



MetroGIS<sup>SM</sup>

# MetroGIS Coordinating Committee Meeting Thursday, August 27, 2015

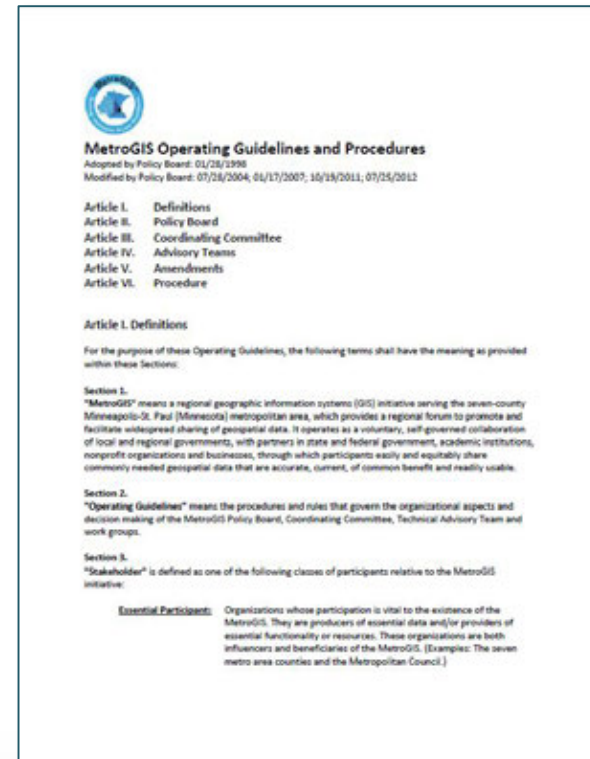
# Agenda Item 4 (action item)

## Revised MetroGIS Operational Guidelines and Procedures

*Clearer language;  
Fits the actual practices;  
Available since March 18, 2015*

*Most substantive change:  
**Two additional city seats** on  
the Coordinating Committee;*

**metrogis.org**  
**> Teams + Governance**  
**>> Overview + Guidelines**



*Current Approved Version  
July 25, 2012*



# Agenda Item 4 (action item)

## Revised MetroGIS Operational Guidelines and Procedures

**Action Item:**  
***Approval as Revised;***

***Approval with  
Recommendations;***

***Rejection***

***Table for Further  
Review and/or Discussion***



*Current Approved Version  
July 25, 2012*



A vertical strip on the left side of the slide shows a map of a region with various roads and markers. The markers include numbers like 10, 65, 594, 35W, 94, 55, 62, and 77. The map is rendered in shades of blue and white.

# Agenda Item 5: 2016 Work Plan Proposals



# Agenda Item 5a:

## Historical Aerial Photograph Mosaics for the Seven County Metropolitan Region



**Kevin Dyke, Spatial Data Analyst/Curator**

*John R. Borchert Map Library, University of Minnesota*



**Ryan Mattke, Head**

*John R. Borchert Map Library, University of Minnesota*

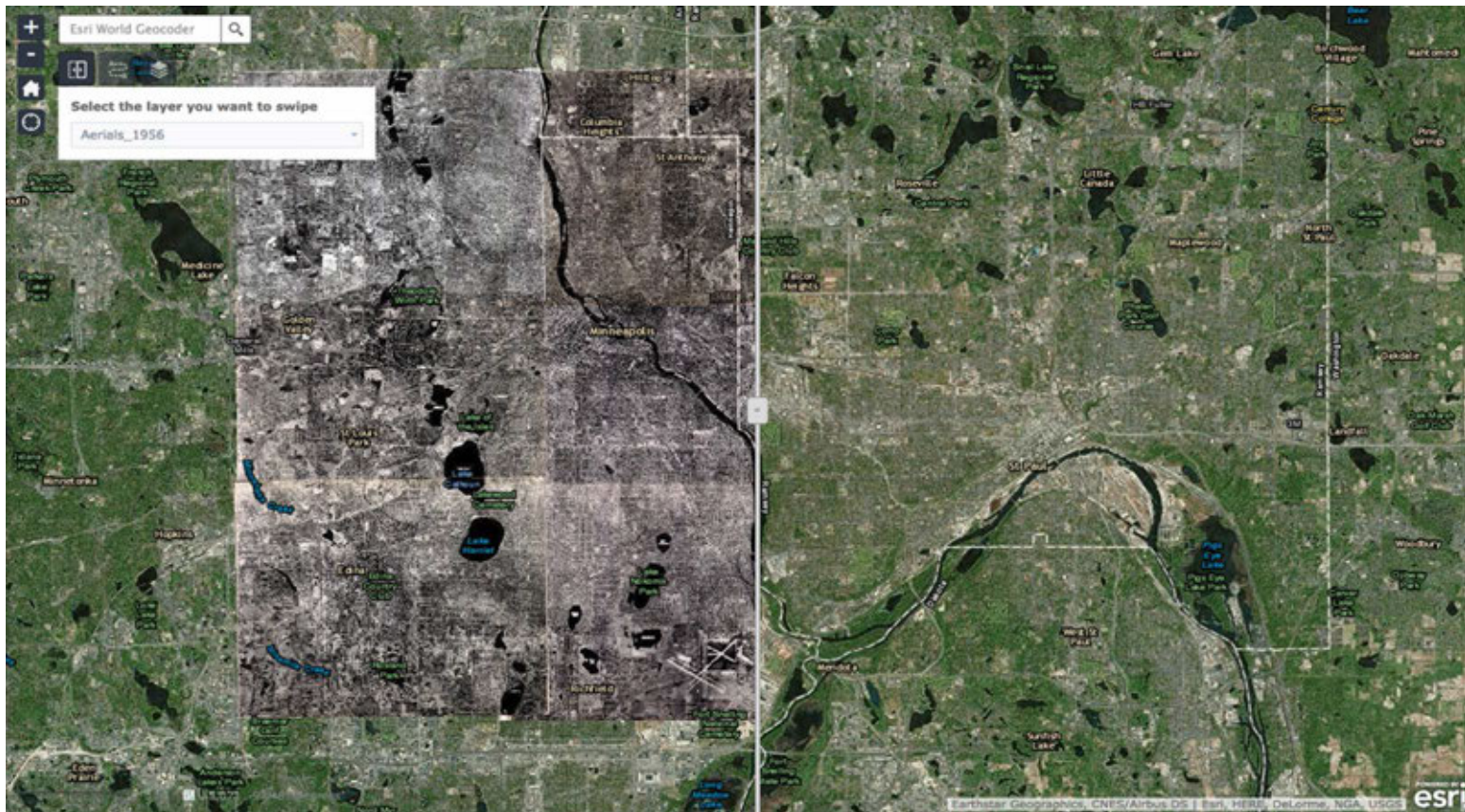


**Jeff Matson and Len Kne, Project Champions**

*Center for Urban and Regional Analysis, University of Minnesota  
U-Spatial, University of Minnesota*

# Project Background

The Borchert Map Library completed an [interactive mosaic](#) of Minneapolis and St. Paul for 1956 for CURA.



<http://umn.maps.arcgis.com/apps/webappviewer/index.html?id=4a14148f07a44324a9005d98c554f351>

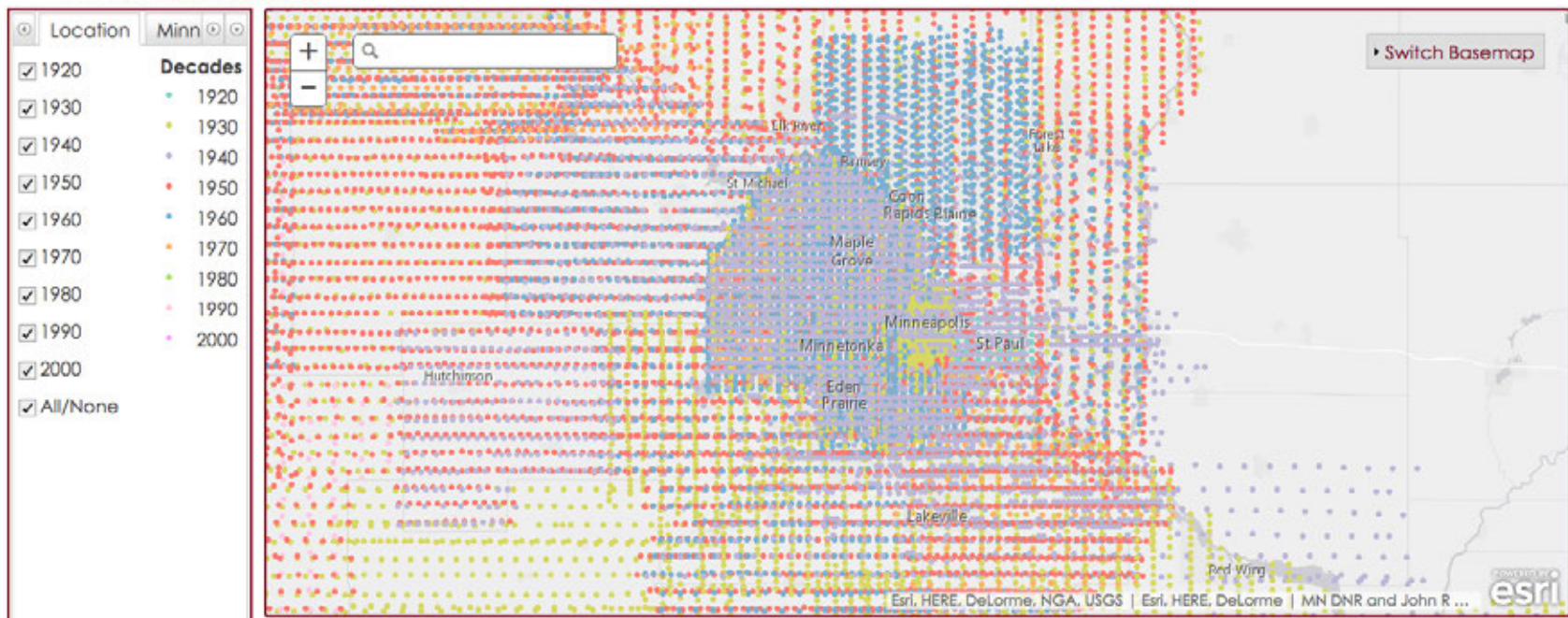
# Project Background

Minnesota Historical Aerial Photographs Online provides links for non-georeferenced images.

## Minnesota Historical Aerial Photographs Online

from the [John R. Borchert Map Library](#)

UNIVERSITY OF MINNESOTA  
LIBRARIES



The screenshot displays the web application interface for Minnesota Historical Aerial Photographs Online. On the left, a sidebar titled 'Location' and 'Minn' contains a 'Decades' section with checkboxes for 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, and 'All/None'. The main map area shows a grid of colored dots representing aerial photographs, with city names like Elk River, Ramsey, Forest Lake, St. Michael, Coon Rapids, Maple Grove, Minneapolis, St. Paul, Minnetonka, Eden Prairie, Lakeville, and Red Wing labeled. A search bar and zoom controls are at the top left of the map. A 'Switch Basemap' button is at the top right. The bottom of the map area features a text box with instructions: 'Select the decades to see photos using the checkboxes on the left. Zoom in further to click on individual points.'

<https://www.lib.umn.edu/apps/mhapo/>

# What we want to do...

Create georeferenced aerial photo mosaics covering the entire seven county metropolitan region, giving users a decade-by-decade window into the region's history.





# What we are asking for...

We have completed a **pilot project**;

We have a **workflow** developed;

Now we want to 'scale up' and hire undergraduates to expand the work to the Seven Metropolitan Counties;

# Working in phases...

For the initial phase, we'd hire two students, who will complete two mosaics by the end of **May 2016**.

Then, having a fully tested and streamlined the workflow, we would request additional funding to complete the remaining mosaics.

# After the georeferencing...

We will utilize the University of Minnesota's infrastructure **to host and maintain** the mosaics, thereby centralizing and reducing costs.



# Questions?





## Agenda Item 5b

# Minnesota Park and Trail System Data Standard and Dataset

Hal Watson, DNR proposal (March 2015)

### Short-Term Goals:

- > Gather & document stakeholder requirements;
- > Develop a data standard to meet stakeholder needs;
- > Sample dataset and review by the community;





## Agenda Item 5b

# Minnesota Park and Trail System Data Standard and Dataset

### Long Term Goals:

- > An adopted data standard;
- > Consistently structured recreation data and services;
- > Consumable by wide variety of public and private applications;



A vertical map of the Minneapolis area is positioned on the left side of the slide. It shows major roads like I-94, I-694, and I-35, along with local streets and parks. The map is partially obscured by the MetroGIS logo at the bottom.

## Agenda Item 5b

# Minnesota Park and Trail System Data Standard and Dataset

### Next Immediate Steps:


- > Add to MetroGIS Work Plan;
- > Identify parallel efforts (Hennepin Co/U of M/Council);
- > Develop full stakeholder list + work team;
- > Stakeholder event, requirements gathering;
- > Develop data standard;
- > Develop sample data for review;



# Agenda Item 6: 2016 Work Plan







**Agenda Item 6a:**  
**2016 Work Plan**  
**Survey Results Recap**



		HIGH	MEDIUM	LOW	NO NEED	WEIGHTED AVERAGE
<b>IP</b>	Data Aggregation Address Points: Pilot Project	<b>73.68</b>	21.05	5.26	0.00	<b>2.68</b>
<b>IP</b>	Minnesota Geospatial Commons (MetroGIS Support)	<b>52.63</b>	42.11	5.26	0.00	<b>2.47</b>
<b>IP</b>	Metro Regional Centerline Collaborative	<b>52.63</b>	26.32	21.05	0.00	<b>2.32</b>
<b>IP</b>	2016 Metro Aerial Imagery Buy Up	<b>42.11</b>	31.58	26.32	0.00	<b>2.16</b>
<b>NEW</b>	Statewide Park & Trail Data Standard/Dataset	31.58	<b>52.63</b>	10.53	5.26	<b>2.11</b>
<b>IP</b>	Free + Open Geospatial Data Research and Advocacy	21.05	<b>57.89</b>	21.05	0.00	<b>2.00</b>
<b>NEW</b>	Historic Aerial Imagery Mosaic + Archive	31.58	31.58	<b>36.84</b>	0.00	<b>1.95</b>
<b>IP</b>	Statewide Centerlines Initiative	15.79	36.84	<b>42.11</b>	5.26	<b>1.63</b>
<b>R</b>	Regional Stormwater System Dataset	26.32	15.79	<b>52.63</b>	5.26	<b>1.63</b>
<b>OLD</b>	Regional Basemap Services	10.53	<b>52.63</b>	26.32	10.53	<b>1.53</b>
<b>OLD</b>	Improvements to MetroGIS Geocoder	10.53	<b>31.58</b>	26.32	10.53	<b>1.11</b>
<b>OLD</b>	Increased Frequency of Parcel Data Updates	0.00	31.58	<b>47.37</b>	5.26	<b>1.05</b>

# Survey Results Recap:

*Written responses:*

*“Standardize the workflow process between cities, counties and state for a data repository (Commons)”*

*“Let’s focus on doing a great job on our existing projects”*



A vertical strip on the left side of the slide shows a map of the MetroGIS region. The map features a network of roads and highways, with several routes labeled with numbers: 10, 65, 54, 35W, 94, 55, 62, and 77. The map is rendered in shades of blue and white.

# Agenda Item 6b: 2016 Work Plan Priority Ranking Exercise



## Agenda Item 7:

# NextGen9-1-1 Briefing

## Adam Iten

Project Manager, Project Management Office  
Department of Public Safety  
Emergency Communication Networks  
MN.IT Services



# Next Generation 9-1-1 GIS Project Status Update 8/27/2015



# GIS Data in NG9-1-1

- **Location validation** of devices capable of calling 9-1-1
- **Route 9-1-1 calls** to the proper destination
- Determine the correct **emergency response** agency
- Enhanced data quality, interoperability, and sharing
- Streamlined data maintenance



# Current Tasks

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- PSAP Request for Information – Summary Report
- NG9-1-1 GIS Data Assessment and Preparation
- Map Viewer and Editing Tools
- Minnesota NG9-1-1 GIS Standards
- Communication Plan





# PSAP RFI – Summary Report

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- RFI purpose: to assess the status of GIS data and software at every PSAP in Minnesota
- Response status: 95 of 105 PSAPs (90%)
- Summary Report
  - Distributed to stakeholders on 8/20
  - Available on ECN website



# NG9-1-1 GIS Data Assessment and Preparation

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- Initial NG9-1-1 GIS data request
  - FirstNet – needs all Public Safety Entity boundaries by beginning of September
  - MnGeo – inventory existing NG911 GIS data, build internal processes, field mapping (local vs NENA schemas)
- New GIS data repository
- Document MESB's current 9-1-1 GIS data preparation processes in Metro region
- Plan for NE region



# Map Viewer and Editing Tools

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- Potential uses:
  - NG9-1-1 GIS data viewer
  - Project status tracking and reporting
  - Redline, comment, approval
  - Data editor
  - Error resolution
- Developing functional requirements
  - Short term vs long term
  - Stakeholder assistance



# Minnesota NG9-1-1 GIS Standards

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- GIS data requirements for NG9-1-1 in Minnesota
- Align with NENA Standards
- Standards Workgroup
- Review and approval
  - GIS Subcommittee
  - NG9-1-1 Committee
  - Statewide Emergency Communications Board (SECB)
  - Statewide Geospatial Advisory Council (SGAC)
  - MNIT
- Other States

# Communication Plan

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- ECN website
- Monthly
  - Project newsletter
  - GIS Subcommittee meeting
  - NG9-1-1 Committee meeting
  - SECB meeting
- Quarterly
  - Regional PSAP/GIS meetings
  - Statewide Geospatial Advisory Council





**Agenda Item 8:**  
**Current Project Updates**





**Agenda Item 8a:**  
**Data Aggregation**  
**Address Point Pilot Project**



# Item 8a: Address Point Aggregation

Pilot Project Discussion:  
June 30, 2015 @ DNR

Carver & Dakota Co. staff,  
DNR, MetCouncil, MnGeo &  
MN.IT Services, MetroGIS

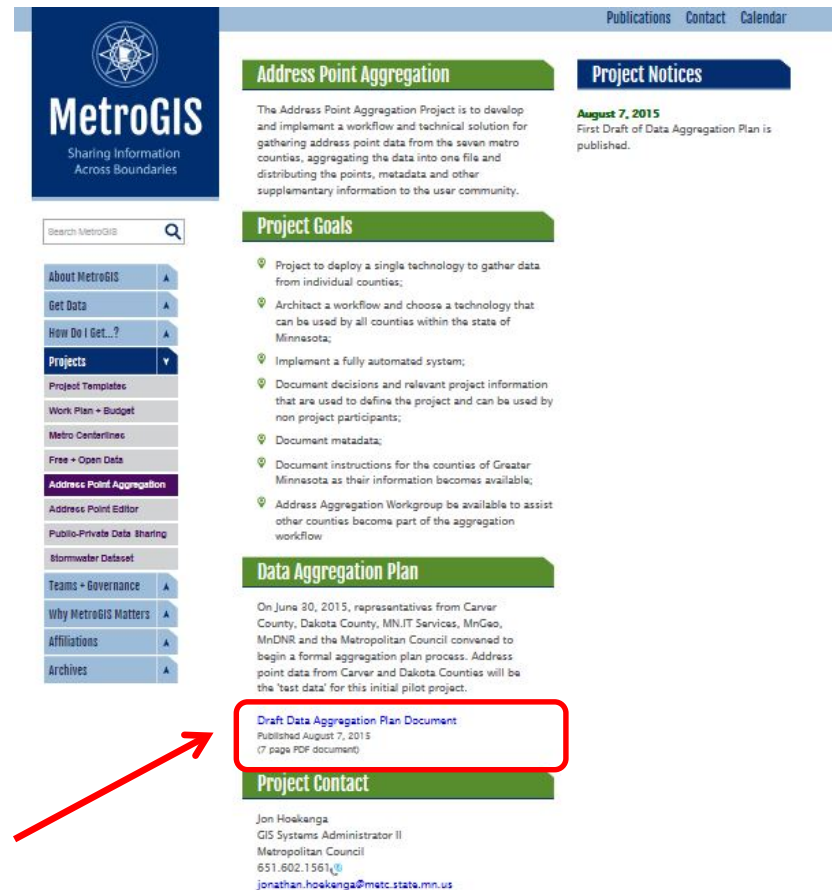
Develop a small pilot project  
to test methods of aggregating  
address points directly from  
data producers & aggregators

***Draft Plan Document (7 pages)***

[www.metrogis.org](http://www.metrogis.org)

> Projects

>> Address Point Aggregation



Publications Contact Calendar

## Address Point Aggregation

The Address Point Aggregation Project is to develop and implement a workflow and technical solution for gathering address point data from the seven metro counties, aggregating the data into one file and distributing the points, metadata and other supplementary information to the user community.

### Project Notices

**August 7, 2015**  
First Draft of Data Aggregation Plan is published.

### Project Goals

- Project to deploy a single technology to gather data from individual counties;
- Architect a workflow and choose a technology that can be used by all counties within the state of Minnesota;
- Implement a fully automated system;
- Document decisions and relevant project information that are used to define the project and can be used by non project participants;
- Document metadata;
- Document instructions for the counties of Greater Minnesota as their information becomes available;
- Address Aggregation Workgroup be available to assist other counties become part of the aggregation workflow.

### Data Aggregation Plan

On June 30, 2015, representatives from Carver County, Dakota County, MN.IT Services, MnGeo, MnDNR and the Metropolitan Council convened to begin a formal aggregation plan process. Address point data from Carver and Dakota Counties will be the 'test data' for this initial pilot project.

**Draft Data Aggregation Plan Document**  
Published August 7, 2015  
(7 page PDF document)

### Project Contact

Jon Hoekanga  
GIS Systems Administrator II  
Metropolitan Council  
651.602.1561  
[jonathan.hoekanga@metc.state.mn.us](mailto:jonathan.hoekanga@metc.state.mn.us)





Agenda Item 8b:  
**Metro Regional  
Centerline Collaborative**



# 8b: Metro Centerlines (MRCC)



August 3, 2015 meeting  
Second project charter adopted;

'First Build' is underway;  
(County GIS personnel = awesome!)

December 7, 2015 goal  
Completion of first batch of  
local datasets;

Monthly 'check-in' conference calls;

MRCC Resources  
[www.metrogis.org](http://www.metrogis.org)

> Projects

>> Metro Centerlines

The screenshot shows the MetroGIS website interface. On the left is a navigation menu with links like 'About MetroGIS', 'Get Data', 'View the Data', 'Projects', 'Project Resources', 'Work Plan & Budget', 'Data Collection', 'Data & Open Data', 'Address Data Application', 'Address Point Editor', 'Public/Private Data Sharing', 'Stakeholder Dashboard', 'Teams & Governance', 'July MetroGIS Bulletin', 'Affiliations', and 'Subsites'. The main content area is titled 'Metro Regional Centerline Collaborative' and includes sections for 'Overview', 'Kind of the Project', 'Road Use Project', 'What are the core uses of this dataset?', 'Project Contacts', and 'Downloads & Survey'. The 'Downloads & Survey' section contains a list of documents for download, with 'Get the Sample Dataset' highlighted in a red box. A red arrow points from the 'MRCC Resources' text to this link.



# 8b: Metro Centerlines (MRCC)

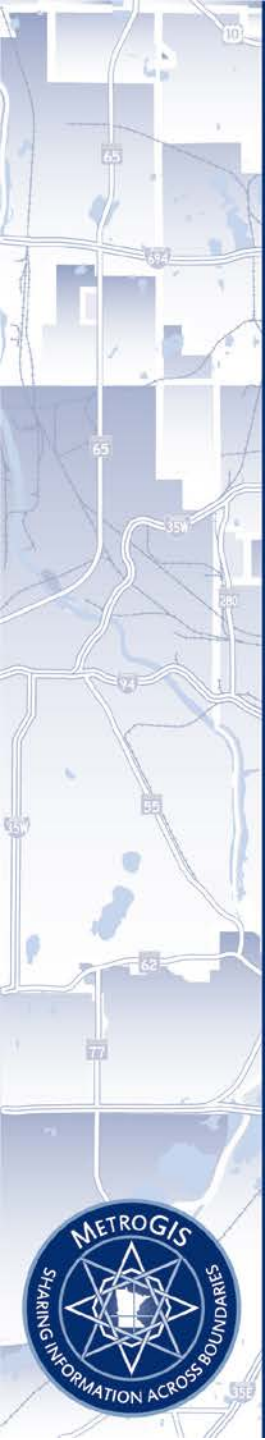


## MRCC Resources available:

- > **Project Charter “Phase II”**
- > **Sample Dataset** (Version 1.3)
- > **Project Summary/FAQ Document** (Updated, Version 2.0)
- > **Data Standard Document** (Version 1.3)
- > **‘Spec Sheet’ Excel Table** (Version 1.3)
- > **Planarization & Routing Attribution Guide** (Version 1.0)
- > **Generalized ‘Work Flow’ Diagram** (Version 1.1)
- > **Unique ID Guide** (Version 2.0)
- > **County Boundary Edge Matching Guide**

## **Stakeholder Input Report**

(6 week review/comment period: 2/23 thru 4/3)





# 8b: Metro Centerlines

## August 26: Data Hosting Meeting

**MnGeo** (Dan R, Ali W)

**Hennepin County** (Ann H, Tm B, Gary S, Doug B)

**MetCouncil** (Jon H)

**MetroGIS** (Geoff M)

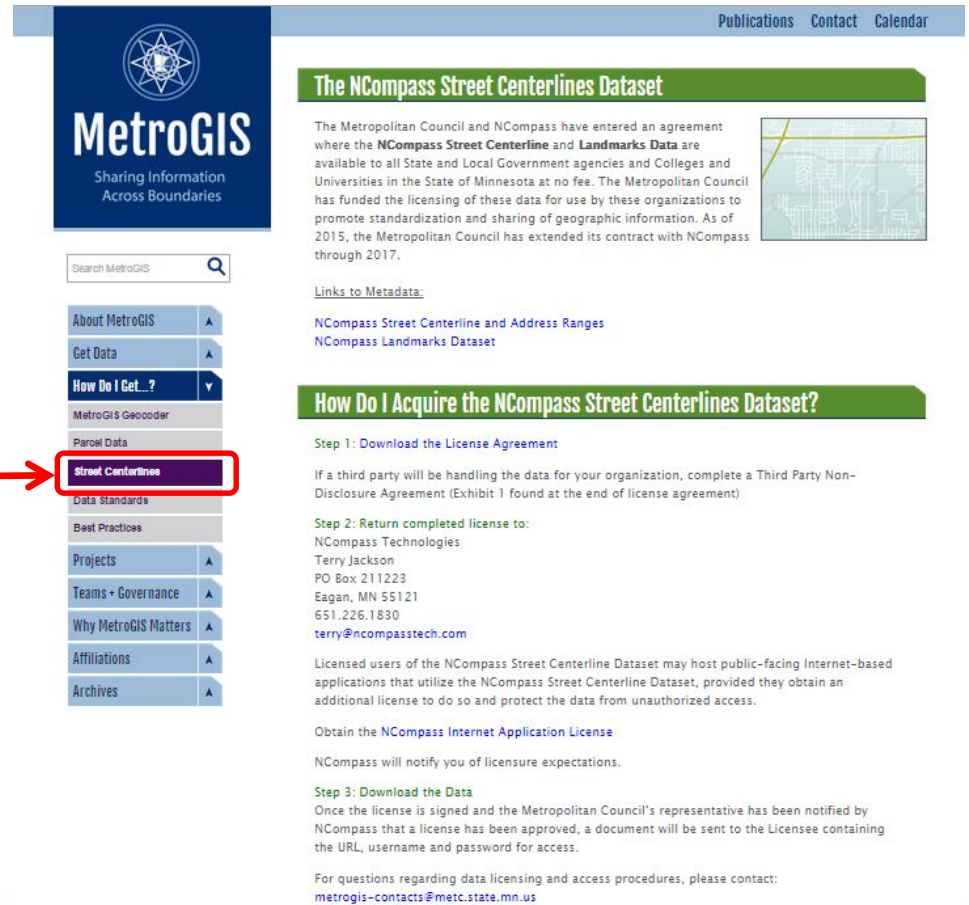
**Initial recommendation: state-level hosting**  
*MRCC Core Team (leadership) review and approval will be required*



# NCompass Centerlines: Extension

*Metropolitan Council  
has extended the  
existing contract  
through Dec 31, 2017*

**metrogis.org**  
> How Do I Get...?  
>> Street Centerlines



The screenshot shows the MetroGIS website interface. At the top right, there are links for 'Publications', 'Contact', and 'Calendar'. The main header features the MetroGIS logo and the tagline 'Sharing Information Across Boundaries'. Below the header is a search bar and a navigation menu. The 'How Do I Get...?' menu item is expanded, and the 'Street Centerlines' link is highlighted with a red arrow. To the right of the navigation menu, there is a section titled 'The NCompass Street Centerlines Dataset' with a brief description and a small map. Below this is a section titled 'How Do I Acquire the NCompass Street Centerlines Dataset?' with three steps: 'Step 1: Download the License Agreement', 'Step 2: Return completed license to:', and 'Step 3: Download the Data'. The contact information for Terry Jackson is provided, along with a note about the license and a contact email address.

Publications Contact Calendar

## The NCompass Street Centerlines Dataset

The Metropolitan Council and NCompass have entered an agreement where the **NCompass Street Centerline** and **Landmarks Data** are available to all State and Local Government agencies and Colleges and Universities in the State of Minnesota at no fee. The Metropolitan Council has funded the licensing of these data for use by these organizations to promote standardization and sharing of geographic information. As of 2015, the Metropolitan Council has extended its contract with NCompass through 2017.

Links to Metadata:  
[NCompass Street Centerline and Address Ranges](#)  
[NCompass Landmarks Dataset](#)

## How Do I Acquire the NCompass Street Centerlines Dataset?

**Step 1: Download the License Agreement**

If a third party will be handling the data for your organization, complete a Third Party Non-Disclosure Agreement (Exhibit 1 found at the end of license agreement)

**Step 2: Return completed license to:**  
NCompass Technologies  
Terry Jackson  
PO Box 211223  
Eagan, MN 55121  
651.226.1830  
[terry@ncompasstech.com](mailto:terry@ncompasstech.com)

Licensed users of the NCompass Street Centerline Dataset may host public-facing Internet-based applications that utilize the NCompass Street Centerline Dataset, provided they obtain an additional license to do so and protect the data from unauthorized access.

Obtain the **NCompass Internet Application License**

NCompass will notify you of licensure expectations.

**Step 3: Download the Data**

Once the license is signed and the Metropolitan Council's representative has been notified by NCompass that a license has been approved, a document will be sent to the Licensee containing the URL, username and password for access.

For questions regarding data licensing and access procedures, please contact:  
[metrogis-contacts@metc.state.mn.us](mailto:metrogis-contacts@metc.state.mn.us)



# Agenda Item 8c: **Free + Open Data**



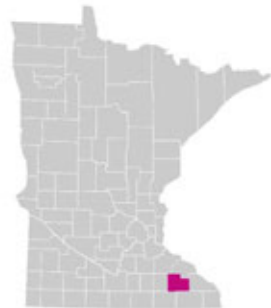
# Agenda Item 8c: Free + Open Data



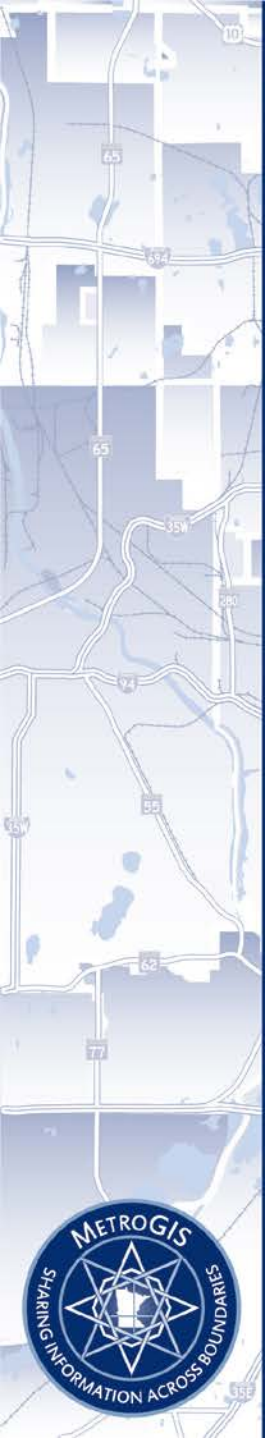
Communicating with **Itasca County**  
*Plan to open their data on **January 1, 2016***



Presentation to **Rice County**  
*(Faribault, August 10)*

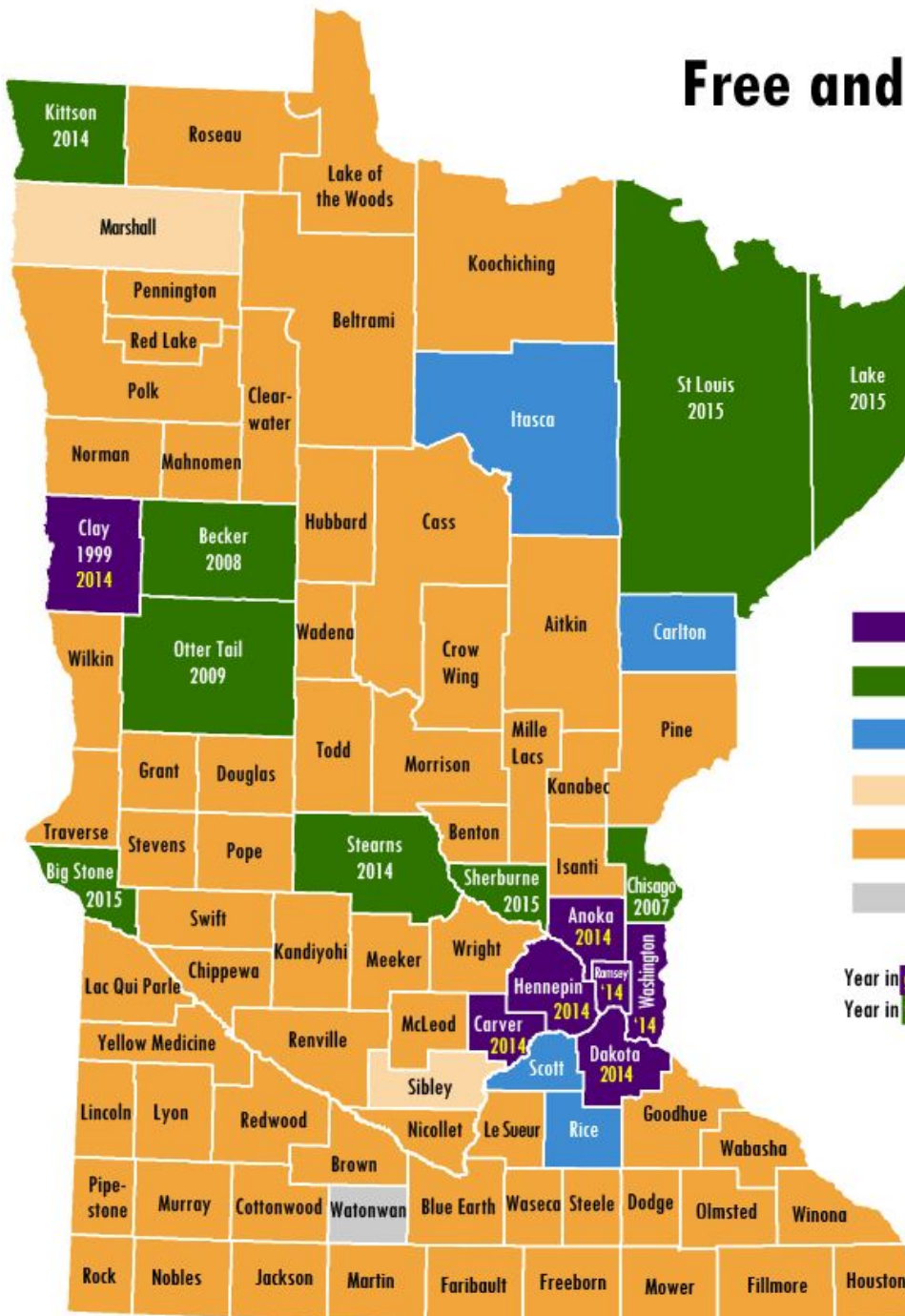


**Olmsted County** *(on hold)*



# Free and Open Public Geospatial Data

## As of August 13, 2015



- Data Freely Available, Adoption of Open Data Policy
- Data Freely Available, No Policy Adopted
- Free and Open Data Under Consideration
- Geospatial Data In Development
- Sale and Licensure of Data
- Geospatial Data Status Unknown

Year in gold indicates the year a free and open public geospatial data policy was adopted  
 Year in white indicates the year the data became freely and openly available

Sources:  
 Phone interviews with county staff, 2014-2015  
 Minutes of County Board Meetings, 2014-2015  
 Web searches of county websites/data portals, 2014-2015

Note: This map is subject to frequent updates



# Free + Open Data: “White Paper II”

*Questions, Answer, Concepts and Resources for Practitioners*

## Second Draft

*(Work in progress)*

Works to answer specific questions being received from counties in Greater Minnesota;

*Terminology;*  
*Legal context;*  
*Defining public data;*  
*Fiscal issues;*  
*Liability issues;*  
*Access and availability;*  
*Safe At Home Law;*  
*Links to resources;*



**Free + Open Public Geospatial Data in Minnesota**  
*Questions, Answers, Concepts and Resources for Practitioners*

**[SECOND DRAFT: MAY 1, 2015]**

Published by:

MetroGIS  
Minnesota Geospatial Information Office



## Metro Regional Parcel Dataset: Full Version



- > Governed by the **License Agreement**
- > Includes Data From **All Seven Counties**
- > Data is in **MetroGIS Parcel Standard**
- > Requires **License Agreement** to acquire
- > Available to Government/Academia
- > This agreement ends **December 31, 2015**

## Metro Regional Parcel Dataset: Free Version



- > Includes Data From **Five Metro Counties**
- > Data is in **MetroGIS Parcel Standard**
- > **No License Agreement Required**
- > **Freely Publicly Available**
- > **The Authorized Representative** must grant permission for county's data to be included in the **Free Version**

Scott County:

Jim Hentges

Hennepin County:

William Brown or successor (C. Mavis)



# 8d: Minnesota Geospatial Commons

<http://gisdata.mn.gov/>



The screenshot shows the homepage of the Minnesota Geospatial Commons website. At the top, there is a navigation bar with the site logo, a search bar, and links for 'Log in' and 'Register'. Below the navigation bar is a large banner image showing a group of people's hands stacked together in a circle, with a map of Minnesota overlaid on the image. The text on the banner reads 'Working Together' and 'The Geospatial Commons brings together data from public and private organizations'. Below the banner is a section titled 'A collaborative place for users and publishers of geospatial resources in Minnesota'. Underneath this is a 'Search Your Data' section with a search input field and a 'Search' button. To the right is a 'Featured organizations' section with two entries: the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency, each with a logo and a brief description of their mission. At the bottom left, there is a 'News' section with a list of recent updates.

Working Together  
The Geospatial Commons  
brings together data from public  
and private organizations

A collaborative place for users and publishers of geospatial resources in Minnesota

Search Your Data

Search

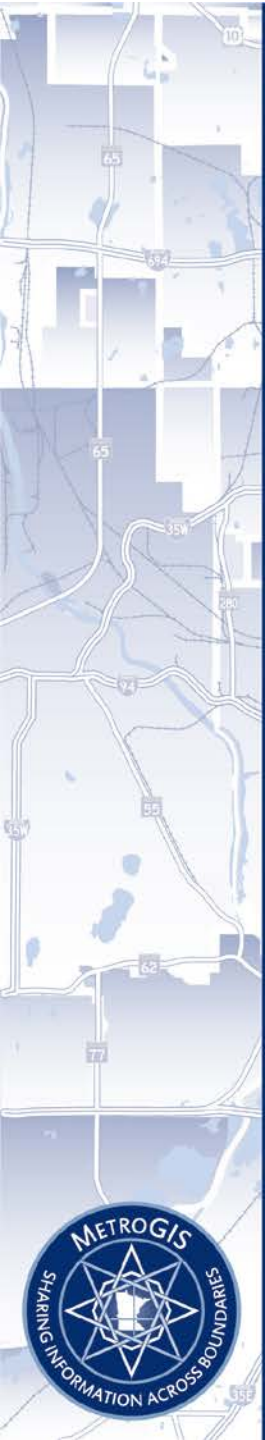
News

- Find us at the MN GIS/LIS Consortium Conference
- Statewide leaf-off imagery project nears completion
- Where to find more data during migration phase
- Minnesota Geospatial Commons launched on July 1, 2014

Featured organizations

Minnesota Department of Agriculture  
Ensuring the integrity of our food supply, the health of our environment, and the strength of our agricultural economy.

Minnesota Pollution Control Agency  
Minnesota Pollution Control Agency  
Working to protect and improve our environment and enhance human health.





