

## GAA-SC Local Government GIS Data Policy Survey



### Project Committee:

Tim DeTroye, SC GIS Coordinator

Bryan Townsend, York County GIS Manager

Crystine Rathburn, Florence County GIS Manager

Connie Banegas, Charleston Water System GIS Manager

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## Who is Presenting Today? Session Objectives

- ▶ Bryan – introduce topics, how we got here
- ▶ Crys – survey results, exec summary review
- ▶ Connie – components of a data policy
- ▶ Mark – guided discussion, your feedback
  - How should we continue?
  - Is there a need for a policy template 'tool'
    - ▶ Working document for your org to build upon
    - ▶ NOT trying to get everyone to adopt SAME policy
    - ▶ We have heard many suggest this would be useful

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## Session Objectives

- ▶ We need your input today!
  - Listen and consider offering thoughts at end

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## Projects Steps/Timeline

- ▶ GAA Spring meeting (2008) project formed
- ▶ August: draft survey questions
- ▶ October: GAA Membership surveyed to work out any issues and have sample data, GAA Fall Summit Project overview presented
- ▶ November (17): Primary GIS contacts at County and City were asked to complete the survey by the end of December
- ▶ February (2009): Results of our survey presented at SCARC, downloadable from [gaa-sc.org](http://gaa-sc.org)

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## Develop Survey Device

- Looked at various survey methods
  - Survey Monkey
  - Others
- It made sense to use the existing tools in the GIS Inventory (RAMONA)

[sc.gisinventory.net](http://sc.gisinventory.net)



## GIS Portals Organize Our Knowledge

- GIS Local Government Data Inventory
  - GIS Inventory 2.0 – (Formally known as RAMONA)
  - Data Distribution Policies (State Questions)
- Why?
  - Picture who has what data & distribution policies
  - Organize in event of disaster
  - Define who we are as GIS Data Stewards and professionals locally and across the nation
- How does this get completed?
  - You start by contacting your neighbor

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## We are used to finding info quick..

- ▶ Will there be a 'Metadata' specific search through Google?
- ▶ How will we be able to discover geospatial metadata easier?
- ▶ Which tool or combination of tools will we use to catalog and discover resources?
- ▶ Google? GeoPortal Toolkit? **RAMONA?** MySCMap?



### Why RAMONA\*, Why Now?

- One national geospatial inventory tool
  - Existing & Planned Data, Policies, Systems, and People
- Dynamic – continuously updated by data producers (you and me)
- User Friendly
- Generates a rolodex of data creators and their Data
- Structures first "building block" of metadata
- A Tool for Use During Emergencies
- A way to minimize the need to respond to Pesky data surveys
  - Used in planning for statewide projects and plans, including cost-share opportunities

\*Random Access Metadata Tool for Online National Assessments

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**GIS INVENTORY** POWERED BY RAMONA  
VISIT: <http://sc.gisInventory.net>

## Status Maps (opening page of website)...

- ▶ No Account Needed to make inquiries for data and contacts
- ▶ (This screenshot taken after RAMONA 2.0 upgrade on 10/14/08). RAMONA now is called GIS Inventory 2.0

**GIS INVENTORY** POWERED BY RAMONA  
VISIT: <http://sc.gisInventory.net>

1. What section of local government do you represent?  
 Municipality  
 County  
 Sustaining member of GAA-SC

2. What is your jurisdiction size, in square miles?

3. Are there GIS users on who stores are free GIS are always any available?  
 Some free some for sale  
 All for sale at the  
 All are free

4. If none are free, are they framework layers?  
 No  
 Yes

5. Framework Data  
 Orthophotography  
 Aerial imagery  
 Insurance (city, county, state)  
 Hydrography  
 Elevation numbers (DEM)  
 Satellite Control

6. Approx. \$600,000 per year in geographic information system layers available for this jurisdiction.  
 1 square mile (2,600 x 2,600 feet)  
 2 square miles (5,200 x 5,200 feet)  
 4 square miles (10,400 x 10,400 feet)  
 Same as an orthophotography file  
 Another geographic unit (city, district, etc.)  
 Other (please complete question #7)  
 Other/CS issue

- 31 Data Policy Q's
- Future questions possible

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## Products?

- ▶ NOneMap.com, catalog of data + GIS People
- ▶ Reports: (39 page from NC)
  - City & County, State Agency Primary Contacts
  - Graphical tour of inventory responses
  - Number of data sets produced by gov. agency
    - ▶ City, County, State
- ▶ Yearly Snapshots of Inventory, Trends

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## Determine Survey Questions

- we didn't want to review all the individual policies, too much legalese
- we focused on survey questions that would elicit general pieces that we felt were important
  - Policy / license agreement for data sales
  - Distribution Policies
  - Cost to purchase data (if any)
  - Volume and revenue from data sales (if any)
  - Cross-agency sharing
  - Partnerships in private sector for revenue?
  - GIS Data via Internet satisfy your jurisdiction's interpretation of FOIA?

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## GIS Data Policy Survey Results

Survey advertised and collected from  
October 2008 – January 2009

- 46 Counties Contacted
- 18 Responses Received
- 19 Municipalities Contacted
- 2 Municipal Responses Received

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## GIS Data Policy Survey Results

Participating Counties & Municipalities



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## GIS Data Policy Survey Results

Geography area in sq. mi. for respondents:

- Largest: Horry County 1130 sq mi
- Smallest: City of Greenville 28 sq mi
- Average size: 630 sq mi
- Total response area: 12,600 sq mi

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## GIS Data Policy Survey Results

Data Policy

- The majority have some form of formal written data policy but are interested in revising in the future.
- We were looking for a starting point
  - Key components?
  - Distribution, restrictions and assistance stand-out.

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## GIS Data Policy Survey Results

### Data - Restrictions

- Eleven require signed license agreements for government to government sharing.
- Nearly all restrict data use but only one restricts time period
- Most allow users to utilize data as part of a larger map with additional supporting materials

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## GIS Data Policy Survey Results

### Data - Assistance

- 11 reported state funding assistance
- Seven reported federal funding assistance
- Those receiving assistance from State or Federal sources are generally required to share with source

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## GIS Data Policy Survey Results

### Data Policy - Distribution

- All but one will allow or consider partnerships with private sector to generate money
- Eight indicated that GIS data on the internet satisfies FOIA as interpreted by their jurisdiction

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## GIS Data Policy Survey Results

### Data Sales

Out of 20 responses – 14 sell data

12 sell parcels

14 sell road centerlines

11 sell orthophotography

Some did not have a response and some simply don't have the data or are not the data stewards.

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## GIS Data Policy Survey Results

### Data Sales - Parcels

Parcel Data Sold? 12 yes  
Avg. price Parcels with Tax Data = \$750  
Highest Price: \$2,152  
Lowest Price \$300

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## GIS Data Policy Survey Results

### Data Sales – Street Centerlines

Street Centerline Data Sold? 14 yes  
Avg. price of Street Centerlines = \$500  
Highest Price: \$1,000  
Lowest Price \$75

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## GIS Data Policy Survey Results

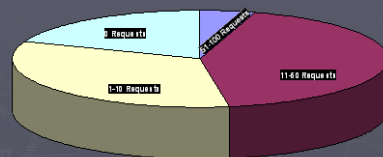
### Data Sales - Orthos

Orthophotography Sold? 11 yes  
Avg. price of Orthophotography = \$1500  
Highest Price: \$40,000 (entire County)  
Lowest Price \$100 (per sq mi tile)

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## GIS Data Policy Survey Results

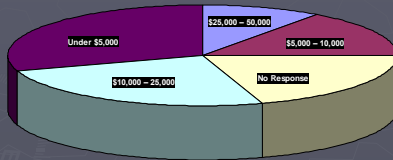
### Data Sales – How often?



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## GIS Data Policy Survey Results

### Data Sales – Sales Revenue



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## GIS Data Policy Survey Results

### GIS Data - Sales Revenue

- Nearly all reported revenue from GIS data sales is distributed to general fund
- Two reported that the sales revenue is returned to the department to support GIS activities (Beaufort and City of Greenville)

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## GIS Data Policy Survey Results

### GIS Data – Cost and Revenue

- One reported offering non-framework layers at no charge (ex. Traffic Counts, etc.)
- 50/50 split between organization that will only sell data and those that will sell or provide at no charge

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## GIS Data Policy Survey Results

### Data Sales – General Practices

- Two reported savings to customers for bundling purchases of GIS data layers
- Four have historical data available for sale
- Five Reported that sensitive data will be shared with PUPS OR EMD in the interest of public safety
- All but one allows government to government sharing of GIS Data

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## Now What?

- February 2009: GIS Inventory summary available on the Web via [GAA-SC.org](http://GAA-SC.org)
- Action items
  - many responded with interest in our results. We realized that our survey captured a few facts about data sharing policies, but didn't dissect the components of data sharing policy to help local governments form their own.
    - Develop policy template
    - Standardize Distribution mechanism
    - Continue to collect data policy survey input
    - Summarize survey results again in July 2009

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## *Developing a Geospatial Data Sharing Policy: components and considerations*

*Lynda Wayne,  
FGDC, GeoMaxim*

- Provide national perspective to data sharing policies
- Help to guide us to our next phase of this project
- Simple stuff, we make it overly complex!
- Unbiased perspective to base policy on

Questions/Comments?  
Discussion?