

County GIS - Help Wanted, 2003

Splitting Parcels. (Antrim)
Need a short paper describing benefits of GIS to various departments in terms of dollars, better info, time savings, etc. (Bay)
Getting public health data and analysis products from the state! (Branch)
Making the right choices, not duplicating efforts or having to redo. (Chippewa)
Planning an aerial fly-over. (Clinton)
Funding for GIS program. (Grand Traverse)
Funding for GIS program. (Lapeer)
Working with the road commission. (Livingston)
I struggle with the problem of people letting me know what information they need to make a decision. I have all this information out there and they say it looks nice, but no one is using it to make decisions. (Newaygo)
Money !!! (Oceana)
Finding funding with no strings attached. (Otsego)
How do I best use the GIS capabilities to help all departments/public? (Roscommon)
ArcIMS, ArcSDE, Geodatabase. (Saginaw)
Dealing with everything!! How are others doing?? (Sanilac)
Educating the old school. (St. Clair)

How Can the State Help County GIS, 2003

Co-opting digital aerials. (Barry)
Providing a paper or demo showing how their data files, enhanced by the local units, can benefit both parties. (Bay)
Providing public health data and analysis; provide funding for parcel data in trade for the data; coordinate ortho data buys. (Branch)
It would be nice to have uniformity throughout the state, the state could provide that guidance, and possibly some funding. (Chippewa)
Aerial flyover - growth / sprawl / preserve studies. (Clinton)
We could use money and/or possibly equipment to have our section corners GPS'd when surveyors are doing remonumentation. Establishing exact corners would really help with accuracy. They could speed up the process by a hundred years or so, too. (Emmet)
Funding. (Grand Traverse, Muskegon, Antrim)
Funding! Making GIS a county mandated service - It is the year 2003, you know! (Lapeer)
Working with the road commission (Act 51); mandated initiatives for GIS in county and local units of government. (Livingston)
Realizing the true benefits of GIS and supporting GIS through funding, or at least supporting GIS by not cutting its funding. If the State would come forward and truly back and support GIS, then many counties would likely follow suit. (Marquette)
We need to coordinate flyovers. (Newaygo)
Aerial photography, funding (Oceana)
\$\$\$\$ Investment. (Otsego)
Coordinating training and certification program so all counties are operating on same principals. (Roscommon)
Giving some financial support ear-marked for GIS. (Saginaw)
Grants, funding, education, training, sharing info. (Sanilac)
Leadership / funding. (St. Clair)
They are doing enough (Van Buren)

MiCAMP Presents

The 2003 Michigan County GIS Survey

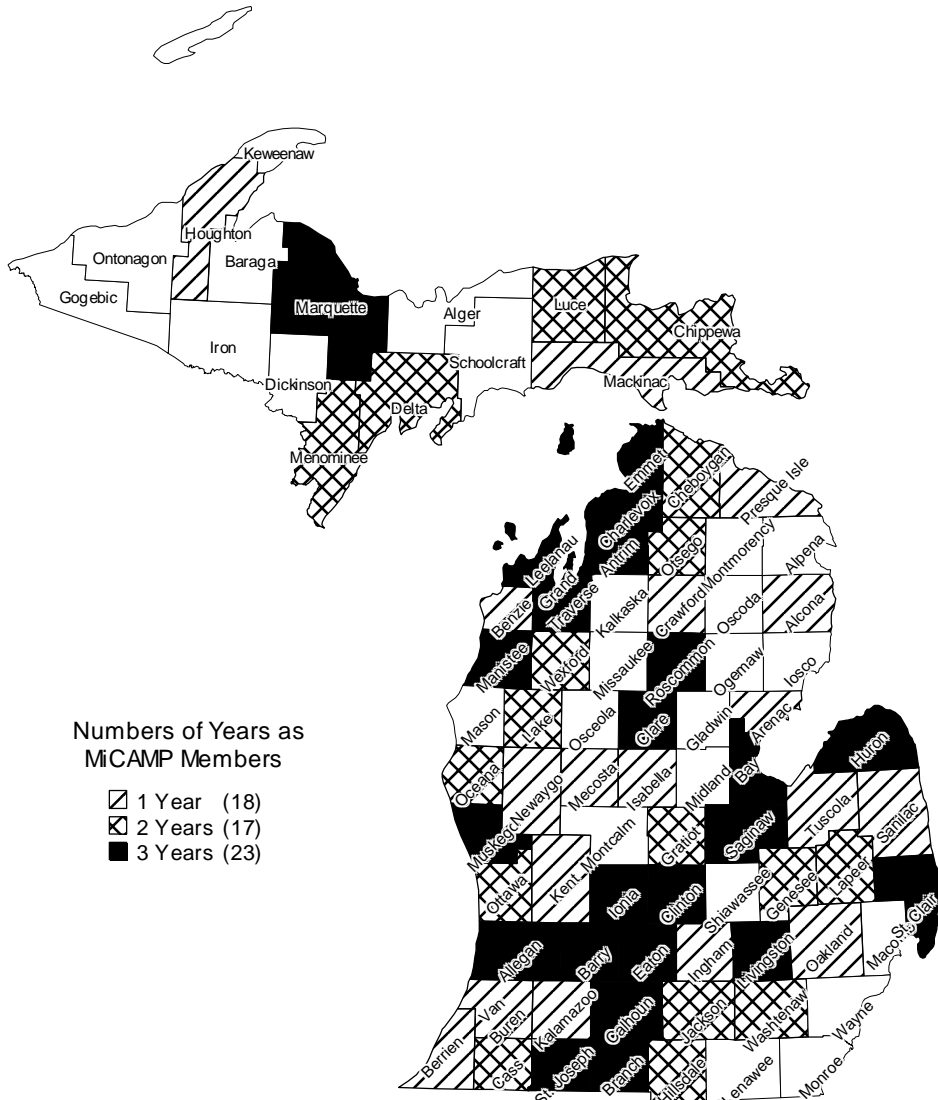
Thanks to the following 42 counties for participating in this year's survey:

