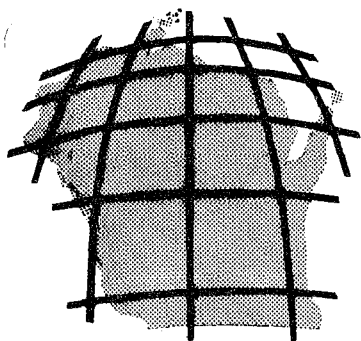


WISCONSIN MAPPING BULLETIN

Vol. 1 No. 3 July 1975



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

★ AERIAL PHOTOGRAPHY CATALOG ★

The Catalog of Aerial Photography 1970-1974 on Wisconsin is now available in limited distribution from the State Cartographer's Office. This first of an annual series of status reports documents recent large and small-scale aerial photography available from federal, state and regional agencies. Also included are sections on anticipated acquisitions of large-scale photography during 1975 and on the EROS Data Center, User Service. Page size map indexes are utilized to graphically indicate coverage. Requests for single copies of the Catalog of Aerial Photography 1970-1974 should be directed to Chris Hanson, 144 Science Hall, Madison, WI 53706 (608) 262-3065.

MODERN SOIL SURVEYS - SOIL CONSERVATION SERVICE U. S. D. A.

As of June 30th 1975, the following counties have had modern soil surveys published by the Soil Conservation Service of the U.S. Department of Agriculture:

Barron	Grant	Lafayette	Racine	Washington
Brown*	Green*	Milwaukee	Richland	Waukesha
Buffalo	Iowa	Ozaukee	Rock*	
Crawford	Kenosha	Pepin	Vernon	
Fond du Lac	La Crosse	Pierce	Walworth	

*published during last year

Counties with modern soil survey mapping complete and awaiting publication:

Calumet	Dodge	Eau Claire	Outagamie**	Sheboygan
Columbia	Door	Green Lake	Portage	Trempealeau
Dane	Dunn	Marquette	St. Croix**	Wood

**field work completed during last year

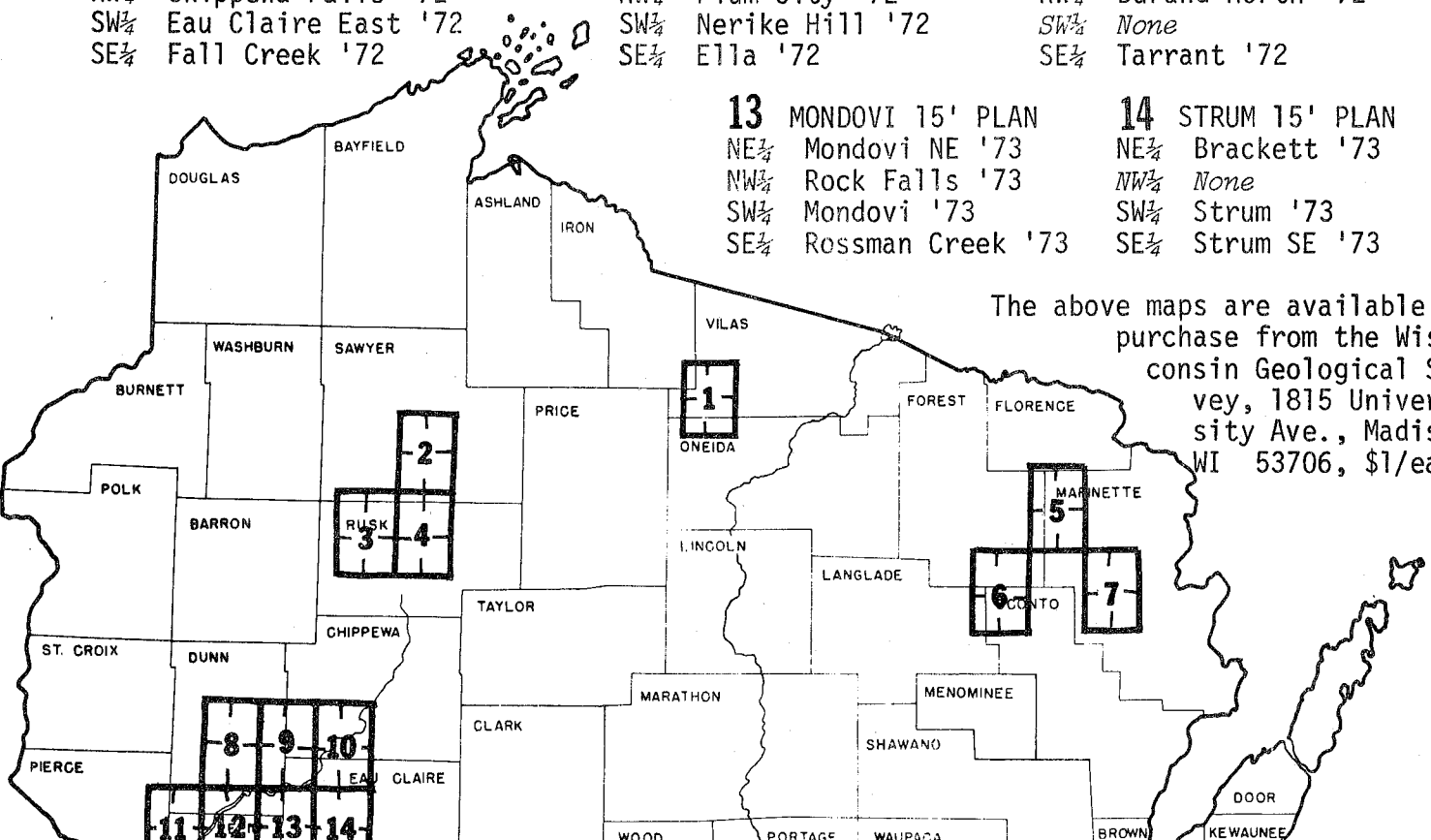
A soil survey contains a textual description of the soils, a generalized soil map of the county and a series of printed photo mosaics at a scale of 1:20,000 (1 inch = 1667 feet) overprinted with each soil type and the degree of slope of the land.

The soil surveys are published by the U.S. Government Printing Office and are for sale by the Superintendent to Documents, Washington, D.C. 20402. The local county Water and Soil Conservation Agent will have a copy which can be reviewed. Other county officials or a government depository library in your area may also have loan copies available.

NEW TOPOGRAPHIC MAPS (1:24,000 SCALE)

Since the printing of the November 1974 U.S. Geological Survey Index to Topographic Maps of Wisconsin, a significant number of additional 7½ quadrangle topographic maps have been published. The availability of these printed maps is due in large part to the cooperative mapping program between the State of Wisconsin and the U.S. Geological Survey. The newly published, as of June 30, 1975, 7½ minute maps (1:24,000 scale) are listed by their location on the superseded 15 minute topographic or planimetric map of the area.

- | | | |
|--|--|--|
| <p>1 LAC DU FLAMBEAU 15' PLAN
 <i>NE¼ Fence Lake '71</i>
 <i>NW¼ Lac Du Flambeau '71</i>
 <i>SW¼ Lac Du Flambeau SW '71</i>
 <i>SE¼ Mercer Lake '71</i></p> | <p>2 RADISSON 15' PLAN
 <i>NE¼ Barker Lane '72</i>
 <i>NW¼ New Post '72</i>
 <i>SW¼ Radisson '72</i>
 <i>SE¼ Winter '72</i></p> | <p>3 METEOR 15' PLAN
 <i>NE¼ Weirgor '72</i>
 <i>NW¼ Edgewater '72</i>
 <i>SW¼ Bucks Lake '72</i>
 <i>SE¼ Becky Creek '72</i></p> |
| <p>4 EXELAND 15' PLAN
 <i>NE¼ Hogsback Creek '72</i>
 <i>NW¼ Exeland '72</i>
 <i>SW¼ Crane '72</i>
 <i>SE¼ Exeland SE '72</i></p> | <p>5 GOODMAN 15' PLAN
 <i>NE¼ Goodman '72</i>
 <i>NW¼ Armstrong Creek '72</i>
 <i>SW¼ Goodman SW '72</i>
 <i>SE¼ Coleman Lake '72</i></p> | <p>6 WABENO 15' PLAN
 <i>NE¼ Otter Lake '72</i>
 <i>NW¼ Wabeno '72</i>
 <i>SW¼ Reservoir Pond '72</i>
 <i>SE¼ Townsend '72</i></p> |
| <p>7 ATHELSTANE 15' PLAN
 <i>NE¼ Athelstane '72</i>
 <i>NW¼ Lehman Lake '72</i>
 <i>SW¼ High Falls Reservoir '72</i>
 <i>SE¼ Mount Tom '72</i></p> | <p>8 MENOMONIE 15' PLAN
 <i>NE¼ Rusk '72</i>
 <i>NW¼ Menomonie North '72</i>
 <i>SW¼ Menomonie South '72</i>
 <i>SE¼ Falls City '72</i></p> | <p>9 ELK MOUND 15' PLAN
 <i>NE¼ Albertville '72</i>
 <i>NW¼ Colfax South '72</i>
 <i>SW¼ Elk Creek Lake '72</i>
 <i>SE¼ Eau Claire West '72</i></p> |
| <p>10 CHIPPEWA FALLS 15' PLAN
 <i>NE¼ Lake Wissota '72</i>
 <i>NW¼ Chippewa Falls '72</i>
 <i>SW¼ Eau Claire East '72</i>
 <i>SE¼ Fall Creek '72</i></p> | <p>11 ARKANSAW 15' PLAN
 <i>NE¼ Arkansaw '72</i>
 <i>NW¼ Plum City '72</i>
 <i>SW¼ Nerike Hill '72</i>
 <i>SE¼ Ella '72</i></p> | <p>12 DURAND 15' PLAN
 <i>NE¼ Meridean '72</i>
 <i>NW¼ Durand North '72</i>
 <i>SW¼ None</i>
 <i>SE¼ Tarrant '72</i></p> |
| | <p>13 MONDOVI 15' PLAN
 <i>NE¼ Mondovi NE '73</i>
 <i>NW¼ Rock Falls '73</i>
 <i>SW¼ Mondovi '73</i>
 <i>SE¼ Rossman Creek '73</i></p> | <p>14 STRUM 15' PLAN
 <i>NE¼ Brackett '73</i>
 <i>NW¼ None</i>
 <i>SW¼ Strum '73</i>
 <i>SE¼ Strum SE '73</i></p> |



