

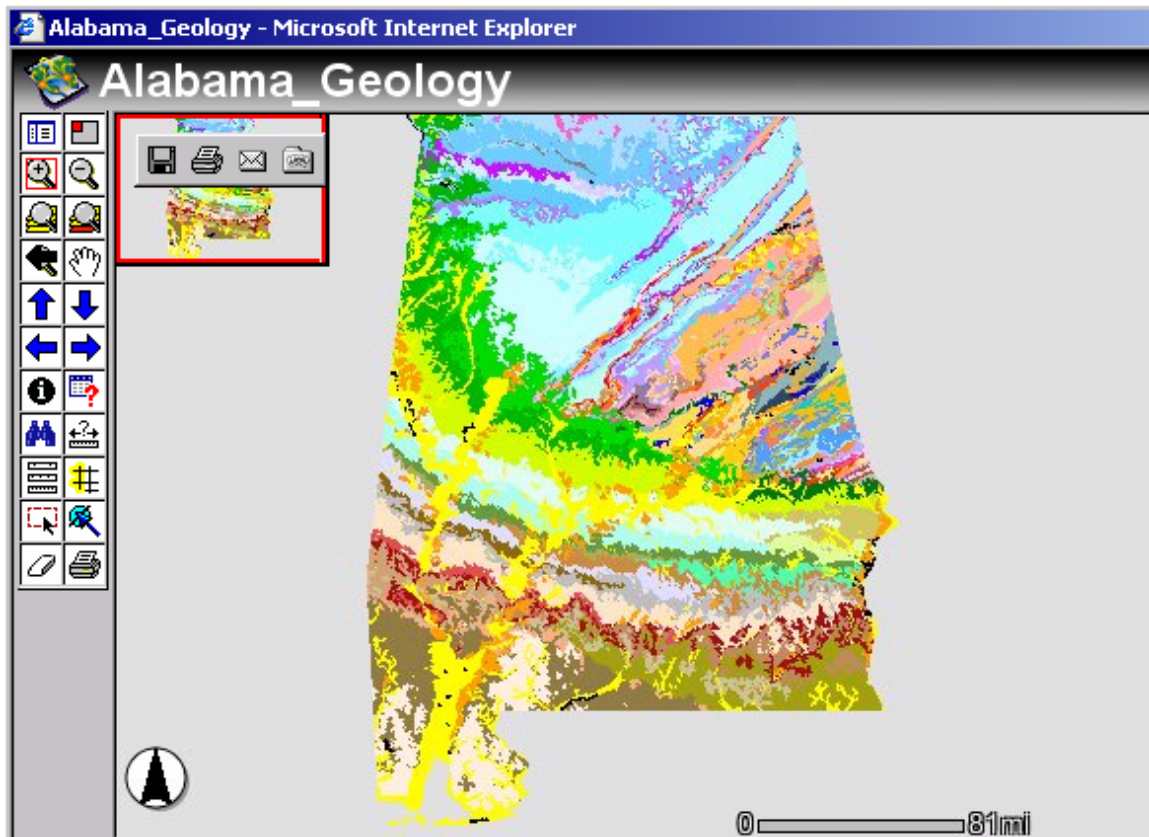
Teresa Davis  
GIS for Geology  
HW 1  
April 12, 2004

## **GIS Data for Alabama**

The state of Alabama geological survey has a very good website devoted to GIS information for the state. This website can be found at <http://www.gsa.state.al.us/gsa/GIS/GISHOME.html>. This website has four parts to it:

1. An interactive map that allows the user to view the GSA's geospatial data and maps interactively over the Internet. One map contains county boundaries, geologic units, and aquifer recharge areas. Another map contains county boundaries, boat ramps and marina locations, and streams and water bodies. Another map contains information relating to sand resource areas. An example of the interactive map is shown in Figure 1.

Figure 1- Interactive Map of Alabama Geology



With the interactive maps, you have the ability to zoom in and out or pan to an area of interest. You can hide information that is not important to you and you can query the map.

2. A geospatial data section, which allows the user to download the following information:

## **GIS DATA**

### **Digital Raster Graphics (DRGs)-Digital Topographic Maps**

- Download 1:250,000 DRGs - zip file TIF Format
- Download 1:100,000 DRGs - zip file TIF Format
- Download 1:24,000 DRGs - zip file TIF Format
- View information about the data set

### **Alabama Counties**

- Download County Coverage - zip file ArcInfo Interchange file
- Download County Shapefile - zip file ArcView Shapefile
- View information about the data set

### **Alabama Topographic Map Index**

- Download Topo Index Coverage - zip file ArcInfo Interchange file
- Download Topo Index Shapefile - zip file ArcView Shapefile
- View information about the data set

### **Alabama Hydrologic Units (HUC)**

- Download HUC Coverage - zip file ArcInfo Interchange file
- Download HUC Shapefile - zip file ArcView Shapefile
- View information about the data set

3. A metadata clearinghouse section, which is a search node for metadata and geospatial data sets that are archived by the GSA and State Oil and Gas Board.
4. A GIS links section, which provides links to other sites with GIS-related information. The links provided in this section are shown below.

## **GENERAL METADATA INFORMATION**

[NOAA ArcView\(R\) Metadata Collector v.2.0](#)

[NSGIS Metadata Primer](#)

[NY State GIS Metadata Repository](#)

[Southwest Data Center](#)

[USGS MetaMaker](#)

## **METADATA CLEARINGHOUSE NODES**

[National Geospatial Data Clearinghouse](#)  
[GSA Geospatial Data Clearinghouse Node](#)

## **GIS DATA AND SUPPORT SOURCES**

[BLM National Applied Resource Science Center](#)  
[ESRI](#)  
[GIS Data Depot](#)  
[State of Colorado Cartography Section](#)  
[MMS Gulf of Mexico Region Geographic Mapping Data](#)  
[National Atlas of the U.S. Map Layers Warehouse](#)  
[National Hydrography Dataset](#)  
[Tennessee Valley Authority Map Store](#)  
[U.S. Census Bureau - Tiger Files](#)  
[U.S. Census Bureau - 1990 Census Lookup](#)  
[U.S. EPA GIS Tools](#)  
[USDA Forest Service Southern Region-Geographic Data Center](#)  
[USDA Natural Resources Conservation Service Technical Resources](#)  
[USGS EROS Data Center](#)  
[U.S. Fish & Wildlife Service - Wetlands Interactive Mapper Tool](#)  
[U.S. Fish & Wildlife Service - GIS and Spatial Data](#)  
[USGS GEO-Data Explorer](#)  
[USGS Geographic Names Information System](#)  
[USGS Geographic Data Download](#)  
[USGS Global Land Information System](#)

## **INTERACTIVE MAP SOURCES**

[Microsoft Terra Server](#)  
[National Atlas of the United States](#)  
[Southwest Data Center](#)  
[TopoZone](#)  
[World Wide Earthquake Locator](#)  
[U.S. Census Bureau Interactive Map](#)