Allegan	Kalkaska
Antrim	Lapeer
Arenac	Leelanau
Barry	Livingston
Bay	Mackinac
Benzie	Macomb
Branch	Manistee
Calhoun	Marquette
Cass	Mason
Cheboygan	Midland
Chippewa	Muskegon
Clare	Newaygo
Clinton	Oceana
Eaton	Ogemaw
Emmet	Otsego
Grand Traverse	Roscommon
Gratiot	Saginaw
Houghton	Sanilac
Huron	St. Clair
Ionia	St. Joseph
Iron	Van Buren

This survey was compiled by Valdis Kalnins and Jeroen Wagendorp on behalf of MiCAMP. These results are based on the responses to a survey that was solicited in May of 2003 via e-mail to a key GIS contact person in each county. We apologize to any county that did not receive a survey and encourage more counties to respond next year. Comments regarding the survey can be forwarded to vkalnins@allegancounty.org or jwagendorp@allegancounty.org.

County GIS - Biggest Issues and Challenges, 2003

MiCAMP County Membership 2001 - 2003



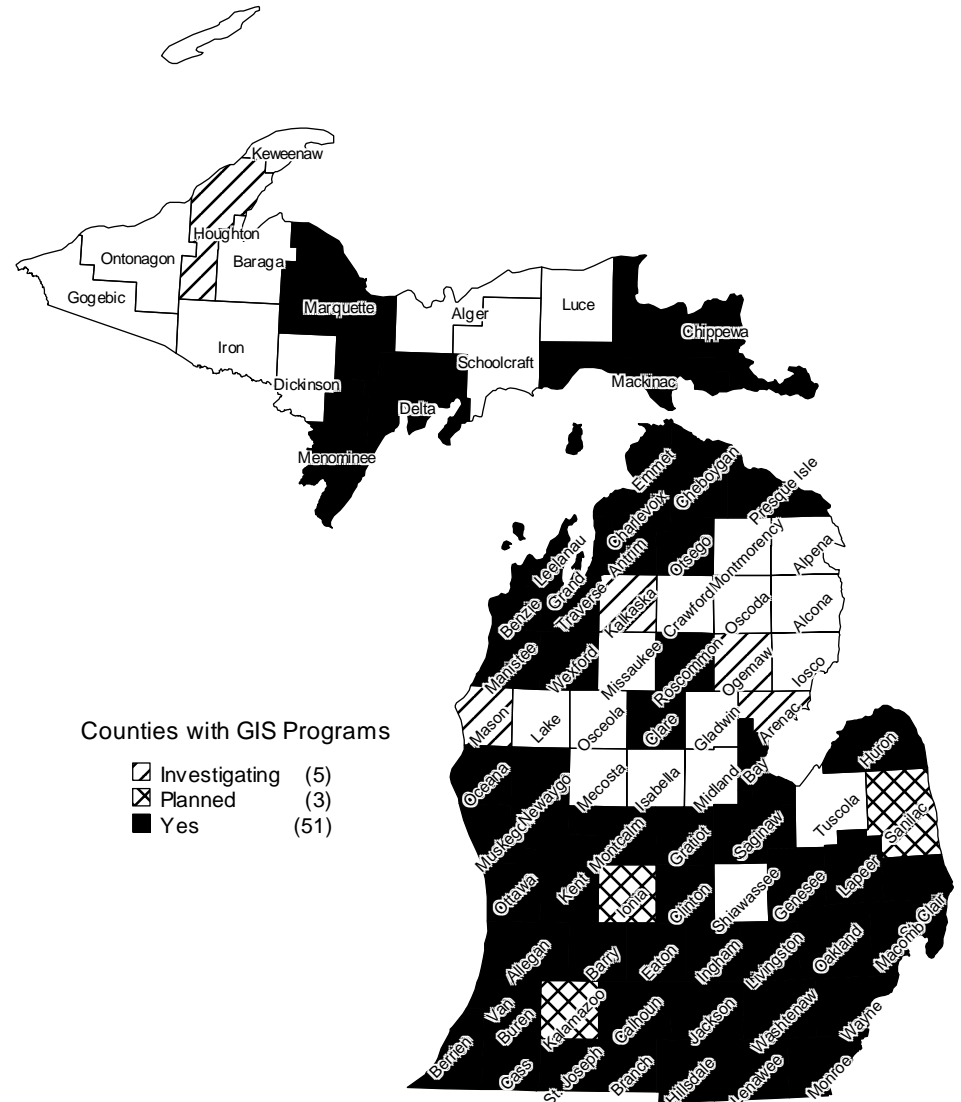
- Finding a way to hire additional GIS staff needed to meet growing demand for services. (Allegan)
- Time availability. (Antrim)
- Hardware/Software issues. (Barry)
- Awareness and time to show the possibilities of GIS given the minimal time allocation. (Bay)
- Training current staff. (Benzie)
- Migrating GIS program from 12 partners to primarily county with 11 members; make it part of the business cycle. (Branch)
- Staffing and publishing our data at a reasonable cost. (Cass)
- Money and staff. (Cheboygan)
- Time to explore all of the possibilities of GIS and update our system. (Chippewa)
- Getting Manalink so I can use maps with a database. (Clare)
- Personnel - due to funding. (Clinton)
- Putting some form of mapping on the website. (Emmet)
- Funding (Grand Traverse)
- State revenue sharing cuts have forced our county to look at eliminating non-mandated services such as GIS (Lapeer)
- Funding allocation; structural change in funding; data dissemination; need for IMS intranet and eventually internet. (Livingston)
- Accuracy of our state plane coordinate data. (Mackinac)
- Budget cuts are the biggest concern currently. There is a chance that there will be no more money for GIS in the upcoming years. Additional concerns are: the expense of various GIS products and services (i.e. digital orthophotography), the lack of a centralized GIS department. (Marquette)
- Getting past the political barriers and getting a commitment from departments and administration to truly back GIS for development. (Muskegon)
- Getting our parcel lines corrected with GPS section corners. (Newaygo)
- Get with local units to correct gaps and overlaps in property descriptions. (Newaygo)
- Getting people to use GIS information has been a problem. We are attempting to customize ArcIMS to allow them to automatically print labels, change their zoning codes, etc. (Newaygo)
- Dealing with the uninformed and uninterested. (Oceana)
- Getting support for my GIS program from my county. (Otsego)
- Understanding full uses of GIS in county environment and getting extra layers completed with limited personnel and time resources. (Roscommon)
- Keeping GIS program alive. (Saginaw)
- Money for staff, getting the program going and figuring out how to create a parcel layer. (Sanilac)
- Funding (St. Clair)
- Convincing administration to put maps and tax roll info on web site that is under construction. We have all of the info ready to go, but are meeting lack of interest by administration. Lots of requests are coming in from the public. (St. Joseph)
- Funding and staffing. (Van Buren)

