

Ohio Geographically Referenced Information Program
Annual Report
Fiscal Year 1998
July 1, 1997 through June 30, 1998

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Table of Contents



OGRIP Annual Report FY 1998

Table of Contents:

Executive Summary	Page 4
Introduction	Page 7
Organization	Page 8
Council	
Forum	
Task Forces/Work Groups	
OGRIP Office	
Projects & Activities	Page 11
Leadership	Page 11
Strategic Plan	
Federal Geographic Data Committee Cooperative Partner	
Continuing Projects	
New Projects and Initiatives	
Communication	Page 13
Newsletter	
Homepage	
Educational Opportunities	
Education	Page 14
Metadata Software Evaluation	
Higher Education Curriculum Study	
Ohio GIS Conference	
Conferences and Presentations	
Workshops and Seminars	
Outreach Initiatives	
Assistance	Page 19
State of Ohio Geodetic Advisor Program	
Guidelines to Build a Land Information System at the Local Level	
Coordination	
Finances	Page 22
Funding	
Expenditures	
The Future	Page 25
Appendices	Page 26
Strategic Plan Summary (Appendix A)	
Participants (Appendix B)	
Publications (Appendix C)	

Executive Summary



The Ohio Geographically Referenced Information Program (OGRIP) continues to be recognized as a proponent for growth in the communication and coordination within the Ohio GIS community. From its inception, the purpose of OGRIP has been to encourage GIS activities in Ohio that enhance the development and use of reliable geospatial data. This annual report reviews the highlights of OGRIP activities for Fiscal Year 1998.

OGRIP is established by an executive order to assist in the coordination of GIS activities and encourage access and consistency with other GIS systems to the maximum extent possible among all levels of government, regional organizations and the private sector. Organizationally, OGRIP is composed of a Council and a Forum. The Council, appointed by the Governor, serves as a policy body to oversee the bylaws, rules, procedures and financial affairs related to OGRIP operations and activities. It is composed of the directors of the Departments of Administrative Services, Transportation, Natural Resources and the Ohio Environmental Protection Agency and three at-large representatives selected from local government, universities and utilities. The Forum, primarily a volunteer organization, develops work plans and conducts approved projects. The OGRIP office provides support to the Council and Forum.

Fiscal Year 1998 saw a continued emphasis on compatible data at the "property parcel" or "large-scale" level and on addressing the development of statewide data sets. OGRIP will continue to use its resources to support cooperation among state and local agencies, regional organizations and the private sector. It continues to serve as a model for such cooperation both in Ohio and in the nation. We facilitate this through Leadership, Communication, Education and Assistance. A few of the highlights of OGRIP's achievements for this Fiscal Year are identified below.

Leadership

Three major OGRIP initiatives focused on leadership and leadership development. First, OGRIP revised a strategic plan (see Appendix A) to clarify its goals and objectives. The purpose of this plan is to define OGRIP's direction and to ensure continuity within and between OGRIP funded projects, consistent with its mandated direction. This plan charts a course to strengthen the spatial data infrastructure in Ohio over the next several years.

Second, OGRIP coordinated and facilitated Ohio's involvement in the National Digital Orthophotography Program (NDOP) and is currently managing NDOP. This program is a partnership between three federal agencies (the United States Geological Survey [USGS], the Natural Resource Conservation Service [NRCS] and the Farm Service Agency [FSA]) and the state of Ohio (the Ohio Department of Natural Resources [ODNR], the Ohio Environmental Protection Agency [OEPA], the Ohio Department of Transportation [ODOT], OGRIP and OGRIP's parent, the Ohio Department of Administrative Services [ODAS]). Involvement in NDOP provides the state of Ohio

with Digital Orthophoto Quarter-quads at 1:12,000 scale with +/-33 feet accuracy and 1 meter pixel resolution for the entire state.

Lastly, OGRIP funded a Standards Review that gathered existing standards and guidelines that support the development and implementation of Geographic Information Systems (GIS) for local government in Ohio. Relevant standards and guidelines were identified that are consistent with the goals and objectives of OGRIP and are supportive of the Federal Geographic Data Committee's (FGDC) Framework and the National Spatial Data Infrastructure (NSDI).

Communication

OGRIP continues to emphasize communication as a mechanism to accomplish cooperation and coordination. To facilitate communication, the OGRIP office initiated two major changes. First we modified the format and expanded the length of our newsletter. Second we reworked the OGRIP Web site to be the key mechanism for communicating OGRIP activities. The Web site address is www.state.oh.us/ogrip/. The OGRIP office also developed a monthly listing of local, regional, state and national educational opportunities relevant to GIS users in Ohio.

Education

OGRIP completed two educational initiatives with significant importance to Ohio. The Higher Education Curriculum Study identified universities with GIS courses and programs and supported the development of a training curriculum for practitioners of GIS technology.

OGRIP also funded the nationally recognized study on metadata processing tools to support the creation of metadata for Ohio. This evaluation of Metadata Software Processing Tools focused on more than thirty specific metadata software packages. This evaluation included laboratory testing on the most robust packages. Nine software tools were identified as relevant to Ohio's metadata needs.

Additionally, OGRIP increased its participation in local, state and regional conferences and it hosted seminars focused on GIS and related technologies. Significant efforts were made to involve and interact with local governments to encourage cooperation and coordination through education.

Assistance

OGRIP, ODNR, ODOT, The Ohio State University and the National Geodetic Survey (NGS) continue to fund the State of Ohio Geodetic Advisor program. This program's primary purpose is to establish and maintain quality geodetic control throughout the state. This program supports all levels of government, and is a mainstay initiative for OGRIP.

In Wayne County, OGRIP documented the experiences as well as the institutional and organizational issues involved in establishing geodetic control and other foundational requisites for developing compatible data. The resulting document, "Guidelines for Beginning and Sustaining a Cooperative Effort to Build a Land Information System at the Local Level based upon a Geodetic Reference Framework" provides an understanding of and states the importance of foundational elements of a land information system that can be used by other communities.

Funding

In Fiscal Year 1998, OGRIP received \$383,991.00 through the Department of Administrative Services from the General Revenue Fund, an increase of \$17,660.00 from the previous year's budget. This funding supported operations of the OGRIP office and initiatives summarized in this Annual Report.

Conclusion

OGRIP serves as a central point of contact for connecting organizations to data sources and data providers. OGRIP is providing coordination of spatial or geographic information and resources and is promoting cooperative efforts between all levels of government, regional organizations and the private sector. It supports a myriad of educational venues and continues to foster GIS education through the Forum, informal and formal presentations, conferences, seminars and special activities.

OGRIP is recognized as a coordinator of GIS data collection and management efforts in Ohio by providing leadership, guidance and direction for spatially related information and technologies.

Introduction



The Ohio Geographically Referenced Information Program (OGRIP) has become a clearly recognized proponent for growth in communication and coordination within the Ohio GIS community. The work of the OGRIP Council and Forum during recent years has helped to move Ohio ahead in terms of leadership, communication, education and assistance for GIS practitioners throughout our state. This annual report presents the highlights of this work for Fiscal Year 1998 (July 1, 1997 to June 30, 1998).

OGRIP continues to encourage GIS activities in Ohio that enhance the development and use of reliable geospatial data. OGRIP has a mandate from the Office of the Governor to “coordinate GIS activities within the state that provide for the efficient collection, management and use of geographically referenced data.” Through public and private cooperation, OGRIP has been able to make real progress with several noteworthy initiatives.

OGRIP will continue to carry out its mandate to encourage the creation of digital geographic data of value to multiple users, and to foster the ability to easily determine what geographic data exist and to enhance the ability to easily access and use these data.

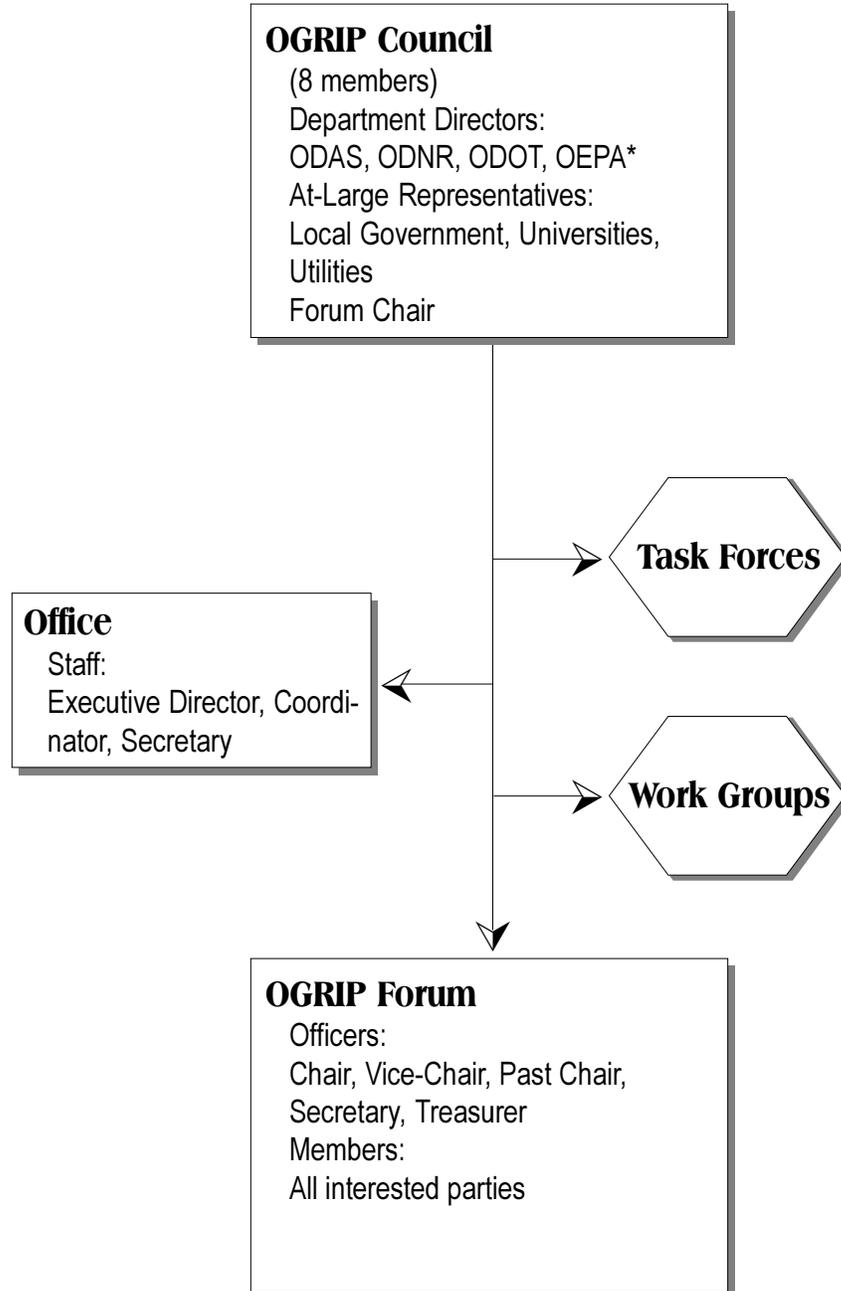
This annual report includes four major sections followed by relevant appendices. These sections are entitled Organization, Projects/Activities, Finances and The Future. The organization section presents the general roles and functions of the OGRIP Council, Forum, Task Forces, Work Groups and the OGRIP office. The section on projects and activities discusses the status and funding of various OGRIP projects related to leadership, communication, education and assistance for the GIS community in Ohio. The finance section identifies the uses and expenditures of OGRIP financial resources during Fiscal Year 1998. The section on the future for OGRIP sets forth a direction for the GIS community in Ohio and OGRIP.

OGRIP participants are pleased to present this Fiscal Year 1998 Annual Report of activities to the Governor, the President of the Senate, the Speaker of the House of Representatives and others interested in cooperative GIS work aimed to benefit the public and private sectors of Ohio.

Organization



Figure 1: OGRIP ORGANIZATIONAL STRUCTURE



The organizational structure of OGRIP is depicted in Figure 1. The Forum Chair is a voting member of both the Council and the Forum. The Chair may request that the Forum appoint Task Forces for specific short-term objectives. Task Forces report findings to the Forum and may establish Work Groups to continue on with work over a longer period of time.

* Ohio Department of Administrative Services, Ohio Department of Natural Resources, Ohio Department of Transportation, Ohio Environmental Protection Agency

Council

On February 22, 1993, Governor George V. Voinovich issued an executive order establishing OGRIP. It was to be composed of a Council and a Forum. This official action formalized the voluntary cooperation begun in 1988 by representatives of state of Ohio government agencies with extensive GIS experience and a common interest in promoting the shared use of digital geographic information. OGRIP has been charged by the executive order to coordinate GIS activities within Ohio that provide for the efficient collection, management and use of digital geographically referenced data.

The Council is composed of the Directors, or their designees, of the Departments of Administrative Services, Transportation, Natural Resources and the Environmental Protection Agency and three at-large representatives. The Governor selects the three at-large Council delegates who represent local government, universities or utilities. This year, the Chair of the OGRIP Forum was added to the Council as a voting member. The Department of Administrative Services representative serves as chair of the eight-member Council, and this department provides support services necessary for Council functions.

The Council serves as a policy body for OGRIP, overseeing the bylaws, rules, procedures and financial affairs related to OGRIP operations and activities. The Council normally meets on the third Wednesday of every other month at the Ohio Department of Natural Resources in Columbus at Fountain Square. All departments and agencies of the state are urged to cooperate with the Council as it carries out its mandated roles and fulfills its mission. The Council encourages coordinated teamwork as OGRIP works to build an enhanced future for Ohio based on the best available geographic information.

Forum

The OGRIP Executive Order sets forth the basis for the Forum "to assist in the coordination of GIS activities and to encourage access and consistency with other GIS systems to the maximum extent possible." Forum participation is open to anyone interested in OGRIP by contributing actively to the work of the Forum and by consistently attending its meetings. Members of the Forum are generally representatives from state, federal and local government, regional organizations, universities, utilities, the private sector and the public in general. The Forum aims to bring together the resources needed for growth in communication and coordination within the Ohio GIS community. Forum leadership is provided by the following officers: Chair, Past Chair, Vice Chair and two At-Large Representatives.

