Minnesota Geospatial Advisory Council

September 18, 2024

MINNESOTA
GEOSPATIAL ADVISORY COUNCIL

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- **Call to Order**

  o Introductions

  o Approve agenda

  o Approve last meeting minutes
    (May 29, 2024)

Albrecht

Member Introductions

- **City, Twin Cities metro**
  - Dennis Tumberg, City of Chanhassen
- **City, Greater Minnesota**
  - Vacant
- **County, Twin Cities metro**
  - Victoria Reinhardt, Ramsey County
- **County, Greater Minnesota**
  - Christy Christensen, McLeod County
- **Regional Government, Twin Cities metro**
  - Tanya Mayer, Met Council
- **Regional Government, Greater Minnesota**
  - Jill Amundson, West Central Initiative
- **State Government**
  - Kari Geurts, DNR
  - Ben Timerson, MnDOT
- **Federal Government**
  - Jeff Bloomquist, Risk Management Agency, USDA
  - Mitch Bergeson, US Geological Survey
- **Tribal Government**
  - Ryan Bonney, Shakopee Mdewakanton Sioux Community
- **Non-profit Organization**
  - Jessica Fendos, LOGIS

- **Business**
  - Kendis Scharenbroich, Pro-West & Associates
  - Gerry Sjerven, Minnesota Power
- **K-12 Education**
  - Shana Crosson, U-Spatial / UMN Twin Cities
- **Higher Education**
  - Len Kne, U-Spatial / UMN Twin Cities
  - Stacey Stark, U-Spatial / UMN Duluth
- **MetroGIS**
  - David Brandt, Washington County
- **MN GIS/LIS Consortium**
  - Leanne Knott, City of Red Wing
- **Surveyor**
  - Pat Veraguth, Douglas County
- **At-large**
  - Cory Richter, Ramsey County
  - Heather Albrecht, Hennepin County
  - Britta Maddox, Anoka County
- **Chief Geospatial Information Officer** (ex-officio)
  - Alison Slaats, MnGeo

Non-Member Guests

First and last name

Name of your organization

In-Room Attendees: Please announce verbally

Virtual Attendees: Place in the chat

Agenda

Time	Topic		Time	Topic
11:00	Call to order		12:10	Break and networking
11:10	Review and accept Committee and Workgroup Reports		12:40	Executive Team update and recommendations
11:15	Community Mapping Expo for Minnesota Non-Profits Update		1:30	Mid-term priority projects check-in
11:20	CANDO Workgroup Update		1:50	Round Robin / Announcements
11:35	MnGeo Update		2:00	Adjourn
11:45	Data endorsement process proposal			

Approve agenda

Approve last meeting minutes

(May 29, 2024)

Committee / Workgroup Reports – Review and Accept
Albrecht

Presentations at the MN GIS/LIS Conference, October 2-4

- The 3D Geomatics Committee will present a Panel discussion

- K-12 Committee is preparing a session presentation

- Emergency Preparedness Committee: U.S. National Grid (USNG) Project Team is planning a presentation

- PLSS Preservation Committee chair Kory Thurnau will be presenting about PLSS Preservation Work

- State of the State presentation by MN GIO Alison Slaats

Community Mapping Expo for Minnesota Non-Profits Update
Fendos

MnGAC-Endorsed Expo!

Target Audience:
Users from Non-Profit Organizations

When:
August 21st, 2024 (10 -11:45 AM)

Where:
LOGIS (5750 Duluth St, Golden Valley)

Cost: Free

Outreach and Promotion

- Minnesota Council of Nonprofits
- CURA, U-Spatial, Fresh Energy, WCIF
- GIS/LIS E-Announcements and social media
- MnGeo Newsletter
- MetroGIS Coordinating Committee
- LMC and AMC
- State Attorney General's Nonprofit resources

RSVP Enrollments: Government and Education Sectors

Registrants from Government and Education Sectors
Total: 28
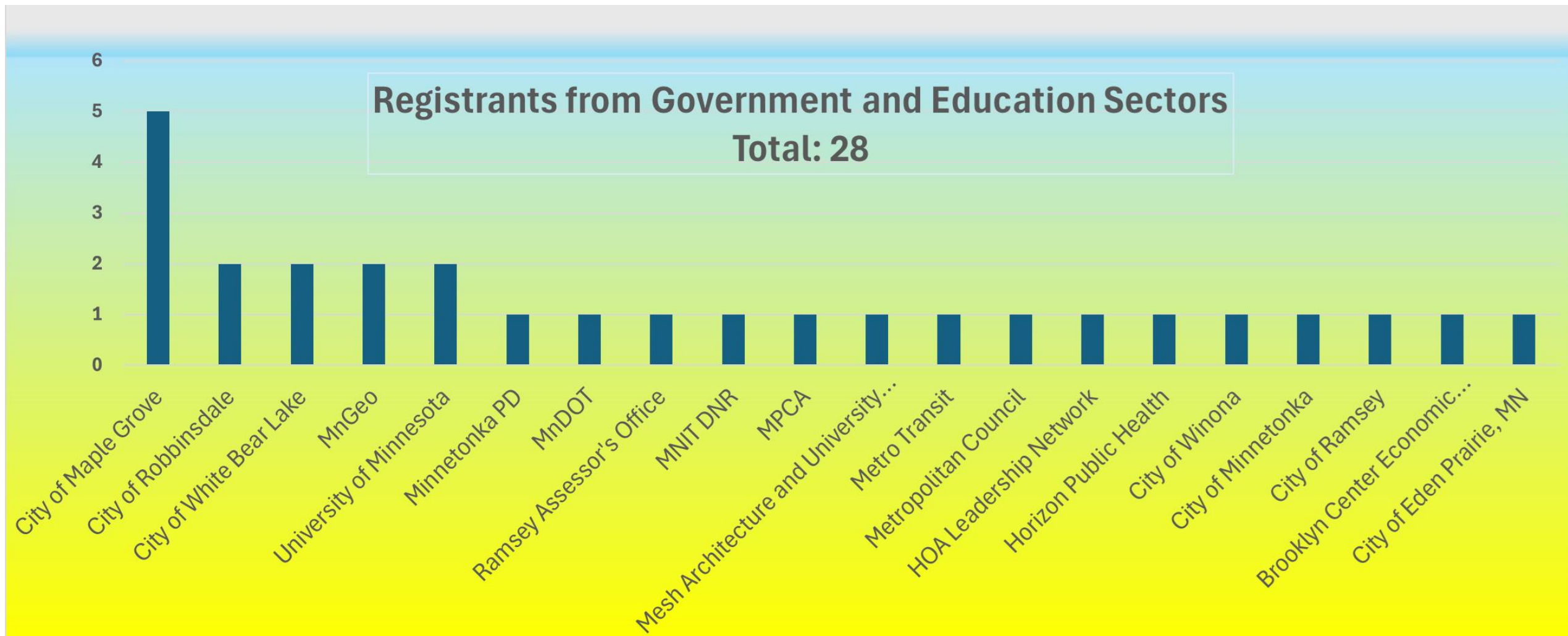
Presenters

