

CBS Veri Kaynakları

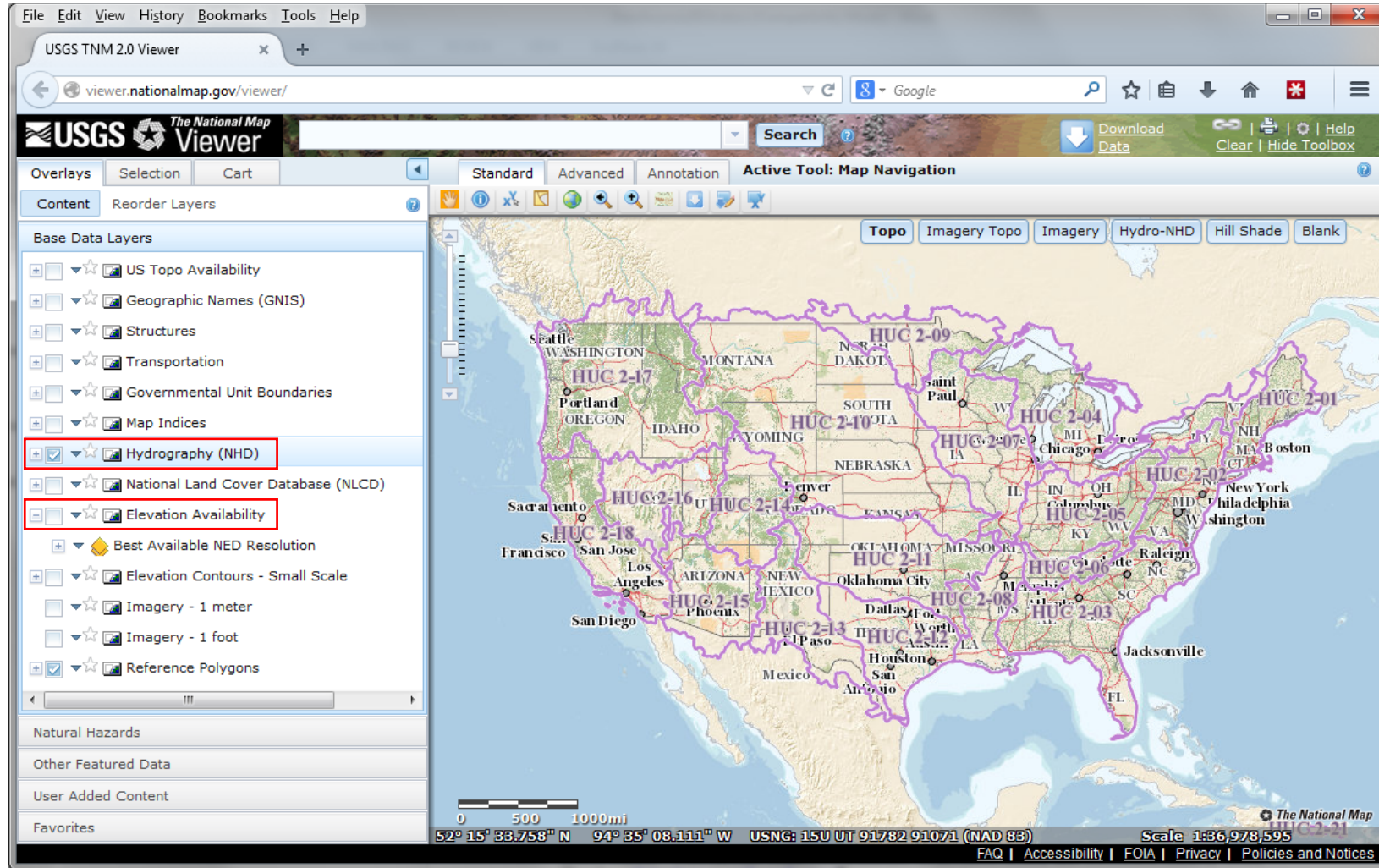
Dersin Amacı:


- Federal, eyalet ve yerel veri kaynaklarından coğrafi konumsal veri kaynaklarını bulmak ve edinmek
 - Projeleriniz için verileri nereden bulacaksınız.
- Shapefiles, rasterler ve coğrafi veri tabanları dahil olmak üzere CBS'de yaygın olan formatlardaki verilerle çalışmak

GIS Data Sources

<https://goo.gl/vNTPsH>

Ulusal Harita

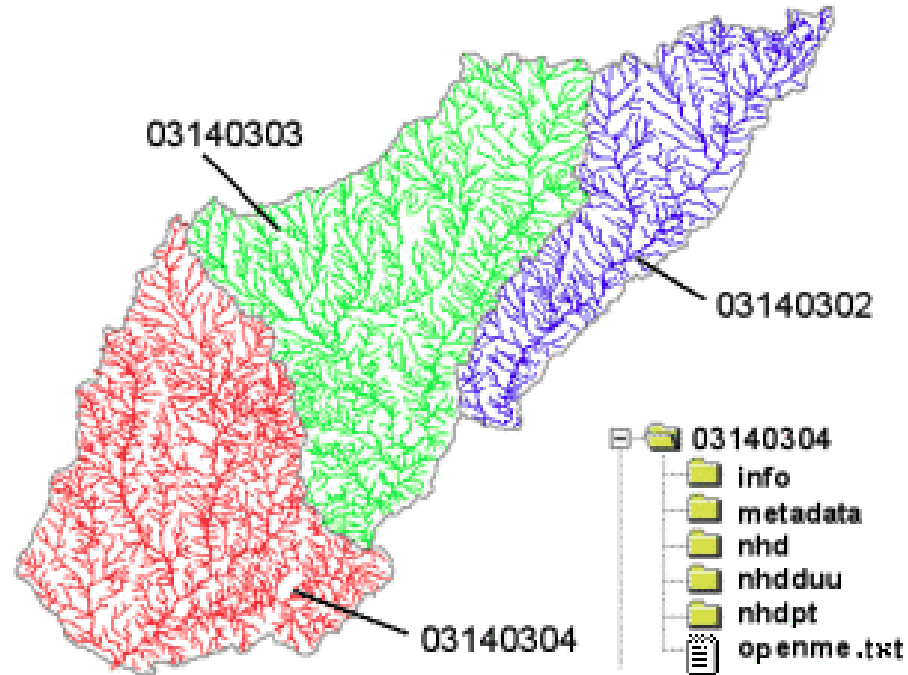


Amerikan hükümeti verileri için merkezi bir kaynak  <http://nationalmap.gov/>

National Hydrography Dataset



8-digit HUC
Havzalar için
Nehir Ağları



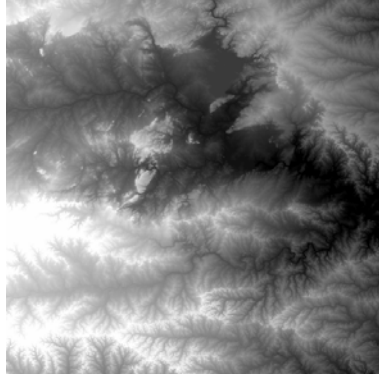
<http://nhd.usgs.gov/>

National Hydrography Dataset (NHDPlus)

Foundation for a Geospatial Hydrologic Framework for the United States

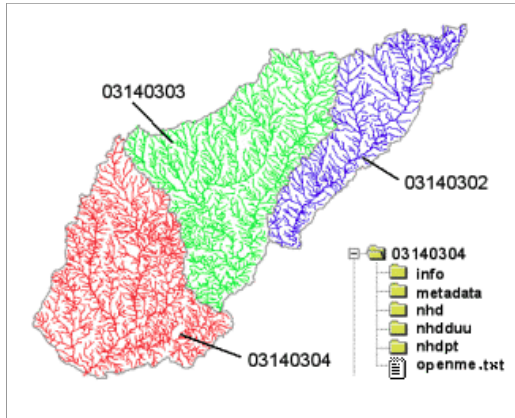
NHDPlus

ABD'de 2,7 milyon erişim havzası
ortalama alan 3 km²
erişim uzunluğu 2 km
Benzersiz şekilde etiketlenmiş



Ulusal Yükseklik Veri Seti

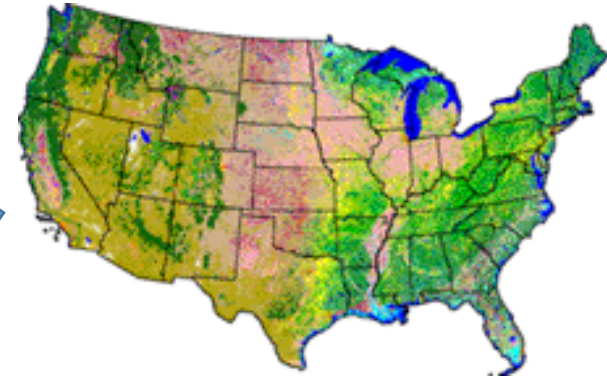
Ulusal Hidrografi Veri Seti



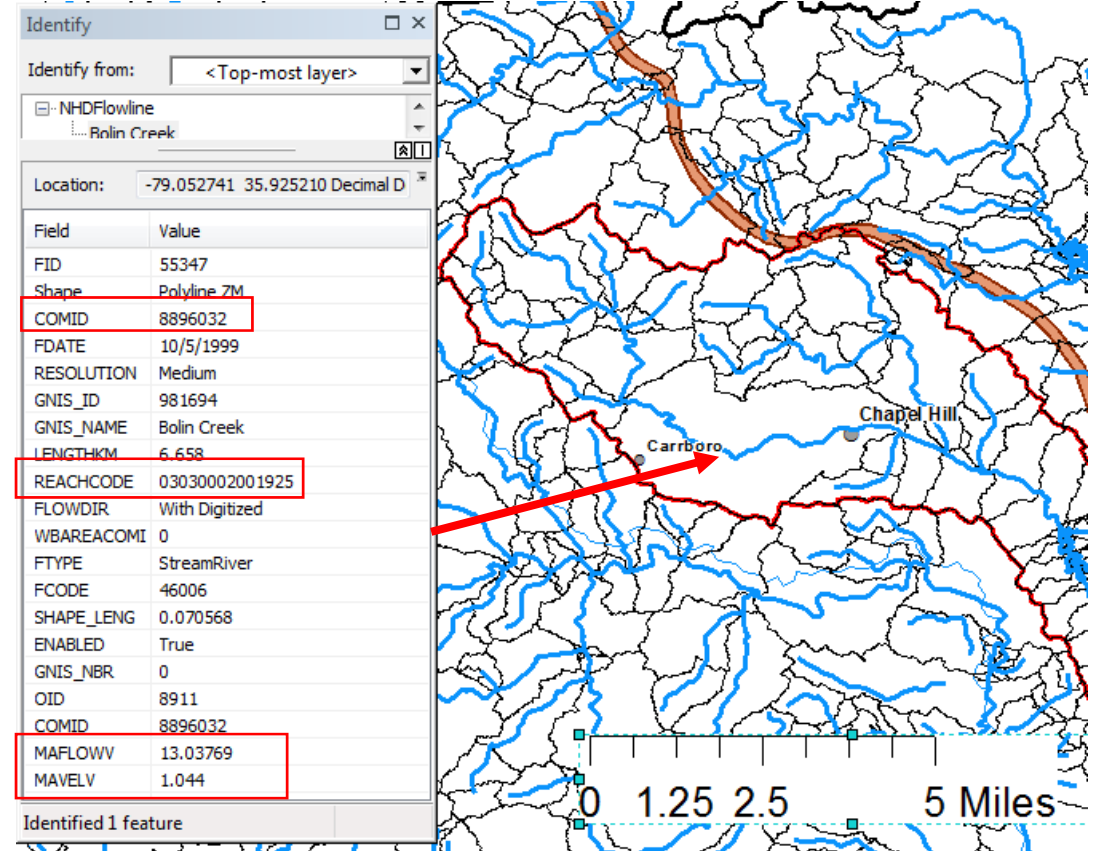
Havza sınırları veri seti



Ulusal Arazi Örtüsü Veri Seti

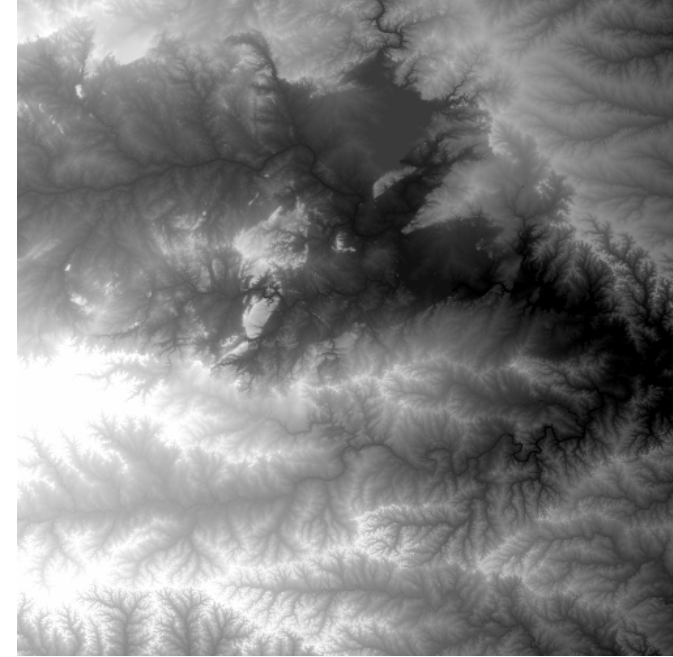


- Eğim
- Yükselti
- Ortalama yıllık akış
 - İlgili Hız (Corresponding velocity)
- Drenaj Alanı
- % farklı arazi kullanımlarında drenaj alanı
- Akış Sırası



Ulusal Ykseklik Veri Seti

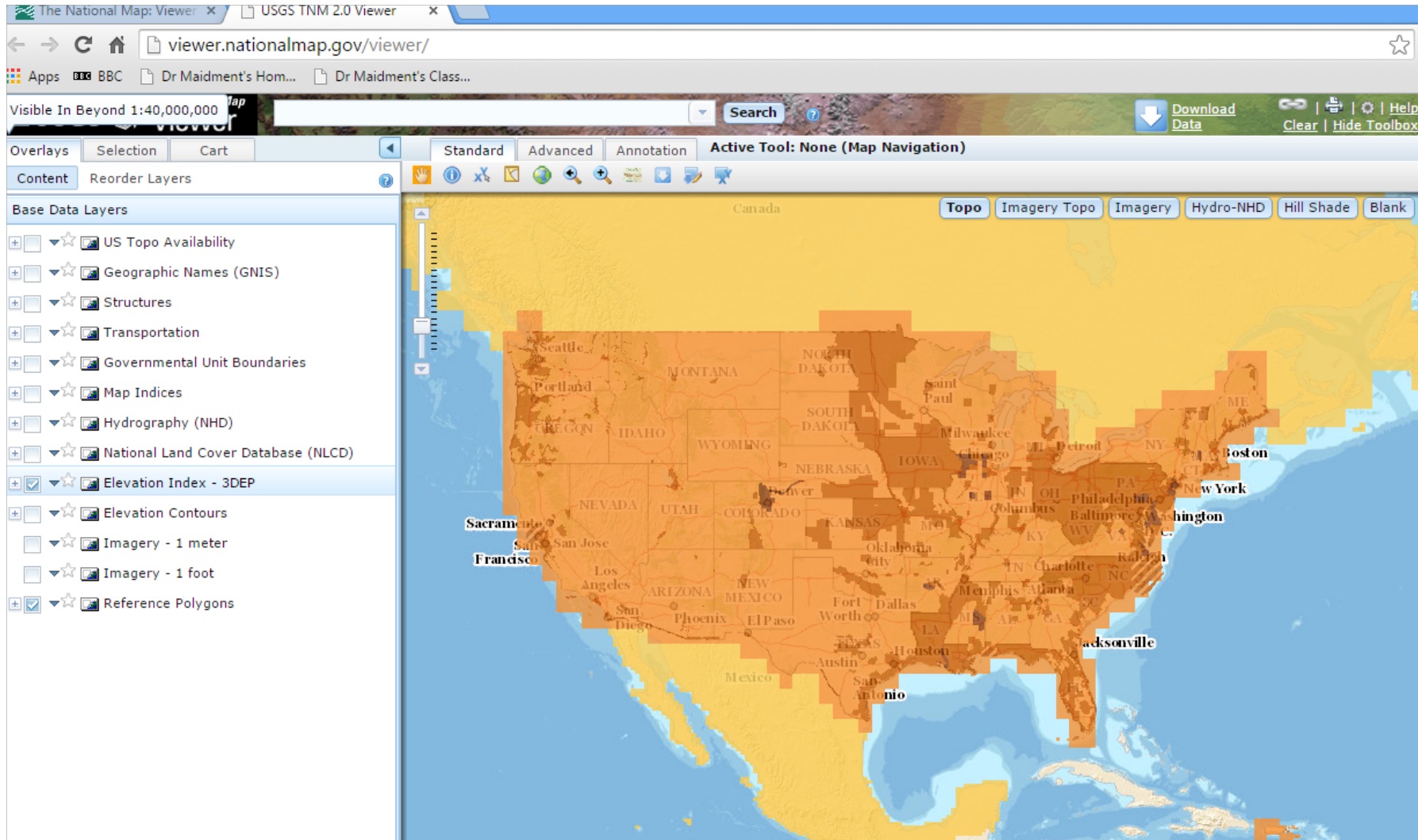
- **Digital Elevation Model**
- 1 yay-saniyelik (30 m), 1/3 yay-saniyelik (10 m) ve bazı 1/9 yay-saniyelik (3 m) hcreler
- Ulusal Haritanın bir parası olarak dađıtıldı
- 10 Milyar Veri
- USGS'ten **1:24,000** dikdrtgen sayfalar olarak elde edilmiř ve LIDAR'dan daha yksek znrlđe sahiptir.



Veriler Burdan alabilirsiniz: <https://viewer.nationalmap.gov/basic/>

<http://ned.usgs.gov/>

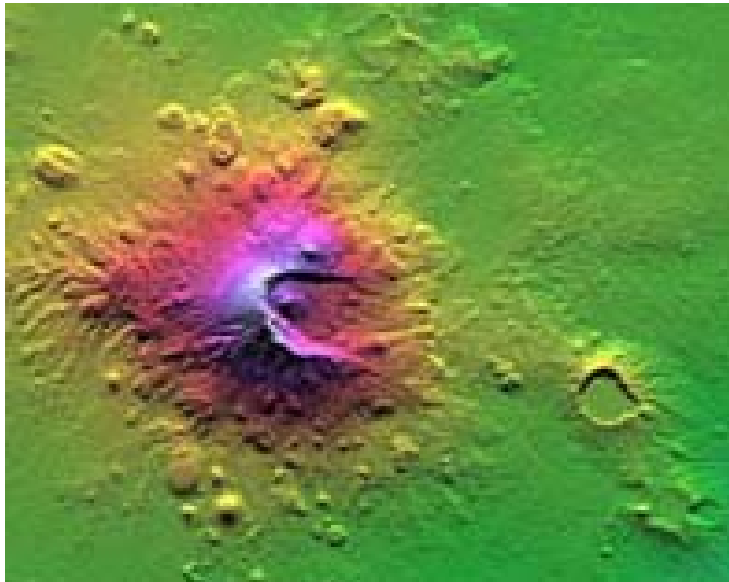
Ulusal Yükseklik Veri Seti Kullanılabilirliği



<https://viewer.nationalmap.gov/basic/>

Shuttle Radar Topography Mission

- Dünya için yükselti verileri (DEM)



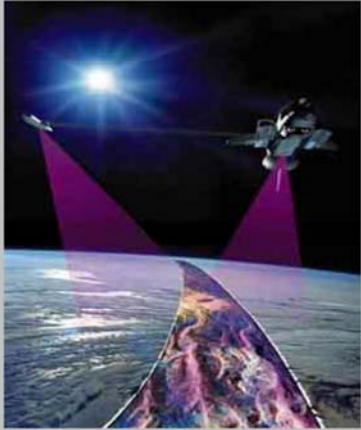
USGS
science for a changing world

USGS Home
Contact USGS
Search USGS

Shuttle Radar Topography Mission

Home Mission About Data Images Site Map

Mapping The World In 3 Dimensions





Under agreement with NASA, the USGS EROS Data Center distributes and archives SRTM data in accordance with a joint partnership Memorandum of Understanding between NASA and NGA.

SRTM Data is available is now available in a "finished" grade version for both DTED and SRTM Raster formats. See [Obtaining "Finished" SRTM Data](#) for more information about search and ordering.


To learn more about retrieving "unfinished" or research grade data from the Seamless environment, see [Obtaining "Unfinished" SRTM Data](#) for more information.

For more information on SRTM visit [JPL's SRTM website](#).

 
Jet Propulsion Laboratory

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
URL: <http://srtm.usgs.gov/index.php>
Page Contact Information: custserv@usgs.gov
Page Last Modified: June 30, 2015



<https://lta.cr.usgs.gov/SRTM>

USA Toprak Verileri

- Natural Resources Conservation Service (NRCS)
- State Soil Geographic Database-STATSGO
- Soil Survey Geographic Database- SSURGO

<http://www.nrcs.usda.gov/wps/portal/nrcs/site/soils/home/>

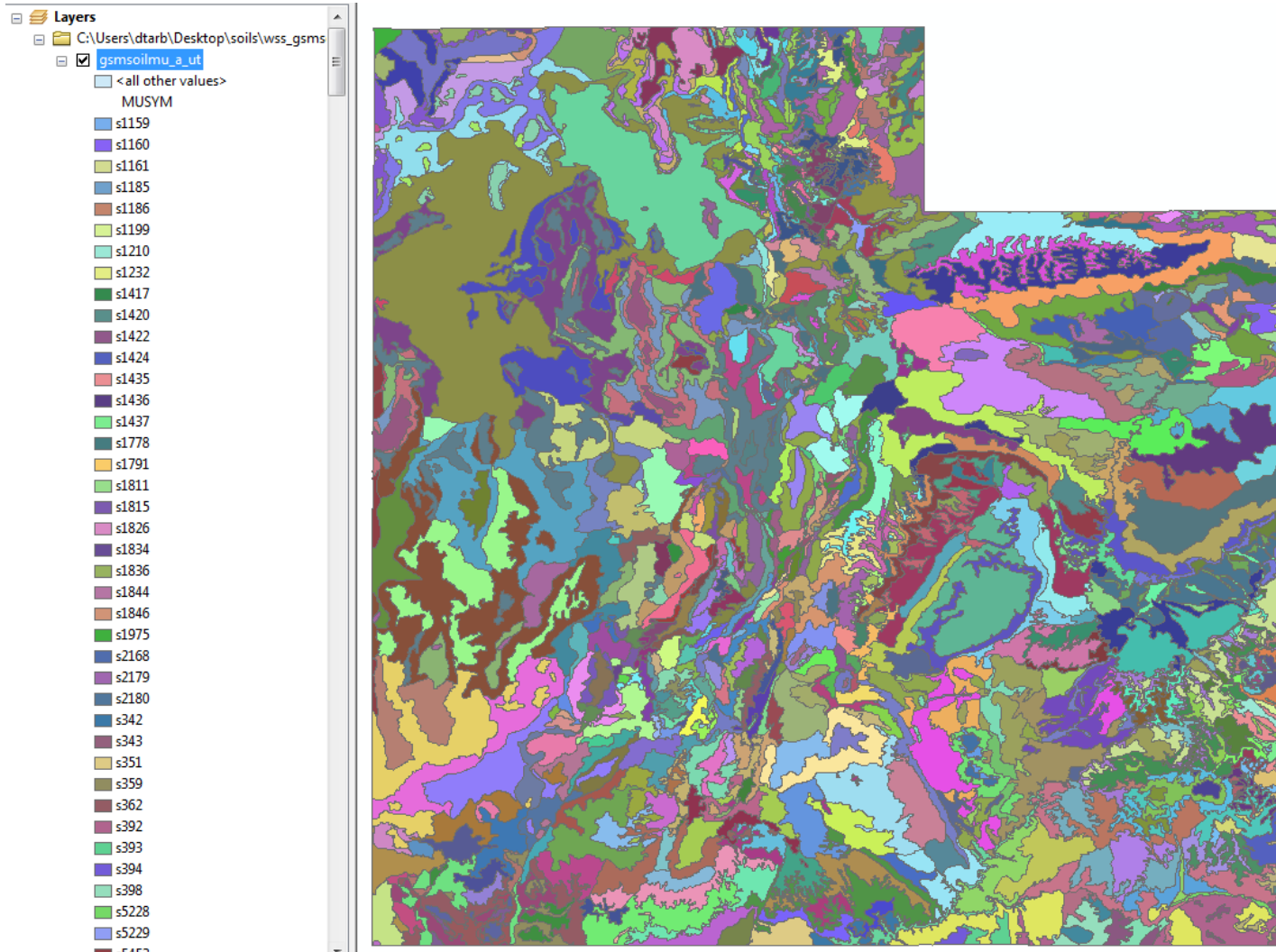
<http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

<https://gdg.sc.egov.usda.gov/>

National STATSGO Database

USDA-NRCS Soil Survey Division *Data Access*

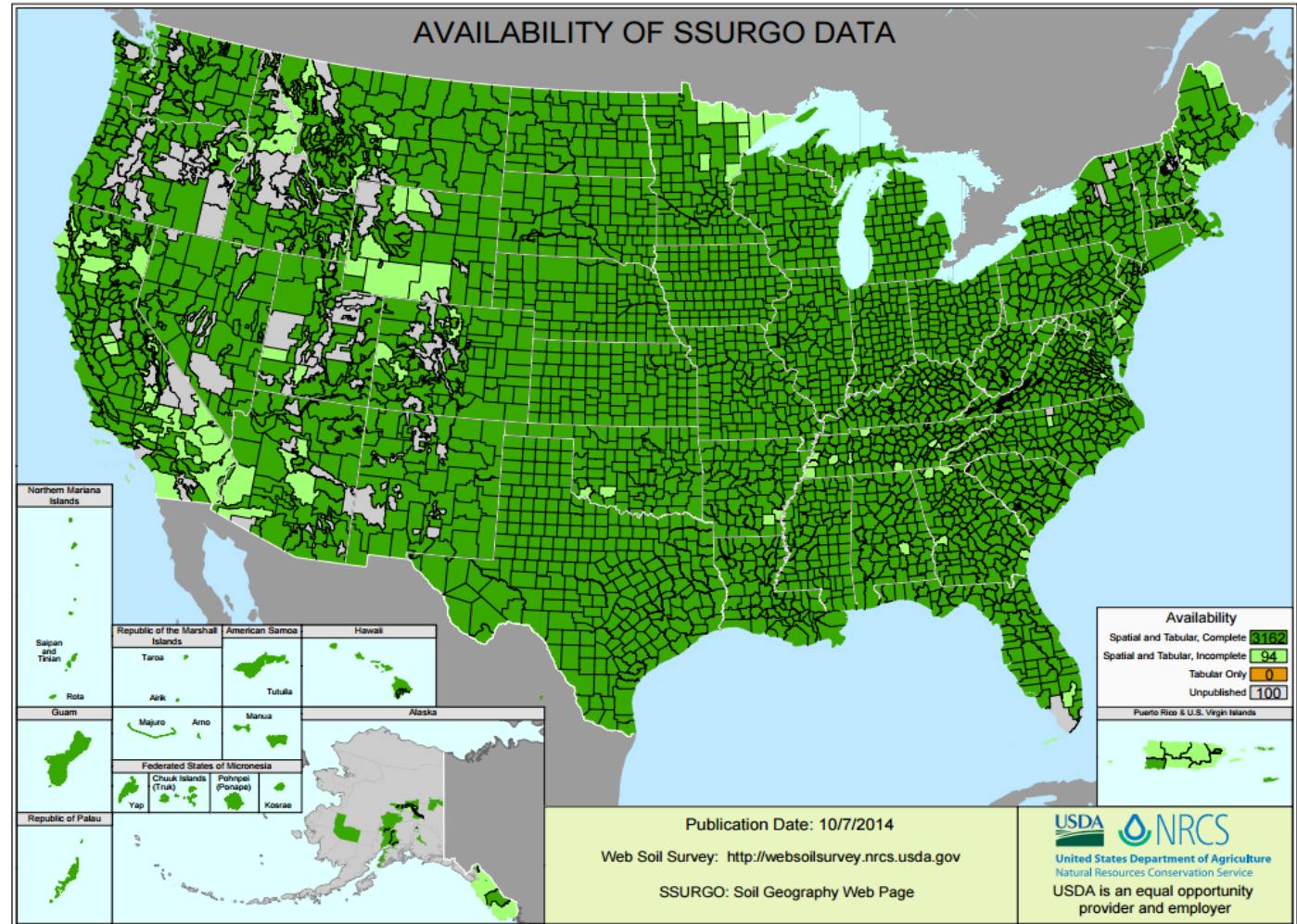
1:250,000 Ölçekli Toprak Bilgileri



<https://gdg.sc.egov.usda.gov/>

SSURGO:
İlçe Düzeyi Dijital
Toprak Haritaları

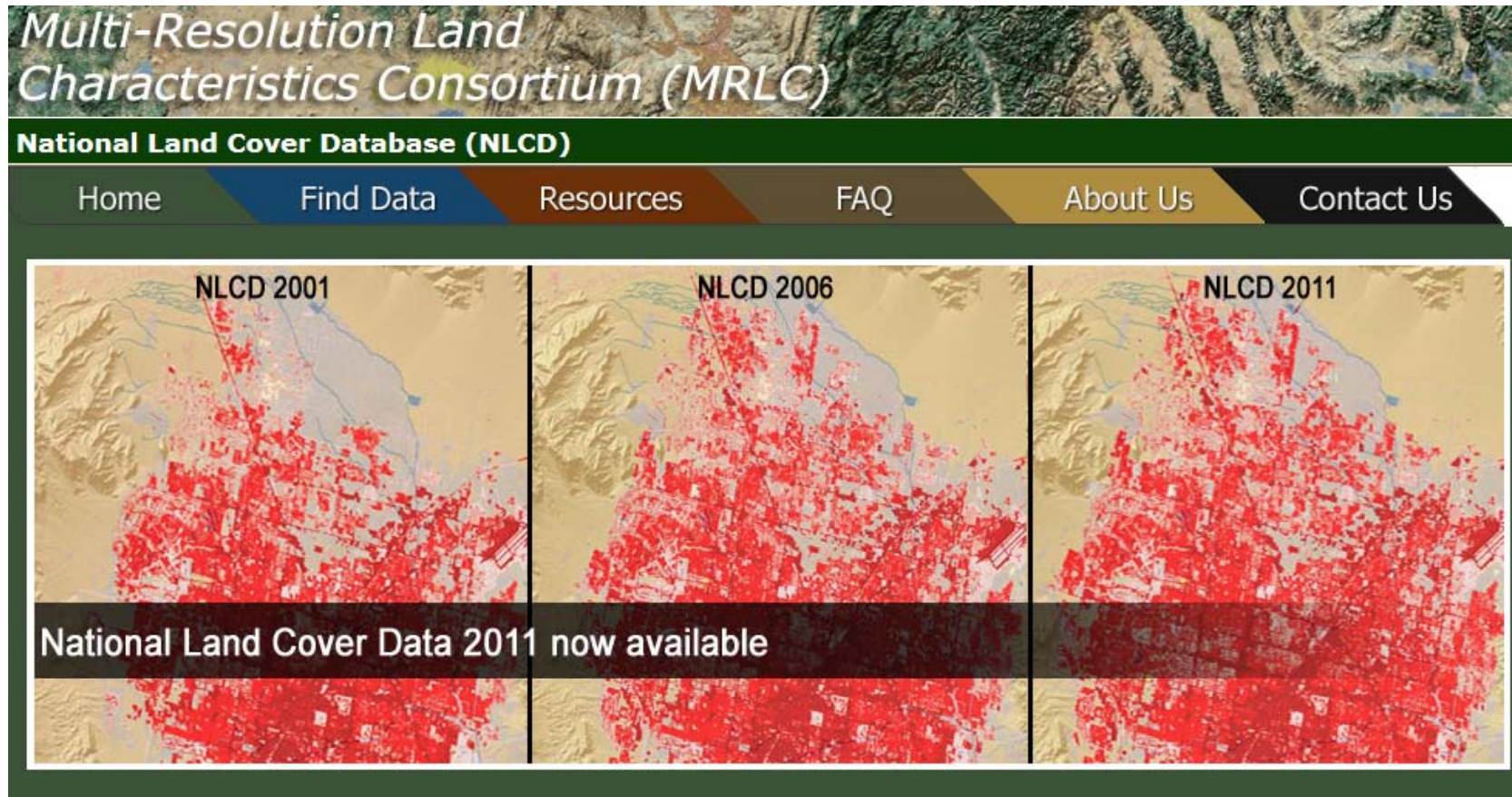
1:24,000 ölçekli
toprak bilgisi



<http://websoilsurvey.nrcs.usda.gov/DataAvailability/SoilDataAvailabilityMap.pdf>

Ulusal Bitki Örtüsü Veri Seti

1992, 2001, 2006 and 2011

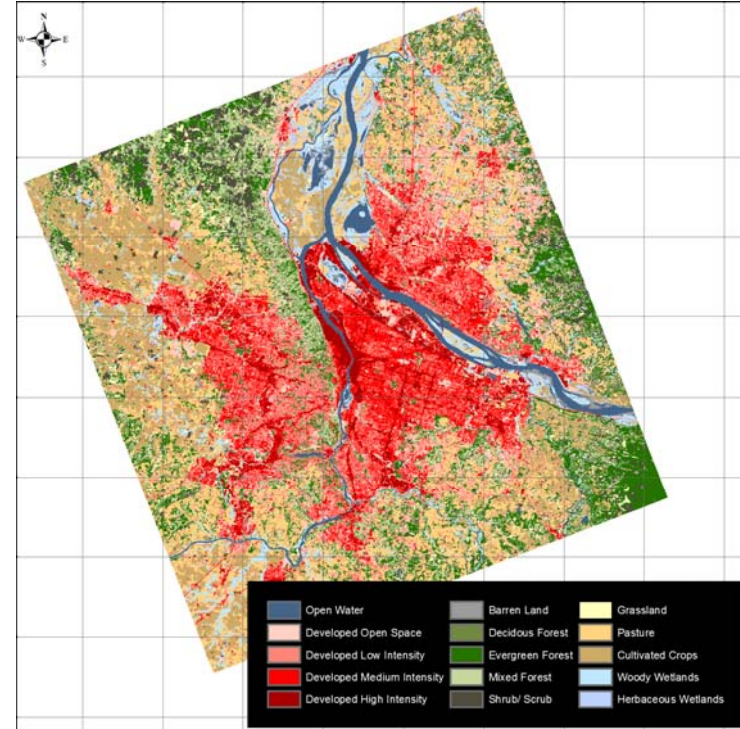
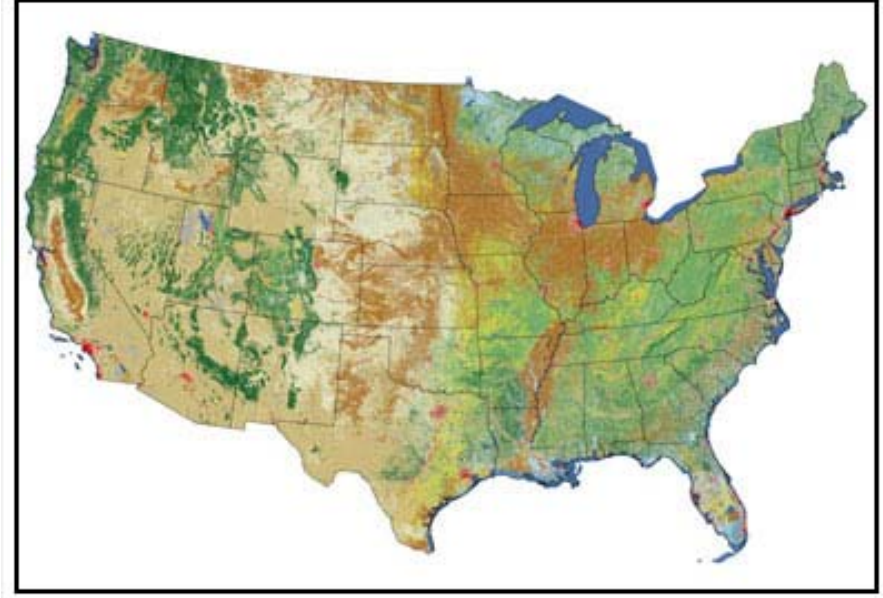


The image is a screenshot of the MRLC website. At the top, it reads "Multi-Resolution Land Characteristics Consortium (MRLC)" and "National Land Cover Database (NLCD)". Below this is a navigation menu with links for "Home", "Find Data", "Resources", "FAQ", "About Us", and "Contact Us". The main content area features three side-by-side maps labeled "NLCD 2001", "NLCD 2006", and "NLCD 2011". Each map shows a geographical area with red patches representing forest cover. A dark banner at the bottom of the maps reads "National Land Cover Data 2011 now available".

<http://www.mrlc.gov/>

NLCD Products

- Arazi örtüsü
- Geçirimsiz yüzey
- Yüzde gelişme
- Yüzde ağaç örtüsü (canopy)
- Arazi örtüsü değişikliği



United States Census

The screenshot shows a web browser window with the URL <https://www.census.gov/geo/maps-data/index.html>. The page features the United States Census Bureau logo and a navigation menu with links for Main, About, Maps & Data, Reference, Partnerships, Education, Research, GSS-I, and Contact Us. The main content area is titled "Geography" and includes a "Maps & Data" section with a description: "Find geographic data and products such as the TIGER/Line Shapefiles, KMLs, TIGERweb, cartographic boundary files, geographic relationship files, and reference and thematic maps." Below this, there are three columns: "Maps" (listing Census Data Mapper, Reference, Thematic, and Maps Available for Purchase), "Data" (listing TIGER Products, Census Geocoder, Partnership Shapefiles, Relationship Files, Gazetteer Files, Block Assignment Files, Name Lookup Tables, Tallies, and LandView), and "Geographic Data" (listing TIGER Products, Census Geocoder, and Partnership Shapefiles). A small image of a globe with data points is visible on the right side of the page.

United States Census Bureau

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAC

You are here: [Census.gov](#) > [Geography](#) > Maps & Data

Geography

[Main](#) [About](#) [Maps & Data](#) [Reference](#) [Partnerships](#) [Education](#) [Research](#) [GSS-I](#) [Contact Us](#)

Maps & Data

- [Maps & Data Main Page](#)

Maps


- [Census Data Mapper](#)
- [Reference](#)
- [Thematic](#)
- [Maps Available for Purchase](#)

Data

- [TIGER Products](#)
- [Census Geocoder](#)
- [Partnership Shapefiles](#)
- [Relationship Files](#)
- [Gazetteer Files](#)
- [Block Assignment Files](#)
- [Name Lookup Tables](#)
- [Tallies](#)
- [LandView](#)

Maps & Data

Find geographic data and products such as the TIGER/Line Shapefiles, KMLs, TIGERweb, cartographic boundary files, geographic relationship files, and reference and thematic maps.



Maps

[Census Data Mapper](#)

The Census Data Mapper is a web mapping application intended to provide users with a simple interface to view, save and print county-based demographic maps of the United States.

[Reference Maps](#)

Reference maps are designed to show the geographic locations of features and boundaries. These maps usually contain features, such as roads and rivers, and boundaries, such as county, place, census tracts, or many more. These maps do not contain demographic data and are used solely to show the location of and relationship between boundaries and features. For interactive reference maps see TIGERweb.

Geographic Data

[TIGER Products](#)

Geospatial Files and Applications from our MAF/TIGER database. Tools for use in GIS software, Web Mapping Services (WMS) to use in your applications, and browsers to view geographic data.

[Census Geocoder](#)

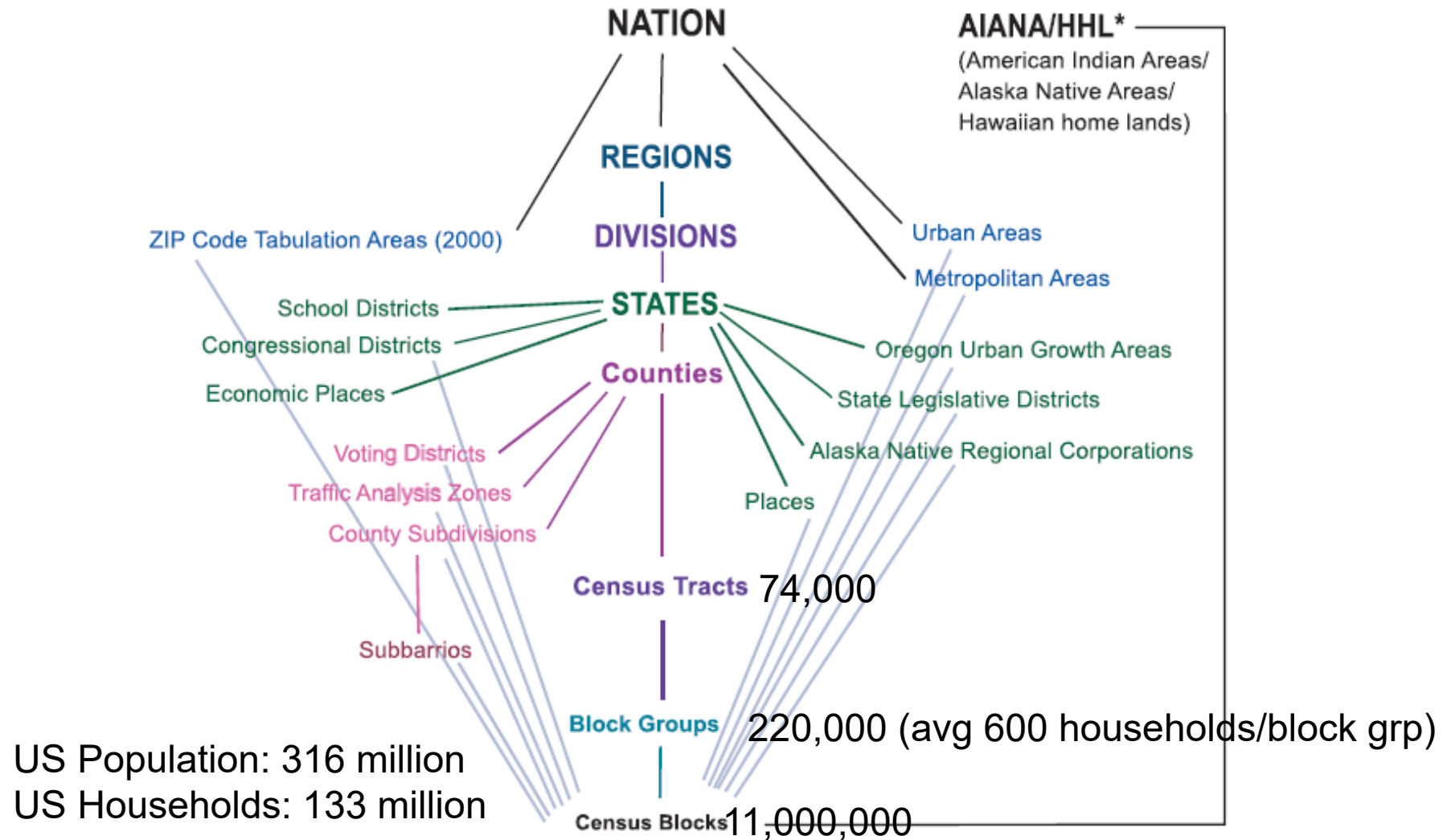
The Census Geocoder allows users to look up the geography an address is located within for up to 1,000 addresses at a time.

[Partnership Shapefiles](#)

The Partnership Shapefiles are used in our partner

Census Geographic Entities Hiyerarşisi

<http://www.caee.utexas.edu/prof/maidment/giswr2014/Census/AccessingCensusData.pdf>



Amerikan Toplum Anketleri

- Ayrıntılı demografik ve konut özelliklerinin kaynağı:
 - Gelir
 - Evde konuşulan dil
 - Eğitimsel kazanımlar
 - Meslek
 - İş yeri ve işe gidiş yolculuğu

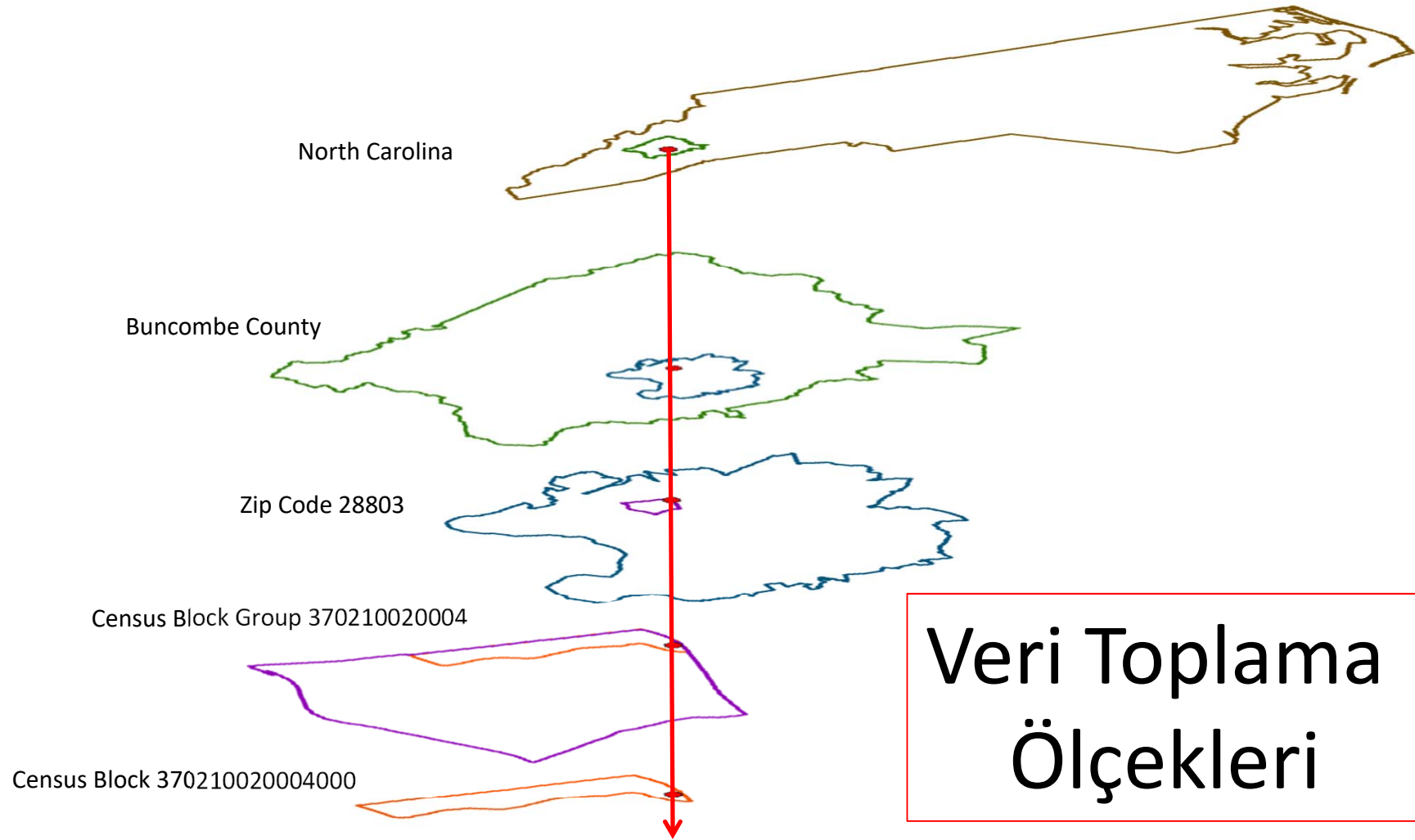
Veriler her yıl yaklaşık 3 milyon haneden veri toplanmaktadır.

Ayda yaklaşık 250.000 hane.

Yıl boyunca toplanan veriler

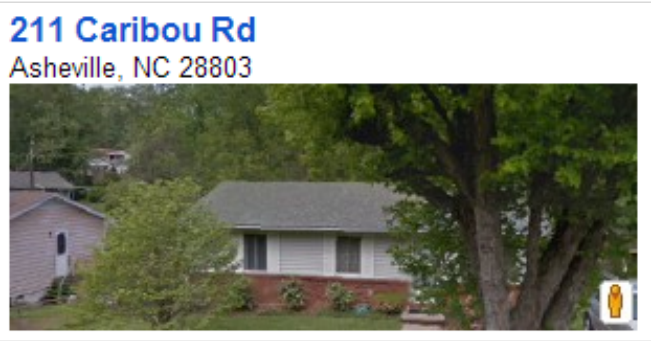
nokta tahminleri yerine dönem tahminleri üretir.

	ACS 1-Year Data	ACS 3-Year Data	ACS 5-Year Data
Geographic Areas	65,000 or more population	20,000 or more population	All areas, block group or higher



Veri Toplama Ölçekleri

A single property – 211 Caribou Rd



Climate.gov

NOAA **Climate.gov**
science & information for a climate-smart nation

News & Features Maps & Data Teaching Climate Supporting Decisions About Contact FAQs Site Map What's New?

Featured on Climate.gov 1 2 3 4 5

The heat is...off. For most of the U.S., the warmest day of the year has probably passed

September 4, 2015

Filed in: News & Features

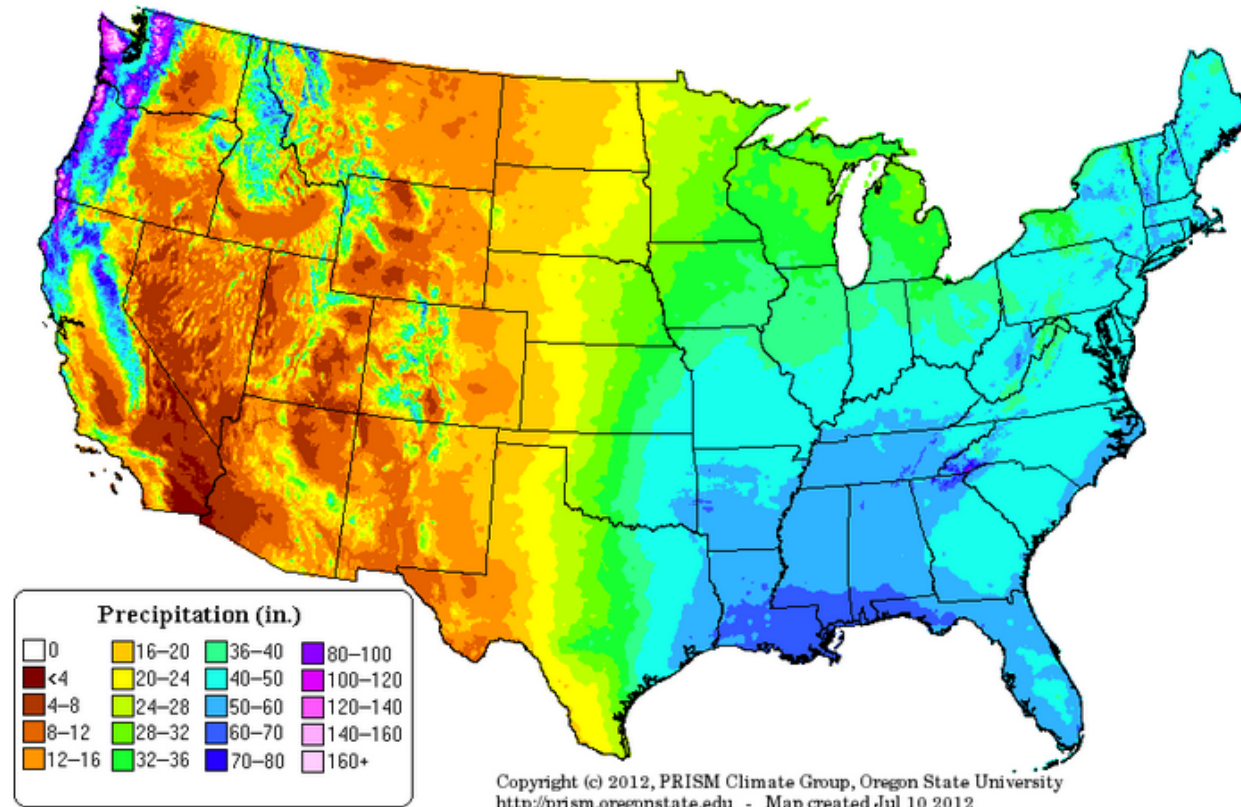
Based on data from 1981-2010, the vast majority of the Lower 48 experiences its warmest day of the year by the end of August. Where in the U.S. does climate data suggest the warmest day is still to come?

read more

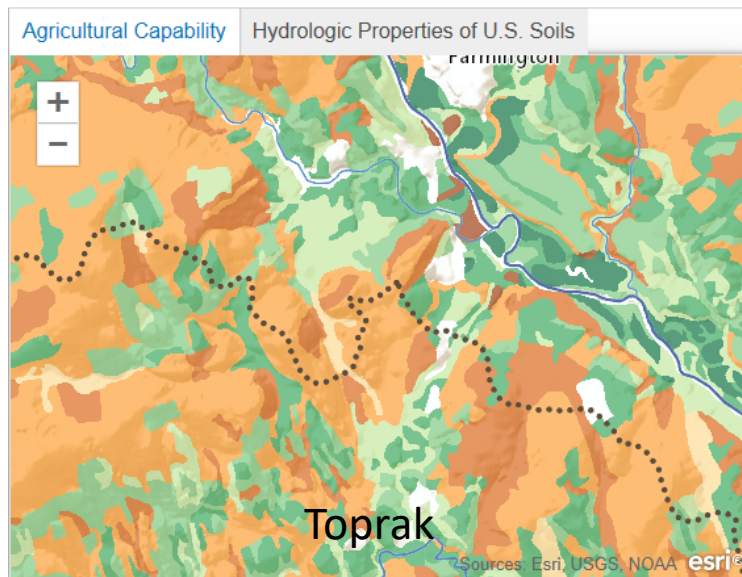
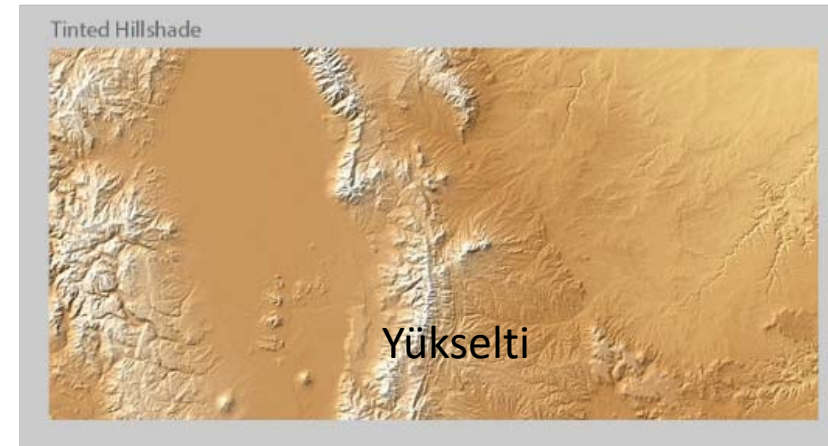
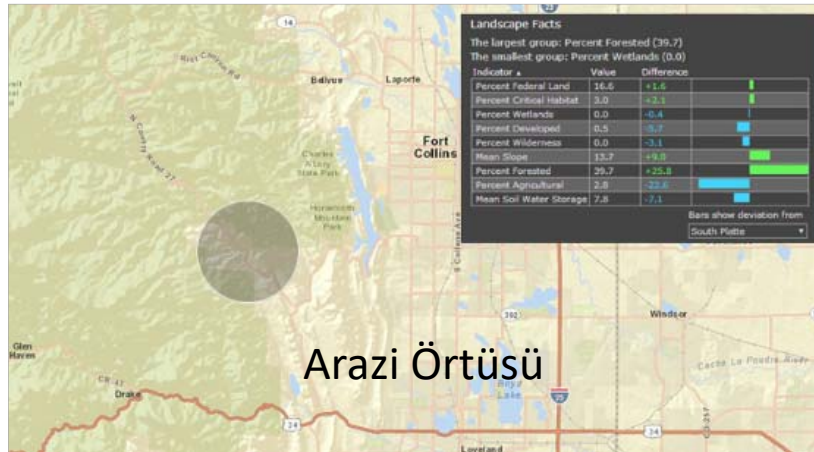
<http://www.climate.gov>

PRISM Ortalama Yıllık Yağış (Oregon State U.)

Precipitation: Annual Climatology (1981-2010)



ESRI ArcGIS Online: Living Atlas



<http://doc.arcgis.com/en/living-atlas/>

ArcGIS Online Maps and Services

<http://www.arcgis.com/features/maps/index.html>

ArcGIS | Maps x Jeffery

www.arcgis.com/features/maps/index.html

ArcGIS Features Plans Gallery Map Scene Help Search Sign In esri

Ready-to-Use Maps

ArcGIS includes a Living Atlas of the World with beautiful and authoritative maps on thousands of topics. Explore maps and data from Esri and thousands of other organizations and combine them with your own data to create new maps and applications.

Try ArcGIS

Imagery Basemaps Demographics and Lifestyle Boundaries and Places Landscape Oceans

Imagery

ArcGIS includes detailed imagery of the world, which reveals both the present state of the planet and change over time. These image layers enable you to view recent, high-resolution imagery for most of the world; lower-resolution imagery of the planet updated

EnviroAtlas

<http://enviroatlas.epa.gov/enviroatlas/>

You are here: [EPA Home](#) » [Research](#) » [Ecosystem Research](#) » [EnviroAtlas Home](#)



EnviroAtlas

[Ecosystem Services and Biodiversity](#)

[People and Built Spaces](#)

[Supplemental Maps](#)

[Analysis Tools](#)

[Mapping Tools](#)

[Clear Layers](#)

[Data Layer Matrix](#)

Enter location

[Help](#)

[Full Screen](#)

[Basemap](#)

[Navigate](#)

Supplemental Maps

Boundaries

Biophysical Data - Vector

Biophysical Data - Raster

EPA WATERS Data

Impaired Waters

Impaired Waters Point

Impaired Waters Line

Impaired Waters Area

Assessed Waters

Assessed Waters Point

Assessed Waters Line

Assessed Waters Area

Map Legend

Impaired Waters

Impaired Waters Point

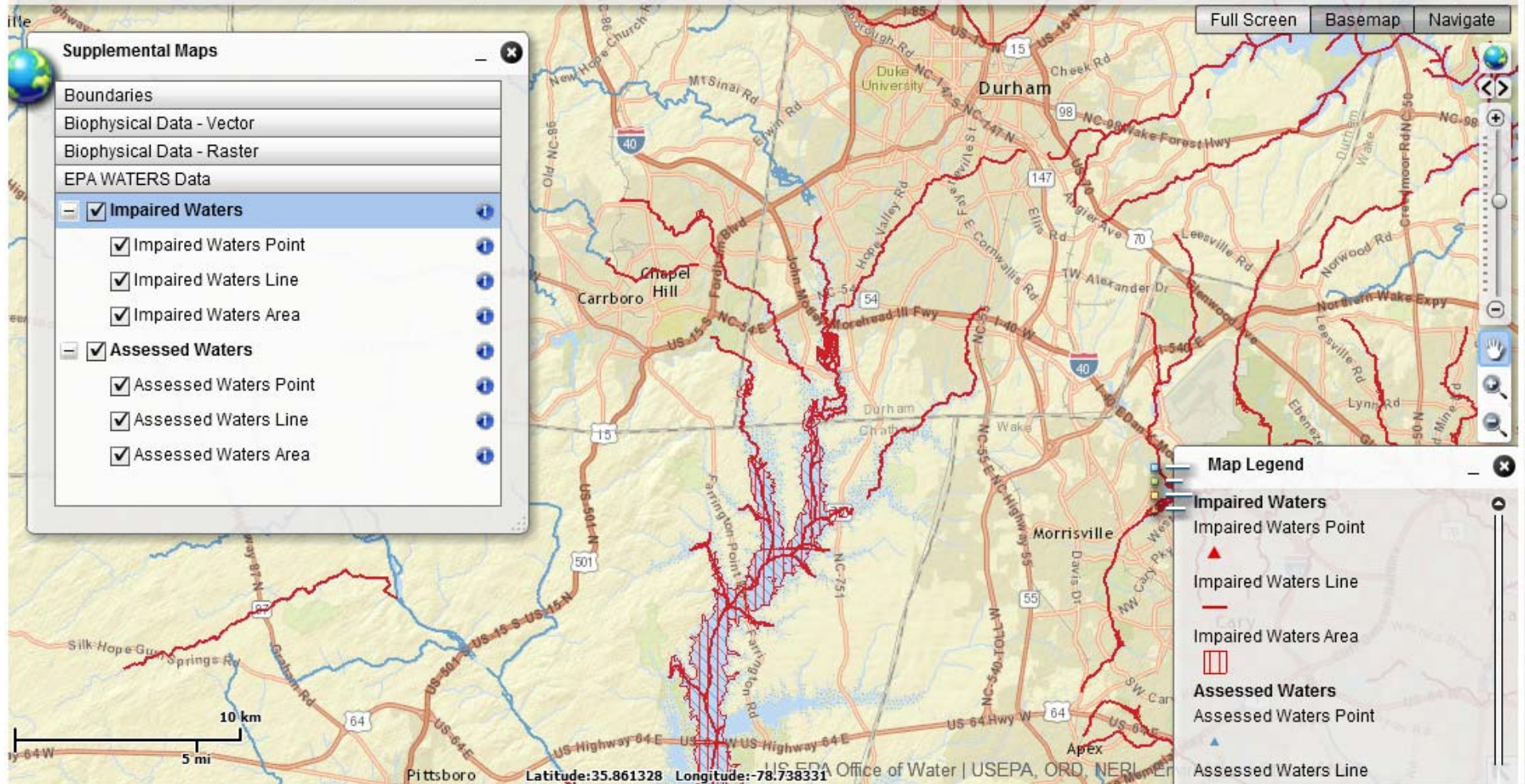
Impaired Waters Line

Impaired Waters Area

Assessed Waters

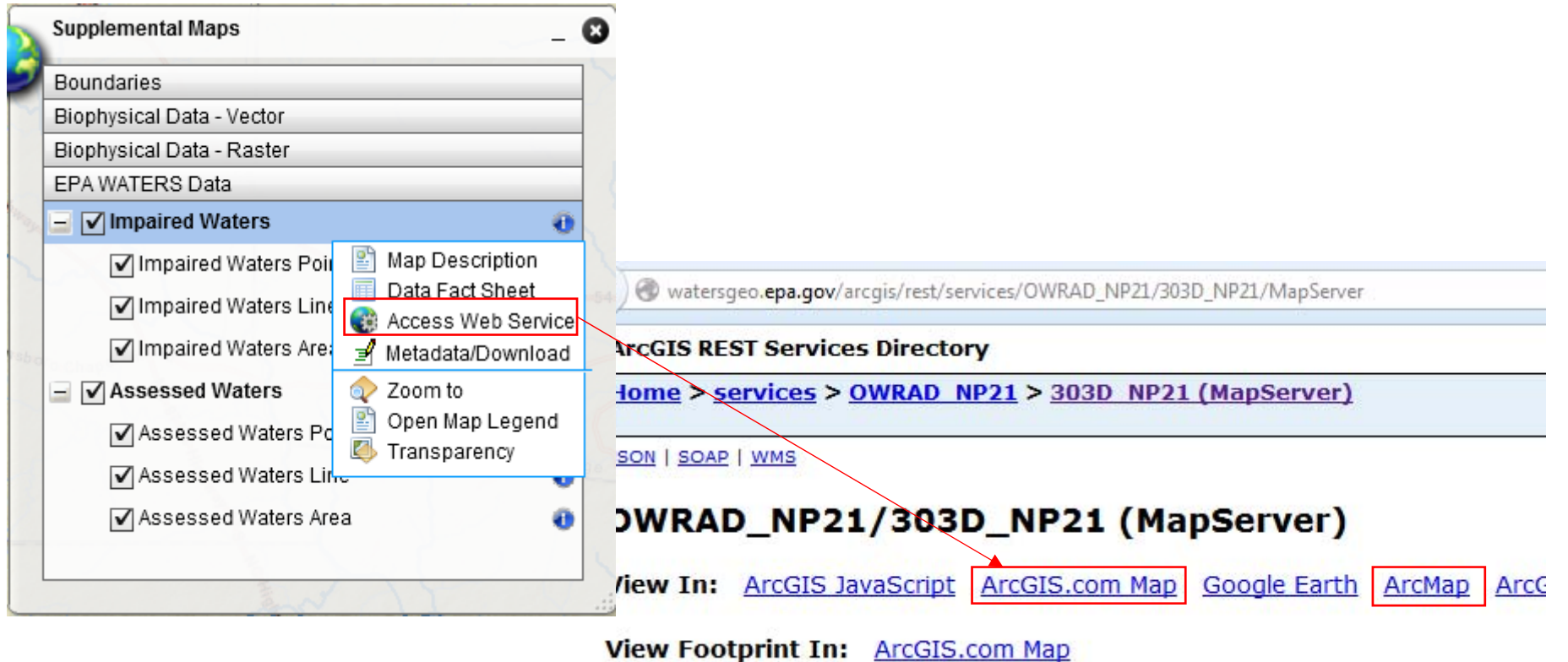
Assessed Waters Point

Assessed Waters Line



EnviroAtlas

- Tüm veriler indirilebilmektedir.
- Bazı veriler web hizmeti olarak da indirilebilir



The screenshot displays the 'Supplemental Maps' panel on the left, which is expanded to show 'Impaired Waters' and 'Assessed Waters' categories. A context menu is open over the 'Impaired Waters' section, with the 'Access Web Service' option highlighted. A red arrow points from this option to the 'ArcGIS REST Services Directory' page on the right. The directory page shows the URL 'watersgeo.epa.gov/arcgis/rest/services/OWRAD_NP21/303D_NP21/MapServer' and a breadcrumb trail: 'Home > services > OWRAD_NP21 > 303D_NP21 (MapServer)'. Below the breadcrumb, there are links for 'SON | SOAP | WMS' and a section titled 'OWRAD_NP21/303D_NP21 (MapServer)'. At the bottom, there are links for 'View In: ArcGIS JavaScript', 'ArcGIS.com Map', 'Google Earth', and 'ArcMap'. A 'View Footprint In: ArcGIS.com Map' link is also present at the bottom.

Utah AGRC

<http://gis.utah.gov>

The screenshot shows the Utah AGRC website homepage. The browser address bar displays "https://gis.utah.gov". The page features a navigation menu with "News", "Data", "Developer", and "About". A search bar is located in the top right corner. The main content area is divided into six sections, each with a title, an icon, and a brief description:

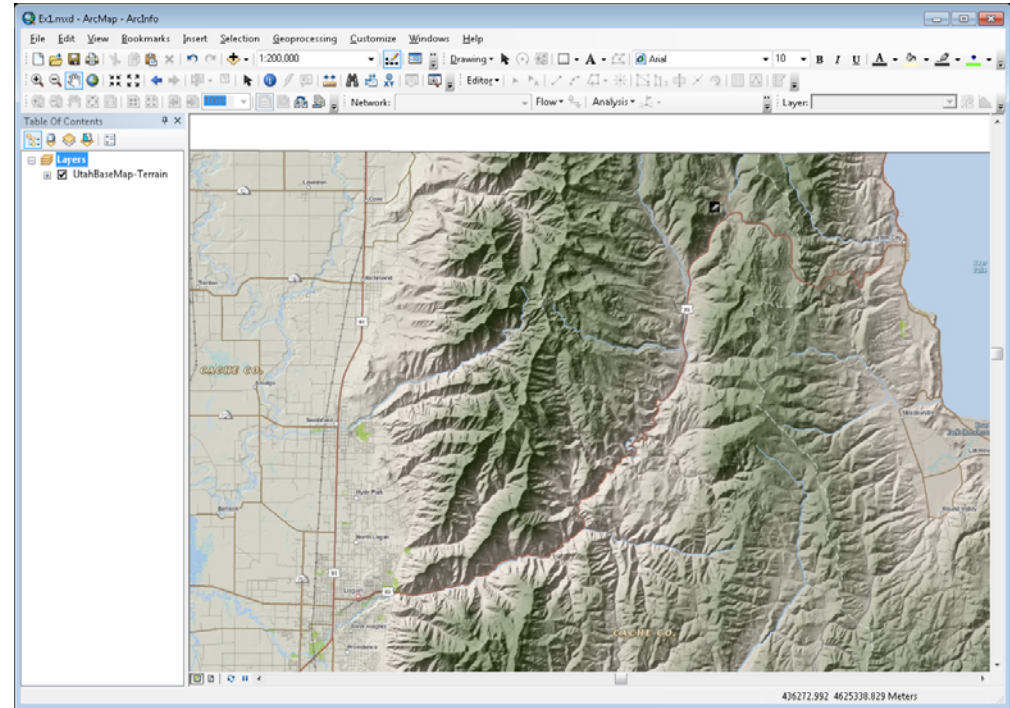
- GIS Map Data**: Established in State law in 1991, Utah's State Geographic Information Database (SGID) provides one-stop download and web service access to hundreds of GIS map data layers developed, aggregated, or acquired by state government.
- Geo APIs**: Coding an app or process that just needs simple "Where is?" or "What's At?" answers? Geocoding and point-in-polygon map queries are available via api, from api.mapserv.utah.gov.
- Aerial Imagery & Base Maps**: SGID aerial photography and base map services provide critical map context for GIS and CAD users, as well as web and mobile applications. Many vintages and themes are available, created from Utah GIS data resources.
- TURN GPS Network**: TURN GPS is the foundation for live, up-to-sub-centimeter precision GPS field surveying, mapping, and other measurement. TURN GPS employs a network of over 90 permanent GPS base stations across Utah and surrounding areas.
- Application Development**: AGRC's development team designs, builds and hosts web map applications, custom designed to best meet specific agency/program requirements.
- News, Events, & Coordination**: Utah is widely recognized as a leader in the GIS field. Coordination, partnering and information sharing -- in the form of news, events, tips, and data -- fuel our collective success.

Utah AGRC

- Sınırlar
- Utah Temel Haritaları
- LIDAR
- Yükselti ve Arazi
- Yüksek Çözünürlüklü Hava Fotoğrafları
- Ulaşım - Yollar ve Otobanlar
- . . .

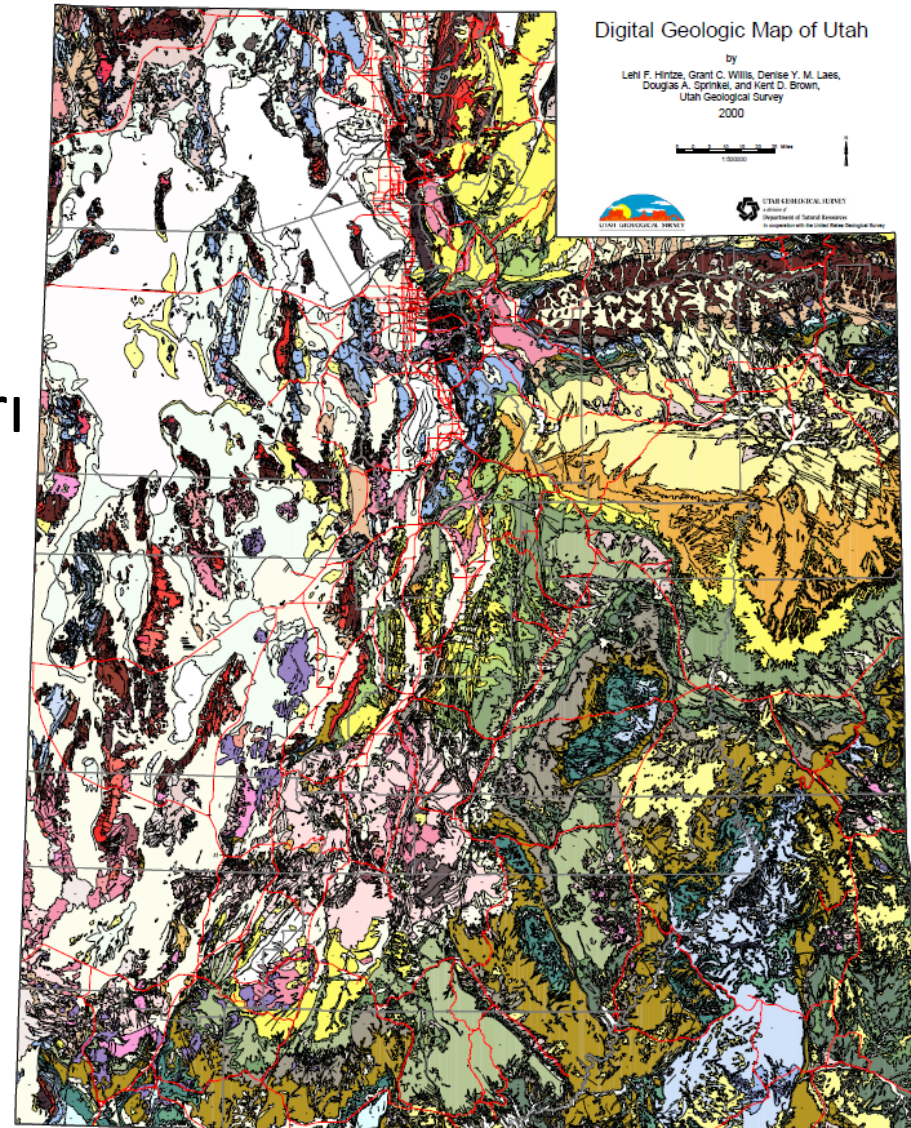
ArcGIS'te temel haritaları kullanmak için, şu adresteki talimatlara bakın:

<http://gis.utah.gov/data/sgid-base-map-services-arcmap/>



Utah Geological Survey

- Utah için Jeoloji Verileri
- Jeolojik Tehlike Haritaları

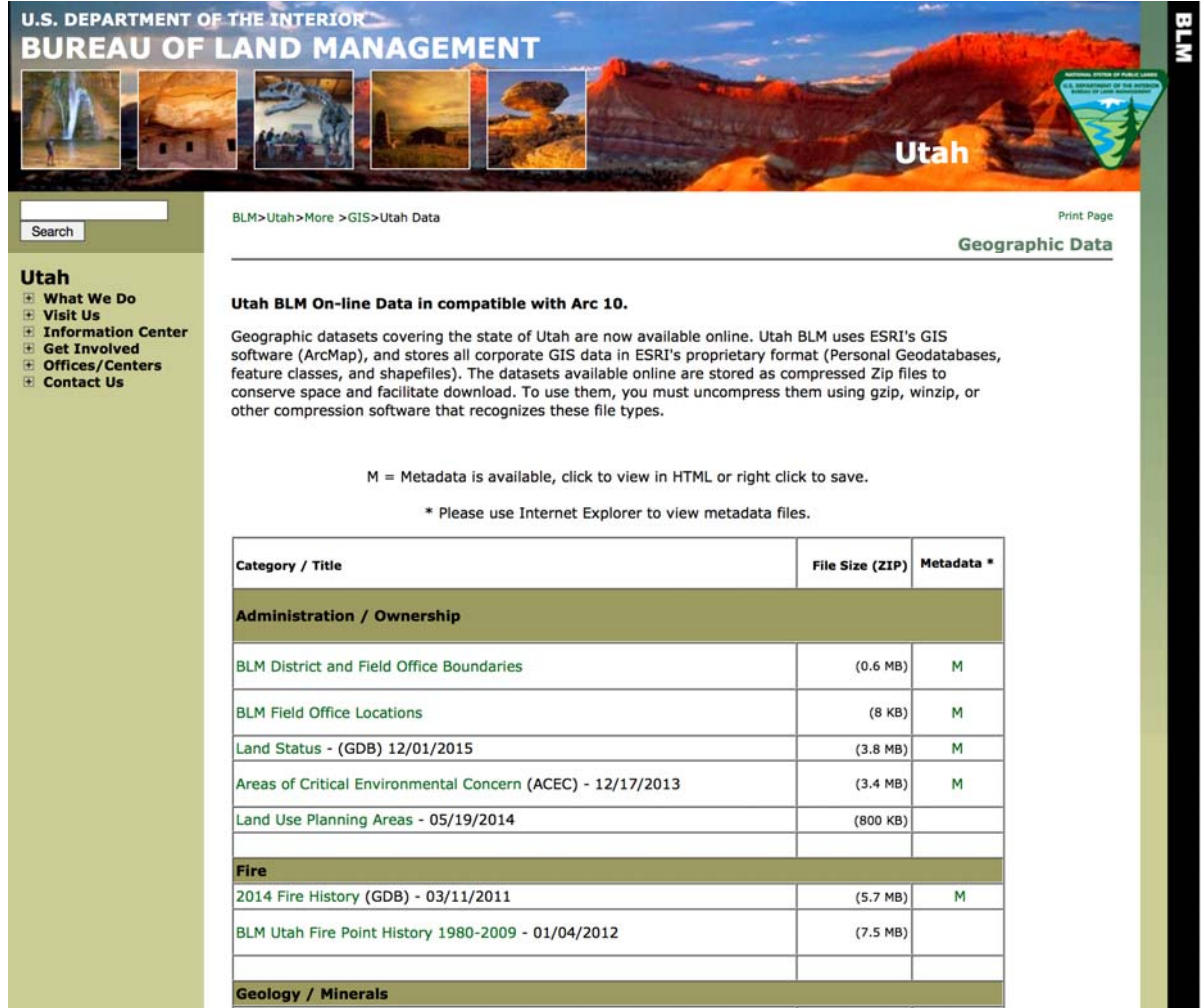


UTAH
GEOLOGICAL
SURVEY

<http://geology.utah.gov/map-pub/maps/gis/>

Arazi Yönetim Bürosu Bureau of Land Management (BLM)

- Yangın geçmişi
- Otlatma alanı
- Arazi ve maden kayıtları
- Petrol ve gaz kiralamaları



U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Utah

Search

BLM>Utah>More >GIS>Utah Data

Print Page

Geographic Data

Utah

- What We Do
- Visit Us
- Information Center
- Get Involved
- Offices/Centers
- Contact Us

Utah BLM On-line Data in compatible with Arc 10.

Geographic datasets covering the state of Utah are now available online. Utah BLM uses ESRI's GIS software (ArcMap), and stores all corporate GIS data in ESRI's proprietary format (Personal Geodatabases, feature classes, and shapefiles). The datasets available online are stored as compressed Zip files to conserve space and facilitate download. To use them, you must uncompress them using gzip, winzip, or other compression software that recognizes these file types.


M = Metadata is available, click to view in HTML or right click to save.

* Please use Internet Explorer to view metadata files.

Category / Title	File Size (ZIP)	Metadata *
Administration / Ownership		
BLM District and Field Office Boundaries	(0.6 MB)	M
BLM Field Office Locations	(8 KB)	M
Land Status - (GDB) 12/01/2015	(3.8 MB)	M
Areas of Critical Environmental Concern (ACEC) - 12/17/2013	(3.4 MB)	M
Land Use Planning Areas - 05/19/2014	(800 KB)	
Fire		
2014 Fire History (GDB) - 03/11/2011	(5.7 MB)	M
BLM Utah Fire Point History 1980-2009 - 01/04/2012	(7.5 MB)	
Geology / Minerals		

Utah County

<http://www.utahcountyonline.org/onlineservices/maps/DataLayers.asp>



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Utah County GIS Data Layers Available For Download

All layers listed below are updated at the end of each business day.
 The native spatial reference for all Utah County GIS Datasets is Utah Central Zone, NAD83 Stateplane, US Survey feet.

While there are no constraints or warranties with regard to the use of this dataset, users are encouraged to attribute content to the GIS Division of Utah County Information Systems Department.

Utah County GIS Data Layers and File Download

Layer Name	Shapefile (zip files)	Table	File Geodatabase	Metadata Summary (.pdf format)
Address Points - The points represent the location of site addresses as assigned or observed in the field by GIS Division Staff. Where possible, the point is located within the building that receives mail or other services. This feature class is designed to be related to the alternate address table in order to account for situations where more than one address is assigned to a single location. The alternate address table must be downloaded separately below.	10.9 MB		18.7 MB	View
Alternate Address Table -				

MORE INFORMATION

Links
 » [County Maps](#)

Give Us Your Feedback
 We would love your feedback and suggestions regarding this GIS download site.

Ve daha fazlası...

- US Fish and Wildlife Service:
<http://www.fws.gov/gis/data/national/>
- National Park Service:
http://www.nps.gov/gis/data_info/
- USDA Forest Service:
<http://data.fs.usda.gov/geodata/edw/datasets.php>

Özet

- Çok sayıda veri kaynağı mevcuttur
- Neyin mevcut olduğunu bilmek, CBS analizlerini ve projeleri için önemlidir
- CBS bilgi oluşturmak, hikayeler anlatmak, kararlar vermekle ilgilidir - hepsi birden bir çok kaynaktan gelen bilgileri entegre etmeyi içerir.
- Verilerin düzenlenme şekli, yapılabilecek analizleri geliştirebilir veya engelleyebilir.
- Veri yayılımını giderek hizmet tabanlı hale geliyor

Kaynaklar

Maidment, D.R., and D.G. Tarboton (2015). Data Sources for GIS in Water Resources, GIS in Water Resources, Fall 2015,

<http://www.neng.usu.edu/cee/faculty/dtarb/giswr/2015/>