

State of Alaska FY2024 Governor's Operating Budget

Department of Natural Resources Geological & Geophysical Surveys Component Budget Summary

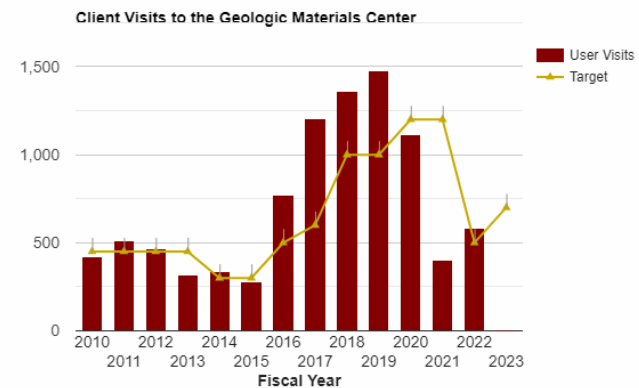
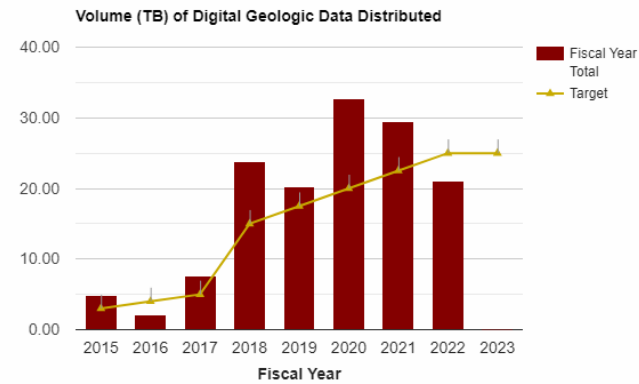
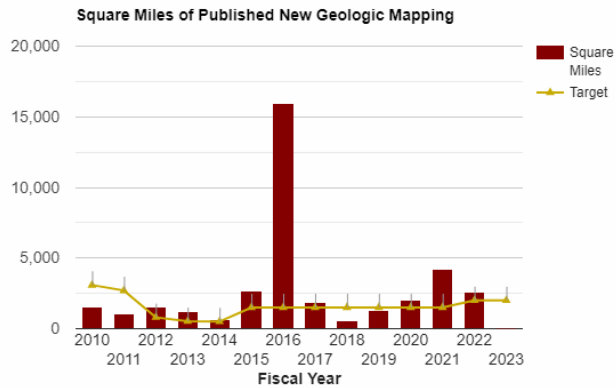
Component: Geological & Geophysical Surveys

Contribution to Department's Mission

Conduct geological and geophysical surveys to determine the potential of Alaskan land for production of metals, minerals, fuels, and geothermal resources, the potential geologic hazards to buildings, roads, bridges, and other installations and structures; and conduct such other surveys and investigations as will advance knowledge of the geology of the state. (AS 41.08)

Results

(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)



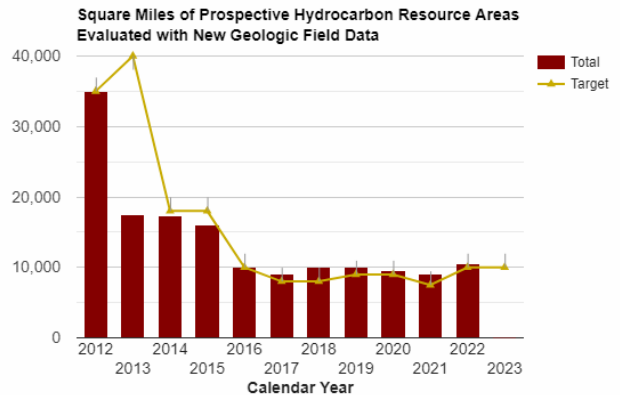
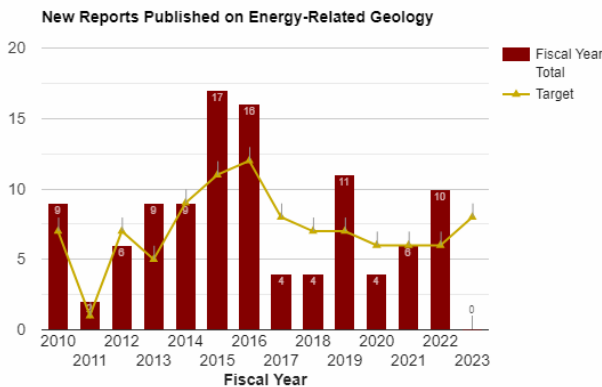
Core Services

- Produce timely and reliable new energy-related geologic information in areas of poor geologic understanding and high energy-resource potential.
- Produce timely and reliable new minerals-related geological and geophysical information in areas of limited information and high mineral-resource potential.
- Produce timely and reliable new information on geologic hazards in areas at risk of casualties, economic losses, and infrastructure failure from natural disasters.
- Provide timely delivery of geological and geophysical information to industry, government, and the public in support of resource exploration, development, and pre-disaster hazard mitigation for continued economic growth and public safety.
- Preserve the state's archive of representative geologic materials from across the state and provide improved public access to the non-proprietary sample inventory in support of resource exploration, land management, and geologic education.

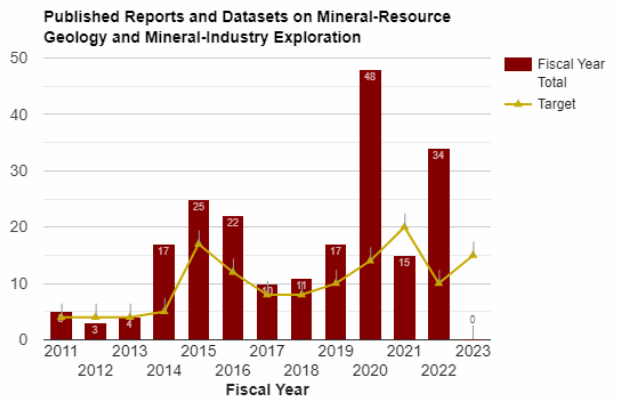
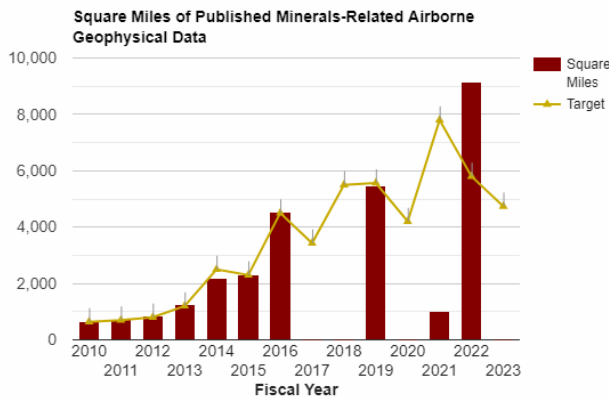
Measures by Core Service