MnGeo

Alison Slaats

Esri

Jarod Fox

Esri

Ariana Kim

U of M CURA

Jeff Matson

Fresh Energy

John Vaughn

WCIF

Jill Amundson

LOGIS

Jessica Fendos

Presentation Topics

MnGeo: Alison Slaats, State GIO
About MnGeo and Data Sharing

Esri: Jarod Fox + Ariana Kim
Serving the Community, GIS for Nonprofit & Government Collaboration

LOGIS: Jessica Fendos
Helping Communities Thrive with GIS

CURA: Jeff Matson
Mapping Anti-displacement and Housing Opportunity along the Blue Line Extension

Fresh Energy: John Vaughn
Research to Action

WCIF: Jill Amundson
Live Examples of Nonprofit GIS Use

Community Mapping Expo for Minnesota Non-Profits Story Map
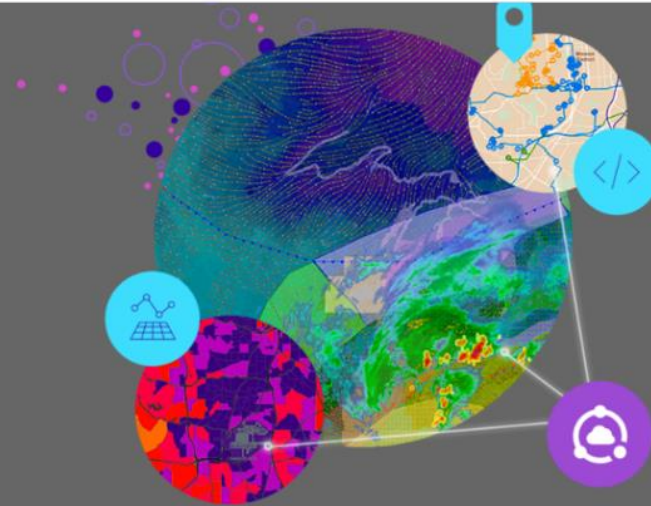
CANDO Workgroup Update
Brandt

Contributing to Nationwide and Commercial Data Assets Workgroup

To share local authoritative data with nationwide and commercial assets.

- Apple

- Esri

- Google

- Here

- TomTom

- Began with existing data sharing through Community Maps

- With the integration of TomTom the process has changed

- Esri is reviewing centerline data by county and incorporating into TomTom

- Ramsey and Washington working through process

- What type of open data license to use?

  - Open Data Commons Public Domain Dedication and License (PDDL) v1.0

  - Creative Commons CC0

- Work through process with Esri and TomTom

- Promote statewide centerlines and address points

MnGeo Update
Slaats

Update: Modernization of the Geospatial Commons

- MnGeo applied for, and received funds from the [MNIT Technology Modernization Fund](#)

- The Minnesota Geospatial Commons ("The Commons") technology is aging, and nearing 10 years old

- TMF funding will enable **modernization** of Commons technology from a **file-based system to a web service model** and **improve user and publisher experience**
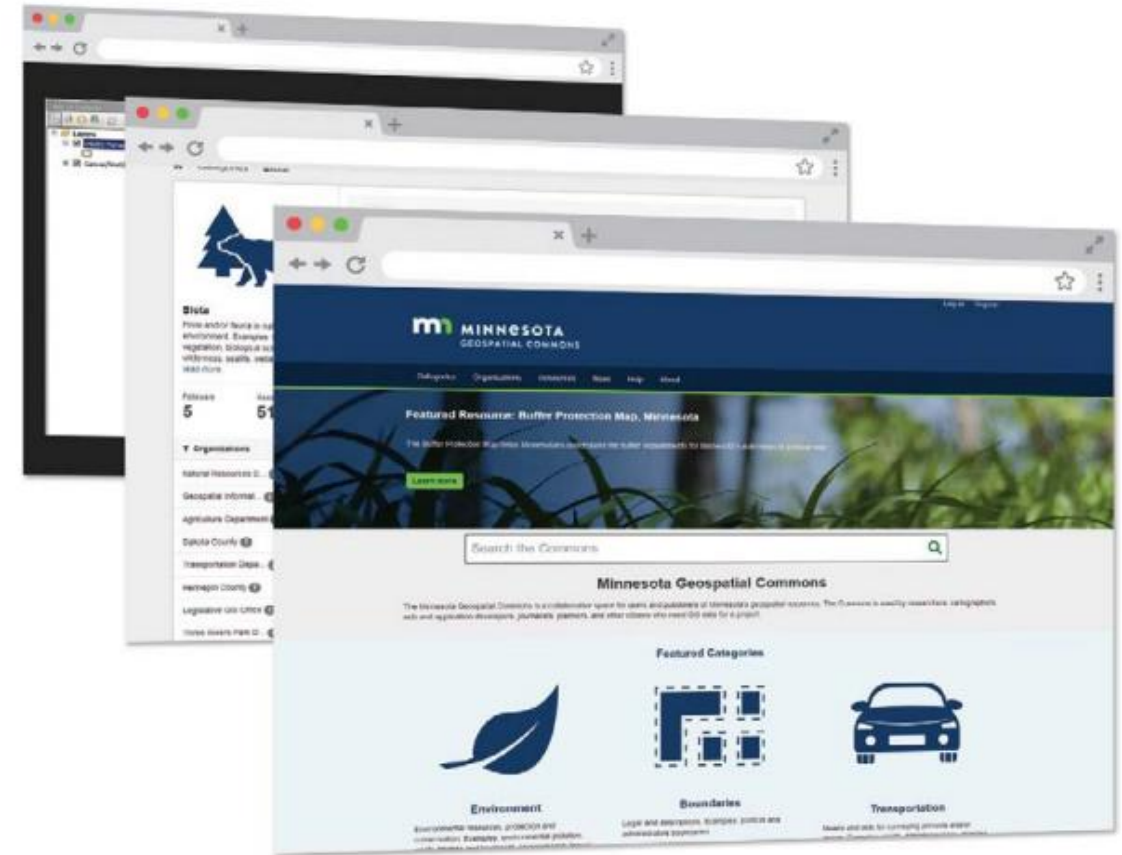
Status update: Geospatial Commons Modernization

