

Minnesota Geospatial Advisory Council Meeting

May 25, 2022

11:00AM – 2:00PM

In Person Option: Skjogstad Conference Room (Room 2000), Minnesota Department of Revenue,
600 N. Robert St., St. Paul, MN 55101

Online Option: Via Microsoft Teams¹

Agenda

1. Call to Order (Chair)	11:00	15 min
a. Introductions		
b. Approval of Agenda		
c. Approval of Meeting Minutes from March 30, 2022		
2. Review and Accept Committee Summaries (All)	11:15	10 min
3. Archiving Imagery Workgroup (Majewicz, Kernik)	11:25	5 min
4. PLSS Legislation update (Veraguth)	11:30	5 min
5. MN Natural Resource Atlas (Will Bartsch)	11:35	15 min
6. Break & networking (no lunch on site, bring your own)	11:50	45 min
7. Sector Reports (Maddox, Albrecht)	12:35	20 min
8. Legislative Updates (Slaats)	12:55	10 min
9. Updates on MN GAC Priority Projects and Initiatives (Brandt)	1:05	20 min
	1:25	15 min
10. Announcements or Other Business		
	2:00	
11. Adjourn		

¹ Contact MnGeo: gisinfo.mngeo@state.mn.us in advance for connection information

Awards Committee

Report date:

May 9, 2022

Prepared by:

Len Kne and Phil Nagel (committee co-chairs)

lenkne@umn.edu and Phil.Nagel@bolton-menk.com

Meetings:

No meetings this quarter.

Progress on work plan:

1. Promotion of the applications for the Governor's Commendation has taken place on MN GIS/LIS and GovDelivery channels.

Additional comments:

Next meeting TBD for early June to provide feedback to groups submitting draft recommendation packets for final submission on June 30th.

Emergency Preparedness Committee

Report date: May 25, 2022

Prepared by:

- Chair: Stephen Swazee, Executive Director, SharedGeo, chair@mgacepc.org, 651-456-5411
 - Vice Chair: Randy Knippel, GIS Manager, Dakota County, vchair@mgacepc.org, 952-891-7080
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Full Committee/Leadership Team

Meetings:

- Full committee: None this quarter
- Leadership Team: None this quarter

Progress on work plan:

- Conduct at least three meetings of the full committee during 2022
 - 1st meeting delayed until June
- Conduct at least four meetings of the leadership team (Chair, Co-chair, and Project Team chairs)
 - 1st meeting delayed until June
- Continue efforts to cleanup committee's online presence and bring efficiency to its IT infrastructure
 - Ongoing – Gained Hub access and will be working to bring in current EPC website and expand functionality
- Randy Knippel to serve as EPC liaison to the [Metropolitan Emergency Managers Association](#) (MEMA) by attending that association's monthly meetings
 - Ongoing as defined above

Additional comments:

- Since inception in December 2020, MGAC EPC YouTube channel as had 2,900 views:
https://www.youtube.com/channel/UC3hwp5_9t3BkiTt-hyALArg/
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Critical Infrastructure Assessment (CIA) Project Team – GAC PRIORITY
Stacey Stark, Associate Director, U Spatial, slstark@d.umn.edu, 218-726-7438

Meetings:

- Full Committee Meetings 1/14/22, 2/25/22, 3/16/22, 4/8/22
- Law Enforcement dataset meeting: 3/15/22
- Related Partner Meetings: 2/4/22, 4/7/22
- Resource Site Meetings: 2/4/22

Progress on work plan:

- Conduct at least three meetings of the Project Team during 2022
 - Full Committee Meetings 1/14/22, 2/25/22, 3/16/22, 4/8/22
- Develop updated data model (prioritizing fire and police) based on the previous standards identified in Minnesota Structures Collaborative project

