') are available for review at the county ASCS offices.

All photography secured prior to 1941 has been transferred to the National Archives; it is still available for purchase.

The following maps, legend and index sheet give the date, scale film type of the most recent photography available for each county, and a historical list of earlier photography. Order blanks for purchase of photos can be obtained upon request from the State ASCS office.

Contact for Purchase:

Western Aerial Photography Laboratory
Administrative Services Division
ASCS-USDA
2505 Parley's Way
Salt Lake City, Utah 84109
(801) 524-5856

Contact for Information:

U.S. Dept. of Agriculture
Agricultural Stabilization
and Conservation Service
4610 Hammersley Road
Madison, Wisconsin
County ASCS Offices
(608) 252-5301

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
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Green
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Iowa
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Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

STATUS OF AERIAL PHOTOGRAPHY COVERAGE
 Secured By: Agricultural Stabilization and Conservation Service
 U. S. Department of Agriculture
 December 31, 1974

SYMBOLS USED TO IDENTIFY COVERAGE

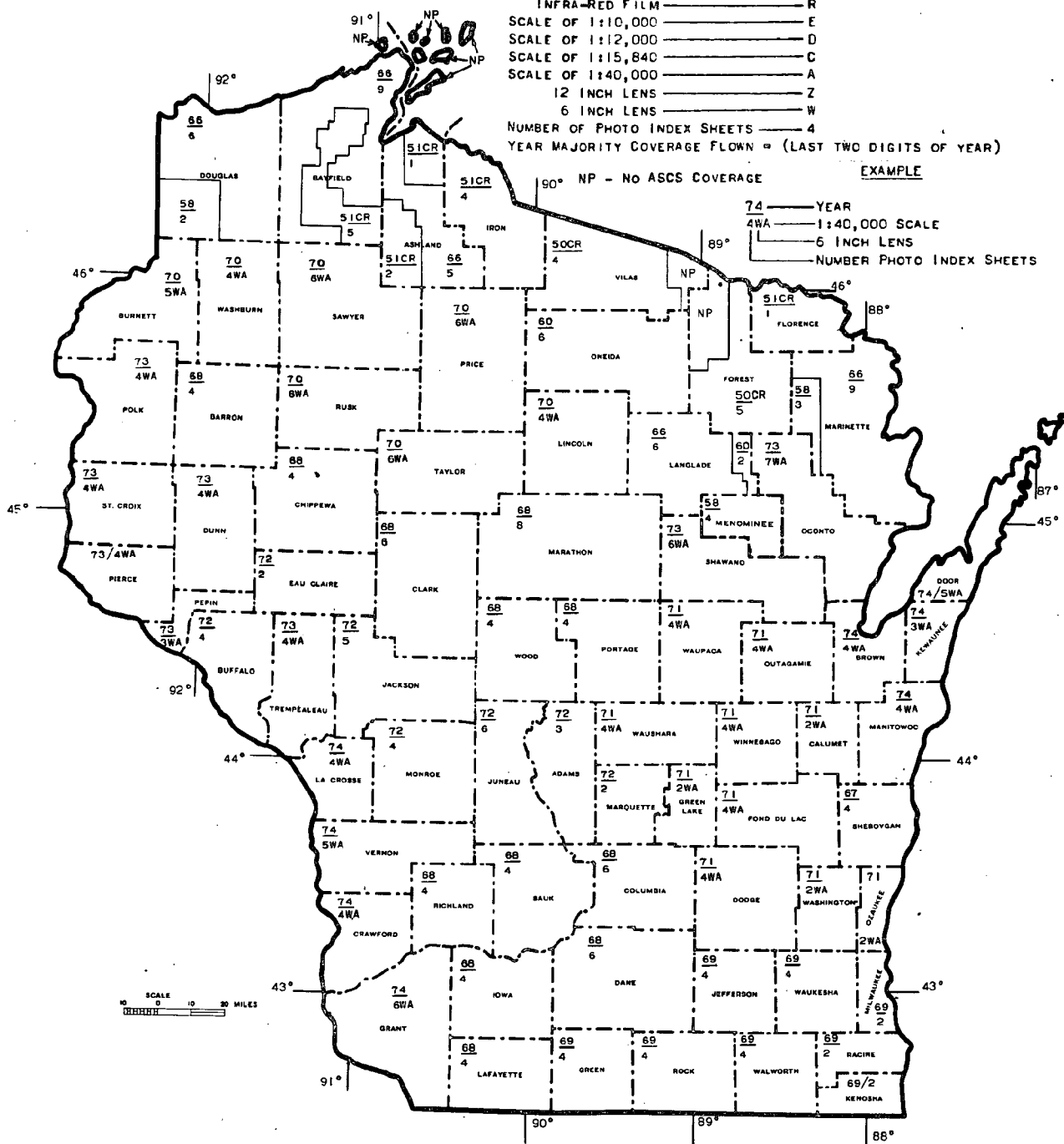
INFRA-RED FILM	_____	R
SCALE OF 1:10,000	_____	E
SCALE OF 1:12,000	_____	D
SCALE OF 1:15,840	_____	C
SCALE OF 1:40,000	_____	A
12 INCH LENS	_____	Z
6 INCH LENS	_____	W
NUMBER OF PHOTO INDEX SHEETS	_____	4

YEAR MAJORITY COVERAGE FLOWN = (LAST TWO DIGITS OF YEAR)

90° NP - NO ASCS COVERAGE

EXAMPLE

74	—	YEAR
4WA	—	1:40,000 SCALE
6	—	6 INCH LENS
3	—	NUMBER PHOTO INDEX SHEETS



ALL ASCS PHOTOGRAPHY SECURED AT A SCALE OF 1:20,000 WITH 8 1/4 INCH LENS AND ON PANCHROMATIC FILM UNLESS OTHERWISE NOTED.

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1938 - present

Date of Publication:

Detail: Scales vary -- 1:12,000 to 1:35,400. Focal length is 6", film type is usually black and white panchromatic, and film size is 9" x 9", usually with overlapping coverage for stereo viewing.

Aggregation: Statewide coverage. Over 90 flight missions have been made; photographs are indexed by individual flight mission and by topographic quadrangle unit.

Quality: Generally excellent. Photography is used by USGS to produce topographic maps.

Timeliness: Varies, depending on date of photography. This is an ongoing program.

Sources: USGS

Textual Description: The U.S. Geological Survey secures aerial photography for the production of topographic quadrangle maps, for photographic revision of existing maps, and for the production of orthophotographs. Photography is usually secured just prior to map production. Photo indexes are available for purchase for practically all USGS photography; they show the assemblies of prints in standard quadrangle units (7 1/2 minute or 15 minute). The geographical coverage of flights missions vary widely; consequently it is advisable to obtain photo indexes for the area of interest. Photographs are available for purchase on a variety of materials at various scales. Requests for purchase of photography should indicate the purpose for which photographs are desired, the specific area of interest (detailed sketch, latitude - longitude), the size of photographs and type of coverage.

Contact for Purchase:

-or-

Contact for Information:

Mid-Continent Mapping Center
U.S. Geological Survey
Box 133
Rolla, Missouri 65401

(314) 364-3680

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: AERIAL PHOTOGRAPHYSection: General SourcesData type: PhotographyDate of Collection: 1950 - present

- see map and accompanying list

Date of Publication: 1950 - presentDetail: Scales vary from 1:50,000 to 1:80,000. Lens focal length is 6 inches; film is black and white panchromatic.Aggregation: Statewide coverage except for east central Wisconsin.

Boundaries between individual flight missions do not usually coincide with political boundaries. Prints are available from USGS by referring to individual flight missions and specific geographic locations.

Quality: High altitude photography is of limited use for detailed interpretation and mapping.Timeliness: The majority of the coverage is only useful for historical studies (most of photography flown in 1950's).Sources: USGSTextual Description: The USGS holds the negatives to high altitude aerial photography covering approximately 95% of the state (as of 1974). Photo indexes and reproductions from the various flights are available for purchase. Contact prints, negatives, enlargements and other reproductions can be made. Orders for photography should state the purpose for which photography will be used, a clear description of the area of interest (map with latitude and longitude), the size of photographs and type of coverage. An informational pamphlet, Aerial Photographic Reproductions, is available free upon request.Contact for Purchase:

and

Contact for Information:

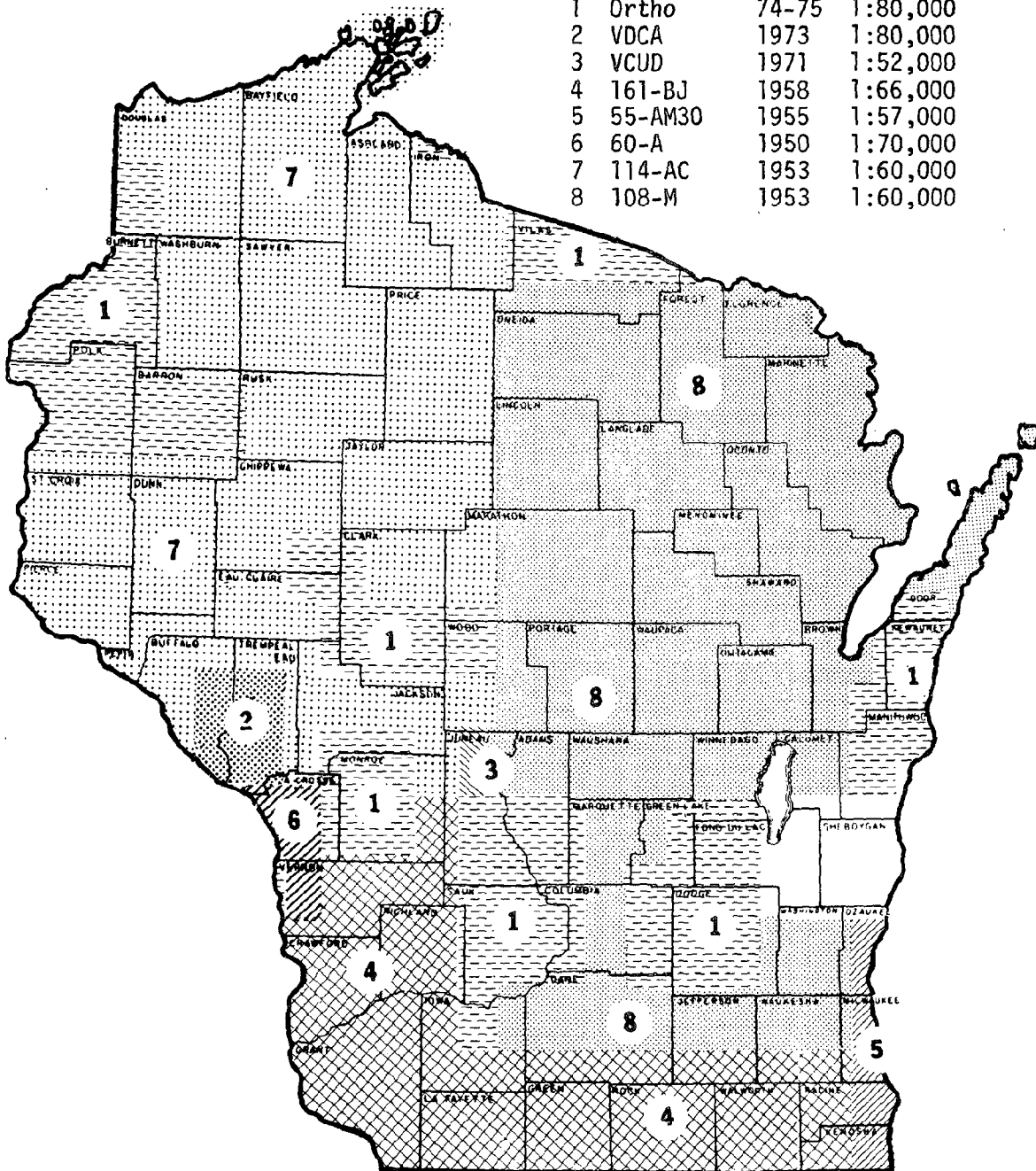
U.S. Geological Survey
 National Cartographic
 Information Center
 Mail Stop 507
 12201 Sunrise Valley Drive
 Reston, Va. 22092

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence

Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano

Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

NO.	Project Symbol	DATE	SCALE	Flight Direction
1	Ortho	74-75	1:80,000	N-S
2	VDCA	1973	1:80,000	N-S
3	VCUD	1971	1:52,000	N-S
4	161-BJ	1958	1:66,000	E-W
5	55-AM30	1955	1:57,000	N-S
6	60-A	1950	1:70,000	E-W
7	114-AC	1953	1:60,000	N-S
8	108-M	1953	1:60,000	E-W



State Planning Office
Department Of Administration

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Adams

Barron

Date of Collection: 1974

Burnett

Date of Publication: Ongoing program. Additional production scheduled.

Columbia

Detail: Produced at 1:24,000 scale in 7 1/2 minute quadrangle format.
Original aerial photography was secured at 1:70,000 to 1:80,000 scale.
Eventually 135 quadrangles will be produced.

Dane

Douglas

Aggregation: Available for limited portions of the State (presently available for part of South Central and Northwestern Wisconsin), in standard 7 1/2 minute quadrangle format. See map.

Quality: Positional accuracy meets National Map Accuracy Standards (same as USGS topographic maps). Photographic image provides an abundance of detail.

Iowa

Timeliness: Ongoing production.

Juneau

Sources: USGS aerial photography.

Textual Description: The USGS is presently producing orthophotoquads, which are photomosaics of scale-corrected aerial photography, in standard quadrangle format and related to a geodetic reference system. They have the same positional accuracy as that of a standard topographic map, and portray by photographic imagery an abundance of detail not found on conventional maps.

Marquette

A total of 135 quadrangles are scheduled for production (see map) in Wisconsin. Quadrangles which are presently available for purchase can be produced on diazo paper, on photographic paper or on stable film with a continuous tone image. Photographic paper or stable film is available only from USGS. The Wisconsin Geological and Natural History Survey stocks diazo prints of published orthophotoquads for purchase. When ordering orthophotoquads, refer to the published topographic map name or latitude and longitude for that area.

Polk

Richland

Rusk

Sauk

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geologic and
Natural History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706
(608)262-0586

U.S. Geological Survey
1400 Independence Lane
Rolla, Missouri 65401

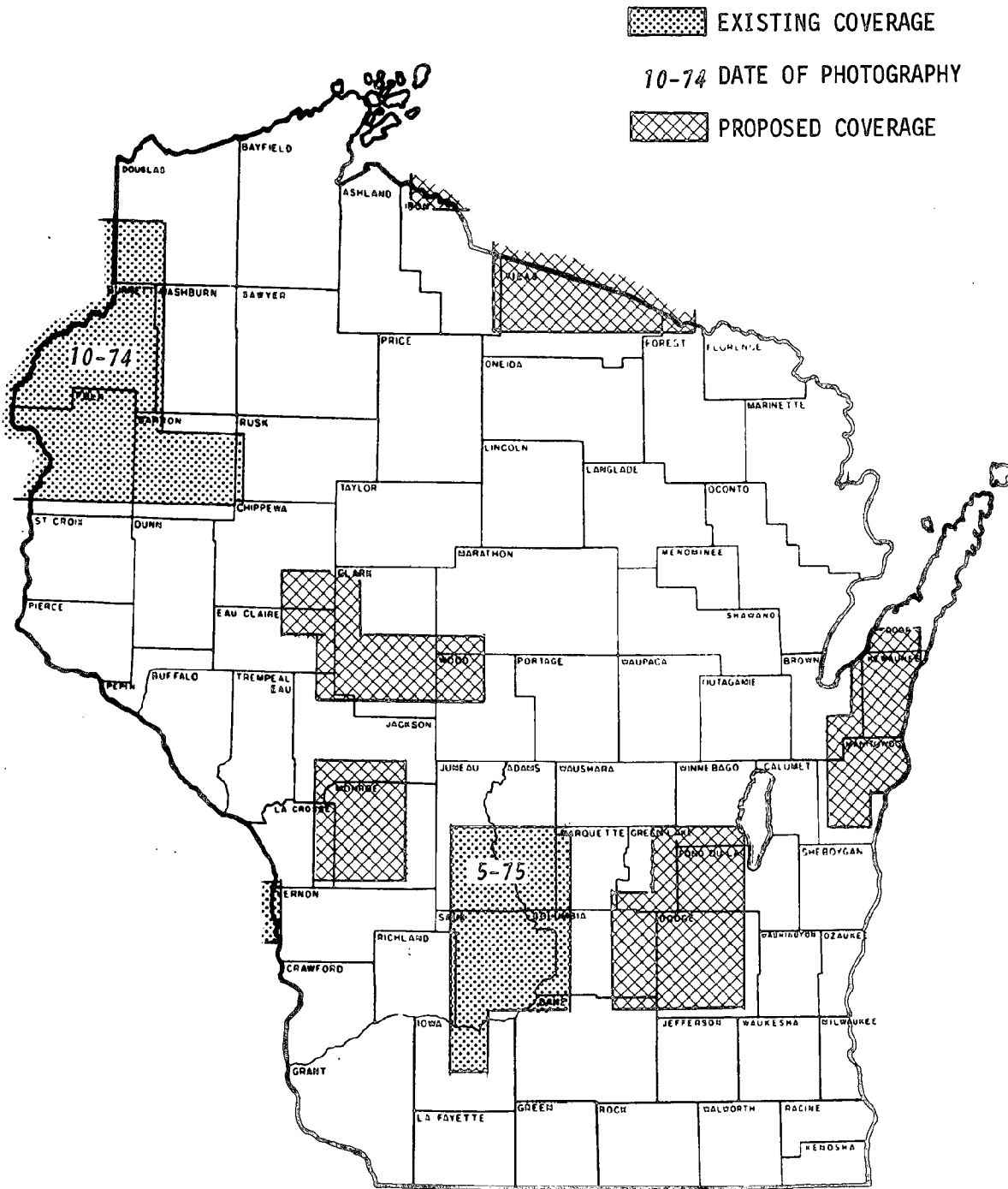
Vernon

Washburn

State Cartographer's Office
144 Science Hall
University of Wisconsin
Madison, Wisconsin 53706
(608)262-3065

Revised 1976

USGS ORTHOPHOTOGRAPHY



WISCONSIN State Planning Office
Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

1.3.5

DOT SMALL SCALE AERIAL PHOTOGRAPHY

1.3.5

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1966 - 1967

Date of Publication: 1967

Detail: Scale is 1:72,000. Individual photographs are centered over townships; they are not overlapping. Black and white film size is 9" x 9". Focal length is 3 1/2".

Aggregation: Statewide coverage. Each frame covers approximately 100 square miles. Enlarged photographs are available over each township (each frame covers approximately 36 sq. mil.).

Quality: Cloud-free coverage. Enlargements are supposedly rescaled to a common average scale (1:24,000).

Timeliness: The most recent statewide coverage taken in a short time period.

Sources: Photography was flown by Park Aerial Survey and Chicago Aerial Survey.

Textural Description: This photography consists of approximately 1,700 to 1,800 prints which cover the entire state. Each photograph covers approximately 100 square miles. Enlarged coverage (1:24,000) over each township is supposedly rectified, and image borders are referenced with Wisconsin State Plane Coordinate tick marks. Contact prints and enlargements at many scales are available on a variety of materials.

Contact for Purchase:

-or-

Contact for Information:

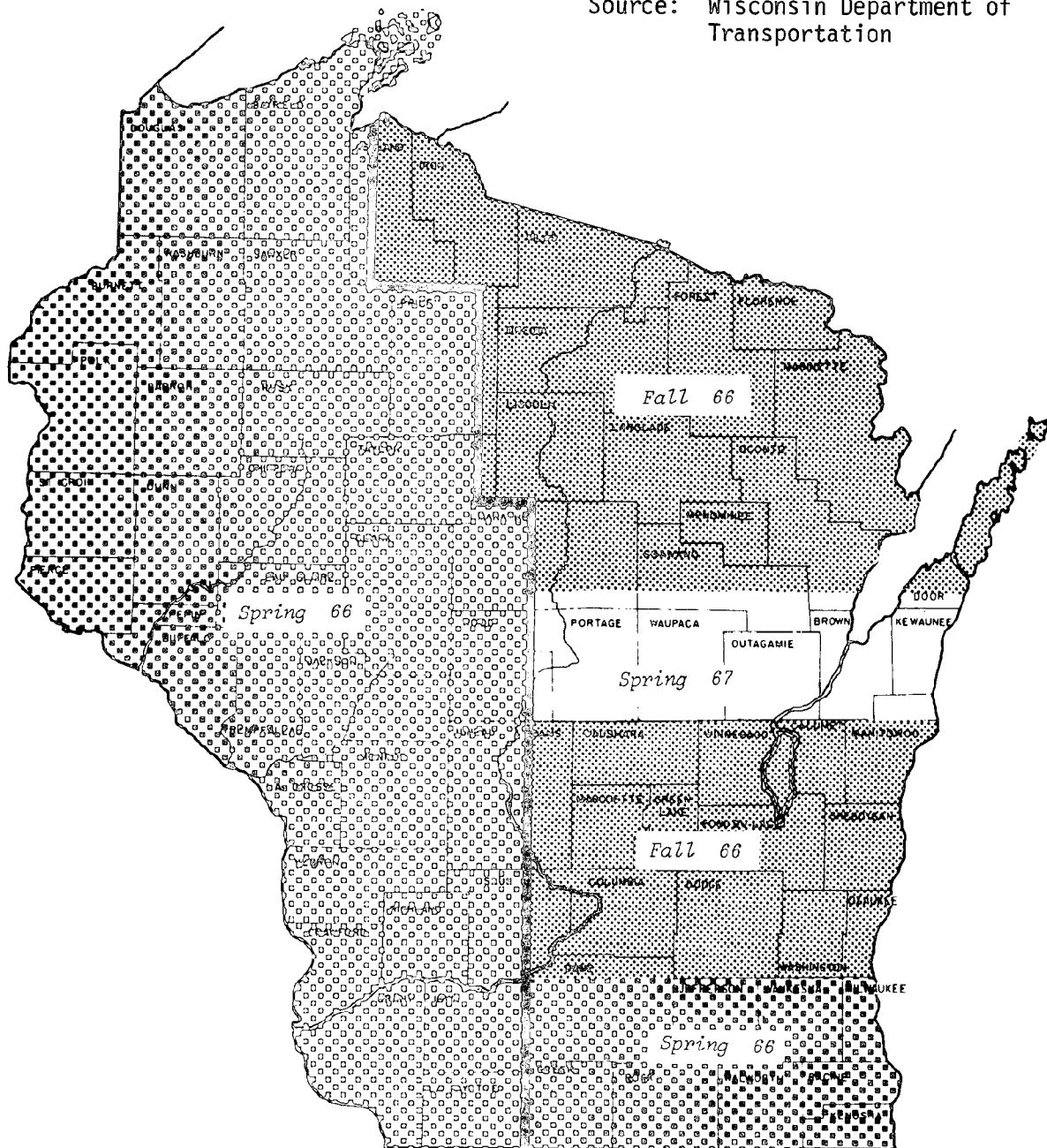
Department of Transportation
Engineering Services
Hill Farms State Office Building
4802 Sheboygan Avenue
Madison, Wisconsin 53702
(608) 266-0075

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

DEPARTMENT OF TRANSPORTATION
SMALL SCALE AERIAL PHOTOGRAPHY

Source: Wisconsin Department of
Transportation



Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1962 - present

Date of Publication: Current files

Detail: Scales vary from 1:2,400 to 1:30,000. Most photography is on black and white film, overlapping for stereo viewing. Film negative size is 9" x 9". Most focal lengths are 6".

Aggregation: Photography is filed by county. Many flights are available for every county in the state, although it is only partial county coverage.

Quality: All photography is useful for photogrammetric purposes (topographic mapping).

Timeliness: Ongoing program. Older photography is often superceded by newer photography taken by other agencies and firms.

Sources: Most photography taken by DOT.

Textual Description: The Wisconsin DOT takes aerial photography along roads throughout the state for both engineering and planning functions. This medium to large scale photography is available in stereo coverage in narrow strips along roads. Current files on the photography are indexed on county road map overlays at 1:126,720 (1" = 2 mi.) scale. Overlays indicate flight lines, photo scale, date, film roll number, and direction of flights. Contact prints, enlargements, and mosaics are available on many materials.

Contact for Purchase:

-or-

Contact for Information:

Department of Transportation
Engineering Service
Hill Farms State Office Building
4802 Sheboygan Avenue
Madison, Wisconsin 53702
(608) 266-0075

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
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Green Lake
Iowa
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Juneau
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La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1968 - present

Date of Publication: Current files

Detail: Scale varies from 1:4,800 to 1:14,400. Most photography is overlapping for stereo viewing. Film negative size is 9" x 9". Focal length is 6".

Aggregation: Photography is filed by county. Current file is a notebook of 8-1/2" x 11" county road maps indicating flight lines and film roll numbers, dates, and photo scales. Coverage in each county is very sparse.

Quality:

Timeliness: Varies

Sources: DOT

Textual Description: Most color photography has been taken for use by other state agencies. The subjects of most photography are rivers, lakes, and urban areas; geographic coverage is usually very limited. Film type is usually Kodak Ektachrome 2448 aero film.

Contact for Purchase:

-or-

Contact for Information:

Dept. of Transportation
Engineering Services Section
Hill Farms State Office Building
4802 Sheboygan Avenue
Madison, Wisconsin 53702
(608) 266-0075

Bayfield
Brown

Burnett

Columbia
Crawford
Dane

Door
Douglas

Eau Claire

Fond du Lac

Iowa

Juneau

La Crosse

Lincoln

Marathon

Oconto
Oneida

Ozaukee

Rock

St. Croix

Sawyer

Sheboygan

Vilas

Washburn
Washington

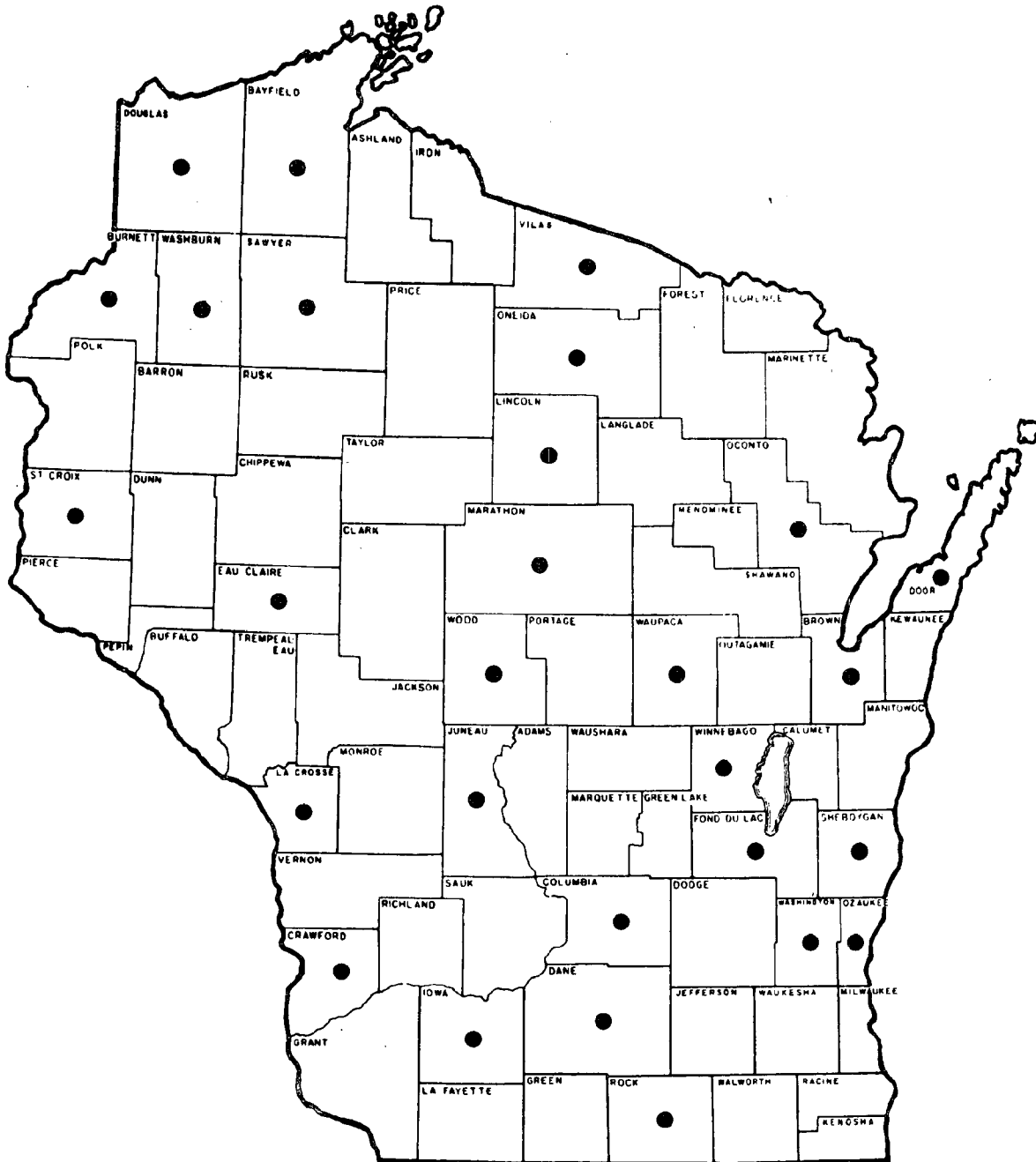
Waupaca

Winnebago
Wood

VERTICAL COLOR AERIAL PHOTOGRAPHY

DEPARTMENT OF TRANSPORTATION

(Partial County Coverage)



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1963 - present

Date of Publication: Current files

Detail: Flying heights vary from 1,000' to 6,000'. Black and white film size is 4-1/2" x 4-1/2". Most photography are single frames, taken for special features, although some are overlapping for stereo viewing.

Aggregation: Imagery is filed by county. Some counties have no imagery available. Current file is a notebook of 8-1/2" x 11" county road maps indicating imagery locations and film roll numbers.

Quality: Useful for reconnaissance and interpretive purposes.

Timeliness:

Sources: All imagery is flown by DOT.

Textual Description: Most of the DOT oblique imagery is of ports, small boat harbors, urban area, major highway interchanges, rivers at flood stage, and state institutions. Prints and enlargements are available at many scales and on various materials.

Contact for Purchase:

-or-

Contact for Information:

Department of Transportation
Engineering Services
Hill Farms State Office Building
4802 Sheboygan Avenue
Madison, Wisconsin 53702
(608) 266-0075

Adams
Ashland
Barron
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Buffalo
Burnett

Chippewa
Clark
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Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire

Fond du Lac

Grant
Green

Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette

Lincoln
Manitowoc
Marathon
Marinette
Marquette

Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage

Racine
Richland
Rock

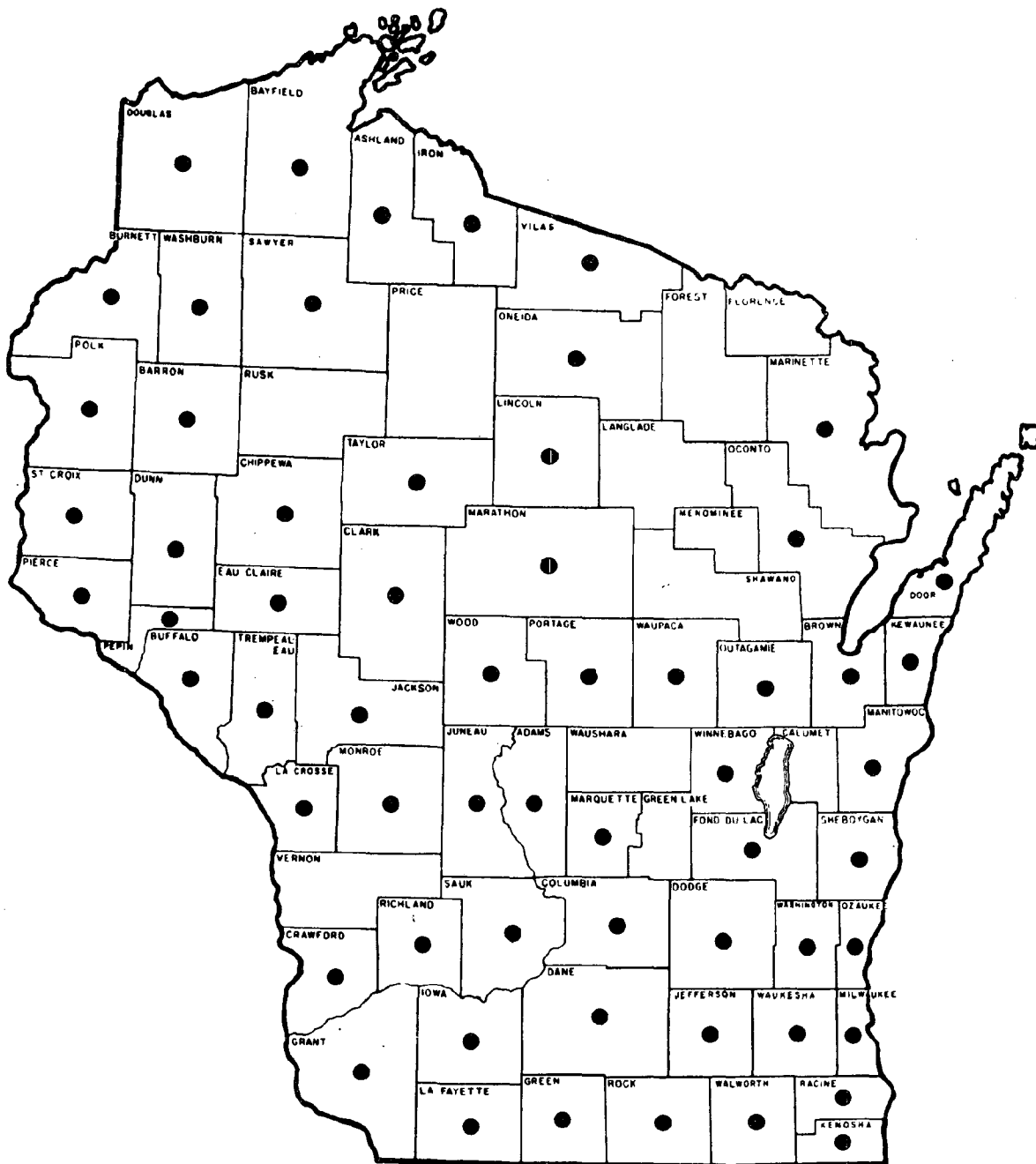
St. Croix
Sauk
Sawyer

Sheboygan
Taylor
Trempealeau

Vilas
Walworth
Washington
Waukesha
Waupaca

Winnebago
Wood

DEPARTMENT OF TRANSPORTATION OBLIQUE PHOTOGRAPHY
(partial county coverage)



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1970 - present

Date of Publication: Current files

Detail: Scales vary from 1:2,400 to 1:15,840. Black and white film size is 9" x 9". Most imagery is overlapping for stereo viewing.

Aggregation: Card catalogue of photography is arranged by county and project name. Flight maps are also filed, indicating flight lines, exposure stations and flying height.

Quality: Variable. Most film is black and white infrared, primarily useful for forest interpretation.

Timeliness: New flight missions are scheduled periodically.

Sources: DNR Bureau of Engineering, or private firms contracted by DNR.

Textual Description: Imagery targets include surface waters, wildlife areas, parks, forests, other state lands and projects, and pollution investigations. Some 100 projects presently have aerial photo coverage. Some photography is taken by the Dept. of Transportation or private aerial surveying companies. The card catalogue of photography and flight mission maps are located at DNR state office. This catalogue includes information on date, scale, film type, etc. Film negatives are kept at DNR Truax Field office.

A variety of other photography was secured by DNR Bureau of Forest Management and Division of Law Enforcement. Most of this photography was flown by private firms at 1:15,840 scale, and is available from the individual firms.

Contact for Purchase:

Contact for Information:

Bureau of Engineering
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707
(608) 266-2135

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

1.3.10

REGIONAL AERIAL PHOTOGRAPHY

1.3.10

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1963-1975

Date of Publication: 1963-1975

Detail: Varies: film scales range from 1:24,000 to 1:72,000.
Enlargements are usually available.

Aggregation: Varies; each photograph usually covers either 4 square miles or one township (36 square miles).

Quality: Photography is generally ratioed and rectified with ground control data or base maps.

Timeliness: See chart.

Sources: Private aerial engineering firms.

Textual Description: Some regional planning commissions in Wisconsin contract private aerial engineering firms to obtain aerial photography for their entire region or portions thereof. Three of the commissions also acquired photography in 1975 through their participation in the Wisconsin Coastal Management Development Program. All of the photography as well as some enlargements are usually available for purchase. See chart for products available.

Contact for Purchase:

Contact for Information:

Specific RPC

Ashland

Bayfield
Brown

Calumet

Dane

Door
Douglas

Florence
Fond du Lac

Green Lake
Iron

Kenosha
Kewaunee

Manitowoc

Marinette
Marquette
Menominee
Milwaukee

Oconto

Outagamie
Ozaukee

Racine

Shawano
Sheboygan

Walworth

Washington
Waukesha
Waupaca
Waushara
Winnebago

Revised 1976

REGIONAL AERIAL PHOTOGRAPHY

Regional Planning Commission	Date of Collection Date of Publication	Detail	Aggregation	Availability	Comments
Southeastern Wis. RPC	March 1963 April 1967 April 1970 May 1975	Low altitude photos at film scales 1:19,200 or 1:24,000. Half-tone enlargements available at scale 1:4,800. High altitude photos (1963, 1970, 1975) at film scale 1:72,000. Half-tone enlargements available at scale 1:24,000 (1970, 1975).	Low altitude photos cover 4 square miles. High altitude photos cover one township.	Diazo copies of all photography available for purchase for entire 7 county region. Region flown every 5 years.	Earlier low altitude photos ratioed to a common scale; 1975 photography ratioed and rectified with ground control data or base maps where ground control is not available. Aerial photos with soil series boundaries delineated on them (are also available for most of the region at scales 1:12,000 and 1:24,000. 1975 acquisition was in cooperation with Coastal Management Development Program.
Bay Lake RPC	May 1975	Photos at film scales 1:9,600 and 1:24,000.	Both scale photos cover one township.	Diazo copies of all photography available for purchase for entire 8 county region.	BLRPC acquired two sets of aerial photographs through its participation in the Coastal Management Development Program.
Northwest RPC	May-Nov 1975	Photos at film scales 1:9,600 and 1:24,000.	Both scale photos cover one township for Ashland, Bayfield, Douglas and Iron Co. only.	Diazo copies are available; contact Coastal Management Development Office, DNR.	NWRPC acquired two sets of aerial photographs through its participation in the Coastal Management Development Program.
East Central Wis. RPC	1971-1973	Black and white photos at film scale 1:24,000. Black-line enlargements available at scale 1:4,300.	Reproducible enlargements cover approximately 4 square miles.	Available for purchase for entire 10 county region.	The former Fox Valley Council of Governments also obtained aerial photography of the area surrounding the northern part of Lake Winnebago.
Dane County RPC	1971-1975	1:4,800	Yahara, Maunasha, Sugar Rivers and Koshkonong and Badger Hill Creeks.	Contact DCRPC for information on availability.	DCRPC acquired flood plain aerial photography in cooperation with USGS on selected river basins of Dane County.

1.3.11

AERIAL PHOTOGRAPHY FOR WISCONSIN COUNTIES

1.3.11

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1970 - 1974

Date of Publication:

Detail: Scales vary from 1:9,600 to 1:15,840. Focal lengths are usually 6", film is black and white panchromatic or infrared. See Chart.

Aggregation: By county. Most counties have complete coverage with overlapping frames for stereo viewing.

Quality: Usually excellent. Infrared film (Northwestern Wisconsin) is primarily useful for forest cover interpretation.

Timeliness: All photography indicated is less than 5 years old.

Sources: Commercial engineering firms.

Textual Description: Many of the counties in northern Wisconsin have contracted with commercial engineering firms (sometimes jointly with the DNR) to secure aerial photography for the entire county (or large parts of the county). Most of the photography was secured for use in forest cover interpretation by county and state foresters. The following chart indicates the scales, dates (not always indicated), film types and agency to contact for each county. All of the photography is available for purchase through the appropriate county agency.

Ashland

Bayfield
Brown

Burnett

Douglas

Forest

Iron

Lincoln
Manitowoc

Marinette

Oconto
Oneida

Rusk

Sawyer

Contact for Purchase: -or-

Contact for Information:

Individual County.
See Chart

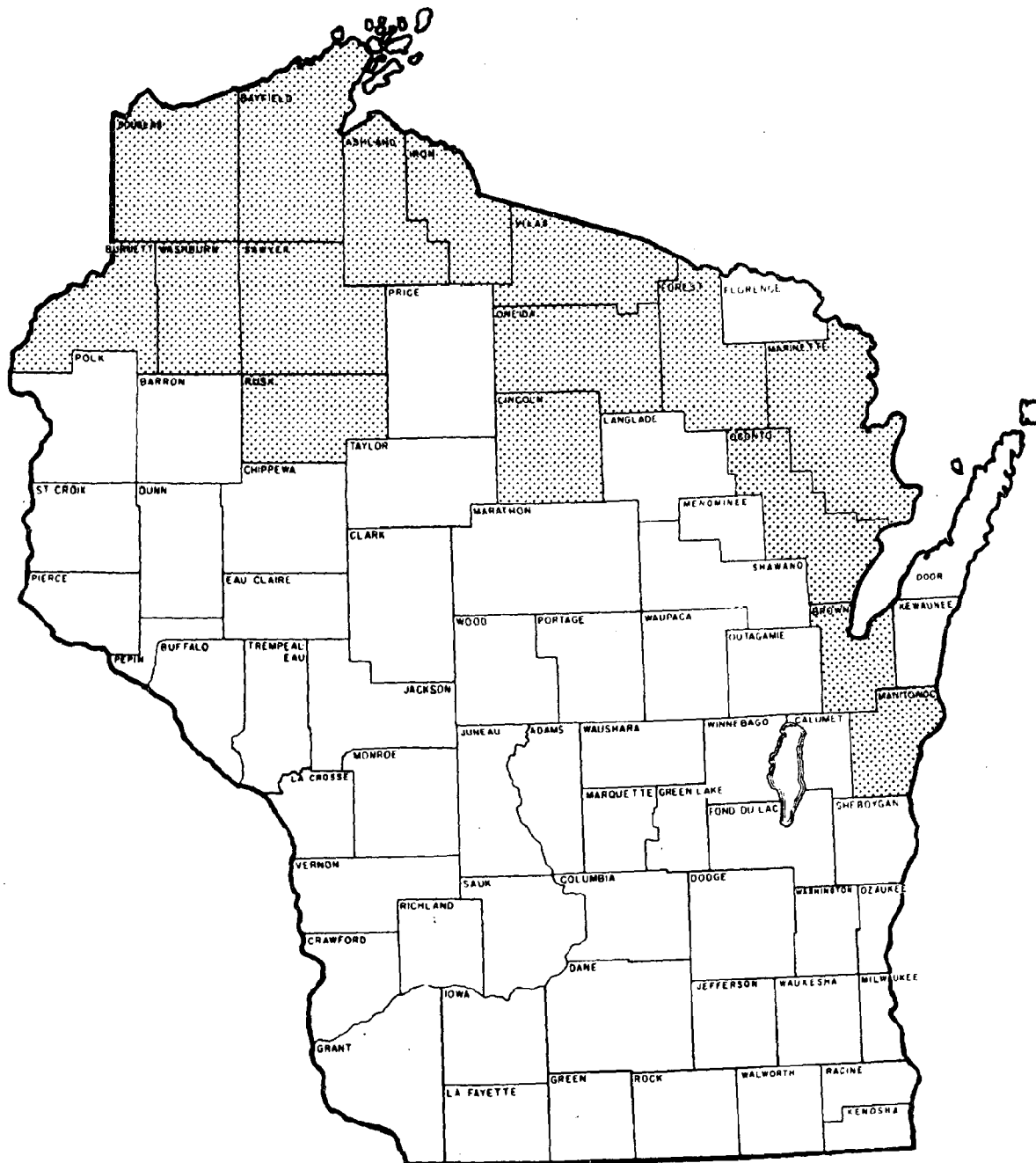
Vilas

Washburn

AERIAL PHOTOGRAPHY FOR WISCONSIN COUNTIES

	<u>Date</u>	<u>Scale</u>	<u>Remarks</u>	<u>Agency</u>
Ashland	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Bayfield	1973	1:15,840	B/W infrared film	County forest administration
Brown	1972	1:12,000	B/W panchromatic film	Brown County Surveyor and Planning Commission
Burnett	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Douglas	1970-4	1:15,840	B/W infrared film	County forest administration
Forest	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Iron	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Lincoln	1974	1:15,840	B/W panchromatic film	County forestry dept.
Manitowoc	1974	1:9,600	B/W panchromatic film	Manitowoc County Planning and Park Commission
Marinette	1973	1:15,840	B/W panchromatic film	Marinette County Forestry and Outdoor Recreation Dept.
Oconto	1973	1:15,840	B/W panchromatic film	County forestry dept. or County courthouse
Oneida	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Rusk	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Sawyer	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Vilas	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse
Washburn	1970-4	1:15,840	B/W infrared film	County forestry dept. or County courthouse

AERIAL PHOTOGRAPHY FOR WISCONSIN COUNTIES
(only includes acquisitions since 1970)



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

1.3.12

USDA-SCS MEDIUM SCALE AERIAL PHOTOGRAPHY

1.3.12

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: 1973-present

Brown

Date of Publication: 1973-present

Detail: 1:38,000 or 1:48,000 scale. Film is black and white panchromatic.

Columbia

Dane

Aggregation: Photography organized by county. 26 counties are planned for coverage through 1977 (see map).

Eau Claire

Quality: Generally excellent; almost always cloud-free coverage.

Green Lake

Timeliness: Varies, depending on date of photography. This is an ongoing program.

Jefferson

Sources: SCS

Textual Description: The USDA Soil Conservation Service secures aerial photography for use in the production of Modern Soil Survey reports when Agricultural Stabilization and Conservation Service photography is not available or out of date. Prints are used in the preparation of the reports and lithographically reproduced copies overprinted with soil types are used in the final report.

Marquette

Prints and photo indexes are available for purchase. When an SCS soil survey is being conducted photo indexes and prints are available for review in the appropriate SCS field office.

Portage

Contact for Purchase:

Contact for Information:

Sheboygan

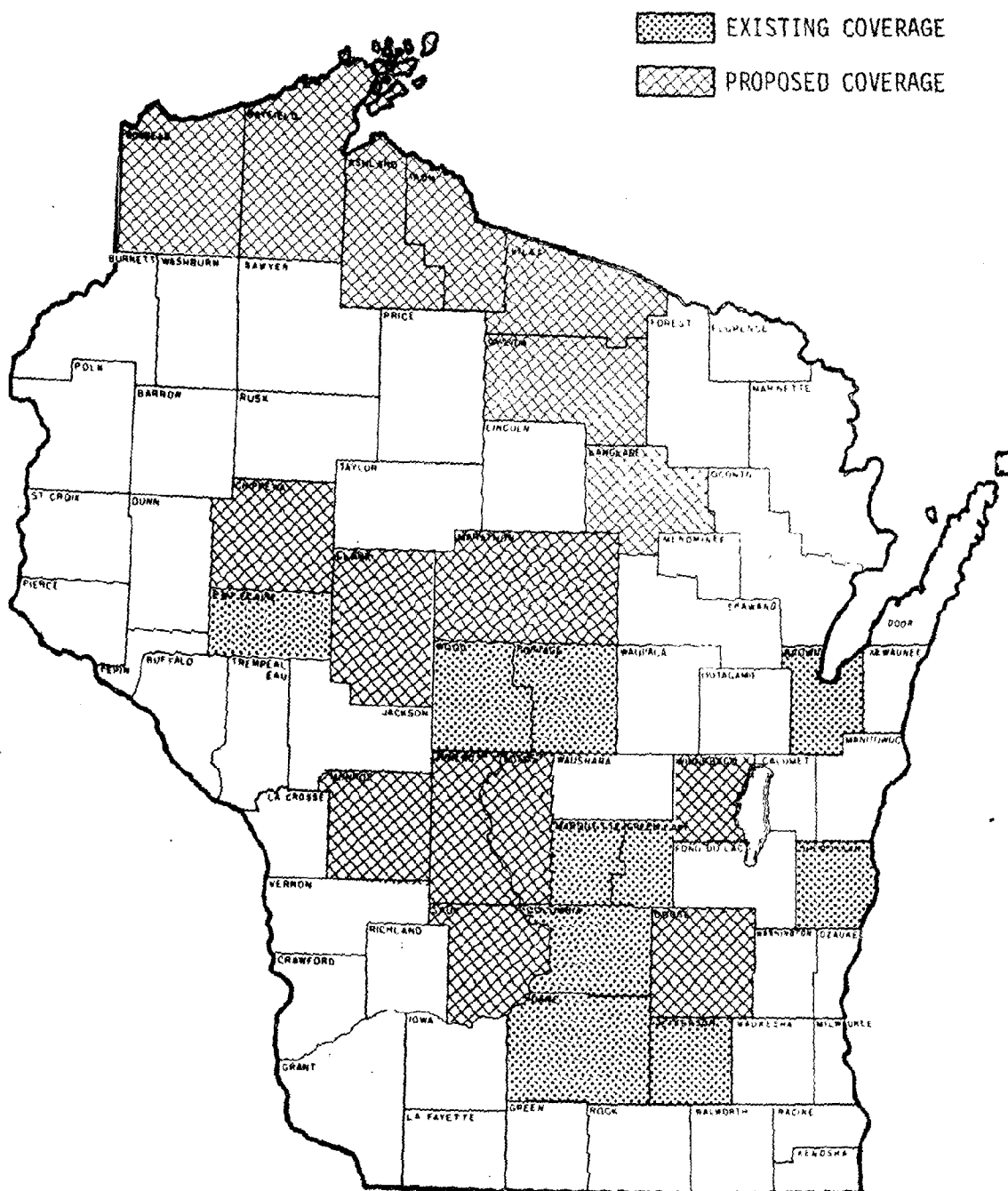
SCS field Offices (when soil survey is in progress)

-or-

Cartographic Unit Head
Soil Conservation Service
Federal Bldg.-U.S. Courthouse
Room B-99
Lincoln, Nebraska 68508
(402) 471-5324

Wood
Revised 1976

SOIL CONSERVATION SERVICE
MEDIUM SCALE AERIAL PHOTOGRAPHY



WISCONSIN State Planning Office
Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: AERIAL PHOTOGRAPHYSection General SourcesData type: PhotographyDate of Collection: 1972-1974Date of Publication: On file

Detail: 1:60,000, 1:120,000 or 1:458,000 scale. Flying height is 60,000 feet. Focal length is 6", 12", or 40 mm (varies with scale), with 9" or 70mm frame size. Film is color or color infrared for 9" frames, black and white panchromatic or infrared for 70mm frames.

Aggregation: Available for part of the state, especially the southeastern portion (see map). Film is on rolls, organized by mission number.

Quality: Variable. Photography in Southeastern Wisconsin is excellent; in Northwestern Wisconsin it is partially obscured by clouds.

Timeliness: Some of the most recent high altitude photography available for Wisconsin.

Sources: NASA

Textual Description: A series of high altitude flight missions with an RB-57 aircraft and photography have been made by NASA for University of Wisconsin research projects. The scale of this photography is particularly useful for detailed inventories over large areas. The 1:60,000 (12" focal length) and 1:120,000 (6" focal length) photography is available in color or color infrared film on 9" frames, and the 1:458,000 (40mm focal length) photography is available on black and white panchromatic or infrared film on 70mm frames.

The photography is available for viewing, by appointment, at the EMDAG Data Center, and prints can be purchased from the EROS Data Center (must specify mission, roll, and frame number for each print).

A Catalogue, Earth Observations Aircraft Program Cataloguing and Indexing Report, is also available for viewing at the EMDAG Data Center.

Contact for Purchase:

EROS Data Center
User Services Unit
Sioux Falls, South Dakota 57198
(605) 594-6511

Contact for Information:

EMDAG Data Center
WARF Building
610 Walnut Street
UW-Madison
Madison, Wisconsin 53706
(608) 263-4836

Adams
Ashland
Barron
Bayfield
Brown

Burnett
Calumet

Columbia

Dane
Dodge
Door
Douglas

Fond du Lac

Green
Green Lake
Iowa
Iron

Jefferson
Juneau
Kenosha
Kewaunee

Lafayette
Langlade

Manitowoc

Marinette
Marquette
Menominee
Milwaukee

Oconto

Outagamie
Ozaukee

Pierce
Polk

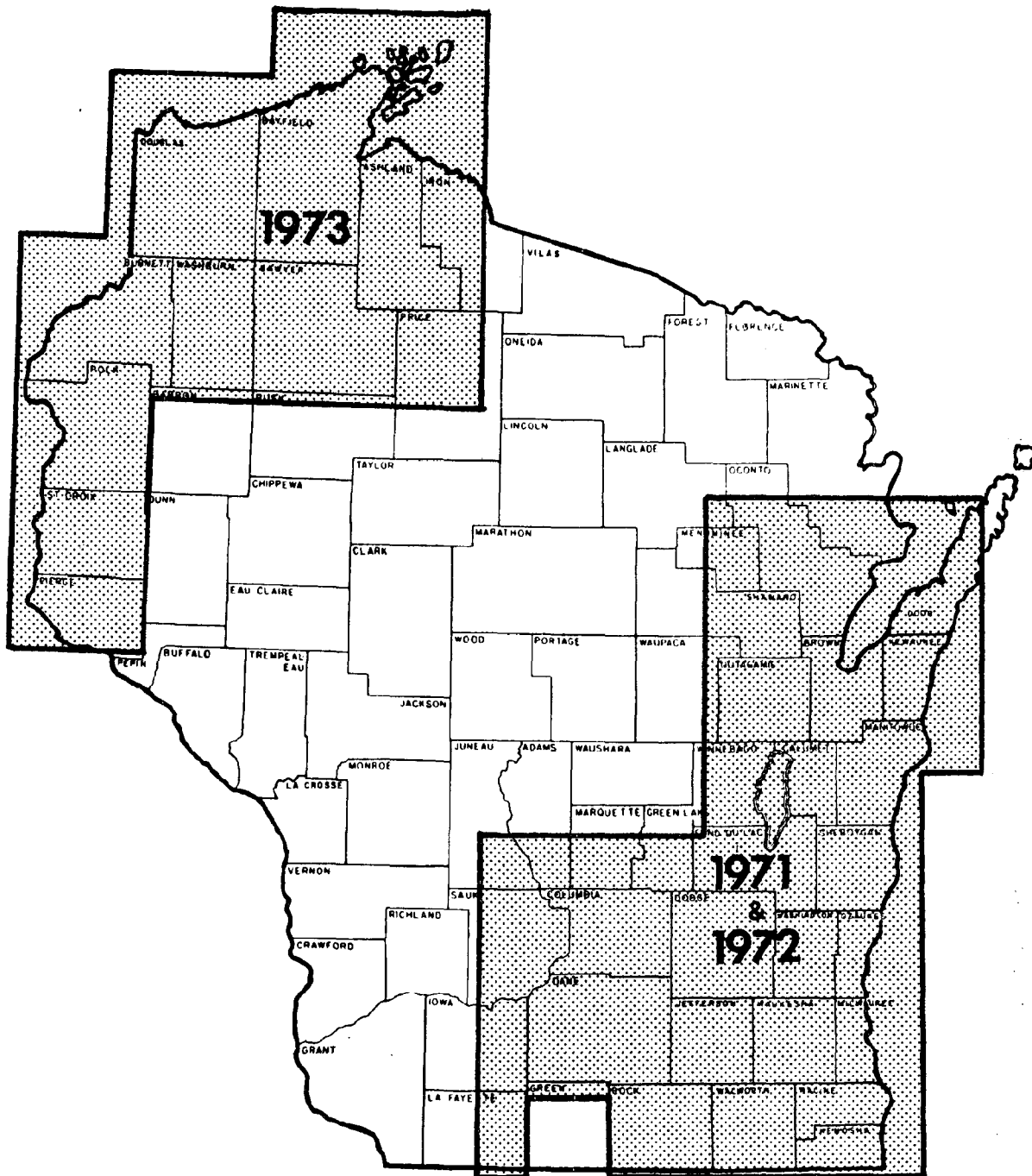
Price
Racine

Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan

Walworth
Washburn
Washington
Waukesha
Waupaca

Winnebago

NASA (RB-57) HIGH ALTITUDE AERIAL PHOTOGRAPHY



WISCONSIN	State Planning Office
	Department Of Administration

Subsection: AERIAL PHOTOGRAPHYSection: General SourcesData type: Photographs

Ashland

Bayfield

Date of Collection: 1963 and 1964, 1972Date of Publication:Detail: 1:15,840 (4" = 1 mi.). Stereo coverage; focal length is 8 1/4".

Film type is black and white infrared for 1963-1964 coverage, color for 1972 Chequamegon coverage, black and white infrared for 1972 Nicolet coverage.

Aggregation: Complete coverage of both Chequamegon and Nicolet National Forests. 1972 coverage of Nicolet National Forest is not complete.

Florence

Forest

Quality: Excellent quality for identification and measurement of forest stands.Timeliness: Complete coverage taken approximately once every ten years.Sources: Park Aerial Surveys.

Langlade

Textual Description: The USDA-Forest Service secures aerial photography over both National Forests in Wisconsin for the purpose of mapping and inventorying forest stands. The photography is taken in summer with leaves on the trees. The actual coverage extends approximately one mile beyond the National Forest boundaries.Oconto
Oneida

Complete coverage of both National Forests in Wisconsin was secured in 1963-1964 and in 1972. Map indexes which show flight lines and locations and numbers of individual frames are available at 1:126,720 scale.

Price

Contact for Purchase:

or

Contact for Information:

Sawyer

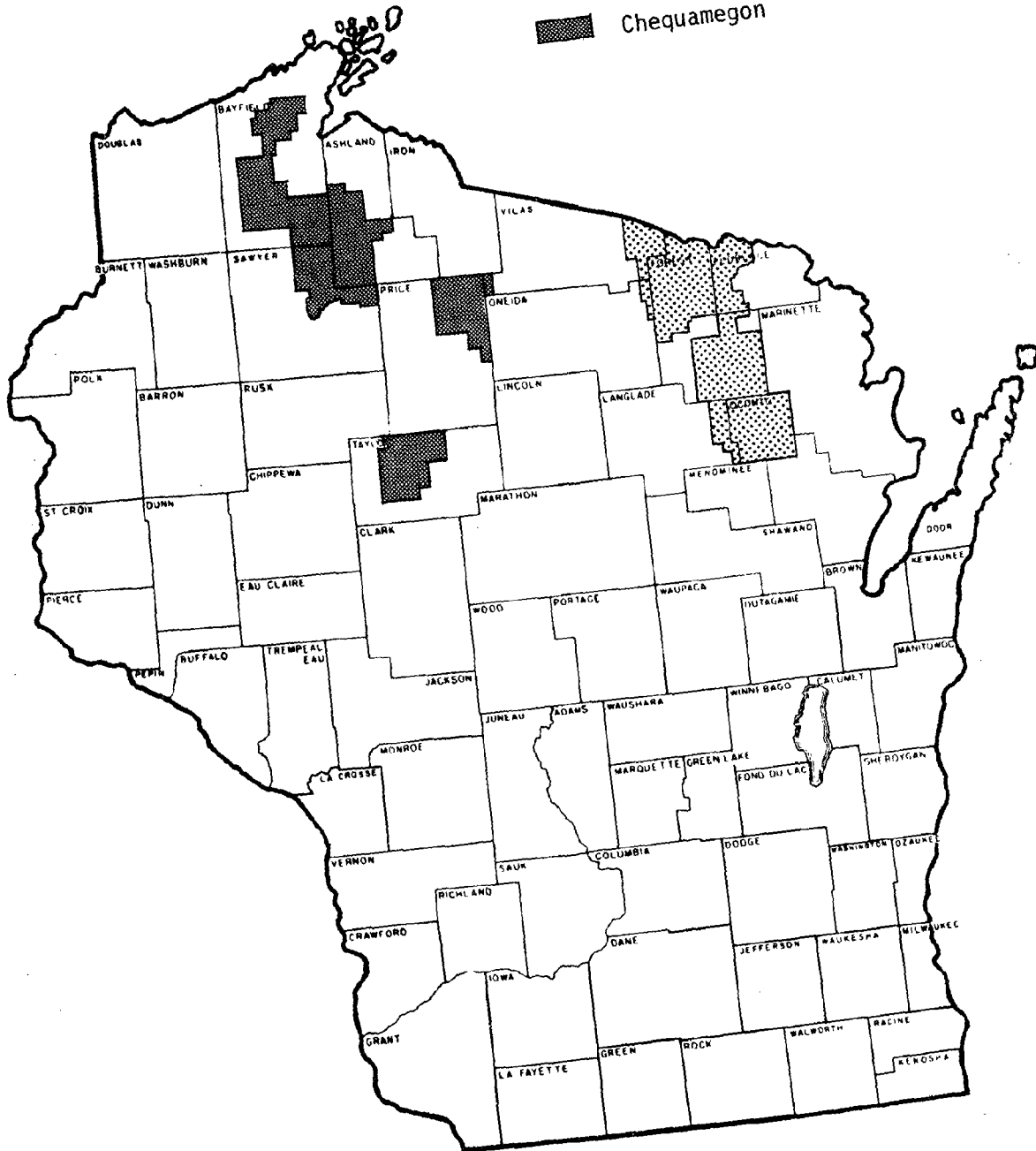
Taylor

Vilas

USDA-Forest Service
Regional Office
633 West Wisconsin Avenue
Milwaukee, Wisconsin 53203
(414) 224-3662

NICOLET AND CHEQUAMEGON NATIONAL FORESTS

 Nicolet
 Chequamegon



WISCONSIN State Planning Office
 Department Of Administration

1975
 WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: August 1972 - present. Repetitive coverage on an 18 day cycle for all parts of the state for both LANDSAT I and II.

Date of Publication:

Detail: Images produced from satellite sensor at 1:3,369,000 scale (70 mm film). Individual image scenes are approximately 115 x 115 miles. Black and white images available in 4 different spectral wave bands or as color composites of bands. Various enlargements are also available.

Aggregation: Statewide coverage. 15 images cover the entire state (see map for location of flight passes and image locations). Computer listings, catalogs, and a Browse file of images are available for viewing.

Quality: Variable. Cloud cover may obscure areas on specific images.

Timeliness: Ongoing program. The new LANDSAT II satellite will replace the former ERTS (LANDSAT I) satellite.

Sources: NASA

Textual Description: The LANDSAT (formerly ERTS) satellite orbits the earth, making consecutive passes and producing electronic images over all parts of the earth. The former ERTS satellite, LANDSAT I, produces these images with a multi-spectral scanner; these are converted into 70mm frames (2.2" square). For each scene, four images are produced in different wave bands, each useful for different types of terrain or land use interpretation. LANDSAT II carries the same instrumentation as LANDSAT I.

Six flight passes (each 24 hours apart) cover the State, and the satellite passes over the same area in Wisconsin every 18 days. Images are available at the 1:3,369,000 scale (70 mm) or at 1:1,000,000 scale (9" x 9"). Other enlargements, color composites, and digital tapes are also available.

Statewide composite photographs at 1:1,000,000 and 1:500,000 are also available for purchase or viewing. The EMDAG Data Center maintains an ERTS/LANDSAT Browse File, containing much of the available imagery as well as microfilm, reference catalogs, user's guides and ordering information. This file is available for viewing by making an appointment in advance.

Contact for Purchase:

User Service Unit
EROS Data Center
Sioux Falls, S. Dakota 57198
(605) 594-6511

Contact for Information:

EMDAG Data Center
UW-Madison
WARF Building
610 Walnut Street
Madison, Wisconsin 53706
(608) 263-4836
or User Services Unit
EROS Data Center
Sioux Falls, S. Dakota 57198
(605) 594-6511

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: AERIAL PHOTOGRAPHY

Section: General Sources

Data type: Photography

Date of Collection: August 1973, January 1974

Date of Publication:

Detail: Scales are 1:960,000 to 1:970,000 or 1:2,880,000 to 1:2,890,000.

Flying height was 250-255 miles. Various cameras, films, and filters were used. Adjacent frames are overlapping by 50 percent.

Aggregation: Individual frames (see map for areal coverage). Computer listings are available which give specific information for each frame (including latitude-longitude coordinates for each frame).

Quality: Variable; usually very little cloud cover. Information on computer listing includes cloud cover (percent) and image quality.

Timeliness: No additional flights are presently scheduled.

Sources: NASA SKYLAB II and III.

Textual Description: The NASA SKYLAB missions II and III took photographs over Wisconsin in a variety of scales, films and filters. Film types include black and white panchromatic, color, black and white infrared, and color infrared. The quality of the photography is usually good (7 or 8 on a scale of 0 to 9) and cloud cover is 0 to 30 percent.

The EROS Data Center will produce a computer listing of photography for Wisconsin upon request; information for purchasing photography will also be included. Photography for Wisconsin is not available for viewing in the state.

The UW Madison EMDAG Data Center maintains a Browse File containing catalogs and photo indexes for SKYLAB and LANDSAT (ERTS) imagery.

Contact for Purchase:

-or-

Contact for Information:

User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57198
(605) 594-6511

or

EMDAG Data Center
UW-Madison
WARF Building
610 Walnut Street
Madison, Wisconsin 53706
(608) 263-4836

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark

Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest

Green Lake

Iron
Jackson

Juneau
Kenosha
Kewaunee
La Crosse

Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee

Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price

Rusk
St. Croix

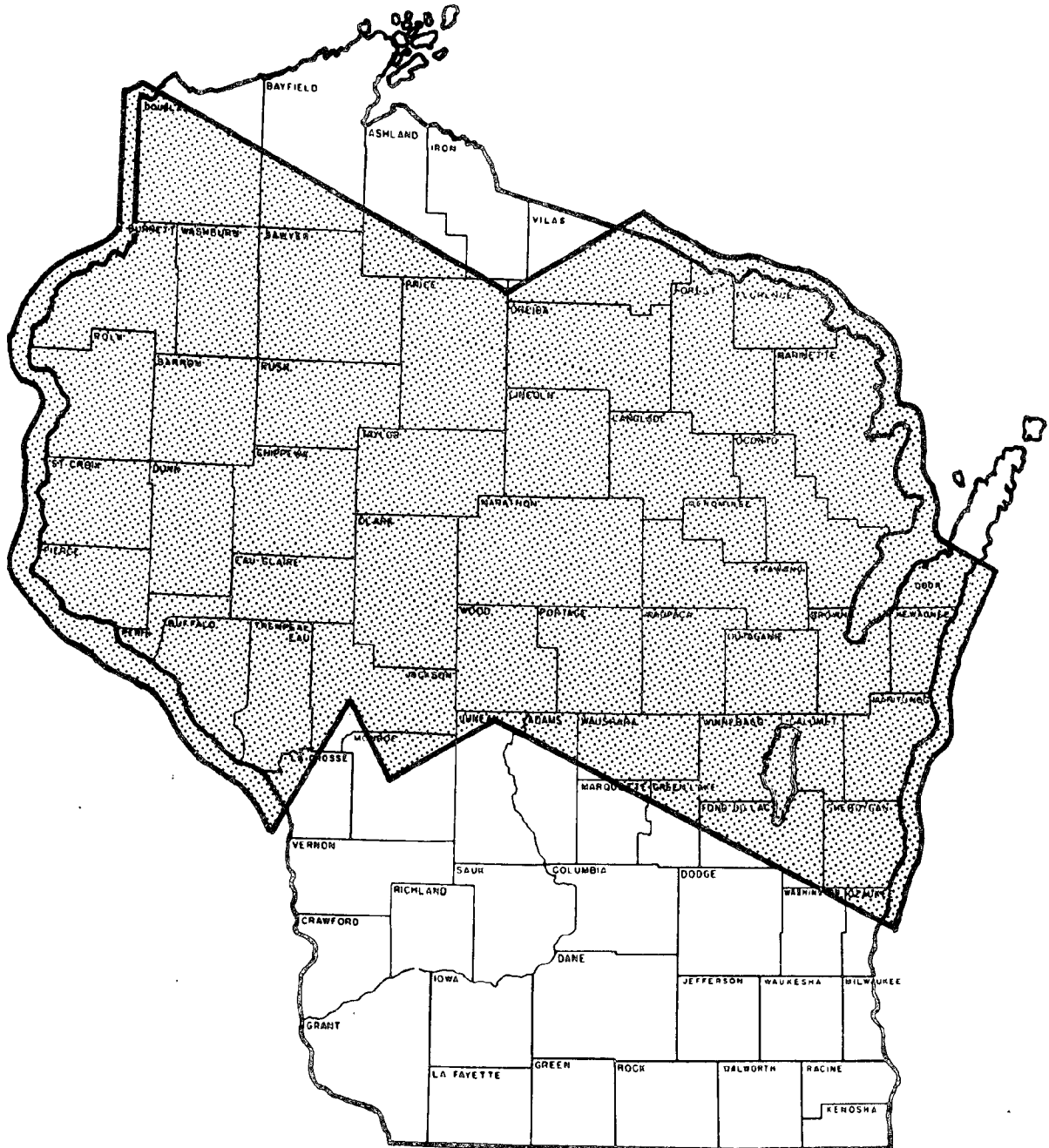
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau

Vilas

Washburn
Washington

Waupaca
Waushara
Winnebago
Wood

SKYLAB SPACECRAFT IMAGERY



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Tabular, maps, and photography

Date of Collection: Ongoing program

Date of Publication:

Detail: Information available on a variety of subjects: plat mapping, county base maps, topographic maps, charts, geodetic information, hydrographic maps, satellite imagery and conventional aerial photography. Information on the status of various federal mapping programs and planned acquisition of aerial photography is also available.

Aggregation:

Quality: Information is complete for last decade. Limited historical information is available.

Timeliness: Information is continually updated.

Sources: USGS, USDA (SCS, ASCS, USFS), NOAA, NASA, Bureau of Census, UW system, state offices, regional planning commissions, counties, municipalities, etc.