2003 GIS Salary Survey conducted by St. Clair County

Provided courtesy of Bill Kauffman, Planner III, St. Clair County

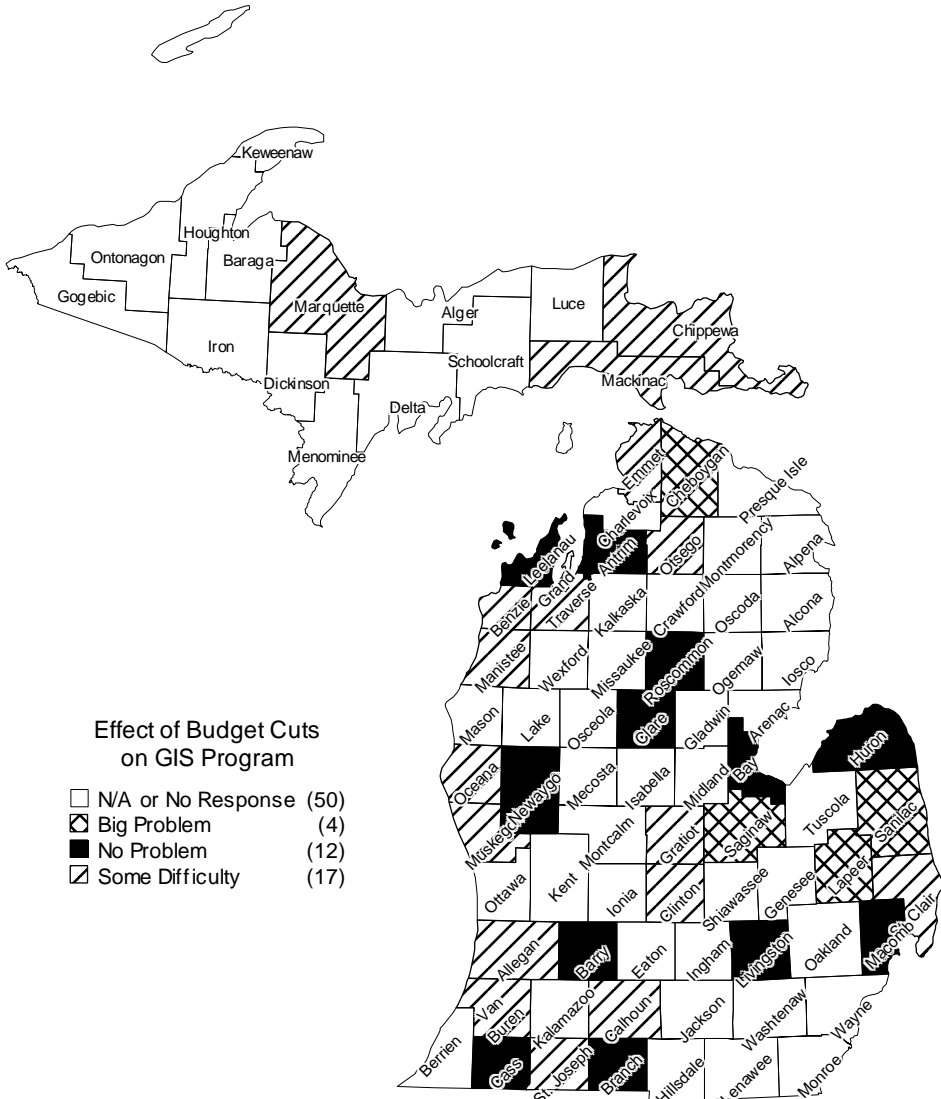
County	Position Title	Host Department	Salary Range
Allegan (1)	GIS Director	GIS Department	\$49,380 - \$60,216
	GIS Specialist/Programmer		\$34,695 - \$42,308
	GIS Technician	Equalization	\$28,350 - \$34,569
Bay	GIS Coordinator	GIS Department	\$41,000
	GIS Technician		\$10/hr
Berrien	Land Description Coordinator	Planning	\$33,900 - \$42,900
	GIS Specialist		\$30,826 - \$39,000
	Technician		\$23,159 - \$29,300
Calhoun (2)	GIS Coordinator	GIS Department	\$30,660 - 38,400
Clinton	GIS Coordinator	MIS Department	\$42,000
Genesee	GIS Specialist	Equalization	\$50,422 - \$57,627
	Property Description Technician		\$32,166 - \$50,357
	GIS/Mapping		\$28,903 - \$45,878
Jackson	GIS Technician	IT Department	\$31,000 - \$38,000
	Map Technician	Equalization	\$31,000 - \$38,000
Jackson GIS Authority (3)	GIS Coordinator	GIS Department	\$46,800 - \$50,000
	GIS Technician		\$33,800
Kalamazoo	No Program Established		
Lapeer (4)	Map Technician	Equalization	\$25,688 - \$32,095
Livingston	GIS Manager	IT Department	\$49,752 - \$60,185
	GIS Application Developer		\$49,752 - \$60,185
	GIS Technician		\$41,564 - \$50,230
Macomb	Project Mgr GIS & Graphic Svcs	Planning	\$75,537
	Senior Planner GIS		\$59,002
	Data Technician		\$56,714
	Graphic Technicians		\$41,607
Monroe	GIS Specialist	Planning	\$26,929 - \$33,657
Muskegon	GIS Technician	Equalization	\$26,603 - \$38,126
Ottawa	GIS Coordinator	GIS Department	\$49,946 - \$64,635
	GIS Analyst		\$41,561 - \$56,528
	GIS Technician		\$31,549 - \$40,829
Oakland	Chief Land Mgmt Technologies	IT Department	\$71,293 - \$92,751
	GIS User Support Specialist	IT Department	\$44,314 - \$61,032
	GIS/CAD Technicians	County Departments	\$34,816 - \$54,775
	GIS Analyst	Planning	\$37,916 - \$42,593
St. Clair	GIS - CAD Application Technician	Equalization	\$35,010 - \$40,845
	GIS Specialist	Planning	\$31,967 - \$36,146
	GIS Programmer/Analyst	GIS Department	\$45,000 - \$55,000
Washtenaw	Property Description Specialist		\$28,000
	GIS Coordinator	Planning	\$49,000 - \$65,000
	GIS Technician I (Technician)		\$36,855
	GIS Technician II (Analyst)		
	GIS Technician III (Specialist)		\$56,297

