



National Geospatial Program Office

Leveraging Map Services: The New Solution for Geospatial Data Sharing



2009 Spring Northeast Arc Users Group
Northampton, Massachusetts
Smith College
May 12, 2009

Sam Wear
Westchester County GIS
U.S. Geological Survey
swear@usgs.gov

Where We Came From: Old School Data Warehouses

- 1st generation data warehouses/clearinghouses / “Data Silos”
- “File” centric (coverages, shapefiles, DXF, etc)
- Often built around the premise of check-in/check-out
- Membership/Passwords not uncommon
- Download/Import (ETL: Export/Transfer/Load)
- ALWAYS data (file) currency issues
- Systems often labor intensive/costly to maintain
- Often contain limited urban/suburban infrastructure systems
 - 100/200-scale data
- Culture of data access and exploration has fundamentally changed
 - Google & other search engines / data viewers
 - Napster GIS

CUGIR: Cornell University Geospatial Information Repository

- Home
- About
- Browse
- Map browse
- Basket
- Help

Quick Links to Data

- [Agriculture Districts](#)
- [Elevation](#)
- [Freshwater Wetlands](#)
- [Census Boundaries](#)
- [Hydrography](#)
- [Statewide Data](#)
- [7.5 Minute Topographic Maps](#)
- [Soils](#)
- [Tompkins County](#)

Browse CUGIR:

Select from one or more of the lists below, then click the **select** button to review datasets matching your criteria.

Topics (what's this?)

- data for any topic
- agriculture
- biota
- boundaries
- climate
- economy
- elevation
- environment
- geology
- imagery & base maps
- inland waters
- location
- oceans and estuaries
- planning
- society
- structure
- transportation

Data Providers (what's this?)

- data from any provider
- Adirondack Park Agency
- AWS Truewind
- Cornell Department of Natural Resources
- Hudson River Estuary Program**
- Lake Ontario Biocomplexity Project
- Multi-Resolution Land Characteristics Consortium
- National Atlas
- NYS Department of Agriculture and Markets
- NYS Department of Environmental Conservation
- Tompkins County ITS/GIS
- U.S. Census Bureau
- U.S. Geological Survey
- USDA Natural Resources Conservation Service

Spatial Series (what's this?)

- data from any spatial series
- 1:24,000 quads
- 1:250,000 quads
- Adirondack Park
- Hudson River Region
- Large Scale Watersheds
- NY counties
- NY State
- Other administrative areas
- Other watersheds
- Tompkins County
- Tompkins County towns

To see all data themes, make no selections and click the **select** button. Use the control key to make multiple selections from one or more lists.



Home / GIS Data

GIS Data Search

Advanced Search

Data Set Listings

List By Dataset Name

List By Organization

List By Sector

Imagery Data Sets

Raster Imagery

Ortho Imagery

Help and Tools

GIS Tools

GIS Standards



Browse GIS Data Set Inventories



[List All Data Set Owners](#) - An alphabetic list of all data sharing cooperative members who have data sets available.



[List All Data Set Owners by Sector](#) - An alphabetic list of all data sharing cooperative members who have data sets available, grouped by business sector, e.g. "Academia", "State Government", etc..



[List Data Sets by Data Set Name](#) - An alphabetic listing of all data sets available in our inventory database.



Search GIS Data Set Inventories



Search By Owner

Search All Organizations

Search



Search By Theme

-  [List Data Set Owners](#)
 -  [List Data Set Owners by Sector](#)
 -  [List Data Sets by Name](#)
 -  [Search](#)
-  To access secured data sets you must [\[Login\]](#)

[A](#)
[B](#)
[C](#)
[D](#)
[E](#)
[F](#)
[G](#)
[H](#)
[I](#)
[K](#)
[L](#)
[M](#)
[N](#)
[O](#)
[P](#)
[Q](#)
[R](#)
[S](#)
[T](#)
[U](#)
[V](#)
[W](#)
[Z](#)

26 Data Sets Listed

	Data Set Name & Description	Member Organization (Data Set Owner)
1.	<p>Accident Locations - All traffic accident reports from 1998-2003 in database with point location, Otsego County data only.</p> <p> Data Set Details</p>	<p>Otsego County</p> <p> Member Inventory</p> <p> Member Details</p>
2.	<p>Address Points - All address locations as listed on E-911 records, updated continuously, accurate to location of building with standard address information. Scale...</p> <p> Data Set Details</p>	<p>Otsego County</p> <p> Member Inventory</p> <p> Member Details</p>
3.	<p>Address Points - Address points within Cayuga County. Vector data in ESRI shapefile format.</p> <p>  Data Set Details</p>	<p>Cayuga County</p> <p> Member Inventory</p> <p> Member Details</p>
4.	<p>Adirondack Clean Waters Initiative - Three geo-referenced databases: Location and morphometric information of all Adirondack Park lakes (from "Characteristics of New York State Lakes: Gazetteer...</p> <p> Data Set Details</p>	<p>Adirondack Aquatic Institute</p> <p> Member Inventory</p> <p> Member Details</p>
5.	<p>Adirondack Lakes - Shapefile containing outlines and names of all Adirondack lakes.</p> <p> Data Set Details</p>	<p>Paul Smith's College</p> <p> Member Inventory</p>

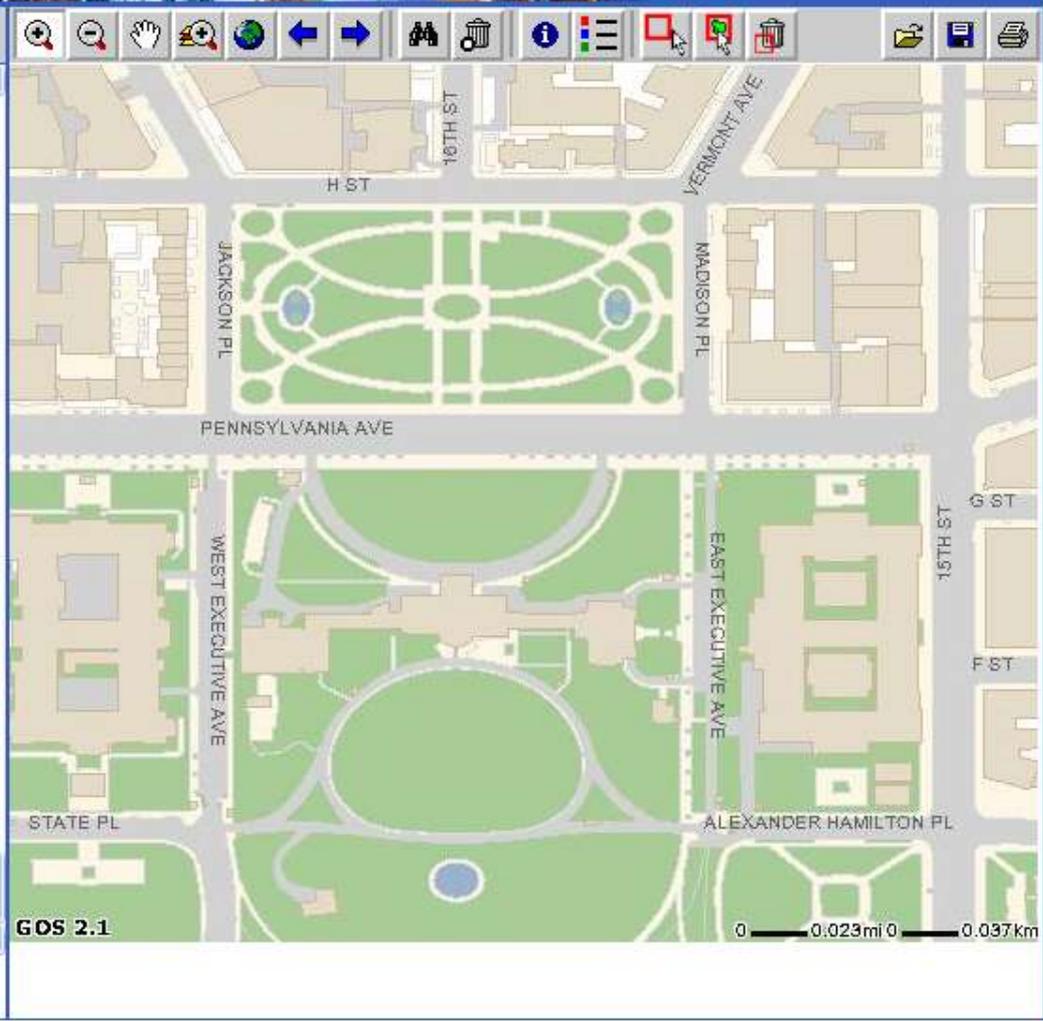
Map Services

- Most first generation services often include IMS & WMS with newer systems - ArcGIS Server, Open Source systems - offering more options
- Map services include rich content/catalogs - consumed by a growing number of clients (Google Earth, ArcGIS Explorer, NASA World Wind, GAIA 3, others)
- Most urban areas (100'-200' scale) now covered including suburban, regional fringes
- Hundreds of local and state map services now available covering large geographic footprints
- Geospatial One Stop (GOS) provides access to real-time map services from federal, state, and local governments





- INTERSTATE HIGHWAYS
 - STREET CENTERLINES
 - ROADS
 - Alleys and Parking
 - WATER
 - DC PARKS
 - PARKS
 - ESRI Park Fill
 - GENERALIZED Park Patch
 - ARCHITECT OF THE CAPITOL
 - MILITARY BASES
 - COLLEGE AND UNIVERSITY CAMPUSES
 - CEMETERIES
 - 1999 ORTHOPHOTO
 - 2002 ORTHOPHOTO
 - 2005 ORTHOPHOTO
 - 1998 ARCHIVED ROW MAPS
 - DIGITAL ELEVATION MODEL (3M)
- Overview



Log in Sign up

Help

easily and
of use and
and out,
nation.
clude: 1.)
categories
erty polygons
le by

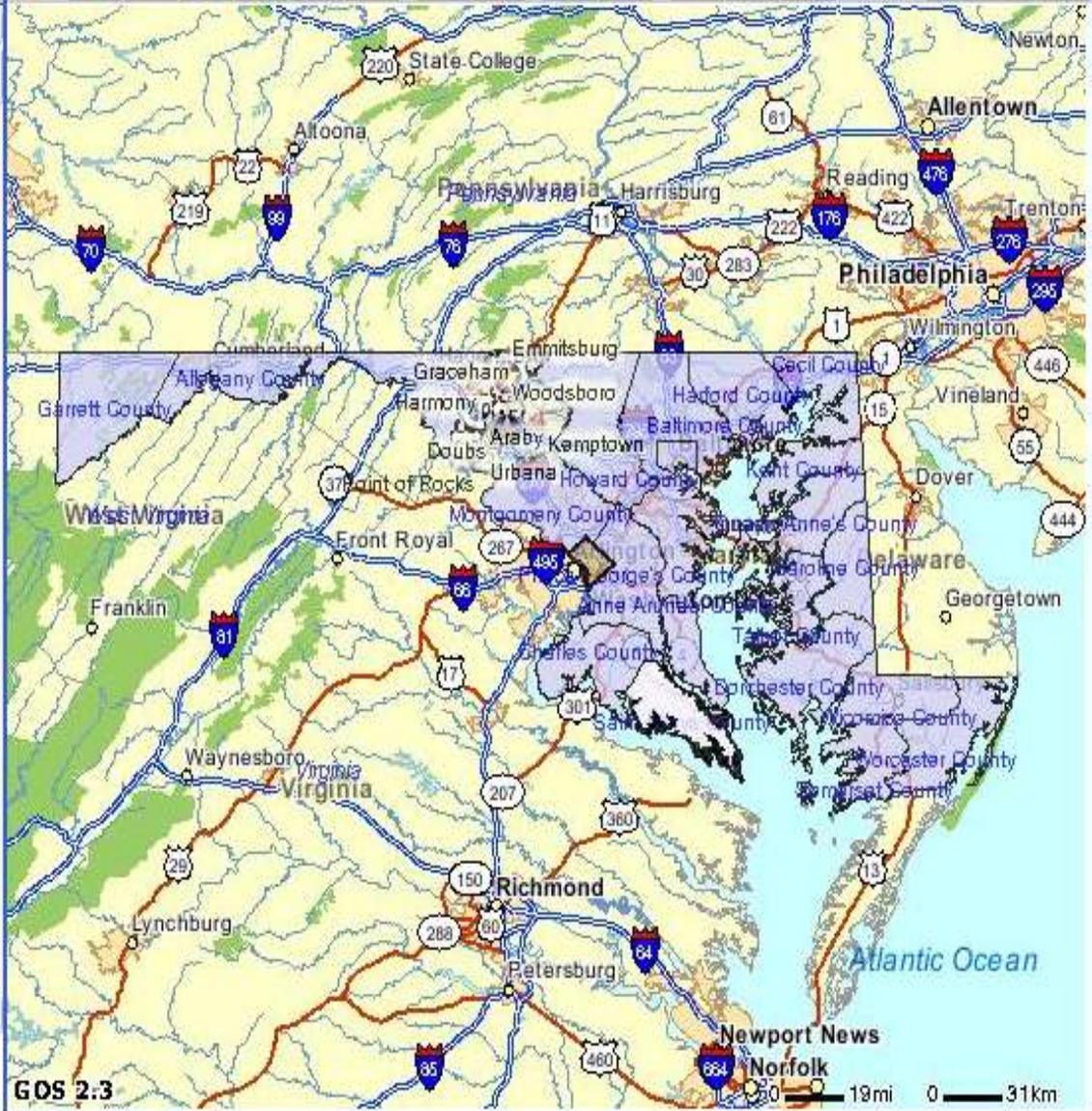
System (GIS
atasets.
sus (Block,
reams, and
ed Land Use

Home



- AllinOne
 - SENIOR SERVICE NETWORK LOCATIONS
 - METRO BUS STOPS
 - LIQUOR LICENSEES
 - HOTEL
 - POINTS OF INTEREST
 - HOMELESS SERVICES
 - AM TOWERS
 - AFRICAN-AMERICAN HERITAGE TRAIL POINTS
 - AIR EMISSION POINTS
 - AMBULATORY SURGICAL CENTERS
 - ANTENNA STRUCTURE REGISTRATION LOCATIONS
 - STORAGE TANKS - ABOVE GROUND
 - CELLULAR TOWERS
 - CHILD CARE FACILITIES

REFRESH MAP LEGEND Overview



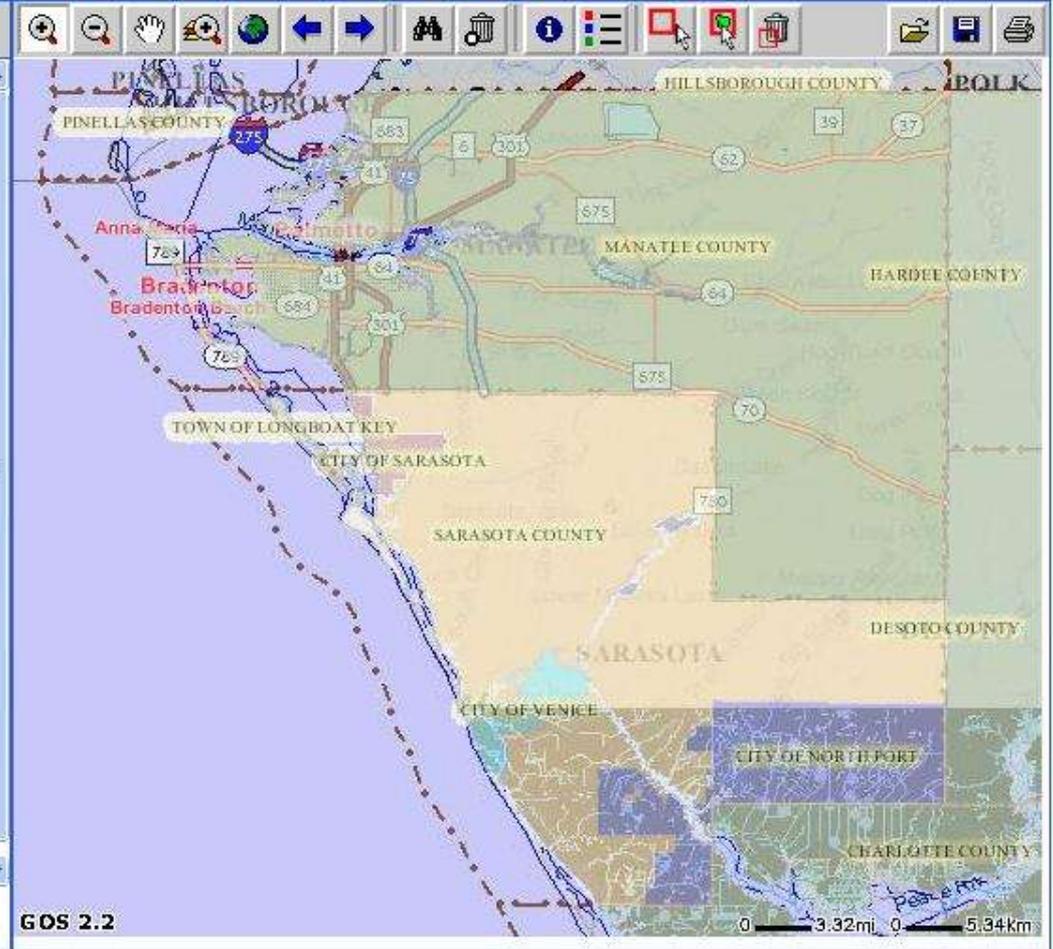
GDS 2:3

19mi 0 31km



- Basemap
- Property_Locator
- The National Map WMS
 - HYDROGRAPHY

REFRESH MAP LEGEND Overview GOS 2.2



Web Mapping Services
[Earth](#) or [ESRI ArcGIS](#)

the above-mentioned

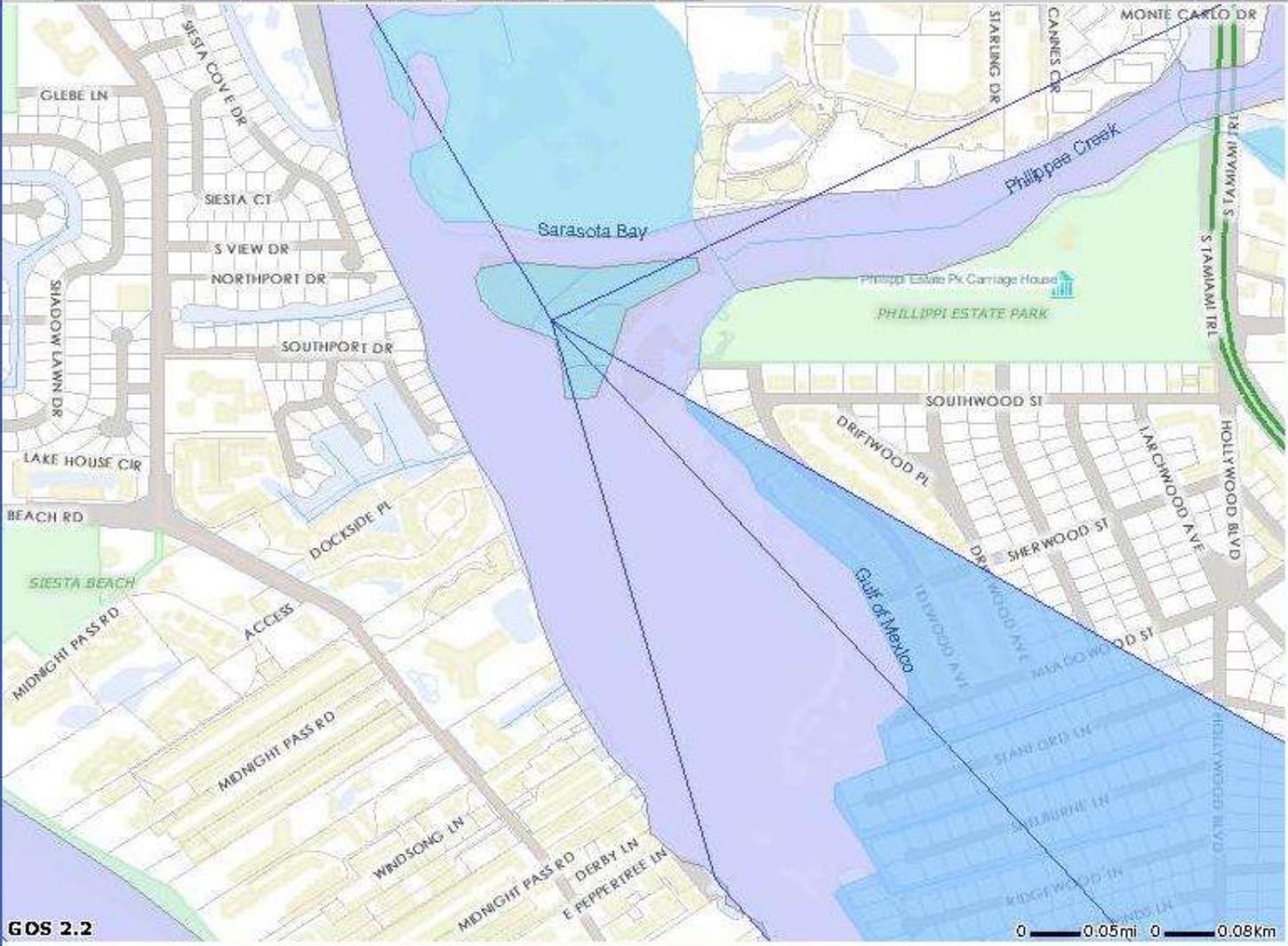
to Globe' will appear in
 the View in 3-D button

S Explorer



geodata.gov Map Viewer

Help



- The National Map WMS
 - HYDROGRAPHY
- Basemap
- Web Map Service flood
 - Coastal Barrier RS Protected Areas

REFRESH MAP LEGEND Overview

GOS 2.2

0 0.05mi 0 0.08km

Done



kcproperty

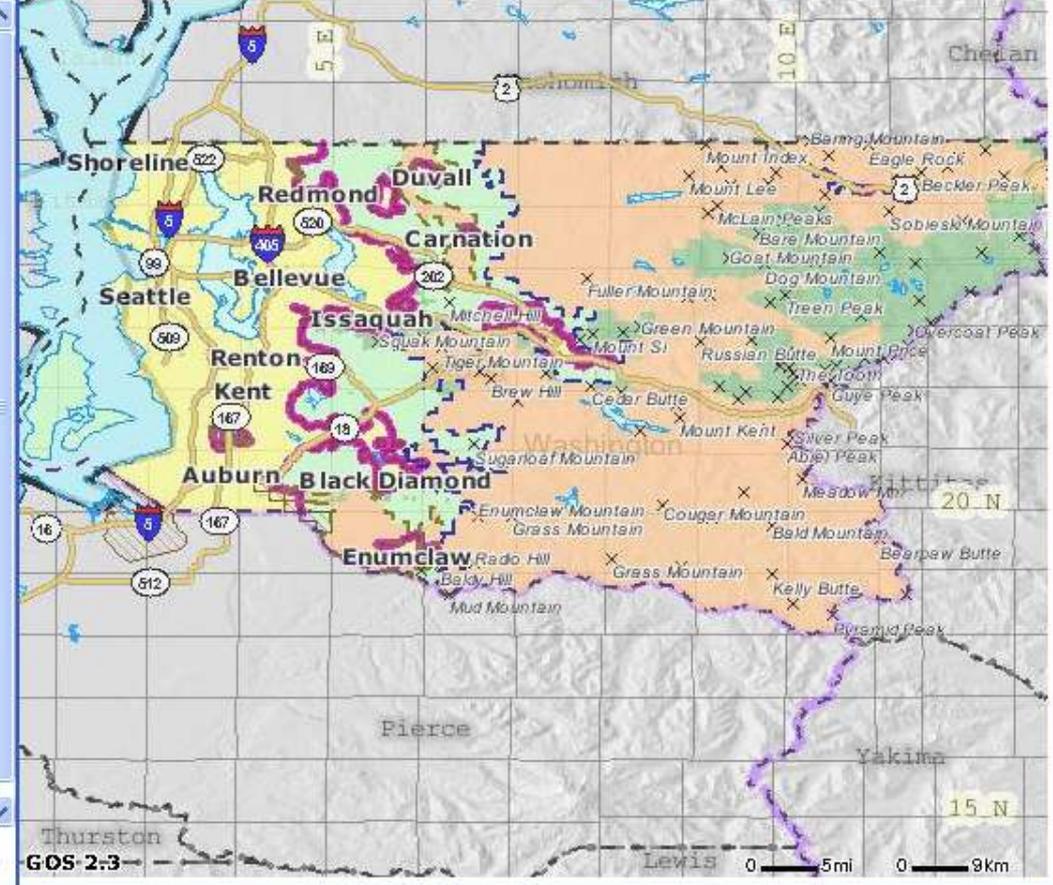
BLM_MAP_PLSS

eimweb

LEGEND

Overview

GOS 2:3



Log in Sign up

Help

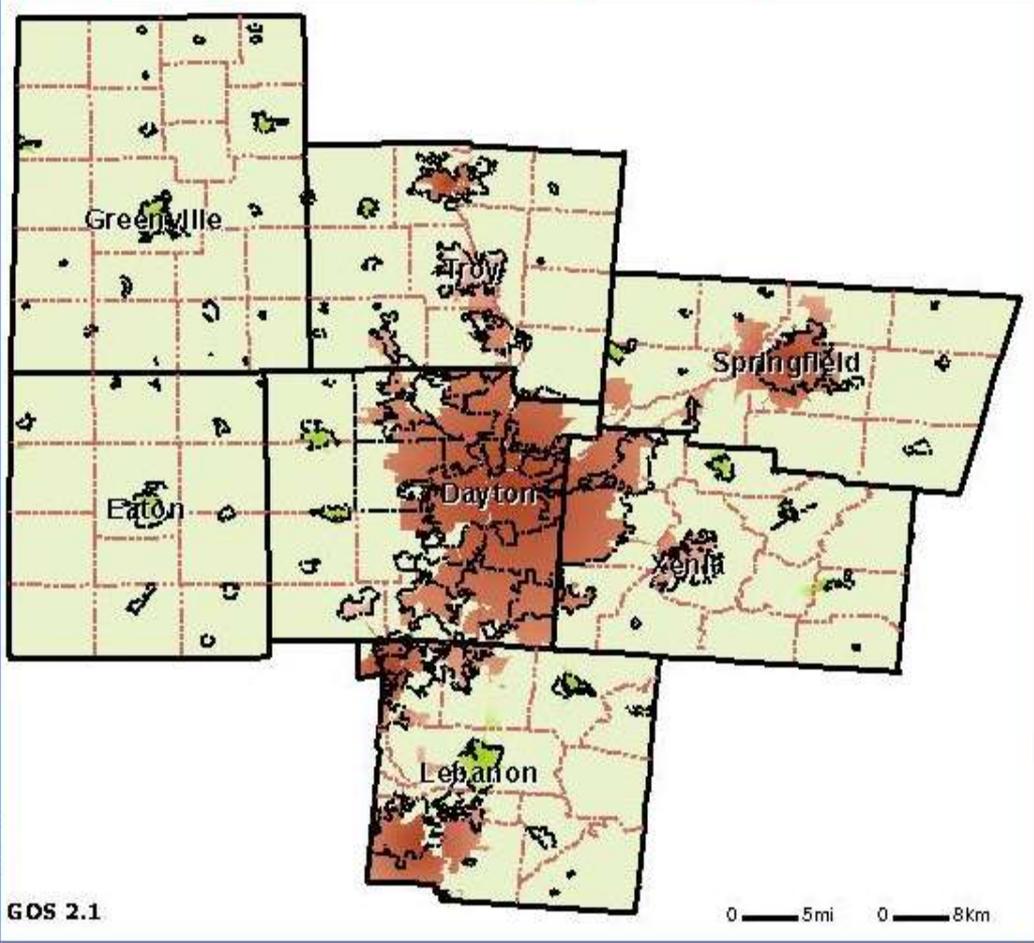
(GCDB) indicator.gov is available at stateandlocalindicator.gov, stateandlocalindicator.gov, and stateandlocalindicator.gov, as well as stateandlocalindicator.gov, stateandlocalindicator.gov, and stateandlocalindicator.gov.

0 TIGER data series, as well

- Cultural, Society and Demographic
- Elevation and Derived Products



- mvrpc_new
 - Jurisdiction Boundaries
 - Bikeways
 - Transportation Urban Boundaries
 - Rivers and Streams
 - Waterbodies
 - Traffic Analysis Zones
 - Watersheds
 - Facility Plan Areas
 - Regional Open Spaces
 - Adopted Land Use Plans
 - Regional Zoning
 - Existing Land Use/ Land Cover
 - Census Urbanized Boundaries
 - Jurisdiction Areas
- REFRESH MAP LEGEND Overview GOS 2.1



Administration Edit my profile

Log out
Assign Permissions

Help

and out,
ation.
ude: 1.)
tegories
erty polygons
e by

ystem (GIS
atasets.
us (Block,
eams, and
d Land Use

Done

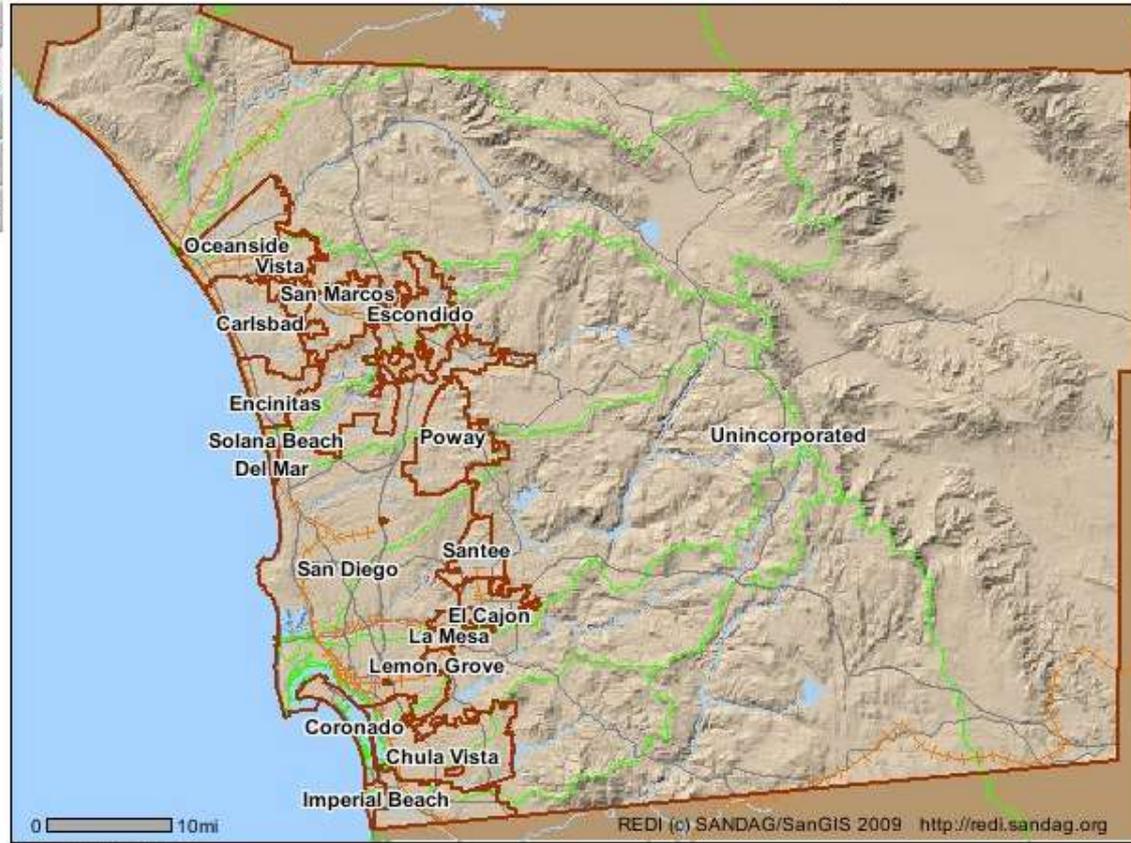
Current Featured Topic

Data Categories

Administrative and Political

City of Chicago (IL) Geospatial Viewer

Content Summary: This full feature interactive map shows streets, property, transit, aerials, senior



Zoom to:

Category

Cities City Plan Areas County Plan Areas

Area

Select... v

Reference Layers:

<input type="checkbox"/> Airports	<input checked="" type="checkbox"/> Roads
<input checked="" type="checkbox"/> Cities	<input type="checkbox"/> Road Names
<input type="checkbox"/> Elevation	<input type="checkbox"/> Traffic Volumes
<input type="checkbox"/> Flood Plains	<input type="checkbox"/> Transit
<input type="checkbox"/> Parcels	<input type="checkbox"/> Tribal Lands
<input type="checkbox"/> Plan Areas	<input checked="" type="checkbox"/> Water Features
<input checked="" type="checkbox"/> Railroads	<input checked="" type="checkbox"/> Watersheds
<input type="checkbox"/> Reuse	

Thematic Layers:

None Existing Land Use

Public Ownership Planned Land Use

Base Map:

None Terrain Photo

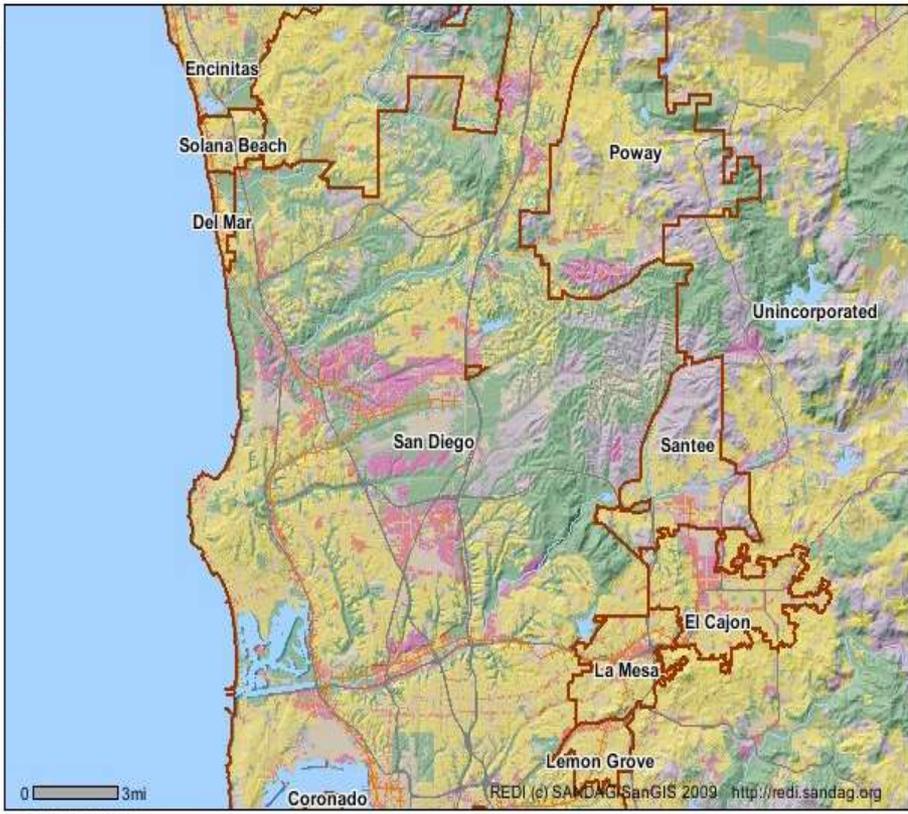
Some layers may not display at the current scale.

Refresh Map



SanGIS

REDI (c) SANDAG/SanGIS 2009 http://redi.sandag.org



Zoom to:
 Category
 Cities City Plan Areas County Plan Areas
 Area
 Select... v

Reference Layers:

<input type="checkbox"/> Airports	<input checked="" type="checkbox"/> Roads
<input checked="" type="checkbox"/> Cities	<input type="checkbox"/> Road Names
<input type="checkbox"/> Elevation	<input type="checkbox"/> Traffic Volumes
<input type="checkbox"/> Flood Plains	<input checked="" type="checkbox"/> Transit
<input type="checkbox"/> Parcels	<input type="checkbox"/> Tribal Lands
<input type="checkbox"/> Plan Areas	<input checked="" type="checkbox"/> Water Features
<input checked="" type="checkbox"/> Railroads	<input type="checkbox"/> Watersheds
<input type="checkbox"/> Reuse	

Thematic Layers:

None Existing Land Use
 Public Ownership Planned Land Use

Base Map:

None Terrain Photo

Some layers may not display at the current scale.

Refresh Map



SanGIS

location
as much information
know:

es or Intersection:
Zipcode:
the Address with:

ell me more about
e address
address

of interest
ect --
or go to a coordinate

photography
2007 Aerial Photos
2005 Aerial Photos
ay Clear Buy \$

Click or drag a rectangle on the map to:
 Recenter Zoom In Zoom Out Query a Location



print | email map | map size:

Start Over

+ show legend

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Microsoft Internet Explorer provided by Westchester Co...

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

Home

Special Interest

- Earth Information Gateway
- Fire Mapping
- Geographic Names
- GIS for the Nation
- Historical Collections
- Homeland Security
- Hurricanes
- Indian Ocean Disaster
- Lewis and Clark
- Local Government
- National Atlas
- Recreation and Tourism
- The National Map

Data Categories

- Administrative and Planning
- Agriculture and Forestry
- Atmosphere and Environment
- Biology and Ecology
- Business and Economics
- Cadastral
- Cultural, Society and Demographic
- Elevation and Derived Products

ccc

- County Boundary Outline
- Highways
- Water Bodies
- Urban Limit Line
- Supervisor Districts
- School Districts
- General Plan - Unincorporated Area
- Formed Drainage Boundaries
- FEMA Flood Plains
- City Sphere of Influence
- City Limits
- County Boundary

sfviewer

Regional_Map

REFRESH MAP LEGEND Overview

GOS 2.3

0 9mi 0 15km

Content Summary: Provides a Geographic Information System (GIS) for data regarding districts

- Special Interest**
- Earth Information Exchange Gateway
 - Fire Mapping
 - Geographic Names
 - GIS for the Nation
 - Historical Collections
 - Homeland Security
 - Hurricanes
 - Indian Ocean Disaster
 - Lewis and Clark
 - Local Governments
 - National Atlas
 - Recreation and Tourism
 - The National Map
- Data Categories**
- Administrative and Political
 - Agriculture and Farming
 - Atmosphere and Climate
 - Biology and Ecology
 - Business and Economic
 - Cadastral
 - Cultural, Society and Demographic
 - Elevation and Derived Products
 - Environment and Conservation
 - Geological and Geophysical
 - Human Health and Disease
 - Imagery and Basemaps
 - Inland Water Resources
 - Locations and Geodetic Networks
 - Oceans and Coasts
 - Transportation Networks
 - Utilities and Communication

Local Governments

State, County and Local Governments

Map Service Examples Key Resources

View Summary View Full Metadata GO TO WEBSITE ADD TO MAP ADD TO GLOBE SERVICE AVAILABILITY CONTACT OWNER

Los Angeles County Public GIS

Content Summary: GIS-NET planning and zoning for the County Department of Regional Planning
Content Type: Live data & maps

View Summary View Full Metadata

San Francisco (CA) SFViewer

Content Summary: Using an address or an image to find a location on a map, and more.
Content Type: Live data & maps

View Summary View Full Metadata

Clark County (NV) OpenWeb

Content Summary: The Clark County OpenWeb is an interactive mapping service

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Windows Internet Explorer

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=8isDefault=false

geodata.gov Map Viewer

sfviewer

- Supervisor Districts
- City Facilities
- Freeways
- Water Bodies
- City Lands
- arterial
- Bay Area Bridges
- High Resolution Photos
- Cities and Bay
- Terrain

REFRESH MAP LEGEND Overview GOS 2.3 0 0.7mi 0 1.13km

- Special Interest**
- Earth Information Exchange Gateway
 - Fire Mapping
 - Geographic Names
 - GIS for the Nation
 - Historical Collections
 - Homeland Security
 - Hurricanes
 - Indian Ocean Disaster
 - Lewis and Clark
 - Local Governments
 - National Atlas
 - Recreation and Tourism
 - The National Map
- Data Categories**
- Administrative and Political
 - Agriculture and Farming
 - Atmosphere and Climate
 - Biology and Ecology
 - Business and Economic
 - Cadastral
 - Cultural, Society and Demographic
 - Elevation and Derived Products
 - Environment and Conservation
 - Geological and Geophysical
 - Human Health and Disease
 - Imagery and Basemaps
 - Inland Water Resources
 - Locations and Geodetic Networks
 - Oceans and Coasts
 - Transportation Networks
 - Utilities and Communication

- Local Governments**
- State, County and City**
- Map Service Examples**
- Los Angeles County Department of Planning and Zoning
 - San Francisco (CA) Department of Planning and Urban Research
 - Clark County (NV) Department of Planning and Urban Research

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Windows Internet Explorer

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

sfviewer

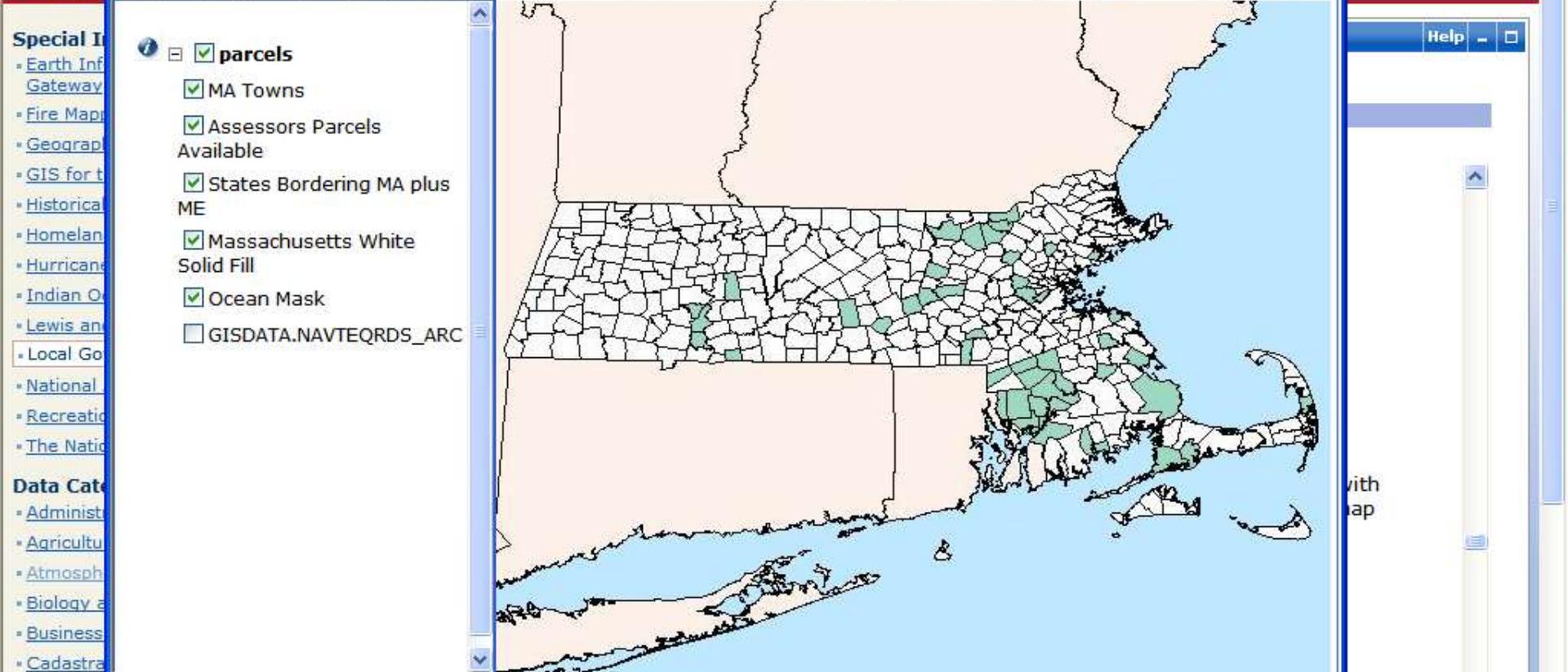
- Supervisor Districts
- City Facilities
- Freeways
- Water Bodies
- City Lands
- City Streets
- City Lots
- City Blocks
- Bay Area Bridges
- High Resolution Photos
- Cities and Bay
- Terrain

Map viewer showing street layout with parcel numbers and labels like "FIRE STATION #35/FIRE BOAT HEADQUARTERS".

Buttons: REFRESH MAP, LEGEND, Overview

Scale: 0 0.018mi 0 0.029km

Internet 100%



- parcels
 - MA Towns
 - Assessors Parcels Available
 - States Bordering MA plus ME
 - Massachusetts White Solid Fill
 - Ocean Mask
 - GISDATA.NAVTEQRDS_ARC

REFRESH MAP LEGEND Overview GOS 2.3 0 14mi 0 22km

- Special Interest**
- [Earth Information Exchange Gateway](#)
 - [Fire Mapping](#)
 - [Geographic Names](#)
 - [GIS for the Nation](#)
 - [Historical Collections](#)
 - [Homeland Security](#)
 - [Hurricanes](#)
 - [Indian Ocean Disaster](#)
 - [Lewis and Clark](#)
 - [Local Governments](#)
 - [National Atlas](#)
 - [Recreation and Tourism](#)
 - [The National Map](#)
- Data Categories**
- [Administrative and Political](#)
 - [Agriculture and Farming](#)
 - [Atmosphere and Climate](#)
 - [Biology and Ecology](#)
 - [Business and Economic](#)
 - [Cadastral](#)
 - [Cultural, Society and Demographic](#)
 - [Elevation and Derived Products](#)
 - [Environment and Conservation](#)
 - [Geological and Geophysical](#)
 - [Human Health and Disease](#)
 - [Imagery and Basemaps](#)
 - [Inland Water Resources](#)
 - [Locations and Geodetic Networks](#)
 - [Oceans and Coasts](#)
 - [Transportation Networks](#)
 - [Utilities and Communication](#)

Local Governments

State, County and

Map Service Examples

City of Milford (CT)

Content Summary

GIS program. The d information. Additi service data, and n

Content Type: Liv

[View Summary](#) [View](#)

Delaware River Basin

Content Summary

application has bee

ESRI's ArcIM

frame, a popup wir

predefined queries,

Content Type: Liv

[View Summary](#) [View](#)

Mercer County (NJ)

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Windows Internet Explorer

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

milford

- Community Resources
- Municipal Facilities
- Recreation Sites
- Schools
- Streets
- Building Footprints
- Wetlands
- Flood Zones
- Parks
- Zoning
- Tax Parcels
- Color Aerial Photos
- Aerial Photos
- Town Boundary

REFRESH MAP LEGEND Overview

GOS 2.3

0 0.017mi 0.028km

Internet 100%

- Special Interest**
- Earth Information Exchange Gateway
 - Fire Mapping
 - Geographic Names
 - GIS for the Nation
 - Historical Collections
 - Homeland Security
 - Hurricanes
 - Indian Ocean Disaster
 - Lewis and Clark
 - Local Governments
 - National Atlas
 - Recreation and Tourism
 - The National Map
- Data Categories**
- Administrative and Political
 - Agriculture and Farming
 - Atmosphere and Climate
 - Biology and Ecology
 - Business and Economic
 - Cadastral
 - Cultural, Society and Demographic
 - Elevation and Derived Products
 - Environment and Conservation
 - Geological and Geophysical
 - Human Health and Disease
 - Imagery and Basemaps
 - Inland Water Resources
 - Locations and Geodetic Networks
 - Oceans and Coasts
 - Transportation Networks
 - Utilities and Communication

- Local Governments**
- State, County and**
- Map Service Examples**
- Content type:** LIVE d
- [View Summary](#) [View](#)
- Union County (PA) Uni**
- Content Summary:** T database of digital m as parcels, municipal represented as map-f
- Content Type:** Live d
- [View Summary](#) [View](#)
- City of Bridgeport (CT)**
- Content Summary:** T accuracies, and updat topography, zoning an
- Content Type:** Live d
- [View Summary](#) [View](#)
- City of Meriden (CT) CT**

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Windows Internet Explorer

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

BridgeportCT_AMS_L

- Area Highways
- Development Areas2
- Area Towns
- Area Roads
- Voting Places
- School Buildings
- Road Centerlines
- Railroad
- Street Search
- Dimensions
- Frontage Dimensions
- Parcel ID
- Development Areas
- Paths
- Trails
- Vegetation Areas
- School Districts

REFRESH MAP LEGEND Overview

GOS 2.3

0 0.39mi 0 0.63km

geodata.gov Map Viewer



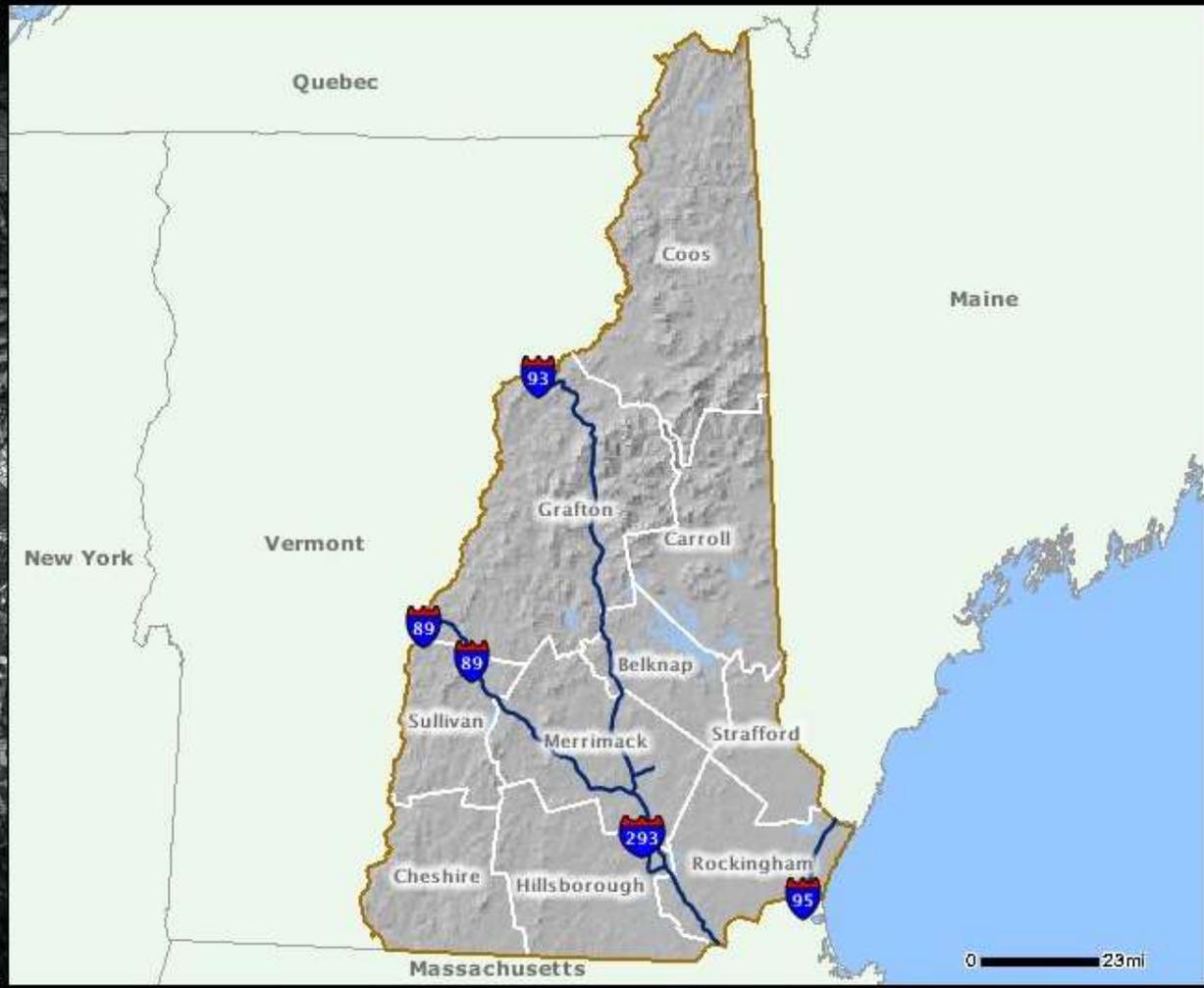
- VGIS_BASEMAP**
 - vcgi_logo
 - City Points
 - Interstates Shields
 - Interstates
 - Town Boundaries
 - Geocoding Layer
 - Lake Champlain
 - Cities
 - VT State Boundary
- REFRESH MAP LEGEND Overview





SITE HELP

NH GRANIT DATA MAPPER



BASE MAP

SELECT A THEME

LAYERS THEME TOOLS UTILITIES OPTIONS

Layer Menu

VISIBLE	ACTIVE	LABEL	LAYER NAME
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Political Boundaries
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Roads
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Bodies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Watersheds
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utilities & Telecommunications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Railroads
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hillshade
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Regional Context

GRANIT HOME ABOUT CONTACT GRANIT FAQ WHAT'S NEW! MARCH, 2009

SET SCALE: 1:2,149,542

APPLY RESULTS LEGEND

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Microsoft Internet Explorer provided by Westchester Co...
http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

Help

yorkims
 lew_public
 Saco
 POI
 Waterfront Access Points
 Easements
 Abutter Parcels
 Selected Parcels
 Traffic Signals
 Wastewater Treatment Plant
 Dams
 Zoning River Overlay
 Mobile Home Park Overlay
 Historic District
 Zoning
 Wards
 Road Labels

Overview

GOS 2.3

Internet 100%

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=ESRI_World&link=20081212172346990_1&username=

geodata.gov Map Viewer

nat_haz
endirect
Census_TIGER2000

REFRESH MAP LEGEND Overview

GOS 2.3

0 22mi 0 35km

Internet 100%

Transition Design New Slide

Type a question for help

geodata.gov Map Vie...

http://gos2.geodata.gov/arcexplorer/addservice.

geodata.gov Map Viewer

ADD SERVICES

Look In geodata.gov Map Viewer Internet Server List:

Internet Server List

Or Server URLs In Current Map:

Server URLs In Current Map

Map Server URL:

http://megisims.state.me.us

Account

Show restricted services

OK CLOSE HELP

Internet 100%

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Microsoft Internet ...

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=ESRI_World&link=20081212172346990_1&username=

geodata.gov Map Viewer

Help

- nat_haz
- encndirect
- Census_TIGER2000
- basemap
 - USGS Quadrangles
 - Maine Cities
 - Countylines
 - Major Routes
 - Towns
 - Counties
 - North East
 - Mask250
 - Hillshade
 - Road Names

REFRESH MAP LEGEND Overview

GOS 2.3

0 22mi 0 35km

javascript:zoomToVisible()

Internet 100%

Transition Design New Slide

Type a question for help

19 20

geodata.gov Map Vie...

http://gos2.geodata.gov/arcexplorer/addservice.

geodata.gov Map Viewer

ADD SERVICES

Look In geodata.gov Map Viewer Internet Server List:

Internet Server List

Or Server URLs In Current Map:

Server URLs In Current Map

Map Server URL:

http://eisweb.woodardcurran.com

Account

Show restricted services

OK CLOSE HELP

24 28

Internet 100%

Slide Sorter Desktop

start

5 Internet Expl... Inbox - Microsoft ... Westchester Coun... Microsoft PowerP...

8:14 PM



Saco

- POI
- Waterfront Access Points
- ErosionHazardArea
- Easements
- Abutter Parcels
- Selected Parcels
- Traffic Signals
- Wastewater Treatment Plant
- Dams
- Zoning River Overlay
- Mobile Home Park Overlay
- Historic District
- Zoning
- Wards
- Road Labels
- Road Centlines

REFRESH MAP LEGEND Overview

geodata.gov
U.S. MAPS & DATA

Home Search Maps

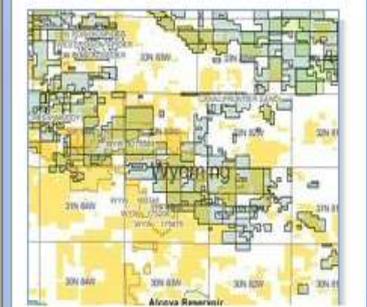
Popular Maps

Popular Maps

US Maps US State Maps Region
New... Copy Move Delete



Basic Base Map



geodata.gov Map Viewer

SAVE MY MAP

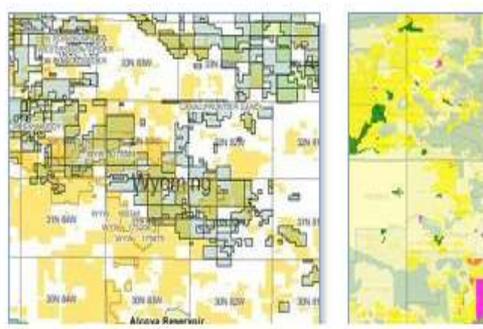
- Save My Map
- Create Map Link
- Save as Web Map Context
- Download Map Image or Data

SAVE CANCEL HELP

Internet 100%



Basic Base Map



Alicia Ramerick

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Microsoft Internet ...

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=ESRI_World&link=20081212172346990_1&username=

geodata.gov Map Viewer

Help

- Kittery
- Saco
- nat_haz
- endirect
- Census_TIGER2000
- basemap

REFRESH MAP LEGEND Overview

GOS 2.3

Internet 100%

Tools

Edit my profile

Log out

Ign Permissions

Help



Address bar: <http://www.cirgis.org/CIRGISDataView/mapviewer.jsf?width=677&height=527>

Search bar: Google

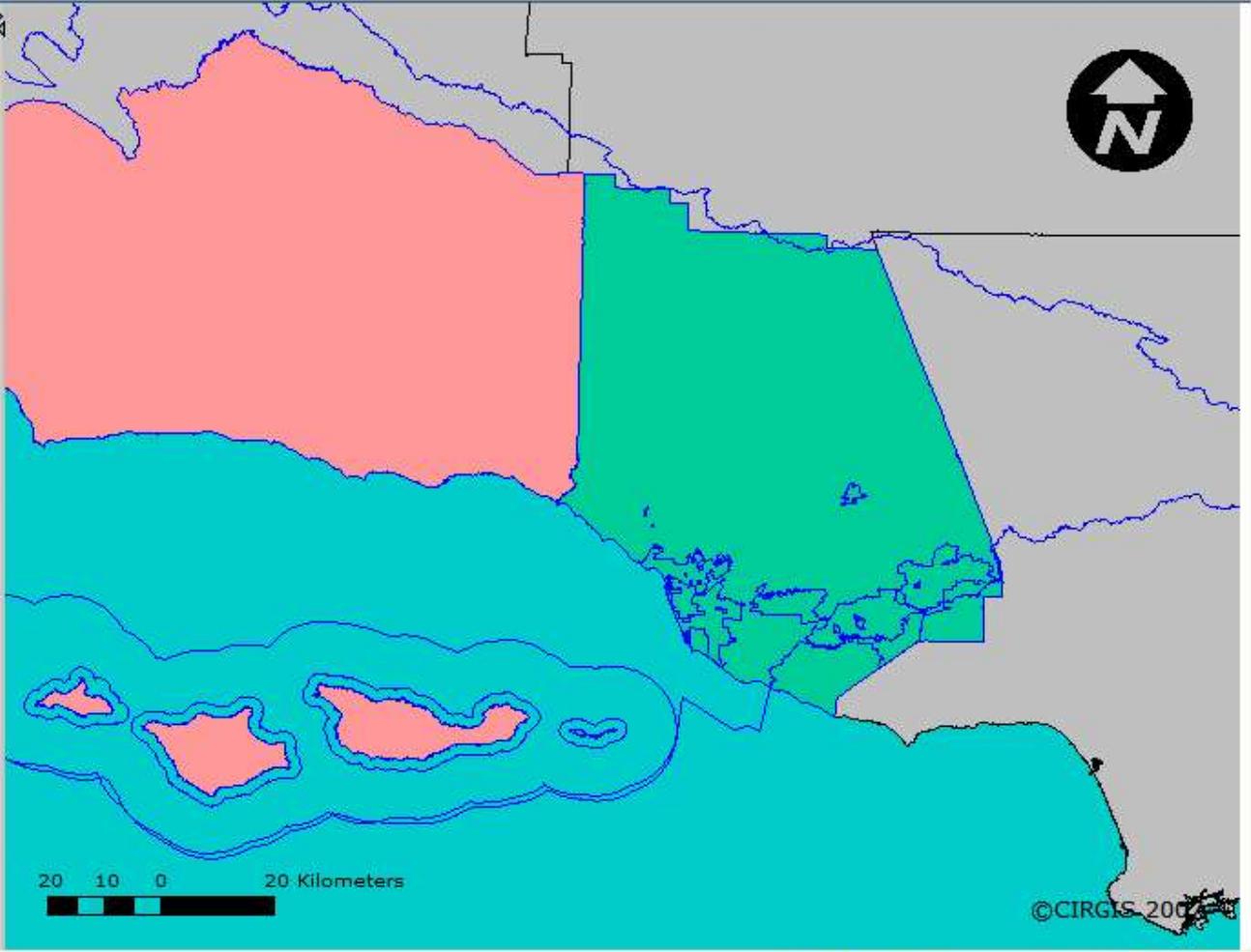
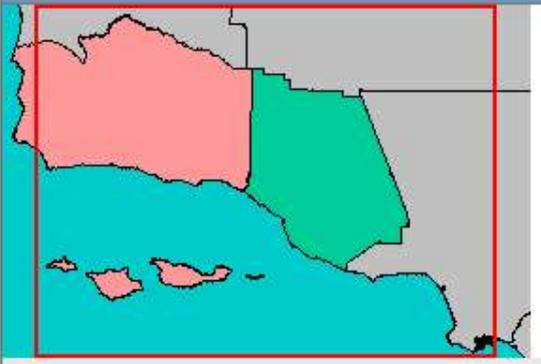
Navigation icons: Home, RSS, Print, Page, Tools

CIRGIS layer test--same as ArcIMS image service



[Help](#) | [CIRGIS home](#)

- Tasks
 - [Find Address Point](#)
 - [Find Street Address](#)
 - Results
 - Result Details >>
 - Map Contents >>
 - Navigation >>
 - Map Overview >>



©CIRGIS 2007

Windows taskbar: start button, 6 Internet Explorer, Removable Disk (D:), Microsoft PowerPoint ... 9:55 PM

Special Interest

- [Earth Information Exchange Gateway](#)
- [Fire Mapping](#)
- [Geographic Names](#)
- [GIS for the Nation](#)
- [Historical Collections](#)
- [Homeland Security](#)
- [Hurricanes](#)
- [Indian Ocean Disaster](#)
- [Lewis and Clark](#)
- [Local Governments](#)
- [National Atlas](#)
- [Recreation and Tourism](#)
- [The National Map](#)

Data Categories

- [Administrative and Political](#)
- [Agriculture and Farming](#)
- [Atmosphere and Climate](#)
- [Biology and Ecology](#)
- [Business and Economic](#)
- [Cadastral](#)
- [Cultural, Society and Demographic](#)
- [Elevation and Derived Products](#)
- [Environment and Conservation](#)
- [Geological and Geophysical](#)
- [Human Health and Disease](#)
- [Imagery and Basemaps](#)
- [Inland Water Resources](#)
- [Locations and Geodetic Networks](#)
- [Oceans and Coasts](#)
- [Transportation Networks](#)
- [Utilities and Communication](#)

geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Windows Internet Explorer

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=&isDefault=false

geodata.gov Map Viewer

- Fire Stations
- Police Stations
- Hospitals
- Parks
- Recreation Centers
- Community Centers
- Libraries
- Government Facilities
- Airports
- Major Hotel/Casinos
- Assessor Easements
- Road Easements
- Condos
- Parcels
- Local Streets
- Parcel ROW
- South County East Planned Landuse
- Lone Mountain Planned

REFRESH MAP LEGEND Overview

Done Internet 100%

oundary information.

Contact Owner

pper to display the
use map, zoning

Contact Owner

garding land use
e Los Angeles

Contact Owner

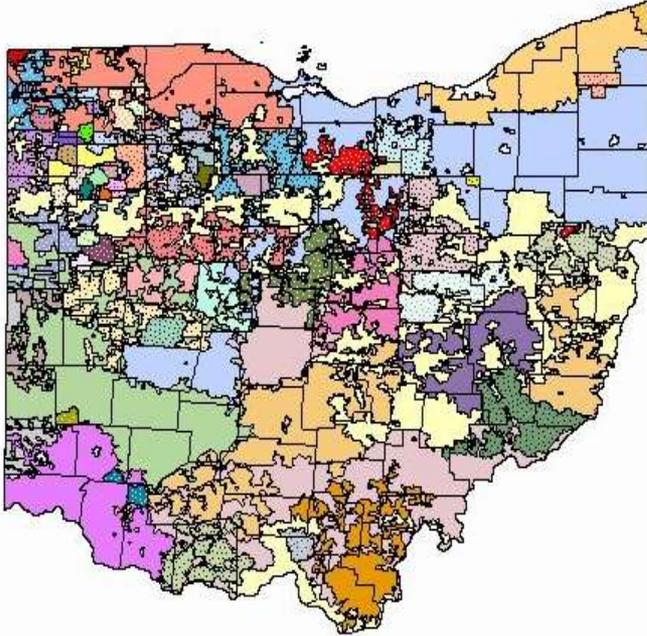
geodata.gov Map Viewer (Projection: GCS_WGS_1984) - Microsoft Internet ...

http://gos2.geodata.gov/arcexplorer/arcexplorer.jsp?origid=8&isDefault=false

geodata.gov Map Viewer

Help

allutilmxd
 Congressional Districts
 Ohio House Districts
 Ohio Senate Districts
 Counties
 Large Incumbent LECs
 Small Telephone Cos
 Electric Utilities
 Rural Electric Associations
 Background



Overview **GOS 2.3**

0 — 21mi 0 — 34km

Done Internet 100%

88IGLOlgH6vh75ualAmUh

Live Search

Log in Sign up

Help

enables the integration of this GIS technology
the development and management of data on
needs.

[to Globe](#) [Service Availability](#) [Contact Owner](#)

ne, electric, and rail layers, including
ve and abandoned railroad lines, railroad
ownships, school districts, wire centers,

[to Globe](#) [Service Availability](#) [Contact Owner](#)

Content Summary. DALIS web is our flag ship IMS application where users can access over 70 of our data layers. The General Tab includes layers such as: Parcels, Roads, ROW, Subdivisions, Land marks, Political Boundaries

Cond comments and suggestions to the user community.



GeoCommunicator

NILS - National Integrated Land System

Bureau of Land Management in Partnership with the U.S. Forest Service



GeoCommunicator - Windows Internet Explorer

http://www.geocommunicator.gov/blmMap/Map.jsp?MAP=HL

File Edit View Favorites Tools Help

GeoCommunicator

zoom in zoom out pan identify Sketch full extent last extent clear selected records pdf lat/long place name township energy search Derive LD Find LD record search mining claims range land

Canada Healthy Lands

Select Map: Healthy Lands

Layers Legend Quick Start

- Sites
- Watersheds
 - Allotments
 - Allotment Labels
 - Pastures
 - Pasture Labels
 - Herd Management Areas
 - Herd Management Areas Labels
 - Herd Areas
 - Herd Areas Labels
 - USFS Range Allotments
 - USFS Range Allotments Labels
- Reference
- PLSS
- Surface Management Agency
- Roads

Group: Layer Opacity: 70

DATA Data last published

Internet 100%

geodata.gov Map Viewer - Add Serv...

http://www.geodata.gov/arcexplorer/addservice.html

geodata.gov Map Viewer

ADD SERVICES

Look In geodata.gov Map Viewer Internet Server List:

Internet Server List

Or Server URLs In Current Map:

Server URLs In Current Map

Map Server URL:

http://giswww.westchestergov.com

Account

Show restricted services

OK CLOSE HELP

Internet 100%

- Search by BLM record, place name, or township
- Find Land Description
- Derive Land Description from a sketch
- Map Services for all BLM map layers for use in your local GIS

Oceans and Coasts Community

Oceans and Coasts

Help

Featured Inventories Key Resources Calendar Library

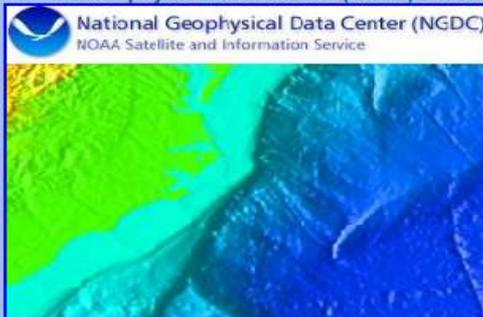


The Oceans and Coasts community page is organized around coastal and ocean framework data, or data that is needed for research, planning and management of coastal and ocean resources. These data include, but are not limited to, bathymetry, shoreline, sea floor mapping, habitat, landcover, seismic data, fisheries, and marine boundaries. This community seeks to provide access to these data, clearinghouses, and applications; as well as information about the activities, programs, and committees that support the ocean and coastal community.

The Oceans and Coast community is co-led by the Interagency Working Group on Ocean and Coastal Mapping and the Federal Geographic Data Committee's Marine and Coastal Spatial Data Subcommittee. For more information on these efforts, refer to the "committees, programs, and organization" section of the community.

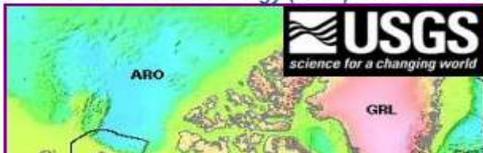
Featured Inventories

National Geophysical Data Center (NGDC) - NOAA



NGDC archives and distributes geophysical data to the public. It serves as the World Data Center for Marine Geology and Geophysics and is the IHO Data Center for Digital Bathymetry.

Coastal and Marine Geology (CMG) InfoBank - USGS



InfoBank, KnowledgeBank's field data catalog, is a structured information storage scheme of databases and software that provide organized access to USGS Coastal and Marine data and metadata.

- Special Interests**
- [Earth Information Exchange Gateway](#)
 - [Fire Mapping](#)
 - [Geographic Names](#)
 - [GIS for the Nation](#)
 - [Historical Collections](#)
 - [Homeland Security](#)
 - [Hurricanes](#)
 - [Indian Ocean Disaster](#)
 - [Lewis and Clark](#)
 - [Local Governments](#)
 - [National Atlas](#)
 - [Recreation and Tourism](#)
 - [The National Map](#)
- Data Categories**
- [Administrative and Political](#)
 - [Agriculture and Farming](#)
 - [Atmosphere and Climate](#)
 - [Biology and Ecology](#)
 - [Business and Economic](#)
 - [Cadastral](#)
 - [Cultural, Society and Demographic](#)
 - [Elevation and Derived Products](#)
 - [Environment and Conservation](#)
 - [Geological and Geophysical](#)
 - [Human Health and Disease](#)
 - [Imagery and Basemaps](#)
 - [Inland Water Resources](#)
 - [Locations and Geodetic Networks](#)
 - **Oceans and Coasts**
 - [Transportation Networks](#)
 - [Utilities and Communication](#)



- Home
- Search
- Maps
- Marketplace
- Communities
- Statistics
- Help Center

Log in Sign up

- Special Interest**
- Earth Information Exchange Gateway
 - Fire Mapping
 - Geographic Names
 - GIS for the Nation
 - Historical Collections
 - Homeland Security
 - Hurricanes
 - Indian Ocean Disaster
 - Lewis and Clark
 - Local Governments
 - National Atlas
 - Recreation and Tourism
 - The National Map
- Data Categories**
- Administrative and Political
 - Agriculture and Farming
 - Atmosphere and Climate
 - Biology and Ecology
 - Business and Economic
 - Cadastral
 - Cultural, Society and Demographic
 - Elevation and Derived Products
 - Environment and Conservation
 - Geological and Geophysical
 - Human Health and Disease
 - Imagery and Basemaps
 - Inland Water Resources
 - Locations and Geodetic Networks
 - Oceans and Coasts
 - Transportation Networks
 - Utilities and Communication

Oceans and Coasts Help

Oceans and Coasts

- Featured Inventories
- Key Resources
- Calendar
- Library

- View Summary
- View Full Metadata
- Go To Website
- Contact Owner

U.S. Atlantic East Coast Internet Map Server

Content Summary: In 1984, the U.S. Geological Survey (USGS), Coastal and Marine Geology Program (CMGP), began a program to map the areas of the U.S. Exclusive Economic Zone (EEZ). To accomplish the mapping of the deepwater portion (depths greater than 400m) of the EEZ, the USGS selected the long-range sidescan sonar system GLORIA (Geological Long-Range Inclined Asdic). GLORIA creates images that are a record of the acoustic backscatter from the ocean floor and was developed specifically to map the morphology and texture of seafloor features in the deep ocean. The GLORIA imagery provides a broad-scale view of sea-floor features and the effects of sedimentary processes that had been previously unknown.



Content Type: Live data & maps

- View Summary
- View Full Metadata
- Go To Website
- Add To Map
- Add To Globe
- Service Availability
- Contact Owner

Digital Atlas of the South Atlantic Bight

Content Summary: The Digital Atlas of the South Atlantic Bight is a compilation of information collected by NOAA's Office of Ocean Exploration. Hourly measurements of ship's position and heading, air temperature, relative humidity, barometric pressure, wind speed and direction, depth, total solar irradiance, chlorophyll-a (fluorometer), sea surface temperature, and salinity are available for surveys sponsored by the National Oceanic and Atmospheric Administration (NOAA) Office of Ocean Exploration from 2002 through 2005. Dive information collected at various locations during this time frame are



Send comments and suggestions to the [community steward](#)

Search

To Find Businesses Directions

by to e.g., Tokyo, Japan
174 High Street Hastings, NY

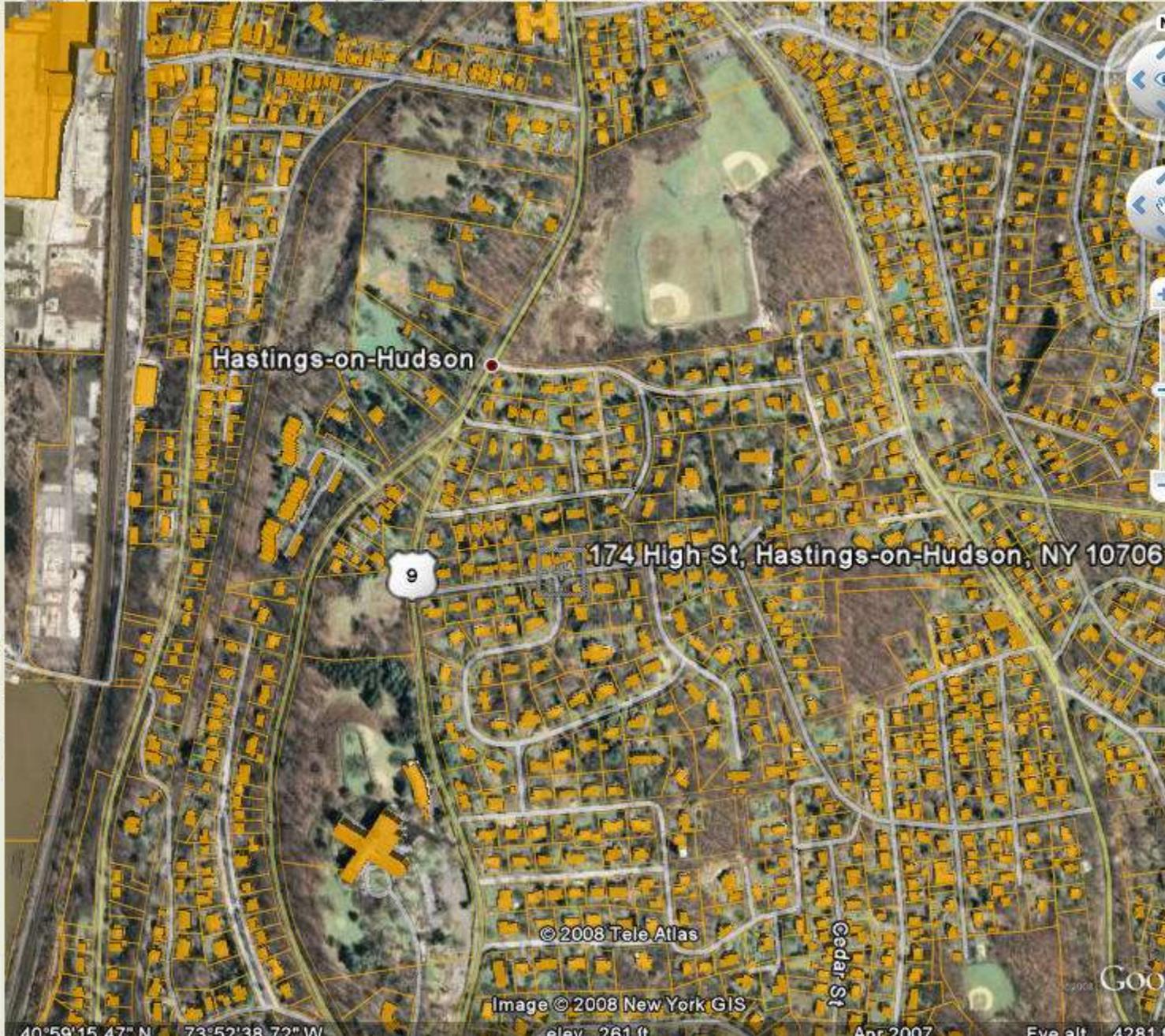
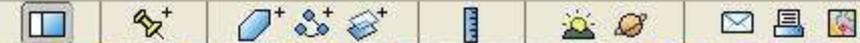
174 High St, Hastings-on-

Places Add Content

- 3D Buildings
Exported from 3D Buildings on 7/2/2008
- Tax Parcels
Village of Hastings-on-Hudson
Tax Parcel Data 2006 Taxroll
- Features
- Information Points
- Temporary Places

Layers

- Primary Database
- Geographic Web
- Roads
- 3D Buildings
- Street View
- Borders and Labels
- Traffic
- Weather
- Gallery
- Global Awareness
- Places of Interest



Hastings-on-Hudson

174 High St, Hastings-on-Hudson, NY 10706



© 2008 Tele Atlas

Image © 2008 New York GIS

Map Layers

- Watershed Management Boundaries
- Counties, Cities and Townships Combined
- Microsoft Virtual Earth

Gaia - Add Layer to Map

OGC Services Base Maps Files

Service Name	Type	Version	Address
NEXRAD fro...	WMS	1.1.1	http://mesonet.agron.iastate.edu/cgi-bin/wms/...
Boston Free ...	WMS	1.1.1	http://boston.freemap.in/cgi-bin/mapserv?map=...
New York Cit...	WMS	1.1.1	http://nyc.freemap.in/cgi-bin/mapserv?map=%2...

Quick Search: Details: Groups:

MetroGIS_DataFinder_WMS

Emergency Service Zone Boundaries

Comprehensive Plan Compos

Metropolitan Council Districts

Metropolitan Council Planning

Legislative Districts - State Hc

Counties and MCDs 1990

Counties, Cities and Townshp

County, City and Township B

Counties

Parameters:

Parameters:

Map Parameters

Image Format:

Image Style:

Preview

Selected Layer Info

Name: wmo_a

Title: Watershed Management Boundaries

Namespace:

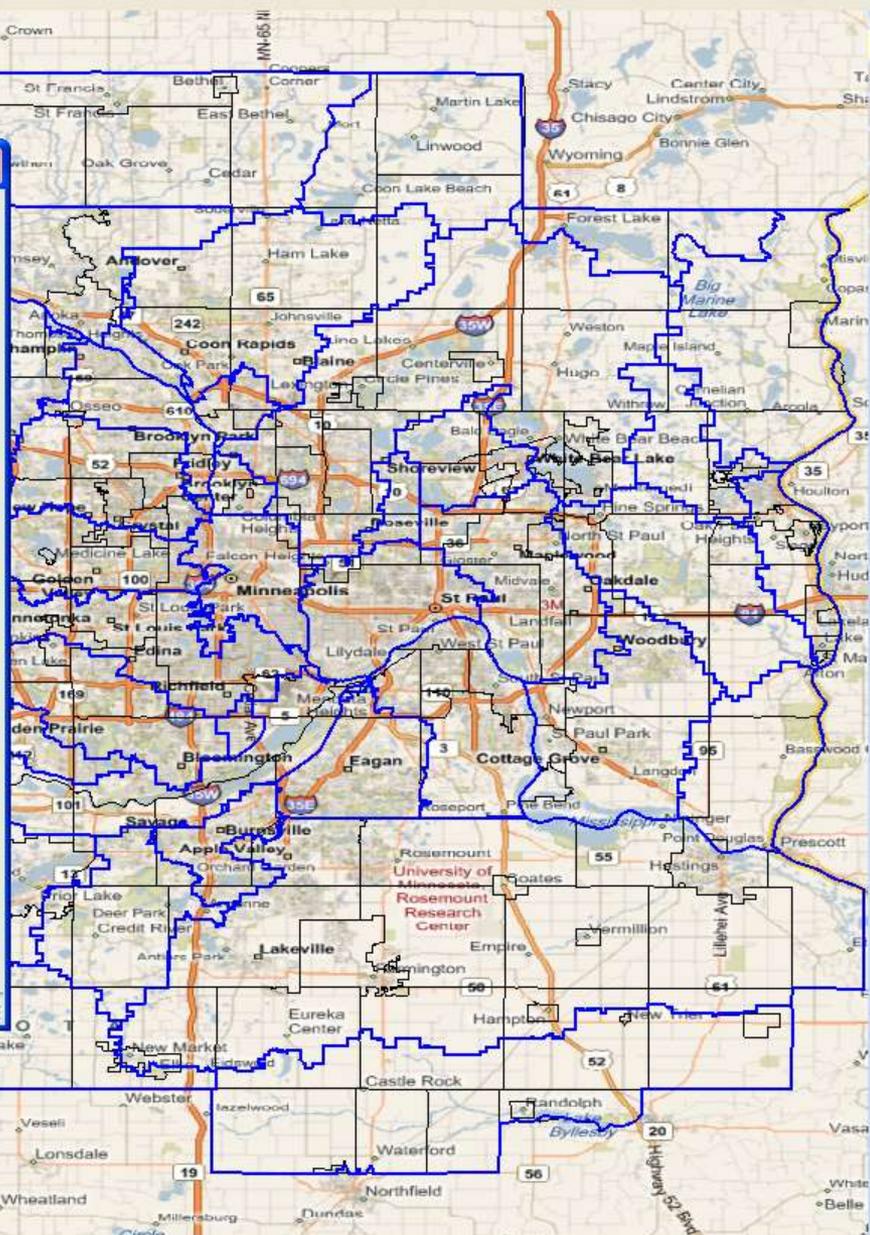
Keywords:

LL BBox: (-94.0227636519,44.4669238136;-92.7286315781,45.4144921741)

BBox: (-94.0228373729,44.4668905622;-92.7283510253,45.4160454957)

BBox:

Layer ready.





- DATA WAREHOUSE**
- County Data Download**
 - Base Map Planimetrics
 - Boundary & Districts
 - Census (2000)
 - Community Facilities
 - Environmental
 - Planning
 - Transportation
 - Municipal Tax Maps
 - Orthophotography

County Data Download
Data Warehouse > County Data Download

Countywide datasets are grouped by theme (district and boundaries, community facilities, environmental features, planning, transportation and census boundaries). These datasets were developed by Westchester County GIS or are based on data obtained from other organizations. Users are encouraged to review coverage metadata. Data downloads are available in both zipped ESRI shapefiles and Google Earth KMZ files. To browse datasets, please select a category from the list below.

Categories		Download File Types
Base Map Planimetrics	Planning	ESRI shapefile
Boundary & Districts	Transportation	Google Earth KMZ file
Community Facilities	Census (2000)	
Environmental		

Dataset Details

MAPPING SCALE: Scale Varies - Refer to Dataset Metadata
DATASET FORMATS: ESRI Shapefile & Google Earth KMZ
 To download ArcExplorer, click here.
 To download Google Earth, click here.
DOWNLOAD FORMAT: Zip Files
COORDINATE SYSTEM: New York State Plane Feet, East Grid Zone
DATUM: North American Datum 1983 (NAD83)

For more information, please write to us at GISDATA.

GIS CENTER

- Home/About
- Maps
- Client Services
- Projects
- Data Catalog**
- Knowledge Base
- Training
- Data Format Primer
- KCGIS Vector Data
- KCGIS Raster Data
 - Orthophotography
 - Elevation
 - Landcover
- Non-KCGIS Data
- Other Site Features
 - Property Research
 - Parcel Viewer
 - iMAP
 - KCGIS Data CDs
 - GIS Training
 - Site Map
 - Site Search
- Other KCGIS Sites
 - DDES

Spatial Data Catalog:

To see a description of all **subjects**, click [here](#).
 To see a list of all **King County agencies**, click [here](#).
 NOTE: To sort the data by a column, click its header.

File Name	Data Type	Title	Subject Folder	Agency	Abstract
addrddes	table	Unincorporated King County parcel addresses business table	property	gisc	Abstract not available ...
address	point	Address Points with zipcode+4 and Postal carrier routes	admin	gisc	Comprehensive Address Point Layer for King C Washington. ...
addrkca	table	Incorporated areas (cities) parcel address business table	property	gisc	Abstract not available ...
addrmerge	table	Unincorporated King County and incorporated areas (cities) parcel address business table	property	gisc	Abstract not available ...
ag_landuse_gen03	area	2003 Generalized Agricultural Land Use	natres	WLR	Generalized Agricultural Land Uses within the Agricultural Production Districts and in rural are outside ...
ag_landuse01	area	2001 Agricultural Land Uses	natres	WLR	Agricultural Land Uses as of 2001 within the Agricultural Production Districts. Land Uses identified ...
ag_landuse06	area	Agricultural Land Use 2006 for Ag. Production Districts and Vashon	natres	WLR	Agricultural Land Uses within the Agricultural Production Districts and on Vashon-Maury Islar Land Uses ...
anroddst	line	Agricultural Production District	natres	DDES	The Comprehensive Plan designates Agricultura Production Districts where the principal land us



National Geospatial Program Office

Geospatial One Stop (GOS)

Communities Help

- Special Interest**
- [Earth Information Exchange](#)
 - [Fire Mapping](#)
 - [Geographic Names](#)
 - [Historical Collections](#)
 - [Homeland Security](#)
 - [Hurricanes](#)
 - [Indian Ocean Disaster](#)
 - [Lewis and Clark](#)
 - [Local Governments](#)
 - [Recreation and tourism](#)
 - [The National Atlas](#)
 - [The National Map](#)

- Data Categories**
- [Administrative Boundaries](#)
 - [Agriculture](#)
 - [Atmosphere](#)
 - [Biology](#)
 - [Business](#)
 - [Cadastral](#)
 - [Demographic](#)
 - [Elevation](#)
 - [Environment](#)
 - [Geology](#)

Search geodata.gov Help

What: (e.g. River) Where: (e.g. Harrison, NY)

[Show Advanced Search Options](#)

Current Featured Topic Help

Administrative and Political Boundaries

Census 2008 Key Resources

New 2008 Census Tiger/Line Files are now available!

The downloadable shape files are now discoverable through the geodata.gov catalog search interface and by launching the Census web page <http://www2.census.gov/bin/shapefiles/national-files>

U.S. Census Bureau

2008 TIGER/Line® Shapefiles

National Shapefiles

Select All Clear Selection

- Current American/Alaska Native/Native Hawaiian Area
- Census 2000 American Indian/Alaska Native/Native Hawaiian Area
- Current American Indian Area Tribal Subdivision
- Census 2000 American Indian Area Tribal Subdivision
- Current County and Equivalent
- Census 2000 County and Equivalent
- Current Combined New England City and Town Area
- Current Combined Statistical Area

State Shapefiles:

Select a state or equivalent

To download county shapefiles, select a state, and then a county.

Alabama submit

American Indian Area Shapefiles:

Select an area

Quick Start

Welcome to geodata.gov

Your One Stop for Finding and Using Geographic Data

geodata.gov will help you:

- o [Find Data or Map Services](#)
- o [Make a Map](#)
- o [Browse Community Information](#)
- o [Cooperate on Data Acquisitions](#)
- o [Publish your Data and Map Services](#)

Save searches, maps, and your favorite geography to re-use later. A simple [registration process](#) opens up these personalization options.

We invite you to explore ... or check out our [Quick Start Guide](#) to learn more about using the main features of

- Special Interest**
- [Earth Information Exchange Gateway](#)
 - [Fire Mapping](#)
 - [Geographic Names](#)
 - [GIS for the Nation](#)
 - [Historical Collections](#)
 - [Homeland Security](#)
 - [Hurricanes](#)
 - [Indian Ocean Disaster](#)
 - [Lewis and Clark](#)
 - [Local Governments](#)
 - [National Atlas](#)
 - [Recreation and Tourism](#)
 - [The National Map](#)
- Data Categories**
- [Administrative and Political](#)
 - [Agriculture and Farming](#)
 - [Atmosphere and Climate](#)
 - [Biology and Ecology](#)
 - [Business and Economic](#)
 - [Cadastral](#)
 - [Cultural, Society and Demographic](#)
 - [Elevation and Derived Products](#)
 - [Environment and Conservation](#)
 - [Geological and Geophysical](#)
 - [Human Health and Disease](#)
 - [Imagery and Basemaps](#)
 - [Inland Water Resources](#)
 - [Locations and Geodetic Networks](#)
 - [Oceans and Coasts](#)
 - [Transportation Networks](#)
 - [Utilities and Communication](#)

Local Governments Help

State, County and Local Governments

Map Service Examples **Key Resources**

[View Summary](#) [View Full Metadata](#) [Go To Website](#) [Add To Map](#) [Add To Globe](#) [Service Availability](#) [Contact Owner](#)

City of Bridgeport (CT) WebGIS Mapping Application

Content Summary: The Bridgeport WebGIS system consists of numerous data layers with varying sources, accuracies, and update cycles. Primary data layers in the system consist of the following: aerial mapping, topography, zoning and districts, parcels and parcel information, and approximate flood plains.

Content Type: Live data & maps

[View Summary](#) [View Full Metadata](#) [Go To Website](#) [Add To Map](#) [Add To Globe](#) [Service Availability](#) [Contact Owner](#)

City of Meriden (CT) GIS Base Map

Content Summary: The City of Meriden internet application serves as the primary mapping portal for the City GIS program. The application offers a wide range of data layers. These data layers include roads, points of interests, parcels, bodies of water, buildings and many more.

Content Type: Live data & maps

[View Summary](#) [View Full Metadata](#) [Go To Website](#) [Add To Map](#) [Add To Globe](#) [Service Availability](#) [Contact Owner](#)

City of Camden (NJ) Camden Arc Viewing Environment

Content Summary: CAGEN, the Camden ArcGIS Enterprise Network, enables the integration of this GIS

Send comments and suggestions to the [community steward](#)



Your One Stop for Federal, State & Local Geographic Data

Search geodata.gov

Search Results

Refine Search Reset Download Results

Records 13 to 24 of 36 documents (4.243 seconds)

- MEGIS Basemap
The MEGIS Basemap viewer provides access to seamless statewide geospatial datasets, orthophotography, scanned USGS quadrangles, and a wide range of political and administrative boundaries.
Publishing Organization: Maine Office of GIS

medoqindex
MEDOQINDEX is a REGIONS dataset, a spatial index, by USGS 1:24000 scale tile, of photo names and dates for MEDOQ, Maine GIS 30 meter black and white orthophotography. MEDOQINDEX also serves as an index for the MEGIS.SDE image mosaic DOQQ. MEDOQINDEX ...
Publishing Organization: (MEGIS) Maine Office of Geographic Information Systems

metwp24
METWP24 depicts political boundaries, common town names, and geocodes for Maine at 1:24,000 scale. The coverage was created from USGS, 7.5 minute map series, town boundaries. The Maine GIS base layer COAST, which contains Maine's coastal Mean High Wa...
Publishing Organization: (MEGIS) Maine Office of Geographic Information Systems

merail24
MERAIL24 is a statewide railroad coverage for Maine at 1:24000 scale. The data was extracted from USGS 1:24000 DLG files by MEGIS staff in 1997, built the attribute tables and edgematched the coverage across quadrangle boundaries. Arc attributes incl...
Publishing Organization: (BBistrais)Maine Office of Geographic Information Systems

otrans
OTRANS represents other transportation features - electric, pipeline, railroad, and telephone lines at 1:24,000 scale. Some New Hampshire and New Brunswick features are also included. Data for this coverage were digitized from USGS 1:24000 scale quad...
Publishing Organization: (MEGIS) Maine Office of Geographic Information Systems

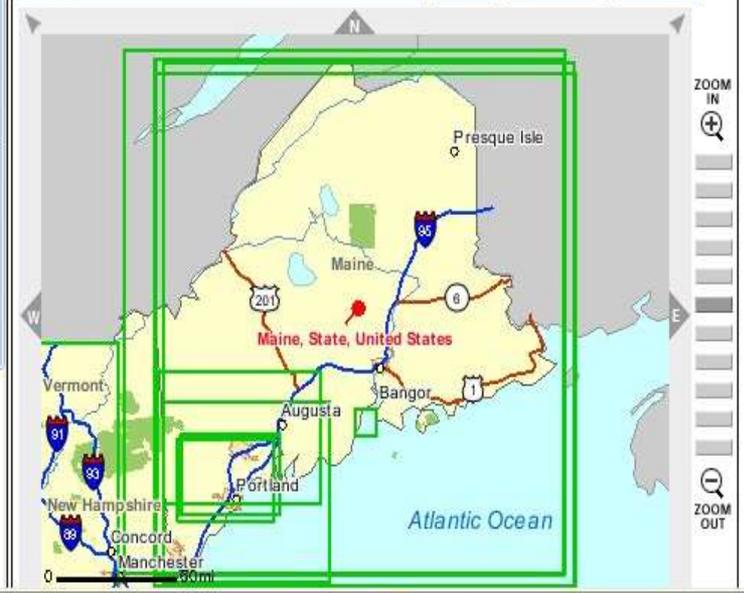
LandLandcov_NLCDVT

Search Criteria

What: Maine
Search In: geodata.gov
Content Type: Live Data and Maps
Sort By: Relevance
Within: N:83.875, S:5.125, E:-170.0, W:-65.0
See Results As: GEORSS KML HTML FRAGMENT

My Geography

Where: (Geographic Footprint, e.g. Harrison, NY)
Maine Find More... Reset



Search Marketplace

Search in: Marketplace

What: (Text Search, e.g. River)

lidar

Content Type

Publisher

Sort By

My Geography

Where: (Geographic Footprint, e.g. Harrison, NY)

Florida

Anywhere Overlapping this area Fully within this area



About the Marketplace

Search Results

1 2 3 4 >

- Results 1 - 12 of 48 records (0.469 seconds)
- LIDAR Elevation Data (2007)**

Laser beach mapping uses a pulsed laser ranging system mounted onboard an aircraft to measure ground elevation and coastal topography. The laser emits laser beams at high frequency and is directed downward at the earth's surface through a port openin...

Publishing Organization: National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), NOAA Coastal Services Center (CSC)
 - LIDAR or IFSAR elevation collection**

Coverage area will include portions of the U.S. coastal zone (specific location is unknown at this time); Format will be raw elevation points (x, y, z) with ability to grid (binary raster, ASCII raster), according to user specifications; airborne lig...

Publishing Organization: NOAA Coastal Services Center
 - (NASA) CALIPSO - Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations**

The CALIPSO satellite was developed to help scientists answer significant questions and provide new information about the effects of clouds and aerosols (airborne particles) on changes in the Earth's climate. Understanding these components will provi...

Publishing Organization: Global Change Master Directory
 - DIGITAL FLOOD INSURANCE RATE MAP DATABASE, COLLIER COUNTY, FL**

In order to support the National Flood Insurance Program (NFIP) Flood Hazard Mapping Program, FEMA has launched a Map Modernization program to update Flood Insurance Rate Maps (FIRMs) for every county in the nation over the next five years. This plan...

Publishing Organization: Federal Emergency Management Agency
 - DIGITAL FLOOD INSURANCE RATE MAP DATABASE, LAKE COUNTY, FL**

In order to support the National Flood Insurance Program (NFIP) Flood Hazard Mapping Program, FEMA has launched a Map Modernization program to update Flood Insurance Rate Maps (FIRMs) for every county in the nation over the next five years. This plan...

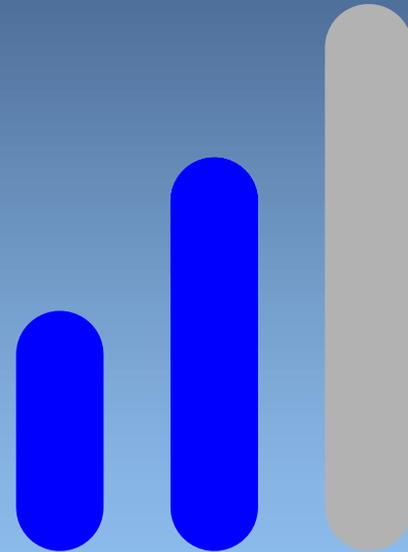
Publishing Organization: Federal Emergency Management Agency

New Service from FGDC

Implemented in January 2009

- Is this map service working?
- How Responsive is it?

A New Symbol
next to 'Live' Map
Services



Linked to a detailed report....

GOS - Geospatial

geo data U.S. MAPS & DATA

Home Search

Special Interest

- Earth Information Gateway
- Fire Mapping
- Geographic Names
- GIS for the Nation
- Historical Collection
- Homeland Security
- Hurricanes
- Indian Ocean Disasters
- Lewis and Clark
- Local Governments
- National Atlas
- Recreation and Tourism
- The National Map

Data Categories

- Administrative and Regional
- Agriculture and Farming
- Atmosphere and Climate
- Biology and Ecology
- Business and Economic
- Cadastral
- Cultural, Society and Demographic
- Elevation and Derivative
- Environment and Conservation

Report - Microsoft Internet Explorer provided by Westchester County

http://registry.gsdil.org/statuschecker/ServiceDetail.php?ClientId={8C7F0104-3EE8-0A94-614F-6181F9797D54}

fgdc Federal Geographic Data Committee

Service Status Checker

Home Print Report Help

Service Analysis Report for 03-15-09

GOS Service Registration Information

The following service information was registered through the Geospatial One-Stop (GOS) portal.

ID: {8C7F0104-3EE8-0A94-614F-6181F9797D54}

Name: City of Nashua (NH) GIS

Registered Service:

Service Type: IMAGE

Service Name: Nashua_AMS

Service Owner: [View](#)

Service Metadata: [View](#) [View XML \(publish Info\)](#)

Service Report Card



Valid Registration



GetImage Status

99.59%

GetImage Score (0-100)

Registration Validation

The following test determines if the registered service URL is valid or invalid.

Registered Service: 

This is a valid registration. An Image service must provide a service URL and service name.

Daily Test Results

The objective of an Image service is to provide map images to clients. For this reason, the GetImage test is the main operation tested and scored.

TEST	STATUS	INTERACTIVE TEST	RESPONSE	SCORE(0-100)
GetImage:		Test Now	1.69 sec	99.59%

Email Notifications About New Data

The image shows a screenshot of a web browser displaying an email notification. The email is from geodata@usgs.gov and is addressed to San Francisco. The email content is as follows:

Dear R
Tour a
You rec
U
L
GeoRSS
<http://usgs.gov>
RSS
<http://usgs.gov>
Regards
The ge

LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008

United States Geological Survey, Salt Pile Young, Florida, Center for Coastal and Planetary Studies, Coastal and Marine Geology Program, LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008
[Download Contact Details Metadata](#)

The background of the email is a Google Earth map of the United States with several red rectangular overlays indicating the data collection areas. A callout box points to one of these areas with the text: "LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008".

Below the map, the **geodata.gov** logo is visible, along with the text "Your One Stop for Federal, State & Local Geographic Data". The main heading of the notification is "LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008".

Content Citation
Title: LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008
Content Type: Downloadable Data
Publishing Organization: U.S. Geological Survey (USGS), Coastal and Marine Geology (CMG)
Publisher: 701150177
LIDAR data collection data of field activity 08LTS02 (A-2-08-LA) in Lower Atchafalaya Basin, LA from 12/08/2008 to 12/16/2008

View Web Map Services on a Globe

geodata.gov
U.S. MAPS & DATA
Your One Stop
State & Local

Home Search Maps Marketplace Communities Sta

Search geodata.gov

Search Results

Refine Search Reset Download Results

1 2

[Selected Types](#) [Live Data and Maps](#) [Downloadable Data](#) [Offline Data](#) [Documents](#) [Applications](#) [Geographic Services](#) [Cleaninghouses](#) [Geographic Activities](#)

Results 13 - 23 of 23 records (0.526 seconds)

Atlas of the Cryosphere: Southern Hemisphere Web Coverage Service (WCS)

The National Snow and Ice Data Center (NSIDC) Atlas of the Cryosphere is a map server that provides data and information pertinent to the frozen regions of Earth, including monthly climatologies of sea ice extent and concentration, snow cover extent...

Publishing Organization: National Snow and Ice Data Center

Atlas of the Cryosphere: Southern Hemisphere Web Map Service (WMS)

View Summary
View Full Metadata
Go To Website
Add to Map
Add to Globe
Contact Owner

Zoom To
Close Menu

data Center (NSIDC) Atlas of the that provides data and information ns of Earth, including monthly ant and concentration, snow cover onal Snow and Ice Data Center

satellite imagery that is (above 1:2 million), EarthSat 150m scales (below 1:2 million), and U.S. tes includes reference data, includ...

tern is a collection of private, state, ces associated with the geography of on (1803-1806). Data has been compied from key partners including NASA - John C. Stennis S...

WaterWetlands_NWI

VCGI downloaded NWI quads from the US FWS web site and reprojected to VCS NAD83. NWI digital data files are records of wetlands location and classification as developed by the U.S. Fish &





USGS Home
Contact USGS

U.S. Geological Survey

- Maps, Imagery, and Publications
- Hazards
- Newsroom
- Education
- Jobs
- Partnerships
- Library
- About USGS
- Podcasts/RS

USGS: Your source for science you can use

As an unbiased, multi-disciplinary science organization that focuses on biology, geography, geology, geospatial information, and... we are dedicated to the timely, relevant, and impartial study of the landscape, our natural resources, and the natural hazards that threaten us. Learn more about our goals and priorities for the coming decade in our [Science Strategy](#).

Embed search widget in your site.

Science Areas

- Biology
- Geography
- Geology
- Geospatial
- Water



Lending a Hand to our Fellow Scientist

The USGS conducted a preliminary hazard and risk assessment of the Tanzanian volcano Ol Doinyo Lengai.

Can't see Flash? Install Flash Player or use the HTML version.

Search geodata.gov

Hazards

Show all hazards

Recent Earthquakes:



World | USA

More Hazards:

Real-time hazards

Redoubt: Latest Status

Great Southern California ShakeOut

News Releases

March Science Picks -- Leads, Feeds and Story Seeds
(Released: Fri, 6 Mar 2009 6:30:00 EST)

Tanzanian Villagers Encouraged to Learn Hazards of Living Near Erupting Volcano
(Released: Thu, 5 Mar 2009 11:54:05 EST)

Designed for 3 years, 'workhorse' satellite completes 25
(Released: Tue, 3 Mar 2009 10:49:26 EST)

Science Topics

Browse USGS topics of interest:

- Avian Influenza
- Climate Change
- Contaminants
- Droughts
- Earthquakes
- Energy and Minerals
- Floods
- Geospatial Analysis
- Ground and Surface Water
- Human Health
- Invasive Species
- Map Servers
- Maps and Atlases
- Real-time data
- Remote Sensing
- Volcanoes
- Water Quality
- Wildfires

View all [USGS science topics](#) or see more topics at [Science.gov](#).

Science In Your Backyard

Select your State

GO



New Customizable Search Widget Easy to add to your GIS site

Delaware.gov | Text Only Governor | General Assembly | Courts | Elected Officials | State Agencies



State of Delaware
The Official Website of the First State

RAINBOW | PHOTO BY STEVEN LONG

Your Search... Phone Numbers Mobile Help Size Print Email

Office of Management and Budget : Budget Development, Planning, and Administration : Office of State Planning Coordination

HOME

SERVICES

- Livable Delaware
- Equity in Agriculture
- State Strategies
- The PLUS Process
- Municipal Annexation
- Regional Planning
 - S. New Castle Co. Planning
- Assistance
 - From OSPC
 - From UD
 - Grant Funding
- Geospatial Information
 - GIS Coordination
 - GIS Data
 - Catalogue
 - GIS Data
- Resources
 - The DataMIL
 - GIS Data Inventory
- Demographics
 - 2010 Census
 - Census Data
- Center
 - Pop. Projections
 - State Budgeting
 - News Services

INFORMATION

A Delaware Spatial Data Catalogue

(BETA) Search for Delaware Data on the GeoSpatial OneStop

The widget below is still in beta testing, but is meant to provide a simple text-search of geospatial data holdings for Delaware for which metadata has been published on the federal government's [Geospatial OneStop](#) (GOS). It was developed by the GOS team and customized to limit searches to metadata for GIS data sets whose footprint falls within a bounding box around the state of Delaware. (Given our state's shape, however, you may see some results from New Jersey.)

Search geodata.gov

This is a test of this new widget, so please use it, stress it, try to make it break. Then report your experience with it to [Mike Mahaffie](#). We'll keep working with the Geospatial OneStop team to make this more and more useful.

A Listing by Data Categories

This is a catalogue of some of the key geospatial data resources for the state of Delaware. More complete listings of Delaware spatial data are found on [the Delaware portion of the GIS Inventory](#) and on the federal government's [Geospatial OneStop](#).

For each data set, we include a title, a data steward and stewardship agency, telephone and e-mail contact information and links (where available) to metadata, a data web site, and direct data download. Where we don't have an appropriate link, you will find yourself on our ["oops" page](#).

This collection is based on searches of the Inventory and of GOS and on our knowledge of the data resources of the state. We're not perfect, however, and we do miss things. If there is data that you are aware of that is not listed here, please contact Mike Mahaffie at mike.mahaffie@state.de.us.

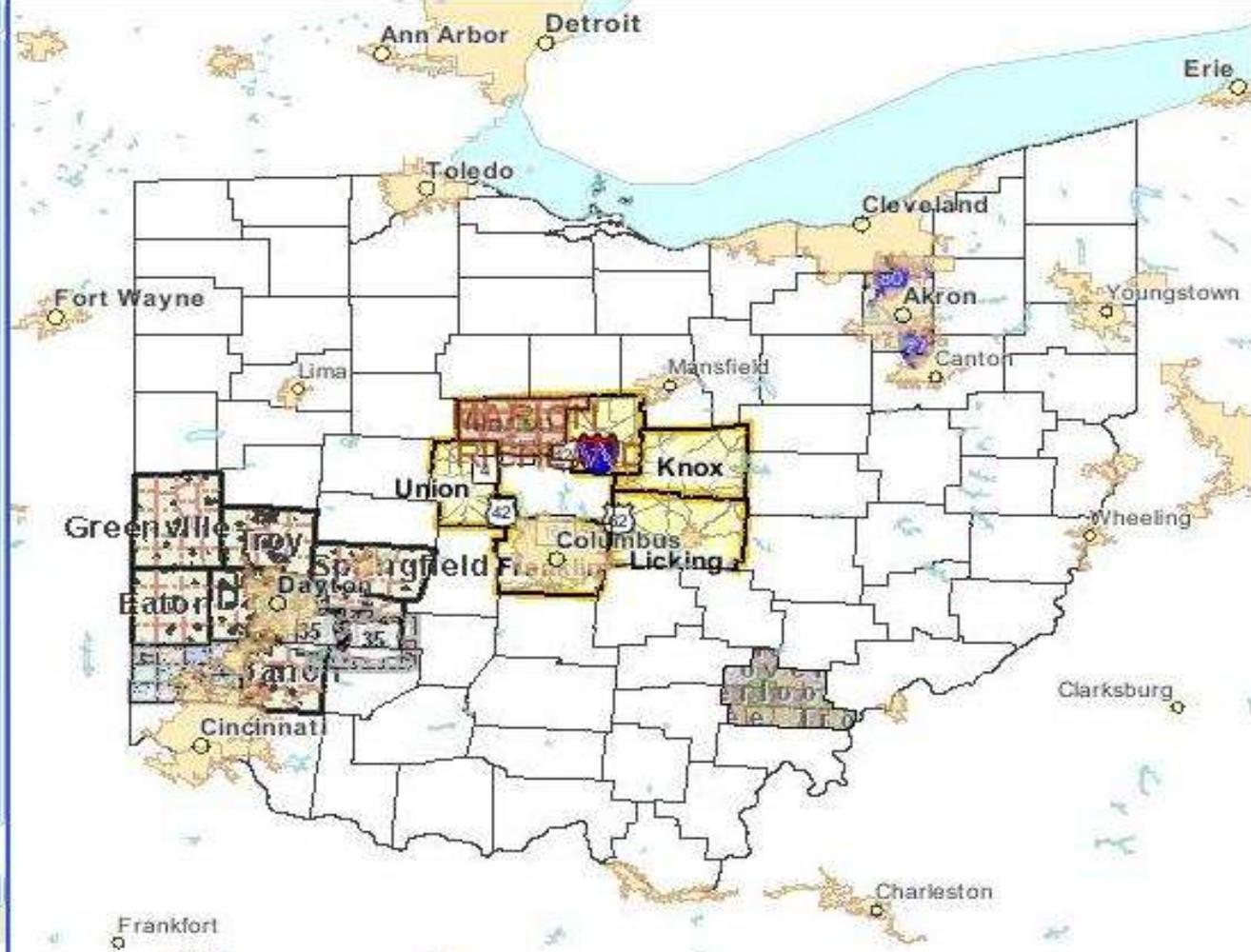
These resources are organized into major data categories determined by the International Standards Organization (ISO) as follows:



geodata.gov Map Viewer



- Census_TIGER2000
- nhdgeowms
- BLM_MAP_SURFACE_MGT
- allutilmxdb
- athenscountyplan
- auditor_gisnew
- Coshocton
- gcMaps
- viewer_arcmap
- mvrpc_new
- 3D
- delco



REFRESH MAP LEGEND Overview

GDS:2:3 at 20... by Delaware County 0 20mi 0 33km



- USGS_NHD
- VGIS_BASEMAP
- MappingWestchesterCo
- ErieNY
- NiagaraNY
- syracuse (Not usable - Projection not supported)
- OC_NY_GIS
- GISMapsPublic
- NEIGHBORHOOD
- SDV_COUNTY_AMS
- COUNTYWIDE
- geoaccess
- RocImS001
- parcelspub
- Parcel
- COORDTES



REFRESH MAP LEGEND Overview

geodata.gov
U.S. MAPS & DATA
Home Search Map

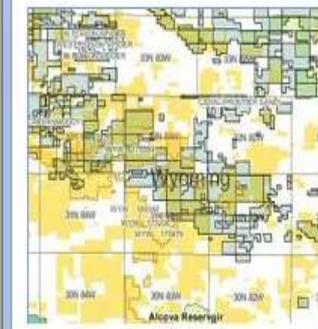
Popular Maps

Popular Maps

US Maps US State Maps R

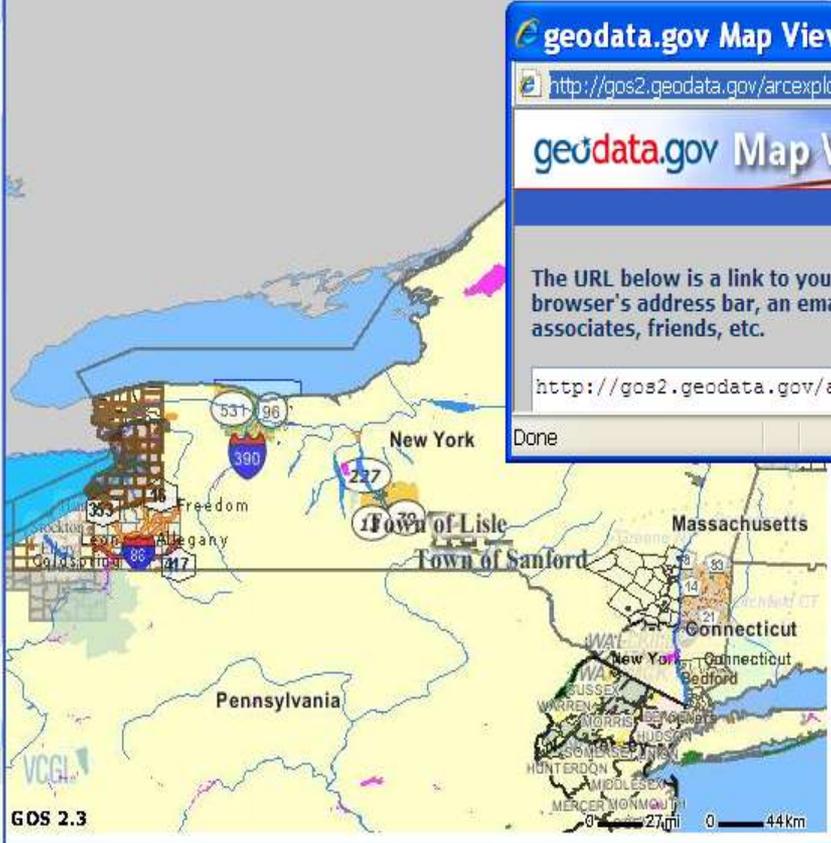


Basic Base Map





- USGS_NHD
- VGIS_BASEMAP
- MappingWestchesterCo...
- ErieNY
- NiagaraNY
- OC_NY_GIS
- GISMapsPublic
- NEIGHBORHOOD
- SDV_COUNTY_AMS
- COUNTYWIDE
- geoaccess
- RocImS001
- parcelspub
- Parcel
- COORDTES
- GISMapsPublic



Overview



CREATE LINK TO MAP

The URL below is a link to your current map. Copy and paste this URL into your Web browser's address bar, an email, your own Web page, etc., to share with colleagues, bus associates, friends, etc.

http://gos2.geodata.gov/arcexplorer/link.html?&link=20090413192846638_2

[vation](#)
[Environment](#)

Take Home: Map Services

- Metadata makes it happen
- Changing the manner in which data is shared across governments
- Illustrates local government's willingness to share (publish) data
 - Significant change from the “data centric” era of moving data across governments
 - More visibility on the web
 - Increased self reliance at the local level
 - Growth of WMS services will increase with the growth of easy-to-use viewers such as Google Earth, Microsoft Virtual Earth, ArcGIS Explorer, and NASA World Wind – and other map service formats



Your One Stop for Federal, State & Local Geographic Data

Site News

Publish Metadata

Become a Publisher

How to Publish

Create Metadata

Upload Metadata

Configure Harvesting

Manage My Metadata

Community Tools

Create Community

Download Tool

Manage Stewards

My Communities

Steward Help

Administration

Manage Metadata

Manage Publishers

View Registered Sites

Reports and Statistics

Marketplace Notifications

Manage Users

Manage Portlets

TNM Management

List Map Services

Manage Publishers

Popular Maps

Manage Popular Maps

Create Metadata

To publish a new record, first select the type of content that you wish to publish from the drop-down menu. Then, a custom form is displayed for you to complete for the content type that you selected. If you are not certain about how to classify your content, please refer to the content descriptions presented below.

Type of Content:

Live Data and Maps - Web Map Service [dropdown] Proceed

- Live Data and Maps - Web Map Service
- Live Data and Maps - ArcIMS Image Service
- Live Data and Maps - Web Feature Service
- Live Data and Maps - Web Coverage Service
- Live Data and Maps - KML or KMZ
- Live Data and Maps - Georss Feed
- Downloadable Data
- Offline Data
- Map File
- Static Map Image
- Other Document
- Application
- Geographic Service
- Clearinghouse or Catalog Service
- Geographic Activity - Planned Data Acquisition
- Geographic Activity - Data Request
- Geographic Activity - Other

Map service is a dynamic map that is published over the Internet. The Publisher, while the user can interact with the map to... A map service can be published as an image service. An image as a Web graphic (i.e., GIF, JPG, or PNG format).

Digital data that is intended for use with geographic information presented in vector format or raster format.

Downloaded to your computer but can be ordered on or offline

that may be displayed using GIS software. These maps may reference geographic data downloaded with the map file or, more likely, reference map services published from live mapping systems. The publisher determines what data to include in the map and how the map is presented.

Take Home: Map Services

- Metadata makes it happen
- Changing the manner in which data is shared across governments
- Illustrates local government's willingness to share (publish) data
 - Significant change from the “data centric” era of moving data across governments
 - More visibility on the web
 - Increased self reliance at the local level
 - Growth of WMS services will increase with the growth of easy-to-use viewers such as Google Earth, Microsoft Virtual Earth, ArcGIS Explorer, and NASA World Wind – and other map service formats

- Local governments increasingly major facilitators in building and exposing map services – routinely providing the best “*authoritative*” geospatial data
- Industry and business map services probably next – further expanding online data offerings
- Not uncommon that the same organizations which are publishing map services ALSO have rich data catalogs available for download
- Test drive map services @ Geospatial One-Stop
www.geodata.gov





National Geospatial Program Office

Questions

Sam Wear

swear@usgs.gov

914-995-3047