

Appendix B:

Information and Technical Support

This guide is intended to assist local governments with information and data collection for comprehensive planning. It offers suggestions on what information may be needed and where it might be found.

Typical information necessary to conduct an analysis of a county's or township's existing conditions can be obtained from many sources, although the availability of information and resources may vary by county or township.

Many of the information sources, such as floodplain maps, utilities maps, or budget documents may be available in a local government office (administration, planning, public works, assessor, etc.) or a public library. Alternative local providers of information are soil and water conservation districts (SWCDs), Consolidated Farm Service Agency (CFSA) offices, county offices of Michigan State University Extension (MSUE), regional development commissions, school districts, public utilities and service providers (for example, school districts and public utilities often collect demographic information to develop demand projections), and chambers of commerce. Additionally, sporting goods or outdoor equipment stores often carry United States Geological Survey (USGS) maps.

Where local sources are unavailable, regional or state offices of agencies may be able to supply the information. Following the tables of information sources by subject area is a directory of statewide resources (information/data providers, information and technical assistance, and research tools).

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NATURAL ENVIRONMENT

Type of Information to Collect	Potential Information Sources	Providers
Floodplains	Federal Emergency Management Administration (FEMA) Floodplain or Flood Insurance Rate Maps	Local administrative offices, Libraries, FEMA, NRCS
Climate	Climatological records	County extension offices, radio and television stations, DNR Climatological Unit, Michigan State University Agricultural Weather Office, NOAA
Topography	USGS maps	Local administrative offices, Libraries, retail stores, MIRIS, DEQ Geological Survey Division, USGS, MUCC, NRCS
Surface water and watersheds	Watershed maps	Local administrative offices, Libraries, MIRIS, MUCC, USGS, NRCS
Wetlands and Protected Waters	National Wetland Inventory (NWI) maps Protected Water Inventory (PWI) maps Local inventories	Local administrative offices, Libraries, MIRIS, USGS, NWI, NRCS
Groundwater	Groundwater maps	SGDB, USGS, IWR
Geology	Geologic maps	DNR Real Estate Division, USGS, DEQ Geological Survey Division
Soils	Soils survey and other soil maps	Local administrative offices, Libraries, MIRIS, NRCS
Vegetation	Land use/land cover maps	Local administrative offices, MIRIS, MUCC, NRCS

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HUMAN-MADE ENVIRONMENT: PUBLIC

Type of Information to Collect	Potential Information Sources	Providers
Transportation	Road classification maps State highway maps Regional transportation plans	Local public works and planning offices, Libraries, railroad companies, Michigan Department of Transportation
Sewer Water Drainage Solid Waste	Utility maps Utility master plans Capital improvement programs Drainage maps USGS maps Field surveys, inventories Interviews with service providers	Local public works and planning offices, Libraries, USGS, IWR, MIRIS
Emergency and Public Safety Schools Parks and Recreation Libraries and Public Buildings	Local government budget documents Master plans Field surveys, inventories Interviews with service providers Tourism maps and guides	Local administrative, public works and planning offices, Libraries, Chambers of Commerce
Historical/Archeological Resources	Publications, maps, inventories, historical documents	Local historical societies, MHS

HUMAN-MADE ENVIRONMENT: PRIVATE

Type of Information to Collect	Potential Information Sources	Providers
Land Use Inventory: Residential: single family Residential: duplex Residential: multiple family Commercial Warehouse Industrial Civic/Institutional Forested land Vacant/ undeveloped Agricultural: crop production Agricultural: animal production Agricultural support	CFSA/SWCD aerial photography DNR aerial photography LMIC land cover/land use maps (digitized and non-digitized) Assessors maps/records Field surveys, inventories Topographical maps Satellite imagery	Local administrative and planning offices, USGS, MIRIS, DEQ Geological Survey Division, NRCS
Historical/Archeological Resources	Publications, maps, inventories, historical documents	Local historical societies, MHS

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POPULATION CHARACTERISTICS

Type of Information to Collect	Potential Information Sources	Providers
Population Size <ul style="list-style-type: none"> • Number of People • Number of Housing Units • Number of Households Population Composition <ul style="list-style-type: none"> • Age • Race • Income • Education Population Distribution (density analysis) Housing trends, tenure and distribution Population Projections (20 years)	U.S. Census Bureau Publications (City and County Data Book, Census of Population and Housing) Michigan annual population estimates (cities and townships) State Demographer <ul style="list-style-type: none"> • Population • Households Michigan population projections (county level, every ten years) State Demographer	Local administrative offices, Libraries, School districts, Public utilities, U.S. Census Bureau, Michigan Information Center

ECONOMIC/EMPLOYMENT

Type of Information to Collect	Potential Information Sources	Providers
Existing economic conditions Employment by industry type (Standard Industrial Classification) Unemployment Rates (Existing and Historical) Labor Force Estimates by Occupation Group Econometric and Employment Projections	U.S. Census Bureau data County Business Patterns Census of Manufacturing, Business, Wholesale Trade, and Selected Services Economic Report to the Governor (Economic Resource Group)	Local administrative offices, Libraries, Michigan Jobs Commission, U.S. Census Bureau
Tax Base Data	Assessors records	Local assessors' offices
Land and Improvements by Land-Use Type (Residential, Commercial, Industrial, Agricultural)	Land use survey (see Human-Made Environment: Private, above)	see Human-Made Environment: Private, above

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DIRECTORY OF RESOURCES

State or Regional Information Sources

Michigan Department of Environmental Quality (DEQ)

PO Box 30457

Lansing, MI 48909-7957

<http://www.deq.state.mi.us>

Executive Division: 517-373-7917

Office of Administrative Hearings:

517-335-4226

Special Assistant to Southeast Michigan:

313-953-0241

Environmental Assistance Center:

1-800-662-9278

Pollution Emergencies: 1-800-292-4706

The DEQ's mission is to drive improvements in environmental quality for the protection of public health and natural resources. Within the DEQ, there are ten divisions each specializing in a particular resource or land issue. DEQ field offices should be contacted for local and regional assistance.

- **Air Quality Division**

The Air Quality Division works to help maintain compliance with statutes that minimize adverse impacts on human health and the environment through air emission control programs, air monitoring, control strategy planning, permit issuance and inspection of air emission sources. Contact: Air Quality Division, 106 W. Allegan, Hollister Bldg., 4th Fl., Lansing, MI 48933, phone: 517-373-7023

- **Drinking Water and Radiological Protection Division (DWRPD)**
The DWRPD's programs service areas such as public and private water supplies, subdivisions, on-site sewage, campgrounds, public swimming pools, mobile home parks, medical waste, dry cleaning and radiological health. Within the DWRPD are the Laboratory Services Section, the Environmental Health Section, the Community Water Supply Section, the Ground Water Supply Section, and the Radiological Protection Section. Contact: Drinking Water and Radiological Protection Division, 3423 Martin Luther King Blvd., Lansing, MI 48909, phone: 517-335-9218
- **Environmental Assistance Division**
The Environmental Assistance Division (EAD) provides information and assistance to the public on technical compliance issues, pollution prevention, waste reduction, clean air, innovative technology, and site redevelopment. Financial assistance is available for certain projects. Contact: Environmental Assistance Division, 333 S. Capitol, Town Center, 2nd Fl., Lansing, MI 48933, phone: 517-335-2419
- **Environmental Response Division**
The Environmental Response Division (ERD) oversees programs that govern and fund the cleanup and revitalization of contaminated sites. ERD oversees state-funded cleanups and provides technical and financial

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assistance to local units of government for local cleanup and redevelopment projects.
Environmental Response Division,
300 S. Washington, Knapps Centre,
1st Fl., Lansing, MI 48933, phone:
517-373-9837

Program and Site Cleanup Funding
Information: 517-373-4800

Site Reclamation, Site Database:
517-373-9540

Toxicology, Environmental Criteria,
Innovative Cleanup Treatment
Technologies: 517-335-4958

Geological Services: 517-373-0907

Superfund Program: 517-373-8815

Liability Issues, Cost Recovery:
517-373-7818

Baseline Environmental Assessment (BEA),
Due Care Responsibilities: **contact field
offices**

Laboratory Services: 517-335-9800

- Geological Survey Division (GSD)
The GSD encourages conservation and protects natural resources such as fossil fuels, minerals and groundwater by promoting the wise development of mineral and energy resources. GSD provides information such as topographic and geologic maps, and records of oil, gas and water wells, core and drilling samples. Contact:

Geological Survey Division
735 East Hazel Street
Lansing, MI 48912
517-334-6907

- Land and Water Management Division
The Land and Water Management Division protects Michigan's sensitive land and water boundaries. Development and construction activities on the Great Lakes, inland lakes and streams, floodplains, wetlands and sand dunes are reviewed to minimize environmental destruction and protect the public health and safety, while maintaining compliance with environmental statutes. Contact:

Land & Water Management Division
503 W. Allegan, Mason Bldg, 5th Fl.
Lansing, MI 48933
517-373-1170
- Office of the Great Lakes (OGL)
The OGL was established to recognize the special relationship Michigan has with the Great Lakes, and is the lead agency within state government to develop policies and programs that protect, enhance and manage the Great Lakes. The OGL addresses water diversions, binational agreements, the Michigan Great Lakes Protection Fund and environmental education. Contact:

Office of the Great Lakes
106 W. Allegan
Hollister Bldg., 6th Fl.
Lansing, MI 48933
517-335-4056

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- Surface Water Quality Division (SWQD)

The SWQD protects and enhances the water quality of lakes, rivers and streams in Michigan. SWQD develops water quality standards, conducts water quality assessments and controls discharges to the surface water through permits, investigation of complaints and response to accidental releases. When necessary, SWQD develops plans and strategies to bring water quality back up to standards and works with communities to assure that municipalities construct and maintain adequate wastewater collection and treatment facilities. Information is also provided to promote awareness of non-point source pollution and on the use of controls to protect and enhance the surface water quality. Contact:

Surface Water Quality Division
300 S. Washington, Knapps Centre,
2nd Floor
Lansing, MI 48933
517-373-1949

- Underground Storage Tank Division (USTD)
The USTD protects the public, environment and natural resources from leaking underground storage tanks through education, prevention, remediation and compliance activities. USTD registers underground storage tanks and oversees corrective actions at sites contaminated by leaking tanks.
Contact:

Underground Storage Tank Division
333 S. Capitol, Town Center, 2nd Fl.
Lansing, MI 48933
517-373-8168

- Waste Management Division (WMD)

The WMD administers preventative programs by controlling the discharge of hazardous and non-hazardous waste into the environment. This includes the management and disposal of hazardous, liquid industrial and solid waste, scrap tires, wastewater discharges to the groundwater, and land application of materials beneficial to the soil. Disposal facilities and transports are permitted, licensed or registered through WMD. In addition, WMD provides funding for the collection of abandoned scrap tires and agricultural pesticides. Contact:

Waste Management Division
608 W. Allegan, Hannah Bldg
1st Floor
Lansing, MI 48933
517-373-2730

- District and Field Offices:

Marquette District Office
1990 US 41 South
Marquette, MI 49855
906-228-6561

Baraga Field Office
427 US 41 North
Baraga, MI 49908
906-353-6651

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Crystal Falls Field Office
1420 US 2 West
Crystal Falls, MI 49920
906-875-6622

Newberry Field Office
Rt. 4, Box 796
Newberry, MI 49868
906-293-5131

Gaylord Field Office
1732 West M32, PO Box 667
Gaylord, MI 49735
517-732-3541

Cadillac District Office
120 West Chapin St.
Cadillac, MI 49601
616-775-9727

Grayling Office
1955 N. I-75 BL
Grayling, MI 49738
517-348-6371

Saginaw Bay District Office
503 N. Euclid Ave., Suite 9
Bay City, MI 48706
517-684-9141

Grand Rapids District Office
245 Colrain S.W.
Wyoming, MI 49548
616-246-1720

Jackson District Office
Jackson State Office Building
301 E. Louis Glick Highway
Jackson, MI 49201
517-780-7900

Southeast MI District Office
38980 Seven Mile Road
Livonia, MI 48152
313-953-8905

Shiawassee District Office
10650 S. Bennet Dr.
Morrice, MI 48857
517-625-4600

Plainwell District Office
1342 SR-89 West, Suite B
Plainwell, MI 49080-1915
616-692-2120

Statewide Groundwater Data Base (SGDB)

Geological Survey Division
Department of Environmental Quality
PO Box 30256
Lansing, MI 48909-7756
517-241-1366

The SGDB Project is an ongoing effort to automate the water well records for the state. The data base is compiled from the Michigan Department of Environmental Quality Water Well and Pump Records. In addition to the construction and geology information provided by the driller, each record in the data base contains a verified location, X and Y coordinate, a tax parcel number (if available), and a Mean Sea Level elevation.

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Michigan Department of Natural Resources (DNR)

PO Box 30028
Lansing, MI 48909
<http://www.dnr.state.mi.us>

Environmental Assistance Center Help Line:
517-373-9400 or 1-800-662-9278
PEAS Hotline (Pollution Emergency Alerting System) : 1-800-292-4706
Wildlife Information : 517-373-WILD

The Department of Natural Resources is responsible for the stewardship and management of natural resources and provision of recreation opportunities. The Real Estate Division houses a long list of mapping information. DNR field offices should be contacted for local and regional assistance.

Divisions and Offices

Fisheries: 517-373-1280
Forest Management: 517-373-1275
Law Enforcement: 517-373-1230
Litigation and Program Services:
517-373-3503
Management Information:
517-373-9510
Parks and Recreation: 517-373-9900
Real Estate: 517-373-1250
Wildlife: 517-373-1263

- Field Headquarters and Districts

Upper Peninsula Field Headquarters
1990 US 41 South
Marquette, MI 49855
906-228-6561

District 1
427 US 41North
Baraga, MI 49908
906-353-6651

District 2
1420 US 2 West
Crystal Falls, MI 49920
906-875-6622

District 3
6833 US 2, 42 and M35
Gladstone, MI 49837
906-786-2351

District 4
Rt. 4, Box 796
Newberry, MI 49868
906-293-5131

District 5
1732 West M32, PO Box 667
Gaylord, MI 49735
517-732-3541

District 6
120 West Chapin St.
Cadillac, MI 49601
616-775-9727

District 7
191 South Mt. Tom Road, Box 939
Mio, MI 48647
517-826-3211

District 8
503 N. Euclid Ave., Suite 1,
Bay City, MI
517-684-9141

District 9
State Office Building, 6th Floor
350 Ottawa NW
Grand Rapids, MI 49503
616-456-5071

District 10
38980 7 Mile Road
Livonia, MI 48152
313-953-0241

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District 11
10650 S. Bennet Dr.
Morrice, MI 48857
517-625-4600

District 12
621 N. Ten St., PO Box 355
Plainwell, MI 49080
616-685-6851

Michigan Resource Information System (MIRIS)

MDNR, Real Estate Division
PO Box 30448
Lansing, MI 48909-7948
517-373-2534
<http://www.dnr.state.mi.us/www/red/miris/red.htm>

MIRIS is a project of the DNR's Real Estate Division and provides a land resource and current use inventory in the State and technical assistance on its use to municipalities, counties, and state government planning and resource management entities. It is the largest inventory of both aerial photographs and statewide geo-referenced data layers in Michigan. MIRIS also provides extensive computer mapping (data layer production) and geographic information system (GIS) applications, database development, training and related services to governmental agencies and the private sector. These services are on a cost recovery basis.

Michigan Department of Agriculture (MDA)

PO Box 30017
Lansing, MI 48909
Phone: 517-373-1104
<http://www.mda.state.mi.us>

From inspecting grocery stores and pet shops to testing the quality of gasoline and animal feed to serving in partnership with growers as stewards of Michigan's land and water resources, the Michigan Department of Agriculture serves the needs of consumers and the agricultural industry.

- **General Information:**
1-800-292-3939
The General Information line may be used in non-emergencies to reach any of the department's offices. Callers who know the division/person they wish to contact may call that division directly.
- **Environmental Stewardship Division:**
517-241-0236
- **Office of Agricultural Development (OAD):** 517-241-2177
The OAD seeks to improve the economic and environmental sustainability of Michigan's food and agriculture industry by strengthening and enhancing food and agriculture support businesses and production agriculture opportunities.
- **Agriculture Pollution/Spills Hot Line:**
1-800-405-0101
This 24-hour hot line should be used for reporting accidental agricultural pesticide, fertilizer and manure spills. It is designed to improve response time and provide appropriate technical assistance, reducing the environmental risk associated with an agricultural chemical spill. (Chemical spills not

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agriculture-related should be referred to the Michigan Department of Environmental Quality's Pollution Emergency Alerting System (PEAS) number, 1-800-292-4706.

- **Other Emergencies: 517-373-0440**
This number should be used mainly by agriculture producers and food retailers who have experienced damage or loss of crops and products through drought, flood, fire, etc. In the event of reportable animal disease outbreaks or accidental nuclear contamination/leaks, this number should also be used. In many cases, MDA works with producers to obtain federal disaster assistance, and with retailers to inspect products for possible salvage.
- **Motor Fuels Quality Hot Line: 1-800-MDA-FUEL (1-800-632-3835)**
This number is used for reporting suspected adulteration of motor fuels or pump calibrations. It is posted on the pumps at every filling station in the state.
- **MDA Climatology**
MDA Climatology is a service of the Michigan Department of Agriculture's Farmland Services Division and Michigan State University's Department of Geography. Historical climatology data tables are available for any Michigan county of interest. Available tables represent data from the 1951-1980 time period. (see

Michigan State University's Agricultural Weather Office)

- **Michigan Right to Farm "Generally Accepted Agricultural and Management Practices"**
For a copy of the Michigan Right to Farm "Generally Accepted Agricultural and Management Practices (GAAMPS)", contact the Michigan Department of Agriculture's Environmental Stewardship Division, Michigan State University Extension, your local Soil Conservation District, or the Michigan Farm Bureau. If you have any questions or concerns about a particular farm operation, contact the MDA.

Michigan Historical Center

717 West Allegan Street
Lansing MI 48918-1800
517-373-3559
TDD 1-800-827-7007
<http://www.sos.state.mi.us/history/history.html>

- **State Archives of Michigan**
With documents dating back to 1797, the State Archives of Michigan houses much of Michigan's recorded heritage. More than 80 million state and local government records and private papers, 300,000 photographs, 500,000 maps and materials on other media, such as film and audio tapes, are available for public research. The archives' holdings are particularly valuable in tracing genealogy, legislation, land surveys, military service and governmental policy on

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mental health, public health, education, labor, welfare and corrections.

- **Office of the State Archaeologist**
For more than twenty years the Office of the State Archaeologist has investigated, documented and protected more than 14,000 land-based archaeological sites in Michigan. The office maintains the state archaeological site file and artifact collected from state lands. It also reviews diverse state and federal projects to determine their potential impact on Michigan's archaeological resources.
- **State Historic Preservation Office**
Established in response to the National Historic Preservation Act of 1966, the State Historic Preservation Office (SHPO) identifies, evaluates, registers, interprets and protects Michigan's wealth of historic properties, from significant buildings to shipwrecked vessels. The SHPO provides communities and preservation organizations with a variety of services, training and funding opportunities. It also reviews nominations to the National Register of Historic Places and oversees the State Register of Historic Sites, the Michigan Historical Marker Program, the Centennial Farm Program, the Certified Local Government Program and the Historic Preservation Tax Incentives Program. Under Section 106 of the National Historic Preservation Act,

the SHPO reviews all federal undertakings for impacts on historic properties.

Michigan Information Center (MIC)

Phone: 517-373-7910

Email: williamst1@state.mi.us

<http://www.state.mi.us/dmb/mic/source/mic.htm>

MIC is a unit within the Department of Management and Budget and is a source of demographic, economic, and educational data. It is also the lead coordinating agency for the Michigan State Data Center Program (MSDCP) statewide affiliate network, and actively involved in Geographic Information Systems (GIS) and Internet development. MIC also houses the Office of the State Demographer.

Michigan Jobs Commission

201 N. Washington Sq.

Victor Office Center, 4th Floor

Lansing, MI 48909

517-373-9808

<http://www.mjc.state.mi.us>

The Michigan Jobs Commission offers a large collection of local and state-wide economic information.

Michigan Department of Transportation (MDOT)

425 West Ottawa

PO Box 30050

Lansing, MI 48909

Phone: 517-373-2160

<http://www.mdot.state.mi.us>

The Michigan Department of Transportation is divided into five Bureaus: Aeronautics, Finance and Administration, Highways,

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Bureau of Transportation Planning, and Urban and Public Transportation (UPTRAN). Each Bureau takes an active role in the planning, construction and maintenance of Michigan's transportation system.

Upper Peninsula Office
1601 Ludington
Escanaba, MI 49829
906-786-1800 (Phone)
906-789-977538137 (Fax)

District 1
120 Tobin-Alpha Road
Crystal Falls, MI 49920
E-mail: Schivel@State.Mi.Us
906-875-6644 (Phone)
906-875-6264 (Fax)

District 2
M-28 & M-123 Jet., PO Box 395
Newberry, MI 49868
E-mail: Carmodyc@State.Mi.Us
906-293-5168 (Phone)
906-293-3331 (Fax)

District 3
100 East Chapin
Cadillac, MI 49601
E-mail: Oaklejl@State.Mi.Us
616-775-3487 (Phone)
616-775-0301 (Fax)

District 4
3022 South US-23
Alpena, MI 49707
E-mail: Rangp@State.Mi.Us
517-356-2231 (Phone)
517-354-4142 (Fax)

District 5
1420 Front Avenue, NW
Grand Rapids, MI 49504
E-mail: Lanejl@State.Mi.Us
616-451-3091 (Phone)
616-451-0707 (Fax)

District 6
55 E. Morley Drive
PO Box 14949
Saginaw, MI 48601
E-mail: Medinag@State.Mi.Us
517-754-7443 (Phone)
517-754-8122 (Fax)

District 7
1501 E. Kilgore Road
Kalamazoo, MI 49001
E-mail: Dorrl@State.Mi.Us
616-337-3900 (Phone)
616-343-3183 (Fax)

District 8
301 E. Louis Glick Highway
Jackson, MI 49201
E-mail: Davidm@State.Mi.Us
517-780-7500 (Phone)
517-780-7825 (Fax)

Metro District
18101 W. Nine Mile Road
Southfield, MI 48075
E-Mail: Evansp@State.Mi.Us
810-569-3993 (Phone)
810-569-3103 (Fax)

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Michigan United Conservation Clubs (MUCC)

Box 30235 (2101 Wood St.)
Lansing, MI 48909
517-371-1041

MUCC has hydrographic charts for 2,500 of Michigan's lakes. Additionally, they can provide topographical and county maps.

Michigan State University (MSU)

- **MSU Extension**
108 Agriculture Hall
East Lansing, MI 48824-1039
517-355-2308 (Phone)
517-355-6473 (Fax)
E-mail: msue@msue.msu.edu
<http://www.msue.msu.edu>

Since its beginning nearly 80 years ago, Extension in Michigan has focused on bringing knowledge-based educational programs to the people of the state to improve their lives and communities. Today, field agents supported by on-campus faculty members are serving every county, providing base programs focusing on agriculture and natural resources; children, youth and families; and community and economic development.

- **Department of Agricultural Economics**
Agriculture Hall
Michigan State University
East Lansing, MI 48824
Phone: 517-355-4563
Fax: 517-432-1800
Email: anraec@msu.edu
<http://www.aec.msu.edu/agecon/>

- **Department of Resource Development**

Department of Resource Development
323 Natural Resources Building
East Lansing, Michigan 48824-1222
Phone: (517) 355-3421
Fax: (517) 353-8994
<http://rdserv1.rd.msu.edu>

- **Department of Agricultural Engineering**

215 Farrall Hall
Michigan State University
East Lansing, MI 48824-1323
Phone: (517) 353-4619
Fax: (517) 432-2892
<http://www.egr.msu.edu/AgE/>

- **Department of Animal Science**

Anthony Hall
Michigan State University
East Lansing, MI 48824-1225
Phone: 517-355-8383
<http://www.canr.msu.edu/dept/ans/index.html>

- **Department of Crop and Soil Science**

Plant and Soil Sciences Building
Michigan State University
E. Lansing, Michigan 48824
Phone: (517) 353-3959
<http://www.css.msu.edu>

- **Department of Geography**

315 Natural Science Building
East Lansing, MI 48824-1115
Phone: (517) 355-4649
Fax: (517) 432-1671
<http://www.ssc.msu.edu/~geo/>

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- **Department of Urban Planning**

Michigan State University
East Lansing, MI 48824
Phone: (517) 353-9054
Fax: (517) 353-0006
Email: urp@pilot.msu.edu
<http://www.ssc.msu.edu:80/~urp/>

- **Michigan State University
Agricultural Weather Office**
Michigan Department of Agriculture
Climatology Program
1417 Natural Science Building
Michigan State University
East Lansing, MI 48824
Phone: (517) 355-0231
Email: scmfired@pilot.msu.edu
<http://climate.geo.msu.edu/mainmenu.html>

The MSU Agricultural Weather Office (MSUAWO) is jointly sponsored by MSU Extension, Michigan Agricultural Experiment Station, MSU's Department of Geography, and with the cooperation of the Michigan Department of Agriculture/Climatology Program. MSUAWO provides real-time up-to-the-hour weather information for the Michigan area and beyond.

- **The Institute of Water Research (IWR) at MSU**
Michigan State University
115 Manly Miles Building
1405 S. Harrison Road
East Lansing, MI 48823-5243
Phone: (517) 353-3742
Fax: (517) 353-1812
<http://www.iwr.msu.edu>

The Institute of Water Research (IWR) at MSU provides timely information for addressing contemporary land and water resource issues through coordinated multidisciplinary efforts using advanced information and networking systems. The IWR endeavors to strengthen MSU's efforts in nontraditional education, outreach, and interdisciplinary studies utilizing available advanced technology, and partnerships with local, state, regional, and federal organizations and individuals. Activities include coordinating education and training programs on surface and ground water protection, land use and watershed management, and many others. IWR can provide aquiferial, pesticide leaching, and other types of water-related maps.

- **Center for Remote Sensing and
Geographic Information Science**
Michigan State University
204 Manly Miles Building
1405 S. Harrison Road
East Lansing, MI 48823-5243
Phone: (517) 353-7195
Fax: (517) 353-1821
For Archive Appts.: (517) 355-3771
<http://www.crs.msu.edu>

**University of Michigan's
MLink Program**
117A HHGL North
Ann Arbor, Michigan 48109-1205
Phone: (313) 764-4000
Fax: (313) 764-3916
Email: barbreed@umich.edu
<http://mlink.hh.lib.umich.edu/>

MLink is an outreach program of the University of Michigan that brings the

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resources of the University to the citizens of Michigan through their local public libraries. Any citizen of the state of Michigan can use the MLink service by asking their question at the reference desk of their local public library. Questions must be in the areas of economic or community development.

The Planning and Zoning Center, Inc.

715 N. Cedar Street
Lansing, MI 48906
Phone: (517) 886-0555
<http://www.pzcenter.com>

The Planning and Zoning Center, Inc., is an instrument for local government and state-wide education, training, and consulting in the arena of community planning and land use issues. Planning and Zoning Center is a multi-disciplinary team of professionals devoted to research, education and consultation in appropriate community planning and development control.

Michigan Society of Planning Officials

27300 Haggerty Road
Suite F-30
Farmington Hills, MI 48331
Phone: (248)553-7526

MSPO is an organization dedicated to promoting sound community planning that benefits the residents of the state. The society was established in 1945 to achieve a desired quality of life through comprehensive community planning that includes opportunities for a variety of lifestyles and housing, employment, commercial activities, and cultural and recreational amenities. MSPO holds regular training workshops around the state.

Michigan Townships Association

PO Box 80078
Lansing, MI 48908-0078
Phone: (517) 321-6467
<http://www.mta-townships.org>

The MTA is a non-profit organization formed in 1953 to provide a unified voice for Michigan's township governments. MTA keeps members informed of current township issues through seminars, publications, county chapters, written communication, telephone calls, and legislative Faxes. The MTA provides information on township operations and responds to requests for information from township officials. The MTA also has numerous sample ordinances available. Some of the information offered is for member townships only.

The Michigan Association of Regions

The Michigan Association of Regions is an association of the 14 regional planning and development agencies across Michigan. The organization's purpose is fostering multi-jurisdictional problem solving and intergovernmental cooperation to enhance the quality of life in Michigan.

The Southeast Michigan Council of Governments, (SEMCOG)

660 Plaza Drive, Suite 1900
Detroit, Michigan 48226
Phone: (313) 961-4266
Email: tait@semcog.org
<http://www.semcof.org>

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Region 2 Planning Commission

Jackson County Tower Building
120 W. Michigan Avenue
Jackson, MI 49201
Phone: (517)788-4426
<http://www.Region2Planning.com>

South Central Michigan Planning Council

PO Box 2137
Portage, MI 49081
Phone: (616)323-0045
Email: smpc@net-link.net

Southwestern Michigan Commission

185 E. Main Street, Suite 701
Benton Harbor, MI 49022
Phone: (616)925-0288
Email: swmicomm@cpuinc.net
<http://www.swmicomm.org>

Genesee County Metro Planning Commission

1101 Beach Street, Room 223
Flint, MI 48502
Phone: (810)257-3185
Email: gcmpcadmin@attmail.com

Tri-County Regional Planning Commission

913 W. Holmes Road, Suite 201
Lansing, MI 48910
Phone: (517)393-0342
Email: terpc@sojourn.com
<http://www.tri-co.org>

East Central Michigan Planning and Development Region

3535 State Street
Saginaw, MI 48602
Phone: (517)797-0800
Email: ecmpdr@concentric.net

West Michigan Regional Planning Commission

40 Pearl Street, NW
Suite 410
Grand Rapids, MI 49503
Phone: (616)774-8400
Email: tuharskj@jserv.net

Northeast Michigan Council of Governments

PO Box 457
Gaylord, MI 49735
Phone: (517)732-3551
Email: nemcog@northland.lib.mi.us
<http://web.miep.org/inforbiz>

Northwest Michigan Council of Governments

PO Box 506
Traverse City, MI 49685
Phone: (616)929-5000
Email: bshipste@nwm.cog.mi.us
<http://www.nwm.cog.mi.us>

Eastern Upper Peninsula Regional Planning and Development Commission

524 Ashmun Street
PO Box 520
Sault Ste. Marie, MI 49783
Phone: (906)635-1581
Email: euprpd2@up.net
<http://www.maps.miep.org/maps/mrs368>

Central Upper Peninsula Regional Planning and Development Commission

2415 14th Avenue South
Escanaba, MI 49829
Phone: (906)786-9234
Email: cuppad@up.net

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Western Upper Peninsula Planning and Development Region

PO Box 365
Houghton, MI 49931
Phone: (906)482-7205
Email: jstingle@up.met

Western Michigan Shoreline Regional Development Commission

137 Muskegon Mall
PO Box 387
Muskegon, MI 49443
Phone: (616)722-7878
Email: wmsrdc@wmsrdc.org
<http://www.wmsrdc.org>

The Planning Commissioners Journal

PO Box 4295
Burlington, VT 05406
Phone: (802) 864-9083
Fax: (802) 862-1882
Email: pcj@together.net

The PCJ is a quarterly publication designed for citizen planners, including (but certainly not limited to) members of local planning commissions and zoning boards. We make every effort to ensure that what we run is clear and understandable to nonprofessionals. We have also put considerable effort into ensuring that the PCJ is attractively designed and easy-to-read.

Michigan Farm Bureau

Phone: (517) 323-7000
Email: mfbrinfo@aol.com
<http://www.fb.com/mifb>

The Michigan Farm Bureau can aid in securing legislation to assist in the expansion of animal agriculture. The Farm

Bureau organization can assist county and townships to develop ordinances to protect non-agriculture residents concerns while providing an opportunity for livestock expansion.

Michigan Cattlemen's Association

PO Box 24041
Lansing, MI 48909-4041
Phone: (517) 336-6780

The Michigan Cattlemen's Association (MCA) is an organization of beef producers and is an affiliate of the National Cattlemen's Association. MCA works to represent the Michigan cattle industry in legislative matters at the local, state and national levels. The association also coordinates and arranges meetings, tours, and other activities in an effort to promote good-will and understanding in and for the cattle industry.

Michigan Allied Poultry Industries, Inc.

W.C. (Bud) Search
Executive Director
St. Martins Point Road HC47
Box 6270
Hessel, MI 49745
Phone: (906) 484-2502

Michigan Pork Producers

4801 Willoughby
Suite 5
Holt, MI 08842
Phone: (517) 699-2145

The Michigan Pork Producers Association is a state affiliate of the National Pork Producers Council and administers programs in pork promotion, research and consumer

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information supported by Michigan's pork producers and importers. The organization promotes an active Environmental Assurance Program that provides pork producers practical, proactive educational information which enables them to identify and economically address the key management issues affecting the environmental quality of their operations and communities.

Michigan Milk Producers Association
Phone: (810) 474-6672

Federal Information Sources

Natural Resources Conservation Service (NRCS)

14th Street & Independence Avenue, SW
Washington, D.C. 20013
<http://www.nrcs.usda.gov>

The NRCS has a wide variety of information available regarding natural resources. The NRCS provides base map coverage, status maps, the National Resources Inventory (NRI) database, and data bases on soil, water and climate, plants for conservation, and information on many other subjects. For more information contact the appropriate division listed below.

Division Room FAX Number Assistance

Community Assistance & Resource
Development 5238-S
(202) 690-0639
(202) 720-2847

Conservation & Ecosystem Assistance Division
6038-S
(202) 720-0630
(202) 720-1845

Conservation Engineering Division
6137-S
(202) 720-0428
(202) 720-2520

Ecological Sciences Division
6155-S
(202) 720-2646
(202) 720-7245

Ecological Sciences Division
6159-S
(202) 720-1814
(202) 720-7245

International Conservation
4237-S
(202) 720-0668
(202) 720-8388

Information Resources Management Division
6817-S
(202) 690-1988
(202) 690-0467

Management Services Division
6013-S
(202) 690-3174
(202) 720-4811

Natural Resource Inventory Division
6243-S
(202) 690-3299
(202) 720-5420

Quality Management & Program Evaluation
6175-S
(202) 720-9030
(202) 720-8388

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Resource Conservation & Development Division

6103-S
(202) 690-4205
(202) 720-2241

Soils Division

4250-S
(202) 720-4593
(202) 720-1820

Soils Division

5004-S
(202) 720-7710
(202) 720-4630

Technology Accessible Resources Gives Employment

Today (TARGET) Center
1006-S
(202) 720-2681
(202) 720-2600

Watersheds & Wetland Division

6014-S
(202) 720-2143
(202) 720-3534

Watersheds & Wetland Division

6013-S
(202) 690-1462
(202) 720-3527

Michigan State NRCS Office

1405 S. Harrison Rd.
East Lansing, MI 48823
(517) 337-6701

National Wetlands Inventory

United States Department of the Interior
National Wetlands Inventory
9720 Executive Center Drive
Suite 101, Monroe Building
St. Petersburg, FL 33702
Phone: (813) 570-5412
Fax: (813) 570-5420
<http://www.nwi.fws.gov>

The National Wetlands Inventory plans, directs, coordinates, and monitors the gathering, analysis, dissemination, and evaluation of information relating to the location, quantity, and ecological importance of the Nation's wetlands.

Federal Emergency Management Agency (FEMA)

500 C. Street S.W., Room 820
Washington, D.C. 20472-0001
Emergency Information at: (202) 646-4600
<http://www.fema.gov>

FEMA's activities include advising on building codes and flood plain management, teaching people how to get through a disaster, helping equip local and state emergency preparedness, coordinating the federal response to a disaster, making disaster assistance available to states, communities, businesses and individuals, training emergency managers, supporting the nation's fire service, and administering the national flood and crime insurance programs. Floodplains maps are available.

- Map Service Center (MSC)
PO Box 1038
Jessup, MD 20794-1038
Phone: (800) 358-9616
Fax: (800) 358-9620

MSC is just one of a suite of services planned to expedite the dissemination of FEMA's flood map and insurance products that support FEMA, its customers, and the user community. MSC is a customer-based service designed to provide the latest information and support services to users as part of FEMA's contribution to the National Information Infrastructure.

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United States Census Bureau

Census Bureau Customer Services
Customer Services
Bureau of the Census
Washington, DC 20233
Phone: (301) 457-4100
TDD: (301) 457-4611
<http://www.census.gov>

USCB collects and provides timely, relevant, and quality data about the people and economy of the United States. Census data is available through publications, CD-ROM disks, other computer media, and online through the Internet.

United States Geological Survey (USGS)
U.S. Geological Survey
804 National Center
Reston, VA 20192
http://www.usgs.gov/bio/USGS/usgs_gen.html

The U.S. Geological Survey provides the Nation with reliable, impartial information to describe and understand the Earth. This information is used to minimize loss of life and property from natural disasters, manage water, biological, energy, and mineral resources, enhance and protect the quality of life, and contribute to wise economic and physical development.

- Earth Science Information Centers (ESIC)
Phone: (800) USA-MAPS

ESIC offers nationwide information and sales service for USGS map products and earth science publications. ESIC provides information about geologic, hydrologic, topographic, and land use maps, books, and reports; aerial, satellite, and radar images

and related products; earth science and map data in digital format and related applications software; and geodetic data. ESIC can also provide information about earth science materials from many public and private producers in the United States using automated catalog systems for information retrieval and research services.

- Earth Resources Observation Systems (EROS) Data Center
Customer Services
U.S. Geological Survey
EROS Data Center
Sioux Falls, SD 57198
Phone: (605) 594-6151 (7:30 am-4:00 pm CT)
TDD: (605) 594-6933 (7:30 am-4:00 pm CT)
Fax: (605) 594-6589 (24 hours)
Email: custserv@edcmail.cr.usgs.gov (24 hours)

Data collection and distribution are the business of the USGS's Earth Resources Observation Systems (EROS) Data Center, or the EDC. Besides handling data from several series of satellites, the EDC archives more than 8 million photographs taken from airplanes. The EDC is home to the National Satellite Land Remote Sensing Data Archive, an immense storehouse of information on land-surface phenomena, now dating back three decades. In recent years the EDC also has become the distributed active archive center, or DAAC, for land processes on behalf of NASA's Mission to Planet Earth.

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- The USGS's National Water Information Center
Phone: (800) 426-9000
Email: h2oinfo.@usgs.gov

The USGS's National Water Information Center is designed to serve as a focus for the dissemination of water-resources information to all levels of government, academia, the private sector, and the general public. Services include referrals to appropriate sources of hydrologic information, as well as providing single copies of Fact Sheets on various water resources topics.

National Oceanic and Atmospheric Administration (NOAA)

National Climatic Data Center

Federal Building

151 Patton Ave.

Asheville, NC 28801,5001

Phone: (701) 271-4800

<http://www.ncdc.noaa.gov>

The National Climatic Data Center is a source for weather and climate information.

Internet Resources

The Planning and Architecture Internet Resource Center (PAIRC)

<http://www.arch.buffalo.edu/pairc>

PAIRC contains a comprehensive directory of Internet resources relevant to planning, architecture, urbanism and other topics related to the built environment. PAIRC also contains information about architecture and planning related mailing lists and Usenet newsgroups, and hosts several interactive

message areas. PAIRC is sponsored by the State University of New York at Buffalo School of Architecture and Planning

MAGIC Online

<http://www.govern.com>

MAGIC is an easily accessible, interactive, and intelligent system designed to help you access Michigan government and municipal information.

MAPS/DATA

1. AERIAL PHOTOS - Available from the Department of Natural Resources, Real Estate Division, Box 30448, Lansing, 48909-7948 (6th Floor, Mason Building), phone: 517-373-9123
2. COUNTY MAPS - Available from the Department of Natural Resources, Real Estate Division, Box 30448, Lansing, 48909 (5th Floor Mason Building), phone: 517-335-3236
3. GEOLOGICAL MAPS - Bedrock Geological Maps, Surface Geological Maps, River Basin and Drainage Maps, Base Maps, Oil and Gas Maps are available from Department of Environmental Quality, Geological Survey Division, Box 30256, Lansing, 48909 (735 E. Hazel, Lansing), prices vary, phone: 517-334-6939

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4. INLAND LAKE MAPS - Scale and detail vary. Approximate size: 18"x24". Shows lake outline, depth contour, weed beds and shoreline features. Available from Michigan United Conservation Clubs (MUCC), Box 30235, Lansing, 48909 (2101 Wood Street, Lansing), phone: 517-371-1041
5. MAPBOOKS, TRAILS, GUIDES, AND OTHER PUBLICATIONS RELATED TO OUTDOOR MICHIGAN - Publications containing county maps, hiking and cross-country skiing maps, and more are available at varying prices from Michigan Natural Resources Magazine, 30600 Telegraph Road, Suite 1255, Bingham Farms, 48025-4531, phone: 1-800-444-3412
6. ORIGINAL GOVERNMENT LAND OFFICE MAPS AND FIELD NOTES - Approximate size: 18" x 24". Available from the Department of Natural Resources, Real Estate Division, Box 30448, Lansing, 48909-7948 (5th Floor, Mason Building), phone: 517-373-1250
7. SNOWMOBILE, HIKING & CROSS-COUNTRY SKIING MAPS - Books containing such maps are available at varying prices from the Department of Natural Resources, Forest Management Division, Box 30452, Lansing, 48909 (8th Floor Mason Building), phone: 517-373-4175
8. STREAM MAPS OF MICHIGAN - Publication of streams available from Michigan Natural Resources Magazine, 30600 Telegraph Road, Suite 1255, Bingham Farms, 48025-4531, phone: 1-800-444-3412
9. TOPOGRAPHIC MAPS - 7 1/2 minute maps 1:24,000, 1:100,000 and 1:250,000 maps of Michigan. Available from Department of Environmental Quality Geological Survey, Box 30256, Lansing, 48909 (735 E. Hazel, Lansing), phone: 517-334-6943
10. WILDLIFE DIVISION MAPS - Maps of individual game areas. 8 1/2" x 11" Michigan's Public Lands. Shows all state parks, forests, fish hatcheries, game areas, etc. 8 1/2" x 11". Public lands in Zone 3. Shows state game and wildlife areas and state recreational areas in southern part of the lower peninsula. Local area maps are available from the Department of Natural Resources' District and Field Offices or from its Wildlife Division, Box 30444, Lansing, 48909-7944 (5th Floor, Mason Building), phone: 517-373-1263