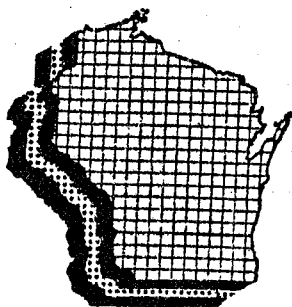


Wisconsin Mapping Bulletin

Volume 2, No. 3

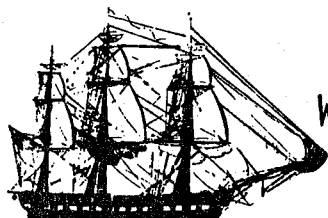
July 1976



Information on Cartographic activities and Aerial Photographic coverage in the State of Wisconsin; published periodically by the State Cartographer's Office, 144 Science Hall, University of Wisconsin, Madison, Wisconsin 53706.

★ WISCONSIN MAGNETIC DECLINATION - 1975 ★

The State Cartographer's Office has published a page-size (8½" x 11") map of magnetic declination as of 1975 for Wisconsin. The map indicates every 15 minutes of magnetic declination and the annual change to .5 minute. The text on the reverse side describes how the magnetic declination information was prepared, lists certain irregularities and geodetic definitions dealing with the magnetic phenomena. A copy of Wisconsin Magnetic Declination - 1975 is available upon request from the State Cartographer's Office.



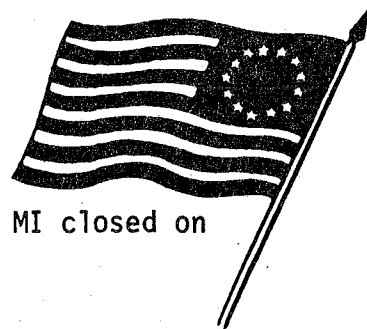
WISCONSIN COASTAL HISTORY TRAILS; LAKE MICHIGAN AND LAKE SUPERIOR

Wisconsin Coastal History Trails was developed by the Wisconsin Coastal Zone Management Development Program to help us rediscover the past and to renew our Great Lakes heritage. In the spirit of our nation's bicentennial, two publications have been developed to guide bikers, hikers, and boaters through Wisconsin's early development where history was made--along the shores of Lake Superior and up the coast of Lake Michigan.

These attractive publications are available free on request from the:

Wisconsin Coastal Zone Management Development Program
State Planning Office
Room B-130, 1 West Wilson Street
Madison, Wisconsin 53702
Phone: (608) 266-8952

LAKE SURVEY CENTER CLOSED

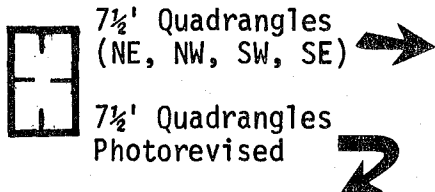


The National Ocean Survey, Lake Survey Center in Detroit, MI closed on June 30, 1976. Inquiries should now be directed to:

Distribution Division (C44)
National Ocean Survey
Riverdale, MO 28040

★ NEW PRODUCTION FROM U.S. GEOLOGICAL SURVEY ★

These newly published 7½' topographic quadrangle maps (1:24,000) are listed by their location on the superseded 15' topographic or planimetric map of the area. They are available from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 (608) 262-0586. Topographic quadrangles \$1.25, orthophotos 50¢.



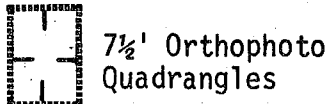
- a West Salem, 1974
- b Waunakee, 1974
- c De Forest, 1974
- d Sun Prairie, 1974
- e Middleton, 1974
- f Madison West, 1974
- g Madison East, 1974