Textual Description: The State Cartographer's Office is a centralized source of information on mapping, geodetic information and aerial photography in Wisconsin. It serves governmental agencies, academic institutions, commercial organizations, and the general public. The Office is not intended to sell or house all available material. It has available information on where to obtain index/status maps and photographic coverage indexes and offers assistance in acquiring desired cartographic coverage. The State Cartographer is available to consult with all levels of government in Wisconsin to resolve cartographic problems. Persons desiring information on the availability, characteristics, and sources of general mapping, geodetic information, aerial photographic coverage and cartographic programs of the state should make inquiries as specific as possible.

The Office publishes the quarterly Wisconsin Mapping Bulletin which describes cartographic activities of the state and announces catalogs and information circulars. Copies of the bulletin are available upon request.

Contact for Purchase:

Contact for Information:

State Cartographer's Office
University of Wisconsin-Madison
144 Science Hall
550 N. Park Street
Madison, Wisconsin 53706
(608) 262-3065

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Library

Date of Collection: Ongoing collection

Date of Publication:

Detail: Library maintains collections of topographic maps, atlases, city plans, aerial photography, indexes to aerial photography, soil surveys, county highway maps, old land resource inventories, etc. Information is also available on where to order maps, photography, etc.

Aggregation: Statewide. Also regional, national and worldwide maps. Most of the library material can be circulated.

Quality:

Timeliness: Ongoing collection of various maps, aerial photography and information sources.

Sources: Federal, state and regional agencies, and commercial concerns.

Textual Descriptions: The UW-Madison Map and Air Photo Library serves the university, state agencies, and the general public in providing maps, aerial photography, miscellaneous studies, and information on where to acquire such material for the State of Wisconsin. Most of the material collected by the library can be circulated and is available through interlibrary loan.

The library collection includes the most complete set of U.S. Geological Survey topographic maps in the state and a large collection of historical air photo indexes of ASCS photography. The library is also a depository of the hydrographic and aeronautical charting of NOAA.

Contact for Purchase:

Contact for Information:

Map and Air Photo Library
University of Wisconsin-Madison
384 Science Hall
Madison, Wisconsin 53706
(608) 262-1471

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Library

Date of Collection: Ongoing collection

Date of Publication: 1974

Detail: Includes many files of imagery and maps covering various parts of the State (LANDSAT [ERTS] satellite imagery, RB-57 aerial photography, large scale aerial photography, thermal infrared imagery, etc.). A publication describes these data.

Aggregation: Various types of coverage of the entire state. The publication describes the type, location, date, and usefulness of the various types of data.

Quality:

Timeliness: Ongoing collection.

Sources: NASA, UW system, other agencies

Textual Description: The UW-Madison Institute for Environmental Studies includes the Environmental Monitoring and Data Acquisition Group (EMDAG), which has been involved in research investigating the usefulness of remote sensing data for determining water quality. A considerable amount of image data and other materials have been collected by EMDAG, much of which is potentially useful to others outside the research community. This data facility maintains an ERTS (LANDSAT) Browse File for the UW Sea Grant Program. Aside from the various imagery which are available for review, the center also maintains reference material and a list of available products, prices, and detailed ordering information for other data sources. The publication, EMDAG Data Center Data Availability (B. Kenny and E. Kuhlmei, Report No. 26, UW Institute for Environmental Studies EMDAG, Jan. 1974), describes the major data holdings of the center and provides a cursory discussion of their usefulness. The center may be used by making an appointment in advance.

Contact for Purchase:

Contact for Information:

EMDAG Data Center
Institute for Environmental
Studies
University of Wisconsin
610 Walnut Street
Madison, Wisconsin 53706
(608) 263-4836

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Library

Date of Collection: Ongoing collection

Date of Publication:

Detail: Includes files of imagery secured by several Federal agencies.

Detailed information about specific imagery and copies of the imagery are available.

Aggregation: Many sets of imagery have Statewide coverage. The center has a computer-based Data Inquiry System which retrieves information on specific imagery by name of agency, geographic location, type of imagery, etc.

Quality: The primary source of imagery and information for NASA holdings and some other agency holdings.

Timeliness: Continually updated; ongoing collection

Sources: NASA, USGS, U.S. Army Corps of Engineers, U.S. Army Map Service, U.S. Air Force, other Federal agencies.

Textual Description: The U.S. Department of the Interior, Geological Survey administers the EROS Data Center as a centralized holding agency and information source for Federal aerial and satellite imagery. All holdings of the center are stored on computer files and detailed information on specific images can be obtained as computer listings from the EROS Data Center Data Inquiry System. These listings include the following information: photo ID number, originating agency; film type, image quality, date acquired, geographic coordinates (latitude-longitude), altitude, scale, overlap, camera or sensor type, etc. General information pamphlets are also available for various types of imagery. All of the imagery is available for purchase on a variety of materials at various scales of enlargement.

Contact for Purchase:

-or-

Contact for Information:

User Services
EROS Data Center
U.S. Department of the Interior
Geological Survey
Sioux Falls, South Dakota 57198
(608) 594-6511

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: General SourcesData type: LibraryDate of Collection: Organized in 1973Date of Publication:Detail: Clearinghouse contains printed material on several subjects, audio-visual presentations, a human resources list for additional information in the region.Aggregation: Information generally pertains to Lake Superior region of Wisconsin. Library material is organized by subject.Quality: Facilities are becoming upgraded into a functional reference library.Timeliness: Ongoing acquisition of new material.Sources: Varies.

Textual Description: The Environmental Information Clearing House (EICH) is the library, research and education component of the Sigurd Olson Institute of Environmental Studies. It has an information base composed of printed materials on various subjects relating to the environment (Institute publications and conference material, environmental education, land use planning, historical archives, current events), audio-visual presentations (films, slide sets), and a human resources list (people who are information sources on matters affecting the region). In addition to serving as an information source on environmental and land related matters in the region, EICH has been used in supporting conferences, offering citizen training sessions on land use planning, and providing consultants for environmental education.

Contact for Purchase:Contact for Information:

Environmental Information
Clearing House
Sigurd Olson Institute
Northland College
Ashland, Wisconsin 54806
(715) 682-4531

STATEWIDE

Adams
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Barron
Bayfield
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Waukesha
Waupaca
Waushara
Winnebago
Wood

1.4.6

CRITICAL RESOURCE INFORMATION PROGRAM--
DATA AND INFORMATION AVAILABILITY STUDY

1.4.6

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Published tabular

Date of Collection: Through 1974

Date of Publication: 1974

Detail: Includes 3 matrix diagrams indicating the availability and applicability of various data for use in delineating critical resource areas in the state.

Aggregation: Statewide. Data are presented as being available or applicable for individual counties and for resource variables.

Quality: Assessments of availability and applicability are preliminary and have not been evaluated for specific areas.

Timeliness:

Sources: Federal and State agencies

Textual Description: The Critical Resource Information Program (CRIP), a UW-Madison Institute for Environmental Studies project, is an effort to define and identify areas in Wisconsin containing environmental and cultural resources which are of critical importance to the State. A published report, Recommendations for the Assessments, Inventory and Implementation of a Critical Resource Information Program for Wisconsin, Report 8, UW-Madison Institute for Environmental Studies, February 1974, contains a section on Data and Information Availability. This contains 3 matrix diagrams which describe the availability and applicability of 50 data sources in defining 143 critical resource variables. One matrix evaluates the data sources in relation to the resource variable; another matrix presents the availability of these data sources for selected sites in each county; another matrix defines the availability and applicability of each resource variable to the selected sites in each county. Copies of the report are available in limited distribution.

Contact for Purchase:

Contact for Information:

Institute for Environmental
Studies
Communication Office
University of Wisconsin-Madison
610 Walnut Street
Madison, Wisconsin 53706

STATEWIDE

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Winnebago
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Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: General SourcesData type: Published mapDate of Collection: 1974Date of Publication: 1974

Detail: State map index at 1:1,000,000 scale. Map index shows locations and names of USGS 7 1/2' and 15' quadrangle maps as of November 1974. Descriptive information on other maps is also provided.

Aggregation: Statewide, by quadrangle area.

Quality: This is the official index to USGS topographic quadrangle maps.

Timeliness: Some new quadrangles have been mapped since publication of the index. Information on recent mapping is available on request.

Sources: USGS

Textual Description: The US Department of Interior, Geological Survey periodically publishes the Index to Topographic Maps of Wisconsin in order to provide information on the present status and coverage of topographic mapping and where and how to order maps. Each quadrangle (7 1/2' at 1:24,000 scale or 15' at 1:62,500 scale) is designated by the name of a city, town or prominent natural feature within it. The extent of map coverage is outlined in black; quadrangles for which published maps are available have the quadrangle name and dates of survey printed in black. A list of special maps and sheets is also given. Status maps of topographic mapping and aerial photography which show updated information are available upon request. A booklet describing topographic maps and symbols is available free upon request. The WGNHS is the official sales office in Wisconsin for USGS topographic maps.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

or

Map Information Office
U.S. Geological Survey
Washington, D.C. 20244

STATEWIDE

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Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: General Sources

Data type: Unpublished tabular

Date of Collection: Ongoing collection

Date of Publication: New listings generated approximately every 6 months.

Detail: Includes detailed descriptive information on individual published topographic maps in Wisconsin.

Aggregation: Statewide. Information is stored on computer file, organized by name of map (quadrangle name).

Quality: The most complete index available for the entire State.

Timeliness: Updated approximately every 6 months.

Sources: USGS, U.S. Army, other agencies.

Textual Description: The UW-Madison Map and Air Photo Library maintains this index to topographic maps in notebook form; it is available for review at the library. The index is maintained and updated as a computer file. The index describes maps with the following information on each map: map name, series size (7 1/2', 15', etc.), scale, maximum coordinates (latitude-longitude), contour interval, year surveyed, year revised, edition year, reprint year, and other miscellaneous information (out-of-print, advance sheets, photo-revisions, etc.).

Contact for Purchase:

Contact for Information:

Map and Air Photo Library
University of Wisconsin-Madison
384 Science Hall
Madison, Wisconsin 53706
(608) 262-1471

STATEWIDE

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Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: General SourcesData type: Published tabularDate of Collection: 1937 - 1974Date of Publication: 1974 (preliminary document)

Detail: Approximately 800 entries of flight missions for 15 coastal counties. Up to 13 photographic characteristics (scale, date, film type, etc.) described for each flight mission.

Aggregation: Organized by regional planning commission, by county, and by date of photography. Preliminary listing is a computer file output.

Quality: Most information is obtained from secondary sources. Inventory is not yet complete.

Timeliness: Flight missions date from 1937 to 1974. Inventory file will be periodically updated.

Sources: Federal agencies (USGS, ASCS, NOAA, National Archives, U.S. Army Corps of Engrs.); State agencies (DOT, DNR); regional planning commissions (SEWRPC); private firms.

Textual Description: A preliminary version of the inventory is available upon request. The final document will be published by DNR under the Wisconsin Coastal Zone Management and Development Program. All flight missions will also be plotted on county base maps. The inventory includes name of holding agency, year and month of flight, photo scale, film size, type of imagery, focal length, flight direction, film and filter combination, agency mission number, and other remarks.

Contact for Purchase:Contact for Information:

Bureau of Water Regulation &
Zoning
Department of Natural Resources
Box 450
Madison, Wis. 53701
(608) 266-8030

STATEWIDE

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Bayfield
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Waukesha
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Winnebago
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HUMAN RELATED RESOURCES

**POPULATION
LAND USE /LAND COVER
LAND USE PLANS
LAND OWNERSHIP
LAND VALUE
HISTORIC AND SCIENTIFIC
INFORMATION SERVICES
AND BIBLIOGRAPHIES**

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COUNTY COVERAGE

POPULATION

LAND USE/LAND COVER

COMPLETE

PARTIAL

	U.S. Census of Housing and Population	Official Wisconsin Population Estimates	Official Wisconsin Population Projections	Small Area Population Projections for Wisconsin	Regional Population Characteristics	Status of Zoning in Wisconsin Towns and Counties	Regional Land Use Maps	DLAO Subdivision Plat File	Wisconsin Land Inventory	Dodge Land Cover Maps	Land Use Resource Maps	Critical Resource and Recreation	County Information Program	As Interpreted from ERTS Imagery	Wisconsin Shoreline Land Use Maps	Project Sanguine Land Use Maps	Wisconsin Soil and Water Maps	County Inventory	Census of Agriculture	Roads de Culture	DNR Septic Tank Inventory	Housing Units Served by Septic Tanks	DNR Solid Waste Facilities Licensing and Monitoring Data	Transportation Accessibility Contour Maps
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HUMAN BELATED RESOURCES

HUMAN RELATED RESOURCES

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COUNTY COVERAGE

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LAND OWNERSHIP

LAND VALUE

HISTORIC AND SCIENTIFIC

	County Trust Banks	DOT Right of Way Plans	Publicly Owned Lands Maps	Land Resources Analysis Program	Public Open Space Maps	County Forest Maps	DNR Projects, Easements, and Ownership Maps	State Owned Lands Maps	National Wildlife Refuge Ownership Maps	National Forest Maps	National Park Service Ownership Maps	Indian Reservation Boundary Maps	DNR Private and Ownership Maps	School Forest Maps	Land Commission Public Trust Lands	Wisconsin Property Tax	Town, Village, and City Taxes	Statistical Report of Property Values	Historic and Architectural	Wisconsin Archaeological	Wisconsin State Scientific	County Natural Areas Inventory
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HUMAN RELATED RESOURCES

Subsection: POPULATIONSection: Human Related ResourcesData type: Published TabularDate of Collection: 1970; repeated every ten years.Date of Publication: Specific reports periodically published in pamphlet form beginning approximately 6 months after collection (computer tapes available 2-3 months earlier). Complete bound copy published in 1973.Detail:Aggregation: Data is collected by enumeration districts (average population 1,000) for rural areas and census tracts (average population 4,000) for SMSA's. Block census data is available for all municipalities that had a population over 5,000 in 1960. Data is also aggregated at state, county, SMSA, city, town, and village levels.Quality:Timeliness: Compiled every 10 years. Data is published on a delayed basis.Sources: U.S. Department of Commerce, Soil & Economic Statistics Administration; Bureau of the CensusTextual Description: Data collected for the U.S. Census of Housing and Population covers general population characteristics, the percent of population living in areas of specific size, housing characteristics, owner and renter occupancy, plumbing facilities, etc. The data is cross-tabulated to show correlations between variables. The Census Data System Catalog should be reviewed for listings of available information. The Wisconsin Profile Series...Population, April 1971 should be reviewed for analysis of census data for the state. This includes a discussion of results, implications, population characteristics, population change and density.Contact for Purchase:Superintendent of Documents
U.S. Government Printing Office
Washington D.C. 20402

or

Department of Commerce Field Offices
(GPO and Census Bureau publish
lists of available information)Public libraries normally have
census information available.Contact for Information:U.S. Bureau of Census
or
Census Coordinator
State Bureau of Planning and
Budget
1 West Wilson St., Room B-135
Madison, Wisconsin 53702
(608)266-0265 or (608) 266-1927

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Subsection: POPULATION
Section: Human Related Resources
Data type: Published Tabular

Date of Collection: Yearly

Date of Publication: Yearly

Detail: Age and sex estimates are made for the present year.

Aggregation: By county, city, village and town.

Quality: Best estimates available

Timeliness: Published yearly

Sources: U.S. Bureau of the Census; Census of Population; Public Health Statistics, Wisconsin; Department of Public Instruction; DOR; DNR

Textual Description: Each year the state makes estimates of the current population for municipalities and counties. The estimates are based on public health statistics, school enrollment data, motor vehicle registration and revenue data.

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Contact for Purchase:

State Document Sales
 202 South Thornton Avenue
 Madison, Wisconsin
 (608) 266-3358

Contact for Information:

County Clerks
 or
 Information Systems Unit
 Bureau of Planning & Budget
 Department of Administration
 1 West Wilson Street
 Madison, Wisconsin 53702
 (608) 266-1927

Subsection: POPULATION
Section: Human Related Resources
Data type: Published Tabular

Date of Collection: Census data used including 1970

Date of Publication: 1975

Detail: Age and sex projections are made for 5 year intervals through the year 2000.

Aggregation: Projections for state and individual counties.

Quality: Best projections available

Timeliness: Revisions made approximately every 2 years

Sources: U.S. Bureau of the Census, Census of Population; DOA Information Systems Unit

Textual Description: Population projections are made by the Department of Administration Information System Unit for 5 year intervals through the year 2000. The projections are broken into age and sex categories. They are published in their entirety in Wisconsin Population Projections, 3rd Edition, June 1975.

Contact for Purchase:

State Document Sales
202 South Thornton Avenue
Madison, Wisconsin
(608) 266-3358

Contact for Information:

Information Systems Unit
Bureau of Planning & Budget
Department of Administration
1 West Wilson Street Room B135
Madison, Wisconsin 53702
(608) 266-1927

STATEWIDE

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Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: POPULATION
Section: Human Related Resources
Data type: Published Tabular

Date of Collection: 1972

Date of Publication: 1972

Detail:

Aggregation: Alphabetically by county and alphabetically within each county. Includes towns, cities, villages and unincorporated places with over 1,000 population.

Quality: Subject to the methodological limitations of population projections.

Timeliness: Projections made until 1990, haven't been updated.

Sources: US Bureau of Census, DNR

Textual Description: The Small Area Population Projections for Wisconsin, Department of Natural Resources Technical Bulletin #59 includes information on population for towns, cities, villages and unincorporated places with a population greater than 1,000. Population figures are given for 1940-1970 and projections are given for 1980 and 1990. Also included is the percent change in population for each decade, i.e. 1950-1960.

Contact for Purchase:

Contact for Information:

Dept. of Natural Resources
Box 450
Madison, Wisconsin 53701

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: POPULATION

Section: Human Related Resources

Data type: Published and unpublished tabular

Date of Collection: 1964 - present

Date of Publication: 1966 - present

Detail: Projections are usually for 5 or 10 year intervals until 1980, 1985, 1990 or 2000.

Aggregation: Usually for county and/or municipality.

Quality: Usually detailed information. Population projections or forecasts are subject to methodological limitations.

Timeliness: Up to date except in areas of rapid change.

Sources: U.S. Department of Commerce, Bureau of the Census; DOA; DNR

Textual Description: Regional population characteristics analyses are available from certain regional planning commissions. These analyses usually contain a discussion of past and present population trends as well as population projections. Population characteristics such as birth rate, death rate, age-sex pyramids, etc. are also normally included.

Contact for Purchase:

Contact for Information:

Specific RPC

Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark

Crawford

Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson

Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland

Rusk
St. Croix

Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

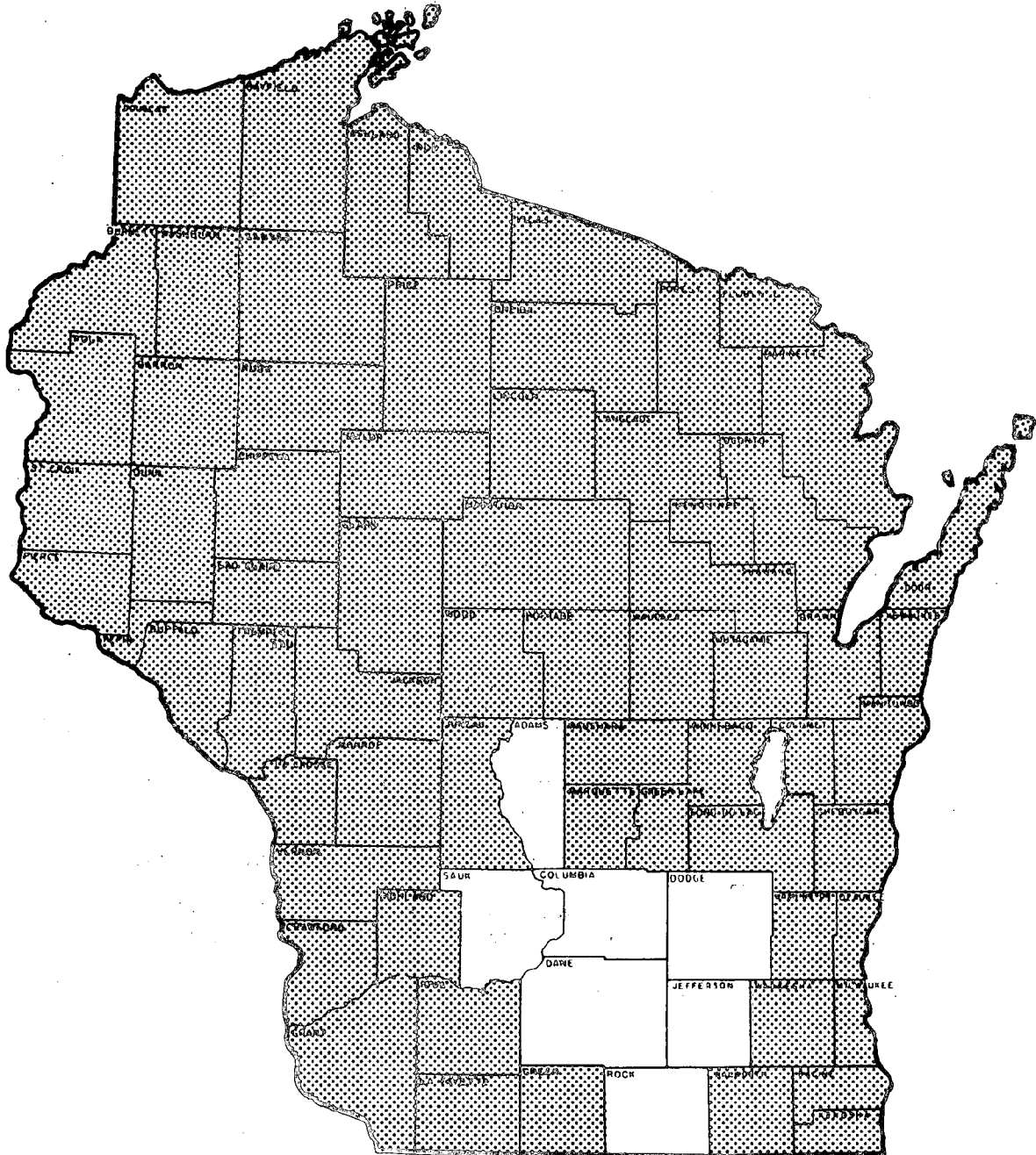
Revised 1976

REGIONAL POPULATION CHARACTERISTICS

Regional Planning Commission	Date of Collection (C) Date of Publication (P)	Projection Intervals	Aggregation	Availability	Comments
East Central Wis. RPC	Yearly (C) 1976 (P)	5 years until 2000	By region, county, SPSA and minor civil divisions.	Available upon request-contact RPC.	Minor civil division population projections based on DOA projections by county. }
Mississippi River RPC	Yearly (C)	5 years until 1990	By minor civil divisions.	Available upon request-not published.	Continually updated.
West Central Wis. RPC	1973 (P)	10 years until 1990	By region, county, township, and city.	Published-available.	See: <u>Population Study for West Central Wisconsin Region.</u>
Northeastern Wis. RPC (former)	1970 (P)	10 years until 1990	By township for Florence Co. only.	Contact NCWRPC for possible copies	See: <u>Population Study for Forest County.</u>
Southwestern Wis. RPC	1973 (P)	10 years until 2000	By county and township	Published-available	See: <u>Population Analysis of the Southwestern Wisconsin Region (Planning Report #2).</u>
Wolf River Basin RPC (former)	1964/1966	1980	By region.	Contact NCWRPC or ECWRPC for possible copies.	See: <u>Wolf River Region Comprehensive Planning Program (Ch III).</u>
Southeastern Wis. RPC	Yearly (C)	10 years until 2000	By region, county, planning analysis areas (60 in region); Also "population allocations" made for each 1/4 section.	Published-available	See: <u>Population of Southeastern Wisconsin; Economy of Southeastern Wisconsin.</u>
Northwest RPC	1968 (P)	5 years until 1985	By county	Not available-contact RPC	
Green Bay/Brown County PC	1975 (C) 1976 (P)	Projections for year 2000	County sectors for Brown County	Published-available.	See: <u>Population and Employment Update (Work Paper #1).</u>
Bay Lake RPC	1975 (P)	5 years until 2000	By region and county	Published-contact BLRPC.	See: <u>General Population Characteristics 1840-1970.</u>

Revised 1976

REGIONAL POPULATION CHARACTERISTICS



WISCONSIN State Planning Office
Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: POPULATIONSection: Human Related ResourcesData type: Unpublished tabularDate of Collection: 1975; updated annuallyDate of Publication: Current files

Detail: Includes tabular breakdown of owner and renter housing types according to standard and substandard housing; elderly or non-elderly; income; household size.

Aggregation: By county, SMSA and any minor civil division (including towns, villages and cities) and state summary.

Quality: Best estimates available on a statewide basis.

Timeliness: Will be updated annually.

Sources: U.S. Bureau of Census, U.S. Department of Commerce, HUD, DOA, DLAD.

Textual Description: DLAD and HUD developed this data system to assist local governments in preparing two tables of the Housing Assistance Plan required under the federal 1974 Housing and Community Development Act. "Table I information" inventories the existing owner and renter type housing stock. Estimates are made for the number of owner and renter type housing units occupied (both standard and substandard), vacant and suitable for rehabilitation. "Table II information" presents estimates of housing assistance needs, by number of housing units, for lower-income families residing in a community. Separate estimates are made for the housing needs of elderly family and large family households. Forecasts are made for 1980 for counties. This information is stored on computer files at DLAD and printed tables are available on request.

Contact for Purchase:

Contact for Information:

Division of Housing
Department of Local Affairs
and Development
123 W. Washington Avenue
Madison, Wisconsin 53702
(608) 266-1018

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

Subsection: LAND USE/LAND COVER
Section: Human Related Resources
Data type: Published Tabular

Date of Collection: 1974

Date of Publication: 1974

Detail:

Aggregation: By county and by municipality for entire state.

Quality:

Timeliness: Up to date at time of publication.

Sources: Survey of Counties conducted by Wisconsin Taxpayers' Alliance (WTA).

Textual Description: Zoning ordinances consist of a series of regulations controlling specific land uses. They normally consist of regulations for residential, commercial and industrial uses and may be further subdivided. The August, 1974 issue of the Wisconsin Taxpayer is devoted to county and municipal zoning. It gives information on counties with zoning ordinances, number of townships which have adopted these ordinances, number of townships with their own ordinance and towns without any zoning. Information is also given for villages and cities. The worksheets used by WTA contain information for each township, village and city showing the status of zoning ordinances in that specific municipality. It also gives the date of the county zoning ordinance if one exists.

Contact for Purchase:

Wisconsin Taxpayers' Alliance
 335 W. Wilson Street
 Madison, Wisconsin 53702
 (608) 255-4581

Contact for Information:

Zoning Administrator of
 Specific Municipality or
 County
 or
 Wisconsin Taxpayer's Alliance
 335 W. Wilson Street
 Madison, Wisconsin 53702
 (608) 255-4581

STATEWIDE

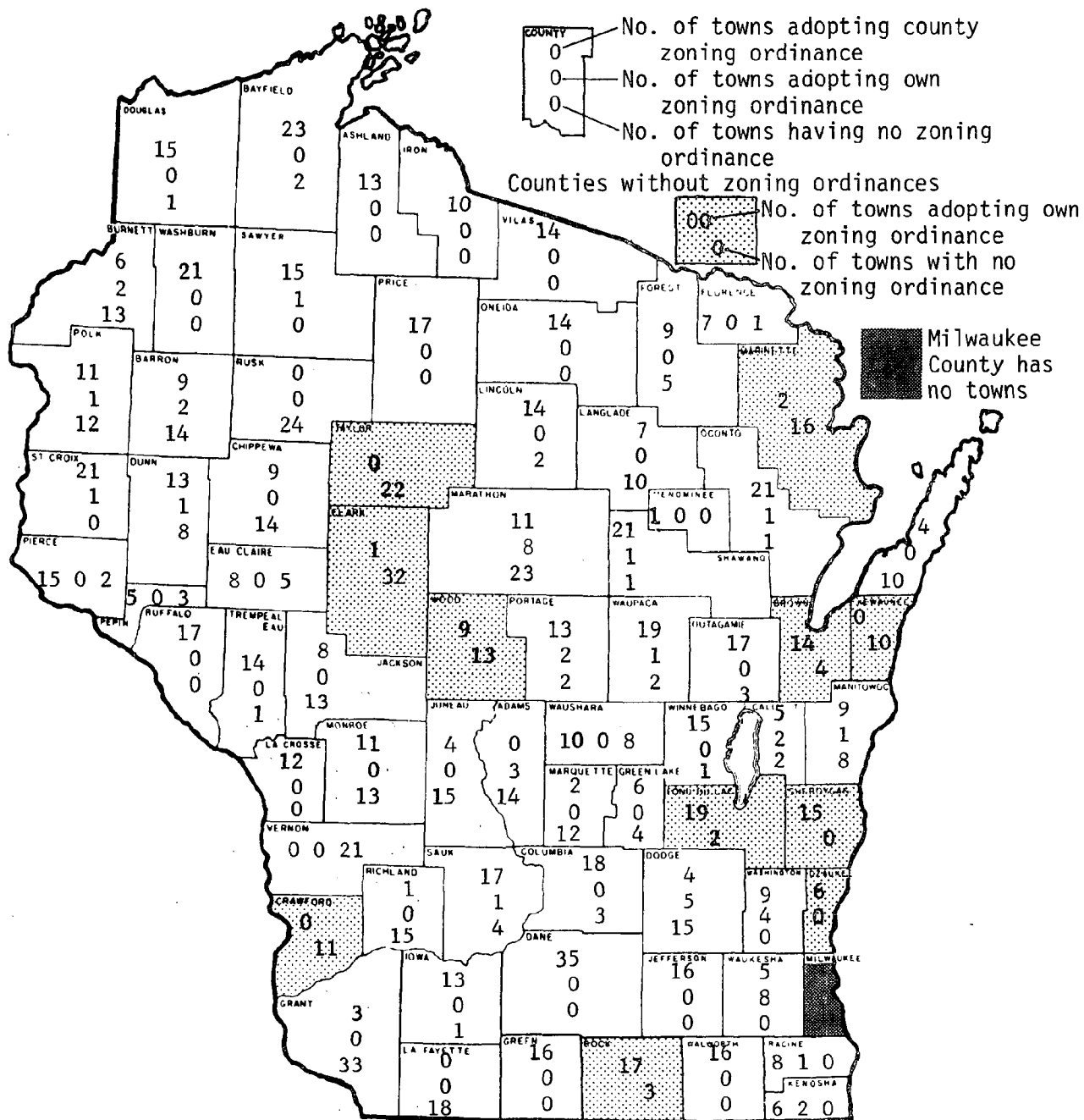
Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

STATUS OF ZONING IN WISCONSIN TOWNS AND COUNTIES

1974

LEGEND

Counties with zoning ordinances



Subsection: LAND USE/LAND COVER

Section: Human Related Resources

Data type: Published and unpublished maps

Date of Collection: 1962 - present

Date of Publication: 1963 - present

Detail: Varies; scales range from 1:4,800 to 1:250,000. Level of detail ranges from site specific to extremely generalized data.

Aggregation: Varies from 1/4 section to entire region.

Quality: The site specific maps are useful for making detailed locational decisions while the generalized maps can only be used for making broad based, regionwide decisions.

Timeliness: Up to date except in areas of rapid change.

Sources: Aerial photography, field surveys, DOT.

Textual Description: The regional planning commissions of Wisconsin usually have generalized existing land use information for their region. The information is mapped and may also be in a tabular format. The land use data is usually subdivided into the following categories: commercial, industrial, residential, parks and recreation, public and quasi-public, agriculture, transportation and utilities, forests, etc. The maps are useful for general planning but are not very useful for site specific decisions. This can be attributed to the regionwide functions of the RPC's. In addition to the general land use maps the regional planning commission may have more detailed, unpublished information such as structural inventories, proposed land use plans, etc.

Contact for Purchase:

Contact for Information:

Specific RPC

Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark

Crawford
Dane

Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson

Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland

Rusk
St. Croix

Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

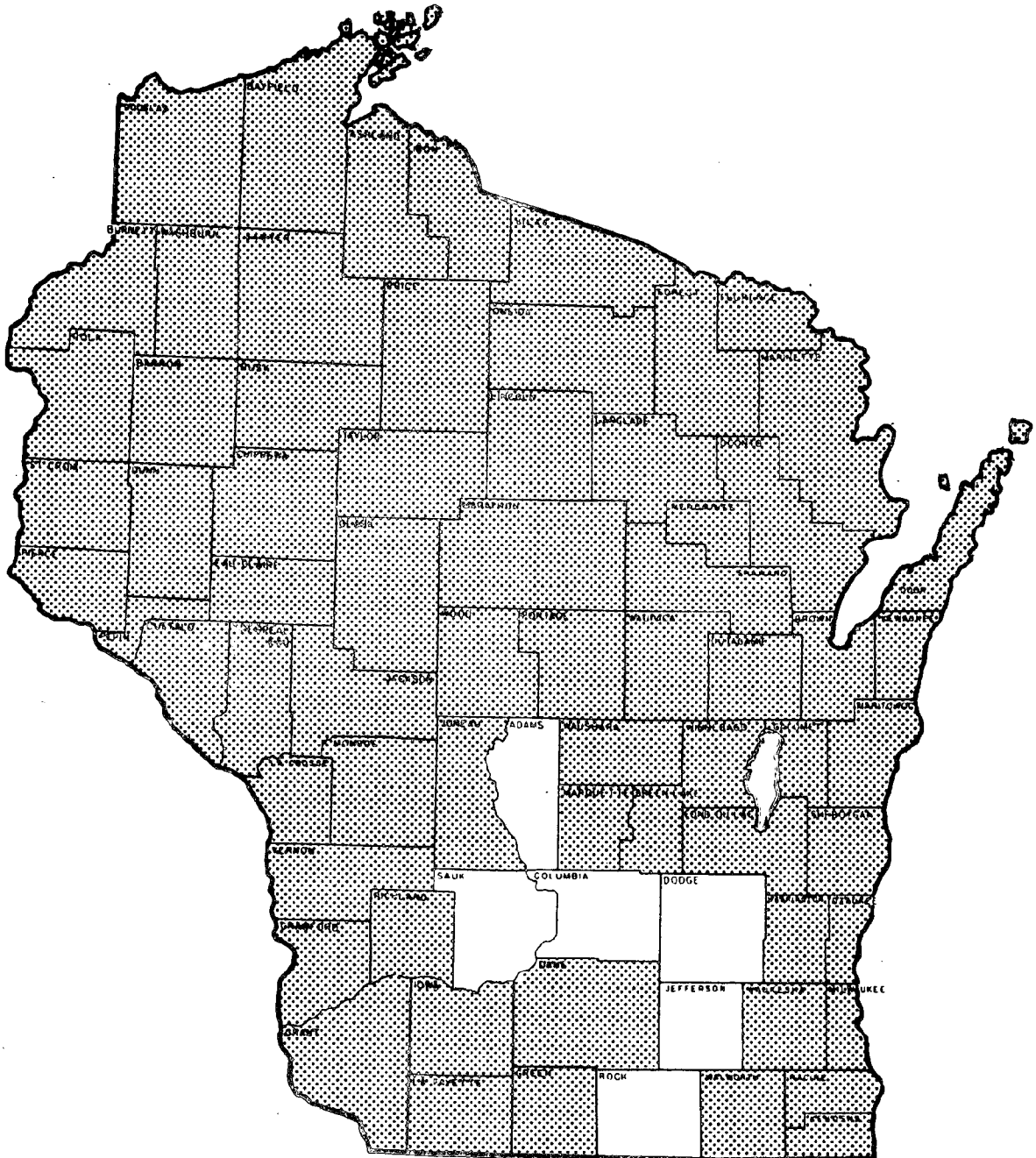
Revised 1976

REGIONAL LAND USE MAPS

Regional Planning Commission	Date of Collection(C) Date of Publication(P)	Detail	Aggregation	Availability	Comments
Green Bay/Brown County PC	1970 (C,P) Update 1974, 1975	1:4,800-urban areas 1:12,000-rural areas 1:24,000-entire county	Site specific information by township, village & City of Green Bay.	1:24,000 county maps reproducible. Other maps nonreproducible; must be used at GB/BC PC.	Tabular information in <u>Brown County 1970 Land Use Survey</u> .
Dane County RPC	1964 (C) 1970 (C) 1972 (P)	1:12,000-township 1:2,400-villages Various-cities Tabular: by community	Site specific information for towns, villages & cities. Highly detailed tabular data.	Maps nonreproducible; must be used at DCRPC. Tabular data published and available.	See: <u>Land Uses in Dane County</u> .
East Central Wis. RPC	1971 (C)	1:4,800	On aerial photos, site specific information.	Nonreproducible; must be used at ECWRPC.	On air photos. See index map.
Mississippi River RPC	1973-1974 (C) 1976 (P)	1:24,000	Site specific information by township excluding incorporated areas.	Published-available	Maps available for Pierce, Trempealeau and Crawford Co. La Crosse County in preparation; Buffalo and Pepin Co. to follow.
Northeastern Wis. RPC (former)	1969 (P)	1:63,360	Spatially generalized by county.	Copies may be available from NCWRPC or ECWRPC.	
Northwest RPC	1966-1975 (C) 1975 (P)	1:2,400	By county. Spatially generalized information.	Published-available. Tabular information available-contact NWRPC	Maps available for Taylor, Rusk, Price, Sawyer, Washburn and Burnett Co. Remainder of region to follow.
Southeastern Wis. RPC	Maps 1963, 1970 (P) Tabular inventories 1963, 1967, 1970	1:96,000	Mapped for region, aggregated by 1/4 section from air photos. Site specific	Reproducible	<u>Regional Sewer and Water Plan</u> contains 1970 generalized Land Use Map. Tabular information by 1/4 section stored on computer files.
Southwestern Wis. RPC	1969-1973 (C) 1973 (P)	1:24,000-township 1:63,360-county 1:4,800-villages, cities and unincorporated areas	Site specific data for county, city, villages, and townships	Color original is nonreproducible. Black & white is reproducible.	See: <u>Land Use Analysis of Southwestern Wisconsin</u> . It contains mapped and tabular data.
West Central Wis. RPC	1973 (P)	1:125,000	By county, Spatially generalized information.	Published-available	Cultural land use maps.
Wolf River Basin RPC (former)	1964 (P)	1:250,000 (Approx.)	Entire region. Spatially generalized information	Copies may be available from NCWRPC or ECWRPC.	Included in <u>Wolf River Basin Comprehensive Planning Program</u> .
Bay Lake RPC	1976 (C)	1:9,600-delineated on air photos. 1:250,000 base maps	Lake Michigan coastal areas.	Maps nonreproducible. Tabular information available-contact BLRPC	Data being collected and mapped.

Revised 1976

REGIONAL LAND USE MAPS



WISCONSIN	State Planning Office
	Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: LAND USE/LAND COVER
Section: Human Related Resources
Data type: Unpublished Tabular

Date of Collection: 1934 - present

Date of Publication: Current files

Detail: Includes all land divisions of five parcels or more, or divisions into lots of 1 1/2 acres or less. Data includes general information, an exact legal description of the plat, and a map.

Aggregation: Statewide coverage. All subdivision plats (except the city of Milwaukee) are on microfilm and also filed by name of plat, by county, and by year at DLAD. The original documents are recorded at the local (county) level.

Quality: Plats are very consistent and accurate (they are prepared by registered surveyors). The recording process at DLAD is also consistent and accurate. At the local level the records are variable in aggregation, format and accessibility.

Timeliness: Current files. An estimated 6 month lag time between submission of preliminary plat and final plat approval.

Sources: Individual owner and surveyor, local government (county, town, city), DLAD, DOT, DNR, H&SS.

Textual Description: The platting of land is reviewed and authorized by several state and local authorities under Chapter 236 of the Wisconsin Statutes. Each authority has a special function (DOT review rights-of-way to highways, towns review plats in light of local ordinances, etc.). DLAD is the lead agency in the review; they check the surveying requirements, lot layout requirements, the general format of the application, they distribute the applications to the other authorities for review, and they maintain a file of all plats submitted in the State. Approximately 10,000 plats have been approved or certified by DLAD. Files for all subdivisions under Chapter 236 have been maintained since 1957. Data contained in each plat file includes the name of plat, county, location (legal description), surveyor's name, date certified, size of plat, and a map.

The specific requirements of the law do not include subdivisions of four parcels or less, or parcels over 1 1/2 acres in size. These subdivisions are not reviewed under the State law.

Contact for Purchase:

Contact for Information:

Division of State-Local
 Affairs
 Department of Local Affairs
 and Development
 123 West Washington Avenue
 Madison, Wisconsin 53702
 (608) 266-3200

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: LAND USE/LAND COVER

Section: Human Resources

Data type: Published Maps

Date of Collection: 1928 - 1955

Date of Publication: 1929 - 1955

Detail:

Aggregation: Maps compiled at 1:15,840, and a majority of the maps were published at 1:63,360. By county with individual township maps except for Milwaukee and Menominee Counties [Area of present day Menominee County covered in Shawano, Oconto & Langlade Counties].

Quality: Survey had strong agricultural bias which resulted in identification of more agricultural land than actually exists. There were also errors in the surveying methods.

Timeliness: The survey has never been updated and as much as 50% of the information is out of date. The survey has little modern value except as a historical source.

Sources: Field surveys, air photos and original Public Land Survey notes.

Participating agencies included: Wisconsin Land Economic Inventory Division (Bordener and Morris), Wisconsin State Planning Board, WPA, Wisconsin Department of Agriculture.

Textual Description: This series of land cover maps shows the land cover of each township. It includes the type of vegetation (hardwoods, pine, cleared crop land, pasture, cranberry marsh, etc.) as well as planting recommendations. Wooded areas were also differentiated by density of stands and the average diameter of the trees in a given cover area. Drainage features are included, as well as roads (by type), power lines, railroads, etc. Miscellaneous features such as gravel pits, quarries, cemeteries, dumps, and beaver dams are also shown. Specific land uses also appear on the map. They include houses (occupied and vacant), schools, churches, factories, stores, garages, mills, hotels, farms, etc.

The maps can be seen in a published form at the State Historical Society or at the UW Map and Air Photo Library. The original tracing cloth drawings can be seen at the State Historical Society.

Contact for Purchase:

Contact for Information:

State Historical Society
of Wisconsin
Archives-Manuscripts Reading
Room
816 State Street
Madison, Wisconsin 53706
(608) 262-3338

or
University of Wisconsin-Madison
Dept. of Geography Map and Air
Photo Library
Room 384 Science Hall
Madison, Wisconsin 53706
(608) 262-1471

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee

Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

WISCONSIN LAND INVENTORY-

LAND COVER MAPS

LEGEND

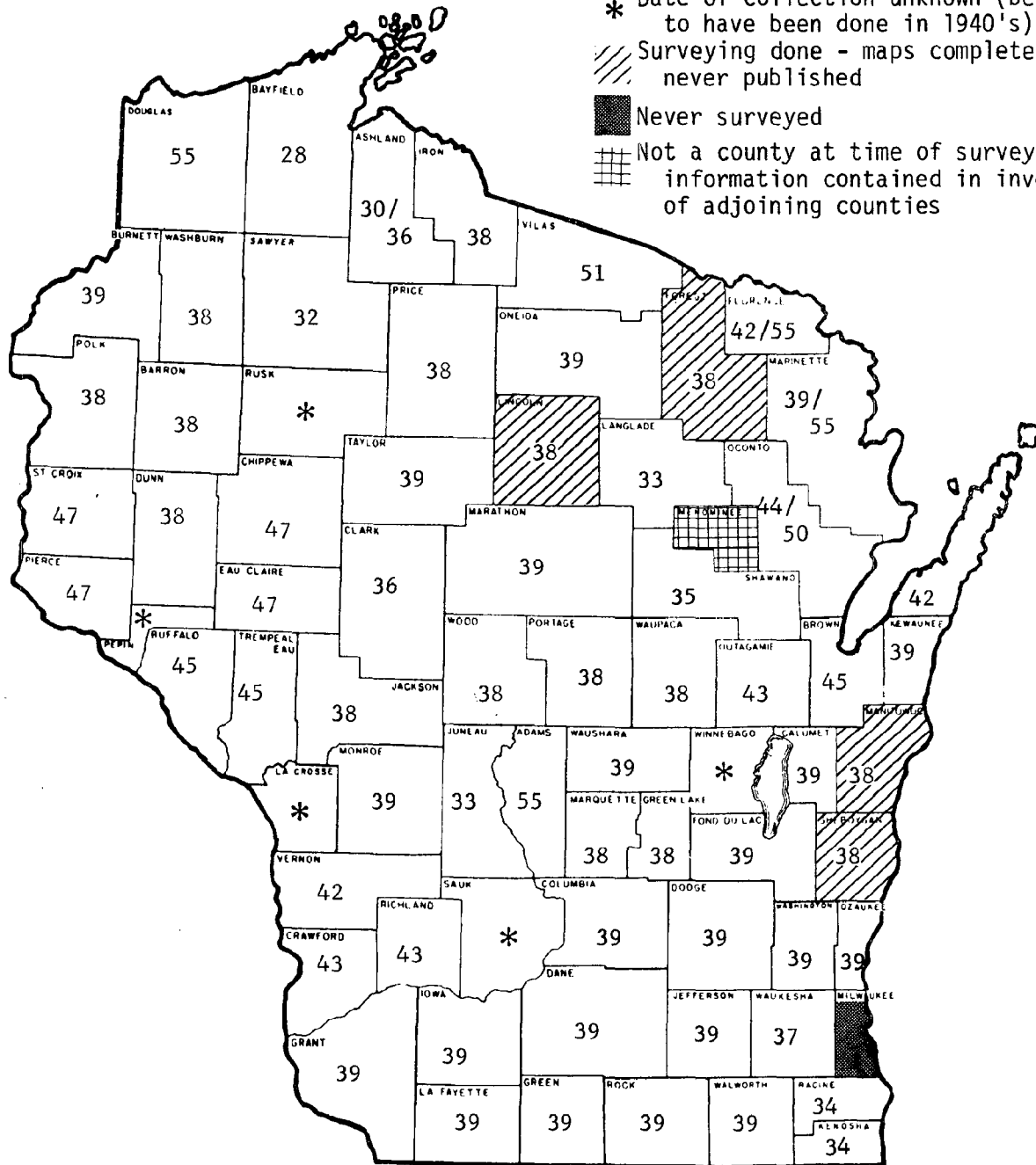
Number in County is date of collection

* Date of collection unknown (believed to have been done in 1940's)

Surveying done - maps completed but never published

Never surveyed

Not a county at time of survey - information contained in inventories of adjoining counties



WISCONSIN State Planning Office
Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: LAND USE/LAND COVER
Section: Human Related Resources
Data type: Unpublished Maps

Date of Collection: 1959 - 1961

Date of Publication: Never published, completed in 1961 - 1962

Detail: 1:63,360

Aggregation: For each county in state.

Quality: Land cover maps are generalized--they do not show site specific information. Original sources (air photos) were poor and incomplete.

Timeliness: Never updated

Sources: Air photos secured by former Department of Resource Development

Textual Description: Maps show conservation areas, pasture and woodlands, wetlands (non-wooded), parks, croplands, urban core areas, stable urban and rural settlements, unstable areas of development, public and private institutions, airports, drainage features, and Public Land Survey lines.

Contact for Purchase:

Contact for Information:

Bureau of Tourism and
Commercial Recreation
Department of Natural
Resources
P.O. Box 450
Madison, Wisconsin 53701
(608) 266-3095

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: LAND USE/LAND COVER
Section: Human Related Resources
Data type: Published Maps

Date of Collection: 1962 and 1963

Date of Publication: 1964

Detail: 1:125,000

Aggregation: Statewide coverage: Maps are for multi-county areas.

Quality: Symbols showing points of special interest are generalized in location.

Timeliness: Maps have been updated, may be out of date.

Sources: USGS quadrangle maps, SCS, DOT, former Wisconsin Conservation Department, UW Extension, compiled and published by former Department of Resource Development

Textual Description: Maps show topography, drainage areas (lakes, wetlands, rivers, etc.), environmental corridors, transportation facilities (roads, railroads, airports), existing and proposed public lands and county and municipal boundaries. Points of special interest such as wildlife, recreation facilities, historic sites, scenic features are indicated by symbols.

Contact for Purchase:

Contact for Information:

Division of Tourism & Commercial
 Recreation
 Department of Natural
 Resources
 P.O. Box 450
 Madison, Wisconsin 53701
 (608) 266-3095

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

2.2.7

HERITAGE AREAS PROGRAM (FORMERLY
CRITICAL RESOURCE INFORMATION PROGRAM)
COUNTY INFORMATION BOOKLETS

2.2.7

Subsection: LAND USE/LAND COVER

Section: Human Related Resources

Data type: Published tabular and maps

Bayfield

Date of Collection: 1974-present

Date of Publication: 1974-present

Crawford

Detail: 8 categories of natural and cultural resource areas were identified by local participants in a workshop format. Critical resource areas within each category were identified, rated, and delineated on DOT County Highway Maps.

Douglas

Aggregation: By county: only 12 counties completed to date. Individual booklets published for each county.

Quality: Variable. This information is subjective in that it is citizens' perceptions of critical areas.

Iron

Timeliness: Up to date; program is ongoing.

Juneau
Kenosha
Kewaunee

Sources: Local participants in each county, UW-Madison CRIP program, UW-Extension Heritage Areas Program.

Textual Description: The Heritage Areas Program is a continuation and revision of the former Critical Resource Information Program (CRIP). County information booklets were compiled as a result of a series of workshops held in each county (see map). The critical resources were aggregated into the following 8 groups: commercial vegetation; agricultural land; historic, cultural, architectural and archeological resources; scenic areas; minerals and special geologic features; natural areas; water resources; and wildlife and recreation. The categories may vary in different counties. The information booklets include resource areas, a relative rating of criticality for the areas within each category, names of participants, and a general textual description of the workshops and the Heritage Areas Program.

Manitowoc

Oconto

Ozaukee

St. Croix

Contact for Purchase:

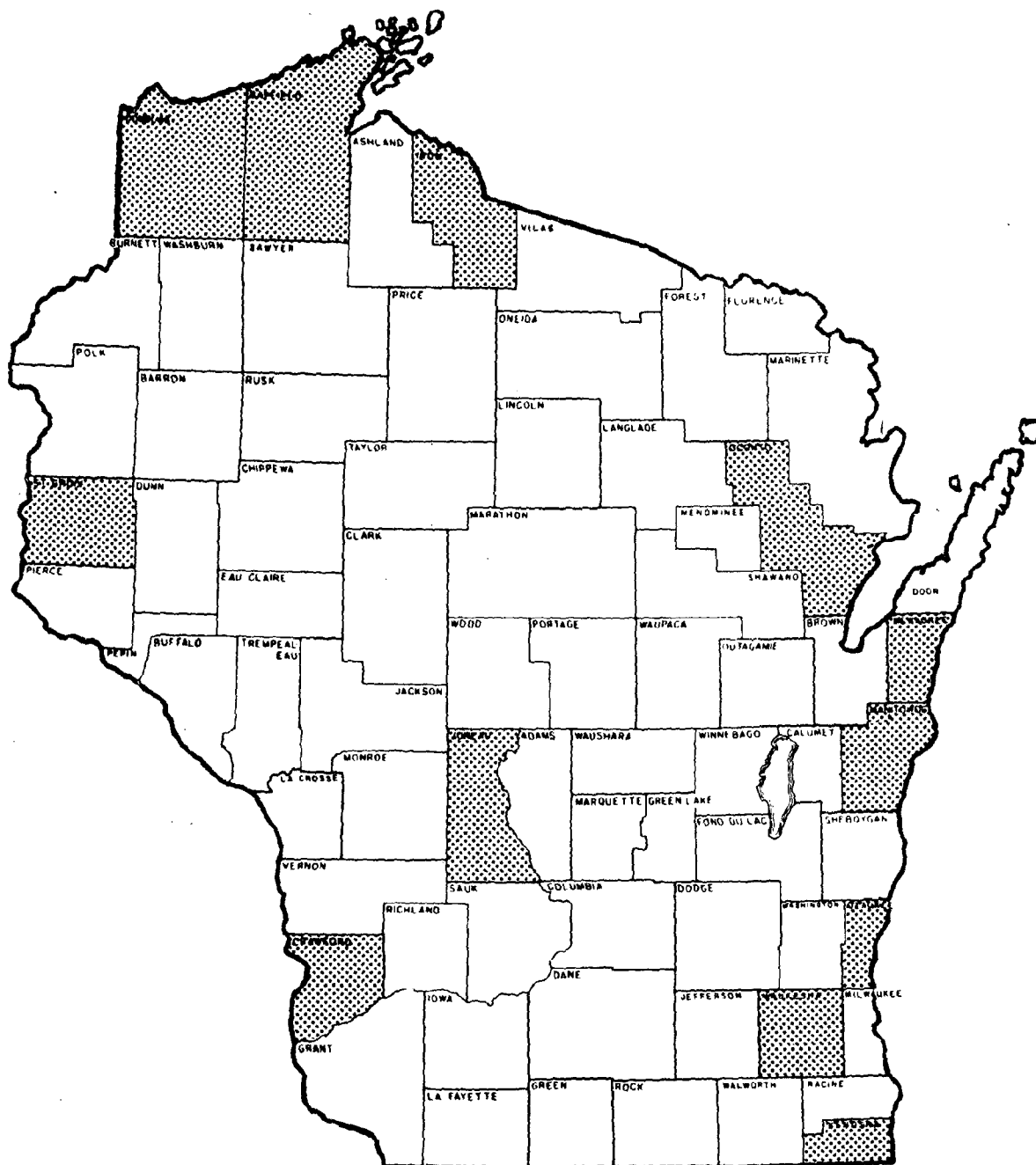
Contact for Information:

University of Wisconsin-
Extension
25 Ag Hall
Madison, Wisconsin 53706
(608) 263-3903 or 262-2677

Waukesha

Revised 1976

HERITAGE AREAS PROGRAM COUNTY STUDIES



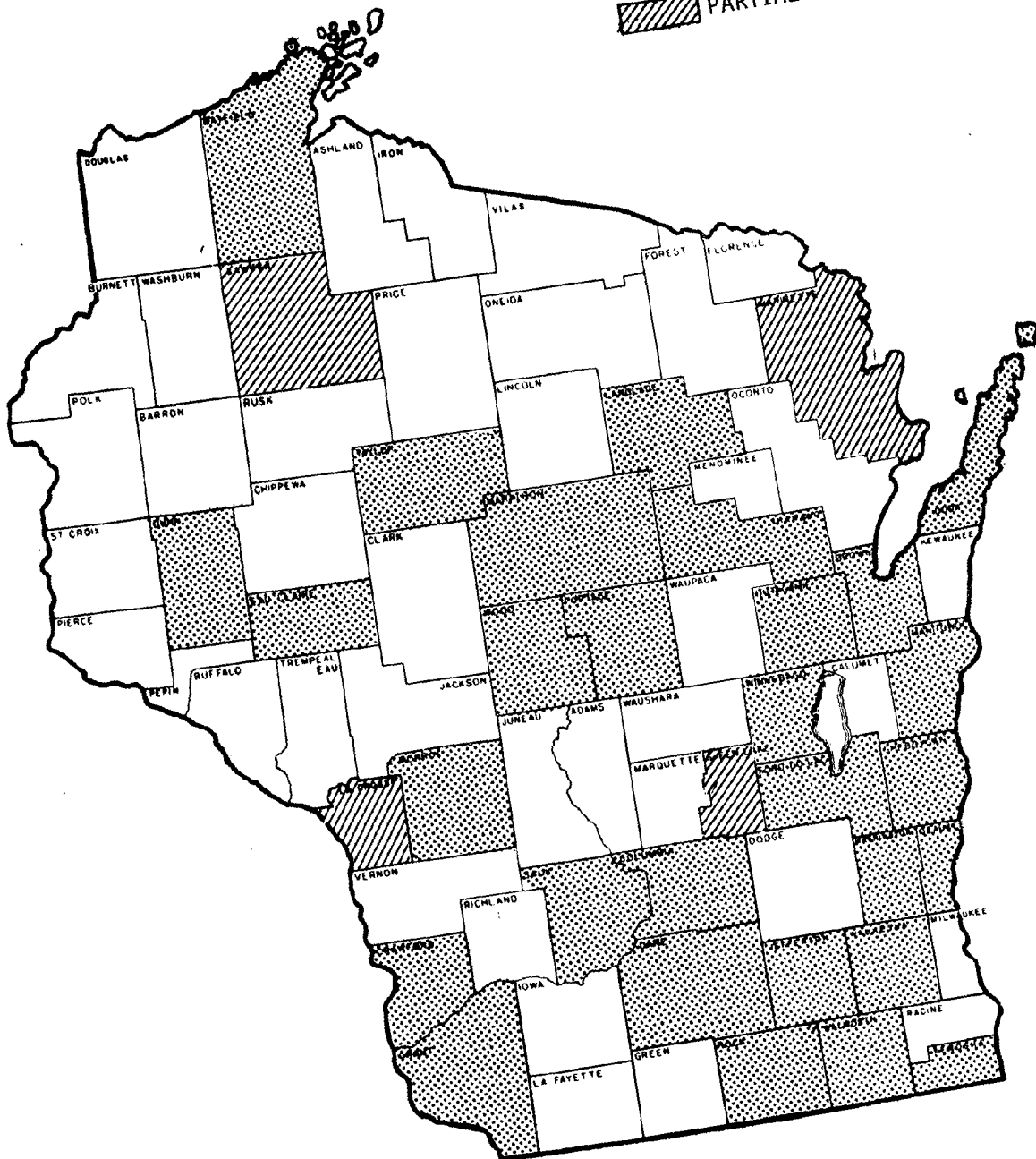
WISCONSIN	State Planning Office
	Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

COUNTY PROPERTY TAX MAPS

 TOTAL COVERAGE
 PARTIAL COVERAGE



WISCONSIN State Planning Office
 Department Of Administration

1976
 WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: HISTORIC AND SCIENTIFIC SITES

Section: Human Related Resources

Date type: Unpublished Tabular and Maps

Date of Collection: Continuous

Date of Publication: Current files

Detail: Rural areas mapped on USGS 1:62,500 quadrangle maps. Urban areas mapped on DOT page-sized County Highway Maps.

Aggregation: Statewide inventory. Information is tabulated by county and metropolitan area. Information is crosslisted by thematic subject (i.e. architectural type, architect, etc.)

Quality: Varies with field survey methods employed and thoroughness of the inventory.

Timeliness: Continuous inventory - constantly expanding. Complete state inventory expected to be available by 1983.

Sources: Field surveys by State Historical Society staff

Textual Description: The State Historic Society has information available for each historically or architecturally relevant site or building. The information contains location of site, reason for listing, architect (if relevant) and a brief description. A photo of the site accompanies each card. The site locations are mapped and are also cross-filed by theme.

Contact for Information:

State Historical Society
of Wisconsin
Historic Preservation
816 State Street
Madison, Wisconsin 53706
(608) 262-9504

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
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Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
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Manitowoc
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Menominee
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Oconto
Oneida
Outagamie
Ozaukee
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Racine
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Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: HISTORIC AND SCIENTIFIC SITES

Section: Human Related Resources

Data type: Unpublished Tabular

Date of Collection: The codification file was created in the early 1960's utilizing previous collections of site locations assembled during the 1930's as a WPA project.

Date of Publication: On file

Detail:

Aggregation: By County and civil townships within counties.

Quality: Dubious merit since the data are inaccurate in many cases. The sites inventoried only comprise a small percent of the potential sites since many areas were never inventoried.

Timeliness: Out of date. The conditions of the sites as reported in the early part of this century are unavailable.

Sources: Field surveys, and data from the Milwaukee Public Museum.

Textual Description: The Wisconsin Archeological Codification File is kept by the Anthropology Section of the State Historical Society. The data are incomplete and inaccurate in many places and represents only the information for the specific areas surveyed. Other areas have never been field surveyed and therefore very little information exists on them. The Codification File is serviced only by the archeologists at the State Historical Society.

Contact for Information:

State Historic Preservation
Officer
State Historical Society
of Wisconsin
816 State Street
Madison, Wisconsin 53706
(608) 262-9566

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
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Outagamie
Ozaukee
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Portage
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Racine
Richland
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Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: HISTORIC AND SCIENTIFIC SITES

Section: Human Related Resources

Date type: Published mapped and tabular

Date of Collection: 1951 - present

Date of Publication: Wisconsin Scientific Areas (1973). A 1976 supplemental brochure, Natural Areas and Scientific Areas, updates this information.

Detail: Varies depending on site. Individual area maps range in scale from 1:15,840 to 1:25,340.

Aggregation: The publication Wisconsin Scientific Areas has regional maps showing the location of individual areas. Individual maps exist for each scientific area. See Scientific and Natural Area Map.

Quality: Incomplete survey, estimated that it will take 12-15 years to finish.

Timeliness: Data is not updated regularly.

Sources: Field surveys by DNR Scientific Areas staff, county officials (extension agent, forester, etc.), air photos, topographic maps, etc.

Textual Description: The Wisconsin Scientific Area booklet lists the area name, location and type of each officially designated scientific area and discusses the scientific area program. Individual maps are on file at DNR. These maps show location, boundaries, natural features, roads, and vegetation types. In addition, tabular data exists for each scientific area which describes the main features of the area, history of land use, access to area, location, and administrative information.

All other known natural areas or potential scientific areas are located by point data on county maps. These maps are also maintained in the Scientific Areas files.

Contact for Information:

Scientific Areas Preservation
Council
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707
(608) 266-8916

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
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Green Lake
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Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
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Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood
Revised 1976

Subsection: HISTORIC AND SCIENTIFIC SITESSection: Human Related ResourcesData type: Tabular and maps (published and unpublished)Date of Collection: 1968 to presentDate of Publication:Detail: Sites are plotted on page-sized DOT County Highway Maps. Site specific information is available for each scientific area.Aggregation: By county and also Lakes Michigan and Superior coastal area.Quality: Sites inventoried limited to those called to the attention of research staff.Timeliness:Sources: Field surveys by Scientific Areas staff, air photos, local naturalists.

Textual Description: Natural areas inventories exist for certain counties and the Lakes Michigan and Superior coastal area (see map). A report, Natural Area Inventory: Wisconsin's Coastal Zone, was completed and published in 1976. All entries have some natural area significance as remnants of pre-settlement vegetation, extensive areas of undeveloped land, outstanding animal habitat or other features of natural area interest. The types of information for each entry include: name, location by quarter/quarter section, ownership, size, natural area rating (state scientific area quality, regional or natural area quality, or local significance) and a brief discussion of the features. Information is also available for potential sites. Maps are included which show sites of state scientific area quality, existing state scientific area and natural site locations.

Contact for Purchase:Contact for Information:

Scientific Areas Preservation Council
 Department of Natural Resources
 Box 7921
 Madison, Wisconsin 53707
 (608) 266-8916

Ashland
 Barron
 Bayfield
 Brown

Chippewa
 Clark

Crawford
 Dane

Door
 Douglas
 Dunn
 Eau Claire

Grant
 Green

Iowa
 Iron

Jefferson

Kenosha
 Kewaunee
 La Crosse
 Lafayette

Manitowoc

Marinette

Milwaukee
 Monroe
 Oconto

Ozaukee

Polk

Racine
 Richland
 Rock

St. Croix
 Sauk

Sheboygan

Vernon

Walworth
 Washington

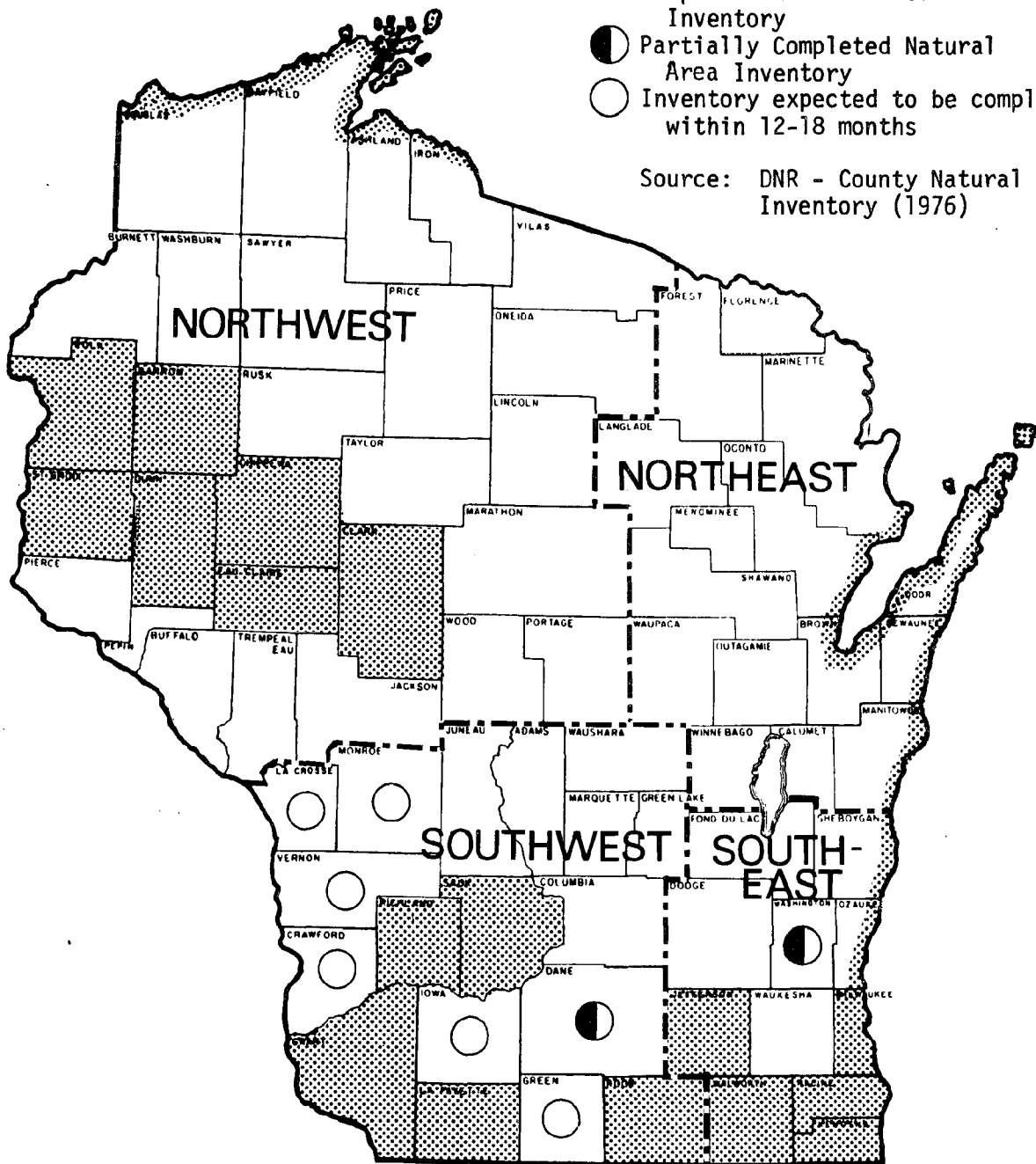
Revised 1976

SCIENTIFIC & NATURAL AREA PROGRAMS & INSTITUTIONAL USE REGIONS

LEGEND

-  Completed Natural Area Inventory
-  Partially Completed Natural Area Inventory
-  Inventory expected to be completed within 12-18 months

Source: DNR - County Natural Areas Inventory (1976)



WISCONSIN	State Planning Office
	Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Human Related Resources

Data type: Published tabular

Date of Collection: April 1970

Date of Publication: 1972

Detail: All published census reports, maps, and magnetic tapes of Census data for Wisconsin are on file at the Clearinghouse.

Aggregation: Statewide coverage. Published material generally covers census data down to places with 2,500 population or more. Magnetic tapes and fifth count summary data cover all places (of all sizes) in Wisconsin.

Quality: One of the most comprehensive sources for census related information in the State.

Timeliness: Ongoing program.

Sources: U.S. Dept. of Commerce, Bureau of the Census.

Textual Description: The DOA Census Clearinghouse serves State and local government and the general public in procuring data and information regarding the 1970 U.S. Census of Population and Housing. Some information is also available on other Federal censuses (Census of Agriculture, Manufacturing, Retail Trade, etc.). The Clearinghouse also has on file a collection of all special census reports prepared for Wisconsin (census tract reports, special subject reports), the major 1960 census reports for Wisconsin, and the major 1970 reports for all other states.

Limited amounts of printed census data can be copied free of charge at the Clearinghouse; larger amounts will be provided at cost. The computerized census data system is normally available only to State government agencies or units working with such agencies. Other sources of census data are the UW-Madison Center for Demography and Ecology and the Applied Population Laboratory, State Historical Society, and Legislative Reference Bureau Library.

Contact for Purchase:

Contact for Information:

Census Clearinghouse Coordinator
Information Systems Unit
Department of Administration
Room B-130
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-1927

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
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Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
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Milwaukee
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Oneida
Outagamie
Ozaukee
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St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Human Related ResourcesData type: Mapped and tabular (published and unpublished), LibraryDate of Collection: Ongoing collection. Some maps are as old as 450 years.Date of Publication:Detail: Library includes several thousand maps, plats, photographs, USGS topographic maps (1888-present), etc. Archives and Manuscripts Division has over 19,000 cubic feet of records (over 15 million manuscripts) covering governmental, political and historical subjects.Aggregation: Various catalogs, references to periodicals, descriptive guides, card catalogs, etc. are available to assist in locating material. Maps and manuscripts cover Wisconsin and various parts of the Midwest.Quality: The most comprehensive collection of maps and manuscripts in the state. It is the official depository of the archives of the state since 1947.Timeliness: Ongoing collection. The library is a repository for most all governmental documents of historical value.Sources:Textual Description: The State Historical Society of Wisconsin performs many functions, among them the collection and preservation of unpublished and published records for use in historical research. The scope of these resources encompasses the history of Wisconsin and many other states. Records date from 1799 to the present. Included are the papers of governors, most state agencies, the legislature, and local governments. An open-stack library and the Archives-Manuscripts Division hold these documents. Maps and atlas collections include early historical materials dating back to the Old Northwest. Original U.S. Public Land Survey maps, over 1,700 plat maps, early oblique illustrations of communities, USGS quadrangle maps, and several thousand general maps of cities, counties, ports, and other states are included. Copying services are readily available. Thirteen Area Research Centers hold archives and manuscripts for their region; material may be transferred between centers for review within specific regions.Contact for Purchase:Contact for Information:

State Historical Society of
Wisconsin
Library
or
Division of Archives and
Manuscripts
816 State Street
Madison, Wisconsin 53706
(608) 262-3271

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
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Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
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St. Croix
Sauk
Sawyer
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Sheboygan
Taylor
Trempealeau
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Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Human Related Resources

Data type: Library

Date of Collection: Ongoing collection.