- **July 2024:** Tech visionary team and MnGeo's tech leadership finalized proposed tech solution

- **July 2024:** Steering team approved charter, scope, and architecture solution

- **Currently:** Evaluating and planning staff resources for application development, including vendor and state agency partners

Status update: Geospatial Commons Modernization (continued)

- MnGeo staff are working on project planning

  - Development of project elements including epics, features and user stories

  - Identifying dependencies

  - Estimating resource needs and ongoing costs

- Set up new Commons development workspaces in ArcGIS Online, Azure files, Esri Hub

Update: Lidar data distribution and derivatives

- MnGeo, in partnership with the GAC 3DGeo committee, is building **MnTOPO 2** to share MN lidar data and derivatives

- The 3DGeo team is working on derivative creation methodologies and products.

- These efforts were delayed due to complexities presented by implementing solution in Azure cloud, but work is progressing.

- In short term, lidar data, such as NE data, is available on the **USGS National Map**
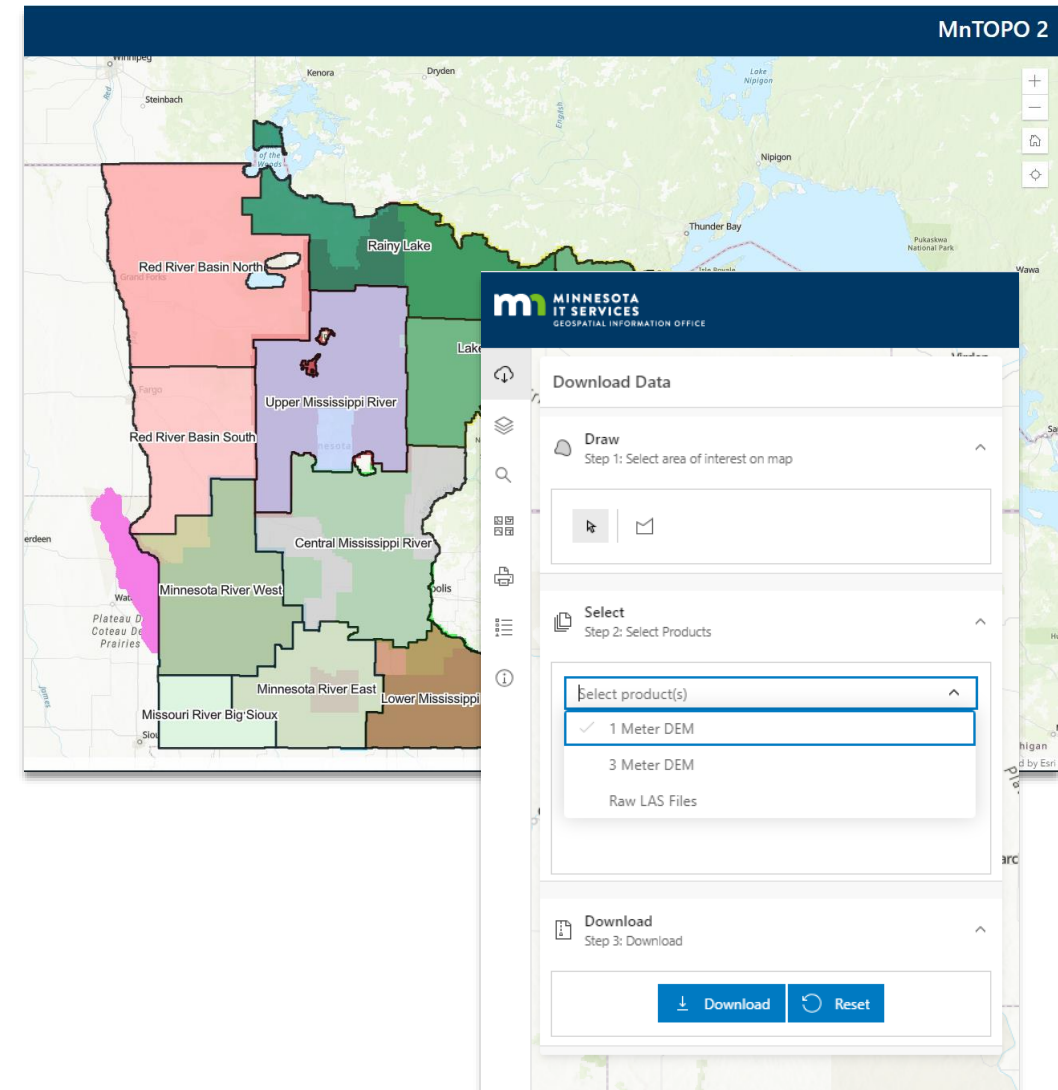
Lidar Data Storage and Products Status

- Development system setup for storage and ArcGIS Enterprise completed

- Virtual desktops with needed software to create products in place

- Consultation with Esri completed. Meetings clarified best practices for storage and distribution of 2nd Generation lidar data from Azure cloud environment

- Work in progress to create authoritative data products for three Lidar Acquisition Blocks (LABS)

  - Missouri River/Big Sioux

  - Lower Mississippi/Southeast MN

  - Central Mississippi

Current work on the Authoritative Data Products

- **Source dataset**: 2nd Generation lidar data delivered by vendors

- **Deliverables:**

  - Minnesota's authoritative 1k tile lidar Digital Elevation Models (DEMs) in Cloud Optimized GeoTiff (COGTIFF) format

  - DEM Mosaic dataset for the 3 LABs above will be completed by October 2024

  - Image services for use in desktop and web applications

    - A statewide 0.5m DEM Image Service will be created and made available for testing by partners/stakeholders by November 2024.

    - Additional image services related to derived products below will also be created once the data products are in place.