The above maps are available for purchase from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706, \$1/each.

GENERAL INTEREST PUBLICATIONS

Glossary of Mapping, Charting, and Geodetic Terms by Defense Mapping Agency Topographic Center, 3rd ed., 1973, #0800-00195, 281 p., Superintendent of Documents, Washington, D.C. 20402, \$3.15.

This glossary has been prepared under the direction of the Department of Defense to satisfy the need for effective communication and mutual understanding of the terminology used in mapping, charting, and geodesy.

The logic of geological maps, with reference to their interpretation and use for engineering purposes, by D.J. Varnes, U.S.G.S. Professional Paper 837, 1974, (1975), 48 p., plates in pocket, \$3.50.

HYDROLOGIC ATLASES NOW AVAILABLE

(refer to Wisconsin Mapping Bulletin Vol. 1, No. 2, April 1975)

Water resources of Wisconsin-lower Wisconsin River basin, by S.M. Hindall and R.G. Borman, U.S.G.S. Hydrologic Investigations Atlas HA-479, 1974 (1975).

Three sheets: lat about 42°55' to 43°55', long 89° to 91°10'. Scale 1:1,000,000 (1 inch = about 16 miles). Sheet 1, introduction, physical setting, water use, and generalized hydrologic budget; sheet 2, ground-water--surface-water relationships, ground water, and irrigation; sheet 3, surface water, summary, agencies having additional information, and selected references. Each sheet 35 by 39 inches. \$2.50 per set.

★ The following 3 hydrologic atlases offer adjoining information on western Wisconsin river basins. They may be purchased from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads St., Arlington, VA 22202.

Water resources of the Snake River watershed, east-central Minnesota, by G.F. Lindholm, J.O. Helgesen, W.L. Broussard, and D.W. Ericson, U.S.G.S. Hydrologic Investigations Atlas HA-488, 1974 (1975).

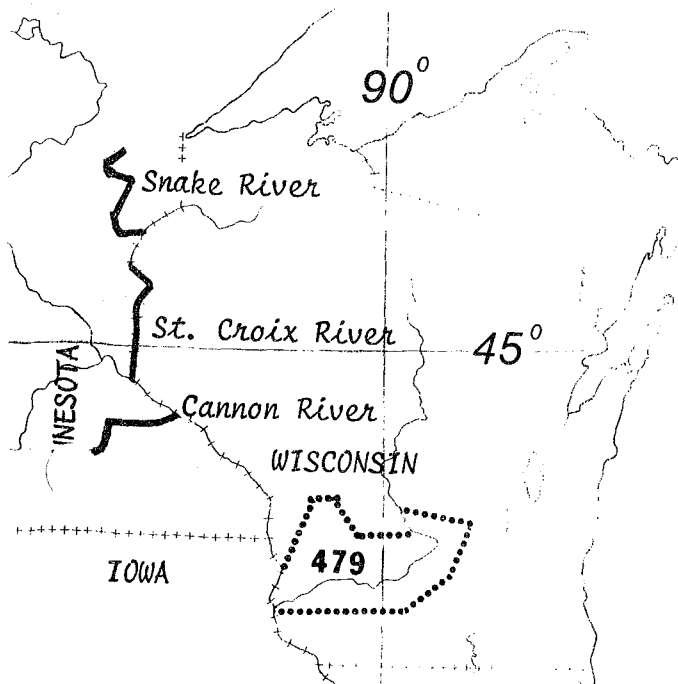
Three sheets; Scales 1:250,000 (1 inch = about 4 miles) and 1:500,000 (1 inch = about 8 miles). Each sheet 35 by 44 inches. \$2 per set.

Water resources of the lower St. Croix River watershed, east-central Minnesota, by G.F. Lindholm, J.O. Helgesen, W.L. Broussard, and D.F. Farrell, U.S.G.S. Hydrologic Investigations Atlas HA-490, 1974 (1975).

Three sheets; Scales 1:250,000 (1 inch = about 4 miles) and 1:500,000 (1 inch = about 8 miles). Each sheet 38 by 48 inches. \$2.25 per set.

Water resources of the Cannon River watershed, southeastern Minnesota, by H.W. Anderson, D.F. Farrell, W.L. Broussard, and P.E. Felsheim, U.S.G.S. Hydrologic Investigations Atlas HA-522, 1974 (1975).

Three sheets; Scales 1:250,000 (1 inch = about 4 miles) and 1:500,000 (1 inch = about 8 miles). Each sheet 33 by 41 inches. \$2.25 per set.



GUIDE TO AERIAL IMAGERY OF IOWA

Public Information Circular No. 8 is a Guide to Aerial Imagery of Iowa. This guide is available at a cost of \$3.00 (plus \$.30 postage and handling on mail orders) from the Iowa Geological Survey, 16 West Jefferson Street, Iowa City, Iowa 57240. It provides a series of multicounty area maps indicating the aerial photography available from governmental agencies and private companies. Satellite imagery is also indexed, and an explanation of how to obtain the photographs is included. To help the reader become more familiar with remote sensing, the guide offers a brief explanation of some of the principles of aerial photography and the equipment used to obtain the photography.

U. S. ERTS-1 MOSAIC AVAILABLE

Copies of a satellite space view of the conterminous United States have been printed by the U.S. Geological Survey for public sale.

The black and white mosaic of images taken by NASA's LANDSAT-1 earth resources survey satellite (formerly called ERTS-1) shows what the nation looks like from 570 miles in space.

The 29x41 inch copies printed by the USGS at a scale of 1:5,000,000 are reproductions of a larger master mosaic of the 48 conterminous states prepared by the USDA's Soil Conservation Service from parts of 595 LANDSAT-1 pictures taken between July 25, 1972, two days after the satellite's launch, and October 31, 1972.

Copies of the space view of the United States may be purchased from the USGS for \$1.25 each. Copies are available from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads St., Arlington, Va. 22202.

Specify either Band 5 or Band 7 (see Wisconsin Mapping Bulletin, Vol.1, No. 2, April 1975). Both versions have state boundaries in broken white lines.

AUTOMATION IN CARTOGRAPHY

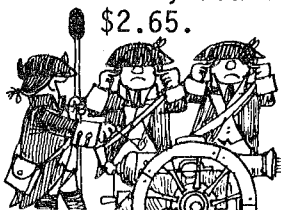
September 21-25, 1975

The U.S. Bureau of the Census, in cooperation with the American Congress of Surveying and Mapping, is sponsoring an "International Symposium of Computer Assisted Cartography" in Washington, D.C. on September 21 through 25, 1975. For additional information contact: Symposium Secretariat, U.S. Bureau of the Census, Washington, D.C. Telephone: (301) 763-7094.

PUBLICATIONS OF INTEREST TO SURVEYORS

The State Coordinate Systems (A Manual for Surveyors) by NOAA, Special Publication No. 235, revised June 1974, available from the Superintendent of Documents, Washington, D.C. 20402, \$1.10.

Manual of Plane Coordinate Computations by NOAA, Special Publication No. 193, revised 1974, available from the Superintendent of Documents, Washington, D.C. 20402 \$2.65.



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