- Done 5/6/22
- Publish comprehensive [statewide dataset of police](#) to the Minnesota Geospatial Commons
 - Done 5/6/22
- Pursue a long-term workflow to keep fire, law enforcement updated annually
 - In progress
- Request validation for 9 counties U-Spatial has projects with and remaining metro counties
 - All 9 counties from 2021 are validated.
- Maintain Esri online app for counties to validate their data (counties U-Spatial has other projects with, as a prototype for workflow)
 - On-going
- Develop workflow coordination with HSEM for fire, police, hospitals, schools.
 - On-going
- Continue to validate workflow with other partners
 - Meeting with COMM: 3/16/22 (Stark), 4/7/22 (Stark)
 - Booz Allen Hamilton – HIFLD: 2/16/22 (Stark), 4/8/22 (Full committee)
- Catalog available authoritative data sources
 - On-going
- Publish “C.I. resource site” on either MnGeo website or GAC Hub
 - Ready for publishing
- Develop strategy for outreach /promotion of work (use of GAC Hub)
 - Submission for MEMA April newsletter
 - Participation in GAC Hub subcommittee

Additional comments: None

Geospatial Assistance (GA) Project Team (Forming)
 Brian Huberty, SharedGeo, bhuberty@sharedgeo.org, 651-706-6426

Meetings: None this quarter

Progress on work plan:

- Conduct at least three meetings of the Project Team during 2022
 - Anticipate first meeting in June
- Complete charter and work plan and receive approval from the EPC Leadership Team
 - No progress this quarter
- Develop first draft of procedures to help emergency managers understand steps for requesting aerial imagery and/or GIS support from federal, state and private assets
 - No progress this quarter

Additional comments: None

Situational Awareness Sharing Initiative (SASI) Project Team

Nicole Helgeson, SharedGeo, (651) 285-5015

Meetings: None this quarter

Progress on work plan/Additional Comments:

- It has been decided to suspend any effort to form this Project Team and instead continue to facilitate collaboration between topic interested parties and the Critical Infrastructure Assessment Project Team (CIAPT). Effectively, the CIAPT will work to determine the best overall data set for a layer, see to it that the data layer is made known on the Geospatial Commons, and then those interested in MNSAV will work to refine that overall data set for use by the Emergency Service Sector (ESS). That data set will then get posted and maintained on MNSAV.
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Underground Utilities Mapping (UUM) Project Team – GAC PRIORITY

Barbara Cederberg, CEO, [Gopher State One Call](https://www.gopherstateonecall.org) (GSOC), barbara.cederberg@gopherstateonecall.org,
651-681-7303

Stephen Swazee, MGAC EPC, Chair, chair@mgacepc.org, 651-456-5411

Meetings:

- Leadership team: 1/21/22, 2/18/22, 3/25/22, 4/22/22, next 5/20/22
- Large Group: 1/27/22, 2/24/22, 3/31/22, 4/28/22, next 6/30/22

Progress on work plan:

- Conduct at least eight monthly meetings of the Project Team during 2022
 - Leadership team: 1/21/22, 2/18/22, 3/25/22, 4/22/22, next 5/20/22
 - Large Group: 1/27/22, 2/24/22, 3/31/22, 4/28/22, next 6/30/22
 - Fusion View Work Group: 1/28/22, 2/18/22, 2/25/22, 3/11/22, 3/25/22, 4 times/mo. thereafter
- Produce a “Way Forward” blueprint document
 - Background research and draft prep continues
- Complete development of a prototype system which can aggregate diverse utility geospatial data and make available for other project identified needs
 - Prototype data management system (Fusion View) Work Group is meeting four times a month, phase 1 prototype awaiting completion of integration configuration at One Call Concepts (Gopher State One Call service provider)
- Deliver at least one presentation about overall team efforts at an established community appropriate conference (or webinar)

- February 10: Steve Swazee, national Geologic Mapping Forum as hosted by Director of the Minnesota Geological Survey, State Geologist of Minnesota, and Professor in the Department of Earth and Environmental Sciences at the University of Minnesota, Harvey Thorleifson (webinar)
- February 24: Steve Swazee, Minnesota Society of Professional Surveyors 2022 Conference, Alexandria, MN (in person)
- March 3: Travis Beran, Global Excavation Safety Conference, Phoenix, AZ (in person)
- March 22-25: Geoff Zeiss, chaired Subsurface Utility Mapping Strategy Forum (international virtual conference)
- April 6: Barb Cederberg, CGA Conference & Expo, Anaheim, CA (in person)
- Publish at least one article about the Project Team in a publication of importance to the industry
 - Currently working development of second article with Damage Prevention-Pro staff.
- Continue efforts to develop project champions in the underground utility and regulatory communities
 - Statements of support: None this year so far
 - Outreach Plan: May 16, 2022, held first concept discussion with Minnesota engineering firm, WSB. Initial feedback very positive.