Date of Publication: Weekly listings ("Library Briefs") are made of all new publications.

Detail: Includes over 6,000 books, pamphlets and newsletters, 40 periodicals, and as well as special collections of publications (Wisconsin cities, counties, planning regions).

Aggregation: Statewide coverage of publications by cities, counties, regional agencies, etc. Library is organized by subject headings. An author/title/subject catalog is currently being developed.

Quality: One of the best collections of municipal and regional publications in the State.

Timeliness:

Sources: Local governments, regional agencies, state agencies, etc.

Textual Descriptions: The DLAD Local Affairs Library began in 1967 as an accumulation of holdings from other departments and bureaus being changed by the government reorganization. This original collection was split several times; however, an extensive rebuilding has since taken place. The library is primarily a pamphlet library. It has 4 special categories which are shelved by subject area: local affairs departments in other states, Wisconsin cities, Wisconsin counties, and Wisconsin planning regions. These include both Chamber of Commerce-type materials as well as more specialized planning studies.

The weekly newsletter, "Library Briefs", is sent to state and regional offices and on request to anyone else. Loans are made with various state agency libraries, and to other libraries for 3 weeks, except for reference material which does not circulate.

Contact for Purchase:

Contact for Information:

Local Affairs Library
Department of Local Affairs and
Development
Room 751
123 W. Washington Avenue
Madison, Wisconsin 53702
(608) 266-2423

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
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Eau Claire
Florence
Fond du Lac
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Green Lake
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Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
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St. Croix
Sauk
Sawyer
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Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Human Related Resources

Data type: Library

Date of Collection: Ongoing collection.

Date of Publication:

Detail: Varies.

Aggregation: Varies. Each library contains information pertinent to the region as well as other, more general information. Some libraries have reports available for circulation.

Quality:

Timeliness: Continually updated.

Sources: Federal, State, and regional agencies, private consulting firms.

Textual Description: The RPC libraries are usually primary information sources for urban and regional planning related material which applies to their specific area. They are repositories for such items as regional and county maps, municipal and other civil ordinances, and various books and documents on resource issues in the specific area.

Contact for Purchase:

Contact for Information:

Specific RPC

Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark

Crawford
Dane

Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
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Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Human Related ResourcesData type: Published tabularDate of Collection: Through 1969Date of Publication: 1969

Detail: Includes an index of over 2,400 records series (groups of paper, forms, maps, photographs, etc.) on all subjects related to State planning and budgeting functions which are collected and/or maintained by State agencies.

Aggregation: Statewide inventory is aggregated into 2 sections--an alphabetical listing of all data elements, and a listing of all record series with descriptions of the data elements contained in the record series.

Quality:

Timeliness: Inventory has not been updated. Some of the descriptive information is out of date.

Sources: State agencies which maintain information applicable to State planning and budgeting.

Textual Description: The Wisconsin Data Inventory was compiled by the DOA Bureau of State Planning in cooperation with other agencies. It provides a source index to data and information collected by or available within the various State agencies that are considered applicable to the planning, programming and budgeting process of State government. The first section is an alphabetical listing of the data elements (actually key words) to be found in the records received or created by the various State agencies. Over 163,000 data elements are included. The second section includes listings of record series (groups of papers, forms, maps, etc.) with descriptive information about each series (name of record series, agency, location, data type, geographic aggregation, storage media, etc.). The published inventory (857 pages) is a computer listing of the data elements and the associated record series descriptions.

Contact for Purchase:

Contact for Information:

Bureau of Management Services
Department of Administration
1 West Wilson Street
Madison, Wis. 53702
(608) 266-1694

STATEWIDE

Adams
Ashland
Barron
Bayfield
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Buffalo
Burnett
Calumet
Chippewa
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Columbia
Crawford
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Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
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Marquette
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Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Human Related ResourcesData type: Published tabular and mappedDate of Collection: Through 1975Date of Publication: 1975

Detail: Study includes 23 appendices covering land and water resource and planning elements (see following table). Data and summaries are usually generalized for planning subregions or the entire region.

Aggregation: Includes Lake Superior and Lake Michigan drainage areas (counties) in Wisconsin. Most data and information are described for each subregion or subarea within subregions. 23 appendices are contained in 23 volumes.

Quality: The most comprehensive published information source for the Great Lakes Basin.

Timeliness:

Sources: Great Lakes Basin Commission, State agencies, Federal agencies.

Textual Description: The Great Lakes Basin Commission is presently publishing the 23 appendices of its Framework Study, a comprehensive, coordinated effort to compile and process all pertinent information needed for the development of broad goals and plans for the Great Lakes region. The following table indicates the subjects of these appendices. The data and information in these appendices were compiled by Work Groups, representing the various States and Federal agencies which are involved in the subjects. Each appendix includes basic data and information, definitions of problems and needs, analyses of activities, and processes within each subregion, and recommendations and projections for the future. Some of the appendices are not yet available in final form, although drafts of all appendices have been produced.

Contact for Purchase:

-or-

Contact for Information:

Great Lakes Basin Commission
3475 Plymouth Road
P.O. Box 999
Ann Arbor, Michigan 48106

Ashland

Bayfield
Brown

Calumet

Door
DouglasFlorence
Fond du Lac
Forest

Green Lake

Iron

Kenosha
Kewaunee

Langlade

Manitowoc

Marinette
Marquette
Menominee
Milwaukee

Oconto

Outagamie
Ozaukee

Racine

Shawano
Sheboygan

Walworth

Washington
Waukesha
Waupaca
Waushara
Winnebago

GREAT LAKES BASIN COMMISSION FRAMEWORK STUDY

<u>Appendix</u>	<u>Title</u>
1	Alternative Frameworks
2	Surface Water Hydrology
3	Geology and Ground Water
4	Limnology of Lakes and Embayments
5	Mineral Resources
6	Water Supply--Municipal, Industrial and Rural
7	Water Quality
8	Fish
C9	Commercial Navigation
R9	Recreational Boating
10	Power
11	Levels and Flows
12	Shore Use and Erosion
13	Land Use and Management
14	Flood Plains
15	Irrigation
16	Drainage
17	Wildlife
18	Erosion and Sedimentation
19	Economic and Demographic Studies
F20	Federal Laws, Policies and Institutional Arrangements
S20	State Laws, Policies and Institutional Arrangements
21	Outdoor Recreation
22	Aesthetic and Cultural Resources
23	Health Aspects

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Human Related Resources

Data type: Published tabular

Date of Collection: 1963 - 1968

Date of Publication: 1970

Detail: 17 appendices containing basic data and summary information on basic resources, economic and legal studies (see list). Most of the data were previously published.

Aggregation: Entire Mississippi River basin in Wisconsin and adjacent states. 17 appendices are published in 9 volumes.

Quality:

Timeliness: Much information may be out of date.

Sources: U.S. Dept. of Commerce, U.S. Dept. of Interior, HEW, USDA, U.S. Army Corps of Engineers, states of Wisconsin, Illinois, Iowa, Missouri, Indiana, South Dakota, Minnesota.

Textual Description: The Upper Mississippi River Basin Coordinating Committee prepared this study for a framework program for the development of water and related land resources in the Basin. Many State and Federal agencies participated in collecting field data and secondary information. The 17 appendices were coordinated and prepared by eight advisory committees.

Contact for Purchase:

-or-

Contact for Information:

Upper Mississippi River Basin
Commission
Federal Building
Fort Snelling
Twin Cities, Minnesota 55111

STATEWIDE

Adams
Ashland
Barron
Bayfield

Buffalo
Burnett

Chippewa
Clark
Columbia
Crawford
Dane
Dodge

Douglas
Dunn
Eau Claire

Forest
Grant
Green

Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha

La Crosse
Lafayette
Langlade
Lincoln

Marathon

Milwaukee
Monroe

Oneida

Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer

Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha

Waushara

Wood

UPPER MISSISSIPPI COMPREHENSIVE BASIN STUDY REPORTS

Main Report	Vol. I
Appendix A: History of Investigation	Vol. II
Appendix B: Aesthetic and Cultural Values	Vol. II
Appendix C: Climatology and Meterology	Vol. III
Appendix D: Surface Water Hydrology	Vol. III
Appendix E: Ground Water and Geology	Vol. III
Appendix F: Mineral Resources	Vol. III
Appendix G: Flurial Sediment	Vol. III
Appendix H: Water Supply and Quality Control	Vol. IV
Appendix I: Flood Control	Vol. V
Appendix J: Navigation	Vol. V
Appendix K: Recreation	Vol. VI
Appendix L: Fish and Wildlife	Vol. VI
Appendix M: Power	Vol. VI
Appendix N: Agriculture	Vol. VI
Appendix O: State and Federal Water Laws and Programs	Vol. VII
Appendix P: Economic Base Study and Projections	Vol. VIII
Appendix Q: Framework for Development	Vol. IX

BIOLOGICAL RESOURCES

**VEGETATION
FISH AND WILDLIFE
INFORMATION SERVICES
AND BIBLIOGRAPHY**

BIOLOGICAL RESOURCES

VEGETATION	3.1
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[illegible]

Subsection: VEGETATION

Section: Biological Resources

Data type: Map

Date of Collection: Land survey in 1832-1866. Data compilation in 1973.

Date of Publication: Completed in 1974 (to be published)

Detail: Scale is 1:500,000. Map does not indicate different wetland types. A statistical summary is available which approximates the total wetland area within each township in the state.

Aggregation: State map. Individual township summaries of wetland acreage in 19th century.

Quality: Very questionable source data. Original land survey notes are variable, sparse, and wetland boundaries are poorly defined.

Timeliness: Of use for historical perspective only. This is the only statewide survey of wetlands in Wisconsin for the 19th century.

Sources: Original Public Land Survey notes. Compilations made by J. William Trygg of Ely, Minn. (northern 2/3 of state) and Finley of UW-Madison (southern 1/3 of state). Statewide map compiled by Water Resources Planning Section, DNR.

Textual Description: The Water Resources Planning Section of the DNR has prepared this 19th century wetlands map and summary of acreage as part of a Comprehensive State Water Resources Plan. The term "wetland" includes all types of marshes, swamps, and bogs, and covered about 5 million acres as of the mid-1800's. The quality of the map reflects the primitive and variable techniques used by the original surveyors. Finley and Trygg, the original compilers of the land surveyors' notes, produced maps of the natural vegetation in more detail and at larger scales than the statewide map. All major wetland areas are delineated as a dark tone on the map; no other features are shown.

Contact for Purchase:

Contact for Information:

Dept. of Natural Resources
Water Resources Planning Section
Box 450
Madison, Wisconsin 53701
(608) 266-0821

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: VEGETATION

Section: Biological Resources

Data type: Published Maps and Tabular

Date of Collection: 1955 - 1962

Date of Publication: 1959 - 1963 (see map).

Detail: 1:63,360

Quality:

Timeliness: Inventories have never been updated.

Sources: Wisconsin Conservation Department (now DNR) field surveys,
Wisconsin Land Inventory Land Cover Maps.

Textual Description: The Wisconsin Wetland Inventory includes township maps which show wetland type and wetland quality. The wetland types include: pothole, fresh meadow, shallow marsh, deep marsh, shrub swamp, timber swamp and bog. The wetland quality category includes: good--non-drainable; good-drainable; fair to poor--non-drainable; and fair to poor-drainable. The inventory also contains the Wisconsin Land Inventory--Land Cover Maps for the same townships. Also included is a county map showing existing wetlands in 1960 and another county map showing wetland losses 1939-1960. The tabular data show the number and percentage of wetlands and the total acreage under each wetland type for each township. It also contains data on whether the area is drainable and whether it is used for grazing.

Contact for Purchase:

Contact for Information:

Bureau of Fish and Wildlife
Management
Wisconsin Department of
Natural Resources
P.O. Box 450
Madison, Wisconsin 53701
(608) 266-1877

Columbia

Dane
Dodge

Fond du Lac

Green
Green Lake

Jefferson

Kenosha

Marquette

Racine

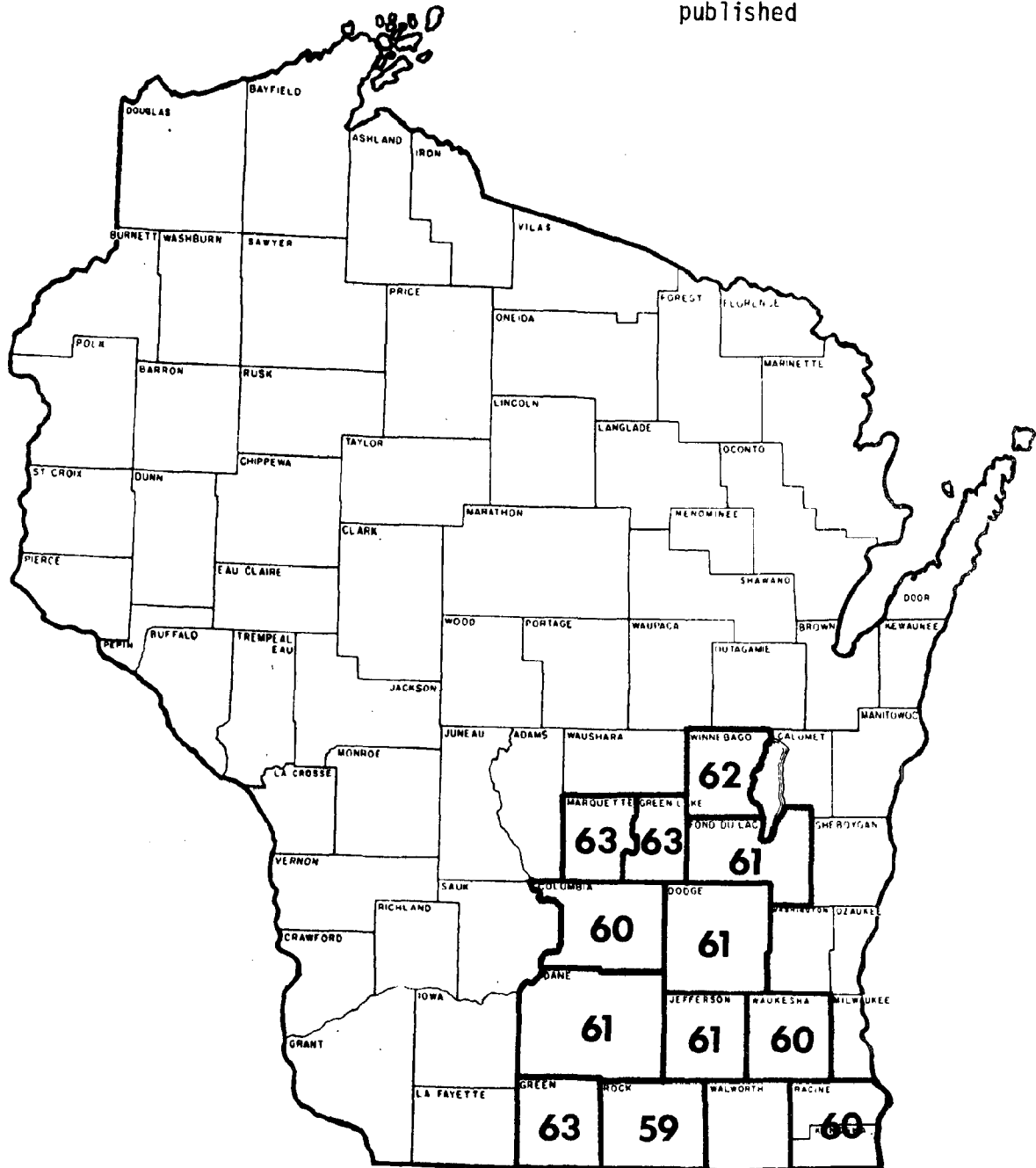
Rock

Waukesha

Winnebago

WISCONSIN WETLAND INVENTORIES

Number in County is year
published



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: VEGETATION

Section: Biological Resources

Data type: Unpublished Tabular

Date of Collection: 1968

Date of Publication: Completed in 1973

Detail: Information is generalized for each township.

Aggregation: Collected by township; filed by township within each county.

Quality: Source data, Wisconsin Land Inventory, has serious limitations because of its questionable accuracy and agricultural bias.

Grant
Green
Iowa

Timeliness:

Sources: Wisconsin Land Inventory, aerial photography (1968) and field survey conducted by SWWRPC in conjunction with DNR.

Lafayette

Textual Description: The Wetland and Woodland Gain/Loss Inventory for Southwestern Wisconsin includes tables showing the 1938 township totals for wetlands and woodlands, the 1968 township totals, and the percent change by category for each township.

The information is unpublished and must be viewed at the Planning Commission.

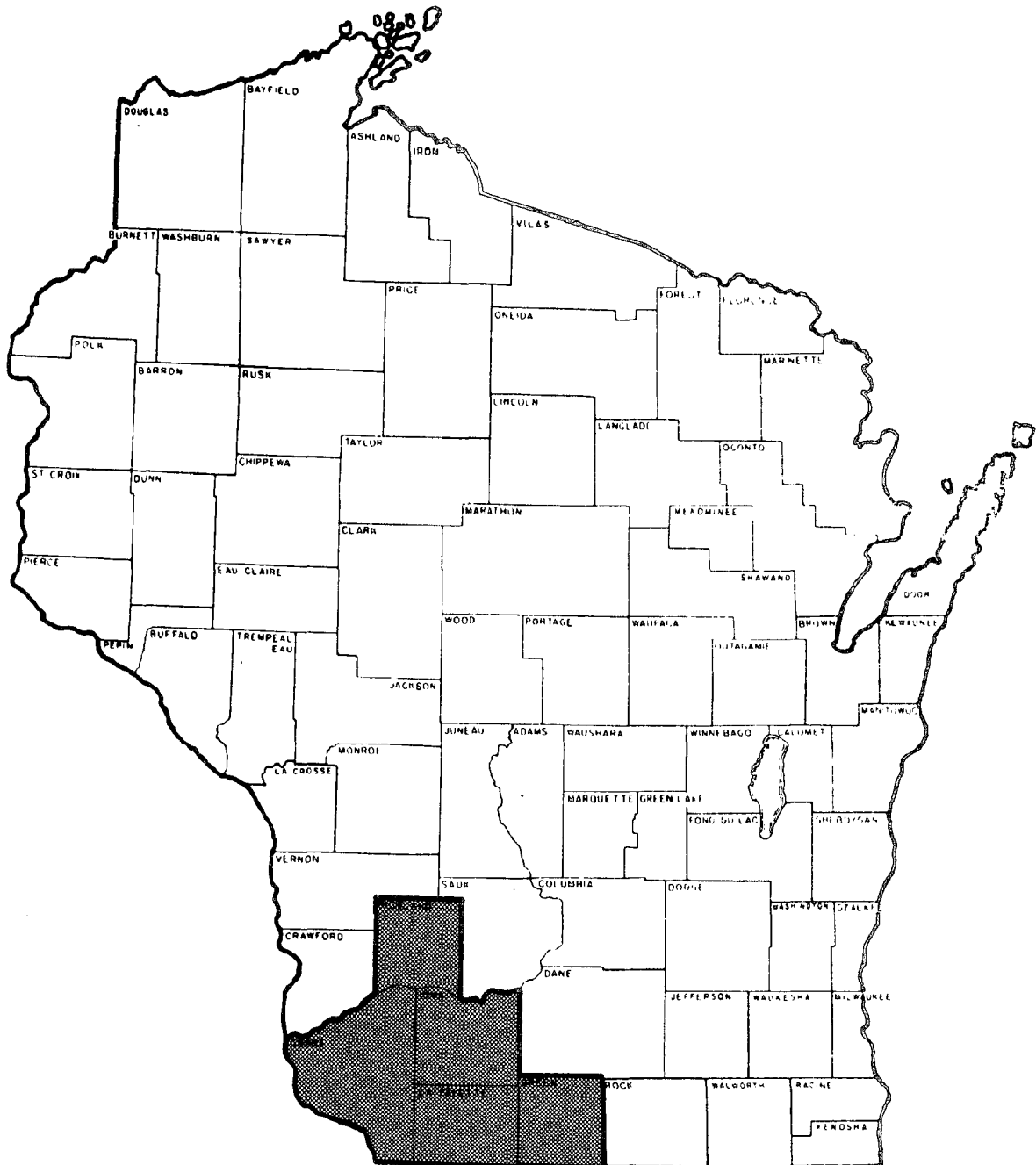
Richland

Contact for Purchase:

Contact for Information:

Southwestern Wisconsin Regional
Planning Commission
217 Pioneer Tower
UW-Platteville
Platteville, Wis. 53818
(608) 348-2731

WETLANDS AND WOODLANDS GAIN/LOSS INVENTORY-
SOUTHWESTERN WISCONSIN



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: VEGETATION
Section: Biological Resources
Data type: Published Maps

Ashland

Bayfield

Date of Collection: 1969

Date of Publication: 1969

Chippewa
Clark

Detail: 1:48,000 (USGS planimetric maps). Bogs are classified in three types.

Aggregation: Maps are available for each USGS 15 minute quadrangle in study area. Countywide summaries are available for each county in study.

Eau Claire
Florence
Forest

Quality:

Iron
Jackson

Timeliness:

Sources: USGS base maps, aerial photography and field surveys.

Langlade
Lincoln

Textual Description: Bog maps show the locations of all bogs in area covered. The bogs are classified as floating, shallow (less than 5 feet) and deep (greater than 5 feet). Approximate boundaries are shown for each bog.

Marathon
Marinette
Menominee

The Project Sanguine study area was subdivided into 47 regions on the basis of bog characteristics. These regions transcend the county boundaries and therefore each one may be included in more than one county summary. A map of the regions in each county is included along with a textual description of the bog characteristics in each.

Oconto
Oneida
Outagamie

For a detailed methodological information see: An Airphoto Analysis of a Portion of Wisconsin and Michigan (12/69) for Project Sanguine.

Portage
Price

Rusk

Sawyer
Shawano

Taylor

Contact for Information:

University of Wisconsin-Madison
 Department of Geography Map &
 Air Photo Library
 Room 384 Science Hall
 Madison, Wisconsin 53706
 (608) 262-1471

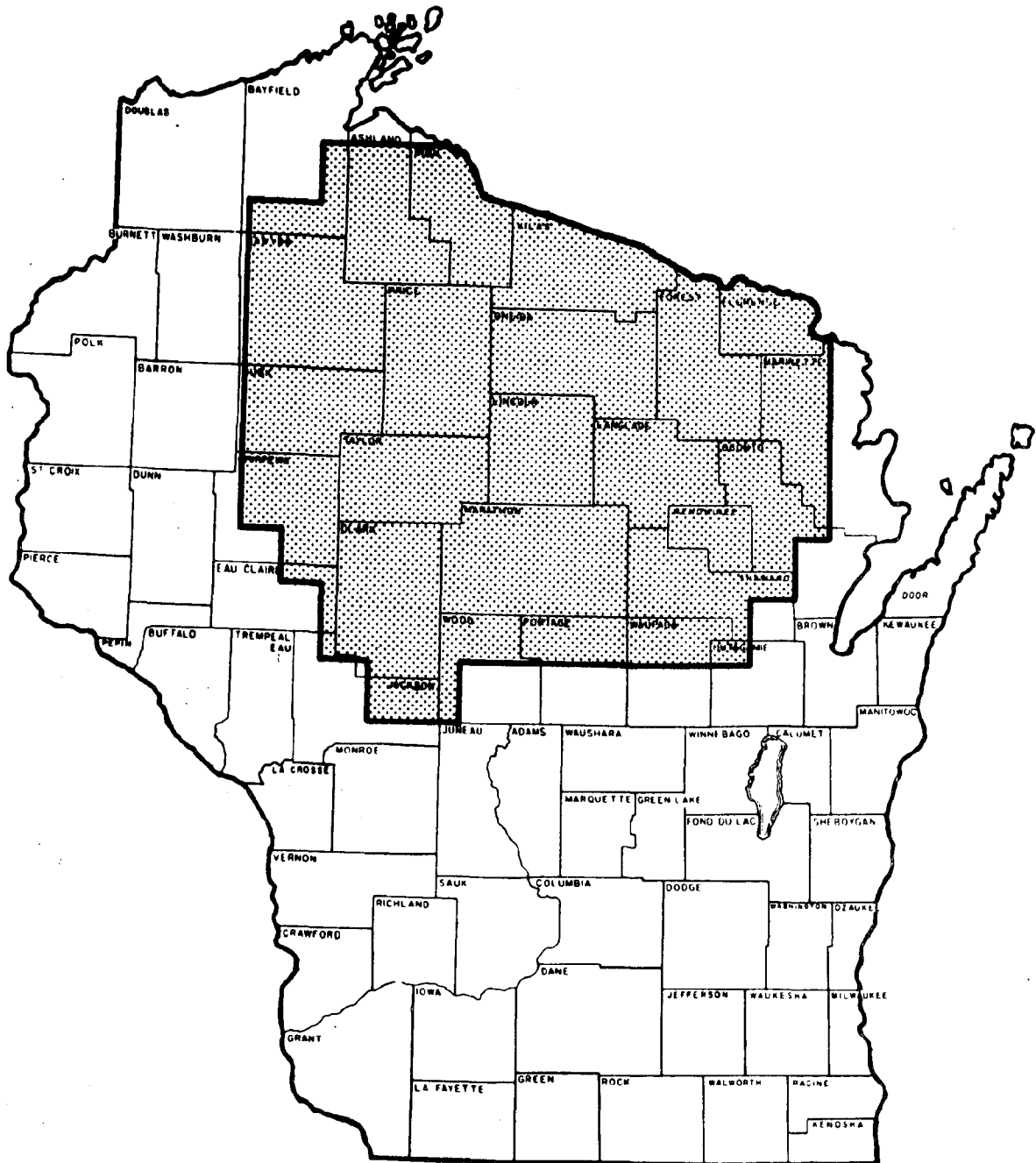
Vilas

or U.S. Navy Underwater Sound
 Laboratory
 Fort Trumbell
 New London, Connecticut

Waupaca

Wood

PROJECT SANGUINE, 1969



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: VEGETATION
Section: Biological Resources
Data type: Unpublished tabular

Date of Collection: Ongoing acquisition

Date of Publication: Miscellaneous publications

Detail: Over 630,000 specimens, including 200,000 from Wisconsin.

Aggregation: Arranged taxonomically (by Family, Order, Genus and Species). All specimens are accessible for study. Reference material is available for locating and identifying specimens.

Quality: Rated as the eighth best herbarium in the nation.

Timeliness: Ongoing acquisition.

Sources: Students, UW staff, various institutions and private contributions.

Textual Description: The UW Herbarium is the foremost collection of Wisconsin plants in the world. Of the 630,000 specimens, there are 430,000 vascular plant specimens, 100,000 specimens of fungi, 10,000 specimens of algae, and a variety of other specialized collections.

Some 70 reports have been published on the plant life of Wisconsin by the herbarium staff. Three forthcoming publications which will serve as useful reference material are: "Rare and Endangered Species in the Flora of Wisconsin", An Atlas of the Vascular Flora of Wisconsin, and a Flora of Wisconsin.

Contact for Purchase:

Contact for Information:

University of Wisconsin
 Herbarium
 245 Birge Hall
 University of Wisconsin-
 Madison
 Madison, Wisconsin 53706
 (608) 262-2972

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: VEGETATION

Section: Biological Resources

Data type: Unpublished tabular

Date of Collection: Late 1940's - present; ongoing program

Date of Publication:

Detail: Detailed sampling data for individual sites (15-40 acres each).
Over 1500 sites inventoried throughout the state.

Aggregation: Statewide coverage. Site locations are indicated on
8 1/2" x 11" DOT county road maps. Data is filed by type of vegetative
community and by individual site.

Quality: Data is highly detailed. Sampling procedures vary considerably
for different sites.

Timeliness: Many of the older files are out of date, but the information
is still very useful for botanical studies.

Sources: UW-Madison Botany Department faculty and students.

Textual Description: The Plant Ecology Laboratory at the UW-Madison
maintains an extensive file of data on native vegetative communities in
Wisconsin. Specialized ecological sampling techniques were used to
collect information on the frequency, density, dominance, importance
value, and other parameters for selected sites. The sites were selected
for their homogeneity and representative quality.

Most of the data was collected as part of students' theses or by certain
faculty (Curtis, Cottam, Green, and others). An authoritative text,
Vegetation of Wisconsin, John Curtis, 1959, UW Press, was developed from
this data; it includes general descriptions and several summaries of the
data.

Records at the Plant Ecology Laboratory are available for review by
making an appointment in advance.

Contact for Purchase:

Contact for Information:

University of Wisconsin-
Madison
Botany Department
Birge Hall
Madison, Wisconsin 53706
(608) 262-1057

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: VEGETATION

Section: Biological Resources

Data type: Published Tabular

Date of Collection: 1966 - 1968

Date of Publication: 1968 (3rd edition)

Detail: Detailed information on areal and growth measurements primarily for commercial forests throughout state.

Aggregation: Collected for 8 multi-county districts (covers state) which conform to the State Administrative Districts. Information aggregated by county.

Quality: The sampling accuracy for area of commercial forest land and growing stock volume, are included within each report. In some counties the standard error may be up to 46%.

Timeliness: May be out of date in certain areas. New editions are published every few years.

Sources: DNR field surveys, USDA-North Central Forest Experimental Station, DOT, DNR, & ASCS aerial photography.

Textual Description: Wisconsin Forest Resources Statistics is a series of 8 reports which contain detailed information on forests in the state. Tables included are (1) area by land class (forest land classes and non-forest land classes), (2) area of commercial forest land by ownership classes, (3) area of commercial forest land by type and stand size class, (4) area of commercial forest land by stand treatment, (5) net volume of commercial forest land by species, (6) net annual growth of species, (8) number of primary wood-using mills. These tables offer a comprehensive view of Wisconsin forest resources with an emphasis on commercial forest lands.

Wisconsin's 1968 Timber Resource - A Perspective, by Spencer and Thorne, USDA Forest Service Resource Bulletin NC-15, 1972, offers a statewide prospectus and analysis of the 1968 Forest Resource Statistics.

Contact for Purchase:

Contact for Information:

DNR District Offices
or
Division of Forestry
Department of Natural
Resources
P.O. Box 450
Madison, Wisconsin 53701
(608) 266-2621

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: VEGETATIONSection: Biological ResourcesData type: Unpublished Mapped and TabularDate of Collection: AnnuallyDate of Publication: Forest Management Plans produced every 10 years.

Detail: Forest type maps compiled at about 1:18,000 scale. Forest type and stand and density information collected for all tracts greater than 5 acres.

Aggregation: Information collected for county and state forests. Land use maps are available for each compartment. (250 acres or more), and forest types are indicated for stands of 5 acres or more. Information on file at DNR and with forest superintendents.

Quality: Information collected by fully trained technicians.

Timeliness: Most current information readily available. A complete inventory of county and state forests is completed once over ten years.

Sources: Surveyed with aerial photography and field checked once every ten years by DNR forest personnel.

Textual Description: The county and state forest management plans are produced every 10 years for each county and state forest. They normally include a history of the area, a forest type map, a summary of forest management policies (land acquisition, sites, etc.) and goals and objectives for the forest. The preparation of this report is an ongoing process which covers a ten year period. The information collected is available for use from DNR or the forest superintendent. Forest type, stand and density information is mapped and collected for areas of 5 acres and greater. Information on land ownership, land use, income, roads, timber sites, reforestation, etc., is also collected. A full recreational facility inventory is also maintained for each county and state forest.

Contact for Purchase:Contact for Information:

DNR District Offices
or
Division of Forestry
Department of Natural
Resources
P.O. Box 450
Madison, Wisconsin 53701
(608) 266-2621

Ashland
Barron
Bayfield

Burnett

Chippewa
Clark

Douglas

Eau Claire
Florence
Fond du Lac
Forest

Iron
Jackson
Jefferson
Juneau

La Crosse

Langlade
Lincoln
Manitowoc
Marathon
Marinette

Monroe
Oconto
Oneida

Polk

Price

Rusk

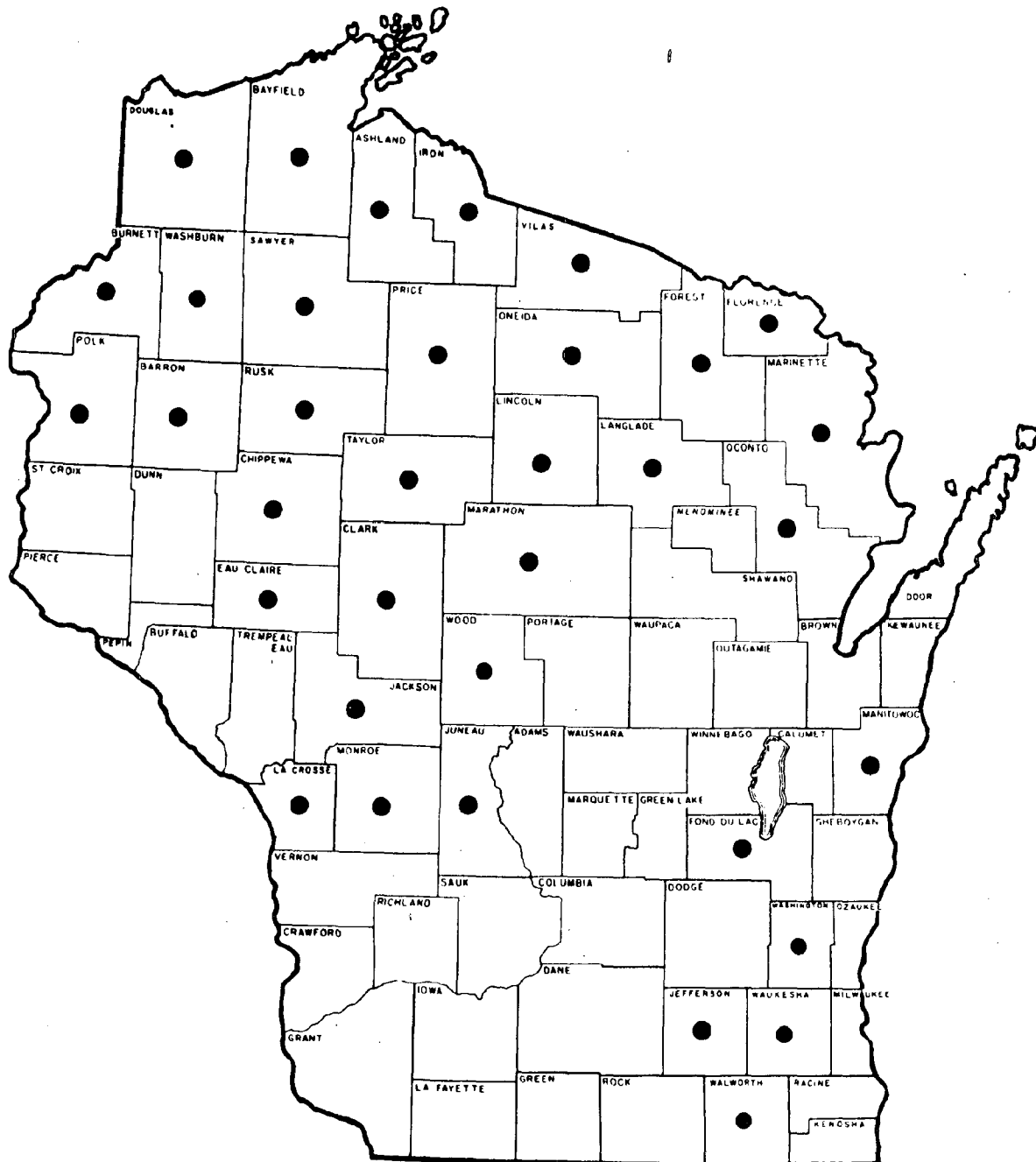
Sawyer

Taylor

Vilas
Walworth
Washburn
Washington
Waukesha

Wood

COUNTY AND STATE FOREST MANAGEMENT PLANS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: VEGETATION

Section: Biological Resources

Data type: Published Tabular

Ashland

Bayfield

Date of Collection: Ongoing survey program; 1963-4 for data in 1965 publication.

Date of Publication: 1965, published every 10 years.

Detail: Information derived from 1:15,840 forest type maps and site specific sampling.

Aggregation: Covers the entire forest; survey is broken down into subarea districts. More current information is collected and stored at forest headquarters; information must be used there.

Florence

Forest

Quality: The most detailed information available for vegetation in the National Forests.

Timeliness: 10 year span covered by report may make some information out of date. Information is systematically updated and stored in computer files.

Sources: Field surveys and aerial photography.

Langlade

Textual Description: Both of the national forests located in Wisconsin, Chequamegon and Nicolet, have Timber Management Plans. These documents contain information on forest type and stand size, timber volume, age, growth, etc. The data are presented in tables which show forest types. [spruce-fir, white and red pine, jack pine, swamp conifer, aspen-birch, other hardwoods, etc.] and the associated information (age, volume, etc). Information is also presented on acreage by type, management policies, production status, year of origin, etc. A textual description accompanies the data.

Oconto
Oneida

The forest inventory also involved air photo interpretation and type mapping for all National Forest lands on infrared, 1:15840 scale aerial photographs, taken in the summer of 1963.

Price

Sawyer

Contact for Purchase:

Contact for Information:

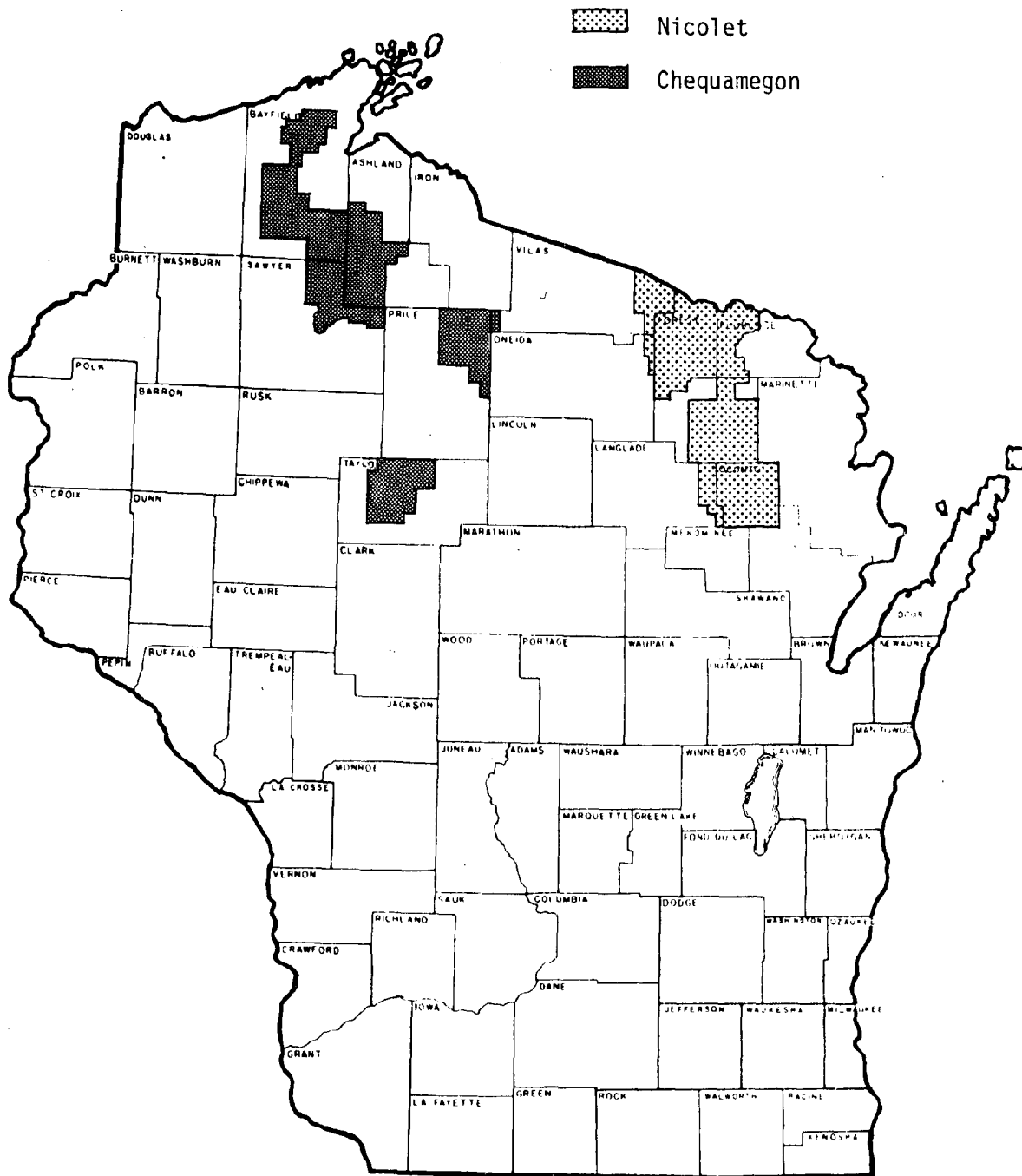
Taylor

Forest Supervisor
Nicolet National Forest
Federal Building
Rhineland, Wis. 54501
(715) 362-3415

Vilas

or
Forest Supervisor
Chequamegon National Forest
Federal Building
Park Falls, Wis. 54552
(715) 762-3252

NICOLET AND CHEQUAMEGON NATIONAL FORESTS



WISCONSIN

State Planning Office
Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: FISH AND WILDLIFE
Section: Biological Resources
Data type: Unpublished Tabular

Date of Collection: Annual harvest counts, year-round censuses

Date of Publication: Annual (unpublished) compilations

Detail: Scale and type of survey varies for each type of wildlife. Each survey is geographically based on the range of the animal.

Aggregation: By species or general animal type; and by county or DNR project location.

Quality: All counts are estimates, usually based on sportsman questionnaires or field surveys along transect lines. Information is primarily useful for studying population trends in selected regions.

Timeliness: Information is usually current as of the previous year.

Sources: DNR district staff; DNR state office staff; individual sportsmen responses to questionnaires.

Textual Description: The DNR Bureau of Fish and Wildlife Management collects data on wildlife (game and non-game), waterfowl, and endangered species. A variety of survey methods are used, depending on the type of wildlife. Counts are made along transects for estimating various waterfowl and small game populations. Harvest counts are made from surveying sportsmen via statewide questionnaires. Some of the wildlife types for which populations and harvests are estimated are rabbits, squirrels, deer, bear, pheasant, grouse, woodcock, quail, ducks, geese, and various non-game and endangered species. Many of the surveys are on state-owned lands (hunting areas, wildlife areas, refuges). A small-game and waterfowl harvest index and various other compilations are prepared each year.

The Bureau of Fish and Wildlife Management is also involved in special research projects on certain wildlife species.

Contact for Purchase:

Contact for Information:

Bureau of Fish & Wildlife
 Management
 Dept. of Natural Resources
 Box 450
 Madison, Wisconsin 53701
 (608) 266-1877

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: FISH AND WILDLIFE

Section: Biological Resources

Data type: Unpublished and published tabular

Date of Collection: 1950's - present

Date of Publication: 1966 - present (Fish Management Reports)

Detail: Observational and analytical data on fisheries management, on a project basis.

Aggregation: Reports pertain to individual management projects or problems. Subjects for reports may be organized around individual species, individual lakes or streams, specific management problems, etc.

Quality: The only report series that deals exclusively with fish management.

Timeliness: Varies; ongoing research and report series.

Sources: DNR Bureau of Fish and Wildlife Management.

Textual Description: The DNR Bureau of Fish and Wildlife Management perform studies and prepares a Fish Management Reports series in order to communicate the results and techniques in projects. The topics of the management projects and reports include such items as creel censuses, toxicity studies, etc. Lists of available reports are free upon request.

An unpublished survey report series is also maintained by DNR on specific lakes and trout streams throughout Wisconsin. These reports document very specific data which have been collected for fish populations in the specific water body.

Contact for Purchase:

-or-

Contact for Information:

Bureau of Fish and Wildlife Management
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-1877

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: FISH AND WILDLIFE
Section: Biological Resources
Date type: Published tabular

Date of Collection:

Date of Publication: 1974

Detail: 25 multi-county maps at 1:633,600 scale. Text indicates species present and length of stream within each class of trout water.

Aggregation: Single document for entire state. Streams are aggregated by county and listed alphabetically.

Quality:

Timeliness:

Sources: DNR

Textual Description: The DNR publication, Wisconsin Trout Streams contains maps and descriptions for the 1500+ trout streams in Wisconsin (almost 8,700 miles). The 25 regional maps indicate the streams (with a reference number for each stream) and major roads within each region. The alphabetical lists of trout streams indicate the stream name, the reach of the stream which is trout water, and the trout species present. The list also indicates the quality of the stream reach (Class I, II, or III), the mileage within each reach, and a brief description of the location of that reach. This publication is available for purchase. A variety of other publications are available for purchase which provide related information on other fish (Wisconsin Walleye Waters, Wisconsin Muskellunge Waters, Wisconsin Lakes) and several publications on the life history, ecology and management of individual fish species.

Contact for Purchase:

-or- Contact for Information:

Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-2621

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: FISH AND WILDLIFE
Section: Biological Resources
Data type: Unpublished Tabular

Date of Collection: 1974

Date of Publication:

Detail: Tabular information on all bird species sited in the area.

Aggregation: Organized by type of bird. Unpublished report; information is available for review at regional planning commission.

Quality: Information is sketchy in some areas. It may also include birds not usually found in the area.

Grant
Green
Iowa

Timeliness: Source information is from 1960 --may be out of date for some species and/or areas.

Sources: Primary source is Wisconsin Birds: A Checklist With Migration Charts; Wisconsin Society for Ornithology; 1960.

Lafayette

Textual Description: The Southwestern Wisconsin Regional Planning Commission has collected tabular information on Birds in Southwestern Wisconsin. The tables list all birds sighted in the area. They include the name of the bird (common and Latin), area in region where it was found, time of year and how commonly found, and information on nesting patterns and trends within the specific population.

A similar listing is being derived for animals found in the area.

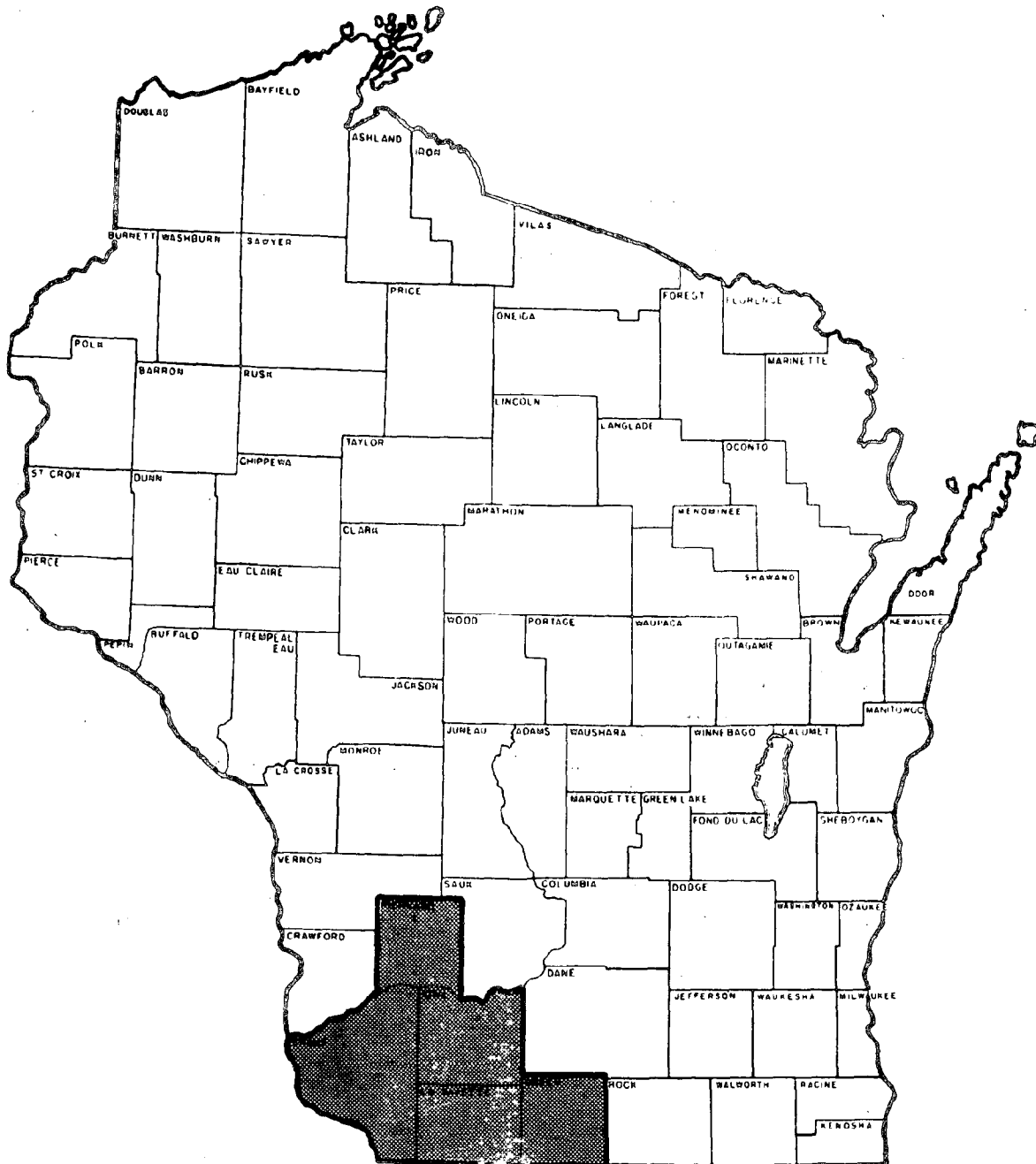
Richland

Contact for Purchase:

Contact for Information:

Southwestern Wisconsin Regional
Planning Commission
217 Pioneer Tower
UW-Platteville
Platteville, Wisconsin 53818
(608) 348-2731

BIRDS OF SOUTHWESTERN WISCONSIN



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: FISH AND WILDLIFE

Section: Biological Resources

Data type: Tabular and mapped (published and unpublished)

Ashland

Bayfield
Brown

Date of Collection: 1963-1976

Date of Publication: 1976

Detail: Maps compiled on 1:24,000 air photo enlargements for coastal townships of the Northwest, Bay Lake and Southeast regions; entire Southeast region also compiled at 1:4,800. Includes delineation of habitat areas by species ranked according to 3 levels of quality.

Door
Douglas

Aggregation: By township for all Lakes Michigan and Superior coastal townships.

Quality: Reconnaissance level survey with partial field verification; the most comprehensive survey available for the coastal zone.

Iron

Timeliness: Up to date

Kenosha
Kewaunee

Sources: USGS, aerial photography, DNR field surveys.

Manitowoc

Textual Description: The DNR Bureau of Research, under contract with the Wisconsin Coastal Management Development Program, delineated fish and wildlife habitat areas on air photo enlargements for all coastal townships in Wisconsin. The water-oriented wildlife habitats selected for this project include: water fowl, shore birds, song birds, furbearers, upland game birds and mammals, and most of the important lake and stream fish. The air photos are nonreproducible but are on file for review at the DNR Bureau of Research.

Marinette

Milwaukee

Oconto

Ozaukee

The publication Fish and Wildlife Habitat Study: Wisconsin Great Lakes Shoreline 1976 describes the procedures used in the study and the criteria for habitat classifications, and provides tabular summaries by county and township. No species breakdown is included. Contact the DNR Office of Planning and Analysis for possible copies.

Racine

Contact for Purchase:

Contact for Information:

Sheboygan

Bureau of Research
Dept. of Natural Resources
Southern District Headquarters
3911 Fish Hatchery Road
Madison, Wisconsin 53711
(608) 266-3696

or

Office of Planning & Analysis
Dept. of Natural Resources
Box 7921
Madison, Wisconsin 53707
(608) 266-8033

Revised 1976

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Biological Resources

Data type: Published tabular

Date of Collection: Ongoing program

Date of Publication: 1950 - present

Detail: Over 240 Research Reports, Management Reports, and Technical Bulletin published. Reports are specialized studies of fish and wildlife and other natural resource management programs.

Aggregation: Reports vary in geographic scope and subject matter. Research Reports and Technical Bulletins are available from Bureau of Research. Management Reports are available from Bureau of Fish and Wildlife Management.

Quality:

Timeliness: New Reports are periodically published.

Sources: DNR, UW system

Textual Description: The DNR Bureau of Research and the Bureau of Fish and Wildlife Management publishes reports and bulletins on particular studies involving fish and wildlife populations, and other water and land related subjects. The purpose of the report series is to have an in-house technical reporting service which meet the needs of the DNR and provides technical management information to the general public. Most of the reports are studies of particular fish, game or bird species-their population dynamics, eating habits, migration habits, or management considerations. Other studies cover such topics as fish toxicity or lake rehabilitation techniques.

Contact for Purchase:

Contact for Information:

Bureau of Research
or
Bureau of Fish and Wildlife
Management
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-2111 or 266-1877

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Biological Resources

Data type: Published and unpublished tabular and specimens

Date of Collection: 1900's - present

Date of Publication: Ongoing publication

Detail: Extensive specimen collections are maintained for fish, mammals, birds, reptiles and amphibians, insects, shellfish, and plants found throughout Wisconsin and other areas.

Aggregation: Specimen collections are arranged phylogenetically.
Collections are obtained from all over the State and many other areas.

Quality: Some of the collections are ranked nationally and internationally.

Timeliness: Ongoing collection; the collections are rapidly increasing in size and completeness.

Sources: Field collections, private institutions, government agencies, biological supply houses.

Textual Description: The Milwaukee Public Museum is a principal reference and information source for biological resources in Wisconsin. The specimen collections are accessible to any person with an interest in a particular subject by making an appointment in advance. Various types of descriptive information are available for each specimen (when, where and who collected, etc.).

In addition to the specimen collections the museum publishes many books, technical reports and bulletins on subjects related to the collections. They are available for purchase. A list of these publications is available upon request.

Contact for Purchase:

-or-

Contact for Information:

Milwaukee Public Museum
800 West Wells Street
Milwaukee, Wisconsin 53233
(414) 278-2700

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Biological ResourcesData type: Published tabularDate of Collection: 1942 - 1956Date of Publication: 1959, 1971

Detail: Text and data are based on the study and analysis of over 1,400 stands of natural plant communities in Wisconsin. The book includes chapters and appendices containing general discussions and summary data on every plant community in Wisconsin.

Aggregation: Statewide coverage. Vegetation is organized into 18 different communities, with a chapter and appendix on each community.

Quality: The most comprehensive published study of the vegetation of Wisconsin.

Timeliness:

Sources: UW-Madison Botany Department, Plant Ecology Laboratory (faculty, students). Authored by John T. Curtis.

Textual Description: The Vegetation of Wisconsin, by John T. Curtis, 1959 (1971), University of Wisconsin Press, is both a classic reference source for vegetation in Wisconsin and a major contribution to the development of plant ecology. It is based on ten years of research on over 1,400 stands, representing all the major plant communities in their natural distribution throughout the State.

The book contains several introductory chapters on the vegetation, environment, and methods used in the study. These are followed by chapters on all 18 plant communities found in the State, including distributions of the structure and dynamics of each community. Appendices for every community contain additional index maps and tabular data which describe the size, species composition and environmental relations in each community. Other chapters cover the recent geologic history, interrelations between different communities, etc. The basic data used in the studies are available at the UW-Madison Plant Ecology Laboratory.

Contact for Purchase:

Local bookstores

Contact for Information:

University of Wisconsin-Madison
Plant Ecology Laboratory
Botany Department
Birge Hall
Madison, Wisconsin 53706
(608) 262-1057

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Biological Resources

Data type: Published tabular and mapped

Date of Collection: Prior to 1959

Date of Publication: 1961

Detail: Includes detailed descriptions 84 kinds of mammals found in Wisconsin, along with small index maps showing present and/or former distribution of each type throughout the state.

Aggregation: By species.

Quality: Definitive inventory of mammals in Wisconsin; distribution maps are very general.

Timeliness:

Sources: Field study and private and institutional collections.

Textual Description: The publication, Mammals of Wisconsin, by Hartley H.T. Jackson, 1961, University of Wisconsin Press, is broken into discussions of all recent mammals of Wisconsin. Each discussion includes description of species, measurements, distribution in the state, habitat, maps depicting localities from which specimens were examined (some include present and past distribution), status and habits (present and past numbers, fluctuations in numbers, estimates and numbers per unit area, home range and other behavioral characteristics) and selective references.

Contact for Purchase:

Local bookstores

Contact for Information:

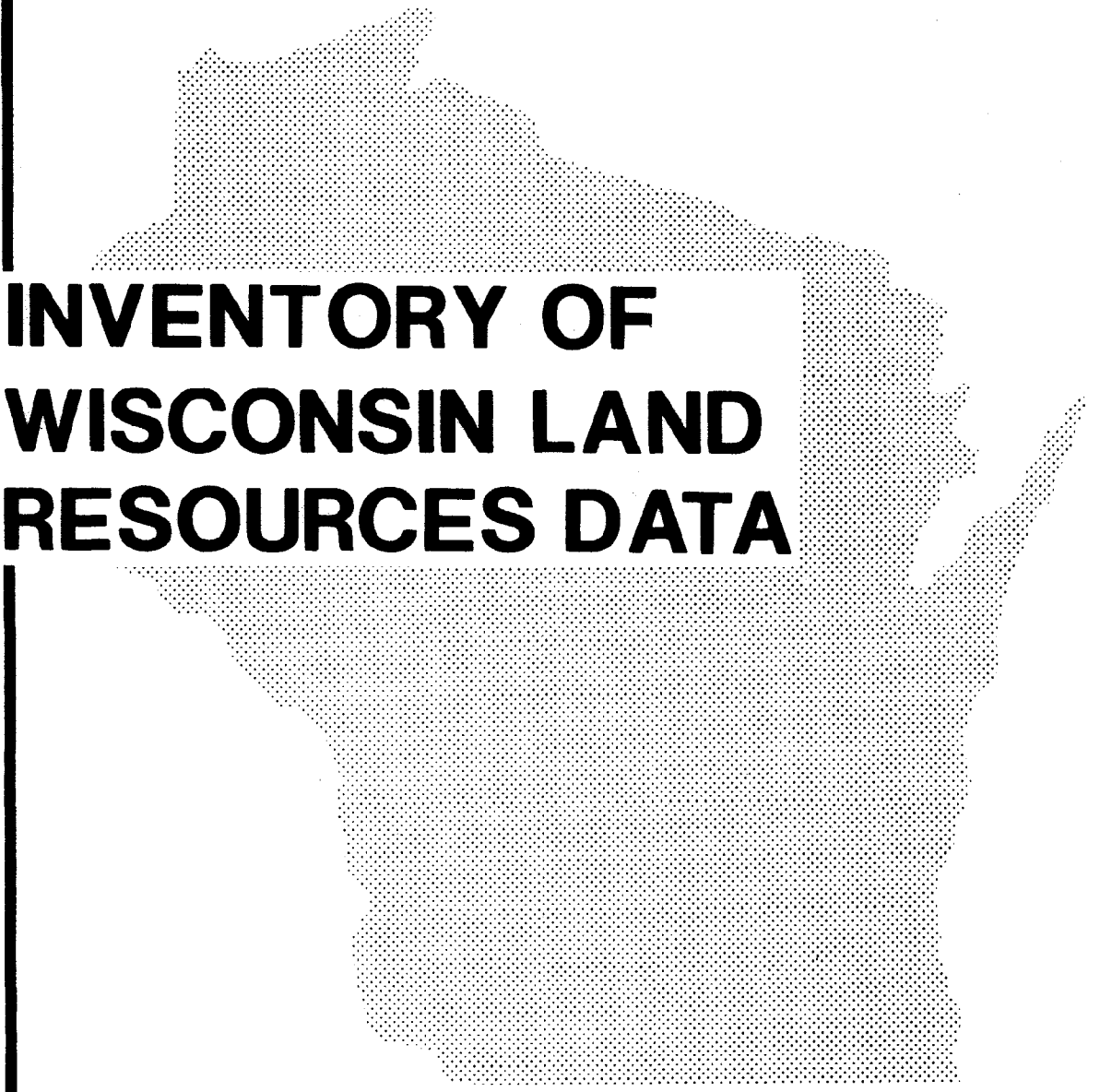
Department of Zoology

or

Department of Wildlife Ecology
University of Wisconsin-Madison
Madison, Wisconsin 53706

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
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Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood



INVENTORY OF WISCONSIN LAND RESOURCES DATA

**EARTH RELATED RESOURCES
AIR RELATED RESOURCES
WATER RELATED RESOURCES**

Prepared By:

**Kent S. Butler
Bruce E. Goldin
James H. Haugen (graphics)**

Thomas M. Krauskopf, Project Leader

**State Planning Office
Stephen M. Born, Director**

**Department of Administration
1 West Wilson St., Madison, Wis. 53702
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This investigation was accomplished, in part, with the funding of the Upper Great Lakes Regional Commission, but the data, statements, findings, conclusions and recommendations do not necessarily reflect the views of the Commission. The material is the result of tax-supported research and as such is not copyrightable. It may be freely reprinted with the customary crediting of the source.

November, 1975

**State of Wisconsin
Patrick J. Lucey, Governor**

DOA-SPO-75-11(1)

ADVISORY AND REVIEW COMMITTEE

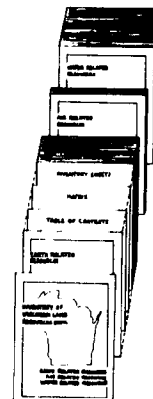
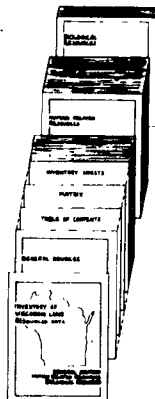
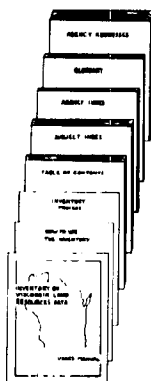
Harlan Clinkenbeard, Southeastern Wisconsin Regional Planning Commission; Steven Dunn, Wisconsin Department of Natural Resources; Robert Fisher, Bay Lake Regional Planning Commission; William Frerichs, Wisconsin Department of Revenue; John Heugel, Brown County Planning Commission; William Lane, Dane County Regional Planning Commission; Bernard Niemann, University of Wisconsin; Meredith Ostrom, Wisconsin Geological and Natural History Survey; William Tishler, University of Wisconsin; Douglas Yanggen, University of Wisconsin—Extension; Art Ziegler, University of Wisconsin—State Cartographer.

CONTRIBUTING AGENCIES

Bay Lake Regional Planning Commission
Brown County Planning Commission
Dane County Regional Planning Commission
East Central Wisconsin Regional Planning Commission
Federal Power Commission
Great Lakes Basin Commission
Milwaukee Public Museum
Mississippi River Regional Planning Commission
National Aeronautics and Space Administration
North Central Wisconsin Regional Planning Commission
Northland College
Northwest Regional Planning Commission
Southeastern Wisconsin Regional Planning Commission
Southwestern Wisconsin Regional Planning Commission
State Historical Society of Wisconsin
United States Department of Agriculture
United States Department of Commerce

United States Department of Defense
United States Department of Housing and Urban Development
United States Department of the Interior
United States Department of Transportation
University of Wisconsin System
Upper Mississippi River Basin Commission
West Central Wisconsin Regional Planning Commission
Wisconsin Board of Commissioners of Public Lands
Wisconsin Department of Administration
Wisconsin Department of Health and Social Services
Wisconsin Department of Local Affairs and Development
Wisconsin Department of Natural Resources
Wisconsin Department of Revenue
Wisconsin Department of Transportation
Wisconsin Geological and Natural History Survey
Wisconsin Public Service Commission
Wisconsin State Cartographer

INVENTORY SECTIONS AND SUBSECTIONS



USERS MANUAL

How to Use the
Inventory

Inventory Process

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EARTH RELATED RESOURCES

**SOILS
GEOLOGY
INFORMATION SERVICES
AND BIBLIOGRAPHY**

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GEOLOGY

PARTIAL

[illegible]

EARTH RELATED RESOURCES

Subsection: SOILSSection: Earth Related ResourcesData type: Maps and tabular (published and unpublished)Date of Collection: Since 1947Date of Publication: 1958 - present. There is generally a 2 to 3 year lag between date of collection and publication.Detail: 1:20,000 or 1:15,840 depending on detail of information to be mapped. Soils data are mapped at the series level, along with surface erosion and slope.Aggregation: Published by county or combination of 2 counties; usually subdivided into maps of 6 to 9 square miles each (index map included). Published surveys are available for purchase. Unpublished soil survey information can be reviewed at SCS field offices.Quality: Sufficient for making detailed planning decisions but requires on site sampling for site specific decisions.Timeliness: Surveys need to be updated approximately every 35 years.Sources: Field surveys by SCS soil scientists; ASCS aerial photography.

Textual Description: Detailed (modern) soil surveys are useful documents for making operational and/or detailed planning decisions as well as agrominical decisions. The surveys are presently being undertaken for all counties but only those that have been completed are published. Unpublished detailed soils data are available at appropriate field offices or from the local county agent. The published surveys include an interpretation manual which delineates the different types of soils and their use limitations; a general county soils map and a textual description are available in addition to the detailed soils maps. The unpublished data includes maps and interpretive sheets. Technical publications are also available for review at SCS offices which provide detailed engineering applications and land management schemes for the soils data. See map and list to determine percent of county covered by unpublished detailed soil surveys and publishing source.

Contact for Purchase:

Superintendent of Documents
U.S. Government Printing Office
Washington, D. C. 20402

SCS Field Offices
or
Local County Agent

-- Contact for
free copies

Contact for Information:

SCS Field Offices
or
Local County Agent
or
State Conservationist
USDA-Soil Conservation Service
4601 Hammersely Road
Madison, Wisconsin 53711
(608) 252-5341

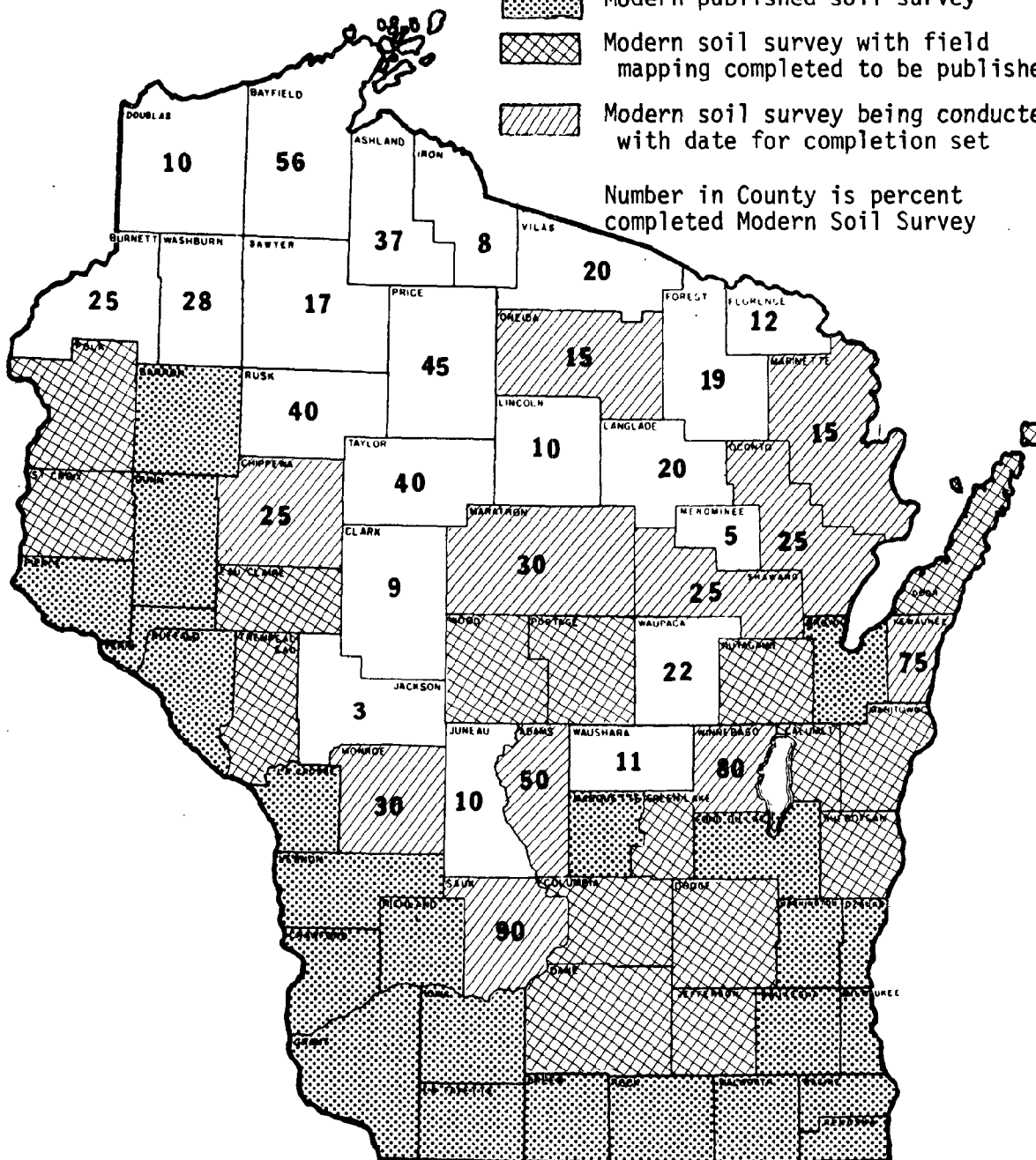
STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood
Revised 1976

June 30, 1976

 Modern published soil survey
 Modern soil survey with field mapping completed to be published
 Modern soil survey being conducted with date for completion set

Number in County is percent
completed Modern Soil Survey



WISCONSIN	State Planning Office
	Department Of Administration

1976

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SOILSSection: Earth Related ResourcesData type: Published Maps and TabularDate of Collection: Varies 1903 -- See map and listDate of Publication: Varies 1903 - 1970Detail: Varies, semi-detailed surveys usually 1:63,360 (1" = 1 mi.) some 31,680 (2" = 1 mi). Reconnaissance surveys usually 1:380,160 (1" = 6mi.).Aggregation: Varies - semi-detailed surveys are usually countywide. Reconnaissance surveys are multi-county (all in northern half of state). Most surveys have accompanying textual descriptions.Quality: Surveyed primarily for agronomic uses; of some value for broad resource planning purposes.Timeliness: Varies with date of survey. Out of date when detailed survey has been completed for the same area.Sources: Field surveys by USDA and WGNHSTextual Description: Semi-detailed and Reconnaissance Soil Surveys were generally conducted for agronomical uses. The maps are countywide or multi-county in scope. Included with each map is a textual description of the use of each soil for agriculture.

