

## Natural Resource Data

4/30/2013

Federal Departments and independent agencies, along with universities, produce geospatial datasets and maps of natural resources of the United States. Each agency or university makes the data available on their own website. The Natural Resource work group of the Interagency Council on Agricultural and Rural Statistics (ICARS) has identified the following list of natural resource datasets and listed them together. The listing provides the name of the Department, agency, or university which produced the dataset, the name of the dataset, a link to the data and a description of the data.

By listing these wide ranging sources of natural resource datasets in one location, the data user may locate needed data and be made aware of additional natural resource data.

Dept/Agency	Data Name	URL	Description
Dept of Energy	Wind Potential	<a href="http://www.windpoweringamerica.gov/wind_maps.asp">http://www.windpoweringamerica.gov/wind_maps.asp</a>	The U.S. Department of Energy provides an 80-meter high-resolution wind resource map for the United States with links to state wind maps. States, utilities, and wind energy developers use utility-scale wind resource maps to locate and quantify the wind resource, identifying potentially windy sites within a fairly large region and determining a potential site's economic and technical viability.
Dept of Energy	Natural gas and oil	<a href="ftp://www.eia.doe.gov/pub/oil_gas/natural_gas/analysis_publications/maps/maps.htm#pdf">ftp://www.eia.doe.gov/pub/oil_gas/natural_gas/analysis_publications/maps/maps.htm#pdf</a>	The Energy Information Agency of the Dept of Energy provides maps of gas and oil in various formats. They also have maps of drilling history and natural gas proved reserves and production. Detailed field maps portray the locations, boundaries, names and quantity of the resource.
EPA	Impaired Waters (303d), Beach waters, and Water quality Standards	<a href="http://www.epa.gov/waters/data/downloads.html#303(d)ListedImpairedWaters">http://www.epa.gov/waters/data/downloads.html#303(d) Listed Impaired Waters</a>	Water quality information to address public concerns such as: How healthy is my watershed? Can I drink the water? Can I eat the fish? Is it safe to swim in the water?
EPA	EPA Data Finder (water, air, health, pollutants)	<a href="http://www.epa.gov/datafinder/">http://www.epa.gov/datafinder/</a>	This site contains data on Air Pollution, Air Quality, Climate Change, Drinking Water, Surface Waters, Watersheds, and much more
FEMA	National Flood Hazard Layer (NFHL)	<a href="https://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&amp;catalogId=10001&amp;langId=-1">https://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&amp;catalogId=10001&amp;langId=-1</a>	Compilation of effective Digital Flood Insurance Rate Map (DFIRM) databases (a collection of the digital data that are used in GIS systems for creating new Flood Insurance Rate Maps) and Letters of Map Change (Letters of Map Amendment and Letters of Map Revision only) that create a seamless GIS data layer for a State or Territory. It is updated on a monthly basis.
FEMA	Flood Map Viewer	<a href="https://hazards.fema.gov/wps/portal/mapviewer">https://hazards.fema.gov/wps/portal/mapviewer</a>	View areas at risk of floods in the United States and territories. Search by address, state or zip code or use advanced search options such as coordinates and map scales. View data from 2002 and earlier regarding earthquakes, hurricanes and other hazards.
Interior/BLM	Bureau of Land Management data	<a href="http://www.geocommunicator.gov/blmMap/Map.jsp?MAP=SiteMapper">http://www.geocommunicator.gov/blmMap/Map.jsp?MAP=SiteMapper</a>	Oil and Gas lease sale parcels, BLM National Mine Land Inventory for BLM Coal and Non-coal Abandoned Mines, BLM Lands and Administrative Areas, BLM National Monuments, Conservation Areas, and Wilderness Areas, BLM Range Allotments and Pastures, BLM Wild Horse and Burro Herd Areas and Herd Management Areas, BLM Solar Energy Study Areas, Public Land Survey System - PLSS (township, range, section, lots, surveys) - Downloadable
National Drought Mitigation Center	Drought Monitor	<a href="http://droughtmonitor.unl.edu/">http://droughtmonitor.unl.edu/</a>	Drought Monitor, a synthesis of multiple indices and impacts, that represents a consensus of federal and academic scientists
NRCS/West Virginia University	National Commodity Crop Productivity Index (NCCPI)	<a href="http://www.ngdc.wvu.edu/soil_survey_atlas/subpage_3/agroecology_and_soil_productivity/national_commodity_crops_productivity_index_nccpi">http://www.ngdc.wvu.edu/soil_survey_atlas/subpage_3/agroecology_and_soil_productivity/national_commodity_crops_productivity_index_nccpi</a>	The National Commodity Crop Productivity Index (NCCPI) model is a national soil model.
Oregon State University	Prism Climate Data (Temperature and Precipitation)	<a href="http://www.prism.oregonstate.edu/">http://www.prism.oregonstate.edu/</a>	PRISM is a unique knowledge-based system that uses point measurements of precipitation, temperature, and other climatic factors to produce continuous, digital grid estimates of monthly, yearly, and event-based climatic parameters
USDA/ERS	natural amenities index	<a href="http://www.ers.usda.gov/Publications/AER781/">http://www.ers.usda.gov/Publications/AER781/</a>	Climate, topography, and water area are highly related to rural county population change over the past 25 years. A natural amenities index, derived and discussed here, captures much of this relationship.
USDA/FS	USFS Forest Inventory Analysis	<a href="http://www.fia.fs.fed.us/">http://www.fia.fs.fed.us/</a>	FIA reports on status and trends in forest area and location; in the species, size, and health of trees; in total tree growth, mortality, and removals by harvest; in wood production and utilization rates by various products; and in forest land ownership.
USDA/NRCS	Soil Survey Geographic (SSURGO) Database, (also STATSGO and STASGO2)	<a href="http://websoilsurvey.nrcs.usda.gov/app/">http://websoilsurvey.nrcs.usda.gov/app/</a>	Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey and provides access to the largest natural resource information system in the world.

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USDA/NASS	CropScape	<a href="http://nassgeodata.gmu.edu/CropScape/">http://nassgeodata.gmu.edu/CropScape/</a>	CropScape is a geospatial data service which offers advanced tools such as interactive visualization, web-based data dissemination and geospatial queries and automated data delivery to systems such as Google Earth.
USDA/NRCS	NRI (soil indicators)	<a href="http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/nri">http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/nri</a>	The National Resources Inventory (NRI) is an inventory of land cover and use, soil erosion, prime farmland, wetlands, and other natural resource characteristics on non-Federal rural land in the United States. The NRI provides a record of the Nation's conservation accomplishments and future program needs.
USGS	National Hydrography Dataset (NHD)	<a href="http://nhd.usgs.gov/">http://nhd.usgs.gov/</a>	The National Hydrography Dataset (NHD) is the surface water component of <i>The National Map</i> . The NHD is a digital vector dataset used by geographic information systems (GIS). It contains features such as lakes, ponds, streams, rivers, canals, dams and streamgages.
USGS	National Elevation Database	<a href="http://ned.usgs.gov/">http://ned.usgs.gov/</a>	The National Elevation Dataset (NED) is the primary elevation data product of the USGS. The NED is a seamless dataset with the best available raster elevation data of the conterminous United States, Alaska, Hawaii, and territorial islands.
USGS	Surface and Groundwater Database	<a href="http://waterdata.usgs.gov/nwis">http://waterdata.usgs.gov/nwis</a>	USGS data on the occurrence, quantity, quality, distribution, and movement of surface and underground water.
USGS	National Geologic Map Database	<a href="http://ngmdb.usgs.gov/ngmdb/ngmdb_home.html">http://ngmdb.usgs.gov/ngmdb/ngmdb_home.html</a>	Your Geoscience resource for maps and related data about: geology, hazards, earth resources, geophysics, geochemistry, geochronology, paleontology, and marine geology.
USGS	Streamflow, groundwater and aquifer data	<a href="http://water.usgs.gov/maps.html">http://water.usgs.gov/maps.html</a>	Information needed to understand the Nation's water resources, and provides access to water data, publications, and maps, as well as to recent water projects and events.
USGS	Estimated Water Use Data	<a href="http://water.usgs.gov/watuse/">http://water.usgs.gov/watuse/</a>	Report details the quantity of water used such as for irrigation, public supply, Public Supply, Domestic, livestock, aquaculture, and industrial.
USGS	Mine and Mineral Processing Plant Locations	<a href="http://minerals.usgs.gov/minerals/pubs/mapdata/#map">http://minerals.usgs.gov/minerals/pubs/mapdata/#map</a>	The locations of 1,879 coal mines and facilities, 8 uranium mines, and 1,965 mines and processing plants for 74 types of nonfuel minerals and materials are shown with symbols on both a large multicolored lithologic map and eight smaller maps. With the exception of certain commodities, such as gold, silver, gemstones, and coal, all mines and plants are shown for which production was reported or estimated in 1997.
USGS	National Water Quality Assessment	<a href="http://water.usgs.gov/nawqa/">http://water.usgs.gov/nawqa/</a>	The National Water-Quality Assessment Program (NAWQA) provides an understanding of water-quality conditions; whether conditions are getting better or worse over time; and how natural features and human activities affect those conditions. Regional and national assessments are possible because of a consistent study design and uniform methods of data collection and analysis.