

State Geospatial Data Coordination Procedure

Connecticut

FINAL

May 2016



FEMA

State Geospatial Data Coordination Procedure

Connecticut

Table of Contents

Table of Contents	1
Purpose of the Procedure.....	2
Default Flood Hazard Base Map for the State.....	3
Geospatial Data Coverage	3
Datasets for DFIRM Production.....	3
Orthophotos.....	3
Transportation (roads, railroads, and airports).....	4
Hydrography (rivers, streams, lakes, and shorelines)	5
Political boundaries (county, municipal)	6
Publicly owned lands (national, state, and local parks, forests, etc)	6
Terrain (elevation)	7
Useful Risk MAP Discovery Data Sources.....	7
Data Distribution Process for State Data.....	13
Federal Nationwide Geospatial Data Holdings	14
Finding and Accessing Other Existing Geospatial Data	14
Clearinghouses and Inventories for the State.....	14
3D Elevation Program.....	14
Geospatial One-Stop	15
Working with People.....	15
Useful State and Federal Contacts	15
Involving State’s Geospatial Coordinator in Flood Studies.....	16
State Coordination Process for Building Geospatial Partnerships.....	16
Finding Local Geospatial Contacts	17
Provide Feedback on This Procedure	17

State Geospatial Data Coordination Procedure

Purpose of the Procedure

Flood insurance studies search for geospatial data during Discovery tasks. If needed data are not available, studies might fund the collection of new data and would like to know about other organizations that might share in these costs. Detailed information about the role geospatial data coordination in studies is in the *Geospatial Data Coordination Implementation Guide*, which is available at https://hazards.fema.gov/femaportal/docs/GeoDataImplem_V3.pdf and *Geospatial Data Coordination* Guidance Document, which is available at <http://www.fema.gov/media-library/assets/documents/34953>.

Resources developed through FEMA's geospatial data coordination activities provide information about data and contacts for organizations that have geospatial data that cover large areas (like states) in which many studies are interested. Studies can avoid wasting time with dead-end searches and cold calls by starting with these proven sources of information.

One resource is this Geospatial Data Coordination Procedure. It outlines sources of geospatial data and contact information, preferences for base map data and state geospatial participation in studies, and other useful information for the State.

If you have questions about this procedure or other geospatial data coordination resources, contact the geospatial data coordination lead in your Region 1 Service Center:

Diana Rodriguez
Compass Regional Service Center 1
(312) 780-7710
rodriguezad@cdmsmith.com

State Geospatial Data Coordination Procedure

Default Flood Hazard Base Map for the State

The default base map for flood hazard maps for the State is an image base map (orthophoto).

Geospatial Data Coverage

Find below information about and links to statewide (and Federal agencies' national) geospatial datasets. The list is provided to save time during Discovery activities when building a list of candidate geospatial datasets available for the study; it is not a prescription of datasets that must be used in a flood insurance study.

Datasets for DFIRM Production

Orthophotos

Dataset name: CT 2010 National Agriculture Imagery Program (NAIP) 4 Band Color and Color Infrared Orthophoto (leaf on)

Data currentness: Publication date: October 2010

Accuracy/Scale: FSA Digital Orthophoto Specs.

Ground sample resolution: 1 meter

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution: Yes

Dataset source: USDA-FSA-APFO Aerial Photography Field Office/ Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: DEEP Webmaster, CT Dept. of Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes:

Dataset name: 2009 Capitol Region Council of Governments Orthophotography 2009 Capitol Region Council of Governments Orthophotography (leaf off)

Data currentness: Publication date: November 2010

Accuracy/Scale: 1:1,200

Ground sample resolution: 3 inch pixel resolution

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution: Yes

Dataset source: Capitol Region Council of Governments / CT DEEP

Dataset contact: DEEP Webmaster, CT Dept. of Environmental Protection, 79 Elm Street, Hartford, CT 06106-512, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: The coverage area includes the following municipalities in Connecticut - Andover, Avon, Bloomfield, Bolton, Canton, East Granby, East Hartford, East Windsor, Ellington, Enfield, Farmington, Glastonbury, Granby, Hartford, Hebron, Manchester, Marlborough, Newington, Plainville, Rocky Hill, Simsbury, Somers, South Windsor, Suffield, Tolland,

State Geospatial Data Coordination Procedure

Vernon, West Hartford, Wethersfield, Windsor, and Windsor Locks. The ground resolution is 3 inches (0.25 ft) per image pixel and the date of the photography is Spring 2009.

Dataset name: 2010 Connecticut Coastal 4Band Aerial Photography Project

Data currentness: Publication date: 2010

Accuracy/Scale: 1:12,000

Ground sample resolution: The ground resolution of the imagery is approximately 1 ft per pixel.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution: Yes

Dataset source: PhotoScience, Inc (data compiler)

State of Connecticut Department of Environmental Protection (data maintainer and publisher)

Dataset contact: DEEP Webmaster, CT Dept. of Environmental Protection, Kevin O'Brien, dep.gisdata@po.state.ct.us.

Notes: The 2010 Connecticut Multispectral Coastal Digital Orthophotography is 1:12,000-scale, 4-band (red, green, blue, and near infrared) tide controlled orthorectified imagery. These data were compiled from a set of 821 individual vertical aerial images taken over 3 distinct days during a June 15 to September 15, 2010 flight window. The individual orthophotos have been subsequently mosaicked into a composite that can be configured to show either true color or color infrared versions of the coastal landscape.

Transportation (roads, railroads, and airports)

Dataset name: CT Trail Roadway

Data currentness: Publication date: June 2006

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Are road names part of the dataset? No

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: Roadway line features are optional features in the Statewide Trails Database used to place a trail system in context with nearby park roads or park entrance. They are very simple line features used to represent driveways, park roads, forest roads, and occasionally public roads on or along the public property where the trail system exists. Roadway line features are optional.

Dataset name: Railroads

Data currentness: Publication date 1994; Latest edition: 2005

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

State Geospatial Data Coordination Procedure

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Are road names part of the dataset? No

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: Howie Sternberg, State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: The 2005 Edition essentially includes the same set of geographic features published in 1994. However, the 2005 Edition differs from information published in 1994 primarily as a result of corrections and improvements to feature geometry and feature attribute information. Previously undetected errors have been corrected.

Dataset name: Airports

Data currentness: Publication date: 1994; Latest edition: 2008

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Are road names part of the dataset? No

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: Howie Sternberg, State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: The 2005 Edition essentially includes the same set of geographic features published in 1994. However, the 2005 Edition differs from information published in 1994 primarily as a result of corrections and improvements to feature geometry and feature attribute information. Previously undetected errors have been corrected.

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: Connecticut Hydrography Line

Data currentness: Publication date: 1994; Latest edition: 2005

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: Howie Sternberg, State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: The 2005 Edition essentially includes the same set of geographic features published in 1994. However, the 2005 Edition differs from information published in 1994 primarily as a result of corrections and improvements to feature geometry and feature

State Geospatial Data Coordination Procedure

attribute information. Previously undetected errors have been corrected. Also, some feature attribute information (data fields) have been slightly modified and made easier to use. Hydrography features are represented as combinations of polygons and lines and are classified as they are depicted on the published quadrangle maps. Rivers, streams, lakes, ponds, marshes, bays, tidal flats, rocks, channels, and dams are example classifications. In general, single line streams, shorelines, and dams are represented as lines; and double line streams, lakes, ponds, bays, channels, tidal flats, rocks, and marshes are polygons.

Political boundaries (county, municipal)

Dataset name: Towns

Data currentness: Publication date 1994; Latest edition: 2005

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: Howie Sternberg, State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes:

Publicly owned lands (national, state, and local parks, forests, etc)

Dataset name: Federal Open Space

Data currentness: 1997; Latest update: 2004

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: State of Connecticut, Department of Environmental Protection, (860) 424-3540, deep.gisdata@ct.gov

Notes: Federal Open Space contains property that comprises federally owned land. This layer can be used with the DEEP Property and Municipal and Private Open Space layers for a more comprehensive understanding of open space and recreation land throughout the State of Connecticut. This layer has not been updated since 2004 and may not be accurate. For more accurate and current open space parcel data, please see the Protected Open Space and the Protected Open Space Phase 1 feature classes. Although the data in those feature classes is more accurate, it does not include any easements; it contains only land owned in fee simple interest. For easements, continue to utilize the Federal Open Space feature class, with the knowledge that it is older data and is subject to verification in municipal land records.

Dataset name: CT DEEP Property

Data currentness: May 2010

Accuracy/Scale: 1:24,000

State Geospatial Data Coordination Procedure

Horizontal datum: NAD 83

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: CT DEEP, (860) 424-3016, deep.gisdata@ct.gov

Notes: DEEP Property is a polygon feature-based layer that includes all land owned in fee simple interest by the State of Connecticut Department of Energy and Environmental Protection. This layer is based on information that was collected and mapped at various scales and at different levels of accuracy. Generally, partial interests such as easements or development rights are not included in this layer. The exception is flood control areas, which may include permanent easements. Types of property in this layer include parks, forests, wildlife areas, flood control areas, scenic preserves, natural areas, historic reserves, DEEP owned waterbodies, water access sites and other miscellaneous properties. This layer is current and is updated as parcels are acquired by DEEP.

Terrain (elevation)

Dataset name: Connecticut 2-FT Contours (Revised)

Data currentness: Publication date: May 2011

Accuracy/Scale: 1:100,000

Vertical datum: NAVD 88

Fee associated? Not for online acquisition.

Available for redistribution? Yes

Dataset source: Connecticut Department of Energy & Environmental Protection (CT DEEP)

Dataset contact: Howie Sternberg, State of Connecticut, Department of Environmental Protection, deep.gisdata@ct.gov

Telephone: (860) 424-3540

Notes: This elevation data should not be used for flood hazard modeling and mapping purposes, it is for reference only.

Useful Risk MAP Discovery Data Sources

Preliminary information on Discovery data sources is provided in this document to reduce the level of effort needed on each subsequent Discovery data collection effort.

Coordination with local community sponsors for additional local data still remains an integral part of Discovery and local data should be used where appropriate.

The National Geospatial Data Coordination Procedure document contains information on data resources available from other Federal agencies (OFAs), including those that FEMA maintains at the national level, and should be used in conjunction with this State Geospatial Data Coordination Procedure document. In addition, FEMA and its contractors have created a geospatial Discovery Data Repository to host data that are not readily accessible through direct sources such as Web sites or subscription services and/or are not updated on a frequent basis. Instructions on accessing the Discovery Data Repository are given in the national Geospatial Data Coordination Procedure document.

State Geospatial Data Coordination Procedure

Table 1 identifies data resources that are available at the regional and State levels, and also if there are no data available other than the national datasets. Resources in this table have been identified as appropriate for Discovery projects and may not represent the best data sources for FIRM production (please see the Preferred Base Map Sources section of this document for geospatial data that meets FIRM production requirements).

Table 1. Discovery Data Resources

Data	Data Source	Location
Watershed boundaries	National	Discovery Data Repository
Jurisdictional boundaries	National	Discovery Data Repository CT DEP State and Municipal Boundaries: ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Political_gdb.zip
	State	Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates
Tribal land boundaries	National	Discovery Data Repository
State lands	State	CT Department of Environmental Protection Open Space, DEP Property and Parcels (contains federal, state, county, municipal, and parcels): ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Property_gdb.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates.
Federal lands	National	Discovery Data Repository
Major roads	State	ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Transportation_Archive_gdb.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates
	National	Discovery Data Repository

State Geospatial Data Coordination Procedure

Data	Data Source	Location
Streams	Regional/State/Local	ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Hydrography_gdb.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates
	National	Discovery Data Repository
Coastal Barrier Resource Areas	National	Discovery Data Repository
Coordinated Needs Management Strategy	National	See National Operating Procedure
Topographic/ bathymetric data	National	See National Operating Procedure
AAL data from HAZUS	National	Please contact the RSC if you have problems retrieving the data.
Coverage areas for known community and Tribal risk assessment data	Regional	Risk class deciles by Census Block Group Discovery Data Repository
Status of Hazard Mitigation Plans	Regional	AMPS - Region 1 Mitigation Plan Tracking: https://riskmapportal.msc.fema.gov/FEMA_REGIONS/REGIONI/AMPS/default.aspx Contact RSC1 for further information
	National	Discovery Data Repository
Flood control structure data	National	See National Operating Procedure
Locations of stream gages	National	Discovery Data Repository
Locations of past flood claims and repetitive loss properties	CIS Report	Contact the geospatial data coordination lead at your RSC referenced earlier in this document.
Locations of clusters of Letters of Map Change	National	See National Operating Procedure
Known flooding issues not represented on effective FIRMs or listed in Coordinated Needs Management Strategy database	Local Only	
Areas of planned development	Local Only	

State Geospatial Data Coordination Procedure

Data	Data Source	Location
Areas of land use change datasets	National	See National Operating Procedure
	State	UCONN CLEAR land cover data and change (1985-2010): http://clear.uconn.edu/projects/landscape/download.asp
Locations of ongoing projects or updated stream studies (e.g. highway improvements)	Regional	USACE, New England District maintains a list of ongoing and recent projects: http://www.nae.usace.army.mil/Missions/ProjectsTopics.aspx
	State	http://www.nae.usace.army.mil/Media/StateUpdateReports.aspx
Locations of wave and tide gauges	National	See National Operating Procedure
Locations of wind gauges	National	See National Operating Procedure
Proposed inland limit of the Primary Frontal Dune, if present		See Effective or Preliminary DFIRM data. PFD Delineations are created during the DFIRM process.
Locations of any beach nourishment or dune restoration projects	SLOSH Zones	See National Operating Procedure
Comparison of preliminary stillwater elevations with effective stillwater elevations	Local Only	
Available effective study data	National	See National Operating Procedure
Orthophotography	National	See National Operating Procedure
	State	CT DEEP has multiple datasets; map services available as well as GDBs: http://www.ct.gov/dep/cwp/view.asp?a=2698&q=322898
Proposed discussion areas, problem areas, areas of proposed mitigation projects	Local Only	
Land use and soil information	Land Use	UCONN CLEAR land cover data and change (1985-2010): http://clear.uconn.edu/projects/landscape/download.asp
	Soils	See National Operating Procedure
Reference points to locate areas with flooding issues	Local Only	

State Geospatial Data Coordination Procedure

Data	Data Source	Location
Hydraulic structures	Culverts Levees, Dams, Bridges	Local Only See National Operating Procedure
	State	Data on dams collected by CT DEP, publication date 1996 ftp://ftp.state.ct.us/pub/dep/gis/shapefile_for_mat_zip/Dam_shp.zip Check http://www.ct.gov/dep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates
Coastal structures, including flood protection structures, shoreline structures, manmade embankments, surge conveyance pathways, and shoreline change data	State	CT DEEP shoreline classification: ftp://ftp.state.ct.us/pub/dep/gis/shapefile_for_mat_zip/ESI_2002_shp.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707 for updates
	Regional	The MLI database (See levees and National Operating Procedure, above) may contain coastal levees or structures. FAST Tracker on FEMA SharePoint, please contact RSC1 for further information.
Local structure and topographic data from the existing hazard mitigation plans	Regional	AMPS - Region 1 Mitigation Plan Tracking: https://riskmapportal.msc.fema.gov/FEMA_REGIONS/REGION1/AMPS/default.aspx Contact RSC1 for further information
Historic inundation areas and high water marks	Historic Riverine Inundation Areas	See National Operating Procedure
	Storm Surge Inundation Areas	See National Operating Procedure
	High Water Marks	Local Only
Clusters or locations of Individual Assistance/Public Assistance grants and locations of grant projects completed, planned, or underway	National	See National Operating Procedure

State Geospatial Data Coordination Procedure

Data	Data Source	Location
Locations of projects and structures completed or planned for FEMA Hazard Mitigation Assistance grant programs or mitigation funds from other agencies or entities, such as the Small Business Administration	National	See National Operating Procedure
Other information on FEMA grants, as described in G&S Appendix I	Local only	
Any data deficiencies identified in hazard mitigation plans	Regional	AMPS - Region 1 Mitigation Plan Tracking: https://riskmapportal.msc.fema.gov/FEMA_REGIONS/REGION1/AMPS/default.aspx Contact RSC1 for further information
Information from FloodSmart on market penetration	FEMA	http://www.floodsmart.gov/floodsmart/
Community Assistance Visits / Community Assistance Contacts	National	Discovery Data Repository
Community Rating System class information	National	See National Operating Procedure
Information from other Federal agencies	National Only	See National Operating Procedure
Information from State agencies, non-profit organizations, universities, etc.	Regional	
Current community plans, ordinances, or programs to alleviate flooding or manage stormwater	Local only	

State Geospatial Data Coordination Procedure

Data	Data Source	Location
Other known hazards with geographical boundaries (e.g. earthquake faults)	Tsunami Landslide Volcanic Eruptions Wildfire	Discovery Data Repository Discovery Data Repository Discovery Data Repository Discovery Data Repository
	Hurricane	CT DEEP and USACE Worst-Case Hurricane Inundation: ftp://ftp.state.ct.us/pub/dep/gis/shapefile_for_mat_zip/CT_Hurricane_Surge_Inundation_shp.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&deepNav_GID=1707 for updates
Information on active disasters	Regional	USGS Hurricane Irene information: http://coastal.er.usgs.gov/hurricanes/irene/
	State	CT Dept. of Emergency Management & Homeland Security: http://www.ct.gov/demhs/site/default.asp
Campgrounds, recreational areas, emergency access routes, etc.	National	Discovery Data Repository CT Statewide Trails (Trails, access points, features, culverts, roadways): ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Statewide_Trails_gdb.zip
	State	Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&deepNav_GID=1707%20 for updates
Erosion susceptibility and sites	State	Part of the Geology geodatabase: ftp://ftp.state.ct.us/pub/dep/gis/geodatabase_format_zip/Geology_gdb.zip Check http://www.ct.gov/deep/cwp/view.asp?a=2698&q=322898&deepNav_GID=1707%20 for updates

Data Distribution Process for State Data

The Map and Geographic Information Center (MAGIC), the University of Connecticut's Map Library, collects maps, atlases, gazetteers, aerial photographs, and digital geospatial data, as well as resources on the history and current state of cartography. MAGIC does not provide a printing service for patrons. Even though MAGIC provides spatial data for use in many GIS programs, the staff do not provide cartographic ("map-making") services.

State Geospatial Data Coordination Procedure

However, the staff is able to provide basic help with ESRI GIS questions, concerning the data on the MAGIC Web site. GIS data is downloadable from [MAGIC's Website](#).

GIS map services are also available from Connecticut Environmental Conditions Online (CT ECO). See [CT ECO GIS Data](#).

GIS data is also available the Connecticut Department of Energy and Environmental Protection (CT DEEP). See [CT DEEP GIS Data](#).

Federal Nationwide Geospatial Data Holdings

Information about nationwide holdings and programs of Federal agencies is available from the Mapping Information Platform web site at <https://hazards.fema.gov/femaportal/docs/ProgFacts.pdf>.

Finding and Accessing Other Existing Geospatial Data

Find below information about and links to ways of searching for additional geospatial data available for the State. These capabilities can be useful for finding geospatial data other than the statewide and Federal data listed above, including those of special governments, counties and parishes, municipalities, tribes, universities, and other organizations.

Clearinghouses and Inventories for the State

The Map and Geographic Information Center (MAGIC), the University of Connecticut's Map Library, collects maps, atlases, gazetteers, aerial photographs, and digital geospatial data, as well as resources on the history and current state of cartography. MAGIC does not provide a printing service for patrons. Even though MAGIC provides spatial data for use in many GIS programs, the staff do not provide cartographic ("map-making") services. However, the staff is able to provide basic help with ESRI GIS questions, concerning the data on the MAGIC Web site. GIS data is downloadable from [MAGIC's Website](#).

GIS map services are also available from Connecticut Environmental Conditions Online (CT ECO). See [CT ECO](#).

GIS data is also available the Connecticut Department of Energy and Environmental Protection (CT DEEP). See [CT DEEP GIS Data](#).

3D Elevation Program

The U.S. Geological Survey (USGS) National Geospatial Program is developing the [3D Elevation Program \(3DEP\)](#) to respond to growing needs for high-quality topographic data

State Geospatial Data Coordination Procedure

and for a wide range of other three-dimensional (3D) representations of the Nation's natural and constructed features. The primary goal of 3DEP is to systematically collect 3D elevation data in the form of light detection and ranging (lidar) data over the conterminous United States, Hawaii, and the U.S. territories, with data acquired over an 8-year period. Interferometric synthetic aperture radar (IfSAR) data will be acquired for Alaska, where cloud cover and remote locations preclude the use of lidar in much of the State. The 3DEP initiative is based on the results of the National Enhanced Elevation Assessment that documented more than 600 business uses across 34 Federal agencies, all 50 States, selected local government and Tribal offices, and private and nonprofit organizations.

Geospatial One-Stop

Geospatial One-Stop, available at <http://geo.data.gov/geoportal/>, provides access to geospatial data from many sources. Two parts of the site that should be investigated are the “data categories” for existing data and the “marketplace” for data that are planned or in-work and for potential partners for new data collection activities.

Working with People

Useful State and Federal Contacts

The main contacts for the State’s geospatial activities and Federal agencies’ representatives in State are available on the Mapping Information Platform web site at <https://hazards.fema.gov/contacts/statecontacts/contacts.asp?page=CT>

Of special interest are:

MAGIC: Map and Geographic Information Center– The University of Connecticut's Map Library collects maps, atlases, gazetteers, aerial photographs, and digital geospatial data, as well as resources on the history and current state of cartography. MAGIC staff is able to provide basic help with ESRI GIS questions concerning the data on [MAGIC's Website](#).

Connecticut Department of Energy and Environmental Protection Geographic Information Systems – Geographic Information Systems at DEEP plays an important role in the DEEP's mission of protecting and preserving the environment for present and future generations. DEEP develops and maintains a statewide automated geographic storage and retrieval system that can rapidly integrate and analyze large amounts of spatial map and file data over any selected geographic area. DEEP develops and shares geospatial information with federal, state, and municipal government agencies such as the U.S. Geological Survey, Environmental Protection Agency, Federal Emergency Management Agency, Connecticut Department of Public Health, Connecticut Department

State Geospatial Data Coordination Procedure

of Transportation, and the Connecticut Office of Policy and Management. See [CT DEEP GIS Data](#).

Connecticut Department Environmental Conditions Online - Connecticut Environmental Conditions Online (CT ECO) is the collaborative work of the [Connecticut Department of Energy and Environmental Protection \(DEEP\)](#) and the University of Connecticut [Center for Land Use Education and Research \(CLEAR\)](#) to share environmental and natural resource information with the general public. CT ECO's mission is to encourage, support, and promote informed land use and development decisions in Connecticut by providing local, state and federal agencies, and the general public with convenient access to the most up-to-date and complete natural resource information available statewide.

CT ECO includes a variety of online maps and tools for viewing Connecticut's environmental and natural resources such as protected open space, farmland soils, wetland soils, aquifer protection areas, water quality classifications, and drainage basins. Each can be viewed separately or in conjunction with other environmental and natural resource information. In addition, CT ECO includes several sets of high resolution orthophotography, the most recent from 2010. See [CT ECO Website](#).

USGS New England Mapping Partnership Office

(http://www.usgs.gov/contact_us/?state=CT)– The USGS partnership program is the geospatial liason between the USGS and the New England States. The office is responsible for New Hampshire and other New England states.

Involving State's Geospatial Coordinator in Flood Studies

In order to participate in the FEMA flood hazard mapping effort, this office prefers to be contacted in all of the following ways:

- a) Meeting at the start of each year
- b) Send project list at the start of each year
- c) Send information once project scope is finalized

State Coordination Process for Building Geospatial Partnerships

Connecticut Geospatial Information Systems Council (GISC)

The Geospatial Information Systems (GIS) Council was developed to coordinate, within available appropriations, a GIS capacity for the state, regional planning agencies, municipalities, and others as needed. The system GIS must guide and assist state and local officials involved in transportation; economic development; land use planning; environmental, cultural, and natural resource management; public service delivery; and other areas as necessary. See [About CT GIS Council](#).

State Geospatial Data Coordination Procedure

Connecticut GIS User to User Network

The Connecticut GIS User to User Network mission statement is:

- a) To provide opportunities, through a variety of venues including workshops, meetings and the Internet, for members to share ideas, to learn about GIS activities, to explore collaborative opportunities and to discover geospatial information resources;
- b) To promote the free exchange of geospatial knowledge and information among members and to promote geospatial knowledge with the general public;
- c) To encourage the growth of the field of geospatial technology in the State of Connecticut;
- d) To serve as a geospatial technology resource;
- e) To communicate the needs and issues affecting Connecticut GIS users to the state agencies and elected officials responsible for developing GIS policy and acquiring geospatial data.

More information can be found at: <http://ctgis.uconn.edu/index.htm>

Finding Local Geospatial Contacts

Local contacts, including those from special government districts (for example, a regional planning commission); counties, parishes, or equivalent governments; tribes, municipal governments; and other organizations (for example, local universities) also have geospatial data that can help a flood insurance study. Contact information is available from the FEMA archive and web searches at government link portals such as <http://www.statelocalgov.net>.

Also of interest are:

- Naugatuck Valley Council of Governments: (203) 757-0535, <http://nvcogct.org/>.
- Connecticut Metropolitan Council of Governments: (203) 366-5405, <http://www.ctmetro.org/>
- Western Connecticut Council of Governments: (203) 775-6256, <https://westcog.org/>

Provide Feedback on This Procedure

When you find information in this Procedure or in other FEMA or State resources that are outdated, please tell the geospatial data coordination lead in the Region 1 Service Center what was wrong and the correct information (if you know it). Use the contact information for the lead listed in the section Purpose of the Procedure.

The lead will use your feedback to update this Procedure.