

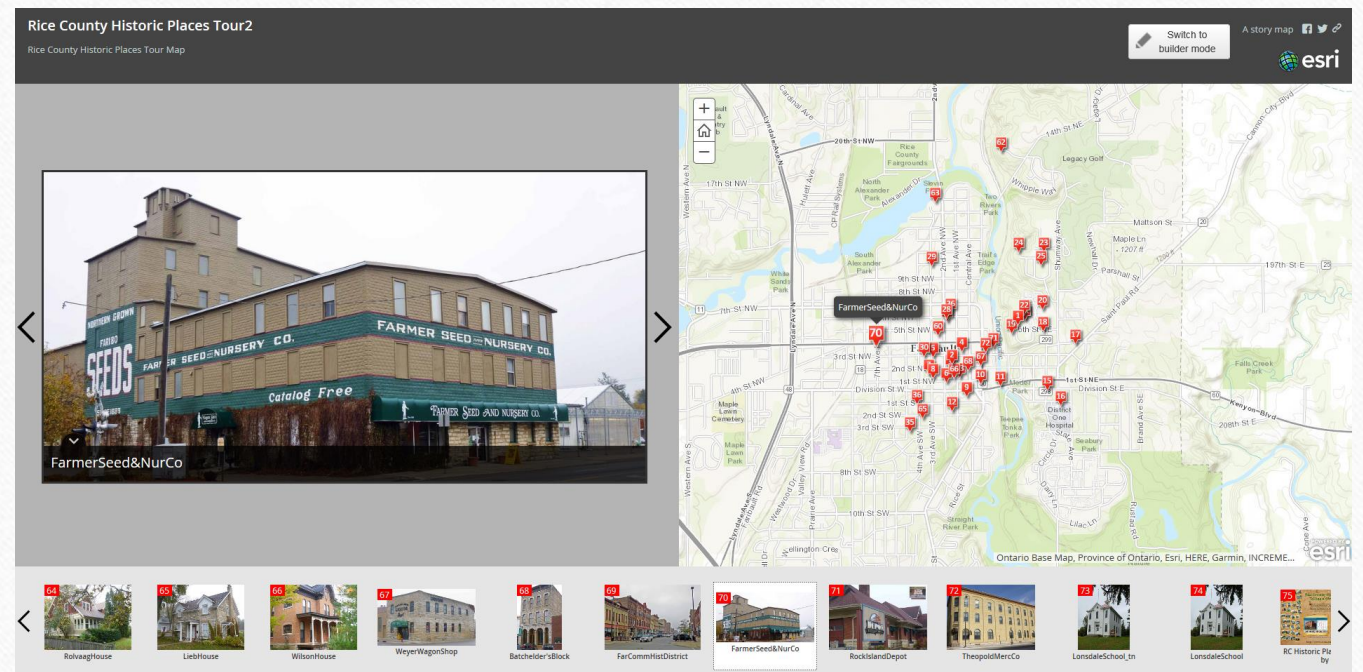
Rice County GIS Update

SE MN GIS Users Group Meeting

February 23, 2017

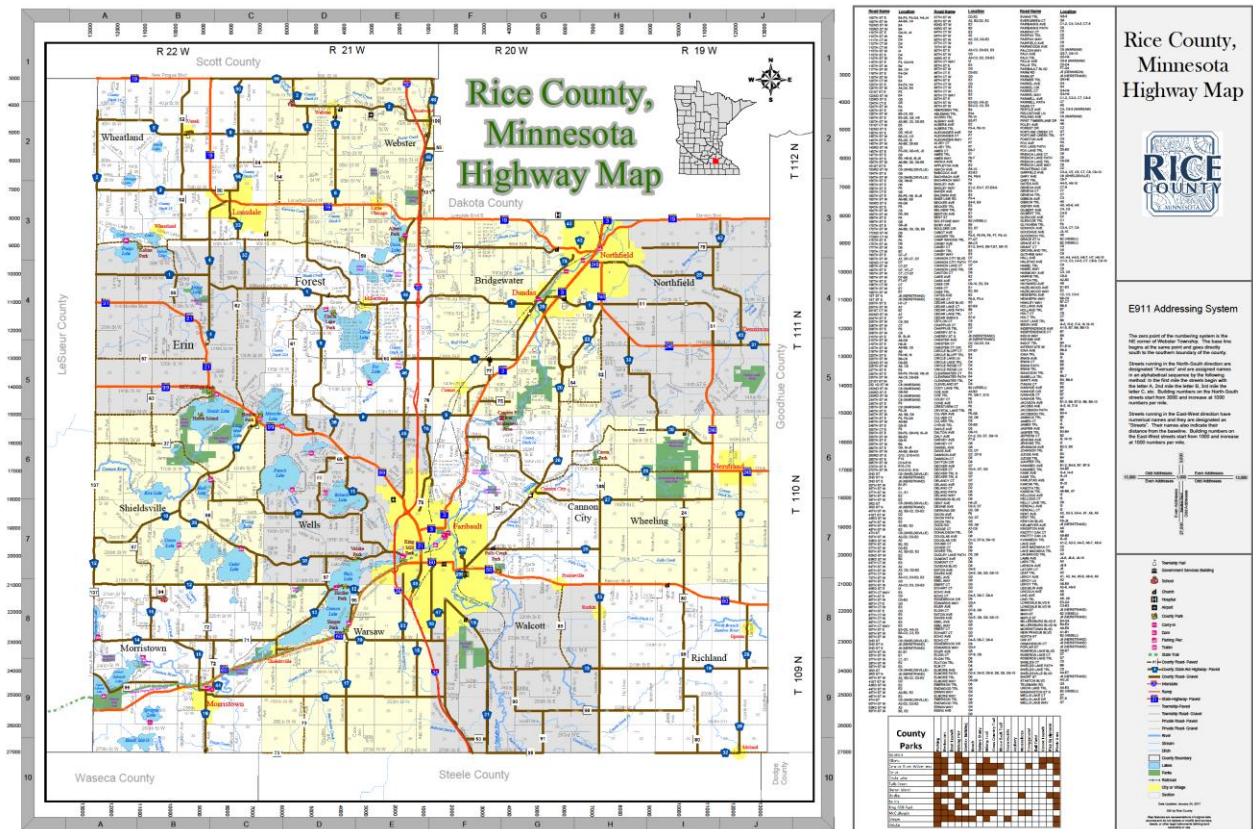
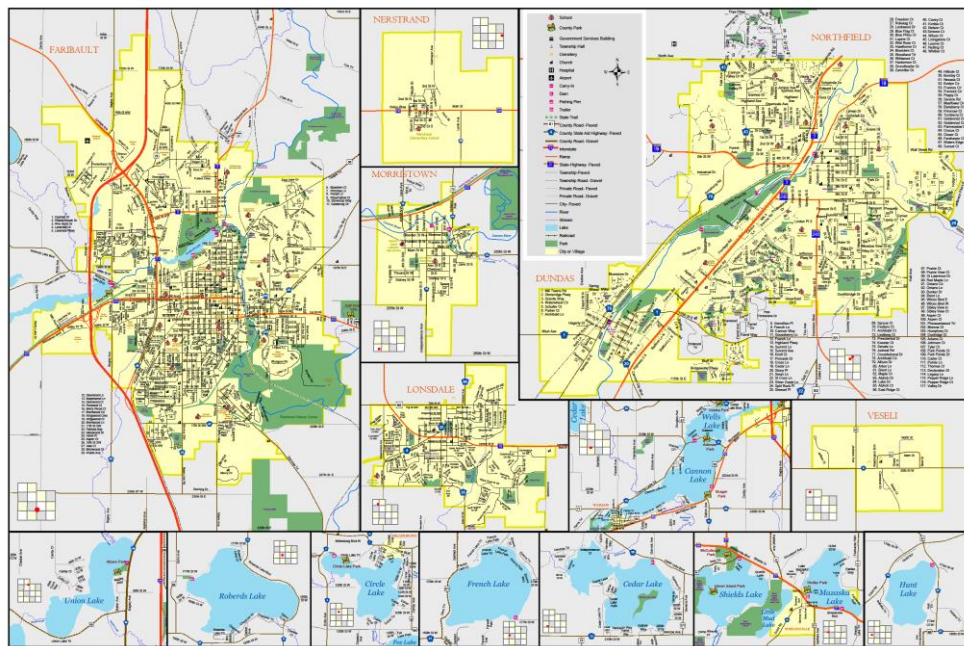
National Registry of Historic Places App

- Created the original Storytelling App in 2013.
- The County is moving to a new website. Pictures were stored on the FTP site of the old internet company.
- Decided to recreate the app with the new template.
- http://www.co.rice.mn.us/historic_places/



Highway Map

- Creating a new Highway Map



Damage Assessment App

- Emergency Services
- Configure the ESRI Damage Assessment App to use for emergencies
- Train Users
- Collect Data in Emergencies

Damage Assessment


[Home](#)[Get Started](#)

Overview

The Damage Assessment solution is a configuration of the Collector for ArcGIS and Operations Dashboard for ArcGIS used by emergency management agencies to conduct detailed damage assessments in the field. It can also be used to monitor field assessments and determine whether damage costs exceed State or Federal declaration thresholds.

