

ANNUAL REPORT 2016-17



WISCONSIN STATE CARTOGRAPHER'S OFFICE

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A BRIEF HISTORY OF THE STATE CARTOGRAPHER'S OFFICE

Arthur Robinson was the driving force behind the creation of the Wisconsin State Cartographer's Office. Robinson began advocating for the office in the early 1960s. With the support of Speaker of the Assembly Norman Anderson, Robinson helped craft the legislation that formally created the State Cartographer position in 1973 as a special program within the University of Wisconsin. Robinson's vision was that the State Cartographer would serve the citizens of the state through dissemination of cartographic information, preparation of special-purpose maps, and coordination of mapping activities to improve efficiency and reduce costs.

Responsibility for the State Cartographer was assigned to the Chancellor's Office at UW-Madison by John C. Weaver, President of UW System. The Dean of the College of Letters & Science was directed to establish and assume administrative control over the State Cartographer's Office (SCO). A search committee chaired by Arthur Robinson was also established and the first State Cartographer, Art Ziegler, was appointed in 1974.

The UW-Madison Geography Department allocated space for the SCO in Science Hall. Staffing consisted of the State Cartographer, a specialist, and part-time student hourly clerical assistants. The Committee on State Cartography, the SCO's advisory committee, was also created at this time. Many Geography faculty members have served as Committee chair, including Arthur Robinson, Joel Morrison, Phil Muehrcke, David Woodward, Waltraud Brinkman, Jim Burt, Bob Ostergren, Tom Vale, Rob Roth, and A-Xing Zhu.

Art Ziegler retired in 1990, and Ted Koch was appointed State Cartographer in 1991. Koch retired in 2009, and the current State Cartographer, Howard Veregin, was then appointed. Over its history, the SCO has been home to dozens of staff members and hundreds of student assistants.

The statutory duties of the State Cartographer have changed little over the years and remain important to the vitality of the state's mapping programs. The SCO is a unique organization, the only office of its kind in the nation tied so closely to an academic institution. This arrangement has helped foster the "Wisconsin Idea" by bridging the gap between the university and citizens of the state.

Through these efforts, and thanks to the vision and determination of Arthur Robinson, the State Cartographer's Office continues to support Wisconsin's citizens and the state's mapping and geospatial communities.

Researched and compiled by SCO staff.



STATUTORY RESPONSIBILITIES

MAINTAIN A CATALOG of current and historic reference and thematic maps of Wisconsin available in municipal, county, state, and federal agencies.

COORDINATE AND PROMOTE COOPERATION amongst municipal, county, state, and federal mapping agencies and surveyors to facilitate coordination and exchange information on mapping and cartographic activities.

STAY UP-TO-DATE on the progress made by mapping agencies and their mapping developments.

COLLECT AND DISSEMINATE INFORMATION about innovations in cartographic techniques and procedures, map and air photo indexes, control data, map accuracy standards, legal aspects of map publication, and other topics in order to facilitate an effective cartographic program for the state.

PUBLISH AND DISTRIBUTE SPECIAL MAPS and map information to promote the mapping of the state and the use of maps by individuals, as long as such publication and distribution is not appropriately within the activities of any other state or commercial agency.

ASSIST THE DEPARTMENT OF NATURAL RESOURCES in its work as the state representative of the US Board on Geographic Names and its other functions.

Source: Wisconsin State Statutes, Chapter 36.25
docs.legis.wisconsin.gov/statutes/statutes/36/25

MISSION

OUR MISSION is to foster the development of Wisconsin's geospatial community by facilitating the creation and exchange of geospatial data, services, and information, and promoting their use in support of education, innovation, and delivery of services to the state's citizens.


OUR VISION is a Wisconsin geospatial community that is well-informed, supported, and collaborative, and that operates on complete, up-to-date, integrated information for effective analysis and service delivery.

OUR MISSION EMBODIES THE WISCONSIN IDEA, the principle that education should influence people's lives beyond the classroom, and that knowledge and expertise within the University of Wisconsin should enhance the quality of life for all citizens of the state.


Source: SCO 2016-17 Strategic Plan
www.sco.wisc.edu/images/stories/SCO/SCO_Strategic_Plan_2016-2107.pdf




SCO STAFF




Brenda Hemstead has been with the SCO since 1979. She manages technical and outreach projects providing services to Wisconsin's surveying community. Brenda's work also encompasses educational and outreach efforts such as the annual Geospatial Summit and the Parcel-Surveying Forum. As the longest-serving employee of the office, Brenda provides essential planning, financial, and organizational functions.
hemstead@wisc.edu :: 608-263-4371




Jim Lacy became Associate State Cartographer in 2004. He provides technical and managerial leadership for projects, answers public inquiries, coordinates print and Web publications, and provides support to geospatial organizations. Jim has a B.S. in Geography & Information/Computing Science from UW-Green Bay and an M.S in Cartography/GIS from UW-Madison.
lacy@wisc.edu :: 608-262-6850




Codie See joined the SCO in 2013. He supports the development of new geospatial technologies and provides project and technical leadership for the statewide parcel map project. Prior to joining the SCO, Codie worked for Mapping Specialists and for the City of Janesville Planning and Engineering Departments. He is an alumnus of UW-Madison with a double major in Human Geography and Cartography/GIS.
csee@wisc.edu :: 608-890-3793



Howard Veregin was appointed State Cartographer in September, 2009. His prior positions include Director of Geographic Information Services at Rand McNally & Co., Associate Professor of Geography at the University of Minnesota, and Assistant Professor of Geography at Kent State University. He received his Ph.D. from the University of California-Santa Barbara in 1991. Howard is Director of the State Cartographer's Office with managerial oversight of all staff.
veregin@wisc.edu :: 608-262-6852



David Vogel joined the SCO in 2012 to work on cartographic projects and web applications. Much of his work focuses on the statewide parcel map project through the Wisconsin Department of Administration. David received his B.S. in Forest Management and Conservation Biology from UW-Stevens Point in 2008 and completed the GIS Certificate Program at UW-Madison in 2014.
djvogel2@wisc.edu :: 608-262-3065



A.J. Wortley joined the SCO in 1998. He provides technical leadership and project management for the SCO's suite of interactive mapping applications and outside-funded special projects as well as supervises the office's lab of student developers. He holds a B.S. in Civil Engineering from UW-Madison and is a Past President of the Wisconsin Land Information Association.
aj.wortley@wisc.edu :: 608-265-8106

STUDENT ASSISTANTS

Dawson Bancroft-Short GIS Certificate student, Geography Dept., UW-Madison. SCO student assistant since May, 2016.