- 1 LILY 15' PLAN**
 NE¼ None
 NW¼ Mole Lake '73
 SW¼ None
 SE¼ None

- 2 DOERING 15' PLAN**
 NE¼ Black Brook '73
 NW¼ None
 SW¼ Kalinke '73
 SE¼ None

- 3 ANTIGO 15' PLAN**
 NE¼ None
 NW¼ None
 SW¼ None
 SE¼ Mattoon '73

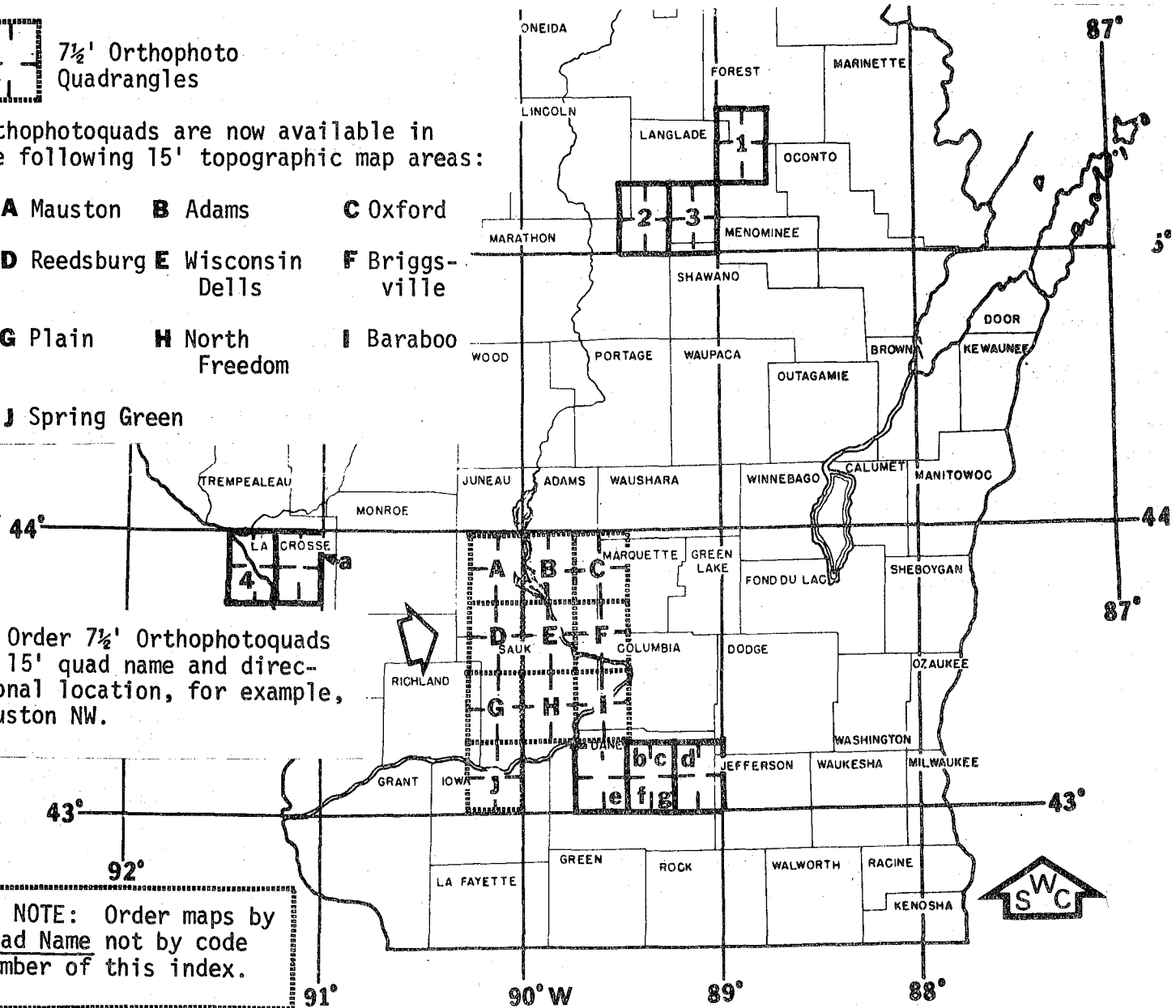
- 4 LA CRESCENT 15' TOPO**
 NE¼ Holmen '73
 NW¼ Pickwick '73
 SW¼ None
 SE¼ La Crescent '73



Orthophotoquads are now available in the following 15' topographic map areas:

- A Mauston B Adams C Oxford
- D Reedsburg E Wisconsin Dells F Briggsville
- G Plain H North Freedom I Baraboo
- J Spring Green

Order 7½' Orthophotoquads by 15' quad name and directional location, for example, Mauston NW.





MAP PRICES INCREASE

Effective July 15, 1976 the list price of U. S. Geological Survey maps will be increased. This price increase is brought about by the need to recover costs associated with the reproduction and distribution of the maps. Subsequently the Wisconsin Geological Survey will raise map prices on July 25.

U.S. Geological Survey (effective July 15)

| | |
|---|--------|
| Standard Topographic 7.5- and 15-minute maps including ortho- photomaps and orthophotoquads | \$1.25 |
| County Maps | 2.00 |
| 1:100,000-Scale Maps | 2.00 |
| 1:250,000-Scale Maps | 2.00 |
| State Base Maps | |
| Black & White | 1.50 |
| Multicolor | 2.00 |
| Shaded Relief | 2.00 |
| National Park Maps | 2.00 |
| International Maps of the World | 2.00 |

Wisconsin Geological Survey (effective July 25)

| | |
|--|-----------------------------|
| Wisconsin Topographic 7.5- and 15-minute maps | \$1.25 \$1.50 |
| Orthophotoquads (Wis. only) | .50 (no increase) |
| 1:250,000-Scale Maps (Wis. only) | 2.00 |
| Wisconsin Base Maps | |
| 1:1,000,000 | 1.50 |
| 1:500,000 without contours | 1.50 |
| 1:500,000 with contours | 2.50 (no increase) |

A new September 1975 Index to Topographic Maps of Wisconsin is now available. It updates the previous November 1974 index. Copies are available free from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 (608) 262-0586.

DEDICATION OF GEOLOGICAL CENTER, ROLLA, MO.

On May 9, 1976, Mr. A.L. Ziegler, Wisconsin State Cartographer, represented the state at the dedication ceremony for the new production facility of the Mid-Continent Mapping Center, Geological Survey in Rolla, Missouri. A diverse group of guests attended the ceremony including the Department of the Interior Assistant Secretary, Richard R. Hite, Dr. V.E. McKelvey, Director, U.S.G.S., and Mr. W.A. Radlinski, Associate Director, U.S.G.S.

The Mid-Continent Mapping Center now has an outstanding facility which has combined all the operations of the Geological Survey in Rolla, Missouri under one roof. In addition to the new building the Center has two new map reproduction cameras and acquired a larger automated computing center.





GEODETTIC CONTROL CATALOG UPDATE

A new mark maintenance engineer has been assigned to area 7 which includes Wisconsin. It is the responsibility of the mark maintenance engineer to regularly recover, repair, or reset markers in danger of being disturbed. The new maintenance engineer is:

Mr. John D. Rigney
1621 North Michigan St.
Lot No. 39
Plymouth, IN 46563

Please annotate the inside back cover page of the Catalog of Federal Horizontal Control & Leveling on Wisconsin (1975) issued by the State Cartographer's Office accordingly.



The National Geodetic Survey's HIGH PRECISION TRANSCONTINENTAL TRAVERSE, detailed on page 22 of the catalog has been extended from Mercer, WI to St. Ignace, MI. The Office has on file the unadjusted field values and will eventually receive the final adjustment figures. Plane coordinates are not furnished for these unadjusted field computations.

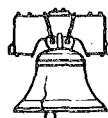


Additionally, the State Cartographer's Office continues to receive new and adjusted 1st and 2nd order control information from the National Geodetic Survey and 3rd order information from the U.S. Geological Survey. Current plans are to update the catalog during 1977. Copies of the 1975 catalog are still available free on request from the State Cartographer's Office.



NEW AERIAL PHOTOGRAPHIC COVERAGE CATALOG

The State Cartographer's Office is planning to publish a revised second edition of the aerial photography catalog of Wisconsin in the fall of 1976. The office staff is currently collecting information on the aerial photographic holdings of governmental agencies (all levels), commercial concerns and public utilities. If you are aware of or if your organization has aerial photographic coverage of Wisconsin, post-1971, and such photography is available for sale to the general public, the State Cartographer would appreciate receiving this information. Guidelines for presentation in the catalog and graphic index sheets on which to indicate coverage will be furnished upon request. The office is attempting to present a comprehensive aerial photography catalog and cooperation in this effort will be greatly appreciated.





PLANIMETRIC COUNTY BASE MAPS



U.S. GEOLOGICAL SURVEY PRODUCTION

The U.S. Geological Survey is engaged in the cooperative production of county planimetric base maps with the Soil Conservation Service (SCS), U.S. Department of Agriculture. The county base maps are part of the SCS nationwide land inventory program of "prime and unique farmlands." The initial effort of SCS involves in excess of 200 counties. In Wisconsin the program currently in work involves La Crosse, Rock, and Washington Counties. Six additional counties are committed for this type of inventory during the next 18 months. They are Brown, Kenosha, Milwaukee, Ozaukee, Racine, and Waukesha.