Damage Assessment is a configuration of the Collector for ArcGIS application that supports the collection of structural damage to residential and commercial structures; and damage to public facilities during emergency response activities.

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Flooding App

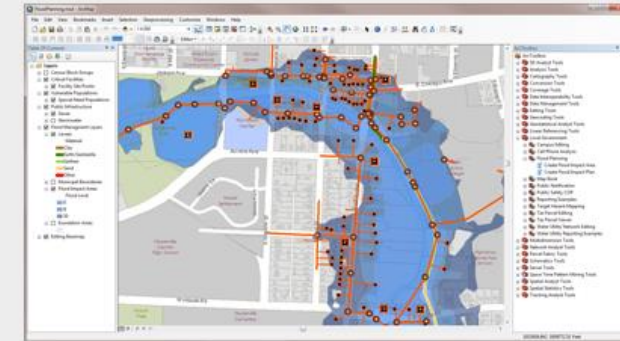
- Emergency Services
- Configuring Flooding App
- Use when floods occur

Flood Planning

[Home](#)[Get Started](#)[Workflows](#)[Tools](#)

Overview

Flood Planning is used by mapping technicians in public safety, emergency management, public works, or planning agencies to analyze the impact of seasonal flooding scenarios and develop flood response plans. Flood Planning allows you to analyze the impact of flooding for multiple flood levels and create a flood impact plan for each flood level. It also allows you to develop preliminary levee plans and budget estimates for each levee.

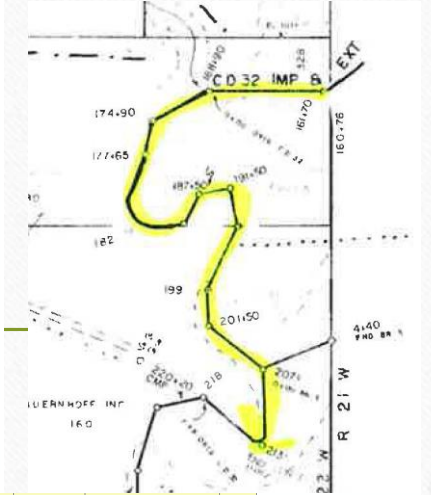
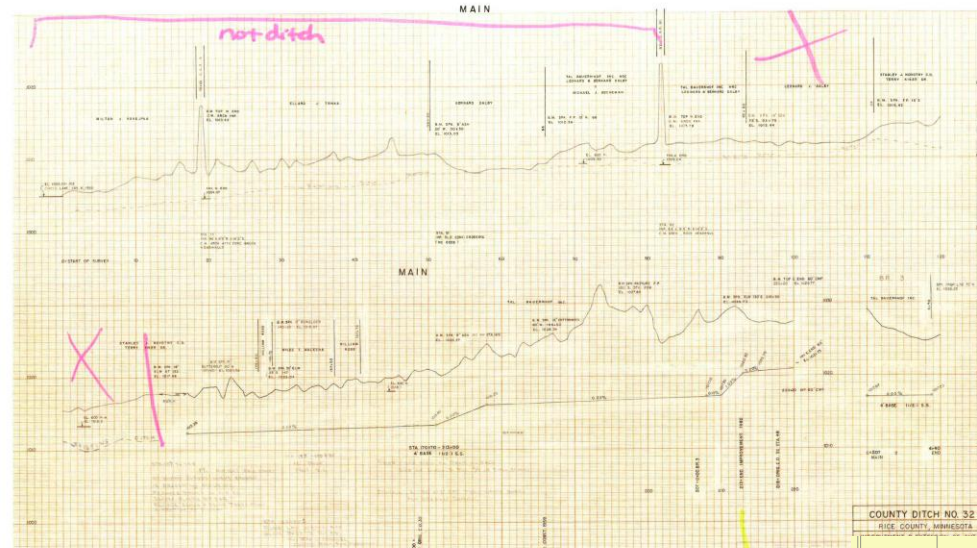


The flood impact analysis identifies public infrastructure, critical facilities, and vulnerable residents that may be impacted. This information will help you develop a plan to mitigate the impact on the community, and budget for the cost of proposed levees that may be necessary.

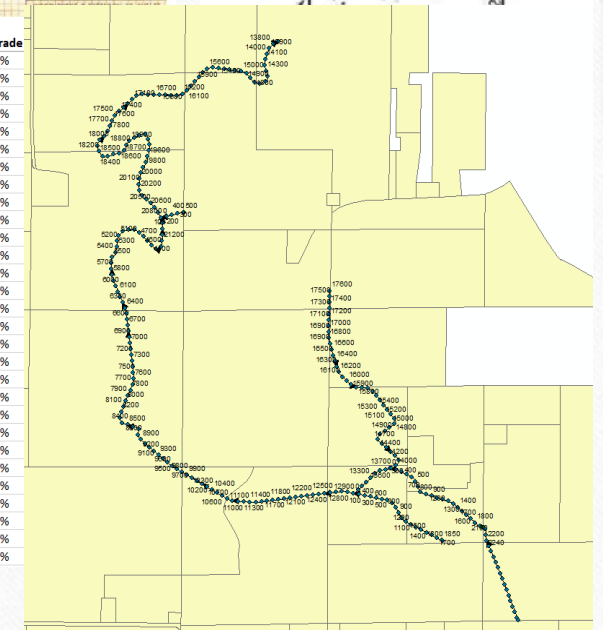
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Drainage

- Data in the Drainage Model
- Ditches, Profile Points, Structured, Benefitted Parcels

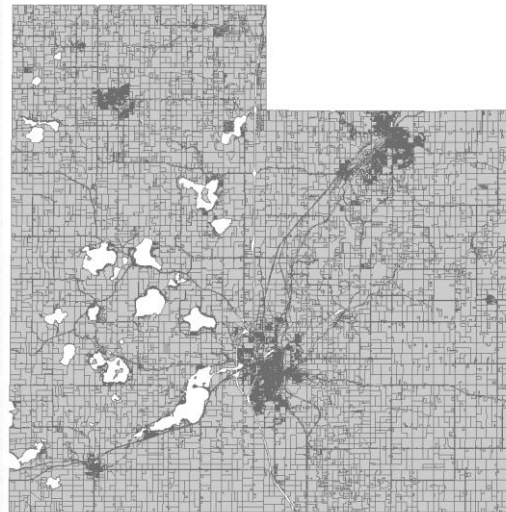



| Branch | STA | Branch_STA | Hist_Elev | Hist_Datum | Hist_Grade |
|-------------------------|--------|-------------------------------|-----------|------------|------------|
| Main Trunk Open Channel | 126+00 | Main Trunk Open Channel_12600 | 116.54 | Unknown | 0.04% |
| Main Trunk Open Channel | 127+00 | Main Trunk Open Channel_12700 | 116.58 | Unknown | 0.04% |
| Main Trunk Open Channel | 128+00 | Main Trunk Open Channel_12800 | 116.62 | Unknown | 0.04% |
| Main Trunk Open Channel | 129+00 | Main Trunk Open Channel_12900 | 116.66 | Unknown | 0.04% |
| Main Trunk Open Channel | 130+00 | Main Trunk Open Channel_13000 | 116.70 | Unknown | 0.04% |
| Main Trunk Open Channel | 131+00 | Main Trunk Open Channel_13100 | 116.74 | Unknown | 0.04% |
| Main Trunk Open Channel | 132+00 | Main Trunk Open Channel_13200 | 116.78 | Unknown | 0.04% |
| Main Trunk Open Channel | 133+00 | Main Trunk Open Channel_13300 | 116.82 | Unknown | 0.04% |
| Main Trunk Open Channel | 134+00 | Main Trunk Open Channel_13400 | 116.86 | Unknown | 0.04% |
| Main Trunk Open Channel | 135+00 | Main Trunk Open Channel_13500 | 116.90 | Unknown | 0.04% |
| Main Trunk Open Channel | 136+00 | Main Trunk Open Channel_13600 | 116.94 | Unknown | 0.04% |
| Main Trunk Open Channel | 137+00 | Main Trunk Open Channel_13700 | 116.98 | Unknown | 0.04% |
| Main Trunk Open Channel | 138+00 | Main Trunk Open Channel_13800 | 117.02 | Unknown | 0.04% |
| Main Trunk Open Channel | 139+00 | Main Trunk Open Channel_13900 | 117.06 | Unknown | 0.04% |
| Main Trunk Open Channel | 140+00 | Main Trunk Open Channel_14000 | 117.10 | Unknown | 0.30% |
| Main Trunk Open Channel | 141+00 | Main Trunk Open Channel_14100 | 117.40 | Unknown | 0.30% |
| Main Trunk Open Channel | 142+00 | Main Trunk Open Channel_14200 | 117.70 | Unknown | 0.30% |
| Main Trunk Open Channel | 143+00 | Main Trunk Open Channel_14300 | 118.00 | Unknown | 0.30% |
| Main Trunk Open Channel | 144+00 | Main Trunk Open Channel_14400 | 118.30 | Unknown | 0.30% |
| Main Trunk Open Channel | 145+00 | Main Trunk Open Channel_14500 | 118.60 | Unknown | 0.30% |
| Main Trunk Open Channel | 146+00 | Main Trunk Open Channel_14600 | 118.90 | Unknown | 0.30% |
| Main Trunk Open Channel | 147+00 | Main Trunk Open Channel_14700 | 119.20 | Unknown | 0.30% |
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| Main Trunk Open Channel | 151+00 | Main Trunk Open Channel_15100 | 120.40 | Unknown | 0.30% |
| Main Trunk Open Channel | 152+00 | Main Trunk Open Channel_15200 | 120.70 | Unknown | 0.30% |
| Main Trunk Open Channel | 153+00 | Main Trunk Open Channel_15300 | 121.00 | Unknown | 0.30% |
| Main Trunk Open Channel | 154+00 | Main Trunk Open Channel_15400 | 121.30 | Unknown | 0.30% |