Skylar Orenstein Buono Computer Science Certificate student, UW-Madison. SCO student assistant since June, 2017.

Austin Coppernoll Undergrad student, Geography Dept., UW-Madison. SCO student assistant since Dec., 2016.

Scott Farley Graduate student, Geography Dept., UW-Madison. SCO student assistant since June, 2017.

Ryan Halton Professional Masters in GIS student, Geography Dept., UW-Madison. SCO student assistant since Dec., 2016.

Sung-Hyun Kang Undergrad student, Computer Science, UW-Madison. SCO student assistant since June, 2017.

Tobin McGilligan Undergrad student, Geography Dept., UW-Madison. SCO student assistant from Dec., 2014 to Aug., 2016. Currently in the U.S. State Department's Internship Program at the U.S. Embassy in Mexico City.

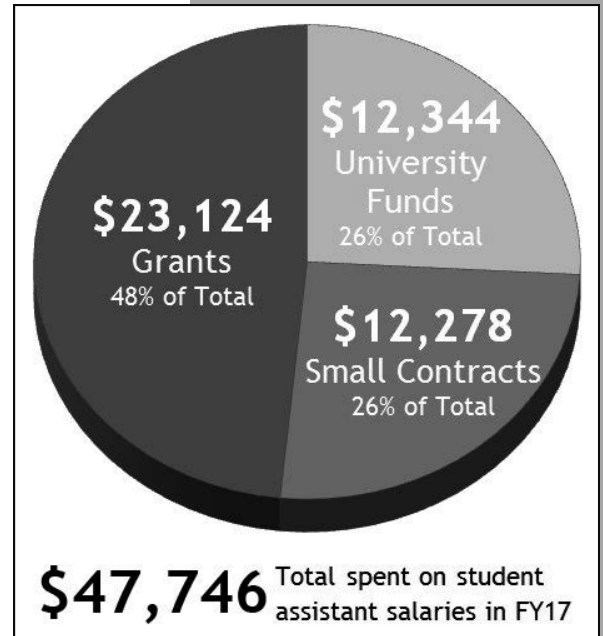
Chris Scheele Graduate student, Geography Dept., UW-Madison. SCO student assistant since May, 2015.

Ben Schroeder GIS Certificate student, Geography Dept., UW-Milwaukee. SCO student assistant from June, 2016 to Jan., 2017. Currently working for Esri in Washington, DC.

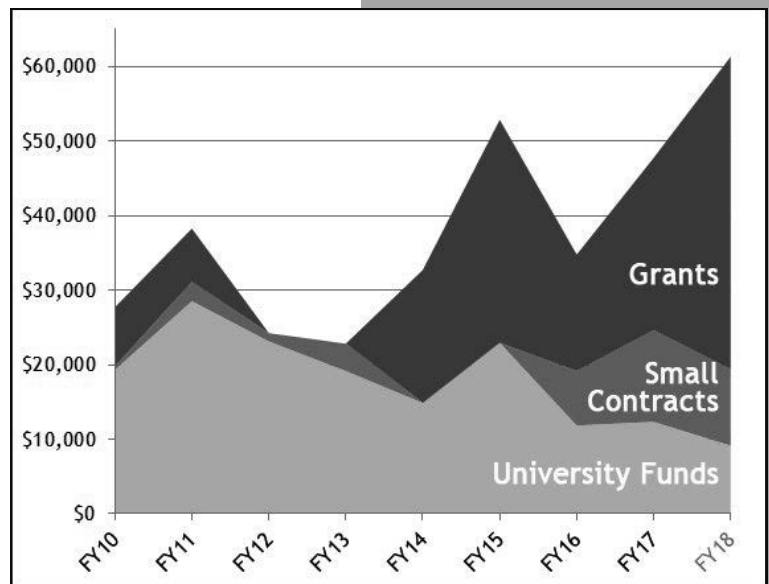
Ben Segal Undergrad student, Geography Dept., UW-Madison. SCO student assistant since June, 2017.

Beichen Tian GIS Certificate student, Geography Dept., UW-Madison. SCO student assistant since May, 2017.

Will Westbury GIS Certificate student, Geography Dept., UW-Madison. SCO student assistant from Dec., 2014 to Jan., 2017. Currently working for Pharmedika in Madison, WI.



SCO STUDENT ASSISTANT FUNDING SOURCES, FY17



SCO STUDENT ASSISTANT FUNDING SOURCES, FY10-FY17

SPECIAL STAFF

Ana Wells began working for the SCO in 2017 to assist with instructional development and implementation of educational workshops. Ana has a PhD in Soil Science from UW-Madison, a GIS Certificate from UW-Madison, an M.S. in Linguistics from UW-Madison, an M.S. in Computer Science from Universidad de las Américas, Puebla, México, and a B.S. in Chemical Engineering from Universidad Popular del Estado de Puebla, México.

STRATEGIC PRIORITIES



EDUCATION AND TRAINING. Deliver and support geospatial education and training opportunities.

RESEARCH AND INNOVATION. Engage in applied research and innovative projects to develop and disseminate information about new methods and practices.

DATA DEVELOPMENT AND INTEGRATION. Develop methods and best practices for statewide data development and data integration, with the goal of supporting regional, state, and national analysis and decision support.

DATA DISCOVERY. Improve online data discovery and access for the Wisconsin geospatial community and citizens, with the goal of providing efficient and timely access to best available data sources.

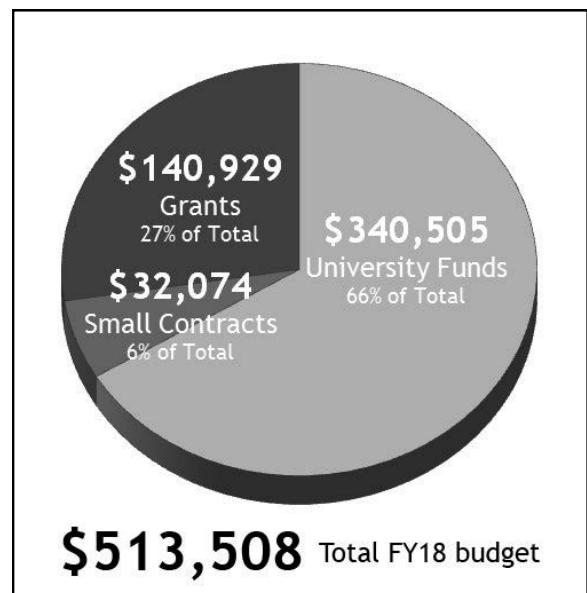
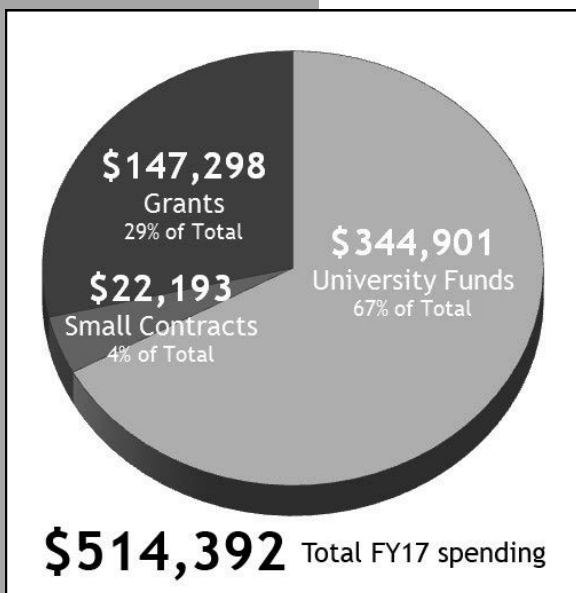
SUPPORT AND ENGAGEMENT. Continue efforts to engage, inform, coordinate, and support the Wisconsin geospatial community.

Source: SCO 2016-17 Strategic Plan
www.sco.wisc.edu/images/stories/SCO/SCO_Strategic_Plan_2016-2107.pdf

FUNDING



THE SCO IS A STATUTORILY ENABLED PROGRAM AT UW-MADISON. The office is affiliated with the Department of Geography in the College of Letters & Science. We receive an annual base budget allocation from the College for personnel and operating expenses. Additional financial support from the Division of Continuing Studies (DCS) facilitates our outreach mission. Grants and contracts make up the remainder of our funding.



FUNDED PROJECTS

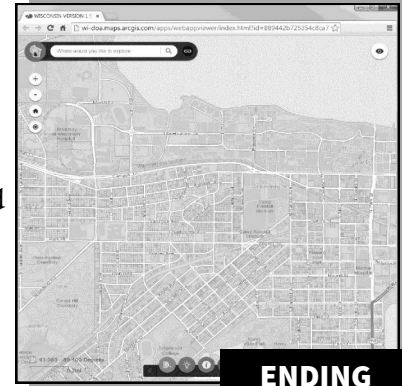
STATEWIDE PARCEL PROJECT, VER. 2

GOAL Create a digital statewide parcel dataset from county and municipal data, including all attributes required by statute, and make the layer available online.

PARTNERS Wisconsin Dept. of Administration (DOA); county/municipal land information offices.

FUNDING/TIMELINE \$136,951 from the DOA; 10/1/15-12/31/16

STUDENT ASSISTANTS Chris Scheele, Ryan Halton



ENDING

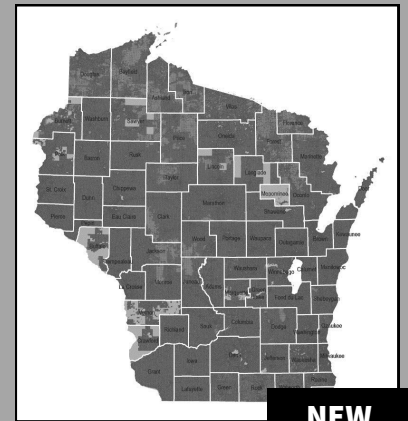
STATEWIDE PARCEL PROJECT, VER. 3/4

GOAL Enhance the statewide parcel database through automated asynchronous aggregation of local datasets, movement to a contributor model of aggregation, improvements to zoning data, and prototyping of public lands information delivery.

PARTNERS Wisconsin Dept. of Administration (DOA); county/municipal land information offices.

FUNDING/TIMELINE \$234,000 from the DOA; 1/1/17-12/31/18

STUDENT ASSISTANT Ryan Halton



NEW

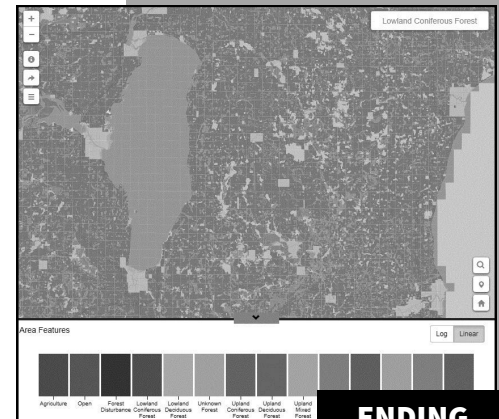
HISTORIC COASTAL GEOPORTAL

GOAL Develop a historic geospatial database and online mapping application featuring Wisconsin Land Economic Inventory (“Bordner Survey”) data for Wisconsin’s coastal counties.

PARTNERS David Mladenoff Forest Ecosystem and Landscape Ecology Lab, UW-Madison.

FUNDING/TIMELINE \$56,600 from the Wisconsin Coastal Management Program, 7/1/16-6/31/17

STUDENT ASSISTANT Chris Scheele



ENDING

LIFEMAPPING

GOAL Develop a beta version of software for LifeMapping, a university-based project seeking to attract users and investment to its interactive mapping product. The project hopes to spinoff from campus as an independent company in early 2018.

PARTNERS Dean Olsen (UW student & project founder), UW Cartography Lab, Earthling Interactive, KW2 Marketing.

FUNDING/TIMELINE \$46,000 (portion of a larger \$200,000 project funded by D2P, UW-Madison); 1/1/17-12/31/18

STUDENT ASSISTANTS Scott Farley, Sung-Hyun Kang, Skylar Orenstein Buono, Chris Scheele

LifeMapping ©

NEW

STATEWIDE LAND COVER MAPPING

BACKGROUND

USDA has a long history of mapping land cover in Wisconsin. The current land cover map, the Wisconsin Statewide Land Cover Map, was created in the 1990s.

Funding for the project was provided by the U.S. Fish & Wildlife Service through the Pittman-Robertson Wildlife Restoration Act. The project will run through June 2016.

A 2012 report by Dave Truett, DNR, James Smith and the need for a new land cover map as a way for the DNR to improve land habitat management.

The map will also allow the DNR to map tree types important to Wisconsin's economy.

More generally, land cover maps are used to monitor biodiversity, habitat loss, effects of climate change, and track land management development time.

PROJECT TEAM

The State Geographer's Office is coordinating the project and creating a digital land cover map.

A project team from the UW-Madison Department of Land Use, Urban & Environmental Planning is providing technical support to the State Geographer's Office.