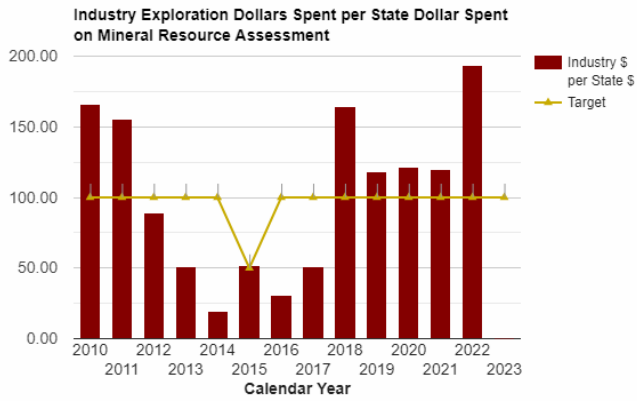
(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)

1. Produce timely and reliable new energy-related geologic information in areas of poor geologic understanding and high energy-resource potential.

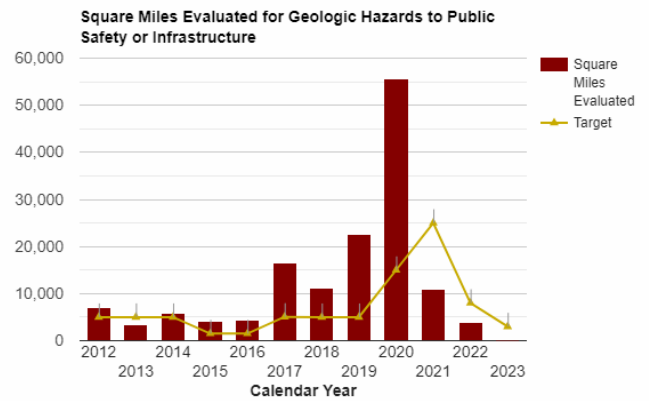
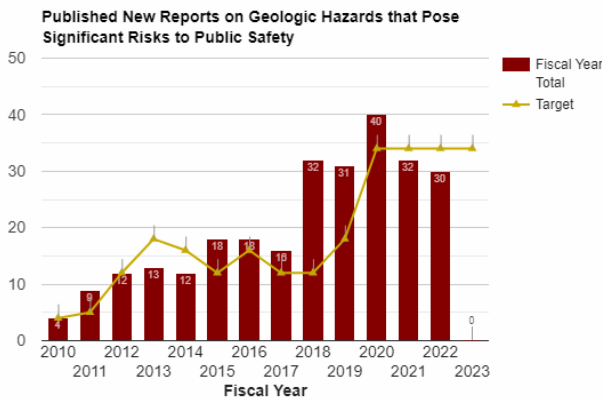


2. Produce timely and reliable new minerals-related geological and geophysical information in areas of limited information and high mineral-resource potential.

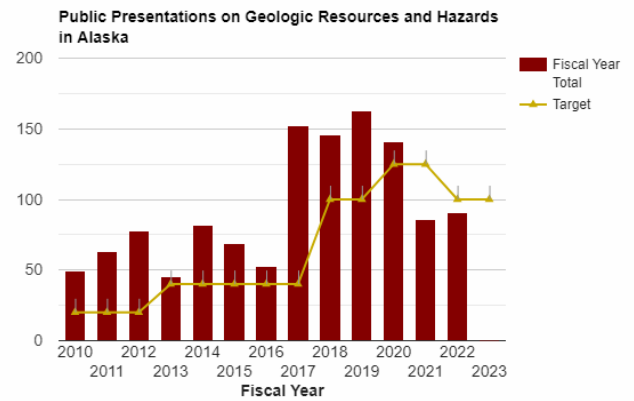
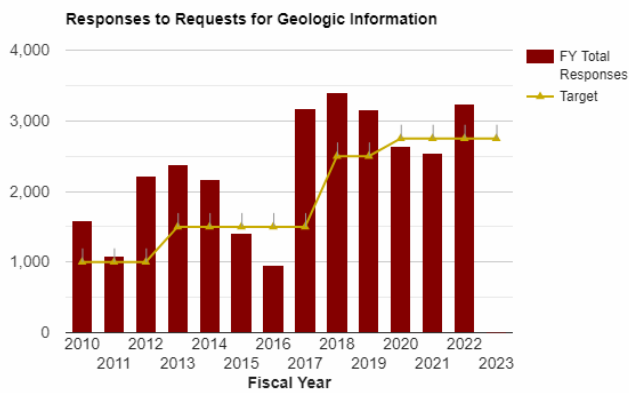




3. Produce timely and reliable new information on geologic hazards in areas at risk of casualties, economic losses, and infrastructure failure from natural disasters.

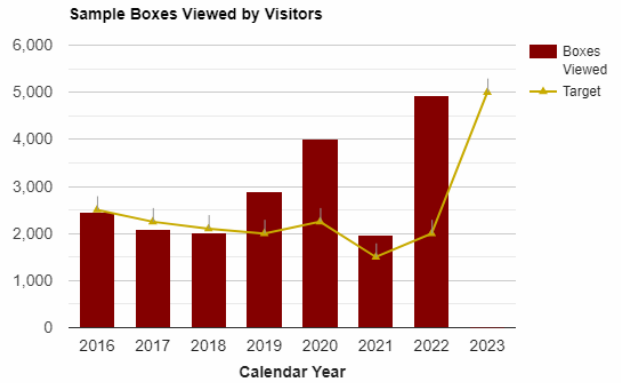
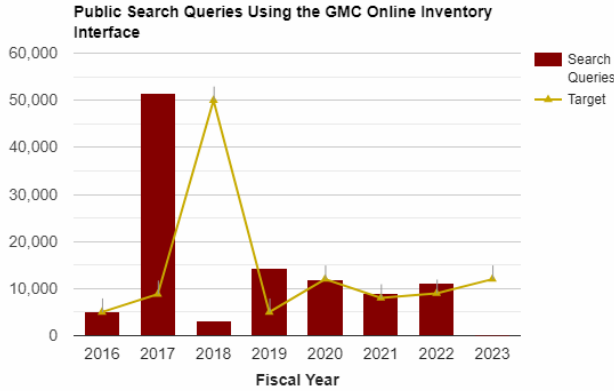


4. Provide timely delivery of geological and geophysical information to industry, government, and the public in support of resource exploration, development, and pre-disaster hazard mitigation for continued economic growth and public safety.



5. Preserve the state's archive of representative geologic materials from across the state and provide improved public access to the non-proprietary sample inventory in support of resource

exploration, land management, and geologic education.