MN Geospatial Commons

- Data layers:
 - Public Drainage Systems Hydrology
 - Parcels
 - Address Points
 - Ditches
 - Roads
 - Parcel Points





Rice County
Rice County is located in Southern Minnesota just 50 miles south of the Minneapolis and St. Paul metropolitan area. The County encompasses an area of 516 square miles and... [read more](#)

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Organizations
Rice County (6)

Categories
Planning + Cadastre (2)
Inland Waters (2)
Transportation (1)
Location (1)

Resources Activity Stream About

Search datasets...

6 resources found Order by: Relevance

Public Drainage Systems Hydrography, Rice County, Minnesota
This Feature Dataset contains those public drainage system (as defined by Minnesota Statute 103E) layers in Rice County, Minnesota that are considered hydrographic: ditch/tile...
[JPEG](#) [SHP](#) [fgdb](#) [HTML](#)

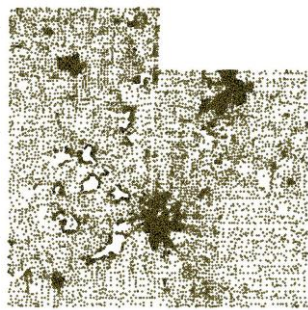
Parcels, Rice County, Minnesota
Legal division of land in Rice County, Minnesota. Numbers are assigned based on geography: township/city-section-quarter-rural/subdivision code-parcel code. This layer does...
[JPEG](#) [fgdb](#) [gpkg](#) [SHP](#) [HTML](#)

Address Points, Rice County, Minnesota
Point theme defining the location of Address points in Rice County
[JPEG](#) [SHP](#) [gpkg](#) [fgdb](#) [HTML](#)

Ditches, Rice County, Minnesota
Ditches in Rice County, MN.
[JPEG](#) [gpkg](#) [fgdb](#) [SHP](#) [HTML](#)

Roads, Rice County, Minnesota
Enhanced 911 Roads in Rice County, Minnesota
[JPEG](#) [fgdb](#) [SHP](#) [gpkg](#) [HTML](#)

Parcel Points, Rice County, Minnesota
Centroid point of parcels in Rice County, Minnesota. This layer include includes leased land.