The DNR is supported by a Graduate Intern of Geographic Information Systems.

ENDING

WISCLAND 2

GOAL Create a new digital statewide land cover dataset to replace the current 1990s-era data.

PARTNERS Department of Forest & Wildlife Ecology, UW-Madison; Wisconsin Department of Natural Resources (DNR).

FUNDING/TIMELINE \$432,000 from the DNR through the US Fish & Wildlife Service/Pittman-Robertson Wildlife Restoration Act; 5/1/14-9/31/16

STAFF Carly Mertes, Jo Horton, Matt Bougie



NEW

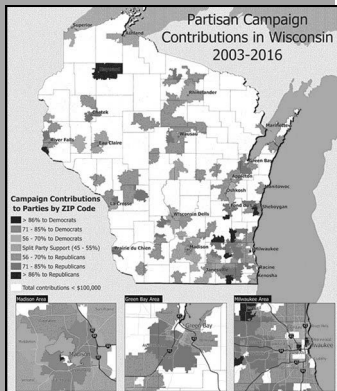
WISCONSIN LAND ECONOMIC INVENTORY (“BORDNER”) MAPS

GOAL Continue digitizing the Wisconsin Land Economic Inventory (WLEI or “Bordner Survey”) maps with the eventual goal of completing the entire state.

PARTNERS David Mladenoff Forest Ecosystem and Landscape Ecology Lab, UW-Madison.

FUNDING/TIMELINE \$10,000 from the John C. Bock Foundation , 10/1/17 – 4/30/19

SELECTED STUDENT PROJECTS

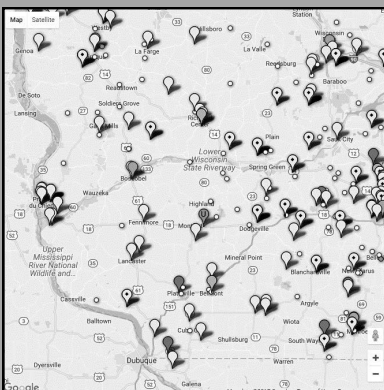


PARTISAN CAMPAIGN CONTRIBUTION MAPS

GOAL Create poster-sized maps showing partisan campaign contributions in Wisconsin by ZIP code for 2003-16.

CLIENT Wisconsin Democracy Campaign

STUDENT ASSISTANT Dawson Bancroft-Short



RENEWABLE ENERGY INTERACTIVE MAP

GOAL Migrate Fusion Table map of renewable energy installations to current version of software and add functionality.

CLIENT RENEW Wisconsin

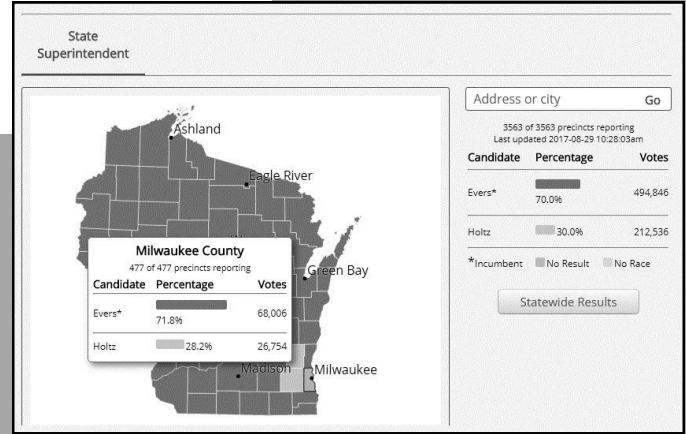
STUDENT ASSISTANT Austin Coppernoll

EXPERIMENTAL CRIME MAPPING

GOAL Create a spatial database with custom map layers including City of Madison Police incident reports, and race and demographic data.

CLIENT Martin Whitehead, CEO at HI-TAPO

STUDENT ASSISTANT Will Westbury



ELECTION RESULTS VISUALIZATION REDESIGN

GOAL Create new interactive map of real-time election results for wisconsinvote.org

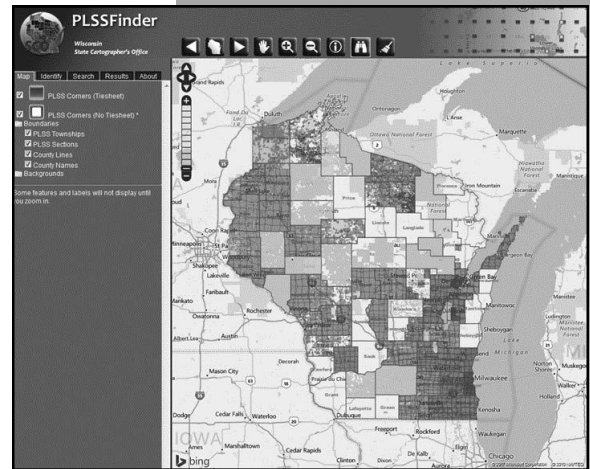
CLIENT Wisconsin Public Television/ Radio

STUDENT ASSISTANT Will Westbury

PLSSFINDER UPDATES

GOAL Process Public Land Survey System (PLSS) corner data for over 60 counties to update PLSSFinder. Work with counties to comply with Benchmark 4 of the Statewide Parcel Map Project to deliver updated PLSS information to the State Cartographer's Office for public access.

STUDENT ASSISTANTS Dawson Bancroft-Short, Austin Coppernoll



SCO STUDENT ALUMNI

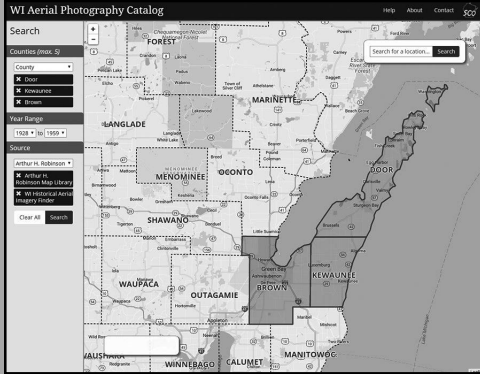
The State Cartographer's Office has provided service learning opportunities for University of Wisconsin students for nearly 40 years.

We value the importance of connecting students to real-world problems as they begin their school-to-career transition, and we are proud of the many students who have worked at the SCO since 1974!

If you are an SCO alum, please send a note to sco@wisc.edu and let us know what you are up to.

