



Note: This information is provided for reference purposes only. Although the information provided here was accurate and current when first created, it is now outdated.

United States  
Environmental Protection  
Agency

Office of Water  
(4503F)

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# Land Cover Digital Data Directory for the United States



**THE WATERSHED ACADEMY**



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Assessment and Watershed Protection Division  
Office of Wetlands, Oceans and Watersheds (4503F)  
U. S. Environmental Protection Agency  
401 M Street SW  
Washington, DC 20460

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**This report should be cited as:**

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## **Executive Summary**

Land cover, which is the pattern of ecological resources and human activities dominating different areas of the earth's surface, is one of the most important data sources used in watershed analysis and the management of water resources throughout the country. Example uses of land cover data in watersheds include modeling and predicting runoff, diagnosis of non-point source pollution sources and characteristics, analyzing habitat, siting appropriate land uses, and analyzing development patterns. Land cover patterns are mapped using aerial photography or satellite imagery. In recent years, land cover data are increasingly available in digital format for use in Geographic Information Systems. Yet, despite the high demand for land cover data, a single source of up-to-date, nationally consistent land cover mapping at moderate to high spatial detail is not available.

In the absence of a single national data source, the U. S. Environmental Protection Agency's Office of Water has researched the availability of single-state and multi-state, moderately detailed land cover data sets across the country and compiled a summary description about each finding. The summaries in this directory include contact information to assist readers who may want to acquire copies of the digital data for their own use. It should be noted, however, that this directory is not a centralized source for ordering and acquiring digital data; to obtain land cover data, readers must contact the reference given for each individual data set in this directory.

In all, 75 different data sets were found, and most of these cover single states or parts of states. A few national data sets are available, but these are either very coarse in spatial resolution or substantially out

of data and thus have limited value in representing current land cover patterns. Some multi-state coverages were found, including two current mapping programs (MRLC and GAP) that may achieve full national coverage in a few years. Where possible, pointers to websites for ongoing mapping programs have also been listed to enable readers to use the most recent internet updates on map coverage and availability.

The EPA Office of Water is interested in updating this directory periodically. Readers who know of a land cover data set that is not yet listed are requested to send the appropriate information to [norton.douglas@epamail.epa.gov](mailto:norton.douglas@epamail.epa.gov) or fax to 202-260-7024 attn. Douglas Norton.

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## Introduction

### What is the Land Cover Digital Data Directory?

The term *land cover* refers to the predominant ecological resources or human activities covering different areas of the earth's surface, such as water (rivers and lakes), vegetation (grasslands, forests), or human activity-dominated cover (cities, croplands, mining). Land cover data are among the most important data for watershed analysis and management of water resources. Some national or multi-state coverages are available and are described. However, most coverages were created by state government agencies.

EPA's Land Cover Digital Data Directory for the United States is a compilation of reference information on **where and how to obtain** available national or statewide GIS land cover data sets. This directory is not a distribution center for these data, but rather should be used as a tool to find the appropriate distributors of the data set of interest.

Land cover information is one of the most essential parts of any GIS, whether used for planning and development, environmental protection, watershed management, transportation and utility routing, industry, resource harvest, or numerous other activities. However, the size of our nation and the speed with which land cover patterns change make it difficult to obtain up-to-date and accurate land cover information on all parts of the country. This directory has been developed to help watershed managers find their way to the existing sources sources of land cover data for their watersheds, and evaluate which of the available data sources will best suit the plans they have in mind.

### What is in the Land Cover Digital Data Directory?

The land cover digital data directory contains reference information (i.e., "metadata") on four broad

categories of land cover data sets:

- Partial state coverage
- Full state coverage
- Multi-state coverage
- National coverage.

The provided spatially-organized information on land cover can be used in geographic analyses.

The land cover digital data directory is maintained by the Watershed Branch of EPA's [Office of Wetlands, Oceans and Watersheds](#), and this office may be contacted for questions about the directory itself. The contact person listed on each dataset-description page should be contacted for questions specific to the data set in the directory.

## What is Addressed in the Data Directory?

The information collected for inclusion in this data directory does not provide comprehensive metadata for any of the coverages. It does, however, provide a summary of the structure, content, spatial coverage, and availability of most national and statewide land cover data.

The data directory contains the following data elements:

Category	Descriptions
Coverage	This data element includes information on the spatial extent of the coverage (e.g., national, multi-state, statewide, or partial state).
Comments	This field includes any relevant narrative information related to the coverage.
Resolution	The pixel size of the satellite imagery used for mapping.
Minimum mapping unit	The minimum size area of land cover (e.g., 1 acre) that appears on the maps.
Map date	The date the map or coverage was created from the source data.
Image date	The date the source data was collected.
Image type	The type of image used to create the coverage.

Map scale	Scale of the map or coverage developed.
Photo scale	Scale of the airphotos used to create the coverage.
Coordinate system	The specific system used to reference the coverage to a geographic location.
Projection	The specific projection used to display the data coverage.
Classification system	The classification system used in preparing land use/land cover maps.
GIS	The GIS system the data coverage is provided.
Data Type	The data encoding format of the coverage.
Next scheduled update	The date for the next planned update of the data coverage.
Availability	This data field contains relevant information on the type of media, costs, and where available for the data.
Contact name	Information on the state-specific contact.
Contact title	_____
Contact Agency	_____
Address	_____
City, State, ZIP	_____
Phone number	_____
Email address	_____

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## National Data Sets

This section contains reference information about land cover mapping across the United States.

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## GIRAS-Derived National Data Set (Copy Owned by EPA)

CATEGORY	DESCRIPTION
Coverage	U.S. 48 contiguous states, verified to 110 Longitude line.
Comments	Derived from GIRAS data. GIRAS not edge matched.
Resolution	n/a
Minimum mapping unit	10 acres for urban categories, 40 acres for others
Map date	1994
Image date	mostly 1970s
Image type	aerial photographs, B/W
Map scale	1:250,000
Photo scale	1:250,000
Coordinate system	UTM
Projection	Albers Equal Area
Classification system	Anderson 2
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Free of charge off the Internet at <a href="http://www.epa.gov/nsdi">http://www.epa.gov/nsdi</a> (title search: 1995 GIRIS).
Contact name	Ed Partington
Contact title	Computer Specialist
Contact Agency	U.S. Environmental Protection Agency
Address	401 M Street, SW
City, State, ZIP	Washington, DC 20460
Phone number	(202) 260-3106
Email address	partington.ed@epamail.epa.gov



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## United States Geological Survey Land Use and Land Cover Data

<b>CATEGORY</b>	<b>DESCRIPTION</b>
Coverage	United States Coverage
Comments	Available for most of the contiguous United States and Hawai'i. National LULC database known as the Geographic Information Retrieval Analysis System (GIRAS).
Resolution	n/a
Minimum mapping unit	10 acres (4 ha) for urban categories and 40 acres (16 ha) for non-urban categories
Map date	n/a
Image date	mostly 1970s
Image type	Aerial photographs
Map scale	1:250,000 and 1:100,000
Photo scale	1:24,000 to 1:100,000
Coordinate system	UTM
Projection	Geographic
Classification system	Anderson Level II
GIS	GIRAS, CTG
Data Type	Vector and raster
Next scheduled update	n/a

Availability	No cost through anonymous FTP account ( <a href="http://edcwww.cr.usgs.gov/glis/hyper/guide/1_250_lulc">http://edcwww.cr.usgs.gov/glis/hyper/guide/1_250_lulc</a> ). Available at cost of reproduction on magnetic tape from the Earth Science Information Center, USGS, 507 National Center, Reston, Virginia 22092. Phone (703) 860-6045. Maps also available through (800) USA MAPS.
Contact name	n/a
Contact title	Branch of Technical Management
Contact Agency	United States Geological Survey
Address	510 National Center
City, State, ZIP	Reston, Virginia 22092
Phone number	n/a
Email address	n/a

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## Conterminous U.S. Land Cover Characteristics

CATEGORY	DESCRIPTION
Coverage	Conterminous United States
Comments	Data jointly developed by the USGS EROS Data Center and the Center for Advanced Land Management Information Technologies (CALMIT) at the University of Nebraska-Lincoln. Data is a classification of seasonal land cover types.
Resolution	1 km
Minimum mapping unit	n/a
Map date	n/a
Image date	1990 data

Image type	NOAA AVHRR satellite imagery
Map scale	n/a
Photo scale	n/a
Coordinate system	Lambert Azimuthal Equal Area
Projection	n/a
Classification system	159 classes
GIS	n/a
Data Type	Raster
Next scheduled update	n/a
Availability	Data available on CD ROM from the EROS Data Center, U.S.G.S., Sioux Falls, SD 57198. Telephone the Center at (605) 594-6142 or visit the following internet sites: EROS Data Center = <a href="http://edcwww.cr.usgs.gov/">http://edcwww.cr.usgs.gov/</a> CALMIT = <a href="http://www.calmit.unl.edu/calmit.html">http://www.calmit.unl.edu/calmit.html</a> .
Contact name	n/a
Contact title	Customer Service
Contact Agency	United States Geological Survey
Address	EROS Data Center
City, State, ZIP	Sioux Falls, SD 57198
Phone number	(605) 594-6151
Email address	custserv@edcserver1.cr.usgs.gov

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## Multi-State Data Sets

This section provides descriptive data on multi-state coverages that do not have national coverage.

## GAP Analysis Land Cover Maps

<b>CATEGORY</b>	<b>DESCRIPTION</b>
Coverage	Partial United States Coverage (Multi-State)
Comments	GAP Analysis projects are ongoing. Please check the Internet site to establish availability of individual state data.
Resolution	30M
Map date	varies
Image date	varies
Image type	Landsat TM, DLG, DEM
Map scale	1:100,000
Photo scale	n/a
Coordinate system	UTM
Projection	Albers
Classification system	UNESCO/TNC as modified for the United States
GIS	ARC/INFO
Data Type	Vector and raster
Next scheduled update	n/a
Availability	Data available from the EROS Data Center, U. S.G.S., Sioux Falls, SD 57198. Phone (605) 594-6142 or from the Internet: <a href="http://www.gap.uidaho.edu/gap/">http://www.gap.uidaho.edu/gap/</a>
Contact name	Michael D. Jennings
Contact title	n/a
Contact Agency	National Biological Service, National GAP Program
Address	University of Idaho
City, State, ZIP	Moscow, ID 83843

Phone number	(208) 885-6336 (3565)
Email address	michael_d._jennings@nbs.gov

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## Multi-Resolution Land Characteristic (MRLC) Consortium Land Cover Maps

CATEGORY	DESCRIPTION
Coverage	Partial United States Coverage (Multi-State); plans for national coverage
Comments	MRLC mapping projects are ongoing. Please check the Internet site to establish availability of individual state data
Resolution	30M
Map date	varies
Image date	mostly 1991-1993
Image type	Landsat TM, DLG, DEM
Map scale	1:100,000
Photo scale	n/a
Coordinate system	UTM
Projection	Albers
Classification system	Anderson as modified
GIS	ARC/INFO
Data Type	Vector and raster
Next scheduled update	n/a
Availability	Data available from the EROS Data Center, U. S.G.S., Sioux Falls, SD 57198. Phone (605) 594-6142 or from the Internet: <a href="http://www.epa.gov/docs/grd/mrlc">http://www.epa.gov/docs/grd/mrlc</a>

Contact name	Peter Campbell
Contact title	n/a
Contact Agency	USEPA
Address	Natl Exposure Research Lab (MD-75)
City, State, ZIP	Research Triangle Park, NC 27711
Phone number	(919) 541-2957
Email address	campbell@ardgsv.rtpnc.epa.gov

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## Mississippi River Valley Land Cover

<b>CATEGORY</b>	<b>DESCRIPTION</b>
Coverage	Mississippi River Valley, from Karo to river mouth
Comments	
Resolution	30 M
Minimum mapping unit	n/a
Map date	December 1, 1994
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Agricultural Practices
GIS	n/a
Data Type	ERDAS, ARC/INFO
Next scheduled update	tba

Availability	Cost of duplication. Contact Dan Twedt at U. S. Fish and Wildlife's Vicksburg Research Station. More information available through the CAST Internet site: <a href="http://www.cast.uark.edu">http://www.cast.uark.edu</a>
Contact name	Fred Limp
Contact title	Director
Contact Agency	Center for Advanced Spatial Technologies (CAST), University of Arkansas
Address	12 Ozark Hall
City, State, ZIP	Fayetteville, AR 72701
Phone number	(501) 575-6159
Email address	fred@cast.uark.edu

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## Single State Data Sets

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### Alabama Data Sets

This section contains reference information for the state of Alabama.

<b>Alabama Land Cover</b>	
Coverage	n/a
Comments	New three-year project ongoing with USEPA and ADEM to gather land cover data.
Resolution	n/a
Minimum Mapping Unit	n/a
Map date	n/a

Image date	n/a
Image type	n/a
Map scale	n/a
Photo scale	n/a
Coordinate system	n/a
Projection	n/a
Classification system	n/a
GIS	n/a
Data Type	n/a
Next scheduled update	n/a
Availability	n/a
Contact name	Nick Tew
Contact title	GIS Director
Contact Agency	Geological Survey of Alabama, State ESIC Office
Address	P.O. Box 0
City, State, ZIP	Tuscaloosa, AL 35486-9780
Phone number	(205) 349-2852 x246
Email address	n/a

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## Alaska Data Sets

This section contains reference information for the state of Alaska.

### **Data Sets in This Directory**

[Alaska Land Cover](#)

[Chugach National Forest land Cover](#)



<b>Alaska Land Cover</b>	
Coverage	Entire State
Comments	Statewide coverages are available, but requests for data must be specific. Contact Richard MacMahon or view Alaska Geospatial Data Clearinghouse website.
Resolution	n/a
Minimum Mapping Unit	n/a
Map date	n/a
Image date	n/a
Image type	n/a
Map scale	n/a
Photo scale	n/a
Coordinate system	n/a
Projection	n/a
Classification system	n/a
GIS	n/a
Data Type	n/a
Next scheduled update	n/a
Availability	<a href="http://www-eros-afo.wr.usgs.gov/agdc">http://www-eros-afo.wr.usgs.gov/agdc</a>
Contact name	Richard MacMahon
Contact title	Data Processing Manager
Contact Agency	Alaska Department of Natural Resources
Address	3601 C Street
City, State, ZIP	Ankorage, AK 99503
Phone number	(907) 762 2394
Email address	n/a

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<b>Chugach National Forest Land Cover</b>	
Coverage	Chugach National Forest (9.6 million acres)
Comments	Twenty different satellite scenes were worked on independently. Preliminary classifications were merged to produce 1 map of the entire project area.
Resolution	n/a
Minimum mapping unit	n/a
Map date	n/a
Image date	1977-1991
Image type	Landsat TM and MSS, Spot MSS
Map scale	n/a
Photo scale	n/a
Coordinate system	n/a
Projection	n/a
Classification system	39 classes
GIS	n/a
Data Type	Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Bruce Williams
Contact title	GIS Coordinator
Contact Agency	USDA Forest Service
Address	3301 C Street, Suite 300
City, State, ZIP	Anchorage, AK 99503-3998
Phone number	(907) 271 2527
Email address	/s=mri/oui=r10f04a@mhs-fsbo.attmail.com

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## Arizona Data Sets

This section contains reference information for the state of Arizona.

<b>Maricopa County Arizona Land Cover</b>	
Coverage	Maricopa County, Arizona
Comments	1995 land use
Resolution	25 feet
Minimum Mapping Unit	n/a
Map date	January 1, 1996
Image date	January 1, 1995
Image type	aerial photograph
Map scale	n/a
Photo scale	n/a
Coordinate system	AZ State Plane
Projection	n/a
Classification system	Individual system (24 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	2000
Availability	Contact Don Worley. Cost for noncommercial customers is \$25 per disk; commercial is \$600 for all data. Not currently available through the internet.
Contact name	Don Worley
Contact title	Transportation Planner
Contact Agency	Maricopa Association of Government (MAG), Transportation Planning Office
Address	2901 West Durango Street
City, State, ZIP	Phoenix, AZ 85009

Phone number	(602) 506 4117
Email address	worley@mag.mcdot.maricopa.gov

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## Arkansas Data Sets

This section contains reference information for the state of Arkansas.

### Data Sets in This Directory

[Arkansas Land Cover](#)  
[Arkansas, Mississippi River Valley Land Cover](#)

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Arkansas Land Cover	
Coverage	Entire State
Comments	Descriptions of additional coverages for Arkansas are available in the on-line catalog at the CAST internet site.
Resolution	30 M (also available at 2, 10, 40, and 100 hectares)
Minimum Mapping Unit	n/a
Map date	December 31, 1994
Image date	June 1, 1992
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a

Classification system	Classification based on UNESCO/TNC/ GAP
GIS	PCI
Data Type	Raster
Next scheduled update	n/a
Availability	Cost of duplication. Also available on the internet at <a href="http://www.cast.uark.edu">http://www.cast.uark.edu</a> .
Contact name	Fred Limp
Contact title	Director
Contact Agency	Center for Advanced Spatial Technologies (CAST), University of Arkansas
Address	12 Ozark Hall
City, State, ZIP	Fayetteville, AR 72701
Phone number	(501) 575-6159
Email address	fred@cast.uark.edu

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<b>Mississippi River Valley Land Cover</b>	
Coverage	Mississippi River Valley, from Karo to river mouth
Comments	
Resolution	30 M
Minimum Mapping Unit	n/a
Map date	December 1, 1994
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a

Classification system	Agricultural Practices
GIS	n/a
Data Type	ERDAS, ARC/INFO
Next scheduled update	tbs
Availability	Cost of duplication. Contact Dan Twedt at U.S. Fish and Wildlife's Vicksburg Research Station. More information available through the CAST internet site <a href="http://www.cast.uark.edu">http://www.cast.uark.edu</a>
Contact name	Fred Limp
Contact title	Director
Contact Agency	Center for Advanced Spatial Technologies (CAST), University of Arkansas
Address	12 Ozark Hall
City, State, ZIP	Fayetteville, AR 72701
Phone number	(501) 575-6159
Email address	fred@cast.uark.edu

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## California Data Sets

This section contains reference information for the state of California.

<b>California Partial State Land Cover</b>	
Coverage	16 of 58 counties: Tahama, Solano, Placer, Fresno, Butte, Tulare, Sacramento, Glenn, Calusa, Orange, Kings, Kern, Yollo, and San Joaquin counties, and Upper Santa Anna and Delta areas.
Comments	Agriculture and urban areas updated every 7 years

Resolution	n/a
Minimum Mapping Unit	2 acres/pixel
Map date	varies
Image date	varies
Image type	aerial photograph (35mm slides)
Map scale	1:24,000
Photo scale	1 inch to 1 foot
Coordinate system	UTM, Zone 10.5
Projection	n/a
Classification system	Individual system
GIS	Autocad, GRASS
Data Type	Vector
Next scheduled update	Every 7 years
Availability	Contact Steve Turner (916) 653 5573. Data available on CD, call for prices. No charge if FTP at 136.200.54.30 (cd dopout/landuse) or 136.200.54.21 (cd pub cd 0). Additional information available from the internet: <a href="http://www.dop.water.ca.gov">http://www.dop.water.ca.gov</a>
Contact name	Tom Hawkins
Contact title	Senior Land and Water Use Analyst
Contact Agency	CA Department of Natural Resources
Address	1416 9th Street, PO Box 942836
City, State, ZIP	Sacramento, CA 94236©0001
Phone number	(916) 653 5573

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This section contains reference information for the state of Colorado.

<b>Colorado, Denver Metro Area Land Cover</b>	
Coverage	Denver Metro Area
Comments	All files are currently corrupt and are unavailable. Files should be cleaned and available by January 1997.
Resolution	20 M
Minimum Mapping Unit	n/a
Map date	March 1, 1994
Image date	June 1, 1992
Image type	SPOT Panchrom
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified (12 classes)
GIS	ARC/INFO
Data Type	Vector, Raster
Next scheduled update	n/a
Availability	Not expected to be available until January 1997. Normally free through the internet; otherwise, cost of duplication. Contact Paul Marr at extension 6164. EPA Region 8 web site is <a href="http://www.epa.gov/region08">http://www.epa.gov/region08</a>
Contact name	Heng Ouch
Contact title	GIS Specialist
Contact Agency	USEPA Region 8, Data Systems Management Service
Address	999 18th Street, Suite 500
City, State, ZIP	Denver, CO 80202
Phone number	(303) 312 6182



Email address

ouch.heng@epamail.epa.gov

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## Connecticut Data Sets

This section contains reference information for the state of Connecticut.

<b>Connecticut Land Cover</b>	
Coverage	Entire state
Comments	Land cover data originally used for assessing nutrient loading from nonpoint sources. As a result, some categories (agriculture, etc.) are more detailed than other land cover categories.
Resolution	30M
Minimum Mapping Unit	n/a
Map date	January 1, 1992
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	State plane and UTM
Projection	n/a
Classification system	Anderson Modified (23 to 24 categories)
GIS	ARC/INFO
Data Type	Raster and Vector
Next scheduled update	January 1, 2000

Availability	Cost is a function of the media type. To obtain data, contact Howie Sternberg at the CT Department of Environmental Protection. (203) 424 3594
Contact name	John Scull
Contact title	Geographic Information Coordinator
Contact Agency	Connecticut Department of Environmental Protection
Address	79 Elm Street
City, State, ZIP	Hartford, CT 06106
Phone number	(203) 424 3597
Email address	n/a

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## Delaware Data Sets

This section contains reference information for the state of Delaware.

<b>Delaware Land Cover</b>	
Coverage	Entire state
Comments	Newer data is available. Details only available through private company. Call VARGIS, (800) 834-0225 for a brochure and ordering information.
Resolution	n/a
Minimum Mapping Unit	10 acres by 500 feet
Map date	December 31, 1985
Image date	January 1, 1984
Image type	aerial photograph
Map scale	1:63,360

Photo scale	n/a
Coordinate system	DE State Plane
Projection	n/a
Classification system	Anderson Modified (22 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Data available for \$21 plus the cost of media used. Additional information can be found at <a href="http://www.dnrec.state.de.us">http://www.dnrec.state.de.us</a>
Contact name	Debbie Sullivan
Contact title	Applications Support Specialist
Contact Agency	DE Department of Natural Resources and Environmental Control
Address	P.O. Box 1401
City, State, ZIP	Dover, DE 19903
Phone number	(302) 739 6308

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## Florida Data Sets

This section contains reference information for the state of Florida.

### Data Sets in This Directory

[Florida Land Cover](#)

[South Florida Water Management District Land Cover](#)

[Portion of Northwest Florida Water Management District Land Cover](#)

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<b>Florida Vegetative Cover</b>	
Coverage	Entire State
Comments	Landsat TM from 85 to 89
Resolution	0.25 acre
Minimum Mapping Unit	n/a
Map date	December 31, 1990
Image date	January 1, 1987
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Personal System (22 classes)
GIS	ERDAS/SUN
Data Type	Raster
Next scheduled update	n/a
Availability	Free
Contact name	Randy Couch
Contact title	Biological Administrator
Contact Agency	Florida Game and Freshwater Fish Commission
Address	620 South Meridian Street
City, State, ZIP	Tallahassee, FL 32399-1600
Phone number	(904) 488 6661
Email address	kautzr@mail.state.fl.us

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<b>South Florida Water Management District Land Cover</b>	
Coverage	South Florida Water Management District

Comments	tbs
Resolution	n/a
Minimum mapping unit	2 acres
Map date	January 1, 1988
Image date	January 1, 1988
Image type	Aerial photograph
Map scale	1:24,000
Photo scale	1:24,000
Coordinate system	State Plane (East Zone)
Projection	n/a
Classification system	Anderson Modified (100 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Cost = \$100.00 per hour for time and materials. Contact Terry Bennett at the address below.
Contact name	Bob Brown
Contact title	Senior Prof GIS
Contact Agency	South Florida Water Management District
Address	3301 Gun Club Road
City, State, ZIP	West Palm Beach, FL 33406
Phone number	n/a
Email address	n/a

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<b>Northwest Florida Water Management District Land Cover</b>	
Coverage	Portion of Northwest Florida Water Management District

Comments	n/a
Resolution	SPOT data=15M Landsat data=30M
Minimum mapping unit	n/a
Map date	n/a
Image date	n/a
Image type	SPOT, Landsat
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 3 Modified
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Charge for time and materials.
Contact name	Luann Rains
Contact title	Senior GIS Analyst
Contact Agency	Northwest Florida Water Management District
Address	Route 1, Box 3100
City, State, ZIP	Havana, FL 32333
Phone number	(904) 539-5999
Email address	n/a

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## Georgia Data Sets

This section contains reference information for the state of Georgia.

<b>Georgia Land Cover</b>	
Coverage	Entire state
Comments	Image dates range from 1988 through 1990.
Resolution	100 feet
Minimum Mapping Unit	n/a
Map date	December 1, 1991
Image date	December 26, 1988
Image type	Landsat TM
Map scale	plotted at 1:24,000 scale
Photo scale	n/a
Coordinate system	GA State Plane (East and west zones)
Projection	n/a
Classification system	Anderson Modified
GIS	ERDAS (UNIX)
Data Type	Raster, Vector
Next scheduled update	n/a
Availability	Contact the Georgia Natural Heritage Program for information concerning availability
Contact name	Christopher Canalos
Contact title	GIS Specialist
Contact Agency	Georgia Department of Natural Resources, Wildlife Resources Division, Georgia Natural Heritage Program
Address	2117 U.S. Highway 278, S.E.
City, State, ZIP	Social Circle, GA 30279
Phone number	(706) 557 3032
Email address	natural_heritage@mail.dnr.state.ga.us

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## Hawai'i Data Sets

This section contains reference information for the state of Hawai'i.

<b>Hawai'i Land Cover</b>	
Coverage	NE Coast of the Island of Hawai'i
Comments	n/a
Resolution	30 M
Minimum Mapping Unit	n/a
Map date	September 1, 1994
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	USGS Level 1,2 (12 classes)
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Craig Tasaka
Contact title	Planning Program Manager
Contact Agency	HI Office of State Planning
Address	PO Box 3540
City, State, ZIP	Honolulu, HI 96811©3540
Phone number	(808) 587 2894
Email address	n/a



## Idaho Data Sets

This section contains reference information for the state of Idaho.

<b>Idaho Land Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	1:250,000
Minimum Mapping Unit	n/a
Map date	July 1, 1992
Image date	n/a
Image type	composite
Map scale	n/a
Photo scale	n/a
Coordinate system	Lambert
Projection	n/a
Classification system	Individual system (10 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Cost of media. Free on the anonymous ftp site. Internet address: <a href="http://www.state.id.us/idwr/planpol/pechserv/resinfo/gis.html">http://www.state.id.us/idwr/planpol/pechserv/resinfo/gis.html</a>
Contact name	Mike Verdun
Contact title	GIS Analyst
Contact Agency	ID Department of Water Resources, GIS Service Center
Address	1301 N. Orchard Street

City, State, ZIP	Boise, ID 83706
Phone number	(208) 327 7882

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## Illinois Data Sets

This section contains reference information for the state of Illinois.

<b>Illinois Land Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	28.5 M
Minimum Mapping Unit	n/a
Map date	June 30, 1995
Image date	1991-1995
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	GRID TM , Zone 16
Classification system	Modified Anderson (15 classes)
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	Anticipated every 5 years

Availability	Distributed on CD free to nonprofit organizations; nominal charge for others. CD distributed with Atlas. Call (800) 528-5496 or (217) 782-8447 to order. Citation is as follows: Illinois Department of Natural Resources. 1996. Illinois Land Cover, and Atlas. Illinois Department of Natural Resources, Springfield, IL, ILDNR/EEA-96/05. Internet address <a href="http://dnr.state.il.us/ctap/ctaphome.html">http://dnr.state.il.us/ctap/ctaphome.html</a>
Contact name	Don Luman
Contact title	Associate Professor
Contact Agency	Illinois Department of the Environment and Natural Resources
Address	607 East Peabody Drive
City, State, ZIP	Champaign, IL 61820
Phone number	(217) 244-2179
Email address	ctap2@dnrmail.state.il.us

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## Indiana Data Sets

This section contains reference information for the state of Indiana.

<b>Indiana Land Cover</b>	
Coverage	Entire State
Comments	For the ongoing Indiana GAP Analysis Project. Consult GAP internet site for status of project.
Resolution	2 hectares (can be modified to suit user needs)
Minimum Mapping Unit	n/a

Map date	July 1, 1995
Image date	January 1, 1992
Image type	Landsat
Map scale	1:24,000
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified
GIS	ARC/INFO
Data Type	Raster and Vector
Next scheduled update	n/a
Availability	Cost of medium. Internet Site for Gap Analysis Program is <a href="http://www.gap.uidaho.edu/gap/">http://www.gap.uidaho.edu/gap/</a>
Contact name	Forest Clark
Contact title	Fish and Wildlife Biologist
Contact Agency	Fish and Wildlife Service - Bloomington Field Office
Address	620 S. Walker Street
City, State, ZIP	Bloomington, IN 47403
Phone number	(812) 334 4261 (x206)
Email address	forest_clark@mail.fws.gov

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## Iowa Data Sets

This section contains reference information for the state of Iowa.

<b>Iowa Land Cover</b>
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Coverage	Entire State
Comments	Developed from USGS 1:250,000 GIRAS land use files
Resolution	n/a
Minimum Mapping Unit	10 acres
Map date	January 1, 1984
Image date	January 1, 1980
Image type	aerial photographs, B/W
Map scale	n/a
Photo scale	1:250,000
Coordinate system	UTM, Zone 15
Projection	n/a
Classification system	Anderson Level 2
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Available over the internet at <a href="http://www.igsb.uiowa.edu/ftbib/gisdata/iastate/luse.txt">http://www.igsb.uiowa.edu/ftbib/gisdata/iastate/luse.txt</a>
Contact name	James Giglierano
Contact title	Research Geologist
Contact Agency	IA Department of Natural Resources, Geological Survey Bureau
Address	109 Trowbridge Hall
City, State, ZIP	Iowa City, IA 52242©1319
Phone number	(319) 335 1575
Email address	jgiglierano@gsbth@po.igsb.uiowa.edu

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## Kansas Data Sets

This section contains reference information for the state of Kansas.

### Data Sets in This Directory

[Kansas Land Cover](#)

[Kansas Land Use and Land Cover](#)

<b>Kansas Land Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	20 M
Minimum Mapping Unit	n/a
Map date	June 1, 1994
Image date	December 1, 1990
Image type	Landsat
Map scale	n/a
Photo scale	n/a
Coordinate system	State Plane
Projection	Geographic
Classification system	Anderson Modified (10 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	1998
Availability	Free from ftp site on the Data Access Support Center internet site : <a href="http://gisdasc.kgs.ukans.edu">http://gisdasc.kgs.ukans.edu</a> . Data can also be ordered on magnetic tape.
Contact name	Jerry Whistler
Contact title	Project Manager

Contact Agency	Kansas Applied Remote Sensing
Address	n/a
City, State, ZIP	n/a
Phone number	(913) 864 3107
Email address	kars@arc.kars.ukans.edu

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<b>Kansas Land Use and Land Cover</b>	
Coverage	Entire state
Comments	Data from USGS 1:250,000 land use/land cover data. Coverages are up to twenty years old.
Resolution	low
Map date	1990
Image date	varies
Image type	aerial photograph
Map scale	1:250,000
Photo scale	1:250,000
Coordinate system	UTM
Projection	n/a
Classification system	9 classes (still in GIRAS format)
GIS	GIRAS
Data Type	Vector
Next scheduled update	n/a
Availability	Free from ftp site on the Data Access Support Center internet site: <a href="http://gisdasc.kgs.ukans.edu">http://gisdasc.kgs.ukans.edu</a> . Data can also be ordered on magnetic tape
Contact name	Tom Mettille
Contact title	DASC Manager

Contact Agency	Data Access Support Center, University of Kansas
Address	1930 Constant Avenue
City, State, ZIP	Lawrence, KS 66047
Phone number	(913) 864-3965
Email address	tometile@dasc.kgs.ukans.edu

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## Kentucky Data Sets

This section contains reference information for the state of Kentucky.

### Data Sets in This Directory

[Kentucky Land Cover](#)  
[Kentucky Partial State Land Cover](#)

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<b>Kentucky Land Cover</b>	
Coverage	Entire state
Comments	U.S. Fish and Wildlife Service Mapping (National Wildlife Inventory)
Resolution	n/a
Minimum Mapping Unit	1 acre
Map date	January 1, 1992
Image date	January 1, 1986
Image type	aerial photo, color IR
Map scale	1:24,000
Photo scale	1:24,000



Coordinate system	UTM
Projection	n/a
Classification system	Wetland Taxa (150 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Available through the internet.
Contact name	Ken Bates
Contact title	Information Systems Manager
Contact Agency	KY Natural Resources and Environmental Protection Cabinet, Office of Information Services
Address	500 Mero Street, 14th floor
City, State, ZIP	Frankfort, KY 40601
Phone number	(502) 564 5174
Email address	n/a

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<b>Kentucky Land Cover Partial State Coverage</b>	
Coverage	50% of state. 55/120 counties have coal field data
Comments	Data gathered to propose presence of wetlands in coal fields to the USEPA.
Resolution	30M
Minimum mapping unit	n/a
Map date	July 1, 1994
Image date	May 1, 1993
Image type	Landsat TM and Color IR
Map scale	1:60,000
Photo scale	1:40,000

Coordinate system	UTM
Projection	n/a
Classification system	Anderson 2
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	tbs
Availability	Cost varies.
Contact name	Ken Bates
Contact title	Information System Manager
Contact Agency	KY Natural Resources and Environmental Protection Cabinet, Office of Information Services
Address	500 Mero Street 14th Floor
City, State, ZIP	Frankfort, KY 40601
Phone number	(502) 564-5174
Email address	n/a

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### Louisiana Data Sets

**Data are not currently available for this state.**

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### Maine Data Sets

This section contains reference information for the state of Maine.

<b>Maine Land Cover</b>
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Coverage	Entire state
Comments	n/a
Resolution	30 M
Minimum Mapping Unit	n/a
Map date	January 1, 1994
Image date	January 1, 1991
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	undecided
GIS	ARC/INFO
Data Type	Raster and Vector
Next scheduled update	n/a
Availability	License agreement required. \$80 for first MB, \$10 each additional MB. Data are sold in geographic blocks equivalent to 1:24,000 scale, 1:1,000,000 scale, and 1:250,000 scale quadrangles and as statewide coverages. More specific ordering information is available on: <a href="http://apollo.ogis.state.me.us/orderf.html">http://apollo.ogis.state.me.us/orderf.html</a>
Contact name	Dan Walters
Contact title	GIS Administrator
Contact Agency	Maine Office of Geographical Information Systems
Address	Statehouse Station #125
City, State, ZIP	Augusta, ME 04333
Phone number	(207)287 3897
Email address	n/a

## Maryland Data Sets

This section contains reference information for the state of Maryland.

<b>Maryland Land Cover</b>	
Coverage	Entire state by county and city
Comments	1990 land cover information
Resolution	n/a
Minimum Mapping Unit	10 acres
Map date	April 1, 1991
Image date	January 1, 1989
Image type	High altitude aerial photograph
Map scale	1:62,500
Photo scale	1:62,500
Coordinate system	MD State plane (1927)
Projection	n/a
Classification system	Anderson 2 Modified (25 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Cost = \$350.00 per county. To purchase data, contact Tom Nasuta, Office of State Planning, (410) 225 4450
Contact name	Karl Weaver
Contact title	Environmental Specialist
Contact Agency	MD Department of Environmental Management, Division of Information Systems

Address	2500 Broening Hwy
City, State, ZIP	Baltimore, MD 21224
Phone number	(410) 631 3914
Email address	n/a

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### Massachusetts Data Sets

This section contains reference information for the state of Massachusetts.

<b>Massachusetts Land Cover</b>	
Coverage	Entire state
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	1 acre
Map date	n/a
Image date	June 1, 1985
Image type	aerial photographs
Map scale	1:25,000
Photo scale	1:40,000
Coordinate system	State plane (feet)
Projection	n/a
Classification system	Unique system (based on the Anderson system) devised by William MacConnell at the Department of Forestry, University of Massachusetts, Amherst.
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	January 1, 2000

Availability	\$100.00 per tile. (Each data layer is divided into one or more tiles or coverages.) Standard format is ARC/INFO Export in the MA State Plane coordinate system. Conversion services are available for an additional \$25.00.
Contact name	Michael Trust
Contact title	DatabaseAdministrator/Cartographer
Contact Agency	Massachusetts Geographical Information Systems, Executive Office of Environmental Affairs
Address	20 Somerset Street, 3rd Floor
City, State, ZIP	Boston, MA 02108
Phone number	410-277-6483 X327
Email address	n/a

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### Michigan Data Sets

This section contains reference information for the state of Michigan.

<b>Michigan Land Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	2 acres
Map date	January 1, 1988
Image date	January 1, 1978
Image type	aerial photograph
Map scale	1:24,000

Photo scale	1:24,000
Coordinate system	MI State Plane
Projection	n/a
Classification system	Anderson 3 Modified (50 classes)
GIS	Intergraph
Data Type	Vector
Next scheduled update	n/a
Availability	Contact Don MacDonald at (517) 373 2534. Additional information available from <a href="http://www.dnr.state.mi.us/www/red/miris/miris.html">http://www.dnr.state.mi.us/www/red/miris/miris.html</a>
Contact name	Sherman Hollander
Contact title	Cartographer
Contact Agency	Michigan Department of Natural Resources, Land and Water Management Division
Address	PO Box 30028
City, State, ZIP	Lansing, MI 48909
Phone number	(517) 373 9123

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## Minnesota Data Sets

This section contains reference information for the state of Minnesota.

<b>Minnesota Partial State Land Cover</b>	
Coverage	Partial State (2/3 completed)

Comments	Additional mylar maps currently being digitized. Additional 10-20 percent of state coverage expected to be completed by early 1997. Contractor gathering data from Landsat (different format) for NE portion of state (anticipated completion date June 1997).
Resolution	n/a
Minimum Mapping Unit	2 acres
Map date	July 1, 1997
Image date	January 1, 1990
Image type	Landsat TM, aerial photograph color IR
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM, Zone 15
Projection	n/a
Classification system	Anderson 2 Modified (16 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Contact John Hoshal, Land Management Information Center, (612) 296-1202. Available through an FTP site for a nominal charge. Internet site <a href="http://www.lmic.state.mn.us">http://www.lmic.state.mn.us</a> .
Contact name	Nancy Rader
Contact title	GIS Specialist
Contact Agency	Minnesota Department of Natural Resources
Address	500 Lafayette
City, State, ZIP	St. Paul, MN 55155
Phone number	(612) 297-3281
Email address	lmic@mnplan.state.mn.us



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## Mississippi Data Sets

This section contains reference information for the state of Mississippi.

### Data Sets in This Directory

[Mississippi Land Cover Data Set #1](#)

[Mississippi Land Cover Data Set #2](#)

[Mississippi Land Cover Data Set #3](#)

[Mississippi Land Cover Data Set #4](#)

[Mississippi Land Cover Data Set #5](#)

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<b>Mississippi Land Cover Data Set #1</b>	
Coverage	Entire state
Comments	n/a
Resolution	30M/pixel, 0.25 acres
Minimum mapping unit	n/a
Map date	December 1, 1995
Image date	July 1, 1993
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson modified (25 classes)
GIS	ERDAS, ARC/INFO
Data Type	Raster and Vector

Next scheduled update	December 31, 1996
Availability	Handling fee charged for data acquisition
Contact name	Walter Belokon
Contact title	GIS Specialist
Contact Agency	Mississippi Automated Resources Information System (MARIS)
Address	3825 Ridgewood Road
City, State, ZIP	Jackson, MS 39211
Phone number	(601) 982-6353
Web site	<a href="http://www.maris.state.ms.us">http://www.maris.state.ms.us</a>

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<b>Mississippi, Jackson County Land Cover, 1989</b>	
Coverage	Jackson County, MS 1989
Comments	n/a
Resolution	30M
Minimum mapping unit	n/a
Map date	September 1, 1992
Image date	December 1, 1989
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	EMAP modified (19 classes)
GIS	ERDAS
Data Type	Raster and Vector
Next scheduled update	n/a
Availability	Handling fee charged for data acquisition

Contact name	Walter Belokon
Contact title	GIS Specialist
Contact Agency	Mississippi Automated Resources Information System (MARIS)
Address	3825 Ridgewood Road
City, State, ZIP	Jackson, MS 39211
Phone number	(601) 982-6353
Web site	<a href="http://www.maris.state.ms.us">http://www.maris.state.ms.us</a>

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<b>Mississippi Landcover SW Corner of State</b>	
Coverage	SW Corner, 0.25 state coverage
Comments	n/a
Resolution	250M
Minimum mapping unit	n/a
Map date	May 1, 1991
Image date	June 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 1 modified (10 classes)
GIS	ERDAS
Data Type	Raster and Vector
Next scheduled update	n/a
Availability	Handling fee charged for data acquisition
Contact name	Walter Belokon
Contact title	GIS Specialist

Contact Agency	Mississippi Automated Resources Information System (MARIS)
Address	3825 Ridgewood Road
City, State, ZIP	Jackson, MS 39211
Phone number	(601) 982-6353
Web site	<a href="http://www.maris.state.ms.us">http://www.maris.state.ms.us</a>

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<b>Mississippi Land Cover, North 50% of State</b>	
Coverage	North 50% of state
Comments	n/a
Resolution	50M
Minimum mapping unit	n/a
Map date	September 1, 1994
Image date	September 1, 1987
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 1 modified (10 classes)
GIS	ERDAS
Data Type	Raster and Vector
Next scheduled update	n/a
Availability	Handling fee charged for data acquisition
Contact name	Walter Belokon
Contact title	GIS Specialist
Contact Agency	Mississippi Automated Resources Information System (MARIS)

Address	3825 Ridgewood Road
City, State, ZIP	Jackson, MS 39211
Phone number	(601) 982-6353
Web site	<a href="http://www.maris.state.ms.us">http://www.maris.state.ms.us</a>

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<b>Mississippi Land Cover</b>	
Coverage	50% of state river basins
Comments	n/a
Resolution	250M down to 50 M
Minimum Mapping Unit	n/a
Map date	n/a
Image date	January 1, 1987
Image type	Landsat MSS
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	10 classes
GIS	ERDAS
Data Type	Raster
Next scheduled update	n/a
Availability	Handling fee charged for data acquisition
Contact name	Walter Belokon
Contact title	GIS Specialist
Contact Agency	Mississippi Automated Resources Information System (MARIS)
Address	3825 Ridgewood Road
City, State, ZIP	Jackson, MS 39211

Phone number	(601) 982©6353
Web site	<a href="http://www.maris.state.ms.us">http://www.maris.state.ms.us</a>

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### Missouri Data Sets

**Data are not currently available for this state.**

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### Montana Data Sets

This section contains reference information for the state of Montana.

### Data Sets in This Directory

- [Montana, Upper Clark Fork River Land Cover](#)
- [Montana - One kilometer AVHRR landcover grid](#)
- [Montana 1:250,000 Scale Land Use](#)
- [Montana Major Land Uses](#)

<b>Montana, Upper Clark Fork River Land Cover</b>	
Coverage	Partial state: Four corners are near Missoula, Dillon, Helena, and Salmon, ID.
Comments	Classified Landsat Thematic Mapper 30 meter image. Project done by the University of Texas for Environmental Monitoring Systems Lab in Las Vegas, NV.
Resolution	30 M

Minimum Mapping Unit	n/a
Map date	September 15, 1994
Image date	August 19, 1987
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	Albers Conic Equal Area
Classification system	Individual system (10 classes) similar to USGS Level I
GIS	ARC/INFO export version 7.0.2
Data Type	Raster
Next scheduled update	n/a
Availability	Contact MT State Library for availability (homepage: <a href="http://nris.mt.gov/nsdi/nris">http://nris.mt.gov/nsdi/nris</a> ). Data available as 8 mm tape cartridge, 1/4 inch tape cartridge, 9-track tape, or 3.5 inch floppy disk (DOS). For-profit organizations must pay costs for reproducing data.
Contact name	Fred Gifford
Contact title	GIS Coordinator
Contact Agency	MT State Library
Address	1515 East 6 Avenue
City, State, ZIP	Helena, MT 59620-1800
Phone number	(406) 444-5357
Email address	fgifford@nris.mt.gov

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Coverage	Entire State
Comments	Land cover for Montana created by the EROS Data Center from Advanced Very High Resolution Radiometer data.
Resolution	1 km
Minimum Mapping Unit	n/a
Map date	May 14, 1992
Image date	April 1, 1990 to October 31, 1990
Image type	AVHRR
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	Albers Conic Equal Area
Classification system	Similar to USGS Level I, with some specific vegetation types (corn, aspen, etc.)
GIS	ARC/INFO version 6.1.1
Data Type	Raster
Next scheduled update	n/a
Availability	Contact MT State Library for availability (homepage: <a href="http://nris.mt.gov/nsdi/nris">http://nris.mt.gov/nsdi/nris</a> ). Data available as 8 mm tape cartridge, 1/4 inch tape cartridge, 9-track tape, or 3.5 inch floppy disk (DOS). For-profit organizations must pay costs for reproducing data.
Contact name	Fred Gifford
Contact title	GIS Coordinator
Contact Agency	MT State Library
Address	1515 East 6 Avenue
City, State, ZIP	Helena, MT 59620-1800
Phone number	(406) 444-5357
Email address	fgifford@nris.mt.gov



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<b>Montana - 1:250,000 Scale Land Use</b>	
Coverage	Entire State
Comments	Derived from USGS GIRAS files. USGS files were converted to Arc/Info format, transformed to UTM coordinates, and projected to Albers Conical Equal Area. Library tiles have varying source dates (1970 to 1985).
Resolution	n/a
Minimum Mapping Unit	10 acres for urbanized areas, 40 acres for non-urban
Map date	February 1, 1992
Image date	January 1, 1970 to January 1, 1980
Image type	Aerial photographs
Map scale	1:250,000
Photo scale	n/a
Coordinate system	UTM
Projection	Albers Conic Equal Area
Classification system	Similar to USGS Level II
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Contact MT State Library for availability (homepage: <a href="http://nris.mt.gov/nsdi/nris">http://nris.mt.gov/nsdi/nris</a> ). Data available as 8 mm tape cartridge, 1/4 inch tape cartridge, 9-track tape, or 3.5 inch floppy disk (DOS). For-profit organizations must pay costs for reproducing data.
Contact name	Fred Gifford
Contact title	GIS Coordinator
Contact Agency	MT State Library

Address	1515 East 6 Avenue
City, State, ZIP	Helena, MT 59620-1800
Phone number	(406) 444-5357
Email address	fgifford@nris.mt.gov

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<b>Montana Major Land Uses</b>	
Coverage	Entire State
Comments	Major land uses in Montana scanned from the 1970 National Atlas of the United States.
Resolution	n/a
Minimum Mapping Unit	Approximately 10,000 acres
Map date	January 1, 1992
Image date	January 1, 1950 to January 1, 1967
Image type	Digitized from National Atlas map of the United States
Map scale	1:750,000
Photo scale	n/a
Coordinate system	State Plane
Projection	n/a
Classification system	Similar to USGS Level I
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Contact MT State Library for availability (homepage: <a href="http://nris.mt.gov/nsdi/nris">http://nris.mt.gov/nsdi/nris</a> ). Data available as 8 mm tape cartridge, 1/4 inch tape cartridge, 9-track tape, or 3.5 inch floppy disk (DOS). For-profit organizations must pay costs for reproducing data.

Contact name	Fred Gifford
Contact title	GIS Coordinator
Contact Agency	MT State Library
Address	1515 East 6 Avenue
City, State, ZIP	Helena, MT 59620-1800
Phone number	(406) 444-5357
Email address	fgifford@nris.mt.gov

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## Nebraska Data Sets

This section contains reference information for the state of Nebraska.

### Data Sets in This Directory

[Nebraska Land Cover](#)  
[Nebraska Partial State Land Cover](#)

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Nebraska Land Cover	
Coverage	Entire State
Comments	Vector data edge matched and edited by EPA region VII; data derived from USGS 1:250,000 land use land cover database.
Resolution	n/a
Minimum Mapping Unit	10 acres by 660 feet
Map date	n/a
Image date	varies
Image type	aerial photographs

Map scale	1:250,000
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Level 2
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Can acquire data through CALMIT or the USGS. See CALMIT home page for more information: <a href="http://www.calmit.unl.edu/calmit.html">http://www.calmit.unl.edu/calmit.html</a>
Contact name	James Merchant
Contact title	n/a
Contact Agency	Center for Advanced Land Management Information technologies (CALMIT)
Address	University of Nebraska
City, State, ZIP	n/a
Phone number	(402) 472 7531

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<b>Nebraska Land Cover, Partial State Coverage</b>	
Coverage	Partial State, 64 of 93 counties completed
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	8 acres
Map date	January 1, 1990
Image date	December 1, 1983
Image type	aerial photograph
Map scale	1 inch = 1 mile

Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Individual system (20 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Cost of medium if provided in-house. Free of charge over the internet at <a href="http://www.nrc.state.ne.us">http://www.nrc.state.ne.us</a>
Contact name	Steve Rathje
Contact title	GIS Analyst
Contact Agency	NE Natural Resources Information
Address	PO Box 974876
City, State, ZIP	Lincoln, NE 68509
Phone number	(402) 471-2081
Email address	bansal@nrcdec.nrc.state.ne.us

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## Nevada Data Sets

This section contains reference information for the state of Nevada.

<b>Clark County, Nevada Land Cover</b>	
Coverage	Clark County, NV
Comments	Data for Traffic Analysis Zone (TAZ) and Land Use Inventory 1995. Internet installation in progress, check Regional Transportation Commission home page for status.

Resolution	0.25 acres/pixel
Minimum Mapping Unit	n/a
Map date	1995
Image date	varies
Image type	aerial photograph
Map scale	n/a
Photo scale	n/a
Coordinate system	NV State Plane
Projection	n/a
Classification system	System devised at UNLV
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Data available. Data will be available on internet by the end of 1996.
Contact name	Bob Palm
Contact title	GIS Analyst
Contact Agency	Regional Transportation Commission
Address	301 East Clark Avenue
City, State, ZIP	Las Vegas, NV 89101
Phone number	(702) 455 4481
Email address	n/a

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## New Hampshire Data Sets

This section contains reference information for the state of New Hampshire.

## Data Sets in This Directory

New Hampshire Land Cover  
New Hampshire Partial State Land Cover

<b>New Hampshire Land Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	30M/pixel
Minimum mapping unit	0.2 acre
Map date	January 1, 1993
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	NH State Plane (feet)
Projection	n/a
Classification system	Anderson 1 Modified (13 classes)
GIS	ARC/INFO GRID
Data Type	Raster
Next scheduled update	n/a
Availability	Data available at no charge on the internet at <a href="http://nhresnet.sr.unh.edu/granit/data/catalog">http://nhresnet.sr.unh.edu/granit/data/catalog</a> ; otherwise, data available for \$75 per MB. For purchasing information, contact Fay Rubin, UNH, Complex Systems Research Center, Morse Hall, Durham, NH 03824. Phone: (603) 862 1792.
Contact name	Jim McLaughlin
Contact title	Senior Planner

Contact Agency	New Hampshire Office of State Planning
Address	2 and one half Beacon Street
City, State, ZIP	Concord, NH 03301
Phone number	(603) 271 2155

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<b>New Hampshire Partial State Land Cover</b>	
Coverage	Partial state: Coos County, Grafton County, Carroll County, Strafford County, and Rockingham County
Comments	5 of 10 counties completed. Remaining 5 to be completed by 2000.
Resolution	30 M/pixel
Minimum Mapping Unit	0.2 acres
Map date	September 1, 1993
Image date	January 1, 1990
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	NH State Plane (feet)
Projection	n/a
Classification system	Anderson 1 Modified (23 classes)
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	January 1, 2000



Availability	Data available at no charge on the internet at <a href="http://nhresnet.sr.unh.edu/granit/data/catalog">http://nhresnet.sr.unh.edu/granit/data/catalog</a> ; otherwise, data available for \$75 per MB. For purchasing information, contact Fay Rubin, UNH, Complex Systems Research Center, Morse Hall, Durham, NH 03824. Phone: (603) 862 1792.
Contact name	Jim McLaughlin
Contact title	Senior Planner
Contact agency	New Hampshire Office of State Planning
Address	2 and one half Beacon Street
City, State, ZIP	Concord, NH 03301
Phone number	(603) 271 2155

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### New Jersey Data Sets

This section contains reference information for the state of New Jersey.

<b>New Jersey Land Cover</b>	
Coverage	Entire state
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	2.5 acres
Map date	January 1, 1995
Image date	January 1, 1986
Image type	aerial photograph
Map scale	1:24,000
Photo scale	1:58,000

Coordinate system	State plane (feet) NAD 83
Projection	n/a
Classification system	Anderson 2
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	January 1, 1999
Availability	Contact the Map Sales Office at (609) 777 1039. Available on 3 CD ROMs for \$30.00 each. Data in ARC/INFO export format for DOS.
Contact name	Larry Thorton
Contact title	Research Scientist, GIS
Contact Agency	NJ Department of Environmental Protection and Energy, Office of Information Resources Management, Bureau of Geographic Information and Analysis
Address	CN 428
City, State, ZIP	Trenton, NJ 08625
Phone number	(609) 633 8144
Email address	lthorton@dep.state.nj.us

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## **New Mexico Data Sets**

This section contains reference information for the state of New Mexico.

### **Data Sets in This Directory**

[New Mexico Land Cover](#)  
[New Mexico Vegetative Cover](#)

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<b>New Mexico Land Cover</b>	
Coverage	Entire State
Comments	Land use land cover base map for the 23 1:250,000 scale maps of NM.
Resolution	n/a
Minimum Mapping Unit	10 acres (40 ha) for urban categories, 40 acres (16 ha) for non-urban categories
Map date	November 17, 1995
Image date	January 1, 1986
Image type	Aerial photographs
Map scale	1:250,000
Photo scale	1:24,000
Coordinate system	NM State Plane
Projection	Lambert
Classification system	n/a
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Most files are \$45.00 with a \$25.00 media charge. Purchaser can provide medium. CD set of all NM coverages is available. Each CD costs \$150.00. Additional information is available on the internet at <a href="http://rgis.unm.edu:8080">http://rgis.unm.edu:8080</a>
Contact name	Amy Budge
Contact title	Geographic Data Service Manager
Contact Agency	Earth Data Analysis Center
Address	2500 Yale Boulevard S.E., Suite 100
City, State, ZIP	Albuquerque, NM 87131-6031
Phone number	(505) 277-3622

Email address	edac@spock.unm.edu
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<b>New Mexico Vegetative Cover</b>	
Coverage	Entire State
Comments	
Resolution	n/a
Map date	January 1, 1991
Image date	January 1, 1991
Image type	Paper map by Dr. William Dick©Peddie
Map scale	1:1,000,000
Photo scale	n/a
Coordinate system	New Mexico State Plane
Projection	Lambert
Classification system	tbs
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Most files are \$45.00 with a \$25.00 media charge. Purchaser can provide medium. CD set of all NM coverages is available. Each CD costs \$150.00. Additional information available on the internet at <a href="http://rgis.unm.edu:8080">http://rgis.unm.edu:8080</a>
Contact name	Amy Budge
Contact title	Geographic Data Service Manager
Contact Agency	Earth Data Analysis Center
Address	2500 Yale Boulevard S.E., Suite 100
City, State, ZIP	Albuquerque, NM 87131-6031
Phone number	(505) 277-3622

Email address

edac@spock.unm.edu

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## New York Data Sets

This section contains reference information for the state of New York.

### Data Sets in This Directory

[New York Partial State Land Cover](#)

[Adirondack Park Land Cover](#)

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<b>New York Partial State Land Cover</b>	
Coverage	52 of 57 counties
Comments	Data from property assessment maps for 52 of 57 counties. Digital data available for every parcel centroid. Boundry information not available for all counties.
Resolution	Accurate to within 10 feet
Minimum Mapping Unit	n/a
Map date	n/a
Image date	n/a
Image type	Parcel centroids
Map scale	1:4800 (Average)
Photo scale	n/a
Coordinate system	State plane (1983)
Projection	n/a
Classification system	Property Type Classification Code (similar to Anderson)

GIS	ARC/INFO
Data Type	Point
Next scheduled update	n/a
Availability	Data is available in standard format for the cost of reproduction only. (Standard format: 9 track tape, in ARC/INFO EXPORT format) Files can be customized for your system at additional cost. Costs of reproduction will be agreed on prior to creation of files.
Contact name	Eric Sheffer
Contact title	Geographical Information Systems
Contact Agency	NY Division of Equalization and Assessment
Address	16 Sheridan Avenue
City, State, ZIP	Albany, NY 12210
Phone number	(518) 486-4416
Email address	nysorps@orps.state.ny.us or eric.sheffer@orps.state.ny.us

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<b>Adirondack Park Land Cover</b>	
Coverage	Northeast New York within Adirondack Park, 6 million acres
Comments	Data from 1971, 1979, and 1983. Interpreted for each year.
Resolution	1 acre
Minimum Mapping Unit	n/a
Map date	July 1, 1989
Image date	July 1, 1983
Image type	Landsat MSS
Map scale	1:24,000

Photo scale	1:100,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified
GIS	ERDAS
Data Type	Raster
Next scheduled update	undecided
Availability	Costs of reproduction and media. Contact the Freedom of Information Officer at (518) 891-4050.
Contact name	John Banta
Contact title	Director of Planning
Contact Agency	Adirondack Park Agency
Address	P.O. Box 99
City, State, ZIP	Ray Brook, NY 12977
Phone number	(518) 891-4050
Email address	n/a

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## North Carolina Data Sets

This section contains reference information for the state of North Carolina.

## Data Sets in This Directory

[North Carolina Land Cover](#)  
[Albemarle-Pamlico Estuary Area](#)

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<b>North Carolina Land Cover</b>	
Coverage	Entire state
Comments	Will not be available until March 1997
Resolution	5 acres
Minimum Mapping Unit	n/a
Map date	January 1, 1996
Image date	November 1, 1994
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	NC State Plane
Projection	n/a
Classification system	State-determined system
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	n/a
Availability	Not available until March 1997. Contact Ken Schaeffer for purchasing information. Phone (919) 733-2090
Contact name	Zsolt Nagy
Contact title	Database Administrator
Contact Agency	Center for Geographic information Analysis
Address	115 Hillsborough Street
City, State, ZIP	Raleigh, NC 27603
Phone number	(919) 733-2090
Email address	cgia@cgia.state.nc.us

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**Albemarle-Pamlico Estuary Area**



Coverage	Albemarle-Pamlico Estuary Study Area (24,000 square miles)
Comments	Integrated into the corporate APES database. Updated frequently.
Resolution	10 acres
Minimum mapping unit	n/a
Map date	December 31, 1989
Image date	December 31, 1987
Image type	Landsat TM
Map scale	n/a
Photo scale	n/a
Coordinate system	NC State Plane
Projection	n/a
Classification system	Anderson 2 Modified
GIS	n/a
Data Type	Vector
Next scheduled update	Frequent updates
Availability	Contact Ken Schaeffer for purchasing information. Phone (919) 733-2090
Contact name	Zsolt Nagy
Contact title	Database Administrator
Contact Agency	Center for Geographic information Analysis
Address	115 Hillsborough Street
City, State, ZIP	Raleigh, NC 27603
Phone number	(919) 733-2090
Email address	cgia@cgia.state.nc.us

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## North Dakota Data Sets

This section contains reference information for the state of North Dakota.

<b>North Dakota Land Cover</b>	
Coverage	Partial State (Golden Valley, Mountrail and Stutsman Counties)
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	2 acres
Map date	December 31, 1994
Image date	June 6, 1987
Image type	Aerial photograph, color IR
Map scale	n/a
Photo scale	1:24,000
Coordinate system	UTM
Projection	n/a
Classification system	Individual System (20 classes)
GIS	LTPLUS/UNIX
Data Type	Vector
Next scheduled update	n/a
Availability	Duplication costs. Contact Ron Luethe at (701) 250 4770
Contact name	Mark Morrison
Contact title	Project Leader
Contact Agency	ND NRCS at North Dakota State University
Address	Wualster Hall
City, State, ZIP	Fargo, ND 58102
Phone number	(701) 231 7562
Email address	n/a

## Ohio Data Sets

This section contains reference information for the state of Ohio.

<b>Ohio Partial State Land Cover</b>	
Coverage	Partial State, variety of county coverages
Comments	Landsat-derived data coverage is expected to be available by 1998.
Resolution	n/a
Minimum Mapping Unit	1 acre
Map date	varies
Image date	varies
Image type	aerial photograph
Map scale	1:24,000
Photo scale	1:24,000
Coordinate system	varies
Projection	n/a
Classification system	Anderson Modified, USGS Level 4 (40 to 74 classes)
GIS	ARC/INFO, OCAP
Data Type	Vector,ARC/INFO; and Raster, OCAP
Next scheduled update	5 to 10 year updates
Availability	Contact Mike Lohrer at (614) 265-1044. Available on magnetic tape or through an anonymous FTP site upon request. Website: <a href="http://www.dnr.state.oh.us">http://www.dnr.state.oh.us</a> (Division of Real Estate)
Contact name	Wayne Channel
Contact title	Administrator, Resource Analysis

Contact Agency	Ohio Department of Natural Resources
Address	1939 Fountain Square Court, E 2
City, State, ZIP	Columbus, OH 43224
Phone number	(614) 265-6778
Email address	n/a

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### Oklahoma Data Sets

This section contains reference information for the state of Oklahoma.

<b>Oklahoma Land Cover</b>	
Coverage	Entire State
Comments	Comprehensive state coverage. Done on a county by county basis by the Natural Resources Conservation Service. Contact NRCS with questions about data.
Resolution	n/a
Minimum Mapping Unit	200 M by 200 M cells
Map date	January 1, 1989
Image date	mid 1980s
Image type	Aerial photographs, B/W
Map scale	n/a
Photo scale	1:7,920
Coordinate system	UTM
Projection	n/a
Classification system	NRCS system (99 classes)
GIS	GRASS
Data Type	Raster

Next scheduled update	n/a
Availability	Cost of duplication
Contact name	Mark Gregory
Contact title	Assistant Researcher
Contact Agency	Oklahoma State University
Address	271 Agriculture Hall
City, State, ZIP	Stillwater, OK 74078
Phone number	(405) 744 6417
Email address	n/a

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## Oregon Data Sets

This section contains reference information for the state of Oregon.

<b>Oregon Land Cover</b>	
Coverage	Entire State
Comments	Adopted by the NBS GAP Program. OR Department of Fish and Wildlife has been contracted to upgrade this coverage in 1997. Contact GAP web site for the most updated coverages.
Resolution	320 acres
Minimum Mapping Unit	n/a
Map date	February 1, 1996
Image date	July 1, 1988
Image type	Landsat MSS, TM
Map scale	n/a
Photo scale	1:250,000

Coordinate system	Lambert Equal Area
Projection	n/a
Classification system	Developed instate, similar to UNESCO/TNC/GAP
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Contact the GAP Program at the University of Idaho ( <a href="http://www.gap.uidaho.edu/gap">http://www.gap.uidaho.edu/gap</a> ) or the Oregon GIS Service Center, Department of Energy, 625 Marion Street, N.E. Salem, OR 97310. Internet site: <a href="http://www.sscgis.state.or.us">http://www.sscgis.state.or.us</a> (data from the OR GIS Service might be less recent than that on the GAP internet site).
Contact name	Blair Csuti
Contact title	n/a
Contact Agency	National Biological Service
Address	2600 SE 98th Avenue, Suite 100
City, State, ZIP	Portland, OR 97266
Phone number	(503) 231 6179

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## Pennsylvania Data Sets

This section contains reference information for the state of Pennsylvania.

<b>Pennsylvania Partial State Land Cover</b>	
Coverage	Partial State

Comments	Some digital data available. Also topographical maps and aerial photographs available.
Resolution	n/a
Minimum Mapping Unit	n/a
Map date	January 1, 1995
Image date	n/a
Image type	aerial photographs, digital orthophotos
Map scale	1:24,000
Photo scale	1:12,500
Coordinate system	Lat/Long
Projection	incompletet
Classification system	n/a
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	ongoing
Availability	For metadata or data, contact the Maps room of Pattee Library, Pennsylvania State University, (814) 863 0094
Contact name	Tom Baldwin
Contact title	Computer Systems Analyst
Contact Agency	PA Department of Environmental Resources, Bureau of Information Services
Address	P.O. Box 8761
City, State, ZIP	Harrisburg, PA 17105 8761
Phone number	(717) 772 5883
Email address	n/a

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## Rhode Island Data Sets

This section contains reference information for the state of Rhode Island.

<b>Rhode Island Land Cover</b>	
Coverage	Entire state
Comments	Land cover delineated and compiled by University of Massachusetts Department of Forestry.
Resolution	0.5 acre
Minimum Mapping Unit	n/a
Map date	February 1, 1991
Image date	January 1, 1988
Image type	Black and white stereo aerial photographs
Map scale	1:24,000
Photo scale	1:24,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified, USGS level 3
GIS	ARC/INFO
Data Type	Vector/topological
Next scheduled update	n/a
Availability	Purchaser must obtain license. Available free off of the Internet at <a href="http://www.edc.uri.edu">http://www.edc.uri.edu</a> . Available on magnetic media at \$150 for first MB, and \$100 for each remaining MB.
Contact name	John Stachelhouse
Contact title	GIS Coordinator
Contact Agency	RI Department of Administration, Division of Planning
Address	One Capitol Hill



City, State, ZIP	Providence, RI 02908
Phone number	(410)277-6483
Email address	stach@rigis.doa.state.ri.us

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## South Carolina Data Sets

This section contains reference information for the state of South Carolina.

### Data Sets in This Directory

[South Carolina Land Cover](#)  
[South Carolina Land Cover Data Set #2](#)

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South Carolina Land Cover	
Coverage	Entire State
Comments	Supported by EPA Region 4 Wetland Protection Division (Eric Hughes)
Resolution	30 meters by 30 meters
Minimum Mapping Unit	n/a
Map date	1995
Image date	January 1, 1990; 1992
Image type	Landsat TM (Bands 2 through 5) 1990 leaf on (late spring) and 1992 leaf off (winter)
Map scale	n/a
Photo scale	1:62,500
Coordinate system	UTM (zone 17)
Projection	n/a

Classification system	Anderson Modified Level 2 (16 classes)
GIS	ERDAS
Data Type	Raster
Next scheduled update	3 scheduled updates: (1) substate, developed by Coastal Change Analysis Program for 3 coastal themes, data converted to 14 NOAA classes, improved data, completion expected by March 1997; (2) multi-state, use multiple resource land characteristics system to develop hybrid for the state, Anderson Modified level 2, completion expected by June 1997; and (3) SC GAP analysis, starting point is product of first two updates, detailed vegetation, completion expected by September 1998.
Availability	Available for nominal charge. Contact the South Eastern Remote Sensing Center at (803) 734 9046.
Contact name	Francois Smith
Contact title	Remote Sensing Manager
Contact Agency	SC Department of Natural Resources, Land Resources Division
Address	2221 Divine Street, Suite 200
City, State, ZIP	Columbia, SC 29205-2474
Phone number	(803) 734-9200
Email address	francois@elmer.dnr.state.sc.us

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<b>South Carolina Land Cover Data Set #2</b>	
Coverage	Entire State
Comments	Information will be posted on the internet by early 1997. Access site through the South Carolina government home page.
Resolution	20 meters by 20 meters

Minimum mapping unit	n/a
Map date	July 1, 1990
Image date	February 1, 1989
Image type	SPOT XS
Map scale	1:40,000
Photo scale	1:500,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified Level 1,2 (10 classes)
GIS	ERDAS
Data Type	Raster
Next scheduled update	tbs
Availability	Contact the South Eastern Remote Sensing Center (SERSC) at (803) 734 9046.
Contact name	Francois Smith
Contact title	Remote Sensing Manager
Contact Agency	SC Department of Natural Resources, Land Resources Division
Address	2221 Divine Street, Suite 200
City, State, ZIP	Columbia, SC 29205(c)2474
Phone number	(803) 734 9114
Email address	francois@elmer.dnr.state.sc.us

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### South Dakota Data Sets

**Data are not currently available for this state.**

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## Tennessee Data Sets

This section contains reference information for the state of Tennessee.

<b>Tennessee Land Cover</b>	
Coverage	Entire State
Comments	Land cover data currently being developed. Projected completion date is April 1997. Consult the TVA internet site ( <a href="http://www.tva.gov">http://www.tva.gov</a> ) for the most recent data information.
Resolution	n/a
Minimum Mapping Unit	n/a
Map date	n/a
Image date	n/a
Image type	n/a
Map scale	n/a
Photo scale	n/a
Coordinate system	n/a
Projection	n/a
Classification system	n/a
GIS	n/a
Data Type	n/a
Next scheduled update	n/a
Availability	n/a
Contact name	Allen Voss
Contact title	n/a
Contact Agency	Tennessee Valley Authority
Address	1101 Market Street

City, State, ZIP	Chattanooga, TN 37402©2801
Phone number	(423) 751-2425
Email address	tvainfo@tva.gov

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## Texas Data Sets

This section contains reference information for the state of Texas.

<b>Texas Vegetative Cover</b>	
Coverage	Entire State
Comments	n/a
Resolution	120 M
Minimum Mapping Unit	n/a
Map date	January 1, 1984
Image date	January 1, 1976
Image type	Landsat MSS
Map scale	n/a
Photo scale	n/a
Coordinate system	Lambert Conic
Projection	n/a
Classification system	Modified Anderson (50 classes)
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Available over internet at <a href="http://www.tpwd.state.tx.us/admin/gis/gishome.html">http://www.tpwd.state.tx.us/admin/gis/gishome.html</a>
Contact name	Kim Ludecke

Contact title	GIS Manager
Contact Agency	TX Department of Parks and Wildlife
Address	4200 Smith School Road
City, State, ZIP	Austin, TX 78744
Phone number	(512) 389-8070
Email address	n/a

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## Utah Data Sets

This section contains reference information for the state of Utah.

<b>Utah Land Cover</b>	
Coverage	Entire State
Comments	Field-verified water related land uses. Development of internet site in progress.
Resolution	n/a
Minimum Mapping Unit	8 to 10 acres
Map date	November 1, 1993
Image date	January 1, 1989
Image type	aerial photograph, color IR
Map scale	1:24,000
Photo scale	1:24,000
Coordinate system	UTM
Projection	n/a
Classification system	Original system designed by the State of Utah (50 classes)
GIS	ARC/INFO
Data Type	Vector

Next scheduled update	January 1, 1997
Availability	Duplication costs. Contact Dave Vaughn, Agriculture, 5130 State Office Building, Salt Lake City, UT 84114. Phone (810) 538 3165
Contact name	Ann Lewis
Contact title	Water Planner
Contact Agency	UT State Division of Water Resources
Address	1636 W. North Temple
City, State, ZIP	Salt Lake City, UT 84116
Phone number	(801) 538-7287
Email address	nrwres.alewis@state.ut.use

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## Vermont Data Sets

This section contains reference information for the state of Vermont.

<b>Vermont Land Cover</b>	
Coverage	Statewide
Comments	GAP Analysis. For more information, consult the GAP Program page at <a href="http://www.gap.uidaho.edu/gap/">http://www.gap.uidaho.edu/gap/</a> .
Resolution	n/a
Minimum Mapping Unit	n/a
Map date	n/a
Image date	1994 to 1995
Image type	Landsat TM
Map scale	n/a

Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	UNESCO Classification System
GIS	ARC/INFO, ERDAS
Data Type	n/a
Next scheduled update	n/a
Availability	n/a
Contact name	David Capen
Contact title	Principal Investigator
Contact Agency	VT Cooperative Fish and Wildlife Research Unit
Address	University of Vermont
City, State, ZIP	Burlington, VT
Phone number	(802) 656 3007
Email address	capen@gavia.snr.uvm.edu
Web Site	<a href="http://www.snr.uvm.edu/projects.html">http://www.snr.uvm.edu/projects.html</a>

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## Virginia Data Sets

This section contains reference information for the state of Virginia.

<b>Virginia Partial State Land Cover</b>	
Coverage	20 counties east of Interstate 95
Comments	NOAA collects this data for their coastwatch program
Resolution	30M
Minimum Mapping Unit	n/a



Map date	January 1, 1992
Image date	January 1, 1988
Image type	LANDSAT TM
Map scale	1:24,000
Photo scale	n/a
Coordinate system	Lambert
Projection	n/a
Classification system	Individual system
GIS	ARC/INFO
Data Type	Raster
Next scheduled update	NOAA updates this every four years
Availability	Available on CD ROM for \$71.00
Contact name	Mary Hollinger
Contact title	n/a
Contact Agency	National Oceanographic Data Center
Address	SSMC3 4th Floor, 1315 East West Highway
City, State, ZIP	Silver Spring, MD 20910 3282
Phone number	(301) 713 3272 (x153)
Email address	mhollinger@nodc.noaa.gov

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## Washington Data Sets

This section contains reference information for the state of Washington.

<b>Washington Partial State Land Cover</b>	
Coverage	2 million acres of forested and agricultural land

Comments	n/a
Resolution	n/a
Minimum Mapping Unit	5 acres
Map date	n/a
Image date	n/a
Image type	aerial photo
Map scale	varies
Photo scale	1:2,000
Coordinate system	WA State Plane
Projection	n/a
Classification system	n/a
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Data available by township (\$7 per township). Contact Sandra Bahr, WA DNR GIS Service Center, (206) 902 1544.
Contact name	Ron Holman
Contact title	n/a
Contact Agency	WA Department of Natural Resources, GIS Service Center
Address	PO Box 47020
City, State, ZIP	Olympia, WA 98504©7020
Phone number	(360) 902 1532
Email address	sbjj490@wadnr.gov

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This section contains reference information for the state of West Virginia.

## Data Sets in This Directory

[West Virginia Land Cover Data Set #1](#)

[West Virginia Land Cover Data Set #2](#)

[West Virginia Land Cover Data Set #3](#)

[West Virginia Land Cover Data Set #4](#)

[West Virginia, Middle Fork Watershed Land Cover, Data Set #5](#)

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<b>West Virginia Land Cover Data Set #1</b>	
Coverage	Entire state
Comments	n/a
Resolution	30M
Minimum Mapping Unit	n/a
Map date	July 1, 1995
Image date	January 1, 1972
Image type	Landsat MSS
Map scale	n/a
Photo scale	n/a
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 1 Modified (12 Classes)
GIS	ARC/INFO
Data Type	Raster/Vector
Next scheduled update	n/a
Availability	n/a
Contact name	Charlie Yuill
Contact title	Associate Professor
Contact Agency	West Virginia University

Address	1138 Agricultural Science Building
City, State, ZIP	Morgantown, WV 26506-6108
Phone number	(304) 293-6253
Email address	n/a

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<b>West Virginia Land Cover Data Set #2</b>	
Coverage	Entire state
Comments	GIRAS U.S. Geological Survey Data
Resolution	n/a
Minimal Mapping Unit	6 to10 acres
Map date	January 1, 1977
Image date	January 1, 1976
Image type	aerial photograph
Map scale	1:250,000
Photo scale	1:70,000
Coordinate system	UTM, DDMSS
Projection	n/a
Classification system	Anderson 2
GIS	ARC/INFO
Data Type	Vector,Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Charlie Yuill
Contact title	Associate Professor
Contact Agency	West Virginia University
Address	1138 Agricultural Science Building
City, State, ZIP	Morgantown, WV 26506-6108

Phone number	(304) 293-6253
Email address	n/a

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<b>West Virginia Land Cover Data Set #3</b>	
Coverage	Entire state
Comments	GAP Analysis
Resolution	n/a
Minimal Mapping Unit	10 acres
Map date	June 1, 1995
Image date	July 1, 1993
Image type	Landsat TM
Map scale	n/a
Photo scale	25M per pixel
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 2, Society of American Foresters
GIS	ARC/INFO
Data Type	Vector,Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Charlie Yuill
Contact title	Associate Professor
Contact Agency	West Virginia University
Address	1138 Agricultural Science Building
City, State, ZIP	Morgantown, WV 26506 6108
Phone number	(304) 293 6253
Email address	n/a

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<b>West Virginia Land Cover Data Set #4</b>	
Coverage	Entire state, county by county
Comments	Natural Resources Conservation Service Data
Resolution	n/a
Minimal Mapping Unit	Unknown, less than 5 acres
Map date	January 1, 1997
Image date	January 1, 1989
Image type	aerial photograph
Map scale	1:24,000 quad maps
Photo scale	1:50,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 2, 3 Modified
GIS	ARC/INFO, GRASS
Data Type	Vector,Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Charlie Yuill
Contact title	Associate Professor
Contact Agency	West Virginia University
Address	1138 Agricultural Science Building
City, State, ZIP	Morgantown, WV 26506 6108
Phone number	(304) 293 6253
Email address	n/a

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**West Virginia Middle Fork Watershed Land Cover, Data Set #5**

Coverage	Middle Fork Watershed, 140 square miles
Comments	n/a
Resolution	n/a
Minimum Mapping Unit	2.5 acres
Map date	January 1, 1994
Image date	January 1, 1989
Image type	SPOT, NAPP photograph
Map scale	1:24,000
Photo scale	1:50,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson 2
GIS	ARC/INFO
Data Type	Vector,Raster
Next scheduled update	n/a
Availability	n/a
Contact name	Charlie Yuill
Contact title	Associate Professor
Contact Agency	West Virginia University
Address	1138 Agricultural Science Building
City, State, ZIP	Morgantown, WV 26506 6108
Phone number	(304) 293 6253
Email address	n/a

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## Wisconsin Data Sets

This section contains reference information for the state of Wisconsin.

## Wisconsin Land Cover

Coverage	Entire State
Comments	Coverage derived from the USGS Land Use and Land Cover digital dataset at 1:250,000 scale. Vegetative Cover data set expected to be completed by 1998. Check internet site for status.
Resolution	n/a
Minimum Mapping Unit	10-40 acres
Map date	1992
Image date	Late 1970s and early 1980s
Image type	aerial photographs
Map scale	n/a
Photo scale	1:60,000
Coordinate system	UTM
Projection	n/a
Classification system	Anderson Modified
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	\$75 for state coverage tile (\$50.00 ordering fee, \$25 for tile). Data also available on anonymous ftp site. More information is available on the internet site: <a href="http://www.dnr.state.wi.us">http://www.dnr.state.wi.us</a>
Contact name	John Laedlein
Contact title	GIS Technology Transfer Coordinator
Contact Agency	Wisconsin Department of Natural Resources, Bureau of Information Management, Geographic Services Section
Address	101 S. Webster Street



City, State, ZIP	Madison, WI 53707-7921
Phone number	(608) 264 8916

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## Wyoming Data Sets

This section contains reference information for the state of Wyoming.

<b>Wyoming Partial State Land Cover</b>	
Coverage	Critical agricultural areas in Wyoming
Comments	
Resolution	n/a
Minimum Mapping Unit	40 acres
Map date	December 15, 1994
Image date	January 1, 1990
Image type	Aerial photograph, color IR
Map scale	1:24,000
Photo scale	1:48,000
Coordinate system	Lambert CO
Projection	n/a
Classification system	Individual system
GIS	ARC/INFO
Data Type	Vector
Next scheduled update	n/a
Availability	Duplication costs
Contact name	Chris Arenson
Contact title	Research Associate
Contact Agency	WY Water Resources Center

Address	PO Box 3067
City, State, ZIP	Laramie, WY 82071
Phone number	(307) 742 2143
Email address	n/a

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Your [comments](#) are welcome.



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Revised *May 28, 1997*

**<http://www.epa.gov/OWOW/watershed/landcover/onefile.html>**