

## Technical Advisory Team Meeting

**Wednesday, January 17, 2001**

**Place: City of Lakes - Minneapolis**

309 2<sup>nd</sup> Avenue South

Minneapolis, MN 55401

**Time: 8:30 – 11:30 a.m.**

## Agenda

### 1. Call to Order

### 2. Accept Agenda

### 3. Introduction of Team Members

### 4. Accept Meeting Minutes

(a) November 2, 2000

*action* pg. 3

### 5. Action and Discussion Items:

(a) Technical Team - Team Assignments

*action* pg. 9

(b) School District Boundaries Recommendations

*action* pg. 11

(c) Enhanced DataFinder Demonstration/Evaluation

pg. 15

(d) Data Distribution Demonstration - INTERGRAPH

pg. 16

### 6. Information Items:

(a) Business Information Needs Updates

pg. 17

➤ Regional Parcel Dataset Project Updates

➤ Census Geography

➤ Planned Future Land Use

### 7. Next Meeting

March 14, 2001 (Site/Time - TBD)

### 8. Adjourn



## Meeting Summary

Approved On:  
*Draft Only*

### MetroGIS Technical Advisory Team November 2, 2000

#### 1. Call to Order

Co-Chair Maxwell called the meeting to order at 1:30 p.m., at the ESRI, Corporate Offices in Eagan.

Members present: Bob Basques (City of St. Paul); David Claypool (Ramsey County); Sherry Coatney (Intergraph); John Connelly (St. Paul & Ramsey County Charter Commissions); Will Craig (UM CURA); Dan Falbo (ESRI); Rick Gelbmann (Metropolitan Council); Jay Krafthefer (Mn/DOT); Susanne Maeder (LMIC); Jim Maxwell (The Lawrence Group); Bob Moulder (Hennepin County); Michael Munson (Metropolitan Council); Rick Person (City of St. Paul); Bob Moulder (Hennepin County); Bart Richardson (DNR IS); Mike Rowekamp (Rowekamp Associates); Scott Simmer (Hennepin County); Ronald Wencl (USGS); Tim Zimmerman (Hennepin County)

Members absent: Roger Carlson (City of Minneapolis); Elliott Graham (Ramsey County); Blaine Hackett (PlanSight, LLC); Jane Harper (Washington County); Donna Roper (Minneapolis Public School District); Ben Verbick (LOGIS)

Visitors: Chris Cialek (LMIC); Bob Diedrich (SRF Consulting); Dan Pfeffer (Scott County); James Bundy (Scott County); William Brown (Hennepin County); Jim Dickerson (LMIC); Cathy Grams (Rowekamp Associates); John Hoshal (LMIC); Don Yeager (LMIC); Sally Wakefield (LMIC); Janice Rettman (Ramsey County); Brad Henry (City of Minneapolis); Gary Stevenson (Dakota County); Kent Tupper (Dakota County); Randy Knippel (Dakota County); Dan Bartholic (City of St. Paul); William Brown (Hennepin County); Peter Henschel (Carver County); Gordon Chinander (Carver County); Damon Dougherty (Intergraph); Lynn Lamotte (ESRI); Mike Johnson (ESRI); Dick Chronowski (ESRI); Scott Merkley (City of St. Louis Park); Mark Kotz (Metropolitan Council); Alison Slaats (Metropolitan Council)

Staff: Theresa Foster (MetroGIS Technical Coordinator); Randy Johnson (MetroGIS Staff Coordinator)

#### 2. Accept Agenda

Member Wencl motioned to accept the agenda as submitted, Member Connelly seconded. *Motion carried.*

#### 3. Introduction of Team Members

Co-Chair Maxwell welcomed the new members of the team (Rowekamp, Falbo, Simmer and Coatney) and then all members and welcomed the new guests from each county. Maxwell stated that due to the data distribution demonstration we will be sticking to the schedule pretty close.

#### **4. Accept Meeting Minutes**

Member Maxwell motioned to accept the meeting minutes from June 6, 2000, Member Gelbmann seconded.

*Motion carried.*

#### **5a. NSSDA - Best Management Practice**

Chris Cialek, LMIC, presented a brief overview of the NSSDA and what it means to MetroGIS stakeholders in the reporting of spatial accuracy of maps and geospatial data. The three fundamentals to the NSSDA are; no measurement is ever exact, statistics and precision vs. accuracy. The third part of the five NSSDA standards focuses on defining accuracy; describing a method to test spatial data for positional accuracy, identifies a well-defined statistic used to describe accuracy test results and provides a common way to report accuracy. The Positional Accuracy Handbook, prepared by the MN Governors Council, breaks down the federal standard into 7 steps, provides explanation and offers a variety of case studies to follow when applying the standard to your spatial data. More information about the National Standard can be found at

[http://www.fgdc.gov/standards/status/sub1\\_3.html](http://www.fgdc.gov/standards/status/sub1_3.html). More information about the Minnesota's Positional Accuracy Handbook and to download the documents and worksheet can be found at <http://www.mnplan.state.mn.us/press/accurate.html>.

Member Wencl recommend adoption of Minnesota IRM Standard 19, Version 1: *A Methodology for Measuring and Reporting Positional Accuracy in Spatial Data* as a “Best Management Practice” for use by all MetroGIS stakeholders, Member Craig seconded.

*Motion carried.*

#### **5b. Technical Team - Work Plan Priorities 2001**

Member Maxwell introduced the generalized team work plan for the year 2001 and highlighted priorities for the coming year. Member Wencl commented that item number three should be coupled with general work plan number four. Member Craig asked when the school district boundaries peer review will be scheduled. Foster commented that it will be held on November 30th. Foster reiterated that this was a general work plan and that specific tasks for the year 2001 will be talked about in further agenda items as well as assignment duties by Technical Advisory Team members at the next meeting in January. A detailed schedule of information was passed out to members prior to the meeting.

Member Wencl moved to accept the generalized work plan with the aforementioned changes, Member Gelbmann seconded.

*Motion carried.*

#### **5c. Data Distribution Demonstration - ArcIMS**

Member Maxwell reminded members that MetroGIS will be looking at different data distribution mechanisms for larger data sets based upon future needs of MetroGIS users. The basis for each demonstration will be on the capabilities of accessing and distributing

large data sets, architecture of their system, technical tools, benefits, data security and access, and any data standards that are in place and/or required to support each system.

Mike Johnson, Dan Falbo and Dick Chronowski demonstrated the distribution system ArcIMS. Mike Johnson shared with the members ESRI's Vision of using ArcIMS as a data delivery mechanism, specifically; services, applications, data and e-commerce. ArcIMS can be used by organizations needing to build applications and distribute data data over their network; developers building web-based locational services and geographic applications and e-Commerce managers who serve data and services. ArcIMS today support web standards; integrates with a variety of clients including HTML and Java. ArcInfo 8.1 and ArcView 8.1 become intelligent clients on the Internet able to access remote data served from ArcIMS services.

**Questions and Answers (During Meeting):**

Q: During zooming, in ArcIMS, can themes be forced to turn on at user specific levels rather than from the server side configurations?

A: Can use the .axl default file to give the client a spatial tool to fill the .axl request.

Q: How does the process of data extraction work in the architecture of ArcIMS?

Client sends a request to the Map Service

Map Service responds through the application (MapService responds with a file instead of a link)

Q: What priority standards or coordination is required between (Client and Server) and (Multiple Servers)?

A: Data needs to be available on the map service server to show up.

Be aware of projection differences - data needs to have the projection info. HTML and Java viewers could be built to grab the data in a specified projection.

No reprojections on the fly (out of the box).

Q: What location does Map Notes get stored in:

A: The Administrator could control where and who can store and get at map notes. The Designer sets up access to the server side.

Q: Can others respond to Map Notes?

A: No, Map Notes can only be viewed by others but they cannot edit them.

A: Edit Process w/administrative privileges can be done on the server side to do automated processing of edit notes.

Q: Is the MrSID image that gets sent over a .png representation of the MrSID image?