The Forum officers during Fiscal Year 1998 were Dr. James Dowdy, Chair; Jim Jennings, Sr., Past Chair; Gene Hinterscheid, Vice Chair and the At-Large Representatives were Cheri Donofrio and Bob Vertrees. These officers are elected by the Forum membership to serve one-year terms, and together they serve as the executive

group for Forum affairs. The officers also are the nucleus of the Administrative Work Group that works with the OGRIP office on administrative matters.

The Forum meets at the State of Ohio Computer Center, 1320 Arthur E. Adams Drive in Columbus on the last Monday of the month. Anyone interested in participating in OGRIP is invited to attend meetings and to join activities that match their particular interests. Meeting agendas are developed prior to the meetings, and the meeting minutes are a matter of public record. Minutes are available through OGRIP's Web site, www.state.oh.us/ogrip. The Forum works to achieve consensus on issues of concern and to move forward on a consensual basis. All meetings are open to the public. A schedule of meetings and additional information can be obtained through the OGRIP Web site or by calling the OGRIP office at (614) 466-4747.

Task Forces and Work Groups

The Forum Chair may request that the Forum assign topics to small groups as ad hoc task forces or work groups dedicated to defined assignments. The purpose of a task force is to quickly research an issue or topic and to make recommendations on how to proceed. The task force has a predetermined life span. If further study is required, or if the issues are too numerous to address in a short time interval, the task force can transition into a work group. This transition must be approved by the Forum. For example, in 1996 a Metadata Task Force was created to research issues related to data documentation. It was determined that because the issues were so substantial they needed more detailed study, and therefore a Metadata Work Group was formed.

OGRIP office

The OGRIP office is located in the State of Ohio Computer Center (SOCC). The SOCC also provides convenient meeting space for the Forum, task forces, work groups and other groups related to OGRIP.

The OGRIP office, a part of the Department of Administrative Services, serves as the central location for information on OGRIP and its activities. The OGRIP office consists of an executive director, a coordinator and a secretary. The executive director is responsible for the programmatic, administrative and financial functions of OGRIP. The coordinator assists OGRIP in implementing strategies and objectives and in acting as an information exchange point for OGRIP members. The secretary supports information dissemination and prepares both Council and Forum minutes, maintains correspondence, oversees office procurements and prepares mailings. In addition to the three full-time staff positions, a part-time college intern assists with routine administrative tasks and office initiatives to support the Forum.

The expressed need to have dedicated staff to support the OGRIP Council and Forum activities has been met. This dedicated staff can now support the mandated responsibilities of OGRIP. For additional information, the OGRIP office may be reached by calling 614-466-4747.

Projects & Activities



Leadership

Strategic Plan – During Fiscal Year 1998, OGRIP revised the strategic plan that defines its goals and objectives. The purpose of this plan is to define OGRIP's direction and to ensure continuity within and between OGRIP funded projects, consistent with its mandated direction. This plan charts a course to strengthen the spatial data infrastructure in Ohio over the next several years. The intent of this plan is to instill a strategic view of cooperative GIS initiatives throughout the state. The strategic plan has the following objectives:

- to define a strategic direction and approach for coordinating geographic data development in Ohio,
- to foster an enterprise-wide or community-resource perspective regarding GIS development,
- to educate members about GIS, OGRIP and issues in Ohio regarding geospatial data and data sharing, and
- to establish OGRIP as the recognized leader and coordinator for GIS activities in Ohio.

The Strategic Plan has been published. It is also available through our homepage.

FGDC Cooperating Partner – OGRIP is recognized as a Federal Geographic Data Committee (FGDC) Cooperating Partner. OGRIP was contacted by the FGDC concerning participation in their Cooperating Partnership Program. The Council approved our participation. This allows OGRIP to participate with the other 18 Cooperative Partners to assist in establishing policies and criteria for the FGDC and to interact in activities and initiatives that further develop the National Spatial Data Infrastructure (NSDI).

Continuing Projects

- *Generating Information by Scanning Ohio Maps (GISOM)* – This is a cooperative project funded by several state agencies working together with the U.S. Geological Survey (USGS) to make the 1:24,000 scale topographic quadrangle maps for Ohio readily available in digital form. This project was completed in August of 1997. Data associated with this project is distributed through the GIS Support Center and can be accessed at the www.geodata.state.oh.us Web site.
- *Large Scale Features Classification Project (LSFC)* – A grant was sought and awarded for a Large Scale Features Classification Project. The recommendations of this project will improve the ability to share data at the property parcel level by providing a methodology to define the meanings of data elements used in large scale mapping. The results of this project identified the need for a more robust feature classification at the local government level. The LSFC project report is currently available on the revised OGRIP Web site.

- *National Digital Orthophotography Program (NDOP)* – OGRIP is managing the state of Ohio's participation in the National Digital Orthophoto Program (NDOP). USGS, NRCS and FSA at the federal level and the Ohio Department of Natural Resources, the Ohio Environmental Protection Agency, the Ohio Department of Transportation, OGRIP and OGRIP's parent agency, the Ohio Department of Administrative Services, have committed funding to ensure Ohio's participation in acquiring the 1:12,000 scale orthophotos with +/-33 feet accuracy and 1 meter pixel resolution for the entire state. This project is expected to be completed in early 1999.
- *Ohio Digital Orthophotography Project (ODOP)* – This study developed an approach for orthophoto development in Ohio. Its goal is to help regional, county, and municipal organizations acquire photographic coverage that meets their needs. By following a single guideline for large-scale orthophotography, the mapping efforts of local level organizations will contribute to a consistent geographic information framework for the entire state. Results are currently available on the revised OGRIP Web site.
- *Survey of Geographic Information Systems (GIS) in Local Government* – This survey was undertaken in part as an update to the 1992-1993 survey. The component added in Fiscal Year 1998 was the examination of institutional issues for establishing GIS in local government in order to compare institutional arrangements of GIS in both Ohio and Wisconsin. The survey results are currently available on the revised OGRIP Web site.

New Projects and Initiatives

- *Consulting Assistance for Standards and Guidelines* – A Request for Proposal (RFP) was released for consulting assistance for the definition, identification and development of user design standards and guidelines to support the development and implementation of Geographic Information Systems (GIS) for local government in Ohio. OGRIP has traditionally been an endorser of standards and guidelines. The intent of this scope of work was not to “recreate the wheel”, but rather to endorse standards relevant to Ohio. If after the review of existing standards it is found that relevant standards/guidelines for Ohio do not exist, OGRIP will strongly consider developing them. Relevant standards and guidelines for local government must be consistent with the goals and objectives of OGRIP and be supportive of the Federal Geographic Data Committee's (FGDC) *Framework* and the National Spatial Data Infrastructure (NSDI). OGRIP also believes it is not enough to simply identify a standard to follow. We believe it is necessary and beneficial to provide procedures for implementation of these identified and agreed upon standards. The consulting assistance resulted in: 1) a suggested suite of relevant standards for review and endorsement by OGRIP and local governments concerning GIS implementation; 2) a template or logical structure and content for a GIS database and associated attributes for endorse-

ment by OGRIP and local governments; and, 3) guidelines for the application of FGDC's initiatives for geospatial accuracy.