- DEMs in more resolutions, Contours, Hillshade, Hydrographic Position Index (HPI) will be initial derivatives created.

- Other lidar derived products include Digital Surface Model (DSM), Hydro Breaklines, Lidar Point Cloud Tiles and Normalized Digital Surface Model (nDSM).

- 3D Buildings and Building Footprints still need stewards/creators.

- Process for creating seamless, authoritative statewide datasets for remaining LABs will be in place.

- System Production environment is dependent on satisfactory results from work related to the initial group of 3 LABs.

State agency created derivatives

Derivative Dataset	Delivery Format	Delivery expected
0.5m Digital Elevation Model (DEM)	Cloud Optimized GeoTiff (COGTIFF)	For 3 LABs, November 2024 (testing)
Other resolution DEMs	Cloud Optimized GeoTiff (COGTIFF)	TBD
Contours	Vector	TBD
Hillshade	Cloud Optimized GeoTiff (COGTIFF)	TBD
Hydrographic Position Index (HPI)	Cloud Optimized GeoTiff (COGTIFF)	TBD
Digital Surface Model (DSM)	Cloud Optimized GeoTiff (COGTIFF)	TBD
Normalized Digital Surface Model (nDSM)	Cloud Optimized GeoTiff (COGTIFF)	TBD
Hydro Breaklines	Vector	TBD
Lidar Point Cloud Tiles		TBD (also available on USGS TNM)

Update on MnGeo PLSS Monument Grant

- **PLSS funds were awarded in May 2024**

  - 34 counties received the $9,118,000

  - 29 counties did not receive any funding representing $6.4 million in unmet requests

  - [Minnesota PLSS Dashboard](#)

- **PLSS Grant program in the news**

  - Minnesota Public Radio (MPR) published a [story on the PLSS program](#)

  - [Detroit Lakes Newspaper article](#) highlighted Becker County's PLSS project

Counties Awarded PLSS Monument Grant Funds
May 1, 2024
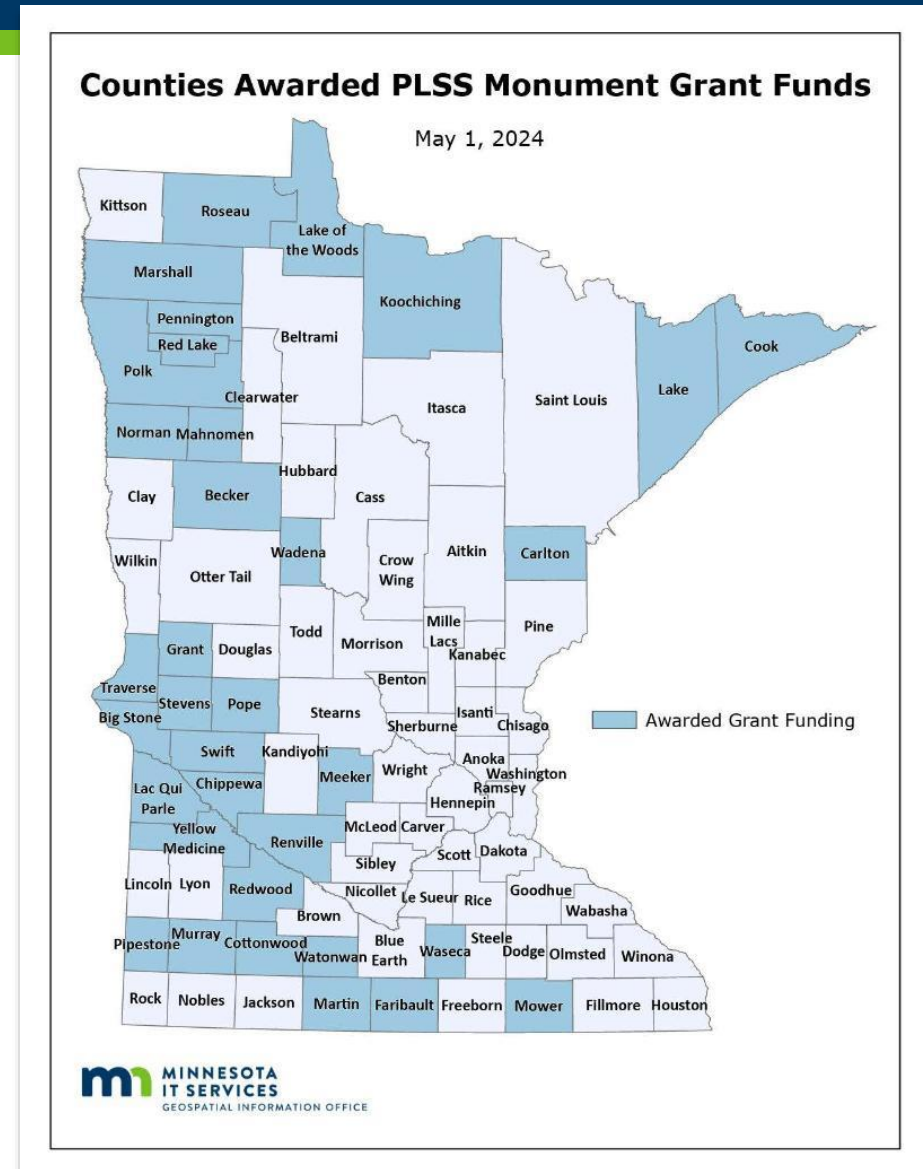
Update on MnGeo PLSS Monument Grant (continued)

- **August quarterly progress reports show:**
  - Most awarded counties have started work
  - Expenses to date indicate that 10% of work has been completed
  - Processed $712,148 in reimbursements

- **Lessons learned from progress reports and reimbursement requests**
  - Documentation and submission forms will be modified slightly
  - Kory Thurnau, MnGeo Survey Coordinator will offer an informational webinar prior to next progress report and reimbursement request

PLSS Remonumentation Legislation Subcommittee

- **Past outreach**
  - MSPS' lobbyist, Phil Raines, met with the Governor's office to discuss remonumentation
  - Pat Veraguth and local private land surveyors met with Senator Green
- **Upcoming outreach**
  - September 19: Preserve MN Annual Conference presentation by Rod Squires, Kory Thurnau, Sam Gibson, and Chris Amborn
  - October 2: A Meet Me At The Corner (MMATC) event at GIS/LIS conference, Duluth
  - December 9: AMC Annual Conference presentation by Pat Veraguth and Kory Thurnau
- **Legislative update**
  - Discussions to include tribal governments in new legislation
- **PLSS Point Data Standard will be shared with GAC Standards Committee**

Governor at Esri User Conference

- Governor Walz - Minnesota's self-proclaimed Map Nerd –

  - MNIT Blog Post

  - Full presentation (35 minutes)
    or the Key Highlights (5 minutes)

  - Executive Map Portfolio

Data Endorsement Process Proposal
Slaats

# New workgroup proposal: Data Endorsement Workgroup

Proposal is to create a GAC workgroup to work on a Geospatial Advisory Council endorsement process for statewide geospatial datasets

Mission statement of workgroup:

To create and implement a Geospatial Advisory Council endorsement process for statewide geospatial datasets.

