



DRAFT

Wisconsin Land Information Council Minutes 2025-02-25

Meeting Date: Wednesday, February 25, 2026
Time: 2:00–4:00 p.m.
Location: [WLIA 2026 Annual Conference](#) | Wisconsin Dells, Glacier Canyon Lodge, Room Sandstone 4-5
Remote ID: [Click here to join the meeting](#) | Meeting ID: 234 850 687 005 64 | Passcode: tt9TX6nQ
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 390 204 849#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	N	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	N	Joe Tew	N
Kelly Felton	Y	Christina Muller	N	Howard Veregin	Y
Steve Schauer	Y	Cody Brommerich	Y	Rachel Thompson	Y
GIO (Vacant)					

Other Attendees

Mike Friis, Peter Herreid, Nik Anderson, Nick Gamroth, Staci Hoffman, Zach Robinson, Forrest Funmaker, Tammy Malach, Davita Veselenak

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2025-10-13](#)
 - Motion to approve by Brommerich, seconded by Felton.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - a. **Council membership full following appointments for WLIC positions**
 - Friis reported on the Department of Administration (DOA) WLIC membership.
 - Appointments were made in December for several WLIC representatives (real property lister, land information officer, county surveyor, utility industry representative, register of deeds, and licensed professional land surveyor). Membership is full.
 - b. **Geographic Information Officer position update**
 - Friis reported on the Geographic Information Officer (GIO) position, which is currently vacant.
 - There have been a number of vacancies in the DOA Division of Intergovernmental Relations, all of which while going through the human resources process can take a significant amount of time to fill.
 - DOA has had some trouble filling certain positions, especially those that require a licensed professional land surveyor. The Plat Review Supervisor and another surveyor position had to be posted multiple times.
 - The GIO position is likely next on the human resources docket. The timeline is not certain, but the goal is to post a job announcement this year.
 - There was discussion of what council members could do to support staffing of the GIO position, the possibility of reviewing the previous position description (PD), and how HR policies might affect the feedback process. Discussion of action items was tabled until the end of the meeting.

4. WLIP Program Update (Peter Herreid)

a. WLIP grants and program status

- Herreid provided WLIP program updates.
- The program is in the course of the normal WLIP grant cycle, with 2026 grant agreements being executed. Strategic Initiative grants for 2026 were at the \$20,000 level.
- Register of deeds document recordings are up about 10% for the first half of State FY2026 (July–December 2025). This could mean a slight increase for 2027 Strategic Initiative grants to the \$25-30,000 level, assuming document recordings remain up through June 2026, when the state fiscal year ends.
- Derringer pointed out that the WLIP program priorities were captured in a 2016 document called the WLIP Program Plan (https://doa.wi.gov/DIR/WLIP_Program_Plan_2016-2021.pdf), and encouraged council members to read it and come up with any questions they might have before the next WLIC meeting.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status and lidar projects (Adam Derringer)

- Derringer reported on the Wisconsin Regional Orthoimagery Consortium (WROC) imagery program.
- 2025 saw collection of data for 33 counties, with the majority of it 3-inch resolution orthoimagery.
- Regarding the 3DEP lidar grant program, in 2025 there were 12 lidar projects. Seven of those were Quality Level 0 (QL0) projects featuring data at the 30 points per meter (ppm) lidar data standard. Five counties in the Wolf River watershed area were collected at the QL1 specification and are starting to be processed before they are sent to the United States Geological Survey (USGS).
- In 2026, there are 19 counties flying imagery this spring. Sixteen will be 3-inch resolution and three counties will be 6-inch.
- Largely in a contiguous area around the upper Fox River valley, eight counties are doing lidar projects this spring.
- About 40 counties are now on a 3-year cycle for collection of imagery, rather than collecting every 5 or ten years.
- Statewide open access to high resolution imagery will soon be available as a service, hosted by the Department of Transportation.
- The WROC consortium has been the largest yet, with about 120 different partners or members participating. Checks are projected to be going out to counties this May to June.

b. Legislative update on AB216/SB218 real estate transfer fee (Nik Anderson and Nick Gamroth)

- Anderson provides updates on AB216/SB218, the real estate transfer fee funding bill. It proposes using part of the real estate transfer fee (RETR) in order to fund the Land Information Program.
- The bills passed committees in the Senate and Assembly, but it looks like the legislation is not going to pass during this session. However, efforts by the Wisconsin Land Information Association (WLIA) will continue.
- The WLIA Legislative Committee will review the approach going into next legislative session. With elections in November, there is a possibility of political changeup. There are different possible approaches to increasing land information funding. WLIA is open to all options and will seek out legislative champions.

c. Other legislative updates (Nik Anderson and Nick Gamroth)

- Gamroth provided updates on various legislation, including (AB831/SB813), the personal property cleanup bill that deals with building, fixtures, and improvements (BFIs).
- A metes and bounds legal description was removed from the draft legislation. BFIs will likely be tracked in the geospatial world as points rather than polygons.
- WLIA and stakeholders are working with the Department of Revenue on the DOR-prescribed forms that will be attached to the BFI document itself.
- The election official shielding law (2025 Wisconsin Act 7) went into effect in July of 2025 but offers no specific guidelines on shielding an election official's personal information. There are to-date no known cases of requests for shielding under Act 7.
- The WLIA Legislative Committee has advised the Wisconsin Counties Association and other stakeholders on other potential land records-related legislation which did not go anywhere, such as the uniform easement relocation act.
- The WLIA Legislative Committee has made updates to WLIA white papers on the website (<https://www.wlia.org/legislative-whitepapers>).

d. Act 235 Judicial Privacy Law implementation update (Staci Hoffman)

- Hoffman reported on Act 235 trailer legislation, now [2025 Wisconsin Act 25](#), signed into law in August. It clarifies some provisions of the judicial privacy law.
- Only eight counties in the state have received requests for shielding under the law.
- Gamroth stated that WLIA will be continuing to look out for privacy-related efforts in future legislative sessions, with discussions ongoing on how to potentially handle possible future protected classes and privacy legislation as a whole.
- WLIA published a [Judicial Privacy Task Force Final Report](#) that includes recommendations.
- [AB445](#) deals with clarification of Register of Deeds duties and is scheduled to be heard in an Assembly floor session on March 17, 2026.
- AB445 makes a change to the fee for transportation project plats, which was formerly a \$25 fee that was fully retained by the county. If the legislation passes, transportation project plats will be subject to the flat \$30 document recording fee. This is estimated to affect state revenues by 2,000 dollars for the state over the course of one year.

e. State Cartographer's Office Update (Howard Veregin)

- Veregin provided updates on various SCO projects.
- For the statewide parcel map, DOA and SCO are twelve years in, on Version 12 (V12). Parcel data is available on the [parcel webpage](#) archived going back to V1. A statewide PLSS layer is also available.
- On the matter of judicial privacy shielding, SCO has so far received zero requests for shielding. A workflow is in place with a process approved by UW–Madison legal counsel.
- SCO is hosting a free all-day forum for PLSS. The [2026 PLSS Forum](#) will be held in Antigo, Wisconsin on Thursday, May 14th, 2026.
- SCO is also facilitating a group on the topic of the state line. There is interest in a GIS layer depicting the state boundary. There are currently a variety of boundaries and GIS datasets in use which fall short on cartographic accuracy. SCO intends to put together a white paper with the Wisconsin County Surveyors Association and other stakeholders like state agencies.
- SCO is also undertaking a “government lands” project, relating to parcels and the depiction of public lands. Property owner name information and the attribute [AUXCLASS](#) (auxiliary class of property) in the statewide parcel layer are useful in beginning to identify federal, state, and county-owned lands. But there are different ways that local governments use the AUXCLASS values, complicated cases that do not code easily, and limitations in local data where property listers are restricted to maintaining data that is consistent with the deed. The SCO government lands effort is expected to be a basic starting point.
- SCO and the Forest Landscape Ecology Lab offer a database and updated search interface for General Land Office (GLO) plat maps and survey notes from the 1830s-1860s, in the [Wisconsin General Land Office Survey Records Database](#).
- In 2025, SCO released an app called the [Bordner Survey Viewer](#), featuring 1930s-era data that mapped land use. It was a multi-year funded in part by the Department of Natural Resources and the Wisconsin Coastal Management Program (WCMP).
- In other WCMP projects, an estuary map of the Lake Superior National Estuarine Research Reserve was completed. A project called OneMap for coastal and other resource management in Brown and Outagamie County harmonized different data layers. A conservation habitat easement tool has also been developed.
- [GeoData@Wisconsin](#) is now hosting the WisconsinView imagery archive in a web service container with discoverable and downloadable data.

6. Other Business

- There was discussion of the GIO position, and how the Council might advise DOA in the hiring process.
- It was concluded that Council members could review the former position description and prepare content for sharing with DOA no later than next WLIC meeting, projected to be on May 18, 2026.
- Council members could reach out to their constituent groups for comments, possibly formulating a bulleted list of duties, to send to DOA.
- Friis encouraged that comments be based on the existing PD, with focus what would appear to be missing from the job description. He will meet with division leadership on the timeline.
- The 2014 PD and 2007 PD are public documents.
- Reference:
 - [Appendix A – 2014 DOA Geographic Information Officer Position Description](#)

7. Next Steps/Action Items

- Next WLIA meeting – WLIA [2026 Spring Conference](#): May 18-20; Ashland
- Mike Friis: Obtain and share 2014 GIO position description.
- Council members: Reach out to constituents on GIO PD with comments back by May 4th.
- Council members: Read and prepare comments/questions on [WLIP Program Plan](#) for the next WLIC meeting.

8. Adjourn

- Meeting adjourned at 3:42 pm ###

2014 DOA Geographic Information Officer Position Description

Geographic Information Officer
Policy & Initiatives Advisor - Admin. (81-02)

Position Summary

Under the general direction of the Division of Intergovernmental Relations Division Administrator and as a part of the Wisconsin Land Information Program, serve as the state's Geographic Information Officer. Identify Wisconsin's geographic information needs and priorities, and provide leadership and coordination amongst the geospatial community to meet those needs. Prepare guidelines to coordinate the modernization of land records and land information systems. Make recommendations on WLIP program and policy, including local funding prioritization in the form of WLIP grant requirements.

Goals and Worker Activities

A. 20 % - GENERAL: Serve as the state's Geographic Information Officer.

- A1. Act as a geographic information expert for the State of Wisconsin.
- A2. Recommend policies, legislation, and implementation strategies needed to develop and maintain Wisconsin's geographic information infrastructure.
- A3. Engage in statewide strategic GIS coordination, planning, and related budgeting responsibilities, while meeting the objectives of the Governor's "Lean Government" initiative.
- A4. Stay abreast of changing enterprise GIS business needs and technology capabilities and make recommendations for changes to strategic direction as appropriate to ensure that Wisconsin government leverages technology effectively in service delivery.
- A5. Look for new sources of funding for land information, including federal grants.
- A6. In cooperation with the DOA Division of Enterprise Technology, provide assistance and advice to state agencies and local governmental units with land information responsibilities, as directed in s. 16.967 (3)(a).
- A7. Promote and facilitate GIS data sharing, and make recommendations for information sharing arrangements with state, local, and tribal governments.

B. 30% - LEADERSHIP/COORDINATION: Identify Wisconsin's geographic information needs and priorities, and provide leadership and coordination amongst the geospatial community to meet those needs.

- B1. Play a lead role in the Statewide Digital Parcel Map Initiative, including the engagement of stakeholders in participatory planning process and other strategic planning and implementation tasks.
- B2. Strengthen the working relationship between state agencies and the federal, local, or tribal governments in the state.
- B3. Coordinate with the GIS units of Wisconsin's state agencies.
- B4. Analyze the interests of land information stakeholders, such as land information officers, register of deeds, surveyors, emergency management coordinators, realtors, real property listers, land use planners, zoning administrators, and state agency GIS personnel.
- B5. Communicate strategic GIS issues at the appropriate level across a range of stakeholders including elected and appointed officials, organization executives, business/program managers, technology professionals, vendors, and the public.
- B6. Meet with the State's Information Technology Directors Council, Wisconsin Land Information Association (WLIA), Land Information Office Network (LION), State Agency Geographic Information Committee (SAGIC), Wisconsin Geographic Information Coordinating Council (WIGICC), and serve as a delegate to the National States Geographic Information Council (NSGIC), and other relevant groups.
- B7. Serve on Committee on State Cartography, the advisory committee to the State Cartographer's Office (SCO).
- B8. Coordinate with SCO to maximize efficiencies between the statutory duties of SCO and DOA.
- B9. Make recommendations and strategize on how to implement recommendations from the 2012 Deer Trustee Report.
- B10. Support and help state agencies coordinate geospatial data layers that are needed to support public safety and emergency management activities when an Emergency has been declared by the Governor.

C. 30% - STANDARDS: Prepare guidelines to coordinate the modernization of land records and land information systems, as directed by s. 16.967(3)(c).

- C1. Through a collaborative process, create standards and guidelines for Wisconsin geospatial data and metadata for state, regional, and local units of government so that data and metadata can be made available in a manageable, interoperable, and consistent format.
- C2. Research change and advancements in GIS technology and practices, leading the development of an enterprise vision for statewide geographic information systems policies and standards, and work in cooperation with the DOA Division of Enterprise Technology to implement GIS technologies.
- C3. Facilitate the review, assessment, and approval of county land information plans, as well as updates to county land information plan instructions.

D. 20% -WLIP COORDINATION: Make recommendations on WLIP program and policy, including local funding prioritization in the form of WLIP grant requirements.

- D1. Identify and prioritize strategic statewide objectives for the WLIP within the WLIP framework elements, including the development of a statewide digital parcel map.
- D2. Prioritize GIS map layer development and work towards achieving complete and maintained statewide coverage for prioritized layers.
- D3. Through a participatory planning process, assist in the development of benchmarks for county land information system development, including but not limited to parcel and property tax assessment data.
- D4. Assist in the update of WLIP grant agreements.
- D5. Assist in monitoring and enforcement of WLIP grant agreements, including requirements for data sharing.

Position Description - Knowledge and Skills Required

General

- Strong oral communication and interpersonal skills including the ability to establish credibility, use consensus-building to reach decisions, moderate meetings and panels, and lead a workgroup that effectively and efficiently uses participants' time.
- Knowledge of Wisconsin Land Information Program statutes, administrative rule, and grant program.
- Knowledge of Wisconsin Land Information Program stakeholder groups, such as Land Information Officers Network (LION), Wisconsin Land Information Association (WLIA), Wisconsin Register of Deeds Association, and State Agency Geographic Information Committee (SAGIC).
- Broad knowledge and experience working with government or public administration at all levels, including understanding of public sector business environment and use of information technology.
- Experience in analyzing enterprise business and technology issues in a large corporation or government organization.
- Strong analysis skills grounded in technology, business planning, and management.
- Strategic planning and/or business plan development experience.
- Strong written communication skills including the ability to communicate technical information effectively to a wide range of audiences including the public and produce clear, concise reports and proposals.
- Ability to learn quickly, synthesize complex information, identify key points, and communicate results accurately and effectively.
- Resourceful in identifying and obtaining information sources needed to perform responsibilities effectively.
- Ability to manage projects, and parse large projects into individual tasks to achieve short-term results in service of long-term goals.

GIS / Technical

- Knowledge of GIS technology principles and practices.
- Experience with or understanding of Esri's ArcGIS technologies and/or related third party GIS or imaging software.
- Familiarity with GIS/technical skill in areas such as: geodatabase design, cadastral mapping, historical data archival/retrieval, cartography, data modeling, programming, metadata creation and data publishing, and/or data quality standards.
- Experience with or understanding of parcel indexing and addressing systems.

2007 DOA Geographic Information Officer Position Description

Policy Initiatives Advisor - Administrative
Geographic Information Officer

Position Summary

Under the general direction of the Chief Information Officer (Division Administrator), supervise and manage the Geographic Information Systems and Information Systems Section of the Administrator's Office. Coordinate GIS activities among state agencies, counties, cities and tribal governments. Establish an enterprise geographic information service for all levels of government including appropriate data sharing using best practices. Identify and create policies and strategies for the enterprise Geographic Information Systems. Oversee the awarding of grants to fund geospatial data and to create information sharing agreements with all levels of government in Wisconsin. Manage systems integration functions such as the enterprise bus.

Goals and Worker Activities

- 30% **A. Facilitate the coordination of GIS activities amongst state agencies, counties, cities and tribal governments.**
- A1. Identify Wisconsin's geographic information needs and priorities and to promote cooperation in meeting these needs.
 - A2. Provide ongoing coordination of GIS efforts between state agencies, city, county and tribal governments.
 - A3. Coordinate with the GIS units of Wisconsin's Department of Natural Resources and Department of Transportation.
 - A4. Identify the GIS needs and requirements of state agency projects and programs.
 - A5. Facilitate the education and training of agency staff in GIS concepts and applications.
 - A6. Serve as the state agency GIS liaison with the State's Technology Leadership Council (TLC); serve as a voting member on the council.
 - A7. Serve as the state-agency liaison with the Wisconsin Land Information Association (WLIA) and Land Information Office (LIO) Network.
 - A8. Expand Wisconsin Land Information Program and GIS efforts.
 - A9. Coordinate efforts with the State Cartographer on federal programs such as the Geo-Spatial One Stop and the National Map, and between national coordination organizations such as the national States' Geographic Information Council.
 - A10. When requested, provide guidance to local governments.
 - A11. Act as the geographic information expert for the State of Wisconsin.
- 15% **B. Enforce the adoption of appropriate data sharing, and the employment of best practices.**
- B1. Facilitate state agency GIS/LIS standards development.
 - B2. Plan the development of a GIS service center, particularly for other state agencies with no GIS capability.
 - B3. Provides oral and written progress reports and updates to superiors and oversight committees.

- B4. Serve as the primary forum for members to seek consensus on policies that promote development and dissemination of a comprehensive GIS infrastructure in Wisconsin.
- B5. Coordinate with the State Cartographer on participation in federal programs, and in seeking federal and other funds to support Wisconsin Land Information Program (WLIP) initiatives.
- B6. Provide recommendations on policy alignment with local and regional GIS needs and be a focal point for partnerships to build Wisconsin's geographic information infrastructure.
- B7. Recommend policies, institutions and implementation strategies needed to develop and maintain Wisconsin's geographic information infrastructure.
- B8. Prepare and implementation plan that identifies quarterly and annual objectives for implementing the Wisconsin's Geographic Information Infrastructure.
- B9. Use technical as well as administrative skills to ensure that GIS technology is used properly and efficiently in state agencies, city, county and tribal governments.
- B10. Be aware of the spatial information needs of the agency, and the resources that are needed to meet them.
- B11. Set project goals and objectives, establish completion dates, obtain necessary resources, monitor and evaluate the work of subordinates, and coordinate activities with the GIS user departments or offices.
- B12. Work with the State Cartographer to provide coordination, education, outreach and technical support of statewide mapping and the WLIP.
- B13. Work to expand the role of the State Cartographer to enhance the new paradigm for the WLIP, provide vital data repository/access services for the entire community, and educational services for local governments.
- B14. Work with the State Cartographer to develop, provide and facilitate the land information "clearinghouse"; technical support to county LIOs.
- B15. Serve as a member of the Technology Leadership council, and assist with outreach and stakeholder activities.
- B16. Advocate for the WLIP and coordinate state geographic information systems (GIS) efforts.
- B17. Develop and implement guidelines for state agency plans to integrate land information initiative for the state to partner with the federal government to complete digital soils mapping statewide by 2006.
- B18. Provide County Land Information Officers (LIOs) and others with a public forum for land records modernization issues.

10% C. Maintain effective, robust land programs while meeting the Governor's objective of reducing the size of government.

- C1. Establish plans, strategies and further the implementation of the Wisconsin Land Information System (WLIS) Web-based portal concept to tie together data residing in various locations.
- C2. Continue the WLIS pilot project which has been completed by the WIDNR.
- C3. Ensure that Wisconsin data from a wide variety of producers, including state, regional and local units of government and tribes is made available in a manageable and consistent format.
- C4. Ensure public access and integration of the land information collected by local, state and federal organizations and businesses.

- C5. Promote data management efforts and comprehensive planning, as well as coordination of training and technical assistance to local officials regarding data requirements and planning issues.
 - C6. Maintain effective, robust land programs while meeting the Governor's objective of reducing the size of government.
 - C7. Support implementation of land information initiatives across state government.
- 15% D. Identify and prepare document describing strategic directions for Enterprise-wide Geographic Information Systems.**
- D1. Maintain a working knowledge of the agency's functions and activities including knowledge of the databases and software used in those functions and activities.
 - D2. Work with DET management on issues requiring legislative involvement.
 - D3. Draft and manage proposed legislation.
 - D4. Direct the development of and ensure accuracy of statutorily mandated reports concerning the Department's activities regarding Geospatial resources and other related enterprise initiatives.
 - D5. Stay abreast of changing enterprise business needs and technology capabilities and make recommendations for changes to strategic direction as appropriate to ensure that Wisconsin government leverages technology effectively in service delivery.
 - D6. Evaluate technology proposals from agencies and others; identify and-effectively communicate strengths and weaknesses; propose alternatives; make recommendations regarding modification, approval/denial and inclusion in the enterprise portfolio.
 - D7. Communicate strategic GIS issues at the appropriate level across a range of stakeholder including elected and appointed officials, organization executives, business/program managers, financial analysts, technology managers, technology professionals, vendors and the public.
 - D8. Identify and implement effective methods of engaging agency and inter-governmental staff and managers in working on common GIS issues.
 - D9. Provide expertise and consulting support to user agencies and customers.
- 10% E. Make recommendations on awarding grants to fund geospatial data, and to create information sharing agreements with state, local and tribal governments.**
- E1. Leverage existing funding and develop new partnerships and resources to build and maintain Wisconsin's geographic information infrastructure.
 - E2. Assist and coordinate all efforts regarding federal programs and contacts.
 - E3. Ensure that budget dollars appropriated for GIS activities are spent to continue efforts in development of the WLIS and develop new funding strategies to ensure that work continues.
- 20% F. Supervision of Staff**
- F1. Determine staff needs as part of the annual planning process and recruit, hire, assign and discipline employees.

- F2. Recommend/initiate personnel actions such as reclassification, reallocation, competitive promotion, as needed to ensure appropriate and effective allocation of staff resources and recognition of staff skills and responsibilities.
- F3. Organize and schedule staff to provide optimum use of resources and effective performance.
- F4. Establish goals and objectives for the area. Monitor progress against plans, review employee performance, provide appropriate feedback to employees on performance, take appropriate disciplinary action, assist staff to prepare individual career development and training plans, provide recognition for superior performance and resolve grievances, as needed.
- F5. Implement Affirmative Action policies and procedures, harassment and discrimination policies and advancement opportunities for all staff. Communicate information about these policies, procedures and opportunities.
- F6. Provide a weekly status report to the Deputy Administrator of current section activities and issues that need to be addressed.

Knowledge and Skills

General

- Broad knowledge and experience working in government at all levels, including understanding of public sector business environment and use of technology.
- Familiarity with the principles and practice of public administration.
- Familiarity with the concepts and practice on information management.
- Experience in analyzing enterprise business and technology issues in a large corporation or government organization.
- Strong analysis skills grounded in technology and business planning and management.
- Ability to influence others and encourage creative and broad thinking to identify solutions.
- Effective use of consensus building to reach decisions.
- Ability to establish credibility so decisions and recommendations are adopted.
- Ability to obtain information and insight even when others are reluctant to share.
- Ability to learn quickly; synthesize complex information; identify key points and communicate results accurately and effectively.
- Ability to identify appropriate members and develop effective teams with specific knowledge and skills needed to develop solutions and make recommendations.
- Resourceful in identifying and obtaining information sources needed to perform responsibilities effectively.
- Ability to work independently and exercise appropriate discretion with a minimum of supervision and produce effective, acceptable results within short time frames.
- Experience working directly with management and understanding management perspective and requirements.
- Strong oral and written communication skills including the ability to communicate business and technical concepts and information effectively to a wide range of audiences including the public.

- Strong inter-personal skills including the ability to work independently with high-level government officials, business and IS managers and staff in federal, state and local agencies, and with division and department managers.

Technological / Specific

- Extremely knowledgeable about geographic data and mapping. The position demands a geographic “visionary”.
- Background in GIS technology and a thorough knowledge of GIS software and familiarity with database software.
- IT skills emphasizing on GIS.
- Knowledge on geographic data management and activity and information analysis processes.
- Knowledge of legal aspects on GIS.
- Outstanding technical skills in land information and GIS.
- Demonstrated theoretical background and substantial experience in location based services and upgrading of communities, with particular reference to information systems to support them; thorough knowledge and understanding of parcel indexing and addressing systems.
- Proven ability to produce reports and papers on policies, advocating appropriate initiatives to governments, partners and related organizations.
- Proven ability to plan and organize work, requiring an in-depth understanding of regional issues and ability to integrate into the work of others.
- Strong written and verbal communication skills.
- Ability to defend and explain difficult issues with respect to key decisions and positions to staff and senior officials.
- Proven ability to communicate complex concepts orally; ability to prepare written reports that are clear, concise and meaningful.



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Minutes 2025-10-13**

Meeting Date: Monday, October 13, 2025
Time: 3:00–5:00 p.m.
Location: [WLIA 2025 Fall Conference](#) | Madison, State Capitol Room 412E
Remote ID: [Click here to join the meeting](#) | Meeting ID: 217 239 816 883 0 | Passcode: FG3tx6RQ
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WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	Y	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	N	Jim Osborne	N
Kelly Felton	Y	Christina Muller	Y	Howard Veregin	N
Scott Hand	N	Cody Brommerich	Y	Cindy Wisinski (proxy)	N
GIO (Vacant)					

Other Attendees
 Rachel Thompson (proxy for Cindy Wisinski), Mike Friis, Peter Herreid, Nik Anderson, Nick Gamroth, Fred lausly, Zach Robinson, Kim Meinert, Emily Sudar, Peter Strand, Davita Veselenak

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2025-06-04](#)
 - Motion to approve by Christman, seconded by Felton.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - a. **Appointments for WLIC positions**
 (Real property lister, Land information officer, County surveyor, Utility industry representative, Register of Deeds, and Licensed professional land surveyor)
 - Friis reported on the Department of Administration (DOA) [WLIC membership](#) and appointments.
 - Four positions were up at the end of calendar year 2024.
 - Three of the four had applicants who are the currently serving member (Real property lister, Land information officer, and County surveyor).
 - For the fourth open position—the Utility industry representative—DOA received applications but those have not yet been acted upon by the Governor’s Office.
 - DOA has a redefined internal process for appointments.
 - It is presumed that those currently-serving members who submitted applications will be reappointed.
 - The [WLIC Charter and Bylaws](#) accommodate for delays in the appointments process.
 - The bylaws state that preference for appointees will be given to candidates who are endorsed by a trade association.
 - DOA is accepting [WLIC applications](#) for the Licensed professional land surveyor position, which will be up at the end of this calendar year.

b. Geographic Information Officer position update

- Friis reported on the Geographic Information Officer (GIO) position, which is currently vacant.
- There are a number of vacancies in the Division of Intergovernmental Relations. These include the Plat Review Supervisor position and a few other vacancies which have been open longer than the GIO position.
- The Plat Review Supervisor position was posted twice, but no qualified applicants (licensed professional land surveyors) applied.
- Staff are working to catch up on the backlog of hiring.
- The GIO position is in the human resources queue. The timeline is not certain. Historically, the hiring process at DOA can take time.
- Peter Herreid continues to fulfill duties that GIO Jim Giglierano once did, such as administration of the 3D Elevation Program (3DEP) lidar grants.
- Administrative savings from the unexpended GIO salary were able to be put toward extending the WisconsinView Data Archive project until 2030 and the statutorily-permitted expenses of municipal boundary review and annexation in the Division of Intergovernmental Relations.

4. WLIP Program Update (Peter Herreid)

a. WLIP grants and program status

- Herreid provided WLIP program updates.
- Register of Deeds document recording levels remain low.
- In the [2025 WLIP Annual Report](#), on [page 5](#), there is a visualization of recording fee levels over the last 30 years. The state continues to remain at a low point, though in 2025, there was a slight increase in recording fee revenue from State FY 2024.
- Strategic Initiative grants remain at the \$20,000 level for 2026.
- WLIP [2026 grant applications](#) for counties are due December 31, 2025.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status and lidar projects (Adam Derringer)

- Derringer reported on the Wisconsin Regional Orthoimagery Consortium (WROC) imagery program and the 2023-2025 WROC cycle.
- 2025 was a big year for the program, with collection for 33 counties, the majority of it 3-inch resolution orthoimagery.
- For the 2023-2025 cycle, there was record participation, with 64 counties and over 200 partners.
- Regarding the [3DEP lidar grant program](#), efforts continue.
- For the 2024 spring collection, there were five Quality Level 1 (QL1) projects. Those datasets were recently approved and finalized.
- In 2025, two grant applications were submitted. One co-op application was submitted by Rob Merry of SEWRPC (Southeastern Wisconsin Regional Planning Commission), for data at the 30 point per meter lidar data standard.
- Collection and calibration for that is complete and the data will soon go out the door for client review.
- The second 2025 application submitted by DOA for QL1 lidar data for the Wolf River watershed, went through the USGS Geospatial Products and Services Contracts (GPSC) route. Due to delays finalizing the contract at the federal level, data collection was delayed until fall of 2025.
- Derringer reported that in spite of the federal government shutdown, all paperwork and contracts for the next lidar application cycle were sent prior to the shutdown. They do not anticipate the shutdown to impact acquisition this fall.
- In the past, for USGS grants in a federal shutdown, it was still possible to work through it and still collect the county datasets that were applied for.
- On the topic of NextGen9-1-1 (NG9-1-1) grants from the Wisconsin Department of Military Affairs (DMA) Office of Emergency Communications, Fred Iausly gave a brief update.
- In 2024, eligible county land information offices could apply for 2025 grants available under a competitive GIS Grant Program for NG9-1-1 implementation.
- DMA offered a [NG9-1-1 GIS Grant Program Fiscal Year 2025](#), but information about a possible 2026 GIS grant was unclear as part of the DMA [NG9-1-1 Funding Opportunities](#).
- As part of the Wisconsin Land Information Association (WLIA) conference, on Tuesday October 14th, there was a NG9-1-1 Special Interest Group meeting with [Zach Hassler](#) from DMA.

b. Legislative update on AB216/SB218 real estate transfer fee (Nik Anderson)

- Nik Anderson spoke on proposed legislation and WLIA efforts regarding changes the real estate transfer fee (RETR) and grants under the land information program, [AB216/SB218](#).
- A public hearing was held by the Senate Committee on Insurance, Housing, Rural Issues and Forestry, in which land information professionals provided testimony that seemed to be accepted positively.
- The Assembly Committee on Housing and Real Estate voted to pass the legislation from committee, so that it is now in the hands of Assembly leadership.
- This is the furthest this legislation has made it yet.
- If the law passes, there is a remaining question about how to distribute the additional funding as grants to counties for land information, which is dependent on if/when the bill is passed.
- The 2026 WLIP grant application has already been released, so 2027 would be the first year there would be an impact to WLIP grants if the legislation passes.
- The reduction of the RETR fee was initially projected to impact the State General Fund at 80 million dollars. Due to the passage of time for the biennium, that impact is projected to now be roughly 50 million dollars for the current biennium.
- A decision on the RETR bill is not expected until the end of this legislative session.

c. Other legislative updates (Nik Anderson/Nick Gamroth)

- Gamroth reported on other legislation.
- For 2023 Wisconsin Act 25, the judicial privacy law trailer legislation, the Wisconsin Counties Association (WCA) and Attolles Law published a [memo on Act 235](#) with legal analysis of the amendments to the law.
- [2025 Wisconsin Act 7](#), which went into effect on July 1st, regards the shielding of personal information for election officials. The interpretation from Attolles is that local governments do not have to act until an open records request is received when an election official requests their personal information be shielded, but counties should consult with their corporation counsel.
- For 2023 Wisconsin Act 12, eliminating the personal property tax, cleanup legislation is still in progress. WCA has taken the lead on this.
- A proposal called LRB 4183, relating to uniform easement relocation, was dropped. It is a positive sign that the real estate professionals proactively reached out to land information professionals in WLIA while it was being discussed.
- [AB445](#) is the Register of Deeds legislation clean-up bill. It is still being reworked.

d. State Cartographer's Office Update (Howard Veregin)

- Veregin from the State Cartographer's Office (SCO) was not in attendance due to technical difficulties that precluded remote participation via Microsoft Teams; no [SCO update](#).

6. Next Steps/Action Items

- Next WLIA meeting – [WLIA 2026 Annual Conference](#): February 25-27; Wisconsin Dells

7. Adjourn

- Meeting adjourned at 4:19 pm.



**Wisconsin Land Information Council
Minutes 2025-06-04**

Meeting Date: Wednesday, June 6, 2025
Time: 1:00–3:00 p.m.
Location: [WLIA 2025 Spring Conference](#) | Pewaukee, Ingleside Hotel
Remote ID: [Click here to join the meeting](#) | Meeting ID: 277 267 982 949 4 | Passcode: 2dS3y8yq
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 683 557 970#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	N	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	N	Jim Osborne	N
Kelly Felton	Y	Christina Muller	Y	Howard Veregin	N
Scott Hand	N	Cody Brommerich	Y	Cindy Wisinski	Y
GIO (Vacant)					

Other Attendees
Mike Friis, Peter Herreid, Davita Veselenak, Nik Anderson, Nick Gamroth, Zach Robinson, Adam Dorn

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2025-02-26](#)
 - Motion to approve by Felton, seconded by Christman.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - a. **Appointments for WLIC positions**
 (Real property lister, Land information officer, County surveyor, Utility industry representative)
 - Friis reported on [Council membership](#) vacancies.
 - Names for applicants were submitted to the administration, but have not heard back.
 - In December of 2025, the term will be up for the licensed professional land surveyor representative.
 - b. **Geographic Information Officer position update**
 - Friis reported on the Geographic Information Officer (GIO) position, which is currently vacant.
 - There are a number of vacancies in the Department of Administration (DOA) Division of Intergovernmental Relations, with not a lot of capacity behind them. These include Plat Review and Municipal Boundary Review positions.
 - Some of these positions have been open longer than the GIO position.
 - The timeline is not certain. Historically, the hiring process at DOA can take time.
 - Peter Herreid continues to fulfill duties that GIO Jim Giglierano once did, such as administration of the 3D Elevation Program (3DEP) lidar grants.
 - c. **2025-27 Executive Budget**
 - Friis reported on the item in the Governor’s biennial budget called “[Land Information Program Funding Increase](#)” ([Register of deeds recording fees; land information program](#)) that proposed to increase the Register of Deeds (ROD) document recording fee to raise revenue for the Land Information Fund.
 - As part of the Governor’s proposal, there was a piece in which the Governor recommended making a technical change to a Land Information Fund appropriation. This would allow dollars saved from

administrative expenses to be distributed as grants to counties for land information. Currently, administrative savings of about \$1 million from previous fiscal years have accumulated in an appropriation for the Land Information fund and cannot be used for WLIP grants or any other purpose.

- An [omnibus motion](#) introduced on May 8, 2025 removed the [land information item](#) from the budget bill, removing both the recording fee increase and the technical change to access administrative savings for grants.
- As it stands, nothing in the current version of the 2025-27 budget bill ([AB50/SB45](#)) impacts what the previous capacity of the Land Information Program has been. Money in the Land Information Fund cannot be spent on anything other than WLIP grants and state administrative expenses.
- Herreid noted that for the current fiscal year, all or nearly all of the funds in the Land Information Fund appropriation for state administrative expenses will have been spent by fiscal year end.
- There was discussion of how to access administrative savings from previous years in the Land Information appropriation, to be distributed as grants to counties. It would require legislation to make a change to the appropriation.

4. WLIP Program Update (Peter Herreid)

a. WLIP grants and program status

- Herreid provided WLIP program updates.
- Register of Deeds document recording levels remain low. Levels are still near the [historic low](#) for the last 30 years, although DOA's figures lag behind by a few months.
- Therefore, Strategic Initiative grants are likely to remain at the \$20,000 level per county in 2026.
- The Strategic Initiative grant figure is finalized around August of each year, with the grant application expected by September.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status and Lidar Projects (Adam Derringer)

- Derringer reported on the Wisconsin Regional Orthoimagery Consortium (WROC) imagery program.
- 2025 has been a big year, with the WROC program in a primary year of 5-year window.
- About 26 thousand square miles of the state has acquired new imagery, much of it 3-inch resolution.
- Despite challenging spring conditions, the data was successfully captured. Processing and ground control has gone well. Data is going out the door.
- Program participants numbered well over 100, with 64 counties, multiple municipalities, agencies, utilities, private entities, and many other partners.
- WROC will produce another leaf-off statewide imagery layer with no data older than 3 years old and a high level of precision in horizontal accuracy.
- Work has already begun for 2026. Multiple counties plan to collect.
- Regarding the [3DEP lidar grant program](#), efforts continue.
- In 2024, there were five Quality Level 1 (QL1) projects—Dane, LaCrosse, Portage, Taylor, and Waushara. Those datasets are nearing finalization. 2024 project data should be available the summer of 2025.
- In 2025, two grant applications were submitted. One co-op application was submitted by Rob Merry of SEWRPC (Southeastern Wisconsin Regional Planning Commission) for Walworth, Kenosha, Racine, Milwaukee, Waukesha, Washington, and Ozaukee counties. Data will be at the 30 point per meter lidar data standard. Targeting about a tenth of a foot for vertical accuracy. The data was collected early this spring. Good data is anticipated.
- The second application submitted by DOA went through the USGS Geospatial Products and Services Contracts (GPSC) route. It resulted in QL1 lidar data for Langlade, Menominee, Shawano, Waupaca, and Outagamie Counties. Due to delays finalizing the contract at the federal level, data collection will occur in fall of 2025.
- Planning is already underway for 2026 with thoughts toward 2027 as well.

b. Act 235 Judicial Privacy Law implementation update (Nick Gamroth, Peter Herreid)

- Act 235 went into effect on April 1. Herreid stated that for the statewide parcel map, there have been no requests for judicial officer information redaction under [2023 Act 235 \(§757.07\)](#).
- Gamroth reported public agencies have received fewer initial requests than anticipated. Some challenges are occurring, such as requests to shield incorrect documents and non-specific requests to shield any information.
- Gamroth stated that the number shielding requests across the state might be low because some judges do not want to fill out the application form for shielding. Judicial officers know there are other mechanisms for protecting privacy like filing a property in an LLC or trust.

c. Act 235 Judicial Privacy Law proposed amendments AB171/SB169 (Nick Gamroth)

- For Act 235, there is trailer legislation with proposed amendments to [AB171/SB169](#).
- The WLIA Task Force on Act 235 is led by [Adam Dorn](#).
- For AB171, there was a public hearing on May 7th. Fred lausly and Staci Hoffman testified. It passed as amended by the committee on May 29th.
- For SB169, a public hearing was held May 27th. Fred lausly and Staci Hoffman testified. [SB169](#) was in Executive session as of June 4th.
- Some of the proposed amended language deals with confidentiality agreements. Part of one amendment allows for the transfer of records between government entities. However, the agency must notify the judicial officer of the transfers in the manner provided on the form.
- Gamroth raised concern that agencies do not want to have to send out notifications year-round, if the amendment passes as written.
- One proposed idea from Dane County is that agencies could combine their notification to judges of the completion of the redaction task with a notice that the agency will, periodically throughout the year, be sharing that data with different government agencies
- Gamroth also provided updates on [2023 Act 126](#), which goes into effect on July 1, 2025. It deals with election officials' personal information, and could impact land records.
- Statute [19.36\(14\)](#) says authorities shall not provide access to an election official's personally identifiable information.
- Proposed amendments in [AB134/SB126](#) change the privacy protections to be request-based rather than automatic.

d. Legislative update on AB216/SB218 Real Estate Transfer Fee (Nik Anderson)

- Nik Anderson from the [WLIA Legislative Committee](#) reported on proposed real estate transfer fee (RETR) legislation, [AB216/SB218](#).
- A public hearing was held on SB216. Waiting for SB218 to be heard in a general session and possibly have a hearing scheduled.
- The Governor's Office was initially concerned about possible impacts on American Rescue Plan Act (ARPA) funds for the state, but has re-examined the issue and determined the proposed legislation would *not* have negative impacts on ARPA funding.
- WLIA does not expect to see movement on the proposed legislation until there is movement on the state budget.
- Anderson provided information showing that the legislation benefits counties, by about doubling the funds they receive for land information.
- Herreid noted that the formula for calculating WLIP grants, including the proposed contribution-based grants, is detailed in the legislation.
- There was discussion of the need to build support for the proposal.
- With the proposed legislation, there is county concern that because a portion of fee goes back to the county, *not* designated for land information, it is going into the county general fund and therefore might not get seen by land records departments.
- If the legislation passes, possible solutions could involve advocacy, education, and outreach.
- It was suggested that maybe the Wisconsin Counties Association could advocate, to help earmark a portion of the funds toward land records, or structure it in a way that has county land information council oversight.
- The Land Information Officers network (LION) could also step in for advocacy.
- Materials like a one-page factsheet could be helpful, as well as presentations at conferences and workshops.
- For messaging, materials might relate the funding to what general audiences, like a county board, find valuable, how land records data and geospatial data are heavily used by end-users, and how the funding impacts decision-makers day-to-day.
- Herreid stated that the fiscal estimate on [AB216/SB218](#) from DOA should be available soon.
- Derringer encouraged Council members to continue the discussion on the unspent WLIP administrative funds as well as advocating to move along the filling of the GIO position, possibly in the form of a letter.

6. Next Steps/Action Items

- Next WLIA meeting – WLIA 2025 Fall Regional Meeting– October 13-15, Madison

7. Adjourn

- Meeting adjourned at 2:48 pm ###



**Wisconsin Land Information Council
Minutes 2025-02-26**

Meeting Date: Wednesday, February 26, 2025
Time: 2:00–4:00 p.m.
Location: [WLIA 2025 Annual Conference](#) | Appleton, Hilton Paper Valley Hotel, Redwood room
Remote ID: [Click here to join the meeting](#) | Meeting ID: 286 335 649 45 | Passcode: x3VB7HS6
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 387 328 713#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	N	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	N	Jim Osborne	N
Kelly Felton	Y	Christina Muller	Y	Howard Veregin	Y
Scott Hand	N	Cody Brommerich	Y	Cindy Wisinski	Y
GIO (Vacant)					

Other Attendees

Mike Friis, Peter Herreid, Nik Anderson, Nick Gamroth, Adam Dorn, Staci Hoffman, Fred Iausly, Zach Robinson, Ryan Smith, Davita Veselenak

- 1. Welcome and Introduction** (Adam Derringer)
- 2. Approval of previous meeting’s minutes** from [2024-10-16](#)
 - Motion to approve by Felton, seconded by Sikora.
 - Minutes approved.
- 3. WLIC Business** (Mike Friis)
 - a. Appointments for WLIC positions**
 (Real property lister, Land information officer, County surveyor, Utility industry representative)
 - Applications for open WLIC positions were submitted to the Governor’s Office but have not yet gotten back confirmation. There is the presumption that members reapplying will carry on.
 - The [WLIC bylaws](#) state that, until a new person is appointed, a council member whose term has lapsed may serve as an interim member until DOA (Department of Administration) makes an official appointment.
 - b. Geographic Information Officer position update**
 - The Geographic Information Officer (GIO) position is currently vacant. DOA staff have reviewed the position description (PD). The Governor’s Executive Budget for 2025-2027 does not affect the position.
 - The timeline for posting the position is not certain. There are other vacancies in the DOA Division of Intergovernmental Relations that are in-progress with human resources.
 - Peter Herreid continues to fulfill duties that GIO Jim Giglierano once did, such as administration of the 3D Elevation Program (3DEP) lidar grants.
 - c. 2025-27 Executive Budget**
 - Friis summarized some of the items from the Governor’s 2025-27 Budget Bill.
 - The Governor did include an item that recommends an increase in the Register of Deeds (ROD) document recording fee (“[Land Information Program Funding Increase](#)”).

- As part of this proposal, there is also a piece in which the Governor recommends making a technical change to the Land Information Fund appropriation. This would allow dollars saved from administrative expenses, which are in an appropriation that accrues interest, to be distributed as grants to counties for land information.
- A line item for GIS software in the Governor’s budget would go to the DOA facilities team (Division of Facilities & Transportation Services).
- There is also an item related to judicial privacy, which looks to expand the Wisconsin Supreme Court Marshal’s Office.

4. WLIP Program Update (Peter Herreid)

a. WLIP grants and program status

- Herreid provided WLIP updates, including a new deadline for county parcel data submissions to DOA. The deadline was moved up to March 7th this year. DOA and the State Cartographer’s Office (SCO) did not want to straddle the implementation of [Act 235 \(\\$757.07\(4m\)\)](#), which goes into effect on April 1, 2025. There is concern that data sharing might temporarily freeze when counties react to the new law. The goal is to get all parcel data collected by March 31st. The additional effort by counties to meet the deadline is appreciated.
- For 2026, counties should plan to submit data “fit for public consumption,” which means data should *not* include shielded/redacted names of judicial officers.
- The 2025 WLIP grant agreements are being executed and will be returned to counties in March.
- Document recording levels remain low. 2024 was the lowest recorded year yet, as captured in the [2024 WLIP Report](#).
- Absent any major changes in revenue, Strategic Initiative grants can be expected to remain at the \$20,000 level for 2026.
- For Act 235 implementation, DOA is recommending that counties consider making the process for judicial officer name opt out rely on the form created by the Director of State Courts (DSCO).
- DOA/SCO want to minimize the removal of (non-judicial) owner names in the local parcel data, and to retain addresses. This data is highly valued by end users.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status and Lidar Projects (Adam Derringer)

- Derringer reported on the Wisconsin Regional Orthoimagery Consortium (WROC) imagery program.
- There are 32 counties flying county-wide projects in spring 2025. The program existed for 2023-2024 as well. In all, 68 counties are utilizing the program to collect county-wide imagery, which does not count tribal and municipal entities who also use the program. There are now over 100 funding partners.
- New for 2025, counties are acquiring 3-inch imagery.
- Contracts are being completed. Data will be available by the end of the first quarter of 2026. Rebate checks will go back to counties at the end of Quarter 1 or early Quarter 2.
- Efforts continue with the lidar grant program, which is based largely off 3DEP.
- 2024 datasets have been delivered to USGS (United States Geological Survey). Hopefully between March and August, USGS will release the data.
- Wisconsin submitted two grant projects for 2025 lidar flights. A project in the northeast was already given notice of award. Awaiting news on a southeast co-op project, for 30 point per meter lidar collection for seven counties in the SEWRPC (Southeastern Wisconsin Regional Planning Commission) area.
- Awards have come as late as April in the past from USGS. Flights are planned and the surveys are set in advance.

b. Legislative update (Nik Anderson)

- Anderson reported on legislative efforts from the Wisconsin Land Information Association (WLIA).
- WLIA is supporting legislation that would utilize Wisconsin’s real estate transfer fee (RETF) as a new revenue source for Land Information, rather than just the Register of Deeds document recording fee.
- [Representative Brooks](#) and [Senator Stafsholt](#) have been engaged on possible RETF legislation.
- A bill is being drafted that would decrease the RETF from \$3 to \$2 dollars per \$1,000 of real estate value. It would change the proportion going to the state’s General Program Revenue (GPR) of 80%, with 20% retained by counties, to a 50/50 split over three years. As previously drafted, implementation would be staggered over three years to get from 80/20 to 50/50.

- The county portion of the new RETF level (50% of the RETF revenue) would go to the county general fund.
- WLIA made recommendations to the bill's authors. The recommendation is for 20% of the overall fee (or 40% of the state revenue portion) to go to the Land Information Fund to be distributed as WLIP grants to counties. This scenario would produce \$15 million more in grants to counties, in addition to what is already collected via document recording fees.
- The recommendations included raising the Base Budget grants to \$175k, Training and Education grants to \$5k, and using approximately 47% of the new Land Information Fund revenue for Contribution-Based grants, which would utilize a previously unused grant type already in administrative rule.
- Contribution-Based grants administered by DOA would be calculated via the percentage that each county contributes in recording fees of the whole amount received by the state. The Contribution-based grants would have the effect of increasing the individual county funding at approximately the same level as increasing the amount of recording fees a county could retain for land information.
- It is not clear yet if the RETF proposal would be part of the budget bill or separate legislation.
- WLIA is planning a large outreach effort, to put organizational support behind the legislation, so that stakeholders can communicate their support to legislators. WLIA plans wide outreach to stakeholders soon and will encourage stakeholders to give written or verbal testimony.
- Counties must create a "land records notification" or "property fraud alert" system by January 1, 2026. This is important to the Realtors. Under such a system, a property owner gets notified when their name appears on a document recorded at the Register of Deeds, as a mechanism of property fraud protection.
- The Department of Revenue is currently working on an update to the real estate transfer form.
- There was discussion of the desirability of going straight to a 50/50 split rather than staggering toward that over 3 years. However, WLIA will prioritize the aspect of the legislation that increases Land Information funding by 20 percent of the new RETF, regardless of the staggering details.
- If there are any counties that may not need additional land information funding, Anderson and Gamroth asked for consideration of what is in the best interest of county neighbors or the profession as a whole.
- There was discussion of the mechanism for counties to send the fee to state, which now goes to the Department of Revenue (DOR). It is unclear how this 20 percent portion would come to DOA. There could potentially be existing process integration, to ensure it is efficient.
- Friis said that once there is a draft bill introduced, it can be shared with DOA's legislative liaison, who can communicate with DOR's liaison.
- Gamroth spoke about trailer legislation for 2023 Act 12 regarding Building(s), Fixture(s), and Improvement(s) (BFIs).
- WLIA is finishing a white paper recommending a number of amendments addressing BFIs. They worked with DOR and Attolles Law on it. It is hoped it will clear up Act 12 issues, such as parcels of land without legal descriptions recorded in the ROD office.

c. Act 235 Judicial Privacy Law Implementation Update (Adam Dorn, Staci Hoffman, Peter Herreid)

- Dorn provided updates from the WLIA [Judicial Officers Privacy Task Force](#) on implementation issues around Act 235.
- WLIA created several documents, including a "[Navigating Compliance](#)" document to help local governments make decisions with their legal counsel.
- The Wisconsin Counties Association (WCA) will hold [webinars](#), including one on March 7th which is targeted to municipalities.
- WCA has a draft of confidentiality agreements for counties to use with vendors or contractors for data that cannot be shared publicly.
- There are proposed amendments in progress, from DSCO, as well as from Greater Wisconsin's Property Records Industry Association (PRIA) Local, and WCA. The chance of seeing trailer legislation pass before April 1st is low, but amendments might pass after that date.
- The DSCO form for judicial officers will be available only from DSCO and will be a confidential record.
- Local government data brokers who receive a completed form are encouraged to accept it on face value. The judge's contact information is on the form, should there be a need to contact them.
- [Staci Hoffman](#) has a list of the fields that are on the form.
- Dorn stated that local governments should keep addresses in local records websites when judicial officials' names have been removed and use the DSCO form as the process for owner name opt out, as Herreid recommended.

- Transactions between units of government or software vendors will require confidentiality agreements. They are recommended for exchanges with municipalities and assessors.
- For some types of less-used records, like searchable digital plat books, it may be more practicable for counties to take these records offline and see what happens with demand for such records.
- Andy Phillips already provided the confidentiality agreement to all county corporation counsels in the state. Hoffman will send it to all RODs.
- Senator Wanggaard and Representative Tusler’s offices are both working on legislative amendments for Act 235. WLIA has been working with Senator Wanggaard.
- There are many questions remaining, including carveouts for land information websites and RODs and other questions of local-level implementation.

d. Coastal erosion, lidar data, and implications for real property (Howard Veregin)

- Veregin spoke on an informational item stemming from the Coastal Hazards working group.
- The idea is to couple coastal erosion estimates with information on real property. Cliff erosion is a significant hazard in the state, especially on the Lake Michigan coast.
- SCO has had some discussions regarding the use of lidar devices attached to drones to project coastal erosion rates in certain counties.
- They are interested in coupling such data with parcel data, building footprints, and assessment data, to do a pilot study to assess coastal erosion in a test area and investigate methods of estimating how land and improvements might be affected by the erosional process.
- Interested parties should reach out to [Howard Veregin](#).
- Friis spoke on the issue of state-owned lakebeds and legislation that would allow communities to develop on lakebed fill.
- There are methodological questions about how to determine the ordinary high watermark and what geospatial or other data might be used to achieve this.
- Because the ordinary high watermark cannot be determined by looking at a map, it will be a tall task to determine the watermark when Wisconsin became a state in 1848.

e. State Agency updates (Colter Sikora)

- Sikora reported from the State Agency Geospatial Information Committee (SAGIC) that there is new leadership.
- The SAGIC Chair is Samantha Olivieri from the Public Service Commission of Wisconsin. Alex Krebs from the Department of Military Affairs is Vice Chair. Nina Rihn from the Department of Natural Resources serves as Secretary.
- SAGIC may host another symposium event in the fall.
- From Jim.Young@wisconsin.gov and the WI DOA Municipal Boundary Review (MBR) Team:
 - “The WI DOA Municipal Boundary Review (MBR) Team would like to share this reminder with Land Information Officers and others that assist City and Village officials and their attorneys with creating legal description and plat/scale map documents for land transfer ordinances (annexations, attachments, and detachments). Please always encourage municipal officials and attorneys that use County GIS Maps for this purpose to review the WI DOA MBR [Ordinance Filing Checklist](#) to guide them in creating a “complete legal description” and associated plat/scale map that are compliant with statutory ordinance filing requirements [Wis. Stats. 66.0217(9)(a)]. For those municipal officials in both rural and urban counties, it is always a best practice to review the resources available on the WI DOA DIR’s [Municipal Boundary Review](#) landing page and consult with MBR staff before finalizing ordinance documents to use for public notices, board/council meetings’ adoptions, and subsequent ordinance filing/recording purposes.”
- Zach Robinson noted that the statewide Esri Master Purchase Agreement (MPA) is in progress. Contact [Larry Cutforth](#) at DNR with questions.

6. Next Steps/Action Items

- Next WLIA meeting likely June 4th – [WLIA 2025 Spring Conference](#): June 4-6, Pewaukee

7. Adjourn

- Meeting adjourned at 3:46 pm



**Wisconsin Land Information Council
Minutes 2024-10-16**

Meeting Date: Wednesday, October 16, 2024
Time: 3:00–5:00 p.m.
Location: [WLIA Fall Regional Meeting 2024](#) | La Crosse, Radisson Hotel, Illinois Room
Remote ID: [Click here to join the meeting](#) | Meeting ID: 289 950 598 509 | Passcode: vn5Y83
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 672 037 415#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	N	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	N	Jim Osborne	N
Kelly Felton	Y	Christina Muller	Y	Howard Veregin	N
Scott Hand	Y	Cody Brommerich	Y	Cindy Wisinski	Y
GIO (Vacant)					

Other Attendees

Mike Friis, Peter Herreid, Nik Anderson, Staci Hoffman, Zach Robinson, Jaime Martindale, Fred Iausly Monique Hassman, Chris Dickerson, Nick Gamroth, Sara Chiamulera, Paul Bernard, Cathy Cooper, Julie Lins, Jim Landwehr, Tim Dabbs, Davita Veselenak

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2024-06-05](#)
 - Motion to approve by Brommerich, seconded by Felton.
 - Minutes approved.
3. **WLIC Business (Mike Friis)**
 - a. **Accepting applications for WLIC positions**
 (Real property lister, Land information officer, County surveyor, Utility industry representative)
 - Friis stated that four member’s terms are expiring.
 - Sitting members are welcome to reapply.
 - [Applications](#) are due November 15, 2024.
 - b. **Geographic Information Officer position update**
 - Friis reported on the Geographic Information Officer (GIO) position at the Department of Administration (DOA), which is currently vacant.
 - Derringer made remarks to celebrate Jim Giglierano’s service as GIO. Giglierano did a great job of securing some additional funding, making certain projects happen, and overall provided service that is appreciated by the land information community.
 - At DOA, Peter Herreid has taken over the U.S. Geological Survey (USGS) 3D Elevation Program (3DEP) lidar grant management responsibilities, so that lidar and hydrography grant projects will continue to have DOA staff support.
 - DOA is working on the GIO position description, will be sending it to the DOA Division of Personnel Management, and is seeking to fill the position as soon as possible through the human resources hiring process.
 - There are two other vacancies in the Division of Intergovernmental Relations, which are also with human resources.

4. WLIP Program Update (Peter Herreid)

a. WLIP grants and program status

- Herreid provided updates on Wisconsin Land Information Program (WLIP) grants.
- Register of Deeds document recording levels have not picked up from historic lows, at least not to a significant degree.
- Last year was the lowest number of documents recorded in the history of the program. Statewide 734,083 documents were recorded in State FY2024, which is below the historic low of 770,705 set in FY2023. This increases the amount awarded in WLIP Base Budget grants and decreases Strategic Initiative grants.
- Unless document recordings pick up, Strategic Initiative Grants are likely to remain around \$10-20k.
- For counties, the 2025 WLIP [grant application](#) is due December 31, 2024.
- Counties are busy working on county [land information plans](#). Draft plans were due to DOA on September 30. The plans undergo DOA review and optional peer review. Herreid is on schedule to review all draft plans within a month of receipt.
- One new item in the plans is a question about how counties are handling the elimination of the personal property tax for Building(s), Fixture(s), and/or Improvement(s) (BFIs). DOA seeks to create guidelines for submission of these records for the next version of the statewide parcel map database.
- This cycle, the county land information plans also ask for more details about PLSS, with attention to the PLSS “[integration](#)” aspect.
- Final county land information plans with county land info council approval are due by December 31st, 2024.
- Herreid has taken responsibility at DOA for the 3DEP lidar grants and helped submit a 3DEP application for next year.
- Regarding [Act 235](#), Attolles Law firm put a memo for the Wisconsin Counties Association. DOA legal counsel reviewed the memo and concurred with the main themes.
- It looks like DOA will *not* need to remove the addresses from the statewide parcel map and app. Although it still hurts land records users to remove the names of judicial officers and their family members, it is better to not have to also shield/remove the address.
- DOA is hoping that the process for name opt-out in [757.07\(4m\)](#) can be equivalent to submittal of the written request for protection of personal information under [757.07\(4\)](#).
- It would be difficult and cumbersome to have two separate processes. DOA is hoping that the form created by the Director of State Courts can serve as an equivalent for the purpose of opting out names from the website. This looks like a possibility, but DOA has not seen the form and will need to coordinate with the Director of State Courts.
- Friis noted that continued dialog with legal services at DOA should enable a clear direction moving forward.
- Herreid stated that they want to avoid what AccessDane currently does, which is to allow anyone to opt their names out, not just judicial officials and their family members. Owner name has a lot of value for many different parcel data users.

5. Project Updates

b. 2025 Wisconsin Regional Orthoimagery Consortium status and Lidar Projects (Adam Derringer)

- Derringer reported that the primary Wisconsin Regional Orthoimagery Consortium (WROC) cycle is deep in planning mode for 2025. Sixty-six of 72 counties will be using the WROC program for their orthoimagery.
- All counties participating will acquire at least 6-inch resolution, and the resolutions continue to move in the direction of higher resolutions.
- They will be flying about half of counties in spring of 2025. Some counties are at 2-, 3-, 4-, or 5-year cycles. The WLIP is integral to the WROC program as counties look at their budgets.
- WROC partners include the Wisconsin Department of Transportation, Wisconsin Emergency Management, the Bureau Indian Affairs, utilities, and private entities.
- Flights for imagery will start in March and generally go through May.
- For possible grant funding that some counties are pursuing, they hope to hear back by the end of this month.
- Derringer also provided updates on lidar projects. For the 2025 3DEP application, two grants were submitted.
- One application, for an area primarily in the Wolf River watershed, was for Menominee, Forest, and Outagamie Counties. At the Quality Level 1 standard of 8 points per square meter, it is a first attempt at targeting the contiguous blocks that USGS desires.

- A second application was submitted by SEWRPC for the seven-county SEWRPC region. Based on the Milwaukee example, it is for a 30 points per square meter standard.
- Announcements are expected by early December.
- It remains to be seen whether elections will impact funding for 3DEP or 3DHP, but future lidar grants are anticipated. Northwestern Wisconsin might have a good block of counties to be looking at for a future application.

c. Act 235 Judicial Privacy Law Implementation Update (Staci Hoffman, Peter Herreid)

- The Wisconsin Land Information Association (WLIA) has a Judicial Officers Privacy Task Force, as does Greater Wisconsin's Property Records Industry Association (PRIA) Local chapter.
- Staci Hoffman from PRIA Local reported that the workgroup is working on corrections to the language in [Act 235](#) in order to amend the statute.
- An objective is to make it so that public-facing land records websites can remove just the name of a judicial officer and leave the address posted.
- Some education of policymakers is needed, on how important it is to have an address in the system.
- The legislation will also ideally be altered to exclude Register of Deeds from certain provisions which conflict with other laws applicable to RODs.
- A list of proposed legislative language changes has been compiled, with nine plus three newer items.
- As a next step, the workgroup plans to meet with Attolles law, the WLIA lobbyist, a WLIA liaison, and someone from the Wisconsin Counties Association, to present recommended language for the Director of State Courts [Legislative Committee of the Wisconsin Judicial Conference](#).
- April 1, 2025 is the implementation date for Act 235. The goal is to have something to the Legislative Reference Bureau (LRB) by January.
- The group intends to send the language to the legislature, but wants to partner with the Director of State Courts as best as possible.
- There was discussion of the usefulness of concrete examples in helping legislators to understand what is at stake, and the scope of the impact of redactions for land records stewards and end users.
- It was clarified that the legislation for the program [Safe at Home](#) is separate and distinct from Wisconsin's 2023 Act 235, sometimes referred to as Daniel's Law.
- Safe at Home is "easier" to implement, in that it involves a protected person moving to a new location, the assignment of a PO box address, and is not concerned with redaction of historic information. Counties can look to their peer counties for implementation advice on Safe at Home.

d. State Cartographer's Office Update (Howard Veregin)

- Veregin from the State Cartographer's Office (SCO) was not in attendance, no SCO update.

6. Other Business

- Derringer introduced the idea of WLIA-led legislative options for increasing land information funding for counties and the Wisconsin Land Information Program.
- Nik Anderson reported that WLIA is revisiting the idea of how to increase revenue, based on proposed changes to the Register of Deeds document recording fee in legislation WLIA put forth to increase the fee from \$30 to \$45 (2023 [Assembly Bill 915](#)).
- That legislation did not pass, but the goal is still a high priority, so WLIA continues to work on ideas.
- Representative [Robert Brooks](#), chair of the [Assembly Committee on Housing and Real Estate](#), suggested consideration of Wisconsin's real estate transfer fee (RETR).
- The RETR fee is currently 30 cents per \$100 of real estate value, or \$3 per \$1,000.
- Last year, legislation supported by the Wisconsin Counties Association and Wisconsin Realtors Association, proposed to decrease the RETR fee (2023 [Assembly Bill 277](#)), but it did not pass. It would have decreased fee from \$3 to \$2 dollars per \$1,000 of home value. Over 3 years, it would have changed the proportion going to the state's General Program Revenue (GPR) of 80%, with 20% retained by counties, to a 50-50 split over three years.
- Anderson named some of the possible benefits of targeting the RETR fee, rather than the ROD document recording fee. The document recording fee is a \$30 fee flat that was set in 2010. Inflation alone would bring the fee to \$42 dollars, and the WLIA-proposed amount was barely above that at \$45. Because home values increase with inflation, a RETR funding increase would not have to be revisited as often.
- One idea under development from WLIA idea is to decrease the RETR fee from \$3 to \$2 dollars per \$1,000 and alter the distribution, so that 50% of the fee remains with counties, 30% goes to the State

GPR, and 20% goes to the State specifically dedicated to the purpose of WLIP grants to counties for land information.

- This 20% to the WLIP is essentially the equivalent of last year's WLIA-proposed legislation.
- How the 20% would be distributed in form of grants is to be determined. Such a proposal would result in an increase of roughly \$15 million a year for land information.
- Given the current state budgetary surplus, the legislature might like to reallocate funds to a program that would be a priority rather than GPR. The RETR fee makes up about 1.6 percent of the state budget.
- There is nothing official from the Wisconsin Counties Association or the Realtors Association, but they may both be on board. The Realtors want to drop the RETR fee from 3 to 2 dollars, thus decreasing the tax on home sellers. Similarly, counties want funding for counties.
- The support of the Realtors Association will be crucial. Also important, if legislation is introduced, will be vocal and visible community support from stakeholder organizations.
- One consideration is appropriation structure. It is to be determined if funds could be captured in a single appropriation linked to the Land Information Fund at DOA, or earmarked, in a separate grant process.
- Fred lausly stated that, ideally, structuring the funding as part of the WLIP is a WLIA goal. Even though it is a different funding source, WLIA's goal is the same as with AB915.
- There was agreement that a different appropriation and process would complicate it.
- How to determine grant eligibility for counties has not yet been determined.
- It has not yet been decided if any proposed legislation would be presented as standalone legislation or incorporated into the state budget.
- In other business, Colter Sikora provided an update from state agencies, specifically the State Agency Geospatial Information Committee (SAGIC).
- On October 2, 2024, SAGIC hosted the first ever [State Agency GIS Symposium](#) for state agency mappers, focusing on both technical and programmatic GIS topics. Jim Lacy at the State Cartographer's Office and Christine Koeller from the Wisconsin Department of Transportation led the organizational work. With over 80 attendees and many new faces, it was a successful event, and feedback received so far has been positive.

7. Next Steps/Action Items

- Next WLIA meeting – [WLIA 2025 Annual Conference](#): February 26-28; Appleton

8. Adjourn

- Meeting adjourned at 4:05 p.m.



**Wisconsin Land Information Council
Minutes 2024-06-05**

Meeting Date: Wednesday, June 5, 2024
Time: 1:00–3:00 p.m.
Location: [WLIA Spring Regional Meeting 2024](#) | Marshfield, Hotel Marshfield, Central Ballroom II
Remote ID: [Click here to join the meeting](#) | Meeting ID: 238 180 576 291 | Passcode: YHDJEG
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 442 444 539#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	Y	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo	Y	Jim Osborne	Y
Kelly Felton	Y	Christina Muller	N	Howard Veregin	Y
Scott Hand (proxy)	N	Cody Brommerich	Y	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees
 Mike Friis, Peter Herreid, Ben Wildenberg (proxy for Scott Hand), Nik Anderson, Staci Hoffman
 Mitch Bergeson, Adam Dorn, Davita Veselenak

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2024-02-28](#)
 - Motion to approve by Veregin, seconded by Christman.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - Council [membership](#) is full.
4. **WLIP Program Update** (Mike Friis/Jim Giglierano/Peter Herreid)
 - a. **Lidar status, lidar transition, and hydrography updates**
 - Giglierano provided updates on the U.S. Geological Survey (USGS) 3D Elevation Program (3DEP) lidar grants.
 - Giglierano is transitioning administration of lidar grants to Peter Herreid.
 - For FY2024 lidar grants, county contracts have gone out and the contract with the Department of Transportation (DOT) for their contribution is almost done.
 - FY2023 will be delivered this summer, for the counties of Buffalo and Manitowoc.
 - For FY2025, an application will include counties in the area of the Southeastern Wisconsin Regional Planning Commission (SEWRPC). The application will be coordinated by Rob Merry from SEWRPC.
 - The past couple of cycles of lidar acquisition have seen a movement toward higher standards and greater accuracy, from Quality Level 2 (QL2) to QL1 and QL0. QL1 will be the minimum moving forward.
 - In the SEWRPC region, they are moving up to 30 points per meter, which is approaching the QL0 specification.
 - For FY2025, it is likely that there will be two separate applications to USGS.
 - The second project would be for the QL1 spec, with an area of counties following most of the Wolf River. Those planning meetings are starting to occur.

- Friis reported that the Wisconsin Coastal Management Program may be looking for opportunities to contribute some BIL (Bipartisan Infrastructure Law) dollars to projects, as well as to generally partner on projects that resonate with appropriators, such as resiliency-focused projects.
- Derringer stated that bathymetry projects are a different consideration, as they use a different lidar system with different processing and software. Many counties are doing these types of projects but they are complex.

b. WLIP grants and program status

- Reference Appendix A – Map:
 - [VariationAnalysis_20240520](#)
- Herreid provided updates on WLIP grants and revenues.
- Register of Deed document recording levels have not improved. FY2023 saw the lowest levels in the last 30 years recorded. They have further fallen from 770,705 last year, to an estimated approximate figure of 730,000 recorded statewide for this year.
- Herreid presented a map with an analysis of the data demonstrating the decline in documents recorded from FY21—which was the highest year since 2007—with FY23 the lowest in last 30 years.
- All counties experienced a drop in activity, but, because of the distribution of WLIP Base Budget funding, counties that retain less than \$100,000 in recording fee revenue receive a Base Budget grant to make up the difference to the \$100,000 funding level.
- Therefore, only about a dozen non-Base Budget counties have had their land info funding affected. They are also the counties that had the largest run up in documents recorded to 2021. The reduction in the annual amount of retained fee revenue ranges by hundreds of thousands of dollars per county.
- There has also been a decline in WLIP Strategic Initiative grants, which were funded at \$10,000 per county for this year. This figure is not projected to change much in the coming year.
- For 2025, it is estimated that Strategic Initiative grants may be around \$10-15,000 per county.
- Another item in progress is work on [county land information plans](#), which counties are updating this year on the 3-year update cycle.
- There was discussion of the degree of the revenue decline and what it means for various counties, and how to possibly support them given challenges like the implementation of the new judicial privacy law and staff turnover.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status and Lidar Projects (Adam Derringer)

- Derringer gave updates on the Wisconsin Regional Orthoimagery Consortium (WROC), the consortium led by regional planning commissions since the 1990s.
- Planning for the 2025 cycle to acquire imagery is underway.
- WROC has expanded. Multiple counties want to capture imagery on a more regular basis.
- There is an option to fly in years 2023-2024-2025 for 2025.
- Flights were completed this spring for 6-inch or 3-inch imagery.
- Projects for 2025 are being finalized. The vast majority of counties are using the program to complete their imagery. The consortium has had very strong partnerships. Partners, from state and federal government agencies to businesses, help provide money back after all is completed.
- They are on a path for statewide imagery for 2025 from the WROC program.

b. Act 235 Judicial Privacy Law WLIA Task Force (Nik Anderson)

- Anderson gave an update on [Act 235](#), signed by the Governor in April to allow judges to submit documentation to the Director of State Courts to have their personal information shielded from public records.
- One group, PRIA Local (Property Records Industry Association), is led by Staci Hoffman of Jefferson County and Scott Moore of Fidler. That group is meeting monthly.
- The legislation affects associations and organizations in their own way. Details of implementation are a matter of concern.
- Another group working on this issue is the Judicial Privacy Task Force, under the Technical Committee of the Wisconsin Land Information Association. The WLIA task force is chaired by Adam Dorn and Fred lausly.
- To understand the interpretation of the legislation, PRIA Local and the task force have compiled a list of questions for attorneys. They are working with Andy Phillips, an attorney from Attolles Law, and others.

- The WLIA Legislative Committee is working on how to approach potential changes to the legislation to make implementation easier but still follow the intent of the law. The task force is working on how to approach the bill's authors and stakeholders.
- Considerations include planning for the potential expansion from one protected class likely to other protected classes of individual, issues relating to open data, real estate records, and how third-party land records holders might be affected.
- Feedback is welcome from users of the data who will be impacted, such as realtors and others.

c. Tribal Consultation and Hydrography Projects (Mitch Bergeson)

- Reference Appendix B – Slides:
 - [USGS_Lidar_Tribal_Presentation-WLIA_Spring_2024](#)
- Bergeson presented on the USGS Data Collaboration Announcement (3DHP, 3DEP) and tribal consultation in Wisconsin.
- He offered to help identify hot spots that might be federal funding priorities for 3DHP and 3DEP.
- For hydro projects that cross state borders, there are some examples, such as the Chesapeake Bay area, and projects from Pennsylvania and Ohio. But everybody is doing hydro differently and doing land cover differently.
- It is not yet known whether Wisconsin efforts like county hydrography projects will be able to count as the match for future applications. The details of the contributed data process have not been figured out yet.
- Regarding tribal consultation issues, USGS has a process to work with tribes if there is an area of concern. In one example for 3DEP lidar, the Lac du Flambeau data was redacted.
- Some tribes are interested in sharing the data and open to data sharing.
- There was discussion about the consultation process, and the timing of agreements made relative to when an award is contracted. Bergeson stated that first, projects are awarded, then a notification goes out to the tribal governments, with a 45-day response window before the project task order can be completed. However, it cannot be assumed that no response in the 45-day window means that there is not potential for an issue.
- Outreach goes to the tribal council, the president/chair, and tribal historic preservation officers. Redaction requests must be a formal action of the tribal council. USGS has [tribal liaisons](#) who are dedicated to these efforts.
- There was discussion of the potential for federal projects that have been paid for by county governments that have tribal areas in them which can prevent the data to be shared with the county.
- Friis pointed out that there is greater awareness of both the perspective of the tribes as sovereign nations, and of the county perspective. A guiding idea and expectation for the future is that of open discussion, where all parties are brought to the table.

d. Brown County OneMap Project (Jim Giglierano)

- Giglierano gave an overview of the OneMap project in Brown County and Outagamie County, funded by the DOA Wisconsin Coastal Management Program.
- One Map: "Harmonizing" Three GIS Data Layers
 - Layers - USGS 3D Hydrography, USFWS NWI Wetlands, and NOAA CCAP land cover
 - Local partner - Brown County Planning and Land Services Department
 - Map and assess potential habitat projects in 3 HUC10 watersheds
 - Coastal program objective - support habitat restoration and conservation efforts
 - Funded by NOAA BIL capacity grant through the Wisconsin Coastal Management Program
- One Map Schedule
 - Contractor: NV5 Geospatial
 - Work started in December 2023
 - Draft hydrography delivered Jan 2024
 - Draft NWI wetlands delivered April
 - Draft land cover delivered June
 - Final products to be delivered Fall 2024
 - Coastal and other locations 2025
- USGS EDH Hydrography: Duck Creek and Green Bay
 - All mapped from 2020 lidar
 - Green Bay at near record high levels
 - Mapped by NVS
- USFWS NWI Wetlands: Duck Creek and Green Bay
 - EDH hydro stream lines and culverts

- Wetlands mapped using 3 years of orthophotography
 - Green Bay at low, medium and high levels
 - Mapped by St Mary's University
- NOAA CCAP Land Cover: Duck Creek and Green Bay
 - NOAA Coastal Change Analysis Program one meter land cover
 - Mapped from 2021 imagery
 - Mapped by NVS
- One Map "Harmonization"
 - All mapped from 2020 lidar
 - Green Bay at near record high levels
- Best Available: WDNR, Wisland Land Cover
 - Mapped from Landsat 30 meter
 - Mapped by UW SCO
- Regarding redaction of tribal areas, after discussion with the Oneida Nation of Wisconsin, they agreed to make the data public.
- Overall, the hope is for analysis-ready data in the end that will benefit projects such as environmentally sensitive areas and costal habitat.

e. State Cartographer's Office update (Howard Veregin)

- Veregin, co-chair of [WSRS2022](#), the Wisconsin Spatial Reference System 2022 Task Force, provided a 2022 coordinate system update.
- The National Geodetic Survey (NGS) continues work on an updated version of the modernized National Spatial Reference System (NSRS), which was originally planned to be rolled out in 2022.
- Veregin gave an overview of the phased rollout and the main highlights of the schedule.
- NGS is rolling out different components at different times. They are maintaining three websites— including the official NGS website (geodesy.noaa.gov), as well as a [NGS Beta website](#) and an [NGS Alpha website](#).
- All of the new data and models are being posted on the beta site. Some time in the year 2026, hopefully there will be a vote by the Federal Geodetic Control Subcommittee to approve the updated NSRS, after which point the information will be moved to the Geodesy site.
- Users can experiment with the data, but it should not be used at this time.
- Additional components, including a new State plane coordinate system (SPCS) will be rolled out soon.
- WISCRS (Wisconsin Coordinate Reference Systems) is tied to the existing NSRS, so there will be a new state plane coordinate system.
- A new vertical datum will also be coming online.
- Models take into account how the earth is transforming. Coordinates are tied to time, or “epoch.” There will be a need to transform coordinates in order to work across epochs.
- Other components of the new system include the depreciation of the U.S. survey foot. The international foot will be used for SPCS2022 and other components of the modernized NSRS, but that will not be until at least 2025.
- Until 2026, nothing is changing.
- At the local level, these changes will affect survey grade coordinate and could mean that coordinates will need to be reshot rather than merely transformed.
- WSRS2022 is also considering legislative issues, such as the statutory language and the existing statutes relating to surveying the also have subcommittees working on funding issues and implementation issues.
- For questions, contact Veregin or [Richard Kleinmann](#).
- You can visit the SCO website (www.sco.wisc.edu/community/wsrs2022) to look at the articles and blog posts published on these topics in the last several years.

f. SAGIC and PSC Broadband update (Colter Sikora)

- Sikora gave a broadband update from the Public Service Commission of Wisconsin, including the “Wisconsin Broadband Challenge Map” (<https://maps.psc.wi.gov/apps/BEADChallengeMap>). It is a tool to help figure out where to apply broadband funding.
- There is a month-long challenge period for planners and providers to look at broadband coverage data commitments, and report to the Public Service Commission where that data is wrong.
- A goal is to create better informed project areas to disperse about a billion dollars of funding for broadband. Awards are expected late this year or early next year.
- Regarding a SAGIC (State Agency Geospatial Information Committee) updates, a save the date went out for SAGIC's first conference to take place in Madison in October 2024. It will be an opportunity

for state agencies using GIS to share the work they do with each other. There will be a focus on partnerships across agencies. Contact [Christine Koeller](#) with questions.

- Derringer noted that there is a Esri Wisconsin User Group (EWUG) conference in Green Bay on November 7-8.

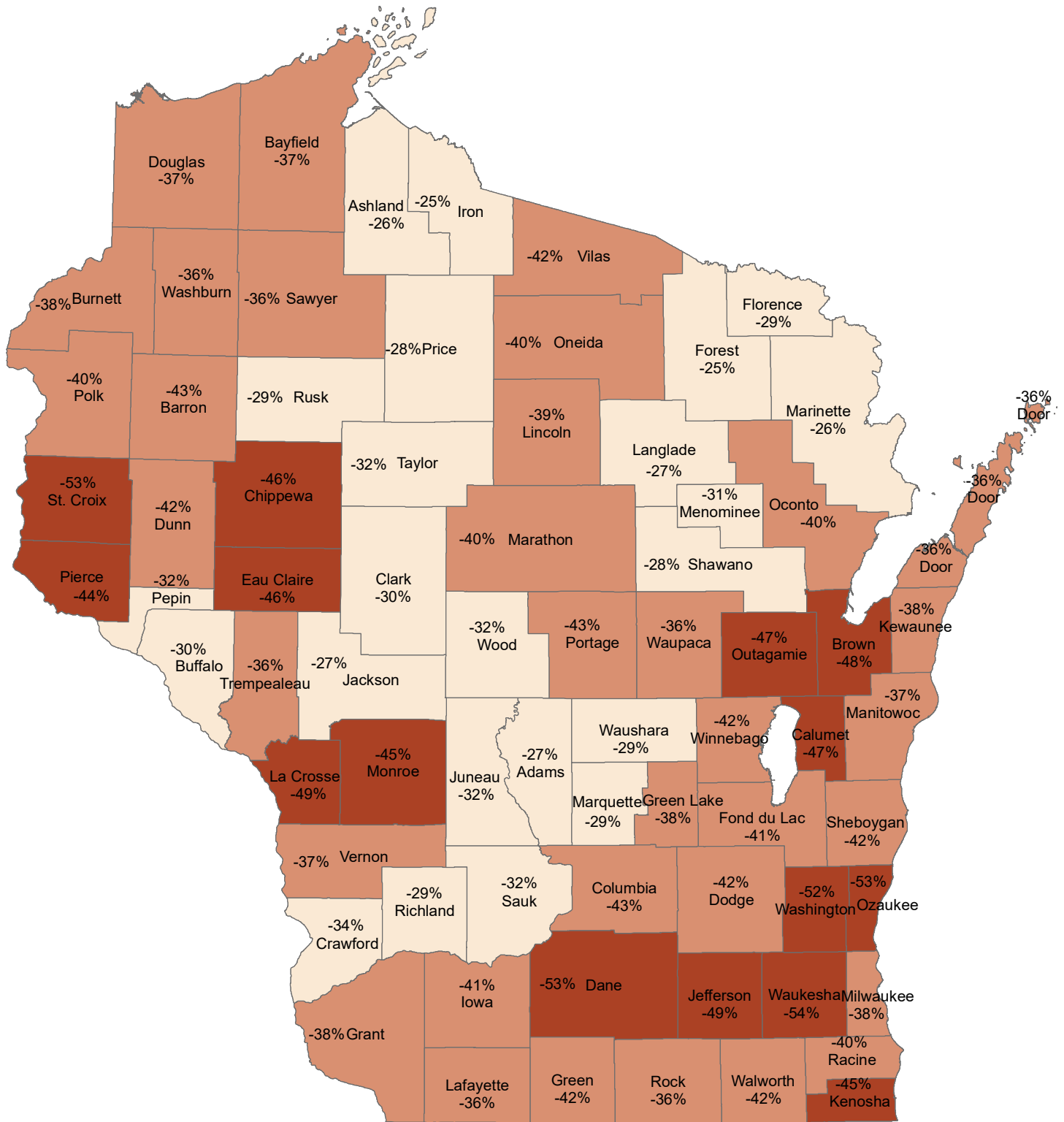
6. Next Steps/Action Items

- Next WLIA meeting – [WLIA 2024 Fall Regional Meeting](#): October 16-18, LaCrosse

7. Adjourn

- Meeting adjourned at 3:37 pm

Decline in Documents Recorded (FY2021 - FY2023)



This map shows the decline in the number of documents recorded from State Fiscal Year 2021 to FY2023 by color background. FY2021 had the highest number of recordings statewide (1,355,032) since 2007. FY2023 had the lowest number of recordings (770,705) in 30 years, as documented in the [2023 WLIP Report](#).

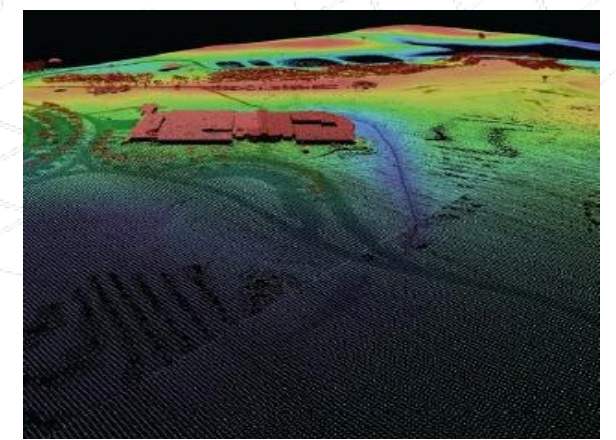
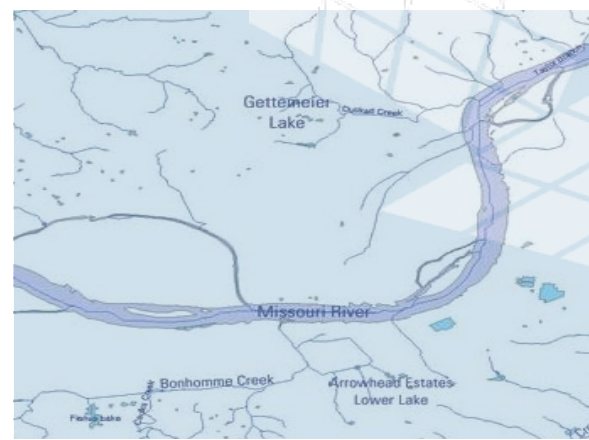
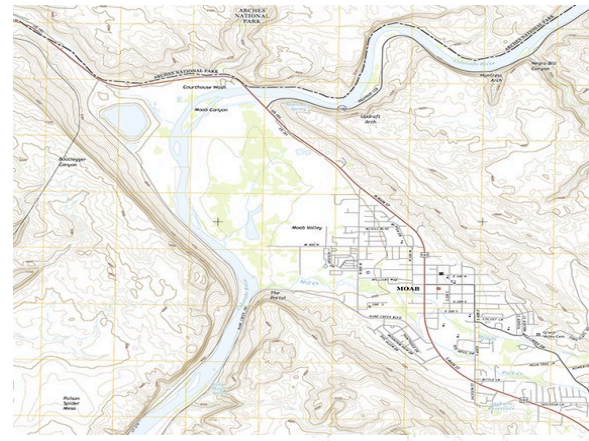




USGS Data Collaboration Announcement (3DHP, 3DEP)

and

Tribal Consultation in Wisconsin

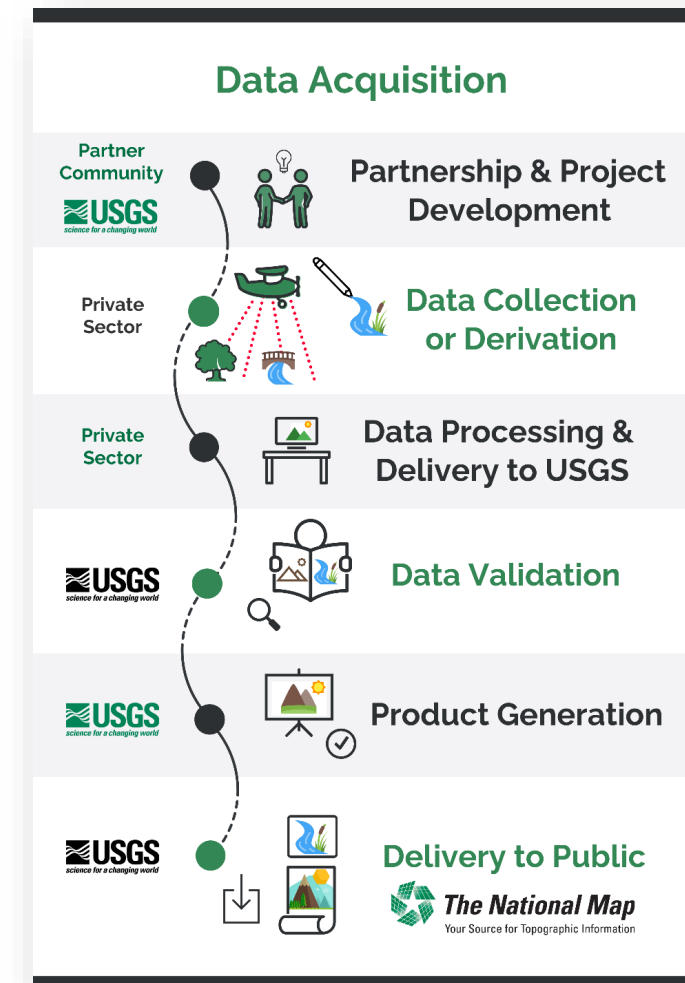


Mitch Bergeson – USGS National Map Liaison- WI, MN, IA
WLIA Spring Meeting – June 2024

Data Collaboration Announcement (DCA)

Formerly the Broad Agency Announcement (BAA)

- The DCA is the mechanism used for non-federal entities to partner with USGS and other Federal agencies to acquire high-quality hydrography data for 3DHP or lidar data for 3DEP
- Open to Federal agencies, State and local governments, Tribes, academic institutions and the private sector
- Applicants are encouraged to build funding coalitions to pool resources to fund 50% or more of project costs
- 3DEP and 3DHP “matching” funds are added to cover remaining costs





DCA Instructional Webinar

- The FY25 3DNTM DCA Instructional webinar will be held on August 7, 2024 from 1-2:30pm ET.
- This webinar provides an overview of the Federal Fiscal Year (FY) 2025 3D National Topography Model (3DNTM) Data Collaboration Announcement (DCA). Registration Required with NSGIC (coming soon).
- Expected release early to mid August



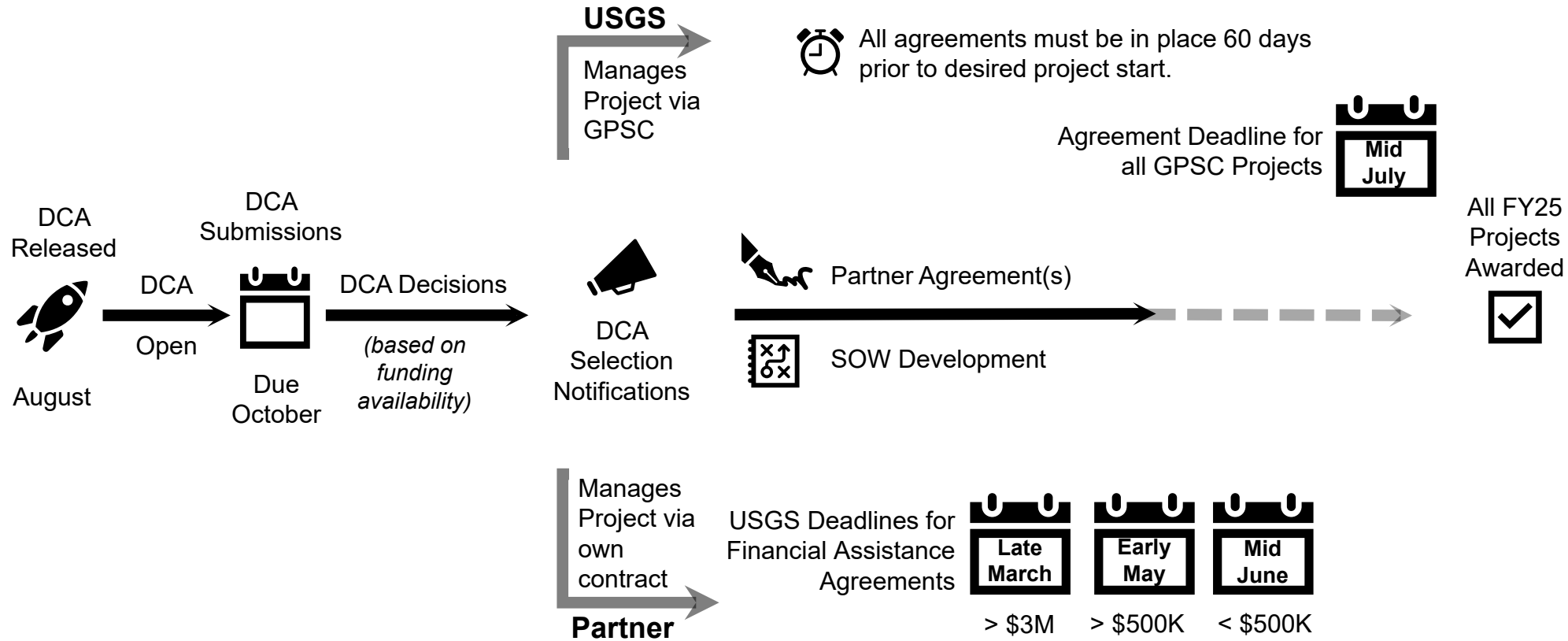
[usgs.gov/3DNTM/DCA](https://www.usgs.gov/3DNTM/DCA)

<https://www.usgs.gov/programs/national-geospatial-program/data-collaboration-announcement-portal>

+ 3DNTM DCA Timeline



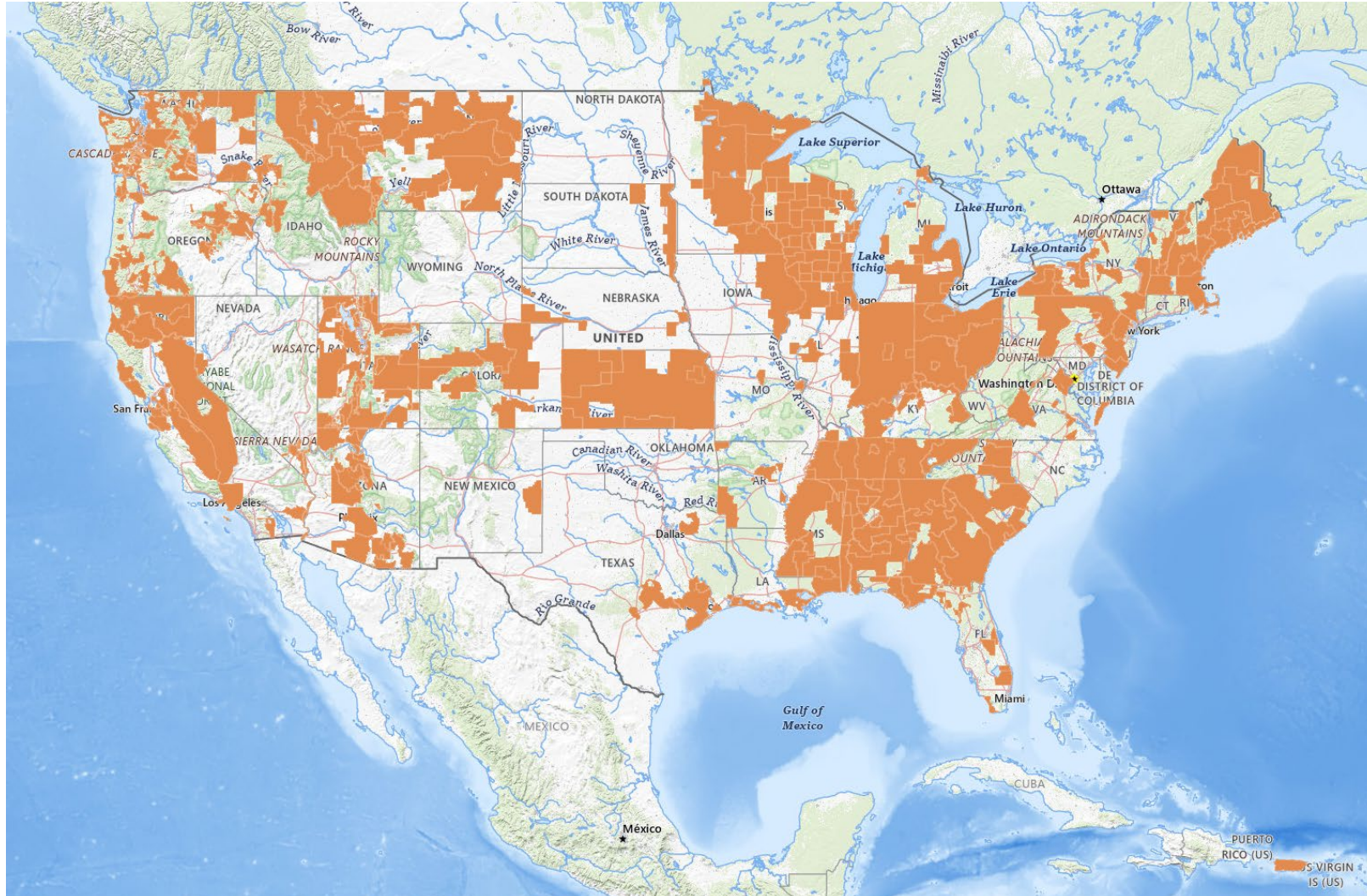
Work can begin when project is officially awarded.