For a listing of alums, visit the SCO Alumni Page at www.sco.wisc.edu/sco/alumni.html

SCO WEB APP UPDATES



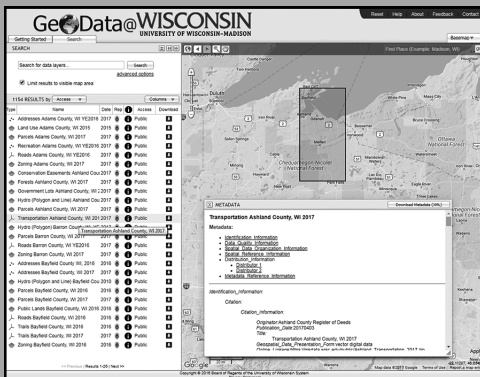
The **AERIAL PHOTOGRAPHY CATALOG** has been upgraded to provide a more intuitive interface, improve database quality, eliminate obsolete records, and streamline the process for managing database updates.

STUDENT ASSISTANTS Caitlin Wolters (former student), Ben Schroeder



WHAIFINDER, which delivers scans of 1930s-era aerial photographs for the entire state, has been upgraded using the Leaflet JavaScript library and the CARTO platform.

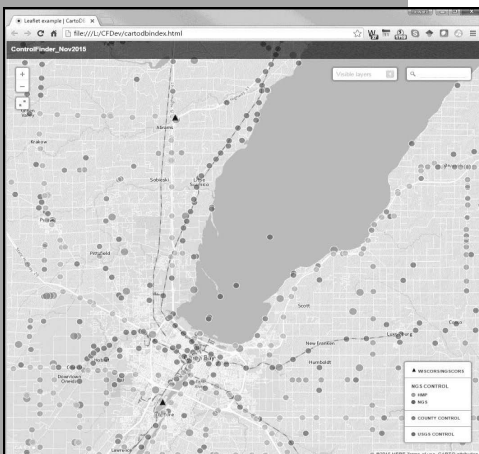
STUDENT ASSISTANTS Tobin McGilligan, Ben Schroeder



GEODATA@WISCONSIN, providing single-point discovery and download of Wisconsin local and statewide GIS datasets, now contains over 600 public-access datasets.

PARTNER Jaime Martindale, UW-Madison Robinson Map Library

STUDENT ASSISTANTS Laura Poppelt & Ellen Falette (Robinson Map Library)



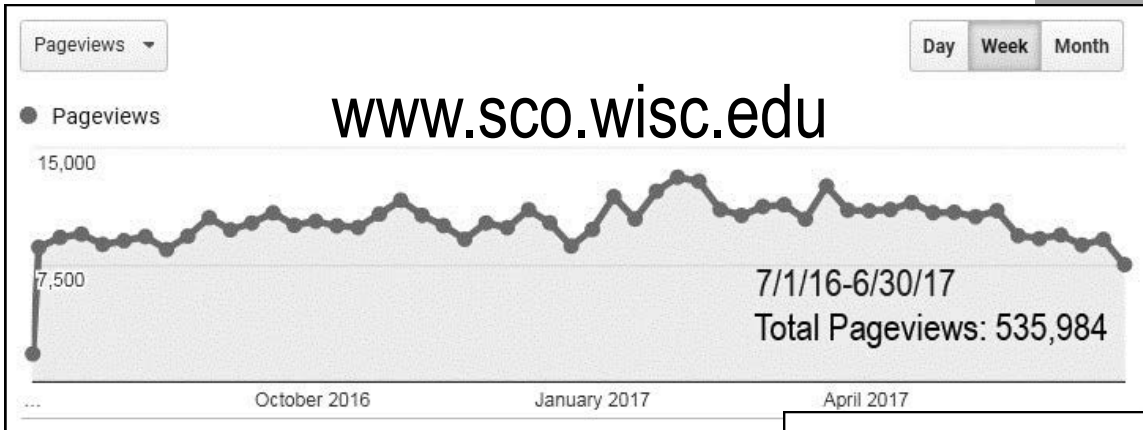
CONTROLFINDER and **PLSSFINDER**, which provide access to geodetic control data, Public Land Survey System corner data, county tie sheets, and National Geodetic Survey data sheets, are being merged into a single application.

PARTNERS County surveyors and land information offices, National Geodetic Survey.

STUDENT ASSISTANTS Matt Bougie, Will Westbury, Tobin McGilligan, Dawson Bancroft-Short, Ben Schroeder, Austin Coppernoll, Ben Segal

SCO WEB STATISTICS

The web statistics below are from Google Analytics. They show total pageviews for the SCO website, and the most popular pages on the SCO website, for the period 7/1/16 to 6/30/17.



The table below shows pageviews for the most popular SCO web apps for the period 7/1/16 to 6/30/17.

Most Popular SCO Web Apps	
By number of pageviews, 7/1/16-6/30/17	
1. Wisconsin Historic Aerial Image Finder (WHAIFinder)	31,828 (39.51%)
2. PLSSFinder	13,543 (16.81%)
3. GeoData@Arthur H. Robinson Map Library, UW-Madison	11,297 (14.02%)
4. Pronounce Wisconsin	10,080 (12.51%)
5. ControlFinder	7,730 (9.59%)
6. Aerial Photography Catalog	4,297 (5.33%)
Total Pageviews: 80,566	

Top 10 web pages	
By number of pageviews, 7/1/16-6/30/17	
1. Wisconsin State Cartographer's Office - Wisconsin Geospatial Jobs	80,545 (15.03%)
2. Platbooks and Land Ownership Maps Find Maps	42,434 (7.92%)
3. Home	39,393 (7.35%)
4. Wisconsin Historic Aerial Image Finder WHAIFinder	17,567 (3.28%)
5. Snowmobile Trail Maps Find Maps	15,298 (2.85%)
6. Lake and Lake Depth Maps Find Maps	14,608 (2.73%)
7. Wisconsin State Cartographer's Office - Wisconsin State Cartographer's Office	10,131 (1.89%)
8. Wisconsin High Points Mapping Topics	8,891 (1.66%)
9. PLSSFinder PLSSFinder	8,566 (1.60%)
10. Wisconsin State Cartographer's Office - Wisconsin Catalog of Aerial Photography	8,467 (1.58%)


SOCIAL MEDIA

 www.youtube.com/user/wistcart


<http://www.sco.wisc.edu/news-info/news-alerts.html>
Sign up for news alerts

 twitter.com/wistcart

<http://www.sco.wisc.edu/jobs/job-alerts.html>
Sign up for job alerts

 www.linkedin.com/company/state-cartographer%27s-office

THE SCO IN THE NEWS



WISCONSIN DEPARTMENT OF ADMINISTRATION

SCOTT WALKER
GOVERNOR
SCOTT NEITZEL
SECRETARY
Division of Intergovernmental Relations
Post Office Box 8944
Madison, WI 53708-8944
Voice (608) 267-3369
Fax (608) 267-6917

December 15, 2016

Senator Alberta Darling, Co-Chair
Joint Committee on Finance
Room 317 East, State Capitol
Madison, WI 53703

Representative John Nygren, Co-Chair
Joint Committee on Finance
Room 309 East, State Capitol
Madison, WI 53703

Dear Senator Darling and Representative Nygren:

This letter and the compendium of reports listed below constitute a report on the progress in developing a statewide digital parcel map to the Joint Committee on Finance, as required by s. 16.967(9)(b).