Benefits of a data endorsement process

- Foundational statewide geospatial datasets are needed for many purposes, and sometimes there is more than one dataset available for the same topic, and it is unclear which dataset is most appropriate to use. Creation of an endorsement process for statewide datasets will identify the best data available.

- This process will help data users because it quickly identifies the best available data.

- This process will help data producers because it will reinforce the value of their data and provide evidence for the need for ongoing data stewardship.

- This process may increase efficient investments by reducing the creation of multiple or similar versions of the same data.

- This process will bring stakeholders together to support the endorsement process and could increase the visibility of the dataset.
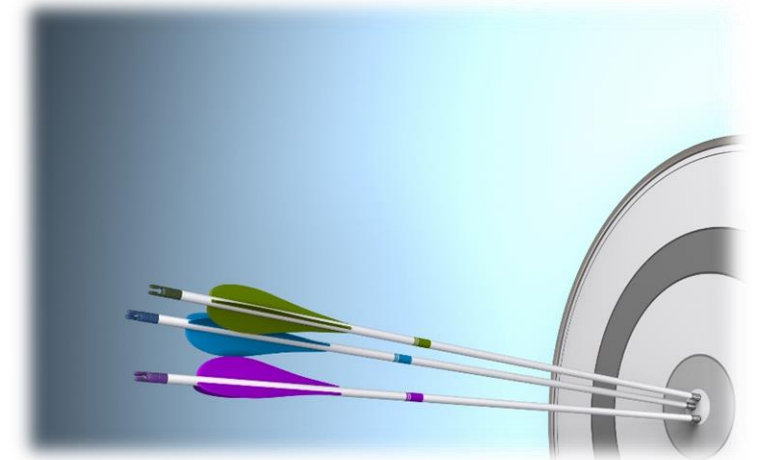
Workgroup objectives

- Identify key components of a data endorsement process including review of previous materials:
  - Minnesota Governor's Council on GIS (MGCG), Land Management Information Center (LMIC) and MnGeo
  - Examples of endorsement processes in place from other states
  - Data endorsement process draft created by GAC Emergency Preparedness Committee's Critical Infrastructure Workgroup

- Define key steps of a data endorsement include definitions of and recognition of data creators, data users, and other partners.

- Ensure the data endorsement process is sustainable, accounting for new data topics and sources as well as monitoring endorsed datasets for currency.

- Work with other workgroups and MnGeo to ensure an endorsed dataset is easily identifiable and accessible to the user community at large, including in the MN Geospatial Commons.

Workgroup deliverables and resource requirements

- Documented GAC data endorsement process

- Pilot at least two datasets through process to test and improve process.

- Resource requirements and timing:
  - People time
  - Monthly web workgroup meeting
  - Additional meetings for presentations from other organizations.
  - Deliverables likely by August 2025

- Members
  - Alison Slaats, MnGeo (Chair)
  - Stacey Stark, U-Spatial
  - Ben Timerson, MnDOT
  - Kevin Trappe, Beltrami County

Motion to create new GAC data endorsement workgroup

- **Motion:** To create a new GAC data endorsement workgroup and accept the proposed workgroup charter

Break and Networking

Executive Team Update and Recommendations
Albrecht

Mission: The Executive Team of the MN Geospatial Advisory Council supports the functions of the GAC. The Executive Team authors the GAC workplan and aligns the activities of the GAC to adhere to the plan. The Executive Team supports the GAC by organizing the quarterly public meetings, gathering feedback from the GIS community through the priority surveys, and ensuring the committee work supports the priorities.

Goals of the GAC Executive Team

Heather Albrecht | Chair, Geospatial Advisory Council

- Increase duration of priority project work to align with full GAC term

- Align GAC committees and priority projects

- Improve committee and workgroup reporting

- Increased participation of GAC committee and sectors in meetings

- Replace GAC website and committee pages with Esri Hub

- Additional GAC member support for committees

- Ease transition of GAC membership and leadership between terms

Priority Project Prioritization

- Bi-yearly GIS Priority Projects survey of user community aligned with term

- Priority Projects derived from results of user survey

- 2-year GAC term focused on priorities set early in the term

- GAC Priority Projects nested under GAC Committees

  - May require evaluation of committees to ensure alignment with community need

Committee and Priority Project Alignment

Project or Initiative Name	Status	GACRan	Committee
Lidar Data	Active	1	3D Geomatics
Hydro-DEMs	Active	2	3D Geomatics
Culvert Data Standard	Active	3	3D Geomatics
Geodata Archive Implementation	Active	1	Archiving Imagery Workgroup? (sunset)
Publication of Open Foundational Datasets	Active	1	CANDO? (workgroup)
Underground Utilities Data Sharing Team	Active	1	Emergency Preparedness
Critical Infrastructure Data Workflow	Active	2	Emergency Preparedness
U.S. National Grid Materials	Active	3	Emergency Preparedness
Statewide Imagery Program	Recruiting	2	Image Service Sustainability? (On Hold)
K-12 GIS Resources Group	Recruiting		K-12
Parcel Data	Active	1	Outreach
Road Centerline Data	Active	2	Outreach
Address Points Data	Active	3	Outreach
Success Stories for Geospatial Technology	Active	4	Outreach
Updated and Aligned Boundary Data	Active	2	Parcel and Land Records
Statewide Survey Records Inventory	New	3	Parcel and Land Records
Statewide County Boundary Dataset	New	4	Parcel and Land Records
More fully attributed statewide parcel data	New	5	Parcel and Land Records
Remonumentation of all Section Corners	Active	1	Parcel and Land Records/PLSS Preservation?