Deadlines are approximate. Final dates will be posted at www.usgs.gov/3DNTM/DCA



3DEP BAA and DCA Projects

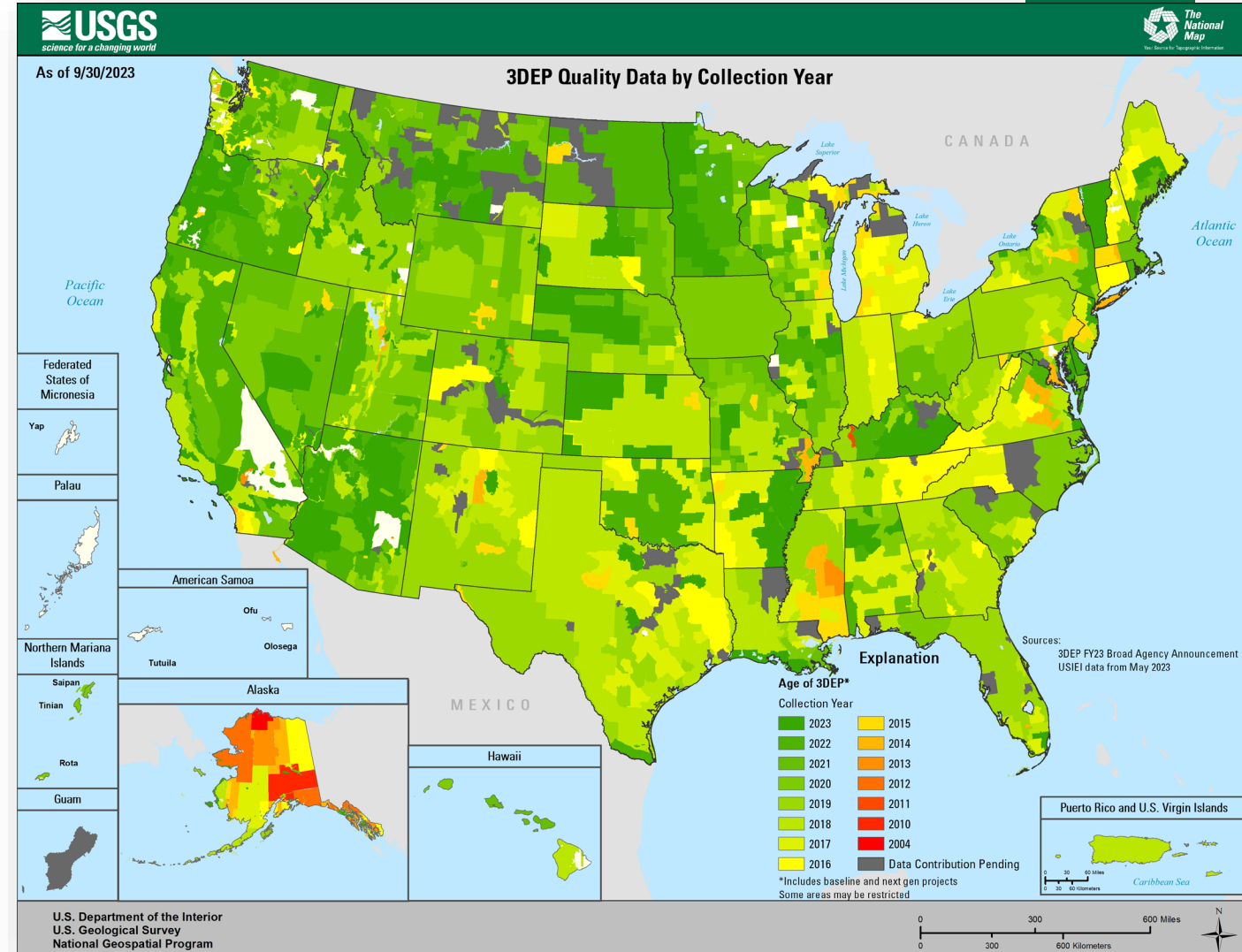




Current 3DEP Partnership Priorities

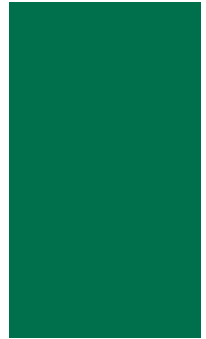
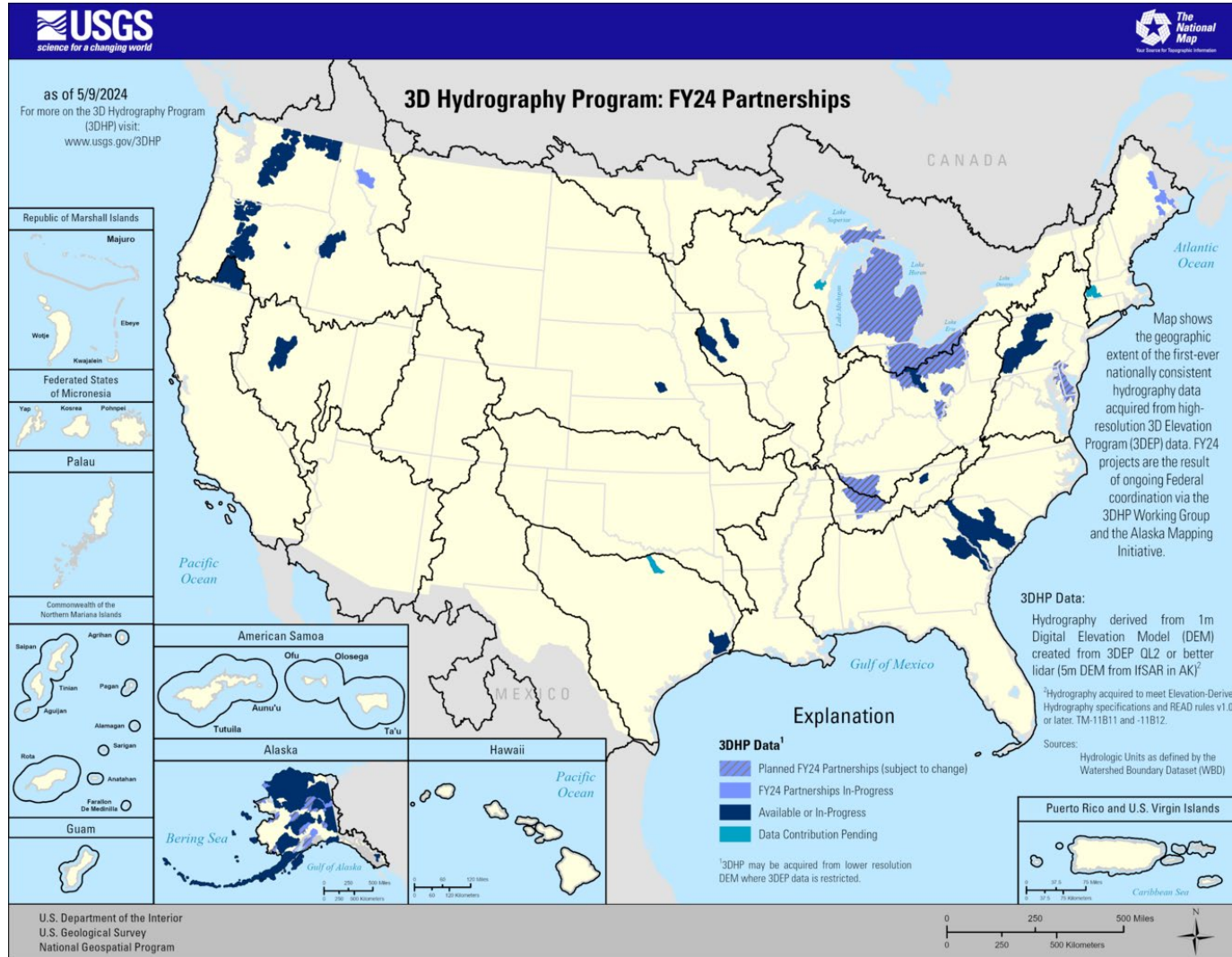
Baseline and next gen 3DEP transition

- Prioritize partnerships where there is no baseline coverage
 - USGS continues partnering on QL2 data
 - Applicants can submit projects for the acquisition of higher quality (QL1 or better) data as a buy up
- Where 3DEP baseline data exist – allow for new coverage
 - USGS partners on QL1 or QL2 data as submitted by the partner for areas where data are 5 years old or more
 - Applicants can submit projects for the acquisition of higher quality (QL0) data as a buy up





3D Hydrography Program FY24 Partnerships





3DNTM Data Collaboration Announcement

Find Partnerships: Seasketch – U.S. Federal Mapping Data Acquisition

Includes:

- Areas of Interest
- Points of Contact

The screenshot shows the Seasketch web application interface. At the top, it displays "U.S. Mapping Coordination" and "seasketch". The main area is a map of Wisconsin with various data layers overlaid. On the right side, there is a "Data Layers" panel with a list of layers including "NRCS 3DEP Areas of Interest", "FEMA 3DEP Areas of Interest", "USGS 3DEP Areas of Interest", "USFS Medium Priority Lidar 2022", "USFS Low Priority Lidar 2022", "NPS 3DEP Priority Areas FY24", and "NOAA 3DEP Areas of Interest". Below the list is a legend for "BLM 3DEP Areas of Interest" with categories: High (orange), Medium (yellow), Low (light green), and Complete (dark green). Two pop-up windows are shown: one for "NPS_3DEP_PriorityAreas_FY2024" and one for "NRCS_3DEP_Areas_of_Interest".

NPS_3DEP_PriorityAreas_FY2024

Service URL:
<https://gis.charttools.noaa.gov/arcgis/re>

POC: Jennifer Haack-Gaynor
 NPS Remote Sensing Liaison
 Jennifer_Haack@nps.gov

FID 38
 Shape Polygon
 ProjectNam Lower Saint Croix National Scenic Riverway
 SourceData Lidar-Topo

NRCS_3DEP_Areas_of_Interest

Service URL:
<https://services.arcgis.com/SXbDpmb7x>

POC: Drew Lane, Elevation Program Manager
 USDA, Natural Resources Conservation Service
 (573) 408-0706 (office);
 drew.lane@usda.gov



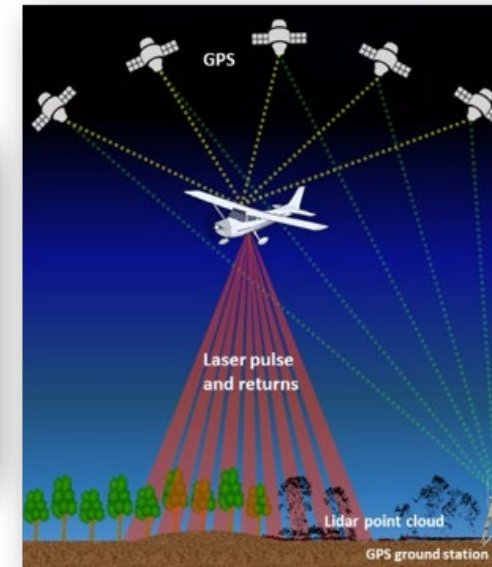
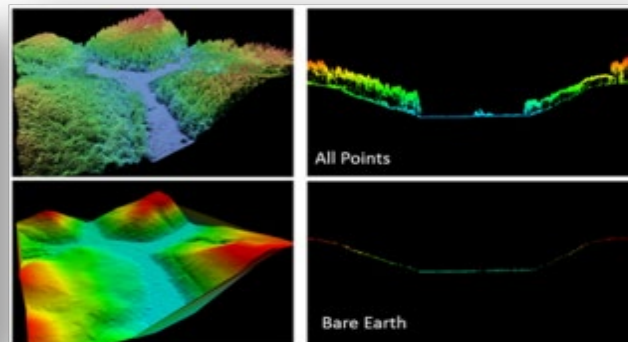
3DEP Tribal Consultation

Background

- 2011: Department of Interior Policy required all Bureaus to provide Indian Tribes and Alaska Native Claims Settlement Act Corporations the opportunity to consult before taking any action that may impact tribal interests
- 2016: USGS determined that publishing lidar may impact Tribal Nations
 - USGS took lead on notification and consultation for 3DEP
 - July 2017: started notifying for new projects
- Currently notifying tribes for all lidar projects collected or published since December 2011 (date of policy)
- Also sent National Notification Awareness letter to all tribes except in Alaska (unless we already had discussions with Tribe)
- Letters provide background on 3DEP, overview of Lidar and uses and offer tribes opportunity for a technical overview meeting.

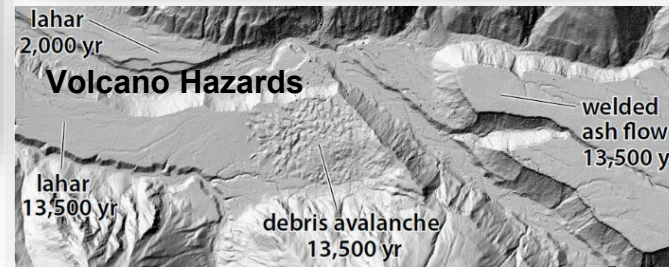
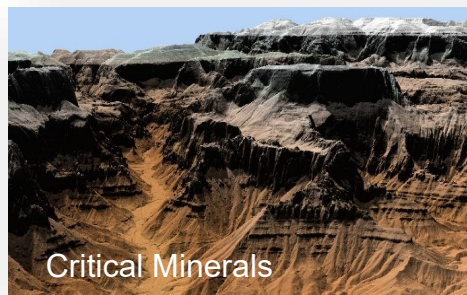
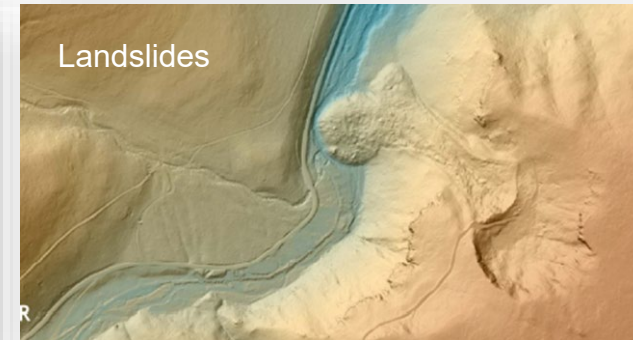
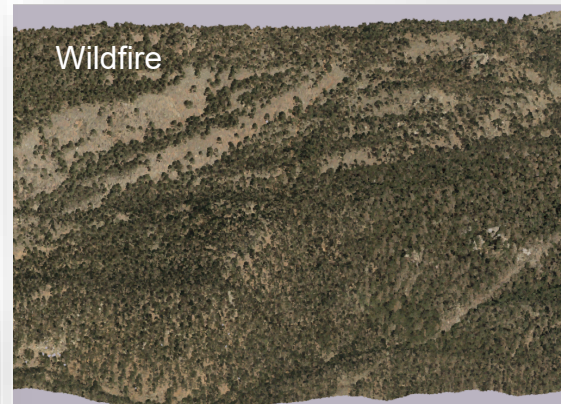
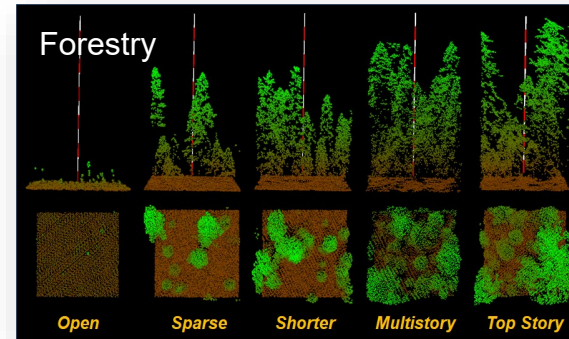
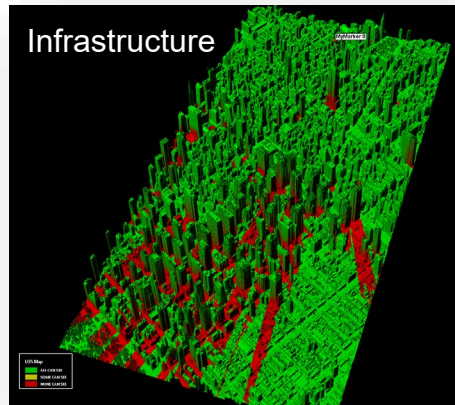
3D Elevation Program (3DEP)

- Use lidar to map bare earth and 3D data of natural and constructed features. Completely refresh national elevation data holdings with new products and services.
- Complete nationwide lidar coverage to provide **first-ever national baseline of consistent high-resolution elevation data – as both bare earth and 3D point clouds.**
- Address critical requirements of 34 federal agencies, 50 states, tribal and local governments, and private organizations documented in the National Enhanced Elevation Assessment
- ROI 5:1, conservative benefits of \$690 million/year with potential to generate \$13 billion/year
- Leverage the capability and capacity of private industry mapping firms
- Achieve a 25% cost efficiency gain by collecting data in larger projects



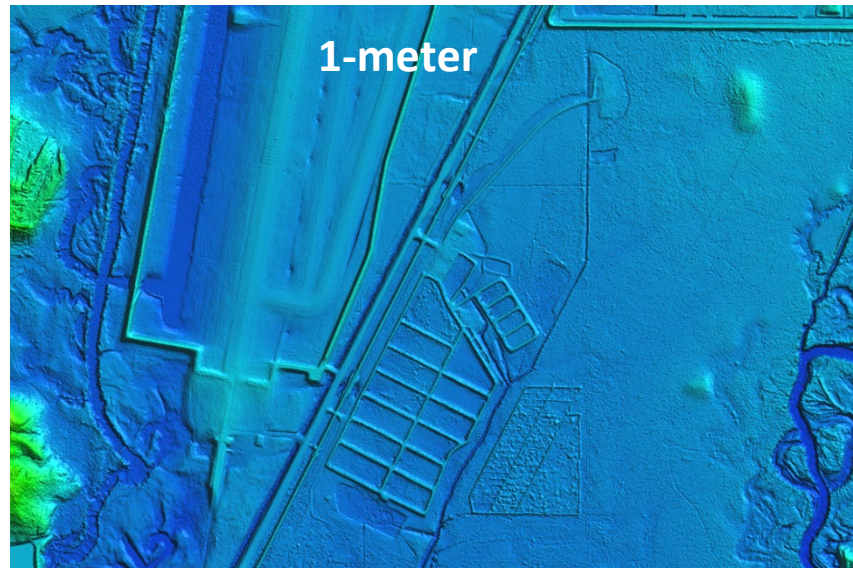
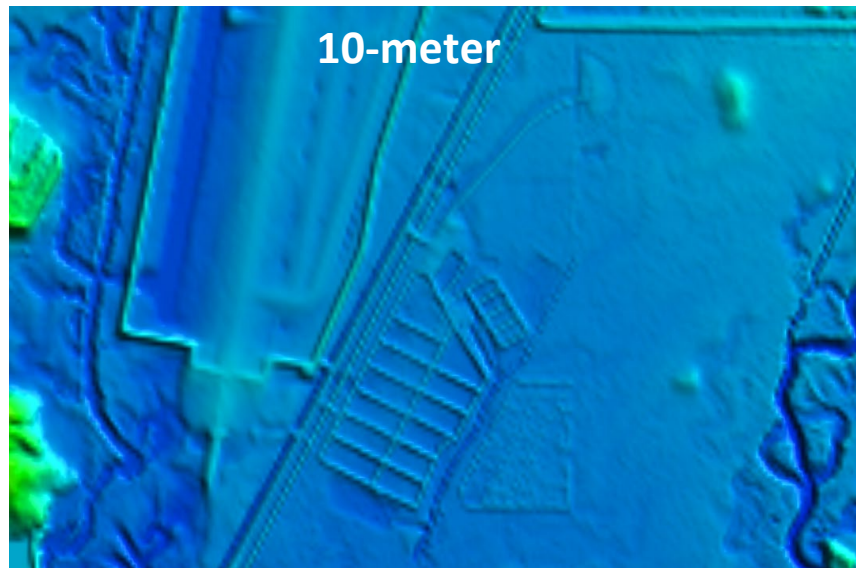
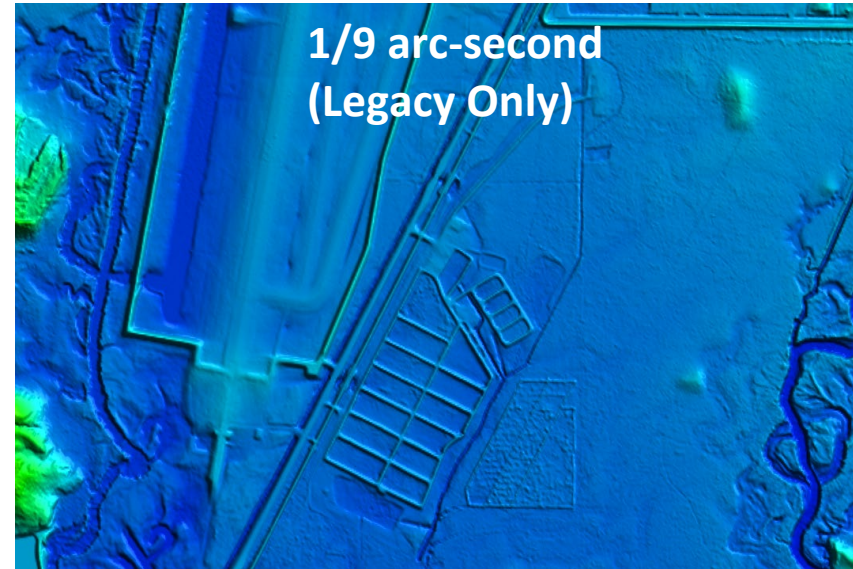
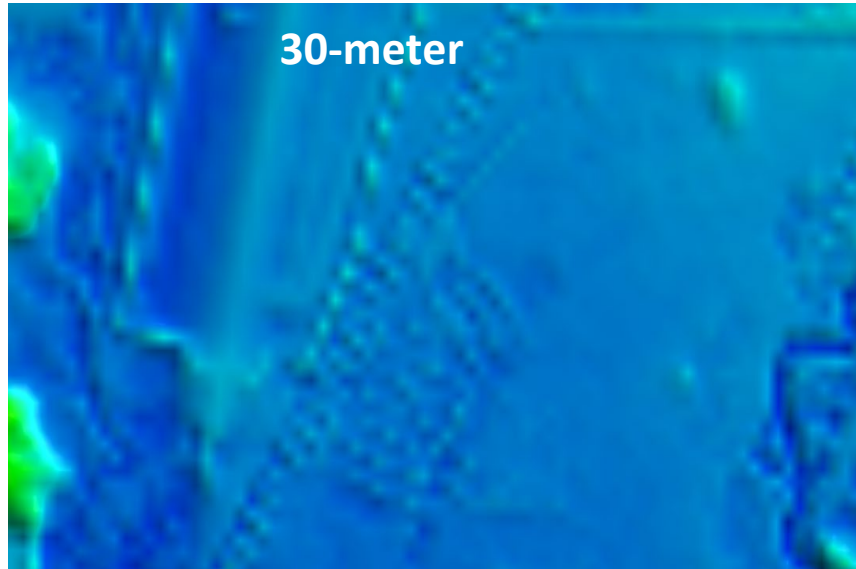


Lidar Applications





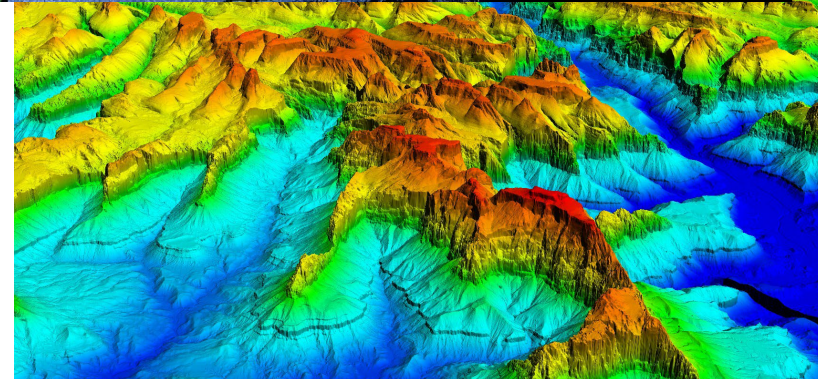
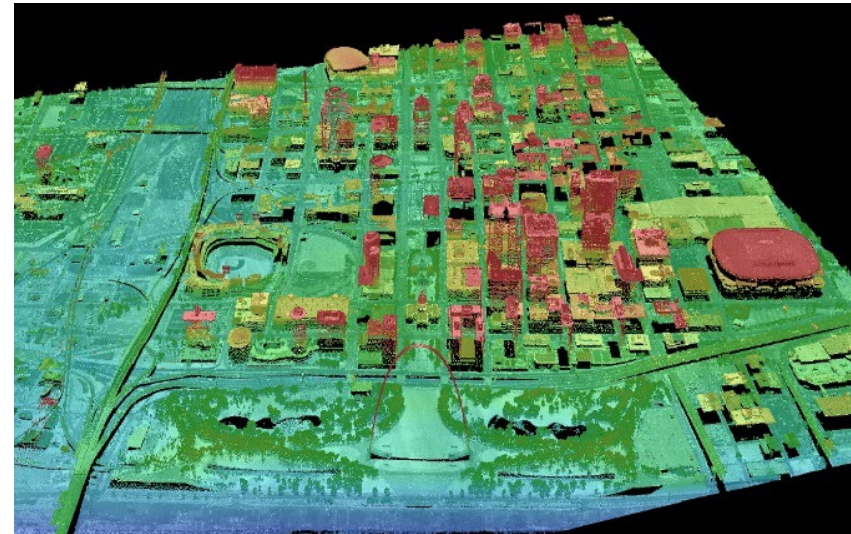
3DEP Standard DEM Products (Lidar source)



Lidar Benefits

Supports a broad range of applications and decisions that depend on elevation data

- Flood risk management
- Infrastructure and construction management
- Natural resources conservation
- Agriculture and precision farming
- Water supply and quality
- Wildfire management, planning and response
- Geologic mapping
- Forest, river and stream management
- Aviation safety
- Archaeological studies



Bare earth DEM shaded by elevation values, Zion National Park, UT

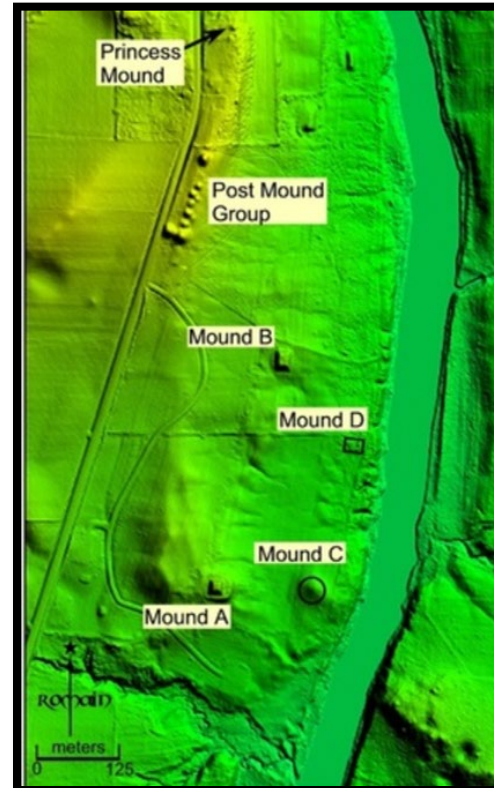
3DEP for Archaeology

Investigations of past landscapes and civilizations

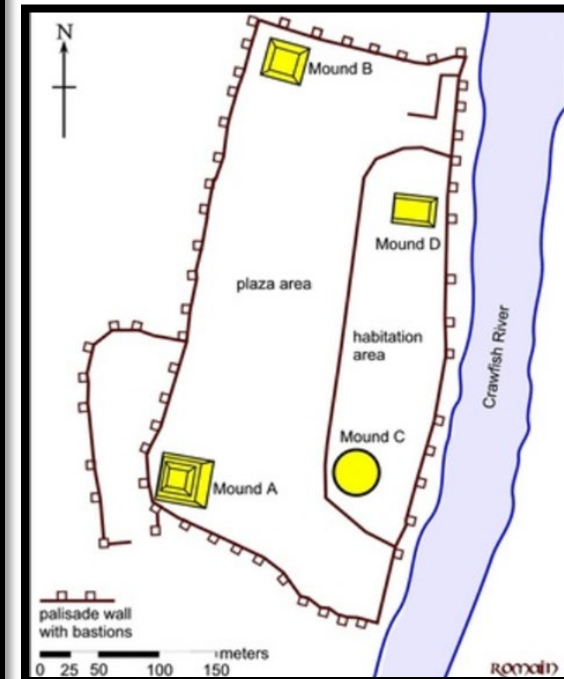
Lidar laser pulses can penetrate vegetation (in some areas) to map the ground underneath

Lidar can reveal details of the ground hidden by vegetation, including layout of archaeological sites

Lidar allows archaeologists to see the total scale of a site and understand the spatial relationship between archaeological features



Ancient mound site in Jefferson County, WI

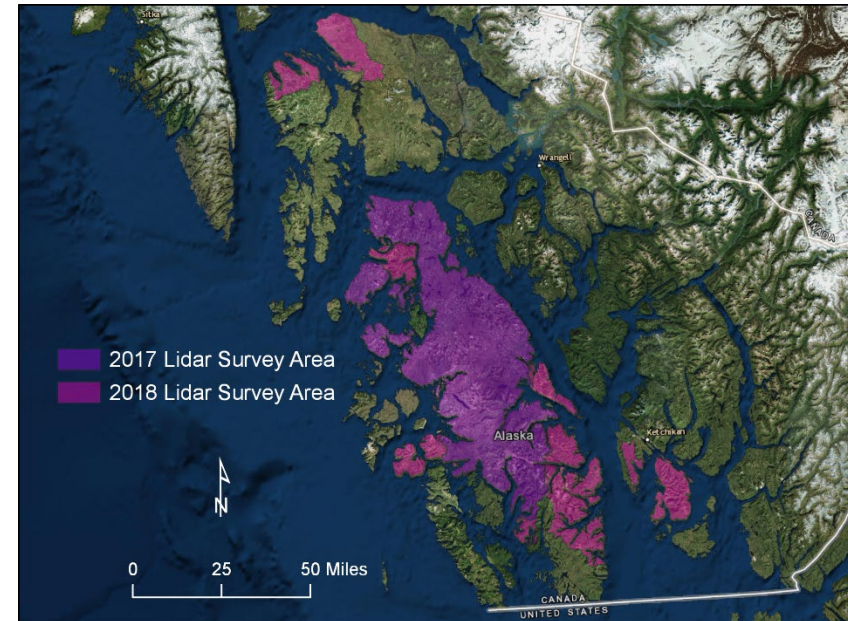


Images: William Romain, Ancient Earthworks Project

3DEP Partnerships with Tribes

Metlakatla Indian Community and Organized Village of Kake in Alaska, 2017-2018

- Partners: USGS, The Nature Conservancy, USFS, Alaska Native Corporation Sealaska (with support from Alaska DNR and local tribes)
- *“We immediately saw the benefit of the 3DEP project to all of our natural resources programs – fisheries, forestry, aggregate and invasive species – as well as a means to leverage the data for a planned Integrated Resources Management Plan”- Genelle Winter, Metlakatla tribal staff*



Lidar survey areas on Prince of Wales Island, Alaska

3DEP Lidar Projects Over Tribal Lands

What will the data be used for?

US Geological Survey

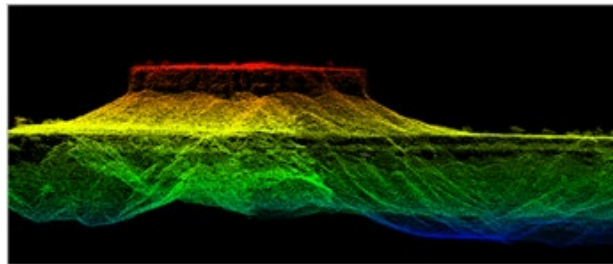
- Updating topographic maps and elevation models
- Mapping vegetation biomass
- Deriving updated hydrography data

State and Regional uses

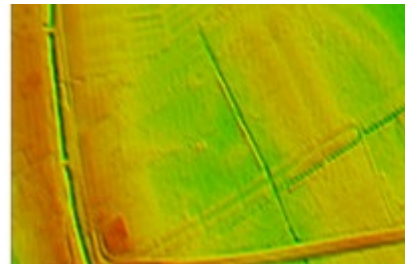
- Hydrography and Wetlands data creation
- Forest inventories and Fire mitigation
- Road safety, culvert analysis and construction
- Flood abatement, Hazard Mitigation Planning, Climate Resiliency
- Habitat analysis

Concerns with Data: Options

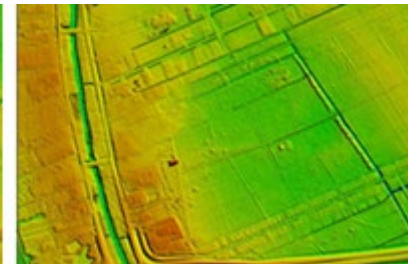
- USGS will work with tribe until any concerns are resolved. If desired tribe can review data before making a decision
- Options to protect data from public access:
 - Modify area of concern to match surrounding area
 - Remove area of concern from 1m DEM, Source DEMs, and/or Lidar Point Cloud
 - Remove entire reservation/trust land from 1m DEM, Source DEMs, and/or Lidar Point Cloud
- USGS requests a letter or email from tribal leader stating concerns and desired action
- Federal partners are required to honor resolution
- Nonfederal Partners required to get written permission from Tribe to access restricted data



Lidar Point Cloud



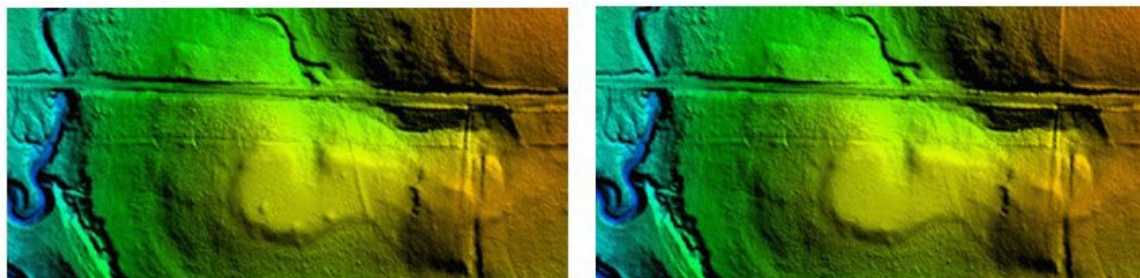
10-meter DEM



1-meter DEM

Concerns with Data: Options

- USGS will work with tribe to resolve privacy concerns
- Options to protect data from public access:
 - Modify area of concern to match surrounding area



Original DEM

DEM modified to obscure certain features

- Remove area of concern from 1m DEM and lidar point cloud products
- Remove entire reservation lands from 1m DEM and lidar point cloud



Data redacted for
L'Anse Reservation
at the request of the
Keweenaw Bay
Indian Community

Lidar data publicly
available



3DEP Lidar and Lac du Flambeau

USGS
science for a changing world

3DEP LidarExplorer

Search Process About LIDAR Type a lidar project name BASE MAP

Which product are you interested in?

LIDAR DEM OTHER

Show where Lidar is available.

Show Topobathy Lidar.

Click on the map to retrieve information about a lidar project.

Show options for filtering the lidar map display?

Hide Legend

- Lidar Point Cloud QL0 (Approx. <= 0.35m NPS)
- Lidar Point Cloud QL1 (Approx. 0.35m NPS)
- Lidar Point Cloud QL2 (Approx. 0.7m NPS)
- Lidar Point Cloud QL3 (Approx. 1.4m NPS)
- Lidar Point Cloud Other
- Topobathy AOI
- Topobathymetric Lidar Point Clouds

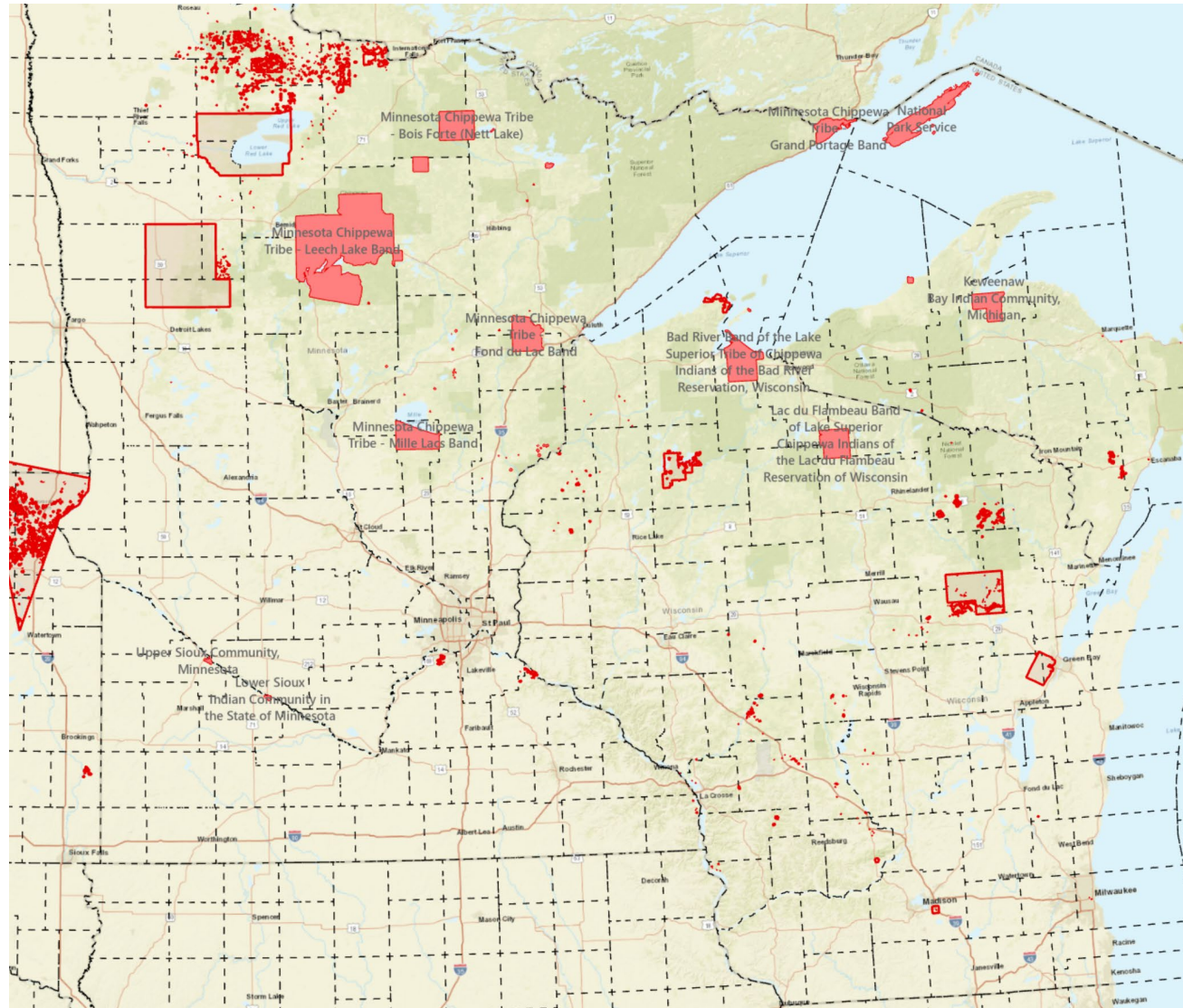
More Info

Define Area of Interest

5 km



3DEP Lidar Tribal Reservations and Redacted Areas





THANK YOU!

