

Spatial Data Availability and Distribution Issues in Missouri
Local Government Committee of the Missouri GIS Advisory Council
Draft Final Report
June 2013

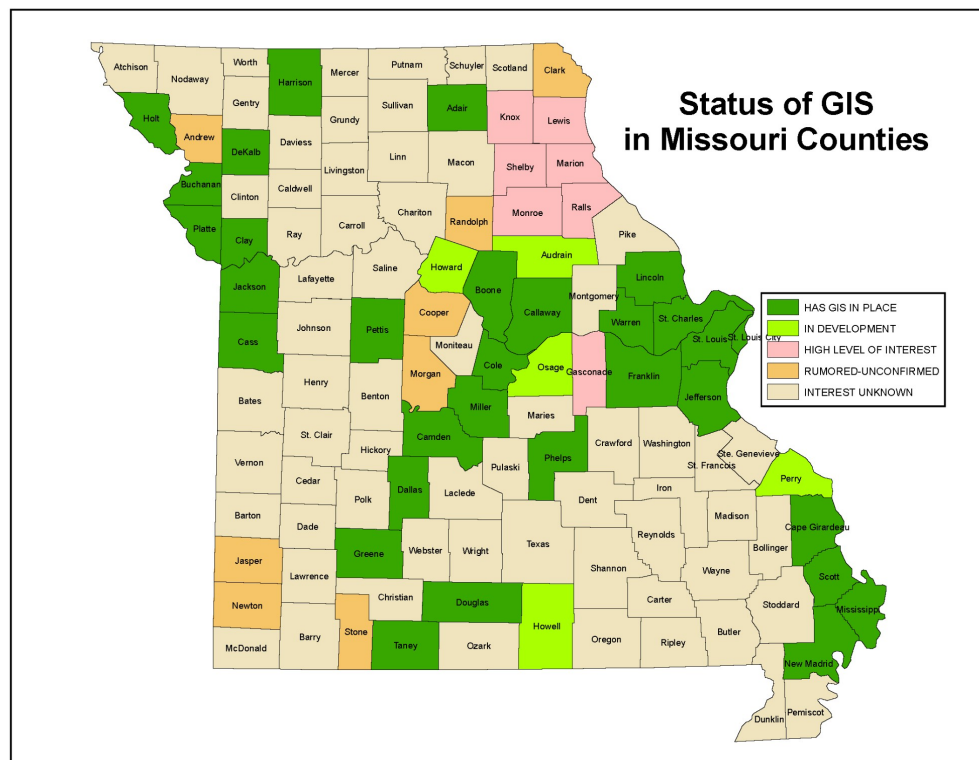
SUMMARY

The Missouri GIS Council Local Government Committee, as part of its task to organize and lead a discussion of data sharing and distribution issues, is working with Missouri Geospatial Extension surveying county-level local governments that use GIS and digital mapping technologies about their data practices. This report describes and summarizes the purpose, methods, and results of the survey..

PURPOSE

The goals of the survey were to:

- Provide baseline data for understanding the status of GIS use at the County level in Missouri.
- Update a circa 2006 map of the status of GIS in Missouri (below).
- Provide quantitative data about data distribution practices.
- Collect contact information for those willing to share with SEMA mapping personnel.
- Collect contact information for those willing to be included in a “Who’s Who” of GIS professionals in the state, a related project of Missouri Geospatial Extension.



Source: Missouri GIS Advisory Committee, circa 2006.

METHOD

To meet these goals, the work group decided to call each county in Missouri and try to find someone that could speak about the status of GIS in the state. The importance of this approach, rather than a pure email survey, is that we do not know who all of the GIS personnel are in the state or their contact information. Calling, asking around, and being transferred multiple times was expected, and was designed to put us in contact with the people that we wanted to survey.

Initial questions and format were reviewed by the Missouri GIS Advisory Council in April 2012. Follow up emails to more than 16 counties based on initial interest in an email version of the survey. An initial report was provided to the Council in June 2012. Follow up calls and an email version of the survey were sent to individuals who requested it and others not yet contacted but with known email addresses in October and November 2012.

These methods met the goal of establishing a 2012 foundation of base knowledge at the county level. Future versions of the survey could include cities, municipalities, and other regional government structures, or the presence of state or federal GIS operations within the county.

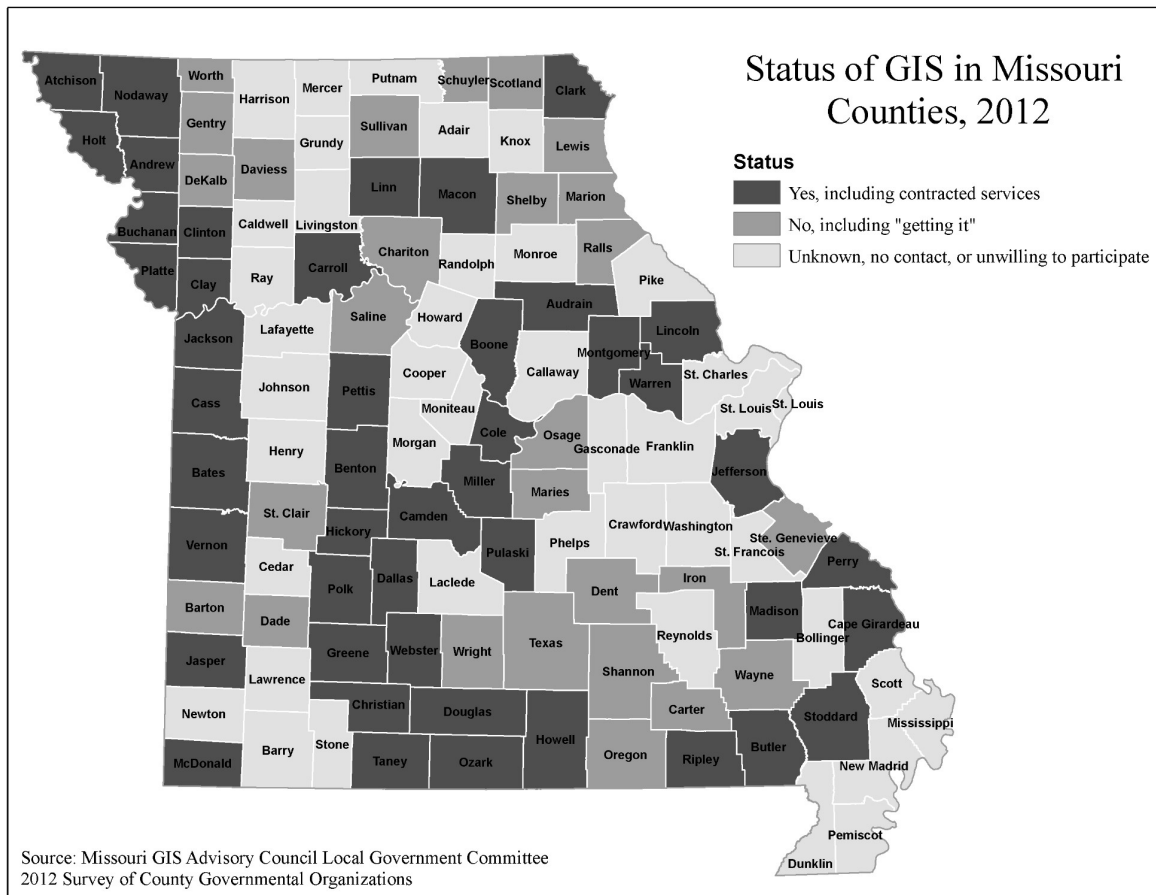
CONTACTS



Role in GIS by Participation in Survey:

	TOTAL	Yes	No	Unknown
Yes	40	39	1	0
Not involved in GIS	31	4	27	0
Not willing to participate	13	8	1	4
Willing to participate by email	7	x	x	x
County with no contact reached	39	x	x	39
TOTAL	130	51	29	44

RESULTS



Of Respondents:

How is GIS Organized?	Response Percent
Centrally managed	87.5%
Split across several departments	10%
Not applicable	2.5%

Coordination of GIS Development	Response Percent
Coordinated	81.6%
Multiple Initiatives	18.4%

Are Multiple Departments or Offices using GIS?	Response Percent
Yes	65%
No	2.5%
Unsure or Unknown	32.5

How are Map Layers Being Used?	Response Percent
Do you have map layers that support public safety, such as addresses or road centerlines?	89.7%
Do you have map layers that support development or permitting, such as municipal boundaries, zoning and school districts?	74.4%
Do you have map layers that support asset management, such as signs, poles, culverts, pipes and bridges?	35.9%
Do you have map layers that support tax parcel mapping?	89.7%
Do you fly your own aerial imagery, such as oblique or ortho?	39.5%

How are GIS and Map Data Available?	Response Percent
Hard paper copy	69.2%
Viewable on static maps on a website (PDF or image file)	35.9%
Viewable in an interactive online map	48.7%
Data is downloadable	12.8%
Digital data is not available online but is distributed upon request	56.4%

Data Requests	Anyone/Everyone (overall policy no matter the type of entity requesting)
Yes, Free	5.1%
Yes, for a cost	76.9%
No	5.1%
Do not know	2.5%
Decline to answer	10.3%

Do you require a signed use or license agreement (EULA) when you distribute your data?	Response Percent
Yes	61.5%
No	28.2%
Decline to answer	10.3%

Do you provide GIS or mapping support for your entity for emergency response?	Response Percent
Yes	84.6%
No	15.4%