As part of the 2013-2015 biennial budget, Act 20, the legislature directed the Department of Administration to coordinate with counties in the creation of a statewide parcel map, develop a standard for parcel data called the "Searchable Format," and award further Wisconsin Land Information Program grants to counties, which are used to develop local parcel data.


In collaboration with the State Cartographer's Office and all 72 counties, DOA has been successful on these measures. We have developed a statewide parcel map that displays the parcel ownership boundaries of 3.47 million parcels connected to a database of information on assessment classification, ownership, valuation, address, and other relevant attributes. The statewide parcel map is important for improving the quality of Wisconsin's real estate information, economic development, emergency planning and response, and other necessary citizen services. Only 15 other states currently have a statewide parcel map as Wisconsin now does.

Before the statewide parcel map was created, parcel data users had to request parcel datasets from many counties (sometimes paying exorbitant fees), deal with differing formats from county to county, and in some cases wait months for their requests to be fulfilled. With the statewide parcel map, Wisconsin created a one-stop shop for parcel data. The 2016 version of the statewide parcel map database, released on August 31st, has already been downloaded over 1,000 times.

The statewide parcel map database has enabled Wisconsin state agencies and private sector businesses to operate more efficiently and effectively. They have reported savings in terms of staff time, hassle, and costs. Some examples of state agency uses include the Department of Natural Resources' wildfire risk analysis and the Department of Revenue's assessment of manufacturing properties. Private sector businesses that have reported benefits include Multiple Listing Services for real estate agents, utilities, forestry, and other companies.

WISCONSIN IS OPEN FOR BUSINESS
#Wisconsin

- LinkWISCONSIN Address Point and Parcel Mapping Project Final Report
- WLIP Program Plan: 2016-2021

Sincerely,

Scott A. Neitzel
Secretary

cc: Members, Joint Committee on Finance

Letter from Wisconsin DOA Secretary Scott Neitzel to the Joint Finance Committee about the statewide parcel map

NEWS

SEARCH news stories

SCIENCE & TECHNOLOGY STATE & GLOBAL SOCIETY & CULTURE HEALTH & WELLNESS CAMPUS NEWS UW IN THE NEWS FOR MEDIA

State cartographer's office releases third edition of statewide parcel map

July 28, 2017 | By David Tomczak | For news media

[f](#)
[t](#)
[in](#)
[e](#)




As a location in La Crosse County, state cartographer Howard Verugin, on left, stands next to a modern GPS-satellite surveying instrument. On right, Bryan Meyer, La Crosse County Surveyor and president of the Wisconsin County Surveyors Association, stands with a transit like the one likely used to survey this site. BY HOWARD VERUGIN, STATE CARTOGRAPHER'S OFFICE, UW-MADISON.

The state cartographer's office at UW-Madison has released the latest update to a portal that pulls together 72 county databases that document who owns which parcels of land in Wisconsin.

Heeding a mandate of the state legislature, the new interface processes and amalgamates data from countywide ownership databases and is intended to simplify planning for infrastructure, development, environmental preservation, and other activities that take place across county lines.

UW-Madison news story on the statewide parcel map
<http://news.wisc.edu/state-cartographers-office-releases-third-edition-of-statewide-parcel-map/>



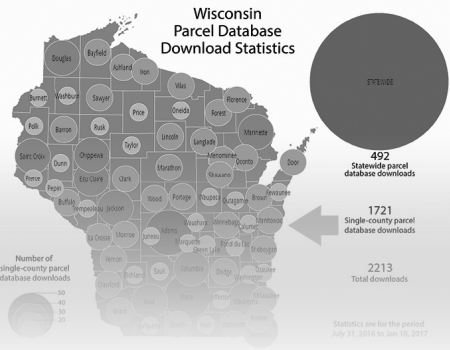
How Wisconsin Created a Sustainable Statewide Digital Parcel Database

Peter Herreid, Howard Veregin | March 8, 2017

Introduction

Wisconsin is one of approximately ten states that have developed a statewide digital parcel database that is complete, publicly accessible, stewarded, and based on a sustainable program to ensure that the database remains up-to-date. Wisconsin's parcel program was developed through cooperation and collaboration between state government, the University of Wisconsin, all seventy-two of Wisconsin's county governments, and a handful of municipalities that maintain parcel data separately from the counties.

The most current parcel database, Version 2, has been available online since July 31, 2016. In addition to the statewide database containing 3.4 million parcels, individual files are also available for each of Wisconsin's seventy-two counties. Through Jan. 18, 2017, there have been over 2200 downloads of these databases, equivalent to about 90 downloads per week.



Wisconsin Parcel Database Download Statistics

- 492 Statewide parcel database downloads
- 1721 Single-county parcel database downloads
- 2213 Total downloads

Statistics are for the period July 31, 2016 to Jan 18, 2017

Directions magazine article on the statewide parcel program
<https://www.directionsmag.com/article/1094>

Wisconsin Department of Natural Resources

Updated Wisconsin land cover mapping project breaks new ground

Weekly News Article Published: September 20, 2016 by the Central Office

MADISON - A new and modernized view of Wisconsin's land cover is now available to the public for use in multiple ways including forest management, conservation and urban planning and particularly in providing effective customized habitat and deer management plans for as many landowners as possible.

The two year Wisland 2.0 (2-point-0) project combines ground level mapping, satellite imagery, and USDA data in a product produced jointly by the Wisconsin Department of Natural Resources (DNR), UW-Madison and the State Cartographer's Office. The project was authorized by Gov. Scott Walker in the 2013-2015 biennial budget.

"Wisland 2.0 is the first update of our land map data in nearly 25 years," said Governor Walker. "While deer management and our critical Deer Management Assistance Program were the drivers of this effort, the mapping tools created by this project can also support everything from deer management to emergency response and preparedness to economic development."

The goal of Wisland 2.0 was to map the current vegetation, water, and urban patterns for the entire state. Having a current land cover dataset is a critical element in research and establishing scientifically based management plans that can also be used by counties, municipalities and the public.

Such a land map project was recommended by Dr. James Kroll in the 2012 Deer Trustee report. "A statewide geospatial information system should be developed which provides seamless support to all state resource managers across agencies. This would permit significant leveraging of research and development dollars by allowing data generated for a specific project to be used by all."

In addition to aiding the Deer Management Assistance Program (DMAP), Wisland 2.0 can also be used to identify habitat types that may be under-protected so management activities can be adjusted. The data available can be used to calculate forest fire risk and ultimately create a statewide forest fire risk map. It will allow DNR's Forestry Division to locate the various types of trees that are important to Wisconsin's economy. It can also be put to use in watershed and master planning efforts, just to mention a few.

Coordinated through the State Cartographer's Office, this updated view of Wisconsin's land cover was accomplished by using data from the U.S. Government's Landsat series of satellites followed up with a coordinated field collection effort combining DNR staff assistance and a DNR summer field collection crew that visited field locations during 2015 to collect land cover type information.

Funding for the project was provided by the U.S. Fish & Wildlife Service through the Pittman-Robertson Wildlife Restoration Act.

Anyone can download the new and improved [Wisland 2.0 data](#) from the DNR website.

For further information on the Wisland 2.0 project, go to [SCO Project: Statewide Land Cover](#). For information on the wildlife aspects of this application, contact the DNR's Frank Trcka at 608-267-7472.

The Official Internet site for the Wisconsin Department of Natural Resources

101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621

Wisconsin DNR Press Release about Wisland2
<http://dnr.wi.gov/News/Weekly/#art6>

EVENTS ORGANIZED

GEOSPATIAL SUMMIT UW-Madison, April 2017. The 8th annual Summit, attracting over 125 registrants. Panel discussion on Women in GIS, Jobs Fair, presentations, and keynote presentation by Marcy Bidney, Curator, American Geographical Society Library, UW-Milwaukee.

A DAY WITH YOUR COUNTY SURVEYOR Chula Vista Resort, April 2017. Facilitated by a Statewide Outreach Incentive Grant from the UW-Madison Office of University Relations and sponsorship from the Wisconsin Society of Land Surveyors. This was the 3rd annual Parcel-Survey Forum, with almost 100 attendees.

BASICS OF LIDAR DATA UW-Madison, March 2017. Cooperative effort with the State Geographic Information Office. 20 attendees.

BASICS OF LIDAR DATA UW-Madison, June 2017. Cooperative effort with the State Geographic Information Office. 20 attendees.



PROFESSIONAL PUBLICATIONS

T. T. Kennedy & H. Veregin. (2016). Parcelization in rural agricultural and forested landscapes in Wisconsin, 1972–2007: evaluating multiple dimensions of human decision-making over time. *Journal of Land Use Science*, 1-19.
<http://www.tandfonline.com/doi/abs/10.1080/1747423X.2016.1263686>



CONFERENCE PRESENTATIONS

- J. Lacy. (2017). *Wrapping up the Wisland 2 Land Cover Mapping Project*. Wisconsin Land Information Association Annual Conference, Wisconsin Dells.
- B. Meyer, B. Hemstead & H. Veregin. (2017). *The Public Land Survey System and its Role in Parcel Mapping*. Wisconsin Land Information Association Regional Conference, Fond du Lac.
- C. See, C. Scheele, D. Mladenoff & H. Veregin. (2017). *Engaging with Historical Geospatial Data to Address Coastal Management Issues*. UW-Madison Geospatial Summit, Madison.
- C. See & A.J. Wortley. (2017). *Engaging with Historical Geospatial Data to Address Coastal Management Issues in Wisconsin*. Wisconsin Land Information Association Annual Conference, Wisconsin Dells.
- H. Veregin. (2017). *GIS, Data Access, and the Wisconsin Register of Deeds Offices*. Wisconsin Register of Deeds Association Conference, Madison.
- H. Veregin & B. Hemstead. (2017). *County PLSS Remonumentation and the Statewide Parcel Map*. 68th Annual Surveyor's Institute, Wisconsin Society of Land Surveyors, Wisconsin Dells.
- H. Veregin. (2016). *GIS Resources for Conducting Historic Research*. Historic Preservation Consultants Seminar, Wisconsin Historical Society, Madison, Wisconsin.



GEOSPATIAL ASSOCIATIONS & AGENCIES

AMERICAN SOCIETY FOR PHOTOGRAMMETRY & REMOTE SENSING (ASPRS) WESTERN GREAT LAKES REGION Board of Directors, Treasurer (Lacy)

CARTOGRAPHY AND GEOGRAPHIC INFORMATION SOCIETY (CAGIS) Board of Directors (Veregin)

LAND INFORMATION OFFICERS NETWORK (LION) SCO Rep (Wortley)

MASTER OF GIS PROGRAM, UNIVERSITY OF MINNESOTA Advisory Board member (Veregin)

NATIONAL DIGITAL ORTHOPHOTO PROGRAMS STEERING COMMITTEE NSGIC liaison (Lacy)

NATIONAL GEODETIC SURVEY (NGS) Coordination for data and condition reports (Hemstead)

NATIONAL STATES GEOGRAPHIC INFORMATION COORDINATION COUNCIL (NSGIC)
State Rep (Veregin) :: NSGIC Representative, National Digital Orthophotography Programs Steering Committee (Lacy)

PUBLIC LAND SURVEY SYSTEM (PLSS) WORKGROUP Founding members (Hemstead, Veregin)

STATE AGENCY GEOSPATIAL INFORMATION COMMITTEE (SAGIC) SCO Rep (Lacy) :: Member, Geospatial Strategy Working Group (Lacy)

WISCONSIN COUNTY SURVEYORS ASSOCIATION (WCSA) SCO Rep (Hemstead)

WISCONSIN DEPARTMENT OF ADMINISTRATION (DOA), DIVISION OF INTERGOVERNMENTAL RELATIONS Project partner for statewide parcel project (See, Veregin, Vogel)

WISCONSIN LEGISLATIVE TECHNOLOGY SERVICES SUREAU (LTSB) Coordination of statewide parcel data access options (See, Vogel)

WISCONSIN GEOGRAPHIC NAMES COMMITTEE Ex officio member (Veregin)

WISCONSIN LAND INFORMATION COUNCIL (WLIC) Ex officio member (Veregin)

WISCONSIN LAND INFORMATION ASSOCIATION (WLIA) Board of Directors (Lacy) :: Communications Committee member (Lacy) :: Conference Planning Committee member (Hemstead, Lacy, Wortley) :: Education Committee member (Lacy) :: Legislative Committee member (Wortley) :: Membership Committee Member (Lacy) :: Scholarship Committee member (Wortley)