Additional comments:

- February 28: Select members of the UUMPT received brief from Geoscience Technical Adviser, National Underground Asset Registry, Geospatial Commission, Holger Kessler, concerning the U.K's effort which parallels the UUMPT. Call included several members of the United Kingdom's Cabinet Office. Teams anticipate further collaboration going forward.

U.S. National Grid (USNG) Project Team – GAC PRIORITY

Randy Knippel, GIS Manager, Dakota County, Randy.Knippel@co.dakota.mn.us, 952-891-7080

Meetings:

- USNG Implementation Work Group: 3/16/22, 4/19/22, 5/17/22, next 6/15/22

Progress on work plan:

- Conduct at least quarterly meetings of the USNG Implementation Working Group during 2022
 - 3/16/22, 4/19/22, 5/17/22, next 6/15/22
- Develop documentation for production of 10K maps
 - No progress this quarter
- As appropriate, publish or assist other government entities with publication of USNG maps for their areas of responsibility
 - No activity this quarter
- Refine, update, and publish Minnesota statewide 1K maps
 - No progress this quarter
- Work with SharedGeo to complete a new USNG mapbook publishing application on USNG Center (www.usngcenter.org)
 - Development nearing completion. Anticipate release before end of quarter.
- Continue development of USNG training videos focused on USNG map production
 - This effort to be developed going forward in conjunction with other members of the national USNG Implementation Work Group

- SharedGeo has reworked its WLIA virtual conference booth into a more generic booth featuring USNG information (www.sharedgeobooth.org)
- Conduct workshops and presentations where appropriate
 - None this quarter

Additional comments:

- After nearly a year of discussions with the 9-person leadership team of the USNG Implementation Working Group, on March 7, Minnesota geospatial research and development nonprofit SharedGeo accepted the USNG Institute (USNGI) as a Fiscal Sponsorship project. This IRS designation will allow the USNGI to operate as a nonprofit without the associated need to file annually with the IRS. Both parties agree this approach will allow the USNGI to either emerge as a self-standing 501 (c) 3 or return to operations as a loosely affiliated group of individuals with an interest in promoting use of USNG. Members of the EPC have been integral to making this development happen.
 - USNGI now has its own tax deductible donation webpage at: <https://www.givemn.org/story/Usngi>
 - Updated version of USNGapp.org (sponsored by SharedGeo) awaiting final legal review before release.
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Parcel Land Records Committee (PLRC)

Report date:

05/16/2022

Prepared by:

Preston Dowell, 218-742-9824, dowellp@stlouiscountymn.gov

Meetings:

Whole PLRC - NA

Boundary Alignment subcommittee – NA

Open Data subcommittee – April 21, 2022

Remonumentation subcommittee – April 6, 2022

Progress on work plan:

The work of the PLRC is primarily completed by in the subcommittees as outlined below

Boundary Alignment Subcommittee

No meetings, see previous report.

Open Data Subcommittee:

The PLRC Open Data Parcel Workgroup met on April 21. The activities of the Open Data Parcel Subcommittee focus on GAC priority 2 “Statewide publicly available parcel data.”

Since the last GAC meeting, another survey was sent out asking counties to opt into the public parcel dataset. “Parcels, Compiled from Open Data Counties, Minnesota” is published by MnGeo on the Geospatial Commons (<https://gisdata.mn.gov/dataset/plan-parcels-open>).

We have added 3 more counties to the public parcel dataset. The counties added are Clearwater, Otter Tail and Pope.