Status of County GIS Programs 2003

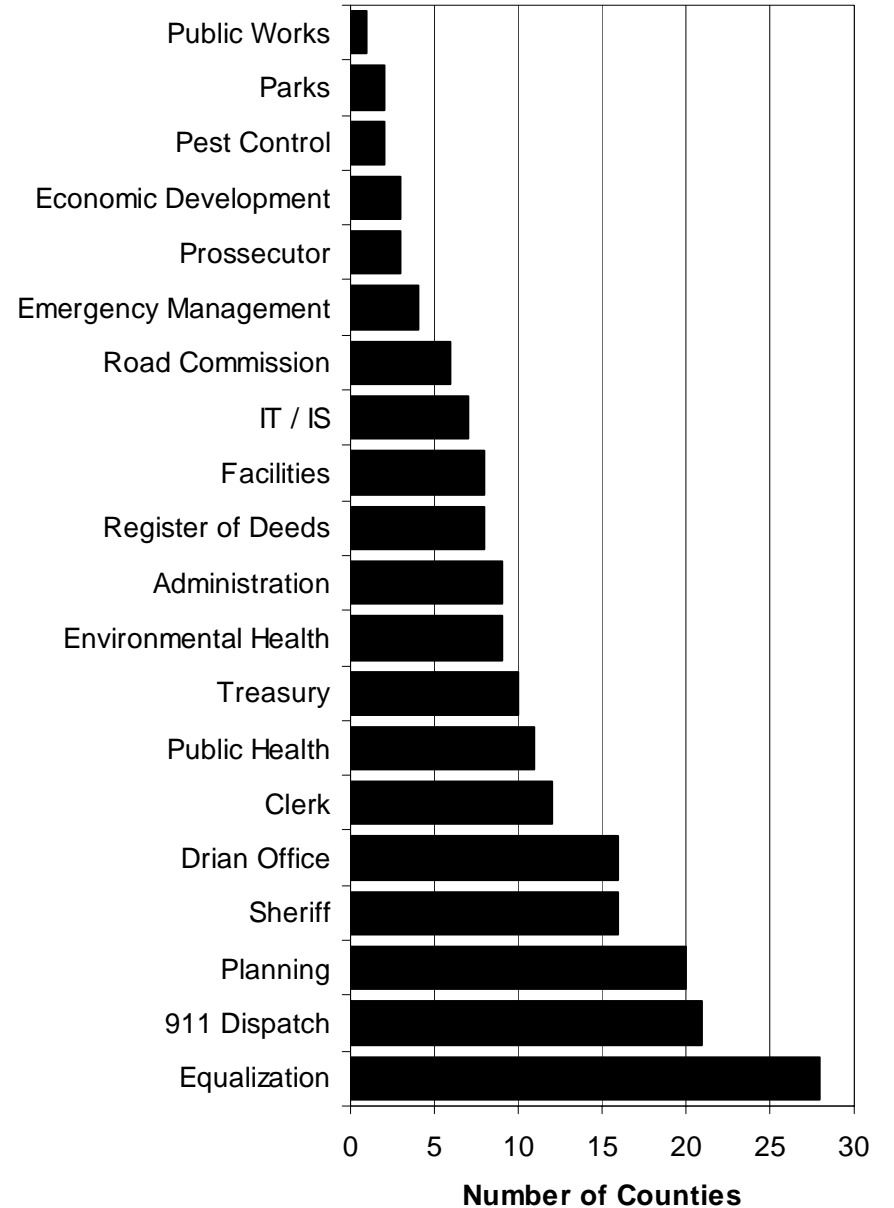


(1) Figures from 1999 Salary Survey; (2) Hourly rates with six steps from \$14.74/hr to \$18.46/hr; (3) Multi-jurisdictional venture creating GIS Authority funded through variety of public sector agencies including the County.; (4) Hourly rates with four steps from \$12.35/hr to \$15.43/hr

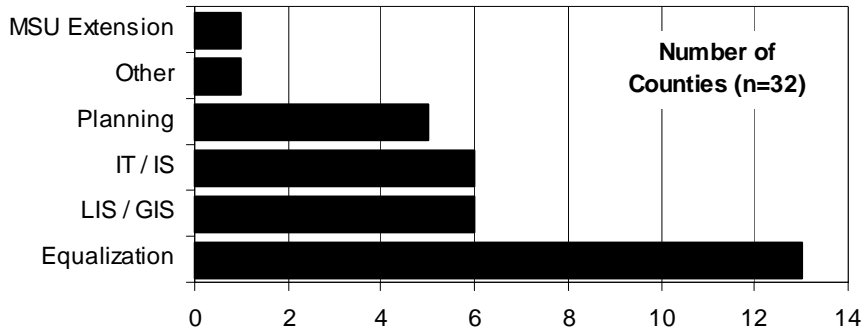
Effect of Budget Cuts on County GIS Programs 2003



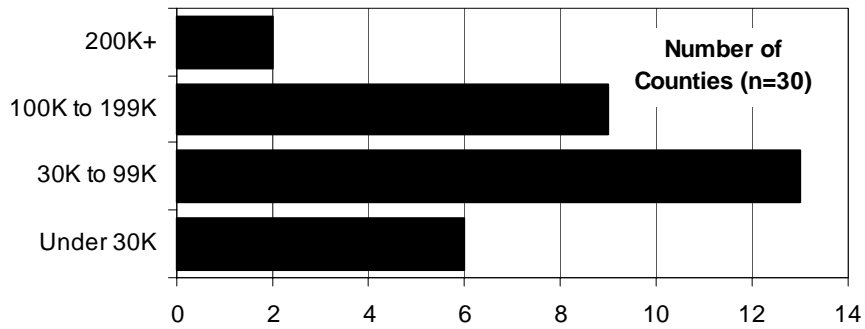
County Departments Benefiting from GIS Program, 2003



