Minnesota Geospatial Advisory Council Meeting

December 11, 2019

Blazing Star Room, Ground Floor, Centennial Office Building

658 Cedar St., St. Paul, MN 55155

11:00 a.m. – 2:00 p.m.

Agenda

1.	Call to order (Chair) a. Introductions b. Approval of agenda c. Approval of meeting minutes from 9/4/2019	11:00	15 min
2.	Review and accept committee summaries (All) – *page 2*	11:15	5 min
3.	Vote on new leader positions	11:20	5 min
4.	GAC presentations at GIS/LIS Conference – Roundtable (All)	11:25	10 min
5.	Group to further flesh out MNIT Commissioner's ideas (Ross) – *page 15*	11:35	10 min
6.	Archiving Implementation Workgroup – request for approval (Mattke) – *page 16*	11:45	10 min
7.	Parks and trails data standard – status update (Bunning, Brandt)	11:55	5 min
8.	Break Networking	12:00	30 min
9.	MN Geospatial Priorities Survey results and GAC priorities (Kotz) – *page 20*	12:30	40 min
10.	Retiring items from the priorities list (Kotz)	1:10	10 min
11.	Updates on MN GAC priority projects and initiatives– *page 25*	1:20	10 min
12.	Draft statewide LiDAR acquisition plan – What is the GAC role? (Sjerven, Slaats)	1:30	10 min
13.	Legislative update and US survey foot (Ross)	1:40	5 min
14.	Announcements or other business (All)	1:45	15 min
15.	Adjourn	2:00	

Agenda Item 2. Review and Approval of Committee & Workgroup Summaries

3D Geomatics Committee

Report date: 12/4/2019

Prepared by: Steering Committee Co-Chairs: Sean Vaughn, Gerry Sjerven

Meetings:

- Steering committee
  - 6/19/2019, 7/16/2019, 9/17/2019, 10/15/2019, 11/19/2019
- Hydrogeomorphology Workgroup
  - See attached report
- Education Workgroup
  - See attached report

Progress on work plan & Next Steps:

- Committee and Workgroups are on track for meeting objectives for the year.
- Developed the *'Draft Minnesota State Lidar Plan'* in October 2019
  - Presented 'Let's Talk About Bringing New and Enhanced Lidar Data to Minnesota' at the 2019 MN GIS/LIS Consortium Conference in St. Cloud, MN
  - Developed a Draft Story Map to support the draft Lidar Plan
  - Held a meeting in Duluth, MN to discuss NE Forested Area Acquisition
- Submitted Lidar Funding Proposal for the Rainy Lake Acquisition Block (see page 21 of the Draft Lidar Plan) to USGS through their 3D Elevation Program (3DEP) using the Broad Agency Announcement (BAA) process. The BAA is a federal funding mechanism that guides partnerships between the US Geological Survey (USGS) and other Federal agencies with other public and private entities seeking high-quality 3D lidar Elevation data acquisition.
- Discussion and formation of the Data Acquisition Workgroup in progress, Workplan almost completed
- SharePoint site for committee collaboration, hosted by MnGeo and administered by Alison Slaats
- Work continues to add new members to the Committee
- Hydrogeomorphology Workgroup – Report provided below
- Education Workgroup – Report provided below
  - Held first meeting December 3, 2019
- Infrastructure and Vegetation Workgroups
  - Both of these workgroups will be reimagined to fulfill direct needs now that the Data Acquisition Workgroup is established
- Drafted/Drafting Next Steps and Role for the Steering Committee
  - Finalize workplan for the Data Acquisition Workgroup
  - Prepare Workplan for 2020

3D Geomatics Committee: Hydrogeomorphology Workgroup

Report date: 11/27/2019

Prepared by: Andrea Bergman, Jamie Schulz, Rick Moore, Sean Vaughn

Meetings:

- Monthly workgroup meetings held. Eight meetings have been held since last update in February 2019
  - 3/12/2019 (minutes)
  - 4/9/2019 (minutes)
  - 5/14/2019 (minutes)
  - 6/11/2019 (minutes)
  - 8/13/2019 (minutes)
  - 9/10/2019 (minutes)
  - 10/8/2019 (minutes)
  - 11/14/2019 (minutes to be posted when complete)
- Breachline subgroup continued to meet monthly throughout 2019 and will continue in to 2020
- Data Catalog subgroup met several times during the first half of 2019
- Foundational Hydrography Data Stewards met in October
  - Intent was to gather key data stewards at State agencies quarterly to discuss any news, issues, development, needs
  - Proposal was made to establish this group as a subgroup of the Hydrogeomorphology workgroup rather than a stand-alone group

Progress on work plan:

- Established workgroup SharePoint site
  - Included calendar of relevant upcoming events, conference, training opportunities
  - Uploaded workgroup documents including work plans, agendas, minutes, presentations, funding opportunities, and meeting recordings
  - Assigned permissions to all members based on participation role and invited them to access the SharePoint site
- Digital Dam Breachline Subgroup
  - Built a foundation for statewide standardized breachline database
    - The next phase required to move this foundation from plan to implementation of the functional database will require additional commitment of time, labor and funding.
  - Created a centralized authoritative map of current breachline datasets
    - Will be published on Breachline Subgroup webpage in December
  - Identified non-member breachline datasets for inclusion in authoritative database
  - Continued to promote the need for a Digital Dam Breachline (burn line) QA/QC Project
    - Funding for this effort is yet to be established
  - Explored the role of the DNR Culvert Inventory App in digital dam breachline mapping and dissemination
    - Gathered member consensus on requirements for standalone App in future
- Data Catalog Subgroup
  - Cataloged and updated references to authoritative data sources
  - Continuing to identify data needs not covered by existing data

- Working to identify requirements of LiDAR collects to meet these needs

Additional comments:

- 2020 work plan has been drafted and will be circulated and approved by workgroup members at January meeting
- The workgroup will continue efforts of both existing subgroups as well as discuss the addition of the foundational data stewards group
- Work completed by the breachline and data catalog subgroup will be inputs necessary for developing standards to guide LiDAR derived hydrography products
- Expanding workgroup scope to include needs for soils will be a focus in 2020

3D Geomatics Committee: Education Workgroup

Report date: 12/4/2019

Prepared by: Joel Nelson

Meetings:

- Monthly workgroup meetings held. Eight meetings have been held since last update in February 2019
  - 12/3/2019
- Education Workgroup inaugural meeting on 12/3/2019
  - Introduced 3D Geomatics Committee and state structure
  - Discussed membership
  - Introduced Workplan
  - Solicited ideas for further meetings and workplan

Progress on work plan:

- Established workgroup SharePoint site
  - Updated membership
  - Updated workplan
- Established 3D Geo Education Workgroup web-page through MNIT and Nancy Rader
  - Workplan listed
  - LiDAR Education Resource links listed
- Workplan Updated from original drafts
  - Identified need to:
    - Inventory more existing LiDAR education and training resources
    - Determine audience and skill level assessment
    - Develop curricular objectives
    - Explore idea of 3D Geomatics Training website
      - Onestop for existing resources
      - Onestop for all LiDAR training activities in state

- 2020 work plan has been drafted and will be circulated and approved by workgroup members at January meeting

Awards Committee

Report date:
December 11, 2019

Prepared by:
Cory Richter
Chair
crichter@blainemn.gov

Meetings:
1/8/2019, 2/1/2019, 4/24/2019, 5/14/2019, 6/18/2019

Progress on work plan:

1. Reviewed two applications for the 2019 Governor's Commendation. Recommended that both projects receive the commendation at the 2019 MN GIS/LIS Fall Conference.
2. Committee was formalized at the September 4, 2019 GAC meeting
3. Committee members Mathews and Brandt created and presented promotional posters at the annual conference for the 2019 recipients and the historical recipients.

Additional comments:

Emergency Preparedness Committee

Report date: December 11, 2019

Prepared by:
Randy Knippel
GIS Manager, Dakota County
Randy.knippel@co.dakota.mn.us

Steve Swazee
President, SharedGeo
sdswazee@sharedgeo.org

Meetings:
Committee

- October 10, 2019
- December 19, 2019 (scheduled)

Damage Assessment Tiger Team

- March 20, 2019
- May 20, 2019
- August 20, 2019

USNG Implementation Working Group (IWG)

- April 25, 2019
- July 24, 2019
- October 23, 2019

Critical Infrastructure Assessment Workgroup

- March 6, 2019
- March 13, 2019
- May 30, 2019

Progress on work plan:
USNG Tiger Team

Randy Knippel - lead

- USNG Implementation Working Group (IWG)
    - https://sites.google.com/a/sharedgeo.org/usng-iwg/home
    - Continuing quarterly meetings
        - 24 participants (nation-wide)
        - Continuing with 3 committees
            - Administrative (Swazee leading)
            - Technical (Knippel participating)
            - Training (Knippel leading)
    - Last meeting included two presentations:
        - Cobb County, GA, which has recently and very aggressively implemented Emergency Location Markers on trails throughout the county

        - https://drive.google.com/file/d/1k7C3zdpA0VCzxj5jqqoXnjOejFrlzFKa/view?usp=sharing
    - Georgianna Strode of Florida State University, who is using the USNG as a convenient way to do multivariate analysis.
        - https://drive.google.com/file/d/19LEBqNLbvfUOQlJqJVhGE2PXs5VZ6AcB/view
- Continued engagement in "SAR and GIS" Google group
    - Group has numerous references to the USNG
    - 781 members
    - https://groups.google.com/forum/#!forum/sar-and-gis
- Enhanced and documented ArcGIS Pro Map Book template with tasks in collaboration with NAPSG:
    - https://napsg.maps.arcgis.com/home/item.html?id=f93ebd6933cb4679a62ce4f71a2a9615

Other Activities

- Randy Knippel continues to be an active member of the Metropolitan Emergency Managers Association as their GIS Liaison
    - Attend monthly meetings
    - Provide updates related to metro and state GIS activities
        - MetroGIS Regional Data Viewer Project (MESB)
        - NG911 data development
        - Data standards
        - Geo Commons
- Dakota County continues to host USNG maps for the metro region
    - http://maps.co.dakota.mn.us/
    - Maps are being migrated to ArcGIS Pro, with an updated map layout.
- Steve Swazee through SharedGeo is actively pursuing opportunities to facilitate implementation in local government across the Nation
    - Creation of maps and map books
    - Implementation of Emergency Location Markers

Damage Assessment Data Standard Tiger Team

Report date: December 11, 2019

Prepared by: Cory Richter

Meetings:
Wednesday, March 20, 2019 1000-1030
Monday, May 20, 2019 0900-1000
Monday, August 20, 2019 0900-10000

Progress on work plan:
August 27, 2019 a request for a 60 day informal review was sent out via e-blast. Reminder email sent October 8th. Informal review closed Tuesday, October 22nd. Received comments from 4 people correcting some language and also asking for clarification on reference tables. Overall the campaign was deemed successful with a greater than 40% click rate and greater than 20% download rate.

Additional comments:
The team will meet before the end of 2019 to edit and submit the damage assessment standard documents to the Standards Committee for the formal review process.

Critical Infrastructure Assessment Workgroup

Report date: December 11, 2019

Prepared by: Stacey Stark, U-Spatial@UMD
slstark@d.umn.edu
218-726-7438

Critical Infrastructure data are located in multiple databases owned by multiple agencies in Minnesota. Data such as schools and health care providers may be up-to-date and/or comprehensive, but there is not an easy distinction within the datasets as to which facilities are "critical". Furthermore, data could be much more useful if some standard attributes were included with the critical facilities, such as occupancy numbers and value of the structure. At present, there is no clear state source for the creation, update and maintenance of these data. There is a desire to have 1) critical infrastructure data available on the Mn GeoCommons 2) a clear contact for notifications from jurisdictions when data have changed and 3) the best available data available through the HIFLD database.

Meetings:

No formal workgroup meetings have occurred. This workgroup is identifying members and activities, one-to-one conversations have been most effective to this point.

December 18, 2018: **GAC Emergency Preparedness Committee**
Proposal for workgroup presented.
Presentation: *Hazard Mitigation and Climate Adaptation Planning: geospatial data gaps and opportunities*

Other related meetings to generate support and make contacts:
March 6, 2019: MN Geospatial Advisory Council
Presentation: *Hazard Mitigation and Climate Adaptation Planning: geospatial data gaps and opportunities*

March 13, 2019: NMNGIS User group meeting
Presentation: *Hazard Mitigation and Climate Adaptation Planning: geospatial data gaps and opportunities*

May 30, 2019: State Collaborators Meeting
Presentation: *Critical Infrastructure for Hazard Mitigation, Emergency Management and Climate Adaptation Planning in MN*

Progress on work plan:
The initial activities that were proposed to EPC for this workgroup are taking place.

- Identify agencies and people involved in CI update to HFLID
- Identify current workflow to update HFLID (if one exists)

Some key people related to CI and HIFLD data in Minnesota have been identified and interviewed. All have suggested that state agencies and local governments are responsible for submitting updates to HIFLD.

- Sean Mangan: GIS Manager, Office of Pipeline Safety, DPS
- Glenn Sanders: Protective Security Advisor, Region V (Minnesota District), DHS
- John Jorgensen: Critical Infrastructure Planner, HSEM, DPS
- HIFLD Support Team

Next steps will be related to identifying tasks that the geospatial community (GIS coordinators at many levels) can engage in to facilitate updates to HIFLD data and Mn GeoCommons data related to CI. This may include assisting with the communication of the needs for the updates or actively obtaining the data from stakeholders to facilitate that need through another common entity. Ultimately, a common and sustainable workflow will be collaboratively proposed and shared widely.

Additional comments:
Per Sean Mangan:
Initially the HIFLD datasets were created from contracted datasets. HIFLD is always looking for the authoritative data providers to keep the data updated, but MN does not have agencies actively doing this. In the past MNGeo had updated some of the datasets, like fire stations, and pushed the updates up to the NGA/HIFLD. The process now is for local data providers that have found errors, updates or have better data can contact HIFLD directly and they will incorporate the updates as soon as possible.

Image Service Sustainability

Report date: 11/27/2019

Prepared by:
Matt McGuire
Metropolitan Council
matt.mcguire@metc.state.mn.us
651.602.1964

Meetings:
No meetings since the last status report

Progress on work plan:
No Activity

Additional comments:
We plan to meet yearly in January.
Solicitations for new imagery will go out in December. MNGeo will perform this outreach.

Outreach Committee

Report date: December 2019

Prepared by:
Nick Meyers, GISP (nmeyers@esri.com)
Kari Geurts, (kari.geurts@state.mn.us)

Meetings:
The Committee not met since June 18, 2019. During this time Kari and Nick have had several discussions on collaborative efforts with the GIS/LIS Consortium and LMC (League of MN Cities).

GIS/LIS: We are discussing the potential of working with the GIS/LIS consortium to share all the GAC committees content using something like Google Suite or ArcGIS Hub. The full Outreach committee will discuss at our next meeting, December 19th, and then follow up with the full GAC meeting in 2020.

LMC: We have worked with LMC and they will be writing an Open Data article in their spring newsletter. This will include interviews with many Cities and Counties around the state that we have received commitments to be part of this article. The article will also be released before the LMC annual conference where they will present on the idea of open data to all of those in attendance.

The next scheduled GAC meeting is December 19th. The Committee will be discussing our current efforts and goals for 2020.

Progress on work plan:

- *Activities: The committee will be meeting on a regular basis.*
  - Committee members will be working to compare the County and City survey results. This analysis will help to determine next steps for promoting free and open data and how to address the obstacles to achieve this goal.
  - Committee will be collecting success stories to promote the value of open data.
  - Committee members will be working with other GAC committee members to determine what outreach activities they want to pursue and how to coordinate across the committees to reach the appropriate GIS audiences.
  - Committee discussed the need for "branding" to be created to help make sure the look, feel, and message is consistent across all subcommittees.
- *Accomplishments:*
  - Discussed a joint effort with GIS/LIS consortium to share all GAC communication.
  - Secured approval by LMC to write an article in spring newsletter about open data.
  - Will be co-presenting with LMC at their annual conference on the topic of free & open data.
- *Progress toward achieving proposed goals:*
  - Identified writing local success stories with Open Data from Moorhead, Blaine, Minneapolis, Rice County, and a few small cities.
- *Problems or impediments:* Approval by GAC committee to proceed with GIS/LIS consortium to find a way to share/distribute all communication.
- *Required assistance:* None
- Collaboration with GIS/LIS – Plan for 2020
- Branding Guidelines in 2020 for outreach
- Workplan for 2020 (Dec & Jan)

Parcels and Land Records Committee

Report date:
11/26/19

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

Meetings:
October 3, 2019

Progress on work plan:
Committee members tasked with reviewing and updating work plan and related documents.

Presented a session at the GIS/LIS conference regarding the boundary alignment project.

We met with the Minnesota Society of Professional Surveyors (MSPS) Board of Directors to discuss a position at MnGeo that focus on Survey Coordination. The position would support the boundary alignment project. MSPS Board of Directors is in support of the position. We are scheduled to address the Minnesota Association of County Surveyors (MACS) on December 10th.

We are scheduled to present at the MSPS annual conference in February to inform MSPS members about the project.

Additional comments:
We are working to revise the work plan for GAC approval.

Standards Committee

Report date:
November 27, 2019

Prepared by:
Mark Kotz, Chair | mark.kotz@metc.state.mn.us
Andra Mathews, Vice Chair | andra.mathews@state.mn.us

Meetings in 2019:
January 17, 2019 – full committee meeting
March 21, 2019 – road data standard public comment review subgroup meeting
March 28, 2019 – road data standard public comment review subgroup meeting
April 11, 2019 – full committee conference call meeting (due to snow storm)
May 2, 2019 – full committee 30-minute conference call meeting
August 21, 2019 – standards logistics ad-hoc sub group
September 18, 2019 – full committee meeting
October 10, 2019 – standards logistics ad-hoc sub group
November 15, 2019 – standards logistics ad-hoc sub group

Meeting minutes available here

Progress on work plan:

- Complete the Road Centerline Data Standard and have it approved by the GAC
    - Completed public review period with excellent comments and suggestions
    - Subgroup met twice to respond to comments and propose changes to standard
    - Committee discussed proposed changes and made final draft of standard
    - Approved by GAC at May meeting
- Complete a revision to the Parcel Data Standard
    - Based on experience of metro counties adopting the standard, some minor revisions were proposed to the standard
    - Revisions approved by GAC at March meeting
- Modify several original GCGI standards to the GAC format and have adopted by the GAC
    - CTU ID, County ID and State ID standards were approved by GAC in March
    - US National Grid and Positional Accuracy Measuring and Reporting standards were approved by GAC in May
    - Removal of Coordinate Exchange Standard from GAC web site in September
- Engage stakeholder groups to review and modify other original GCGI standards
    - Members of the sunsetted GAC metadata workgroup and the MN Geospatial Commons team are reviewing the MN Geospatial Metadata Guidelines. The metadata standard will likely require a formal public review.
    - A SME group of hydro practitioners at DNR is leading a review of three GCGI hydro related standards.
- Additional NG9-1-1 proposed standards
    - The Emergency Service Provider Polygon Boundary standard was submitted to the GAC Standards Committee and discussed at our September meeting. After this, the proposing SME group is further reviewing the standard. It may get redesigned by that group.
- Complete a procedures document for the GAC standards process

    - The Committee approved a document which was approved by the GAC in May.
- Promotional efforts for GAC standards
    - The Standards Committee presented at the 2019 GIS/LIS Conference.
- Facilitate the creation of usage guides for key GAC standards
    - This is a work in progress in conjunction with MetroGIS and the NG 9-1-1 standards group.
- New Item: evaluating ways to streamline the maintenance of standards and related materials and ensuring they are in accessible formats. A subgroup is actively working on this.

Agenda Item 5. Group to further flesh out MNIT Commissioner ideas

Some background from Dan Ross:

As MNIT Commissioner Tarek Tomes was identifying members of the GAC, he asked if the GAC had a committee about data sharing.

It was shared with him that the GAC has some individual initiatives and priorities it has identified (GAC priority list of projects) related to bringing together foundational data sets, and the geospatial community has come together to support the MN Geospatial Commons platform.

He identified those efforts to share data as good but suggested he would like to see the GAC have a committee or workgroup that works to identify data that is needed to support the good work of the many organizations in the state. He suggested some outcomes would be to understand what data is needed by the community, what state the data is in, and what needs to be done to make it sharable and available. Specifically, he was looking for a potential committee to look into data that aligns with our Governors goals for Minnesota and the data that when shared can influence and improve outcomes. A few of the Governor's goals are identified below…

- All Children have a good education
- Make health care more affordable
- Improve the state's infrastructure
- Increasing access to affordable and quality housing
- Understanding and reducing racial and geographic disparities in educational and economic opportunities
- Affordable childcare
- Clean Energy by 2050
- Diversity and inclusion

The Commissioner identified if we can bring him some ideas, he is willing to help move this forward with whomever we need to promote and engage folks in more data sharing to improve outcomes in Minnesota.

I look forward to having this discussion with the GAC.

Agenda Item 6. Archiving Implementation Workgroup – request for approval

Archiving Implementation Workgroup - Charter

Mission statement:

Define and facilitate the implementation of an archive for Minnesota geospatial data by building on the work of the Archiving Workgroup.

Objectives and Deliverables:

Objectives

- Program
    - Develop a detailed program for archiving geospatial data, including:
        - Governance
        - Guidelines
        - Procedures
        - Necessary social infrastructure
- Technology
    - Develop detailed technical infrastructure needs, plans, and workflows for archiving geospatial data
- Outreach & Education
    - Explore how archiving data would help support key governmental initiatives and statutory requirements
    - Continue to build support for the archiving effort within these communities:
        - MnGeo
        - Government agencies at all levels
        - Academic researchers
        - Students, teachers, historians, etc through MNHS Library
        - All users of historic geospatial data
        - Higher Education
        - Non-profit organizations
        - Private sector
- Funding
    - Research and secure funding for the archiving effort by exploring:
        - Grant funding opportunities
        - Legislative funding options
        - Agency funding options
- Pilot Project
    - Pilot data sets in a repository
    - Archiving Organization (in MN Geospatial Commons)
    - Coordination with the Minnesota State Archives

Deliverables

- Program recommendations
- Technology plans and workflows
- Outreach & Education plan
- Funding recommendations
- Pilot Project
- Report
- Present at 2020 MN GIS/LIS Conference

Resource requirements and timing:

People time
Monthly web meeting
Deliverables likely by August 2020

Anticipated participants and their roles and responsibilities:

Group Membership:

Sarah Barsness - Minnesota State Archives
David Brandt - Washington County
Jon Hoekenga - Met Council
Melinda Kernik - University of Minnesota Libraries
Len Kne - University of Minnesota
Leanne Knott - Goodhue County
Brent Lund - MNIT / MnGeo
Karen Majewicz - University of Minnesota Libraries (Vice Chair)
Andra Mathews - Minnesota Department of Transportation
Ryan Mattke - University of Minnesota Libraries (Chair)
Sandi Stroud - MnGeo
Zeb Thomas - Department of Natural Resources
Ben Timerson - Minnesota Department of Transportation
Brandon Tourtelotte - Pro-West & Associates
(Others TBD)

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:

Ryan Mattke
matt0089@umn.edu

Archiving Implementation Workgroup - Work Plan

Work Plan date:

December 2019

Chair and vice chair:

Ryan Mattke - University of Minnesota Libraries (Chair)
Karen Majewicz - University of Minnesota Libraries (Vice Chair)

Link to committee/workgroup charter:

Archiving Implementation Workgroup Charter

Accomplishments from 2019

- Initial planning/formation

Work Plan for 2020

Planned activities and deliverables:

- Technology plans and workflows
- Outreach & Education
- Educate the geospatial community about archiving – benefits, costs, methods (begin sending communications by **March 2020**)
- Pilot Project
- Draft outline of presentation for GIS/LIS (**March 2020**)
    - To be submitted in May 2019
- Engage with data creators at various levels of government, academic institutions, and relevant stakeholders (begin sending communications by **April 2020**)
- Develop a pilot project for archiving data in a repository (**May 2020**)
- Develop recommendations for a detailed program for archiving geospatial data, including governance, guidelines, procedures, and the necessary social infrastructure (**July 2020**)
- Develop recommendations for detailed technical infrastructure needs, plans, and workflows for archiving geospatial data (**July 2020**)
- Explore funding strategies and develop recommendations (**July 2020**); to possibly include:
    - Grant funding
    - Legislative funding
    - Agency funding
- Report for GAC (**August 2020**)
- Present at 2020 GIS/LIS (**October 2020**)

Roles and responsibilities:

Sarah Barsness - Minnesota State Archives
David Brandt - Washington County
Jon Hoekenga - Met Council
Melinda Kernik - University of Minnesota Libraries
Len Kne - University of Minnesota
Leanne Knott - Goodhue County
Brent Lund - MNIT / MnGeo
Karen Majewicz - University of Minnesota Libraries (Vice Chair)
Andra Mathews - Minnesota Department of Transportation
Ryan Mattke - University of Minnesota Libraries (Chair)
Sandi Stroud - MnGeo
Zeb Thomas - Department of Natural Resources
Ben Timerson - Minnesota Department of Transportation
Brandon Tourtelotte - Pro-West & Associates
(Others TBD)

Estimated time commitment for participants is two to five hours per month (one hour per month for group meeting, one hour per month for group meeting preparation, and up to three hours per month to accomplish the work of the group). Some participants will be needed to work on specific one-time tasks that may be more time consuming.

Resources: N/A

Committee/workgroup needs: None at this time

Dependencies and interrelationships:

- Coordination with the Minnesota State Archives

Risks:

Risks include:

- Lack of interest or enthusiasm from data producers
- Technical requirements for archiving 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

Agenda Item 9. Geospatial Priorities Survey Results and 2020 GAC Priorities

Why Create Priorities?

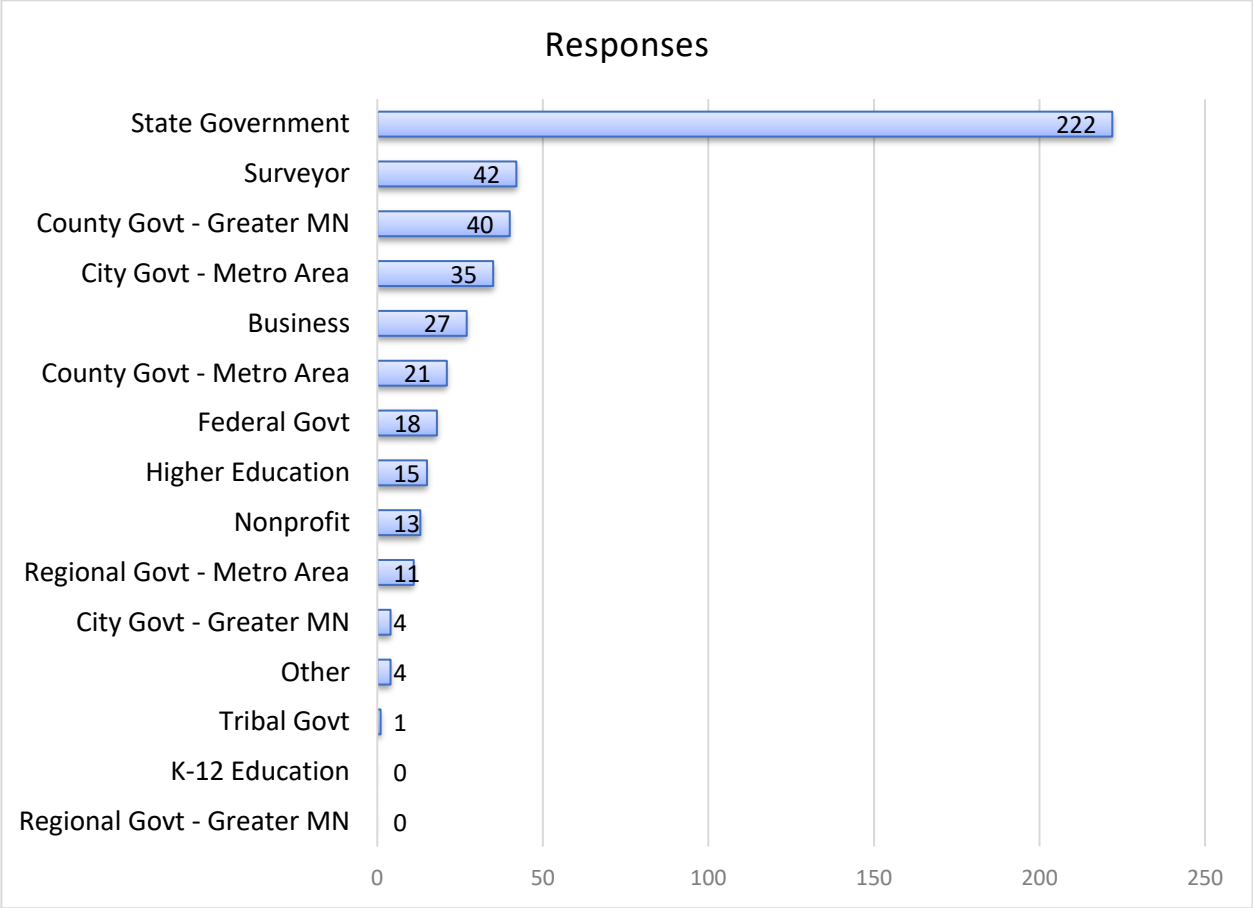
1. To create a voice for the MN geospatial community
2. To direct work plans of the GAC and its committees
3. To recommend to MnGeo
4. To allow other organizations to compare priorities and align efforts
5. To inform outreach and policy related efforts
6. Having clear direction helps motivate people to participate

Prioritization Process

- Create a list of proposed projects and initiatives
    - From GAC members and committee chairs
    - Announced at GIS/LIS conference
- Assess the **value** of each – degree of business need
    - MN Geospatial Priorities Survey
- Assess **likelihood of success** of each - owner, work team, champion, funding
- Preliminary priority calculation
- GAC discusses and adjusts

Survey Responses

- 453 total responses
- 49% from state sectors



Results Summary

- Scoring: Critical = 3, Very Important = 2, Nice to have = 1, Not needed or not answered = 0
- Scores shown weighted and unweighted. Weighting is by GAC seats representing sectors (e.g. nonprofit results have weight of 1 (1 seat), state government results have weight of 2 (2 seats)).
- Results are similar weighted and unweighted.

Project Short Name	Project Long Name	Score Weighted by Sector	Score Not Weighted
Free and Open Data	All public geospatial data in MN to be free and open to everyone.	2.115	2.26
Updated & Aligned Boundary Data	Updated and aligned boundary data from authoritative sources.	1.876	2.09
Hydro-DEMs	Accurate hydro-DEMs (hDEM) that serve modern flood modeling and hydro-terrain analysis tools, and the development of more accurate watercourses and watersheds.	1.680	1.74
Parcel Data	Statewide publicly available parcel data.	1.679	1.91
Road Centerline Data	Statewide publicly available road centerline data.	1.671	1.78
LiDAR Data	New LiDAR data acquisition across Minnesota for use in developing new derived products guided by committee developed standards.	1.671	1.89
Image Service Improvements	Improvements to the MnGeo Imagery Service, such as Web Mercator support, tiling, and complementary options such as “composite of latest leaf off imagery”, and downloading options.	1.622	1.61
Geodata Archive Implementation	The implementation of an archive for Minnesota geospatial data.	1.547	1.56
Basemap Services	Statewide and regional (e.g. Twin Cities metro) publicly available basemap services.	1.545	1.60
Inventory of MN GeoData Assets	An inventory and assessment of Minnesota’s geospatial data assets.	1.516	1.58
Address Point Data	Statewide publicly available address points data.	1.412	1.47
EM Damage Assess Data Standard	An emergency management damage assessment data standard to provide an accepted specification to support a request for State or Federal assistance after a disaster.	1.381	1.35
NG9-1-1 Geospatial Forum	A forum (committee, workgroup, etc.) for MN geospatial professionals to discuss and share best practices, standards, lessons learned, etc. for implementing and supporting the geospatial components of NG9-1-1	1.372	1.35
Underground Utilities Data Forum	A forum (committee, workgroup, etc.) to explore development of statewide data representing underground utilities.	1.336	1.27
Critical Infrastructure Data Custodian	Identifying a custodian and maintenance workflow for statewide critical infrastructure data.	1.306	1.42

U.S. National Grid Materials	Maps, procedures, templates and other materials to help all levels of government implement the U.S. National Grid.	1.243	1.22
Culvert Data Standard	A culvert data standard.	1.178	1.29
Parks and Trails Data Standard	A parks and trails data standard.	1.165	1.14
Unmanned Systems Metadata Guide	A guide for describing in metadata the specifications of unmanned aircraft systems (UAS), unmanned surface water vehicles (USV), and unmanned underwater vehicles (UUV).	1.048	1.04

Results by Sector

Project Short Name	Weight by Sector	Business	City Greater MN	City Metro	County Greater MN	County Metro	K-12 Ed	Fed Govt	Higher Ed	Non-profit	Reg'l Govt Greater MN	Reg'l Govt Metro	State Govt	Surveyor	Tribal Govt
Free and Open Data	2.115	2.37	2.50	2.14	2.05	2.14	2.50	2.53	1.50	2.31	1.50	2.36	2.27	2.21	1.00
Updated & Aligned Boundary Data	1.876	1.85	1.50	1.66	1.93	2.14	2.00	2.00	1.50	1.62	1.50	2.00	2.25	2.21	2.00
Hydro-DEMs	1.680	1.70	1.00	1.29	1.63	1.67	2.33	2.13	1.50	1.62	1.50	1.27	1.86	1.55	2.00
Parcel Data	1.679	2.07	1.00	1.14	1.20	1.38	2.00	1.80	1.50	2.08	1.50	1.82	2.20	1.95	1.00
Road Centerline Data	1.671	1.74	1.50	1.23	1.25	1.52	1.89	1.80	1.50	1.54	1.50	2.00	2.04	1.50	2.00
LiDAR Data	1.671	2.07	1.25	1.54	1.83	1.67	2.28	1.93	1.50	1.92	1.50	1.27	1.96	1.88	0.00
Image Service Improvements	1.622	1.70	1.50	1.51	1.33	1.43	1.56	1.93	1.50	1.23	1.50	2.00	1.68	1.50	2.00
Geodata Archive Implementation	1.547	1.44	1.25	1.29	1.38	1.57	1.39	2.20	1.50	1.77	1.50	1.73	1.63	1.43	1.00
Basemap Services	1.545	1.85	0.75	1.46	1.15	1.29	1.22	1.87	1.50	1.23	1.50	1.73	1.77	1.52	2.00
Inventory of MN GeoData Assets	1.516	1.37	1.50	1.20	1.30	1.48	1.72	1.93	1.50	1.69	1.50	1.45	1.74	1.36	1.00
Address Point Data	1.412	1.48	1.00	1.06	1.03	1.38	1.33	1.53	1.50	1.69	1.50	1.82	1.65	1.29	1.00
EM Damage Assess Data Standard	1.381	1.00	1.25	1.34	1.48	1.52	1.78	1.27	1.50	1.62	1.50	1.18	1.41	0.83	2.00
NG9-1-1 Geospatial Forum	1.372	1.41	1.25	1.20	1.23	1.48	1.28	1.20	1.50	1.31	1.50	2.18	1.36	1.33	1.00
Underground Utilities Data Forum	1.336	1.81	1.25	1.29	1.13	1.29	1.00	1.33	1.50	0.85	1.50	1.55	1.20	1.52	1.00
Critical Infrastructure Data Custodian	1.306	1.04	1.25	1.14	1.30	1.43	1.39	1.53	1.50	1.08	1.50	1.82	1.55	1.36	0.00
U.S. National Grid Materials	1.243	1.04	1.50	0.91	1.05	1.33	1.56	1.13	1.50	1.15	1.50	1.09	1.26	1.43	1.00
Culvert Data Standard	1.178	1.22	1.00	0.86	1.05	1.19	1.56	1.33	1.50	1.00	1.50	1.09	1.52	0.81	0.00
Parks and Trails Data Standard	1.165	0.89	1.75	1.17	0.83	1.19	0.94	1.20	1.50	0.69	1.50	1.36	1.31	0.74	1.00
Unmanned Systems Metadata Guide	1.048	1.19	0.50	0.66	0.78	1.00	1.50	1.40	1.50	0.69	1.50	0.73	1.08	1.19	0.00

Agenda Item 11. GAC 2019 Priority Projects and Initiatives

GAC Rank	Project or Initiative Name	Status	Project Owner	Champ
1	**All public geospatial data in MN to be free and open to everyone**	Active	Kari Geurts	Ross
2	**Assurance that the MnGeo imagery service will be maintained and improved via a sustainable funding model, including policies on what layers are added and removed over time. Evaluate improvements such as Web Mercator, tiling, downloading options, and increased refresh frequency.**	Active		Ross
3	**Updated and aligned boundary data from authoritative sources**	Active	Preston Dowell	Ross
4	**Statewide publicly available parcel data**	Active		Kotz
5	**A policy and procedures for archiving and preserving historical geospatial data**	Active	Ryan Mattke	many
6	**Statewide publicly available road centerline data (including a data standard)**	Active	Norman Anderson	Ross
7	**New LiDAR data acquisition across Minnesota for use in developing new derived products guided by committee developed standards**	Active	Gerry Sjerven	Ross
8	**Statewide publicly available address points data**	Active	Norman Anderson	Ross
9	**MN focused basemap services**	Active	Sonia Dickerson	Ross
10	**A parks and trails data standard**	Active	Jim Bunning	Ross
11	**An emergency management damage assessment data standard to provide an accepted specification to support a request for State or Federal assistance after a disaster**	Active	Anderson/Richter	
12	**Accurate hydro-DEMs (hDEM) that serve modern flood modeling and hydro-terrain analysis tools, and the development of more accurate watercourses and watersheds**	Active	Sean Vaughn	