A: ??

Q: What can the end user print from the viewer?

A: The end-client can print what is in the browser view.

Q: How can you determine performance of the Server when running multiple Map Services?

A: Scalability in architecture.

A: There are web tools available to monitor performance.

A: Dependent on CPU, Map Server Hosts, and Data Servers. You will need a fast link between your map server and data server.

S (Randy Knipple): There is a need for MetroGIS to collaborate and provide standards in order for this type of service to be provided/portable from county to county. If you keep it (ArcIMS) to serving up simple images the end user base will be expanded. Suggests keeping it basic. Allow low-tech and non-GIS users easy access to information.

Example: Custom Image Map Service on parcels and PIN for each county eliminates sales of data by serving images.

Q: Does ArcIMS work with ArcInfo coverages?

A: Must use ArcSDE to serve up coverages. Can run ArcIMS on shapefiles. Doesn't require ArcSDE, but shapefiles can break down with multiple users accessing the data.

Q: Discuss the size of data sets useable without having to use SDE? Mention performance implications.

A: Shapefiles as previously stated do break down with multiple services and users. The metro-area data was in shapefile format but could be better served by using SDE.

Q: Are there any standards in place for the feature streaming?

A: Unsure, but ESRI will look into it.

A: GML (an XML extension)/ is an emerging internet standard for points, lines and polygons.

Java specification, SDK in the future, ArXML documents now.

Q: What can you do on the server side to limit a client from overloading the server?

A: You could check for extents or # of records and perhaps defer downloading or view data to a later time? Or you could possibly build in scale dependency layers to eliminate the time to draw or access data.

Q: When you use the extract service and select by feature what data do you receive?

A: All data in shapefile format with in the browser view, doesn't clip parcel boundaries, buffers them.

Q: What if we have licensed data like parcels and attributes how can we provide access to the data to only specified users?

A: User access built into site (custom user password) or develop different services dependent on site parameters. Control in Web design tools not through ArcIMS.

Q: What are the specific GIS to desktop applications in using a ArcIMS service?

A: Can use the data in ArcView, Arc Explorer, Java Apps built knowing AXL model.

**Questions and Answers (Post-Its):**

Q: Can users download and save the datasets (shapefiles) to their own hard drives?

A: Yes through data steaming.

Q: How is a data provider recognized in situations where they are 2<sup>nd</sup> or 3<sup>rd</sup> party to the data user? As also applied to understanding data quality between the various data sets?

A: Do not understand the question.

Q: Is what Mike Johnson described a services and vision a reality today? List some sites to examine; prefer parcel based sites.

A: Look at Geography Network.

**Overall Evaluation:**

Question:	Ability to access and distribute large data sets	Architecture of the system	Technical tools of the system	Benefits of the system	Information about data security and access	Data Standards required to support system		
<b>Participant</b>								
<b>1</b>	3	4	4	2	3	2		<b>3.00</b>
<b>2</b>	3	3	3	3	2	3		<b>2.83</b>
<b>3</b>	3	3	3	2	3	2		<b>2.67</b>
<b>4</b>	3	2	3	2	2	2		<b>2.33</b>
<b>5</b>	3	3	3	3	3	3		<b>3.00</b>
<b>6</b>	4	4	4	3	1	1		<b>2.83</b>
<b>7</b>	4	3	4	4	2	2		<b>3.17</b>
<b>8</b>	4	4	4	4	3	3		<b>3.67</b>
<b>9</b>	3	3	2	2	2	2		<b>2.33</b>
<b>10</b>	3	4	3	3	3	2		<b>3.00</b>
<b>11</b>	3	3	3	3	3	2		<b>2.83</b>
<b>Avg</b>	<b>3.27</b>	<b>3.27</b>	<b>3.27</b>	<b>2.82</b>	<b>2.45</b>	<b>2.18</b>		<b>2.88</b>

**\*\*Rating Based Upon a 4 Point Scale**

**Would you like to see more demonstrations on data distribution? 5(Y) no(N)**

### **Comments on Evaluation Forms:**

There was some (a lot) of pretty heavy technical (HTML, XML, AXL, Java) information that requires background/knowledge/experience on the subject to fully comprehend and/or appreciate the extent of the topic (i.e. there was a lot over my head!)

Fully agree with Randy Knipple's comment.

This tool brings forward the need for standardized data (among participants in MetroGIS for example) than ever before.

Services/apps/data/e-commerce improvements on the way

E-commerce revenues and enhanced applications to explode

Web/WAN/LAN/wireless applications will be seamless.

Parcel data, for example, could be on county servers and access via MetroGIS Website.

ArcIMS Manager allows complete back-end control of what browser user can see.

Printing/file saving features of great benefit to end user.

### **6. Information Items**

Member Maxwell stated the following information items are for your information only and will not be discussed today.

### **7. Next Meeting**

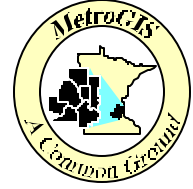
Next meeting is tentatively scheduled for January 9<sup>th</sup>, 2001, from 2-4:00 p.m., at the Metropolitan Mosquito Control District. (*Rescheduled - January 17<sup>th</sup>, 2001, 8:30 - 11:30 a.m. City of Minneapolis*)

### **8. Adjourn**

Maxwell moved and Connelly seconded to adjourn at 4:30 p.m.  
*Motion carried unanimously.*

Prepared by,

Theresa K. Foster  
MetroGIS Technical Coordinator



**TO:** MetroGIS Technical Advisory Team

**FROM:** Technical Team Co-Chairs  
Contact: Jim Maxwell (612-341-9274)  
John Connelly (651-602-1644)  
Staff Contact: Theresa Foster (651-602-1572)

**SUBJECT:** Technical Advisory Team Assignments

**DATE:** January 8, 2001  
*(For the January 17<sup>th</sup> Meeting)*

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### **Background**

The Technical Advisory Team would be better served if its members were organized into the workgroup process and had assigned responsibilities within the process. Each technical team member will need to effectively communicate and deliver the progress of the business information need workgroups and ad-hoc workgroups they are assigned to at Technical Advisory Team and Coordinating Committee meetings. Staff has compiled a Work Plan Prioritization Document with member information (See Attached).

### **Technical Team Member Assignments for the Business Information Needs Workgroup**

- Each Business Information Need for 2001 will be assigned two Technical Advisory Team members to the organization team, each organization team consists of 5-8 stakeholders
- Participate in ~2 to 3 Organization Meetings (2 hours/meeting)
- Participate in Business Information Need Workgroup stakeholder meeting (4 hours)
- Participate and formulate workgroup recommendation to the Technical Advisory Team on data specifications, primary custodian responsibilities and regional custodian responsibilities on the business information need
- Provide timely updates to Technical Advisory Team on all discussion and action items
- If further work needs to be made, such as standards and access issues duties will be assigned at that time

### **Technical Team Member Assignments for the Ad-hoc Workgroups**

- Ad-hoc membership includes and is not limited to current members of the Technical Advisory Team and stakeholders
- Each ad-hoc workgroup will include one or two members of the Technical Advisory Team
- Participate and formulate ad-hoc workgroup recommendation to the Technical Team
- Provide timely updates to Technical Advisory Team on all discussion and action items

### **Recommendation**

Technical Advisory Team approves recommendation to have each member volunteer to the assigned MetroGIS Business Information Needs and Ad-hoc workgroups for the 2001 work plan. Members that have not previously filled in the assignment sheet will be asked to volunteer at the meeting for an information need workgroup and candidate members for ad-hoc workgroups based upon the Technical Advisory Team work plan. We are asking for 8 volunteer for the current calendar year. Please take some time to look at needs that meet your time schedules and organization timeline for this next year prior to the February 17<sup>th</sup> meeting.

<b>MetroGIS Technical Advisory Team Work Program 2001 And Team Assignments</b>				
<b>Work we hope to complete this year</b>	<b>Timeframe</b>	<b>Level of Effort</b>	<b>Member</b>	<b>Member</b>
Parcel Boundaries (Pilot Project and Forum)	(On-going since Sept-98; Forum To Be Held in April 2001)	2-4 Org. Meetings and Data Evaluation Forur	Krafthefer	
Parcel Attributes (Pilot Project and Forum)	(On-going since Sept-98; Forum to be held in April 2001)	2-4 Org. Meetings and Data Evaluation Forur		
Lakes, wetlands, etc. (Recommendations)	(On-going since Aug-99): Spring 2001	Finalize inventory, make recommendations	Maeder	Read
School District Boundaries (Recommendations)	(On-going since Mar-2000); Finalize - Spring 2001	6 Organization Meetings and Peer Review Forur	Harper	Maxwell
Evaluation of the enhanced DataFinder site (Technical Advisory Team/ MetroGIS Members)	(Complete in January/February 2001)	2 Evaluation Meetings	Wencl	Maeder
<b>Work in-progress this year</b>	<b>Timeframe</b>	<b>Level of Effort</b>	<b>Member</b>	<b>Member</b>
Existing Land Use (designations)	TBD	TBD	TBD	TBD
Existing Land Use (polygons)	TBD	TBD	TBD	TBD
Design/Determine Data Distribution Mechanisms for Regional Data Sets	(On-going throughout the year)	2-6 meetings (Preliminary Grant Proposal, RFP)		
MetroGIS Participant Satisfaction Survey	Fall 2001	2-4 meetings in conjunction with Policy Advisory Team	Craig (PAT)	
Workshop for development of metadata	Fall 2001	2-3 Org. Meetings and help facilitate the Metadata Workshop		
<b>Work that should be addressed this year, but no technical organization team has been established</b>	<b>Timeframe</b>	<b>Level of Effort</b>	<b>Member</b>	<b>Member</b>
Highway / Road Networks Peer Review	Peer Review to be held August 2001	2-4 meetings in conjunction with Policy Advisory Team		
Planned Future Land Use Data Set Peer Review	Peer Review - May 2001	2-4 Org. Meetings (Recommendations)	Richardson	Gelbmann
Watershed District Boundaries	Washington County Pilot (Preliminary start date / January-2001)	2-4 Org. Meetings (Recommendations)	Harper	Connelly



**TO:** Technical Advisory Team

**FROM:** Washington County - Administration  
Jane Harper (651) 430-6011  
The Lawrence Group – Vice President  
Jim Maxwell (612) 341-9274  
MetroGIS Staff Contact  
Theresa Foster (651) 602-1572

**SUBJECT:** School District Boundaries - Data Specifications, Roles and Responsibilities

**DATE:** January 9, 2001  
*(For the January 17<sup>th</sup> Meeting)*

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### **Peer Review Update**

MetroGIS held a peer review forum on November 30<sup>th</sup>, 24 stakeholders from across the seven-county metro area attended, those in attendance were from county GIS/Surveying, county tax auditor departments, and school district departments. Jane Harper (Washington County) and Jim Maxwell (TLG) from the Technical Advisory Team facilitated the peer review.

The purpose of the peer review was to evaluate the Washington County School District Boundary Pilot Project and comment on recommendations for data specifications (i.e. distribution format, attributes, accuracy) for a primary data set and regional data set, and roles and responsibilities for primary and regional custodians. The stakeholders widely concluded that this would be a valuable data set for the counties (primary custodians) to provide and for LMIC on behalf of Children, Families and Learning (regional custodian) to agree to integrate the county data based upon their business needs.

A turnaround document for the peer review workgroup was emailed the week of December 18th; feedback from participants about their comments was taken until January 9, 2001. We will also be posting the turnaround document on the website under Jurisdictional Boundaries (Go to School Districts) at <http://www.metrogis.org/supported/workgroups/workgroup.htm>.

### **Pilot Project**

The pilot project itself is a valuable learning tool to the county in order to establish an internal process of creating, maintaining and updating their data across departments. The Washington County Division of Taxpayer Services compared a certified 1971 school district boundary map to the tax records and identified apparent discrepancies, which are areas where taxes are going to a different district than the one in which the land is geographically located. These apparent discrepancies were classified as apparent clerical errors, apparent parcel subdivision errors, and apparent boundary misinterpretation error. As of November 30<sup>th</sup>, all school districts in Washington County have been mapped. Washington County is currently awaiting feed back on apparent discrepancies from School District personnel.

Washington County will be completing the final draft of the pilot project within the next two months. They will be posting the draft at their website:  
<http://www.co.washington.mn.us/mgmtsrvy/landsrvy.htm> MetroGIS will also post a link to their sight under the supported projects section at:  
<http://www.metrogis.org/supported/workgroups/workgroup.htm> .

**Roles and Responsibilities:**

The roles and responsibilities for the for the school district boundaries are described in Attachment A.

**Data Specifications:**

The data specifications and access constraints for the school district boundaries are described in Attachment B.

**Action:**

Recommend that the MetroGIS Technical Advisory Team accept the general data specifications and regional data set custodian responsibilities as stated in the attached documents.

## Addendum A

### *School District Boundaries – Roles and Responsibilities*

The School District organization members, pilot project members and workgroup have completed its preliminary recommendations for school district boundaries as of January 8, 2001.

#### *A. Primary Custodian*

The pilot study and workgroup recommends that responsibility for the primary data and maintenance remain with each individual county. The historical/current process of creating/updating school district boundary information lies within the jurisdiction of the county board in Minnesota (Minn. Stat. § 123A.45, Minn. Stat. § 123A.46, Minn. Stat. § 123A.48).

#### *B. Primary Custodian Responsibilities*

The pilot study and workgroup members agreed that the responsibilities of the *primary custodians* should be:

1. Make updates to the primary data set as needed when district boundary changes arise.
2. Maintain data in County Coordinates, NAD 83
3. Create and maintain metadata for the data set.
4. Notify the regional custodian when changes have been made.
5. provide access to a copy of the revised data set.
6. Periodically submit map to Department of Children, Family and Learning

#### C. Region Custodian

The pilot study and workgroup members have agreed the Land Management Information Center should be the regional custodian of the school district boundaries data set based upon the following:

1. Currently maintains school district map for business purposes.
2. Continue this practice but change standards of mapping to parcel level in metro area.
3. Provides MetroGIS stakeholders the opportunity to align several data sets: parcel - census - road centerline - school districts – MCD and county boundaries.

#### *D. Regional Custodian Responsibilities*

The pilot study and workgroup members have agreed that the responsibilities of the *regional custodian* should include:

1. Compile a regional data set coverage of school district boundaries from the primary sources.
2. Contact primary custodian annually for an update.
3. Compile metadata from all sources into one set of regional metadata for the data set.
4. Regional school district boundary data set distributed in UTM coordinates, NAD 83
5. Provide for data archive, backup, retrieval, and disaster recovery.
6. Provide for distribution of the data set.

## Addendum B

### *School District Boundaries – Data Specifications*

The School District organization members, pilot project members and workgroup have completed preliminary recommendations for school district boundaries as of January 8, 2001.

#### **Existing Data sets**

At this time, all seven metro counties currently have and maintain school district boundary data sets. Each of these data sets is of various base scale, horizontal positional accuracy, coordinate system and datum. A regional school district boundary data set based upon tax description/parcel information does not currently exist.

#### *B. Primary Data Specifications*

1. Establish official source of information.
2. Maintain map accuracy to parcel level data.
3. Maintain scale to parcel level data.
4. Provide data in shapefile (.shp) format.
5. Maintain current parcel level accuracy school district boundary data set.
6. Maintain and provide the following school district boundary attributes for each polygon boundary:

School District Name (Stillwater Area)  
School District Number - unique identifier (0834)  
County Name (Washington)  
County FIPS number (163)

#### *C. Regional Data Specifications*

1. Provide data in shapefile (.shp) format.
2. Stitch together primary data sets to one regional data set.
3. Maintain and provide the following school district boundary attributes for each polygon boundary:

School District Name (Stillwater Area)  
School District Number - unique identifier (0834)  
County Name (Washington)  
County FIPS number (163)

#### *D. Data Access*

1. No license required.
2. No charge to MetroGIS participants.
3. Individual county requests, notify Primary Custodians.
4. Regional data requests, notify Regional Custodian.

**TO:** MetroGIS Technical Advisory Team

**FROM:** Metropolitan Council Staff  
Rick Gelbmann (651) 602-1371  
Alison Slaats (651) 602-1561  
MetroGIS Staff  
Theresa Foster (651) 602-1572

**SUBJECT:** Enhanced DataFinder Demonstration/Evaluation

**DATE:** January 9, 2001  
*(For the January 17<sup>th</sup> Meeting)*

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### INTRODUCTION

The enhanced DataFinder site will be fully functional by the end of January 2001. Metropolitan Council staff, Gelbmann and Slaats will be on hand to demonstrate the enhancements to the site. We will be taking your comments and feedback at that time, but would also like to extend an invitation for all Technical Advisory Team members to use the feedback form on the Web Site at <http://www.datafinder.org/feedback.asp>. We will be notifying MetroGIS stakeholders by email and also posting an information notice at the MN GIS/LIS Consortium website.

### BACKGROUND

The MetroGIS Data Finder Internet site was created before current Minnesota Clearinghouse existed. Significant improvements to the clearinghouse over the years and the widespread use of the National Spatial Data Infrastructure (NSDI) Clearinghouse have made the Minnesota Clearinghouse a very attractive model to follow. Changes in DataFinder more closely align with this Clearinghouse model and will allow elimination of some redundancies between the two and streamline procedures to maintain current metadata documentation.

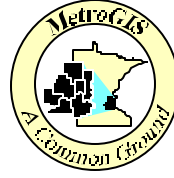
### PAST ACTIONS

COORDINATING COMMITTEE: On June 18<sup>th</sup>, 2000, the Coordinating Committee unanimously recommended that the Coordinating Committee authorize the proposed revisions to the Data Finder design.

TECHNICAL ADVISORY TEAM: On June 6<sup>th</sup>, 2000, the Technical Advisory Team unanimously recommended that the Coordinating Committee authorize the proposed revisions to the Data Finder design.

### NEXT STEPS

- 1) Feedback Forms: Collect information for a period of 30 days.
- 2) Evaluation Team (Wencl, Maeder, Gelbmann) and MetroGIS staff will compile feedback information and make changes based upon provided information. Only data issues not consistent with the approved site will be brought back to the Technical Advisory Team for further direction.



# MetroGIS

## Agenda Item 5d

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*Cooperation, Coordination, Sharing Geographic Data*

**TO:** MetroGIS Technical Advisory Team

**FROM:** Theresa Foster (MetroGIS Staff)  
Phone: (651)602-1572  
Email: [theresa.foster@metc.state.mn.us](mailto:theresa.foster@metc.state.mn.us)

INTERGRAPH - GeoMedia  
Sherry Coatney: (612) 545-8975 email: skcoatne@ingr.com  
Damon Dougherty: (952) 903-5355 email: ddougher@ingr.com

**SUBJECT:** Data Distribution Demonstration - GeoMedia

**DATE:** January 9, 2001  
(For the January 17<sup>th</sup> Meeting)

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### **Background**

MetroGIS will be looking at different data distribution mechanism for larger data sets based upon future needs of MetroGIS users. We are in the early stages of the MetroGIS investigative process to look at potential options. The next few team meetings will have demonstrations about different preferred data distribution mechanisms (MapServer, ArcIMS, Intergraph etc.). A request for demonstrations (RFD) was sent out on October 9, 2000, to look at other potential distribution mechanisms. At the January Technical Advisory Team meeting Intergraph will host the meeting.

### **Demonstration Goals**

The goal for these demonstrations is to effectively communicate/display data distribution mechanisms for larger data sets. Demonstrations will focus on the following capabilities:

- To demonstrate the capability of accessing and distributing large geographic information data sets (each demonstrator will have access to the Regional Parcel Pilot Data Set for demonstration only)
- To demonstrate the architecture of their system
- To demonstrate the technical tools of their system
- To demonstrate the benefits of using their system
- To provide information about data security and access issues
- To demonstrate any data standards that are in place and required to support each system

### **Demonstration INTERGRAPH - GeoMedia**

Sherry Coatney and Damon Dougherty will demonstrate. Handouts will be provided at the meeting. You will be asked to provide staff with feedback and complete an evaluation form.



# **MetroGIS**

## **Agenda Item 6a**

*Cooperation, Coordination, Sharing Geographic Data*

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**TO:** MetroGIS Technical Advisory Team

**FROM:** MetroGIS Staff  
Contact: Theresa Foster (651-602-1572)

**SUBJECT:** Business Information Needs Update

**DATE:** January 10, 2001  
(For the Jan 17<sup>th</sup> meeting)

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### **Regional Parcel Dataset Project Updates**

#### **Public Sector Pilot:**

Agreements were executed by each of the counties in October 2000 authorizing the Metropolitan Council to distribute the regional parcel dataset to government interests. An invitation to participate was mailed on November 12 to over 160 individuals, representing about 100 organizations, who are the contact persons for a TLG Street Centerline dataset license or who are on the MetroGIS mailing list and affiliated with a government unit that serves the metro area. As of January 8, 2001, 20 copies of the dataset had been distributed. Seventy-five copies of the CD were created. An article explaining the pilot project will also appear in the next GIS/LIS newsletter. A follow-up invitation is scheduled to be mailed January 12. Evaluation forms are due on February 16. The Peer Review Forum is scheduled for April 2001.

#### **Private Sector Access Policy and Distribution Agreement:**

On October 18, 2000, the Policy Board recommended a policy calling for each of the seven respective counties boards to adopt a non-government access fee policy of between \$0.01 and \$0.05/parcel, effective January 1. The counties were also empowered to offer more than the minimum data elements (parcel polygons, PIN and property address) for the recommended fee.

Trudy Richter of Richardson and Richter drafted, with the assistance of the Council's and County legal staff, a multi-party agreement to authorize the Council to assemble a regional parcel dataset and distribute it to non-government entities. On December 18<sup>th</sup>, the final version was sent to each county for approval. Each county board should have acted on the agreement by mid-January. Once each county executes the agreement, the Council's GIS staff will assemble a regional parcel dataset for distribution to non-government. The assemble process for version 1 is not expected to take more than a couple of weeks.

#### **Census Geography**

The consultant is in the final stages of error checking the 1990 Census Block boundaries for each of the seven counties, and staff is in the process of fine-tuning the metadata file. Release of the dataset is expected by mid-January.

### **Planned Future Land Use**

The Metropolitan Council is nearly finished with the first phase of a pilot project, conducted on behalf of MetroGIS, to test the regional future land use coding scheme prototyped by the North Metro I35W Corridor Coalition. The prototype regional coding scheme was created by a MetroGIS work group of community development professionals who represented urban core, suburban, rural, and freestanding communities. The pilot project began last August and involves building a regional dataset comprised of the official future land use plan designations for each of the 190 municipalities in the seven county area and then “mapping” or aggregating these individual designations to the regional coding scheme derived from the I-35W prototype. Where available, digital data produced by the individual communities was used. Council staff are documenting issues with the prototype regional coding scheme as they arise during the pilot project.

From January through March, officials with each of the 190 communities will be asked to comment on the accuracy of the Council’s coding of their individual community future land use plans and on the “mapping” of their individual codes to the regional scheme. The comment/feedback process will be conducted via a questionnaire that is Internet-based. The responses will be automatically written to a database for analysis by Council and MetroGIS officials. A Peer Review Forum is scheduled for May 2001 to discuss enhancements and changes to the prototype regional coding scheme.

The regional scheme and resulting regional dataset is intended to provide a means to compare the official individual land use designations adopted by each community. It is in no way intended to replace locally adopted designations.