The specifications for the base maps are as follows: 1:100,000 scale, 1 county per map sheet (1" = 8,333.3'). The base maps are prepared in a variety of drafting separations; for example the black printing negative is available in 7 possible separations. The U.S. Geological Survey intends to print these county base maps without the SCS farmlands overprint. This base map will be for sale by the U.S. Geological Survey. Reproduction copies of the negative separation will also be available for purchase.

The following schedule is for reproduction copy availability. Printing schedules for lithographic copies have not yet been established.

Fiscal Year 1976
(Ending September 30, 1976)

La Crosse
Rock
Washington

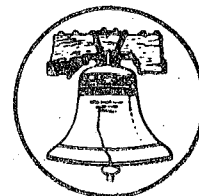
Fiscal Year 1977
(Ending September 30, 1977)

Brown Ozaukee
Kenosha Racine
Milwaukee Waukesha

If more information is desired on these county base maps, please contact the State Cartographer's Office.

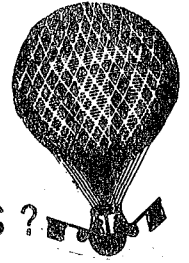
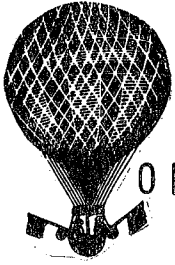


LAND USE PUBLICATION AVAILABLE



A LAND USE AND LAND COVER CLASSIFICATION SYSTEM FOR USE WITH REMOTE SENSOR DATA, by James R. Anderson (and others) U.S. Geological Survey Prof. Paper 964, 28 pages, 1976.

This publication presents the framework of a national land use and land cover classification system for use with remote sensor data. The classification system has been developed to meet the needs of Federal and State agencies for an up-to-date overview of land use and land cover throughout the country on a basis that is uniform in categorization at the more generalized first and second levels and that will be receptive to data from satellite and aircraft remote sensors. It is intentionally left open-ended so that Federal, regional, State, and local agencies can have flexibility in developing more detailed land use classifications at the third and fourth levels in order to meet their particular needs and at the same time remain compatible with each other and the national system. Revision of the land use classification system as presented in U.S. Geological Survey Circular 671 was undertaken in order to incorporate the results of extensive testing and review of the categorization and definitions. For sale by the U.S. Geological Survey Publications Office, 604 South Pickett St., Alexandria, VA 22304 for 75¢.



OLD AIR PHOTOS CLUTTERING YOUR FILES? RECYCLE TO U.W. MAP LIBRARY

The Map and Air Photo Library at the University of Wisconsin, Madison, contains a collection of approximately 80,000 aerial photographs covering parts of the state of Wisconsin. Most of this photography was flown prior to 1960 by the U.S. Department of Agriculture, Agricultural Stabilization and Conservation Service or its predecessors. The map librarian, Ms. Mary Galneder, is enthusiastic about developing this collection into a comprehensive historical one which would include all Department of Agriculture flights for each county as well as photography from special projects throughout the state. Because purchasing costs would be prohibitive if you or your organization have any aerial photographs which are no longer required, Ms. Galneder would be extremely interested in obtaining the prints. The Map and Air Photo Library would also like to acquire schematic-type and reduced photographic indexes for any part of the state. Any donations of photographs or indexes would be beneficial.

Photographs may be mailed by Library Rate at nominal cost; the mailing address is: Map Library, Science Hall, University of Wisconsin, Madison, WI 53706. If it is not feasible for you to mail the photographs, it may be possible to arrange for them to be picked up; call Ms. Galneder at (608) 262-1471. Your assistance in adding to this collection will be appreciated.

Photographs already in the collection may be borrowed by individuals throughout the state on interlibrary loan from a public or academic library. A list of the photographs will be available from the State Cartographer's Office.

WISCONSIN MAP SOCIETY FORMATION



Mr. Wilfred E. Beaver of the Monroe County Historical Society, Inc., is laying the groundwork for the formation of a map society in Wisconsin. The MCHS has a small collection of maps which Mr. Beaver is actively enlarging. He publishes a newsletter which is sent out to MCHS members in 9 states. Based in the Monroe County Historical Society, Inc., with the encouragement of the State Cartographer's Office, Mr. Beaver hopes to gather enough support to establish a Wisconsin Map Society. Interested persons should contact Mr. Beaver at the MCHS, Inc., P. O. Box 422, Sparta, WI 54656, telephone (608) 269-6205.



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