Committee / Standalone WG	Priority Projects
3D Geomatics	3
Awards	0
Emergency Preparedness	3
Image Service Sustainability (on hold)	1
Outreach	4
Parcels and Land Records	5
PLSS Preservation	0
K-12	1
Standards	0
Contributing to Nationwide and Commercial Data Assets	1

- Committees do not need to be specific to a priority but may serve other GAC mission needs; therefore, there may be committees that exist in addition to those working on community priorities.

Quarterly Reporting Improvements

- Reporting on GAC Priority Projects will be rolled up into committee reports

- Priority workgroups will report to the committee and the committee will report to the GAC

- Removes the uncertainty around committee/sub-committee/workgroup titles and which Survey123 to respond to (or both!)

- Reduces duplicate entries

- This ensures the status of all GAC priorities are captured in the quarterly meeting agenda packet

Committee and Sector Presentations to GAC

- Each committee will present at (a minimum of) one quarterly GAC meeting during the 2-year GAC appointment term/priority cycle

- Priority project updates will be included in agenda packets, presentations will be upon request

- Some of the GAC meeting time previously allotted to priority project updates will be allocated to sector reports

- Round robin updates will be reinstated at the end of each meeting for any GAC member or guest to make an industry relevant announcement

- Desire to transition the GAC web presence to an Esri Hub

- Each GAC Committee will have an Esri Hub that links out from the main GAC site

- GAC Committees representatives will be given editing permission to manage their own Hub site

GAC Member as Committee Vice-Chair

- Proposal to add GAC member to Committee leadership as Vice-Chair

  - Assists as a representative to the GAC, ensuring alignment and consistency with GAC policy and communication/documentation standards

  - Supports the development of the Committee Hub

  - May be new to the Committee and less familiar with the past work success and Committee history

  - Potentially not as familiar with the area of expertise

  - Committees with a GAC member serving as Chair may choose not to add a Vice-Chair position

    - This proposal applies to stand alone workgroups that are not associated with a Committee.

Committee Chair and Co-Chairs

- Current GAC Committee Chair:

  - Subject matter expert

  - Has given substantial volunteer time commitment to the effort

  - Has demonstrated leadership to date

  - May already be a GAC member

  Reminder: Every GAC member should participate in one priority project workgroup or GAC Committee.

Current Status of Committee Leadership

Committee / Standalone WG	Committee or Standalone W	GAC Member Leade	Notes
3D Geomatics	Committee	Yes	
Awards	Committee	Yes	
Contributing to Nationwide and Commercial Data Assets	Standalone WG	Yes	
K-12	Committee	Yes	
PLSS Preservation	Committee	Yes	
Image Service Sustainability	Committee	Other	Committee on hold
Emergency Preparedness	Committee	No	
Outreach	Committee	No	
Parcels and Land Records	Committee	No	
Standards	Committee	No	

GAC Membership and Committee Chair Retreats

- GAC retreats outside of regularly scheduled GAC meetings

- Prior to the first GAC meeting of a new 2-year member term, Executive Team will host a GAC membership overview for new and returning members to set the stage for understanding the GAC and what is involved with the 2-year commitment.

- Yearly, Executive Team will host a gathering of committee chairs to align priorities across the Committees, GAC membership, and the GIS community.

Why are these changes being proposed?

1. Improve GAC structure

   - Ensure accountability of GAC committees and/or workgroups by having GAC members as part of their leadership

   - Improve alignment between GAC priorities and GAC committees and/or workgroups

   - Increase participation of GAC members in priority work

2. Improved alignment between the GAC and Minnesota Geospatial Information Office (MnGeo), MNIT

   - By statute, the Geospatial Advisory Council (GAC) members are appointed by the Commissioner of Minnesota IT Services (MNIT) and supported by Minnesota Geospatial Information Office (MnGeo) and, like other state supported Boards and Councils, serves as a function of State Government and is subject to state communication and conflict of interest policies.

        Subd. 8.Geospatial Advisory Council created. (a) The chief information officer must utilize a governance structure that includes an advisory council to provide recommendations for improving the operations and management of geospatial technology within state government and also on issues of importance to users of geospatial technology throughout the state.

        (b) The Geospatial Advisory Council must advise the Minnesota Geospatial Information Office regarding the improvement of services statewide through the coordinated, affordable, reliable, and effective use of geospatial technology.

Mid-Term Priority Projects Check-In
Maddox

Mid-Term Priority Projects Check-In: Cycle Recap

- Moving from a one-year to a two-year priority project cycle mirroring GAC terms

    - Allows more time to work on priority projects

    - Encourages GAC member participation on active priority projects by aligning GAC priorities with membership terms

    - Minimizes level of effort and time spent in quarterly meetings on discussion and determining priorities, allowing that time to be spent on furthering the actual work

- No call for priorities will be sent this year

- Added a process for on-hold and retiring priorities

Mid-Term Priority Projects Check-In: Priorities Recap

1. Statewide Parcel Data
2. Statewide Address Points Data
3. Statewide Road Centerline Data
4. Publication of Open Foundational Datasets
5. More Fully Attributed Statewide Parcel Data
6. Critical Infrastructure Data Workflow
7. Underground Utilities Data Sharing Team
8. US National Grid Materials
9. Culvert Data Standard
10. Planned Land Use Data Standard
11. Updated and Aligned Boundary Data

12. Statewide County Boundary Dataset
13. Lidar Data
14. Hydro-DEMs
15. Statewide Imagery Program
16. Geodata Archive Implementation
17. Success Stories for Geospatial Technology
18. K-12 GIS Resources Group
19. Remonumentation of all original federal Section Corners
20. Statewide Survey Records Inventory

Priority Project Update: Statewide Parcel Data

- **Most Recent Success:** The Open Data Workgroup of the GAC Outreach Committee meets every 6 weeks to discuss status and strategy of encouraging counties to opt-in to sharing data toward statewide composites.

  - Since the last GAC meeting, **12 additional counties** have agreed to opt-in to sharing their parcels to the Statewide Opt-in Composite available on the MN Geospatial Commons.

  - Of 87 MN counties, **53 contribute** parcels to date.

  - Parcels are available for download on the MN **Geospatial Commons**.

  - The data is being refreshed on a **quarterly basis** and was last published in August of 2024.