- *Metadata Pilot Project* – A RFP was released by OGRIP for the development of a metadata pilot project. OGRIP is at a stage where the creation, dissemination and searching capabilities for metadata files with real-world data would provide significant insight in defining the time, level of effort and effect of metadata development on future data sharing activities by GIS users in Ohio. The scope of this project is to develop a metadata pilot to test the creation, dissemination and searching capabilities of metadata files using real world data. The ultimate goal of this work is the promotion of statewide data sharing activities in and between Ohio organizations. During Fiscal Year 1998, the Ohio Valley Regional Development Commission, the Miami Valley Regional Planning Commission and the Ohio Department of Development began to create metadata and test the dissemination and searching capabilities of a metadata server. This project will be completed in June of 1999.
- *Metadata Issues* – The Metadata Work Group has been redefined into four task forces. The task forces will focus on the relevant metadata issues, previously identified by the Metadata Work Group. These task forces are: Metadata Server; Metadata Tools; Metadata Outreach and Education; and Metadata Cooperation, Partnerships, Participants. Volunteers are being actively pursued.
- *Participation in the National States Geographic Information Council (NSGIC) Framework Survey* – OGRIP administered the FGDC Framework Survey in Ohio. This Survey focused on GIS activity in Ohio and across the country. OGRIP is cooperating with NSGIC and the FGDC in this survey, the results of which will form the foundation for development of the framework aspect of the National Spatial Data Infrastructure (NSDI).

Communication

Newsletter – OGRIP released two newsletters in Fiscal Year 1998. The OGRIP office is in the process of reviewing the newsletter format to include changes in the design for readability and additional content. In addition, OGRIP is exploring the possibility of a new logo to be introduced in FY99.

Homepage – The homepage or Web site is being reworked for better communication purposes. It is the intent of the OGRIP office for the Web site to be the key mechanism for communicating OGRIP activities. The revised homepage was unveiled in March of 1998. Database development is underway to create a Vendor Profile for searchable components to be completed by March of 1999. Reporting and study format standards have been developed to ensure the easy assimilation of OGRIP initiative results onto the homepage. The OGRIP Annual Reports for 1996 and 1997, minutes, studies, reports and other materials were added to the Web site. The ad-

dress is www.state.oh.us/ogrip on the world wide web.

Educational Opportunities – The OGRIP office developed and maintains a listing of educational opportunities in Ohio, the mid-west and the nation that might be of interest to members. This listing identifies seminars, conferences and training relevant to GIS technology.

Education

Metadata Processing Software Evaluation – OGRIP funded a study on metadata processing tools to support the creation of metadata in Ohio. This study was accomplished in two phases. The evaluation focused on over 30 specific metadata software packages including laboratory testing of the most robust packages. Nine software tools were identified as relevant to Ohio's needs. The results of this evaluation are accessible through our Web site.

Higher Education Curriculum Study – OGRIP funded the study of Ohio universities for the purpose of developing a training curriculum for practitioners of GIS technology. This study report is accessible through our Web site.

Ohio GIS Conference – The Ohio GIS Conference is the premier GIS conference in Ohio and is held annually. The County Engineers Association of Ohio hosts the Conference with OGRIP and five other co-sponsors. OGRIP's involvement and support of this beneficial Conference is extensive. OGRIP participates in both the planning and development of the Conference program. The Ohio GIS Conference is considered the best available means for direct contact with GIS professionals from all parts of Ohio. OGRIP's participation and support continues to be an integral component of the success of this Conference. OGRIP strongly encourages the attendance of OGRIP members to this Conference. At the Information Booth for OGRIP and the GIS Support Center we work to increase awareness of GIS and its potential. This Information Booth serves as a point of education for GIS users in Ohio and vendors in Ohio.

An advantage to Conference involvement is that it allows OGRIP to identify relevant issues affecting governmental organizations and businesses in Ohio. Through this interaction, OGRIP and its members can better understand the issues facing Ohio and can begin to formulate policies and solutions to address these issues. This Conference continues to highlight OGRIP initiatives and to provide a mechanism for communicating OGRIP activities.

Conferences and Presentations – OGRIP is committed to the continuing education of its members and to help educate others. This includes direct OGRIP office involvement, representation and attendance at GIS-specific conferences. OGRIP's continued success is due in part to the involvement and recognition received at these conferences for sharing its vision and direction regarding GIS.

Participation in these conferences increases Ohio presence and ensures OGRIP's involvement in developing solutions to the numerous issues surrounding GIS, its use and implementation. Conference involvement takes place at three distinct and separate levels: national; regional; and local. Continued involvement at these three levels will allow OGRIP to maintain a leadership role in enabling technologies and institutional arrangements and policies to meet geospatial needs in Ohio.

The conferences listed below are the ones the OGRIP staff and members believe are extremely beneficial and have participated in during the fiscal year.

➤ *National Conferences*

Urban Regional Information Systems Association (URISA) – This Conference draws from the urban, county, state, regional and national levels and helps OGRIP maintain an up-to-date awareness and a broader perspective of the issues affecting state, sub-state and local government.

Geographic Information Systems/Land Information Systems (GIS/LIS) – The GIS/LIS conference focuses on the direction of GIS related emerging technologies. Presentations represent a sampling of the research being accomplished by the academic community, such as the testing of new models in various disciplines. Many leadership initiatives grow out of research stimulated by the academic community. The 1997 Conference was held in Cincinnati. The executive director of OGRIP was asked to represent URISA and to serve as the Chair of the GIS/LIS Local Area Committee (LAC). Over 1,700 people attended this conference in late October. OGRIP participants gave several presentations. During the GIS/LIS, the executive director facilitated a four-hour brainstorming session with USGS about how the National Mapping Division of USGS could better serve the states. Representatives from state agencies in Indiana, Kentucky, Ohio, Pennsylvania, West Virginia and Wisconsin provided the states' perspectives and insight to USGS.

National States Geographic Information Council (NSGIC) – NSGIC is the conduit through which the states can address the federal government concerning geospatial policy. The annual NSGIC Conference continues to be a forum where Ohio's voice can be heard and can have an impact on federal and national issues.

➤ *Regional Conferences*

Michigan's IMAGIN Conference – Improving Michigan's Access to Geographic Information Network (IMAGIN) is OGRIP's counterpart in Michigan. Their structure is somewhat different in the sense that organizations pay to be members or participants. This year, for the first time, they are offering participants at the local level to be involved free of charge. IMAGIN holds an annual conference in the spring. The executive director of OGRIP was the opening speaker for the 7th annual IMAGIN Conference in Lansing, Michigan. Michigan has a

great interest in the initiatives and coordinating functions we carry out in Ohio. They were very interested in our involvement and interaction with local government and how applicable Ohio's approach might be in Michigan.

Indiana, Kentucky and Ohio (IKO) 12th Annual Conference – The IKO is a regional chapter of Automated Mapping/Facilities Management (AM/FM) International that focuses on GIS activities in the three-state region. The IKO Conference's emphasis is on private utilities and local government, both regional and local, and reinforces OGRIP's strategy to focus on property parcel activities. This Conference encourages learning more about activities and initiatives of private utilities, regional and local governments. This Conference provides OGRIP access to GIS professionals in neighboring states and allows OGRIP to look beyond its borders to better understand the relationship and impact of GIS activities on our neighbors. The executive director of OGRIP is on the IKO board.

