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Mineral Resources On-Line Spatial Data

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United States

country in North America

Search for
Place Name

Geographic areas

Wider areas [North America](#) < [Land](#)

Geographic subdivisions and overlapping areas

[States](#)

[Quadrangles](#)

[Hydrologic units](#)
(2-digit regions)



Geographic subdivisions:

Alabama	Illinois	Montana	Rhode Island
Alaska	Indiana	Nebraska	South Carolina
Arizona	Iowa	Nevada	South Dakota
Arkansas	Kansas	New Hampshire	Tennessee
California	Kentucky	New Jersey	Texas
Colorado	Louisiana	New Mexico	Utah
Connecticut	Maine	New York	Vermont
Delaware	Maryland	North Carolina	Virginia
District of Columbia	Massachusetts	North Dakota	Washington
Florida	Michigan	Ohio	West Virginia
Georgia	Minnesota	Oklahoma	Wisconsin
Hawaii	Mississippi	Oregon	Wyoming
Idaho	Missouri	Pennsylvania	

National and global databases

Records	Database title
265498	Mineral Resources Data System
6781	Alaska Resource Data File
6778	Active mines and mineral plants in the US
3	World copper smelters
13720	K/Ar ages of materials in the US
2626	Radiometric ages of rocks from Alaska
71529	National Geochemical Survey database
397008	Geochemistry of stream sediments in the US from the NURE-HSSR database
335241	Geochemistry of water samples in the US from the NURE-HSSR database
43340	Geochemistry of igneous rocks in the US
123613	Geochemistry of sediments in the US from the PLUTO database
58839	Geochemistry of soils in the US from the PLUTO database
191178	Geochemistry of unconsolidated sediments in the US from the RASS database
30404	Geochemistry of soils in the US from the RASS database
1319	Chemical analyses of soils and other surficial materials of the conterminous US
1547877	Total for all databases

Additional studies and data[Anchorage urban region aeromagnetics \(AURA\) project -- Preliminary geophysical results](#) [\[New Window\]](#)

Basic features of a commercial aeromagnetic dataset, a regional and historical perspective on aeromagnetic feature interpretation for this area, and preliminary interpretations of mathematical modeling experiments using the data.

[Spatial database of mining-related features in 2001 at selected phosphate mines, Bannock, Bear Lake, Bingham, and Caribou Counties, Idaho](#) [\[New Window\]](#)

Features include mine pit; backfilled mine pit; waste rock dump; adit and waste rock dump; ore stockpile; topsoil stockpile; tailings or tailings pond; sediment catchment; facilities; road; railroad; water reservoir; disturbed land, undifferentiated; and

[Digital database of mining-related features at selected historic and active phosphate mines, Bannock, Bear Lake, Bingham, and Caribou Counties, Idaho](#) [\[New Window\]](#)

Spatial database that delineates mining-related features in areas of historic and active phosphate mining.

[Chemical Composition of Samples Collected from Waste Rock Dumps and Other Mining-Related Features at Selected Phosphate Mines in Southeastern Idaho, Western Wyoming, and Northern Utah](#) [\[New Window\]](#)

Chemical analyses for 31 samples collected from various phosphate mine sites in southeastern Idaho (25), northern Utah (2), and western Wyoming (4)

[Geology and mineral deposits of the Keweenaw Peninsula and vicinity, Michigan](#) [\[New Window\]](#)

Geospatial data and tabular data on the geology, structure, mines and mineral deposits, including lithology, age, tectonic setting, and stratigraphy.

[Isostatic gravity map of the Battle Mountain 30'x60' Quadrangle, north central Nevada](#) [\[New Window\]](#)

Map for which the underlying gravity station data are available for download

[Preliminary integrated geologic map databases for the United States: Digital data for the generalized bedrock geologic map, Yukon Flats region, east-central Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Aeromagnetic and gravity maps of the central Marysville volcanic field, southwestern Utah](#) [\[New Window\]](#)

Maps (no data) depicting aeromagnetic and Bouguer gravity anomaly in the study area. Report discusses rock sample density and magnetic properties, but data are buried in PDF tables.

[Geophysical framework investigations influencing ground-water resources in east-central Nevada and west-central Utah, with a section on Geologic and geophysical basin-by-basin descriptions](#) [\[New Window\]](#)

Maps of geophysical and geological characteristics, with report

[Geophysical data from the Spring and Snake Valleys area, Nevada and Utah](#) [\[New Window\]](#)

Existing and new gravity station data and magnetometer measurements used to infer geologic structure of this area

[Available sand and gravel resources in southern New Hampshire](#) [\[New Window\]](#)

Estimates thickness of sand and gravel resources available in this broad area using geology, topography, land cover, and ground-water level.

[Estimated gravel resources of the Soucook River valley, Loudon, New Hampshire, 7.5' Quadrangle using improved techniques for assessing gravel resources in glaciofluvial deposits](#) [\[New Window\]](#)

Images and text from a poster session (Geological Society of America Northeastern Section) showing methodology and results for an example

[Puget Sound \(Washington\) aeromagnetic maps and data](#) [\[New Window\]](#)

Gridded data and maps for individual quadrangles and for the entire compilation

[Geochemical analysis of soils and sediments, Coeur d'Alene drainage basin, Idaho: Sampling, analytical methods, and results](#) [\[New Window\]](#)

Chemical composition of sediments and soils are of interest because of the potential for human and wildlife health impacts from high metal contents due to over 100 years of mining activity.

[Multielement geochemical dataset of surficial materials for the northern Great Basin](#) [\[New Window\]](#)

Geochemical data generated during mineral and environmental assessments for the Bureau of Land Management in northern Nevada, northeastern California, southeastern Oregon, and southwestern Idaho.

[Digital bedrock geologic map of the Ashland and northern part of the Ironwood 30' x 60' quadrangles, Wisconsin and Michigan](#) [\[New Window\]](#)

Geologic units and structural features, GIS data files

[Digital data for the geology of the Prince William Sound and Kenai Peninsula region, Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Chemistry of stream sediments and surface waters in New England](#) [\[New Window\]](#)

Regional data for pH, alkalinity, and specific conductance for stream waters and a multi-element geochemical dataset for stream sediments collected in the New England.

[Net acid production, acid neutralizing capacity, and associated geophysical, mineralogical, and geochemical characteristics of Animas River watershed rocks near Silverton, Colorado](#) [\[New Window\]](#)

Geochemical analysis of rock samples focusing on characteristics relevant to mine cleanup discussions

[Candidate-penetrative-fracture mapping of the Grand Canyon area, Arizona, from spatial correlation of deep geophysical features and surficial lineaments](#) [\[New Window\]](#)

Includes a wide variety of geological and geophysical data: geologic, aeromagnetic, and gravity maps with SLAR, DEM, TM, and NDVI imagery.

[Mineral resource potential and geology of the Routt National Forest and the Middle Park Ranger district of the Arapaho National Forest, Colorado](#) [\[New Window\]](#)

Report describing interpretations of geological, geophysical, and mineral resource data, with some maps as figures in the report.

[Hydrogeochemical investigations of historic mining districts, central western slope of Colorado, including influence on surface-water quality](#) [\[New Window\]](#)

Geochemical analysis of mine dumps, mill tailings, mine drainage, and surface waters indicate contamination from these historic mines is generally less than that asserted or suggested by some geochemical models

[Alaska resource data file: Arctic quadrangle](#) [\[New Window\]](#)

Descriptions of mines, prospects, and mineral occurrences in the Arctic quadrangle, Alaska

[Mining claim activity on Federal lands for the period 1976 through 2005](#) [\[New Window\]](#)

Number and type of mine claims located on Federal lands and registered with the Bureau of Land Management, by year from 1976 through 2005.

[Preliminary integrated geologic map databases for the United States: California, Nevada, Arizona, and Washington](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Arizona aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Arizona, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Geophysical terranes of the Great Basin and parts of surrounding provinces](#) [\[New Window\]](#)

A set of geophysical maps with anomalies that are labeled and keyed to tables containing information on each anomaly and its source.

[Reported historic asbestos mines, historic asbestos prospects, and natural asbestos occurrences in the southwestern United States \(Arizona, Nevada, and Utah\)](#) [\[New Window\]](#)

Map and data tables show location, mineralogy, geology, and relevant literature for each mine, prospect, or occurrence

[Preliminary integrated geologic map databases for the United States: Montana, Wyoming, Colorado, New Mexico, Kansas, Oklahoma, Texas, Missouri, Arkansas, and Louisiana](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Merged digital aeromagnetic data for the middle Rio Grande and southern Española Basins, New Mexico](#) [\[New Window\]](#)

Gridded data and images

[Description of digital aeromagnetic data collected north and west of Albuquerque, New Mexico](#) [\[New Window\]](#)

Grids and images depicting the data

[Helicopter electromagnetic and magnetic geophysical survey data, Oakland, Ashland, and Firth study areas, eastern Nebraska, March 2007](#) [\[New Window\]](#)

Electrical resistivity depicted in georeferenced grids and maps, representing different approximate depths of investigation for each area. The range of subsurface investigation is comparable to the depth of shallow aquifers.

[Resource potential and geology of the Grand Mesa, Uncompahgre, and Gunnison \(GMUG\) National Forests and vicinity, Colorado](#) [\[New Window\]](#)

Multi-chapter report combining geologic, geochemical, geophysical, and mining activity data. Downloadable data for coal resource information only.

[Preliminary geologic map of the Chugach National Forest special study area, Alaska](#) [\[New Window\]](#)

Map at 1:63,360 scale shows the bedrock geology of a special study area within the Chugach National Forest, Alaska. Includes ARC/INFO export files and graphics.

[High resolution aeromagnetic survey to image shallow faults, Dixie Valley geothermal field, Nevada](#) [\[New Window\]](#)

Explains analysis of helicopter aeromagnetic survey data for delineating shallow geological structures

[A helicopter-borne magnetic survey over Dixie Valley geothermal field, Nevada](#) [\[New Window\]](#)

Gridded data from helicopter study of shallow geologic structures

[Geologic and geophysical maps of the Death Valley ground-water model area, Nevada and California](#) [\[New Window\]](#)

Maps and geospatial data for (a) geology; (b) tectonics; (c) isostatic gravity anomaly; (d) aeromagnetic anomaly; (e) depth to pre-Cenozoic basement.

[Geophysical framework of the southwestern Nevada volcanic field and hydrogeologic implications](#) [\[New Window\]](#)

Report describing detailed interpretation of geophysical survey data to draw inferences about subsurface geologic features and likely consequences for the hydrogeologic system.

[Seven aeromagnetic surveys in California and Nevada](#) [\[New Window\]](#)

Grid and flight-line data files provided by the geophysical survey contractors.

[Geochemical analyses of geologic materials from areas of critical environmental concern, Clark and Nye counties, Nevada](#) [\[New Window\]](#)

Results of analysis in tabular form

[Six aeromagnetic surveys in Nevada and California](#) [\[New Window\]](#)

Gridded data for aeromagnetic surveys with contractors' reports describing the data collection

[Digital geologic map of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada, and Inyo County, California, revision 4](#) [\[New Window\]](#)

GIS data for geologic units and structural features, with aeromagnetic and gravity maps in PDF

[Geophysical constraints on the Virgin River depression, Nevada, Utah, and Arizona](#) [\[New Window\]](#)

Report explaining how geophysical data are used to infer the geologic structure of basins, with implications for ground-water flow

[Spatial digital database for the tectonic map of southeast Arizona](#) [\[New Window\]](#)

Geologic map GIS which represents the original content of the published geologic map and which can be queried in many ways to produce a variety of geologic maps and derivative products.

[Gravity investigations of the Chickasaw National Recreation Area, south-central Oklahoma](#) [\[New Window\]](#)

Gravity anomaly with physical property measurements in support of structural geologic investigation

[Aerial gamma-ray survey for parts of Cameron, Hidalgo, and Willacy Counties, Texas](#) [\[New Window\]](#)

The USGS had an aerial survey flown over parts of Cameron, Hidalgo, and Willacy Counties in Texas. The aerial survey included measurements of the earth's magnetic field and of the radioactivity of the surface rocks and soils.

[Aerial magnetic, electromagnetic, and gamma-ray survey, Berrien County, Michigan](#) [\[New Window\]](#)

CD-ROM containing maps, grids, and flight-line databases of a detailed aerial survey and maps and grids of satellite data

[Preliminary grid data and maps for an aeromagnetic survey of the Taylor Mountains quadrangle and a portion of the Bethel quadrangle, Alaska](#) [\[New Window\]](#)

Preliminary data (grids and images) and maps for a new aeromagnetic survey

[Helicopter electromagnetic and magnetic survey data and maps, northern Bexar County, Texas](#) [\[New Window\]](#)

Grids, images, and flight-line paths for magnetic and resistivity surveys

[Aerial gamma-ray, Landsat TM, and digital elevation data, Big Bend area, Texas](#) [\[New Window\]](#)

This report presents the results of analyses and interpretation of aerial gamma-ray, Landsat TM, geologic, and digital elevation data of the Big Bend area in Texas.

[Preliminary integrated geologic map databases for the United States: Digital data for the reconnaissance geologic map of the lower Yukon River region, Alaska](#) [\[New Window\]](#)

Reconnaissance geologic map of the lower Yukon River region in southwest Alaska includes Quaternary surficial deposits on the delta plain and bedrock exposures in mountains within the delta plain and the uplands that border the delta plain.

[Stratabound copper-silver deposits of the Mesoproterozoic Revett Formation, Montana and Idaho with a section on databases and spatial-data files for the geology and mineral deposits of the Revett Formation](#) [\[New Window\]](#)

Includes deposits, occurrences, and prospects; drill core logs and measured sections; and spatial databases for geologic maps, untested exploration areas, and permissive tracts for undiscovered mineral deposits.

[Geophysical interpretations of the Libby Thrust Belt, Northwestern Montana](#) [\[New Window\]](#)

Report using gravity anomaly data with seismic profile and magnetotelluric data to infer deep geologic structure.

[Isotopic ages of rocks in the northern Front Range, Colorado](#) [\[New Window\]](#)

Maps, tables, and GIS data for isotopic ages determined in the northern part of the study area.

[Uranium in surface waters and sediments affected by historical mining in the Denver West 1:100,000 quadrangle, Colorado](#) [\[New Window\]](#)

Geochemical analysis of stream waters and sediments in mountainous areas immediately west of Denver, Colorado, to evaluate the concentration and distribution of uranium-bearing acid drainage originating from historical mines

[Preliminary integrated geologic map databases for the United States: Digital data for the geology of southeast Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Aeromagnetic survey of Dillingham Area in Southwest Alaska](#) [\[New Window\]](#)

Gridded survey data with summary map images.

[Geology and indoor radon in schools of the Palos Verdes Peninsula unified school district, Palos Verdes Peninsula, California](#) [\[New Window\]](#)

Information about indoor radon in schools of the Palos Verdes Peninsula Unified School District (PVPUSD) and general information about the potential for indoor radon elsewhere in California.

[Preliminary aeromagnetic anomaly map of California](#) [\[New Window\]](#)

Map showing magnetic anomaly of California composed by merging and editing data from 123 distinct surveys conducted previously.

[An interpretation of the 1996 aeromagnetic data for the Santa Cruz basin, Tumacacori Mountains, Santa Rita Mountains, and Patagonia Mountains, South-Central Arizona](#) [\[New Window\]](#)

Measurements of in-situ magnetic properties of several map units to determine whether or not mapped lithologies were responsible for aeromagnetic anomalies observed in a previous high-resolution survey (data of Sweeney, 2000).

[Profiles of gamma-ray and magnetic data from aerial surveys over the conterminous United States](#) [\[New Window\]](#)

Set of 3 CD-ROMs containing data in custom formats that can be converted or viewed only with the supplied software which was designed only for DOS, Windows 3.1, or Windows 95

[National geophysical data grids; gamma-ray, gravity, magnetic, and topographic data for the conterminous United States](#) [\[New Window\]](#)

Gridded geophysical data in a variety of formats.

[Preliminary Precambrian basement structure map of the continental United States -- An interpretation of geologic and aeromagnetic data](#) [\[New Window\]](#)

Map and report showing deep crustal structure as inferred from the recently-compiled magnetic anomaly map of North America

[Online files for acid deposition sensitivity map](#) [\[New Window\]](#)

GIS data files Acid Deposition Sensitivity of the Southern Appalachian Assessment Area. Susceptibility to acid deposition from air pollution is categorized as low, medium, or high for each area.

[Spatial databases for the geology of the Northern Rocky Mountains - Idaho, Montana, and Washington](#) [\[New Window\]](#)

The spatial databases represent the original content of 43 published geologic maps, provide normalized map unit descriptions, and provide additional information and interpretation not in the original reports.

[Alaska resource data file: Adak quadrangle](#) [\[New Window\]](#)

Descriptions of mines, prospects, and mineral occurrences in the Adak quadrangle, Alaska

[Preliminary integrated geologic map databases for the United States: Digital data for the reconnaissance geologic map of the western Aleutian Islands, Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Guide to geophysical data for the northern Rocky Mountains and adjacent areas, Idaho, Montana, Washington, Oregon, and Wyoming](#) [\[New Window\]](#)

Mathematical analysis of gravity and aeromagnetic data, with basic and derived grids and vector data and maps.

[Gamma-ray, magnetic, and topographic data for parts of the Colorado Front Range](#) [\[New Window\]](#)

Five geospatial grids from the NURE surveys, showing potassium, uranium, and thorium concentration, residual magnetic field, and digital elevation.

[Preliminary integrated geologic map databases for the United States: Alabama, Florida, Georgia, Mississippi, North Carolina, and South Carolina](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Data base for undiscovered deposits of base and precious metals](#) [\[New Window\]](#)

Probabilistic estimates of the amounts of undiscovered gold, silver, copper, lead, and zinc in conventional types of mineral deposits in the United States.

[Digital Aeromagnetic Datasets for the Conterminous United States and Hawaii - A Companion to the North American Magnetic Anomaly Map](#) [\[New Window\]](#)

Digital and analog archives comprising more than 1,000 surveys, covering approximately 8,000,000 line-km of data, flown at various flight heights and line spacings

[National geochemical survey database](#) [\[New Window\]](#)

National-scale geochemical analysis of stream sediments and soils in the US, from existing data, reanalysis of existing samples, and new sampling. Goal for sample density is one per 289 square km.

[Geochemical landscape of the conterminous US: maps of NURE-HSSR data](#) [\[New Window\]](#)

Maps derived from a subset of the National Uranium Resource Evaluation Hydrogeochemical and Stream Sediment Reconnaissance data. Samples are from streams, lakes, ponds, springs, playas, and soils. Includes Na, Ti, Fe, Cu, Zn, As, Ce, Hf, Pb, Th, and U.

[Bouguer gravity anomaly grid for the conterminous US](#) [\[New Window\]](#)

Measurements of the gravitational field vary slightly from place to place due to the composition and structure of Earth's crust. This digital grid describes the Bouguer gravity anomaly for the conterminous US.

[Value of mineral production by state in the US](#) [\[New Window\]](#)

The value of mineral production by state in the United States. The data represent commodities covered by the Minerals Information Team (MIT) of the U.S. Geological Survey.

[Geology of the conterminous United States](#) [\[New Window\]](#)

A digital version of the Geologic Map of the United States, originally published at a scale of 1:2,500,000 (King and Beikman, 1974b). It excludes Alaska and Hawaii.

[Isostatic residual gravity anomaly grid for the conterminous US](#) [\[New Window\]](#)

Measurements of the gravitational field vary slightly from place to place due to the composition and structure of Earth's crust. This digital grid describes the isostatic residual gravity anomaly for the conterminous US.

[Terrestrial radioactivity and gamma-ray exposure in the United States and Canada](#) [\[New Window\]](#)

Data generated by aerial sensing of radiation emanating from the earth's surface provides general estimates of the geographic distribution of Uranium, Thorium, and Potassium in surficial and bedrock units. Covers the conterminous United States, southeaste

[Garnet--An essential industrial mineral and January's birthstone](#) [\[New Window\]](#)

General information about garnets: gemstones, industrial use, how garnets are formed, where garnet deposits occur in the U. S., and U.S. industrial consumption.

[Pan-American Center for Earth and Environmental Studies \(PACES\) gravity data portal](#) [\[New Window\]](#)

[Digitized Aeromagnetic Datasets for the Conterminous United States, Hawaii, and Puerto Rico](#) [\[New Window\]](#)

Aeromagnetic anomaly values digitized from older surveys

[Mine claim density for Alaska](#) [\[New Window\]](#)

Non-surveyed boundaries of active federal mining claims in Alaska. Each mining claim is represented as an individual region, identified by the casefile serial number which can be linked to background data via the Alaska Land Information System

[Alaska digital aeromagnetic database description](#) [\[New Window\]](#)

Basic aeromagnetic data and other airborne survey information for any region of Alaska. Flight-line point information, not grids.

[Merged aeroradiometric data for Alaska](#) [\[New Window\]](#)

Gridded data from aeroradiometric surveys of Alaska.

[Whole Rock Geochemical Data For Paleozoic Sedimentary Rocks of the Western Brooks Range, Alaska](#) [\[New Window\]](#)

This report presents geochemical analyses for 210 unaltered and unmineralized rock samples of Paleozoic age in the western Brooks Range of northern Alaska.

[Whole Rock Geochemical Data For Altered And Mineralized Rocks, Red Dog Zn-Pb-Ag District, Western Brooks Range, Alaska](#) [\[New Window\]](#)

This report presents geochemical analyses for 220 mostly altered and mineralized rock samples from the Red Dog Zn-Pb-Ag district in the western Brooks Range of northern Alaska.

[Geophysical identification and geological implications of the southern Alaska magnetic trough](#) [\[New Window\]](#)

Poster showing preliminary results of regional interpretation of aeromagnetic data for the southern Alaska magnetic trough. Includes the geophysical evidence for the extent and geometry of this magnetic feature.

[Building a magnetic view of Alaska](#) [\[New Window\]](#)

Presentation materials from a series of talks, reports, and maps created between 1992 and 1999 describing work to edit, document, distribute, and interpret about a million line-kilometers of aeromagnetic data in Alaska

[Alaska aeromagnetic compilation; digital grids and survey data](#) [\[New Window\]](#)

[Preliminary integrated geologic map databases for the United States: Digital data for the reconnaissance geologic map for the Kuskokwim Bay region of southwest Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Preliminary Integrated Geologic Map Databases for the United States: Digital data for the geology of the southern Brooks Range, Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Bedrock geologic map of the Port Wing, Solon Springs, and parts of the Duluth and Sandstone 30' x 60' quadrangles, Wisconsin](#) [\[New Window\]](#)

This Report provides digital data (shapefiles and .e00 files) for the bedrock geology in the Port Wing, Solon Springs, and parts of the Duluth and Sandstone quadrangles in Wisconsin.

[Geologic map of central \(interior\) Alaska](#) [\[New Window\]](#)

Geologic map and associated digital databases of central Alaska. Compilation and reinterpretation of previously published and unpublished mapping at 1:250,000 scale, with limited 1:125,000 and 1:63,360 scale mapping.

[Aeromagnetic surveys in the Anchorage, Iliamna, and Tyonek quadrangles, Alaska](#) [\[New Window\]](#)

Gridded data from aeromagnetic surveys

[Element concentrations in soils and other surficial materials of the conterminous United States](#) [\[New Window\]](#)

Geochemistry of soils and other regoliths collected and analyzed from 1958 until about 1976

[Shaded relief aeromagnetic map of the Santa Clara valley and vicinity](#) [\[New Window\]](#)

Compilation of previously surveyed aeromagnetic data to produce a seamless map

[Digital data and derivative products from a high-resolution aeromagnetic survey of the central San Luis basin, covering parts of Alamosa, Conejos, Costilla, and Rio Grande Counties, Colorado, and Taos County, New Mexico](#) [\[New Window\]](#)

Digital data, image files, and text files describing data formats and survey procedures for aeromagnetic data collected during a high-resolution aeromagnetic survey in southern Colorado and northern New Mexico during October, 2004

[Digital aeromagnetic data and derivative products from a helicopter survey over the town of Blanca and surrounding areas, Alamosa and Costilla Counties, Colorado](#) [\[New Window\]](#)

Flight-line data, grids, and images derived from them

[Magnetotelluric data, southern San Luis valley, Colorado](#) [\[New Window\]](#)

Data from an electromagnetic survey conducted as part of a larger effort to understand the hydrogeologic character of a rapidly-developing area.

[Magnetotelluric data, San Luis Valley, Colorado](#) [\[New Window\]](#)

Data from an electromagnetic survey conducted as part of a larger effort to understand the hydrogeologic character of a rapidly-developing area.

[Cretaceous magmatic rocks of Alaska](#) [\[New Window\]](#)

Data derived from the 1994 map "Latest Cretaceous and Cenozoic magmatic rocks of Alaska" compiled by E.J. Moll-Stalcup, D. A. Brew, and T.L. Vallier, published (at 1:2,500,000 scale) in volume G-1 of "The Geology of Alaska" (GSA)

[Geologic map of Alaska](#) [\[New Window\]](#)

Data derived from the 1980 Geologic Map of Alaska compiled by H.M. Beikman and published by the USGS. The map is a regional summary of geologic formations and units at 1:2,500,000 scale. Does not include faults, volcanoes, or correlation chart.

[Sedimentary basins of Alaska](#) [\[New Window\]](#)

Data derived from the 1994 "Map showing Sedimentary Basins in Alaska" by C.E. Kirschner. This map is Plate 7 in Volume G-1: "The Geology of Alaska", published by GSA.

[Generalized thermal maturity map of Alaska](#) [\[New Window\]](#)

Data derived from the 1996 "Generalized Thermal Maturity Map of Alaska" compiled by M.J. Johnsson and D.G. Howell, published in USGS Bulletin 2142. Combines vitrinite reflectance and conodont alteration index in generalized units.

[Aeromagnetic data for Alaska](#) [\[New Window\]](#)

Data from 85 individual aeromagnetic surveys were merged together to produce a single data grid spanning much of Alaska.

[Aeroradiometric data for Alaska](#) [\[New Window\]](#)

Data generated by aerial sensing of radiation emanating from the earth's surface in Alaska provides general estimates of the geographic distribution of Uranium, Thorium, and Potassium in surficial and bedrock units throughout this area.

[Magnetic susceptibilities measured on rocks of the Upper Cook Inlet, Alaska](#) [\[New Window\]](#)

Analysis of rock samples, with photos of sample localities

[Gravity and magnetic data in the vicinity of Virgin Valley, southern Nevada](#) [\[New Window\]](#)

Field measurements: 548 gravity and 6484 magnetic anomaly locations, data in fixed-format text files.

[Ohio complete bouguer gravity anomaly grid](#) [\[New Window\]](#)

[Geochemical characterization of mine waste at the Ely Copper Mine superfund site, Orange County, Vermont](#) [\[New Window\]](#)

An environmental impact study is done for the abandoned Ely copper mine. The extent of contamination is studied along with the type and chemical composition of the mine waste piles.

[A dataset of magnetic susceptibility, metalization, and alteration for samples from the Stinkingwater mining district, Absaroka Mountains, Wyoming](#) [\[New Window\]](#)

Magnetic susceptibility measured for 700 samples of drill core from thirteen drill holes in the porphyry copper-molybdenum deposit of the Stinkingwater mining district in the Absaroka Mountains, Wyoming

[Structure of the Tucson basin, Arizona, from gravity and aeromagnetic data](#) [\[New Window\]](#)

Inference of geologic structure through forward modeling of geophysical data

[Geologic interpretation of aeromagnetic maps in the Santa Cruz basin - Patagonia Mountains area, south-central Arizona](#) [\[New Window\]](#)

Map images of aeromagnetic data, with geological interpretations superimposed. Data provided in a different publication (OFR 00-155)

[Gravity and magnetic surveys over the Santa Rita fault system, southeastern Arizona](#) [\[New Window\]](#)

Gravity station data and hand-held magnetometer measurements with analysis and description of methodology

[Three aeromagnetic surveys in south central Arizona](#) [\[New Window\]](#)

Grids and flight-line data for the surveys of this area

[A ground electromagnetic survey used to map sulfides and acid sulfate ground waters at the Abandoned Cabin Branch Mine, Prince William Forest Park, northern Virginia gold-pyrite belt](#) [\[New Window\]](#)

A map of the soil conductivity derived from the survey to provide insight into the distribution of the mobilized sulfides present under the ground.

[Geophysical characterization of the American River levees, Sacramento, California, using electromagnetics, capacitively coupled resistivity, and DC resistivity](#) [\[New Window\]](#)

Distribution and thickness of sand lenses that underlie the levees and the depth to a clay unit that underlies the sand were ascertained using a variety of electromagnetic sensing methods

[Environmental effects of historical mining in the Animas River watershed, southwestern Colorado](#) [\[New Window\]](#)

General description, with a few maps, of USGS environmental monitoring in an area affected by abandoned mines

[Net acid production, acid neutralizing capacity, and associated mineralogical and geochemical characteristics of Animas River watershed igneous rocks near Silverton, Colorado](#) [\[New Window\]](#)

Chemical analysis of altered volcanic rocks to determine their potential for neutralization of acid-rock drainage. Includes magnetic susceptibility measurements as well.

[Relationship of faults in basin sediments to the gravity and magnetic expression of their underlying fault systems](#) [\[New Window\]](#)

Gravity station data, truck-mounted magnetometer measurements, and aeromagnetic measurements with method of analysis and interpretation

[Thickness of Santa Fe group sediments in the Española Basin south of Santa Fe, New Mexico, as estimated from aeromagnetic data](#) [\[New Window\]](#)

Interpretation of aeromagnetic data, with geologic structure, to infer thickness and estimate capacity of an aquifer.

[Ohio magnetic anomaly grid at flight altitude of 1000 feet above ground](#) [\[New Window\]](#)

[Inversion of gravity data to define the pre-Cenozoic surface and regional structures possibly influencing groundwater flow in the Rainier Mesa Region, Nye county, Nevada](#) [\[New Window\]](#)

Mathematical modeling of gravity data from existing and new observations was used to infer local geologic structure.

[Ground magnetic data from within the Long Valley Caldera, California](#) [\[New Window\]](#)

Results of a detailed ground magnetic survey

[Montana aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Montana, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Precambrian basement geologic map of Montana--An interpretation of aeromagnetic anomalies](#) [\[New Window\]](#)

Geologic map showing the structure and history of the basement rocks of Montana. Most of the state is covered by Phanerozoic bedrock units; the underlying basement structure must be inferred from magnetic anomaly data combined with geologic observations.

[Basement geophysical interpretation of the National Petroleum Reserve Alaska \(NPRA\), northern Alaska](#) [\[New Window\]](#)

[Nevada magnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Nevada, merged to form seamless grids across the state. Gravity anomaly data are provided as well. Data provided in a variety of formats.

[Gravity map of Nevada](#) [\[New Window\]](#)

Gravity observations throughout Nevada combined to provide a consistent collection of point measurements and generate maps.

[A preliminary investigation of the structure of southern Yucca Flat, Massachusetts Mountain, and CP basin, Nevada Test Site, Nevada, based on geophysical modeling](#) [\[New Window\]](#)

Maps showing aeromagnetic survey results, locations of gravity station data, and discussions of processing within the report

[Modeling of the Climax Stock and related plutons based on the inversion of magnetic data, southwest Nevada](#) [\[New Window\]](#)

Mathematical modeling, coupled with new observations of magnetic susceptibility, yield better estimates of the underground configuration of granite plutons.

[New Jersey aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of New Jersey, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[New Mexico aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of New Mexico, merged to form seamless grids across the state. Gravity anomaly data are provided as

well.

[North Dakota aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of North Dakota, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Revised digital aeromagnetic data for areas in and adjacent to the National Petroleum Reserve Area \(NPRA\), North Slope, Alaska](#) [\[New Window\]](#)

Redigitized and corrected data from a previously published study

[Gravity and magnetic study of the Pahute Mesa and Oasis Valley region, Nye County, Nevada](#) [\[New Window\]](#)

Mathematical modeling of geophysical and geologic data to infer deep structure of this area

[Aeromagnetic interpretations for understanding the hydrogeologic framework of the southern Española Basin, New Mexico](#) [\[New Window\]](#)

Analysis of geophysical data, inferring geologic structure of the study area

[Geologic and geophysical framework of the Santa Rosa 7.5' quadrangle, Sonoma county, California](#) [\[New Window\]](#)

Geologic units, structural features, magnetic and gravity anomaly contours and radiometric ages of this area

[Washington aeromagnetic maps and data:](#) [\[New Window\]](#)

Aeromagnetic surveys of Washington state, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Gravity, magnetic, and physical property data in the Smoke Creek Desert area, Northwest Nevada](#) [\[New Window\]](#)

Aerial, truck-towed, and hand-held magnetometer measurements, gravity station data, and sample density and magnetic susceptibility measures

[Geophysical investigations of the Smoke Creek Desert and their geologic implications, northwest Nevada and northeast California](#) [\[New Window\]](#)

Gravity and aeromagnetic data analysis described in a report, with a few physical property analyses

[Magnetic and gravity anomaly maps of West Virginia](#) [\[New Window\]](#)

Aeromagnetic surveys of West Virginia, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Gravity data from Newark Valley, White Pine county, Nevada](#) [\[New Window\]](#)

Gravity station data, isostatic anomaly map, and depth to basement map derived from geophysical inverse modeling.

[Principal facts for gravity data collected in Wisconsin](#) [\[New Window\]](#)

Gravity anomaly surveys of Wisconsin, both separately by survey and combined.

[Wisconsin aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Wisconsin, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Aeromagnetic surveying in Wisconsin 1977-98](#) [\[New Window\]](#)

[Reconnaissance geologic map of the Duncan Canal/Zarembo Island area, southeastern Alaska](#) [\[New Window\]](#)

Updated bedrock geologic mapping of the area incorporating a recent airborne geophysical survey, new field work, fossils, radiometric ages, and geochemical signatures. Includes GIS data.

[Wyoming aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Wyoming, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Geophysical framework based on analysis of aeromagnetic and gravity data, upper and middle Verde River watershed, Yavapai County, Arizona](#) [\[New Window\]](#)

Map showing magnetic anomaly contours in relation to surface geology and inferred subsurface faults.

[Preliminary geophysical framework of the upper and middle Verde River watershed, Yavapai County, Arizona](#) [\[New Window\]](#)

Reanalysis of existing aeromagnetic and gravity data, along with some sample measures of rock density and magnetic susceptibility.

[Preliminary report on geophysics of the Verde River headwaters region, Arizona](#) [\[New Window\]](#)

Extent and methodology of geophysical data collection, including aeromagnetic and aeroradiometric surveying and gravity observation stations.

[Virginia aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Virginia, merged to form seamless grids across the state. Gravity anomaly data are provided as well. Data provided in a variety of formats.

[Ultramafic-hosted talc-magnesite deposits](#) [\[New Window\]](#)

The geological, mineralogical, and geochemical features of talc deposits in the Ludlow, Vermont area are used to illustrate the important characteristics of ultramafic-hosted talc-magnesite deposits.

[Field demonstrations of five geophysical methods that could be used to characterize deposits of alluvial aggregate](#) [\[New Window\]](#)

Data from seismic reflection and refraction, electromagnetic sounding, and resistivity profiling in a study area in Indiana. Exact location is not provided.

[South Carolina aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of South Carolina, merged to form seamless grids across the state. Gravity anomaly data are provided as well. Data provided in a variety of formats.

[A Geochemical Atlas of South Carolina--An Example Using Data from the National Geochemical Survey](#) [\[New Window\]](#)

National Geochemical Survey data from stream-sediment and soil samples, which have been analyzed using consistent methods, were used to create maps, graphs, and tables that characterizes the distribution of major and trace chemical elements in South Carol

[South Dakota aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of South Dakota, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Determination of premining geochemical background and delineation of extent of sediment contamination in Blue Creek downstream from Midnite Mine, Stevens county, Washington](#) [\[New Window\]](#)

Geochemical and radionuclide analyses of surface samples and cores taken near the outflow of this old uranium mine.

[Chromite deposits in central part of the Stillwater Complex, Sweet Grass County, Montana: A digital database for the geologic map of](#)

[the east slope of Iron Mountain](#) [\[New Window\]](#)

Geologic map digitized from a paper copy of plate 10 from USGS Bulletin 1015-D (Howland, 1955)

[Digital data from the Taos West aeromagnetic survey in Taos county, New Mexico](#) [\[New Window\]](#)

Digital data, image files, and text files describing data formats and survey procedures for an aeromagnetic survey covering the southwestern portion of Taos County west of the Town of Taos, New Mexico, conducted in October, 2006

[Digital aeromagnetic data and derivative products from a helicopter survey over the town of Taos and surrounding areas, Taos County, New Mexico.](#) [\[New Window\]](#)

Flight-line data, grids, and images derived from them

[Questa baseline and pre-mining ground-water quality investigation. 25. Summary of results and baseline and pre-mining ground-water geochemistry, Red River valley, Taos county, New Mexico, 2001-2005](#) [\[New Window\]](#)

Detailed geochemical analyses designed to assess environmental impact of mining and facilitate remediation

[Aeromagnetic survey of Taylor Mountains area in southwest Alaska](#) [\[New Window\]](#)

Map and flight-line data, with documentation of the survey

[Texas magnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Texas, merged to form seamless grids across the state. Gravity anomaly data are provided as well. Data provided in a variety of formats.

[Utah aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Utah, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Chemical data for rock, sediment, biological, precipitate, and water samples from abandoned copper mines in Prince William Sound, Alaska](#) [\[New Window\]](#)

Report containing tables of geochemical data

[Aeromagnetic surveys in Yukon Flats Alaska](#) [\[New Window\]](#)

Flight-line data from the aeromagnetic survey

[Processing and interpretation of aeromagnetic data for the Santa Cruz basin - Patagonia Mountains Area, South-Central Arizona](#) [\[New Window\]](#)

Description of methods by which high-resolution aeromagnetic data were interpreted for geological studies.

[Major- and trace-element concentrations in rock samples collected in 2006 from the Taylor mountains 1:250,000-scale quadrangle, Alaska](#) [\[New Window\]](#)

138 rock geochemistry samples collected during the 2006 field season were analyzed using the ICP-AES/MS42, ICP-AES10, fire assay, and cold vapor atomic absorption methods

[Geologic maps and block diagrams of the Barite Hill gold-silver deposit and vicinity, South Carolina and Georgia](#) [\[New Window\]](#)

The Barite Hill deposit was mined from 1990 to 1994, and, during this time, approximately 1,835,000 grams of gold and 3,390,280 grams of silver were produced.

[Application of magnetic and electromagnetic methods to locate buried metal](#) [\[New Window\]](#)

Short report describing an experimental use of geophysical techniques in environmental problems, specifically the location of buried metallic masses in landfills.

[Six aeromagnetic surveys in California, Nevada, and Arizona](#) [\[New Window\]](#)

Grid and flight-line data files provided to USGS by contract geophysical surveyors

[Helicopter electromagnetic and magnetic survey maps and data, East Poplar oil field area, August 2004, Fort Peck Indian Reservation, northeastern Montana](#) [\[New Window\]](#)

Grids, line data, and imagery derived from them covering the small study area.

[An aeromagnetic survey in Yellowstone National Park](#) [\[New Window\]](#)

Grids of total magnetic intensity for the park

[Georgia aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Georgia, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Density and magnetic susceptibility values for rocks in the Talkeetna mountains and adjacent region, south-central Alaska](#) [\[New Window\]](#)

A compilation and statistical analysis of 306 density and 706 magnetic susceptibility measurements of rocks from south-central Alaska

[Geologic and aeromagnetic maps of the Fossil Ridge area and vicinity, Gunnison County, Colorado](#) [\[New Window\]](#)

Geologic units, structural features, and aeromagnetic anomaly map of the area

[Presentation showing results of a hydrogeochemical investigation of the Standard Mine vicinity, upper Elk Creek Basin, Colorado](#) [\[New Window\]](#)

Presentation provided to assist EPA with environmental remediation

[Hydrogeochemical investigation of the Standard Mine vicinity, upper Elk Creek basin, Colorado](#) [\[New Window\]](#)

Ground- and surface-water samples were collected in order to characterize the local ground-water flow system, determine metal concentrations in local ground water, and understand factors controlling the discharge of metal-rich waters from the mine.

[Sequential extraction results and mineralogy of mine waste and stream sediments associated with metal mines in Vermont, Maine, and New Zealand](#) [\[New Window\]](#)

Results from sequential extraction experiments and the quantitative mineralogy for samples of stream sediments and mine wastes collected from metal mines.

[Geologic mapping and mineral resource assessment of the Healy and Talkeetna Mountains quadrangles, Alaska using minimal cloud- and snow-cover ASTER data](#) [\[New Window\]](#)

ASTER imagery is used to map potential occurrences of VMS and porphyry deposit types based on the deposit model characteristics such as host rock lithology and weathering, deposit size and scale, and hydrothermal alteration zonation patterns.

[Preliminary integrated geologic map databases for the United States: Digital data for the reconnaissance bedrock geologic map for the northern Alaska peninsula area, southwest Alaska](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Major- and trace-element concentrations in soils from two geochemical surveys \(1972 and 2005\) of the Denver, Colorado, metropolitan area](#) [\[New Window\]](#)

Analyses of about 900 samples by ICP-MS, ICP-AES, and hydride generation-atomic absorption spectrometry. The samples collected in 2005 were also analyzed by a cold vapor-atomic absorption method for mercury.

[Calculating depths to shallow magnetic sources using aeromagnetic data from the Tucson Basin](#) [\[New Window\]](#)

Details of the mathematical methodology used to infer geological structure from magnetic anomaly data.

[Spatial Digital Database of the Geologic Map of Catalina Core Complex and San Pedro Trough, Pima, Pinal, Gila, Graham, and Cochise Counties, Arizona](#) [\[New Window\]](#)

Geologic map information in GIS formats

[Geologic map of Colorado](#) [\[New Window\]](#)

The geologic map of Colorado in ARC/INFO format was digitized from the original scribe sheets used to prepare the geologic map published by Tweto in 1979.

[Colorado aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Colorado, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Preliminary Precambrian basement map of Colorado - A Geologic Interpretation of the Aeromagnetic Anomaly Map](#) [\[New Window\]](#)

Synopsis of geological processes that formed the basement structure of Colorado, drawing on interpretation of regional aeromagnetic data

[New England states aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of New England, merged to form seamless grids across the state. Gravity anomaly data are provided as well. Data provided in a variety of formats.

[Preliminary integrated geologic map databases for the United States: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, Rhode Island and Vermont](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Lead Isotopic Compositions of Common Arsenical Pesticides Used in New England](#) [\[New Window\]](#)

This study investigates if Arsenical pesticides and herbicides that were extensively used on crops in New England from mid-1800s to recent times have been a significant anthropogenic source of arsenic and lead found in certain soils and sediments.

[Geologic map of the Gold Creek gold district, Elko county, Nevada](#) [\[New Window\]](#)

Map provided in PDF only

[Digital data from the Questa-San Luis and Santa Fe East helicopter magnetic surveys in Santa Fe and Taos Counties, New Mexico, and Costilla County, Colorado](#) [\[New Window\]](#)

Aeromagnetic data collected during an airborne geophysical survey.

[Case study of the environmental signature of a recently abandoned, carbonate-hosted replacement deposit: The Clayton Mine, Idaho](#) [\[New Window\]](#)

Multi-element geochemical analysis of host rock, ore, mine waste, flotation-mill tailings, slag, stream sediments, creek and adit waters, and leachates of mine waste and mill tailings.

[Aeromagnetic survey of the Amargosa desert, Nevada and California](#) [\[New Window\]](#)

Grid data files along with maps in PDF and PostScript accompany this report

[Preliminary integrated geologic map databases for the United States: Delaware, Maryland, New York, Pennsylvania, and Virginia](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Gravity and magnetic data along a seismic refraction-reflection line in northwest Nevada and northeast California](#) [\[New Window\]](#)

Report with gravity station data in a spreadsheet

[Aeromagnetic map for the state of Idaho](#) [\[New Window\]](#)

Aeromagnetic surveys of Idaho, merged to form seamless grids across the state. Data provided in a variety of formats.

[Digital map of surficial geology, wetlands, and deepwater habitats, Coeur d'Alene river valley, Idaho](#) [\[New Window\]](#)

Details of materials and geologic environments in an area where a long history of mining has enriched stream sediments in silver, lead, zinc, arsenic, antimony and mercury, copper, cadmium, manganese, and iron.

[Preliminary gravity and magnetic data of the Lake Pillsbury northern Coast Ranges, California](#) [\[New Window\]](#)

Report with excel tables showing principal facts (gravity observation data) and ground magnetic data.

[Geophysical studies of the Crump Geyser known geothermal resource area, Oregon, in 1975](#) [\[New Window\]](#)

Gravity map and data used to infer details of the geologic structure of the area. Surveys were conducted during or prior to 1975.

[High resolution, low altitude aeromagnetic and electromagnetic survey of Mount Rainier](#) [\[New Window\]](#)

Flight-line and gridded data, with description of methodology and interpretation

[Preliminary model of the pre-Tertiary basement rocks beneath Yucca Flat, Nevada Test Site, Nevada, based on analysis of gravity and magnetic data](#) [\[New Window\]](#)

Mathematical inversion modeling of gravity data to determine geologic structure

[Gravity studies of Cave, Dry Lake, and Delamar Valleys, East-Central Nevada](#) [\[New Window\]](#)

Gravity surveys and structural interpretation of anomaly data in support of ground-water studies

[Aeromagnetic map with geology of the Los Angeles 30' x 60' quadrangle, southern California](#) [\[New Window\]](#)

Printable map sheet depicting geologic units, structural features, and magnetic anomaly.

[Preliminary potential-field constraints on the geometry of the San Fernando basin, southern California](#) [\[New Window\]](#)

Results of mathematical modeling of gravity and magnetic anomaly data to infer the geologic structure of the area

[Isostatic gravity map with geology of the Santa Ana 30'x60' quadrangle, southern California](#) [\[New Window\]](#)

Contour map of isostatic gravity anomaly with bedrock geology, and principal facts for the gravity stations as a separate data file.

[Helicopter electromagnetic and magnetic survey data and maps, Seco Creek area, Medina and Uvalde Counties, Texas](#) [\[New Window\]](#)

Airborne geophysical data and a summary of the hydrologic application.

[Aeromagnetic survey of Medina and Uvalde Counties, Texas](#) [\[New Window\]](#)

Flight-line data, flight-line and aeromagnetic anomaly map images

[Distribution of igneous rocks in Medina and Uvalde counties, Texas, as inferred from aeromagnetic data](#) [\[New Window\]](#)

High resolution aeromagnetic survey used to infer the locations of igneous rock bodies in the area, which are provided in GIS data files

[Potential for new nickel-copper sulfide deposits in the Lake Superior region](#) [\[New Window\]](#)

Explains what these deposits are, where they occur and why, and why they are likely to be important

[Bedrock geology and mineral resources of the Knoxville 1° x 2° quadrangle, Tennessee, North Carolina, and South Carolina](#) [\[New Window\]](#)

Digital format for the map plate in Bulletin 1979 (Robinson et al., 1991), Bedrock Geology and Mineral Resources of the Knoxville 1°x2° Quadrangle, Tennessee, North Carolina, and South Carolina.

[Preliminary integrated geologic map databases for the United States: Kentucky, Ohio, Tennessee, and West Virginia](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Preliminary integrated geologic map databases for the United States: Minnesota, Wisconsin, Michigan, Illinois, and Indiana](#) [\[New Window\]](#)

Digital geologic map information with a consistent set of attributes, part of a national compilation of similar maps. Available in formats compatible with GIS.

[Illinois, Indiana, and Ohio magnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Illinois, Indiana, and Ohio, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Gravity and ground magnetic data from selected traverses in the Amargosa desert and vicinity, Nevada and California](#) [\[New Window\]](#)

Maps of aeromagnetic data and a table of gravity station data now available for download

[Ground-magnetic studies of the Amargosa desert region, California and Nevada](#) [\[New Window\]](#)

Hand-held magnetometer and sample magnetic susceptibility measurements used to help interpret complex patterns in the magnetic anomaly of this area.

[Aeromagnetic expression of buried basaltic volcanoes near Yucca Mountain, Nevada](#) [\[New Window\]](#)

Mathematical modeling and analysis of aeromagnetic anomaly data (gridded data provide in another report).

[Iowa magnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Iowa, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

[Holocene fault scarps and shallow magnetic anomalies along the southern Whidbey Island Fault Zone near Woodinville, Washington](#) [\[New Window\]](#)

Reanalysis of existing aeromagnetic data, in combination with new ground-based magnetic surveys and trench studies.

[The Cottage Lake aeromagnetic lineament: A possible onshore extension of the southern Whidbey Island fault, Washington](#) [\[New Window\]](#)

Use of aeromagnetic, lidar, and borehole data to infer the deep structure of a potentially active fault near Seattle

[Integrated investigations of environmental effects of historical mining in the Basin and Boulder mining districts, Boulder River watershed, Jefferson County, Montana](#) [\[New Window\]](#)

[Ground geophysical study of the Buckeye Mine Tailings, Boulder watershed, Montana](#) [\[New Window\]](#)

Electromagnetic, resistivity, and magnetic surveys used to determine the extent of contamination in an abandoned mine area.

[Preliminary isostatic gravity map of Joshua Tree National Park and vicinity, southern California](#) [\[New Window\]](#)

Map with excel tables showing principal facts (gravity observation data).

[Nebraska, Kansas, and Oklahoma aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Nebraska, Kansas, and Oklahoma, merged to form seamless grids across the states. Gravity anomaly data are provided as well.

[26 km of offset on the Lake Clark fault since late Eocene time \(Alaska\)](#) [\[New Window\]](#)

Report describing the use of aeromagnetic data to understand the offset of a fault in Alaska.

[Missouri aeromagnetic and gravity maps and data](#) [\[New Window\]](#)

Aeromagnetic surveys of Missouri, merged to form seamless grids across the state. Gravity anomaly data are provided as well.

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