# Status:

## Continued data migration:

**MnDNR Data Deli** (*retired in April*)

**MN Geological Survey**

**MetroGIS DataFinder** (*begun transitioning*)

**Metropolitan Council** (*48 resources*)

Published resources accessible:

**250 + Resources**

**15 Organizations**

Open to broader participation;

*Multiple ways to participate;*

*On-going opportunity for candidate partners who want to represent their data via the **Commons**;*

Metadata training to be provided;

Agenda Item 8e:  
**Statewide Centerline Initiative**





**Set up: MnGeo instance of ESRI 'Roads and Highways' for the partners;  
Conflation of non-state road data;  
Align with the Metro Regional Centerlines Collaborative project;  
Align with the NextGen9-1-1 efforts;**



**Agenda Item 8e:**

# **Statewide Centerline Initiative**



**To develop, test, refine, publish and perpetuate a  
single state-wide roadway dataset that  
meets the needs of a diverse user community;**



**Agenda Item 8f:**  
**2016 Aerial Imagery Collection**





## **Metropolitan Council**

Spring 2016; leaf-off, 1-foot

\$100,000 budget committed

Looking for partnership possibilities

## **Chris Cialek, MnGeo**

**Master Services Contract (MSC)**

**Qualified Vendors/Providers List**

**Master Service Contract**

**Vehicle for setting up contracts**

*Collection details would be in the specific work orders*





**Questions, please contact:**

**Chris Cialek**

***[chris.cialek@state.mn.us](mailto:chris.cialek@state.mn.us)***





Agenda Item 8g:

# Address Point Editor Tool Version 3.0



# 8g: Address Point Editor Tool 3.0

**Version 3.0** available since **March 16, 2015**  
North Point Geographic Solutions (Duluth)

**Version 3.0** available here:

***metrogis.org > Projects >> Address Point Editor***

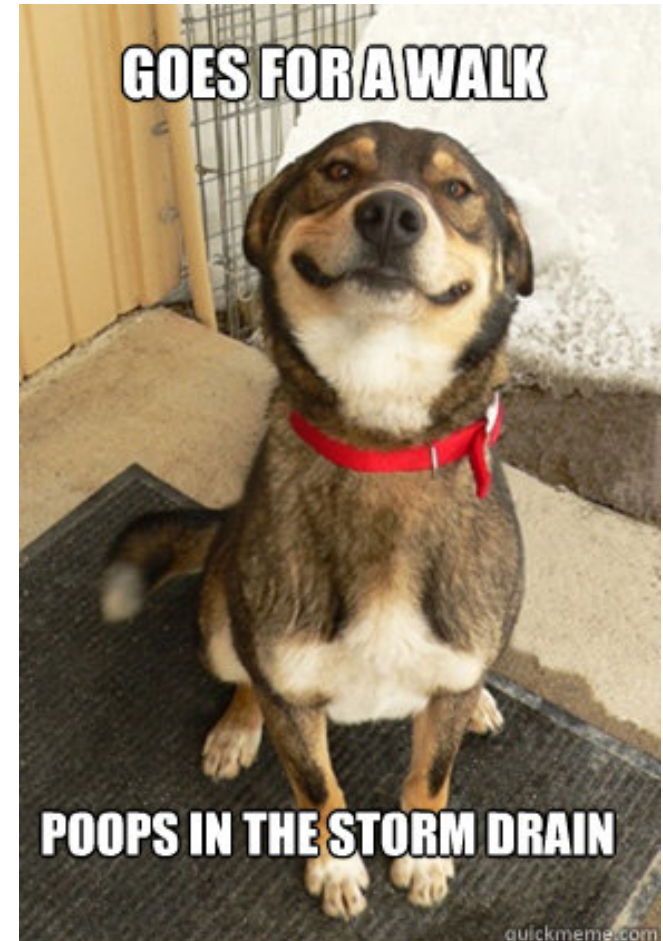
**No proposal for Version 4.0  
as of Fall 2015;**



# 8h: Regional Stormwater Dataset (On Hold)

## Business Case Documentation Progress:

- Metropolitan Mosquito Control District
- University of Minnesota Ecology Department
- Ramsey Washington Metro Watershed District
- Metropolitan Council Environmental Services Dept.
- City of Shoreview
- St. Olaf College, Environmental Studies
- USGS Water Science Center
- Capitol Region Watershed District
- Upper Mississippi River Basin Association
- Mississippi Nat'l River and Recreation Area (NPS)
- City of St. Paul
- Ramsey County Department of Public Works
- Minnesota Department of Health
- City of Minneapolis
- Hamline University



*(Geoff has a list of 20-30 more stakeholders yet to be interviewed)*

## Agenda Item 9: Lightning Round





# Agenda Item 10: Coordinator Updates





# Agenda Item 10a: Policy Board Update

**Last Meeting: 2015 Annual Meeting**

*Wednesday, April 29, 2015, 7 pm*

- Brief Project Updates;
- Impact of Free and Open Data;
  - > Guest presenters from data producer & consumer community;
  - > What it's meant to county providers;
- Movement toward the new **Memorandum of Agreement**

**Next Meeting: 2016 Annual Meeting**

*Wednesday, April 27, 2016*





# Agenda Item 10b: New MOA/Contract

## Draft Developed In Summer 2015

5-page draft contract developed by MetroGIS

Revised by MetCouncil Procurement and Legal Departments

*Currently under review by the **Seven Metropolitan Counties***

## Seven Metropolitan Counties

*Provide **parcel data** quarterly in standard;*

*Provide **address point** and **centerline data** quarterly (as available);*

*Provide updated **municipal boundaries**;*

## Metropolitan Council:

*Annual Payment \$4000/year continues through 2016 & 2017;*

*Two 1-year extensions (through end of 2019) are possible;*





# Agenda Item 10c:

## NW Ontario Innovation Centre

Wednesday, May 13, 2015:

Requested **MetroGIS** to present and participate on a Q/A panel.

Thunder Bay Region & Northern and Western Ontario working to leverage inter-governmental GIS collaborative work.



# Agenda Item 10d: GIS/LIS Participation



## MetroGIS Participation:

### Metro Regional Centerlines Collaborative Panel Discussion

*Matt Koukol, Ramsey County*

*Ann Houghton, Hennepin County*

*Geoff Maas, MetroGIS*



### **Ian McHarg: Innovation and Influence**

*Lightning Round + Poster: Mattke/Maas*



### **New Orleans: 10 Years After Hurricane Katrina** *(A Geographic Perspective)*



A vertical strip on the left side of the slide shows a map of the MetroGIS region. The map features a network of roads and highways, with several routes labeled with numbers: 10, 65, 584, 35W, 74, 65, 62, 77, and 138. The map is rendered in shades of blue and white.

**Agenda Item 11:**

***Next Meeting***

***Thursday, November 12, 2015***

**Agenda Item 12:**

***Adjourn***