Intergovernmental Technology Conference (ITC) – The ITC is focused on technologies being used by state and local governments across the country, with GIS being a subset of a wide range of beneficial technologies. OGRIP maintains an Information Booth at this Conference to answer questions regarding GIS, to communicate its objectives and to raise awareness concerning its recent activities with state agencies. The majority of attendees are regionally located and this conference provides OGRIP with another opportunity to strengthen its membership and to focus on issues in support of governmental entities.

- *Local Conferences* – Besides the Ohio GIS Conference, OGRIP staff and members continue to attend and make presentations at numerous local conferences and seminars. A few of these include:

Technology Planning Forum – In mid-November, OGRIP facilitated an 1.5 hour session on GIS. The OGRIP Executive Director presented OGRIP's objectives and direction to state agency directors and deputy directors and was followed by Barry Bennett who explained DOD's involvement in and use of GIS. Interest was expressed by several state agencies including the Department of Taxation and the Bureau of Motor Vehicles in working with OGRIP.

County Auditors Association of Ohio (CAAO) Winter Conference – Personnel of the OGRIP office attended the CAAO's Conference and spoke with numerous auditors regarding their GIS initiatives. There is much interest in expanding the CAAO's GIS Committee and in participating with OGRIP.

County Engineers Association of Ohio (CEAO) and County Commissions Association of Ohio (CCAO) Winter Conference – OGRIP office personnel arranged a presentation at this Conference on Year 2000 Compliance and the importance of preparing for this major change.

Workshops and Seminars – In addition to promoting several workshops and seminars across the state, OGRIP sponsored or participated in the following workshops or seminars:

- *GIS Infrastructure Management for Public Works and Utilities* – OGRIP and IKO (the regional chapter of AM/FM) sponsored an educational satellite seminar entitled “GIS Infrastructure Management for Public Works and Utilities.” This seminar was very successful, with over 20 attendees and 30 additional requests for seminar materials.
- *Metadata Satellite Conference* – OGRIP also hosted a Metadata Satellite Conference at two locations in Ohio (Columbus and Kent). The University of Wisconsin, in cooperation with NSGIC, sponsored this seminar. This effort was coordinated with the Metadata Working group and was also successful in that over 50 people participated.
- *Southeast Metadata Seminar* – Upon request, the OGRIP office participated in a metadata seminar in the southwestern portion of the state. The Miami Valley Regional Planning Commission sponsored this seminar. Jean Field and Doug Marvel of OGRIP were the speakers during this half-day seminar.

Outreach Initiatives – Outreach initiatives represent activities OGRIP has participated in to educate personnel of state and local governments and other organizations. The following examples of outreach activities are listed by state and local government and by other miscellaneous activities.

- *State Government* – OGRIP has continued to interact with numerous state of Ohio agencies and departments in order to support GIS related programs and to provide insight about how state institutions can interact better with local government. A few examples of how this state-local interaction has been or can be improved are identified below.

The OGRIP office has been supporting the Real Estate Services office in the General Services Division of the Department of Administrative Services (DAS) in the development of a Real Estate Inventory Program (REIP) for the state of Ohio. The purpose of this program is to identify state owned property and its value throughout the state. This program will have significant interaction with state and local government. The OGRIP office assisted in defining the budget of this program, including the consulting, hardware/software and communication network, conversion services and associated costs. The OGRIP office assisted in the development of an RFP for consulting services for the REIP program.

The OGRIP office and the GIS Support Center have been assisting the Ohio Department of Human Services in initiating a GIS program. The OGRIP office assisted in the development of an RFP for consulting services for this department.

The Base Map Consortium Project, a statewide initiative involving the Ohio Department of Natural Resources (ODNR), Ohio Department of Transportation (ODOT), Ohio Environmental Protection Agency (OEPA), the Ohio Department of Development (ODOD) and OGRIP continues to discuss the development of contiguous geographic coverage of the state of Ohio. This group has been meeting since 1997 and is translating the DLGs into an ARC/INFO format and is focused on developing a consistent base map for state agencies to use. This includes the merging of existing data sets with the DLGs.

- *Local Government* – This fiscal year, the OGRIP office has provided GIS-related information and has interacted with over 40 local government and volunteer organizations. This interaction has ranged from providing GIS contacts and GIS sites to visit as well as participation in GIS meetings. A few examples of our involvement are below.

The OGRIP office has participated in meetings in Wayne County. This participation has included other OGRIP members (Earl Epstein and Jim Dowdy) and has proven beneficial to the Wayne County GIS Council in determining the direction for their GIS initiative regarding ground control and the possible use of digital orthophotography. In support of the development of a countywide GIS program, OGRIP office personnel also met with the Wayne County Auditor and GIS consultants to discuss their continued participation in the Wayne County GIS Council.

The OGRIP office was asked to participate in monthly meetings of the City of Westerville's GIS Technology Group. OGRIP participated in these meetings and provided contacts and insights regarding GIS activities by other cities and municipalities across Ohio. The OGRIP office continues to participate in these meetings.

OGRIP participated in a meeting with several Trumbull county offices and agencies. This meeting was the beginning of a cooperative GIS effort in Trumbull County. Most of the major county offices were represented (Auditors, Engineers, Sanitary Engineers, Data Processing, Planning, etc.). OGRIP identified potential site visits, conferences and contacts for Trumbull County. Trumbull County's GIS initiative is moving forward. They have made suggested visits to nearby counties that have implemented GIS and they are watching Mahoning County (which recently began its GIS initiative with a needs assessment) with great interest. Trumbull County officials asked the OGRIP office to review a proposal for GIS consulting services. This review was accomplished, and suggestions were made.

The OGRIP office was contacted by the Crawford County Auditor to facilitate and educate various participants in a countywide GIS. Participants included representatives from Crawford County and the cities of Galion and Bucyrus.

Two brainstorming sessions were held with Crawford County and the City of Galion on the development of a GIS pilot to begin with orthophotography. The first brainstorming session concentrated on GIS and its implementation with the County Auditor and the County Auditor's staff. The second brainstorming session focused on general issues associated with developing a GIS consortium within the county.

The City of Columbus Public Service Director asked to meet with the OGRIP office to discuss the advantages of OGRIP participation. The City was considering obtaining a one-time data dump of the Franklin County land base and then maintaining these data themselves. The OGRIP Executive Director attempted to dissuade this approach because of its redundancy and inefficiency.

- *Miscellaneous* – The OGRIP office was asked to participate in the development of a bibliography focused on GIS issues for the Urban Regional Information Systems Association (URISA). OGRIP reviewed over 20 articles and provided comments on them.

The OGRIP office was asked to facilitate a national survey sponsored by the National States Geographic Information Council (NSGIC). The survey concentrates on collecting information at the state and local governmental level regarding GIS development that is consistent with the Federal Geographic Data Committee (FGDC)'s *Framework*. The OGRIP staff had an opportunity to review the questions and made suggestions that were incorporated in the final survey. The OGRIP office is facilitating the NSGIC Framework Survey, and to date response to the survey has been good. In return for our involvement, OGRIP has been credited \$1,000 towards a future conference fee.