Mitch Bergeson
USGS National Map Liaison for Wisconsin
mbergeson@usgs.gov
715-670-8478

Bismarck, ND
3D Elevation Program (3DEP)



**Wisconsin Land Information Council
Minutes 2024-02-28**

Meeting Date: Wednesday, February 28, 2024
Time: 2:00–4:00 p.m.
Location: [WLIA 2024 Annual Conference](#) | Green Bay, Hyatt Regency & KI Convention Center, Riverview 3
Remote ID: [Click here to join the meeting](#) | Meeting ID: 289 281 641 306 | Passcode: ooQfxj
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 623 643 599#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke	N	Colter Sikora	Y
Kim Christman (proxy)	N	Chris Carrillo	Y	Jim Osborne	Y
Kelly Felton	Y	Christina Muller	Y	Howard Veregin	Y
Scott Hand	Y	Cody Brommerich	Y	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees
 Mike Friis, Peter Herreid, Nick Gamroth (proxy for Kim Christman), Zach Hassler, Nik Anderson, Richard Kleinmann, Jaime Martindale, Joe Fleischmann, Zach Nienow, Zach Robinson, Sara Chiamulera Adam Grassl
Remote: Norm Bushor, Heather Dums, Scott Godfrey, Justin Meyer, Brittany Goudos-Weisbecker, Davita Veselenak, Emily ---, Paul ---, 715-***-801.

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2023-10-18](#)
 - Motion to approve by Derringer, seconded by Veregin.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - WLIC membership is full (https://doa.wi.gov/DIR/WLIC_Members.pdf).
4. **WLIP Program Update** (Mike Friis/Jim Giglierano/Peter Herreid)
 - a. **Lidar status and hydrography updates**
 - Giglierano provided updates on the U.S. Geological Survey (USGS) 3D Elevation Program (3DEP) lidar grants.
 - The state reached a milestone with the FY22 3DEP project of 12 counties, which completed coverage of federal standardized 3D elevation data for the state. The data is in the process of delivery.
 - The USGS rules have changed. There will be a need to pay more attention to where federal agencies want to go with coverage, and a need to be more contiguous in the area of the flight pattern in the future.
 - Work with partners, like the Forest Service and USDA Natural Resources Conservation Service will continue, as will planning for the next generation USGS 3D National Hydrography Program.
 - Muller asked, would the future hydrography data be incorporated for use by the National Weather Service/River Centers for forecasting? That is an ongoing concern for emergency managers to share and compile data for the best forecast.
 - Giglierano replied that if the data is acquired by federal agencies, it will be available to the public, should they choose to incorporate the data into their models.

b. WLIP grants and program status

- Herreid provided updates on WLIP grants and revenues.
- Recording levels last state fiscal year were at 30-year low. Recording levels have not noticeably picked up as of December 2023. There may be regional variation, but this was not analyzed.
- The 2025 Strategic Initiative Grant projection is at the \$10,000 level. This estimated projection is based on Register of Deeds recording revenues, and also considers how much Base Budget funding will be needed for grants to get all counties to the minimum Base Budget level of \$100,000.
- This year of the 3-year update cycle for [county land information plans](#). The instructions are about to be finalized. The draft instructions were sent out for public review.
- The process will work like previous years, where after the release of the final instructions, counties have six months to submit a draft plan. DOA reviews the draft plan, county land information councils must approve the plan, and then the final plan is submitted to DOA. There will be a voluntary peer review process in which two counties review another county's plan, but DOA does not see the peer reviews.
- Herreid encouraged county land info council members to participate in the plan updates, as it is an opportunity to have a voice in the county's land information planning process.

5. Project Updates

a. 2025 Wisconsin Regional Orthoimagery Consortium status (Adam Derringer)

- Derringer gave updates on WROC, the imagery program that dates back to the 1990s. It is managed by regional planning commissions, the primary one being the North Central Wisconsin RPC (NCWRPC).
- Contractors work with counties to get orthophotography, usually on a five-year cycle, but some counties like to collect more frequently. The program opened up a window so people can collect in 2023, 2024, and 2025 for the 2025 cycle.
- Flights for 2024 include 19 counties flying in spring 2024 and several municipalities. All at least 6-inch resolution, all will be 4-band, for various uses. There is a countywide 3-inch imagery trend.
- This cycle expects to see more counties participate.
- There has been an expansion of what people are using the data for. The data is not just utilized by counties and municipalities, but partners at state and federal level, private sector, small and larger utilities, and co-ops.
- Significantly more partners have come in. There is a WLIA presentation scheduled for Thursday, February 29th, by Zachary Nienow, WROC Program Manager at Ayres Associates, and Andy Faust of NCWRPC. Nik Anderson also represents WROC for about a third of the state.
- As partners come in to the program, counties may get rebates on their original contribution amounts. The partner money is redistributed equitably to the counties when the data is distributed.

b. WLIA update/ Register of Deeds Recording Fee ([Assembly Bill 915](#)) (Adam Derringer)

- Derringer reported WLIA updates, beginning with [Assembly Bill 915](#), concerning fees for recording and filing instruments with the registers of deeds; the portion of such fees used for the land information program; and the minimum state grant amounts under the program.
- The bill was introduced by Representatives Novak, Tranel, O'Connor, Rozar, Subeck and Melotik; co-sponsored by Senators Ballweg and James.
- As it stands, no legislative action was taken on AB915.
- The substance of the bill is the recording fees that fund the WLIP Program.
- WLIA worked with the WLIA lobbyist to arrive at the proposal to raise the number for the document recording fee.
- A motivating factor is the observation that counties are falling behind in resources to meet land information needs.
- WLIA formed a task force to look at the issue, considering factors such as NextGeneration9-1-1, spending on education, and inflation, which puts the \$30 amount from the year the fee was instituted to \$42 today.
- The task force determined to write legislation to increase it to 45 dollars, so that there would be more resources for DOA's WLIP grants and more retained by the county.
- Multiple organizations were [in support of AB915](#), such as the Wisconsin Land Surveyors Association, Wisconsin Real Property Lister Association, Wisconsin Land Title Association, and the Land Information Officers Network (LION). Many organizations wrote letters of support for the program.
- The hearing materials, including the letters of support, are all combined in one PDF document (https://docs.legis.wisconsin.gov/misc/lc/hearing_testimony_and_materials/2023/ab915/ab0915_2024_01_09.pdf)
- The Wisconsin REALTORS® Association opposed AB 915, with the caveat that land information should be funded, but in a different way.

- The bill has not passed out of committee.
- WLIC Council discussion focused on the need for the increase in funding, justified by the expenses counties have, the increase in workload for the land information office, and the shrinking dollars devoted to land information over the years.
- The proposed version of New Jersey’s “Daniel’s Law” ([Senate Bill 927](#)), requiring privacy protections for judicial officers, if passed, would add to county demands. Some local data availability might be at risk, as counties might turn off public access to their apps and take parcels offline.
- Veregin pointed out that counties are not the only ones to be impacted by SB927, as state agencies and UW-Madison are also affected. They also hold data and would likely need to comply with the terms of the law as a data broker. Like with local governments, it is an unfunded mandate for state agencies and the University too.
- Gamroth commented on the discussion of user fees by legislators, maintaining that user fees would have a negative effect on counties and users. Land information programs are funded by a “tax”—it is like a tax for the recording fee. To charge a user fee would be to tax again, by subscription or fee. This point was not made to the legislature. The county data, currently available for free, offers users accuracy and timeliness, and users are not likely to pay for access to the county’s website.
- There are other users of the data in other industries, such as surveyors and certified survey map makers.
- For AB915, the WLIA Legislative Committee thinks that 15 dollars is not going to prevent a prospective homebuyer from buying a house.
- Carillo stated that home affordability is a serious problem in the state. Interest rates are still high. The Fed indicates no change this year. Realtors are sensitive to anything that affects a homebuyer. The income needed for a loan, with low housing inventory, and other costs can impact homebuyers.
- The point was made the counties cannot realistically go for levy dollars (or dollars that go to the general fund), so a recording fee increase may be the only place to go to raise revenue.
- Gamroth pointed out one major software company produces most of the state’s computer assisted mass appraisal (CAMA) data in the state.
- Derringer pointed out that multiple entities could benefit from the increase in revenue, including listing services and realtors, and encouraged continuing the conversation with realtors.
- On the topic of [Senate Bill 1002](#), WLIA registered in support of SB 1002, which concerns school district boundary adjustments for lots in newly created subdivisions and school district boundary mapping.
- This affects where kids go to school and taxation issues. The bill would require land information officers to submit school district boundaries on an annual basis. Real Property Listers would need to assign a property to the appropriate school district.
- If a property is split across multiple districts, the bill provides a list of things to determine how to assign it. The state superintendent will have to create a statewide map, compatible with the Department of Public Instruction’s map. The legislation puts local governments and the state on a path for statewide school district boundaries.
- The Bill was referred to the senate but will likely not be passed this session.
- Wisconsin Real Property Listers Association was neutral on SB 1002.
- Gamroth encouraged working with the Wisconsin Association of School Boards and the Association of Wisconsin School Superintendents, educating them of the need for a change in Chapter 117 of the statutes relating to how school board goes about altering their school district boundaries.
- Discussion touched upon how the school district boundaries are not integrated in statewide parcel data. Some parcels fall in more than one district. Legislation could help to make the boundaries official and then determine the process for how adjustments are made, based on a recorded subdivision plat.

c. AB966 / SB927 (Nik Anderson)

- Anderson spoke on Wisconsin version of New Jersey’s Daniel’s Law, proposed as AB966/SB927 ([Senate Substitute Amendment 2](#) of SB927 was most current at the time of meeting).
- A group of people from different sectors led by Wisconsin Property Records Industry Association (PRIA) met on Tuesday, February 27th to discuss how the bill is going to be implemented.
- The Legislation concerns judicial security and privacy. It shields their information on public facing websites and in register of deeds documents.
- This would involve submission of a form through the Wisconsin [Director of State Courts](#).
- The information is shielded, not redacted, so the information is still there, but people do not have access to it. It protects the judicial officer from having their name searchable or displayable.
- If the bill passes, there will be 12 months after the governor signs it to come up with a communication plan.

- WLIA will create a task force to find the best solution possible.
- The intent is to provide roadblocks for someone who wants to cause a judge harm. There must be malicious intent for the aspect of the bill that makes it a felony to share shielded information.
- A county's corporation counsel will have to determine what their interpretation of the law is.
- Anderson stated that one statewide plan for implementation will be crucial.
- Herreid read from "Part 7" of the bill which states that a government may not post or display information that includes "personal information," which is defined to include address. This could be interpreted to mean not only taking off the name from search, but also address.
- It would be hard to selectively edit multiple files, documents, and databases upon each request.
- There are dozens of archived versions of land records held by local and state governments.
- Herreid pointed out that the bill as written leads to the potential of taking out owner name, mailing address, and site address fields from *all* records in the statewide parcel map.
- For change in software, software vendors will need to make a change. This may or not be covered under the local government's existing contract with the vendor, including ROD software and GIS software.
- An indeterminate amount of money will be required to comply with these changes. For some local governments, the easiest thing to do may be to turn it *all* off.
- There were questions about implementation and logistics. For example, how the communication chain and information flow to affected entities will work once a shielding request is made for agencies to be able to comply.
- Anderson stated that the bill's authors are open to additional legislation to help clean up the legislation.
- Veregin asked, if WLIA has a plan to amend, how can organizations get involved? There is difficulty for state agencies to get involved in legislation.
- The WLIA task force, which will fall under the WLIA Technical Committee, has not been created yet. There was a request to have someone from the State Cartographer's Office on the task force.
- Discussion also touched upon privacy laws in other places like the European Union. Other states have done it. Herreid mentioned the New Jersey example, where they have had issues, such as a class action lawsuit against data brokers by police officers and conflict between complying with the law and journalists' work to hold government officials accountable.
- Veregin questioned the certainty that the bill would pass. Anderson said it was on the fast track with a big appetite to push this through.
- The bill's status at the time of meeting was "Available for scheduling."

d. NG9-1-1 update from Department of Military Affairs (Zachary Hassler)

- Hassler provided updates from the Office of Emergency Communications (OEC) on NextGeneration9-1-1, including the project for the state's AT&T Emergency Services IP Network (ESInet) contract.
- All counties have signed up, either with AT&T or with other 9-1-1 providers.
- There are 65 active public-safety answering point (PSAP) projects. 8 PSAPs are live with AT&T.
- OEC will be holding several NextGeneration9-1-1 stakeholder outreach sessions.
- Email [Zach Hassler](#) or [Jessica Jimenez](#) for more information, or view the [OEC calendar](#) on the website.
- 9-1-1 grant program funding increased for FY25. GIS grant availability is at 6 million, up from 1.5 million for 2024. For FY25, PSAP grant amounts will be at 18 million, up from 6 million.
- [Grant Grywalsky](#) from OEC will be hosting online workshops in April, one for PSAPs and one for GIS, with question-and-answer sessions.
- Hassler also provided GIS updates. For NextGen9-1-1, GeoComm and DMA have signed a contract for data management services.
- GeoComm will be providing data in mid- to late March, working with state and county governments to update the standards. By the end or middle of March will wrap up. GeoComm will provide the standards to participating GIS providers.
- Intrado is the data subcontractor. Counties are using data services such as GeoComm and others.
- GeoComm will be providing data once the GIS data tool is up and running.
- There is an option for a base approach to i3 deployments, where local governments can submit polygons and provisioning boundaries, without road centerlines and address points. This is to give them more time with the more detailed layers.
- Hassler still maintains a working layer of provisional boundaries across the state.
- OEC is still holding statewide GIS NG9-1-1 calls. They are focusing on interactions between GIS and NG9-1-1 datasets. They are working to better craft workflows and best practices on these issues, to add to the Wisconsin GIS and NG9-1-1 data standards.

e. Brown County OneMap Project (Jim Giglierano)

- Giglierano gave an overview of a project in Brown County and Outagamie County to develop a multi-layer map where similar but distinct federal layers are harmonized, with the same base imagery and lidar.
- Funding is from the DOA Wisconsin Coastal Management Program. The contractor is NV5.
- They are employing new federal standards for 3D hydrography, adding a wetlands inventory on top of that, and using data from a NOAA program called C-CAP (Coastal Change Analysis Program), which is a one-meter land cover.
- The contractor will harmonize the data for like features.
- A goal is getting federal agencies to recognize there is a different way to do things, to not have a mishmash of layers. Andrew Brenner from NV5 and Jeff DuMez are involved with this pilot effort. Wisconsin is hoping to do other areas of the state and secure more partners.

f. 2022 Coordinate System Update

- Veregin from the State Cartographer's Office update and Richard Kleinmann gave a 2022 coordinate system update. They co-Chair [WSRS2022](#), the Wisconsin Spatial Reference System 2022 Task Force.
- Modernization of the National Spatial Reference System (NSRS) modernization is occurring through the National Geodetic Survey (NGS).
- The WSRS2022 Task Force was started in 2018, organized under the Geospatial Committee of the Wisconsin Society of Land Surveyors, to look at statewide implementation of the new NSRS, legislative requirements, et cetera.
- NAD 83 and NAVD 88 will be replaced with new horizontal and vertical reference systems known as the North American Terrestrial Reference Frame of 2022 (NATRF2022).
- A milestone for Wisconsin was attained, as agreement has been reached with NGS on low distortion projection parameters.
- There is an updated 2022 State Plane Coordinate System (SPCS) which will be available in the future, along with other NATRF2022 materials. Right now, only preliminary data is available for testing. Various pieces will continue to be rolled in until about 2026.
- The task force is now focusing on other things, like legislation for the new datums. WSRS2022 has a legislative group led by [Eric Damkot](#).
- Legislation could, but does not have to, require or force users to use the latest NGS implementation of NSRS. The details of legislation will be important so as to not unnecessarily box people into the highest levels of accuracy for survey grade coordinates and associated overhead.
- Although transformation tools will be available, NGS will tell users they have to reshoot all coordinates, rather than perform a transformation.
- There was a worthwhile NGS webinar in February 2024. The [NGS website](#) features "[Recorded Webinars](#)."
- The Wisconsin Department of Transportation will be making a switch to the new datums. Change is coming.

g. PSC Broadband update (Colter Sikora)

- Sikora gave a broadband update from the Public Service Commission of Wisconsin.
- For broadband [grant programs](#), PSC is wrapping up recommendations for announcements of the Capital Projects Fund Broadband Infrastructure Grant Program but a date is not known.
- They are starting to work with the broadband fabric point data, reconciling the data providers sent. This makes use of a lot of locally sourced data.
- This year's activities will include the federal challenge process, which will occur in the next few weeks. This is for broadband stakeholders from the provider community and broadband planners. Then PSCW project deployment will be assigned later this year. They will continue working to arrive at areas to cover the whole state and intelligent broadband project areas.
- There will be a local broadband planning outreach effort in March through May across the state for mappers and other stakeholders.

6. Discussion (Jim Giglierano)

- (Due to time a separate discussion did not take place.)

7. Next Steps/Action Items

- Next WLIA meeting – [WLIA 2024 Spring Regional Meeting](#): June 5-7, Marshfield

8. Adjourn

- Meeting adjourned at 4:06 pm



**Wisconsin Land Information Council
Minutes 2023-10-18**

Meeting Date: Wednesday, October 18, 2023
Time: 1:00–3:00 p.m.
Location: [WLIA Fall Regional Meeting](#) | Minocqua, Pointe Hotel and Suites
Remote ID: [Click here to join the meeting](#) | Meeting ID: 250 855 236 205 | Passcode: bzNLU4
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 550 411 278#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Adam Derringer	Y	Sarah Hedtke (remote)	Y	Colter Sikora	Y
Kim Christman	Y	Chris Carrillo (remote)	Y	Jim Osborne (remote)	Y
Kelly Felton	Y	Christina Muller	Y	Howard Veregin (remote)	Y
Scott Hand	N	Cody Brommerich	Y	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees

Mike Friis, Peter Herreid, Nick Gamroth, Nik Anderson, Doug Avoles
 Jerry Bougie, Adam Dorn, Brittany Goudos-Weisbecker, Nicole Hoepfner, Jim Landwehr,
 Jennifer Solberg, Davita Veselenak, Ben Wildenberg

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2023-02-22](#)
 - Motion to approve by Felton, seconded by Wisinski.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - a. **Council member appointments**
 - At full membership with new [WLIC member](#) appointments made in fall of 2023 for 3-year terms.
4. **WLIP Program Update** (Mike Friis/Peter Herreid/Jim Giglierano)
 - a. **Lidar status and hydrography updates**
 - Giglierano provided updates on the U.S. Geological Survey 3D Elevation Program (3DEP) lidar grants.
 - For last year’s USGS 3DEP data, Wisconsin is waiting on delivery for some counties.
 - This year’s project included Manitowoc and Buffalo Counties.
 - A new proposal for 2024 projects was recently submitted (for Dane, Waushara, LaCrosse, Taylor, and Portage Counties).
 - There is an upcoming USGS 3D Hydrography Program. It will be different in that they are looking for watersheds. The county-by-county approach will need to be adjusted to become a more watershed-centered approach.
 - There is a One-Map project which was funded by the Department of Administration Wisconsin Coastal Management program. The pilot is for watershed areas in Outagamie and Brown Counties. The goal is to get to “analysis-ready data” and build a proof of concept.
 - The projected timeline has the contractor working on the first watershed in spring of 2024, followed by the evaluation process and then the remaining two watersheds. It could be at least a year and half to get all the data.

b. WLIP grants and program status

- Herreid provided updates on WLIP grants and revenues.
- The WLIP 2024 grant announcement went out in late August. Grant applications are due December 31, 2023.
- Total grant eligibility amount is down from the previous year. 2024 statewide grant eligibility totals \$3.8 million, down from \$7.3 million for 2023 grants.
- Documents recorded during FY 2023 marked a 43% decline from FY 2021.
- Base budget eligibility statewide increase by 61% for 2024 over 2022. Base Budget grants increase when recording revenue goes down, which shrinks the margin of grants.
- Strategic Initiative Grants will be only \$10,000 per county for 2024, down from \$70,000.
- Base Budget grants increase when recording revenue goes down, which shrinks the margin of grants.
- Page 5 of the [2023 WLIP Report](#) shows the recording levels, with the number of documents recorded over the last 30 years.
- Lower recording numbers are most likely due to higher interest rates and tight housing supply. Carillo stated that lack of inventory to meet demand is the problem (for housing sales); interest rates are secondary.
- There was discussion of whether administrative costs for the Program could be decreased. Friis commented on program administrative costs. Generally, about 85% of future Land Information Fund funding is projected to be spent on grants. State administrative budget is pre-determined by the legislature in the biennial budget. These include the statewide parcel project work done by the State Cartographer's Office and review of municipal boundaries and annexations (averaging about \$73,000 for the review portion).
- The Land Information Fund used to be one fund, now the administrative costs and "aids to locals" (grants) are two different appropriations. To get unspent administrative funds back into aids would take a separate act of legislation.
- There was concern that it is hard for counties to do anything on the little funding that they are getting. Discussion points included the fact that counties are dealing with a pie that is getting smaller while demands are going up. To demonstrate the importance of the Program, county board members are one audience that can be targeted, as well as the Wisconsin Counties Association or Towns Association, as well as the state appropriators.
- Herreid noted that the grant application cannot be put out any earlier in the year, because DOA has to wait for legislature to appropriate funding in the biennial budget act. Grants are also calculated based on the previous fiscal year's recording numbers, which are not available generally until early August.
- Herreid provided updates on the Statewide Parcel Project. The Version 9 statewide parcel layer came out at the end of June, with a new web app for V9. Usage of the statewide parcel data is tracked by downloads and hits, reported in the project final reports, including the [V9 Final Report](#).
- The V10 request for county data will come out December 1st. No disruptive changes to the call for data are expected.
- For V10, no changes related to the repeal of personal property taxes are expected, because that goes into effect January 1, 2024. V10 will collect data for parcels as assessed on January 1, 2023.
- Herreid also noted that the E5 PLSS layer has been released. Upgrades include new corner integration and quarter-quarter-section polygons. DOA and the State Cartographer's Office are always looking for feedback.
- Veregin noted that there are no coordinates published for the parcel map, although the PLSS layer or the [Survey Control Finder](#) app does include the coordinates that are the best available, which is sometimes approximate and not survey-grade.

5. 2023 Wisconsin Comprehensive Plan and Local Land Regulations Inventory Report (Peter Herreid)

a. Possible land information office roles in updating comprehensive plan &

b. Potential county roles in getting more county and municipal ordinances online

- Herreid gave overview of the [2023 Wisconsin Comprehensive Plan and Local Land Regulations Inventory Report](#).
- The report was compiled from data collected by visiting every local government website (ordinances webpage) in the state of Wisconsin.
- Findings revealed that a lot of local government ordinances webpages are not well organized or comprehensive.
- For each of Wisconsin's 1,922 counties, cities, villages, and towns, the [Comp Plan and Land Regs Inventory](#) lists last known date of comprehensive plan adoption, whether a general zoning ordinance

has been adopted, whether a subdivision ordinance has been adopted, and link to the local government's ordinances webpage, if available.

- The report also found that over half of local government comp plans are out-of-date.
- Comprehensive plan currency matters because changes to subdivision ordinances or zoning ordinances must be made consistent with a current comprehensive plan, according to the comprehensive planning law's consistency requirement.
- New legislation for housing loans to be administered by the Wisconsin Housing and Economic Development Authority (WHEDA) requires a local government's comprehensive plan to have been updated within the last five years.
- About 25% of local governments exercise general zoning or subdivision regulations *and* do not have a current comprehensive plan.
- 39% of local governments have no ordinances posted online or are lacking a significant portion of ordinances posted online.
- Regarding Land Information office roles, there is potential for contributions to the mapping part of plans. County LIOs can contract for and assist with this sort of mapping. For example, current and future land use maps could go in the plan or help with the planning process. There is an advantage in the county doing it because then the county retains the GIS data for future amendments and updates.
- Local governments are encouraged to work with counties and vice versa.
- Maps, such as those on [page 10-11](#) of the report show which county and municipal plans are out-of-date, while others show which are missing ordinances online.
- Some plans are created by regional planning commissions, but it is not always clear who does the mapping component of a comprehensive plan.
- Contact [Peter Herreid](#) with questions on the report.

6. Project Updates

a. NG911 update from Zachary Hassler (Jim Giglierano)

- Zachary Hassler from the Department of Military Affairs (DMA) did not attend and was not able to provide a written update in advance of the meeting.
- There was discussion that it is expected that the DMA grant application process for Next Generation 9-1-1 grants to local governments—a program managed by DMA—will continue to evolve.

b. Broadband update (Colter Sikora)

- Sikora provided updates from the Public Service Commission of Wisconsin.
- In the past year or so, PSC completed a broadband fabric challenge to communicate to the federal government locations that are underserved.
- Broadband mapping projects point to a need for a GIS layers of improved statewide building footprints, and with points on primary structures, may be an opportunity to coordinate with Next Generation 9-1-1.
- PSCW has rolled out the *Wisconsin Broadband Planning Map* (<https://maps.psc.wi.gov/apps/WisconsinBroadbandPlanningMap>).
- Users can view locations in the state, broadband serviceable locations, and identify unserved locations.
- PSCW is looking to roll in additional data sources, with planning in the works to come up with identification of serviceable pockets.

c. Personal property tax exemption (Nick Gamroth)

- Gamroth presented on [2023 Wisconsin Act 12](#), which eliminated the personal property tax.
- It goes into effect on January 1, 2024 and will have wide ranging effects on assessment, taxation, local government land records software, and other real property-related practices at the local level.
- Assessors are getting guidance from the Wisconsin Property Assessment Manual (WPAM), but the guidance post-Act 12 from DOR has been limited.
- Gamroth shared a draft document titled, "*BUILDING(S), FIXTURE(S), AND/OR IMPROVEMENT(S) DOCUMENT (Wis. Stat. § 70.17 (3))*"
- The intention is to create a uniform document for use across the state, so that there is something recorded in the Register of Deeds office to create a parcel where that is necessary.
- Some aspects of the form are yet to be confirmed, such as the specification that if a GIS coordinate is used in the document, it must be done in the county coordinate system.
- There was discussion of some of the implications and intricacies of the law.
- The timeline before implementation of the law begins is tight, so work to complete the document and any supplemental instructional materials is crucial.

- The document will be out on [WROD website](#).
- Some affected records will be part of statewide parcel map.

d. WLIA updates (Adam Derringer)

- Derringer provided Wisconsin Land Information Association updates.
- One WLIA committee, the [Tech Committee](#), annually looks at the layers from which other datasets are created from, called [Foundational Layers](#). Score cards list data availability, standards where applicable, who maintains the data, and contact information. They are available on the WLIA webpage.
- WLIA is in the planning process for the next WLIA annual conference, which is to take place from February 28th-March 1st.

e. Register of Deeds Recording Fee (Adam Derringer)

- Derringer gave a brief history of the Register of Deeds recording fee and overview of a WLIA recording document fee proposal authored by the Legislative Committee.
- The proposal was arrived at after over a year of research, including the review of local land information office expenses over the last 10 years or so and review of county land information plans.
- Requirements, demands, and costs for land information projects has grown over the years. Many stakeholders in the land information community hold that there is not enough money to take on the projects that counties are being asked to do.
- As drafted, the proposal would raise the \$30 document recording fee to \$45 per document.
- Training and Education grant funding eligibility would increase from \$1,000 to \$5,000. Base Budget grants would go from \$100,00 to \$175,000.
- The WLIA Board is moving the idea forward, working with their lobbyist, and starting conversations with stakeholder groups.
- There was discussion about the fee amount in the proposal, with some expressing concern with the \$45 figure. Considerations include keeping up with costs, inflation, Wisconsin's fee amount relative to other states, and the likelihood of getting any proposed legislation passed.
- Wisinski asked that RODs be included in discussions. Derringer commented that there are RODs on the legislative committee. WLIA is starting to talk to more groups.
- Derringer requested that Council members take the idea back to their organizations. If there are comments, reach back to WLIA legislative team. Friis also stated that DOA relies on council members to reach out to their constituency.

7. Discussion (Jim Giglierano)

a. Access to assessor data / b. Building inventory

- Discussion postponed until next WLIC meeting.

8. Next Steps/Action Items

- Next WLIA meeting – [WLIA 2024 Annual Conference](#): February 28–March 1, Green Bay

9. Adjourn

- Meeting adjourned at 3:19 pm



**Wisconsin Land Information Council
Minutes 2023-02-22**

Meeting Date: Wednesday, February 22, 2023
Time: 2:00–4:00 p.m.
Location: [WLIA 2023 Annual Conference](#) | Wisconsin Dells, Kalahari Resort, Tamarind Room
Remote ID: [Click here to join the meeting](#) | Meeting ID: 274 125 088 044 | Passcode: sEa4NA
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 174 791 186#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Kim Christman	Y	Cori Lamont	N	Colter Sikora	Y
Adam Derringer	Y	September Murphy	N	James Osborne	Y
Kelly Felton	Y	Cody Brommerich	N	Howard Veregin	Y
Sarah Hedtke	N	Scott Hand	Y	Cindy Wisinski	N
Jim Giglierano	Y				

Other Attendees
Peter Herreid, Ann Buschhaus

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2022-10-26](#)
 - Motion to approve by Felton, seconded by Sikora.
 - Minutes approved.
3. **WLIC Business** (Jim Giglierano)
 - a. **Council member appointments**
 - Applications were submitted but still waiting on the Governor’s Office. Those seated remain serving in their capacity until appointments are made.
4. **WLIP Program Update** (Peter Herreid/Jim Giglierano)
 - a. **WLIP grants and program status**
 - Herreid reported the [2023 WLIP grant application](#) went out. DOA has been executing agreements and making payments. This year Strategic Initiative grants are at the \$70,000 level for every county, due to the increase in revenue in the Land Information Fund the last couple of years.
 - The V9 Parcel Project is underway. The call for data was made earlier this year, on December 1st, in response to the request from the Land Information Officers Network (LION).
 - The Governor’s budget has been released. It proposes to continue to fund WLIP grants at the same level, as well as program staff/administration costs.
 - Revenue from Register of Deed recording fees will likely be the limiting factor in the amount of funds DOA can award in 2024. There has been a slow down in recordings, down 50% from where they were two years ago.
 - A smaller amount of recording fee revenue would increase Base Budget grant eligibility for 2024, with more counties eligible for Base Budget grants. This would, in turn, decrease Strategic Initiative grant eligibility. It may drop to the \$10-20,000 level for 2024, if recordings do not pick up.
 - The revenue is not kept by DOA at the state level from year-to-year to even out the amounts awarded from year to year, because the available money can be applied to projects identified in the county land information plans now. The money awarded can be expended over the course of a couple of years, or longer if an extension is requested. It is not a given that the appropriation and appropriation balance will carry forward from biennial budget to biennial budget.

- The [Wisconsin Register of Deeds Association](#) does not have summary level data showing purchasing versus refinancing or other types of documents recorded that fall under the recording fee. Only the total number of documents recorded is tracked. The WLIP receives Register of Deeds Recording Fee Submission forms, a monthly report from each county with the total number of documents recorded. While the volatility in recording numbers has likely varied from county to county, recording data has not been analyzed at the county by county level.

b. Lidar status and hydrography updates

Lidar Updates:

- County GIS programs were the biggest local partner in Wisconsin for lidar; NRCS largest federal contributor
 - Since 2015, estimated total cost of lidar for state >\$15 million
 - Local contribution between \$4-5 million (does not include buy-ups)
- Future lidar funding uncertain, but improvements in technology are driving interest in reflights
 - QL1 projects becoming more routine (8 points per meter versus 2 ppm) - more above ground uses: buildings, trees, powerlines.
 - High priority areas likely to continue to be collected by 3DEP - areas with big changes in land surface; urban areas; flooded areas
 - Links to Federal agency priorities very important (NRCS, FEMA, USFS, etc.)
 - Increasing interest in super high-resolution projects - 30 points per meter
 - Topobathy and bathymetric acquisitions are becoming more common, especially in coastal areas and ports

Statewide Lidar Status in Wisconsin.

- First time coverage of state achieved in 2018
 - Not 100% publicly available
 - No minimum standards
- With FY 22 3DEP project, standardized, publicly available coverage by the fall of 2023
- Total estimated cost ~\$15 million for QL2/QL1 statewide
 - Local contributions between \$4-5 million
- QL1 (8 points per meter) 16 counties
- Data available from UW WisconsinView and USGS <https://www.sco.wisc.edu/data/elevationlidar>
<https://apps.nationalmap.gov/downloader>
- Data can be streamed from WDNR
https://dnrmaps.wi.gov/arcgis_image/rest/services/DW_Elevation

2023 3DEP Lidar Project Status

- USGS 3DEP Goal - complete US CONUS QL2 coverage by 2024 (currently 85% done)
- WLIP helps coordinate yearly proposal to 3DEP with local WI partners, contracting with USGS
- County GIS programs are the biggest local partner in Wisconsin (~\$5M of \$15M total)
- NRCS HQ biggest partner overall
- FY 22 project to be delivered Fall 2023 (yellow)
- FY 23 QL1 proposal awarded (red dots)
- FY 24-25 SEWRPC 30 ppm potential project
- Reflight trend is toward higher resolution of older areas 2015-2017
- QL1 = Infrastructure and Forestry (biomass/CO2)

Comparison of standard lidar w/ higher resolution

- Standard resolution 2-3 points per square meter - QL2
- High resolution QL1 - 8 pts per meter
- Some partners requesting 30 pts per meter (SEWRPC)
- Vertical accuracy 10 cm on flat surfaces normally
- Some partners requesting 5 cm NVA (SEWRPC and WisDOT)

Hydrography

- New USGS program called 3D Hydrography program (3DHP) starting next year in 2023 or 2024
 - Higher resolution, 3D update to the 24k National Hydrography Program using lidar DEMs as base
 - Will be looking for state and local partners, like 3DEP
 - DNR is also working on updates to their 5k hydrography program – may be able to leverage funding with them

Wetlands

- USFWS also looking at infrastructure funding to update National Wetland Inventory (NWI) in coastal areas
- WDNR is working through process to integrate WWI with NWI

Hi-resolution Land Cover

- NOAA CCAP land cover program has funding for *new 1 meter land cover* in coastal counties
 - Impervious, canopy and water layers will be available April 2023 – for free for 41 “coastal” counties only
 - May be able to purchase remainder of state
 - Additional Wetlands, forest and other CCAP cover classes available next *two years*

“Analysis Ready” Data

- Using NOAA IJA/BIL funding, WCMP is developing an integrated hydro/wetland/land cover pilot project in Brown County.
 - Will use new lidar, county spring orthos and NAIP leaf-on imagery and map hydro/wetlands/land cover at same time.
 - Project runs 2023-2025.
 - Intent of NOAA funding is to develop process for identifying areas in need of habitat conservation and/or acquisition
 - Work with Brown Co Planning and Land Services and WDNR to address local and state data needs
 - Investigate how to leverage federal funding initiatives with state and local resources

USGS 3D Hydrography Program

- 3D Hydrography Data - replaces/builds on National Hydrography Dataset (NHD) and NHD+
- Starts with elevation derived hydro (EDH) process using lidar DEMs from 3DEP program
- New USGS program will be a cost sharing partnership like 3DEP
- Coming soon, may start next year
- Time for us to prepare, develop a funding model
- Possible integration with wetlands and land cover mapping

Updating Wisconsin DNR’s 24K Hydro to 5K

Methods:

- Derive stream networks from LIDAR-derived DEM using ACPF (Agricultural Conservation Planning Framework)
- Hydrologic Position Index (HPI) – visual check
- Surface water – starting with breaklines. Image analysis for smaller water features.

High-level Requirements

- Attributes – maintain 24K hydro HYDROID and Waterbody Indicator Code (WBIC)
 - Maintain stream network connectivity (topology)
- Pilot Projects in Manitowoc, Kewaunee and Brown Counties

NOAA C-CAP Land Cover

- NOAA Coastal Change Analysis Program (CCAP) land cover product
 - Office of Coastal Management
- In the past a 30 m satellite based raster product with 5 year updates similar to WISCLAND
- NOAA moving to 1 m land cover
- New 2 yr GLRI funding coastal areas only
- Emphasis on coastal wetlands classes
- Looking for local partners to complete whole state
- About \$800k to complete Wisconsin
- Better characterization of watershed features – runoff, storm sewers, flooding, soil erosion, etc.

5. Senate Bill 2 (Kim Christman)

- Christman provided updates on [Senate Bill 2](#), personal property tax repeal, from the Wisconsin Real Property Listers Association ([WRPLA](#)) President Nick Gamroth.
- Gamroth is working with the Wisconsin Counties Association and trying to communicate with the State Legislature on this issue. Christman read a message by Gamroth with some of the WRPLA concerns. There are some concerns that relate to land information, record keeping at the county level, and potentially revenue loss for municipalities.
- This is an item of interest for the Council and the Wisconsin Land Information Association to continue to follow.

6. Project Updates

a. NG911 update (Zach Hassler)

- Zach Hassler, GIS Specialist from the Office of Emergency Communications at the Department of Military Affairs was not in attendance and unable to provide updates in advance of the meeting.
- On the issue of the competitive NextGen9-1-1 GIS grant program from the Office of Emergency Communications, counties heard back on the grant award decisions in December.

b. Building inventory work group status (Jim Giglierano)

- Discussions with DOR
 - Scott Shields and Keith Gross - questions about address layers that can be linked to their municipal tax roll database
 - New [OTAS Director](#) in March
- Goal is to outline a plan by Summer 2023
- Need use case input from WLIC members
 - Utility, land title, realtors, public safety, broadband
- Need use case input from outside WLIC: SAGIC, DOA DECHR/Clean Energy, WEM, insurance
 - Big need for hazard risk assessment - flooding, coastal erosion, storm damage, etc.
 - Meet with DOR
- Discuss GIS options and mapping standards by May WLIC meeting
 - Inventory existing building footprint data sets (Microsoft, FEMA, OSM, county data in Geodata)
 - Assessor attributes - meet with DOR, municipalities, software vendors
- Develop funding options

c. National Spatial Reference Framework update (Howard Veregin)

- Veregin provided an update on the effort headed by the National Geodetic Survey (NGS) to upgrade the nation's National Spatial Reference System (NSRS). There is a lot that will change as a result.
- A new horizontal reference frame and vertical datum will replace NAD 83 and NAVD 88. They will be replaced with NATRF2022 (the North American Terrestrial Reference Frame of 2022) and other reference frames designed for a maximum level of precision.
- The implications will vary based on industry or application. Everyone will have to deal with new datums, latitude and longitude will shift, and there will be differences in measurements that occur at a different time, or "epoch."
- Another implication would be that every PLSS corner in the state might have to be resurveyed, rather than just a transformation applied.
- Roll-out is set for around mid-2025.
- As of January 1, 2023 the US survey foot is now officially obsolete, according to a rule passed by the National Institute of Standards and Technology. Using survey foot versus the international foot can have implications when dealing with really large coordinates, but for most uses, the two feet are the same. The international foot is now the official foot of the United States, but NGS has laid out caveats for its use, and there are complications in the use of language for the "foot" as well.

d. WLIA and SAGIC update (Colter Sikora)

- Sikora provided general [WLIA](#) updates, where board elections recently occurred, and the Wisconsin State Agency Geospatial Information Committee (SAGIC), a cross-state agency GIS user group. Jim Lacy from the State Cartographer's Office, current SAGIC Chair, is a contact for more information on SAGIC priorities.

e. Broadband update (Colter Sikora)

- Sikora, who works for the Broadband Office at the Wisconsin Public Service Commission, where they are trying to help shepherd in broadband infrastructure across the state.
- In November, the FCC rolled out its new broadband map. States, counties, and providers will have an opportunity to challenge the data that the federal government puts out.
- The Broadband Equity, Access, and Deployment (BEAD) program will bring the state additional funding for broadband improvement. There was hope it would help a project like a building footprint mapping project, but the potential for mapping data to come out of it is uncertain.
- PSCW will be processing and awarding another round for the [State Broadband Expansion Grant](#) program in the next few months.
- A future BEAD-funded grant program may be something to keep an eye on.
- PSCW will be conducting a survey for counties and tribal nations for access, affordability, and adoption scenarios, which will include a mapping component and feedback from stakeholders will be sought.

f. WEET update (Jim Giglierano)

Giglierano provided an update on Wisconsin's Environmental Equity Tool (WEET), which has not yet been released. The federal government has released two new equity tools, one tied to the Justice40 Initiative, so there is a lot of effort behind these models.

- On other matters, Derringer reported that WLIA and a few other organizations, including the Wisconsin Counties Association and Register of Deeds Association, are looking at the issue of revenues, but in a way that is not fully baked.
- It is not WLIA-led, but they are looking at expenditures, how much it takes to retain LIOs in counties, how funding from WLIP is going to that to achieve goals, and what is required statutorily to serve the public.
- There may also be a potential bill coming out looking at wetlands and hydro, out of the Wisconsin Wetlands Association, Wisconsin Towns Association, and maybe one other organization, which may include funding for data creation. The WLIA Legislative Committee has just learned of this in the past few days. There may be other topics coming down the pike that will potentially impact the Council to continue to follow.

7. Next Steps/Action Items

- Next WLIA meeting – WLIA [Spring Regional Meeting](#): May 17-May 19, 2023, EauClaire

8. Adjourn

- Meeting adjourned at 3:43 pm



**Wisconsin Land Information Council
Minutes 2022-10-26**

Meeting Date: Wednesday, October 26, 2022 | [Agenda 2022-10-26](#)
Time: 2:00–4:00 p.m.
Location: [WLIA Fall Regional Meeting](#)
Remote ID: [Click here to join the meeting](#) | Meeting ID: 240 288 326 961 | Passcode: 6t6t73
 Or call in (audio only) +1 608-571-2209 | Phone Conference ID: 589 118 557#

WLIC Appointees (Y = present; N = not present; some participated via teleconference)					
Kim Christman	Y	Cori Lamont	Y	Colter Sikora	Y
Adam Derringer	Y	September Murphy	Y	James Osborne	N
Kelly Felton	Y	Cody Brommerich	Y	Howard Veregin	Y
Sarah Hedtke	Y	Scott Hand	Y	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees
 Mike Friis, Peter Herreid, Staci Hoffman

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of previous meeting’s minutes** from [2021-12-14](#)
 - Motion to approve by Wisinski, seconded by Felton.
 - Minutes approved.
3. **WLIC Business** (Mike Friis)
 - a. **Applications for new council members**
 - Several terms up on December 31, 2022 (Geospatial professional, Land title or financial lending industry representative, Representative of realtor industry, Public safety or emergency communications representative, Representative of state or federal government, Register of deeds).
 - Applications due November 1, 2022.
 - The application to serve on the Council on the [WLIC webpage](#).
4. **WLIP Program Update** (Mike Friis/Peter Herreid/Jim Giglierano)
 - a. **WLIP grants and program status**
 - **2023 WLIP Grants**
 - The [2023 WLIP grant application](#) was released on September 13, 2022.
 - 46 counties are eligible for Base Budget grants.
 - Counties are eligible for \$70,000 Strategic Initiative Grants on account of the high level of revenue in the last couple of years. With rising interest rates, this is unlikely to continue. Recordings are down about 25% from one year ago. We speculate that DOA may only be able to award about \$40k for 2024 Strategic Initiative grants.
 - DOA plans to payout the entire 2023 Strategic Initiative Grant up front in one payment, like with the 2022 Strategic Initiative Grants.
 - Reporting on expenditures for the previous year’s grants and general information on other WLIP program activities is available in the [2022_WLIP_Report](#).
 - **2023 Strategic Initiative Grant Application & Definition of PLSS "Integration"**
 - After coordinating with LION, a new definition of [PLSS integration](#) was included in 2023 grant application.
 - With the revised definition, we tried to leave the counties some flexibility to make "common-sense edits" and not impose a rigid approach, while retaining a guiding idea that the large WLIP investment in PLSS be capitalized in the county GIS and digital parcel map.

- **Encouragement to link to statewide parcel map webpage on the county website**
 - Thanks to all of the counties that added links to the statewide parcel map webpage (www.sco.wisc.edu/parcels/data) upon our request.
 - Now, all counties have a link to the statewide parcel map from their county websites.
- **V8 Parcel Project**
 - Successfully completed and posted the V8 statewide parcel database online, as well Edition 4 of statewide PLSS layer, and 486 other GIS layers feature classes which were added to [GeoData@Wisconsin](mailto:GeoData@Wisconsin.gov).
 - The [V8 Final Report](#) is available online, with recommendations for the future beginning on [page 24](#).
 - As more user feedback is submitted, the report will be amended to include an appendix with feedback from a wide variety of users (as with the [V7 feedback](#) and prior years).
 - Statewide parcel map users include federal and state agencies like DNR, university researchers, engineers, online hunting apps like *onX*, foresters, real estate property listers, and of course individual deer hunters and property owners.
- **V9 Parcel Project Call for Data**
 - The county parcel data request for V9—on the 2022 tax year—is to come on December 1st.
 - DOA/SCO does not expect any disruptive changes to the call for data. Counties can expect to keep the same export routines and workflows, as there are no schema changes.

b. Lidar status and hydrography updates

Lidar Status:

- National USGS 3DEP Goal - complete US QL2 lidar coverage of nation by 2024 (currently 86% coverage nationwide)
- FY20 3DEP project for eight counties (Chippewa, Eau Claire, Columbia, Grant, Menominee, Rock, Sauk, Vernon) completed and delivered by USGS. Uploaded to WisconsinView
 - <https://bin.ssec.wisc.edu/pub/wisconsinview/lidar>
- FY21 3DEP project in-progress (Crawford, Juneau, Kewaunee, Marathon, Marinette, Pierce, St Croix, Richland). Delivery first quarter 2023
- FY22 3DEP project in Wisconsin completes state coverage of publicly available, standardized lidar
 - 8 QL1 Counties (8 points per meter) and 4 QL2 Counties (2 ppm) (see map)
 - Reference – [Lidar2022-2030_Planning.pdf](#)
 - final deliveries in mid 2023
- County GIS programs were the biggest local partner in Wisconsin for lidar; NRCS largest federal contributor
- Since 2015, estimated total cost of lidar for state >\$13 million
 - Local contribution between \$4-5 million (does not include buy-ups)
- Future lidar funding uncertain, but improvements in technology are driving interest in reflights
 - QL1 projects becoming more routine (8 points per meter versus 2 ppm) - more above ground uses: buildings, trees, powerlines.
 - High priority areas likely to continue to be collected by 3DEP - areas with big changes in land surface; urban areas; flooded areas
 - Increasing interest in super high-resolution projects - 30 points per meter
 - Topobathy and bathymetric acquisitions are becoming more common, especially in coastal areas and ports

Hydrography/wetlands/hi-res land cover status:

- New USGS program called 3D Hydrography program (3DHP) starting next year in 2023
 - higher resolution, 3D update to the 24k National Hydrography Program using lidar DEMs as base
 - will be looking for state and local partners, like 3DEP
 - DNR is also working on updates to their 5k hydrography and wetlands program – may be able to leverage funding with them
- USFWS also looking at infrastructure funding to update National Wetland Inventory in coastal areas
- NOAA CCAP land cover program has funding for new 1 meter land cover in coastal counties
 - Impervious, canopy and water layers will be available February 2023 – for free (41 “coastal” counties only – may be able to purchase remainder of state)
 - Wetlands, forest and other CCAP cover classes available next two years
- Using NOAA IJIA/BIL funding, WCMP is developing an integrated hydro/wetland/land cover pilot project in Brown County.
 - Will use new lidar, county spring orthos and NAIP leaf on imagery and map 3 layers to federal standards at same time.

- Project starts in 2023.
- Intent of NOAA funding is to develop process for identifying areas in need of habitat conservation and/or acquisition
- Work with Brown Co Planning and Land Services and WDNR to address local and state data needs
- Investigate how to leverage federal funding initiatives with state and local resources

5. Confidential Records Identity Shielding, the "Wisconsin Shield Act" and Potential Impacts (Cindy Wisinski)

- [Staci Hoffmann](#), Jefferson County Register of Deeds Officer, presented on the proposed federal Confidential Records Identity Shielding (CRIS) legislation and possible legislation at the state level.
- Shielding versus redacting: *Shielding* is like the records don't exist and *redacting* is blacking out personally identifiable information from the records.
- Twenty states have passed similar legislation and six states have legislation pending, but no legislation introduced in Wisconsin yet.
- Legislation shields, at a minimum, personal information of judges and police officers, and in some cases other vulnerable people serving the public.
- For states with this legislation, each state has a different variation.
- The Council discussed possible ramifications of this sort of federal or state legislation, such as how to shield information that is already public, whether it would be possible to maintain county GIS online, whether archived versions of data would need to be taken down, and the possibility of downstream negative impacts.
- The Wisconsin Register of Deeds Association is concerned with preventing "unworkable" versions of this legislation from passing.
- If federal legislation passes, government agencies would have 120 days to comply.

6. Wisconsin's Environmental Equity Tool (Jim Giglierano)

- Giglierano presented on and demonstrated Wisconsin's Environmental Equity Tool (WEET).
- The tool is being developed by Wisconsin Economic Development Corporation, which hired a contractor, Tetra Tech.
- It is a comprehensive web-based environmental and public health equity mapping tool, very similar to the Environmental Protection Agency's [EJScreen](#) environmental justice screening tool.
- The data is grouped into standardized Census tract-level units in four broad categories: environmental and climate change exposure indicators, environmental and climate change effects indicators, health outcomes indicators, and vulnerable populations indicators. One overall score is computed.
- One strength is that the tool explicitly shows where data is missing.
- There are many possible uses for the data, such as home weatherization, internet access, grant allocation, development, redevelopment of brownfields, resiliency, and more. It is hard to project all of ways it might be used.
- The Wisconsin tool should be released later this year.

7. Ashland County Building Inventory and Assessment Data Access Challenges (Howard Veregin)

- Veregin presented on the barriers to acquiring digital assessment data in Wisconsin and challenges to creating a building inventory, based on a building inventory project in Ashland County.
- This project was funded the Wisconsin Coastal Management Program and completed by the State Cartographer's Office.
- Tax assessment data is the biggest challenge. The assessment data provided by the municipalities through their contractors is often not in a conveniently useable format.
- In some cases, PDFs are delivered, but it takes a lot of effort to extract a large volume of data from PDFs. There is also missing attribute data, which does not have information for tax exempt structures.
- Municipalities comply with the Public Records Law by making the data available as it provided by assessors, but this is often in a way that does not have much utility for data users.
 - Market Drive is the main computer-aided mass appraisal (CAMA) software in Wisconsin used by approximately 80% of municipalities.
 - Getting the assessment data in an XML format is a considered a "product" can cost extra for the municipalities to fulfill a records request in a way that is usable.
- There are also challenges relating to building footprint layers available from counties, which can also have a lack of attribution, accuracy, and precision problems.
- It is difficult and time-consuming to improve building footprint layers or derive them from the lidar layer.
- Parcel data helps to improve building footprint layer, by defining ownership, valuation, and use class.

- A cost model was developed as part of the project. Building footprint and parcel data integration was the highest cost. The project did not integrate assessment data because of difficulty to obtain it. It was an expensive process.
- One suggestion to the obstacle of accessing assessment data was to look to the example of Kenosha County, whose contract with the assessment data software vendor might have been set up in a way that allows the data to be provided in a usable manner.

8. Public Service Commission of Wisconsin Broadband Mapping (Colter Sikora)

- Sikora presented on efforts to expand broadband access statewide.
- The 2020 federal Broadband Data Act called for the update and refinement of the national broadband map that has been administered by the Federal Communications Commission for the last several years.
- Wisconsin is projected receive about one billion dollars to expand broadband and plan broadband expansion across the state.
- PSCW's [Wisconsin Broadband Office](#) has engaged in efforts to map the state's broadband fabric.
- The statewide parcel map has been useful for broadband mapping. An up-to-date statewide building footprint layer would also be helpful.
- Mapping broadband fabric is important to demonstrate underserved need and qualify for federal funding. Dates for the various rounds of funding are to be determined.

9. Concept For a Statewide Building Footprint Layer (Jim Giglierano)

- Giglierano stated the desire to see a business plan developed for a statewide building footprint layer over the next several months.
- Participants could include WLIC members and others from various agencies, such as DOA's Division of Energy, Housing and Community Resources, the Wisconsin Economic Development Corporation, and possibly the State and Local Finance (SLF) Division at the Department of Revenue, amongst others.
- Such a project would likely include three prongs—a GIS part, addressing the assessor data question, and building a community of users.
- Giglierano stated an intention to facilitate meetings, starting in November 2022, with a wide variety of stakeholders and encouragement for volunteers to join the effort.

10. Next Steps/Action Items

- Next WLIA meetings – WLIA [annual conference](#): February 22-24, 2023

11. Adjourn

- Meeting adjourned at 4:06 p.m.



**Wisconsin Land Information Council
Minutes 2021-12-14**

Meeting Date: Tuesday, December 14, 2021 | [Agenda 2021-12-14](#)
Time: 10:00–12:00 p.m.
Location: Microsoft Teams Meeting
Remote ID: [Click here to join the meeting](#)
 Or call in (audio only): +1 608-571-2209 | Meeting ID: 937 654 04 #

WLIC Appointees (Y = present; N = not present; all participated via teleconference)					
Kim Christman	Y	Cori Lamont	N	Colter Sikora	Y
Adam Derringer	Y	September Murphy	N	Nathan Vaughn	N
Kelly Felton	Y	Cody Brommerich	Y	Howard Veregin	Y
Sarah Hedtke	N	Scott Hand	Y	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees
Mike Friis, Peter Herreid, Bryan Meyer, Mitchell Bergeson

- 1. Welcome and Introduction** (Adam Derringer)
- 2. Approval of previous meeting’s minutes** from [2021-02-26](#)
 - Motion to approve by Veregin, seconded by Sikora.
 - Minutes approved.
- 3. WLIC Business (Mike Friis)**
 - a. WLIC Appointments**
 - Looking to fill position of licensed professional land surveyor position on WLIC.
 - b. 2021 Public Records Training** ([2021_Wisconsin_Public_Records_Law.pdf](#))
 - Anything shared with DOA staff is subject to open records requests.
 - Because WLIC is not a council formed by statute or executive order, formal records training presumed to not be needed.
 - Link with info on Public Records Law included in meeting agenda.
 - c. Remembrance of Al Miller**
 - Pioneer in land information.
 - Moment of reflection.
- 4. WLIP Program Update** (Mike Friis/Peter Herreid/Jim Giglierano)
 - a. Enacted 2021-23 Budget update**
 - About same amount of funding as in previous years for both grants and state operations.
 - b. Senate Bill 673**
 - The Department of Military Affairs has been the main point of state government contact for NG9-1-1 developments.
 - General Paul Knapp is head of DMA and his letter to the Senate Committee on Transportation and Local Government is available at https://docs.legis.wisconsin.gov/misc/lc/hearing_testimony_and_materials/2021/sb673/sb0673_2021_12_01.pdf.
 - Additional legislation beyond biennial budget to specify how \$1.5 million in funding would be utilized for GIS issues related to NG9-1-1.

- Section 7 of SB 673 directs funding to county GIS.

c. WLIP grants and program status

- Greatest number of document recordings since FY2007.
- Increased grant funding for Strategic Initiative grants to \$60k per county.
- Same parcel benchmarks for Strategic Initiative grants.
- Base Budget funding down to \$1.9 million for 42 counties, because more counties are retaining more document recording fees.
- Cannot predict future recording fee levels.
- Giglierano wondered about benefit of plotting correlation history of plat reviews and recording fees.
- Counties finalizing their land information plans and getting land information council approval.
- [WLIP Annual Program Report](#) available on WLIP program webpage.

d. Lidar status and hydrography updates

- Lidar – Latest proposal will complete QL2/QL1 coverage of the state in 2 years.
- Overall, Wisconsin lidar partners have spent about \$13 million to collect baseline lidar for the state, with counties contributing about \$4-5 million, mostly with their WLIP funding.
- Next 3DEP cycle will begin soon. Time to state planning.
- USGS 3D Hydrography Program – New program to replace and update National Hydrography Program (NHD), similar in scale to 3DEP, local/state partners will be needed. Time to start planning. Objective is to have water features that match lidar derived elevation data sets.
- NOAA Coastal Change Analysis Program (CCAP) has funding from GLRI to create 1 meter land cover for Great Lakes watersheds in Wisconsin. Interest in finding resources to complete statewide coverage. Needed for hydrography and wetland updates.

5. New USGS Mapping Liaison (Jim Giglierano / Mitch Bergeson)

a. Introduction of USGS mapping liaison Mitch Bergeson

- Bergeson gave biography, currently lives in Pierce County.
- Working on agreements for lidar collection with Giglierano.
- Discussion about NOAA C-CAP Regional Land Cover and Change's resolution and categorization of land cover classes.

6. Updates from Land Information Council Members

- Giglierano discussed WEET (Wisconsin Environmental Equity Tool) mapping.
- Giglierano discussed Wisconsin Initiative on Climate Change Impacts.
- Sikora stated that State Agency Geographic Information Council (SAGIC) has a open data page, ArcGIS online, and other offerings.
- Sikora gave some updates from SAGIC members: Department of Transportation has a webpage with overview of mapping services, open data page, and WisDOT maps ArcGIS online site; Department of Revenue has problems with crop reporting; Public Service Commission (PSC) promotes access, affordability, and adoption of broadband. PSC working with internet service providers to map where internet and is not available.
- Meyer stated that lack of accurate western state line is still an issue.
- Felton stated that county land information offices have been finishing up redistricting.

7. Next Steps/Action Items

- Next WLIA meetings – WLIA [annual conference](#): February 23-25, 2022.
 - Room reserved for WLIC meeting on February 23, 2:00-4:00 p.m. The time may be changed.
- Derringer: Forward resignation from Nathan Vaughn.

8. Adjourn

- Meeting adjourned at 11:30 a.m.



**Wisconsin Land Information Council
Minutes 2021-02-26**

Meeting Date: Friday, February 26, 2021
Time: 10:00–12:00 p.m.
Location: Zoom Meeting
Remote ID: <https://zoom.us/j/94804962775?pwd=bEdPeFEva3prbVJaaFV1eExmWnlUUT09>
 Meeting ID: 948 0496 2775 | Passcode: 538058 | +1 929 205-6099

WLIC Appointees (Y = present; N = not present; all participated via teleconference)					
Kim Christman	Y	Cori Lamont	N	Colter Sikora	Y
Adam Derringer	Y	September Murphy	Y	Nathan Vaughn	N
Kelly Felton	Y	Mark Netterlund	Y	Howard Veregin	Y
Sarah Hedtke	Y	Dawn Neuy	N	Cindy Wisinski	N
Jim Giglierano	Y				

Other Attendees
 Ann Buschhaus, Cody Kamrowski, Davita Veselenak, Jeff DuMez, Larry Cutforth, Mike Friis, Peter Herreid.

1. Welcome and Introduction (Adam Derringer)

2. Approval of previous meeting’s minutes from 2020-10-14 and 2020-11-18

- [2020-10-14 minutes](#)
 - Motion to approve by Felton, seconded by Sikora. Abstaining – Veregin.
 - Minutes approved.
- [2020-11-18 minutes](#)
 - Motion to approve by Murphy, seconded by Felton.
 - Minutes approved.

3. WLIC Business (Mike Friis)

WLIC Appointments

- Mike Friis reported that applications for three Council positions, including one for a new utility industry representative, have been forwarded.
- Mark Netterlund shared the news that he is retiring on June 11th. Friis will later discuss the transition with him and the Wisconsin County Surveyors Association will recommend a replacement.

4. WLIP Program Update (Mike Friis/Peter Herreid/Jim Giglierano)

2021-23 Executive Budget update

- Friis stated that the 2021-23 Executive Budget proposes to continue to fully fund the Wisconsin Land Information Program (WLIP).
- It also includes an item for the Department of Military Affairs (DMA) relating to Next Generation 9-1-1, in which there is a line of connection between the WLIP and proposed DMA GIS grants to counties. The language indicates there will be coordination between DMA and Land Information Program on the grants.
- Another of the Governor’s recommended items that has been of interest in the GIS community relates to snowmobile trail mapping.

WLIP grants and program status

- Herreid reported on WLIP grant and program status, where there have not been any significant changes to the program.
- In January, the annual parcel data request was made to counties, who are asked to submit parcel data in a standardized format called the Searchable Format.

- The final product for the statewide parcel map database will be made available on June 30th. In November of 2021, an updated statewide PLSS database will also be made available.
- This year, counties are required by statute to update their county land information plans. DOA will release updated instructions for the plans by March 31st, with draft plans due September 30th, and final plans due by December 31st, 2021.
- For the 2021 grant year, all counties are eligible for WLIP Strategic Initiative grants, which were able to be funded at the \$50,000 level. Counties are also eligible for Base Budget grants.
- County-signed grant agreements are due back to DOA by February 28th.

Lidar status and hydrography updates

- Giglierano gave a report on county lidar status and 3D Elevation Program (3DEP) projects.
- A different process has been used for recent lidar projects, where, instead of collecting funds from the U.S. Geological Survey (USGS) and sending it to counties, the money is collected from counties and sent to USGS. This required new agreements and legal contracts.
- There are 10 remaining counties who do not have official USGS data that is at least Quality Level 2 (QL2) who are still eligible for 3DEP funding: Burnett, Douglas, Iowa, Green, Jackson, Oneida, Polk, Trempealeau, Vilas, and Wood.
- Projects in-progress include FY20 3DEP projects (8 counties), a two-county FY20 FEMA project, and a three-county FY19 3DEP/US Forest Service project.
- The WisconsinView archive has a backlog of data due to the pandemic but the plan is to update it.
- SCO maintains an index map for accessing WisconsinView and other lidar data sets: www.sco.wisc.edu/data/elevationlidar
- There is an index that now offers the ability to download the data through the map tiles.
- Giglierano also spoke about hydrography updates.
- The USGS National Hydrography Dataset (NHD or “24k hydro”) is out of date. Both USGS and DNR (the state data steward for NHD) realize this and are moving toward an update of the NHD.
- USGS is starting with an intermediate process called “Elevation Derived Hydrography” (EDH) to collect basic hydro features, like streams, lakes, and watershed boundaries.
- The process is dependent on availability of QL2 lidar or better, and is based on specifications released last July (www.usgs.gov/news/usgs-specifications-deriving-hydrography-elevation-data-are-now-available).
- There is no funding available yet, but there is potential for a funding process similar to 3DEP. NSGIC/USGS have started a working group for EDH.
- DNR was awarded a grant from the Wisconsin Coastal Management Program to do a hydrography pilot project in Kewaunee and Manitowoc Counties.
- DNR wetlands inventory mappers have a new process that requires a hydro layer, and DNR has a need for a Wiscland 3 land cover product to address elements of their climate change plan.
- Giglierano would like to bring together a brainstorming session to explore ideas for new hydro layers extracted from lidar, but also integrated with high resolution data sets. There will likely be a need to inventory existing lidar-derived datasets such as culverts, hydro-enforced DEMs, flow networks, catchments, et cetera, from counties, tribes, NGOs, and other groups.

5. New opportunities for collective action for state, local, and federal land information partners (Jim Giglierano)

Updating the Wisconsin Emergency Management's State Hazard Mitigation Plan (Cody Kamrowski)

- Cody Kamrowski from the Wisconsin Emergency Management Hazard Mitigation Section gave a presentation entitled, “Hazard Mitigation Planning and the Role of GIS.”
- Reference – Slides: [Kamrowski_WLICMeeting2021_WEM_2021-02-26](https://www.wisconsin.gov/pdfs/2021/02/26/WLICMeeting2021_WEM_2021-02-26)

Local Land Information Data Success Story: Brown County Lidar and Hydrology (Jeff DuMez)

- Jeff DuMez, Brown County GIS coordinator, spoke about Brown County’s land information efforts related to lidar data and hydrology.
- DuMez demonstrated a view of the county GIS mapping site: <https://browncounty.maps.arcgis.com/apps/webappviewer/index.html?id=61fba3fd419045e48aa6ba759838387c>
- In 2010, Brown County did its first USGS lidar project for a QL2 product. Upon an opportunity to partner with FEMA for a 2020 flight for a QL2 product, DuMez went to municipalities and county departments who use the product, in order to gauge interest in buying up to a QL1 product.
- The county was able to buy up to county-wide QL1 coverage, by bringing together resources from all of the county’s incorporated municipalities, a few developing towns, county departments like the Land and Water Conservation Department, and grant funding from the WLIP and USGS.

- The county and locals are eager for the data to be delivered. The county has been subject to a lot of flood events, high lake levels and coastal flooding, and issues that involve watersheds, including the problem of hypoxic blobs in the bay linked to nutrient runoff that result in fish kill.
- Lidar modeling will likely be part of some possible future solutions that utilize lidar and hydro data, such as more accurate modeling of watersheds with flat areas and improved culvert inventories.

Ashland County Building Inventory for Flood Risk Assessment and Mitigation (Howard Veregin)

- Howard Veregin and Ann Buschhaus shared a pre-recorded video presentation entitled, “Creating a Building Inventory for Northern Ashland County to Facilitate Flood Risk Assessment and Mitigation.”
- Reference – mp4 file:
[wlic-feb2021.mp4](#)

GIS needs for Wisconsin DNR's Climate Task Force and Related Initiatives (Larry Cutforth)

- Larry Cutforth, Wisconsin Department of Natural Resources GIS Section Chief, spoke on “DNR Blueprint for Climate Action.”
- Reference – Slides:
[Cutforth_WLICMeeting2021_DNR_2021-02-26](#)

Discussion of possible collaborative projects and funding sources

- Giglierano led a discussion, “Discussion of possible collaborative projects and funding sources.”
- Reference – Slides:
[Giglierano_WLICMeeting2021_Discussion_2021-02-26](#)
- Discussion focused on what roles the Council might play with regard to possible future collaborative efforts, where there could be opportunities related to the intersection of the importance of GIS data and the policy priorities of federal and state policymakers surrounding climate planning, risk assessment, and resilience activities.
- Veregin pointed to a precedent of verbal support of policymakers but a lack of funding that gets translated into initiatives for real-world activities, suggesting there is a need to follow the money. He stated that in terms of statewide initiatives, outside of the WLIP and 3DEP, and a small number of state and federal agencies, the examples of statewide initiatives are few.
- Derringer suggested one option might be for the Council members to play an educational role, perhaps educating on the importance of GIS data at conferences and engaging in advocacy. Council members could talk to different groups to start a conversation. He pointed to similar communication efforts by WLIA and the Wisconsin Spatial Reference System 2022 Task Force (WSRS), making the point that a demonstration of the need for GIS data and return on investment is how to get to funding.
- Giglierano will try to invite relevant speakers to future Council meetings and will seek to continue the conversation.

6. Next Steps/Action Items

7. Adjourn

- Meeting adjourned at 12:13 p.m.



**Wisconsin Land Information Council
Minutes 2020-11-18**

Meeting Date: Wednesday, November 18, 2020
Time: 2:00-3:00 p.m.
Location: Microsoft Teams Meeting

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)					
Kim Christman	Y	Cori Lamont	Y	Colter Sikora	Y
Adam Derringer	Y	September Murphy	Y	Nathan Vaughn	Y
Kelly Felton	Y	Mark Netterlund	Y	Howard Veregin	Y
Sarah Hedtke	N	Dawn Neuy	N	Cindy Wisinski	N
Jim Giglierano	Y				

Other Attendees
Mike Friis, Peter Herreid, Davita Veselenak

WLIC Stakeholder letter of support NG911 GIS grant program (Adam Derringer)

- Derringer distributed a draft letter for council members to review via email on November 9, 2020 with the letter subject line, “Support for the Department of Military Affairs Next Generation 911.”
- Derringer stated that the letter is about advocating for NG9-1-1 in general, the importance of geospatial data for 9-1-1, data standardization, and supporting the idea of how the data standardization work will get done. Derringer noted that the letter does mention grants but tries to avoid the [DMA budget request](#).
- Herreid noted that as part of the DMA GIS gap analysis currently underway, DMA will be releasing a standards and best practices document on the GIS standard in the next couple of months.
- There was discussion of Council members concerns regarding the letter.
- Some questioned the role of the Council which, according to the [charter](#), “serves in an advisory role to the DOA on matters relating to the Wisconsin Land Information Program” and questioned the appropriateness of the Council sending letters to the governor.
- Friis expressed a preference that if a letter were to be sent from the Council, that the Council come to a consensus. He suggested an alternative option for council members to submit their own individual letters if they wished to do so, as representatives of their various sectors.
- Another concern discussed was how the letter might affect grant funding for counties.
- Derringer stated the goal would be for DMA to secure new funding—not coming from the WLIP. Maintaining WLIP funding is important, as counties need to be able to support things like PLSS and parcel mapping.
- There was discussion on the potential use of WLIP Strategic Initiative grants for getting up to speed with NG9-1-1.
- Herreid noted that the WLIP has specific benchmarks for Strategic Initiative grant funding. Counties must meet the benchmarks for their parcel mapping and PLSS, or get a waiver on PLSS for lidar/aerial imagery, before they can apply funding to another strategic initiative of their choosing. Before there could be consideration of benchmarks or standards for 9-1-1, there would need to be a state standard, and a state 9-1-1 system that collects and aggregates data, as well as coordination efforts.
- Friis noted that the job is not done with parcels, for which the continuation of WLIP funding is important.
- Some Council members stated they would abstain from a vote on a Council letter, including Sikora and Lamont.

- Another concern discussed was the Council member’s understanding of the topic relative to their areas of experience and expertise. Derringer noted the experience and proficiency of the company hired to run the gap analysis. Netterlund expressed concerns about rubber-stamping.
- Veregin expressed a concern that if the Council were to advocate for a grant program tied to data layers, there should be a mechanism to ensure that is what happens with the money and that support should be contingent on a structure being in place to achieve the strategic objectives that were set out with.
- Veregin also voiced a concern that, because the DMA budget request specifically talks about grants to counties, this might short-change municipalities and others who create data for 9-1-1.
- There was discussion that one way to address this could be broadening the language of the letter, using the word “local governments” instead of “counties.”
- Giglierano asked about the source of the budget numbers. Derringer stated that in the past DMA conducted a lot of research on other states and his understanding is that they are using other states as a basis.
- Felton reported that LION Chair Zach Newton communicated to her LION’s support of the WLIA template letter content.
- Murphy indicated her support for the GIS grants, noting that emergency management and GIS go hand-in-hand and the potential for benefits to dispatch operations based on the use of local data.
- Some Council members noted it could be helpful to have a representative from DMA present for discussions like this.
- Derringer summarized two points from the discussion for integration into a revised version of letter:
 - 1) Make the letter point at local governments and not counties, and
 - 2) Ensure that if funding is going to be presented, it is being reviewed; that grant recipients are in good standing; so there is a connector piece between the funding and the standard.
- Christman, Felton, and Murphy indicated they would support a modified letter as proposed by Derringer.
- Vaughn was absent for this portion of the call. Wisinski was absent from the meeting but had indicated to Derringer in advance of the meeting that she would vote in favor of sending a letter of support for NG911, as the organization she represents (WRDA) had already sent a letter in support.
- Veregin indicated he would not support the letter as it currently stands.
- Netterlund indicated an intention to vote in favor of sending letters as individuals, no matter what the letter says, not because of opposition to 9-1-1 but rather in avoidance of rubber-stamping.
- Derringer stated that he would make the two changes to the letter and follow-up with email vote on a Council-submitted letter, while also noting that anyone is free to send their own letter as a representative of their agency or organization.
- Meeting adjourned at 3:07 p.m.



**Wisconsin Land Information Council
Minutes 2020-10-14**

Meeting Date: Wednesday, October 14, 2020
Time: 9:00–11:00 a.m.
Location: [WLIA Fall Virtual Meeting](#)
Remote ID: <https://zoom.us/j/5502930533?pwd=UUNUcHErUUVrZlVYN3lpeStELzg5dz09>

WLIC Appointees (Y = present; N = not present; all participation via teleconference)					
Kimberly Christman	Y	Cori Lamont	Y	Colter Sikora	Y
Adam Derringer	Y	September Murphy	Y	Nathan Vaughn	Y
Kelly Felton	Y	Mark Netterlund	Y	Howard Veregin	N
Sarah Hedtke	N	Dawn Neuy	N	Cindy Wisinski	Y
Jim Giglierano	Y				

Other Attendees
 Andy Swartz, Ann Hempel, April Schoolcraft, Brittany Goudos-Weisbecker, Carmen Novak, Cindy Fitzsimmons, Colleen Hermans, Davita Veselenak, Dean Kaderabek, Eric Damkot, Fred Iausly, G Luedeke, Gerry LWCD, Hanna Bubacz, Jeremiah Erickson, Jerry Sullivan, Jim Landwehr, JVB, Kimberly Meinert, Krista Zettle, Mark Netterlund, Mike Friis, Nils Odgren, Olivia Stroinski, Paulameikm, Peter Herreid, Ron Roth, Scott Galetka, Tanya Rasmussen Bagley, Zachery Newton.
**This list depicts Zoom meeting participants as of the time 11:00AM and thus may not constitute an exhaustive record of meeting participants/observers.*

- 1. Welcome and Introduction** (Adam Derringer)
- 2. Approval of previous meeting’s minutes** from [2020-02-19](#)
 - Motion to approve by Wisinski, seconded by Vaughn
 - Minutes approved.
- 3. WLIC Business** (Mike Friis)

Appointment of new council members

 - There are three Council positions open—utility industry representative, real property lister, and land information officer.
 - For the RPL position, Kimberly Christman, currently serving as a proxy, has reapplied.
 - For the land information officer position, Kelly Felton will reapply. The Land Information Officers Network (LION) voted to endorse Felton at their meeting on October 13th.
 - Applications are due to DOA on November 13, 2020.
- 4. WLIP Program Update** (Mike Friis/Peter Herreid/Jim Giglierano)

WLIP grants and program status

 - Herreid reported Wisconsin Land Information Program (WLIP) updates, including the release of the 2021 WLIP grant application. Counties are eligible for Training & Education, Base Budget, and Strategic Initiative grants up to \$50,000 level. The Strategic Initiative grant amount was possible due to an increase in revenues in State Fiscal Year 2020, which saw the highest level of register of deed documents recorded since 2013.
 - The WLIP has published the [V6 Report](#), which contains end user feedback on the Version 6 statewide parcel database and recommendations for V7.

Routes to Recovery: Local Government Aid Grants

- The state's [Routes to Recovery](#) program, with federal funding from the CARES Act, offers the opportunity for local governments to be reimbursed for COVID-related expenses. Counties are eligible, so this could potentially include unbudgeted expenses for land information offices.
- Division of Intergovernmental Relations staff have been active in helping with administration of the program.
- The last period to submit reimbursement requests occurs in November.

Lidar status and hydrography updates

- Giglierano provided updates on lidar progress, where there are five projects in progress. When complete, there will be 54 counties that meet the QL2 (Quality Level 2) national standard. For the upcoming 3DEP cycle, a number of the remaining 18 counties look like they may participate.
- With regard to hydrography, where GIS data is crucial for many applications, there have been various efforts to develop products and to fund projects. Some efforts are federal, and there are also a number of local projects led by watershed groups and others.
- FEMA is offering states BRIC (Building Resilient Infrastructure and Communities) funding for updating state hazard mitigation plans.

5. DMA NextGen9-1-1 GIS Consulting Services Project (Jessica Jimenez/Andrew Faust)

- Jessica Jimenez, Next Generation 9-1-1 program manager from the Department of Military Affairs (DMA) Office of Emergency Communications, provided an overview of a DMA's project to conduct a GIS gap analysis.
- DMA has contracted with GeoComm for the project, and is also working with the Wisconsin Land Information Association (WLIA) NG9-1-1 Task Force.
- A key task of the project looks at NG9-1-1 GIS data standards and best practices.
- Another task includes collection and assessment of GIS data from local governments. Data requests have been made to counties and certain municipalities. All but seven counties have either submitted or responded. Data submitters will receive a report on their data from GeoComm and a follow-up call to review the individual reports.
- The project also includes an education and outreach task, and a report summarizing the project. The final report is due to the Interoperability Council's 9-1-1 Subcommittee in May of 2021.
- While the project is still in progress, some of the comparisons of local data to the data standards set by National Emergency Number Association (NENA) show that local data varies and that there will be work to do to translate local data to the NENA standard.
- Andy Faust spoke to the magnitude of future work that will need to occur, especially in areas like addressing.
- Fred lausly reported on a WLIA effort to reach out to DMA in advance of the agency's biennial budget request in order to encourage grants to help fund local costs.
- Jimenez reported that the [Department of Military Affairs Agency Budget Request](#) for the 2021-23 biennium includes GIS grants and a GIS data management service. The state's budget process will determine what happens with these budget request items.

LION survey and letter regarding Statewide Parcel Map Initiative

- LION completed a survey on the Statewide Parcel Map Initiative in which about half of the counties responded.
- LION Chair Zach Newton sent a letter and survey summary to DOA ([LION_Letter_DOA_WLIC_Survey_Sum_2020.pdf](#)).
- Mike Friis sent a letter with the DOA response ([LION_Letter_DOA_Response_2020.pdf](#)).
- Herreid summarized the main points of the DOA response letter.
- For request #1 asking that DOA move up the parcel data request, DOA will work toward an earlier call for data. Although the V7 data request is planned for January, there are no changes to the parcel schema for V7. For future years, the data request will be moved up to December.
- For request #2, regarding a standardized parcel data cut date of December 31st, the survey results showed mixed responses. DOA is reluctant to make this recommendation but can reconsider if there is a future consensus with implementation details.
- For request #3, DOA will welcome LION and other stakeholders to weigh in on proposed future schema changes.
- For request #4, LION recommended all tax data be sourced from the Department of Revenue. DOA would also like this. They have explored it, and have not found a workable solution. A major obstacle is that not

all 72 counties submit tax data to DOR in a standard format. Other issues also complicate the matter, including parcel ID number matching, owner name redaction, and condo modeling.

- DOA welcomes and invites anybody in the community to try to join the statewide parcel layer to statewide tax data that is sourced from DOR and to share the results.
- Some members of LION voiced concerns related to tax data collection from counties and questioned the degree of coordination and data sharing between DOA and DOR. LION members expressed frustration at the need for counties to make separate data submittals to DOA and DOR, at the timing of the DOA parcel data request relative to the close of the tax year in December, and at the amount of effort that is required to prepare the data that is submitted to DOA.
- Mike Friis agreed to talk to John Dickert, who heads DOR's Division of State and Local Finance, regarding the issues and problems raised.
- It was suggested that LION and real property listers begin internal conversation on the issues discussed.

6. Wisconsin Regional Orthoimagery Consortium Update (Adam Derringer)

- Derringer provided an update on Wisconsin Regional Orthoimagery Consortium (WROC) for 2020.
- For orthoimagery, there are 62 county participants and several other partners. For imagery as well as lidar, partnerships for various projects exist at both the state and federal level.
- WROC data processing remains on schedule, in spite of COVID-related challenges. The state products should be ready by March or April, and there is potential for a new image service for the 12" resolution statewide product.

7. State Agency COVID-19 GIS/Mapping Activities (Colter Sikora/Andy Swartz)

Public Service Commission of Wisconsin broadband/wi-fi maps and broadband initiative

- Colter Sikora gave a summary of Public Service Commission of Wisconsin (PSCW) GIS efforts. These include administration of the Broadband Expansion Grant Program and a compilation of internet resources for Wisconsin residents during the public health emergency.
- PSC offers a mapping application that displays public wi-fi locations, and are conducting a survey in partnership with the Department of Public Instruction on publicly accessible wi-fi.
- Public wi-fi hotspots map and survey
 - Map: <https://maps.psc.wi.gov/Apps/PublicWiFiLocations/index.html>
 - Survey: <https://survey123.arcgis.com/share/be0cd68e7fcf449593add9869874223>

Department of Health Services COVID mapping response

- Andy Swartz from the Wisconsin Department of Health Services (DHS) discussed some of the GIS efforts at DHS.
- One population health study is testing sewage samples from wastewater treatment facilities statewide, in order to look for COVID-19 genetic content, and compare those metrics to traditional COVID test result data. DHS's GIS team is in engaging in mapping efforts for the wastewater treatment plant boundaries, service areas, pipe locations, et cetera.
- Other DHS efforts make data from Wisconsin Electronic Disease Surveillance System publicly available in map form, down to the census tract level.
- The need and demand for data is high and there are challenges, but state agency employees have provided connections for state agency mappers to move various projects along, and feedback shows there is gratitude for the data from locals and other consumers of state agency GIS data.

8. Next Steps/Action Items

- WLIC Applications – Applications due November 13, 2020
- Next WLIA meetings – WLIA annual (virtual): February 15-19, 2021
- Mike Friis: Contact John Dickert at DOR
- LION/RPLs: Begin internal conversation on DOA/DOR tax data issues

9. Adjourn

- Meeting adjourned at 11:12 p.m.



**Wisconsin Land Information Council
Minutes 2020-02-19**

Meeting Date: Wednesday, February 19, 2020
Time: 2:00–4:00 p.m.
Location: WLIA Annual Conference | Middleton | Marriott Madison West | Greenway Room
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)					
Dave Addison	N	Cori Lamont	N	Colter Sikora	Y
Adam Derringer	Y	September Murphy	T	Nathan Vaughn	T
Kelly Felton	N	Mark Netterlund	Y	Howard Veregin	Y
Sarah Hedtke	T	Dawn Neuay	N	Cindy Wisinski	T
Jim Giglierano	Y				

Other Attendees	
Brannick Beatse (Y)– proxy for Dave Addison	Jason Towne (Y)
Mike Friis (Y)	Tia Bowe (Y)
Peter Herreid (Y)	Bryan Meyer (Y)
Davita Veselenak (Y)	Richard Kleinmann (Y)
Fred lausly (Y)	Shirley Simonis (T)

- 1. Welcome and Introduction** (Mike Friis)
- 2. WLIC Business** (Jim Giglierano/Adam Derringer)
 - a. Approval of previous meeting’s minutes (2019-10-23 minutes)**
 - Motion to approve by Veregin, seconded by Sikora.
 - Minutes approved.
- 3. WLIP Program Update** (Peter Herreid/Jim Giglierano)
 - a. WLIP grants and program status**
 - Herreid provided WLIP program updates.
 - The last year saw the completion of the Version 5 (V5) Statewide Parcel Map Database Project and publication of a final report on V5 (https://doa.wi.gov/DIR/V5_Final_Report.pdf).
 - As part of V5, DOA and the State Cartographer’s Office (SCO) also created a statewide PLSS layer.
 - The V6 county data request was made on January 31st, with data submissions due March 31st.
 - The 2020 grant application was put out in September.
 - Strategic Initiative grants for 2020 amount to 40k per county, due to historic low revenues. However, for the first half of State Fiscal Year 2020, revenue is up 17 percent compared to the same period last fiscal year. This means that projected amounts for the next round of Strategic Initiative grants may not need to be dropped below 40k, and there is potential that they may even be increased. The grant amount will be finalized by October 1st, when the next grant application is released.
 - The WLIP also put out an annual report (https://doa.wi.gov/DIR/2019_WLIP_Report.pdf).
 - The annual report and the parcel project final reports contain analysis, which shows, for example, that the parcel aggregation effort is still struggling to get closer to automation and conditions that would facilitate automation.
 - The parcel project final reports also contain user feedback, documenting reported uses of the statewide parcel layer and a wide variety of users.

- Veregin described a project to utilize parcel assessment data that seeks to quantify flood risk using data from flood maps, building footprint data, and parcel assessment data.
- Business use cases like this are essential for demonstrating why the Parcel Initiative is an important endeavor.
- It will also be interesting to see how PLSS data gets used after the new statewide PLSS layer is published.

b. Department of Military Affairs RFP for NextGen9-1-1 GIS

- Giglierano and Herreid reported that the Department of Military Affairs (DMA) has released a request for proposal (RFP) for a GIS gap analysis (<https://dma.wi.gov/DMA/oec-news/oec200116>).
- The first task laid out in the RFP document is the identification of a standard for the GIS elements of NextGen9-1-1.
- DMA is also updating the *Wisconsin Statewide NG9-1-1 Plan*, with input from a plan update group which Colter Sikora and Eric Damkot are participating in.
- The RFP document mentions the WLIP and its structure as a program that provides funding to counties for land records modernization, as well as the fact that NG9-1-1 will likely require additional funding.
- Fred Iausly, a member of the WLIA NG911 Task Force, provided background information on some of the language in the RFP. The intent was to make clear that Wisconsin has an existing program for land information, for the awareness of prospective consultants who might seek to purchase street and address data from corporate vendors.
- Derringer noted a possible role for the Council in taking steps to protect the Program's existing funding.

c. Lidar status

- Reference – [Wis_Lidar_Status_02_2020.pdf](#)
- Last year, Wisconsin completed first-time lidar elevation data coverage of the state.
- Efforts to secure any available federal funding continue. Approximately 20 counties are eligible for federal funding to acquire QL2 (Quality Level 2) lidar data by the nationwide goal date of 2023.
- Partnering with other projects or agencies to fund projects might be a model for the future.
- DNR offers and maintains a REST service to make elevation data publicly available, and much of the data is also available through a WisconsinView FTP site.
- There have been personnel changes in Wisconsin's USGS liaison and the federal 3DEP program manager.
- Opportunities for growth include DNR mapping efforts and possible update of the DNR 24k hydro layer, and rallying for inclusion of GIS issues in the Governor's Task Force on Climate Change.

4. WSRS 2022 Task Force Update (Richard Kleinmann)

- Richard Kleinmann, co-chair of the Wisconsin Spatial Reference System 2022 Task Force ([WSRS2022](#)), provided updates on Task Force activities surrounding the new 2022 horizontal and vertical reference systems.
- The Task Force has been focused largely on technical information related to coordinate systems, but they will also be dealing with issues of legislation, education and outreach, software/hardware, and implementation.
- The new systems will cause coordinates in Wisconsin to shift over a meter horizontally and vertically. This will have significant implications, especially for county data producers, who will likely be seeking out funding in the future.
- Kleinmann encouraged the Council to start consideration of funding issues.
- Questions and input back to the WSRS2022 Task Force are welcome.

5. PLSS Completion and Integration – Role of County Surveyors (Mark Netterlund)

- Netterlund discussed the role of county surveyors and the completion and integration of PLSS.
- Netterlund's history as Barron county surveyor is an example of how a full time county surveyor with time in the field and adequate funding that includes grants facilitated the restoration of all county PLSS corners and coordinates by the year 2016.
- For other counties to accomplish the completion and integration of PLSS, there are a few key issues which can present challenges, but some counties have found ways to overcome these challenges.
- Regarding the hiring of county surveyors, there are some common obstacles. One obstacle has been that some county administrators are not willing to pay surveyors a competitive wage with benefits, making it hard to compete with private companies who do offer those things. Other obstacles include the county practice of the 37½ hour work week for employees, which also makes it difficult to attract qualified employees, the willingness of counties to invest in equipment and allow surveyors adequate time in the field, and the use of low-bid contractors, which can yield poor quality work.

- An idea to advance PLSS completion and integration is cooperation between counties. In the Barron County example, the county contracts with Burnett County for half-time survey work, and there are other counties which share a surveyor.
- Another idea to advance PLSS completion and integration is a mentorship program, pairing county surveyors with other surveyors or interns.
- The idea of making a case in support of PLSS remonumentation and the value of survey work for decision makers such as county administrators and county board supervisors was discussed.
- A possible target is the Wisconsin Counties Association (WCA) and the associated Wisconsin County Executives and Administrators Association (WCEA), and the WCA annual meeting in particular.
- A presentation would likely involve the [PLSS Work Group](#), which is hosting a [PLSS survey forum](#) in Marinette on April 28th where they are trying to attract county board members. Such an effort would require leadership from the Wisconsin County Surveyors Association as well as support from other groups, including the Council.
- Options for educational and informational content include taking attendees out to show them monuments, Meyer's presentation on the state line, demonstrating that some counties lack what a majority of other counties have, presenting information on ways that coordinates and control data can save money, and analysis on where data is lacking and the potential costs of such deficiencies.