Major Component Accomplishments in 2022

The Geologic Information Center (GIC) provides information technology, geographic information systems (GIS), and publication support services that allowed the division to produce 46 publications and distribute more than 20 terabytes of online data. GIC staff created and maintained a robust infrastructure and efficient workflows that allowed DGGS this year to produce the largest volume in our history of standards based geologic map data. We will deliver more than 40 map databases to the USGS, provide the ability to download this data from our web site, and integrate this data into our recently built Multi-map Geodatabase.

The quality of DGGS' Alaska geological database, quality and scale of maps, and ease of access was rated number one in the nation by the Fraser Institute's 2020 Annual Survey of Mining Companies. GIC personnel manage the division's Geoportal, Elevation Portal, and Imagery Portal where it hosts and shares hundreds of additional geologic, elevation, and imagery datasets and interactive web apps with the public. These geoportals allow users to share, discover, and access geologic data, maps, and interactive applications and is part of the State of Alaska Spatial Data Infrastructure managed by the Alaska Geospatial Office.

The Volcanology Section conducts and publishes geologic investigations of Alaska's volcanoes to increase awareness of volcanic hazards and processes; continuously monitors volcanic activity; and issues timely and accurate warning of increasing unrest and eruptions to emergency management agencies, other government entities, the private sector, and the public. The section is part of the Alaska Volcano Observatory (AVO), an interagency partnership of DGGS, the U.S. Geological Survey (USGS), and the University of Alaska Fairbanks Geophysical Institute. So far, in FY2023, DGGS Volcanology Section staff responded to volcanic unrest at Great Sitkin, Pavlof, and Semisopchnoi volcanoes, and increased monitoring and public communication regarding volcanic unrest at Cleveland, Edgcombe, Trident, and Davidof volcanoes.

Completion of fieldwork for the 4-year, federally funded 4.7-million-dollar Analog to Digital (A2D) project. This work developed a robust system of digital data collection monitoring instruments, providing Alaska Volcano Observatory (AVO) scientists with advanced warning of volcanic activity in Alaska, and allowing AVO to properly warn the public of impending volcanic hazards and dangerous drifting ash clouds. The digital conversion, involving 195 stations among 34 active volcanoes, improves data quality as digital data telemetry is less susceptible to external noise sources than analog telemetry enabling more accurate and timely forecasts of volcanic eruptions to protect life and property. In addition, the analog to digital telemetry conversion brings AVO volcano monitoring instruments in compliance with National Telecommunications and Information Administration (NTIA) radio spectrum guidelines.

The Energy Resources Section safely conducted 31 days of helicopter supported fieldwork on the central North Slope. Work involved reconnaissance investigations in eastern NPRA and western ANWR, as well as detailed examinations of important Brookian reservoir intervals on State lands, including the highly prospective Nanushuk Formation.

Published a major synthesis of the geology of northwestern Cook Inlet, including extensive new data constraining the

age of important reservoirs and the timing and nature of potential structures that impact the petroleum system. This is the most detailed analysis of this basin available in the public domain and will assist ongoing and future exploration and development.

The Geologic Materials Center permanently archives, indexes, protects, and makes accessible for public, academic, and industrial use geologic materials, seismic, borehole and related data to help advance exploration and knowledge of Alaska's geology, oil, gas, and mineral resources. In FY2022, the GMC started a "Rock Sample Digitization" webinar series which has been educating the geologic community on hyperspectral imaging systems being used worldwide to create non-destructive analytical databases for rock sample archives. In addition, GMC staff successfully completed a multi-year project integrating 40,000 core boxes, donated by Hilcorp, into the GMC warehouse and inventory system.

As part of the critical-minerals-focused Earth Mapping Resources Initiative (Earth MRI) program, DGGS' geophysical contractors completed fixed-wing magnetic + radiometric surveying of 7,985 square miles in the Central Yukon-Tanana Uplands and 4,740 square miles in the Western Yukon-Tanana Uplands, with data publication planned for late 2022. Additionally, DGGS' Mineral Resources geologic-mapping team completed 460 person-days of field work and mapped about 2,300 square miles in the Mt. Harper-Richardson area of Interior Alaska under the Earth MRI program.

The Mineral Resources section improves the success of exploration and mine development in Alaska by providing accurate, timely, and readily available geological, geophysical, and mineral deposit information for Alaska's lands, and assess the mineral resource potential of Alaska's 165 million acres of land in support of the \$3.2 billion per year mining industry, and its 2,900 direct jobs. In FY2022, the section completed and digitally published legacy bedrock geologic maps of the Moran, Northeast Fairbanks, Styx River, and Caribou Creek areas.

Managed by DGGS, the Alaska Geospatial Office (AGO) is the coordinating lead of the Alaska Geospatial Council. The vision of the council is to create a sustainable statewide geospatial framework to provide data, technology, policies, standards, and coordination necessary to help improve the quality, coverage, and availability of geospatial data to all Alaskans. The AGO secured \$5M in funds from NOAA to support coastal and ocean mapping and \$3M from FEMA for elevation mapping. All data will be used to support decision-making, safety, hazard assessment, marine navigation, infrastructure development, community planning across the state.

The AGO led the modernization of the State Geoportal and Imagery and Elevation Portals. The State Geoportal provides access to state, federal and local government jurisdiction geospatial data. The new imagery and elevation portals track planned, in-progress, and complete data acquisitions statewide. In the spring of 2022, this new coordination and planning tool identified \$5M in duplicated collections across agencies. Through coordination, the AGO was able to work with agencies to re-prioritize collections and reduce duplicated expenses.

The DGGS-administered Alaska Seismic Hazards Safety Commission (ASHSC), currently chaired by the manager of the DGGS Earthquake and Tsunami Hazards Program, was awarded funding from the National Earthquake Hazard Reduction Program to begin a multi-year project focused on improving building code adoption and enforcement in Alaska. In regions with high seismic hazard, earthquake-resistant structures are much more likely to remain safe and habitable during and after an earthquake. Critical seismic safety efforts will include an assessment of current building code practices as they compare to other seismically active states, current limitations, and hurdles to improving adoption and enforcement, and recommendations for the best path forward.

The Arctic Strategic Transportation and Resources (ASTAR) Project conducted a month-long field campaign in July and August 2022, making observations and collecting geotechnical data to validate terrain unit mapping, inform a regional sand and gravel resource assessment, and help identify potential material sites along a proposed road connecting the North Slope communities of Atkasuk, Utqiagvik, and Wainwright. We also successfully installed a network of weather and river discharge stations that will provide critical data to help develop the Environmental Impact Statement for the proposed road, which crosses 25 significant streams and rivers that will require bridges and large culverts to accommodate increased flow during snowmelt and other high-water events.