A standing committee consisting of representatives of state and county governments, the private industry and academia was created to review and comment on the FGDC Draft Content Standards for Digital Orthoimagery. The goal of this review is to provide feedback to FGDC and to evaluate the relevance of the proposed standards for Ohio. It is hoped that federal standard-setting activities will thus benefit OGRIP and orthoimage mapping efforts by the FGDC in Ohio. This review will provide feedback to FGDC and will evaluate the relevance of the proposed standard for Ohio.

Assistance

State of Ohio Geodetic Advisor Program – The State of Ohio Geodetic Advisor Program is jointly funded by the Ohio Department of Natural Resources (ODNR), the Ohio Department of Transportation (ODOT), The Ohio State University Center for Mapping (OSU/CFM) and OGRIP to establish geodetic control throughout Ohio. This project provides much needed technical assistance to all governmental and private organizations, as well as ODNR, ODOT and OGRIP as well as The Ohio State

University's Center for Mapping regarding the planning, coordinating and implementing of pilot projects to continue the development of Multi-Purpose Cadastres. The state's Geodetic Advisor has provided this assistance to Ohio for over eleven years. This program has had and continues to have a significant impact on participating Departments and the surveying community throughout Ohio. The primary purpose of this cooperatively funded program is to establish and maintain good quality geodetic control throughout the state.

Guidelines for Beginning and Sustaining a Cooperative Effort to Build a Land Information System at the Local Level Based upon a Geodetic Reference Framework – This study, commonly referred to as the “Cooperative Guidelines for Geodetic Control in Local Government,” was a research project that involved working with Wayne County in order to develop a guidebook that can be used by other communities. It documents institutional and organizational issues involved in establishing geodetic control and other foundational requisites for developing county compatible data.

Coordination – As discussed above under the Education section, OGRIP has worked with numerous entities across the state. In working with these entities and participating in educational activities, the seeds of coordination are sown. Examples of this coordination are evident in activities in Allen, Crawford, Columbiana, Franklin, Madison, Richland, Trumbull and Wayne Counties and in cities such as Columbus, Mansfield and Westerville. This interaction increases the knowledge of OGRIP participants about GIS activities in the state and provides a mechanism to better understand statewide GIS initiatives. The ability of OGRIP to meet its goals related to coordination increases as OGRIP's educational services are expanded.

- *Participant Roster* – An OGRIP participant roster with contact information has been printed and is available through our Web site as well as from the OGRIP office.
- *OGRIP Calendar and Meeting Schedule* – The OGRIP office has developed the OGRIP Calendar that identifies OGRIP meeting dates and conferences or seminars of interest to Ohioans. This has been distributed to OGRIP participants for comments and modification. The OGRIP office attempts to finalize the meeting schedule for each coming year at the December Forum of the preceding year. The calendar is accessible through our Web site and the OGRIP office.
- *Contact List for Geospatial Data Sets* – The OGRIP office updated the 1996 listing of data contacts and sources and expanded this publication to include an abstract for each available data set. This list of contacts was expanded from 31 to 39. This listing is accessible through our Web site.

The OGRIP office also reviewed and commented on Requests for Proposals (RFPs) at the request of numerous counties.

The OGRIP office has met with the County Engineers' Association of Ohio and the Professional Land Surveyors of Ohio. These associations are considering developing Global Positioning Systems (GPS) guidelines for Ohio. OGRIP has agreed to assist in this process. Additionally, OGRIP has agreed to reprint the Geodetic Control Guidelines originally published in 1992 by the County Engineers' Association of Ohio and endorsed by the OGRIP Council and Forum.

Finances



In Fiscal Year 1998, OGRIP received \$383,991.00 through the Department of Administrative Services (DAS) from the General Revenue Fund, an increase of \$17,660.00 from the previous year's budget. This funding supported the operations of the OGRIP Office and the initiatives summarized in this Annual Report that are identified on the next page. Generally, this funding was used to support the following:

OGRIP office:

- Streamlined office procedures (processes, Year 2000 compliance, etc.)
- Executive Director
- Coordinator
- Secretary, and
- Intern (salary only)

Involvement in new leadership initiatives:

- Continuation, management of the NDOP (Digital Orthophoto Quarter-Quads)
- Standards and Guidelines Review for Local Government
- Metadata Software Evaluation
- Metadata Pilot

Continuation of communication and education through:

- Newsletter
- Homepage
- Sponsorship of seminars
- Participation in local, regional and national conferences

Ongoing and continued assistance to state of Ohio and local government agencies:

- Contribution to the state of Ohio Geodetic Advisor Program
- Meeting involvement and facilitation

To support the State of Ohio's participation in the National Digital Orthophoto Program (NDOP), OGRIP/DAS developed a Special Rotary Fund to consolidate and distribute Ohio's funding obligation to USGS. This amounted to the coordination and management of the funding responsibilities of three state agencies in Fiscal Year 1998 for a total of \$197,000.00.

These activities brought OGRIP's funding to a total of \$580,991.00 for fiscal year 1998.

Unexpended funds for FY98 were higher than expected and totaled approximately \$64,500.00. The majority of unexpended funds was due to excess funds in payroll (due the retirement of the OGRIP Coordinator) and unexpended funds earmarked for office renovations. The budgeted renovations were for physically connecting the OGRIP Office and the GIS Support Center. The office renovations were consolidated with other SOCC renovations for cost effectiveness and were rescheduled for next fiscal year.

**OGRIP Related Finances
FY 1998**

Funding

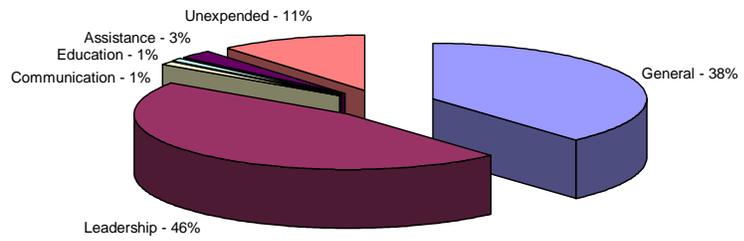
General Revenue Fund		\$383,991.00	66%
Special Rotary Fund		\$197,000.00	34%
	Total	\$580,991.00	

Expenditures

General		\$222,220.27	38%
Payroll	185,344.36		
Administrative Support	13,727.75		
Office Expenses	17,124.77		
Travel	6,023.39		
Leadership		\$268,279.00	46%
Digital Orthophoto Quadrangles	197,000.00		
Standards	49,921.00		
Metadata Software, Phase 1	2,500.00		
Metadata Software, Phase 2	9,698.00		
Metadata Pilot	9,160.00		
Communication		\$ 6,408.20	1%
Newsletter and Printing	6,408.20		
Education		\$ 5,460.97	1%
Seminar Fees	4,794.00		
Other	666.97		
Assistance		\$ 14,167.00	3%
Geodetic Advisor Program	14,167.00		
Unexpended		\$ 64,455.56	11%
	Total	\$580,991.00	

