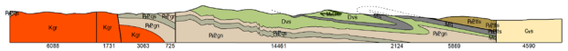


Volcanology

As part of the Alaska Volcano Observatory, this section monitors and evaluates hazards from 54 historically active volcanoes in Alaska to aid in efficiently responding to volcanic activity, including providing timely and accurate warnings of eruptions and unrest.

Mineral Resources

Conducts bedrock geological mapping, geochemical sampling, and geophysical surveys of the most prospective lands to attract interest in mineral exploration and support responsible development of Alaska's mineral endowment.

Hydrology & Surficial Geology

Determines locations of groundwater and construction materials to support important infrastructure projects.

Geologic Hazards

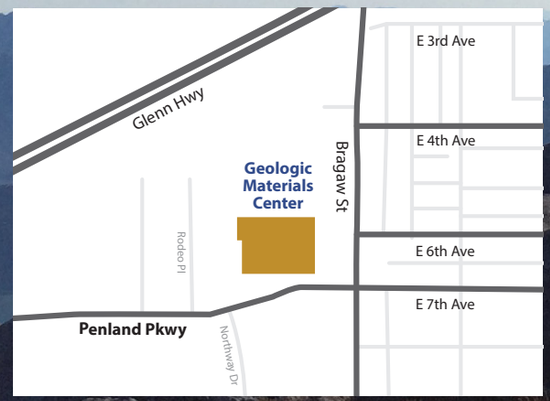
Determines and studies potential geologic hazards, including earthquakes, tsunamis, landslides, and coastal hazards, to mitigate risks to public safety and infrastructure.

Main Office

3354 College Road, Fairbanks, AK 99709
907.451.5010 | dggspubs@alaska.gov

Geologic Materials Center

3651 Penland Pkwy, Anchorage, AK 99508
907.696.0079 | dggs.alaska.gov/gmc



ALASKA DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

dggs.alaska.gov

Monday–Friday | 8:00AM–4:30PM

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3354 College Road
Fairbanks, AK 99709
907.451.5010 | dggs.alaska.gov

WHO WE ARE

The Alaska Division of Geological & Geophysical Surveys (DGGS) is part of the Alaska Department of Natural Resources and is organized into six program sections. The geologists and staff at DGGS are experts at collecting, researching, interpreting, storing, and distributing Alaska's geologic data.

Geologic Information Center (GIC)

GIC staff work closely with the geologists at DGGS to ensure fast and easy public access to information about Alaska's geology.

Geologic Materials Center (GMC)

Permanent, valuable archives of geologic materials and data are stored at the GMC in Anchorage for use by industry, academia, and other stakeholders.

Energy Resources

Produces new geologic information about oil, gas, coal, and geothermal resources to promote industry investment and exploration success.

OUR MISSION

Determine the potential of Alaskan land for production of metals, minerals, fuels, and geothermal resources, the locations and supplies of groundwater and construction material, and the potential geologic hazards to buildings, roads, bridges, and other installations and structures (AS 41.08.020)

GEOPORTALS

DGGS has built and maintains a suite of geoportals to host Alaska's geologic information.

Geologic: geoportal.dggs.dnr.alaska.gov/portal
Elevation: elevation.alaska.gov
Imagery: geoportal.alaska.gov/portal

INTERACTIVE WEB APPS

Users can access various web apps including Map Index, Geochemistry, and Geologic Photos.

dggs.alaska.gov/maps-data/interactive-maps.html

WHAT WE DO

ECONOMY

DGGS research helps the energy and mineral industries find Alaska's resources and encourages prudent development and a strong economy.

LAND MANAGEMENT

Our geologists provide information that helps land managers make informed decisions regarding the best uses of state lands and preserving access for future resource development.

PUBLIC SAFETY

Research and findings to help the state avoid or reduce disastrous effects caused by natural geologic hazards like volcanoes, earthquakes, avalanches, landslides, and tsunamis.

EDUCATION

DGGS provides information and resources for the general public, students, and school teachers to help them learn about Alaska's geology, resources, and hazards.

PUBLICATIONS

All DGGS publications are available to download from our website. MIRL, U.S. Bureau of Mines, and most older U.S. Geological Survey publications are also available. These extensive online resources include datasets and powerful tools for researchers, industry, and the public understand Alaska's geology.

dggs.alaska.gov/pubs