GovDelivery was sent out announcing the “Parcels, Compiled from Open Data Counties, Minnesota”

The Open Data Parcel Subcommittee is going to be meeting with MCGISA to talk about working with them and AMC on Open Parcel Data.

The Online Communication Team is working on developing a story map on Open Parcel Data.

The Remonumentation Subcommittee:

The activities of the Remonumentation Subcommittee support GAC priority 13 “Remonumentation of all section corners in the state”.

The subcommittee developed a hub initiative site: <https://mnplss-umn.hub.arcgis.com/> that gets updated all the time.

The Remonumentation Subcommittee has only met once since the remonumentation legislation has been submitted. We have done a lot of emailing back and forth keeping everyone on the committee informed on what is going on with the legislation.

The legislation was submitted to committees in the House and Senate. Neither of them got a hearing. We are looking forward to next year to get this passed.

Alternate legislation has been submitted to create a report on the state of PLSS remonumentation in Minnesota.

The Senate State Government Finance and Policy and Elections Committee has created an Omnibus State Government, Transportation and Veterans Policy and Supplemental Appropriation bill which has the PLSS report included in it.

[SF 3975 2nd Engrossment - 92nd Legislature \(2021 - 2022\) \(mn.gov\)](#)

Representative Paul Anderson introduced this in the house which has the same language.

<https://www.revisor.mn.gov/bills/bill.php?b=House&f=HF4831&ssn=0&y=2022>

The House Omnibus State Government Finance Bill does not have the PLSS report language in it yet.

[HF 4293 3rd Engrossment - 92nd Legislature \(2021 - 2022\) \(mn.gov\)](#)

Time will tell if this will get passed this year or not. We plan on proceeding with this report whether it gets passed in the legislature or not.

Meet Me at the Corner was held in Spicer on May 4th. We had around 30 people attend, and the weather cooperated. We are planning to hold another one at the Fall GIS/LIS Consortium.

Additional comments:

A lot of time and effort has been spent on the remonumentation legislation. We will keep the fight moving forward!

Standards Committee

Report date:

May 25, 2022

Prepared by:

Mark Kotz, Chair (mark.kotz@metc.state.mn.us)

Curt Carlson, Vice Chair (curtis.carlson@state.mn.us)

Meetings in 2022:

1/19/22 Stream ID standard subgroup

2/8/22 Standards Committee

2/14/22 Emergency Service Zone standard subgroup

2/22/22 Stream ID standard subgroup

4/1/22 Standards Committee meeting

Full committee [Meeting minutes available here](#)

Progress on work plan:

1. Review draft Emergency Service Zone Data Standard for adoption by the GAC
 - a. Initial draft of standard was presented to committee 2/8/22
 - b. SME subgroup reviewed comments from Standards Committee and made revisions 2/14/22. Revised draft submitted back to Standards Committee
 - c. Draft approved by standards committee 4/1/22 and published for public review period ending 7/31/22
2. Review draft Stream ID standard for adoption by the GAC (this is a revision of a former GCGI standard)
 - a. SME group reviewed and modified standard at meetings on 1/19 and 2/22. Revised standard to be submitted to Standards Committee
 - b. Draft approved by standards committee 4/1/22 and published for public review period ending 7/31/22
3. Review Stormwater Data Standard for adoption or endorsement by the GAC
 - a. MetroGIS Stormwater standard presented to Standards Committee 2/8/22
4. Updating standards workflow to more deliberately announce/promote newly approved standards
5. Work with stakeholder groups to modify remaining original Governor's Council on Geographic Information (GCGI) standards to the GAC format and have adopted by the GAC. This will involve review and possibly changes to these standards.
 - a. Minnesota Geographic Metadata Guidelines
 - b. Codes for Identifying Watersheds
 - c. Codes for Identifying Lakes and Wetland Basins
6. Facilitate the creation of usage guides for key GAC standards as time and resources permit.

Archiving Imagery Workgroup - Charter

Mission statement:

Investigate best practices for archiving imagery data and continue to build on the work of the [Archiving Pilot Workgroup, Archiving Implementation Workgroup, and Archiving Workgroup](#).