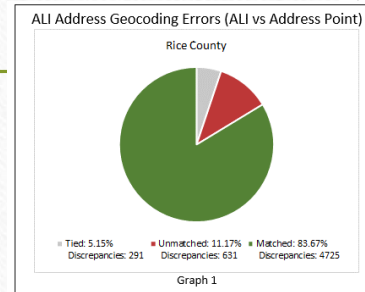


NG911 Data Updates

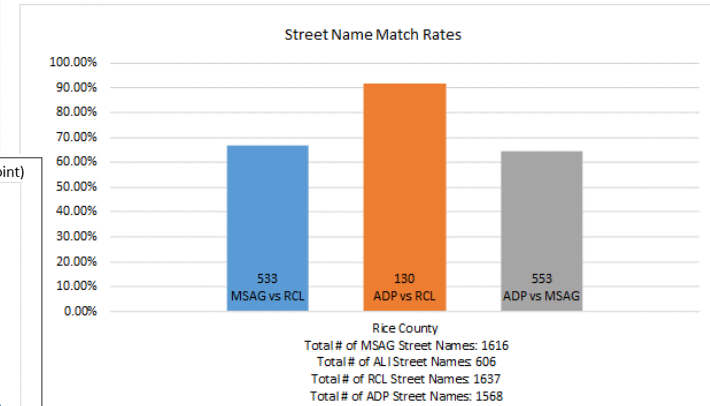
- Updating data for NG911

- Top Recommendations**

- Fix minor community name issues between the MSAG, Centerline, and Address Points.
- The centerline and address point data do not include a CTU field – please work towards bringing that into the GIS data
- Works towards a decision on ordinal use – currently the MSAG does not use them, but the GIS data does



Data Readiness at a Glance



Questions



MN GIS/LIS Consortium

- Spring Workshops- University of Minnesota, Minneapolis, May 17th
 - Looking for volunteers to plan.
 - Contact Len Kne (lenkne@umn.edu) if you are interested.
- Annual Conference- Bemidji, October 4-6th
 - Looking for volunteers.
 - Contact Jane Mueller (jane.mueller@co.beltrami.mn.us) if you are interested.
- Other Committees:
 - Education/Scholarship, Communications/Outreach, Network Events, Future Conference
 - [Volunteers are needed for all the Consortium Committees](#)

Statewide Geospatial Advisory Council

- MnGeo Priority Projects and Initiatives

- DPS Crash Portal Project-
 - Collaborative Project (MnGeo and MnDOT) to provide the Minnesota Department of Public Safety (DPS) with web services and data to be used in their recently released crash system.
 - Allows officers to map the locations of vehicle crashes and pull information from GIS data rather than having officers enter location information manually.
- Drainage Record Modernization
 - Produce a GIS database template and accompanying data standards for Minnesota's public drainage system records.
- Geospatial Commons
- Master Contract for Aerial Imagery Program
 - Pre-approved vendors from which State Agencies and Cooperative Purchasing Venture (CPV) member organizations can contract for medium-to-high resolution orthoimagery, planimetric mapping and LiDAR acquisition services in a streamlined process through individual custom work orders.
 - Through January 2018
 - http://www.mngeo.state.mn.us/chouse/wms/geo_image_server.html

- The Council will be accepting applications for the next 2 year term soon.

Statewide Geospatial Advisory Council

- Statewide Geospatial Advisory Council Projects and Initiatives 2017

| GAC Rank | GAC Focus in '17 | Project or Initiative Description | Status |
|----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1 | Y | All public geospatial data in MN is free and open to everyone | Active |
| 2 | Y | Assurance that the current MnGeo imagery service will be maintained and improved via a sustainable funding model, including policies on what layers are added and removed over time | Active |
| 3 | Y | Development of an active LiDAR Committee and additional support to move us forward toward updated LiDAR data and related standards | Proposed |
| 4 | Y | Improvements to MnGeo imagery service capabilities, such as HTTPS, tiling, downloading options, and increased refresh frequency | Active |
| 5 | Y | State wide publicly available parcel data (including a data standard) | Active |
| 6 | Y | State wide publicly available address points data (including a data standard) | Active |
| 7 | Y | State wide publicly available street centerline data (including a data standard) | Active |
| 8 | Y | An emergency management damage assessment data standard for rapid, post-event damage assessment GPS field collection | Idea |
| 9 | Y | MN-focused basemap services | Active |
| 10 | Y | State wide publicly available Geocoding service | Active |
| 11 | Y | Parks and Trails Data Standard | Active |
| 12 | N | A policy and procedures for archiving and preserving historical geospatial data | Proposed |
| 13 | N | Having aerial photography collections from dozens of years and geographic areas, with no retirement or removal of layers within a freely accessible imagery service | Proposed |
| 14 | N | State wide publicly available Point-in-poly lookup services (for Counties, CTUs, legislative districts, etc.) | Idea |
| 15 | N | A master address points QA/QC tool – known as the ‘Fishbone tool’ | Idea |
| 16 | N | A real time assessment and planning tool similar to what Oregon has | Idea |
| 17 | N | A tillable change finder like Pictometry’s ChangeFindr | Idea |