- **Next Activity / Task:** Continue regularly scheduled GAC Open Data workgroup meeting every 6 weeks and outreach to non-participating counties.

- **Barriers:** Lack of support for and/or unclear open data policies at county level.

- **Request for Assistance:** Recruiting county GIS staff to facilitate peer-to-peer promotion of open data.

Heather Albrecht

Priority Project Update: Statewide Address Points Data

- **Most Recent Success:** Open Data Workgroup of the GAC Outreach Committee meets every 6 weeks to discuss status and strategy of encouraging counties to opt-in to sharing data toward statewide composites.

  - Since the last GAC meeting, **12 additional counties** have agreed to opt-in to sharing their address points to the Statewide Opt-in Composite available on the MN Geospatial Commons.

  - Of 87 MN counties, **44 contribute** address points to date.

  - Address points are available for download on the MN **Geospatial Commons**.

  - The data is being refreshed on a **quarterly basis** and was last published in August of 2024.

- **Next Activity / Task:** Continue regularly scheduled GAC Open Data workgroup meeting every 6 weeks and outreach to non-participating counties.

- **Barriers:** Lack of support for and/or unclear open data policies at county level.

- **Request for Assistance:** Recruiting county GIS staff to facilitate peer-to-peer promotion of open data.

Heather Albrecht

Priority Project Update: Statewide Road Centerline Data

- **Most Recent Success:** The Open Data Workgroup of the GAC Outreach Committee meets every 6 weeks to discuss status and strategy of encouraging counties to opt-in to sharing data toward statewide composites.

  - Since the last GAC meeting, **12 additional counties** have agreed to opt-in to sharing their road centerlines to the Statewide Opt-in Composite available on the MN Geospatial Commons.

  - Of 87 MN counties, **43 contribute** road centerlines to date.

  - Road centerlines are available for download on the MN **Geospatial Commons**.

  - The data is being refreshed on a **quarterly basis** and was last published in August of 2024.

- **Next Activity / Task:** Continue regularly scheduled GAC Open Data workgroup meeting every 6 weeks and outreach to non-participating counties.

- **Barriers:** Lack of support for and/or unclear open data policies at county level.

- **Request for Assistance:** Recruiting county GIS staff to facilitate peer-to-peer promotion of open data.

Heather Albrecht

Priority Project Update: Publication of Open Foundational Datasets

- **Most Recent Success:**

  - Successfully shared Centerlines and Address Points from 10 counties with the Esri Community Maps Program as a pilot through MetroGIS. This data is now being used in the Esri World Geocoding Service.

  - Ramsey and Washington worked with Esri on the process to improve TomTom centerline data. Washington County data review is complete and live in TomTom. Ramsey review is underway.

- **Next Activity / Task:**

  - Continue working with Esri on the Community Maps Program/TomTom update process.

  - Expand the number of counties included in submission of data through the Community Maps Program.

  - Continue to work with Apple and Google to share our authoritative data.

  - Recommend Open Data license type (PRRL v1.0 with CC0 as second option).

- **Barriers:** Availability of statewide address point and centerline data that can be shared.

- **Request for Assistance:** None

David Brandt

- **Most Recent Success:** No update

- **Next Activity / Task:** No update

- **Barriers:** No update

- **Request for Assistance:** No update

Stacey Stark

Priority Project Update: Critical Infrastructure Data Workflow

- **Most Recent Success:** Prepared a rough draft for a data endorsement process (to be further developed by a workgroup). Presented on MN Critical Infrastructure Data to the NSGIC Geospatial Preparedness Workgroup. Updated the Critical Infrastructure app to collect validation of certain themes.

- **Next Activity / Task:** Roll out Critical Infrastructure app for validation of C.I. themes. Prepare Fire Station dataset as a test case for GAC endorsement.

- **Barriers:** None

- **Request for Assistance:** Help our committee members gain access to Sharepoint site.

Stacey Stark

Priority Project Update: Underground Utilities Data Sharing Team

- **Most Recent Success:**

- Project Team meetings during CY reporting period (3/4): March 14, June 13, September 26 (planned).

- Complete development of a statewide system which can aggregate diverse utility geospatial data and make same available for testing by select utilities and others: Software product, FuzionView (fuzionview.org), currently rated at 85% complete.

- Deliver at least one presentation about overall team efforts at an established community appropriate conference or webinar (9/1): Nine presentations have been given to date with four more scheduled through the end of the year.

- Publish at least one article about the Project Team in a publication of importance to the industry: Although no hard copy items have been produced so far this year, Chair Cederberg has been coordinating closely with the Common Ground Alliance on production of a video supporting the project. In addition, the Pipeline and Hazardous Materials Safety Administration has indicated interest in doing same during 1st quarter 2025.

- Continue efforts to develop project champions in the underground utility and regulatory communities: Ongoing.

- **Next Activity / Task:** Continue working toward achievement of 2024 Work Plan goals.

- **Barriers:** Being handled dynamically by Project Team as they occur.

- **Request for Assistance:** Currently nothing specific to the MGAC.

Steve Swazee

Priority Project Update: U.S. National Grid Materials

- **Most Recent Success:**

  - Project Team meetings (USNG Implementation Work Group) during CY reporting period (4/4): January 24, April 24, June 20, October 16 (planned).

  - Complete development of the USNG Institute's three sponsored websites: Ongoing.

  - Develop documentation for USNG map production: No progress this period.

  - Assist other government entities with publication of USNG maps for their areas of responsibility: No progress this period.

  - Complete USNG map and mapbook publishing application on USNG Center (www.usngcenter.org): Ongoing.

  - Continue development of USNG instructional videos: No progress this period.

  - Conduct workshops and presentations: Presentation at MN GIS/LIS Annual Conference scheduled for later this year.

- **Next Activity / Task:** Continue working toward achievement of 2024 Work Plan goals.

- **Barriers:** Being handled dynamically by Project Team as they occur.

- **Request for Assistance:** Currently nothing specific to the MGAC.

Steve Swazee

Priority Project Update: Culvert Data Standard

- **Most Recent Success:** Members of the Culvert Data Standard Subgroup met with MNDOT staff and a vendor to discuss culvert availability across the state. Knowledge concerning datasets and availability was shared. Business uses of the data will be helpful in identifying attributes in the standard.

- **Next Activity / Task:** Review of datasets that were submitted during the survey will be completed and initial review of common attributes will be begin. Members will reach out to County staff to request datasets for review.

- **Barriers:** Time available for members to focus on standards is the greatest barrier in this process.

- **Request for Assistance:** Strong advocates for the Culvert Standard could be added to co-chairs to assist with review of data.

Rick Moore

Priority Project Update: Planned Land Use Data Standard

- **Most Recent Success:** No progress

- **Next Activity / Task:** Priority owner and/or workgroup needed

- **Barriers:** No priority owner, workgroup, or volunteers

- **Request for Assistance:** Volunteers needed

Priority Owner Needed

Priority Project Update: Updated and Aligned Boundary Data

- **Most Recent Success:** PLRC approved a PLSS Point Standard for submittal to the Standards Committee

- **Next Activity / Task:** Submit PLSS Point Standard the Standards Committee

- **Barriers:** Volunteer time

- **Request for Assistance:** None

Preston Dowell

Priority Project Update: Statewide County Boundary Dataset

- **Most Recent Success:** Had a kick-off meeting with state agency and Met Council representatives on August 6th. The dataset attributes are fairly similar between the MnDNR, MnDOT, and Met Council layers. We are going to use the GAC format for the fields in the new unified layer. Started to discuss how to handle geometry differences between the 3 layers, especially with regards to Lake Superior.

- **Next Activity / Task:** Setting up monthly meetings with the group. A proposed schema will be developed and shown how it relates to the 3 datasets. Megan and Kory are to meet with the Arrowhead Geospatial Collaborative to discuss how they are representing county boundaries along Lake Superior, especially with regards to islands and extending into the lake or not. Megan and Kory are to bring this back to the workgroup for discussion and resolution.

- **Barriers:** Once the state agencies and Met Council develop the unified layer we are going to have to bring this to the GAC and the counties to see if we can get all groups to agree on a unified solution.

- **Request for Assistance:** We will be bringing attributes not yet standardized to the GAC Standards Committee to help develop standards for those fields.

Ben Timerson

- **Most Recent Success:** Work continues between the Lidar Derivatives subgroup and MnGeo on MnTOPO 2.

  - 3Dep compliant data is available through the 3DEP program: https://www.usgs.gov/3d-elevation-program

- **Next Activity / Task:** Members of the 3D Geomatics Committee will be presenting at the 34th Annual GIS/LIS Consortium Conference & Workshops:

  Providing Enhanced Forest Inventory Through LiDAR Processing and Modeling, Jennifer Corcoran, *MN DNR*

  Data Development of Derivatives to support Dissemination of Minnesota's LiDAR Acquisitions, Rick Moore, *Minnesota IT Services @ MN DNR*

  Panel | 3D Geomatics Steering Committee Update of the Minnesota LiDAR Plan

- **Barriers:** None

- **Request for Assistance:** None

Gerry Sjerven

- **Most Recent Success:** No update

- **Next Activity / Task:** No update

- **Barriers:** No update

- **Request for Assistance:** No update

Sean Vaughn

Priority Project Update: Statewide Imagery Program

- **Most Recent Success:** There has been minimal progress during this last reporting period. We have formulated a small group and will be soon deciding on next steps for strategic planning. We've discussed what other states are doing, changes coming to the federal summer imagery program (NAIP), how MN funded spring imagery in the past, and generally what would be needed to maintain the autonomy and control the Counties currently have with image acquisitions.

- **Next Activity / Task:** We have formulated a small group and will be soon deciding on next steps for strategic planning. This may include expanding the group and will include consulting with more subject matter experts.

- **Barriers:** We are considering not naming this a "Program" because it may imply inaccurate function/scope at this stage.

- **Request for Assistance:** None

Jennifer Corcoran

- **Most Recent Success:** Within the Big Ten Geospatial Information Network, we have a Geodata Collection Pilot Working Group that has created an initial set of test datasets, determined staging environments for sharing datasets, and developed preliminary recommendations for building a geodata collection.

- **Next Activity / Task:** Select a broader range of sample data and add sample data to the staging area, determine minimum metadata requirements, and analyze and test new software features for data management.

- **Barriers:** The main barrier over the past six or so years has been a lack of funding, but we're hoping to work around that by building the archive for the entire Big Ten Geospatial Information Network.

- **Request for Assistance:** Not so much assistance as (future) input – *how can we leverage this to archive Minnesota data? Would a Big Ten Geodata Archive serve the need for a Minnesota Geodata Archive? What data would the state keep even if we add it to an archive? How do we avoid duplication? Do we need an Archiving Committee for these ongoing conversations?*

Ryan Mattke

- **Most Recent Success:** The workgroup has been on summer break and will continue its work this fall.

- **Next Activity / Task:** We anticipate the group to wrap up its work in the first quarter of 2025.

- **Barriers:** None

- **Request for Assistance:** None

Len Kne

Priority Project Update: K-12 GIS Resources Group

- **Most Recent Success:** We are presenting a lightning talk at GIS/LIS to connect with others in the GIS community. We are just getting started, so more successes to come!

- **Next Activity / Task:** Several committee members are attending GEOFEST on October 5 to hear from teachers and learn more about what they need. The committee is reaching out to personal/professional contacts to learn what schools, teachers and students need in order to integrate GIS.

- **Barriers:** None

- **Request for Assistance:** None

Shana Crosson

Priority Project Update: Remonumentation of all original federal Section Corners

- **Most Recent Success:** Kory Thurnuau has collected quarterly reports from all counties. All projects are moving ahead.

- **Next Activity / Task:** Kory will be collecting third quarter reports in October.

- **Barriers:** Minnesota needs to find permanent funding for statewide PLSS Remonumenation.

- **Request for Assistance:** We are looking to add Remonumenation funding to the Governor's budget. Legislative support is always encouraged.

Pat Veraguth

Priority Project Update: Statewide Survey Records Inventory

- **Most Recent Success:** Douglas and Grant County inventories have been created.

- **Next Activity / Task:** Look at other counties.

- **Barriers:** Time to do this work and other people to work on it.

- **Request for Assistance:** Each county is different and needs some hands on work.

Pat Veraguth

Round Robin / Announcements
All

Wednesday, December 18, 2024

10:00 a.m. - 12:00 p.m.

Online via Teams

Adjourn
Albrecht

Thank You!

Minnesota Geospatial Advisory Council

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