The surveys were done by either WGNHS or the USDA Bureau of Soils. They are available at WGNHS or SCS field offices or county agents. Many are out of print or have restricted distribution. See the accompanying maps and lists to determine date, scale and detail of each survey.

Contact for Purchase:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706

or
Superintendent of Documents
U.S. Government Printing Office
Washington, D. C. 20402

Contact for Information:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705
or
State Conservationist
USDA-Soil Conservation Service
4601 Hammersely Road
Madison, Wisconsin 53711
(608) 252-5341

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

SEMI-DETAILED SOIL SURVEYS

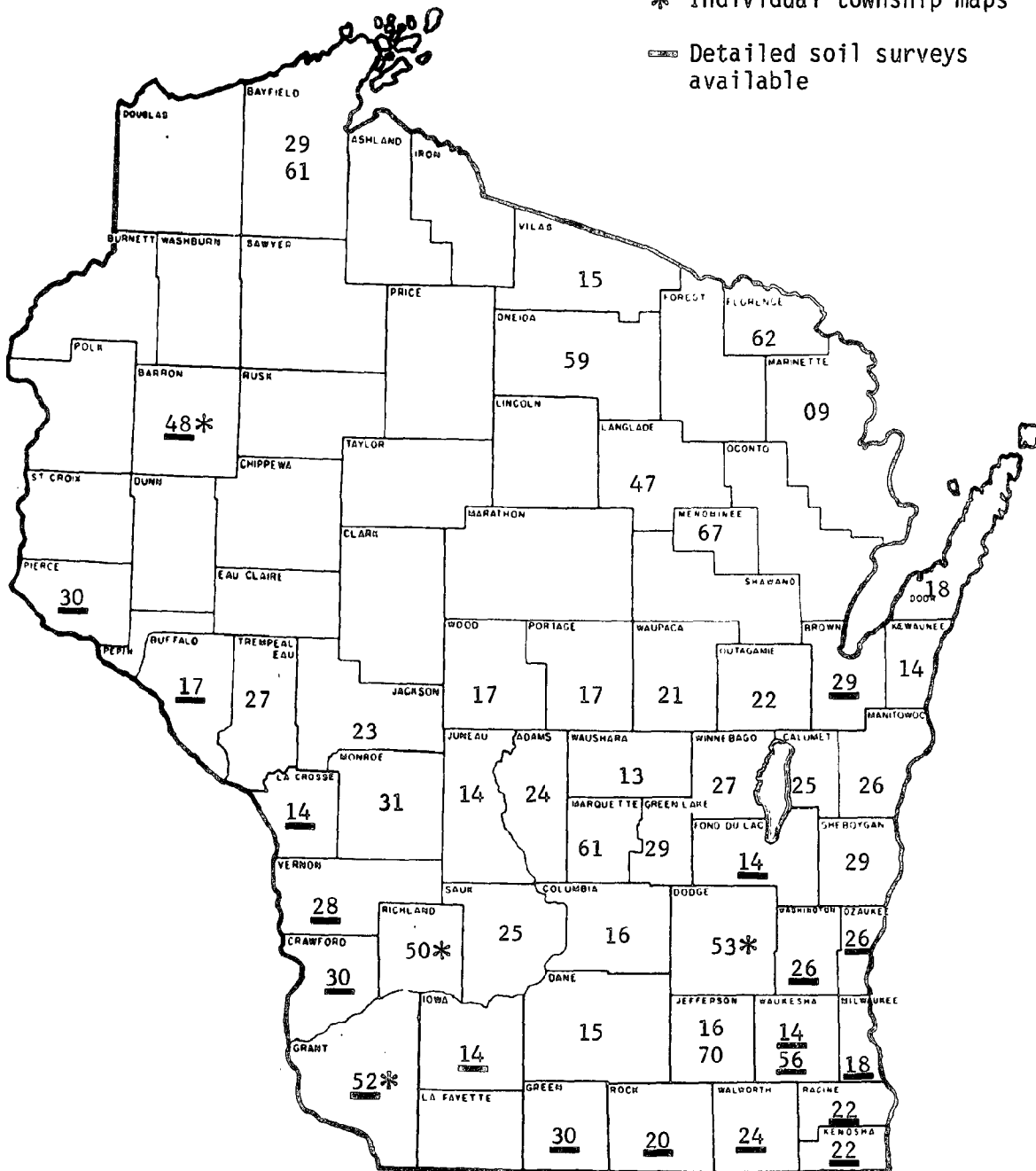
UNIT MAPPED	DATE	SCALE	NUMBER OF SOIL TYPES MAPPED	REMARKS
Adams Co.	1924	1:63,360	20	
Barron Co.	1948	1:31,680	21	Individual township maps
Bayfield Co.	1929, 1961	1:63,360	17, 67	
Bayfield Area	1914	1:63,360	11	Part of Bayfield and Ashland--all of Apostle Island Out of print
Brown Co.	1929	1:63,360		
Buffalo Co.	1917	1:63,360	23	
Calumet Co.	1925	1:63,360	33	
Columbia Co.	1916	1:63,360		Restricted Distribution
Crawford Co.	1930	1:63,360	29	
Dane Co.	1915	1:63,360	30	
Dodge Co.	1953	1:31,680		4 Townships completed
Door Co.	1918	1:63,360	30	
Florence Co.	1962	1:63,360	17	
Fond du Lac Co.	1914	1:63,360	17	Out of print
Grant Co.	1952	1:31,680	46	Individual township maps
Green Co.	1930	1:63,360	41	
Green Lake Co.	1929	1:63,360	37	
Iowa Co.	1914	1:63,360	14	Out of print
Jackson Co.	1923	1:63,360	23	
Jefferson Co.	1916, 1970	1:63,360	27, 47	(1916) Out of print
Juneau Co.	1914	1:63,360	19	Restricted Distribution
Kenosha Co.	1922	1:63,360	42	
Kewaunee Co.	1914	1:63,360	19	Out of print
La Crosse Co.	1914	1:63,360	19	
Langlade Co.	1947	1:63,360	52	
Manitowoc Co.	1909	1:63,360		Reconnaissance Survey
Marquette Co.	1961	1:84,480	44	
Menominee Co.	1967	1:63,360	25	Suite of maps, including vegetative cover, glacial geology, etc. Out of print
Milwaukee Co.	1918	1:63,360	20	
Monroe Co.	1931	1:63,360	44	
Oneida Co.	1959	1:84,480	21	
Outagamie Co.	1922	1:63,360		Out of print
Ozaukee Co.	1926	1:63,360	44	
Pierce Co.	1930	1:63,360	25	
Portage Co.	1917	1:63,360	25	
Racine Co.	1922	1:63,360	42	
Richland Co.	1950	1:31,680	53	Individual township maps
Rock Co.	1920	1:63,360	30	
Sauk Co.	1925	1:63,360	50	
Sheboygan Co.	1929	1:63,360	49	
Superior Area	1904	1:63,360		Out of print
Trempealeau Co.	1927	1:63,360	36	
Vernon Co.	1928	1:63,360	28	
Vilas Co.	1915	1:63,360		Out of print
Viroqua Area	1903	1:63,360		Out of print
Walworth Co.	1924	1:63,360	40	
Washington Co.	1926	1:63,360	44	
Waukesha Co.	1914, 1956	1:63,360	25	(1914) Out of print
Waupaca Co.	1921	1:63,360	23	
Waushara Co.	1931	1:63,360		Out of print
Winnebago Co.	1927	1:63,360	26	
Wood Co.	1917	1:63,360	25	

DATE OF PUBLICATION OF
SEMI-DETAILED SOIL SURVEYS

LEGEND

* Individual township maps

 Detailed soil surveys
available

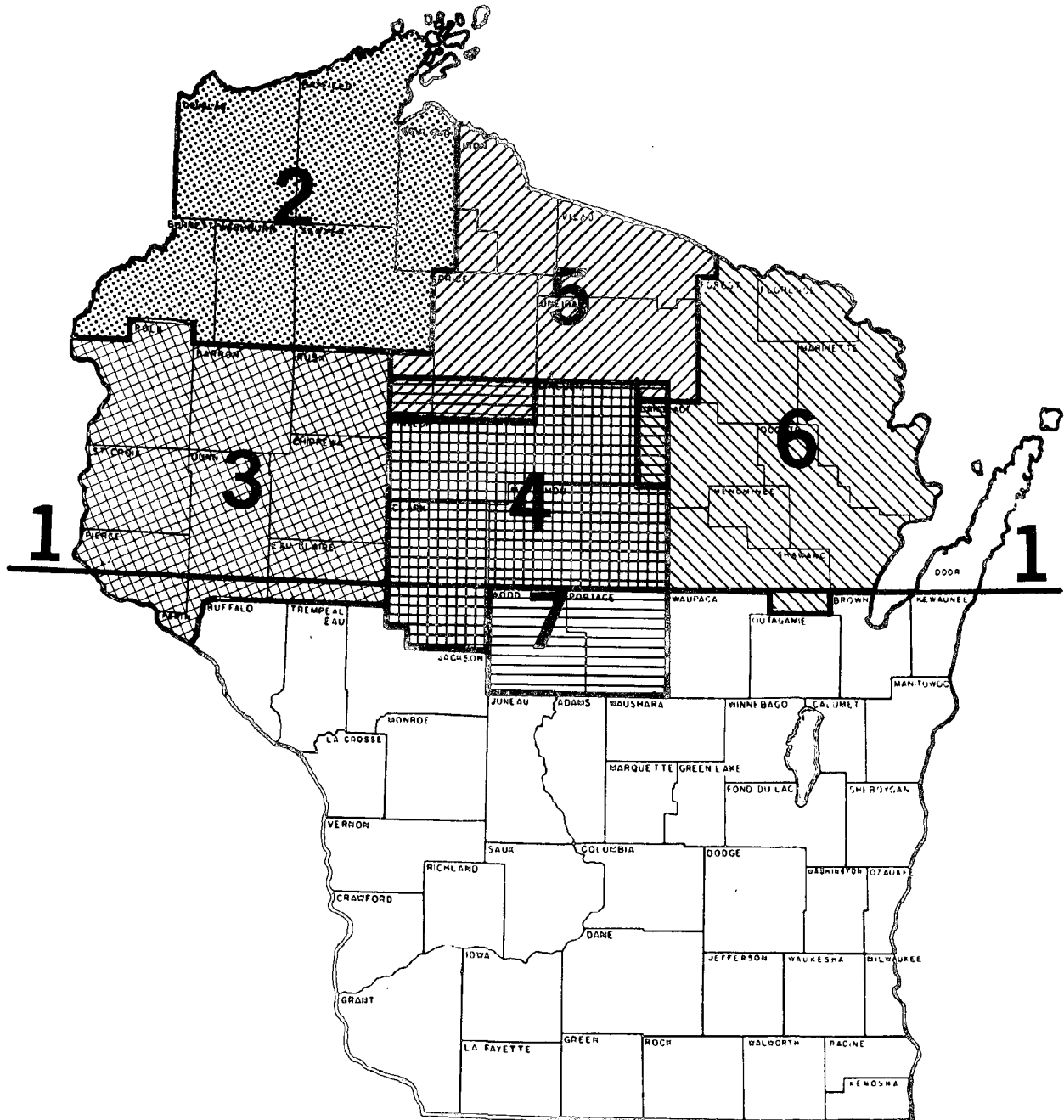


WISCONSIN	State Planning Office
	Department Of Administration

RECONNAISSANCE SOIL SURVEYS

<u>TITLE</u>	<u>MAP CODE</u> (see map)	<u>DATE</u>	<u>SCALE</u>	<u>NUMBER OF SOIL TYPES MAPPED</u>
Soil Survey of Northern Wisconsin	1	1921	1:380,160	21
Recon. Soil Survey of North Part of Northwestern Wisconsin	2		1:190,080	
Recon. Soil Survey of South Part of Northwestern Wisconsin	3	1911	1:190,080	14
Recon. Soil Survey of south Part of North Central Wisconsin	4	1917	1:190,080	33
Recon. Soil Survey of North Part of North Central Wisconsin	5	1916	1:190,080	33
Recon. Soil Survey of Northeastern Wisconsin	6	1916	1:190,080	31
Soils & Agricultural Conditions of North Central Wisconsin	7	1903	1:190,080	14

USDA and WGNHS



State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SOILS
Section: Earth Related Resources
Data type: Published Mapped

Date of Collection:

Date of Publication: 1968

Detail: 1:250,000

Aggregation: 11 overlays which cover entire state

Quality: Most detailed data available on statewide level. Useful for general planning but must be used in conjunction with more detailed information for on site evaluation.

Timeliness:

Sources: USGS National Topographic Map Series; USDA-SCS; WGNHS and UW Department of Soils Science.

Textual Description: The mylar overlay soils maps for Wisconsin show the distribution of 190 soils groupings throughout the state. It is overlaid on 1:250,000 USGS National Topographic Maps Series. A manual is included with the maps which describes each soil grouping. Included in the tabular description is soil association, topography, soil parent material, classification, acres and percent of land in state in each soil group.

The overlays were prepared by the WGNHS, Soil Surveys Division in cooperation with the UW Department of Soils Science, the Soil Conservation Service and the U.S. Forest Service. They are available for purchase along with the topographic maps at WGNHS.

A statewide soils map at 1:710,000 scale, published in 1968, is also available from WGNHS.

Contact for Purchase:

-or-

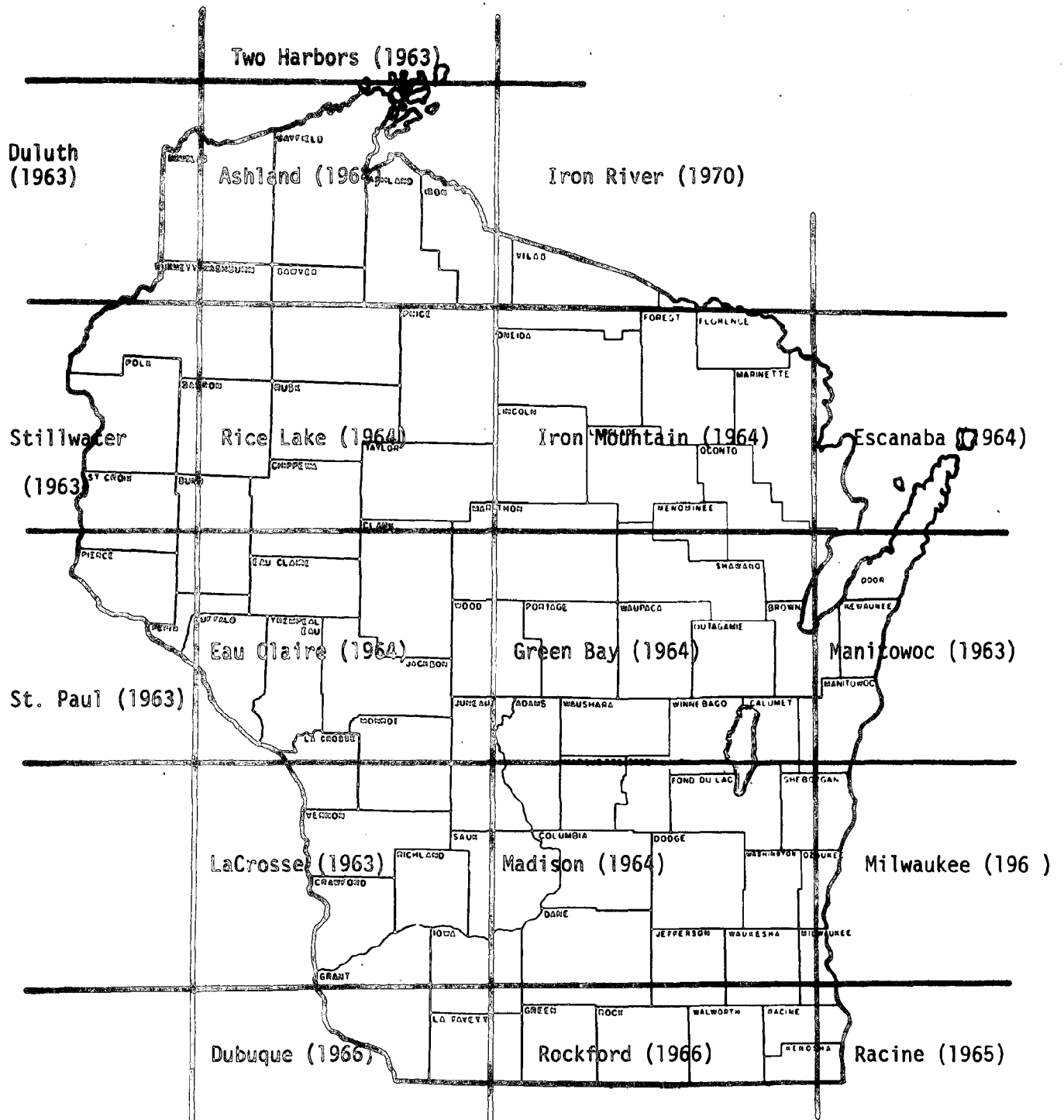
Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

OVERLAY SOIL MAPS OF WISCONSIN



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SOILS

Section: Earth Related Resources

Date type: Tabular and Mapped (Published and Unpublished)

Date of Collection: Ongoing survey program; varies according to project.

Date of Publication: Current files; 1972 report.

Detail: Varies according to project, usually site specific sampling.

Aggregation: Survey information is filed by county and then by highway, structure, or other project. Information is available but must be used in the office.

Quality: Soil analysis data is of excellent quality for engineering purposes.

Timeliness:

Sources: DOT field surveys, USDA-SCS county soils reports.

Textual Description: The Soils Laboratory of the Department of Transportation collects site specific data on soils and geology along corridors where projects are being undertaken. The information is collected to meet the specific project needs. The information included may vary with the project, the uniformity of soil and geology of the area being studied and the stage of the study. An initial survey is conducted to gather generalized information and then a more detailed survey is conducted to determine specific site characteristics. The data collected usually contain information on soils, (physical and chemical properties), depth to bedrock, bog and wetlands locations and other significant features. The information is not catalogued, and anyone interested in a specific area should contact the Soils Lab to find out if they have conducted studies for that area.

A 1972 report, "Engineering Test Data of Wisconsin Soils," has extensive physical data on several hundred soil samples collected throughout the state. This report was published jointly with SCS; supplements are available for analyses made in 1973 and 1974.

Contact for Purchase:

Contact for Information:

Wisconsin Department of
Transportation
Soils Unit
304 N. Randall Street
Madison, Wisconsin 53706
(608) 266-2875

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Traverse
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SOILSSection: Earth Related ResourcesData type: Published Mapped and Tabular

Ashland

Bayfield

Date of Collection: 1972 - Chequamegon National Forest, 1959 Nicolet National ForestDate of Publication: 1972 Chequamegon, 1960 NicoletDetail: Approximately 1:24,140 for Chequamegon National Forest maps;
1:126,720 (1" = 2 mi.) for Nicolet National ForestAggregation: Chequamegon aggregated by township - only 10 townships mapped. Nicolet has map for entire national forest; detailed information for a portion of the forest area. The information is out of print and must be used at forest headquarters.

Florence

Forest

Quality: Incomplete surveys geared for use in forest management.Timeliness: Most recent soils mapping available for the areas.Sources: USDA-SCS and USDA-USFS, UW, DNR

Langlade

Textual Description: Soil Surveys exist for both national forests located in Wisconsin. The surveys contain detailed textual information on soil types, limitations, needs, etc. The survey done for the Nicolet National Forest, entitled Soil Management Report, Eagle River Ranger District, Nicolet National Forest, contains information on where particular soils are found as well as a map which delineates 4 types of soil management areas. The Chequamegon National Forest soil survey is contained in two publications: Chequamegon Soils and Atlas, and Chequamegon Soils. These contain a textual description of soil types, limitations, etc. as well as detailed soil maps for 10 townships within the forest (soil boundaries are superimposed on aerial photographs).

Oconto
Oneida

Price

General information on geology, topography, climate, land use, etc. is contained in each study.

Sawyer

Contact for Purchase:Contact for Information:

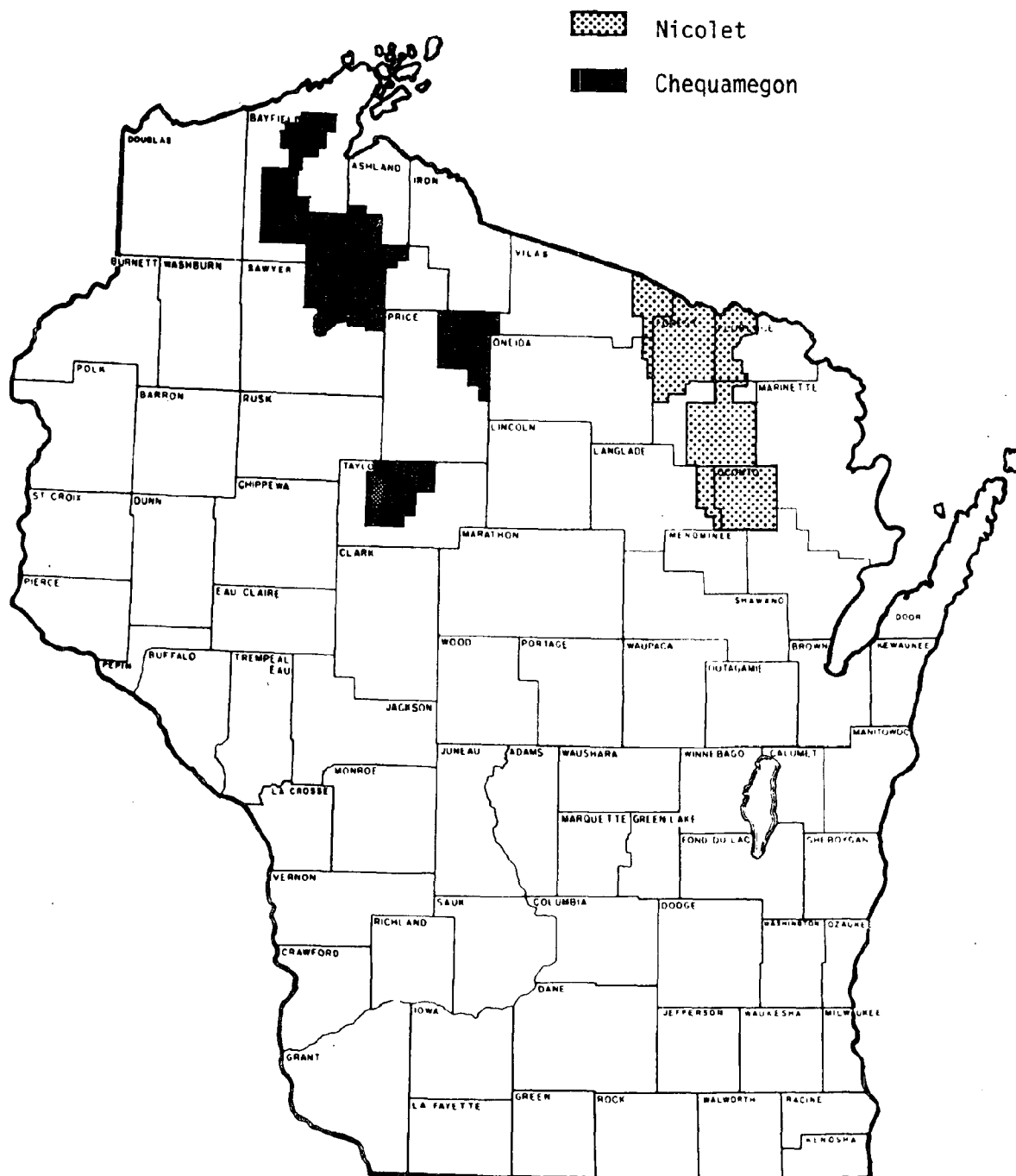
Taylor

Forest Supervisor
Chequamegon National Forest
Federal Building
Park Falls, Wis. 54552
(715) 762-3252

Vilas

or
Forest Supervisor
Nicolet National Forest
Federal Building
Rhinelander, Wis. 54501
(715) 362-3415

NICOLET AND CHEQUAMEGON NATIONAL FORESTS



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SOILS

Section: Earth Related Resources

Data type: Published mapped and tabular

Date of Collection: Some data collected 1968-1974

Date of Publication: 1975

Detail: 1:500,000

Aggregation: Statewide, by soil association units

Quality: Soil productivity based on analysis of soils associations.

Soil association is the only classification system that is presently mapped statewide. The maps are generalized and should not be used for site specific decisions.

Timeliness:

Sources: USGS state base map; WG&NHS, "Overlay Soil Map of Wisconsin"; WG&NHS, "Soils of Wisconsin"; and F. D. Hole, "Soils Association Productivity Analysis"

Textual Description: The Land Resources Analysis Program provides a statewide perspective on the distribution of resources and their characteristics. The Land RAP map series contains 2 maps which show Generalized Soil Productivity for Field Crops" and the second map shows "Generalized Soil Productivity for Canning Crops." The first map is based on common yields for corn and oats with the higher yielding crop relied upon in each instance. The map is divided into 4 categories from most productive to least productive. The map for canning crops is based on common yields for sweet corn, peas, snap beans, and beets. The categories are the same, however, less productive soil units that may be improved to the most productive ranking through irrigation are indicated. The rankings used to determine suitability are determined from experience with crop production on individual soil series. The Soil Association Productivity Analysis by F. D. Hole is also available. It provides the information from which the map was derived. The report also covers other types of crops and forests.

Contact of Purchase:

Map Sales Office
Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Contact for Information:

Wisconsin Department of
Administration
State Planning Office
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-3382

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

LAND RESOURCES ANALYSIS PROGRAM:
GENERALIZED SOILS LIMITATIONS MAPS

Subsection: SOILS

Section: Earth Related Resources

Data type: Published mapped and tabular

Date of Collection: Source data collected 1968-1974

Date of Publication: 1975

Detail: 1:500,000

Aggregation: Statewide, by soil association units.

Quality: Soil Limitations are based on analysis of soil associations.

Soil association is the only classification system mapped statewide.

The maps are generalized and therefore the information should not be used for site specific decisions.

Timeliness:

Sources: USGS state base map; WG&NHS, "Overlay Soil Map of Wisconsin"; WG&NHS, Soils of Wisconsin; and F. D. Hole, Soils Association Suitability Analysis.

Textual Description: The Land Resources Analysis Program provides a statewide perspective on the distribution of resources and their characteristics. The Land RAP map series contains 3 maps of generalized soil limitations. The first map, "Generalized Soil Limitations for Use of Septic Systems" shows the limitations for onsite septic systems within each soil association unit. The second map "Generalized Soil Limitations to Construction Activities" shows the limits for utility routes and construction siting for each soil association unit. The third map "Generalized Soil Erosion Hazard" shows the potential for erosion following surface alteration for each soil association unit. All three maps divide the limitations into slight, moderate, severe and very severe. The limitations are based on analysis of the physical characteristics of individual soil series within each soil association.

The publication, Soil Association Suitability Analysis, by F. D. Hole, is also available and provides the information that was used for the map.

Contact for Purchase:

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Wisconsin Geological and Natural
History Survey
1815 University Avenue
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(608) 262-1705

Contact for Information:

Wisconsin Department of
Administration
State Planning Office
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-3382

STATEWIDE

Adams
Ashland
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Door
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Eau Claire
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Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Published Mapped and Tabular

Date of Collection: Varies, 1899-1974;

- see following list and maps

Date of Publication: Varies, 1906-1974;

Detail: Scales vary from 1:48,000 to 1:1,000,000. Number of mapped landform units varies from 4 to 29. See following list.

Aggregation: Several publications and maps primarily covering Northeastern, Central and Southeastern Wisconsin. Maps range from sub-county to multi-county to statewide in aggregation. Pleistocene deposits are sometimes mapped along with landforms.

Quality: Varies with nature of source material, date and map scale. Many of the larger scale maps are useful for locating earth materials for road building and for regional land use suitability analysis.

Timeliness: Older surveys are still useful as references for modern surveys.

Sources: Field surveys, aerial photography, earlier published and unpublished surveys of WGNHS and USGS.

Textual Description: Pleistocene landforms maps show the location of some or all of the following: eskers, drumlins, moraines, sand dunes, outwash, terraces, areas submerged by glacial lakes, directions of glacial ice movements, drifts of different ages and topographic relief. Many landforms maps are accompanied by or combined with other map features. Most maps show roads, streams, cities, and Public Land Survey lines. The following list indicates the title, author, date of publication, map scale, and general remarks about the major map sources. Most of these maps are available from WGNHS or the UW Dept. of Geography Map and Air Photo Library.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

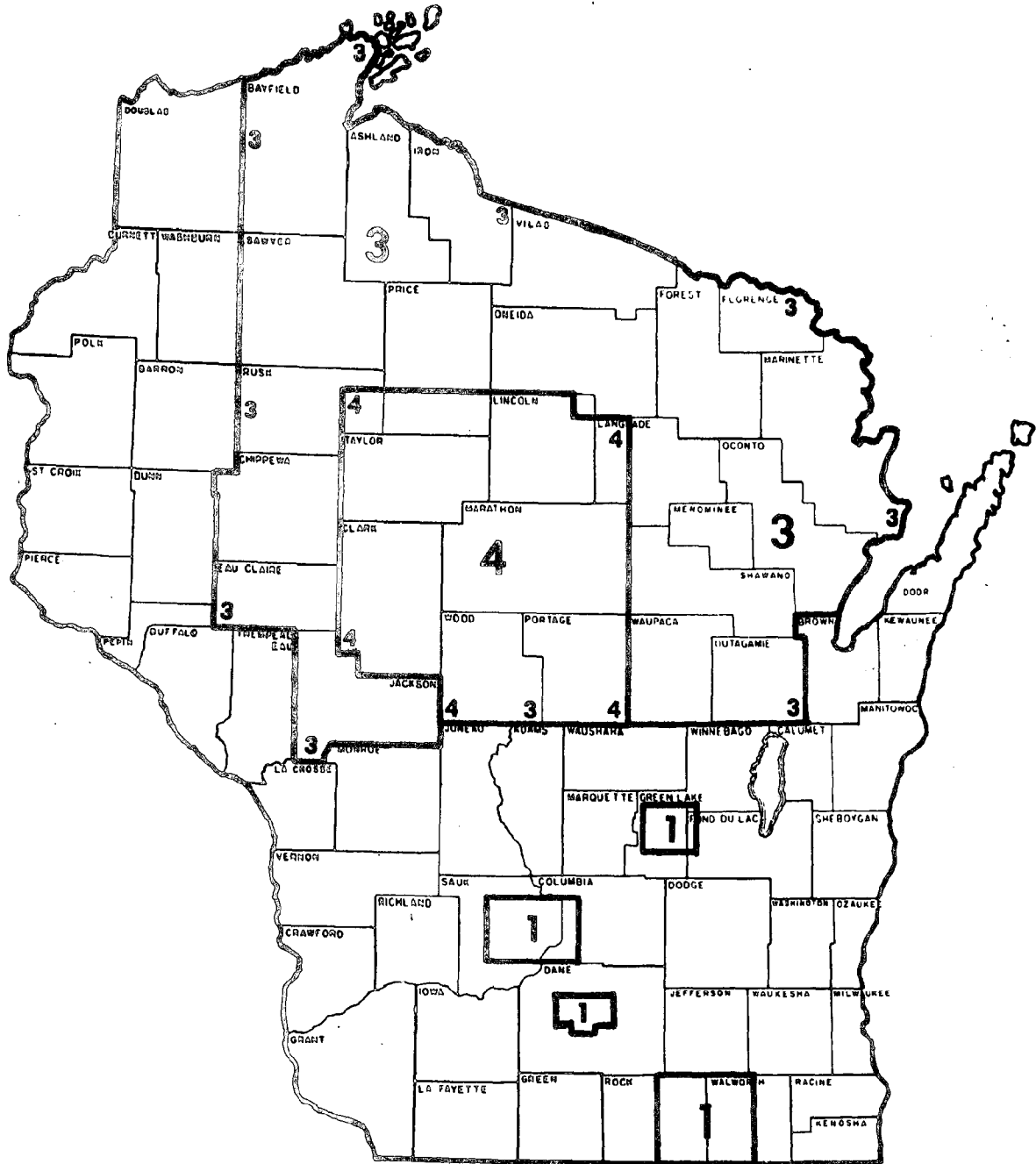
PLEISTOCENE LANDFORMS MAPS

- 1) The Physical Geography of Wisconsin
L. Martin; 1916 (reprinted); WGNHS Bull. 36, Educ. Ser. #4
Scale - 1:125,000 to 1:1,000,000; Remarks - several maps of glacial activity and features, a state landforms map; text is reprinted by UW Press without landforms map; contact WGNHS.
- 2) Late Quarternary Environments of Wisconsin
J. Knox and D. Mickelson; 1974; sold by WGNHS
Remarks - text only, describes Quarternary history and evidence for many glacial activities in Wisconsin; contact WGNHS.
- 3) Project Sanguine: Landforms - Soils and Rocks Map
U.S. Navy Underwater Sound Laboratory; 1969
Scale - 1:48,000; Remarks - quadrangle maps indicating depositional landforms, geology, and soils, only partial county coverage for area indicated on map; contact UW Geography Dept., Map and Air Photo Library.
- 4) The Geology of North Central Wisconsin
S. Weidman; 1907; WGNHS Bull. 16, Sci. Ser.
Scale - 1:190,080 (1" = 3 mi.); Remarks - 13 mapped Pleistocene formations and features, accompanying maps; contact WGNHS.
- 5) Pleistocene of Part of Northeastern Wisconsin
F. T. Thwaites; 1943; Geol. Soc. Amer. Bull. V 54(1), pp. 87-144.
Scale - 1:250,000; Remarks - 16 mapped depositional features, many sources for mapped information, map and text available for purchase; contact WGNHS.
- 6) Hydrology of the Pine-Popple River Basin
E. Oakes, et al; 1973; USGS Water Supply Paper 2006
Scale - 1:125,000; Remarks - 4 mapped units, contact USGS--Washington or WGNHS
- 7) Pleistocene Geology of the Door Peninsula, Wisconsin
F. T. Thwaites and K. Bertrand; 1957; Geol. Soc. Amer. Bull. V. 63(7) pp. 831-879
Scale - 1:250,000; Remarks - more than 10 landforms mapped along with other data, source in field survey; contact WGNHS
- 8) Geology and Ground Water Resources of Dane County, Wisconsin
D. Cline; 1965; USGS Water Supply Paper 1779-U
Scale - 1:250,000; Remarks - 6 mapped physiographic units, other accompanying maps; contact WGNHS or USGS.
- 9) The Quaternary Geology of Southeastern Wisconsin
W. C. Alden; 1918; USGS Prof. Paper 106
Scale - 1:250,000; Remarks - 29 mapped landforms, deposits and ice movements directions, accompanying maps, contact WGNHS.
- 10) Landforms of Wisconsin
D. A. Woodward; 1971
Scale - 1:1,000,000; Remarks - colored, available with or without lines, map indicates relief
- 11) Shaded Relief of Wisconsin
USGS; 1968;
Scale - 1:500,000; Remarks - USGS state base maps with darker tones showing higher elevations

PLEISTOCENE LANDFORM MAPS

Map No. 1

(Continued on next map)



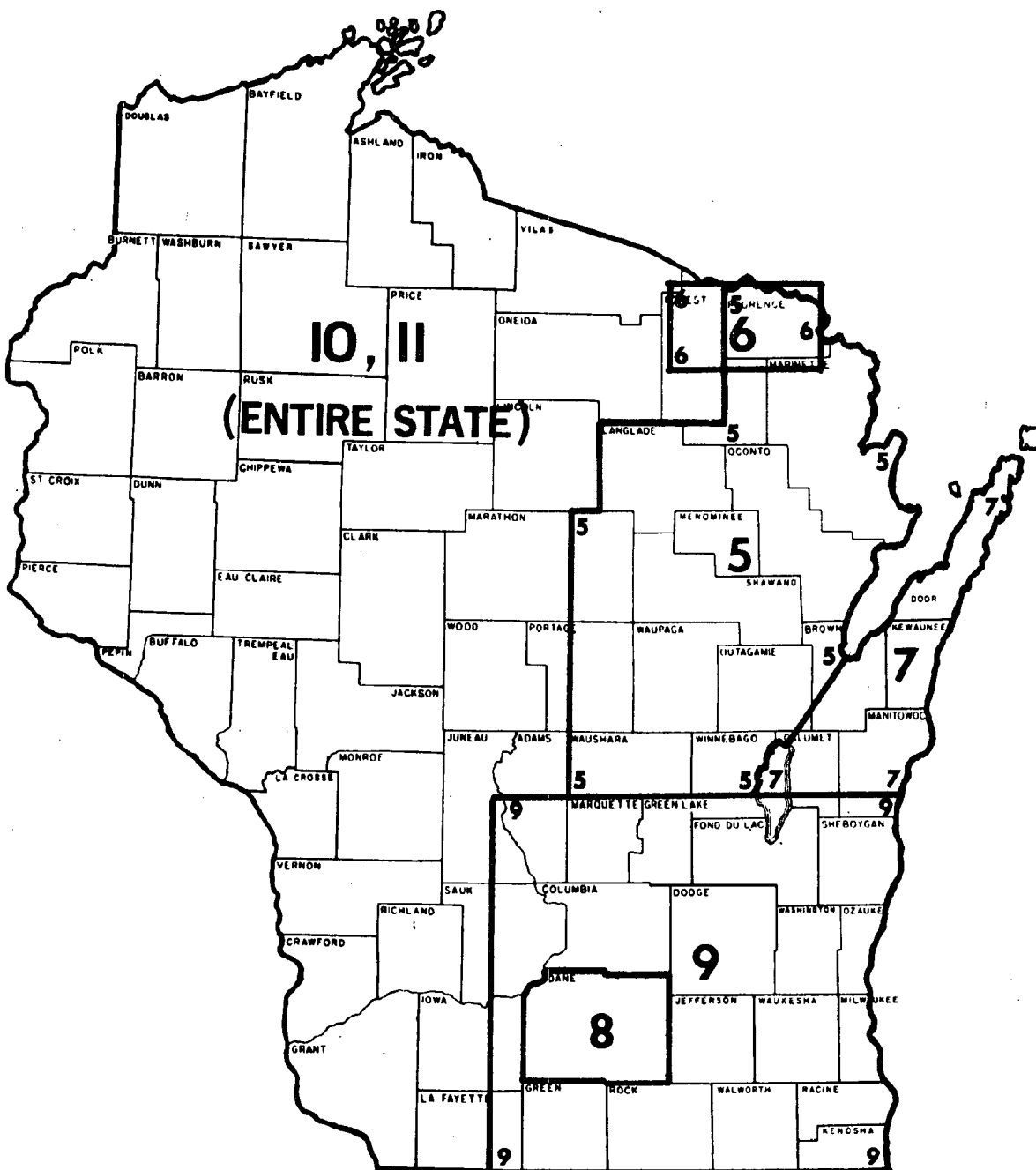
WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

PLEISTOCENE LANDFORMS MAPS

Map No. 2



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Mapped and Tabular (published and unpublished)

Date of Collection: Varies, 1960-present

- see following list

Date of Publication: Varies, 1907-1975, some unpublished

Detail: Varies. See lists of regional maps and county/sub-county maps for map scales and number of deposit types mapped.

Aggregation: Varies. Regional maps include statewide maps and multi-county surveys. County and sub-county maps are usually accompanied by a textual description and a set of other maps. Some maps are unpublished.

Quality: Depends on detail of classification for mapped deposits and scale of maps. See following lists.

Timeliness: Older maps can be of same value as newer maps, although newer maps generally have larger scales.

Sources: Most base maps are USGS quadrangle maps. Sources include field surveys, aerial photography; some county maps are modified from earlier reconnaissance surveys.

Textual Description: Maps showing surficial and Pleistocene deposits are useful for locating road fill and building foundation materials, determining suitability of land for development or waste disposal, or for determining water supply potential. Mapped units include some or all of the following: landforms, ages of glacial deposits, textures, origins of deposits (lake deposits, etc.), degree of sorting, and mineral composition. Most maps indicate major cultural features, roads, Public Land Survey lines, latitude-longitude, and drainage. Some maps have accompanying cross-sectional diagrams of the deposits. Those maps which are part of water resource investigations (see following list) are accompanied by a set of other maps (surficial deposit thickness maps, piezometric surface maps, etc.).

Contact for Purchase:

Wisconsin Geological and Natural
History Survey
or
U.S. Geological Survey
Public Inquiries Office
19th and F Streets, N.W.
General Services Building
Washington, D.C. 20244

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

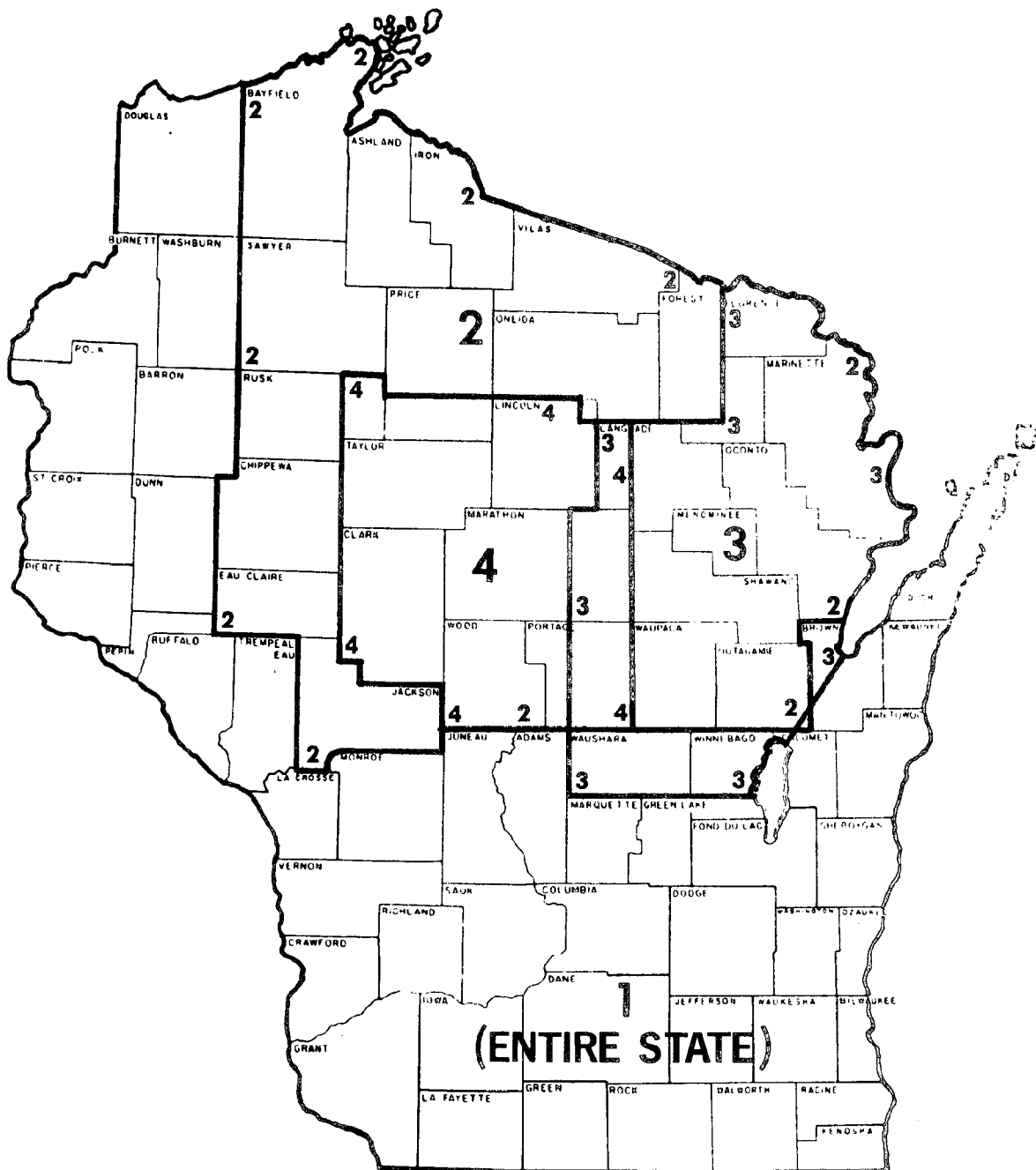
SURFICIAL AND PLEISTOCENE GEOLOGIC MAPS Regional Maps (multi-county)

	<u>Date of Publication</u>	<u>Scale</u>	<u>Number of Mapped Units</u>	<u>Remarks</u>
1) Glacial Deposits Maps of Wisconsin. Wisconsin Geological and Natural History Survey.	1975	1:250,000	5	Contact WGNHS--open-file report; data collected; 1918-1974; state-wide coverage
2) Project Sanguine-Landforms maps. U.S. Navy, New London, Connecticut	1969	1:48,000	10+	see Map & Air; Photo Library, UW Geography Dept.
3) Pleistocene of Part of Northeastern Wisconsin. F. T. Thwaites; Bull. Geol. Soc. Amer. 54(1):87-144.	1943	1:250,000	16	contact WGNHS; data collected 1926-1941.
4) The Geology of North-Central Wisconsin. S. Weidman; WGNHS, Bull. 16	1907	1:187,500	13	
5) Water Availability in Central Wisconsin--An Area of Near- Surface Crystalline Rock. E. A. Bell, et. al; USGS Water Supply Paper 2022	1974	1:125,000		contact WGNHS or USGS
6) Pleistocene Geology of the Door Peninsula, Wisconsin. F. T. Thwaites, et. al.; Geol. Soc. Amer. Bull. 68(7):831-879.	1957	1:250,000	11	contact WGNHS
7) Quaternary Geology of Southeastern Wisconsin. W. C. Alden; USGS Prof. Paper 106.	1918	1:250,000	29	contact WGNHS or USGS other glacial maps included
8) Late Quaternary Environments of Wisconsin. J. Knox and D. Mickelson; WGNHS.	1974			contact WGNHS--text only
9) Pleistocene Geology of Southern Wisconsin. WGNHS Info. Circular #15.	1970			contact WGNHS--text only

SURFICIAL AND PLEISTOCENE GEOLOGIC MAPS

Regional Map No. 1

(Continued on next map)



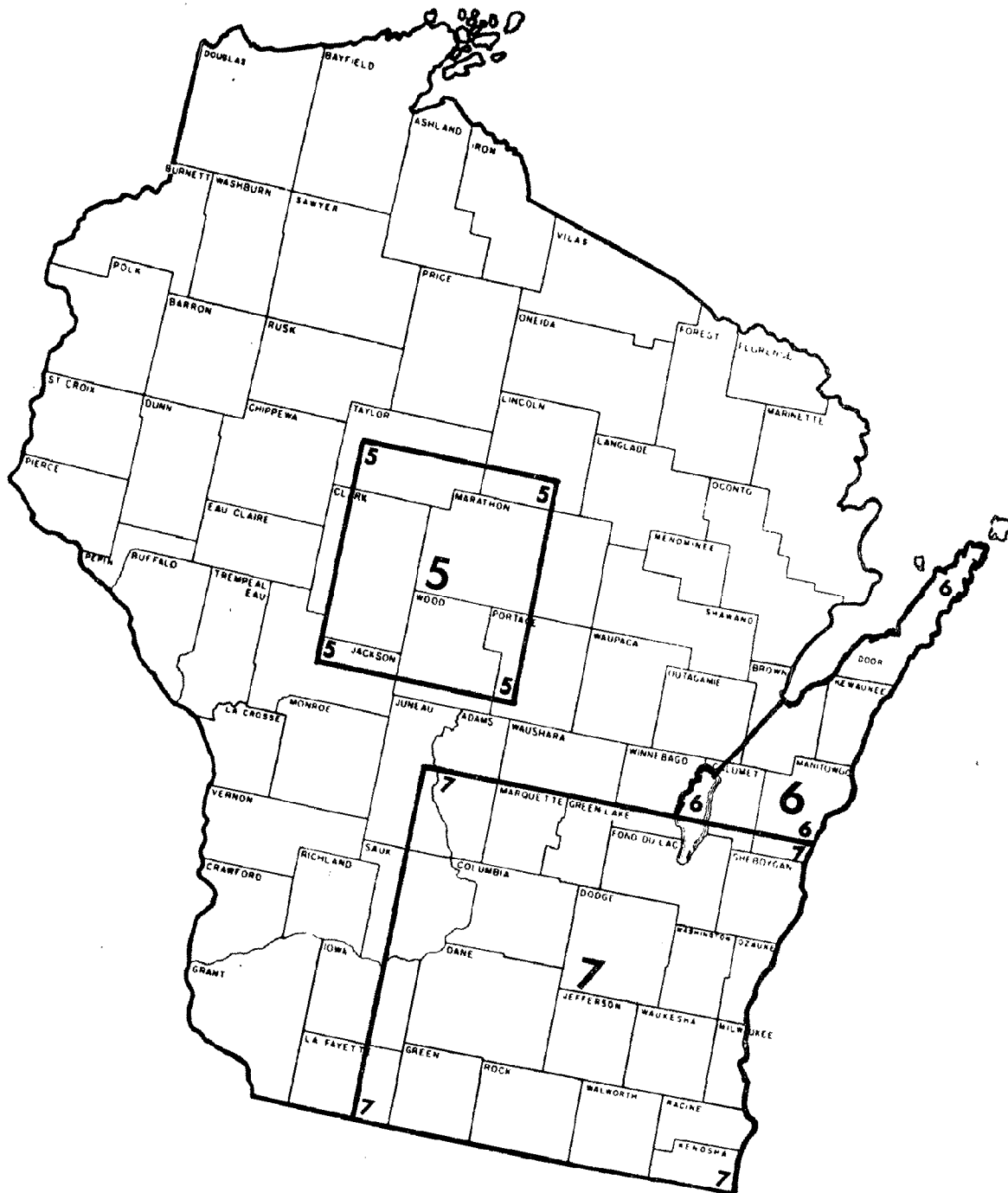
WISCONSIN State Planning Office
Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

SURFICIAL AND PLEISTOCENE GEOLOGIC MAPS

Regional Map No. 2



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

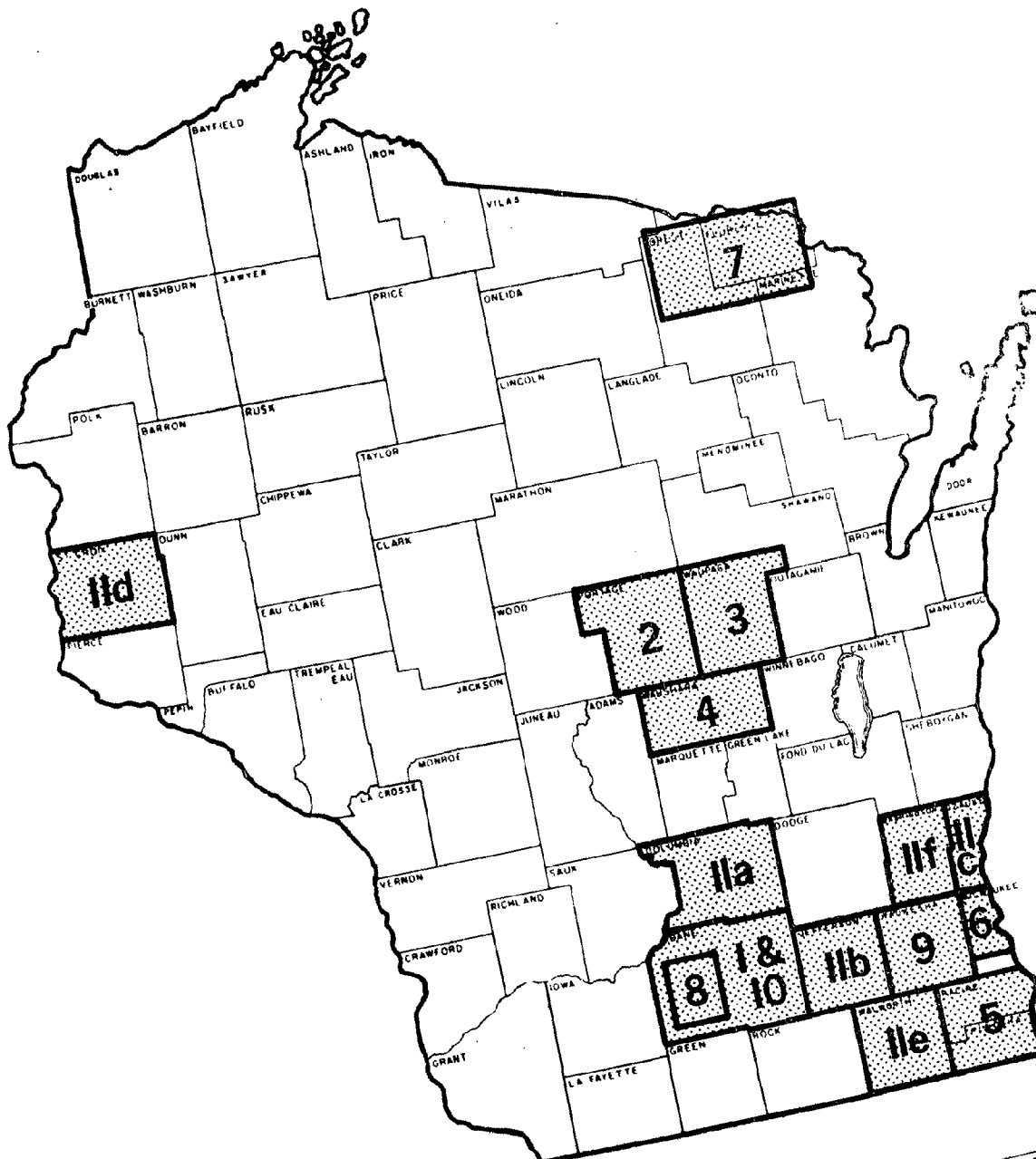
SURFICIAL AND PLEISTOCENE GEOLOGIC MAPS County and Sub-County Maps

	<u>Date of Publication</u>	<u>Scale</u>	<u>Number of Mapped Units</u>	<u>Remarks</u>
1) Geology and Ground Water Resources of Dane County, Wisconsin. D. Cline; USGS Water Supply Paper 1779-U.	1965	1:250,000	6	data collected 1918-65; contact WGNHS or USGS-- Washington
2) Geology and Water Resources of Portage County, Wisconsin. C. L. R. Holt; USGS Water Supply Paper 1796.	1965	1:62,500		contact WGNHS or USGS-- Washington
3) Ground Water Resources of Waupaca County, Wisconsin. C. F. Berkstresser; USGS Water Supply Paper 1669-U.	1964	1:62,500		data collected 1943-64; contact WGNHS or USGS-- Washington
4) Geology and Ground Water Resources of Waushara County, Wisconsin W. K. Summers; USGS Water Supply Paper 1809-B	1965	1:62,500	9	contact WGNHS or USGS-- Washington
5) Water Resources of Racine and Kenosha Counties, Wisconsin. R. D. Hutchinson; USGS Water Supply Paper 1878.	1970	1:125,000	5	contact WGNHS or USGS-- Washington
6) Description of the Milwaukee Quadrangle, Wisconsin. W. C. Alden; USGS Geol. Atlas Folio 140.	1906	1:62,500		contact USGS--Washington
7) Hydrology of the Pine-Popple River Basin, Wisconsin. E. Oakes, et.al.; USGS Water Supply Paper 2006.	1973	1:125,000	4	contact WGNHS or USGS-- Washington
8) Hydrology of the Upper Black Earth Creek Basin. D. Cline; USGS Water Supply Paper 1669-U.	1963	1:62,500		data collected 1958-63; contact WGNHS or USGS-- Washington
9) Surficial Materials Map of Waukesha County, Wisconsin. WGNHS.	1974	1:24,000 1:62,500	55	open-file map contact WGNHS or USGS--Washington
10) Surficial Materials Map of Dane County, Wisconsin. WGNHS.	forthcoming	1:24,000 1:62,500	55	open-file map contact WGNHS or USGS--Washington
11) Geology and Ground Water Resources of (Columbia, Jefferson, Ozaukee, St. Croix, Walworth, Washington) Counties, Wisconsin; WGNHS	forthcoming	1:24,000		unpublished--contact WGNHS or USGS--Washington

SURFICIAL AND PLEISTOCENE GEOLOGIC MAPS

County and Sub-County Maps

(see accompanying list of sources)



WISCONSIN State Planning Office
Department of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Published Maps

Ashland

Bayfield

Date of Collection: 1969

Date of Publication: 1969

Chippewa
Clark

Detail: 1:48,000 (USGS 15 minute planimetric series)

Aggregation: Maps available for each USGS 15 minute quadrangle in study area (see map). Countywide summaries available for each county in study.

Eau Claire
Florence
Forest

Quality: Little field surveying undertaken to verify air photos. Project intended to be a preliminary engineering planning project.

Iron
Jackson

Timeliness:

Sources: USGS base maps, field surveys, USDA aerial photography, DOT aerial photography.

Langlade
Lincoln

Textual Description: The publication, Project Sanguine: Landforms - Soils and Rocks Maps, and the accompanying county summaries offer an analysis of the geology and soils of the area. The data included on the maps include depositional landforms: glacial-fluvial, fluvial and eolian. These are further subdivided to include a more refined and descriptive classification of landforms. Another section shows erosional landforms: soils, bedrock, and special features (bouldery soils and ridges of stratified sand). These symbols may be combined to indicate areas containing more than one classification.

Marathon
Marinette
Menominee

Oconto
Oneida
Outagamie

Included in the summary is a generalized county-wide landform map, a descriptive summary and a bibliography.

Portage
Price

A detailed discussion of the methodology employed is contained in An Airphoto Analysis of a Portion of Wisconsin and Michigan (12/69) - For Project Sanguine.

Rusk

Sawyer
Shawano

Contact for Information

Taylor

University of Wisconsin-Madison
Department of Geography Map &
Air Photo Library
Room 384 Science Hall
Madison, Wisconsin 53706
(608) 262-1471

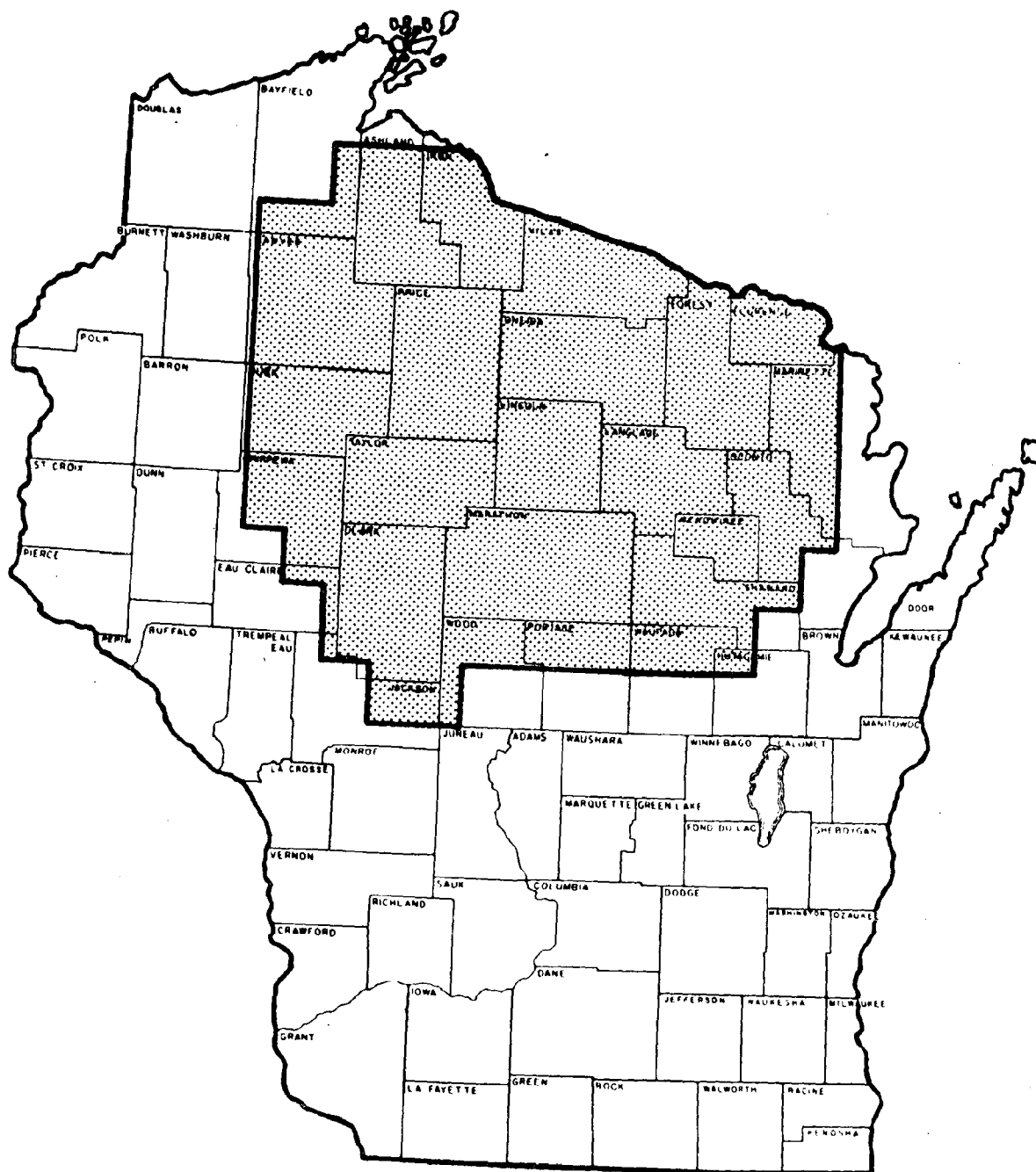
Vilas

Waupaca

or U.S. Navy Underwater Sound
Laboratory
Fort Trumbell
New London, Connecticut

Wood

PROJECT SANGUINE, 1969



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Published and Unpublished Maps

Date of Collection: 1900's to present

Date of Publication: 1953 - 1975 (see following list).

Detail: Scale varies from 1:24,000 to 1:1,000,000 (see following list).
Most maps have contour intervals of 50-100 feet.

Aggregation: One published state map. Also published regional maps (multi-county), county maps and sub-county maps, some of which are not yet published. Each county or sub-county map is part of a set of maps which are described in an accompanying publication.

Quality: Most county and sub-county maps are of high quality and accuracy.

Timeliness: Information does not easily become outdated.

Sources: Published and unpublished reports of WGNHS and USGS. See authors on following list. Base maps are derived from USGS topographic and planimetric maps.

Textual Description: Maps indicating depth to bedrock are equivalent to maps indicating the thickness of unconsolidated surface materials. Depths are usually obtained from well logs, exploration drill holes or outcrops. Knowledge of depth to bedrock is useful in a wide variety of foundation engineering, water supply, water quality, mineral resource and many other applications.

Additional information can be obtained from well logs and other unpublished surveys. The author, name of publication, date and scale for each source indicated on the state map is found on the following list.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

DEPTH TO BEDROCK / THICKNESS OF SURFICIAL DEPOSITS

Regional (multi-county) Maps

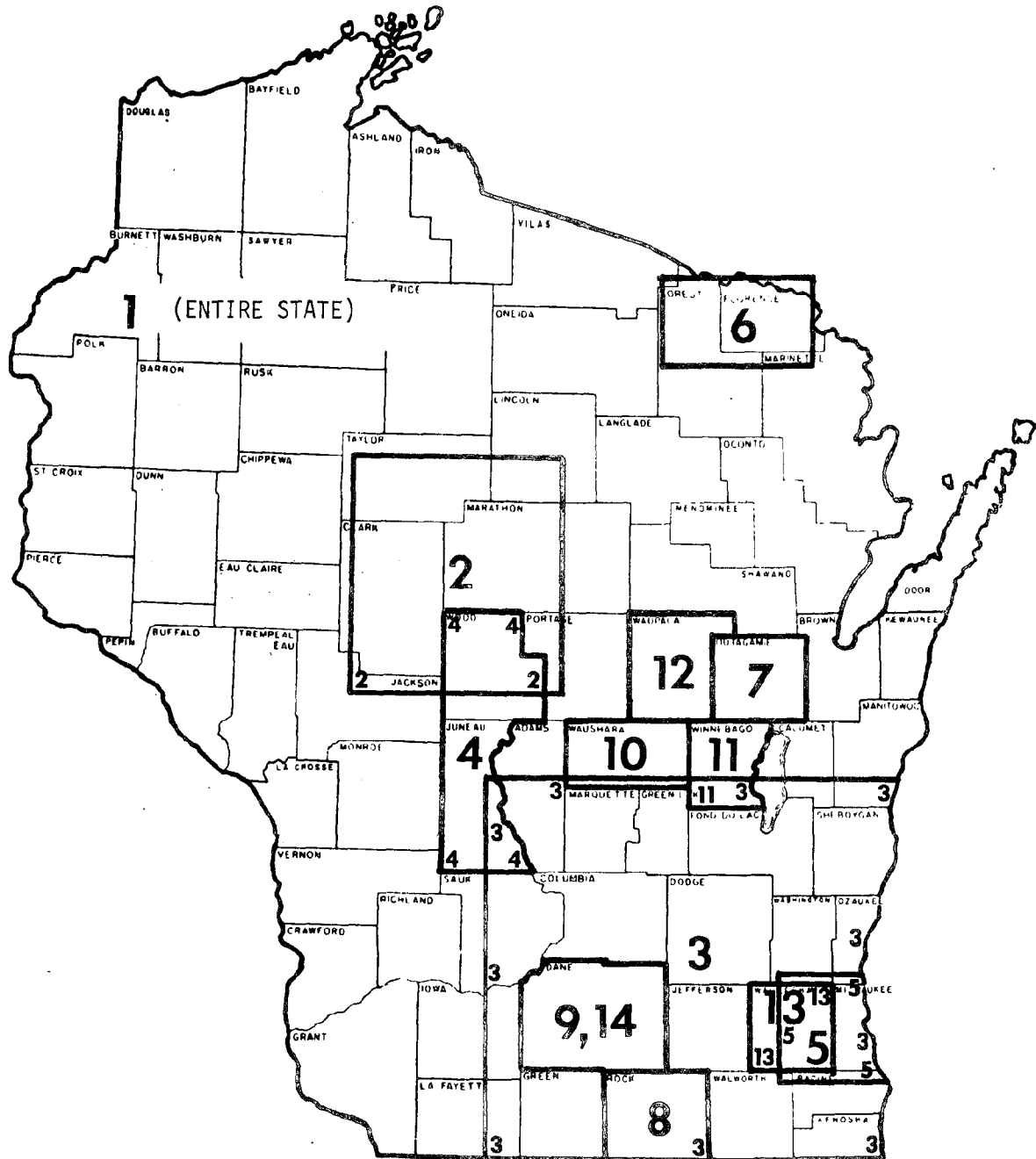
- 1) Depth to Bedrock Map of Wisconsin
U.S. Geological Survey and Wis. Geol. and Natural History Survey;
R. C. Trotta and R. D. Cotter
Date: 1973; Scale: 1:1,000,000
- 2) Water Availability in Central Wisconsin - An Area of Near-Surface
Crystalline Rock
USGS Water Supply Paper 2022-I; E. A. Bell and M. C. Sherill
Date: 1974; Scale: 1:125,000
- 3) Quaternary Geology of Southeastern Wisconsin
USGS Professional Paper 106; W. C. Alden
Date: 1918; Scale: 1:250,000

County and Sub-county Maps

- 4) Water for Cranberry Culture in the Cranmoor Area of Central Wisconsin
USGS Water Supply Paper 1999-I; Hamilton
Date: 1971; Scale: 1:62,500; sub-county coverage
- 5) Ground Water Conditions in the Milwaukee-Waukesha Area of Wisconsin
USGS Water Supply Paper 1229; F. C. Foley, et al
Date: 1953; Scale: 1:250,000
- 6) Hydrology of the Pine-Popple River Basin - Hydrology of a Wild River
Area, Northeastern Wisconsin
USGS Water Supply Paper 2006; E. Oakes, et al
Date: 1973; Scale: 1:125,000
- 7) Geology and Ground Water Resources of Outagamie County, Wisconsin
U.S. Geol. Survey, Water Supply Paper 1421; E. F. LeRoux
Date: 1957; Scale: 1:84,460
- 8) Geology and Ground Water Resources of Rock County, Wisconsin
U.S. Geol. Survey, Water Supply Paper 1619-X; E. F. LeRoux
Date: 1963; Scale: 1:63,360
- 9) Geology and Ground Water Resources of Dane County, Wisconsin
U.S. Geol. Survey, Water Supply Paper 1779-U; Danzel Cline
Date: 1965; Scale: 1:125,000
- 10) Geology and Ground Water Resources of Waushara County, Wisconsin
U.S. Geol. Survey, Water Supply Paper 1809-B; W. K. Summers
Date: 1965; Scale: 1:62,500
- 11) Geology and Ground Water Resources of Winnebago County, Wisconsin
U.S. Geol. Survey, Water Supply Paper 1814; Perry Olcott
Date: 1966; Scale: 1:62,500
- 12) Ground Water Resources of Waupaca County, Wisconsin
USGS Water Supply Paper 1669-U; C. F. Berkstresser
Date: 1964; Scale: 1:62,500
- 13) Unpublished bedrock topography map of Waukesha County, Wisconsin
Wis. Geol. and Nat. Hist. Survey, open-file report
Date: 1975; Scale: 1:24,000 and 1:62,500
- 14) Unpublished bedrock topography map of Dane County, Wisconsin
Wis. Geol. and Nat. Hist. Survey, open-file report
Date: 1975; Scale: 1:24,000 and 1:62,500

DEPTH TO BEDROCK/THICKNESS OF SURFICIAL DEPOSITS MAPS

(See accompanying list of sources)



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Maps (published and unpublished)

Date of Collection: Old records, 1911, 1949

Date of Publication: 1911, 1965 (revision of 1949 map), 1971

Detail: 1911 map is 1:380,160 (1" = 6 mi.); 1965 map is 1:1,000,000 (minimum size of mapped rock units is 200 acres); 1971 map format is 8 1/2" x 11" (scale is 1:2,730,000). The 1965 map is more accurate than the 1911 map; 1971 map has more detail for northeastern Wisconsin.
Aggregation: Statewide, single sheet for each map.

Quality: Detail of mapping map accuracy varies for different regions in the state. The Northeastern Wisconsin region is currently being mapped.

Timeliness: Dated. More current and more detailed information is available for most regions in the state.

Sources: 1911 map compiled by W. B. Hotchkiss and F. T. Thwaites. 1965 map compiled by E. F. Bean. 1971 map compiled by WGNHS staff. Sources include published and unpublished surveys by WGNHS and USGS.

Textual Description: All maps are available through WGNHS. The 1911 map has restricted distribution, and the 1965 and 1971 maps are available for purchase.

The 1911 map includes several cross-sectional diagrams. The 1911 and 1965 maps indicate roads, cities, villages, Public Land Survey lines, counties and drainage. The 1965 and 1971 maps have 12 geologic formations delineated, based on geologic age and mineralogy. The 1911 map has 15 formations delineated.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and
 Natural History Survey
 1315 University Avenue
 Madison, Wisconsin 53706
 (608) 262-1705

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaucsee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: GEOLOGYSection: Earth Related ResourcesData type: Maps and Tabular (published and unpublished)Date of Collection: Varies, 1899-1975Date of Publication: Varies, 1900-present, some unpublished.

Detail: Varies. Scales vary from 1:24,000 to 1:500,000. Number of mapped units varies from 3 to 51, depending on classification of minerals and formations. See lists of regional and local maps for information on scale and number of rock types mapped.

Aggregation: Varies. Regional maps include statewide and multi-county coverage; many are special purpose maps (Precambrian geology, iron ranges, etc.). Local maps (county and sub-county) are usually part of a set of maps with accompanying textual descriptions.

Quality: Depends on detail of classification for rock types, field work, and map scale. See following lists.

Timeliness: Newer maps generally have larger scales. Some older maps on the following lists have been superseded by newer maps.

Sources: Most base maps are USGS quadrangle maps; some are county highway maps. Sources include field surveys, aeromagnetic and gravity surveys, well logs, earlier published and unpublished surveys of USGS or WGNHS.

Textural Description: The following lists describes the title of publication, scale, number of rock types mapped, date of publication, and other remarks. Mapped rock types include some or all of the following: mineral types, rock types, geologic formations, age of formations, contacts between rocks, tectonic features, mined areas, well locations. Most maps indicate roads, cultural features, Public Land Survey lines, latitude-longitude, and drainage. Many maps have structural cross-section diagrams and more detailed map inserts.

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

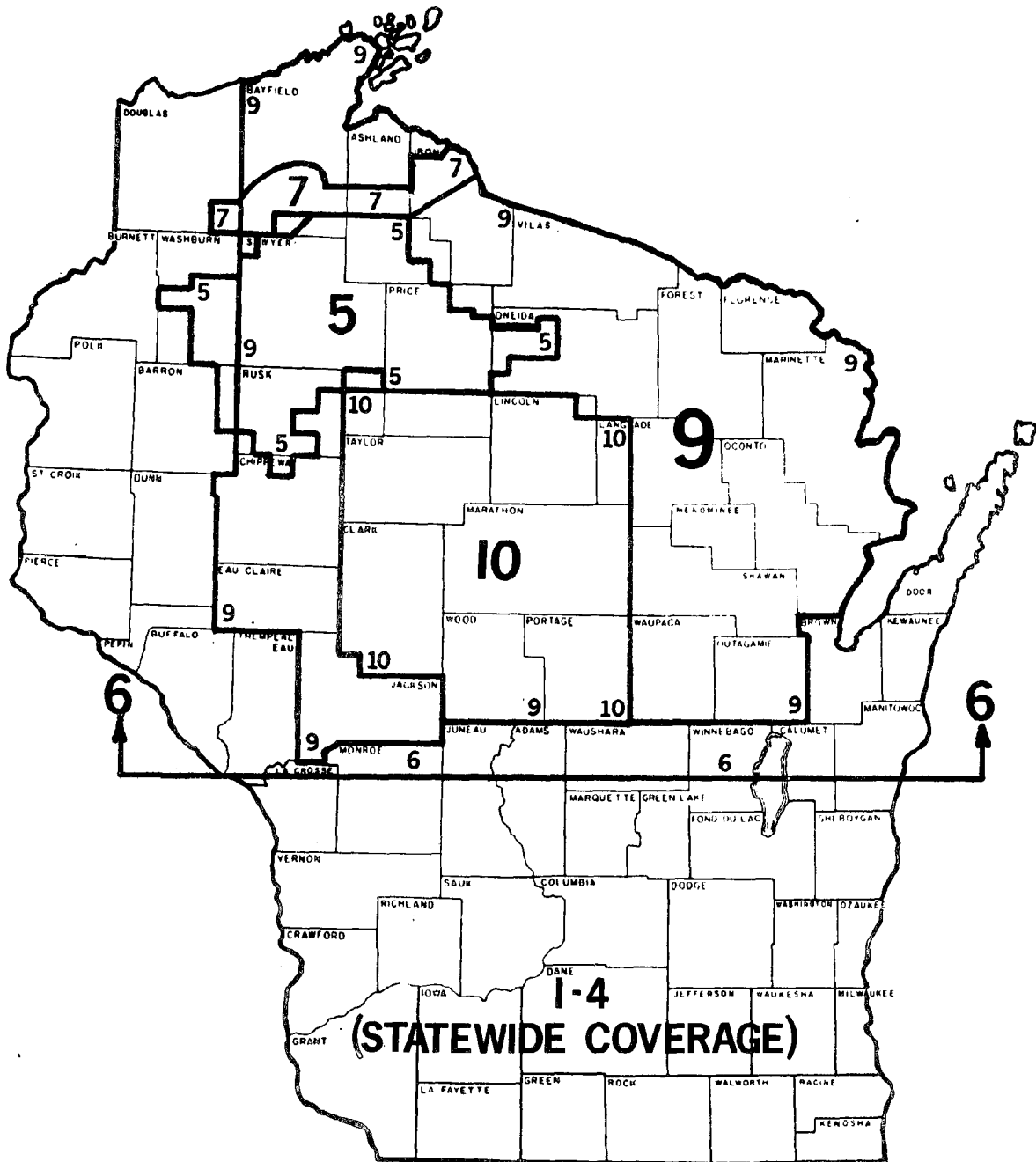
BEDROCK GEOLOGY Regional Maps (multi-county)

	<u>Date of Publication</u>	<u>Scale</u>	<u>Number of Mapped Units</u>	<u>Remarks</u>
1) Geologic Map of Wisconsin, 1911, WGNHS	1911	1:380,160	15	contact WGNHS; limited distribution
2) Geologic Map of Wisconsin, 1949, WGNHS	1945	1:1,000,000	12	contact WGNHS; minimum mapped area is 200 acres
3) Lithologic, Geophysical and Mineral Commodity Maps of Wisconsin C. E. Dutton and R. E. Bradley; USGS Misc. Geol. Inv. Map I-631.	1970	1:500,000	42	contact USGS-Washington or WGNHS; data collected 1963-1968
4) USDA Soil Conservation Service; Geologic Data	varies	site specific	varies	contact SCS; data collected for Watershed projects
5) Geology of Part of Northwestern Wisconsin Hotchkiss and Bean; WGNHS Bull. # XLVI, Econ. Ser. #21	1929	1:375,000	6	contact WGNHS
6) Geologic Map of the Lake Superior Region C. K. Leith, et. al.; WGNHS	1935	1:1,000,000	28	contact WGNHS; limited distribution
7) The Geology of the Gogebic Iron Range of Wisconsin Aldrich; WGNHS Bull. #71, Econ. Ser. #24	1929	1:250,000	12	contact WGNHS; data collected 1915-29; more detailed map inserts included.
8) Sandstones of the Wisconsin Coast of Lake Superior F. T. Thwaites; WGNHS Bull. #XXV, Sci. Ser. #8	1912	1:187,500	14	contact WGNHS
9) Project Sanguine, Landforms Maps (Soils and Rocks) U.S. Navy, New London, Connecticut	1968	1:48,000	10	contact Map and Air Photo Library, UW Geography Dept.
10) Geology of Northcentral Wisconsin S. Weidman; WGNHS Bull. #XVI, Sci. Ser. #4	1907	1:187,500	10	contact WGNHS; detailed map inserts included
11) Preliminary Geologic Maps of Green Bay Sheet and Iron Mountain Sheet, Northcentral and Northeastern Wisconsin WGNHS; Guidebook to Precambrian Geology of NE and NC Wisconsin	1973	1:250,000	51	contact WGNHS
12) Geologic Map of Precambrian Terrain in Northeastern and Northcentral Wisconsin WGNHS; Guidebook to Precambrian Geology of NE and NC Wisconsin	1973	1:500,000	8	contact WGNHS
13) Water Availability in Central Wisconsin--An Area of Near-surface Crystalline Rock E. A. Bell and M. G. Sherill; USGS Water Supply Paper 2022	1974	1:125,000		contact WGNHS; other maps also available
14) Geologic Map of Grant, Iowa and La Fayette Counties U.S. Grant; WGNHS Bull. #XIV, Econ. Ser. #9	1906	1:250,000	7	contact WGNHS
15) Cambro-Ordovician Stratigraphy of Southwestern Wisconsin M. E. Ostrom; WGNHS Info. Circular #7	1965	text only	text only	contact WGNHS
16) Quaternary Geology of Southeastern Wisconsin W. C. Alden; USGS Prof. Paper #106	1918	1:250,000	11	contact WGNHS or USGS--Washington; other maps also available
17) Geological and Road Map of Southeastern Wisconsin R. H. Whitbeck; WGNHS Bull. #58, Educ. Ser. #6	1921	1:375,000	4	contact WGNHS

BEDROCK GEOLOGY

Regional (Multi-County) Map No. 1

(Continued on next map)

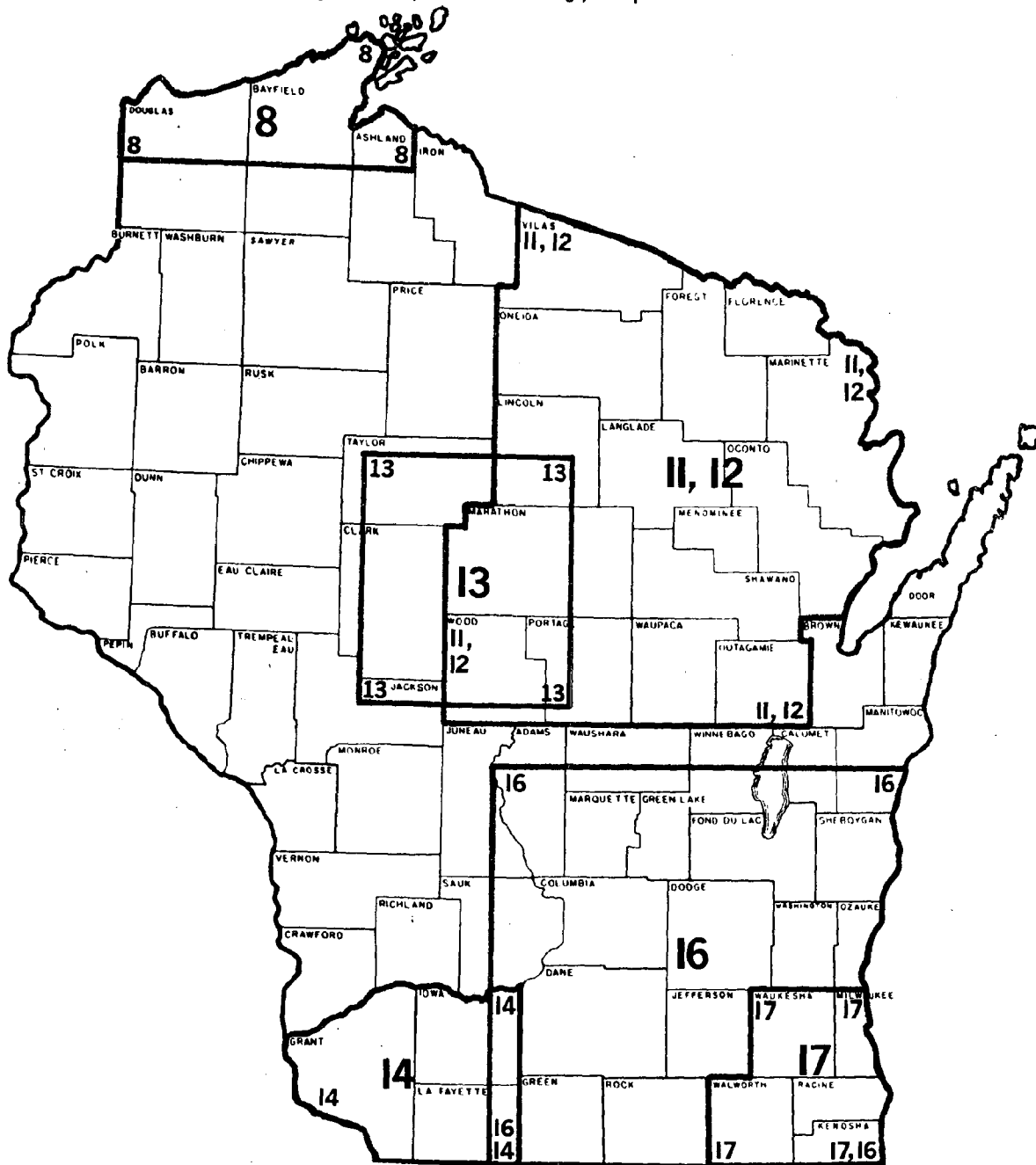


WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

BEDROCK GEOLOGY

Regional (Multi-County) Map No. 2



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

BEDROCK GEOLOGY

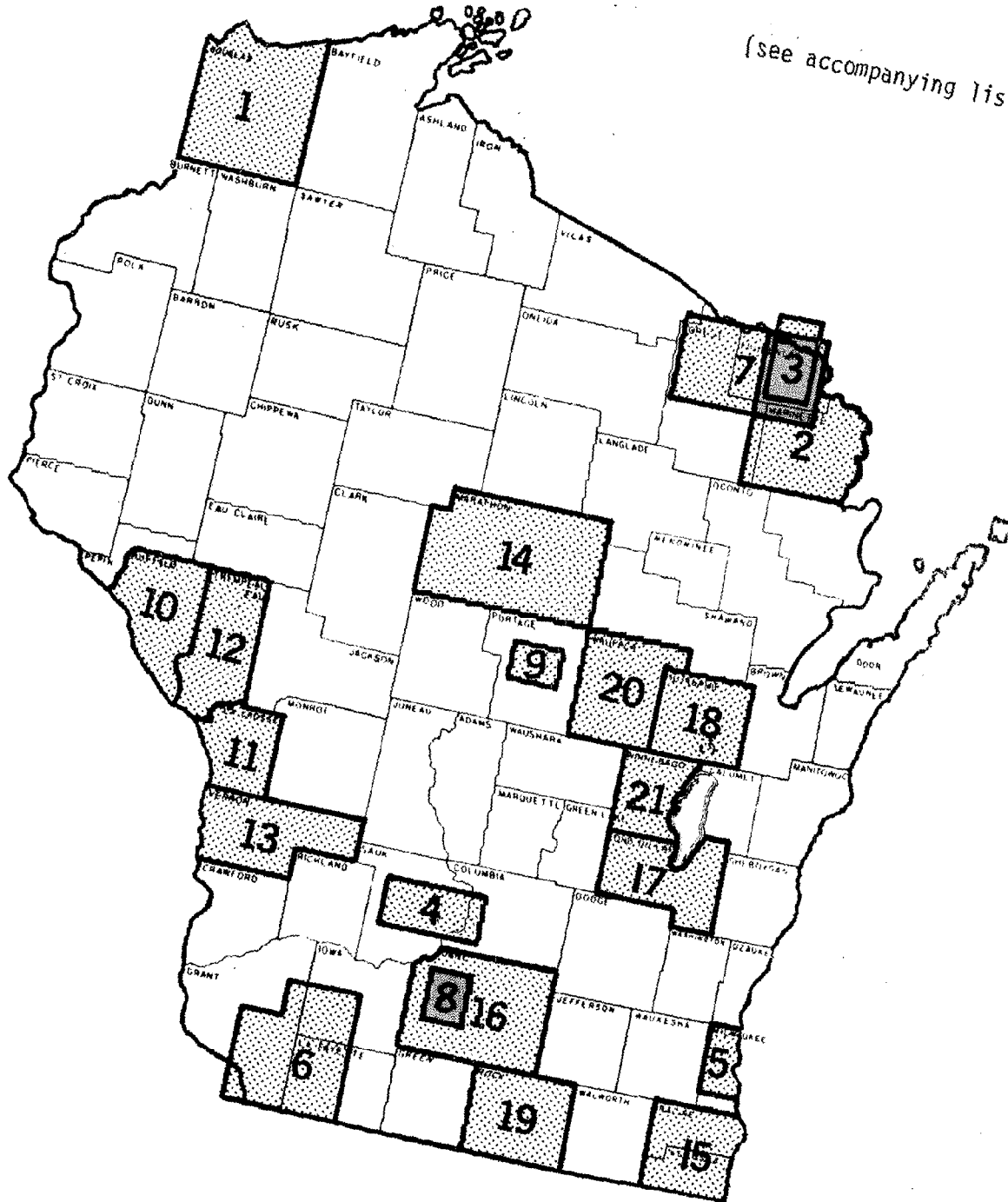
Local Maps (county and sub-county)

	<u>Date of Publication</u>	<u>Scale</u>	<u>Number of Mapped Units</u>	<u>Remarks</u>
1) Copper-bearing Rocks of Douglas County, Wisconsin WGNHS Bull. #VI, Econ. Ser. #3	1900	1:250,000	4	contact WGNHS; more detailed inserts included
2) Precambrian Geology of the Menominee Iron-Bearing District and Vicinity C. E. Dutton and Linebaugh; USGS Misc. Geol. Inv. 1-466	1967	1:125,000	20	contact USGS--Washington or WGNHS; no text
3) Geology of the Florence Area, Wisconsin C. E. Dutton; USGS Prof. Paper 633	1971	1:250,000	8	contact USGS--Washington or WGNHS; accompanying maps
4) Geologic Map of the Baraboo District, Wisconsin I. W. D. Dalziel and R. H. Dott, Jr.; WGNHS Info. Circular #14	1970	1:62,500	14	accompanying maps and text; contact WGNHS
5) Description of the Milwaukee Quadrangle, Wisconsin	1906	1:62,500		contact USGS--Washington
6) Geology of USGS Quadrangle Maps (12 references, see separate inventory entry)	1960-1966	1:24,000	40+	contact USGS--Washington or WGNHS
7) Hydrology of the Pine-Popple River Basin, Wisconsin. E. Oakes, et. al.; USGS Water Supply Paper 2006	1973	1:125,000	12	contact USGS--Washington or WGNHS; accompanying maps and text
8) Hydrology of the Upper Black Earth Creek Basin, Wisconsin. D. Cline; USGS Water Supply Paper 1669-C	1963	1:125,000		contact USGS--Washington or WGNHS; accompanying maps and text
9) Hydrology of the Little Plover River Basin, Portage County, Wisconsin E. P. Weeks, et. al.; USGS Water Supply Paper 1811	1965	1:48,000		contact USGS--Washington or WGNHS; accompanying maps and text
10) Geologic Map of Buffalo County, Wisconsin WGNHS	1931	1:62,500	6	contact WGNHS; no distribu- tion; paleozoic geology
11) Geologic Map of LaCrosse County, Wisconsin WGNHS	1931	1:62,500	6	contact WGNHS; no distribu- tion; paleozoic geology
12) Geologic Map of Trempealeau County, Wisconsin WGNHS	1929	1:62,500	6	contact WGNHS; no distribu- tion; paleozoic geology, poor quality
13) Geologic Map of Vernon County, Wisconsin WGNHS	1928	1:62,500	4	contact WGNHS; no distribu- tion; paleozoic geology
14) Mapping of Precambrian Geology of Marathon County, Wisconsin C. LaBerge and P. Myers; WGNHS		1:24,000	16	contact USGS--Washington or WGNHS; compiled 1970; to be published; texts available
15) Water Resources of Racine and Kenosha Counties, R. D. Hutchinson; USGS Water Supply Paper 1878	1970	1:125,000		contact USGS--Washington or WGNHS; accompanying maps & text
16) Geology and Ground Water Resources of Dane County, Wisconsin D. Cline; USGS Water Supply Paper 1779-U	1965	1:250,000		contact USGS--Washington or WGNHS; accompanying maps & text
17) Geology and Ground Water Resources of Fond du Lac County, Wisconsin T. Newport; USGS Water Supply Paper 1604	1962	1:84,480 (3/4" = 1 mi.)	5	contact USGS--Washington or WGNHS; accompanying maps and text
18) Geology and Ground Water Resources of Outagamie County, Wisconsin L. F. LeRoux; USGS Water Supply Paper 1421	1957	1:84,480	6	contact USGS--Washington or WGNHS; accompanying maps and text
19) Geology and Ground Water Resources of Rock County, Wisconsin E. F. LeRoux; USGS Water Supply Paper 1619-X	1963	1:63,360	3	contact USGS--Washington or WGNHS; accompanying maps and text
20) Geology and Ground Water Resources of Waupaca County, Wisconsin C. F. Berkstresser; USGS Water Supply Paper 1669-U	1964	1:62,500		contact USGS--Washington or WGNHS; accompanying maps & text
21) Geology and Ground Water Resources of Winnebago County, Wisconsin P. Olcott; USGS Water Supply Paper 1814	1966	1:62,500	5	contact USGS--Washington or WGNHS; accompanying maps & text

BEDROCK GEOLOGY LOCAL MAPS

County and Sub-County

(see accompanying list of sources)



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY
Section: Earth Related Resources
Data type: Published Map

Date of Collection: 1969

Date of Publication: 1969

Detail: Scale is 1:63,360 (1" = 1 mi.). Zinc concentrations are shown in contour intervals of 0.05 parts per million.

Aggregation: Single map and accompanying document describing the Southwest Wisconsin zinc-lead area.

Quality: Map has limited use for other purposes than mineral exploration.

Grant

Iowa

Timeliness:

Sources: USGS. Base maps are USGS topographic maps

Lafayette

Textual Description: Sampling stations are springs discharging at the surface. Map indicates trend contours for zinc abundance in spring water. Map also indicates location of reference sites, watershed boundaries, and cultural features normally found on topographic quadrangle maps. Accompanying map and document is WGNHS Information Circular #10.

Contact for Purchase:

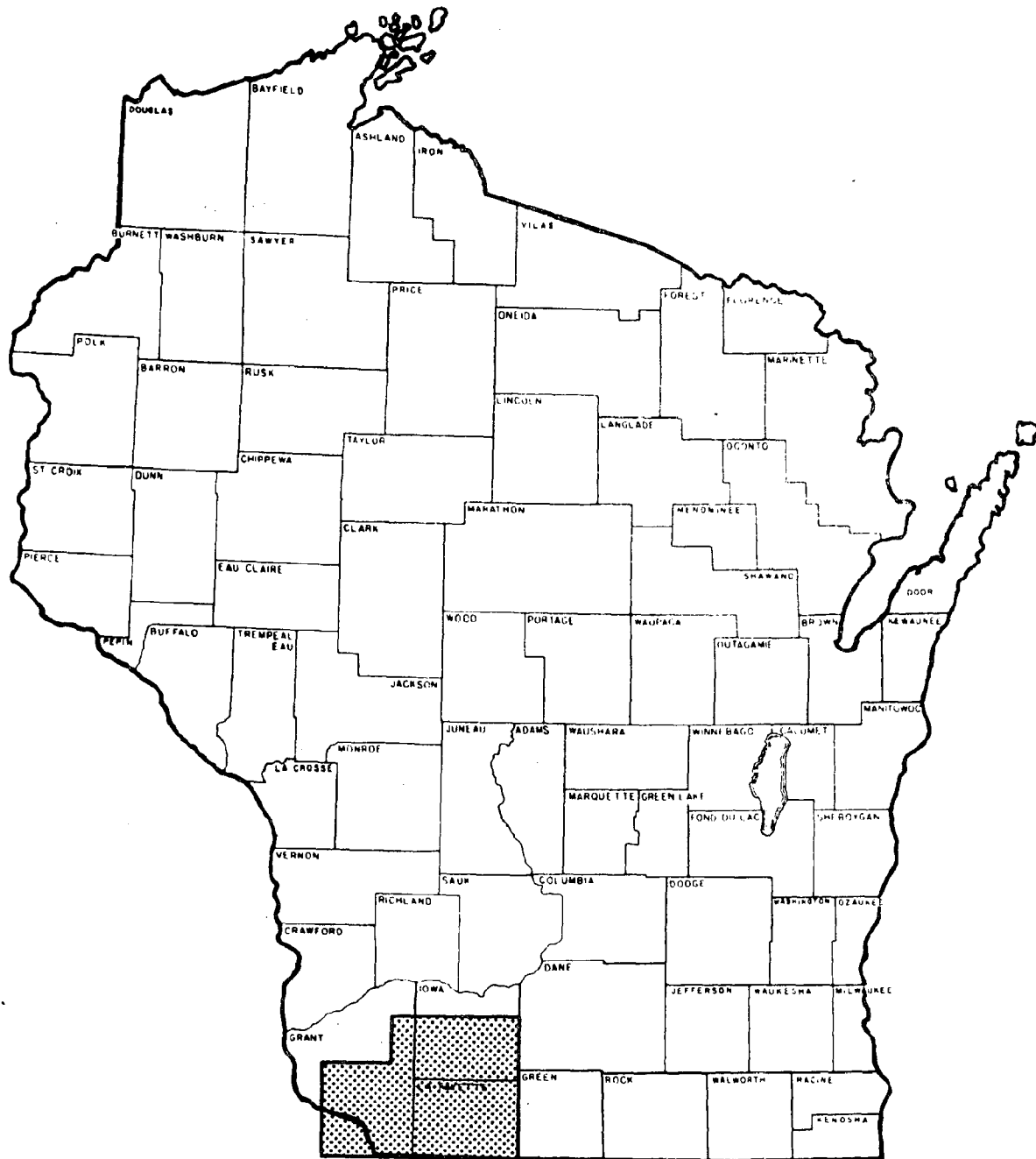
Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53703
(608) 262-1705

GEOCHEMICAL SURVEY

by Spring Sampling

Method



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Mapped and tabular (published and unpublished)

Date of Collection: 1890's - 1973

- see following list

Date of Publication: 1901 - 1974

Detail: Map scales vary from 1:24,000 to 1:500,000. Information is site specific. Most maps only indicate the mine sites or drill holes; others indicate regions of high potential for mineral exploration.

Aggregation: Individual maps vary in scope from 7-1/2 minute quadrangle maps showing drill holes and lead-bearing joints to a state map showing general areas of copper occurrences. A tabular compilation of potential stone production areas lists the current stone producers by name.

Quality: Varies with map scale, detail and intended use of information. The maps are generally accurate in delineating locations of mine sites, although the extent of the mined areas are not indicated.

Timeliness: Most of the large scale maps are over 10 years old.

Sources: WGNHS; private firms; base maps are usually USGS quadrangle maps.

Textual Description: Mine and mineral commodity types include heavy metals (lead, zinc, copper, etc.), stone, and sand and gravel deposits. The maps and documents listed on the following sheet do not include all that are available, and most of these maps are published along with other maps. County maps of pit and quarry sites such as the one compiled for Waukesha County are forthcoming for Dane County and other counties. The information is particularly useful for exploration firms.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

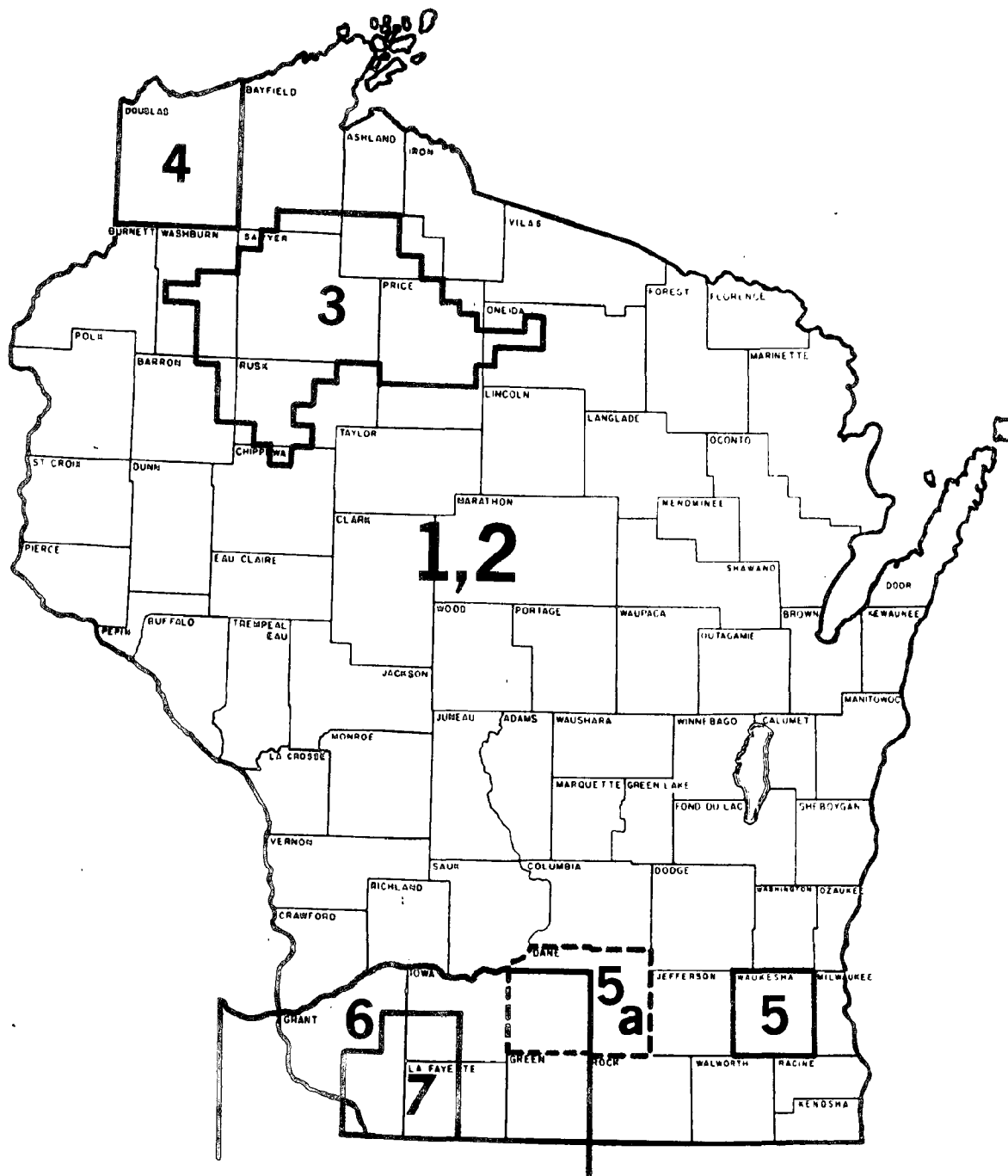
STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

MINE LOCATIONS AND MINERAL COMMODITY MAPS AND DOCUMENTS

- 1) Lithologic, Geophysical, and Mineral Commodity Maps of Precambrian Rocks in Wisconsin. Carl E. Dutton and Reta E. Bradley; 1970; USGS Misc. Geol. Inv. Map I-631; Scale - 1:500,000; Remarks - contact USGS Washington or WGNHS, includes other mapped information.
- 2) Potential Stone Production Areas in Wisconsin. David W. Hadley; 1974; WGNHS unpublished report; Remarks: tabular computer listing, indicating producer name, address, commodity type, etc. Contact WGNHS.
- 3) Mineral Land Classification showing indications of iron formations in parts of Ashland, Bayfield, Washburn, Sawyer, Price, Oneida, Forest, Rusk, Barron and Chippewa Counties. W. O. Hotchkins; 1915; WGNHS Bull. 44; Scale - 1:380,160 (1" = 6 mi.); Remarks - contact WGNHS.
- 4) Copper Bearing Rocks of Douglas County, Wisconsin. Ulysses S. Grant; 1900-1901; WGNHS Bull. 6. Scale - 1:250,000; Remarks - contact WGNHS.
- 5) Pit and Quarry Site Maps for Waukesha County, Wisconsin. WGNHS and USGS; 1975; open file report; scale - 1:24,000 and 1:62,500; Remarks - comparable maps forthcoming for Dane County. (5a)
- 6) Zinc-Lead Copper Resources and General Geology of the Upper Mississippi Valley District. Allen V. Heyl, et al; 1955; USGS Bull. 101S-G. Scale - 1:125,000; Remarks - contact USGS Washington or WGNHS, out of print.
- 7) U.S. Geological Survey Bulletins and Geologic Quadrangle Maps. Several publications; 1961-66; see separate entry under Earth Related Data. Scale - 1:24,000; Remarks - contact USGS Washington or WGNHS, contains other mapped information.

MAPS AND DOCUMENTS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Published Maps with textual descriptions

Date of Collection: 1961 - 1966, depending on quadrangle

Date of Publication: 1961 - 1966, depending on quadrangle

Detail: 1:24,000 (USGS 7-1/2 minute quads)

Aggregation: By USGS quadrangle or multi-quadrangle. Available for purchase from WG&NHS.

Quality: Highly detailed mapped information. Some information is site specific.

Grant

Iowa

Timeliness: Up-to-date - geologic information does not usually become out of date.

Sources: USGS base maps, field surveys

Lafayette

Textual Description: Geologic Maps show all or a combination of the following information: types of formations and rocks, strike and dip of joints, lead-bearing joints, mined areas, outcrops, fractures, drill holes, faults, elastic dikes, shear zones, wells, etc.

The information is overlayed on USGS topographic base maps which show topography, natural features, etc. Also included in the studies are geophysical and mineralogical types of data such as columnar sections of rocks of different geological ages, maps of mines, etc. A textual description accompanies each map.

The series entitled: Geologic Quadrangle Maps of the United States shows the same information at the same scale but has replaced the lengthy textual description with a short narrative included on the map.

Contact for Purchase:

Map Sales Office
Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
or
U.S. Geological Survey
Public Inquiries Office
19th and F Street, N.W.
General Services Building
Washington, D.C. 20244

Contact for Information:

Map Sales Office
Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Unpublished Tabular

Date of Collection: Continuous compilation since 1930's

Date of Publication: Open file

Detail: High capacity wells (wells pumped in excess of 100,000 gallons per day) and public wells (in parks, etc.) are sampled and logged in 5 foot depth intervals.

Aggregation: Filed by county. Logs include general information, drilling information, and the physical description of core samples from wells. A map index (DOT county road maps) indicates the locations of all compiled well logs.

Quality: Analysis of cuttings from core samples is performed by professional geologists.

Timeliness:

Sources: Drillers' construction reports and core samples.

Textual Description: The Wisconsin Geological and Natural History Survey receives well core samples and construction reports and prepares logs for all high capacity wells (those which can yield over 100,000 gallons per day) drilled in the state. General information catalogued for each well includes name of well, owner, address, name of well driller, USGS quadrangle map name, type of water use, and specific capacity of well. Drilling information includes drill hole dimensions, name of person analyzing core samples, type of geologic formation, and well testing remarks (drawdown). Well log includes depth (in 5 foot intervals for high capacity wells), lithology of each depth, rock type, color, grain size, and miscellaneous remarks. Several thousand logs have been compiled. About 50,000 feet of well drilling is done each year. The DNR receives and files construction reports on all wells drilled in the state.

Contact for Purchase:

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Published maps and accompanying texts

Date of Collection: 1950 - 1974

Date of Publication: 1966, 1970, 1974 (continuing survey)

Detail: 1966 map (Upper Mississippi Valley), scale = 1:62,500, contour interval is 10 gammas. 1970 map (entire state), scale = 1:500,000, contour intervals of 100-400 gammas. 1974 maps (N. Cen. Wis.), scales from 1:24,000 to 1:125,000, contour intervals of 100 gammas.

Aggregation: 1966 map is published (USGS Bull. 1242-A). 1970 state map is published (USGS Misc. Geol. Investigation Map I-631). 1974 maps are first in a continuing series of published maps which will eventually cover the northern 3/5 of the state.

Quality: The accuracy of aeromagnetic surveys improve with lower flying heights and denser sampling points.

Timeliness: Information is still useful for earth exploration firms.

Sources: Base maps are USGS topographic and planimetric maps. 1966 survey done by USGS and WGNHS. 1970 survey done by C. E. Dutton and R. E. Bradley. USGS 1974 maps done by WGNHS and U.W. Oshkosh.

Textual Description: Maps of magnetic contours are surveyed with airborne magnetic monitoring instruments. They indicate variations in magnetic intensity, and are used to help determine the distribution of rock formations and mineral deposits (especially iron ore). Airborne surveys include: 1966 survey flown in 1950 at 900 feet altitude; 1970 state survey flown at 3,000 feet altitude; 1974 and current surveys flown at 500 feet altitude. The remainder of the northern 3/5 of the state will have been surveyed and mapped at 1:24,000 scale by 1979. Published maps and USGS publications are available for purchase at WGNHS.

An earlier magnetic line mapping program (the Carpenter-Allen maps) was completed in Northeastern Wisconsin (T41N-T44N, R1W-R12E). Individual township maps are available from WGNHS at scale 1:15,840.

Contact for Purchase:

-or-

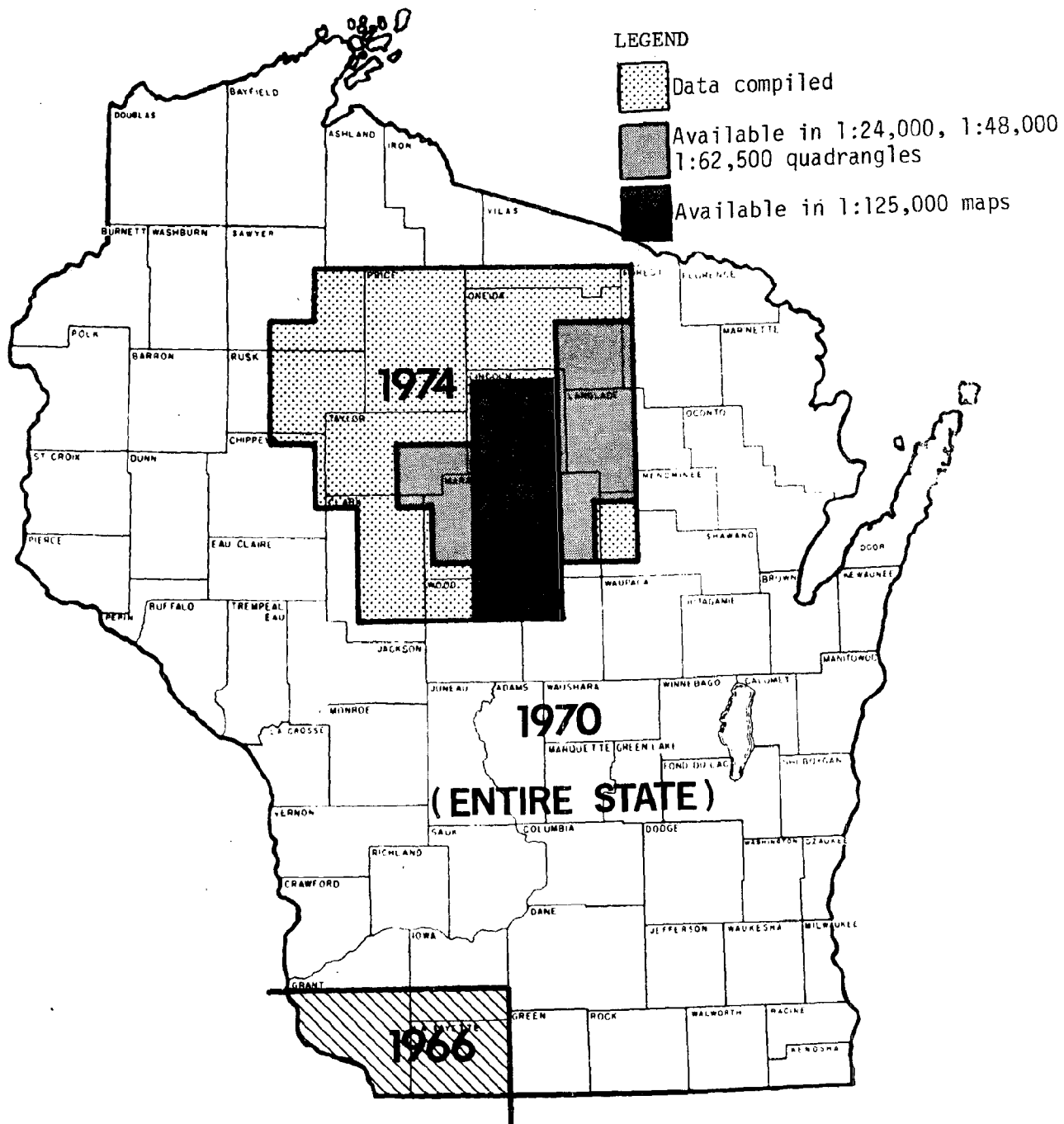
Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

STATUS OF AEROMAGNETIC SURVEYS



WISCONSIN State Planning Office
Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY
Section: Earth Related Resources
Data type: Published and Unpublished Maps

Date of Collection: 1963 - 1974

Date of Publication: 1970, 1972, 1974

Detail: State maps have scales of 1:500,000; Northeastern Wisconsin map is 1:31,680 (2" = 1 mi.). Gravity contour intervals range from 2 to 10 milligals.

Aggregation: State maps are divided into 2 map sheets (N. and S. Wisconsin). Northeast Wisconsin map is single sheet, available on paper or mylar.

Quality: Spatial distribution of gravity monitor stations ranges from 1 per square mile in Northwest Wisconsin to less than 1 per 50 square miles in parts of Central Wisconsin. The more recent maps (1972, 1974) are more accurate for indicating gravity anomalies.

Timeliness:

Sources: Field surveys using a gravimeter by USGS, WGNHS, and private exploration firms. Sources are listed on maps or in accompanying documents. See state map for author and title of published map.

Textual Description: Bouguer gravity anomaly maps are contour maps indicating variations in rock density. They are useful in delineating geophysical features in underlying rock formations; they aid in the identification of structural features, rock boundaries, and ore deposits. The 1970 state map (USGS Misc. Geol. Investigation Map I-631, by C. E. Dutton and R. E. Bradley) was based on gravimeter measurements at 850 locations; gravity contour intervals are 10 milligals. The 1972 map of NE Wisconsin (open file report by Barry A. Carlson) was based on several thousand measurements; the contour interval is 2 milligals. The 1974 state map (by C. P. Ervin and S. Hammer) is based on over 15,000 gravity measurements; the contour interval is 5 milligals. All three maps have accompanying texts. Published maps or diazo reprints are available from WGNHS.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and Natural
 History Survey
 1815 University Avenue
 Madison, Wisconsin 53706
 (608) 262-1705

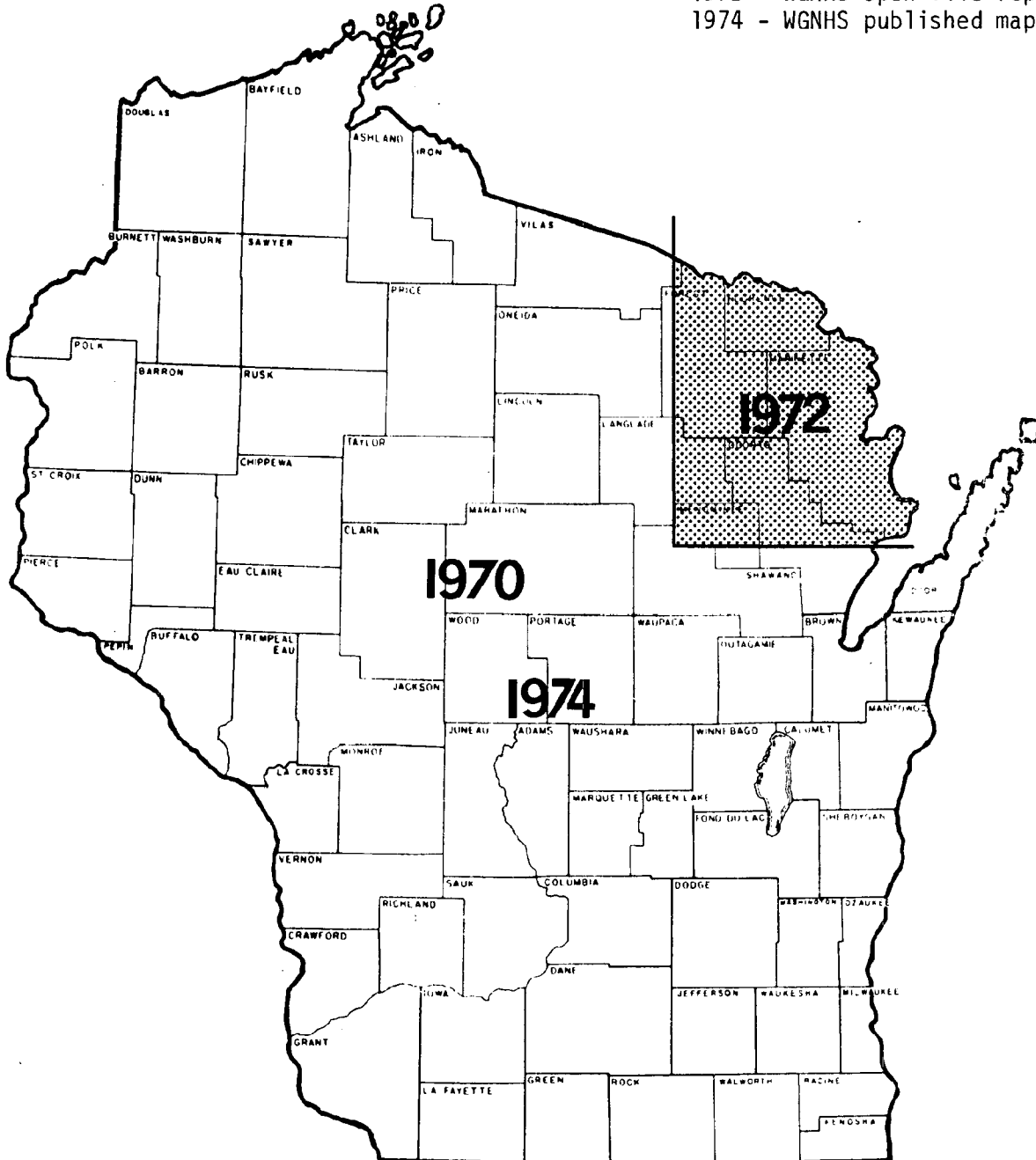
STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

BOUGUER GRAVITY CONTOUR MAPS

LEGEND

1970 - USGS published map & text
 1972 - WGNHS open file report
 1974 - WGNHS published map & text



WISCONSIN	State Planning Office
	Department Of Administration

1975
 WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GEOLOGY

Section: Earth Related Resources

Data type: Unpublished mapped and tabular

Date of Collection: Varies by project. Ongoing data collection.

Date of Publication:

Detail: Data is collected for specific areas; includes survey data (profiles), soil analyses, subsurface geologic data, erosion measurements. Topographic maps are available for specific areas at 1:1,200 or 1:2,400 scale.

Aggregation: Site specific data, usually collected adjacent to dam sites or other sites. Data is collected for Watershed Protection and Flood Prevention projects (approximately 40 projects) and other USDA-SCS projects. Data are filed in log form for each project area.

Quality: Site specific data, generally useful only for detailed studies in the specific area.

Timeliness: Data is collected at the time of project. Some projects are still ongoing.

Sources: Field surveys by USDA-SCS staff, previous geologic studies and reports.

Textual Description: The USDA-SCS River Basin-Watershed Planning Staff collects geological data for Watershed Protection and Flood Prevention (P.L. 566) projects and at the request of local governments throughout the state. The data are collected for erosion studies, sedimentation studies, general geological investigations, foundation studies for dams and other control structures, and surveys for preparation of topographic maps. Geologic logs are prepared for drill holes and pits (12-20 drill holes and pits made at each site). Topographic maps are made for dam sites, extending some distance above the proposed pool elevation. Soil samples are taken for engineering analyses of soil erosion. A textual description of the survey and field observations is prepared for each project.

Contact for Purchase:

Contact for Information:

District Soil Conservationist
or
State Conservationist
USDA-Soil Conservation Service
4601 Hammersely Road
Madison, Wisconsin 53711
(608) 252-5341

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

4.3.1 PUBLICATIONS OF THE WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY 4.3.1

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Earth Related Resources

Data type: Unpublished tabular

Date of Collection: Through 1974 (revised)

Date of Publication:

Detail: Publication is a complete listing of published documents which are available for purchase or review at WGNHS.

Aggregation: Single document, organized according to types of publications. Titles are listed chronologically by date of publication.

Quality: This list is one of the most comprehensive and useful references available for WGNHS and USGS publications.

Timeliness: Updated periodically.

Sources: WGNHS and USGS

Textual Description: The WGNHS periodically produces the bibliography, Publications of the Wisconsin Geological and Natural History Survey. The citations include Bulletins, Information Circulars, Special Reports, Professional Papers, Mineral Investigations, Water Supply Papers, Hydrologic Atlases, Miscellaneous Publications, reprints, open-file maps and reports. There are 30 pages in the listing. Other bibliographies compiled by WGNHS and USGS are also available from WGNHS.

Contact for Purchase:

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Earth Related Resources

Data type: Unpublished tabular

Date of Collection: 1971

Date of Publication:

Detail: Includes ongoing research programs in 1971 by Federal and State agencies, universities and colleges. Citations indicate nature of work, location, and principle investigator.

Aggregation: By agency, by type of work, and alphabetically by name of investigator.

Quality:

Timeliness: Most studies have been terminated.

Sources: WGNHS, DOT, USGS, USDA, UW System, other universities and colleges.

Textual Description: The List of Geologic Work Being Done in Wisconsin, compiled by M.E. Ostrom, WGNHS, includes over 150 citations of ongoing or recently completed geologic studies in Wisconsin, as of 1971. Each citation includes the agency or institution, principle investigator, and a general description where appropriate.

Contact for Purchase:

Contact for Information:

Wisconsin Geological Natural
History Survey
1815 University Avenue
Madison, Wis. 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Earth Related Resources

Data type: Published mapped and tabular

Date of Collection: 1778 - 1968

Date of Publication: 1971

Detail: Bibliographic citations give author, date, title, and descriptive information on the citation.

Aggregation: Open file report, available for purchase. Listings are arranged alphabetically.

Quality: One of the most thorough compilations of Precambrian geology available.

Timeliness:

Sources: WGNHS and USGS. Compiled by C. E. Dutton and Reta E. Bradley.

Textual Description: The document, Bibliography of Precambrian Geology of Wisconsin, 1778-1968 was compiled in preparation for the Lithologic Geophysical and Mineral Commodity Maps of Precambrian Rocks in Wisconsin (USGS Misc. Map Invest. I-631). There are 28 pages of listings in the document. It includes many citations published outside of Wisconsin.

Contact for Purchase:

-or-

Contact for Information:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Earth Related ResourcesData type: Published map and tabularDate of Collection: 1883 - 1971Date of Publication: 1973

Detail: Index map scale is 1:1,000,000. All geologic maps included in the index are at scales larger than 1:1,000,000.

Aggregation: The map index is a single sheet including a state base map and bibliography with 60 entries. Each map citation in the index is delineated on the base map, and the bibliography includes information on map scale, date, author and title.

Quality: The map index includes almost all published geological maps until 1971. The sixty entries are listed chronologically by date of publication. No unpublished maps are included.

Timeliness: The most complete geologic map index in Wisconsin, although it does not include maps compiled after 1971.

Sources: USGS, WGNHS, UW System, and professional society publications.

The map index was compiled by Willard L. McIntosh and Margaret F. Eister of USGS.

Textual Description: All geologic maps included in this index are compiled at scales larger than 1:1,000,000. Areal boundaries for each map are delineated on the index map in various line thicknesses, depending on the map scale.

Publications by USGS or WGNHS which are included in the index are available from the agencies or from major public and university libraries. Publications not published by WGNHS and USGS should be requested directly from the specified publisher. The map index is available from USGS or WGNHS.

Contact for Purchase:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
or
Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Contact for Information:

Wisconsin Geological and
Natural History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

4.3.5

ANNOTATED BIBLIOGRAPHY OF GEOLOGICAL, HYDROLOGIC, SOILS,
AND CLIMATOLOGIC INFORMATION FOR WISCONSIN'S GREAT
LAKES COASTAL ZONE COUNTIES

4.3.5

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Earth Related Resources

Data type: Unpublished tabular

Ashland

Bayfield
Brown

Date of Collection: 1848 - 1975

Date of Publication: 1975

Detail: Includes 459 citations (228 geology, 121 hydrology, 52 soils,
25 climatology, 33 supplemental), along with annotations.

Door
Douglas

Aggregation: Covers studies pertaining to 15 Great Lakes coastal counties.
Citations are organized by subject (geology, soils, etc.) and listed
alphabetically by author.

Quality:

Iron

Timeliness: Up to date. Bibliography will be combined with other
bibliographies in the future.

Kenosha
Kewaunee

Sources: Federal agencies (USGS, USDA, etc.), State agencies (UW, DNR,
WGNHS, etc.), universities and colleges.

Manitowoc

Marinette

Textual Description: This bibliography was compiled by WGNHS in cooperation
with other agencies as part of the Wisconsin Coastal Zone Management
Development Program. It is intended primarily for use by persons and
groups involved with coastal zone management problems. The complete
bibliography contains 459 citations, although many are composed of a
series of monthly or yearly publications under the same title.
Published as well as unpublished information is included. Copies of
the bibliography are available in limited distribution.

Milwaukee

Oconto

Ozaukee

Racine

Sheboygan

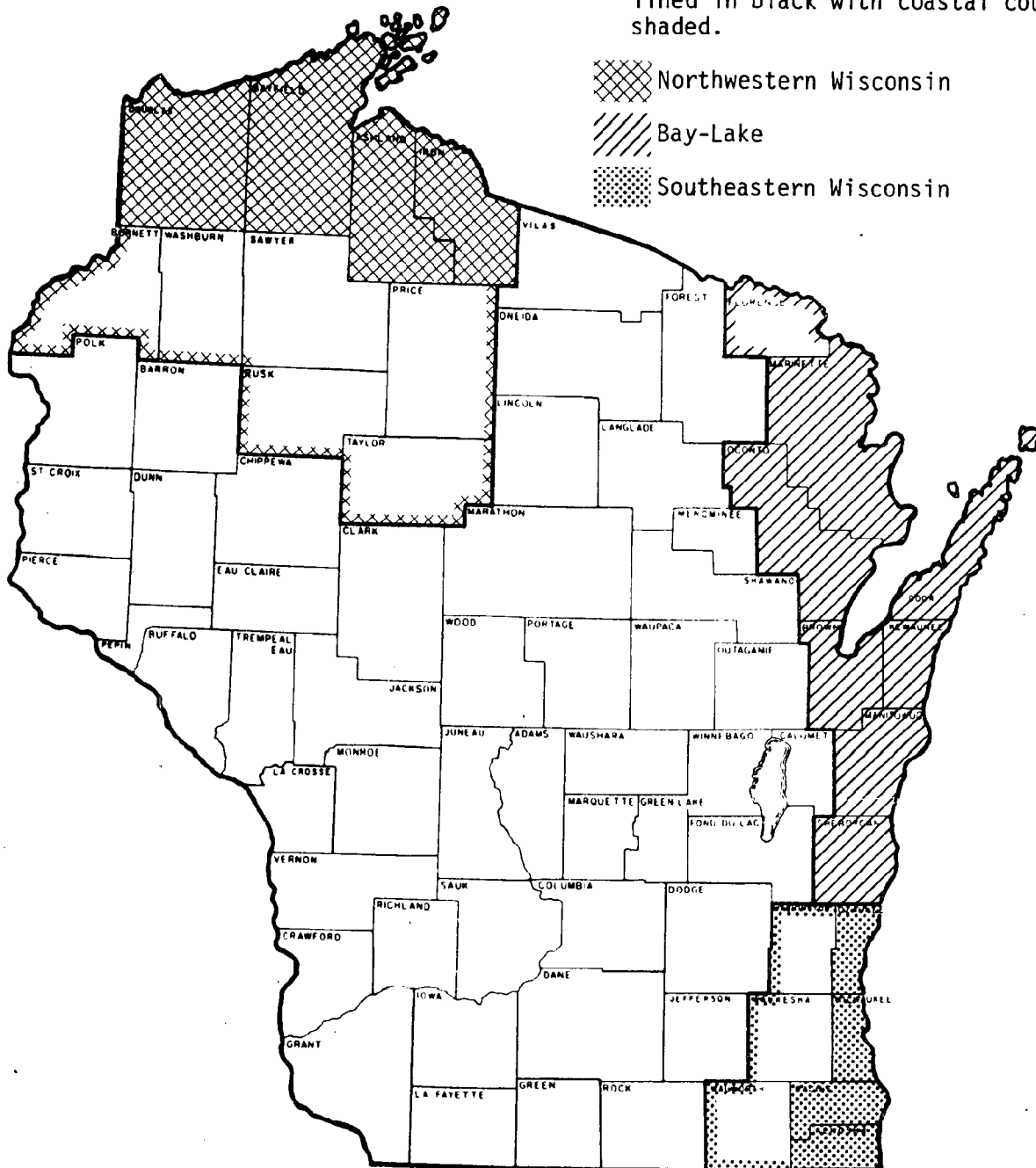
Contact for Purchase:

Contact for Information:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wis. 53706
(608) 262-1705

WISCONSIN'S COASTAL ZONE

Regional Planning Commissions participating in Wisconsin's Coastal Zone Management Development Program - outlined in black with coastal counties shaded.



WISCONSIN	State Planning Office
	Department Of Administration

AIR RELATED RESOURCES

**CLIMATE
AIR QUALITY
INFORMATION SERVICES
AND BIBLIOGRAPHY**

	Item Number
AIR RELATED RESOURCES	Section.Subsection.Item
CLIMATE	5.1
State Climatological Records	5.1.1
AIR QUALITY	5.2
DNR Air Quality Monitoring Data	5.2.1
DNR Air Emissions Inventory and Monitoring Program	5.2.2
INFORMATION SERVICES AND BIBLIOGRAPHIES	5.3
State Climatologist's Office	5.3.1

COUNTY COVERAGE:		CLIMATE		AIR QUALITY	
		State Climatic Data Records		DNR Air Quality Monitoring Data DNR Air Emissions Inventory and Monitoring Program	
COMPLETE					
PARTIAL					
Adams					
Ashland					
Barron					
Bayfield					
Brown					
Buffalo					
Burnett					
Calumet					
Chippewa					
Clark					
Columbia					
Crawford					
Dane					
Dodge					
Douglas					
Dunn					
Eau Claire					
Finland					
Fond du Lac					
Forest					
Grant					
Green					
Green Lake					
Iowa					
Iron					
Jackson					
Jefferson					
Juneau					
Kenosha					
Kewaunee					
La Crosse					
Lafayette					
Lanigan					
Lincoln					
Manitowish					
Marathon					
Marquette					
Menominee					
Milwaukee					
Monroe					
Oconto					
Oneida					
Outagamie					
Ozaukee					
Pepin					
Pierce					
Polk					
Portage					
Price					
Racine					
Richland					
Rock					
Rusk					
St. Croix					
Sauk					
Sawyer					
Shawano					
Sheboygan					
Taylor					
Traverse					
Vernon					
Vilas					
Walworth					
Washburn					
Washington					
Waukesha					
Waupaca					
Waushara					
Winnebago					
Wood					

AIR RELATED RESOURCES

Subsection: CLIMATESection: Air Related ResourcesData type: Published tabular and mapped.

Date of Collection: Daily at approximately 200 reporting stations, hourly at National Weather Service (NWS) stations.

Date of Publication: State climatological data reported monthly (6 week delay). NWS station data are reported one month after collection.

Detail: Data for 200 reporting stations, including temperature, precipitation, snowfall and thickness, wind speed and direction, sunshine, weather type, and dew point. "Snow and Frost Wisconsin" and "Wisconsin Weather" contain maps at 1:6,336,000 or 1:7,104,000 scale.

Aggregation: Reporting stations distributed throughout the State (see map). NWS stations at major cities (Madison, Milwaukee, Green Bay, LaCrosse).

Quality: Network has good statewide distribution, especially for temperature and precipitation data.

Timeliness: Current data. Historical data is also available.

Sources: U.S. Dept. of Commerce, National Oceanic and Atmospheric Association, Environmental Data Service, individual reporters at reporting stations.

Textual Description: The climatological data collected throughout the State include the following parameters: minimum and maximum temperature, daily precipitation, and daily snowfall and snow thickness on the ground. The National Weather Service compiles this data and produces monthly summaries for each station. The NWS stations in the major cities collect hourly data on temperature, precipitation, wind speed and direction, sunshine, weather type, and dew point. The Federal Aviation Administration collects temperature, wind direction and speed, and humidity data at some airports in the State. Most of this information is summarized in monthly and annual reports.

Contact for Purchase:

U.S. Dept. of Commerce
National Oceanic and Atmospheric
Association
Environmental Data Service
National Climatic Center
Asheville, North Carolina

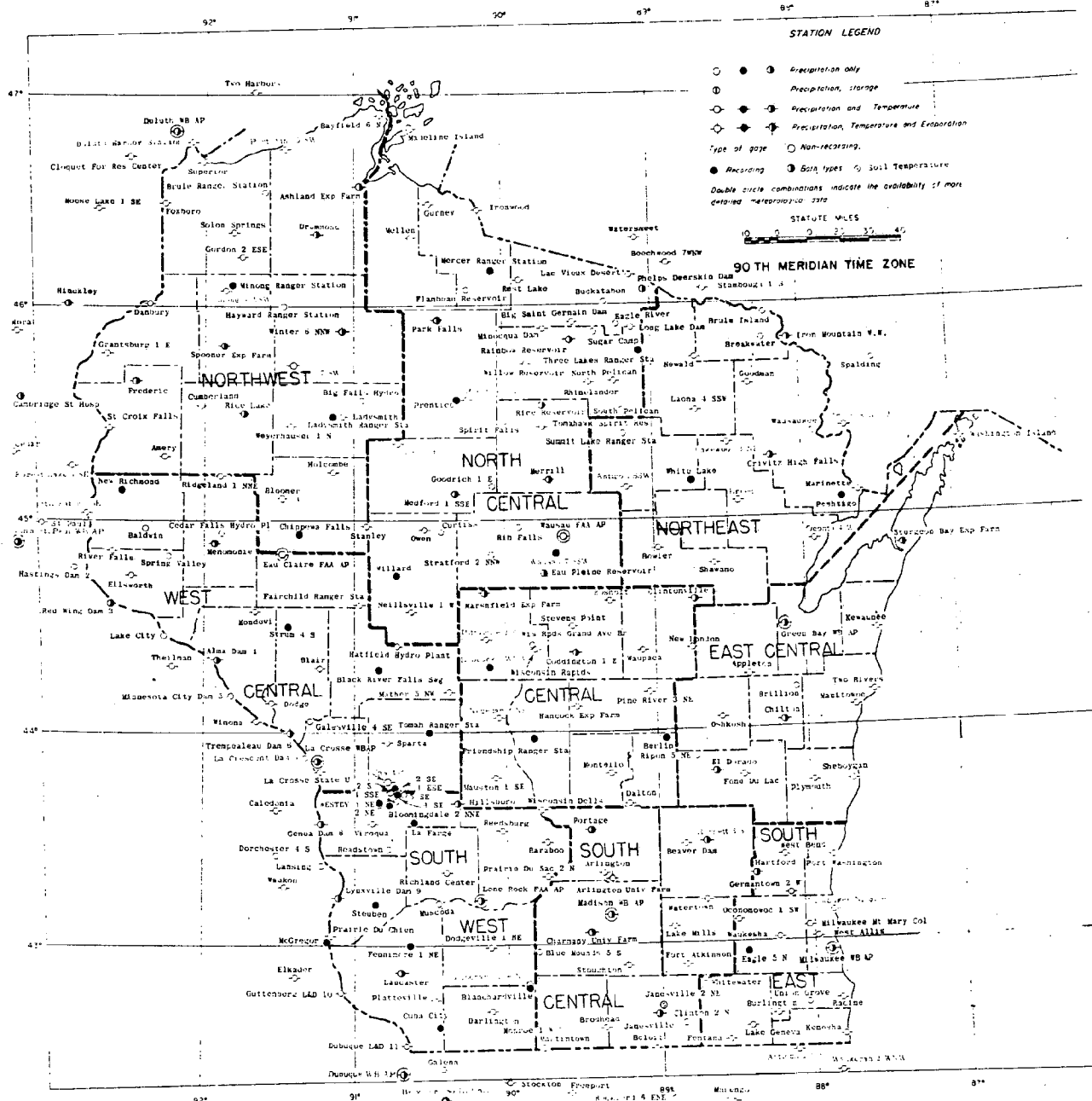
Contact for Information:

State Climatologist
1225 West Dayton Street
Madison, Wisconsin 53706
(608) 263-2374

STATEWIDE

Adams
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REPORTING STATIONS - NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Subsection: AIR QUALITYSection: Air Related ResourcesData type: Published and unpublished tabularDate of Collection: 1957 - present. Statewide monitoring program active from 1968 - present.Date of Publication: Reports published four times a year. Current data are on computer files.Detail: 9 continuous monitoring stations (Southeastern Wisconsin), 75 periodic monitoring stations (throughout the State), 3 mobile vans with continuous monitoring. Over 50,000 records are generated each year.Aggregation: Site specific data collected throughout the State, organized into Air Quality Control Regions (see map). Continuous sampling data is stored on magnetic tape and automatically processed. Periodic sampling data is manually processed. Published reports give statistical summaries.Quality: Various sources and reporters of data may cause some variability. All reporters use standardized instrumentation and techniques.Timeliness: Ongoing collection and reporting program.Sources: DNR staff, counties, cities, universities, private individuals throughout the State.

Textual Description: The DNR Air Pollution Control Section maintains a comprehensive air pollution control program under the provisions of Chapter 144 of the Wisconsin Statutes. The network of over 83 monitoring stations includes most of the major cities. This site specific data can be analyzed for trends and for determining regional air quality conditions. Data is collected for the following parameters: sulfur dioxide, nitrogen dioxide suspended particulates, carbon monoxide, photochemical oxidants (ozone), non-methane hydrocarbons, and metals (in suspended particulates).

Of the 50,000 records collected each year, 20,000 are 24-hour averages and 30,000 are hourly averages. Some basic meteorological data (wind, temperature, humidity, haze) are also collected. Individual stations may only collect data on one or two parameters. Data is sent to DNR where it is filed and tabulated for inclusion in the quarterly report, "Air Quality Data Report". This report presents statistical summaries of the data, organized by region, county, city, location, and individual pollutant.

Contact for Purchase:Contact for Information:

Division of Environmental
Standards
Air Pollution Control Section
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-7038

STATEWIDE

Adams
Ashland
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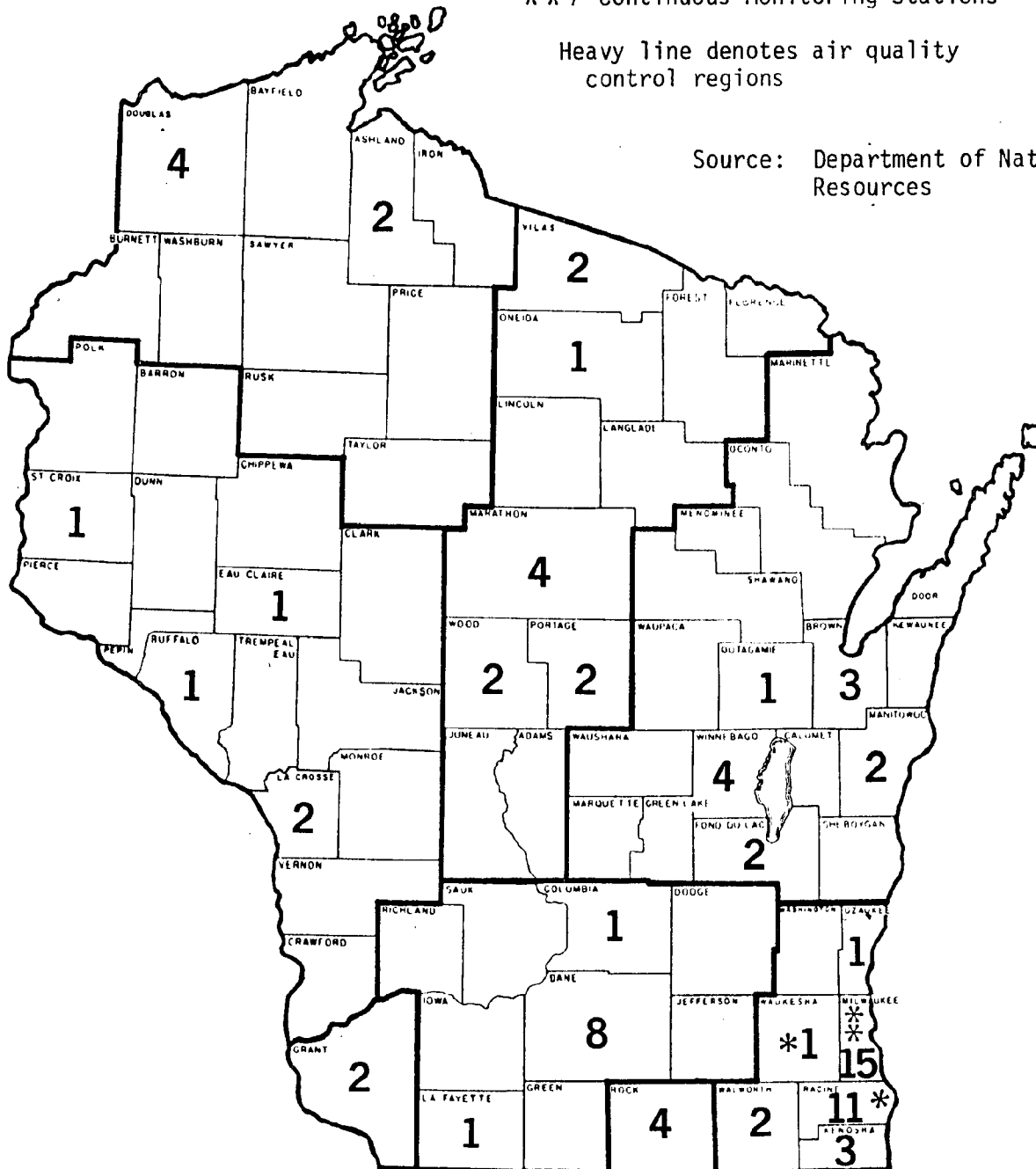
NUMBER OF AIR POLLUTION MONITORING STATIONS, BY COUNTY (6/74)

LEGEND

*1 Continuous Monitoring Station
 **7 Continuous Monitoring Stations

Heavy line denotes air quality control regions

Source: Department of Natural Resources



WISCONSIN State Planning Office
 Department Of Administration

Subsection: AIR QUALITY
Section: Air Related Resources
Data type: Unpublished tabular

Date of Collection: 1971 - present; data submitted by individual firms at the end of each calendar year.
Date of Publication: Current files.

Detail: Detailed information on over 800 facilities which emit significant amounts of air contaminants.

Aggregation: Statewide coverage of most facilities which exceed threshold levels of air pollution. Data is filed by county. Recent data is stored on computer files and are retrievable in a variety of ways.

Quality: Facilities emitting lesser amounts of air pollution are not monitored under this program. Submitted information is validated by DNR engineering staff via checks of facility purchase orders and computer programs.

Timeliness: Lag time of 5-6 months between submittal of data by firms and capability for retrieval by DNR staff.

Sources: Individual firms, DNR staff.

Textual Description: The DNR Air Pollution Control Section maintains an air emissions inventory and monitoring program under the provisions of NR101 and NR 154 of the Natural Resources Administrative Code. Facilities covered by this program include industries, State agencies, and municipalities which operate process equipment, incinerators, boilers, etc. At the end of each calendar year, firms submit the following types of information: general identification information (type of facility, types of stacks, types of emissions, etc.), fuel consumption, type of fuel, type of collector, collector efficiency, volume of gas released, method of disposal of collected material, etc. Specialized information is also acquired for facilities which release toxic substances. Eventually all facilities which emit more than 10 tons per year of a primary air contaminant will be monitored.

Contact for Purchase:

Contact for Information:

Air Pollution Control Section
Division of Environmental
Standards
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-7038

STATEWIDE

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Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Air Related Resources

Data type: Published and unpublished tabular

Date of Collection: 1850's - present

Date of Publication:

Detail: Data is acquired for 150-200 weather stations (all actively reporting stations in the State). The Office maintains an almost complete file of all climatological data collected for Wisconsin.

Aggregation: Statewide coverage of all stations in Wisconsin.

Quality: The most complete collection and best information source for weather and climate related information.

Timeliness: Ongoing collection. New reporting station data are received monthly.

Sources: NOAA (National Weather Service, Environmental Data Service), Federal Aviation Administration.

Textual Description: The State Climatologist's Office serves the general public and government agencies in maintaining data and information on all aspects of weather and climate in Wisconsin. Weather data are received regularly from 4 first order National Weather Service stations, 3 Federal Aviation Administration stations, a few airline companies, and 150-200 cooperative stations throughout the State. Data are available for most stations throughout their entire operating period.

The State Climatologist also provides a consulting service for any problem relating to weather or climate. A forthcoming publication, "Wisconsin Weather", will include weather maps and summary information for the entire State.

Contact for Purchase:

Contact for Information:

State Climatologist
1225 West Dayton Street
Madison, Wisconsin 53706
(608) 263-2374

STATEWIDE

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WATER RELATED RESOURCES

**SURFACE WATER QUANTITY
SURFACE WATER QUALITY
GROUNDWATER QUANTITY
GROUNDWATER QUALITY
WATER USE
INFORMATION SERVICES
AND BIBLIOGRAPHIES**

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USGS Hydrologic Atlases of Wisconsin Basins	6.1.3
USDA-SCS Hydrologic Data	6.1.4
USDA Type IV River Basin Studies	6.1.5
USDA-SCS Watershed Protection and Flood Prevention Program	6.1.6
USGS Flood-Prone Area Maps	6.1.7
USGS Flood Frequency Studies	6.1.8
Flood Plain Studies	6.1.9
Land Resources Analysis Program: Major Areas of Potential Flood Hazard & Steep Slope	6.1.10
Coast Charts and General Charts	6.1.11
Harbor and Recreation-Craft Charts	6.1.12
Upper Mississippi River Navigation Charts	6.1.13
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GROUND WATER QUALITY	6.4
USGS Ground Water Quality Monitoring Data	6.4.1
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Item Number
Section.Subsection.Item

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6.5

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National Water Data Storage and Retrieval System	6.6.3
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Bibliography and Index of Wisconsin Ground Water 1851-1972	6.6.6
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Dane County Water Data Index	6.6.8

COUNTY COVERAGE :

 COMPLETE
 PARTIAL

SURFACE WATER QUANTITY

	USGS Surface Water Supply Monitoring Data	USGS Low Flow Frequency Studies	USGS Hydrologic Atlas of Wisconsin Basins	USDA SCS Hydrologic Data	USDA SCS River Basin Studies	USDA SCS Watershed Protection and Flood Prevention Program	USGS Flood Prevention Program	USGS Flood Frequency Studies	Land Use Planning Studies	Coast Guard Major Area of Potential Flood Hazard & Storm Surge	Coast Charts and General Charts	Upper Mississippi River Navigation Charts	Upper Mississippi River Craft Charts	DNR County Surface Water Resource Reports	Inland Lake Survey Maps	Wisconsin Lakes	DNR Lake Use Reports	SEWPPC Water Level Monitoring	Project Sampling Drainage Plans	Orange Area Data for Wisconsin Streams
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WATER RELATED RESOURCES

COUNTY COVERAGE :		SURFACE WATER QUALITY										GROUND WATER QUANTITY		GROUND WATER QUALITY		WATER USE				
		USGS Surface Water Quality Monitoring Data	USGS Stream Sediment Monitoring Data	DNR Surface Water Quality Monitoring Data	Water Quality Investigation Surveys	DNR Lake Water Quality Monitoring	Classification of Wisconsin Lakes by Trophic Condition	USDA Forest Service Wisconsin's Lake Superior Water Quality Data	USGS Lake Superior Northeastern Wisconsin Monitoring Data	USGS Ground Water Levels Monitoring Data	USGS Hydrogeologic Investigations	USGS Ground Water Quality Monitoring Data	USDA Forest Service Ground Water Quality Data	DNR Industrial Wastewater Monitoring Program	DNR Industrial Wastewater Permit Program	Municipal and Private Water Monitoring and Permits	Private Ground Water Supply Data	DNR Navigable Waters and Permits	Federal Power Commission Application for Hydroelectric Licensing	Green Bay Region Water and Land Use Map
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WATER RELATED RESOURCES

WATER RELATED RESOURCES

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published and Unpublished Tabular

Date of Collection: 1913 - present. Collected continuously or periodically during each Water Year (Oct. 1 - Sept. 30).

Date of Publication: Yearly. Approximately 1 year lag between collection and publication.

Detail: Continuous or periodic monitoring at 104 streamflow-gaging stations, 304 low-flow partial-record stations, 133 crest stage partial-record stations, 615 low-flow investigation and wastewater outfall sites, 13 lake-stage stations, and 29 reservoir-content stations.

Aggregation: Statewide, Published data and data filing system is aggregated by drainage areas, and by individual sampling stations in the downstream direction.

Quality: Accuracy of stream flow data is indicated for each station in the publication.

Timeliness: Updated yearly (each Water Year); more recent information stored on computer files.

Sources: USGS, DNR, WGNHS, SEWRPC, FPC, U.S. Army Corps of Engineers

Textual Description: Surface water records are published in Part 1 of Water Resources Data for Wisconsin, Parts 1 and 2, an annual series published by USGS. Data in the publication is organized by drainage areas and by station locations within each area, with upstream stations listed first. Information for each station includes the identification number for the station, station name, location, drainage area, period of record, average stream discharge, extreme discharge, etc. The actual discharge or gage height data is then given along with the dates of collection. Peak annual discharge information is usually given, along with monthly mean, maximum and minimum levels.

The most recent publication (1974) and data collected subsequent to publication are available from the USGS Water Resources Division. There may be a cost associated with retrieving more recent information from computer files.

Contact for Purchase:

-or-

Contact for Information:

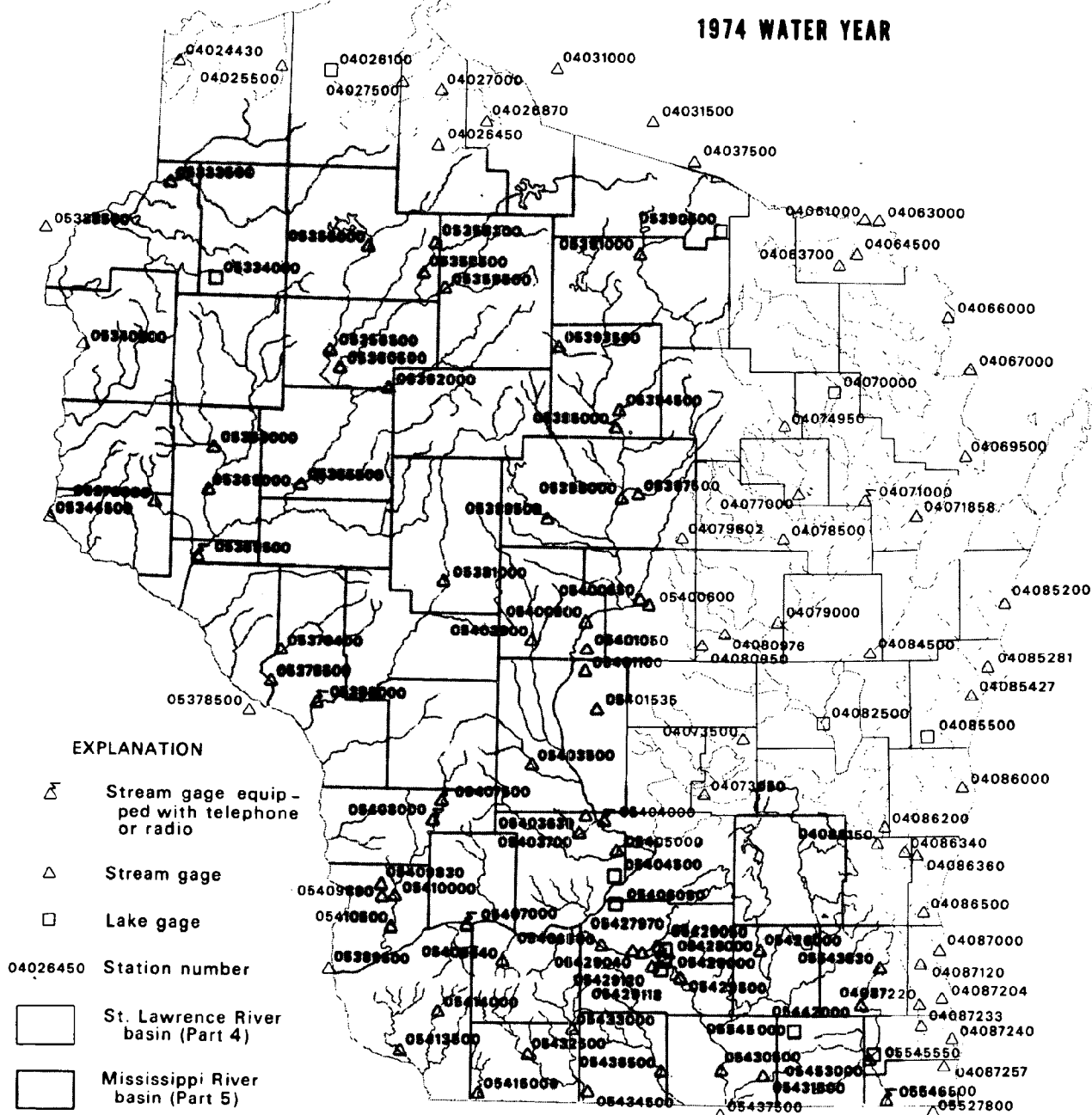
U.S. Geological Survey
Water Resources Division
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

STATEWIDE

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LAKE AND STREAM-GAGING STATIONS IN WISCONSIN

1974 WATER YEAR



Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published and unpublished tabular

Date of Collection: 1961 - present

Date of Publication: 1971, 1974, current files

Detail: Approximately 670 sites throughout the state used for low flow frequency studies (includes continuous stream flow gaging stations, partial-record stations, and special low flow stations).

Aggregation: By drainage basin and by individual site. Sites are distributed throughout the state.

Quality: Variable. Sites with partial records may have less reliable estimates of low flow frequency and magnitude. The 1974 report includes an accuracy indicator for each station.

Timeliness: Ongoing program.

Sources: USGS Water Resources Division

Textual Description: The USGS Water Resources Division collects data on the magnitude and frequency of recurrence of low flows of streams. This data is used for allocating water rights, administering water uses, determining the capacity of streams for handling waste loads from sewage treatment plants, etc. A 1971 report, "Low flow frequency of Wisconsin streams", W.A. Gebert, USGS Hyd. Inv. Atlas HA-390, presents analyses of the flow characteristics of 320 streamflow stations throughout the state. The data and station locations are shown on a 1:750,000 scale state map. A 1974 report, Low Flow Characteristics of Wisconsin Streams at Sewage Treatment Plants, W.A. Gebert and B.K. Holmstrom, USGS Water Res. Inv. 45-74, presents data and analyses for 415 sites (370 are new ones) which are immediately below or in close proximity to sewage treatment plants. This study was made in cooperation with the DNR. Both reports provide the following information: estimates of the minimum 7-day low flow that occurs on the average of once in 2 years and once in 10 years, drainage area, site location and identification number, and other information.

Contact for Purchase:

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

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LOW-FLOW, PARTIAL-RECORD STATIONS IN WISCONSIN

SEPTEMBER, 1974

**DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY**

EXPLANATION

△ Low-flow, partial-record station

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Δ Low-flow, partial-record station

in cooperation with:
Wisconsin Department of Natural Resources

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published maps and tabular

Date of Collection:

Date of Publication: 1968 - 1975

Detail: Several maps at 1:1,000,000 scale for each drainage area. Maps and summary data depict water related characteristics for specific sites as well as the entire area.

Aggregation: Statewide, broken down into 12 major drainage areas. Atlases with multiple fold-out sheets are or will be published for each area.
See map.

Quality: Most of the maps and summary data is applicable for study of regional characteristics of the basins; more detailed information is available.

Timeliness: More current information from various data collection programs may supercede this data.

Sources: USGS, WGNHS, DNR, State Lab of Hygeine, SCS, PSC, County agents, Federal agencies.

Textual Description: The USGS Water Resources Division compiles and publishes atlases under the Hydrologic Investigations Atlas series, which are titled Water Resources of - Basin, Wisconsin. They describe the distribution, characteristics, and physical environment of the resource, as well as the hydrologic budget, water problems, and water use. Several maps and data are included: topography, geology, soils and surface geology, water budget, ground water availability and potentiometric surface, ground water quality (several parameters), surface water discharge, runoff, flood potential, surface water quality, water use (socio-economics), and various lists of additional references and agencies responsible for related data collection. See the following map for the status of publication of these atlases.

Contact for Purchase:

Wisconsin Geological and Natural
History Survey

1815 University Avenue
Madison, Wisconsin 53706

or

Washington Distribution Section
U.S. Geological Survey
1200 S. Eads Street
Arlington, Va. 22202

Contact for Information:

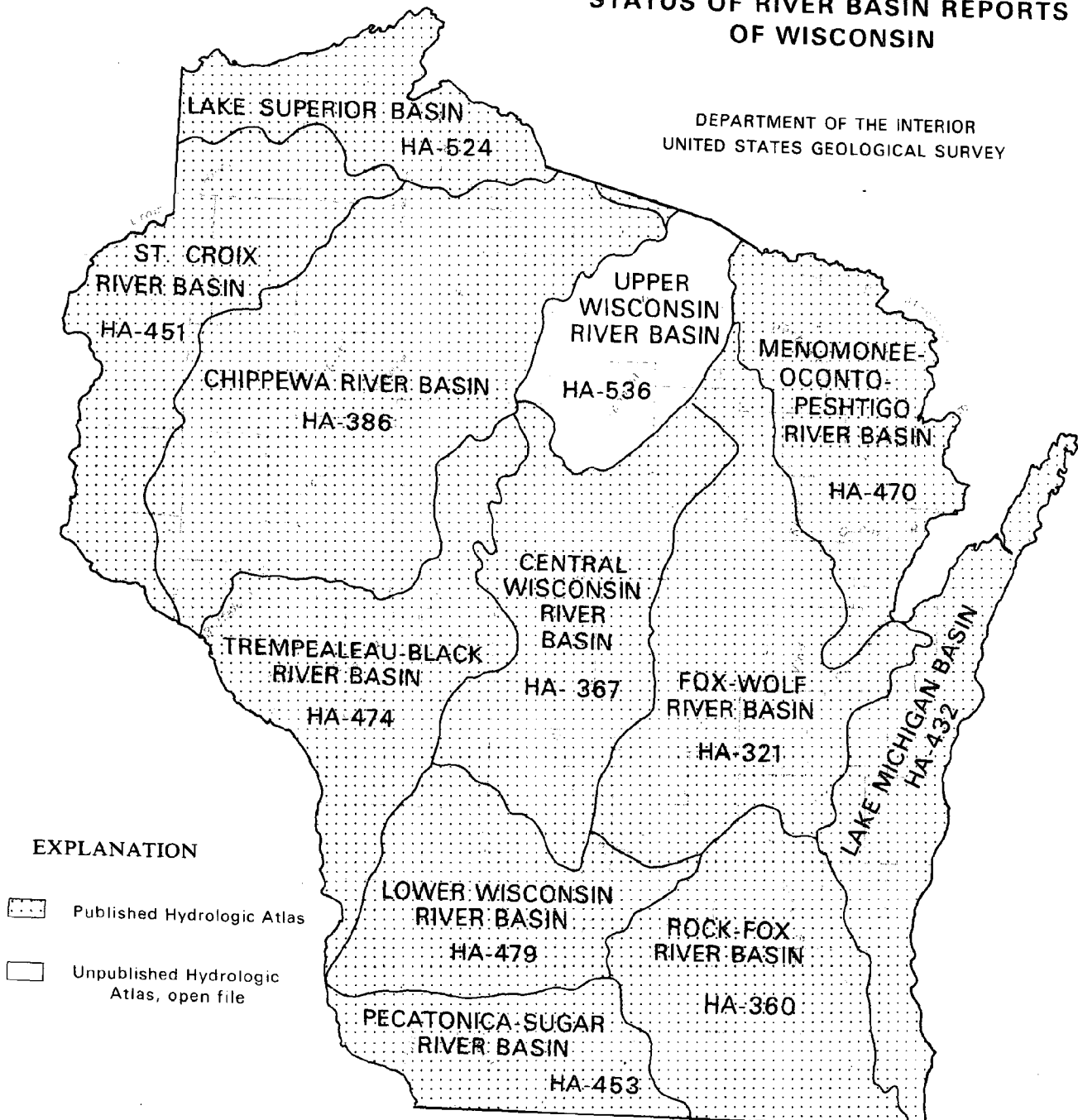
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Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

STATUS OF RIVER BASIN REPORTS OF WISCONSIN

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



in cooperation with
Wisconsin Geological and Natural History Survey

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Unpublished tabular

Date of Collection: Varies by project; ongoing data collection.

Date of Publication:

Detail: Data is collected on hydraulic characteristics of streams, flood hazards, and stream discharge. Some data is synthetically developed for determination of flood hazards, hydrology of unmonitored streams, etc. Some aerial photography and topographic maps are also made.

Aggregation: By individual watershed (approx. 40 watersheds have been studied). Data are collected for Watershed Protection and Flood Prevention projects (P.L. 566 projects) and other USDA-SCS projects. Older data are stored in archives and recent data on computer files.

Quality: Data are collected using highly standardized methodologies. The analyses are made using synthetic stream flow data (developed from the basic data), when gaged data is not available. Statistical reliability is generally good.

Timeliness: Older data may need to be supplemented.

Sources: Field surveys by USDA-SCS staff.

Textual Description: The USDA-SCS River Basin-Watershed Planning Staff collects hydrologic data for various projects throughout the State. These data are used for watershed management, flood protection, and recreation studies. The data collected includes hydraulic data for streams (cross-sections, lengths of stream profiles, discharge-stage relationships, etc.), flood hazard data (storm discharge frequency, areas flooded for each increment in water depth, bridge and other structural dimensions, etc.), and basic stream survey data (drainage areas, crest stages, surface water discharge, etc.). Much of the data is subjected to synthetic analytical techniques, such as statistical correlation with nearby gaged streams or by a procedure based on climatology and geomorphologic parameters, in order to develop useful information, which can be used for management decisions and design of structures. For information on hydrologic data within a specific area contact the District Conservationist.

Contact for Purchase:

Contact for Information:

District Conservationist
or
State Conservationist
USDA-Soil Conservation Service
4601 Hammersely Road
Madison, Wisconsin 53711
(608) 252-5341

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Tabular and mapped (published and unpublished)

Adams

Date of Collection: Ongoing collection for Wisconsin River Basin. Southeast Wisconsin Rivers Basin collected through 1974.

Brown

Date of Publication: 1974 - Southeast Wisconsin Rivers Basin

Calumet

Detail: Published report (Southeast Wisconsin) includes several regional maps of water related, soils, geologic, and climatologic resources at 1:1,250,000 scale. Tabular data and textual material describe soil, crop, and socio-economic characteristics of the region.

Clark
Columbia
Crawford
Dane
Dodge
Door

Aggregation: Southeast Wisconsin region and Wisconsin River Basin (see map). Data and information in the published report (Southeast Wisconsin) are usually collected for each county, and presented for the entire region.

Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa

Quality: Data and information are only suitable for regional analyses.

Jackson
Jefferson
Juneau
Kenosha
Kewaunee

Timeliness: Data and information was collected at the time of project. Southeast Wisconsin study-completed. Wisconsin Rivers Basin study-ongoing data collection and analysis.

Sources: USDA-SCS, Forest Service, and Economic Research Service; Soil and Water Conservation Districts, ECWRPC; BLRPC; DCRPC; Brown County RPC; other Federal, State and regional agencies.

Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee

Textual Description: The USDA is leading a series of multi-agency, cooperative river basin studies of major basins in Wisconsin. One such study, done for the Southeast Wisconsin Rivers Basin (June 1974, USDA, 279 pp.), was completed and another study is underway for the Wisconsin River Basin. The published report for the Southeast Wisconsin study contains regional maps of resource characteristics such as hydrology, precipitation and evaporation, geologic, major soils, ground water provinces, sediment yields, well yields, etc. A variety of tables, figures, and textual material describe the socio-economic and land use related characteristics of the region, identify resource problems, and propose future management considerations. The published report is available in limited distribution. The Wisconsin River Basin study is presently underway, and no data is yet available in published form.

Portage
Price
Racine
Richland
Rock

Sauk

Shawano
Sheboygan
Taylor

Contact for Purchase:

Contact for Information:

State Conservationist
USDA-Soil Conservation Service
4601 Hammersely Road
Madison, Wisconsin 53711
(608) 252-5341

Vernon
Vilas
Walworth

Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published and unpublished tabular

Date of Collection: 1956 - present

Date of Publication: 1963 - present

Detail: Various hydrologic and soils data collected and analyses made, and structural works installed in watersheds throughout the state. Specific programs are in various stages of completion (see map).

Aggregation: By specific watershed. As of Jan. 1975, 56 applications are received, 11 projects are installed, 11 projects are under construction, 6 projects are being planned.

Quality: Data is usually site specific. All data is collected by professional technicians using standardized methodologies.

Timeliness: Varies.

Sources: USDA-SCS State and field staff; local Soil and Water Conservation District; various state and federal agencies.

Textual Description: The USDA Soil Conservation Service administers watershed protection and flood prevention programs for watersheds of less than 250,000 acres as a result of Public Law 566. Local units of government submit applications for projects and USDA-SCS corrects specific problems such as flooding and soil erosion, or improves conditions such as fish habitat and recreational water use.

Some of the data types collected include: flood hazard and hydraulic data (stream cross-sections, stream discharge, sediment load, synthetic hydrologic data), engineering and geologic data (topographic mapping, drill holes, soil analyses, erosion rates), and various economic and cultural data (program benefits and costs, flood damage, regional economic and ownership characteristics).

Data collected for each project is filed at district offices and the state office. Interim and final Watershed Work Plans are published for each project, describing the watershed problems, resource characteristics, and the specific projects being undertaken.

Contact for Purchase:

Contact for Information:

Local Soil and Water
Conservation District
or
State Conservationist
USDA-Soil Conservation Service
4601 Hammersley Road
Madison, Wisconsin
(608) 252-5341

Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge

Dunn
Eau Claire
Florence
Fond du Lac

Grant
Green

Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade

Manitowoc
Marathon

Milwaukee
Monroe
Oconto

Outagamie
Ozaukee
Pepin
Pierce
Polk

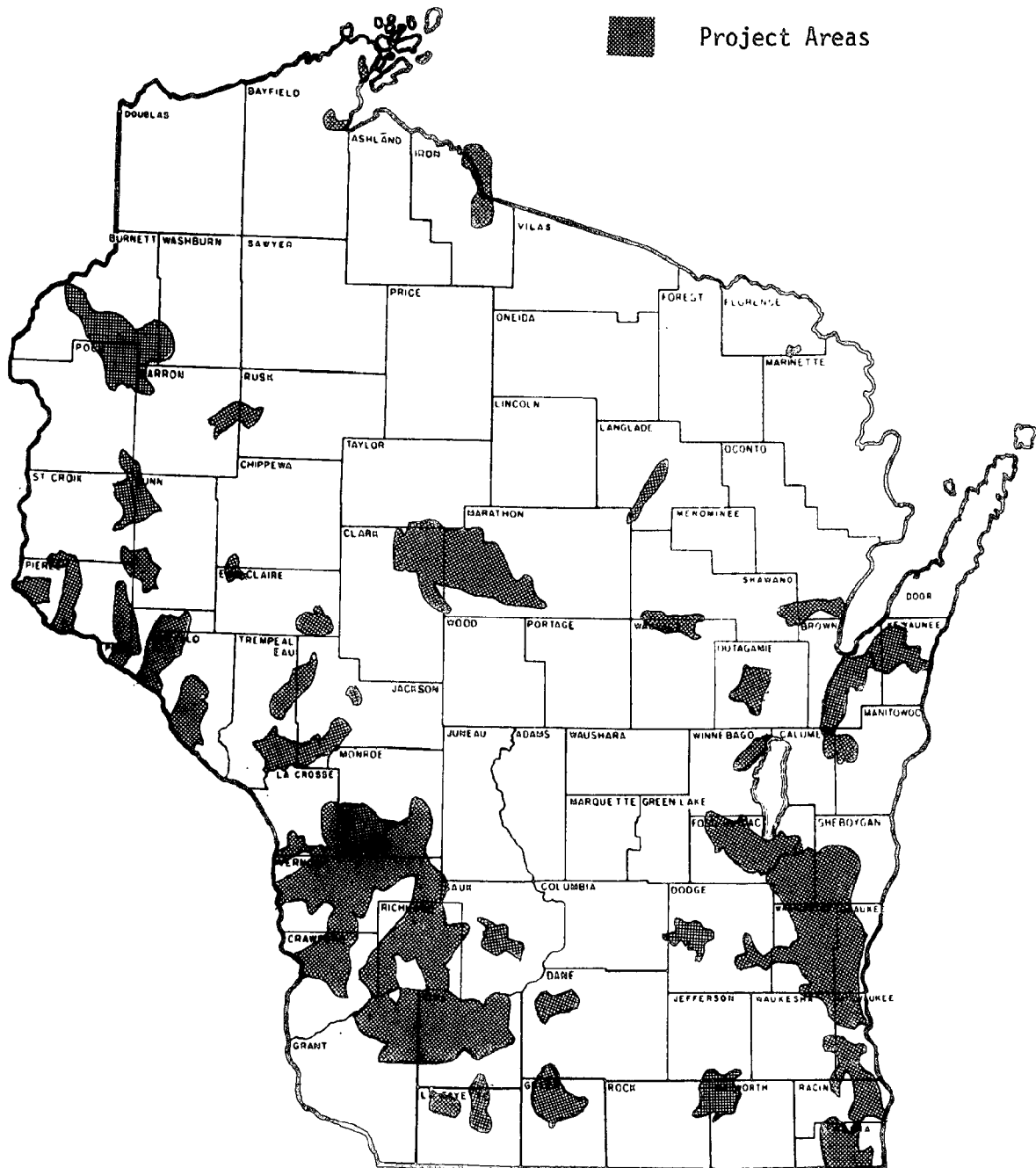
Racine
Richland
Rock
Rusk
St. Croix
Sauk

Shawano
Sheboygan
Taylor
Trempealeau
Vernon

Walworth
Washburn
Washington
Waukesha
Waupaca

Winnebago

USDA-SCS WATERSHED PROTECTION AND FLOOD PREVENTION PROGRAM



WISCONSIN	State Planning Office
	Department of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published Maps

Date of Collection: 1968 to present, varies by quadrangle

Date of Publication: 1969 to present, varies by quadrangle

Detail: Map scales are 1:62,500 for 15 minute quadrangle or 1:24,000 for 7-1/2 minute quadrangle series. See map index.

Aggregation: By USGS Quadrangle (7-1/2 and/or 15 minute). Coverage is not statewide. USGS has key map available to show all maps of flood prone areas. Index available from USGS for no charge. Maps are for sale.

Timeliness Updated when necessary

Sources: USGS, DNR, US Army Corps of Engineers, etc.

Textual Description: The United States Geological Survey publishes a series of maps showing flood prone areas. The maps are based on an analysis of previously conducted studies, regional flood stage-frequency relations and profiles based on high-water marks. Flood areas are identified for (1) urban areas where the upstream drainage basin exceeds 25 square miles, (2) rural areas where the upstream drainage basin exceeds 100 square miles, (3) smaller drainage basins, depending on topography and potential use of the flood plain.

The maps show the approximate boundaries of the area covered by the 100 year flood (area that has a 1% chance, or greater, of being inundated in a given year.) Also shown are the features included on all USGS topographical maps: natural features, topography, roads, municipalities, etc.

Contact for Purchase:

-or-

Contact for Information:

United States Geological Survey
Water Resources Division
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

STATEWIDE

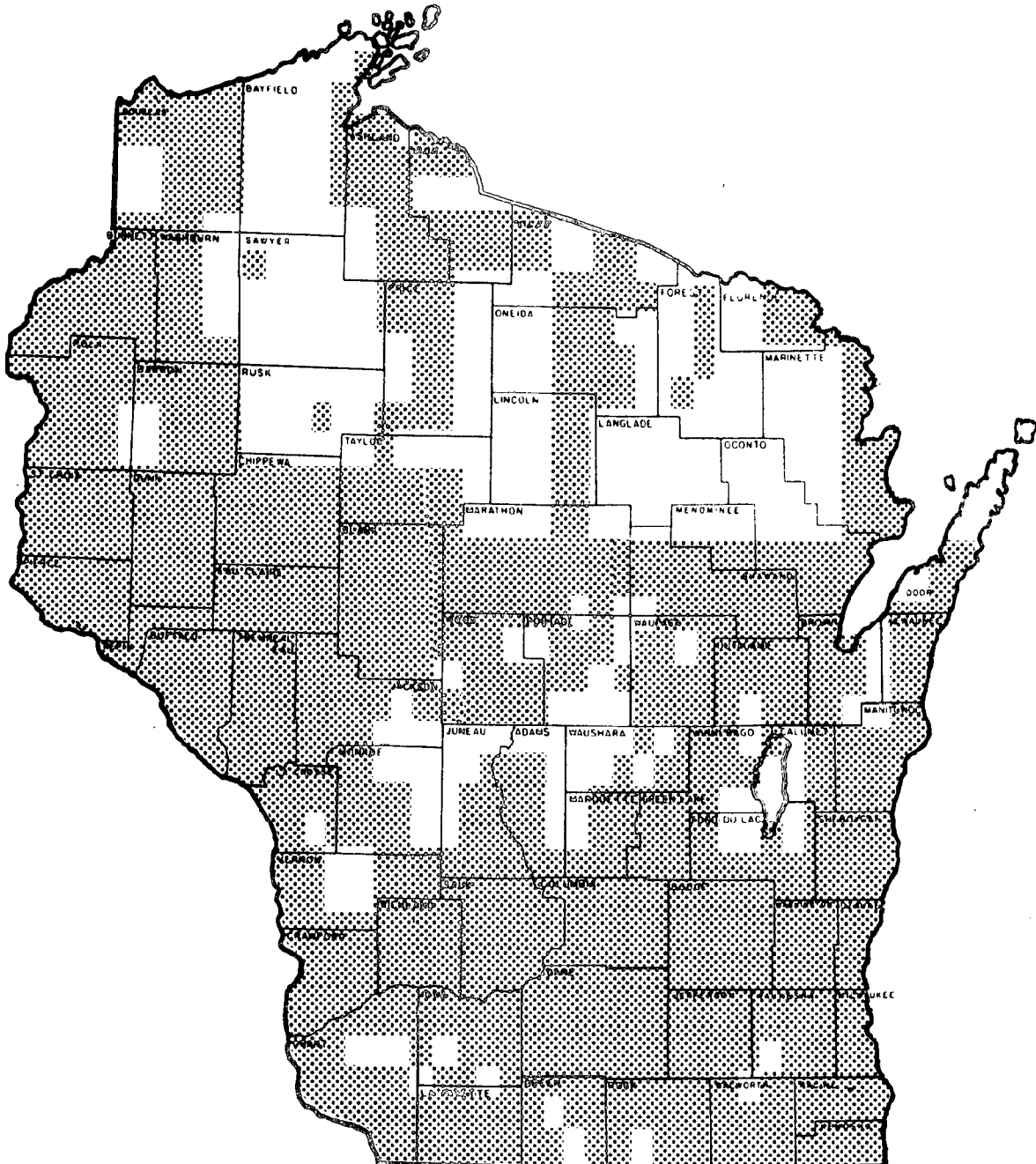
Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette

Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

AVAILABILITY OF USGS FLOOD PRONE AREA MAPS

LEGEND

 Completed as of Jan. 1975



WISCONSIN	State Planning Office Department Of Administration
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Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published and unpublished tabular

Date of Collection: 1959 - present

Date of Publication: 1961, 1971, current files

Detail: Current program includes 73 stream flow gaging stations and 133 crest-stage gaging stations located throughout the state. 1971 publication includes data for a total of 275 stations. Peak stages and discharges are measured and analyzed to determine frequency of floods.

Aggregation: By river basin and by individual gaging stations.

Quality: Excellent. The best available studies of flood magnitude and frequency. Reports include actual data and estimates of flood frequency.

Timeliness: Ongoing program.

Sources: USGS Water Resources Division

Textual Description: The USGS Water Resources Division is in the process of defining flood frequency relationships for all size drainage areas, for flood frequencies up to a 50-year flood. This information is used in developing flood-prone area maps and in establishing criteria for proper design of structures within flood plains.

Two reports have been completed--"Floods in Wisconsin, magnitude and frequency", D.W. Ericson, 1961, USGS Open-file Report, and "Estimating magnitude and frequency of floods in Wisconsin", D.H. Conger, 1971, USGS Open-file Report. The 1971 report includes the following data for 237 gaging stations: station location, drainage area, peak stage (gage height) and discharge for several dates, flood frequency (2-year, 5-year, 10-year, and 25-year floods, and 50- and 100-year flood for larger basins), and general remarks. The report also describes the methods for estimating flood characteristics.

Contact for Purchase:

Contact for Information:

Water Resources Division
 U.S. Geological Survey
 1815 University Avenue
 Madison, Wisconsin 53706
 (608) 262-2488

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published maps and tabular

Adams

Date of Collection: Varies for each project.

Brown
Buffalo

Date of Publication: Varies for each project.

Calumet
Chippewa

Detail: Coverage ranges from short reaches of streams (1-2 miles) to entire watersheds or civil divisions. Map scales and details vary for each project.

Columbia
Crawford
Dane
Dodge

Aggregation: Studies usually cover urbanized sections of river basins. Certain studies may cover complete river basins (see charts).

Dunn
Eau Claire

Quality: Varies; analyses which use spot elevation data from orthophoto quads are more accurate than those using topographic maps. The quality of each study must be judged in light of the needs of the community involved.

Fond du Lac

Timeliness: Updated to reflect major changes in land use or cover.

Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha

Sources: USGS, U.S. Army Corps of Engineers (St. Paul, Chicago and Rock Island Districts), DNR, Minnesota DNR, USDA-SCS, U.S. Dept. of Housing & Urban Development, local officials, private consultants.

La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette

Textual Description: Flood plain studies are undertaken by a variety of governmental agencies and private concerns. The studies contain basic engineering data collected by field surveying, such as high water profiles, topography, elevation, etc. Also included are cross sections of streams. The Army Corps of Engineers' reports contain data on representative cross sections while the studies commissioned by HUD include data for all cross sections analyzed. Maps showing standard project floods and intermediate regional floods, cross section numbers, and mileages from river mouths are usually included. This delineation may be on air photos or topographic maps, depending on the desires of the community. Textual descriptions are contained in reports documenting the frequency and history of past floods, definitions, etc. The Department of Natural Resources coordinates all studies for the state.

Milwaukee

Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
PortageRacine
Richland
Rock
Rusk
St. Croix
Sauk

Contact for Purchase:

Contact for Information:

DNR District Offices
 OR
 Flood Plain and Shoreline
 Management Section
 Department of Natural Resources
 Box 7921
 Madison, Wisconsin 53707
 (608) 262-8030

Shawano
SheboyganTrempealeau
VernonWalworth
Washington
Waukesha
WaupacaWinnebago
Wood

Revised 1976

FLOOD PLAIN STUDIES

<u>County</u>	<u>Study</u>	<u>Stream</u>	<u>Data Available</u>	<u>Communities Included</u>
Adams	1. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	
Brown	1. Howard	Duck Creek	Profile & Map	Howard
	2. City of Green Bay, Brown County	East River	Profile & Map	Green Bay
		Baird Creek		
		Bower Creek		
	3. High Water Profiles Fox River	Fox River	Historic Profile & Map	De Pere
	4. Brown County Flood Insurance Study	Branch River	Profile & Map	All unincorporated communities
		Neshota River		
		Fox River		
		East River		
		Dutchman Creek		
		Ashwaubenon Creek		
		Plum Creek, Duck Creek, Trout Creek, Suamico River		
Buffalo	1. Mississippi River Regional Flood Analysis	Mississippi River	Profile & Map	Buffalo, Alma
	2. Mississippi River Floodway Study	Mississippi River		Cochrane, Fountain City
	3. Chippewa River	Chippewa River	Historic Profile	
Calumet	1. Spring Creek	Spring Creek	Profile & Map	Brillion
Chippewa	1. Chippewa Falls	Chippewa River	Profile & Map published in report	Chippewa Falls
		Duncan Creek		
	2. Chippewa Falls High Water Profiles	Yellow River	Historic Profile	
		Chippewa River		
Columbia	1. High Water Profiles Fox River	Fox River	Historic Profile	
	2. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	Wisconsin Dells
	3. City of Portage	Wisconsin River	Profile & Map	Portage
	4. Wisconsin River, Sauk County	Duck River		
		Wisconsin River	Profile & Map	
Crawford	1. High Water Profile	Kickapoo River	Historic Profile & Maps	Soldiers Grove
				Wauzeka, Steuben
				Bell Center
				Gays Mills
				Prairie du Chien
				Lynxville, Ferryville
				Wauzeka
	2. Mississippi River Regional Flood Analysis	Mississippi River	Profile & Map	
	3. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	
Dane	1. Token Creek	Token Creek	Profile & Map	
	2. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	
	3. Yahara River	Yahara River	Profile & Map	All communities in Watershed
	4. Black Earth Creek	Black Earth Creek	Profile & Map	Mazomanie, Cross Plains, Black Earth
	5. Nine Springs Creek	Nine Springs Creek	Profile & Map	
	6. Pheasant Branch Creek	Pheasant Branch Creek	Profile & Map	Middleton
	7. Six Mile Creek	Six Mile Creek	Profile & Map	Waunakee
	8. Koshkonong Creek	Koshkonong Creek	Profile & Map	Cambridge, Rockdale
	9. Sugar River	Sugar River	Profile & Map	Belleville
	10. Maunasha River	Maunasha River	Profile & Map	Marshall
	11. Badger Mill Creek	Badger Mill Creek	Profile & Map	Verona
	12. Wisconsin River	Wisconsin River	Profile & Map	
Dodge	1. City of Waupun	Rock River	Profile & Map	Waupun
	2. City of Beaver Dam	Beaver Dam River	Profile & Map	Beaver Dam
Dunn	1. Red Cedar River	Red Cedar River	Historic Profile	
Eau Claire	1. City of Eau Claire	Chippewa River	Profile & Map	Eau Claire
	2. City of Eau Claire, Chippewa County	Chippewa River, Duncan River, Loves Creek, Otter Creek, Eau Claire River	Profile & Map	Eau Claire
Fond du Lac	1. Fond du Lac	Fond du Lac River (E&W branch), Deheveu Creek	Profile & Map	Fond du Lac
	2. Milwaukee River Watershed	Milwaukee River	Profile & Map	Campbellsport
	3. City of Ripon	Silver Creek	Profile & Map	Ripon
Grant	1. Mississippi River Regional Flood Analysis	Mississippi River	Profile	
	2. Mississippi River Floodway Study	Mississippi River	Profile	
	3. City of Cassville	Mississippi River & tributaries	Profile & Map	Cassville
	4. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	Blue River, Boacobel, Woodman, Muscoda
Green	1. Kecatonica River Highwater Profiles	Kecatonica River	Historic Profile	
	2. Sugar River Highwater Profile	Sugar River	Historic Profile	
Green Lake	1. High Water Profiles Fox River	Fox River	Historic Profile & Map	Berlin
Iowa	1. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile	Arena, Avoca
	2. Wisconsin River Profile, Arena to Lone Rock	Wisconsin River	Profile	Arena
Iron	1. Montreal River, City of Hurley	Montreal River	Profile	Hurley
Jackson	1. City of Black River Falls	Black River	Profile & Map	Black River Falls
Jefferson	1. Jefferson County and Cities Within	Rock River, Lake Koshkonong	Profile & Map	Fort Atkinson, Jefferson, Watertown
Juneau	1. Baraboo River	Baraboo River	Profile	Woneewoc
	2. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	
	3. Lemonweir River	Lemonweir River	Profile & Map	Mauston, New Lisbon
Kenosha	1. Kenosha County	Des Plaines River	Profile & Map	
	2. SEMRPC Report Fox River Watershed	Fox River	Profile & Map	Silver Lake
LaCrosse	1. Mississippi River Regional Flood Analysis	Mississippi River	Profile & Map	Onalaska
	2. City of LaCrosse	Mississippi River	Profile & Map	LaCrosse
		LaCrosse River, Black River		
	3. Mississippi River Floodway Study	Mississippi River	Profile & Map	Onalaska

FLOOD PLAIN STUDIES

<u>County</u>	<u>Study</u>	<u>Stream</u>	<u>Data Available</u>	<u>Communities Included</u>
Lafayette	1. Pecatonica River Highwater Profiles 2. Belmont	Pecatonica River Koner Branch Pecatonica River	Historic Profile Profile & Map	Darlington Belmont
Langlade	1. Spring Brook 2. Wolf River Flood Plain Information Report	Spring Brook Wolf River	Profile & Map Profile & Map	Antigo
Lincoln	1. Wisconsin River Regional Flood Analysis 2. Merrill Flood Plain Information Report	Wisconsin River Wis. River, Prairie River	Profile Profile & Map	Tomahawk Merrill
Manitowoc	1. Manitowoc County Flood Information 2. Village of Mishicot 3. City of Two Rivers 4. City of Manitowoc	East Twin River, West Twin River, Silver Creek, Little Manitowoc River East Twin River East Twin River, West Twin River Manitowoc	Profile & Map Profile & Map Profile & Map Profile & Map	 Mishicot Two Rivers Manitowoc
Marathon	1. Wisconsin River Regional Flood Analysis 2. Flood Plain and Floodway Delineation for Regional Flood in Central Marathon County 3. Bull Junior Creek	Wisconsin River Wisconsin River Bull Junior Creek	Profile & Map Profile & Map Historic Profile & Map	Brokaw, Mosinee Rothschild, Schofield, Wausau
Marinette	1. Niagara 2. Menominee River	Menominee River Menominee River	Profile & Map Profile & Map	Niagara
Marquette	1. Highwater Profiles Fox River	Fox River	Historic Profile & Map	Montello
Milwaukee	1. SEMRPC Report Fox River Watershed 2. Milwaukee River Watershed 3. Root River Watershed	Fox River Milwaukee River Root River	Profile & Map Profile & Map Profile & Map	Milwaukee, Glendale, Brown Deer, River Hills, Greenfield
Oneida	1. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	Rhineland
Outagamie	1. Highwater Profiles Fox River 2. Wolf River Flood Plain Information Report 3. Winnebago and Outagamie Counties	Fox River Wolf River Fox River	Historic Profile & Map Profile & Map Profile & Map	Appleton, Kimberly, New London, Little Chute, Combined Locks, Kaukauna Shiocton, New London Appleton, Kimberly, Little Chute, Combined Locks, Kaukauna
Ozaukee	1. Milwaukee River Watershed	Milwaukee River	Profile & Map	Mequon, Thiensville, Saukville, Grafton, Fredonia, Belgium, Cedarburg
Pepin	1. Chippewa River Highwater Profiles 2. Mississippi River Regional Flood Analysis 3. Mississippi River Floodway Study	Chippewa River Mississippi River Mississippi River	Historic Profile Profile & Map Profile & Map	Durand Stockholm, Pepin Stockholm, Pepin
Pierce	1. Mississippi River Regional Flood Analysis 2. Mississippi River Floodway Study 3. St. Croix Regional Flood Analysis	Mississippi River Mississippi River St. Croix	Profile & Map Profile & Map Profile	Prescott, Bay City, Maiden Rock Prescott, Bay City, Maiden Rock Hudson, North Hudson
Polk	1. St. Croix Regional Flood Analysis	St. Croix	Profile	
Portage	1. Wisconsin River Regional Flood Analysis	Wisconsin River	Profile & Map	
Racine	1. SEMRPC Report Fox River Watershed 2. Root River Watershed	Fox River Root River	Profile & Map Profile & Map	Rochester, Waterford Racine
Richland	1. Highwater Profile Kickapoo River 2. City of Richland Center 3. Wisconsin River Regional Flood Analysis	Kickapoo River Pine River, Center Creek, Bush Creek Wisconsin River	Historic Profile & Map Profile & Map Profile	 Richland Center Lone Rock
Rock	1. Rock River 2. Janesville & Rock County 3. City of Beloit 4. Turtle Creek	Rock River Rock River Rock River Turtle Creek	Profile & Map Profile & Map Profile & Map Profile & Map	Beloit, Janesville Beloit Beloit
Rusk	1. Flambeau River	Flambeau River	Profile	Ladysmith
St. Croix	1. St. Croix River Regional Flood Analysis 2. New Richmond	St. Croix River Willow River, Paperjack Creek	Profile Profile & Map	New Richmond
Sauk	1. Baraboo River 2. City of Baraboo 3. Wisconsin River Regional Flood Analysis 4. Wisconsin River, Sauk County 5. Wisconsin River Profile Arena to Lone Rock	Upper Baraboo River Baraboo River Wisconsin River Wisconsin River Wisconsin River	Profile & Map Profile Profile Profile Profile	West Baraboo, North Freedom, Rock Springs, Reedsburg, LaValle Baraboo Harriman, Prairie du Sac, Spring Green, Sauk City Spring Green
Shawano	1. Wolf River Floodplain Information Report	Wolf River	Profile & Map	Shawano
Sheboygan	1. Milwaukee River Watershed 2. Sheboygan County Floodplain Information Report 3. Random Lake Floodland Study	Milwaukee River Sheboygan River, Mullet River Silver River	Profile & Map Profile & Map Map	Cascade, Sheboygan Sheboygan, Sheboygan Falls, Plymouth, Kohler Random Lake
Trempealeau	1. Mississippi River Regional Flood Analysis 2. Mississippi River Floodway Study 3. Village of Strum	Mississippi River Mississippi River Buffalo Creek	Profile & Map Profile & Map Profile & Map	Trempealeau Trempealeau Strum

FLOOD PLAIN STUDIES

<u>County</u>	<u>Study</u>	<u>Stream</u>	<u>Data Available</u>	<u>Communities Included</u>
Vernon	1. Highwater Profile Kickapoo River 2. Mississippi River Regional Flood Analysis 3. Mississippi River Floodway Study	Kickapoo River Mississippi River Mississippi River	Historic Profile & Map Profile & Map Profile & Map	Readstown, Viola, LaFarge, Ontario DeSoto, Genoa, Stoddard DeSoto, Genoa, Stoddard
Walworth	1. SEMRPC Report Fox River Watershed 2. Whitewater River and Spring Brook Creek	Fox River Whitewater River, Spring Brook Creek	Profile & Map Profile & Map	Burlington Whitewater
Washington	1. Milwaukee River Watershed 2. City of West Bend 3. City of Hartford	Milwaukee River, Cedar Creek Silver Creek Rubicon River	Profile & Map Profile & Map Profile & Map	West Bend, Jackson, Kewaskum West Bend Hartford
Waukesha	1. SEMRPC Report Fox River Watershed	Fox River, Pewaukee River	Profile & Map	New Berlin, Waukesha, Lannon, Menominee Falls, Pewaukee
Waupaca	1. City of Clintonville 2. Wolf River Floodplain Information Report	Pigeon River Wolf River	Profile & Map Profile & Map	Clintonville Fremont
Winnebago	1. Highwater Profiles Fox River 2. Winnebago and Outagamie Counties	Fox River Fox River	Historic Profile & Map Profile & Map	Winneconne, Oshkosh, Neenah, Menasha Menasha, Neenah
Wood	1. Wood County Floodplain Information Report	Wisconsin River	Profile & Map	Nekoosa, Saratoga, Port Edwards, Wisconsin Rapids, Byron

6.1.10

LAND RESOURCES ANALYSIS PROGRAM:
MAJOR AREAS OF POTENTIAL FLOOD HAZARD & STEEP SLOPE

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Date type: Published map

Date of Collection: 1963 - 1974

Date of Publication: 1975

Detail: 1:500,000

Aggregation: Statewide

Quality: Maps represent the general flooding pattern of the major water courses only.

Timeliness:

Sources: USGS state base map, USGS flood prone area maps, USGS topographic maps, former Department of Resource Development Landscape Resource Inventory Maps.

Textual Description: The Land Resources Analysis Program provides a statewide perspective on the distribution of resources and their characteristics. The Land RAP "Major Areas of Potential Flood Hazard and Steep Slope" map shows areas of steep topography and flood prone areas that pose problems to a broad range of land use activities. The flood prone areas are the general areas 1/2 mile or greater in width that are susceptible to occasional floods. The steep slope areas include any site of 160 acres or more that has a 12% or greater slope and has a change in elevation of at least 40 feet over the length of the slope.

Contact for Purchase:

Map Sales Office
Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-0586

Contact for Information:

Wisconsin Department of
Administration
State Planning Office
1 West Wilson Street
Madison, Wisconsin 53702
(608) 266-3382

6.1.10

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published Maps

STATEWIDE

Ashland

Bayfield
Brown

Burnett
Calumet

Date of Collection: Varies

Date of Publication: Varies; "Nautical Chart Catalog" published 1975.

Detail: Scales vary from 1:60,000 to 1:600,000. See map and table for specific information about each map.

Dodge
Door
Douglas

Aggregation: Individual charts (sheets) of Great Lakes and coastal areas. Complete coverage of Lake Michigan and Lake Superior and Wisconsin coastal areas.

Florence
Fond du Lac
Forest

Quality:

Iron

Timeliness:

Jefferson

Kenosha
Kewaunee

Sources: U.S. Lake Survey, U.S. Army Corps of Engineers

Langlade

Manitowoc

Textual Description: Most of the charts are polyconic projections. Latitude-longitude lines are indicated, and depth soundings are indicated throughout the lakes. Nearshore waters (0-30 feet) are indicated with blue tint. Ports and small boat harbors are often enlarged to larger scales. The charts indicate major cultural land features and many navigational aids (lights, beacons, jetties, sailing distances, etc.). The following table indicates the available charts and their scales.

Marinette

Menominee
Milwaukee

Oconto

Outagamie
Ozaukee

A brochure, "Nautical Chart Catalog 4" describes the availability of all the charts for the Great Lakes and some of the adjacent waterways. It is available free upon request.

Racine

Sawyer
Shawano
Sheboygan

Contact for Purchase:

-or-

Contact for Information:

Distribution Division, C44
National Ocean Survey
Riverdale, MD 20840
(301) 436-6990

Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca

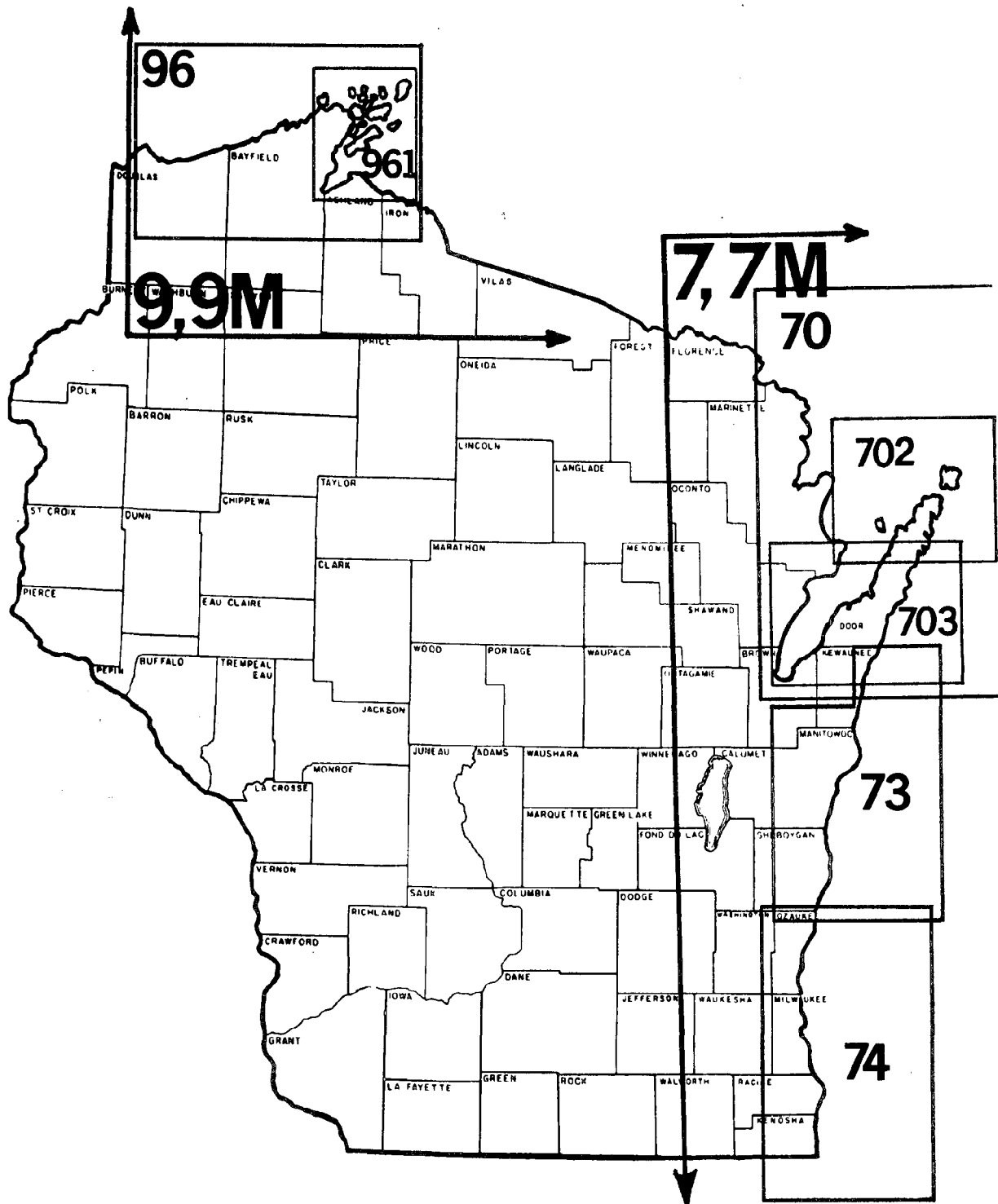
Winnebago

U.S. LAKE SURVEY
COAST CHARTS AND GENERAL CHARTS

<u>CHART NUMBER</u> (see map)	<u>CHART NAME</u>	<u>SCALE</u>
7	Lake Michigan	1:500,000
7M	Lake Michigan, Mercator Projection	1:500,000
70	North End of Lake Michigan, including Green Bay	1:240,000
73	Algoma to Eighteen Miles South of Sheboygan Kewaunee and Two Rivers	1:120,000 1:10,000
74	Ten Miles North of Port Washington to Waukegan Port Washington, Kenosha, Waukegon, Oak Creek Harbor	1:120,000 1:10,000
702	Green Bay from Point Detour to Bailey's Harbor and Menominee Detroit Harbor and Jackson Harbor	1:20,000 1:20,000
703	Jacksonport to Kewaunee and Green Bay Oconto and Algoma	1:80,000 1:10,000 & 1:20,000
9	Lake Superior	1:600,000
9M	Lake Superior, mercator projection	1:600,000
96	Little Girl's Point to Silver Bay Cornucopia, Port Wing, Knife River and Two Rivers	1:120,000 1:5,000
961	Apostle Islands, including Chequamegon Bay Bayfield, Pikes Bay, and La Pointe Harbors	1:60,000 1:10,000

COAST CHARTS AND GENERAL CHARTS

U. S. LAKE SURVEY



WISCONSIN State Planning Office
Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published Maps

Date of Collection: Varies

Date of Publication: Varies. "Nautical Chart Catalog" published in 1975.

Detail: Scales vary from 1:10,000 to 1:30,000. See following table and map for specific information about each map. Six foot contours are indicated out to 30 feet in depth.

Aggregation: Individual charts (sheets) of harbors and waterways on Lake Superior, Lake Michigan, and the lower Fox River. See map.

Quality: The most accurate available mapped information for hydrography and for navigational aids.

Timeliness:

Sources: U.S. Army Corps of Engineers, U.S. Lake Survey

Textual Description: The harbor and recreation-craft charts are polyconic projections. Latitude-longitude lines are indicated, and depth soundings are densely indicated throughout the waters. Nearshore waters (0-30 feet deep) are indicated with 6 foot contours and blue tints. The charts indicate major cultural and urban land features, and land elevation contours when available. Many navigational aids (lights, beacons, jetties, sailing distances, etc.) are also indicated. The following table and map indicates available charts and scales.

A brochure, "Nautical Chart Catalogue 4" describes the availability of all the charts for the Great Lakes and the adjacent waterways. It is available free upon request.

Contact for Purchase:

-or-

Contact for Information:

Distribution Division, C44
National Ocean Survey
Riverdale, Md. 20840
(301) 436-6990

Ashland

Bayfield
Brown

Calumet

Door
Douglas

Fond du Lac

Manitowoc

Marinette

Milwaukee

Outagamie

Racine

Sheboygan

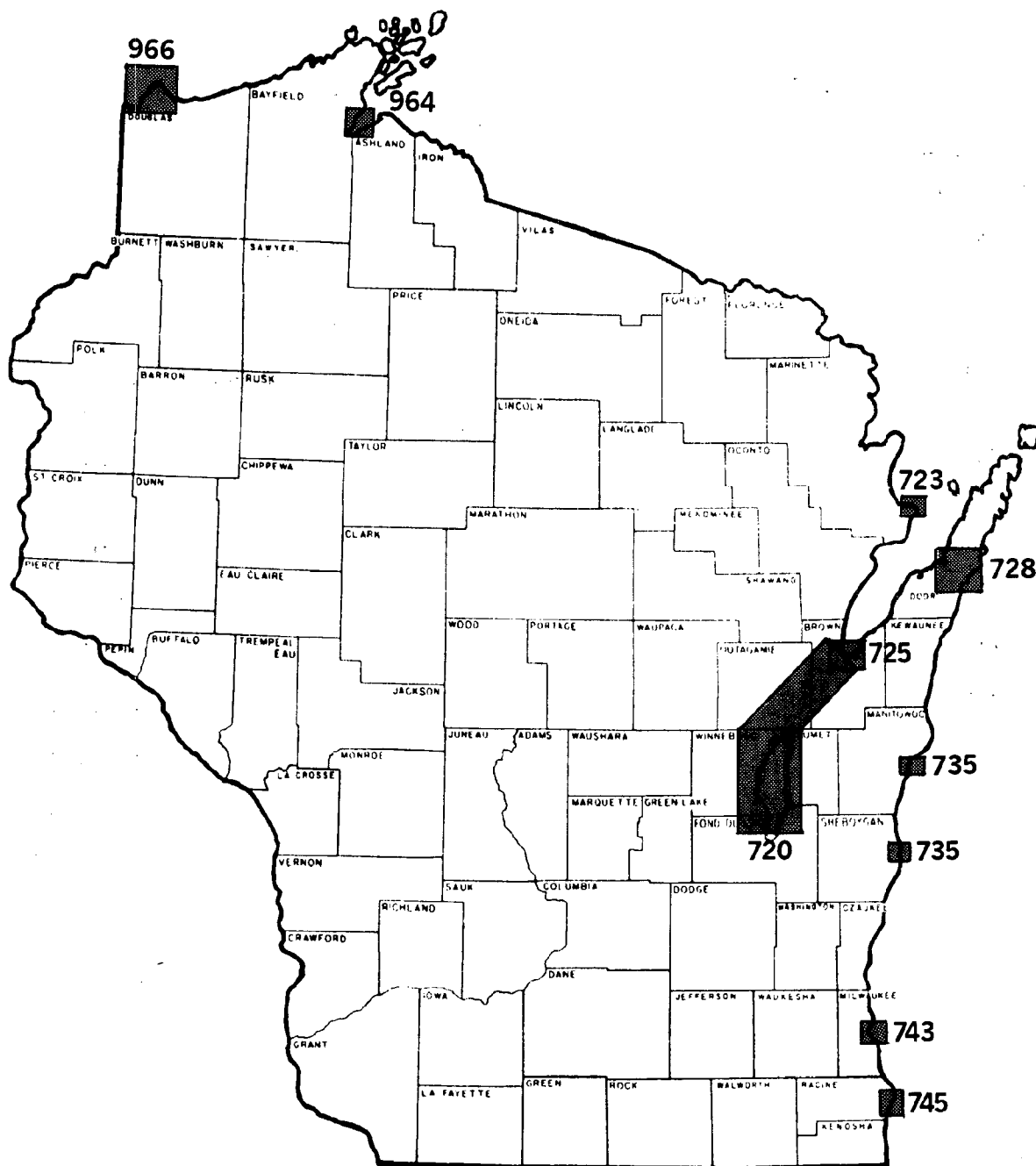
Winnebago

U.S. LAKE SURVEY
HARBOR CHARTS AND RECREATION--CRAFT CHARTS

<u>CHART NUMBER</u> (See map)	<u>CHART NAME</u>	<u>SCALE</u>
720	Recreational Craft Chart--Lake Winnebago and Lower Fox River	Various
723	Menominee Harbor and Marinette Harbor	1:15,000
725	Head of Green Bay and Fox River below DePere Green Bay	1:25,000 1:10,000
728	Sturgeon Bay and Canal Sturgeon Bay	1:30,000 1:10,000
735	Manitowoc and Sheboygan Harbors	1:10,000
743	Milwaukee Harbor	1:10,000
745	Racine Harbor	1:10,000
964	Ashland and Washburn Harbors	1:15,000
966	Duluth-Superior Harbor Upper St. Louis River	1:15,000 1:30,000

HARBOR CHARTS AND RECREATION-CRAFT CHARTS

U. S. Lake Survey



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published Maps

Date of Collection: 1960's

Buffalo

Date of Publication: 1960's

Detail: 1:25,340

Crawford

Aggregation: 161 charts extending from the mouth of the Ohio River to 10 miles above Minneapolis. A complete set is available for purchase from the U.S. Corps of Engineers.

Grant

Quality: Extremely detailed maps for navigational uses.

Timeliness:

Sources: U.S. Army Corps of Engineers, USGS

La Crosse

Textual Description: This series of charts shows government property, wildlife sanctuaries, cities, dams, bridges, roads, railroads, docks, recreation sites, historic sites, channels and depths, submerged features, miles above the Ohio River, river currents, etc. The charts also include tabular information on terminals, docks, power cables, etc. The maps which include Wisconsin areas are chart numbers 107-152.

These maps are available for inspection at the UW map and Air Photo Library.

Pepin
Pierce

Contact for Purchase:

-or-

Contact for Information:

Trempealeau
Vernon

Department of the Army
St. Paul District
Corps of Engineers
1135 U.S. Post Office & Customs House
St. Paul, Minnesota 55101
or
UW Map and Air Photo Library
University of Wisconsin-Madison
384 Science Hall
Madison, Wisconsin 53706
(608) 262-1471

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published Maps

Date of Collection: 1929 - 1930

Buffalo

Date of Publication: 1931

Detail: 1:12,000. Contour interval is 10 feet.

Crawford

Aggregation: Survey covers area from Hastings, Minnesota to Grafton, Illinois in 84 maps. Available for purchase by complete set.

Quality: Detailed mapping for navigational use.

Grant

Timeliness: May be out of date in some areas. Consult the updated version, "Upper Mississippi River Navigation Charts", for changes.

Sources: U.S. Army Corps of Engineers, USGS

La Crosse

Textual Description: Maps show the Mississippi River and the adjacent land area. They show bridges, dams, channels and depths, roads, railroads, topography (contour interval 5 feet), wetlands, municipalities, forested areas, etc. The updated series, "Upper Mississippi River Navigational Charts", do not show significant topography. The maps which include Wisconsin are numbers 9-56. Maps are available for inspection at the UW-Madison Map and Air Photo Library.

Pepin
Pierce

Contact for Purchase:

Department of the Army
St. Paul District
Corps of Engineers
1135 USPO & Customs House
St. Paul, Minnesota 55101

Contact for Information:

UW Map and Air Photo Library
or
384 Science Hall
University of Wisconsin-
Madison
Madison, Wisconsin 53706
(608) 262-1471

Trempealeau
Vernon

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published tabular and mapped

Date of Collection: 1959 - present

Date of Publication: 1961 - present; see map

Detail: Reports include detailed physical data and generalized chemical, biological and cultural data on most named and unnamed streams and lakes in each county. Detail varies with different counties and with the date of publication (newer reports have more detailed information).

Aggregation: Individual county reports. 71 of 72 counties are completed; 61 of 72 reports are published. Some reports are out of print. See map for availability of reports.

Quality: The most extensive statewide survey of lakes and streams in Wisconsin. Data collected for water bodies is not intensive and is usually only collected once.

Timeliness: Many reports may be out of date regarding cultural and water quality data. Data files used in compiling reports are updated approximately every ten years. Reports for remaining counties are forthcoming.

Sources: Aerial photographs, field surveys, USGS quadrangle maps; DNR, USGS, DOT, and other agencies.

Textual Description: The DNR Bureau of Fish and Wildlife Management has published a series of reports, titled Surface Water Resources of--County, as part of a statewide lake and stream classification project. These reports include narrative descriptions and detailed tabular information for most of the named and unnamed lakes and streams in each county. The detail varies slightly for different reports and for different water bodies. Information for individual lakes and streams usually includes the following: location (township, range, section and sometimes 1/4-1/4 section), acres, max. depth (lakes), gradient (streams), length (streams), alkalinity, transparency (lakes), temperature (streams), drainage and water source characteristics, fishery and game characteristics, access, public frontage and other miscellaneous information. The reports also contain county maps showing all lakes and streams (at various scales) and textual descriptions of the other natural resources in the county. Reports with copies available are free upon request; those out of print are available on loan from DNR Bureau of Research.