The Coastal Hazards Program was selected as a national winner of the Tom Lee State Award for Excellence by the Association of State Floodplain Managers (ASFPM) by demonstrating a track record of success in finding innovative solutions to meet the challenges of hazard mitigation in rural Alaska, collaborating with entities of all types to achieve

a common goal, and maintaining an unwavering commitment to disadvantaged vulnerable Indigenous communities striving to address natural hazards.

The Landslide Hazards Program launched field responses to three significant landslides impacting Alaska communities and infrastructure. This included the May 7 landslide at Seward that buried a portion of Lowell Point Road and blocked land access to the community of Lowell Point. Response activities included early and ongoing consultation and advisement to the City of Seward, analysis of drone photography and video footage, deployment of a geoscientist for ground investigations, and analysis of lidar elevation data. In late August, DGGS scientists traveled to Skagway with partners from ADOT&PF and DHS&EM to assess ongoing rockfall threats to the White River & Yukon Route railway dock. We also provided on-site geologic expertise to emergency responders and the City & Borough of Juneau in the aftermath of the September 26 Gastineau Road landslide in Juneau.

Working with partners at the Division of Mining, Land and Water and the U.S. Geological Survey, the DGGS Coastal Hazards Program sent three emergency response teams to coastal communities struck by the 2020 West Coast storm to document flood and wave impacts. It is important to gather this data as soon as possible after the event to capture it before it is obliterated by cleanup efforts and natural processes. This information is a critical component of community emergency response, recovery, mitigation, and long-term planning efforts, forming the scientific basis for Local Hazard Mitigation Plans and multiple federal funding opportunities for post-disaster mitigation projects.

Key Component Challenges

Raising awareness of the value of publicly available geologic data provided to the state without having resources for outreach continues to be a challenge.

Public demands for natural hazards information, related to radon, arsenic, asbestos, etc., continue to challenge the division's ability to meet society's needs.

Rapidly increasing demands for digital information, while improving the quality, completeness, and usability of statewide geological and geophysical data, continue to challenge the division's ability to improve Alaska's attractiveness for exploration investment, relative to other political jurisdictions.

Reliance on low-cost internal computing solutions and rapidly expanding data volumes, coupled with state computing criteria, creates a challenge to retain staff and provide services; a challenge that may require considerable fiscal resources.

Human resources needed to manage expanding grant funding continues to challenge the division's ability to administer the growth of external funding opportunities. Additional administration staff will be required to support this increased, grant-induced workload. Anticipated large fluctuations in non-state funding will vary the division's workload considerably. Managing this varying workload efficiently will be a challenge, and additional human resources will be required to maintain efficient operations.

Expanding fee-for-services will increase associated administrative tasks that will challenge the staff's ability to perform other duties and maintain services, especially at the Geologic Material Center.

Maintaining the demand for Geologic Material Center services and data will continue to be a challenge and potentially hinder generated revenue, due to the lingering effects of the COVID-19 pandemic and its impact on global oil prices and related industry investment.

A recent dramatic increase in federal funding for critical minerals mapping is challenging the division's ability to sustainably increase the area covered each year with new airborne geophysics, geochemistry, and geologic mapping given limited geoscience staff.

Due to growth in the division's programs, providing a suitable workspace for staff in the Fairbanks office and at the Geologic Materials Center in Anchorage is a key challenge that impacts staff productivity and retention.

Providing adequate funding for the Alaska Geospatial Office so it is better able to coordinate the acquisition and sharing of geospatial data across all government agencies, industry, and the public is a key challenge.

Significant Changes in Results to be Delivered in FY2024

Accelerate publication of recently acquired geologic data, focusing on airborne geophysics, new and historic geologic mapping, and sample geochemistry under the Earth MRI program to recruit mineral explorers to Alaska. Raise awareness of the oil and gas potential in Cook Inlet basin through the release of high-quality data in the public domain and through focused industry outreach efforts.

Focus on publication of recently acquired petroleum geology data for the North Slope. These reports will help evaluate oil and gas potential from conventional and unconventional resource plays.

Complete an evaluation of construction materials and geologic hazards in the National Petroleum Reserve in Alaska for the ASTAR project, in support of community connectivity and resource development.

Continue to expand efforts to cover the 1002 area of the Arctic National Wildlife Refuge (ANWR) and include water resources with available funding.

Continue to expand and strengthen partnerships with federal and state agencies, universities, and local communities to provide scientific assessments of natural hazards, such as landslides, coastal erosion, and tsunamis, to help augment the safety and well-being of potentially affected areas and residents and deliver pertinent information to city planners and community leaders.

Enhance the return on investment into the state's archive of geologic materials by purchasing a hyperspectral scanner and developing new services, agreements, and increased inventory at the GMC.

Continue emphasis on publication of legacy data and projects, making information already collected publicly available.

Continue the drive to publish online reports, maps, and digital datasets available for download and focus less on physically printed media.

Continue efforts to standup a program to collect baseline data on Alaska's geothermal energy potential and enhance coordination with other state agencies to deliver geothermal data.

Broaden services offered for fees by the division in response to new equipment and data acquisition. Continue to update and modify the division's field safety manual and COVID-19 fieldwork safety plan as the pandemic continues to evolve. Staff have resumed normal field activities and these documents are important tools to help keep staff safe and healthy.

Statutory and Regulatory Authority

AS 41.08

| Contact Information |
|---|
| <p>Contact: Steve Masterman, Director Phone: (907) 451-5007 E-mail: steve.masterman@alaska.gov</p> |

| Geological & Geophysical Surveys Personal Services Information | | | | |
|---|------------------------------|--------------------|----------------------------------|------------------|
| Authorized Positions | | | Personal Services Costs | |
| | FY2023 Management Plan | FY2024 Governor | | |
| Full-time | 49 | 49 | Annual Salaries | 5,648,510 |
| Part-time | 12 | 12 | COLA | 152,646 |
| Nonpermanent | 6 | 6 | Premium Pay | 0 |
| | | | Annual Benefits | 3,400,107 |
| | | | <i>Less 3.28% Vacancy Factor</i> | (302,209) |
| | | | Lump Sum Premium Pay | 0 |
| Totals | 67 | 67 | Total Personal Services | 8,899,054 |

| Position Classification Summary | | | | | |
|---------------------------------|-----------|-----------|----------|----------|-----------|
| Job Class Title | Anchorage | Fairbanks | Juneau | Others | Total |
| Accounting Technician 2 | 0 | 1 | 0 | 0 | 1 |
| Administrative Assistant 2 | 0 | 1 | 0 | 0 | 1 |
| Administrative Assistant 3 | 0 | 1 | 0 | 0 | 1 |
| Administrative Officer 2 | 0 | 1 | 0 | 0 | 1 |
| Analyst/Programmer 3 | 1 | 1 | 0 | 0 | 2 |
| Analyst/Programmer 4 | 0 | 2 | 0 | 0 | 2 |
| Chief Geologist | 0 | 1 | 0 | 0 | 1 |
| Data Processing Manager 1 | 1 | 0 | 0 | 0 | 1 |
| Division Operations Manager | 0 | 1 | 0 | 0 | 1 |
| Geological Scientist 1 | 0 | 3 | 0 | 0 | 3 |
| Geologist 1 | 0 | 7 | 0 | 0 | 7 |
| Geologist 2 | 0 | 3 | 0 | 0 | 3 |
| Geologist 3 | 2 | 6 | 0 | 0 | 8 |
| Geologist 4 | 3 | 10 | 0 | 0 | 13 |
| Geologist 5 | 1 | 4 | 0 | 0 | 5 |
| Gis Analyst 2 | 0 | 4 | 0 | 0 | 4 |
| Gis Analyst 4 | 0 | 1 | 0 | 0 | 1 |
| Hydrologist 2 | 0 | 1 | 0 | 0 | 1 |
| Hydrologist 3 | 0 | 1 | 0 | 0 | 1 |
| Large Project Coordinator | 1 | 0 | 0 | 0 | 1 |
| Micro/Net Tc 1 | 0 | 1 | 0 | 0 | 1 |
| Natural Resource Specialist 3 | 1 | 0 | 0 | 0 | 1 |
| Natural Resource Technician 1 | 1 | 0 | 0 | 0 | 1 |
| Natural Resource Technician 2 | 2 | 0 | 0 | 0 | 2 |
| Petroleum Geologist 1 | 0 | 1 | 0 | 0 | 1 |
| Project Coordinator | 0 | 1 | 0 | 0 | 1 |
| Publications Specialist 2 | 0 | 1 | 0 | 0 | 1 |
| Systems Programmer 2 | 0 | 1 | 0 | 0 | 1 |
| Totals | 13 | 54 | 0 | 0 | 67 |

Component Detail All Funds
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

Non-Formula Component

| | FY2022 Actuals | FY2023 Conference Committee | FY2023 Authorized | FY2023 Management Plan | FY2024 Governor | FY2023 Management Plan vs FY2024 Governor | |
|-----------------------------------|----------------|-----------------------------|-------------------|------------------------|-----------------|---|-------------|
| 71000 Personal Services | 7,386.9 | 7,726.2 | 7,608.4 | 8,258.4 | 8,899.1 | 640.7 | 7.8% |
| 72000 Travel | 78.5 | 488.8 | 488.8 | 450.5 | 450.5 | 0.0 | 0.0% |
| 73000 Services | 1,513.4 | 2,967.1 | 2,367.1 | 1,755.4 | 1,293.4 | -462.0 | -26.3% |
| 74000 Commodities | 236.6 | 1,025.4 | 1,025.4 | 1,025.4 | 1,025.4 | 0.0 | 0.0% |
| 75000 Capital Outlay | 1.0 | 4.8 | 4.8 | 4.8 | 4.8 | 0.0 | 0.0% |
| 77000 Grants, Benefits | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% |
| 78000 Miscellaneous | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% |
| Totals | 9,216.4 | 12,212.3 | 11,494.5 | 11,494.5 | 11,673.2 | 178.7 | 1.6% |
| Fund Sources: | | | | | | | |
| 1002 Fed Rcpts (Fed) | 1,741.4 | 2,727.1 | 2,728.8 | 2,728.8 | 2,774.7 | 45.9 | 1.7% |
| 1004 Gen Fund (UGF) | 3,971.9 | 4,905.1 | 4,171.4 | 4,171.4 | 4,258.1 | 86.7 | 2.1% |
| 1005 GF/Prgm (DGF) | 441.7 | 1,519.4 | 1,519.4 | 1,519.4 | 1,529.8 | 10.4 | 0.7% |
| 1007 I/A Rcpts (Other) | 449.4 | 476.2 | 478.3 | 478.3 | 480.3 | 2.0 | 0.4% |
| 1061 CIP Rcpts (Other) | 2,249.0 | 1,576.4 | 1,588.5 | 1,588.5 | 1,619.5 | 31.0 | 2.0% |
| 1108 Stat Desig (Other) | 363.0 | 1,008.1 | 1,008.1 | 1,008.1 | 1,010.8 | 2.7 | 0.3% |
| Unrestricted General (UGF) | 3,971.9 | 4,905.1 | 4,171.4 | 4,171.4 | 4,258.1 | 86.7 | 2.1% |
| Designated General (DGF) | 441.7 | 1,519.4 | 1,519.4 | 1,519.4 | 1,529.8 | 10.4 | 0.7% |
| Other Funds | 3,061.4 | 3,060.7 | 3,074.9 | 3,074.9 | 3,110.6 | 35.7 | 1.2% |
| Federal Funds | 1,741.4 | 2,727.1 | 2,728.8 | 2,728.8 | 2,774.7 | 45.9 | 1.7% |
| Positions: | | | | | | | |
| Permanent Full Time | 40 | 42 | 42 | 49 | 49 | 0 | 0.0% |
| Permanent Part Time | 11 | 11 | 11 | 12 | 12 | 0 | 0.0% |
| Non Permanent | 10 | 11 | 11 | 6 | 6 | 0 | 0.0% |

Change Record Detail - Multiple Scenarios with Descriptions
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| Scenario/Change Record Title | Trans Type | Totals | Personal Services | Travel | Services | Commodities | Capital Outlay | Grants, Benefits | Miscellaneous | Positions | | NP |
|---|------------|-----------------|-------------------|--------------|----------------|----------------|----------------|------------------|---------------|-----------|-----------|-----------|
| | | | | | | | | | | PFT | PPT | |
| ***** Changes From FY2023 Conference Committee To FY2023 Authorized ***** | | | | | | | | | | | | |
| FY2023 Conference Committee | | | | | | | | | | | | |
| | ConfCom | 12,212.3 | 7,726.2 | 488.8 | 2,967.1 | 1,025.4 | 4.8 | 0.0 | 0.0 | 42 | 11 | 11 |
| 1002 Fed Rcpts | | 2,727.1 | | | | | | | | | | |
| 1004 Gen Fund | | 4,905.1 | | | | | | | | | | |
| 1005 GF/Prgm | | 1,519.4 | | | | | | | | | | |
| 1007 I/A Rcpts | | 476.2 | | | | | | | | | | |
| 1061 CIP Rcpts | | 1,576.4 | | | | | | | | | | |
| 1108 Stat Desig | | 1,008.1 | | | | | | | | | | |
| Funding for Mapping of Mineral-rich State Lands | | | | | | | | | | | | |
| | Veto | -750.0 | -150.0 | 0.0 | -600.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| 1004 Gen Fund | | -750.0 | | | | | | | | | | |
| FY2023 Exempt 5% COLA | | | | | | | | | | | | |
| | SalAdj | 32.2 | 32.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| 1002 Fed Rcpts | | 1.7 | | | | | | | | | | |
| 1004 Gen Fund | | 16.3 | | | | | | | | | | |
| 1007 I/A Rcpts | | 2.1 | | | | | | | | | | |
| 1061 CIP Rcpts | | 12.1 | | | | | | | | | | |
| FY2023 Exempt 5% COLA: \$32.2 | | | | | | | | | | | | |
| Subtotal | | 11,494.5 | 7,608.4 | 488.8 | 2,367.1 | 1,025.4 | 4.8 | 0.0 | 0.0 | 42 | 11 | 11 |

