

ODOT - OES - GIS

"STANDARD LITERATURE SEARCH" MATERIALS

The materials consist of maps and printouts from the databases of ODOT, ODNR, USGS, OEPA, SHPO and the Bustr list.

The data presented is for the following items:

A) ECOLOGY - *If nothing is found in contact with the study area boundary for "ECOLOGY FEATURES", no mapping is produced, unless otherwise requested.*

- 1) USGS TOPO SHEET
- 2) DOQQ
- 3) OWI (On TOPO's and DOQQ'S)
- 4) LANDCOVER (On TOPO's and DOQQ'S)
- 5) LANDUSE (On TOPO's and DOQQ'S)
- 6) SOIL SURVEY (On TOPO's and DOQQ'S)
- 7) FLOODPLAINS (On TOPO and DOQQ)
- 8) ODNR "HERITAGE DATABASE" of THREATENED and ENDANGERED SPECIES
- 9) OEPA CORRIDOR MANAGEMENT ZONES and DRINKING WATER SURFACE WATER INTAKE VALVES.
- 10) NWI (AS AVAILABLE)

B) CULTURAL - *If nothing is found inside of a 2 mile buffer for "CULTURAL FEATURES", no mapping is produced, unless otherwise requested.*

- 1) HISTORIC BRIDGES
- 2) MILL'S MAP ATLAS - "WHATEVER" COUNTY PAGE
- 3) NATIONAL REGISTER SITES
 - a) SHPO DATA/STATEMENTS OF SIGNIFICANCE, ETC., FOR EACH SITE FOUND
- 4) OHIO ARCHEOLOGICAL INVENTORY SITES
- 5) OHIO HISTORICAL INVENTORY SITES
 - a) SHPO DATA/STATEMENTS OF SIGNIFICANCE, ETC., FOR EACH SITE FOUND

C) ESAIHAZARDS - *If nothing is found inside of a 2000 foot buffer for "ESAIHAZARDS FEATURES", no mapping is produced, unless otherwise requested.*

- 1) OIL AND GAS WELLS SITES
- 2) POTENTIAL CONTAMINANT SOURCE INVENTORY SITES
- 3) THE Bustr LIST
- 4) MINES
- 5) PUBLIC WATER SYSTEMS
- 6) OHIO-SOLE SOURCE AQUIFER
- 7) WELLHEAD/ SOURCE WATER PROTECTION AREAS

D) ENVIRONMENTAL JUSTICE AND PUBLIC INVOLVEMENT - from 2000 Census figures, as available and as requested.

1) DATA AT TRACT, BLOCK GROUP OR BLOCK LEVELS, DEPENDS ON AVAILABILITY

2) REVIEWS POPULATIONS AND PERCENTAGES OF MINORITY, POVERTY and ECONOMIC HARDSHIP, MINORS, ELDERLY, DISABLED, OR OTHER QUANTIFIED and CAPTURED DATA ON SOCIAL, ECONOMIC, HEALTH, EDUCATION and OTHER FACTORS OF THE HUMAN CONDITION IN THE COMMUNITY.



OTHER DATA SOURCES AVAILABLE

The type and quantity of data available to OES is an ever changing variable.

This data is in 3 basic types of equally important data:

- 1) Vector**
- 2) Raster**
- 3) Other Text/audiol/visuall/other documents**

Vector data are the points, lines and areas used to build topology. Topology is the mathematical relationship of 1 element on a map and in the database to the spatial and database attributes of all other elements in the file.

Raster data would include any and all images, such as aerial photography, USGS Topo Sheets, Satellite imagery, etc, images generally used as a background for the vector data.

The text/audiol/visuall/other documents is a general “catch all” for all other types of data to be considered. This category is the newest addition to “data types”, as such it has not been “traditionally” included in most GIS discussions. This data type is what most people would consider “extraneous” at times. It includes digital photos of locations or items, audio recordings of notes or music or sounds, connections via the web to additional information, text reports and datasets and may be used to trigger other programs or automated demos. The options are open and limited only by the person building the GIS.

Obviously, ODOT has the most up-to-date inventory of the state operated road network in Ohio. ODOT also has a substantial inventory of township, county and municipal roads, but this inventory is not as well maintained, nor is it as complete. ODOT has the bridges, culverts, signs and any other structures inventoried as they pertain to the state road network, or structures that ODOT, or the FEDS, funded. ODOT and OES use additional datasets from a number of sources. Some of the sources are:

- **Ohio Department of Natural Resources(ODNR),**
- **Ohio EPA(OEPA),**
- **Public Utilities Commission of Ohio(PUCO),**
- **US Geological Survey(USGS),**
- **US Census Bureau,**
- **Federal Highway Administration(FHWA)**
- **State Historic Preservation Office(SHPO)**
- **Bureau of Underground Storage Tank Regulation(BUSTR)**
- **Ohio Geographically Referenced Information Program(OGRIP)**
- **US FISH and Wildlife(USF&W)**
- **US Department of the Interior(USDOI)**
- **US Department of Commerce(USDOC)**
- **US Army Corps of Engineers(USACOE)**
- **US Environmental Protection Agency(USEPA)**
- **US Department of Transportation(USDOT)**
- **Metropolitan planning Organizations(MPO)**
- **other regional agencies as well as local county, township and municipal governments.**

This data is in a number of formats and versions. The biggest strength of GeoMedia, is it's ability to recognize and use so many of the more common data formats. These formats include:

- **Intergraph GeoMedia, native geoworkspaces and ACCESS databases,**
- **Intergraph MGE files,**
- **ESRI, ArcInfo coverages,**
- **ESRI, ArcView shapefiles,**
- **MAPINFO, worksets,**
- **CAD files from Microstation and Autocad and others.**
- **Text data, in a number of formats, can be used for "Geocoding" or creating "joins" or "views" in the databases. Some of the text formats can be from:**
 - **ACCESS**
 - **EXCEL**
 - **PARADOX**
 - **QUATROPRO**
 - **DBASE**
 - **ORACLE**
 - **SYBASE**
 - **WORD**
 - **WORDPERFECT**
 - **NOTEPAD**
 - **WORDPAD**
 - **ASCII text files, or others.**

Currently, ODOT servers have ODOT road inventories available for use as GeoMedia workspaces. Some other GeoMedia workspaces ODOT maintains, includes:

- **Lakes and Rivers,**
- **Active and Abandoned Railroads**
- **Railroad Crossings**
- **Bridges**
- **Historic Bridges**
- **Boundary files of Cities, Townships and Counties**
- **State and Federal level Congressional and General Assembly Districts**
- **MPO's**
- **Urbanized Areas**
- **State and National Parks**
- **Accident Sites**
- **ODOT Facilities**
- **Mileage markers on Interstates, US Highways and State Routes**
- **State Facilities**
- **Points of interest(touristy)**
- **Universities**
- **Highway Patrol offices,**
- **Airports,**
- **Heliports,**
- **Scenic Routes,**
- **Scenic Rivers**

We also have Arcview files from:

- 1) ODNr, covering Bedrock, Heritage Database of Threatened and Endangered Species, Glaciation, Karst, Mines, Park Roads, Facilities, Wetlands, and some Soils**
- 2) OEPA, covering Sole Source Aquifers, Source Water Protection Areas, Underground and Leaking Underground Storage Tanks, Oil and Gas Wells, Corridor Management Zones, Drinking Water Surface Water Intake Valves,Public Water Sources, and Potential Contaminant Sources,**
- 3) SHPO, Ohio Archeological Inventory Sites, Ohio Historical Inventory Sites, National Register Sites, National Landmark Sites, Previously Surve**
- 4) PUCO, Hospitals, High Voltage Electrical Lines, Local Telephone Access Areas, Public and Private School system districts, Wire Centers,**
- 5) CAD, Microstation CAD files of each county,**
- 6) TIGER, 1990 US Census data and some 2000 data as well,**
- 7) ESRI-DATA, general map files and information of the world, the continents, the USA and Ohio,**
- 8) IMAGES, DOQQ(digital orthorectified aerial photography), DRG(digital raster graphic - the USGS topo sheets), LANDSAT AND SPOT(satelite imagery), USGS 15 MINUTE TOPO SHEETS CIRCA 1910, AND A SERIES OF COUNTY CULTURAL MAPS PRODUCED IN THE 1960'S.**
- 9) MGE-STORMS data, the ODOT BTRS files, these are maintained on a daily basis and are the most up-to-date and complete files ODOT has.**

***** THIS DATA LIST IS ALWAYS CHANGING AND EXPANDING!! *****