Contact for Purchase:

Contact for Information:

Bureau of Fish and Wildlife
Management
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-1877

Adams
Ashland
Barron
Bayfield
Brown

Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge

Douglas
Dunn
Eau Claire
Florence
Fond du Lac

Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette

Manitowoc

Marquette
Menominee
Milwaukee
Monroe

Oneida
Outagamie
Ozaukee

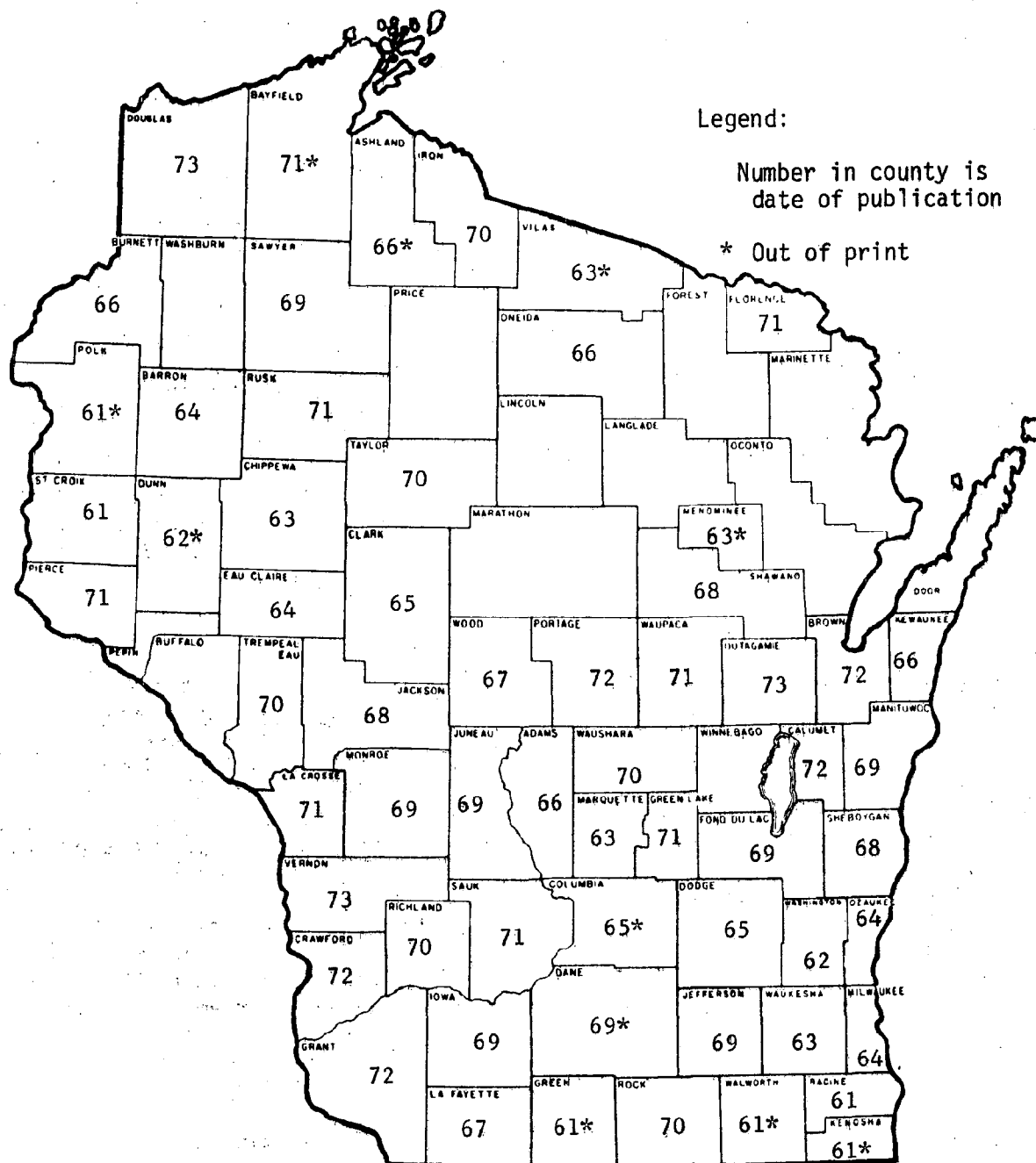
Pierce
Polk
Portage

Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth

Washington
Waukesha
Waupaca
Waushara

Wood

DNR COUNTY SURFACE WATER RESOURCE REPORTS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published Maps

Date of Collection: Ongoing program

Date of Publication: Completed maps are recently published; mapping of additional lakes is still in progress.

Detail: Scales range from 1:1,200 to 1:12,000, depending on lake size.

Original maps are on 17" x 19" sheets. Depth contours are in 1 foot intervals from shoreline to several feet in depth, and 5 foot contours throughout the rest of the lake. Approximately 2,550 lakes are mapped.

Aggregation: Individual maps for each lake. Lakes are distributed throughout the state. Size of mapped lakes varies from 1/2 acre to the largest lakes in the State. An interagency document, "Inventory of Mapped Lakes" lists all mapped lakes by county and alphabetically.

Quality: The most detailed mapping available for inland lakes.

Timeliness: Most of the larger lakes in the State are mapped. Approximately 2,550 out of 8,000 lakes are mapped and printed. The document "Inventory of Mapped Lakes" is updated annually.

Sources: DNR staff, hydrographic surveys, field interpretations, aerial imagery.

Textual Description: The DNR Inland Lake Survey Maps usually indicate surface waters, emergent and terrestrial vegetation, depth contours in 1 foot or 5 foot intervals, cultural features, access roads, Public Land Survey lines, bottom sediments and shore materials, and various physical, chemical and biological information, date of mapping and type of recording equipment. The lake depths are measured with recording sonar, and with a range pole in shallow water.

Maps and map indexes are available only through two private firms, in the original compilation size or in 8-1/2" x 11" reductions.

The "Inventory of Mapped Lakes" lists the following information for each mapped lake: town-range-section, date of mapping, acreage, presence of bench marks, and dams.

Contact for Purchase:

-or-

Contact for Information:

The Clarkson Company
725 Demoyer Street
Kaukauna, Wisconsin 54130
or
The Star Map Service
P.O. Box 3007
Milwaukee, Wisconsin 53218

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published tabular

Date of Collection: Continuous updating of information

Date of Publication: 1974; published approximately every 2 years.

Detail: Document includes a list and general information on all lakes in Wisconsin greater than 20 acres in size.

Aggregation: Statewide, by county and by individual lake, in alphabetical order.

Quality: Information is very reliable; however, more detailed information is available.

Timeliness: Up to date

Sources: DNR

Textual Description: The DNR publication, Wisconsin Lakes, is a generally available document which indicates several data items for over 6,000 lakes in Wisconsin (all lakes greater than 20 acres in size). These data include the name of lake (unnamed lakes are indicated by town-range-section), acreage, maximum depth, public access, relative location in county, availability of lake survey map, and species of fish present (musky, northern pike, walleye, bass, panfish, trout, and cisco).

A textual description and a summary of all lakes within each county is also included.

Contact for Purchase:

Contact for Information:

Information Office
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-2621

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Published mapped and tabular

Adams

Date of Collection: 1966 - 1969

Date of Publication: 1966 - 1970

Detail: Highly detailed information compiled in published reports for over 70 lakes. Information includes physical descriptions, resource characteristics, lake uses, protective measures and associated problems, and several maps (at various scales) which depict this information.

Columbia

Dane

Aggregation: Individual reports for each lake. Almost all lakes are in the Fox River and Milwaukee River watersheds (Southeastern Wisconsin). See map.

Fond du Lac

Quality: Some of the most detailed information available for these lakes.

Timeliness: Human related information may be out of date. Physical and resource data may still be the best available.

Jefferson

Kenosha

Sources: DNR Bureau of Fish and Wildlife Management

Textual Description: The DNR Lake Use Reports were compiled and published in order to document the existing condition of lakes in southeastern Wisconsin, to identify recreation and resource-related problems, and to recommend protective and enhancement measures for these lakes. The following information is included in each report: physical description (basin, shore and drainage characteristics, climate and hydrology, soils, and a detailed hydrographic map), water quality (10-15 parameters), natural resources (aquatic plants, fish, game, aesthetic resources, and a map of fish, wildlife, woodland and soil values), lake use and land use (fishing, boating, swimming, cottages and homesites, hunting, and a map of existing land use), existing protective measures and a zoning map, recreation and resource-related problems, and recommended protection and enhancement measures (including a recreational land use plan map.) See the following map and table for the availability of reports.

Marquette

Ozaukee

Racine

Contact for Purchase:

Contact for Information:

Sheboygan

Bureau of Fish and Wildlife
Management
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-1877

Walworth
Washburn
Washington
Waukesha

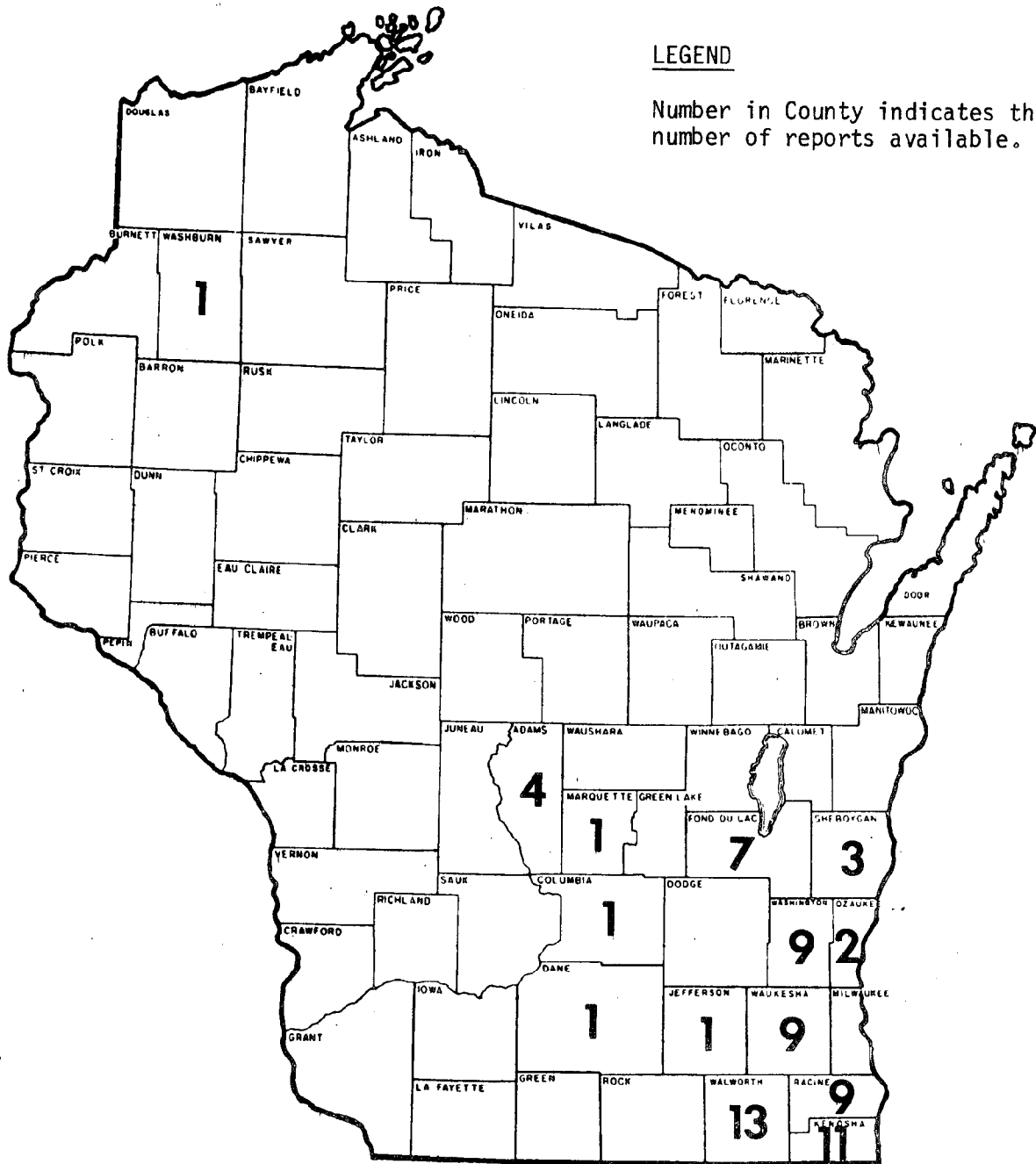
DNR LAKE USE REPORTS

<u>Lake</u>	<u>County</u>	<u>Date</u>
Auburn	Fond du Lac	1970
Army	Walworth	1967
Barton Pond	Washington	1970
Beulah	Walworth	1968
Benedict	Kenosha & Walworth	1969
Bohner	Racine	1968
Big Muskego	Waukesha	1966
Browns	Racine	1967
Booth	Walworth	1967
Camp	Kenosha	1968
Buffalo	Marquette	1967
Big Cedar	Washington	1970
Como	Walworth	1969
Center	Kenosha	1968
Cross	Kenosha	1969
Crooked	Sheboygan & Fond du Lac	1970
Denoon	Waukesha	1968
Dyer	Kenosha	1969
Eagle	Racine	1968
Eagle Spring	Waukesha	1969
Elizabeth	Kenosha	1968
Lake Ellen	Sheboygan	1970
Forest	Fond du Lac	1970
Echo	Racine	1969
Geneva	Walworth	1969
Green	Washington	1970
Kee-Nong-Ga-Mong	Racine	1969
Kettle Moraine	Fond du Lac	1970
Koshkonong	Jefferson	1969
Mauthe	Fond du Lac	1970
Lauderdale	Walworth	1969
Lilly	Kenosha	1968
Lucas	Washington	1969
Long	Racine	1969
Little Cedar	Washington	1970
Long	Fond du Lac	1970
Lulu	Walworth	1968
Mud	Fond du Lac	1970
Mud	Ozaukee	1970
Little Muskego	Waukesha	1966
Marie	Kenosha	1968
North	Walworth	1970
Lower Phantom	Waukesha	1969
Peters	Walworth	1968
Pell	Walworth	1967
Pewaukee	Waukesha	1969
Pleasant	Walworth	1967
Potters	Walworth	1967
Powers	Kenosha	1969
Random	Sheboygan	1970
Silver	Washington	1970
Silver	Kenosha	1967
Spring	Ozaukee	1969
Sherwood Lake #9	Adams	1968
Smith	Washington	1970
Spring	Waukesha	1968
Twelve	Washington	1969
Deer Lodge & Sherwood Lake #11	Adams	1967
Wallace	Washington	1969
Upper Phantom	Waukesha	1969
Waubesaee	Racine	1968
Wandawega	Walworth	1969
Wind	Racine	1969
Volz	Kenosha	1970
Waterford Impoundment & Tichigan Lake	Racine	1970

Additional Lake Use Reports (File copies only)

Upper Yellow River Flowage	Washburn	1965
Rowan Creek	Columbia	1966
Trapp & Cravath Lakes	Adams	1967
Deer Lodge Lake	Adams	1967
Upper Mud Lake	Dane	1967

DNR LAKE USE REPORTS



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY
Section: Water Related Resources
Data type: Unpublished Tabular

Date of Collection: 1915 - present

Date of Publication: Current files

Detail: Periodic monitoring of 1500-2000 lakes and flowages. Monitoring on individual lakes may vary from one reading per year to one reading per five years.

Aggregation: Includes most of the larger lakes in the state, and nearly all lakes or flowages which are held by dams. Monitoring data is filed by county and then by name of water body.

Quality: Elevation readings are very accurate. Most readings are based on a benchmark and a local datum. There is the problem of different datums on different water bodies, which makes comparisons between water bodies difficult.

Timeliness: The most current data available on a statewide basis.

Sources: DNR Water Regulation Section (1967-present); PSC (1931-1966); Railroad Commission (1915-1931). All historical files are maintained by DNR.

Textual Description: The DNR Water Quality Regulation Section maintains a statewide water level monitoring program in order to determine the normal water levels in a lake or flowage over a period of years, and to assure that dams are properly operated. Files are maintained on each water body. In each file is a summary sheet which gives the location, ownership of the dam, and a general description of the water body and the dam if a dam is present. This is followed by data sheets which give the elevations of the water above and below the dam, the elevations of various water level control structures, and the dates for which these water levels have been measured.

Contact for Purchase:

Contact for Information:

Chief, Water Regulation Section
Dept. of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-8030

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published mapped and tabular

Date of Collection: Root River 1964-66; Fox River 1965-69, Milwaukee River 1965-70

Date of Publication: Root River 1966; Fox River 1969, 1970; Milwaukee River 1970, 1971.

Detail: Reports include various maps, charts, tables, and textual information on water and water-related resources (floods, water quality control facilities, etc.). Alternative plans are presented for flood control, pollution abatement, etc.).

Aggregation: Published reports for major watersheds within the Southeastern Wisconsin region (Root, Fox, and Milwaukee River Basins). See map.

Quality: Highly detailed data and plans--some of the best available studies for the region. Plans have been adopted by many county and municipal governments in the region.

Timeliness:

Kenosha

Sources: SEWRPC, USGS, SCS, DNR, Southeastern Wisconsin counties and municipalities, private engineering firms.

Textual Description: SEWRPC has prepared and published plans for three major watersheds: Root River, Fox River, and Milwaukee River (a Comprehensive Plan for the River Watershed, SEWRPC Planning Report nos. 9, 12, and 13). These plans are prepared as long range comprehensive plans for the physical development of the watersheds to be adopted and used by local governments. They include alternative land use plans, flood control facilities plans and pollution abatement facilities plans. Various meteorologic, hydrologic, flood damage, and water quality data are presented in tabular and chart form. Maps are presented (at various scales) for such things as land use, sewerage systems and service areas, natural resources (woodlands, wetlands, corridors), open space and recreation sites (existing and proposed), ground water potentiometric surface and aquifer thickness, flood inundation (10-year and 100-year flood areas), etc.

Milwaukee

Ozaukee

Racine

Plans are presented for such elements as flood control, pollution control, water supply, recreation, etc.

Reports are available for purchase from SEWRPC or loan from SEWRPC and various libraries.

Contact for Purchase:

-or-

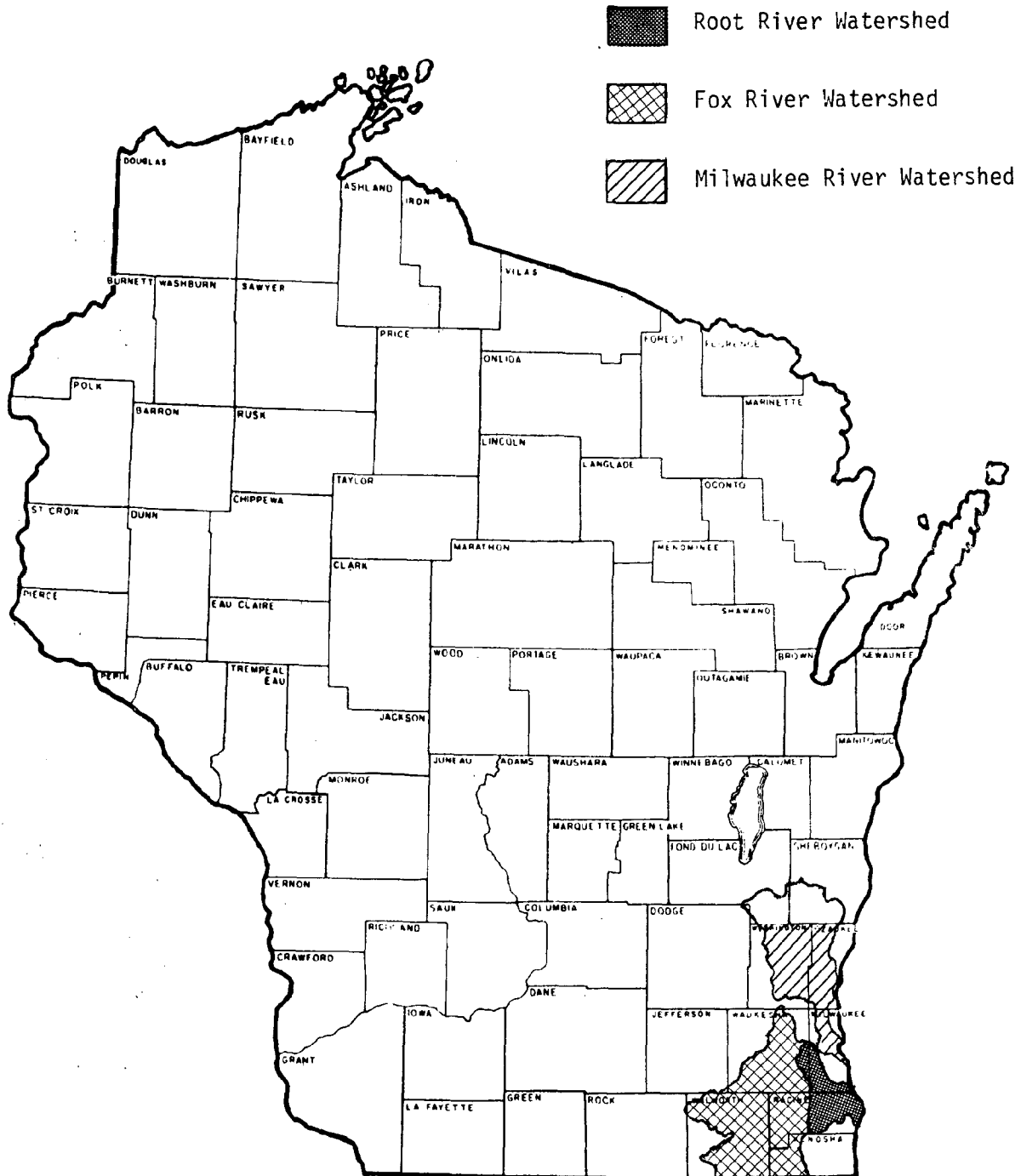
Contact for Information:

Southeastern Wisconsin Regional Planning
Commission
916 North East Avenue
Old Court House
Waukesha, Wisconsin 53186
(414) 547-6721

Walworth

Washington
Waukesha

SEWRPC WATERSHED PLANS



WISCONSIN	State Planning Office
	Department Of Administration

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published maps

Ashland

Bayfield

Date of Collection: 1969

Date of Publication: 1969

Chippewa
Clark

Detail: 1:48,000 [USGS 15 minute quadrangle series].

Aggregation: Maps are available for each USGS 15 minute quadrangle in study area (see map). Countywide summaries are available for each county in study.

Eau Claire
Florence
Forest

Quality: The poor quality of certain air photos may have caused omissions of certain drainage features.

Iron
Jackson

Timeliness: Certain features, especially beaver dams, may no longer exist. Air photos used as source information were collected from (1951-68) with no subsequent updating.

Sources: Aerial photography (several sources) and USGS base maps.

Langlade
Lincoln

Marathon
Marinette

Textual Description: The Project Sanguine drainage maps show significant hydrological features such as rivers and streams, lakes and ponds, dams, beaver dams, and rapids and/or waterfalls. The symbols used are drawn in proportion to the size of the feature. Rivers and streams of less than 1 mile are not included. Lakes of less than one acre are also excluded. The county summary contains a textual description of the area's drainage patterns.

Menominee

Oconto
Oneida
Outagamie

See: An Airphoto Analysis of a Portion of Wisconsin and Michigan for Project Sanguine for more detailed information on the methodology employed.

Portage
Price

Rusk

Sawyer
Shawano

Contact for Purchase:

Contact for Information:

Taylor

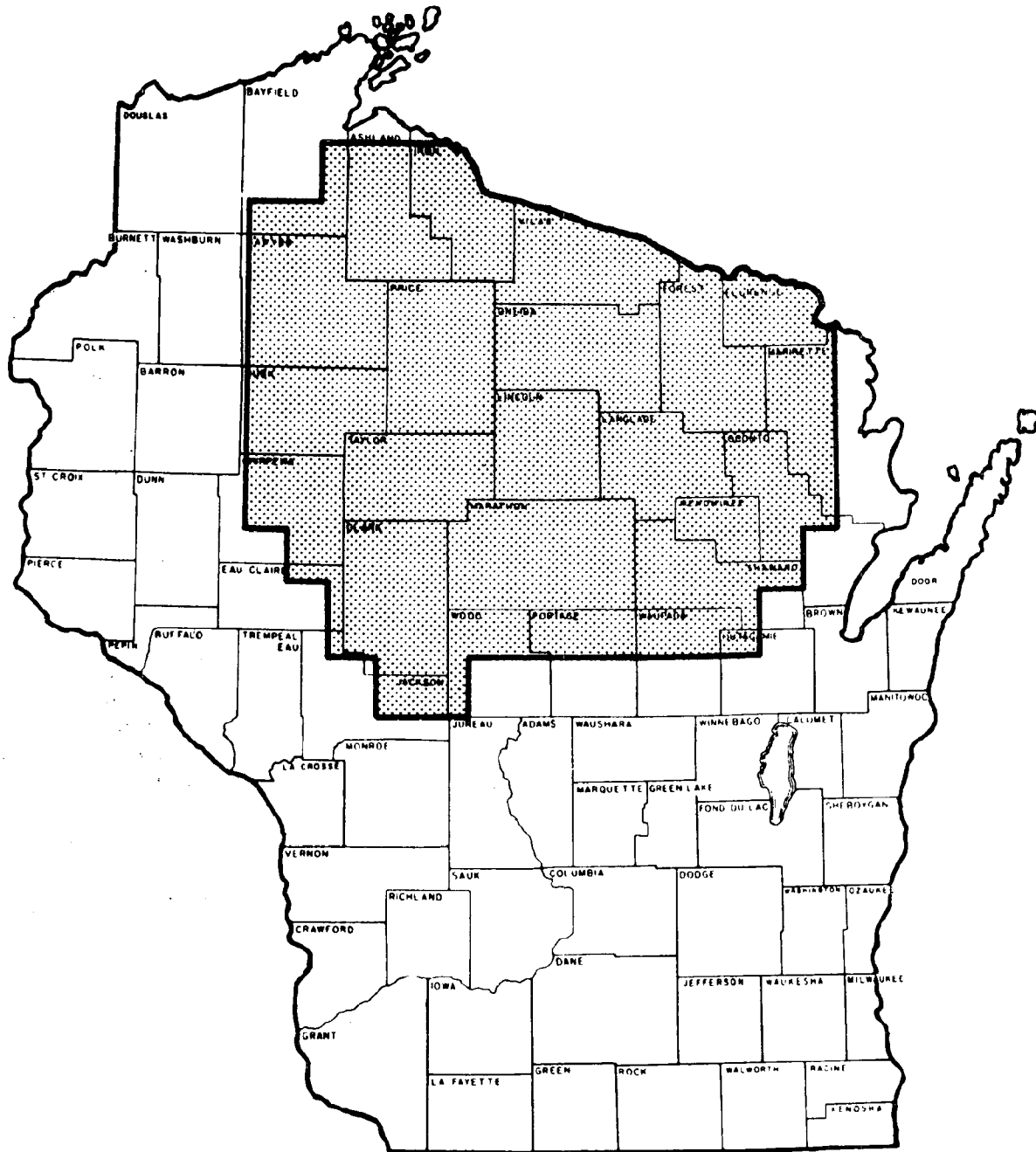
Vilas

UW Map & Air Photo
Room 384 Science Hall
University of Wisconsin-Madison
Madison, Wisconsin 53706
(608) 262-1471
or U.S. Navy Underwater Sound Lab.
Fort Trumbell
New London, Connecticut

Waupaca

Wood

PROJECT SANGUINE, 1969



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUANTITY

Section: Water Related Resources

Data type: Published Tabular

Date of Collection: 1951 - present

Date of Publication: 1972 open-file report, updated in 1973. Ongoing program.

Detail: Drainage area measurements made by planimetering on the best available topographic maps. Measurements given in square miles for over 1,700 sites throughout the state.

Aggregation: Statewide, organized by drainage basin. Eventually, drainage areas for all streams greater than 10 sq. mi. and named streams greater than 5 sq. mi. will be measured.

Quality: Every measurement is accompanied by a rating of quality that describes the type of map and techniques used. Quality is generally excellent.

Timeliness: Includes the most recent measurements published by various State and Federal agencies. About 40% of State is completed as of 1975.

Sources: USGS, USDA-SCS, US Army Corps of Engineers, DNR. Most map sources are USGS 7-1/2 minute topographic maps.

Textual Description: Drainage area measurements are published by various state and federal agencies. The Water Resources Division, USGS has an ongoing cooperative study which has collected all available drainage-area information and is presently measuring drainage areas above specified sites (USGS stream stations, bridge crossings, dams, sewage treatment plants) throughout the state.

The 1972 open-file report, Drainage-Area Data for Wisconsin Streams, lists all data in USGS files and files of other agencies. The tables in this report give the downstream site number and location, type of site, drainage area, and a rating of measurements and map quality. A variety of measurement techniques and map types were used.

Additional drainage-area data for streams in Wisconsin are available from a 1971 USDA-SCS report, Areal Measurement and Nomenclature of Watersheds in the Southeast Wisconsin Rivers Basin, Reference Report No. 10.

Contact for Purchase:

-or-

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

6.1.23

COASTAL SHORE EROSION MAPS

6.1.23

Subsection: WATER QUALITY

Section: Water Related Resources

Data type: Unpublished maps

Date of Collection: 1975-1976

Date of Publication: Current files

Detail: Map scale is 1:24,000.

Door

Aggregation: Lake Michigan coastal area (Kenosha County through most of Door County). Coverage includes a strip one mile to either side of the shoreline. Eventually all Lake Michigan and Superior shore erosion problem areas will be mapped.

Quality:

Timeliness: Up to date

Kenosha
Kewaunee

Sources: USGS, U.S. Army Corps of Engineers, DNR, field surveys, aerial photography.

Manitowoc

Textual Description: The DNR Office of Planning and Analysis compiled these maps as part of the Shore Erosion Study under the Coastal Management Development Program. The mapped information includes the number of residences per mile in urban areas, shore structures, bluff height, historic and current shore recession rates, the 1952 Corps of Engineers damage survey amounts and public perception of shore erosion in terms of environmental, property or public safety hazards. The information is mapped in contours parallel to the shoreline. These maps are available in a 24" x 24" format (2 townships per sheet) and are reproducible.

Milwaukee

Ozaukee

Racine

Sheboygan

Contact for Purchase:

Contact for Information:

Office of Planning and Analysis
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707
(608) 266-8033

Revised 1976

Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Published and unpublished tabular

Adams
Ashland

Bayfield

Date of Collection: 1955 - present. Collected continuously or periodically during each water year (Oct. 1 - Sept. 30).

Date of Publication: Yearly since 1955. Approximately 1 year lag between collection and publication.

Clark

Detail: Monthly monitoring of conductivity and temperature at most of the 73 stream gaging stations throughout the state. More detailed monitoring at 10 additional stream gaging stations. See map.

Crawford
Dane
Dodge

Aggregation: Statewide. Published data and data files are aggregated by drainage areas, and by individual sampling stations in the down-stream direction.

Douglas
Dunn
Eau Claire
Florence
Fond du Lac

Quality:

Grant

Green Lake

Timeliness: Annually updated publication. More current information is stored on computer files.

Iron
Jackson
Jefferson
Juneau

Sources: USGS

Kewaunee

Lafayette

Lincoln
Manitowoc
Marathon

Textual Description: Surface water quality data are published in Part 2 of Water Resources Data for Wisconsin, Parts 1 and 2, an annual series published by USGS. Published information on each station includes an identification number for the station, the station name, location, period of record, time and date of sampling, and the various water quality measurements. Water quality measurements range from concentration of basic physical, chemical, and bacteriological materials to additional data on nutrients, benthos, minor elements, organic material and sediment transport.

Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin

The annual publication also contains surface water supply data (discharge, water-surface height, drainage area) for specific sites. The most recent publication (1974) and data collected subsequent to publication are available by request from USGS Water Resources Division. There may be a cost associated with retrieval of more recent information from computer files.

Portage
Price
Racine
Richland
Rock

Contact for Purchase:

-or-

Contact for Information:

Sauk
Sawyer

Sheboygan

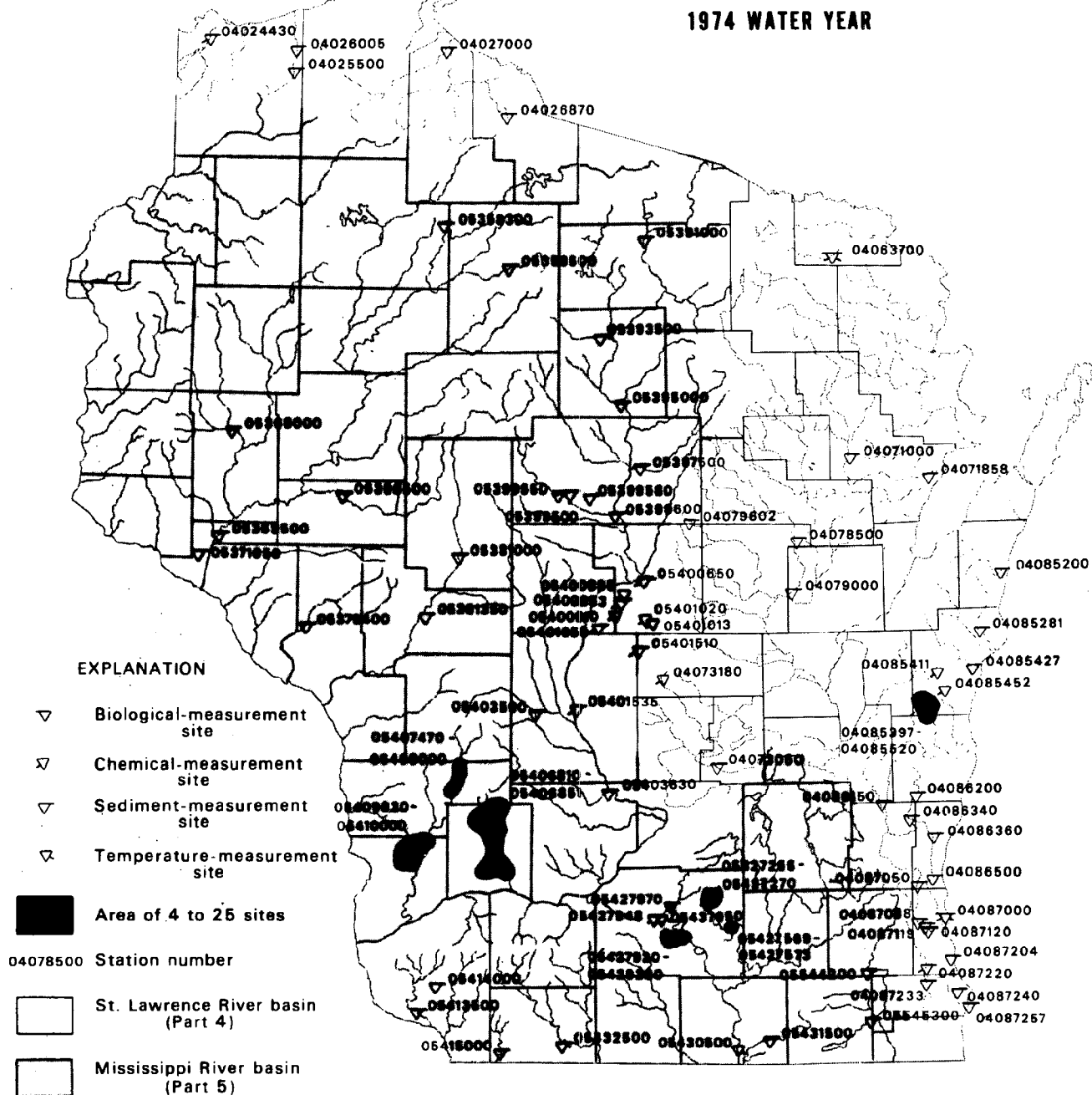
Trempealeau
Vernon

U.S. Geological Survey
Water Resources Division
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

Washington
Waukesha
Waupaca
Waushara

Wood

1974 WATER YEAR



Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Tabular and mapped (published and unpublished)

Date of Collection: 1930's - present

Date of Publication: Yearly since 1964.

Detail: Data presently collected at 60 sites (32 with monthly sampling, 28 with daily or weekly sampling). Historical data available for approx. 40 additional sites. 1970 and 1972 publications include page-size state maps showing regionalized sediment yields and sampling sites.

Aggregation: By drainage area and by station identification number. Data is stored on computer files; it can be listed in a variety of ways.

Quality: Data represents conditions only at the time of collection. Maps are highly generalized.

Timeliness: Continuous monitoring program.

Sources: USGS, WGNHS, DNR, U.S. Army Corps of Engineers, Douglas County

Textual Description: Sediment data is collected in order to determine the load, nature and, if possible, the source of sediment carried by Wisconsin streams. The USGS monitors sediment yields throughout the state, although emphasis is on streams that carry heavy sediment loads or have sediment problems. Most of the data collected is for the quantity of suspended sediment discharged through the stream (measured either in terms of concentration or yield). Periodic measurements of the particle-size distribution of the suspended sediments and of stream bed material are made. Average annual yields are calculated for 180 sites.

The 1970 publication, Sediment Yields of Wisconsin Streams (by S. M. Hindall and R. F. Flint, USGS Hyd. Inv. Atlas HA-376) and the 1972 open-file report (same title and author) contain basic data for 70-80 sites throughout the state, and includes page-sized state maps showing sediment yields on a regionalized basis. The annual publication, Water Resources Data for Wisconsin, Parts 1 and 2, (most recent edition is 1974) contains the actual data for each station and for each date of record.

Contact for Purchase:

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

Adams
Ashland

Bayfield

Buffalo
Burnett

Clark

Crawford
Dane
Dodge

Douglas
Dunn

Florence
Fond du Lac

Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette

Lincoln
Manitowoc
Marathon

Marquette

Milwaukee
Monroe
Oconto

Ozaukee
Pepin
Pierce

Portage
Price
Racine

Rock
Rusk

Sauk
Sawyer
Shawano
Sheboygan

Trempealeau
Vernon

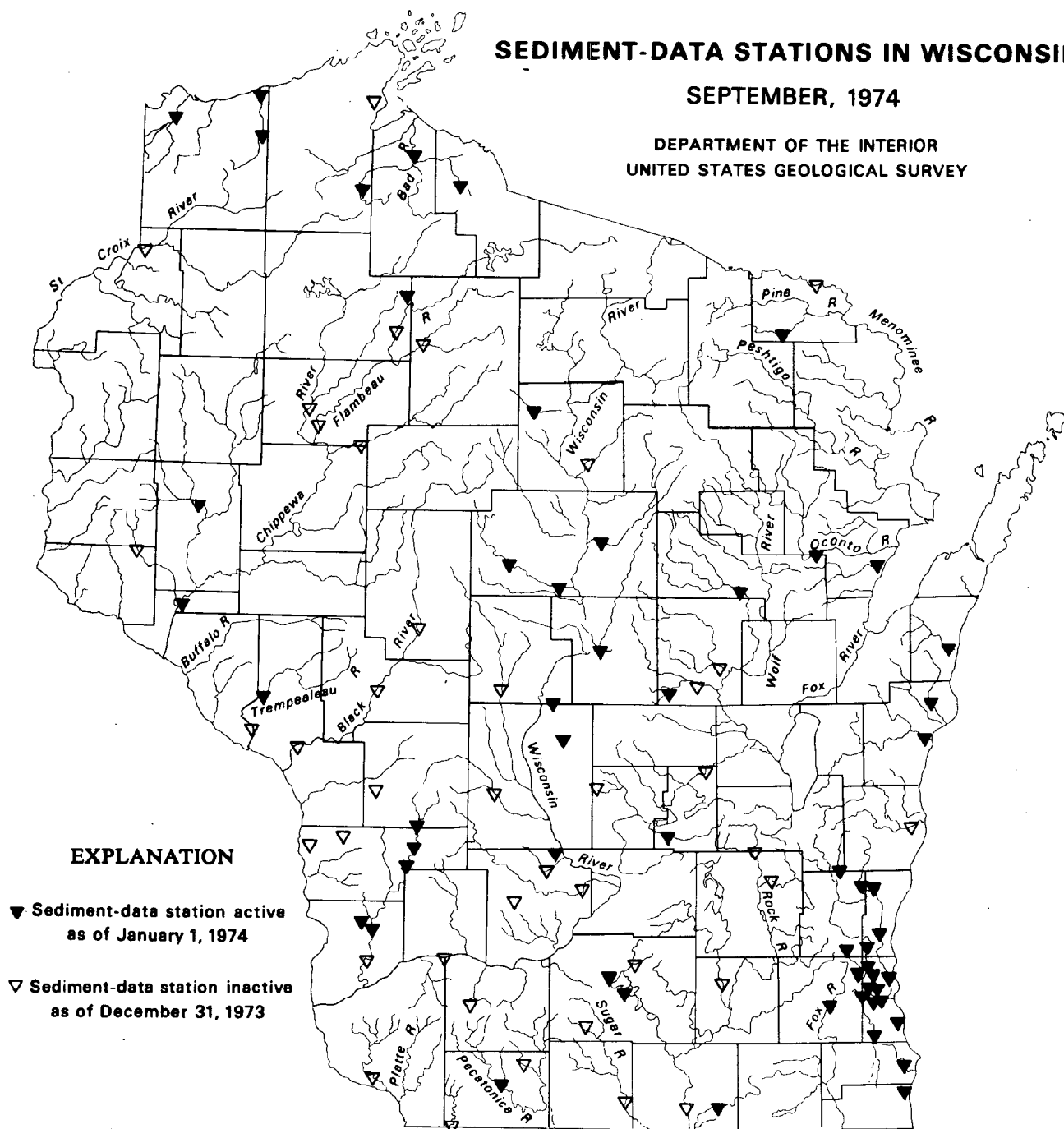
Washington
Waukesha
Waupaca

Wood

SEDIMENT-DATA STATIONS IN WISCONSIN

SEPTEMBER, 1974

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



EXPLANATION

- ▼ Sediment-data station active
as of January 1, 1974
- ▽ Sediment-data station inactive
as of December 31, 1973

in cooperation with:
Wisconsin Department of Natural Resources
Department of the Army, Corps of Engineers
Wisconsin Geological and Natural History Survey
Douglas County, Wisconsin

Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Published Tabular

Date of Collection: 1961 - present

Date of Publication: 1972 (3rd report)

Detail: Up to 17 water quality parameters monitored at monthly intervals over the period of record.

Aggregation: Data is available for 35 monitoring stations established in 1961, and 14 additional monitoring stations established in 1968-1975. Data is stored in STORET environmental data system. See map.

Quality: All sampling and analysis techniques are standardized and performed by qualified technicians.

Timeliness: Ongoing monitoring system - current data is available through DNR.

Sources: DNR

Textual Description: The DNR Surface Water Quality Monitoring Program is aimed at checking pollution and measuring water quality and determining its potential for recreation, municipal, industrial and agricultural uses. The data are arranged by reporting station and includes size of drainage area, source, date of collection, alkalinity, fecal coliform, 5-day BOD count, chlorides, color, hardness, nitrogen, phosphorus, solids, etc. Yearly mean concentrations of parameters are also shown.

An informational publication, Surface Water Quality Monitoring Program, 1969-72, is available for DNR. More current information which is stored in computer files can be made available upon request by DNR.

Contact for Purchase:

Contact for Information:

Division of Environmental
Protection
Wisconsin Department of
Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221

Adams
Ashland

Bayfield
Brown
Buffalo
Burnett

Chippewa

Crawford

Douglas

Grant
Green

Iron

Jefferson

Kenosha
Kewaunee
La Crosse
Lafayette

Manitowoc
Marathon
Marinette

Menominee
Milwaukee

Oconto
Oneida

Ozaukee

Pierce

Racine

Rock

Sauk

Sheboygan

Trempealeau

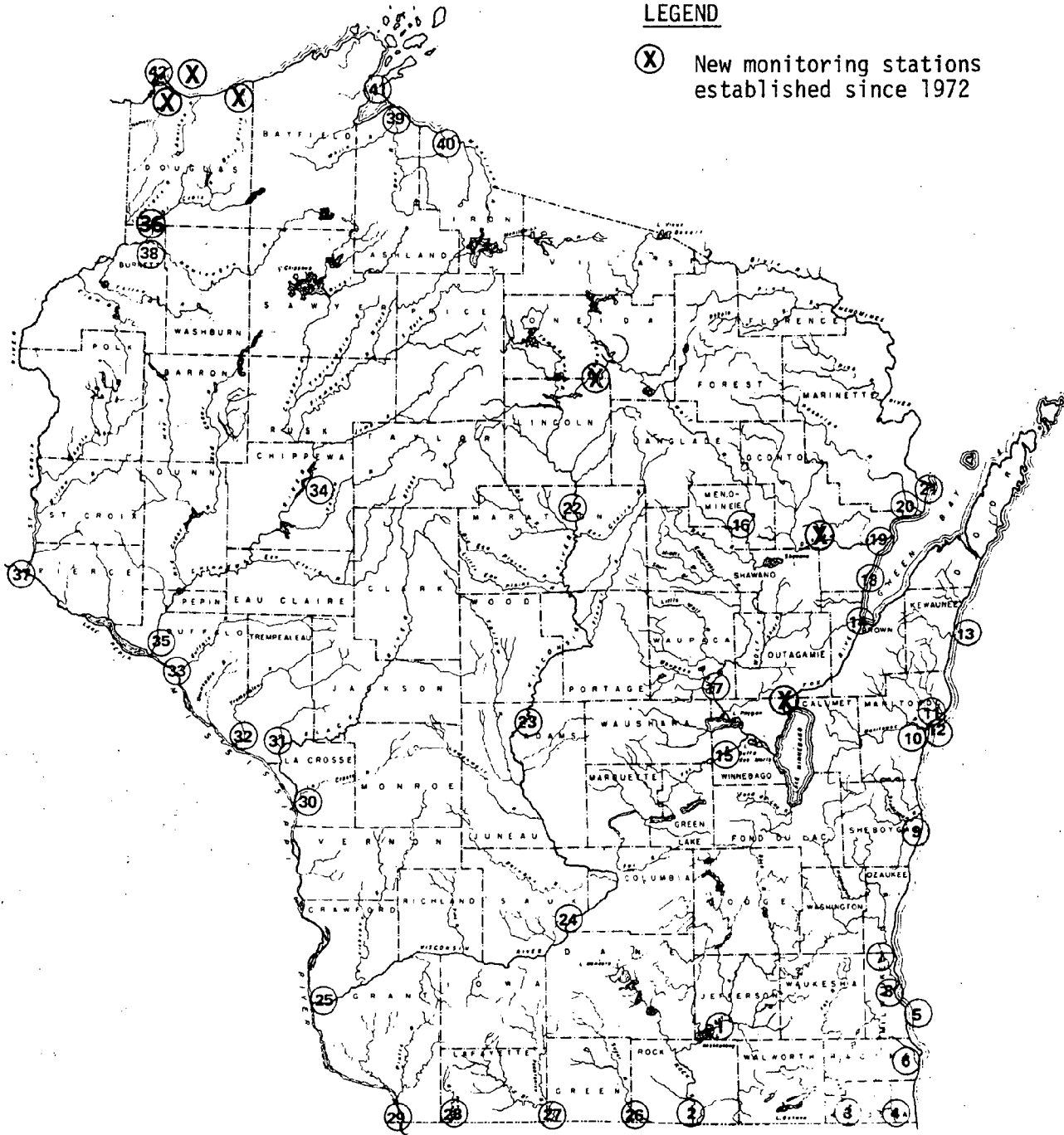
Waupaca

Winnebago

DNR SURFACE WATER QUALITY
MONITORING STATIONS

LEGEND

(X) New monitoring stations
established since 1972



Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Published Tabular and Mapped

Date of Collection: 1947 - present

Date of Publication: 1947 - present (see list)

Detail: Reports include key maps which show study areas and approximate location of pollution sources; scales vary. At least 5 water quality parameters are sampled at each site.

Aggregation: By river basin or combination of river basins. 28 drainage basins in Wisconsin are compiled in 25 basin reports. Larger river basins may be subdivided into lower and upper portions. Source data are in computer files, accessible by river basin, county, etc.

Quality: All water quality data is collected, analyzed and checked by professional staff.

Timeliness: Published studies updated irregularly, approximately every 4 years. Base data collected annually.

Sources: Monitoring by DNR district offices. Analysis by DNR and State Lab of Hygiene.

Textual Description: The Water Quality Investigation Surveys (also known as Drainage Basin Investigation Reports) contain documentations of surface water quality in Wisconsin. The reports include a brief textual description of the area, including topography, climate, population, etc. Another section deals with pollution sources. Also included is a description of each source and the pollutants it discharges. Tabular data on pollution sources are included and show location, type of waste, treatment process, estimated daily discharge of gallons of water, and pounds of 5-day BOD. A table showing BOD, temperature, pH, dissolved oxygen and fecal coliform count is included for each source. A final table showing station summaries for biological data is also included (location, possible sources of pollution, date collected, interpretation, etc.). Many reports are out of print and must be reproduced or viewed at DNR. Unpublished tabular data which are more detailed and/or more current is available from DNR.

Contact for Purchase:

Contact for Information:

Water Quality Evaluation
Section
Division of Environmental
Protection
Wisconsin Department of
Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221

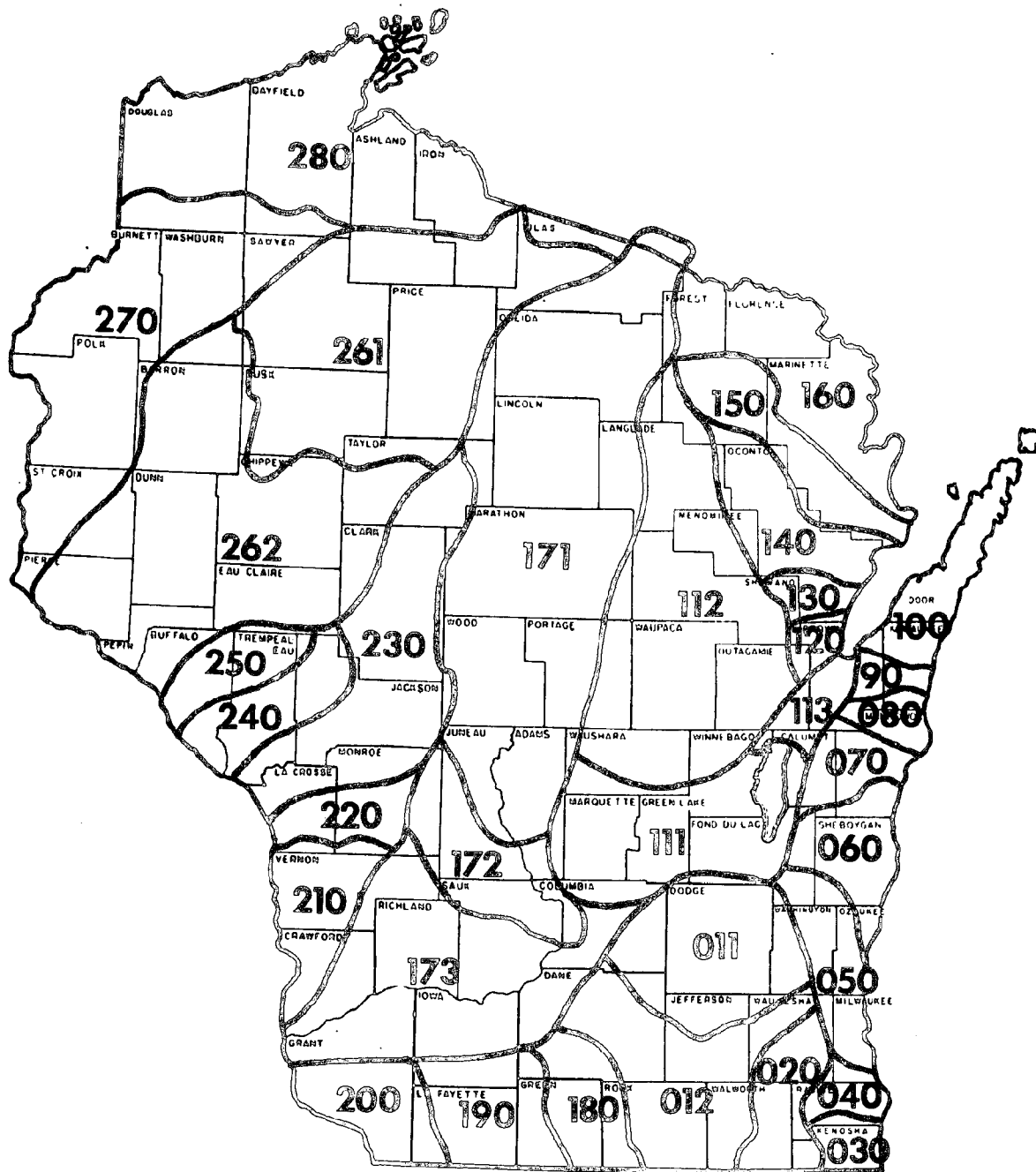
STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

DNR WATER QUALITY INVESTIGATION SURVEYS
1948 to 1974

<u>Drainage Basin No.</u> (See map)	<u>Drainage Basin Name</u>	<u>Survey Publication Dates</u>
011	Upper Rock River	10/49, 11/50, 3/69
012	Lower Rock River	11/51, 12/63, 2/71
	Yahara River	7/50
020	Fox River (Illinois)	1/55, 11/67, 5/72
030	Des Plaines River	1/55, 11/67
040	Root River	1/55, 3/54, 11/67
050	Milwaukee River in Milwaukee Co.	3/54, 5/69
050	Milwaukee River (Upper)	1/52, 1/68
060	Sheboygan River	10/51, 4/63, 9/70
070	Manitowoc River	10/50, 12/60, 4/69
080	Twin River	12/54, 6/65, 9/71
090	Kewaunee River	12/54, 6/65, 9/71
100	Door County	12/54, 11/65, 9/71
111	Upper Fox River	1/53, 11/67
112	Lower Fox River	12/48, 5/51, 3/57, 4/56
		11/58, 1/68, 12/54
	Little Lake Butte Des Morts	8/47
113	Wolf River	12/51, 8/64, 4/71
120	Duck Creek	10/53, 11/65, 9/71
130	Pensaukee River	10/53, 11/65, 9/71
140	Oconto River	10/53, 1/57, 3/62, 3/62, 4/69
150	Peshtigo River	10/53, 1/57, 3/62, 4/69
160	Menominee	10/53, 11/56, 3/62, 4/69
171	Upper Wisconsin River	11/50, 11/52, 11/53, 1/56, 1/57, 3/61, 6/64, 7/64, 7/70
172	Lower Wisconsin	3/55, 3/66, 12/72
173	Eau Pleine River	7/60
180	Sugar River	12/53, 5/64, 7/71
190	Pecatonica	2/56, 12/65, 6/71
200	Grant-Platte River	2/56, 3/65, 10/71
210	Bad Axe River	3/55, 5/65, 8/71
220	La Crosse River	10/52, 5/65, 10/71
230	Black River	2/52, 7/63, 1/69
240	Trempealeau River	10/52, 4/65, 1/72
250	Buffalo River	10/52, 4/65, 1/72
261	Chippewa River (Upper)	2/48, 10/52, 4/64, 4/64, 11/70
	Flambeau River	2/48, 7/50, 9/53
262	Chippewa River (Lower)	11/53, 4/64, 6/71
	Bear Creek	9/53
270	St. Croix River	10/54, 4/65, 9/72
	Namakagon River	10/49
280	Lake Superior	8/61, 4/66

DRAINAGE BASINS FOR DNR WATER QUALITY INVESTIGATION SURVEYS



WISCONSIN	State Planning Office
	Department of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUALITY
Section: Water Related Resources
Data type: Unpublished Tabular

Adams
Ashland
Barron
Bayfield

Date of Collection: 1966 - present

Date of Publication: Current files, publication forthcoming

Chippewa
Clark
Columbia

Detail: Each lake is sampled 4 times per year (at middle of each season). 14 water quality parameters are analyzed. Water samples are collected at several depths.

Dane
Dodge
Door
Douglas
Dunn
Eau Claire

Aggregation: Over 200 lakes throughout the state are currently being monitored (see map).

Forest

Quality: Some water quality parameters are analyzed in the field, some in the laboratory. All analytical techniques are performed according to standardized methodologies.

Green Lake
Iowa
Iron

Timeliness: The most comprehensive lake water quality data available on a statewide basis. More lakes will be monitored in the future.

Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee

Sources: DNR Research Section staff, District staff.

Monroe
Oconto
Oneida

Textual Description: The DNR Water Resources Research Section is collecting very detailed data on lakes which have unique characteristics, or have particular water quality problems, or have a potential for incurring problems in the near future. The observations and water quality parameters studied on each lake include climatic conditions (cloud cover, wind), biological conditions (plankton populations, aquatic plant distribution), and water quality at several depths (oxygen, temperature, pH, alkalinity, conductivity, nutrients, ions).

Ozaukee

After two or more years of data are collected, those lakes which do not show changes are dropped from the program and different lakes are monitored. A DNR publication, Water Quality of Selected Wisconsin Lakes, is forthcoming, and will present the data for 200 lakes. The DNR Research Section also monitors water quality in several streams where dams or proposed dams are located, as part of the same program.

Polk
Portage
Price
Racine

Rock

St. Croix
Sauk
Sawyer
Shawano
Sheboygan

Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca

Winnebago
Wood

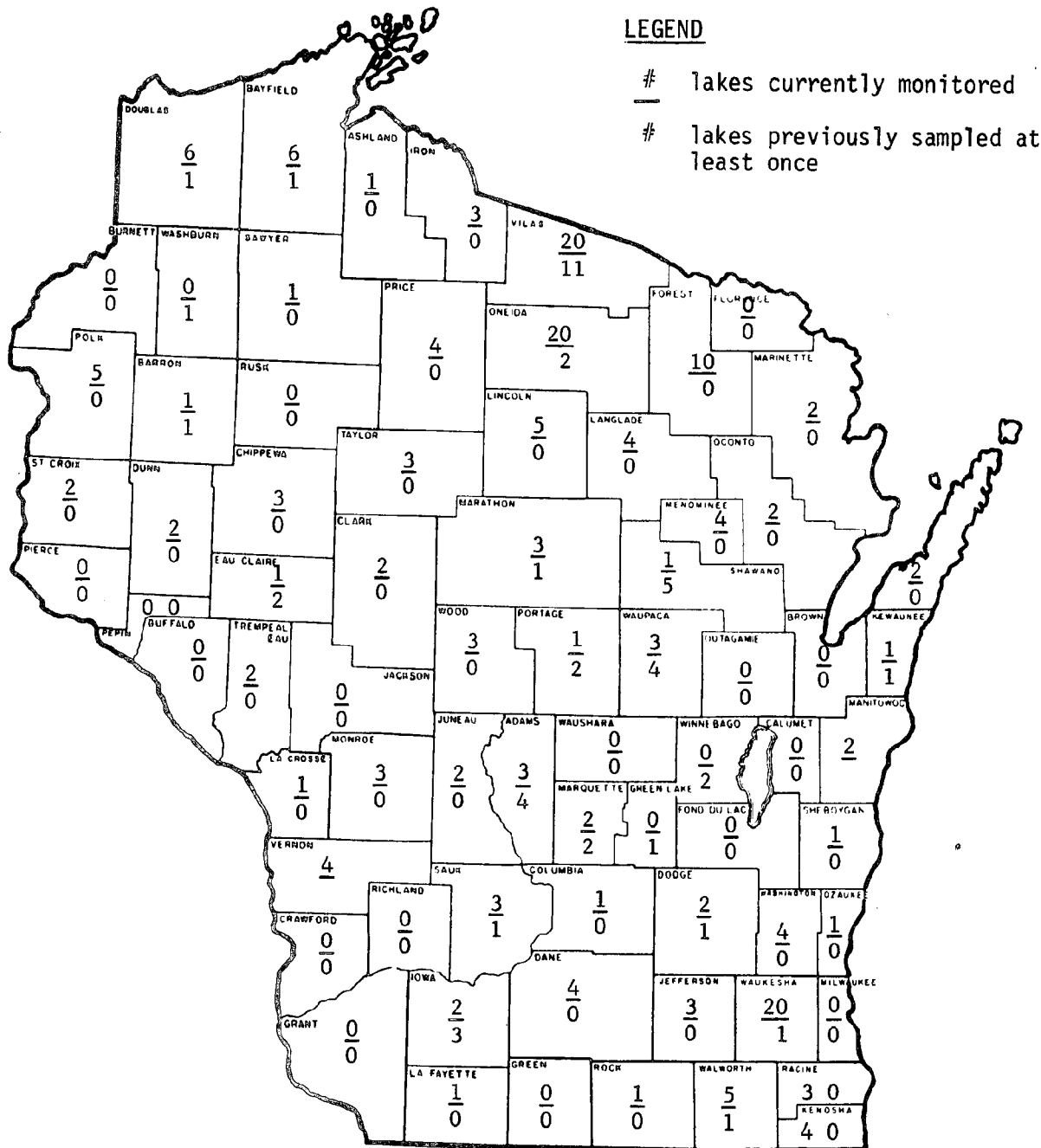
Contact for Purchase:

Contact for Information:

Water Resources Research
Section
Department of Natural
Resources
3911 Fish Hatchery Road
Madison, Wisconsin 53711
(608) 266-3237

DNR LAKE WATER QUALITY MONITORING

1975



WISCONSIN State Planning Office
Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Published and Unpublished tabular

Date of Collection: Varies; up to 10-20 years ago through 1973.

Date of Publication: Forthcoming publication.

Detail: Includes information on all lakes greater than 100 acres in area (approx. 1150 lakes). Information collected on thermal stratification, lake type, oxygen and general water quality, lake uses, sources of pollution, etc.

Aggregation: Statewide coverage. Information is stored on punched cards. Forthcoming publication will aggregate lakes by county and by trophic status.

Quality: Information is based on an assessment of field data. Report does not contain actual data. The most extensive classification of lakes made in Wisconsin.

Timeliness: Variable

Sources: DNR district staff and DNR Bureau of Research.

Textual Description: The UW-Madison Water Resources Center collected information on the lakes in Wisconsin in order to develop a workable classification for the trophic conditions of lakes. A data form was sent to DNR staff and various types of information were documented for all lakes over 100 acres in size (dissolved oxygen at the bottom of the lake, etc.). A forthcoming report, by P.D. Uttormark and J.P. Wall, "Lake Classification--a Trophic Characterization of Wisconsin Lakes", U.S. E.P.A., documents the results of the study. A series of summaries are presented in the report (trophic status of lakes according to size, location, etc.) and a listing of lakes by county is included along with a ranking of trophic status (lake condition index). A general description of lake classification systems is also included.

Contact for Purchase:

Contact for Information:

Water Resources Center
Publications
University of Wisconsin-Madison
232 Elm Drive C
Madison, Wisconsin 53706
(608) 262-3577

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: SURFACE WATER QUALITY

Section: Water Related Resources

Data type: Unpublished Tabular

Ashland

Bayfield

Date of Collection: 1969 - present. Approximately 1 month lag between collection and retrieval of data from computer files.

Date of Publication: Current files

Detail: Approximately 75 lake stations and 75 stream stations in National Forests are monitored for up to 60 water quality parameters.

Aggregation: All stations are in Chequamegon and Nicolet National Forests. Data are stored on STORET computer files.

Florence

Forest

Quality: All analyses are made using standardized methodologies.

Timeliness: Most stations are monitored monthly.

Sources: USDA-Forest Service field personnel and USDA-Forest Service Regional Water Quality Laboratory.

Langlade

Textual Description: The USDA-Forest Service monitors water quality in lakes and streams throughout the Nicolet and Chequamegon National Forests in Wisconsin. Some 50-60 different parameters are monitored at various stations - they include: physical parameters (temperature flow rate, turbidity, etc), chemical parameters (ions, nutrients, heavy metals, herbicides), and biological parameters (coliform, primary productivity).

Oconto
Oneida

The data is stored on the Federal STORET water quality information system, and can be retrieved in a variety of forms.

Contact the Forest Supervisor of the specific Forest for general information, and contact the Regional Office for specific data.

Price

Sawyer

Contact for Purchase:

Contact for Information:

Taylor

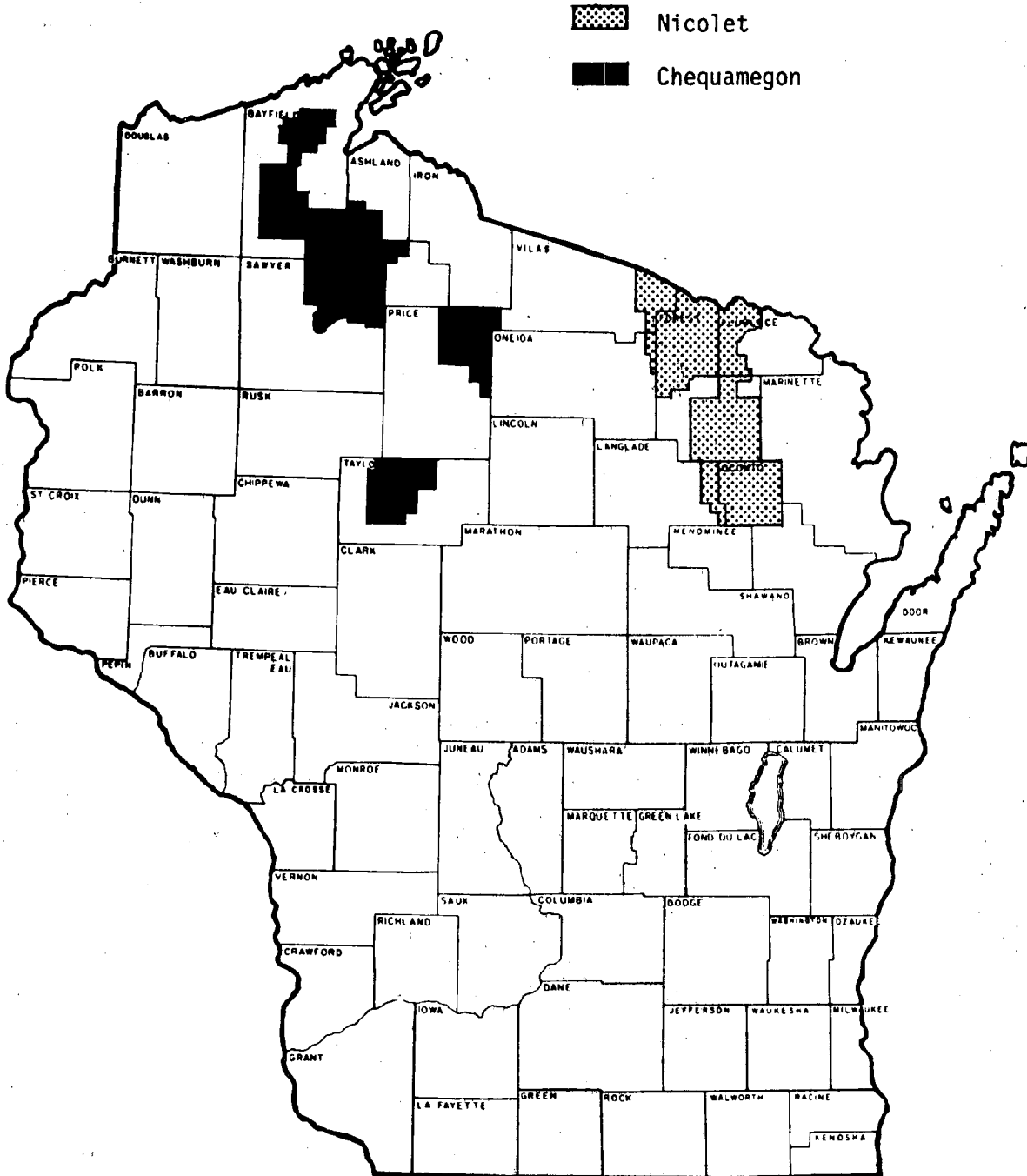
Group Leader-Water Quality
USDA Forest Service Regional
Office

Vilas

Forest Hydrologist
Nicolet National Forest
Federal Building
Rhineland, WI 54501 or
(715) 362-3415

633 West Wisconsin Avenue
Milwaukee, Wisconsin 53203
(414) 224-3662
Forest Hydrologist
Chequamegon National Forest
Federal Building
Park Falls, Wisconsin 54552
(715) 726-3252

NICOLET AND CHEQUAMEGON NATIONAL FORESTS



WISCONSIN	State Planning Office
	Department Of Administration

WISCONSIN'S LAKE SUPERIOR BASIN WATER
QUALITY STUDY

Subsection: SURFACE WATER QUALITY
Section: Water Related Resources
Data type: Published Tabular

Ashland

Bayfield

Date of Collection: 1972 and 1973

Date of Publication: 1973; addendum for 1973 data published in 1974.

Detail: 37 sampling sites within 20 drainage basins. There were 4 physical measurements and 7 chemical measurements made at each site. Additional chemical measurements taken in 1973 in western basins.

Douglas

Aggregation: Information organized by reporting station and drainage basin. Approximately 85% of the Wisconsin Lake Superior drainage area was sampled to some extent. Key maps show the approximate locations of the sampling sites. Exact locations are described in text.

Quality: The most comprehensive sampling program undertaken for this area. Some of the data may be of limited usefulness due to limited number of measurements and limited time span.

Iron

Timeliness:

Sources: The Center for Lake Superior Environmental Studies, UW-Superior; the Sigurd Olson Institute of Environmental Studies, Northland College; Northwestern Wisconsin Regional Planning and Development Commission, USGS; DNR.

Textual Description: The Wisconsin's Lake Superior Basin Water Quality Study contains data on water quality for the 20 largest drainage basins in Wisconsin entering Lake Superior. The 37 monitoring stations were sampled for stream velocity, channel cross sectional area, stream discharge, temperature, pH, dissolved oxygen, dissolved oxygen saturation, coliform count, chemical oxygen demand, total phosphates, and nitrates. All sampling took place during the May-November 1972 and 1973 field seasons. The information is aggregated by drainage basin, sampling site and sampling parameter. An extensive textual description accompanies the data. The study was conducted under the auspices of the Title I, Higher Education Act of 1965.