WISCONSIN PRESIDENTS' COUNCIL Coordination, meeting facilitation (Lacy) :: Ex officio member (Veregin)

WISCONSIN SOCIETY OF LAND SURVEYORS (WSLS) Web Site Committee, SCO Rep (Hemstead)

WISCONSIN DEPARTMENT OF TRANSPORTATION (SURVEY & MAPPING UNIT) SCO liaison (Hemstead)

CONFERENCES & MEETINGS ATTENDED

A DAY WITH YOUR COUNTY SURVEYOR Wisconsin Dells, April 2017

BIG DATA AND ECOINFORMATICS IN AGRICULTURAL RESEARCH Madison, April 2017

ESRI WISCONSIN USERS GROUP (EWUG) Green Bay, Nov. 2016

GEOSPATIAL SUMMIT UW-Madison, April 2017

LAND INFORMATION OFFICERS NETWORK MEETINGS Trego, Oct. 2016 :: Wisconsin Dells, Feb. 2017 :: Fond du Lac, June 2016

LEGISLATIVE TECHNOLOGY SERVICES BUREAU Census Meeting, Madison, Nov. 2016

SOUTHWEST WISCONSIN REGIONAL PLANNING COMMISSION Regional GIS Meeting, Dodgeville, August 2017

UW-EAU CLAIRE Geographic Education Initiative Summit, Eau Claire, July 2016

WISCONSIN COUNTIES ASSOCIATION (WCA) Annual Meeting, Milwaukee, Sept. 2016

WISCONSIN COUNTY SURVEYORS ASSOCIATION (WCSA) Board Meetings, Neillsville, 2016-17 :: Annual Membership Meeting, Wisconsin Dells, Jan. 2017

WISCONSIN DEPARTMENT OF TRANSPORTATION/TRIBAL HISTORIC PRESERVATION OFFICERS Listening Session, Stevens Point, Feb. 2017

WISCONSIN LAND INFORMATION ASSOCIATION (WLIA) Fall Regional Meeting, Oct. 2016, Trego :: Annual Conference, Feb. 2015, Wisconsin Dells :: Spring Regional Meeting, Jun.2016, Fond du Lac :: Board of Directors Retreat, Arbor Vitae, Mar. 2017

WISCONSIN LAND INFORMATION COUNCIL (WLIC) Madison, Aug. 2016; Nov. 2016; Mar. 2017

WISCONSIN GEOGRAPHIC NAMES COMMITTEE Annual meeting, Madison, Jan. 2017

WISCONSIN PRESIDENTS' COUNCIL Annual Meeting, Wisconsin Dells, Oct. 2016

WISCONSIN REGISTER OF DEEDS ASSOCIATION CONFERENCE Madison, Mar. 2017

WISCONSIN SOCIETY OF LAND SURVEYORS (WSLS) Annual Meeting, Wisconsin Dells, Jan. 2017

UNIVERSITY ACTIVITIES

UW-MADISON COLLEGE OF LETTERS AND SCIENCE, WORKPLACE CLIMATE COMMITTEE
Member (Veregin)

GUEST LECTURES Core Competencies of Sustainability, UW-Madison (Veregin) :: Leveraging Online Mapping for Spatial Narratives in Planning, UW-Madison (Wortley)

GEOGRAPHY DEPARTMENT, UW-MADISON Science Hall Building Committee member (Hemstead) :: Geocomputing Committee Member (Lacy) :: Department Finance Committee (Lacy) :: External Relations Committee member (Veregin, Wortley) :: Faculty and Staff Development Committee member (Veregin)

SCIENCE HALL AFTER DARK Planning assistance (Hemstead, Veregin) :: Mapathon (See, Wortley)

UW-MADISON GEOSPATIAL ALLIANCE Website development and maintenance (Lacy) :: Organization and hosting of Geospatial Summit (Hemstead, Veregin) :: Geospatial Career Fair (Lacy)

UW-MADISON PROFESSIONAL DEVELOPMENT AND RECOGNITION COMMITTEE
Member (Lacy)

INTRODUCTION TO GIS WORKSHOPS (Lacy and Jaime Martindale, Robinson Map Library)

ABOUT THE COVER

Our cover depicts Wisconsin artist Richard H. Jansen in front of his "Historical Map of Wisconsin".

The photo is from the Archives of American Art of the Smithsonian Institution. The full citation is "Richard H. Jansen, circa 1938 / unidentified photographer. Federal Art Project, Photographic Division collection, circa 1920-1965, bulk 1935-1942. Archives of American Art, Smithsonian Institution."

<https://www.aaa.si.edu/collections/items/detail/richard-h-jansen-2178>

According to the Smithsonian, the Federal Art Project (FAP) was one of the Depression-era work-relief programs of the Federal Works Progress Administration (WPA). Under the Federal Art Project, photographic divisions were set up in several states to document the work and activities of artists employed on the program.

Richard Jansen was born in Wisconsin in 1910 and studied at the Layton School of Art in Milwaukee. He completed several murals for the Works Project Administration (WPA). One of his murals, "Dairy Farming," was installed in the Reedsburg, Wisconsin, Post Office (see <https://www.wisconsinhistory.org/Records/Property/HI46641>). Jansen died in 1988. (Anita Price Davis, "New Deal Art in North Carolina," McFarland & Co., 2009)

Can you help us find Richard Jansen's Historical Map of Wisconsin? It was housed in the Wisconsin Historical Society archives until 1942, when it was loaned to the Milwaukee Public Library. See the record card photo below.

Please contact Howard Veregin at (608) 262-6852 if you have any information.

A608
DPS Form 10

FEDERAL WORKS AGENCY
WORK-PROJECTS ADMINISTRATION
WPA ART PROGRAM
RECORD CARD

State Wisconsin

SECTION I - To be filled in for all completed works

Name of artist Richard Jansen Medium Casein
Title of work Historical Map of Wisconsin Date Completed May 25, 1939
State Wisconsin County Milwaukee City Milwaukee
Size of work 7' x 8' Unmatted....Matted....Unframed....Framed....
..
..
..

SECTION II - To be filled in for works allocated or loaned

To what agency has this work been allocated? Loaned? Date 4/24/42

Name Milwaukee Public Library Address Attention Mr. Richard Krug (Librarian)
City Milwaukee State Wisconsin

If loaned, indicate length of time loan approved _____

SECTION III - To be filled in for works sent to Washington

Is this work to be returned to the state? _____ Photograph Negative No. _____
Date of return _____
Place of return _____ Date returned _____