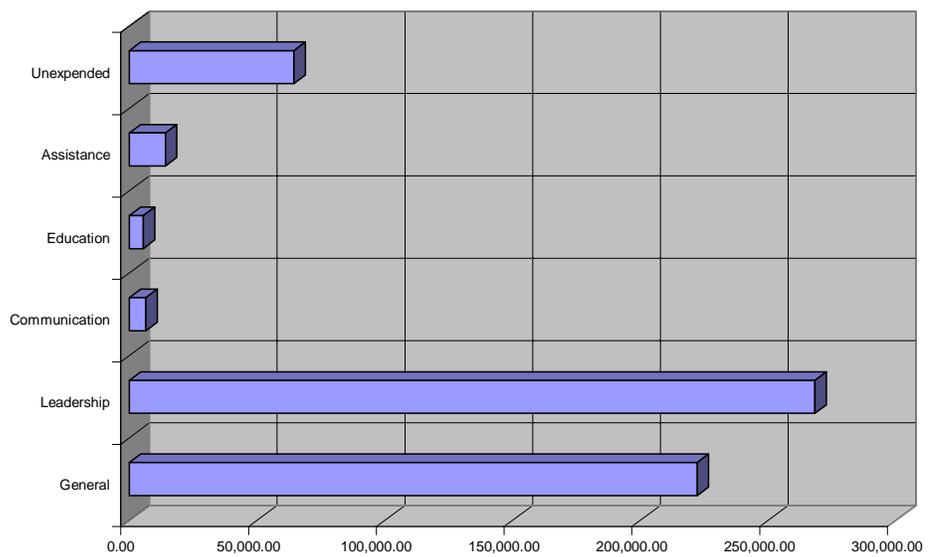
OGRIP Expenditures FY 1998

Pie Chart



OGRIP Expenditures FY 1998

Bar Chart



The Future



The benefits of OGRIP's strategic plan have been far reaching. The strategic plan has enabled OGRIP to concentrate and target efforts on specific objectives, short and long-term goals. It also provides the ability to enact change over a period of time and to channel activities along the lines of Leadership, Communication, Education and Assistance.

OGRIP will continue its leadership role by expanding Council participation to allow for more representation from local agencies and regional organizations. This will allow for the Council to more adequately represent all perspectives and issues affecting Ohio. OGRIP will continue to work closely with the existing efforts of the GIS Support Center, ODOT, ODNR, ODAS, ODOD and the OEPA in defining statewide core data sets and maintenance responsibilities for the development of a statewide base map.

OGRIP continues to search for efficient and effective ways to communicate. In the coming year, OGRIP will elevate its role as communicator of GIS activities and opportunities across the state through the Internet and our Web site. OGRIP continues to improve its mailing lists and is moving toward electronic distribution of all notifications of meetings. We continue to improve the format of our monthly Forum meetings and have instituted a presentation on GIS and related topics as a part of each meeting. We are also actively pursuing the identification of a point of contact for GIS in all counties and to increase communication at and among all levels of government.

Our education efforts will also grow and be enhanced by more presentations to county associations and at regional meetings. We will actively pursue closer interaction with the Ohio General Assembly. OGRIP will begin a concerted effort to provide a better understanding of the impact and benefits of various types of analysis that are made possible by the application of GIS technology on legislative initiatives.

Through meetings and publications OGRIP has continued to inform GIS users throughout Ohio about the importance of metadata. The creation of metadata (data documentation) will provide a mechanism for better use and analysis of data and for increasing data sharing in Ohio. Ongoing education and outreach will continue and increase with an OGRIP Coordinator in place.

From an assistance standpoint, OGRIP is developing vendor profiles to educate organizations on GIS-related services provided in Ohio from the private sector. We will also focus on supporting the creation and distribution of small-scale data sets by providing data in a more usable format in Ohio. OGRIP will work with the GIS Support Center on the distribution of DLGs and management of the DOQs for Ohio. We are beginning to conduct research on how to serve as Ohio's distribution point for the FGDC/USGS data sets of which two key data components are the DLGs and DOQs. We will be standardizing these geospatial data sets and ensuring consistency among their formats to facilitate easier distribution of these data sets.

Finally, OGRIP will continue to communicate the importance of geographic information and the need for data sharing. When doing this, emphasis will be placed on OGRIP's role as a focal point of communication, coordination and cooperation.

Appendices



List of Appendices:

Strategic Plan Summary	Appendix A
Participants	Appendix B
Publications.....	Appendix C

Appendix A



OGRIP Strategic Plan Summary

Much has changed over the last ten years regarding geographically referenced information and the development of GIS programs. Changes in GIS technology have decreased the cost of data capture as well as the time necessary to implement it. GIS development has become increasingly prevalent throughout state and local government, as well as the private sector. GIS implementation appears to no longer be an issue of “if,” but rather “when.”

In most organizations, GIS development has focused on a particular application or “mandated” need. This single-purpose GIS is viewed from one perspective - the mandated needs of the implementing agency. With advanced planning and coordination, these programs can be developed to provide a foundation on which others may build. This foundation refers to the importance of sound geodetic control, the use of imagery and cadastral data as a foundation for numerous activities at state, regional and local levels. With additional planning and input from organizations before implementation, additional data can be cost effectively captured to provide more functionality. The starting point for GIS planning must be one of developing a community or shared resource for the benefit of all.

The true benefits of GIS technology are realized when GIS data are a shared resource and integrated into the daily operations across an entire organization. To fully embrace GIS technology, a vision for a community resource toward GIS planning, development, and implementation must become more prevalent for Ohio.

To support these ideas, the OGRIP Council articulated the major goals and short and long term objectives for OGRIP in the form of a strategic plan. The purpose of this plan is to define OGRIP’s direction and ensure continuity within and between OGRIP funded projects, consistent with its mandated direction. This plan charts a course to strengthen the spatial data infrastructure in Ohio over the next several years. The intent of this plan is to instill a strategic view of cooperative GIS initiatives throughout the state. Within the context of this plan, this view represents “Ohio” from a community perspective.

The strategic plan has the following objectives:

- define a strategic direction and approach for coordinating geographic data development in Ohio,
- foster an enterprise-wide or community resource perspective regarding GIS development,
- educate members about GIS, OGRIP and issues facing Ohio regarding geospatial data and data sharing, and
- establish OGRIP as the recognized leader and coordinator for GIS activities for Ohio.

It is the hope of the OGRIP Council and Forum that this plan develops the foundation for the future creation of a comprehensive program for geographic data development,

usage and the sharing of this data. It represents the initial step in identifying and formulating a comprehensive approach to geographic data development to better prepare for Ohio's future.