| | | | | | | | | | | | | |
|--|--------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|----|
| ***** Changes From FY2023 Authorized To FY2023 Management Plan ***** | | | | | | | | | | | | |
| Delete Expired Non-Permanent Positions | | | | | | | | | | | | |
| | PosAdj | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | -8 |

Delete non-permanent positions that are expired and no longer needed.

- Non-Permanent Student Intern (10-i019), hourly, located in Fairbanks
- Non-Permanent Student Intern (10-i023), hourly, located in Anchorage
- Non-Permanent Student Intern (10-i025), hourly, located in Anchorage
- Non-Permanent Student Intern (10-i026), hourly, located in Fairbanks
- Long-Term Non-Permanent Natural Resource Technician 2 (10-19045), range 14, located in Anchorage
- Long-Term Non-Permanent Natural Resource Technician 2 (10-19046), range 14, located in Anchorage
- Long-Term Non-Permanent Administrative Assistant 1 (10-19052), range 12, located in Fairbanks
- Long-Term Non-Permanent Geologist 1 (10-19064), range 15, located in Anchorage

Add New Geologists for Geophysical Projects

Change Record Detail - Multiple Scenarios with Descriptions
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| Scenario/Change Record Title | Trans Type | Totals | Personal Services | Travel | Services | Commodities | Capital Outlay | Grants, Benefits | Miscellaneous | Positions | | |
|------------------------------|------------|--------|-------------------|--------|----------|-------------|----------------|------------------|---------------|-----------|-----|----|
| | | | | | | | | | | PFT | PPT | NP |
| | PosAdj | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0 | 0 |

The current geophysicist within the division has seen a 4.5-fold increase in workload associated with increased federal and state funding related to the U.S. Geological Survey's (USGS) Earth Mapping Resources Initiative (Earth MRI) program.

These two new positions will assist in management and conduct the state's airborne and ground-based geophysical projects, including:
 1) design, quality control, and contracting for multiple concurrent surveys;
 2) maintaining relationships with federal agencies and other external entities to proactively fund geophysical surveys; and,
 3) publishing new geophysical datasets and maintain public access to existing geophysical datasets via the divisions' website.

Permanent Full-Time Geologist 4 (10-#474), range 21, Fairbanks
 Permanent Full-Time Geologist 3 (10-#475), range 19, Anchorage

Add Positions for Various Mission Critical Projects

| | | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| PosAdj | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 | 2 | 3 |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|

The following positions are created outside of the legislative process due to urgency in need to support a variety of mission critical projects. The division has seen an increase in need for programmatic support.

Conversion of legacy geologic data to the AK GeMS digital standard and DGGS' publication process:
 Full-Time Permanent GIS Analyst 2 (10-2251), range 17, Fairbanks
 Part-Time Permanent Geologist 1 (10-2252), range 15, Fairbanks

Assist with the collection of datasets within the Alaska Geologic Materials Center (GMC):
 Full-Time Permanent Analyst/Programmer 3 (10-New249079), range 18, Anchorage

Fieldwork to systematically assess landslide hazards to infrastructure and human safety:
 Full-Time Permanent Geologist 4 (10-2248), range 21, Fairbanks
 Full-Time Permanent Geologist 3 (10-2249), range 19, Anchorage

To fulfill our obligations in our USGS/DGGS cooperative agreement, and completes core services of that grant in GIS, database, and social media tasks:
 Full-Time Permanent Geologist 1 (10-2250), range 15, Fairbanks

To collect, process, and interpret lidar, photogrammetry, and sonar data:
 Part-Time Permanent GIS Analyst 2 (10-2247), range 17, Fairbanks

To collect water resource information on the North Slope in support of Arctic Strategic Transportation and Resources (ASTAR) project:
 Long Term Non-Permanent Hydrologist 2 (10-N22042), range 19, Fairbanks

To conduct laboratory-geological analyses on geological processes' implications for mineral-resource potential of Alaska:
 Long Term Non-Permanent Geological Scientist 1 (10-N22056), range 22, Fairbanks

Change Record Detail - Multiple Scenarios with Descriptions
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| Scenario/Change Record Title | Trans Type | Totals | Personal Services | Travel | Services | Commodities | Capital Outlay | Grants, Benefits | Miscellaneous | Positions | | NP |
|--|------------|-----------------|-------------------|--------------|----------------|----------------|----------------|------------------|---------------|-----------|-----------|----------|
| | | | | | | | | | | PFT | PPT | |
| To support the creation and population of the Groundwater Quality Project database and assist with State Indoor Radon Grant data management: Long Term Non-Permanent Geologist 1 (10-N22057), range 15, Fairbanks | | | | | | | | | | | | |
| Delete Geologist 2 (10-?246) No Longer Needed | PosAdj | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | -1 | 0 |
| This is to Delete a position that DGGS no longer needs to create for the ASTAR project. Part-Time Permanent Geologist 2 (10-?246), range 17, Anchorage | | | | | | | | | | | | |
| Align Authority with Anticipated Expenditures | LIT | 0.0 | 650.0 | -38.3 | -611.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| Transfer authority from services and travel to cover anticipated personal services costs. The remaining services and travel authority is sufficient to cover anticipated expenditures. | | | | | | | | | | | | |
| Subtotal | | 11,494.5 | 8,258.4 | 450.5 | 1,755.4 | 1,025.4 | 4.8 | 0.0 | 0.0 | 49 | 12 | 6 |

***** **Changes From FY2023 Management Plan To FY2024 Governor** *****

| | | | | | | | | | | | | |
|--|-----|-----|-------|-----|--------|-----|-----|-----|-----|---|---|---|
| Align Authority to Meet Anticipated Personal Services Costs | LIT | 0.0 | 462.0 | 0.0 | -462.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
|--|-----|-----|-------|-----|--------|-----|-----|-----|-----|---|---|---|

Align personal services authority within the Division of Geologic and Geophysical Surveys to meet FY2024 personal service needs. Personal service authorization is needed to meet increased costs associated with existing positions. Authorization is being made available through reduced services obligations within the component.

FY2024 Salary and Health Insurance Increases

| | SalAdj | Totals | Personal Services | Travel | Services | Commodities | Capital Outlay | Grants, Benefits | Miscellaneous | PFT | PPT | NP |
|-----------------|--------|--------|-------------------|--------|----------|-------------|----------------|------------------|---------------|-----|-----|----|
| 1002 Fed Rcpts | 42.5 | 159.3 | 159.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| 1004 Gen Fund | 77.3 | | | | | | | | | | | |
| 1005 GF/Prgm | 8.2 | | | | | | | | | | | |
| 1007 I/A Rcpts | 1.8 | | | | | | | | | | | |
| 1061 CIP Rcpts | 27.0 | | | | | | | | | | | |
| 1108 Stat Desig | 2.5 | | | | | | | | | | | |

FY2024 Salary and Health Insurance Increases: \$159.3FY2024 GGU cost of living increase 2.5%: \$130.8

FY2024 SU cost of living increase 1%: \$14.0

FY2024 AlaskaCare insurance from \$1,685 to \$1,793 per member per month.: \$11.0

FY2024 GGU health insurance increase from \$1,567.50 to \$1,573.50 per member per month.: \$3.5

Change Record Detail - Multiple Scenarios with Descriptions
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| Scenario/Change Record Title | Trans Type | Totals | Personal Services | Travel | Services | Commodities | Capital Outlay | Grants, Benefits | Miscellaneous | Positions | | NP |
|--|------------|-----------------|-------------------|--------------|----------------|----------------|----------------|------------------|---------------|-----------|-----------|----------|
| | | | | | | | | | | PFT | PPT | |
| FY2024 PERS Rate Adjustment | | | | | | | | | | | | |
| | SalAdj | 14.5 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| 1002 Fed Rcpts | | 3.3 | | | | | | | | | | |
| 1004 Gen Fund | | 7.3 | | | | | | | | | | |
| 1005 GF/Prgm | | 1.0 | | | | | | | | | | |
| 1007 I/A Rcpts | | 0.2 | | | | | | | | | | |
| 1061 CIP Rcpts | | 2.5 | | | | | | | | | | |
| 1108 Stat Desig | | 0.2 | | | | | | | | | | |
| FY2024 PERS rate adjustment to 25.10%: \$14.5 | | | | | | | | | | | | |
| FY2024 AlaskaCare Health Insurance Increase - Exempt and Partially Exempt | | | | | | | | | | | | |
| | SalAdj | 4.9 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 |
| 1002 Fed Rcpts | | 0.1 | | | | | | | | | | |
| 1004 Gen Fund | | 2.1 | | | | | | | | | | |
| 1005 GF/Prgm | | 1.2 | | | | | | | | | | |
| 1061 CIP Rcpts | | 1.5 | | | | | | | | | | |
| FY2024 AlaskaCare health insurance increase for exempt and partially exempt employees from \$1,685 to \$1,793 per member per month.: \$4.9 | | | | | | | | | | | | |
| Totals | | 11,673.2 | 8,899.1 | 450.5 | 1,293.4 | 1,025.4 | 4.8 | 0.0 | 0.0 | 49 | 12 | 6 |

Line Item Detail (1676)
Department of Natural Resources
Travel

Component: Geological & Geophysical Surveys (1031)

| Line Number | Line Name | | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|----------------------------------|----------------------------------|--|----------------|------------------------|-----------------|
| 2000 | Travel | | 78.5 | 450.5 | 450.5 |
| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
| 2000 Travel Detail Totals | | | 78.5 | 450.5 | 450.5 |
| 2000 | In-State Employee Travel | In-state transportation costs for employee travel relating to administration, conventions and meetings, boards, and commissions. | 64.8 | 269.5 | 260.5 |
| 2001 | In-State Non-Employee Travel | Alaska seismic board travel. | 3.5 | 10.0 | 10.0 |
| 2002 | Out of State Employee Travel | Transportation costs for travel conventions and meetings, boards and commissions. | 7.6 | 161.0 | 177.0 |
| 2003 | Out of State Non-Employee Travel | Transportation costs for travel relating to meetings and boards for non-employees. | 2.6 | 10.0 | 3.0 |

Line Item Detail (1676)
Department of Natural Resources
Services

Component: Geological & Geophysical Surveys (1031)

| Line Number | Line Name | | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|------------------------------------|-------------------------------|--|----------------|------------------------|-----------------|
| 3000 | Services | | 1,513.4 | 1,755.4 | 1,293.4 |
| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
| 3000 Services Detail Totals | | | 1,513.4 | 1,755.4 | 1,293.4 |
| 3000 | Education Services | Training, educational conferences, and agency memberships. | 36.2 | 0.0 | 36.2 |
| 3001 | Financial Services | Management and consulting services. | 8.8 | 10.0 | 10.0 |
| 3003 | Information Technology | Software leases, licensing, and maintenance. | 104.6 | 150.0 | 115.0 |
| 3004 | Telecommunications | Local, long distance, and cellular telephone charges, television, data/network, telecommunication equipment, and other wireless charges from outside vendors. | 25.6 | 28.3 | 30.4 |
| 3006 | Delivery Services | Freight, courier services, and postage. | 23.3 | 26.0 | 28.0 |
| 3007 | Advertising and Promotions | Advertising, promotions, and legal notices. | 1.1 | 1.5 | 1.5 |
| 3008 | Utilities | Electricity, heating fuel, water, sewage, and disposal services. | 18.7 | 35.0 | 35.0 |
| 3009 | Structure/Infrastructure/Land | Surveys, contracts, and professional services associated with field data collection, storage improvements for core samples and assessment of old Geologic Materials Center fuel tanks. | 29.2 | 90.0 | 100.0 |
| 3010 | Equipment/Machinery | Helicopter, fixed wing aircraft, office equipment maintenance. | 618.7 | 400.0 | 64.1 |
| 3011 | Other Services | State office travel fees and contractual services for mapping. | 52.7 | 96.6 | 18.8 |