6. WLIA Address Point and Street Centerline Standards (Adam Derringer)

- Reference – [Derringer_WLIC_Handout_2020-02-19.pdf](#)
- Derringer provided an update on the WLIA address point and street centerline standards.
- A handout was provided that began with the following text:

WLIA has documented their standards and published their process documents. All information about the standard, how it was first created, how it was updated based on comments, and how it will be updated can be found on the WLIA Resources Webpage. In addition, you can find comparison information to the current NENA standard here:

<https://www.wlia.org/resources/standards/>
- Derringer gave an overview of the WLIA standards materials and explained that they are professional association standards. The hope is that counties will adopt the standards.
- While address point and centerline datasets are required for NextGen9-1-1, the data serves multiple business purposes, and the WLIA standards were designed with the multi-use idea in mind.
- Some issues and aspects of implementation of standards, how to assemble local datasets, and associated costs at local and state levels remain to be worked out, but the WLIA Technical Committee and the Legislative Technology Services Bureau are working on demonstration toolsets for collecting and submitting local data that is assembled to a statewide level.
- In general, multiple data producers adhering to the same schema will be less expensive to aggregate than using non-standardized datasets where everybody employs a different schema.
- The results of the standards and schema development described in the Department of Military Affairs RFP for the GIS gap analysis will be instructive.

7. Next Steps/Action Items

- Next WLIA meetings:
 - WLIA [spring regional meeting](#): June 4-5, 2020 – Sheboygan

8. Adjourn

- Meeting adjourned at 3:50 p.m.



**Wisconsin Land Information Council
Minutes 2019-10-23**

Meeting Date: Wednesday, October 23, 2019
Time: 2:00–4:00 p.m.
Location: Northern Great Lakes Visitor Center | 29270 County Highway G, Ashland, WI 54806
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)					
Dave Addison	N	Cori Lamont	T	Colter Sikora	Y
Adam Derringer	Y	September Murphy	T	Nathan Vaughn	N
Kelly Felton	Y	Mark Netterlund	Y	Howard Veregin	T
Sarah Hedtke	Y	Dawn Neuy	N	Cindy Wisinski	T
Jim Giglierano	Y				

Other Attendees	
Mike Friis (Y)	Brittany Goudos-Weisbecker (Y)
Peter Herreid (T)	Tony Van Der Wielen (Y)
Davita Veselenak (T)	

- 1. Welcome and Introduction** (Mike Friis)
- 2. WLIC Business** (Jim Giglierano/Adam Derringer)
 - a. Approval of [previous meeting's minutes](#)** from 2019-06-26
 - Motion to approve by Felton, seconded by Netterlund.
 - Minutes approved.
 - b. Proposed bylaw amendment**
 - Reference – [WLIC_Bylaw_Proposed_Amendment_2019-06-26](#)
 - An amendment to the *Terms and Vacancies* section of bylaws was proposed by Derringer at the June 26th meeting of the Council.
 - Two changes to the proposed language were suggested.
 - The first would change the word “accept” to “begin to solicit” in order to allow more time in the timeframe that the Department of Administration (DOA) is looking for applicants:
 - 1) Change “No less than ninety (90) days prior to a member's three-year term concluding, DOA will accept applications for a new member” to
 “No less than ninety (90) days prior to a member's three-year term concluding, DOA will **begin to solicit** applications for a new member.”
 - The second change would remove the word “Secretary”:
 - 2) Change “. . . the immediate past Council member whose term has lapsed may serve as an interim member representative of their sector until the Department of Administration Secretary makes an official appointment” to
 “. . . the immediate past Council member whose term has lapsed may serve as an interim member representative of their sector until the **Department of Administration** makes an official appointment.”
 - There was discussion of the meaning and implications of the removal of the word “Secretary.”
 - It could allow for more flexibility for the Department of Administration, by removing the responsibility of appointing members from the DOA Secretary, who may be part of an outgoing administration and foregoing decisions related to staffing advisory groups. It could allow someone other than the

DOA Secretary to make appointments when a vacancy on the Council exists mid-term, such as the division administrator of the Division of Intergovernmental Relations.

- There was concern this could affect the clout of the Council.
- However, in the WLIC Charter, the *Creation* section specifies, “The Council shall consist of 12 members appointed by the Department of Administration Secretary for 3-year staggered terms.”
- The proposed revision would not alter this language, as the absence of the word “Secretary” would specifically be in the *Terms and Vacancies* section of the bylaws.
- Regarding vacancies, the proposed amendment would allow an immediate past Council member whose term has lapsed to serve as an interim member representative.
 - **Motion 2019-10-23-01:**
 - A motion was made by Derringer to amend the bylaws *Terms and Vacancies* section, according to the proposed language but changing the word “solicit” to “will begin to accept” and removing the word “Secretary.”
 - The motion passed unanimously by voice vote.
(Bylaws posted online at doa.wi.gov/DIR/WLIC_Charter_and_Bylaws.pdf).

3. WLIP Program Update (Jim Giglierano)

a. Lidar Grants/State Elevation Planning Process

- Reference – [Wis_Lidar_Status_10_2019.pdf](#)
- Giglierano gave an update on the status of lidar elevation data for the state.
- While lidar coverage for the state is complete, the United States Geological Survey (USGS) only considers Wisconsin about 60% done, as some data does not meet the desired specifications of QL2 (Quality Level 2). Thus there is the opportunity for federal funding to complete the entire state at at least QL2.
- The funding model has been such that counties contribute as local partners, but few counties have lidar budgeted into their county land information plans.
- Wisconsin has been involved with a planning process led by the National States Geographic Information Council (NSGIC) and USGS 3DEP (3D Elevation Program) to develop statewide lidar acquisition plans.
- For funding lidar projects an additional option of partnering with other government agencies, such as FEMA and the U.S. Forest Service, has emerged.
- In the case of Ashland County, a federal project allowed the county to contribute in order to buy up to higher quality level so that the whole county will be flown at QL1.
- Recent projects show the value of newly acquired lidar data, particularly after flooding events that occurred in 2014 and 2016.
- Some high density municipalities have acquired QL0 data which is very accurate, high fidelity data, and can well serve certain business needs, but QL2 data is often adequate for other business needs.
- Part of the strategy moving forward for completing statewide QL2 lidar coverage will be trying to find project partners like the U.S. Forest Service and Natural Resources Conservation Service (NRCS), and to talk about the range of applications and benefits for lidar derivatives.
- A culvert mapping project with the Wisconsin Coastal Management Program demonstrates the potential benefits of accurate and complete culvert data, which can be enhanced by lidar derivatives. The effort could serve as an example of a project with many levels of participant cooperation and data sharing.

4. WLIA Technical Committee Address Point/Street Centerline Standards (Jim Giglierano)

- Giglierano reported on the status of Council efforts related to the Wisconsin Land Information Association (WLIA) Technical Committee’s [Address Point and Street Centerline Standards](#).
- At the meeting of the WLIC on June 26th, the Council passed a motion for the GIO to create a working group to draft questions to evaluate the business impacts of the standards.
- Veregin and Felton volunteered for this working group.
- The group made a decision to step back from gathering information from stakeholders on the WLIA standards due to factors such as the [news](#) that the Wisconsin Department of Military Affairs is planning to hire a contractor to perform a GIS gap analysis as part of their Next Generation 9-1-1 efforts, the potential to create confusion amongst stakeholders and data producers, possible implications of the “draft” nature of a standard that could change, and the release of a [data standards revision document/](#) data standards revisions summary by WLIA that did not include the comments received.
- There was discussion of the role of the Council in accepting or endorsing the WLIA standards.
- In the context of 9-1-1 services, standards are crucial to shared service zones, where in the absence of a uniform standard, a lot of money from counties and municipalities goes toward conflating different datasets with different standards.

- There are many other business needs for standards—for addressing projects, Census activities, and more. In the case of county data producers, standards can serve as a guide for building GIS datasets.
- For Wisconsin in the context of NG9-1-1 efforts, there is concern that a vendor could be brought in to build a vendor-driven dataset when counties are devoting resources to building their own data layers.
- On the WLIA standards, some Council members questioned whether it is the right standard at the right time, with focus on what purpose the standards are trying to serve, the relation of the standards to the National Emergency Number Association (NENA) standard, and the nature of the process by which WLIA came to accept the standards.
- On the purpose, Veregin commented that it was unclear from the WLIA documentation and the discussion what purpose the standards are trying to serve, while Felton pointed to a lack of clarity on what the standards would mean for producers of data.
- On the relation to the NENA standard, the relationship of the current version of the WLIA standards to the NENA standard was questioned.
 - Veregin noted references to NENA and NG9-1-1 in the [WLIA white paper](#), but a lack of clarity on how the standards have been changed and where the WLIA standards do and do not conform to the NENA standard.
 - WLIA President-Elect Tony Van Der Wielen explained that the WLIA standards were specifically designed as a multi-use standard to meet multiple business needs for many users, and in that way are not purely the NENA standard.
- On the WLIA process, there was disagreement on the adequacy of the process to seek widespread input and incorporate feedback and comments.
 - For the Wisconsin Land Information Officers Network (LION), Felton reported the question of whether LION wished to endorse the standards may have felt rushed to some LION members, with little discussion and questions remaining before the vote to endorse the standards took place. There was also the sense for some that it might be an all-or-nothing, take-it-or-leave type of issue.
 - For the State Agency Geospatial Information Committee (SAGIC), Sikora reported that the SAGIC letter in response to WLIA supported the standards while also acknowledging the process of development in which the standards may need to evolve and require future revision.
- Van Der Wielen spoke to the WLIA process to develop the standards—a long process in which members of the WLIA Technical Committee chaired by Ryan Squires worked to take in input, make revisions, provide feedback on revisions, and, increasingly with time, to make documentation publicly available. Derringer noted WLIA public outreach efforts and progress on the part of WLIA since the white paper, to provide descriptions of the process and revisions that were made.
- Van Der Wielen expressed a commitment to an open and inclusive process, and to working with the community toward getting the standards and standards process right, including coordinating with Ryan Squires to get the comments from the data standards revisions summary.
- WLIP Program Manager Mike Friis commended WLIA in taking the first step to establish standards. He noted that there may be potential in what happens with NG9-1-1 and DMA's gap analysis. The approach to the Program has been to use other initiatives and situations, such as the Deer Report, as an opportunity to grow. Such situations can draw the legislature and those who might appropriate additional funds for the Program.
- There was discussion of whether the Council might issue a statement in support of WLIA's general efforts to establish a standard, but not endorsing the standards themselves. A statement could allow the Council to demonstrate leadership on the issue and provide direction on addresses and street centerlines for the WLIP, but a statement was deemed not necessary in light of concerns raised in the discussion, the remaining questions for the WLIA Technical Committee, and the pending release of additional related documents from the Technical Committee.
- Derringer encouraged Council members to go to their membership and reach out on the standards and the next thing that will go out from WLIA.

5. Next Steps/Action Items

- Next WLIA meetings:
 - WLIA annual conference: February 19-20, 2020 – Middleton
 - WLIA spring regional meeting: May 30-31, 2019 – Eau Claire

6. Adjourn

- Meeting adjourned at 4:16 p.m.



**Wisconsin Land Information Council
Minutes 2019-06-26**

Meeting Date: Wednesday, June 26, 2019
Time: 1:00–3:00 p.m.
Location: Wisconsin Dept. of Administration | 101 E Wilson St 10th Floor | MacArthur Room
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: **770-613-845**

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)					
Dave Addison	Y	Cori Lamont	N	Colter Sikora	Y
Adam Derringer	Y	September Murphy	T	Nathan Vaughn	T
Kelly Felton	Y	Mark Netterlund	Y	Howard Veregin	Y
Sarah Hedtke	Y	Dawn Neuy	N	Cindy Wisinski	N
Jim Giglierano	Y			Marge Geissler— proxy for Wisinski	T

Other Attendees
DOA Assistant Deputy Secretary Tia Torhorst
Dawn Vick
Mike Friis
Peter Herreid
Renee Powers
Davita Veselenak
Jim Young

- 1. Welcome and Introduction (Mike Friis)**
- 2. Remarks from DOA Leadership**
 - Department of Administration (DOA) Assistant Deputy Secretary Tia Torhorst welcomed members of the council and thanked them for their service.
- 3. Introduction of Council Members and Division Staff (Jim Young, Renee Powers)**
 - Division Administrator Dawn Vick from the Division of Intergovernmental Relations gave an introduction to the division, which has programs that interact with every city, county, village, town, and tribe in the state.
 - Renee Powers leads the Plat Review program, which regulates the subdivision platting process, and the Municipal Boundary Review program.
 - Recent DOA hire Jim Young, a former assessor and appraiser, maintains the state’s [Municipal Data System](#) for recording municipal boundary changes, works with the U.S. Census Bureau on the LUCA project (Local Update of Census Addresses Operation), and assists with state population estimates.
 - Mike Friis manages the Wisconsin Coastal Management Program, which does work with the 15 coastal counties along the Great Lakes.
- 4. Approval of [previous meeting’s minutes](#)**
 - [2018-10-10 minutes](#)
 - Motion to approve by Felton, seconded by Addison. Abstaining – Netterlund.
 - Minutes approved.
 - [2019-02-20 minutes](#)
 - Correction to the draft minutes, to add that Derringer suggested consideration of a change to the bylaws to account for members whose terms pass prior to the appointment of new members.
 - Motion to approve corrected minutes from Addison, seconded by Felton.
 - Minutes approved as corrected.

5. WLIC Business (Jim Giglierano)

a. Officer elections

- Motion to nominate Adam Derringer as Chair by Addison.
- Motion to elect Derringer Chair passed.
- Motion to nominate Kelly Felton as Vice Chair by Netterlund.
- Motion to elect Felton Vice Chair passed.

6. WLIP Program Update (Peter Herreid)

a. Progress in implementing WLIP Program Plan

- Peter Herreid gave an overview of progress in implementing the *WLIP Program Plan 2016-2021*, which the council helped to create in 2015-16.
- The first goal of plan was to administer county grants and institute standards.
- Counties continue to make progress on the four benchmarks for parcel data, but there is work yet to do.
- For the most part, counties are meeting the first benchmark, the Searchable Format standard for parcel data. There is also steady progress in county parcel fabric completion.
- The fourth benchmark is completing and integrating PLSS. About 47 counties have yet to reach this benchmark, with the year 2025 the median date for completion.
- The plan called for an Open Data benchmark, but after an extensive survey, it was decided it would be more efficient for DOA to collect county GIS data and make it available for public download via UW-Madison Robinson Map Library, and for DOA to collect lidar data by way of external hard drives and make it available through WisconsinView.
- The second goal of the plan was to continue progress on the Statewide Parcel Map Initiative, which has reached the point of completing the Version 5 statewide parcel database.
- Improving the map is reliant on counties improving their data, which they have been doing, especially with help of WLIP grants.
- The process of creating the statewide parcel database has become efficient enough to allow for a sub-project to create a statewide PLSS layer, which will supersede the 1990s LandNet layer still in use today.
- However, there is still room to improve with the statewide parcel map database, including potential for improvement in how attributes are populated.
- The original Program Plan was a five-year vision, but the plan does not have an expiration date and can continue to provide guidance. Updates to the plan would be context-dependent, particularly if there were a new directive that would drive the program, a new legislative initiative, or developments related to Generation 9-1-1.

b. WLIP Grants

- The 2020 WLIP grant application is scheduled to be released by October 1st.
- Base Budget grants for counties are expected to be funded to the \$100,000 threshold, and Training & Education grants at the \$1,000 level.
- Strategic Initiative grants will likely need to be lowered to around \$40,000 per county.
- This is because Register of Deeds document recording fees have been down, reaching a historic low for the WLIP. The drop-off started in November of last year. The end effect is there is less revenue in the Land Information fund, and to fill the gap to fund Base Budget grants, it takes more.
- The initial Strategic Initiative grants benefitted by an accrual of a balance in 2015, but that balance has been spent and the program has maxed out the encumbrance of future revenues.
- In the face of low revenue tied to the real estate market, there was concern for long-term planning of the program and what the future of the program might look like 5-10 years out.
- In the 2020 WLIP grant application, the benchmarks will remain the same.
- In keeping with the annual planning process for grants, any potential new grant requirements or benchmarks would need to be decided by June of 2020 for the 2021 grant application. As such, any new requirements or benchmarks should align with other program priorities, have statewide benefits that outweigh the costs, have buy-in from stakeholder groups, be able to be feasibly implemented, and not have a better alternative to achieving the same objectives.
- Future legislative directives or new initiatives could shape future grant requirements.

7. Lidar Grants/State Elevation Planning Process (Jim Giglierano)

- Reference – Handout: [WLIC_Lidar_Status_Map_2019-06-26](#)
- Giglierano presented an updated lidar status maps depicting what is left to reach the USGS goal of having QL2 data for the whole country by 2023, with recent acquisitions in Wisconsin funded by USGS and the Forest Service.

- The funding model may be shifting. The model in much of the country is for federal government to do larger tracts.
- To this point, Wisconsin has had a locally driven model. We are waiting on word from the feds on whether there is a different model we should be looking at.
- While not necessarily a formal plan document, the plan for lidar involves talking with WLIC members, others, our USGS liaison, and partners to take advantage of all possible resources.

8. WLIA Technical Committee Address Point and Street Centerline Standards (Colter Sikora)

- Colter Sikora reported on the progress of the WLIA Technical Committee's [Address and Road Centerline Data Standard](#).
- The technical revision subcommittee is in the process of going over suggested revisions to the standard and the metadata behind it.
- Although the standard has been widely distributed for comment, there are some who have yet to provide input. Contacts are Ryan Squires at LTSB and Lauree Aulik for LION.
- There was discussion about the council's next steps relative to the standard, with some expressing the desire for council review of the standard before any further action is taken to endorse or approve it.
- There are some key questions and unknowns for stakeholders and folks who would be directly impacted by the standard.
 - **Motion 2019-06-26:**
 - A motion was made by Sikora, seconded by Veregin:
 - *Jim Giglierano to create a working group to draft approximately five questions (as needed), to evaluate the business impacts of the WLIA's road centerline and address data standards.*
 - Motion passed.
- There was discussion of a proposed change to the bylaws from Derringer, to ensure people know when to start submitting applications for a new term, to fill a vacancy in leadership that occurs mid-term, and to have functioning members in place in the case of a delay in appointments.
- Reference – Handout: [WLIC_Bylaw_Proposed_Amendment_2019-06-26](#)
- Proposed amendment to bylaws to be taken up at next meeting.

9. Next Steps/Action Items

- Sikora: Send WLIA address and road centerline data standard links to group
- Giglierano: Work group to create questions on WLIA standards
- Next WLIA meetings:
 - [WLIA fall regional](#) meeting: October 23-25, 2019 – Bayfield
 - WLIA annual conference: February 19-20, 2020 – Middleton

10. Adjourn

- Meeting adjourned at 3:08 p.m.



**Wisconsin Land Information Council
Minutes 2019-02-20***

Meeting Date: Wednesday, February 20, 2019
Time: 2:00–4:00 p.m.
Location: [WLIA Annual Conference](#) | Appleton | Red Lion Hotel Paper Valley | Hickory Room
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: **770-613-845**

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)			
Dave Addison (2018-2020 term)	T	Cori Lamont (2015-2018 term)	T
Kelly Felton (2018-2020 term)	Y	Mark Paulat (2015-2018 term)	T
Dawn Neuy (2018-2020 term)	N	Kris Pelot (2015-2018 term)	N
Adam Derringer (2015-2018 term)	Y	Nathan Vaughn (2015-2018 term)	T
Dan Frick (2015-2018 term)	N	Howard Veregin (2015-2018 term)	Y
Maria Nelson (2015-2018 term)	N	Cindy Wisinski (2015-2018 term)	N
Jim Giglierano (non-voting secretary – ongoing)	Y		

Other Attendees			
Mike Friis - DOA	Y	Fred Iausly - Dane County	Y
Peter Herreid - DOA	Y	Marge Geissler - Chippewa County	Y
Davita Veselenak - DOA	T	Mark Netterlund - Barron County	Y
Brenda Hemstead - SCO	Y	Martin Goettl - UW-EauClaire	Y
Colter Sikora - PSCW	Y	Sarah Hedtke - WLTA	T
Eric Damkot - Washington County	Y	Tony VanDerWielen - LTSB	Y

*No quorum was present (due to expired appointment terms not yet filled).

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of [previous meeting's minutes](#)** from 2018-10-10
 - Agenda item deferred due to lack of quorum
3. **WLIC Business** (Mike Friis)
 - a. **Appointment of new council members**
 - Nominations have been sent to the DOA Secretary's office and have been forwarded to the Governor's Office but are still pending.
 - Derringer suggested consideration of a change to the [bylaws](#) to account for members whose terms pass prior to the appointment of new members.
 - b. **Officer elections**
 - Agenda item deferred due to lack of quorum
4. **WLIP Program Update** (Peter Herreid)
 - a. **V5 call for data**
 - DOA sent out the data request to counties for the Version 5 (V5) parcel project at the end of January.
 - The request asks counties to submit parcel data in the standardized Searchable Format, as well as a host of other GIS layers.
 - One of those other layers is PLSS, which will be used to create a statewide PLSS layer for V5 at little to no additional cost over the parcel project.
 - The statewide PLSS layer and other layers will be publicly available through the Robinson Map Library's portal GeoData@Wisconsin.

b. County land info plan finalization

- In 2018 counties updated their [county land information plans](#). There is a peer review process and the WLIP grant administrator reviews the plans. Nearly all plans have been finalized.

c. 2019 grant agreements

- WLIP grant applications were due December 31st, 2018. All 72 counties submitted an application.
- Grant agreements have been sent out and Base Budget grant payments are in progress.
- The first half of Strategic Initiative grant payments will be made upon successful submittal of V5 parcel data.

d. 2020 grants

- A similar timeframe for 2020 grants is expected, with the application to be released by October 2019.
- The Strategic Initiative grant amount might be a little lower than previous years, because the register of deeds document recording numbers have not increased from their historic low. Revenues have not quite been enough to fund every county up to \$50,000 Strategic Initiative grant level. To get to \$50,000 the number of recording documents would have to increase.
- It is estimated the Strategic Initiative grant amount will be around \$40,000 for each county.

5. Lidar (Jim Giglierano)

a. 2019 USGS 3DEP grants

- Reference – [Wis_Lidar_Status_2_2019.pdf](#)
- There is complete lidar coverage of the state for the first time, due to the hard work of many people and organizations.
- Much of the funding has come from federal sources, which comes with the requirement of a certain standard called QL2 (quality level 2).
- Many counties are eligible for 3DEP funding to get QL2 data.

b. 3DEP state elevation plan – planning process

- A state elevation plan is required for future participation in the 3DEP program.
- NSGIC has provided a guide for how to create the plan.
- Wisconsin is unique, in that the vast majority of funding comes from local governments.
- The state elevation plan is an opportunity to develop outreach and education materials.
- The precise content of the state lidar acquisition plan is to be determined, with a goal to tell a story that will pull in the maximum amount of funding possible.
- Likely targets include the counties with 2010-2011 data that was CDBG-funded and those counties that lack QL2 data.
- Jim Giglierano requested help from council members in gathering feedback—from real estate and emergency planning professionals, among others—on why elevation data is important to their stakeholders.

c. 3D Nation study

- The update to the 2011 3D Nation Enhanced Elevation Study is studying business uses and benefits of 3D elevation data, with the addition of other types of elevation needs, including bathymetric data.
- The survey was around 60 pages, for which there were about 11 complete responses submitted for Wisconsin.
- The next phase of the study is clarifying and updating the survey responses as needed.
- The bathymetry needs angle was not well captured in the initial survey responses. It is important to capture these needs if the information is out there—perhaps from county conservation, law enforcement, and other professionals.
- Jim Giglierano may contact people to follow-up on elevation needs and benefits.

d. WisconsinView lidar update

- As the result of a Wisconsin Coastal Management program grant, WisconsinView was able to acquire a 100 terabyte server, allowing several county lidar datasets to be uploaded to the [WisconsinView ftp site](#).
- Some feedback has already been received on the availability of this data. For example, the Burnett county lidar data was used by Oakridge Engineering Company for a project proposal involving cranberry bogs. Other uses cases for the data are yet to be known.

Next Generation 9-1-1

- The Next Generation 9-1-1 budget has been submitted by the Department of Military Affairs. Waiting to see what is in the Governor's budget.
- Most of the Next Generation 9-1-1 funding is dedicated to the ESInet (Emergency Services IP-based Network) infrastructure component. The state has hired a consultant to develop an RFP for the development of the ESInet.

American Terrestrial Reference (NATR) of 2022 Reference Framework Update

- The topic of how Wisconsin takes on the 2022 coordinate system is being addressed by the Wisconsin Spatial Reference System 2022 Task Force (WSRS2022).
- A discovery team met last summer. They composed a letter in response to the National Geodetic Survey on the proposed State Plane Coordinate System of 2022.
- The group has transitioned into a Task Force, with five focus groups, such as "Software/Hardware," "Education and Outreach," et cetera.
- The plan is for individuals to serve as leads to help build the focus groups and meet on a quarterly basis, at times in conjunction with WLIA and WSLS.
- More information is available on the SCO website on the [WSRS2022](#) webpage.
- Interested parties can contact Howard Veregin or Dick Kleinmann.

6. WLIA Technical Committee Address Point and Street Centerline Standards (Adam Derringer)

- Reference – [AddressPointRoadCenterlineDataStandardsAnnouncement.pdf](#)
- WLIA has adopted standards for address points and street centerlines by way of the WLIA Technical Committee.
- The process involved research, comparison to other standards, work with partners, gathering information via a survey, communication with stakeholders, a white paper, and presentation to the WLIA Board of Directors, who approved the standards.
- The standards are designed to be multi-use standards to meet multiple data needs—not just for Next Generation 9-1-1.
- They are publication standards.
- This is a soft roll-out, and not a call to immediately make the standards mandatory.
- Although WLIA members reported the response has been positive, there was concern that some parties may have either been unable to answer the survey or overlooked it and thus the input process and evaluation of the standards might be viewed by some as incomplete.
- There are also questions about the role of DOA and the WLIP and what might be done next.
- Mike Friis expressed concern over making decisions in light of the lack of appointed council members and the pending release of the Governor's Budget.
- Peter Herreid stated that enforcing the standard at the county-level would likely require business use case justification, comparison of current data to the standards, time to convert the standards to grant requirements, and additional resources.
- One potential justification for the implementation of standards is the example of Washington County, where the dispatch center requires a 10-mile buffer around the county. Because data in the neighboring counties comes in in different formats, the data is not very current in the 10-mile buffer area. Standardized data would facilitate the creation of one ETL to send data to Sheriff's department more frequently.
- Now that the WLIA-endorsed standards are widely available, WLIC members can gather feedback and decide how to proceed.
- Council members should share the standards information and bring back feedback from their organizations.

7. Next Steps/Action Items

- Council members: Share the WLIA standards information with organizations and collect any feedback.
- Council members: Begin collecting elevation data needs and benefits from constituents.
- Next WLIA meeting:
 - [WLIA spring regional](#) meeting: **May 30-31, 2019**: Eau Claire, The Lismore Hotel

8. Adjourn

- Meeting adjourned at 3:36 p.m.



**Wisconsin Land Information Council
Minutes 2018-10-10**

Meeting Date: Wednesday, October 10, 2018
Time: 1:00 – 3:00 p.m.
Location: WLIA Fall Regional | Sturgeon Bay | Stone Harbor Resort | Executive Boardroom
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Dave Addison	Y	Jim Giglierano	T	Mark Paulat	T	Nathan Vaughn	T
Adam Derringer	Y	Maria Nelson	N	Kris Pelot	N	Howard Veregin	Y
Kelly Felton	Y	Cori Lamont	T	Dawn Neuy	N	Cindy Wisinski	N
Dan Frick	T						
Other Attendees							
Mike Friis – DOA (Y)				Jodi Helgeson – proxy for Cindy Wisinski (Y)			
Peter Herreid – DOA (Y)				Colter Sikora – PSCW (Y)			
Davita Veselenak – DOA (T)				Jim Lacy – SCO (Y)			
Sarah Hedtke – proxy for Kris Pelot (T)							

1. Welcome and Introduction (Adam Derringer)

2. Approval of previous meeting’s minutes from 2018-05-30

- Motion to approve by Addison, seconded by Felton
- Minutes approved

3. WLIC Business (Mike Friis)

a. Transitioning council members

- Applications for the next 3-year WLIC term will be accepted through November 1st.
 - Currently there are no applications for the position of *public safety or emergency communications representative* nor any letters of endorsement for the *representative of state or federal government*.
- The goal is to have the new members in by the WLIA annual in February.
- Regardless of the membership described in the bylaws, others are welcome to participate and attend WLIC meetings.

4. WLIP Program Update (Peter Herreid)

a. V4 Parcel Map Released

- The Version 4 statewide parcel map database was released on July 31st, with improvements in attributes and coverage. Progress has been made toward the goal of complete coverage of the state, with only 4 counties having incomplete digital parcel coverage.
- Feedback reports called “**Observation Reports**” were sent to counties, with notes on what needs to be done in order to get data into the standard, Searchable Format. For many counties, this only requires small tweaks.
- DOA has been in contact with the most common vendors of tax parcel software so that the vendors are aware of the submission requirements.
- DOA has received positive feedback on the utility of the statewide parcel map database from end-users, but it seeks additional feedback. This is especially important for providing information to share with decision-makers.
- One suggestion is to communicate with the [Wisconsin Counties Association](#) and their Government Affairs Associate, Marcie Rainbolt, as well as county boards.

b. 2019 Grant App Released

- The 2019 WLIP grant application was released on September 17th. The Strategic Initiative grant benchmark requirements did not change.
 - The four parcel benchmarks remain the same, with an option for a waiver from Benchmark 4 (PLSS) for lidar/aerial imagery expenditures.
 - The Strategic Initiative grant amount for 2019 Strategic Initiative grants remains at \$50,000.
- For 2020 Strategic Initiative grants, there is the possibility that grant amount will be less than \$50,000—unless revenues pick up.
 - Revenues from Register of Deeds document recording fees have been at their historic low level the last few years.
 - The \$50,000 amount for 2016-2019 grants was enabled by the accrual of revenue during 2015 until the time of the distribution of the initial awards for 2016 Strategic Initiative grants.
 - DOA has kept the appropriation in the black by encumbering future revenue, but is at the limit.
 - Thus, unless ROD document recording numbers pick up, grant amounts for 2020 may need to be lower.

c. County Land Info Plans being updated

- Most counties have submitted a draft 2019-2021 [county land information plan](#).
 - The process of writing the plans requires the county land information officer to work with other county departments, and the county land information council, who must approve the plan.
- The uniform components in each county plan set forth in the instructions enables DOA and other readers to extract useful information from the plans.
- Many of the plans are rich with historical detail and information on land records modernization projects that have been accomplished since the early 1990s.

d. Data sharing progress

- As part of the [2016 WLIP Program Plan](#), the WLIP has sought to emphasize the goal of facilitation of access to data and data sharing.
- Counties have opened up access to many of their datasets to make them publicly available.
- DOA has collaborated with the UW-Madison Robinson Map Library (RML) to collect several county GIS datasets.
- This year RML added 446 datasets, including 337 non-parcel datasets, to [GeoData@Wisconsin](#).
 - This includes rights-of-way, roads/streets/centerlines, hydrography, address points, buildings/building footprints, land use and parks/open space, and other recreation/trails.
 - RML writes metadata and makes the data discoverable.
- To facilitate lidar data access, DOA has also been working with WisconsinView to buy and fill more more server space.
 - Lidar data for 42 counties has been made available through a [WisconsinView ftp site](#). An additional five counties offer data download through their own websites.
 - The goal is to get as close as possible to uploading 72 datasets to get statewide coverage by next summer.

5. NG911 Update (Adam Derringer/Jim Giglierano)

- At the last WLIC meeting ([WLIC_Minutes_2018-05-30](#)), Chris Diller gave an update on the Department of Military Affairs (DMA) Next Generation 9-1-1 effort.
 - The 2017-2019 state budget provides 6.7 million dollars for NG 9-1-1, particularly for the purposes of a statewide ESInet (Emergency Services IP network). Zero dollars were allocated for standardizing/updating GIS data or GIS tools.
 - The budget also created the Office of Emergency Communications at DMA, and a state Interoperability Council with a [9-1-1 subcommittee](#).
- For the GIS piece, planning efforts have been aided by the the WLIA NextGen 911 Task Force and the WLIA [Technical Committee](#).
- The Counties Association has also taken up NG 9-1-1, most recently in the [October 2018 edition](#) of Wisconsin Counties Association magazine.
- The WLIA Technical Committee is currently working toward the development of address point and road centerline data standards.
- DMA has submitted a budget proposal, which will made public at a later date. The proposal features one central office or agency responsible for collecting all of the necessary data.

- There are large questions related to NG 9-1-1 funding, the voluntary participation of local governments, and standards.
- In terms of state standards, there are several considerations, such as NENA’s 9-1-1 standards, standards for address data such as the USPS standard (particularly important in the context of the coming 2020 Census), the multiple uses for the same data, update frequency, and more.
- The set-up for the statewide ESInet (Emergency Services IP network) system and organization of PSAPs (Public Safety Answering Points) will likely take at least a few years. Now is a good time to start thinking about state NG9-1-1 standards.
- Standards could serve as potential future grant benchmarks, to assist counties and their vendors (like *TriTech* or *NewWorld*) in getting to the standard.
- There is some concern that county boards are not informed on NG 9-1-1-related issues. This could be an area where the Wisconsin Counties Association might be helpful.

6. On the Horizon (Howard Veregin/Jim Giglierano)

a. American Terrestrial Reference (NATR) of 2022 Reference Framework Update

- The National Geodetic Survey (NGS) plans to introduce a new terrestrial reference system in 2022 to replace NAD83—North American Terrestrial Reference Frame of 2022, or NATRF2022.
 - NATRF2022 will have improved accuracy and precision.
 - NATRF 2022 is time-based and based on an updated geoid model.
- NATRF2022 will have implications for surveying, mapping, and GIS—at all levels and sectors.
- A task force is being created to help prepare for these effects, beginning first with a “Discovery Team” to define the main impact areas of NATRF2022 and identify the stakeholder groups affected.
- In July, the NATRF Discovery Team met in Madison. It is co-chaired by Howard Veregin and Richard Kleinmann of WSLs (Wisconsin Society of Land Surveyors).
- There are articles on the State Cartographer’s Office website on the activities of the Discovery Team:
 - [NATRF2022 Discovery Team Submits Comments To National Geodetic Survey](#) (2018-09-06)
 - [NATRF2022 Discovery Team To Convene In Madison In July, 2018](#) (2018-07-05)
- A Federal Register Notice asked for comments on the proposed update to the State Plane Coordinate System (SPCS).
- In August, the Discovery Team submitted a response to NGS:
 - [Wisconsin Response to NGS 2018 Submitted](#) (2018-08-07)
 - The response calls for the accommodation of low-distortion projection (LDP) systems in Wisconsin, asserts that WISCRS (Wisconsin Coordinate Reference Systems) should be included as a level in a tiered state plane system, and that NGS should incorporate WISCRS coordinates into their materials and tools.
- The next NGS deadline for feedback on SPCS2022 occurs in 2019.
- There is work to be done in the next 3-3.5 years so that the community is informed on these matters.
- All federal agencies will be required to use the new datum, and the Wisconsin DOT also plans to switch to it in 2022.

b. WisconsinView Lidar Update and State 3DEP Elevation Plan

- Regarding lidar data progress, as the result of a Wisconsin Coastal Management program grant, WisconsinView was able to acquire a 100 terabyte server.
- Several lidar datasets, many of which were not previously publicly available, have been uploaded to the [WisconsinView ftp site](#).
 - The new coastal datasets were loaded first, followed by other 3DEP products, then WLIP-funded datasets.
- A lidar symposium has been tentatively scheduled for the WLIA annual conference in February.
- Even though Wisconsin has statewide lidar coverage, about half of it does not meet the 3DEP goal of quality level 2 (QL2) or better.
- This presents an opportunity to continue with the 3DEP program.
- A state elevation plan will be required for future participation in the 3DEP program.
 - Wisconsin is one of a handful of states that in the pilot program.
 - Jim Giglierano is collecting some of the background information for the plan, including the needs of state agencies, county, tribes, and other users.
 - The first draft of the plan is due by February.

[Discussion]

- To close out the first 3-year appointment term, Derringer led an open discussion on the work of the council and their role, including strengths and areas of potential improvement.
- One possible area for improvement involves communication. For some audiences, information can be too technical and difficult to understand.
 - Suggestions include addressing specifically how information affects what the audience does, summarizing information in easily digestible pieces, using bulleted lists, creating talking points that can be shared, and widely sharing positive feedback on the benefits of the products of the program.
- A strength has been the role of the council in providing direction, including in writing the WLIP Program Plan, and generally in representing the opinions and support of stakeholders. In the future, the continued engagement of council members will be important, especially on the issue of NG 9-1-1 and associated standards.

7. Next Steps/Action Items

- WLIC Applications – Applications and letters of nomination due November 1, 2018
- Next WLIA meeting:
 - [WLIA Annual](#) Conference: **February 20-22, 2019**, Red Lion Hotel Paper Valley – Appleton

8. Adjourn

- Meeting adjourned at 2:53 p.m.



**Wisconsin Land Information Council
Minutes 2018-05-30**

Meeting Date: Wednesday, May 30, 2018
Time: 2:00 – 4:00 p.m.
Location: WLIA Spring Regional | Lake Delavan, WI | Lake Lawn Resort | Milwaukee Room
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Dave Addison	T	Jim Giglierano	Y	Mark Paulat	T	Nathan Vaughn	N
Adam Derringer	Y	Maria Nelson	T	Kris Pelot	T	Howard Veregin	Y
Kelly Felton	Y	Cori Lamont	Y	Dawn Neuy	N	Cindy Wisinski	T
Dan Frick	Y						
Other Attendees							
Mike Friis – DOA (T)				Peter Herreid – DOA (Y)			
Patrick Walker – City of West Allis (Y)				Davita Veselenak – DOA (Y)			

1. Welcome and Introduction (Adam Derringer)

2. Approval of previous meeting’s minutes from 2018-03-07

- Motion to approve by Felton, seconded by Veregin
- Minutes approved

3. WLIC Business (Mike Friis/Peter Herreid)

- Terms for WLIC appointees who began serving in 2015 will end on December 31st, 2018. Current members are able to apply to serve another term.
- Applications for new members are due to DOA by October 1st.
- According to the WLIC charter, preference for appointees will be given to candidates who are nominated by a trade association.
- The new term will start in January 2019, with the 2019 WLIA annual likely the first meeting.

4. NG9-1-1 Subcommittee of the Interoperability Council/NG9-1-1 Presentation (Chris Diller)

- Reference – PowerPoint slides:
[Diller_WLICMeeting2018_NG911_2018-05-30](#)
 - History of 9-1-1 in Wisconsin
 - Current Funding for 9-1-1 Service In Wisconsin
 - Current PSAP Integration in Wisconsin
 - What is NG9-1-1?
 - Current Status of NG 9-1-1 In Wisconsin
 - October 2017 Office of Emergency Communication (OEC) created at DMA (the Department of Military Affairs) and the 9-1-1 program is within this office
 - Act 59 created a statutorily appointed 9-1-1 Subcommittee
 - Act 59 appropriate \$6.7 million/year for buildout and sustaining an ESInet network
 - NG9-1-1 Subcommittee
 - The 2017-2019 biennial budget created a Gubernatorial appointed 9-1-1 Subcommittee under the Interoperability Council
 - 19 members from both private and public sector (only one GIS representative, who is Andy Faust of the North Central Wisconsin Regional Planning Commission)
 - Reports to the State Interoperability Council

- What Can ESInet Do?
- The Future of ESInet in Wisconsin
- ESInet Costs
- GIS Costs
 - \$0 currently allocated toward building out statewide layers
 - Currently developing a budget
 - Diller consulted with Dan Ross, Minnesota's Geospatial Information Officer, to learn that for the GIS piece, Minnesota made a budget request of \$9 million, with half a million for annual maintenance.
- GIS Data Layers in a NG9-1-1
 - **REQUIRED GIS data layers:**
 - Road Centerlines (with access point file attached to that, and location of driveway or private road that connects to public road)
 - PSAP Boundary
 - Emergency Service Boundary (must include separate layers for Law, Fire, and Emergency Medical Service)
 - Site/Structure Address Points
 - **STRONGLY RECOMMENDED GIS data layers:**
 - Street Name Alias Table
 - Landmark Name Part Table
 - Complete Landmark Name Alias Table
 - States or Equivalent
 - Counties or Equivalent
 - Incorporated Municipality Boundary
 - Unincorporated Community Boundary
 - Neighborhood Community Boundary
 - Other Emergency Service Boundaries (e.g. Poison Control, Forest Service, Coast Guard, Animal Control, etc.)
 - **Other RECOMMENDED GIS data layers:**
 - Railroad Centerlines
 - Hydrology Line
 - Hydrology Polygon
 - Cell Site Location
 - Mile Marker Location
 - Orthophotos
- Call Routing in NG9-1-1
- Address Point Considerations
- GIS Data Standards
 - NENA is developing standards for NG9-1-1 GIS Data
 - **NENA-STA-010**, *NENA Detailed Functional and Interface Standards for the NENA i3 Solution, Appendix B*
 - **NENA-STA-006**, *NENA Standards for NG9-1-1 GIS Data Model*
 - [WLIA task force](#) (has been recognized by 9-1-1 Subcommittee)
- Diller took questions.
 - Diller expressed a desire to work collaboratively with the WLIC and WLIP on the GIS portion of the budget request.
 - Discussion followed on the implementation details, timeframe, and methods of collecting data for the budget request.
 - One option is to conduct a survey with LIOs this summer so as to have data to inform the budget request. Another option is to host an informational webinar.
 - By the end of August 2018, there will need to be some type of draft plan or outline with at least an overview and basic framework.
 - The budget request is due October 2018.
 - The WLIA NextGen 911 task force will provide a data model.
 - The WLIP could potentially be an avenue through which to award grants, but this will need to be further explored.
- Diller will provide a goal/vision statement to aid in planning efforts.

5. Discussion of **Public Feedback on WLIC Recommendations Report** (Jim Giglierano/Peter Herreid)

- References:
 - [Public_Comments_WLIC_Recommendations_2017-12-31](#)
 - [Derringer_WLICfeedbacksummary_2017Recommendations_2018-05-30](#)
- Herreid provided an overview of how the public comments helped to inform DOA decision-making on 2019 WLIP grants.
 - WLIP will focus on facilitating access to WLIP-funded data.
 - State data has not been ruled out—WLIP data is just the starting point.
 - Collaboration with other groups remains a priority.
 - The idea is to prioritize public access to critical GIS layers that are not currently available—orthos, topography/lidar, and PLSS.
 - DOA will create an updated statewide PLSS layer as part of the V4/V5 parcel projects.
 - To make more lidar data available, WLIP will focus first on getting county datasets online. This will include upload to WisconsinView, which has increased capacity recently due to a grant from the Coastal Management Program.
 - The goal is to get available county lidar datasets online by June 30, 2019, then move to focus on access to aerial imagery.
 - Based on public feedback and the concerns of counties, the WLIP will *not* move forward with the benchmark requirement that counties post lidar and aerial imagery online. Instead, WLIP staff will focus on collecting those datasets to make them publicly available.
 - The only additional benchmark for 2019 will be the requirement for sharing of PLSS data that is more standardized. Draft details will be released to the community prior to finalizing the requirement in the grant application.
 - WLIP will continue to work with Robinson Map Library, to enhance the portal/repository GeoData@Wisconsin.
 - Efforts to facilitate data access will also continue with other groups such as WLIA, LION, SAGIC, et cetera.
- Giglierano expressed a preference to focus on things clearly defined in scope and emphasized that helping with the NG9-1-1 GIS effort is imperative.
- Giglierano clarified that the “geospatial data committee” referenced in the 2017 *Recommendations Report* does *not* exist.
 - There is a group working on repository-related issues—a SCO/RML/LTSB/LION/GIO collaboration.
 - They are looking at a better definition of what the repository might be.
 - The SCO/RML/LTSB/LION/GIO group is open to participation from others who wish to be involved.
- Concern was expressed regarding a lack of clarity regarding repository efforts and the geospatial data committee, and the impact of any potential future partnership with DMA.
- Some, including Derringer and Frick, expressed the idea that there should be a 5-year plan for council (beyond the [WLIP_Program_Plan_2016-2021](#)).

6. Next Steps/Action Items

- Diller: Goal/vision statement for GIS elements of NG9-1-1
- Next WLIA meetings:
 - Fall Regional: **October 10-12**, Stone Harbor Resort – Sturgeon Bay
 - Annual Conference: **February 20-22, 2019**, Radisson Paper Valley Hotel – Appleton

7. Adjourn

- Meeting adjourned at 4:23 p.m.



**Wisconsin Land Information Council
Minutes 2018-03-07**

Meeting Date: Wednesday, March 7, 2018
Time: 2:00 – 4:00 p.m.
Location: [WLIA Annual Conference](#) | Elkhart Lake, WI | Osthoff Resort | Ballroom A
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Dave Addison	Y	Jim Giglierano	Y	Mark Paulat	T	Nathan Vaughn	T
Adam Derringer	Y	Maria Nelson	N	Kris Pelot	T	Howard Veregin	Y
Kelly Felton	Y	Cori Lamont	N	Dawn Neuy	T	Cindy Wisinski	Y
Dan Frick	Y						
Other Attendees							
Mike Friis – DOA (Y)			Brandon Tourtelotte – EagleView (Y)				
Peter Herreid – DOA (Y)			Andy Faust – NCWRPC (Y)				
Davita Veselenak – DOA (T)			Eric Damkot – Washington County (Y)				
Dick Kleinmann – Ayres Associates (Y)			Fred Iausly – Dane County (Y)				

1. Welcome and Introduction (Adam Derringer)

2. Approval of [previous meeting's minutes](#) from 2017-11-08

- Motion to approve by Wisinski, seconded by Felton
- Minutes approved

3. WLIC Business (Mike Friis)

- Mike Friis welcomed Kelly Felton, the new land information officer representative for the WLIC, and announced that the Department of Administration has a new Secretary, Ellen Nowak.
- Appointment terms for WLIC members who were appointed in fall of 2015 will end at the end of calendar year 2018. Organizations are welcome to begin forwarding nominations for potential future WLIC appointees.

4. Updates

a. NG911 Subcommittee of the Interoperability Council (Adam Derringer)

- Derringer reported on the WLIA NextGen 911 Task Force, which is starting to look at standards and a pilot project on centerline and address data with about five pilot counties.
- Andy Faust, of the North Central Wisconsin Regional Planning Commission, and GIS representative on the NG911 Subcommittee of the Interoperability Council, provided updates on the subcommittee.
 - They have had three meetings, elected chair and vice chair, and authored a mission statement.
 - There is projected to be a state RFP for statewide ESInet (Emergency Services IP network).
 - There is an effort to survey PSAPs (Public Safety Answering Points).

b. 3DEP Status – 2018 projects; New 2019 application requirements; New USGS 3D Nation Elevation Benefits Study (Jim Giglierano)

- Jim Giglierano provided 3DEP/lidar status updates.
 - All 72 counties will have lidar data by the end of 2018, thanks to the efforts and funding of counties and the USGS 3DEP program.

- The USGS goal is to get coverage for the entire nation by approximately 2023. But without sufficient funding, local partners are still important.
 - Beyond 2019, Wisconsin will need a state plan for lidar, but Giglierano did not have details to provide, other than that Wisconsin will be a pilot state for the state planning effort.
- There will be an update to the 2011 3D Nation Enhanced Elevation Study (NEEA) to study business uses and benefits of 3D elevation data, with the addition of bathymetric data.
- The potential for more elevation data is related to the question of how to make the data available.
 - The WisconsinView site, no longer funded by USGS, was recently awarded some funding through the Wisconsin Coastal Management Program for infrastructure to house data.
 - DNR has set up an imagery REST service with lidar-based topography, although there are some counties that are not yet included.
- There have been a handful of lidar workshops hosted by State Cartographer's Office/GIO. About 85 people have attended, with about half county representatives.

c. WLIP Grants and Statewide Parcel Map Database Project (Peter Herreid)

- Herreid provided WLIP updates.
 - For grants, because the last state budget maintained the Land Information Fund funding, Base Budget grants were awarded to counties to 100,00 threshold level and Strategic Initiative grants were awarded at the 50k level. Grant applications were due December 31st. Training and Education grant payments were already made, and Base Budget payments are being processed. Strategic Initiative grants are contingent on successful data delivery for the V4 parcel project.
- The call for data for V4 went out in January.
 - In addition to the request for parcel data and other Foundational Element layers to be shared with Robinson Map Library, this year, PLSS corner data was requested.
 - The data will be used to create a statewide PLSS layer.
 - Since 1996 when the last statewide PLSS layer was created, tens of millions of county WLIP funding have gone to modernizing PLSS.
 - An updated statewide PLSS layer would serve as a tool to monitor progress, for the investment that the WLIP makes to PLSS.
 - A statewide layer would also meet some of the user requirements from the GIO survey conducted in fall of 2017, and was a proposal supported by a WLIA legislative white paper as well as a letter from the Wisconsin County Surveyors Association.
 - The PLSS layer deliverable is in addition to the parcel layer and will be created with no significant additional funding.
 - There is concern on the part of counties to have sufficient lead-time for new data requests such as this.
 - Herreid clarified that PLSS request made in Jan. 2018 does not require counties to do significant value-added work, such as many hours of data manipulation. In the future, a data request that requires specific value-added standards be met would come out in advance, such as in the WLIP grant application.
- From the Wisconsin Society of Land Surveyors (WSLS), Dick Kleinmann, employed by Ayres, spoke about upcoming changes to the National Spatial Reference System for the year 2022.
 - New datums from the National Geodetic Survey (NGS) are planned for 2022.
 - Eventually federal data will be in this new datum, and NGS will define new State Plane Coordinates for the states.
 - Working with new coordinate systems can be anticipated to come with challenges, such as replacing older county coordinate systems.
 - The GIS committee of WSLS is charged with raising awareness on the need for new datum. They intend to engage in stakeholder outreach and request feedback from the community.

5. Discussion of WLIC Recommendations Report (Jim Giglierano/Peter Herreid)

- Reference – [WLIC Recommendations Report](#)
- The *WLIC Recommendations Report*, is based in part on a GIS user survey conducted by Giglierano, data demands, current data availability, and a scope limited to what is WLIP-funded county data.
- Although the document is titled *WLIC Recommendations Report*, the document was written by DOA staff, and not the WLIC as a whole. The title was intended to indicate that the recommendations were *to* the members of the WLIC for them to consider.
- A central proposal is the requirement counties to make all future lidar and aerial imagery products funded with WLIP grants available online for download (Recommendation #3).
- Recommendation #4 would require projects dating back to the year 2011 to also be online.

- Counties could use [WisconsinView](#) or another website to fulfill this requirement.
- This assumes that the raster datasets can be posted and maintained online for at least one year for less than \$5,000—as current estimates from vendors expressed to WLIP staff indicate.
- Until all WLIP-funded data is online—DOA could help to obtain data for users, should follow-up with counties be necessary to obtain the data.
- Disagreement was expressed on the provision that the requirement could optionally exclude oblique aerial imagery. This had been based on earlier objections related to software, licensing and contract complications for obliques. But some object to the appropriateness of such an exclusion.
- Any future official grant requirement would appear in advance of its implementation, as it would appear in the WLIP grant application, which is released annually by October 1st.
- DOA will need to firm-up requirements by June 30th, in order for there to be time for the grant application approval process by DOA management.
- Some concern was expressed about whether the recommendations go far enough, as they fall on the side of archiving data and neglect to mention such considerations as live data and streaming data.
- The recommendations were written to be within the scope of the WLIP Program, and could not address all possible needs related to geospatial data.
- Some WLIC members pointed out that that the document fails to set out an explicit long-term or overarching goal; to provide a roadmap for counties to meet their business needs while moving forward in a way that others can follow.
- In Recommendation #8, DOA does ask for outside proposals related to standards for land information, as DOA does not have the capacity to be developing standards in specific areas.
- A related consideration is Next Generation 911 and how future developments in that area might impact data producers.
- A potential need for stakeholder input is the Next Generation 911 subcommittee, where stakeholders will likely need to provide information to Chris Diller for an October 2018 deadline related to requesting funding.
- There is a need to understand whether data sharing requirements would place an undue burden on less resourced counties.
- DOA would like to hear from stakeholders on the specifics of the *WLIC Recommendations Report* by April 30th, 2018.

6. Next Steps/Action Items

- WLIC members: Collect constituent feedback on [Recommendations](#) document and provide to DOA by **April 30th**
- Next WLIA meetings:
 - Spring Regional: **May 30-June 1**, Lake Lawn Resort – Delavan
 - Fall Regional: **October 10-12**, Stone Harbor Resort – Sheboygan

7. Adjourn

- Meeting adjourned at 3:55 p.m.

**Wisconsin Land Information Council
Minutes 2017-11-08**

Meeting Date: Wednesday, November 8, 2017
Time: 2:00 – 4:00 p.m.
Location: [WLIA Fall Regional Meeting](#) | LaCrosse, WI | Radisson
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Dave Addison	Y	Jim Giglierano	Y	Mark Paulat	T	Nathan Vaughn	T
Adam Derringer	Y	Maria Nelson	N	Kris Pelot	T	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	T	Dawn Neuy	N	Cindy Wisinski	T
Dan Frick	N						
Other Attendees							
Keith Butler – Proxy for Maria Nelson (Y)				Brandon Tourtelotte			
Bryan Meyer – Proxy for Dan Frick (Y)				Emily Champagne			
Mike Friis – DOA (Y)				Tony Van Der Wielen			
Peter Herreid – DOA (T)				Peter Strand			
Davita Veselenak – DOA (T)							

1. **Welcome and Introduction** (Adam Derringer)
2. **Approval of [previous meeting's minutes](#)** from 2017-06-02
 - Motion to approve by Veregin, seconded by Meyer
 - Minutes approved
3. **WLIC Business – LION representative and council member succession** (Mike Friis)
 - Thanks to the retiring Don Dittmar for his service, including in his position as the first WLIC chair.
 - LION will announce their recommendation for a new WLIC representative at the LION meeting on Thursday, November 9th.
 - DOA has expressed a desire for the Wisconsin Land Information Council make-up to reflect geographic diversity, and diversity in office capacities. This might, for instance, include a representative of a county that is benefiting from WLIP Base Budget grants.
 - WLIC member appointments made in 2015 will be coming to a close at the end of calendar year 2018.
 - DOA will notify members and organizations when the end of a term is approaching and when it is time to act on a sector's next nominee.
4. **NG911 Subcommittee of the Interoperability Council Representative** (Adam Derringer)
 - The passage of the most recent state budget created a Next Generation 911 Subcommittee of the Interoperability Council under the Department of Military Affairs, where, through the inclusion of a geospatial representative, geospatial needs have been recognized.
 - WLIA President, Emily Champagne, spoke regarding WLIA's nomination process for the subcommittee representative.
 - WLIA created a task force, under the WLIA Technical Committee, to select and support the subcommittee member.
 - WLIA received four applications, and selected Andy Faust from the North Central Wisconsin Regional Planning Commission.
 - The WLIA task force is open to anyone who wishes to participate.

- WLIC members anticipate that Next Gen 911 issues may arise in the near future, including data standards, addresses, and centerlines.

5. V3 Statewide Parcel Map Project Database Final Report (Jim Giglierano)

- The V3 Project successfully aggregated all known digital parcels in the state, with the V3 statewide parcel layer released on July 31st.
- The [final report](#) on the [V3 Statewide Parcel Map Database Project](#) will be coming out by the end of the month.
- The Parcel Initiative has taken the approach of incremental improvement, whereby it has improved with each of the last three iterations.
- The V3 version features improved attribute completeness.
- Since V2, counties have been asked to submit data on annual basis in a standardized format known as the “Searchable Format.”
 - While counties have been making progress in meeting the Searchable Format, in the meantime, SCO has been formatting datasets to meet the Searchable Format standard on behalf of counties.
 - Counties are to achieve the Searchable Format by V4, or the date of March 31, 2018.
- The V4 data request is coming in January. No major changes to the schema are expected. Counties must rectify issues from their V3 Observation Reports.
- As part of V3, the portal [GeoData@Wisconsin](#) has added 457 county datasets. 323 of those are non-parcel, non-zoning datasets.
 - GeoData@Wisconsin is organized for discovery, maintained by a librarian who writes complete metadata, and serves an archival function.
 - The librarian for GeoData@Wisconsin, Jaime Martindale, has collected large numbers of datasets through the years. Because in the past not all of the data was open to the general public, Martindale has followed-up with counties to ask if the datasets can be opened up for public use.

6. Repository Survey Effort (Jim Giglierano)

- Reference – Handout from Jim Giglierano, [WLIC110817notes.pdf](#)
- GIO Jim Giglierano conducted a survey, the “[Wisconsin GIS Data Distribution System USER Survey](#),” in October.
- The survey was selected as a starting point for the GIO’s geospatial data committee and recommendations report that is to be completed by December 31st, per a WLIC motion passed:
 - **Recap of Motion 2017-03-24-04:**
 - *The council authorizes the GIO to establish a geospatial data committee to make recommendations as to a statewide data repository and portal, to make a recommendation by December 31, 2017. This committee should seek broad stakeholder input from data producers and consumers.*
- The GIO selected a user survey as a starting point for a few reasons. Projects in Wisconsin’s geospatial community on a central portal/repository dating back to at least 2000 did not always begin with a strong accounting of user needs.
- The survey received approximately 200 responses.
- Respondents might be divided into roughly three groups: 1) Counties, 2) Businesses, and 3) Everyone Else (state agencies, municipalities, and others).
- The handout, [WLIC110817notes.pdf](#), depicts the results of the initial survey data analysis.
- The data speaks to themes on the uses of data, the challenges of accessing it, the need for data that is up-to-date and authoritative, and other issues.
- There seems to be high need for parcels, orthos, and topos, as well as wetlands, soils, and PLSS—although layers appear in different positions of desirability depending on how the question is asked.
- Giglierano intends for the survey data to help plan next steps.
- With progress made in growing LiDAR coverage through 3DEP, Wisconsin is finally nearing the completion of LiDAR coverage for the state. There are 7 counties going into proposal for next year’s 3DEP application. It fills in the last 4 holes in our state coverage. FEMA will do 3 of Wisconsin’s 10 counties in need of LiDAR data first.
- After parcels, LiDAR is another success story. But it raises the question of whether and how to get all of the data into one place so it will be used by more people.
- Council members asked how the survey relates to the recommendations that are to be made by December 31st.
- Some council members expressed disappointment on the progress of the geospatial data committee, although Wisconsin’s history of fraught work on a portal/repository covers about 27 years.

- Motion #2017-03-24-04 on the WLIC geospatial data committee was designed to be a compromise, and did not specifically address the composition and specific areas for the committee to cover.
- According to the meeting minutes from March ([WLIC_Minutes_2017-03-24](#)):
 - “Potential committees might examine funding, governance, and technical issues.”
- The committee can examine all of the relevant issues, which are interconnected, in parallel, as it moves forward.

7. Discussion on Future of the WLIP (Adam Derringer)

- In a discussion of the future of the program, several ideas were offered.
- Bryan Meyer suggested the issue of county surveyors and a statewide PLSS layer.
- Mike Friis responded that DOA has prioritized parcel work, but is considering how to take a next step related to parcels and PLSS.
- Some council members suggested looking back at the *WLIP Program Plan: 2016-2020*.
- Regarding an ideal timeline for defining new benchmarks, DOA has said it is always a good time to work on such things (e.g., through the *WLIP Program Plan: 2016-2020*), but DOA has expressed a preference for standards that are driven by statewide business needs.
 - Statewide needs and business use cases would have to be a key driver if something were to become a grant requirement in the future.
- Other issues mentioned included the differences with the DOR XML file and the parcel requirements, improvements for the real estate industry’s Multiple Listings Service, making data more available, a review of legislation, putting county raster datasets online as an extension of a vendor contract, as Ayres Associates has done, planimetric data, and addressing.
- Don Dittmar expressed gratitude for support in the time he served as WLIC Chair.

8. Next Steps/Action Items

- Next WLIA meeting: [WLIA Annual](#), March 7-9, 2018, Osthoff Resort, Elkhart Lake, WI
- Jim Giglierano: Work on recommendations based on user survey for December 31, 2017

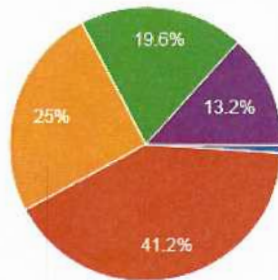
9. Adjourn

- Meeting adjourned at 3:49 p.m.

Appendix. WLIC110817notes.pdf

1.1 Are you a GIS data producer, a GIS data user/consumer, or somewhere in between? Check the statement that best describes you.

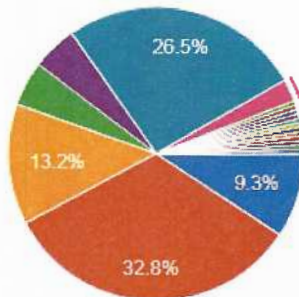
204 responses



- I produce all my own data and have no need for data produced by some...
- I sometimes need data from other sources outside my own agency or...
- I produce about half of the data I need and get the rest from other sources
- I mostly need data from other sources but not always
- I am totally dependent on data from other sources outside my own agen...

1.3 What is your organization:

204 responses

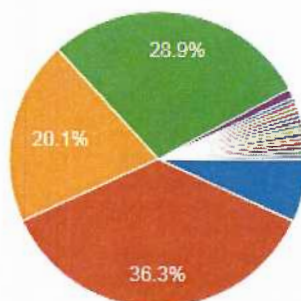


- Municipal government
- County government
- State agency
- Federal agency
- College or university
- Business
- Non-profit
- Davita's_test_one

▲ 1/3 ▼

1.5 What is the geographic scope of your GIS activities?

204 responses

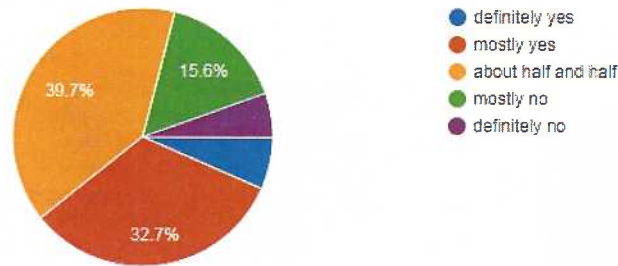


- Limited area - small projects or indi...
- Single city or county or region of the...
- Multiple cities or counties or regions...
- Entire state
- Entire US
- Mostly single county
- Midwest US
- United States and Territories and P...

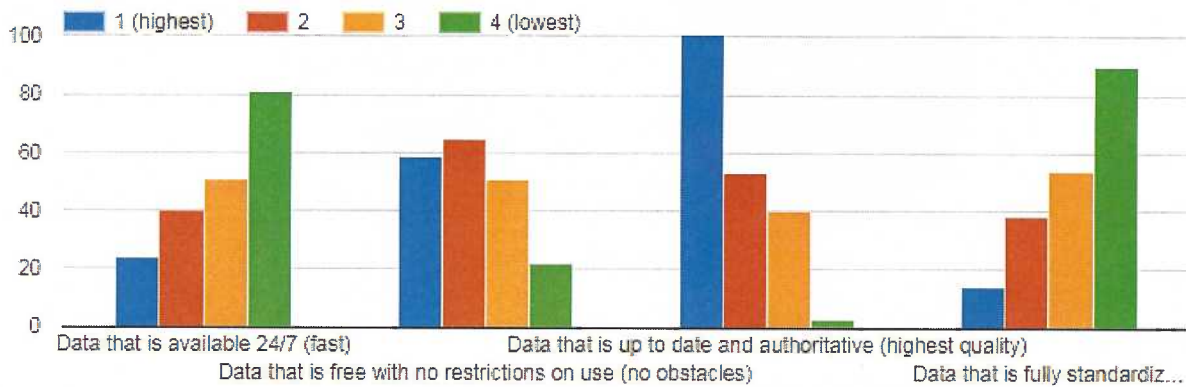
▲ 1/3 ▼

3.1 I find the current array of individual agency and university repositories and portals sufficient for my purposes:

199 responses

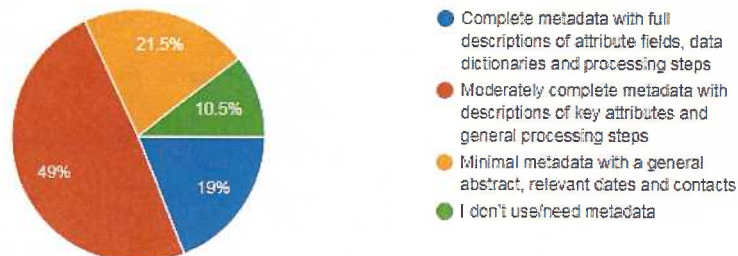


3.4 Sometimes there are trade-offs between what you want, and what is actually possible with available resources. Rate the following statements in order of importance to you, from highest = 1, lowest = 4:



2.6 What level of metadata do you find necessary in order to properly use someone else's data?

200 responses



Question 2.1 List up to five of your most critical layers that you need from other sources

Business responses (n=59)	First	Second	Third	Fourth	Fifth	Totals
Parcels	18	8	3	2	2	33
Orthos	19	6	2	4	1	32
Topo	7	8	10	2	2	29
Wetlands	1	3	4	4	2	14
Address	0	1	3	0	2	6
Hydro	1	4	3	1	3	12
Soils	0	1	2	2	1	6
Streets	1	3	5	7	1	17
PLSS	0	3	1	4	0	8
Boundaries	1	2	0	2	2	7
Floodplains	0	0	0	0	2	2

County responses (n=68)	First	Second	Third	Fourth	Fifth	Totals
Parcels	6	4	3	2	1	16
Orthos	6	3	5	1	3	18
Topo	2	1	1	1	3	8
Wetlands	7	3	1	0	1	12
Address	5	8	2	1	1	17
Hydro	6	2	4	3	1	16
Soils	1	2	3	1	1	8
Streets	9	6	3	5	2	25
PLSS	1	0	0	1	0	2
Boundaries	0	1	1	3	0	5
Floodplains	4	6	3	0	0	13

All other responses (n=65)	First	Second	Third	Fourth	Fifth	Totals
Parcels	17	8	5	0	2	32
Orthos	9	5	9	2	3	28
Topo	9	7	5	2	1	24
Wetlands	2	3	3	2	1	11
Address	0	5	1	2	0	8
Hydro	2	2	1	2	1	8
Soils	1	3	2	3	2	11
Streets	6	6	4	5	1	22
PLSS	1	1	0	2	1	5
Boundaries	1	3	4	1	3	12
Floodplains	0	1	2	2	1	6

Repeated layers	BIZ	COUNTY	ALL OTHER	Totals
Parcels	33	16	32	81
Orthos	32	18	28	78
Streets	17	25	22	64
Topo	29	8	24	61
Wetlands	14	12	11	37
Hydro	12	16	8	36
Address	6	17	8	31
Soils	6	8	11	25
Boundaries	7	5	12	24
Floodplains	2	13	6	21
PLSS	8	2	5	15

From Question 2.3 – Need for Foundational Layers

Count of 2.3 Elevation need		Column Labels		Moderate to slight need		No need		Grand Total	
Row Labels		Critical or high need		Moderate to slight need	No need	Grand Total			
Agricultural Testing Laboratory									
also university	1					1			1
Business	31		16		6	53			53
College or university	8			1	2	10			10
Consultant									
County government	29		29		6	64			64
Federal agency	8		2			10			10
Municipal government	11		8			19			19
Non-profit	2		2		1	5			5
Non-Profit & University	1					1			1
Private Forestry					1	1			1
Public Utility	1		1			1			1
Regional									
Retired PLS									
RPC									
State agency	10		11		5	26			26
Title Company					1	1			1
Title Insurance Company					1	1			1
Grand Total	102		73		23	198			198

Count of 2.3 Land ownership need		Column Labels		Moderate to slight need		No need		Grand Total	
Row Labels		Critical or high need		Moderate to slight need	No need	Grand Total			
Agricultural Testing Laboratory									
Business			46		7	53			53
College or university			5		5	10			10
Consultant					1	1			1
County government			60		4	64			64
Federal agency			7		3	10			10
Municipal government			16		2	19			19
Non-profit			4		1	5			5
Non-Profit & University			1			1			1
Private Forestry			1			1			1
Public Utility			1			1			1
Regional			1			1			1
Retired PLS			1			1			1
RPC			1			1			1
State agency			20		6	26			26
Title Company			1			1			1
Title Insurance Company			1			1			1
Grand Total			167		29	197			197

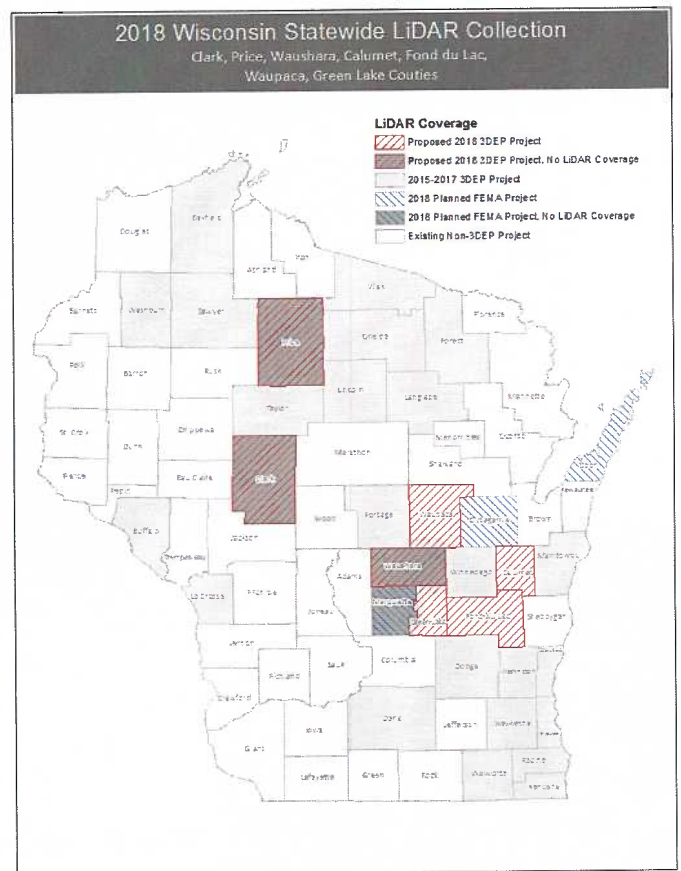
Count of 2.3 Transportation need		Column Labels		Moderate to slight need		No need		Grand Total	
Row Labels		Critical or high need		Moderate to slight need	No need	Grand Total			
Agricultural Testing Laboratory									
Business	40		11		2	53			53
College or university	6		2		2	10			10
Consultant	1					1			1
County government	57		6		1	64			64
Federal agency	4		5		1	10			10
Municipal government	18				1	19			19
Non-profit	1		3		1	5			5
Non-Profit & University	1					1			1
Private Forestry	1					1			1
Public Utility	1					1			1
Regional	1					1			1
Retired PLS	1					1			1
RPC	1					1			1
State agency	16		10			26			26
Title Company					1	1			1
Title Insurance Company	1					1			1
Grand Total	151		38		8	197			197

Count of 2.3 Orthimagery need		Column Labels		Moderate to slight need		No need		Grand Total	
Row Labels		Critical or high need		Moderate to slight need	No need	Grand Total			
Agricultural Testing Laboratory									
also university									
Business			52			52			52
College or university			8			8			8
Consultant									
County government			49		15	64			64
Federal agency			9		1	10			10
Municipal government			17		2	19			19
Non-profit			4		1	5			5
Non-Profit & University			1			1			1
Private Forestry			1			1			1
Public Utility			1			1			1
Regional			1			1			1
Retired PLS			1			1			1
RPC			1			1			1
State agency			16		7	23			23
Title Company					1	1			1
Title Insurance Company			1			1			1
Grand Total			162		32	198			198

Count of 2.3 Address need	Column Labels	Count of 2.3 Address need	Moderate to slight need	No need	Grand Total
Row Labels	Critical or high need				
Agricultural Testing Laboratory			1	1	1
Business	21	25	7	53	10
College or university	3	1	1	10	1
Consultant		1		65	
County government	57	8		10	19
Federal agency	1	3	6	1	5
Municipal government	17	1	1	1	1
Non-profit	2	2	1	1	1
Non-Profit & University	1		1	1	1
Private Forestry			1	1	1
Public Utility	1			1	1
Regional	1			1	1
Retired PLS	1			1	1
RPC	13	8	5	26	1
State agency	1			1	1
Title Company	1			1	1
Title Insurance Company	1			1	1
Grand Total	121	54	23	198	

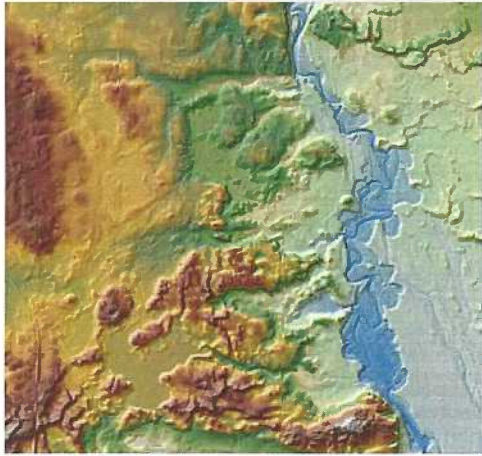
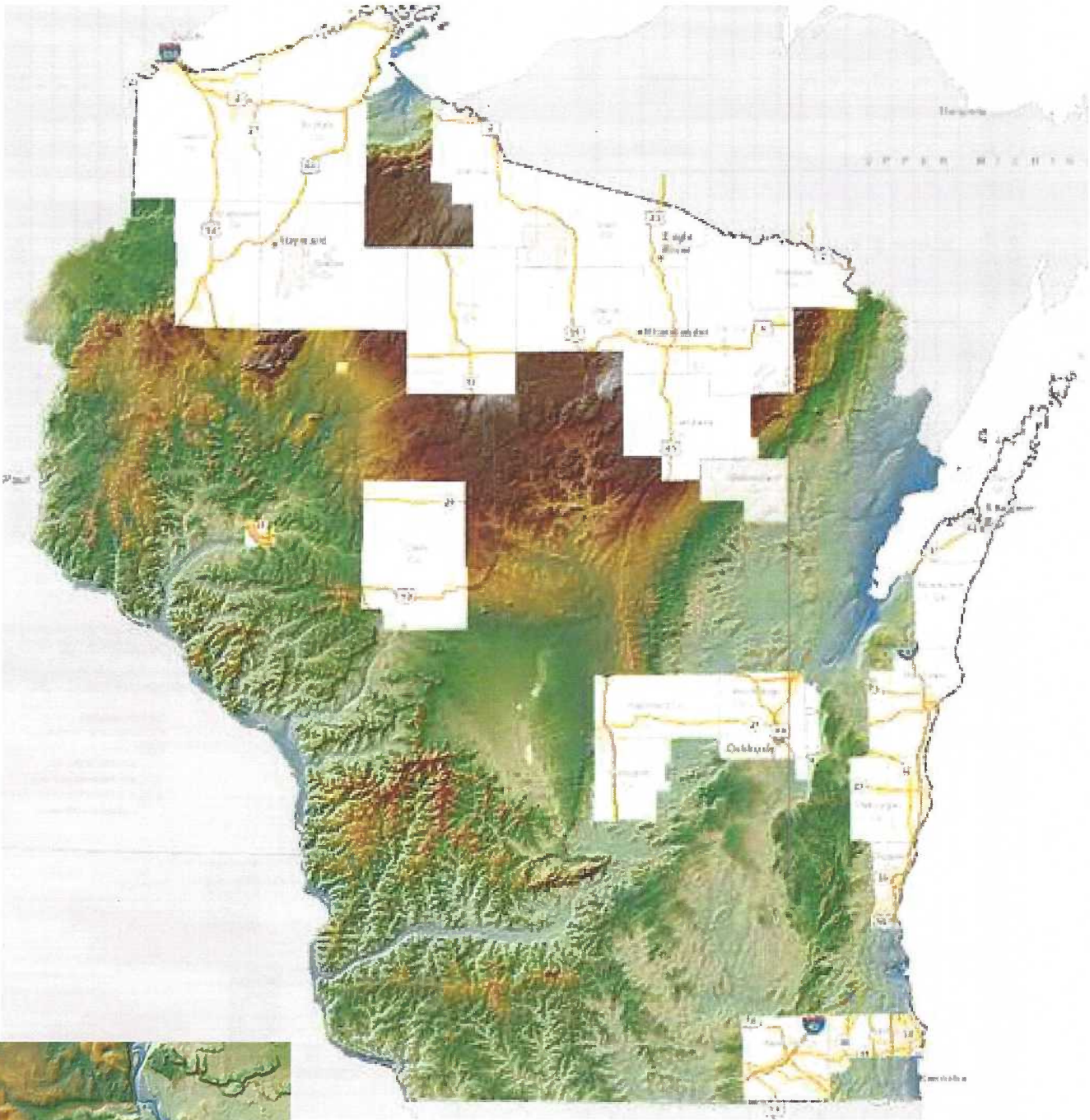
Count of 2.3 PLS need	Column Labels	Count of 2.3 PLS need	Moderate to slight need	No need	Grand Total
Row Labels	Critical or high need				
Agricultural Testing Laboratory			1	1	1
Business	25	22	6	53	10
College or university	2	5	3	10	1
Consultant	1			64	
County government	49	12	3	10	19
Federal agency	4	4	2	2	5
Municipal government	11	6	2	1	1
Non-profit		3	2	1	1
Non-Profit & University	1		1	1	1
Private Forestry	1		1	1	1
Public Utility	1			1	1
Regional			1	1	1
Retired PLS		1		1	1
RPC	11	9	6	26	1
State agency			1	1	1
Title Company	1			1	1
Title Insurance Company	1			1	1
Grand Total	107	64	26	197	

2018 Lidar Proposal to 3DEP



Count of 2.3 Admin bdrfy need	Column Labels	Count of 2.3 Admin bdrfy need	Moderate to slight need	No need	Grand Total
Row Labels	Critical or high need				
Agricultural Testing Laboratory			1	1	1
Business	24	22	7	53	10
College or university	7	2	1	10	1
Consultant		1		64	
County government	44	13	7	10	19
Federal agency	15	9	1	5	1
Municipal government	1	3	1	1	1
Non-profit	1	4		1	1
Non-Profit & University	1		1	1	1
Private Forestry			1	1	1
Public Utility	1			1	1
Regional	1		1	1	1
Retired PLS	1			1	1
RPC	19	4	3	26	1
State agency			1	1	1
Title Company	1			1	1
Title Insurance Company	1			1	1
Grand Total	114	62	21	197	

WDNR high resolution DEM and hill shade web services. Uses 3 meter DEM mosaic from NRCS, 2 meter and 5' DEMs from WisconsinView. Derived from county WROC, 3DEP and FEMA lidar projects.



Near town of Breed, Oconto County.

**Wisconsin Land Information Council
Minutes 2017-06-02**

Meeting Date: Friday, June 2, 2017
Time: 2:00 – 4:00 p.m.
Location: [WLIA Spring Regional Meeting](#) | Fond Du Lac, WI | Holiday Inn
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Dave Addison	Y	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	N
Adam Derringer	Y	Maria Nelson	Y	Kris Pelot	Y	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	T	Dawn Neuy	T	Cindy Wisinski	T
Daniel Frick	N						
Other Attendees							
Peter Herreid – DOA (Y)			Eric Damkot – Washington County (Y)				
Davita Veselenak – DOA (Y)			Adam Dorn – City of Oshkosh (Y)				

1. Welcome and Introduction (Adam Derringer)

- Welcome new council members: Dawn Neuy (We Energies) and Dave Addison (RPL, Dodge County)

2. Approval of [previous meeting's minutes](#) from 2017-03-24

- Motion to approve by Veregin, seconded by Dittmar
- Minutes approved

3. Vote on Vice-Chair

- Nomination of Howard Veregin to position of Vice Chair by Paulat, seconded by Addison
- The vote was: 8 Ayes, 0 Nays, 1 Abstain (Veregin)
- Veregin elected Vice Chair

4. Next Generation 9-1-1 Update (Maria Nelson)

- Nelson gave an update on Next Generation 9-1-1—an integrated dispatch system that would be designed to work throughout the state via internet-based protocols and integrate new technology like text, video, and photos.
- The NextGen 9-1-1 Workgroup for Wisconsin State Interoperability Council released a plan for Next Generation 9-1-1:
[Wisconsin Statewide NG 9-1-1 Plan](#) (May 11, 2017)
- There has been an amendment to the state budget bill:
[MILITARY AFFAIRS: Wisconsin Interoperability System for Communications \(WISCOM\) and a Statewide 911 System](#) (May 9, 2017)
- That motion passed the Joint Committee on Finance unanimously
- It would create an appropriation in the Department of Military Affairs (DMA) emergency management services program to support operations for the Interoperability Council, and create a 19-member 911 Subcommittee that is attached to DMA.
- Most of the funding would be dedicated to the ESInet (Emergency Services IP-based Network) component.
- Representing land information interests on the NextGen 9-1-1 Workgroup are Chris Diller (State GIS Subject Matter Expert); Andy Faust (Local GIS Subject Matter Expert); Justin Conner (Wisconsin Land Information Association); and GIO Jim Giglierano.

- The WLIA Board has not nominated anybody as of the close of the June 2 Board meeting (as reported by Eric Damkot), but the legislation states the 911 Subcommittee will include a member who is “an individual recommended by an association of land information professionals.”
- At the national level, there is not yet agreement on the national level on standards for Next Generation 9-1-1.
- In the future, emergency service layers, property addresses, addressing of multi-unit dwellings, and building footprint information, and other GIS data will likely be important.

5. Future WLIC Efforts (Jim Giglierano)

- The GIO posed the question of priorities and subject areas to focus on first.
- He suggested that perhaps it is time to figure out a process—like a strategic planning process or business planning process.
- At the meeting of the WLIC on March 24, 2017, the Council passed a motion that GIO should create a committee to make recommendations on a statewide repository/portal.
 - **Recap of Motion 2017-03-24-04:**
 - *The council authorizes the GIO to establish a geospatial data committee to make recommendations as to a statewide data repository and portal, to make a recommendation by December 31, 2017. This committee should seek broad stakeholder input from data producers and consumers.*
- There was agreement from council members that the GIO should create a group to examine the question of a statewide repository/portal, and defer the matter of 9-1-1, as it likely will not require action until down the road.
- It would be up to the GIO to decide to what degree the group would focus on data, technical matters, governance, etc.
- In the *WLIP Program Plan: 2016-2021*, there is an amount labeled “Open Data/Facilitation of Access to County Data.”
- The item is part of a budget projection for the WLIP—NOT a “line item.”
- The amount is the end result of a calculation. That calculation first takes into account WLIP base budget grants, Strategic Initiative grants, Training and Education grants, administrative costs, and Statewide Parcel Map Database Project costs.
- The difference, after subtracting the above costs above from projected revenue, is what is labeled “Open Data/Facilitation of Access to County Data.”
- Thus there is potential room there for projects related to data access, but they would have to be consistent with statutory duties for DOA, statutory authority for spending, and the approval of DOA management.
- There was discussion of increasing meeting frequency and what the Council members would like to be doing.

6. Next Steps/Action Items

- Council members: If not already completed, complete the *WLIC Member Opinion Survey 2017*
- Derringer: Share results of *WLIC Member Opinion Survey 2017* with DOA/WLIC
- GIO: Establish a geospatial data committee
- Next meeting: TBD. One hour conference call with date to be determined by Doodle poll
- Next WLIA: WLIA fall regional November 9-10 at the Radisson in La Crosse

7. Adjourn

- Meeting adjourned at 3:41 p.m.

**Wisconsin Land Information Council
Minutes 2016-03-24**

Meeting Date: Friday, March 24, 2017

Time: 1:00 – 3:00 p.m.

Location: Department of Administration | Conference Room 924A | 101 E Wilson St, 9th Floor

Remote ID: <https://global.gotomeeting.com/join/770613845>

Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Al Brokmeier	Y	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	T
Adam Derringer	Y	Maria Holl	N	Kristeen Pelot	N	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	N			Cindy Wisinski	N
Daniel Frick	N						
Other Attendees							
Mike Friis – DOA (Y)				Brandon Tourtelotte (Y)			
Peter Herreid – DOA (Y)				Dean Larson (Y)			
Davita Veselenak – DOA (Y)				Peter Strand (Y)			
Jodi Helgeson – Proxy for Wisinski (T)				Justin Connor (T)			
Fred lausly (Y)				Andy Erdman (T)			
Colter Sikora (T)							

1. Welcome and Introduction

2. Approval of [previous meeting's minutes](#) from 2016-11-21

- Motion to approve by Derringer, seconded by Veregin
- Minutes approved

3. WLIC Appointment Cycle

- Proposed revision to bylaws
 - **Motion 2017-03-24-01:**
 - A motion was made by Dittmar, seconded by Brokmeier, to amend the bylaws “Terms and Vacancies” section.
 - The motion passed unanimously by voice vote. (Bylaws posted online at doa.state.wi.us/Documents/DIR/Land_Information/Council/WLIC_Charter_and_Bylaws.pdf.)
- Nominations for new Chair
 - **Motion 2017-03-24-02:**
 - A motion was made by Brokmeier, seconded by Paulat, to nominate Adam Derringer as WLIC Chair.
 - Motion to close nominations by Helgeson, seconded by Paulat.
 - The motion to elect Derringer as Chair passed unanimously by voice vote.
- Composition of council and state/federal representation deferred to Other Business

4. 2016 WLIP Survey Results – Revisions to 2018 Benchmarks

- The 2016 WLIP Survey results led DOA to rethink some of the benchmark concepts from the survey.
- Based on survey responses, DOA seeks to remove “Benchmark Set II – Open Data” from the 2018 WLIP grant application. Therefore, the Ordered/Table List concept will **not** go forward as proposed in the survey.
- In the near-term, data access will be facilitated by collaboration with Robinson Map Library, a data sharing provision for aerial imagery/lidar to be explicit in 2018 WLIP grant application, and through communication with entities like state agencies, on specific difficulties in obtaining county land info data.
 - Robinson Map Library Geoportal, [GeoData@Wisconsin](#) – Other Layers of county data (collected with parcel data request) archived and made available for public download, beginning 2017. Includes rights-of-way, street centerlines, hydrography, address points, building footprints, land use, and parks/open space/trails/other recreational data.
 - The other layers are required—at a minimum if they were grant-funded.
- Data sharing provision for aerial imagery/lidar to be explicit in 2018 WLIP grant application.
- DOA would like to know about any **specific** difficulties in obtaining county land info data.
 - This would include specifics of any outstanding request data, including what data was requested of whom and other pertinent details.
 - DOA would also like to hear from counties if they have documentation of duplicate data requests from state agencies.
- **Motion 2017-03-24-03:**
 - A Motion was made by Dittmar, seconded by Veregin:
 - *Remove the Benchmark II-Open Data requirement from 2018 grant application but leave it as benchmark goal for the Program.*
- The motion passed unanimously by voice vote.

5. Proposed New 2018 Benchmarks (Mike Friis/Peter Herreid)

- DOA is offering a simplified version of benchmarks from the 2016 WLIP survey, minus the Ordered Table/List concept:
 1. Parcel and Zoning Data Submission – All counties will have met by March 31, 2018 and will need to continue to meet going forward.
 2. Extended Parcel Attribute Set Submission – All counties will have met by March 31, 2018 and will need to continue to meet going forward.
 3. Completion of County Parcel Fabric
 4. Completion and Integration of PLSS
 - Waiver: Acquisition of Aerial Imagery Base Products
 - Waiver: Acquisition of Lidar Base Products
- Although all counties must meet the Searchable Format for parcels by March 31, 2018, there may be ongoing costs to keep achieving the Searchable Format. This will still be an eligible cost for Strategic Initiative grants.
- There will be an option for a waiver for counties to acquire aerial imagery/lidar, however, the specs from the survey for orthos and lidar will **not** be required.
 - The survey data showed there was not widespread acceptance of the specs offered. Enforcing the parcel specs take a lot of time. DOA is not able to do that at that level for aerial imagery/lidar. There were not well-documented state business use cases for requiring those particular specs.
- A request was made for DOA to publish the parcel specs sooner than January 31st, instead by the end of November, to facilitate the submission of end-of-the-year parcel and tax roll data.

6. Strategic Priorities and Statewide Portal/Repository

- Discussion focused on the need for both technical and policy aspects to be considered.
 - The GIO has been considering the portal/repository issue, where he views funding and scope to be crucial questions.
 - LION has come up with a proposal to put a repository project at LTSB.
 - WLIA has offered assistance by way of its technical committee.

- The GIO would want the help of the council with the higher level functions of any potential committee.
- Potential committees might examine funding, governance, and technical issues.
- **Motion 2017-03-24-04:**
 - A motion was made by Veregin, seconded by Dittmar:
 - *The council authorizes the GIO to establish a geospatial data committee to make recommendations as to a statewide data repository and portal, to make a recommendation by December 31, 2017. This committee should seek broad stakeholder input from data producers and consumers.*
- The motion passed unanimously by voice vote.

7. Discussion/Other Business

- Paulat made a motion for additional seats to be added to the WLIC, to account for distinct federal representation, such that there would be two state and two federal representatives.
- The WLIC charter specifies there is one “state or federal” representative (not “state *and* federal”).
- DOA leadership would have to approve a change in the composition of the council.
- Paulat’s motion tabled.