County Department Coordinating GIS Activities, 2003

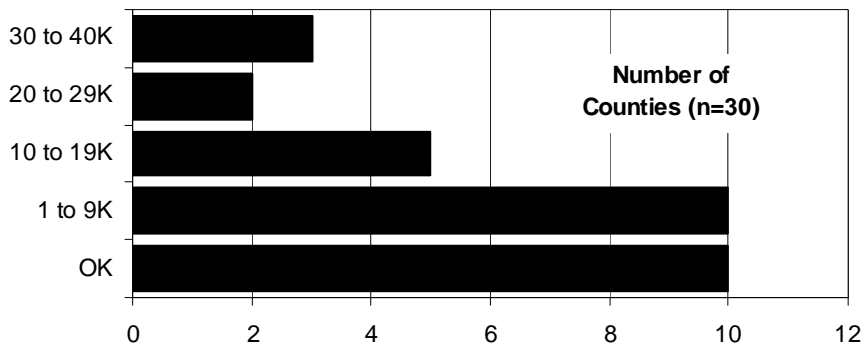


County GIS Program Budgets, 2003



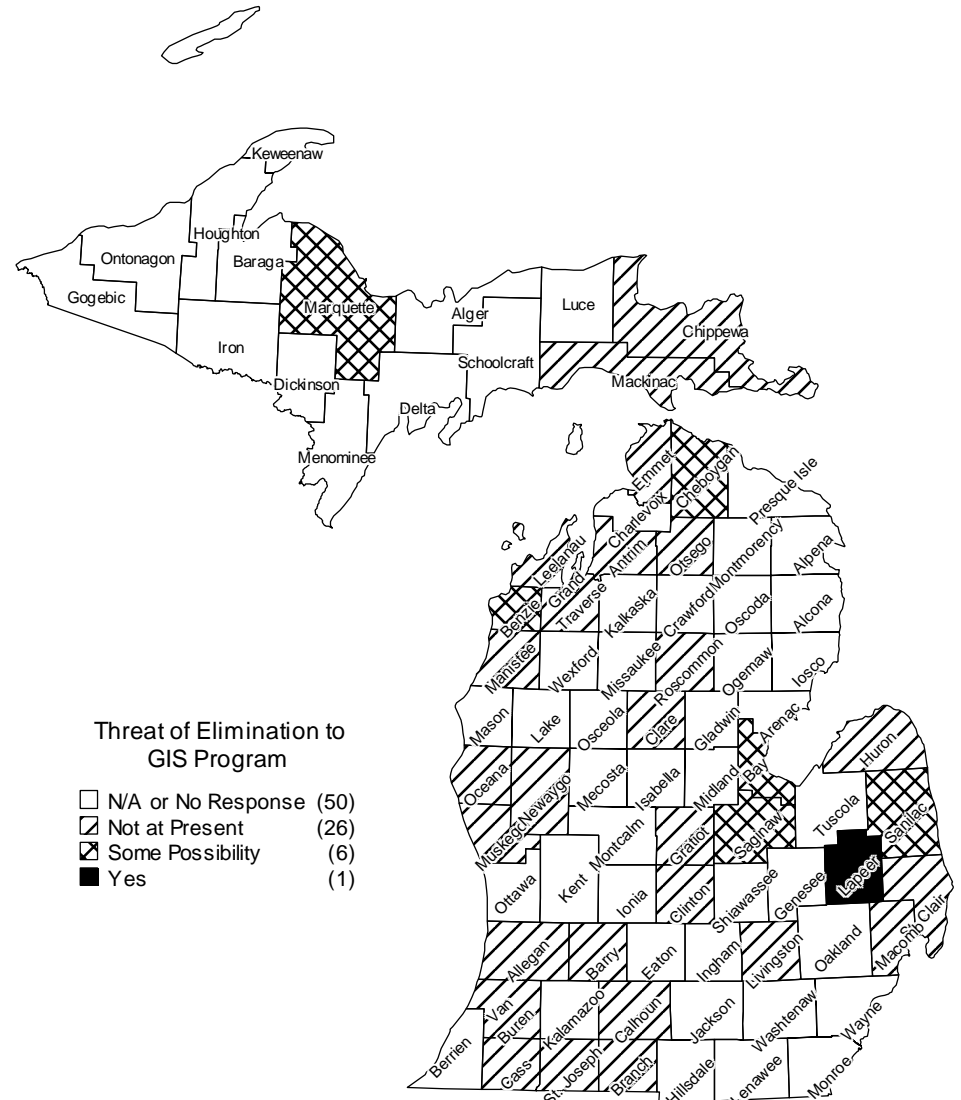
Program budgets proved difficult to estimate. In some cases counties entered no budget even though they had 1 of more FTE's devoted to GIS. In these cases, an estimated salary of 42,000 (including benefits) was given per FTE. Budget estimates were also difficult for counties where GIS activities occur in multiple departments.

County GIS Program Revenues, 2003

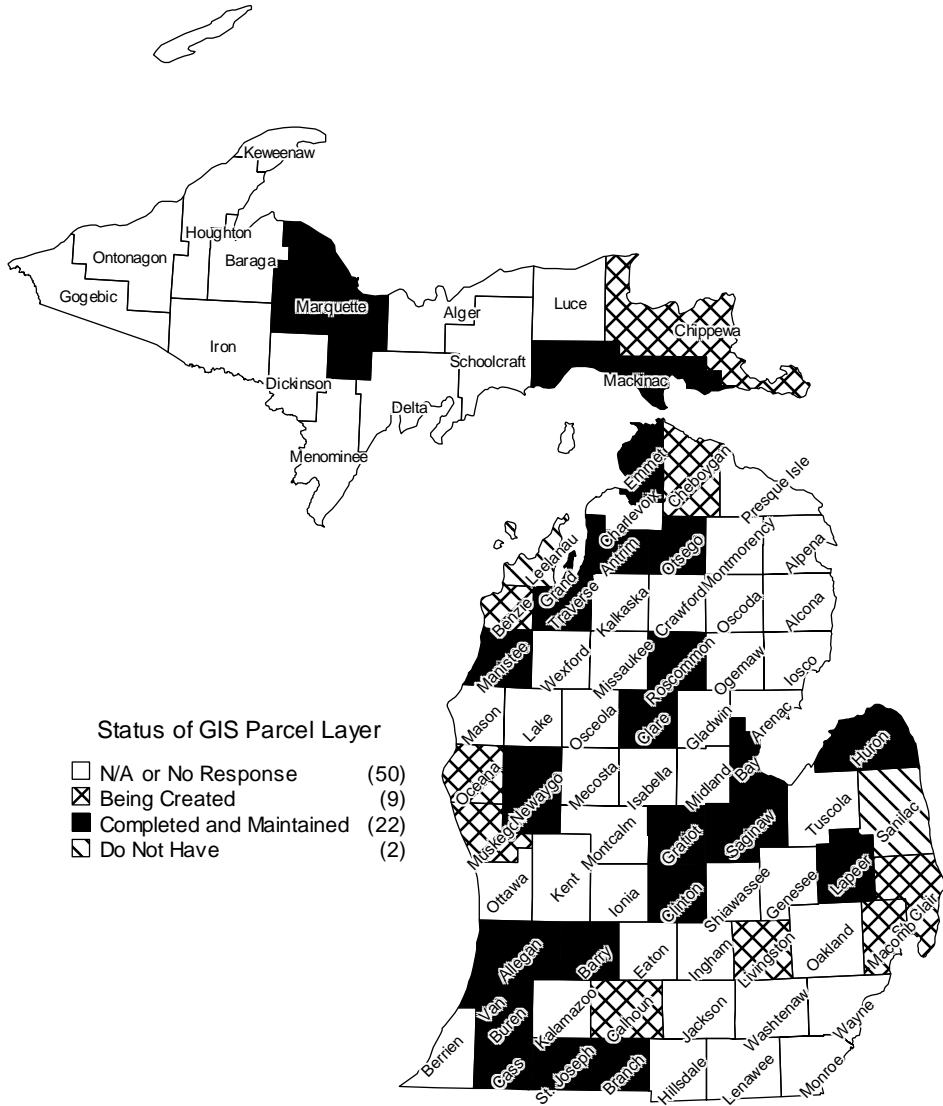


Program revenues were difficult to calculate for counties where GIS occurs in multiple departments. For example revenues