Objectives and Deliverables:

Objectives

- Research the historical and current formats of imagery data
- Assess the monetary investment involved in the original creation of Minnesota imagery
- Consult with the Image Service Sustainability Committee on planning workflows for image service retirements
- Identify any major challenges with archiving imagery data, such as space considerations due to the size of the files
- Evaluate existing practices and potential strategies for transferring, storing, transforming, documenting, and archiving imagery data

Deliverables

- Final Report of our findings
- A poster (or presentation) at the 2022 MN GIS/LIS Conference

Resource requirements and timing:

People time

Monthly web meeting

Deliverables likely by December 2022

Anticipated participants and their roles and responsibilities:

Group Membership:

- Melinda Kernik - University of Minnesota Libraries (Vice Chair)
- Carol Kussmann - University of Minnesota Libraries
- Karen Majewicz - University of Minnesota Libraries (Chair)

Resource People (consulted as needed):

- Brent Lund - MNIT / MnGeo
- Matt McGuire - Met Council & Image Service Sustainability Committee

- Jennifer Corcoran - DNR Remote Sensing Program Consultant
- Ryan Mattke - University of Minnesota Libraries

Stakeholders:

MnGeo

Government agencies at all levels

Minnesota State Archives (Minnesota Historical Society)

Researchers

All users of historic geospatial data

Higher Education

Non-profit organizations

Private sector

Prepared by:

Melinda Kernik - kerni016@umn.edu

Karen Majewicz - majew030@umn.edu

Ryan Mattke - matt0089@umn.edu

Date approved by the Geospatial Advisory Council:

Archiving Imagery Workgroup - Work Plan

Work Plan date:

May 2022

Chair and vice chair:

- Melinda Kernik - University of Minnesota Libraries (Vice Chair)
- Karen Majewicz - University of Minnesota Libraries (Chair)

Link to committee/workgroup charter:

[Archiving Imagery Workgroup Charter](#)

Work Plan for 2022

Planned activities and deliverables:

- Kickoff meeting (June 2022)
- Background Research (June-August 2022):
 - inventory the historical and current formats of imagery data
 - determine the monetary investment involved in the original collection of this imagery
- Archives Research (August-October 2022)
 - Consult with the Image Service Sustainability Committee on planning workflows for image service retirements
 - Identify any major challenges with archiving imagery data, such as space considerations due to the size of the files
 - Evaluate existing practices and potential strategies for transferring, storing, transforming, documenting, and archiving imagery data
- Write final report (November 2022)
- MN GIS/LIS Outreach (May - October 2022)
 - Submit poster proposal for GIS/LIS (May 2022)
 - Present at 2022 GIS/LIS (October 2022)
- Present to GAC quarterly meeting (December 2022)

Roles and responsibilities:

- Workgroup Members:
 - Melinda Kernik - University of Minnesota Libraries
 - Carol Kussmann - University of Minnesota Libraries

- Karen Majewicz - University of Minnesota Libraries

Estimated time commitment for Workgroup Members is 10 hours per month (meetings, research, writing). Some participants will be needed to work on specific one-time tasks that may be more time consuming.

- Resource People (consulted as needed):
 - Brent Lund - MNIT / MnGeo
 - Matt McGuire - Met Council & Image Service Sustainability Committee
 - Jennifer Corcoran - DNR Remote Sensing Program Consultant
 - Ryan Mattke - University of Minnesota Libraries

Resources:

N/A

Committee/workgroup needs:

None at this time

Dependencies and interrelationships:

- Coordination with the Image Service Sustainability Committee

Risks:

- Risks include:
 - Lack of interest or enthusiasm from data producers
 - Technical and space requirements for archiving imagery data
 - Issues identifying funding
- Risk mitigation will include:
 - Outreach and communication about the goals of the workgroup
 - Planning and collaboration with regards to technology
 - Collaboration and communication in seeking funding

Additional Comments:

None at this time

Date approved by the Geospatial Advisory Council: