

Minnesota Geospatial Advisory Council
Workgroup Work Plan

Hydrogeomorphology Workgroup

Work Plan date:

January 9, 2020

Co-chairs:

Andrea Bergman, Jamie Schulz, and Rick Moore

Steering Committee Liaison:

Sean Vaughn

Link to workgroup charter:

http://www.mngeo.state.mn.us/committee/3dgeo/3dgeo_committee_charter.pdf

Work Plan for 2020

Planned activities and deliverables:

1. Education and Outreach
 - a. Maintain SharePoint Calendar with current and upcoming events members should be aware of
 - b. Design one-page handout that describes the Workgroup and highlights the successes and future efforts of this collaborative group
 - c. Update the existing 2-page fact sheet on the Workgroup
 - d. Look for opportunities to connect with hydrography related committees and workgroups within the Agencies
2. Coordination across 3D Geomatics Workgroups
 - a. Connect with other workgroup regularly to coordinate collaborative efforts
 - b. Attend 3D Geomatics Steering Team Meetings to present workgroup updates
 - c. Create a list of Agency programs that fund projects related to LiDAR, share with 3D Geomatics Steering Team
3. Continuation of Digital Dam Breachline Subgroup
 - a. Establish a Digital Dam Breachline (burn line) QA/QC Protocol
 - b. Establish a draft centralized authoritative map of current breachline datasets
 - c. Promote the Need for a Digital Dam Breachline (burn line) QA/QC Project
 - d. Explore the role of the DNR Culvert Inventory App or a modified version Breachline Inventory App in digital dam breachline mapping and dissemination
4. Continuation of Data Catalog Subgroup
 - a. Identify data needs not covered by existing data
 - b. Identify requirements of LiDAR collects to meet these needs

Minnesota Geospatial Advisory Council

Workgroup Work Plan

5. Develop needs statement to guide LiDAR derived hydrography products
6. Create a list of Agency programs that fund projects related to LiDAR, share with 3D Geomatics Steering Team
7. Broaden scope/mission to include relationship to soils
 - a. Establish a subgroup to incorporate concepts of how landforms and water create soil types
8. Maintain ongoing support duties
 - a. Work with MNGEO (Nancy Rader) to maintain workgroup web page
 - b. Maintain web pages for each subgroup (breachline, data catalog)
 - c. Identifying and Recruiting Membership
 - d. Maintain SharePoint site – current and relevant content
 - i. Focus on using SharePoint for collaboration, such as documents for Breachline subgroup
 - ii. Identify SharePoint steward for the Workgroup pages

Roles and responsibilities:

Membership will include diverse users and stewards of hydrography and soils data. Provide guidance to data stewards and users on initiatives that relate to LiDAR derived end products.

Resources:

The Hydrogeomorphology Workgroup will use the work and accomplishments of the former [Hydrography Committee](#) and collaborate with other current 3D Geomatics Committee Workgroups.

Workgroup needs:

The Hydrogeomorphology Workgroup will depend on guidance from the 3D Geomatics Steering Committee.

Dependencies and interrelationships:

The workgroup will work with the 3D Geomatics Steering committee to coordinate LiDAR acquisition standards.

Risks:

- Taking on too much responsibility and underestimating the amount of commitment to the workgroup.
- Inaccuracies in historical data will be incorporated into future derived hydrography data.
- Lack of standards for data development and data application of hydrography data. Bad data will translate into lost time and money.
- Lack of communication between government agencies at all levels and private sector partners pertaining to hydrography data.

Minnesota Geospatial Advisory Council
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Additional Comments:

Date approved by the 3D Geomatics Steering Committee: