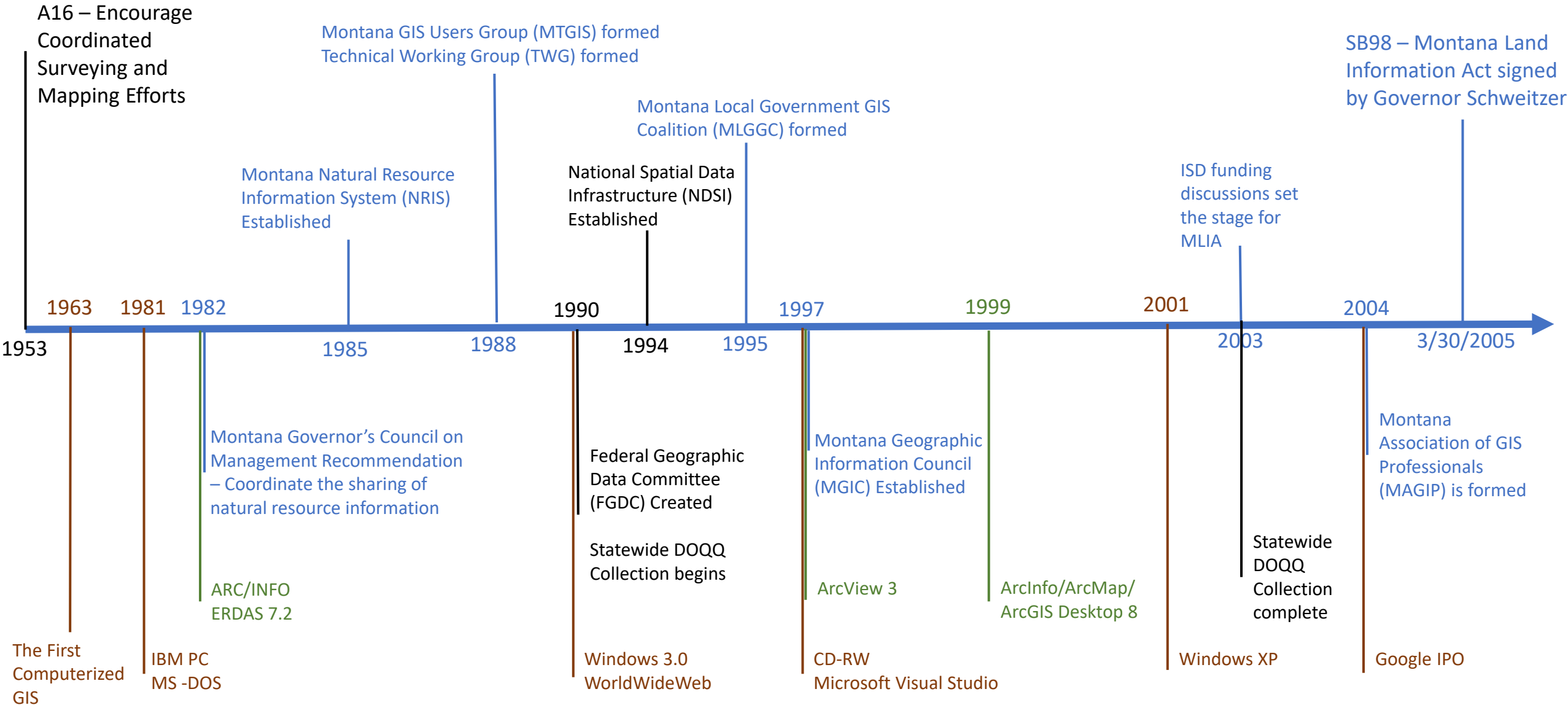


An Abridged GIS Coordination Timeline



Federal GIS Coordination - [OMB A-16 Circular](#)

GEOSPATIAL INFORMATION: A PROGRESS REPORT ON IMPROVING OUR NATION'S MAP-RELATED DATA INFRASTRUCTURE

Committee on Government Reform, June 10, 2003

Figure 2: Federal GIS Coordination Timeline

1953	1967	1990	1994	1997	2002	2002
A-16 issued to encourage coordinated mapping and surveying efforts.	A-16 revised to outline the responsibilities of Interior, Commerce, and State.	A-16 revised to include geographically referenced computer-readable (digital) data. FGDC created.	Executive Order 12906 established NSDI.	Strategy for NSDI published.	A-16 revised to reflect the changes in GIS, and to clearly define agency and FGDC responsibilities.	E-Gov Act of 2002 enacted. Geospatial One-Stop initiated.

Source: GAO

FGDC – Federal Geographic Data Committee
 NSDI – National Spatial Data Infrastructure

Natural Resource Information System History

- Detailed NRIS History – 1982 – 1998 - [NRIS History: 1982 to 1998 – Natural Resource Information System \(mt.gov\)](#)
- 1985 – NRIS Established
- 1996 – Oldest Archived nris.mt.gov site ([Maps of Montana \(archive.org\)](#), [Montana State Library GIS Data List \(archive.org\)](#))
- 2003 – NRIS Pages when MLIA was first discussed - [nris.state.mt.us \(archive.org\)](#), [Maps of Montana \(archive.org\)](#), [Data List \(archive.org\)](#))

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Governor's Council on Management

Final Report

14. Coordinate the sharing of natural resource information.

Various departments of the state, including Natural Resources and Conservation; Fish, Wildlife and Parks; and State Lands, independently collect natural resource information for different purposes using manual and automated methods. Ideally, there should be an integrated natural resource information system. However, a sophisticated system would be extremely expensive because of its unique and distinctly different require-

5

ments. Therefore, discussions should continue to expedite the development of separate but compatible systems. In addition, each should be cataloged and data made available for department and statewide use. Coordination responsibility should be assigned to the administrative assistant in the Office of the Governor who is the natural resources liaison. Implementation will ensure rapid information retrieval while providing needed flexibility.

State GIS Collaboration

- The Montana GIS Users Group (MTGIS) was formed in 1988 by a loose-knit group of diverse GIS professionals. MTGIS held its first Statewide GIS conference in 1988 and in 1990 formally established the group as a non-profit consortium engaged in the use of, and education about, GIS technology. The primary goal of MTGIS was to serve the educational needs of the GIS community at large. [Montana GIS Users' Group \(archive.org\)](#)
- The Technical Working Group (1988 - TWG) and later the Interagency Technical Working Group (1990 - ITWG) was formed and has worked to identify critical Statewide GIS themes, overlapping technical issues, and administrative and funding mechanisms to support GIS data development. Through the efforts of the ITWG the framework for the current Montana Spatial Data Infrastructure (MSDI) was established. [Montana Interagency GIS Technical Working Group \(ITWG\) \(archive.org\)](#)
- The Montana Local Government GIS Coalition (MLGGC) was established in 1995 by local government GIS practitioners to facilitate and advance the implementation and development of GIS technology in city and county government through communication and data sharing. [Montana Local Government GIS Coalition \(13-Jan-1997\) \(archive.org\)](#)
- The Montana Association of Geographic Information Professionals (MAGIP) was formed on April 21, 2004, when the Montana GIS Users' Group (MTGIS) was joined by the Montana Interagency GIS Technical Working Group (ITWG) and the Montana Local Government GIS Coalition (MLGGC). [Montana Association of Geographic Information Professionals - About \(magip.org\)](#)

State GIS Coordination – MGIC, MLIAC

- The Montana Geographic Information Council (**MGIC**) was created by [executive order](#) signed by Governor Racicot in September 1997. This order appears to be Montana's first formal statement specific to GIS Coordination* [The Montana Geographic Information Council \(archive.org\)](#)
- The Montana Land Information Act seems to have been a product of MGIC coordination discussion and an Information Services Division (ISD, a division of the MT Department of Administration) GIS funding discussion in September 2003. The Montana Land Information was passed by the 2005 Montana Legislature as Senate Bill (SB) 98 and was signed into law by Governor Schweitzer on 3/30/2005.

ITSD - Potential Legislation
2005 Legislative Session
Last Update: 09/26/03

1. Substantive Changes to Montana Information Technology ACT (MITA).

Problem Statement: There have been many discussions within ITSD and within agencies regarding MITA as originally enacted by the 1999 Legislature. During the 2001 Legislature the Department decided to not pursue amendments to the Act. Minor changes to MITA resulted with the passage of the Code Commissioners Bill (SB10) and Restrictions on State Financing of IT (HB471). In addition, a number of legislators expressed interest in carrying both "friendly" and "unfriendly" bills to amend MITA. LC1833 was drafted as a joint resolution to study the effectiveness of MITA but was never introduced.

Legislation could be introduced to amend MITA. This includes:

- a. General Discussions Regarding MITA. See the draft legislation that contains a number of potential updates to MITA that reflect a variety of discussions that have occurred since the original passage of SB131 (MITA), including several discussions with legislators during the 2001 Legislative Session.
- b. Additional Legislators on ITB. In internal discussions within the DofA, it was suggested that additional legislators should be added to ITB.

Attachments: Bill draft

2. GIS Funding.

Problem Statement: The Montana Geographic Information Council (MGIC) has prioritized building the Montana Spatial Data Infrastructure (MSDI) as their main objective. Much geospatial data for a variety of data themes already exists and much more needs to be collected. However there is at this time no stable state funding source to maintain, and in some cases distribute these data, much less allow for new data collection efforts, especially related to Montana's critical infrastructure.

MGIC is developing a recommendation to draft legislation that would establish stable funding for continued collection, maintenance and distribution of MSDI. Potential sources of funding may be realty transfer fees, document recordation fees, e-government subscriptions and other unidentified sources.

3. Clarify E-Mail as a Public Record.



The 59th Regular Session of the Montana Legislature adjourned Sine Die on April 21st, 2005.

[Top](#) | [Actions](#) | [Sponsor, etc.](#) | [Subjects](#) | [Add'l Bill Info](#) | [Eff. Dates](#) | [New Search](#)

Bill Draft Number: LC0079 **Current Bill Text:** [Previous Version\(s\)](#)
Bill Type - Number: SB 98 [Fiscal Note](#)
Short Title: Montana land information act
Primary Sponsor: [Joseph \(Joe\) Tropila](#) (D) SD 13
Chapter Number: 135

Bill Actions - Current Bill Progress: Became Law

Bill Action Count: 45

[Print Friendly](#)

Action - Most Recent First	Date	Votes Yes	Votes No	Committee
Chapter Number Assigned	03/30/2005			
(S) Signed by Governor	03/30/2005			
(S) Transmitted to Governor	03/21/2005			
(H) Signed by Speaker	03/21/2005			
(S) Signed by President	03/19/2005			
(C) Printed - New Version Available	03/18/2005			
(S) Returned from Enrolling	03/18/2005			
(S) Sent to Enrolling	03/17/2005			
(H) Returned to Senate	03/16/2005			
(H) 3rd Reading Concurred	03/16/2005	86	14	
(H) Scheduled for 3rd Reading	03/16/2005			
(H) 2nd Reading Concurred	03/15/2005	74	26	
(H) Scheduled for 2nd Reading	03/15/2005			
(H) Committee Report--Bill Concurred	03/12/2005			(H) State Administration
(H) Committee Executive Action--Bill Concurred	03/11/2005	16	0	(H) State Administration
(H) Hearing	03/10/2005			(H) State Administration
(H) Referred to Committee	02/22/2005			(H) State Administration
(H) First Reading	02/22/2005			
(S) Transmitted to House	01/17/2005			
(S) 3rd Reading Passed	01/17/2005	44	6	
(S) Scheduled for 3rd Reading	01/17/2005			

59th Legislature

SB0098.01

1 SENATE BILL NO. 98
2 INTRODUCED BY J. TROPILA
3 BY REQUEST OF THE DEPARTMENT OF ADMINISTRATION
4
5 A BILL FOR AN ACT ENTITLED: "AN ACT CREATING THE MONTANA LAND INFORMATION ACT; STATING
6 THE PURPOSES OF THE MONTANA LAND INFORMATION ACT; DEFINING CERTAIN TERMS;
7 ESTABLISHING CERTAIN DUTIES FOR THE DEPARTMENT OF ADMINISTRATION REGARDING LAND
8 INFORMATION; CREATING THE LAND INFORMATION ADVISORY COUNCIL AND DESCRIBING
9 APPOINTMENTS, TERMS, VACANCIES, AND COMPENSATION OF COUNCIL MEMBERS; CREATING THE
10 MONTANA LAND INFORMATION ACCOUNT AND PROVIDING FOR ADMINISTRATION OF THE ACCOUNT;
11 REQUIRING EACH COUNTY GOVERNING BODY TO CREATE A COUNTY LAND INFORMATION ACCOUNT
12 AND DESCRIBING THE PURPOSES AND ALLOWABLE USES OF THE ACCOUNT; REQUIRING THE
13 DEPARTMENT OF ADMINISTRATION TO ADOPT RULES TO ADMINISTER THE MONTANA LAND
14 INFORMATION ACT; REVISING CERTAIN FEES CHARGED FOR RECORDING CERTAIN DOCUMENTS AND
15 REVISING THE DISTRIBUTION OF THE FEES COLLECTED; AMENDING SECTIONS 7-4-2632 AND
16 7-4-2637, MCA; AND PROVIDING AN EFFECTIVE DATE."

GIS in Montana in the Early 2000s


Montana State Library
MONTANA Natural Resource Information System


• Geographic Information • Natural Heritage Program • Water Information


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Please help us evaluate the utility and importance of NRIS/NHP services by taking our 2nd annual NRIS service survey

What's New...

 NRIS announces availability of new aerial photos (Doq's)...

 NRIS announces 2nd annual user's survey...

 NRIS rolls out new web site look!...

[More news...](#)



Montana Maps
pre-made maps of Montana



GIS Data
downloadable datasets



Interactive Map and Data Applications



Request Tracker
request information or data from NRIS





Natural Heritage Program




Water Information

Upcoming Seminars...

 Fish and Wildlife Conservation Planning Process Topic of September 26 NRIS Se...

 Census Resources Topic of October 24 NRIS Seminar / Presented by Kris Larson...

 2003 GIS Day Theme of November 19 NRIS Activities ...

[More seminars...](#)

- Contact Information
- Montana State Library
- State of Montana (discoveringmontana.com)

- Drought Information
- NRIS 2002 Annual Report
- September 2002 Web User Survey Results

Montana Interagency GIS Technical Working Group (ITWG)
An intergovernmental partnership serving the Montana GIS Community for over a decade

[About ITWG](#) | [Meeting Agendas and Minutes](#) | [Mission, Members, Points-of-Contact, and Listserv](#)
[Framework Data](#) | [Current Events & Projects](#) | [Collaborating Groups](#) | [Visit the Gallery](#)

Hot Topics (Last update: Wednesday, April 02, 2003)

- Intermountain GIS Conference:** April 6-10 (see <http://www.intermountaingis.org>) for details.
- The April 15/16 2003 MLGGC and joint ITWG/MLGG Agenda is available under Meeting Minutes and Agendas.
- The April 15 2003 ITWG agenda is available under Meeting Minutes and Agendas.
- Information on the free Cartography Workshop on April 15th by Ed Madej and Gerry Daumiller is available under Meeting Minutes and Agendas.
- First Quarter 2003 Quarterly [I-Team reports](#) (PDF) are available.

Recent News

- The ITWG poster from the 2002 Intermountain GIS Conference is available for download in [PDF](#) and [PowerPoint 2000](#) format. Please feel free to print it and post it in a prominent location (stall door?). Please contact Mike Sweet (sweet@forestry.umt.edu) in regard to any corrections or updates that need to be incorporated.
- The ITWG [Memorandum-of-Understand \(MOU\), Standard Operating Procedures \(SOP\), and signature/contact page](#)
- The **Final ITWG MOU** ([Word97](#) or [PDF format](#)) is now available. .

THE MONTANA GIS USERS' GROUP

The Montana GIS Users' Group is a statewide consortium of federal, state, local, tribal, university, and private organizations and individuals engaged in the use of and education about GIS technology. The Group's purpose is to provide a forum for exchanging information and ideas on GIS technology. Membership is open to anyone with an interest in GIS and willingness to share their knowledge. The Users' Group is a non-profit organization; any funds generated by group activities are fully invested in projects that serve the GIS community at large in Montana. There are no membership dues. At the annual meeting, members approve goals and an agenda for the subsequent year and elect new board members. The charter for the Montana GIS Users' Group was adopted in 1990 at the Montana GIS Users' Conference in Missoula.

Users' Group Activities:

- Annual Intermountain GIS Users' Conference** (www.intermountaingis.org)
 The Users' Group sponsored the Montana GIS Conference from 1988 through 1997. Since 1998, the Northern Rockies chapter of the Urban and Regional Information Systems Association (URISA) has co-sponsored the conference, which is now called the Intermountain GIS Users' Conference. The 2003 conference will be held April 7-10 Coeur d'Alene, Idaho. Please see the [Intermountain GIS Conference website](#) for information on STUDENT SCHOLARSHIPS for the 2003 Conference.
- Statewide Coordination**
 The MT GIS Users' Group works closely with other statewide GIS organizations such as the Montana GIS Interagency Technical Working Group ([ITWG](#)), the Montana Local Government GIS Coalition ([MLGGC](#)) and the Montana Geographic Information Council ([MGIC](#)).
- Montana GIS Newsletters On-line**
 The Montana GIS News is a newsletter published by the Natural Resource Information System for the Montana GIS Users' Group. This is a forum for interested parties to write articles highlighting GIS events and activities around the state. Contact Catherine Love at clove@state.mt.us to submit an article for the newsletter.

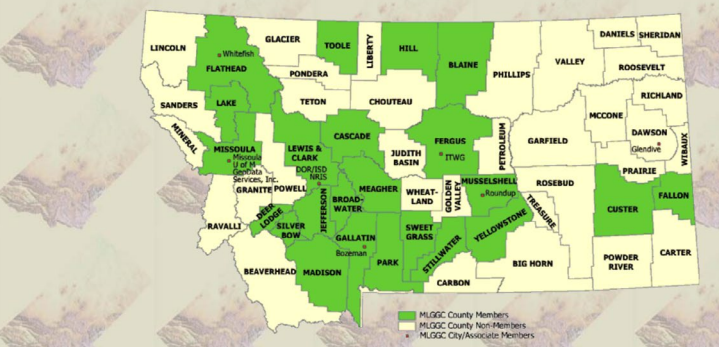
 To receive our Montana GIS Newsletter, please contact Catherine Love (clove@state.mt.us). Within the body of your email to Catherine, please indicate what type of contact you would like to be informed that the latest GIS newsletter is available. Request EITHER an email announcement, OR request a hard copy of the newsletter mailed to the address you include in your email, OR BOTH email and hardcopy.
- MTGIS Higher Education GIS Scholarship Fund**
 The MT GIS Users' Group has established an Endowment through the Montana Community Foundation for graduate students and seniors enrolled in GIS-related programs at Montana Universities. Students are awarded a one-time \$1000 scholarship and are encouraged to present the results of their successful proposals at the annual Intermountain GIS conference.

Geographic Information & Analysis Center

Montana Local Government GIS Coalition

[About the MLGGC News & Events Links](#) |
 [Membership Job Board Data / Map Gallery](#) |
 [Meetings/Minutes Subcommittees Metadata](#)

Member Counties and Cities:



[About the MLGGC / Membership / Minutes/Agendas / News & Events Job Board / Metadata / Links Data / Subcommittees](#)

Montana Local Government GIS Coalition (archive.org)

discovering MONTANA the official state website

Information Technology Services Division

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Members

Next Meeting
Dec 4, 2003

Meeting Materials
[Sept 4-5, 2003](#)
[Jun 5, 2003](#)
[Mar 6, 2003](#)
[Dec 5, 2002](#)
[Sept 5, 2002](#)

Advisory Councils

GIS Services

Montana Geographic Information Council (MGIC)

Documents available on this site may be posted in a variety of formats, including but not limited to, Microsoft Word Excel PowerPoint or Adobe PDF. If you have trouble accessing information, please use the e-mail link below.

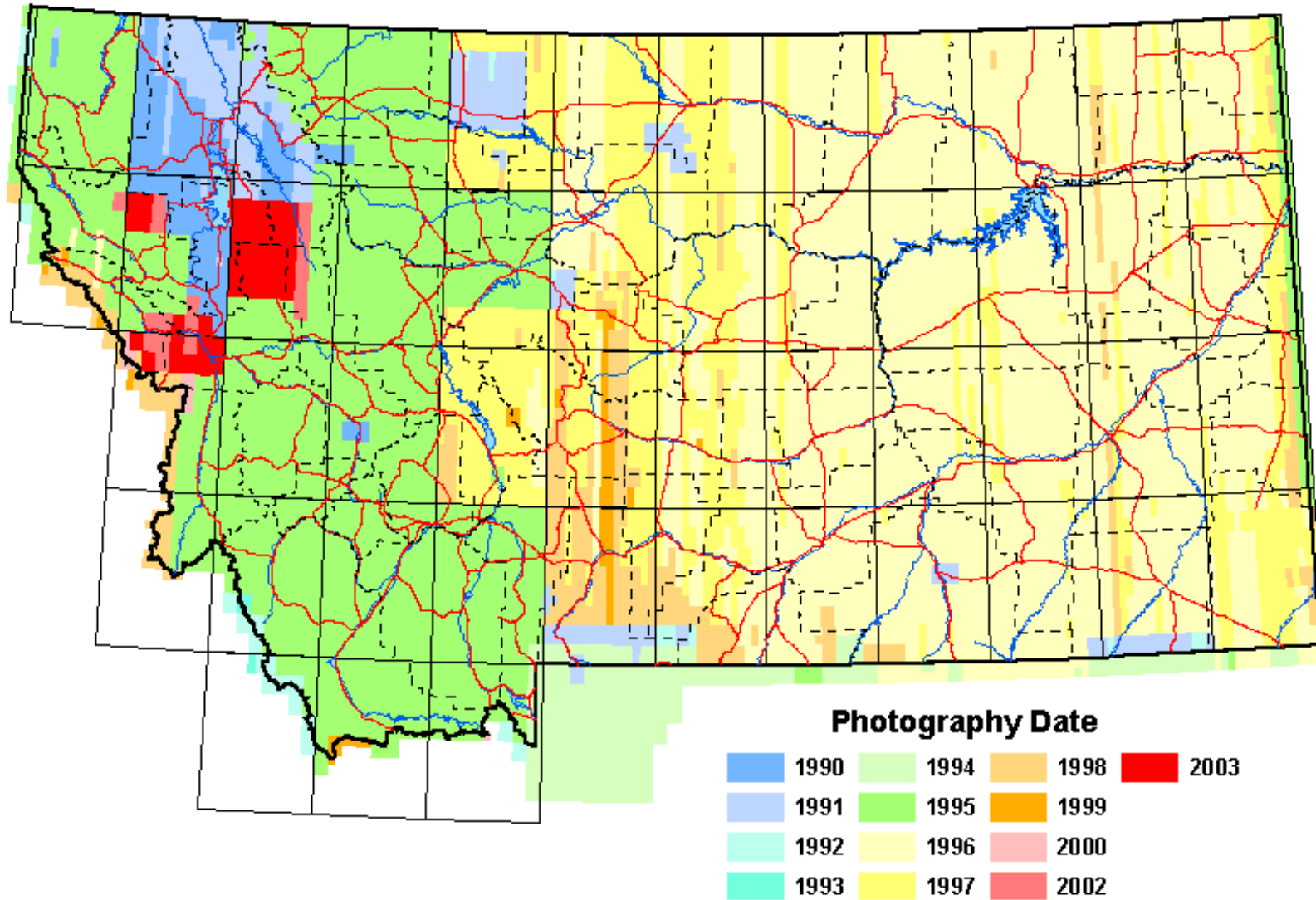
The Montana Geographic Information Council (MGIC) was created by executive order signed by Governor Racicot in September, 1997. Revised executive orders were signed by the governor in January 2000 and November 2001.

The purpose of MGIC is to provide policy level direction and promote efficient and effective use of geographical information. MGIC may also establish priorities for statewide needs, help in developing plans to meet those needs, simplify cost sharing, encourage collaboration and cooperation to develop databases and applications, and promote coordination of programs, policies, and technologies. The idea is to maximize opportunities and minimize duplication. The council's revised [operating procedures](#) were adopted in January, 2001.

MGIC is comprised of twenty members appointed from the private sector; local, state, and federal government; the university system; and the Native American community.

For more information on the activities of the Montana Geographic Information Council, contact Stewart Kirkpatrick, Chief, GIS Services Bureau at skirkpatrick@state.mt.us.

USGS Digital Orthophotos



[USGS Aerial Photos of Montana \(archive.org\)](http://nris.mt.gov/nsdi/doqgifs/ortho_dates.gif) – Statewide 1m Black and White Photography collected over 13 years - http://nris.mt.gov/nsdi/doqgifs/ortho_dates.gif

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