Contact for Purchase:

Contact for Information:

The Center for Lake Superior
Environmental Studies
University of Wisconsin,
Superior

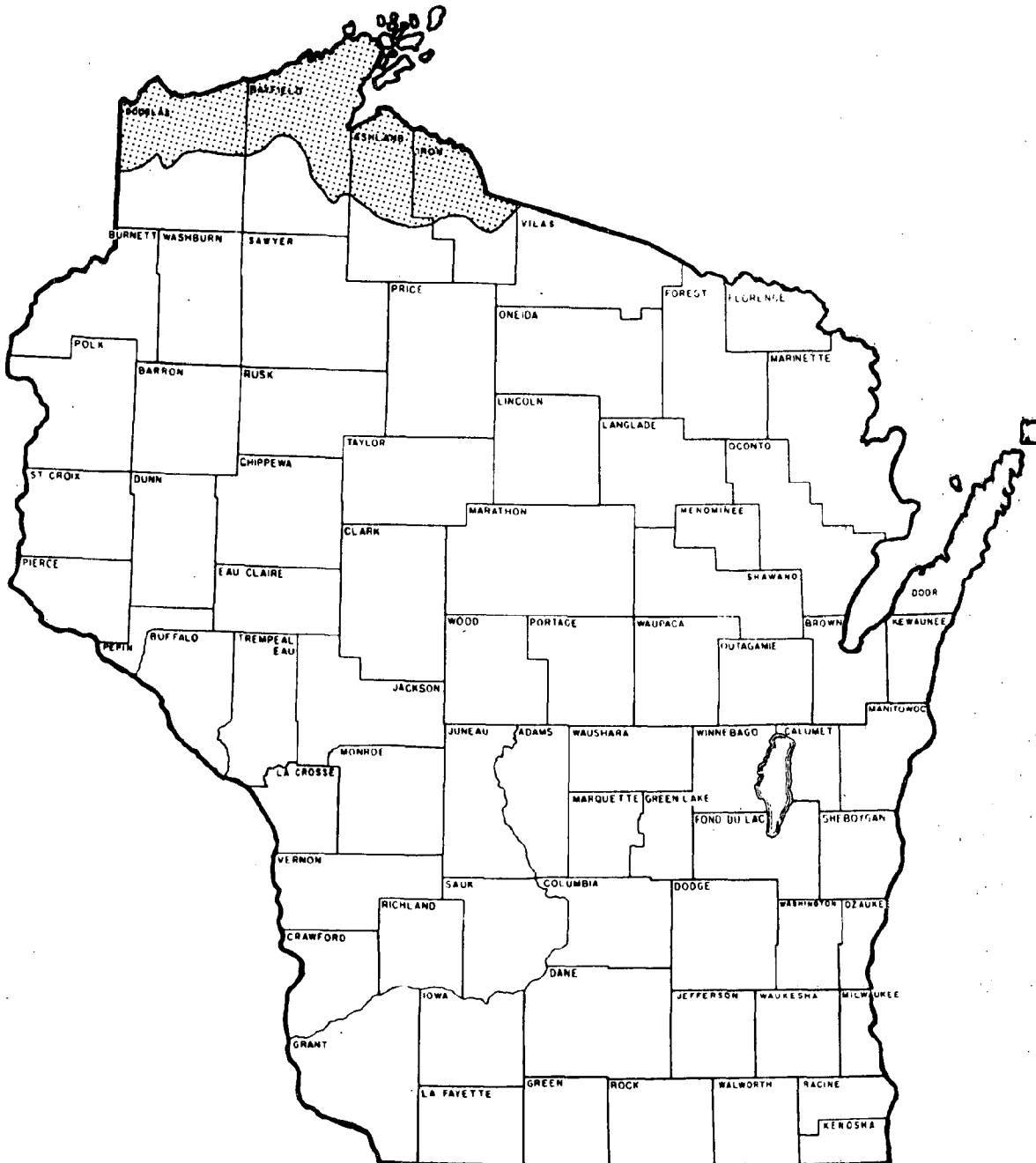
Superior, Wisconsin
(715) 398-5591

or
The Sigurd Olson Institute of
Environmental Studies

Northland College
Ashland, Wisconsin
(715) 682-4531

Ext. 292 or 293

WISCONSIN'S LAKE SUPERIOR BASIN WATER QUALITY STUDY
(Lake Superior drainage basin)



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: SURFACE WATER QUALITY
Section: Water Resources
Data type: Published Tabular

Date of Collection: 1967 - 1969

Date of Publication: 1970

Detail: Monitoring was done for 17 water quality parameters. The frequency of monitoring varied from monthly to semiannual sampling.

Aggregation: 107 sampling stations located in 9 counties. The report may be available from East Central Wisconsin RPC or North Central Wisconsin RPC.

Florence
Forest

Quality: Sampling performed by qualified technicians using standardized procedures.

Timeliness: Out of date--program was abandoned when the Regional Planning Commission disbanded.

Sources: Northeastern Wisconsin Regional Planning Commission, DNR.

Langlade

Textual Description: The Northeastern Wisconsin Regional Planning Commission initiated a water quality and stream flow sampling program in 1967. This program monitored for alkalinity, chloride, coliform, color, dissolved oxygen, pH, phosphorus, sulfates, temperature, etc. The results of this monitoring program are presented in tabular form for each monitoring station. A map of the station locations and site descriptions is included. Graphs are included for all stations that are monitored monthly. Basic climatological and streamflow data are also included. A textual description accompanies the data.

Menominee

Outagamie

Shawano

Contact for Purchase:

Contact for Information:

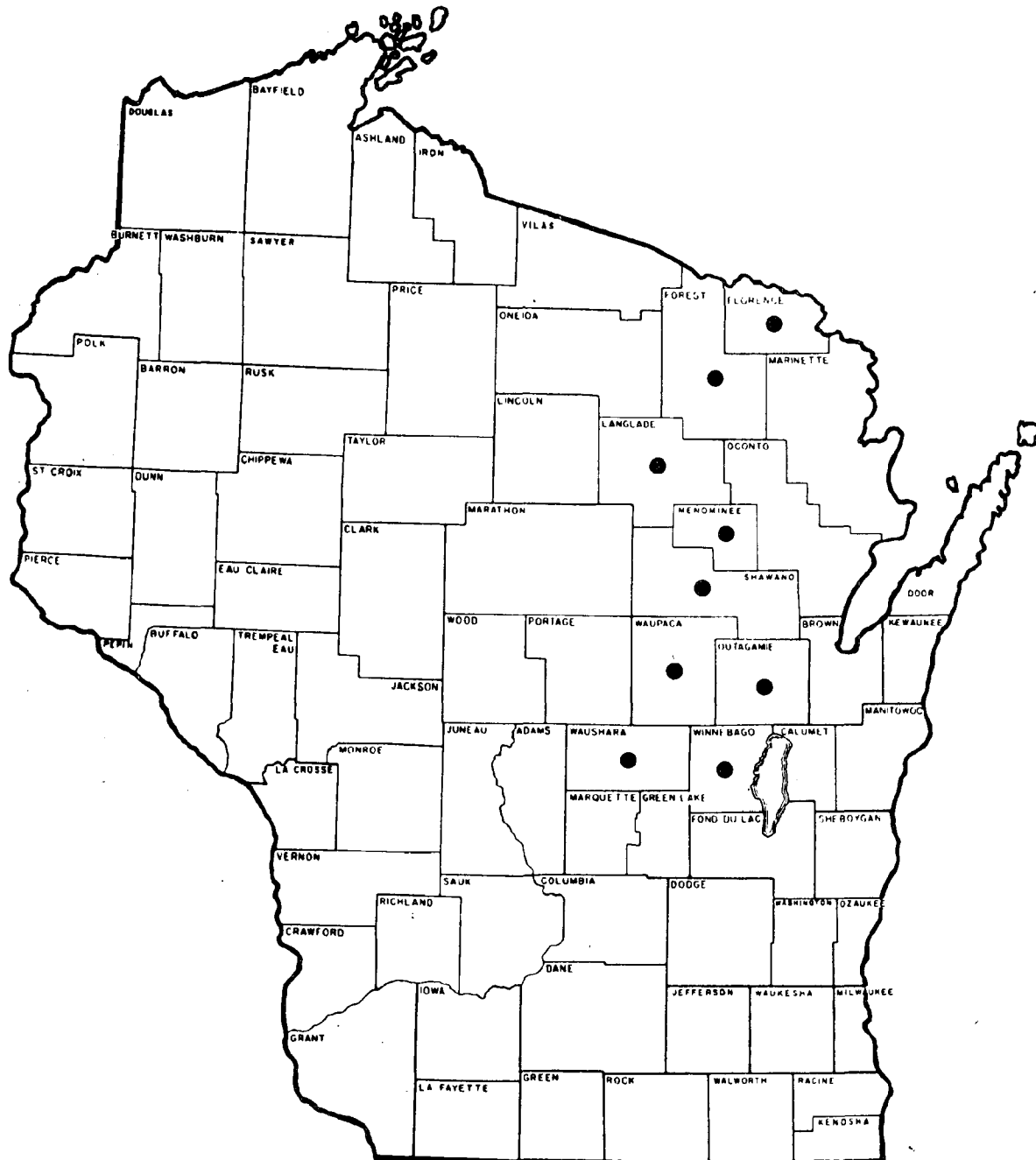
East Central Wisconsin Regional Planning Comm.
1919 North Lake Street
Neenah, Wis. 54956
(414) 739-6156

or

North Central Wisconsin Regional Planning Comm.
Park Service Center
Univ. of Wisconsin-Stevens Point
Stevens Point, Wisconsin 54481
(715) 346-3311

Waupaca
Waushara
Winnebago

WATER QUALITY AND FLOW OF STREAMS
IN NORTHEASTERN WISCONSIN



WISCONSIN	State Planning Office Department Of Administration
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1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GROUND WATER QUANTITY

Section: Water Related Resources

Data type: Published and unpublished tabular

Date of Collection: 1946 - present

Date of Publication: 1964, 1967, 1969, 1972, 1973

Detail: 210 observation wells in the principal aquifers of the state are presently being monitored (see map). Most wells are monitored monthly; some are monitored quarterly, weekly or continuously. The 1972 publication contains data on 204 wells in 67 counties.

Aggregation: Statewide publications indicate water level variations for each observation well in state, organized by county.

Quality: The best and most comprehensive ground water monitoring program in the state.

Timeliness: Published data through 1971; more recent data is available but not yet published.

Sources: USGS, WGNHS

Textual Description: Ground water levels data are collected in order to determine short range changes and long range trends in water levels in wells. This data can then be related to changes in ground water storage which is necessary for management of the resource. Ground water levels data are published periodically as a WGNHS Information Circular, Trends in Ground Water Levels in Wisconsin. The most recent edition covers the period from 1967-1971. It describes, by hydrographs, the ground water level trends in each observation well over the period of record. All current observation wells with more than 3 years of record are included. The earlier edition, which includes all data through 1966, contains a detailed textual description of the various aquifers in the state and the factors affecting the fluctuation of ground water levels. More recent data are stored in computer files and can be made available on request from the USGS Water Resources Division.

Contact for Purchase:

Wisconsin Geological and Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Contact for Information:

Water Resources Division
U.S. Geological Survey
(608) 262-2488
or Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas

Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa

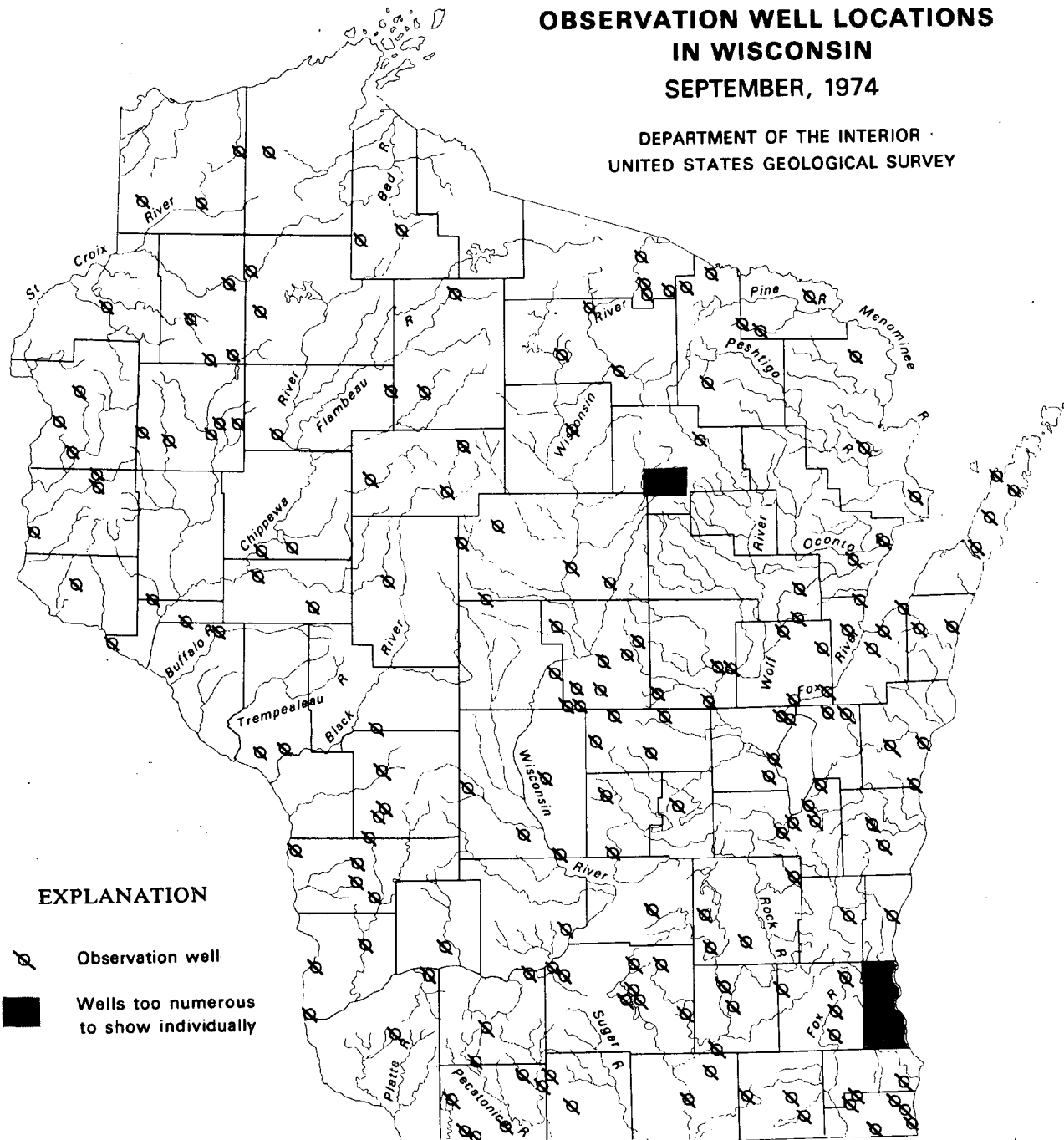
Jackson
Jefferson
Juneau
Kenosha
Kewaunee

Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette

Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

OBSERVATION WELL LOCATIONS IN WISCONSIN SEPTEMBER, 1974

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



EXPLANATION

-  Observation well
-  Wells too numerous to show individually

in cooperation with:
Wisconsin Geological and Natural History Survey

Subsection: GROUND WATER QUANTITY

Section: Water Related Resources

Data type: Published mapped and tabular

Date of Collection: 1950 - present

Brown

Date of Publication: 1953 - 1974. See following chart.

Clark

Detail: Map scales vary from 1:62,500 to 1:253,440 (see chart). Contour intervals on piezometric and groundwater availability maps vary from 20 to 100 feet. Textual descriptions, analyses, and various geologic maps are usually included.

Dane

Aggregation: Published reports (USGS Water Supply Papers), covering individual counties or other areas (see map). Reports include maps, tables and textual description.

Florence
Fond du Lac
Forest

Quality: Usually the most detailed published information available.
Quality varies with map scales and detail of the studies.

Timeliness: Earlier studies may be slightly out of date, although the information is usually not subject to significant changes.

Jackson

Juneau
Kenosha

Sources: USGS Water Resources Division, water well observations, various geologic information.

Lincoln

Textual Description: The USGS Water Resources Division collects, compiles and publishes information on hydrogeologic characteristics of selected counties and other areas. The following types of information are usually compiled and mapped for publication in the USGS Water Supply Paper series: piezometric surface maps (also water table configuration maps), ground water availability maps, specific conductance maps, water well locations maps, and various geologic maps (bedrock type and thickness maps, surficial deposits maps etc.). The following chart describes the date of publication, detail, aggregation and other information about each published report. Many of these publications are available for purchase from WGNHS.

Marathon
Marinette

Milwaukee

Outagamie

Portage

Racine

Rock

Contact for Purchase:

Wisconsin Geologic and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

Taylor

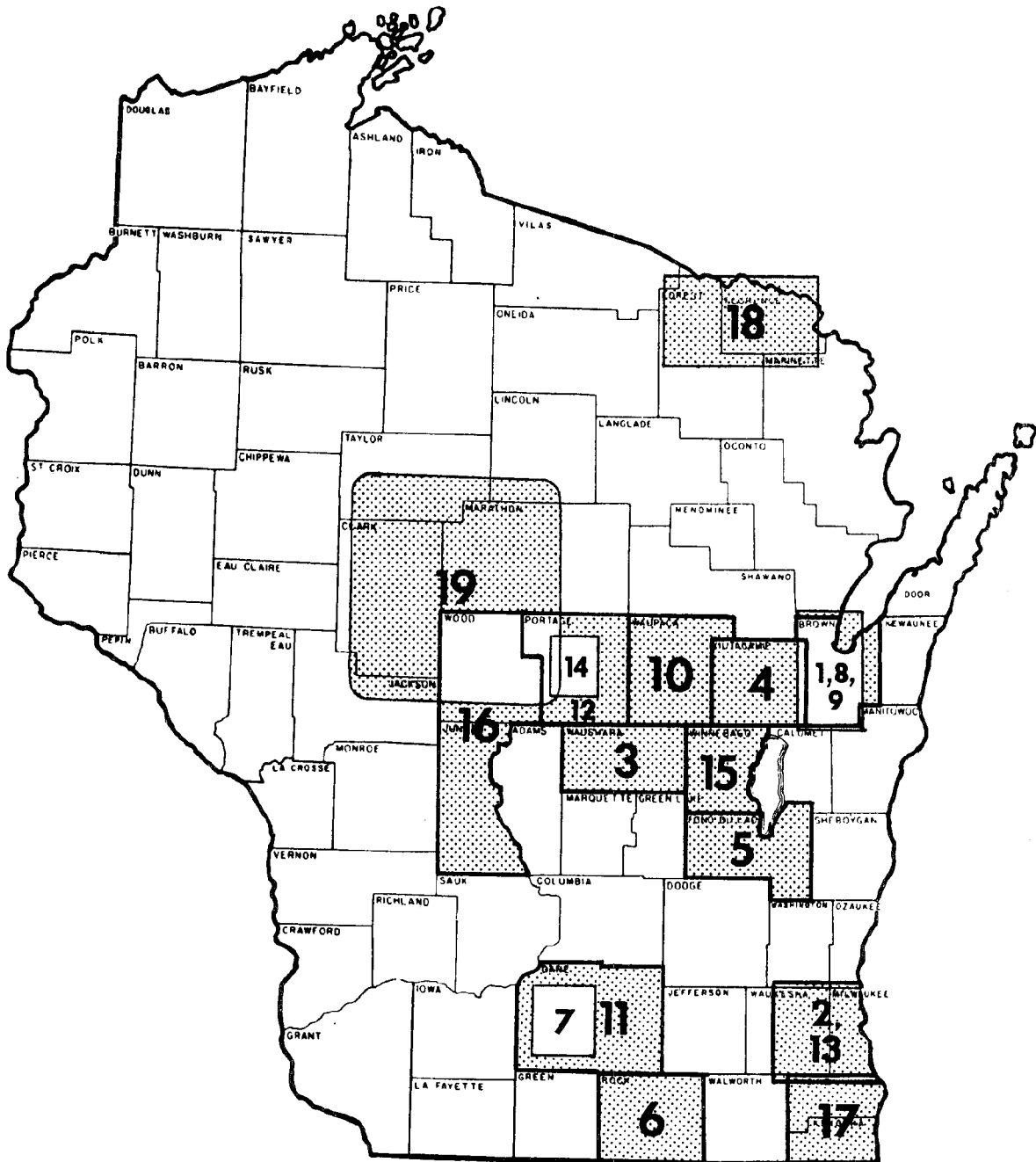
Waukesha
Waupaca
Waushara
Winnebago
Wood

USGS HYDROGEOLOGIC INVESTIGATIONS

	<u>Date of Publication</u>	<u>Detail</u>	<u>Aggregation</u>	<u>Remarks</u>
1) Groundwater Conditions in Artesian Aquifers in Brown County, Wisconsin W.J. Drescher; USGS WSP-1190	1953	1:253,440 (1" = 4 mi.) Piezometric surface	County map	Contact USGS for information
2) Groundwater Conditions in the Milwaukee-Waukesha Area, Wisconsin F.C. Foley, et al; USGS WSP-1229	1953	1:253,440 (1" = 4 mi.) Well locations, 2 maps of piezometric surface (September, May)	2 Maps	Other geologic maps included. Contact USGS for information
3) Geology and Groundwater Resources of Waushara County, Wisconsin W.K. Summers; USGS WSP-1809-B	1957	1:62,500 Water table configuration (contour interval = 20 ft.); well locations	Several county maps	Other geologic maps included. Contact USGS for information.
4) Geology and Groundwater Resources of Outagamie County, Wisconsin E.F. LeRoux; USGS WSP-1421	1957	1:84,460 (3/4" = 1 mi.) Well locations, piezometric surface 1954 (contour interval = 20 ft.)	Several county maps	Other geologic maps included. Contact USGS for information.
5) Geology and Groundwater Resources of Fond du Lac County, Wisconsin T.C. Newport; USGS WSP-1604	1962	Well locations and test holes; piezometric surface	County maps	Other geologic maps included. Contact USGS for information.
6) Geology and Groundwater Resources of Rock County, Wisconsin E.F. LeRoux; USGS WSP-1619-X	1963	1:63,360 Piezometric surface 1958	County maps	Other geologic maps included. Contact USGS for information.
7) Hydrology of the Upper Black Earth Creek Basin, Wisconsin D.R. Cline; USGS WSP-1669-C	1963	1:62,500 Piezometric surface 1958	Area map	Contact USGS for information.
8) Water Resources of the Green Bay Area, Wisconsin D.C. Knowles, et al; USGS WSP-1499-G	1964	Piezometric surface (contour interval = 30 ft.), well locations	Single map	Contact USGS for information.
9) Groundwater conditions in the Green Bay Area, Wisconsin 1950-60 D.B. Knowles; USGS WSP-1669-J	1964	1:62,500 Piezometric surface (1957, 1958, 1960), well locations, rises in water level 1957-60	Several area maps	Contact USGS for information.
10) Groundwater Resources of Waupaca County, Wisconsin C.F. Berkstresser, Jr.; USGS WSP-1669-U	1964	1:62,500 Piezometric surface 1958-9 (contour intervals = 20 ft.)	County map	Other geologic maps included. Contact USGS for information
11) Geology and Groundwater Resources of Dane County, Wisconsin D.R. Cline, USGS WSP-1779-U	1965	1:250,000 Water wells, piezometric surface 1960	County maps	Other geologic maps included. Contact USGS for information
12) Geology and Water Resources of Portage County, Wisconsin C.L.R. Holt, Jr.; USGS WSP-1796	1965	Water table configuration 1954	County map	Other geologic maps included. Contact USGS for information
13) Groundwater Pumpage and Water Level Changes in the Milwaukee-Waukesha Area, Wisconsin, 1950-61 J.H. Green and R.D. Hutchinson; USGS WSP-1809-I	1965	1:250,000 Piezometric surface maps of 2 aquifers	2 area maps	Contact USGS for information
14) Hydrology of the Little Plover River Basin, Portage County, Wisconsin E.P. Weeks, et al; USGS WSP-1811	1965	Well locations, aquifer thickness, water table configuration maps	Several area	Contact USGS for information
15) Geology and Water Resources of Winnebago County, Wisconsin P.G. Olcott; USGS WSP-1814	1966	1:62,500 Piezometric surface map	County maps	Other geologic maps included. Contact USGS for information
16) Water for Cranberry Culture in the Cranmoor Area of Central Wisconsin L.J. Hamilton; USGS WSP-1999-I	1971	1:62,500 Water table configuration 1966	Area Maps	Other geologic maps included. Contact USGS for information
17) Groundwater Resources of Racine and Kenosha Counties, Wisconsin R.D. Hutchinson; USGS WSP-1878	1970	1:125,000 3 Piezometric surface maps (of 3 aquifers)	2-County maps	Other geologic maps included. Contact USGS for information
18) The Pine-Popple River Basin-Hydrology of a Wild River Area, Northeastern Wisconsin E. Oakes, et al; USGS WSP-2006	1973	1:125,000 Groundwater availability, and specific conductance maps	Area maps	Other geologic maps included. Contact USGS for information
19) Water Availability in Central Wisconsin--an Area of Near-Surface Crystalline Rock E.A. Bell & M.G. Sherrill; USGS WSP-2022	1974	1:125,000 Water table configuration, groundwater availability maps	Area maps	Other geologic maps included. Contact USGS for information

USGS HYDROGEOLOGIC INVESTIGATIONS

(See accompanying list of sources)



WISCONSIN	State Planning Office
	Department Of Administration

1975

WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: GROUND WATER QUALITY

Section: Water Related Resources

Data type: Published and unpublished tabular

Date of Collection: Ongoing program

Date of Publication: 1973

Detail: 167 wells and 27 springs are presently monitored in the ground water quality program (see map). The 1973 publication includes data from several hundred monitoring sites; the data was compiled from over 30 technical reports and monitoring programs.

Aggregation: By county and by well location identification number.

Quality:

Timeliness: Published data through 1972; more recent data is available but is not yet published.

Sources: USGS, WGNHS, DNR

Textual Description: The continuing USGS ground water quality monitoring program includes analyses of common ions and those physical parameters necessary to classify the general water characteristics.

The 1973 publication Ground Water Quality in Wisconsin Through 1972 (WGNHS Information Circular No. 22) is available for purchase and contains the following information for each well monitored: well location, identification number, owner of well, type of aquifer, date of analysis, ions and other parameters (pH, hardness) in the water. A textual description and bibliography is also included which provides a background and analysis of the subject.

Additional data related to ground water quality such as geology, water temperature, heavy metals, etc. are stored in computer files and are available on request from the USGS Water Resources Division.

Contact for Purchase:

Wisconsin Geological and Natural
History Survey
Map Sales Office
1815 University Avenue
Madison, Wisconsin 53706
(608) 266-1705

Contact for Information:

Water Resources Division
U.S. Geological Survey
(608) 262-2488
or Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706

Adams
Ashland
Barron
Bayfield
Brown
Buffalo

Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn

Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette

Milwaukee

Oneida

Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk

Sauk
Sawyer

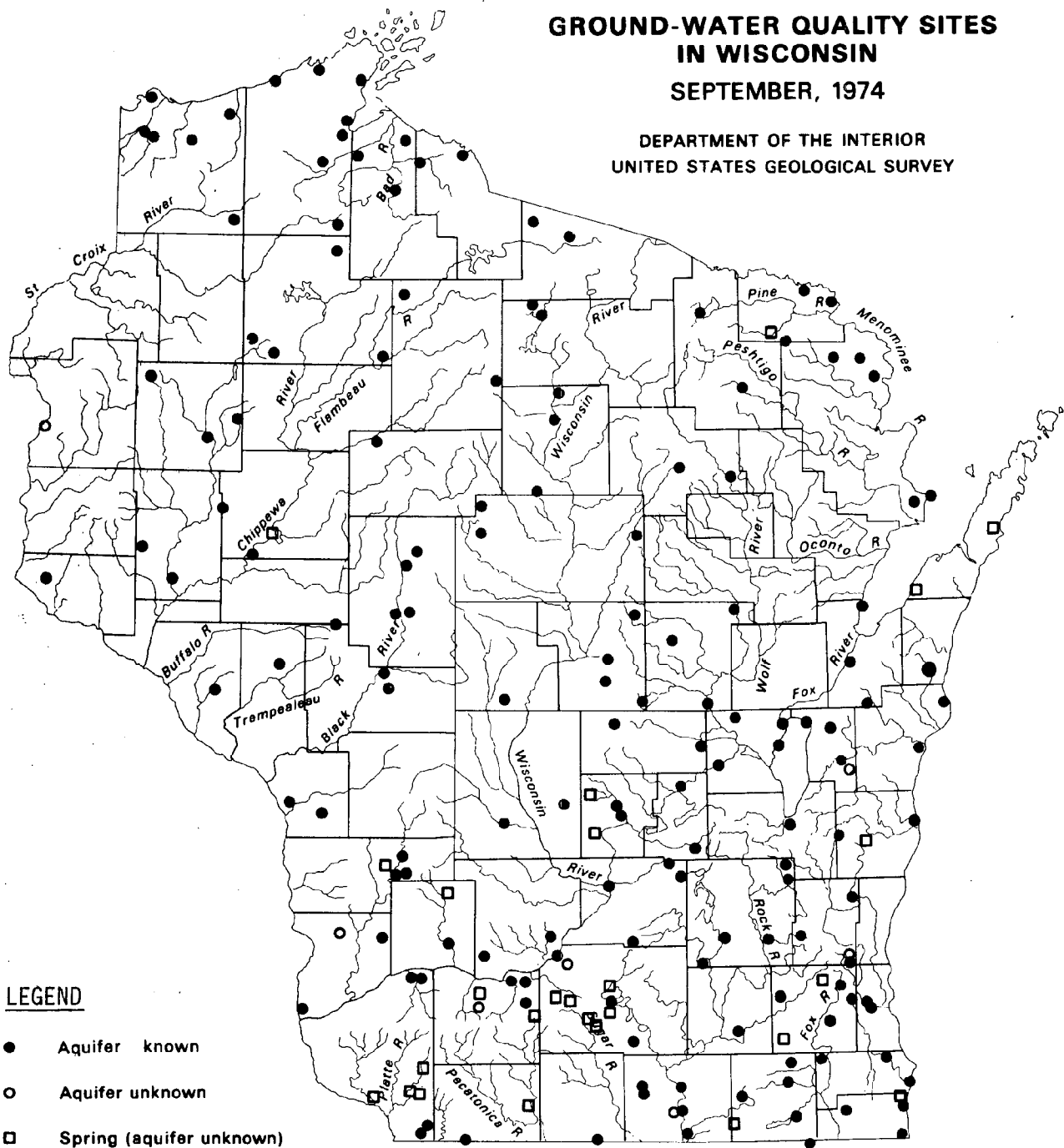
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth

Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

GROUND-WATER QUALITY SITES IN WISCONSIN

SEPTEMBER, 1974

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



LEGEND

- Aquifer known
- Aquifer unknown
- Spring (aquifer unknown)

in cooperation with:
Wisconsin Geological and Natural History Survey

Subsection: GROUND WATER QUALITY

Section: Water Related Resources

Data type: Unpublished Tabular

Ashland

Bayfield

Date of Collection: 1971 - present

Date of Publication: Current files

Detail: Approximately 50 water supply wells in the National Forests are monitored for up to 60 water quality parameters.

Aggregation: All stations are in Chequamegon and Nicolet National Forests. Data are stored on STORET computer files.

Florence

Forest

Quality: All analyses are made using standardized methodologies.

Timeliness: Stations are monitored on a 3 year cycle for chemical analysis, and monthly for bacterial analysis.

Sources: USDA-Forest Service field personnel, USDA-Forest Service Regional Water Quality Laboratory.

Langlade

Textual Description: The USDA-Forest Service monitors water quality in all wells used for drinking water in the National Forests. Some 50-60 different parameters are monitored at these wells - they include: physical parameters (conductivity, temperature, pH, etc), chemical parameters (ions, nutrients, heavy metals, herbicides), and biological parameters (coliforms). Water levels are periodically measured, and a well log, developed from the drilling cores, is on file for each well.

Oconto
Oneida

The water quality data is stored on the Federal STORET water quality information system, and can be retrieved in a variety of forms.

Price

Sawyer

Contact for Purchase:

Forest Hydrologist or
Nicolet National Forest
Federal Building
Rhinelander, WI 54501
(715) 362-3415

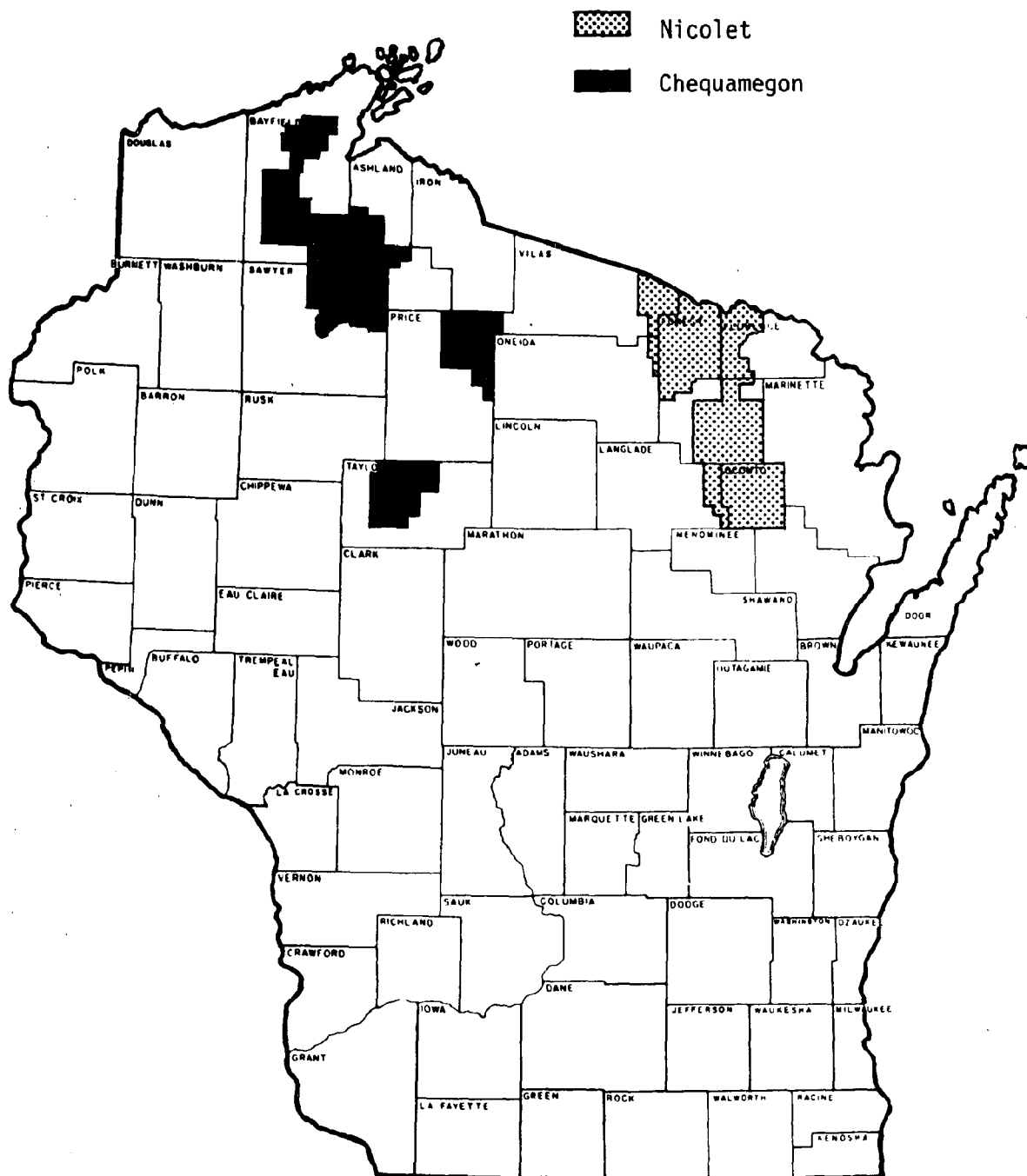
Contact for Information:

Group Leader-Water Quality
USDA-Forest Service Regional
Office
633 West Wisconsin Avenue
Milwaukee, Wisconsin 53203
(414) 244-3662 or
Forest Hydrologist
Chequamegon National Forest
Federal Building
Park Falls, Wisconsin 54552
(715) 726-3252

Taylor

Vilas

NICOLET AND CHEQUAMEGON NATIONAL FORESTS



WISCONSIN State Planning Office
Department Of Administration

Subsection: WATER USE

Section: Water Related Resources

Data type: Unpublished Tabular

Date of Collection: 1973 - present. Reports due March 1 each year.

Date of Publication: Approximately 6 month lag between collection and processing of data.

Detail: Effluent data submitted by industrial firms indicate the maximum annual discharges of water quality parameters (up to 39 parameters).

Aggregation: Data for approximately 1,000 industrial facilities throughout state. Organized by file number, which includes county code. Computerized information is accessible by state, county, municipality, DNR District, Standard Industrial Code (SIC), etc.

Quality: 1974 data are more complete than 1973. Most (80%) of the monitoring is done by private engineering consultants.

Timeliness: Current information

Sources: Industrial self-monitoring, DNR field monitoring.

Textual Description: The DNR Bureau of Water Quality maintains an industrial wastewater self-monitoring program under the provisions of Chapter NR101 of the Natural Resources Administrative Code. All industries which are required to comply with the program must file an annual report documenting its peak annual discharges of any of 39 water quality parameters. The report includes a map of discharge outfall sites, raw materials used, outfall flow data, and individual parameter discharges. The information is stored by industrial facility location in computer files. The parameters inventoried include metals, salts, oils, nitrogen forms, sulfur forms, 5-day BOD, suspended solids, thermal BTU, etc.

The data can be analyzed using 30 computer programs which allow for analysis by state totals, county, SIC code, river basins, etc. This allows for detailed knowledge of the sources of water pollution parameters and any trends occurring within a geographical or political area.

Contact for Purchase:

Contact for Information:

Bureau of Water Quality -
Surveillance Section
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: WATER USE

Section: Water Related Resources

Data type: Unpublished tabular

Date of Collection: 1974 - present

Date of Publication: Current files

Detail: Industrial wastewater quality data is monitored at more than 700 industrial facilities (often at several outfalls per facility). Water quality standards, monitoring procedures, and parameters vary for each facility.

Aggregation: Statewide coverage of all industrial facilities which discharge effluents into waters. Monitoring data and permit information is filed alphabetically by name of industry or parent company. Data will eventually be retrievable from computer files in many formats.

Quality: Water quality data and related information is supplied by the industry, using standardized methodologies.

Timeliness: Water quality data is sampled monthly, weekly, or daily, depending on the parameter and the facility. Reports are sent to DNR either quarterly or monthly.

Sources: Industry personnel or private engineering consultants.

Textual Description: All industrial facilities which discharge effluents into Wisconsin waters are required to comply with the Wisconsin Pollutant Discharge Elimination System, as stated in the Natural Resources Administrative Code, Chapter NR102-104 and NR210-299.

Every industry is required to obtain a permit and follow a specific compliance schedule for pollution abatement if the wastewater exceeds the allowed water quality standard. The DNR permit files contain all water quality monitoring data supplied by the industry, the water quality standards for the specific facility, and all correspondence with the industry. The DNR status reports (computer listings) contain information on the facility location, the receiving water, SIC code, and the various dates which pertain to the pollution abatement compliance schedule. The water quality monitoring is done before the effluent leaves the property of the facility. In all, there are some 50-100 water quality parameters which are sampled at the various industrial facilities.

Contact for Purchase:

Contact for Information:

Industrial Wastewater Section
Bureau of Water Quality
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: WATER USESection: Water Related ResourcesData type: Unpublished TabularDate of Collection: Plans 1956 - present; Permits 1973 - present; Water quality and flow monitoring 1973 - present.Date of Publication: Current filesDetail: There are approximately 550 municipal and private sewage treatment facilities in the state. Four to five water quality and flow parameters are analyzed monthly for small facilities, and daily for large facilities.Aggregation: Construction plans for every new facility since 1956 are filed on microfilm. Individual files for water quality, flow data and background information are maintained for each facility.Quality: Construction plans are prepared by professional engineers and submitted to the DNR for review and approval. Water quality analyses are performed by operators of municipal and private facilities (analysis techniques and accuracy may vary slightly for different facilities).Timeliness: Analyzed data are submitted to DNR at the end of each month. This is the most current data available for domestic waste water quality.Sources: Municipal and private domestic waste water facilities operators' reports; periodic compliance monitoring by DNR staff.Textual Description: The DNR Bureau of Water Quality reviews the construction and operation of domestic waste water treatment facilities. Through Chapters NR108 and NR110 of the Wis. Admin. Code, the DNR sets requirements for construction plans and approves all plans. Chapters NR102 and NR200-299 establish effluent limitations and monitoring requirements for the Wis. Pollution Discharge Elimination System (WPDES). Construction plans show the location, size and length of sewers, and anticipated waste volumes for each system. Under the WPDES Permit program, information for each facility and each private industry which discharges over 10,000 gallons per day includes: the volume of discharge, basic water quality data, receiving waters for the effluent, and where and how much sludge is disposed. The monthly or daily monitoring data includes: flow, 5-day BOD, suspended solids, pH, coliform, and phosphorus. Some compliance monitoring is done by DNR as part of the river basin water quality survey program.Contact for Purchase:Contact for Information:

Bureau of Water Quality
 Department of Natural Resources
 Box 450
 Madison, Wisconsin 53701
 (608) 266-3221

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: WATER USE
Section: Water Related Data
Data type: Unpublished Tabular

Date of Collection: 1936 - present

Date of Publication: Current files

Detail: Well construction data exists for most of the private wells in the state. Water levels in high capacity wells are taken monthly or seasonally. The well drillers report the type of formation or soil penetrated by the well and the depth of the well.

Aggregation: Construction Reports are filed by county, and by date and are cross-referenced to the driller's name. The Well Constructor's Report is filled out by the driller.

Quality: Types of materials penetrated by the well are reported by the driller--quality is highly variable.

Timeliness:

Sources: Well drillers construction reports, DNR.

Textual Description: The DNR Bureau of Water Quality maintains a complete file of Well Constructor's Reports, which are completed for most all water wells in the State. Information in these reports includes the location of well (county, town, range, section, quarter-section), owner, address, distance to nearby facilities (buildings, drain tiles, septic fields, etc.), drill hole and well casing characteristics, geologic formations penetrated by the well, depth to water table, yield tests, etc.

Ground water pumpage and water level monitoring data are periodically submitted by owners of high capacity water wells (irrigation wells, commercial facilities, industrial facilities, some schools, etc.). Drive-point wells are installed by unlicensed persons and owners and are not recorded. Some additional data is available on ground water quality characteristics. Drill cuttings for high capacity wells are sent to WGNHS for preparation of well logs.

Contact for Purchase:

Contact for Information:

Private Water Supply Section
 Bureau of Water Quality
 Dept. of Natural Resources
 Box 450
 Madison, Wisconsin 53701
 (608) 266-3221

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

Subsection: WATER USE

Section: Water Related Resources

Data type: Published and Unpublished Tabular

Date of Collection: Ongoing program

Date of Publication: 1970 published report and current files

Detail: Approximately 650 facilities in the state submit monthly operating reports. Approved plans and updated reports for every facility are filed at DNR. Detailed water quality analyses of over 30 parameters are performed by DNR every one to three years.

Aggregation: Facilities exist in every county. Approved plans are stored on microfilm. Monthly operating reports and detailed chemical analysis data are filed alphabetically by municipality.

Quality: Monthly water analyses and measurements are performed by the municipal waterworks personnel. Analysis techniques and accuracy may vary slightly for different facilities.

Timeliness: Some of the most current ground water quality monitoring data in the state.

Sources: Individual municipal waterworks, DNR files, and State Lab. of Hygiene. Older data from the State Board of Health and the PSC.

Textual Description: The DNR Bureau of Water Quality maintains general supervision over the sanitary, chemical, and physical conditions of public water supplies in Wisconsin. Through Chapters NR108 and NR111 of the Wis. Admin. Code, the DNR must examine and approve all plans and modifications of waterworks systems and extensions to such systems (i.e. wells, pumping equipment, tanks, water mains). They periodically inspect the facilities and water supplies, receive monthly samples of water and reports showing pumpage, chemicals added, and some chemical analyses, and also perform miscellaneous inspections and analyses.

The 1970 report, State of Wisconsin Public Water Supply Data 1970, includes information on ownership, installation, source of water, pumpage, storage, treatment, and concentrations of 16 water quality parameters for every facility.

Much of the water quality data will soon be stored in computer files. The Federal Safe Drinking Water Act will soon require more intensive monitoring of water quality for all facilities serving more than 25 persons.

Contact for Purchase:

Contact for Information:

Bureau of Water Quality
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: WATER USE

Section: Water Related Resources

Data type: Unpublished Tabular and Maps

Date of Collection: Continuous

Date of Publication: Current Files

Detail: Detailed physical descriptions and background information are available for permit applications and approved projects. Large scale maps are available for the immediate site locations of proposed and approved projects.

Aggregation: Filed by individual case. Information is indexed by case number, name of applicant, and name of waterway. Additional files are maintained by DNR district offices.

Quality:

Timeliness: Up to date. Permits and files prior to 1967 were maintained by PSC (now on file at DNR).

Sources: Individual applicants, DNR district staff, DNR Water Regulation Section

Textual Description: The DNR Water Regulation Section is required by statute to regulate and license various activities and modifications of navigable waters in the state. These include structures and deposits in navigable waters (s. 30.12), diversions (s. 30.18), enlargements and protection of waterways (s. 30.19), changing stream courses (s. 30.195), removal of bed material (s. 30.20), and bridge and dam construction and maintenance (chp. 31). Approximately 600 permit applications are received each year, and over 4,400 cases (including permits and closed cases) are presently filed at DNR. Approved permit files include a detailed description of the water body, vegetation and wildlife, and land use and zoning considerations adjacent to the project, and letters, communications briefs, and background information furnished by DNR district staff. Large scale maps of approved projects show the topography and bathymetry before and after construction and the locations of dimensions of newly placed structures. Many additional cases (usually less significant ones) are filed at the district offices.

Contact for Purchase:

Contact for Information:

Water Regulation Section
Dept. of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-8030

or DNR District Offices

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

FEDERAL POWER COMMISSION—WATER RESOURCES APPRAISAL
FOR HYDROELECTRIC LICENSING

Subsection: WATER USE
Section: Water Related Resources
Data type: Published Tabular

Date of Collection: 1964 - 1970

Date of Publication: 1964 - 1970

Detail: Reconnaissance level survey; much of the information is derived from other sources.

Aggregation: Reports available for individual river basins from Federal Power Commission. There are two types of reports: Water Resources Appraisal Reports and Planning Status Reports. See list for river basins covered by reports.

Quality: Information is not site specific and of very little detail. Limited use for detailed planning.

Timeliness: Information was not updated for publication.

Sources: U.S. Army Corps of Engineers, U.S. Dept. of Housing and Urban Development, U.S. Department of the Interior, Federal Power Commission, DNR, PSC, power companies, etc.

Textual Description: The Federal Power Commission publishes reports, titled Water Resources Appraisal for Hydroelectric Licensing for specific river basins. They include the following general information on river basin: climate; topography; hydrology; geology and soils; economy of the basin which covers population trends, income, industries in the area, etc.; and existing water related land resources developments, including flood control, pollution control, fish and wildlife, etc. The reports also contain detailed information on the hydroelectric facilities located in the area. All the information is aggregated for the entire study area. The Planning Status Reports have much less detailed information on population, climate, topography, etc., and information on hydroelectric facilities in the area.

Contact for Purchase:

Contact for Information:

Federal Power Commission
Federal Building, Rm. 3140B
230 S. Dearborn Street
Chicago, Illinois 60604

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge

Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau

La Crosse
Lafayette
Langlade
Lincoln

Marathon
Marinette
Marquette
Menominee

Monroe
Oconto
Oneida
Outagamie

Pepin
Pierce
Polk
Portage
Price

Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano

Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Water Resources Appraisal for Hydroelectric Licensing

- (1) Chippewa River Basin--Wisconsin--1965
- (2) Menominee River Basin--Michigan & Wisconsin--1970
- (3) Wisconsin River Basin--Wisconsin--1969

Planning Status Report--Water Resources Appraisal for Hydroelectric Licensing

- (1) Mississippi River Basin--Twin Cities to Missouri River--Iowa,
Missouri, Illinois, Wisconsin & Minnesota--1966
- (2) Western Great Lakes Tributaries--Michigan, Wisconsin, Illinois,
Indiana--1966
- (3) Fox-Wolf River Basin--Wisconsin--1965
- (4) Rock River Basin--Wisconsin & Illinois--1966
- (5) St. Croix River Basin--Wisconsin & Minnesota--1964
- (6) Menominee River Basin--Michigan & Wisconsin--1965

FEDERAL POWER COMMISSION - WATER RESOURCES APPRAISALS
FOR HYDROELECTRIC LICENSING



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: WATER USE
Section: Water Related Resources
Data type: Published Map

Date of Collection: 1972

Brown

Date of Publication: 1972

Calumet

Detail: Scale is approximately 1:84,480 (3/4" = 1 mi.).

Aggregation: One large map and many graphs on single sheet. Land use is aggregated into 5 categories.

Quality: Map is a special-purpose document with a high pictorial value, not intended as a comprehensive data source.

Timeliness: Population, economic and land use data are subject to change.

Sources: DNR; DLAD; DILHR; Northeastern Wisconsin RPC (defunct); WGNHS, UW-Green Bay; UW Sea Grant Program; UW Cartographic Laboratory; USDA-SCS; USGS; US Army Corps of Engineers; US Bureau of the Census; Nat. Oceanic and Atmospheric Assoc.

Textual Description: Document was developed by the UW Sea Grant Program. Map indicates land uses (municipal, urban, industrial, park, agricultural and wooded), political boundaries, effluent discharge locations and names of dischargers, waste treatment facilities, drainage (lower Fox River), roads and Public Land Survey lines. Graphs include information on geology, climate, economic and demographic characteristics of the area.

Outagamie

Contact for Purchase:

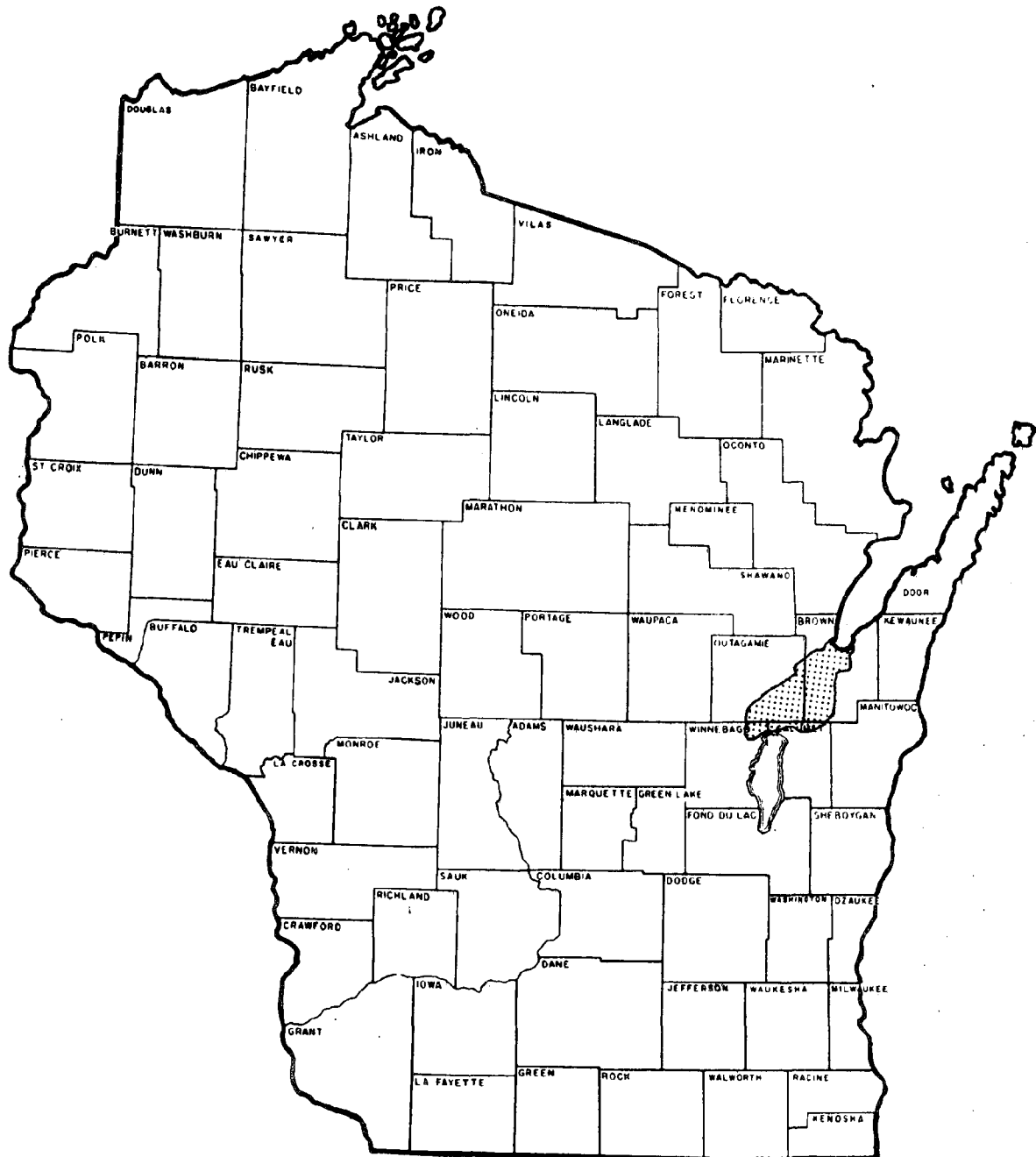
-or-

Contact for Information:

University of Wisconsin
Sea Grant Program
1800 University Avenue
Madison, Wisconsin 53706
(608) 263-3259

Winnebago

GREEN BAY REGION WATER AND LAND USE MAP



WISCONSIN	State Planning Office
	Department Of Administration

1975
WISCONSIN LAND RESOURCES DATA INVENTORY

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Water Related ResourcesData type: LibraryDate of Collection: Ongoing collection since 1966.Date of Publication:

Detail: Library collection includes over 8,000 reports and books, 15 journals, and several updated abstracting bibliographies.

Aggregation: Author and keyword indexes are maintained with a computer indexing and retrieval program. An abstracting program, cooperating with a national system, includes over 75,000 citations; these can be searched by computer.

Quality: One of the best available information sources for water related information in Wisconsin.

Timeliness: Indexes and bibliographies are updated several times each year. A list of new acquisitions is published monthly.

Sources:

Textual Description: The Water Resources Reference Services are offered through the UW-Madison Water Resources Center. The collection of current technical reports, books and journals has been actively maintained since 1966. All aspects of water conservation, utilization and management are included. The computer indexing and retrieval program is capable of generating lists specified by individual users as well as documenting available library material. Ongoing abstracting programs have developed special collections in eutrophication and water resource economics. These abstracts are published in Selected Water Resources Abstracts, and the documents cited are available through the Water Resources Center.

Contact for Purchase:Contact for Information:

Water Resources Reference
Services
Water Resources Center
Univ. of Wisconsin-Madison
1975 Willow Drive, Room 217
Madison, Wis. 53706
(608) 262-3069

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Water Related ResourcesData type: Unpublished tabularDate of Collection: Ongoing data collectionDate of Publication:Detail: Includes basic data on water quality and related parameters collected at hundreds of locations throughout the state.Aggregation: Stations located throughout the state. Data is organized by individual station identification numbers, and stored on computer files. Data may be analyzed, sorted, and retrieved in a variety of aggregations (by geographic area, date, water quality parameters, etc.).Quality:Timeliness: Continually updated.Sources: DNR, USDA-Forest Service, USGS, EPATextual Description: The U.S. Environmental Protection Agency maintains the STORET Water Quality Data System, a computer-based information system which stores, retrieves, and manipulates various water quality data collected by agencies throughout the nation. In Wisconsin STORET is used for water quality data from water wells, lakes, streams, public water supplies, and surface water effluent discharges which are monitored by DNR, USDA-Forest Service (in National Forests), and USGS. The system can also summarize, statistically analyze, and map or plot the results of data analyses. All of the data on STORET files are spatially identified by latitude-longitude coordinates.Contact for Purchase:

Group Leader Water
Quality
USDA-Forest Service or
633 W. Wisconsin Ave.
Milwaukee, WI 53203

Contact for Information:

Bureau of Water Quality
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-3221
or
Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
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Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Unpublished tabular

Date of Collection: Ongoing data collection

Date of Publication:

Detail: Data system contains records on surface water discharge (100-150 stations), water quality (over 1,000 stations), and ground water data (eventually will include 3,000 wells).

Aggregation: Data files are stored on computer storage devices. Records are retrievable by latitude-longitude, county, type of station, etc. Records in the data file will eventually be available to the general public.

Quality:

Timeliness: Up to date, lag time of 3-4 days between storage and retrieval of surface water discharge data, 3-4 months for water quality data, a year for periodic sampling data.

Sources: USGS Water Resources Division

Textual Description: The National Water Data Storage and Retirement System is a comprehensive system used for storage and maintenance of water data by the USGS Water Resources Division. It includes files of all daily and periodic sampling data collected by USGS in Wisconsin. A new file of ground water data (well logs, ground water quality, flow, etc.) will eventually include 3,000 entries. Data can normally be retrieved from the system within one day. Eventually the system will be available for use by the general public.

Contact for Purchase:

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

or

Assistant Chief Hydrologist-
Data Management
U.S. Geological Survey
Water Resources Division
National Center, Stop 437
Reston, Va. 22092

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
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Door
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Eau Claire
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Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Unpublished tabular

Date of Collection: Ongoing collection

Date of Publication:

Detail: Includes detailed information on named and unnamed lakes and streams (physical and chemical characteristics, fish species and characteristics, game resources, access, developments, etc.).

Aggregation: Statewide coverage. Data is stored on computer files, and is sortable and retrievable in a variety of aggregations (by location, fish species present, acreage, access, etc.).

Quality: One of the most comprehensive data sources on surface water resources of Wisconsin. Much of the data, however, are based on single observations and measurements.

Timeliness: Each county is updated approximately every ten years.

Sources: DNR Bureau of Fish and Wildlife Management, field surveys, DNR files, aerial photographs, USGS Quadrangle Maps, county and town agencies, etc.

Textual Description: The General Waters File is a comprehensive computer-based data file which is maintained by the DNR for management and planning of surface waters in the State and for publication of reports and bulletins describing these waters. Data stored in the file include physical characteristics (location, acreage, dimensions, depth, shore length, bottom type, drainage characteristics, etc.), chemical characteristics (alkalinity, pH, nutrients, temperature, oxygen, color, etc.) fish characteristics (presence and abundance, associated vegetation, winterkill, management, etc.), game resources (species present, wetland habitats, etc.), access (public, roads, water access, etc.), developments (number of facilities, type, etc.) and other information.

Many types of computer listings of the data have been made which combine various types of data in the file and are available for review. The data are not readily reproducible in their basic form. DNR County Surface Water Resources Reports, Fish Management Reports and various inventory publications are published with the use of these data.

Contact for Purchase:

Contact for Information:

Bureau of Fish and Wildlife
Management
Department of Natural Resources
Box 450
Madison, Wisconsin 53706
(608) 266-1877

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

ANNOTATED BIBLIOGRAPHY OF WATER QUALITY INFORMATION--WISCONSIN GREAT LAKES
6.6.5 AND TRIBUTARY STREAMS 6.6.5

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Unpublished tabular

Ashland

Bayfield
Brown

Date of Collection: Through 1975

Date of Publication: August, 1975

Detail: Annotated bibliography (21 pp.), including citations, descriptive information and availability of information for each citation, and map indexes showing locations of studies.

Door
Douglas

Aggregation: Report is divided into 4 sections: 1) Great Lakes and tributary streams, 2) Bay Lake coastal counties, 3) Northwestern Wisconsin coastal counties, and 4) Southeastern Wisconsin coastal counties.

Quality:

Iron

Timeliness: Inventory will be revised and expanded in the future.

Kenosha
Kewaunee

Sources:

Manitowoc

Textual Description: The DNR Bureau of Water Regulation and Zoning compiled this bibliography as a part of the Wisconsin Coastal Zone Management Development Program, currently in progress under the Federal Coastal Zone Management Act of 1972. The bibliography surveys and annotates available information relating to Wisconsin's Great Lakes and tributary streams. Each citation contains a brief paragraph describing the general nature and purpose of the entry followed by a short paragraph on available data when appropriate.

Marinette

Milwaukee

Oconto

Ozaukee

Racine

Contact for Purchase:

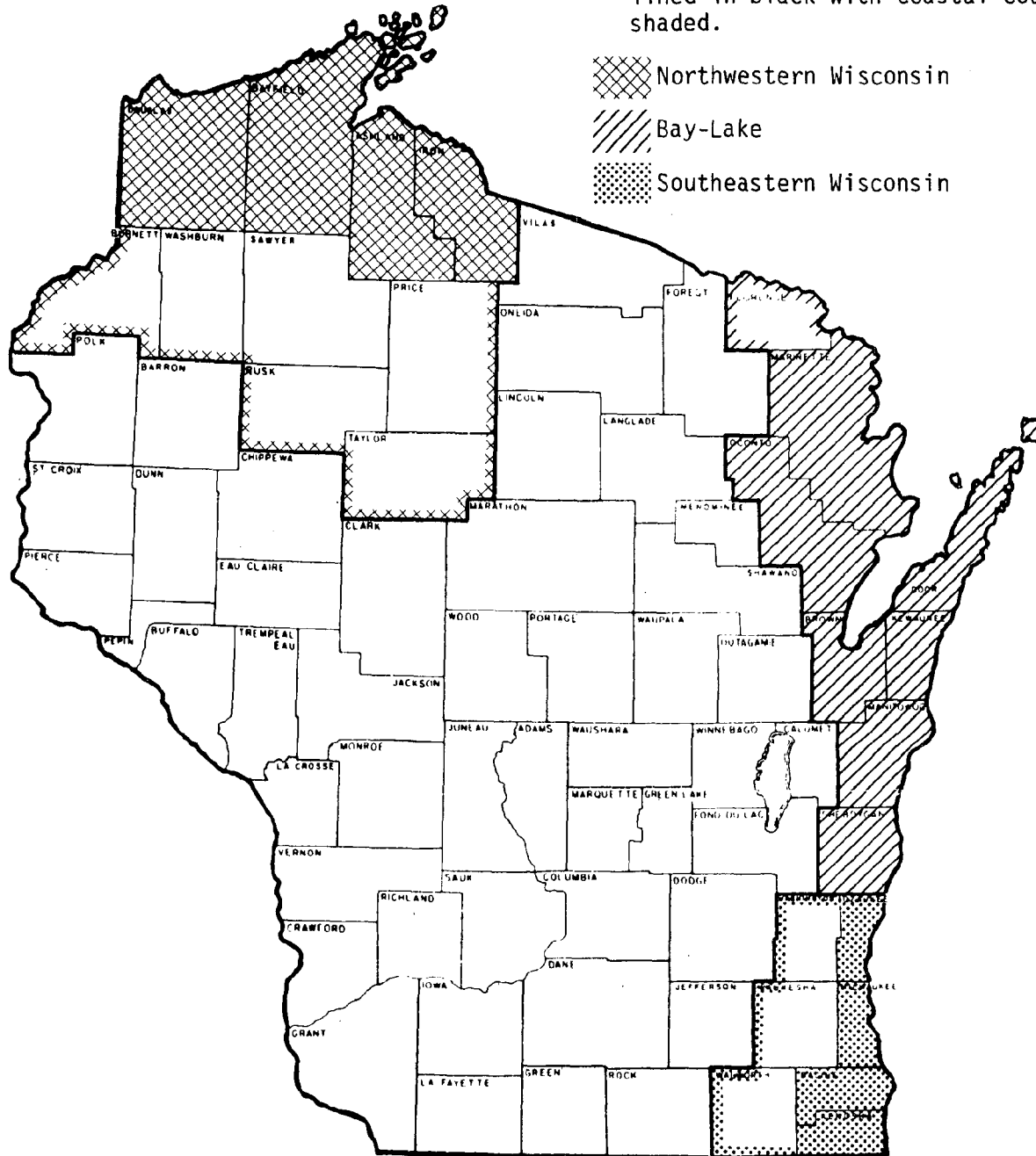
Contact for Information:

Sheboygan

Bureau of Water Regulation and
Zoning
Department of Natural Resources
Box 450
Madison, Wisconsin 53701
(608) 266-2050

WISCONSIN'S COASTAL ZONE

Regional Planning Commissions participating in Wisconsin's Coastal Zone Management Development Program - outlined in black with coastal counties shaded.



WISCONSIN	State Planning Office
	Department Of Administration

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Published tabular

Date of Collection: 1851 - 1972

Date of Publication: 1974

Detail: Includes published and unpublished reports, studies, theses, etc. (521 citations).

Aggregation: Statewide coverage. Published report is arranged alphabetically by author, with several indexes (subject, county, general, chronological).

Quality: The most complete bibliography available on ground water in Wisconsin.

Timeliness:

Sources: USGS, WGNHS, UW System, DNR, published reports in journals, student theses, etc.

Textual Description: The WGNHS published the Bibliography and Index of Wisconsin Ground Water 1851-1972, by Alexander Zaporozec, 1974, WGNHS Special Report No. 2, which contains articles, reports and theses containing any information pertaining to Wisconsin's ground water - its occurrence, movement, quantity, quality, use, and management. It is the most comprehensive listing available on the subject.

The bibliography does not include the results of field work done in Wisconsin but which do not specify the location, nor does it include basic data holdings on well drilling and reports of private consulting and engineering firms scattered throughout the State.

A report, "Water Resources Investigations in Wisconsin, 1975 Fiscal Year", by R. A. Lansing, USGS, February 1975, contains more current information on ground water studies.

Contact for Purchase:

Wisconsin Geological and Natural
History Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-1705

Contact for Information:

Water Resources Division
U.S. Geological Survey
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-2488

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIESSection: Water Related ResourcesData type: Published TabularDate of Collection: Updated annually through 1974.Date of Publication: 1970, 1973. New editions published every few years.Detail: Catalog does not contain actual data. It indicates the name of water body, sampling station location, and types of water data available for the specified period of record. Maps showing locations of sampling stations are available at 1:1,000,000 scale.Aggregation: 1970 catalog has national coverage, aggregated into 79 geographic areas; 3 cover Wisconsin. 1973 catalogs are available for each of 21 areas in nation; 2 cover Wisconsin (Great Lakes and Upper Mississippi).Quality: Information on station locations and types of data collected is very accurate and complete.Timeliness: 1970 and 1973 editions are only current for information concerning ongoing monitoring programs at the specified stations.

Historic records from discontinued stations may be useful.

Sources: USGS, U.S. Weather Bureau, U.S. Bureau of Commercial Fisheries, U.S. Army Corps of Engineers.Textual Description: The USGS Office of Water Data Coordination (OWDC) published four catalogs on water data in 1970: Surface Water, Ground Water, Water Quality, and Areal Investigations. Each catalog describes the types of data which are available in specific locations throughout the nation. Within each volume, each sampling station location is specified by geographic region, OWDC number, agency number, station name, exact station location (latitude-longitude), water resource type, period of record, nature of data storage, frequency of collection, and drainage area covered. The specific types of data collected are then identified. The 1973 editions are available for each region (Great Lakes and Upper Mississippi). They include updated information for the above categories. Additional information about specific data can be obtained from the collecting agency or from OWDC.Contact for Purchase:Contact for Information:

Office of Water Data
 Coordination
 U.S. Department of the Interior
 Geological Survey
 Washington, D.C. 20242

STATEWIDE

Adams
 Ashland
 Barron
 Bayfield
 Brown
 Buffalo
 Burnett
 Calumet
 Chippewa
 Clark
 Columbia
 Crawford
 Dane
 Dodge
 Door
 Douglas
 Dunn
 Eau Claire
 Florence
 Fond du Lac
 Forest
 Grant
 Green
 Green Lake
 Iowa
 Iron
 Jackson
 Jefferson
 Juneau
 Kenosha
 Kewaunee
 La Crosse
 Lafayette
 Langlade
 Lincoln
 Manitowoc
 Marathon
 Marinette
 Marquette
 Menominee
 Milwaukee
 Monroe
 Oconto
 Oneida
 Outagamie
 Ozaukee
 Pepin
 Pierce
 Polk
 Portage
 Price
 Racine
 Richland
 Rock
 Rusk
 St. Croix
 Sauk
 Sawyer
 Shawano
 Sheboygan
 Taylor
 Trempealeau
 Vernon
 Vilas
 Walworth
 Washburn
 Washington
 Waukesha
 Waupaca
 Waushara
 Winnebago
 Wood

6.6.8

DANE COUNTY WATER DATA INDEX

6.6.8

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Published tabular and mapped

Date of Collection: Ongoing compilation

Date of Publication: 1974

Detail: Basin key maps at 1:63,360 scale. County is divided into 13 drainage basin maps.

Dane

Aggregation: Organized by river basin or creek basin. Monitoring stations within each basin are coded to coincide with key maps.

Quality: The most complete compilation available for Dane County.

Timeliness: Updated information; published information is current as of November 1973. A master copy is updated continually.

Sources: USGS, USDA, DNR, UW-Madison, Madison Engineering Division, Rivers and Lakes Commission, Dane County Soil & Water Conservation District, etc.

Textual Description: The Dane County Water Data Index, prepared by the Dane County Regional Planning Commission, represents an attempt to compile all available data on the water resources of the county. The data is spatially presented and organized by river and creek basins. Included in the document are tables showing sources of pollution and groundwater and surface water information. A series of map symbols identifies each monitoring station by type and also identifies abandoned stations, pollution sources, etc.

Contact for Purchase:

Contact for Information:

Dane County Regional Planning
Commission
Room 312-B City-County Bldg.
210 Monona Avenue
Madison, Wis. 53709
(608) 266-4137

Revised 1976

6.6.9

UW SEA GRANT COLLEGE PROGRAM

6.6.9

Subsection: INFORMATION SERVICES AND BIBLIOGRAPHIES

Section: Water Related Resources

Data type: Published and unpublished tabular

Date of Collection: Ongoing program since 1968

Date of Publication: 1968-

Detail: Varies

Aggregation: Varies. Information and reports generally pertain to the Great Lakes region, and Lakes Michigan and Superior in particular.

Quality:

Timeliness: Ongoing program. Publications list updated periodically.

Sources: NOAA, UW System, other Sea Grant institutions.

Textual Description: The UW Sea Grant College Program is a UW system-wide grant program of research, education and extension (the latter called Sea Grant Advisory Services). Through the program, reports are published on UW research that cover many subjects: fisheries, contaminants in lakes and fish, ports and shipping, underwater minerals, ocean engineering, aquaculture, shore erosion, policy studies and water quality. Information services will retrieve special information on lake problems from a variety of sources as a service to the State and Federal agencies, business and industry, and individuals. Copies of reports are available in limited distribution: research reports are sold at cost and many advisory reports are available at no cost. Other Sea Grant institution reports are on file for review.

Contact for Purchase:

Sea Grant Communications
1800 University Avenue
Madison, Wisconsin 53703
(608) 263-3259

Contact for Information:

Sea Grant Advisory Services
1815 University Avenue
Madison, Wisconsin 53706
(608) 262-0644

STATEWIDE

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk
St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Revised 1976

**COASTAL ZONE
INFORMATION CENTER**