from aerial overlays sold by Equalization may have been reported but not zoning maps sold by Planning.

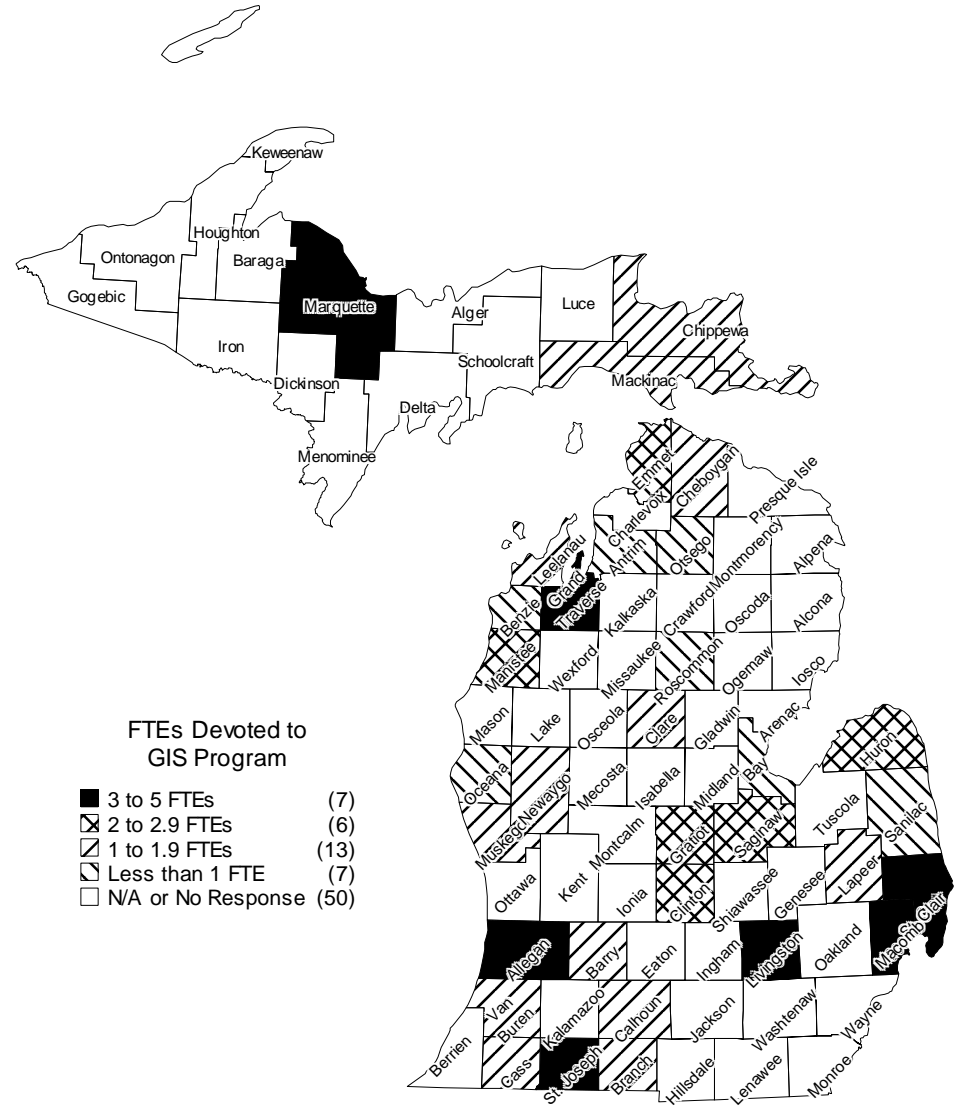
Threat of Elimination to County GIS Programs 2003