8. Next Steps/Action Items

- Mike Friis/DOA – See DOA leadership about additional seat(s) on the council
- GIO to establish a geospatial data committee
- Nominations for WLIC Chair to be solicited via email, until June 2 meeting when vote will occur
- Next meeting: Friday June 2, 2:00 p.m. at [WLIA spring regional](#) in Fond du Lac

9. Adjourn

- Meeting adjourned at 3:11 p.m.

**Wisconsin Land Information Council
Minutes 2016-11-21**

Meeting Date: Monday, November 21, 2016
Time: 1:00 – 4:00 p.m.
Location: Department of Administration (please r.s.v.p. and bring photo ID)
 Conference Room 924A | 101 E Wilson St, 9th Floor
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Al Brokmeier	T	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	N
Adam Derringer	Y	Maria Holl	N	Kristeen Pelot	T	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	T	Tim Statz (retired)	N	Cynthia Wisinski	T
Daniel Frick	N						
Other Attendees							
Mike Friis – DOA (Y)				Joe Dwyer – DOA (Y)			
Peter Herreid – DOA (Y)				Ryan Squires – LTSB (Y)			
Davita Veselenak – DOA (Y)				AJ Wortley – SCO (T)			
Sam Batzli – UW-Madison SSEC (T)				Jaime Martindale – UW-Madison RML (T)			

1. Welcome and Introduction (Don Dittmar)

2. Approval of [previous meeting's minutes](#) from 2016-08-01

- Motion to approve by Adam Derringer, seconded by Al Brokmeier
- Minutes approved

3. 2016 WLIP Survey Questions on Benchmark Standards & 4. Discussion

Summary of discussion as captured incompletely by WLIP staff (not a list of WLIC motions passed or commitments made by DOA):

- Purpose of the survey is to help define and gather input on 2018 benchmarks.
- Draft survey content will be a more detailed version of benchmark content of the [WLIP Program Plan: 2016-2021](#), but the format may include the content broken up into segments with questions and comment spaces.
- Discussion of typical survey format, of how the 2016 WLIP Survey would be different.
- The 2016 WLIP Survey would be mandatory for LIOs and anyone else interested would be welcome to fill it out.
- Survey is distinct from than the annual expenditure report required of counties ([County Retained Fee/Grant Report](#)), which is still required.
- Additional standards for other layers would be more geared toward 2019 grants.
- Tentative Timeline
 - Release the survey by November 30. It will be open until December 16.
 - WLIC will then review the survey data and decide whether follow-up meetings or other actions are necessary.
 - In addition to the survey, there is a public comment on a more advanced version of the draft 2018 Strategic Initiative grant benchmarks period scheduled for February 2017.
 - June 30 is the deadline for benchmark finalization for DOA management's consideration.

BENCHMARK SET I – PARCELS

- The term “parcel fabric” can have multiple meanings. Future communications should be clear that the Esri model is not what is meant by parcel fabric for WLIP benchmarks.

BENCHMARK SET II – OPEN DATA

- Basic idea of benchmark to ask counties to put WLIP-funded data they have online available for download (if they have it), with basic minimum requirements for metadata.
- For allowable fees, state statute [59.43\(2\)\(c\)](#) should be added, as it allows RODs to enter contracts to release documents.
- WFS option – definition should be more clear that that it could be a read-only feature service (no changing of parent data in the service), with download capability.
- “Downloadable” definition should be clear that there is a basic download option (e.g., via FTP). WFS with download capability is one of the subset of download options.
- “Data” definition – includes Foundational Element layers from [2015 Uniform Instructions for Preparing County Land Information Plans](#).
- Still to be determined – how to best organize and standardize the ordered table/list.
- There are many implementation details to be thought out, such as the differences between “layers” that are attributes versus polygons, or multiple layers maintained as one feature class, etc.
- WLIP Portal – the open data benchmark addresses the concept of a portal, as it would serve as one point of access to all 72 county ordered table/lists.
 - Survey language should be clear that the first version of a WLIP Portal could serve as an intermediary step to a more comprehensive statewide geoportal/repository solution to the land information community’s data access needs.

BENCHMARK SET III – MENU OF OPTIONS

Set III Menu Option – Completion and Integration of PLSS

- On the topic of prioritization and coordination along county boundaries, some still argue that county and state boundaries should be prioritized, while there is also the reality of varied county methodologies in progress and a desire to not upend county processes.
- The [WLIP grant application](#) specifies that a county must have a “Plan for PLSS Completion,” which directs counties to collaborate with neighboring counties.
- *PLSSFinder* could be used to get tie sheets online to meet benchmark requirements.

Set III Menu Option – Acquisition of Aerial Imagery Base Product Set

- Survey should be clear that the county can host its own imagery, along with the third-party hosting option.
- Obliques, a licensed product, are not addressed in the draft benchmark specs from the *Program Plan*.
- Discussion of how obliques could meet open data requirement with software solutions.

Set III Menu Option – Acquisition of Lidar Base Product Set

- Survey should be clear that the county can host its own lidar data, along with the third-party hosting option.
- Minimum standard should be for hydro breaklines (not just breaklines).
- Under the *Program Plan* specs, there is no accuracy standard for lidar, such as the American Society for Photogrammetry and Remote Sensing lidar standard for vertical/horizontal accuracy.
- Note that specs for USGS/FEMA change frequently.

Set III Menu Option – Other Layers

- The last survey section would be for both other layers and other potential parcel benchmarks.
- Consideration should be given to systems, the integration of system components, and maintenance.
- An option is to ask an open-ended question about a “dream” vision for the Program.

6. Next Steps/Action Items

- Next meeting: Likely February 24 at [WLIA annual conference](#) at Chula Vista Resort, Wisconsin Dells
- Dittmar: Consider presenting a WLIC status update at the town hall meeting at WLIA annual
- DOA: Send listserv email to announce survey

7. Adjourn

- Meeting adjourned at 3:20 p.m.

**Wisconsin Land Information Council
Minutes 2016-08-01**

Meeting Date: Monday, August 1, 2016
Time: 2:00 – 4:00 p.m.
Location: Department of Administration (please r.s.v.p. and bring photo ID)
 Conference Room 924A | 101 E Wilson St, 9th Floor
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Al Brokmeier	T	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	T
Adam Derringer	T	Maria Holl	N	Kristeen Pelot	N	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	Y	Tim Statz	N	Cynthia Wisinski	N
Daniel Frick	Y						
Other Attendees							
Mike Friis – DOA (Y)				Brandon Tourtelotte (T)			
Peter Herreid – DOA (Y)				Dean Larson (T)			
Davita Veselenak – DOA (Y)							

1. Welcome and Introduction (Don Dittmar)

2. Approval of previous meeting's minutes

- Motion to approve by Derringer, seconded by Veregin
- Minutes approved

3. Overview of WLIP Draft 3 Program Plan (Herreid)

- In composing Draft 3, DOA took into consideration motions passed, public feedback, comments and discussion, and additional research by WLIP staff.
- Details of implementation were not included in Draft 3, as they will be left to future efforts.
- Herreid gave a summary of WLIC motions from the June 8th meeting as they relate to Draft 3.
 - **Recap of Motion 2016-06-08-01:**
 - Eliminate the priorities such that open data, PLSS, lidar and aerial imagery have the same priority when using Strategic Initiative grant funding.
 - This was addressed by putting PLSS on the same level as lidar and aerial imagery in the benchmark hierarchy. Open data was prioritized over the other benchmarks to ensure access to WLIP-funded in the public domain, as the WLIC requested in previous motions passed.
 - **Recap of Motion 2016-06-08-02:**
 - The draft plan incorporate a statement that through the WLIC that a process will be put in place to incorporate stakeholder input to identify strategic priorities, for both the priority elements that are identified in this program plan and for the future, i.e., post-2020. This effort is to be led by the state GIO. This assessment should include consideration of standards, benchmarks, and funding allocation models.
 - The plan includes a statement that it should be reviewed and amended as necessary on an annual basis, comprehensively updated at least every three years, and that this will include a consideration of additional strategic priorities, standards, benchmarks, and funding allocation models.
 - Draft 3 did not lay out a specific model or framework for these future plan update processes. A future planning process could better be defined when that process is about to begin. It is assumed

the WLIC will play a strong role in defining future planning processes along with the community and stakeholder groups.

- In Draft 3, DOA added a detailed section to document the planning efforts of the program since Act 20 of 2013. While not labeled as “strategic planning” as it was conducted, DOA attempted to engage in strategic planning tasks as described.
- There is also the possibility of future strategic planning broader than what is in this plan. However, DOA did not want to include a commitment in this plan to meet vague, yet high expectations, for future planning with purposes yet to be clearly defined. However, this is not meant to preclude possibilities.
- Draft 3 was also revised to highlight that other benchmark standards could be created and adopted by the WLIP for categories other than those named—which are parcels, PLSS, open data, lidar, and aerial imagery. Counties could also potentially be eligible to use their Strategic Initiative grant funding to achieve new benchmark standards.
- Community members and stakeholder organizations could lead in the development of additional standards. DOA added specific solicitation on page 8 of the plan that gives guidelines for the creation of additional standards. For example, this could be for address points, road centerlines, hydrography, or other GIS datasets.
- Finally with regard to staff roles, DOA felt that it would not be appropriate to spell out staff roles for individual staff members at DOA years into the future in this plan. This would in effect preempt the role of DOA management, which it is not assumed the WLIC intended. The GIO will certainly have the opportunity to lead in any number of areas of his choosing, such as most immediately the development of benchmark standards for lidar and aerial imagery, and other matters on which he communicates.

- **Recap of Motion 2016-06-08-03:**
 - *The GIO can continue to explore a statewide repository/portal solution.*
- A statement was added to this effect.

- **Recap of Motion 2016-06-08-06:**
 - *Extend the title of the WLIP Program Plan to 2021.*
- This change was made.

- **Recap of Motion 2016-06-08-07:**
 - *Match horizontal and vertical specs for lidar going forward. Looking back, make sure that recent lidar projects still count as meeting the benchmarks, such as FEMA, CDBG, or USGS.*
- Draft 3 left the exact specifications of the lidar benchmark standards to be developed by the GIO over the course of the next year.
- The implementation timeline is as follows: standards for WLIC and community review by WLIA conference in February. This will include additional parcel benchmarks—such as, for example, classification of publically-owned lands—plus new benchmarks for open data, lidar, and aerial imagery. Between now and February, DOA will continued doing research and possibly conducting other means of stakeholder and community engagement. That is in addition to everything else, including a report to the legislature on the Parcel Initiative, finishing V2 and starting V3, and releasing the 2017 grant application with benchmarks and assessment measures.

4. Discussion of **public comments on Draft 3 (Dittmar)**

- Discussion topics included:
- Assessment of county progress in meeting Strategic Initiative benchmarks, which is occurring for the Version 2 Statewide Parcel Map Database Project via DOA/SCO assessment of county data and reporting in a template observation report to accompany grant application
- PLSS accuracy classifications and potentially revisiting the sub-meter and approximate category definitions
- A geoportal and repository: WLIP Portal described in the plan as a central point of access to WLIP-funded data versus a larger geoportal/repository
- Potential workgroup to study and make recommendations to funding formula, including potential land area calculation
- Definition of open data to be included in the plan
- Additional topics to address beyond the scope of the Draft 3 WLIP Program Plan 2016-2021, such as a “Wisconsin geoportal,” identification of additional strategic priorities, priorities beyond 2020, a broader strategic plan, and other possible planning needs

- The creation of new benchmark standards for parcels, open data, lidar, and aerial imagery by June 30, 2017
- Limitation of WLIP staff resources, which will necessitate continued community contributions and engagement
- Discussion of whether to continue to revise Draft 3 WLIP Program Plan 2016-2021, or recommend it as is, and leave other outstanding issues to plan implementation and future planning efforts
 - **Motion 2016-08-01-01:**
 - A motion was made by Derringer, seconded by Brokmeier:
 - *Accept the plan as written.*
 - Motion passed by voice vote. Opposing were Veregin and Paulat.

6. Next Steps/Action Items

- Next meeting: Likely February 21 or 22 at [WLIA annual conference](#) at Chula Vista Resort, Wisconsin Dells (or at the call of the chair)
- WLIP Staff: Finalize and post Program Plan
- WLIP Staff: Prepare draft benchmark standards for WLIC review by February
- Giglierano: Lead the creation of benchmark standards for aerial imagery and lidar
- Giglierano: Hold discussions with stakeholders about potential geoportal concept and the identification of additional strategic priorities

7. Adjourn

- Meeting adjourned at 3:56 p.m.

**Wisconsin Land Information Council
Minutes 2016-06-08**

Meeting Date: Wednesday, June 8, 2016
Time: 2:00 – 4:00 p.m.
Location: WLIA [Spring Regional Meeting](#) | Pine Room
 Hotel Mead & Conference Center | Wisconsin Rapids
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312 | Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Al Brokmeier	Y	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	T
Adam Derringer	Y	Maria Holl	Y	Kristeen Pelot	N	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	T	Tim Statz	N	Cynthia Wisinski	Y
Daniel Frick	T						
Other Attendees							
Mike Friis (T)				Jim Lacy (T)			
Peter Herreid (Y)				AJ Wortley (T)			
Davita Veselenak (T)				Peter Strand (Y)			
Mitch Moline (Y)				Martin Goettl (Y)			
Brandon Tourtelotte (Y)							

1. Welcome and Introduction (Don Dittmar)

2. Approval of previous meeting's minutes

- Motion to approve by Cindy Wisinski
- Seconded by Al Brokmeier
- Motion passed
- Discussion of meeting minutes practices.
 - Comment from Derringer: Minutes are not descriptive enough. People are coming back to council members for clarification.
 - Herreid: General guidance for minutes is to limit them to a record of attendance, actions, motions passed, and decisions made. Staff will additionally try to list general discussion topics. DOA feels it is better not to try to capture all of the conversation, because the process of recording a verbal discussion in writing is inherently subjective. Meetings are open and any member of the public is free to attend the meetings and take notes.

3. Overview of WLIP *Draft 2 Program Plan* (Herreid)

- Herreid gave a presentation on the *Draft 2 Program Plan*.
- The changes from *Draft 1* to *Draft 2 Program Plan* were based on motions passed by WLIC, public comments, as well as further research and consideration of topics by DOA staff.
- A staff work plan is implicit in the *Draft 2 Program Plan*. WLIP staff wants to only commit to a work plan and scope that staff is reasonably confident it can achieve.
- Although we are planning ahead, DOA is actually just at the beginning of implementing the Parcel Initiative.
- The Parcel Initiative has an objective for all counties to achieve the searchable format standard for parcels by early 2018. Further development of local parcel datasets is expected beyond achievement of the searchable format standard, which is projected to include additional attributes and spatial inaccuracy connected to the PLSS.

- The *Draft 2 Program Plan* has a re-centering of priorities on the statutory directives of the Parcel Initiative with the statewide objectives to achieve a complete and spatially accurate statewide parcel map comprised of standardized and integrated local parcel datasets, as well as ensure that all WLIP-funded data is freely and openly available online on demand.
- Changes made were consistent with motions from the April, 12, 2016 WLIC meeting.
 - **Recap of Motion 2016-04-12-01:**
 - *The WLIC recommends that the next draft of the WLIP Program Plan 2016-2020 include a funding model where Strategic Initiative funding is evenly distributed amongst all 72 counties, following recommendations, schedules, priorities, and standards to be determined by DOA with advice from the Council.*
 - **Recap of Motion 2016-04-12-02:**
 - *WLIC recommends the next draft of plan include the following Strategic Initiative priorities (with no particular funding allocations attached):*
 1. *Additional parcel benchmarks and standards – to be determined by October 1, 2017*
 2. *PLSS*
 3. *Additional foundational element layers – to be determined by October 1, 2017*
- For Benchmark Set III, the motion did not specify creating a prioritized list of Foundational Element layer categories to be eligible for Strategic Initiative grant funding, but aerial imagery and lidar were included in *Draft 2* based on a the need to specify benchmarks on a short-term timeline. Specifically, there is a near-term need for categories to be identified by the summer of 2016, in order to create detailed standards by June 30, 2017 for the 2018 grant application.
- One camp argues if a county has completed Benchmark Set I and II, counties should not be eligible grant funding until DOA decides on additional priorities with a more deliberative planning process that could take some years.
- Another camp holds that counties should be able to use funding as they see fit, after Benchmark Set I and II have been achieved.
- Regarding the first camp's view of withholding funding eligibility beyond that required to meet Benchmark Set I and II, it would potentially have many negative consequences, including:
 - Withholding funding eligibility penalizing counties for previous progress.
 - It creates an incentive for inefficiency and waste. If counties can only spend Strategic Initiative grant dollars on Benchmark Sets I and II, there will be an incentive to design projects to use up all available grant funding to meet these benchmarks in order not to lose funding.
 - It takes away incentive for to use money efficiently in order to complete other Foundational Element layers beyond those listed by Benchmark Set I and II.
 - It denies counties funding for opportunities for shovel-ready projects for other Foundational Element layers.
 - It removes enforcement mechanism for data to be shared openly, as some counties would not be subject to the grant agreement.
 - It would disenfranchise counties, particularly those that contribute the most to the Land Information Fund.
 - It risks disenfranchised counties approaching legislature, complaining that about their loss of grant funding eligibility while there is a surplus balance in the Land Information Fund.
- There are also problems with the other camp's approach of letting counties select their own strategic priorities, such as completing other Foundational Element layers, after they have completed Benchmark Set I and II.
 - If Strategic Initiative grant projects are simply at the counties' discretion without statewide standards required, grants are not as strategic statewide as they could be.
 - Without a coordinated effort to modernize land records and meet standards for specific Foundational Element layers, Strategic Initiative grants function more like Base Budget grants.
- Because there are issues associated with both camps, it is important to list some additional priorities, beyond Benchmark Set I and II, so that all or nearly all of the Strategic Initiative grants are used to achieve statewide objectives for completion of specific core foundational element layers, meeting standards determined by DOA in collaboration with the WLIC and community.
- According to a 2012 WIGICC survey of priorities, a 2014 WLIP Survey, a 2016 survey conducted by Adam Derringer, an aerial imagery business plan, a USGS 3DEP program for lidar with local match requirement, and individual accounts, lidar and aerial imagery are two logical priorities. This does not mean that there are not other priorities out there.

- In *Draft 2*, Lidar was prioritized over aerial imagery because all counties have aerial imagery in some vintage, but not all have lidar data.
- The aerial imagery business plan was removed from *Draft 2*. Since it was finalized in 2014, no group adopted or promoted it. Nonetheless, it was included in the *Draft 1* plan because DOA considered it worthy of serious public discussion. In the *Draft 1* comments there was no or little support for this particular plan, but rather much opposition. Counties wanted more flexibility on timeline, consortium, and vendor choice.
- Address points and street centerlines were not included in *Draft 2*, because creating an additional benchmark standards for parcels, open data, lidar, and aerial imagery will require a lot of WLIP staff time and attention from the WLIC and community, perhaps not leaving much left over for other layers, at least for this upcoming year. Also, there had been WLIC and community discussion that if the WLIP takes responsibility for address points and road centerlines, it takes away from the argument to use the cell phone fee to fund these layers as many feel is more appropriate.
 - **Recap of Motion 2016-04-12-03:**
 - Data Access Section – *WLIC recommends DOA move forward on drafting a revised data access section of the WLIP Program Plan taking into account comments received from community.*
 - **Recap of Motion 2016-04-12-04:**
 - *The Revised WLIP Program plan should contain a clear statement that counties will be required to make available in the public domain all data created, acquired, or developed with WLIP retained fees or grants, in accordance with local, federal, and state statutes.*
- The open data benchmark is part of facilitating data access, while other efforts would focus on assisting other state entities to enhance their repositories, such as at LTSB, Robinson Map Library and WisconsinView. WLIP will need to keep an inventory of all county data for open data, which could easily serve portal functionality by being converted into some kind of portal online. This would not include sensitive data or data subject to state, federal law, etc.
- The plan is meant to be updated on a regular basis, which means that can occur before 2020. But predictability for the next budget cycle is important for the short-term. Implementation planning is the next task.

4. Discussion of public comments on *Draft 2* & 5. Open Comments and Discussion

- Items were prioritized for discussion before items with fewer comments.
- Discussion of whether the plan focuses on the strategic objectives enough and the word “strategy,” which could have implications for funding model, process, etc.
- Discussion of goal to avoid a patch-work approach to meeting objectives.
- Discussion of benchmark hierarchy on page 16 in *Draft 2* and whether it was strategic enough.
 - **Motion 2016-06-08-01:**
 - A motion was made by Veregin, seconded by Derringer:
 - *Eliminate the priorities such that open data, PLSS, lidar and aerial imagery have the same priority when using Strategic Initiative grant funding.*
 - It was noted that this motion language does not eliminate the original parcel benchmarks.
 - The motion passed unanimously by voice vote.
- Discussion of whether the WLIP Program Plan is strategic, comprehensive, and forward-looking enough.
- Discussion of need for another strategic planning process.
 - **Motion 2016-06-08-02:**
 - A motion was made by Veregin, seconded by Derringer:
 - *The draft plan incorporate a statement that through the WLIC that a process will be put in place to incorporate stakeholder input to identify strategic priorities, for both the priority elements that are identified in this program plan and for the future, i.e., post-2020. This effort is to be led by the state GIO. This assessment should include consideration of standards, benchmarks, and funding allocation models.*
 - The motion passed unanimously by voice vote.
- Discussion of a master central repository and/or portal for GIS data.

- Discussion of whether this should be a master repository or assemblage of repositories, linked through a portal.
 - **Motion 2016-06-08-03:**
 - A motion was made by Brokmeier, seconded by Derringer:
 - *The GIO can continue to explore a statewide repository/portal solution.*
 - The motion passed by voice vote.
- Request made by Adam Derringer to change word “recommends” to “requires” in the following sentence on page 17: “Following the trend of government transparency and open government, the WLIP recommends that counties make public geospatial data freely and openly available, which is important to maximizing the public funds invested in county land information data through the WLIP and to achieving Program objectives.”
- Discussion of funding allocation formula.
 - **Motion 2016-06-08-04 (Defeated):**
 - A motion was made by Veregin, seconded by Paulat:
 - *Add an explanation after the funding model stating that there may be occasions where the proportional allocation among 72 counties is adjusted to address special strategic purposes.*
 - The motion was defeated by voice vote, with Veregin and Paulat voting yes.
- Discussion on the definition of “survey-grade.”
 - **Motion 2016-06-08-05:**
 - A motion was made by Derringer, seconded by Brokmeier:
 - *Ask the County Surveyors Association to review the definition for survey grade specifications for PLSS.*
 - The motion unanimously passed by voice vote.
 - **Motion 2016-06-08-06:**
 - A motion was made by Holl, seconded by Veregin:
 - *Extend the title of the WLIP Program Plan to 2021.*
 - The motion passed by voice vote.
- Discussion of lidar standards referenced in Draft 2 plan.
 - **Motion 2016-06-08-07:**
 - A motion was made by Derringer, seconded by Holl:
 - *Match horizontal and vertical specs for lidar going forward. Looking back, make sure that recent lidar projects still count as meeting the benchmarks, such as FEMA, CDBG, or USGS.*
 - The motion passed by voice vote.

6. Next Steps/Action Items

- DOA – Create Draft 3 of plan for public review, with at least three weeks needed for review period.
- Herreid – Discuss with DOA management WLIC motions passed, timeline for creating *Draft 3*, releasing *Draft 3* for review, and request by Dittmar that Dittmar and Derringer see draft plan and comment before rest of WLIC and community.
- Next meeting – Likely in August 2016.

7. Adjourn

- Meeting adjourned at 4:49 p.m.

**Wisconsin Land Information Council
Minutes 2016-04-12**

Meeting Date: Tuesday, April 12, 2016
Time: 1:00 – 3:00 p.m.
Location: Department of Administration (please r.s.v.p. and bring photo ID)
 Conference Room 924A
 101 E Wilson St, 9th Floor
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312
 Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated via teleconference)							
Al Brokmeier	T	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	N
Adam Derringer	Y	Maria Holl	T	Kristeen Pelot	T	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	Y	Tim Statz	N	Cynthia Wisinski	Y
Daniel Frick	Y						
Other Attendees							
Mike Friis – DOA (Y)				Jaime Martindale – (Y)			
Peter Herreid – DOA (Y)				Tony VanDerWielen – (Y)			
Davita Veselenak – DOA (Y)				Justin Connor – (T)			
AJ Wortley – (Y)				Jim Lacy – (T)			

1. Roll call and introductions

2. Approval of meeting minutes from March 24, 2016 meeting

- Motion to approve by Adam Derringer
- Seconded by Dan Frick
- Motion passed

3. Purpose of meeting (Dittmar)

- Meeting is to discuss data access issues

4. Data Access Presentation by Jaime Martindale, AJ Wortley

- [View slides](#) for *Online Access to WI GIS Data*
- Map Librarian Jaime Martindale collects county data for the portal and repository [GeoData@UW-Madison](#), which holds primarily vector data. [WisconsinView](#) primarily deals in the larger files (raster data).
- GeoData@UW-Madison software is open source software from Tufts University, but there are other options available.
- Tony VanDerWielen of the Wisconsin Legislative Technology Services Bureau collects county data twice a year through an LTSB upload application called [WISE-Decade](#). This includes wards, supervisory districts, and a municipal layer. LTSB publishes it to an ArcGIS Open Data Page. GeoData@UW-Madison could be one possible way to discover local data.

5. Data Access Presentation by Justin Connor

- Wood County has an account with Amazon Cloud Services, and utilizes an ArcGIS Online application and Story Maps template.
- Users have the ability to download tiles with lidar data or aerial photography from woodwi.maps.arcgis.com, the Wood County data distribution application.

- The files are stored in cloud-based Amazon locations called Amazon S3 “buckets.”
- Buckets allow anyone to access data, even across different data sources.
- Wood county data made available online is not compressed.

6. Discussion of Data Access Vision (Giglierano)

- [View slides](#) for *Discussion of Access*
- Presentation by Giglierano on vision for access to statewide lidar and aerial imagery datasets
- The discussion focused on making WLIP-funded data available in the public domain with respect to what was presented. The discussion included the demand and need to make GIS data available in the public domain, challenges, and potential approaches and solutions. The discussion also addressed the differences between solutions for collecting and making available the diverse array of smaller vector datasets, such as what is available through the GeoData@UW-Madison portal and repository, and the larger lidar and aerial imagery raster datasets, such as what WisconsinView and Wood County make available online.

7. Next Steps/Action Items

- Wednesday, April 27th – Next draft of plan will be released
- Next meeting: Wednesday June 8, 2:00-4:00 p.m.

8. Adjourn

- Meeting adjourned at 3:00 p.m.

**Wisconsin Land Information Council
Minutes 2016-03-24**

Meeting Date: Thursday, March 24, 2016
Time: 1:00 – 3:00 p.m.
Location: Department of Administration (please r.s.v.p. and bring photo ID)
 Conference Room 924A
 101 E Wilson St, 9th Floor
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312
 Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present; T = participated by teleconference)							
Al Brokmeier	T	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	T
Adam Derringer	Y	Maria Holl	N	Kristeen Pelot	T	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	N	Tim Statz	Y	Cynthia Wisinski	T
Daniel Frick							
Other Attendees							
Mike Friis – DOA (T)							
Peter Herreid – DOA							
Davita Veselenak – DOA							

1. Roll call and introductions

2. Approval of meeting minutes from February 10, 2016 meeting

- Motion to approve by Tim Statz
- Seconded by Howard Veregin
- Motion passed

3. Purpose of meeting (Dittmar)

- Meeting is to discuss public comments on the *Draft1 WLIP Program Plan*.
- Request from Don that recommendations are clear and voted on.

4. Discussion

a. Funding Model

- Funding model request from LION is to maintain the status quo, where revenues are divided evenly amongst all 72 counties.
- The LION model would allow greater flexibility of Strategic Initiative funding.
- Lidar and orthos are aligned to ground control. PLSS is not necessarily what the imagery would be tied to, although the two work together.
- Imagery projects often require control with identifiable places on the earth.
- PLSS does not enhance directly imagery, but PLSS does directly enhance parcels.
- One position is that funding go toward statewide strategic initiatives, rather than strictly locally-determined needs.
- Benchmarks 1-4 are geared toward parcels/PLSS, and not beyond that. Some feel funding should go to these priorities only.
- The question is the importance of parcels/PLSS are more or less relative to orthos and elevation data.

- The first draft is not explicit about whether a county would have to forfeit Strategic Initiative funding if they did not do orthos or lidar in the assigned year. But the dollars themselves do not go away, as they carry to the next fiscal year.
- Dividing the state into regions for a statewide program for aerial imagery would not necessarily reduce costs. Over 4-10,000 square miles, economies of scale cease to apply.
- Some desire imagery acquired at a single pass for the whole state, rather than in thirds. A whole-state approach is also very complex.
- Some do not see value in contracting with a single vendor, which would limit county choices.
- The model of the Parcel Initiative for 2016-2017 is geared toward achieving the objectives of the statutes.
- Another way of viewing the funding model—funding the counties to generate the data that has a standard or spec which is specified by the state.
- Rather than having DOA coordinate one master contract, there is the option to allow counties to make purchases based on standards specified by the state. Standards would be key in this model.
- Shawano, Brown, Rock, and other counties force the county to go through an RFP process, even when a state contract exists.
- Motion from Al Brokmeier:
 - The WLIC recommends that the next draft of WLIP Program Plan include a funding model where Strategic Initiative funding is evenly distributed amongst all 72 counties.
 - Seconded by Dan Frick
 - Friendly amendment from Adam Derringer: Append “following recommendations, schedules, and priorities to be determined by DOA with advice from the Council.”
 - Second friendly amendment from Adam Derringer: “following recommendations, schedules, priorities, and standards to be determined by DOA with advice from the Council.”
- **Motion 2016-03-24-01:**
 - *The WLIC recommends that the next draft of the WLIP Program Plan 2016-2020 include a funding model where Strategic Initiative funding is evenly distributed amongst all 72 counties, following recommendations, schedules, priorities, and standards to be determined by DOA with advice from the Council.*
- Motion passed unanimously by voice vote

b. Priorities for WLIP Strategic Initiative grants

- State agencies are another stakeholder in having needs and goals for land information funding.
- Utilities are also dependent on GIS data.
- Suggestion that new data can be collected to assess priorities and statewide standards.
- One option is to reach out to different organizations. But the question would be how to reach out to them, and the medium for the dialog.
- There is concern for priorities for other foundational element layers in the alternative funding model.
- Benchmark set #1 and #2 are similar and could be combined in the next draft plan.
- Priorities after parcels/PLSS for 2018 and beyond are what have yet to be determined.
- October 1, 2017 would be the target date for setting priorities.
- DOA will look into options for data collection
- Motion from Don Dittmar:
 - **Motion 2016-03-24-02:**
 - *WLIC recommends the next draft of plan include the following Strategic Initiative priorities (with no particular funding allocations attached):*
 1. *Additional parcel benchmarks and standards – to be determined by October 1, 2017*
 2. *PLSS*
 3. *Additional foundational element layers – to be determined by October 1, 2017*
 - Motion passed.

c. Access

- There is \$105,000 in the proposed budget for access to data.
- There is some concern that the number is low, for facilitating access to data. Tech support, software, maintenance, administration, hosting, bandwidth, metadata, searchability, and other costs need to be taken into account.
- Having open access and preservation capabilities add to the complexity of the access question.

- Motion from Mark Paulat:
 - **Motion 2016-03-24-03:**
 - *WLIC recommends DOA move forward on drafting a revised data access section of the WLIP Program Plan taking into account on comments received from community.*
 - Abstain – Adam Derringer. Motion passed.

- Motion from Howard Veregin, seconded by Derringer:
 - **Motion 2016-03-24-04:**
 - *The Revised WLIP Program plan should contain a clear statement that counties will be required to make available in the public domain all data created acquired or developed with WLIP retained fees or grants, in accordance with local, federal, or state statutes.*
 - Motion passed.

d. Other issues of concern

- The next draft of the WLIP Program Plan will take into account public comments, but will focus mainly on the Council discussion.

5. Planning process timeline revisions

- Wednesday, April 27th – Next draft of plan will be released

4. Future activities/Action items

- Next meeting: Tuesday, April 12, 1:00 p.m. Agenda items to be determined.

6. Adjourn

- Meeting adjourned at 3:17 p.m.

**Wisconsin Land Information Council
Minutes 2015-02-10**

Meeting Date: Wednesday, February 10, 2016
Time: 2:00 – 4:00 p.m.
Location: WLIA Annual Conference | Room: Elkhart Ballroom B
 The Osthoff Resort | Elkhart Lake, WI
Remote ID: <https://global.gotomeeting.com/join/770613845>
 Or +1 (872) 240-3312
 Access Code: 770-613-845

WLIC Appointees (Y = present; N = not present)							
Al Brokmeier	Y	Jim Giglierano	Y	Mark Paulat	N	Nathan Vaughn	Y
Adam Derringer	Y	Maria Holl	Y	Kristeen Pelot	Y	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	Y	Tim Statz	Y	Cynthia Wisinski	Y
Daniel Frick	Y						
Other Attendees							
Mike Friis – DOA							
Peter Herreid – DOA							
Claude Lois – DOR (For Mark Paulat)							
Peter Strand – Eau Claire County							

1. Welcome and Introduction (Don Dittmar)

2. Approval of previous meeting’s minutes

- Motion to approve by Cindy Wisinski
- Second Dan Frick
- Motion passed

3. Presentation on draft Wisconsin Land Information Program Plan (Peter Herreid)

- Some background on program history, including Don Dittmar’s write-up of WLIP history.
- The draft program plan takes into account previous plans and documents created by the WLIP and land information stakeholders, annual WLIP survey results, information gathered during visits to all 72 county land information councils, interviews with individual stakeholders, and other types of stakeholder input.
- The draft plan is designed to be within current statutory and administrative authority to implement.
- The draft plan is designed to be ambitious but realistic. Because of scarce resources (staff time and funding), the plan’s priorities are trade-offs in favor of other alternative priorities. If alternative priorities are proposed, then some current priorities need to be dropped.
- Any final funding decisions would need to be approved by DOA management.
- Timeline:
 - For the next four weeks, WLIC members are to discuss plan with peers and sector organizations and then provide comments by March 11th.
 - Planning process timeline includes second draft to be created by DOA and then reviewed and discussed by WLIC on April 13, 2016.
 - Goal to have plan complete by June of 2016
- WLIC discussion of the program plan followed.

4. Discussion on future activities and Council Procedures (Don Dittmar)

- Council members can send feedback to Don to forward to DOA to organize comments.
- Send call for agenda items in advance of future meetings.

5. LiDAR program Status (Jim Giglierano)

- The USGS application for 7 counties was successful, out of possible ~7-8 million dollars nation-wide.
- DOA will issue a call for participation for next year.

6. Open Comments and Discussion

- Legislation proposal to remove state agency planning requirement. Was not on the Assembly committee's agenda today and that committee is scheduled to wrap up February 18th.
- WLIA encourages that planning efforts continue.

7. Next Steps/Action Items/Next meeting date

- DOA: Send email to WLIC to solicit plan feedback by March 11th.

8. Adjourn

Meeting adjourned at 3:46 p.m.

**Wisconsin Land Information Council
Minutes 2015-10-28
Approved 2016-02-10**

Meeting Date: Wednesday, October 28, 2015
Time: 2:00 – 4:00 p.m.
Location: WLIA Fall Regional Meeting | Lake Poygan Room, 2nd floor
 Best Western Premier Waterfront Hotel & Convention Center
 1 North Main Street | Oshkosh, WI 54901

WLIC Appointees (Y = present; N = not present)							
Al Brokmeier	Y	Jim Giglierano	Y	Mark Paulat	Y	Nathan Vaughn	Y
Adam Derringer	Y	Maria Holl	Y	Kristeen Pelot	Y	Howard Veregin	Y
Don Dittmar	Y	Cori Lamont	N	Tim Statz	N	Cynthia Wisinski	Y
Daniel Frick	Y						
Other Attendees							
Mike Friis – DOA							
Peter Herreid – DOA							
Davita Veselenak – DOA							
Justin Connor – Wood County/WLIA							
Peter Strand – Eau Claire County/WLIA							

1. Welcome and Introduction

2. Old Business/Open Issues

a. Review of council role and charter

Council is advisory to WLIP on matters relating to land information and a strategic direction for the program. Intention to meet at least twice a year but perhaps more.

Mark Paulat: Paulat filled the position for a state and federal government, but does not represent the federal government on this council. Would like to see additional seats for federal government and another state government.

3. New Business

a. Discussion of bylaws

Council will have a President and Vice-president.

Proxy attendees should have ability to vote.

Staggered terms: Approach to filling staggered term is to wait for attrition.

Vacancies would be filled with new applications to DOA. If a member no longer represents a sector, their respective trade organization will be contacted to recruit someone to apply.

Amendments to the draft bylaws version circulated by DOA before the meeting:

Open meetings. A section "D" should be added to bylaws section on "Meetings and Minutes," regarding open meetings and records. It should state that meetings are open to the public. Meeting notes and agendas will be made publicly available online via the WLIC webpage. Notices of meetings will also be publicized via press boxes at the Capitol.

Electronic vote. Add statement allowing electronic votes, "If necessary, votes may take place electronically." A majority of the votes cast by a specified deadline would be what constitutes an attending majority in the case of electronic votes.

Voting section. Tie-breaking vote. "A tie vote will be considered a failure (i.e., a "No" vote).

Section title correction. Change the title of the "Charter Revisions" section to "Bylaws Revisions."

Definition of majority. Specify in voting section that a majority applies to the majority of voting members "in attendance."

A motion was made by Derringer, seconded by Frick, to accept the Bylaws as amended. The motion passed by voice vote.

A motion was made by Brokmeier to elect Don Dittmar as Chair. The motion passed by voice vote.

A motion was made by Holl to elect Adam Derringer as Vice-Chair. The motion passed by voice vote.

b. Discussion of Parcel Initiative

Herreid gave an overview and update on the Parcel Initiative. His overview began with a history of how the Parcel Initiative came to be. It was prompted in part by the recommendations of the 2012 Deer Trustee Report. Dr. James Kroll was contracted by the State of Wisconsin to review and make recommendations on deer herd management and hunting regulations. As a GIS expert, Dr. Kroll realized the potential for GIS in Wisconsin, not only for deer herd management, but for other state agency and private sector business needs, such as economic development. Part of Kroll's recommendations included Wisconsin upgrading its GIS capabilities.

The Governor in his 2013 budget introduced two GIS initiatives: an update to the state's land cover map and the Parcel Initiative. The Parcel Initiative was unanimously accepted with amendments by the Joint Committee on Finance adding details and additional requirements for DOA. The 2013 biennial budget was signed into law as Act 20 of 2013 with four directives for the Parcel Initiative: for DOA to create a digital parcel map, counties to coordinate mapping with the state, for certain parcel information to be posted online in a standard searchable format determined by DOA, and for DOA to provide more in grant funding to counties, in particular for parcel mapping.

Since Act 20 of 2013 was enacted, DOA has collaborated with the State Cartographer's Office to already create two iterations of a statewide parcel map layer. The statewide parcel map was created for the Public Service Commission's broadband map as part of the LinkWISCONSIN Address Point and Parcel Mapping Project. The project resulted in 100% participation from counties.

The DOA continued this successful collaboration with the State Cartographer's Office on the Version 1 Statewide Parcel Map Database Project. The database for Version 1 (V1) was released in July 2015. Over 1,000 downloads of the V1 GIS layer and many views of the interactive mapping application. Next week, a survey will come out asking how V1 is helping users' business processes and how it can be improved.

In June, the V1 Project Interim Report was completed, with recommendations for the searchable format. The searchable format standard is detailed in the appendices. It will allow for nearly-automated aggregation of the statewide parcel layer. For V1, local data was taken as-is, but searchable format is the goal for all data submissions by V4.

The V1 Interim Report set out benchmarks for parcel dataset development. The benchmarks 1 and 2 are for formatting county parcel data to meet the searchable format standard determined by DOA. Benchmark 3 serves to fill in holes in parcel map fabric, where parcel polygons do not exist in the county GIS. WLIP estimate is that it will take 2 years of grant funding to get all of the county parcel data into searchable format standard and to fill in the holes in the fabric of the statewide parcel fabric, with perhaps a couple of counties yet to complete their parcel fabrics. Benchmark 4 addresses positional accuracy. Although PLSS will not be completed in 2 years of funding, significant progress can be made.

DOA is leaving it up to counties how they will address PLSS in terms of priorities. Survey-grade coordinates is desirable but it is left up to counties to define what "complete and integrated" PLSS is.

Herreid then explained a handout with a graphic summarizing the benchmarks. (This graphic was included in the 2016 WLIP grant application.) The other graphic on the handout was a timeline for the Parcel Initiative. The Parcel Initiative timeline through 2018 shows four iterations of the parcel layer and how two WLIP Strategic Initiative grant cycles will improve the parcel data submitted. The 2016 Strategic Initiative grants will improve parcel data submitted for V2 and V3 parcel projects. DOA expects to have the same parcel benchmarks for 2017 Strategic Initiative grants, which will affect the V3 and V4 data submittals. The V4 data submittal deadline (March 31, 2018) is also the deadline for counties to achieve the searchable format standard for their parcel data submittals.

Frick expressed a concern from county surveyors that digitization of parcels will come before PLSS remonumentation. Herreid answered that a county may complete remonumentation or PLSS work in an area before it is parcel mapped, if the county has been employing that methodological order, as is articulated by the 2016 WLIP grant application and Version 1 Parcel Project Interim Report.

Another surveyor concern is that it will take more funding and time for counties to complete and integrate their PLSS then two Strategic Initiative grants at \$50k per grant per county. Herreid acknowledged that many counties would not complete their PLSS by 2018, but Strategic Initiative grants, Base Budget grants, and retained fees would enable them to make much progress towards that goal. Counties do not have a state deadline for completing PLSS.

Paulat: Assumption that first few versions of parcel map will be "cartoonish" with a clear accuracy disclaimer.

Friis: The timeline is partially dictated by the previous biennial budget. It is important to get accomplished what was set forth in the budget, to demonstrate success bred from the Land Information Fund.

Strand: What about year 3 grants? Herreid: Year three grants are not determined. PLSS decisions not yet determined for year 3. It is yet to be determined what priorities, benchmarks, and requirements will apply to 2018 Strategic Initiative grants.

Dittmar: What happens beyond 2018, is what this council is tasked with advising DOA on.

Frick: At what point is the Act 20 goal considered accomplished? Herreid: There are four main goals subsumed in Act 20. The first three are projected to be accomplished by 2018. Before 2018, staff at the SCO will be converting county parcel data into the searchable format standard in order to meet the statutory deadline of 2017.

Veregin: It is not SCO's job to standardize, as SCO is an outreach and R&D organization. The Parcel Initiative team is trying to the streamline process in least painful way for counties.

Herreid explained a budget graph showing projected grant expenditures. He explained the revenue picture as well. Historically, Wisconsin has averaged around one million documents recorded. At the current rate of \$7 per document submitted to DOA's Land Information Fund, this would amount to about \$7 mil in revenue per year. However, in the last couple of years Wisconsin has experienced less than one million documents recorded, and would amount to about \$6.3 million. Current grants and administrative costs would use the full amount of the projected Land Information Fund revenue, with over 90% allocated to the counties in the form of grants.

c. Update on status of USGS 3DEP LiDAR grant application

There was a successful application for USGS for 3DEP last year. Proposal submitted for this year with seven counties, Buffalo, Bayfield, Washburn, Taylor, Forest, Portage, and Winnebago for processing. FEMA has flown some counties. Seven additional counties will be public domain in 2016. Jim Giglierano will discuss the Iowa model as a possible model in his talk Friday.

d. WLIP Program Planning Process

Beyond 2017, WLIP seeks to create a program plan, as a sort of strategic plan for the WLIP. Not for all things GIS in Wisconsin, only the program. 2017-2020 would be the plan timeframe. The goal is to complete the final plan by July of 2016. The plan might look at completing foundational elements statewide to get full, accurate, and current coverage; access to datasets created at the local level, and whether there is need for statewide aggregation of local data. The WLIP program planning effort is just now beginning. Further into the planning process, DOA would like to engage the Wisconsin Land Information Council for input. The WLIC and the land information community will also have an opportunity to review of the draft plan.

e. Group Discussion

Each WLIC member stated what he or she wanted to accomplish with the WLIC during the next three years. Answers varied, but included themes of keeping funding in place for land records modernization, including for PLSS; working on completing the foundational elements statewide as has been a goal of the WLIP since the 1990s; data standards; engaging the diverse set of stakeholders affected by the WLIP; and working towards common goals and the greater good.

4. Next Steps/Action Items

Tentative next meeting: WLIA Annual Meeting, Elkhart Lake, February 10.

ACTION ITEM: DOA to distribute and post amended bylaws

5. Adjourn

Meeting adjourned at 4:03 p.m.