There are five goals associated with the OGRIP Strategic Plan for achieving its vision and mission:

- 1. Develop a comprehensive program plan for geographic data development and usage for Ohio.** OGRIP will develop a comprehensive program for geographic data development in the state of Ohio. OGRIP will position itself in the forefront of a statewide effort focused at the state, regional and local levels for geospatial data development using the National Spatial Data Infrastructure (NSDI) *Framework* as a guideline.
- 2. Support and facilitate geographic data sharing among state and local governments, the private sector, academia, and the public in Ohio.** OGRIP will continue to focus on the tools required for data sharing, such as: identifying standards and procedures to support the sharing of data, supporting the creation of standardized description (metadata) of data, establishing and using common formats for verifying and updating the larger amounts of data resulting from the work of multiple groups.
- 3. Foster meaningful and continuing communication for GIS in Ohio.** OGRIP will continue to provide a communication mechanism to apprise organizations of GIS projects/programs and/or data that are available to assist them. Through communication, OGRIP will provide coordination and consistency in and between GIS initiatives throughout the state.
- 4. Encourage enterprise-wide perspective among the public and private participants of the GIS community in Ohio.** OGRIP will assist in fostering an "enterprise-wide" vision for Ohio. "Enterprise-wide" refers to acting as a single unit, each section or department working in concert with each other, and implies developing "corporate" or community resources beneficial to an entire organization or entity. OGRIP must instill this vision within state, regional and local government and the private sector to increase analytical functionality and maximize the benefits associated with GIS.
- 5. Promote GIS as an analytical tool supporting problem solving and decision making in Ohio.** GIS has not reached its full potential as an analytical tool in most entities across the country. It is still used as a mapping and facilities management tool supporting inventory and location type applications. As more geographic data becomes available, additional tools will be needed to provide an understanding of this data, its limitations and its applicability for certain uses. It is imperative that Ohio prepares for the coordinated distribution of this geographic data and support the future analysis of this data.

Objectives

There are numerous objectives identified to support these goals, ranging from more local government representation on the Council to defining appropriate funding

mechanisms to support coordinated GIS development and from the adoption and endorsement of standards and guidelines to continue developing statewide data sets. Other objectives focused on standards and guidelines endorsement, metadata initiatives, clearinghouse activities, and educational venues.

The OGRIP Strategic Plan supports the continuation of encouraging cooperative efforts between federal, state, regional and local government, and the private sector to support the more effective development and use of enabling technologies such as GIS.

Besides describing the goals and objectives in further detail, the strategic plan also restates OGRIP's Mission, Vision and how OGRIP was created. It defines OGRIP's existing organizational structure and provides an overview of OGRIP's guiding principles. We encourage your review and comment.

For a copy of the OGRIP Strategic Plan, please contact the OGRIP Office or access the OGRIP website at www.state.oh.us/ogrip/strategic.htm.

Appendix B



Participants

Council:

Jim Dowdy OGRIP Forum Chair
Phil Honsey City of Galion, represents local government
Jim McQuirt Ohio Department of Transportation
Jim Morris Ohio Department of Natural Resources
Bruce Renz American Electric Power, represents utilities
Steve Scoles Ohio Environmental Protection Agency
Mark Salling Cleveland State University, represents universities
Ron Vidmar, Chair Ohio Department of Administrative Services

Office Staff:

Stuart Davis Executive Director
Jean Field Coordinator
Saundra Marcum Secretary

Forum Officers:

Jim Dowdy OGRIP Forum Chair
Gene Hinterscheid OGRIP Forum Vice Chair
Kathleen Sherman OGRIP Forum Secretary
Cheri Donofrio OGRIP at-large member
Robert Vertrees OGRIP at-large member

Forum:

Ann Bardwell GIS Support Center
Dora Bechtel Excel Management
Richard Beck Miami University
Ron Bell Burgess & Niple, Ltd.
David Blackstone Department of Transportation
John Bossler Retired
Jane Brooks City of Dayton
Earl Burkholder Global CoGo, Inc.
Gerald Cardwell Environmental Protection Agency
Steven Carter Sciota County Economic Dev.
Matthew Caudill Department of Natural Resources
Joe Cencia Ohio Utilities Protection Service
Wenqin Chen Mid Ohio Regional Planning Comm.
Jerome Conley Miami University
David Conner Ohio Geodetic Advisor
Eric Cordle Ohio State University/Center for Mapping
David Crecelius Department of Natural Resources
Barbara Curtiss Fairfield County Auditor
Stuart Davis OGRIP
Don Diurba Excel Management

Cheri Donofrio Mahoning County Auditor's Office
 Jim Dowdy Retired
 Kevin Edward City of Dayton
 Shoreh Elhami Delaware County Auditor's Office
 Earl Epstein Ohio State University
 J Feuquary USGS/EROS Data Center
 Jean Field OGRIP
 Bob Foster Hockaden & Assoc.
 Keith Fournier Lucas County Auditor's Office
 Eric Frayer Miami University
 Tom Hackstedde Ohio Utilities Protection Service
 Phil Heikkila Transmap Corp.
 Chris Hermann City of Dublin
 Dan Hickman Licking County Commissioners Office
 Matt Hilliard City of Westerville
 Gene Hinterscheid Franklin County Auditor's Office
 Shelley Iulianelli Department of Administrative Services
 Todd Jackson City of Delaware
 James Jennings, Jr. James M. Jennings Assoc.
 James Jennings, Sr. City of Delaware
 Bill LaRocque Intergraph Corp.
 James Lein Ohio University
 Maureen Lorenz Columbus Recreation & Parks
 Cliff Lovin Woolpert, LLP
 Michael Marcis Mahoning County Auditor's Office
 Sandra Marcum OGRIP
 Doug Marvel Miami Valley Regional Planning Comm.
 Bob McLaughlin Plan Graphics
 Jim McDonald Department of Natural Resources
 Nelson McLarkey Department of Administrative Services
 Harold Moellering Ohio State University
 Dallas Morlan Columbus State Community College
 Mark Morrill Ohio Emergency Mgmt. Agency
 Donna Oxenrider Department of Administrative Services
 David Pearson Franklin County Engineer's Office
 David Pleva NASA Lewis
 Bruce Quirk USGS/EROS Data Center
 Jim Nimz Seneca County Engineer's Office
 Calvin Ramos NASA Lewis
 Craig Roberts Montgomery County Auditor's Office
 Jennifer Robertson Precision Concepts
 Pari Sabety Ohio State University/Super Computer Center
 Mark Salling Cleveland State University
 Bob Schlabig Universal Systems, Inc.
 Rob Schmidley Department of Development

George Schutt American Electric Power
Jesse Scott City of Columbus
Shannon Sellards Department of Natural Resources
Kathleen Sherman Ohio Valley Regional Planning Comm.
Paula Stevenson Ohio State University/Center for Mapping
Ed Tester OMEGA
Margaret Theibert Department of Administrative Services
Larry Troyer Wayne County Auditor's Office
Bob Vertrees Ohio State University
Anne Wanner City of Dublin
Mark Webber Transmap Corp.
Lane Wood GIS Support Center

Appendix C



Publications

Reports:

- Curriculum Study
- Large Scale Features Classification
- Local Government Survey
- Metadata Software Evaluation
- Strategic Plan

Newsletter:

- *Spring 97* - The main article discusses the preliminary findings of the Ohio Digital Orthophotography Project (ODOP) Study. This article by Robert Schmidley, OSU Center for Mapping, details the definition of a orthophoto as well as presents the status of the study.
- *Winter 98* - The Large Scale Features Classification Project, a very important initiative of OGRIP's, was discussed in detail. The article outlined the status of the project as well as some of the projects initiatives. Additionally, the Year 2000 compliance issue was discussed in detail.

Miscellaneous:

- *Web site Start-up* - The official Web site for OGRIP began during this fiscal year. In addition to general information about OGRIP, the Web site contains links to various reports and initiatives created by OGRIP. In the next fiscal year, we will be updating the design and use of the Web site in more detail. Please visit the Web site at www.state.oh.us/ogrip.

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**Bob Taft
Governor**

**C. Scott Johnson
Director**