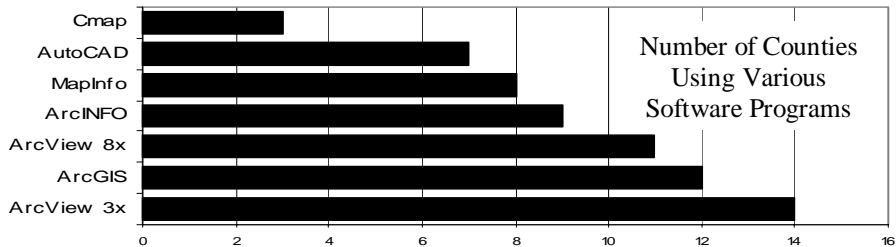
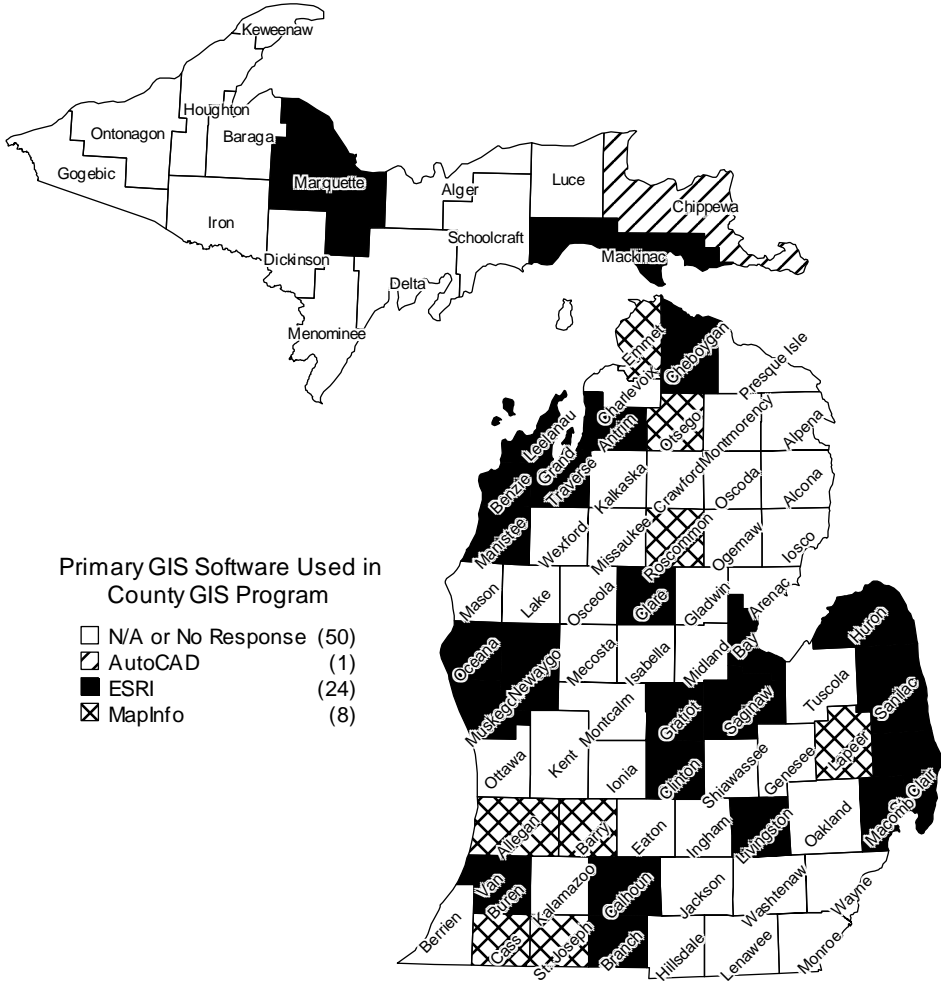
Status of Parcel Layer in County GIS Programs 2003



FTE's Devoted to County GIS Programs 2003

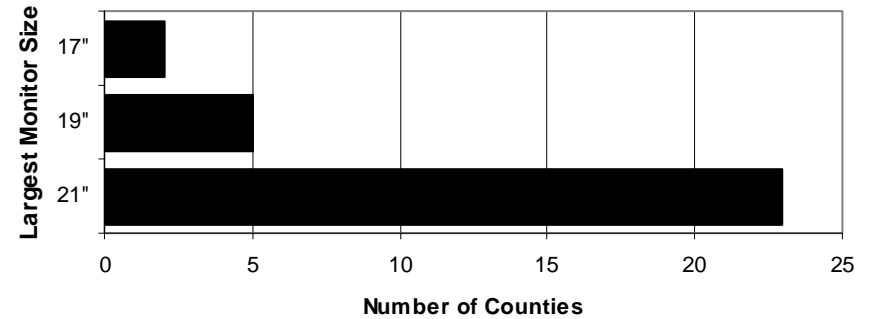


Software Used in County GIS Programs 2003



Hardware Used in County GIS Programs 2003

Monitor Sizes in Used in County GIS Programs



Counties Using Dual Monitors

Allegan County
Clinton County
Huron County
Macomb County
St. Clair County

Counties With Large-format Scanners

Allegan County*
Macomb County
Marquette County*
Newaygo County*
St. Clair County
*Services Available

Counties With Sub-Meter GPS

Allegan County*
Barry County*
Livingston County*
Macomb County
Muskegon County
St. Clair County
*Equipment Available

Plotters in Use

HP Plotter	26
Epson Plotter	1
Other Plotter	1

Computer Processors

Pentium IV	12
Pentium III	13