Line Item Detail (1676)
Department of Natural Resources
Services

Component: Geological & Geophysical Surveys (1031)

| Object Class | | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|------------------------------------|---|--|--|----------------|------------------------|-----------------|
| 3000 Services Detail Totals | | | | 1,513.4 | 1,755.4 | 1,293.4 |
| 3012 | Inter-Agency Federal Indirect Rate Allocation | NatRes - Administrative Services (424) | Indirect cost allocation for services provided by Administrative Services. | 140.5 | 220.0 | 140.0 |
| 3016 | Inter-Agency Economic Development | | Reimbursable services agreement with DCC&ED for Alaska Oil and Gas Conservation Commission. | 50.0 | 0.0 | 0.0 |
| 3016 | Inter-Agency Economic Development | EnvCon - Department-wide | Reimbursable services agreement to provide Environmental Protection Agency (EPA) Radon Community Assistant Program and the Alaska Geological Material Center support. | 0.0 | 25.0 | 25.0 |
| 3016 | Inter-Agency Economic Development | Gov - Department-wide | Reimbursable services agreement with the Governor's Office for OMB Budget Analyst Support. | 0.0 | 0.5 | 0.5 |
| 3016 | Inter-Agency Economic Development | M&VA - Department-wide | Reimbursable services agreement to provide tsunami mapping and natural disaster emergency response. | 26.2 | 100.0 | 30.0 |
| 3016 | Inter-Agency Economic Development | NatRes - Mining, Land & Water (3002) | Reimbursable services agreement Small Ground Control Lidar Surveys. | 50.6 | 50.3 | 0.0 |
| 3016 | Inter-Agency Economic Development | NatRes - Oil & Gas (439) | Reimbursable services agreement with Oil & Gas for seismic data employee support. | 0.0 | 203.6 | 200.0 |
| 3016 | Inter-Agency Economic Development | Trans - Department-wide | Reimbursable services agreement to bring the Alaska Highway Drainage Manual up-to-date and Alaska Railroad-Snow Remote Sensing and Avalanche Modeling. | 111.0 | 0.0 | 70.0 |
| 3016 | Inter-Agency Economic Development | Univ - Department-wide | Multiple reimbursable services agreements with the University of Alaska Fairbanks for radon outreach to public, acquisition of geophysical survey to map permafrost, and lidar scanning of the FDL-A as it impacts Dalton Highway. | 184.8 | 80.0 | 100.0 |

Line Item Detail (1676)
Department of Natural Resources
Services

Component: Geological & Geophysical Surveys (1031)

| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|------------------------------------|---|---|----------------|---------------------------|-----------------|
| 3000 Services Detail Totals | | | 1,513.4 | 1,755.4 | 1,293.4 |
| 3017 | Inter-Agency Information Technology Non-Telecommunications | Admin - Department-wide Reimbursable services agreement with DOA for Adobe and Microsoft licenses. | 0.0 | 18.0 | 20.0 |
| 3018 | Inter-Agency Information Technology Telecommunications | Admin - Department-wide Reimbursable services agreement with DOA for telecommunication - phones. | 0.0 | 30.0 | 30.0 |
| 3021 | Inter-Agency Mail | Admin - Department-wide Reimbursable services agreement with DOA for centralized mail services chargeback. | 0.7 | 1.0 | 1.0 |
| 3022 | Inter-Agency Human Resources | Admin - Department-wide Reimbursable services agreement with DOA for human resources chargeback. | 0.0 | 0.0 | 8.1 |
| 3023 | Inter-Agency Building Leases | Admin - Department-wide Reimbursable services agreement with DOA for office space lease costs. | 0.0 | 150.0 | 150.0 |
| 3024 | Inter-Agency Legal | NatRes - Public Information Center (2441) Reimbursable services agreement with Law for regulations review. | 0.0 | 0.0 | 13.0 |
| 3026 | Inter-Agency Insurance | Admin - Department-wide Reimbursable services agreement with DOA for risk management, and property insurance. | 0.0 | 8.8 | 8.8 |
| 3027 | Inter-Agency Financial | Admin - Department-wide (Dept) Financial - Annual A/P and Travel Chargeback. | 0.0 | 0.0 | 25.0 |
| 3028 | Inter-Agency Americans with Disabilities Act Compliance | Admin - Department-wide Reimbursable services agreement with DOA for the Americans with Disabilities Act (ADA) chargeback. | 0.0 | 0.0 | 2.0 |
| 3037 | State Equipment Fleet | Trans - Department-wide State equipment fleet vehicle usage. | 30.1 | 30.0 | 30.2 |
| 3038 | Inter-Agency Management/Consulting | NatRes - Public Information Center (2441) Reimbursable services agreement with Public Information Center for office support. | 0.6 | 0.8 | 0.8 |

Line Item Detail (1676)
Department of Natural Resources
Commodities

Component: Geological & Geophysical Surveys (1031)

| Line Number | Line Name | | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|---------------------------------------|-----------------------------|--|----------------|------------------------|-----------------|
| 4000 | Commodities | | 236.6 | 1,025.4 | 1,025.4 |
| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
| 4000 Commodities Detail Totals | | | 236.6 | 1,025.4 | 1,025.4 |
| 4000 | Business | General business supplies such as office consumables, furniture, and computer equipment, along with handheld GPS units, maps, and satellite imagery. | 95.3 | 400.4 | 385.0 |
| 4002 | Household/Institutional | Cleaning, food, and other supplies. | 0.9 | 1.0 | 2.0 |
| 4003 | Scientific and Medical | Instruments and applications, and laboratory supplies. | 53.5 | 210.0 | 95.5 |
| 4004 | Safety | Safety glasses, first aid and emergency preparedness kits, and other safety gear related to arctic field work. | 3.9 | 13.0 | 40.0 |
| 4005 | Building Materials | Materials to build weather station for Landslide Hazard Monitoring. | 0.8 | 1.0 | 5.0 |
| 4011 | Electrical | Electrical materials for weather stations. | 0.2 | 1.0 | 10.0 |
| 4015 | Parts and Supplies | Parts and supplies. | 10.7 | 122.0 | 124.0 |
| 4019 | Small Tools/Minor Equipment | Small tools and minor equipment. | 1.3 | 2.0 | 78.7 |
| 4020 | Equipment Fuel | Helicopter and fixed wing fuel. | 70.0 | 275.0 | 285.2 |

Line Item Detail (1676)
Department of Natural Resources
Capital Outlay

Component: Geological & Geophysical Surveys (1031)

| Line Number | Line Name | | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|--|-------------------------|----------------------------|-----------------------|-------------------------------|------------------------|
| 5000 | Capital Outlay | | 1.0 | 4.8 | 4.8 |
| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
| 5000 Capital Outlay Detail Totals | | | 1.0 | 4.8 | 4.8 |
| 5004 | Equipment | Small equipment purchases. | 1.0 | 4.8 | 4.8 |

Revenue Detail (1681)
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)

| Revenue Type (OMB Fund Code) Revenue Source | Component | Comment | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|---|---|---|----------------|---------------------------|-----------------|
| 5002 Fed Rcpts (1002 Fed Rcpts) | | | 1,741.4 | 2,728.8 | 2,774.7 |
| 5010 Federal Natural Resources - Miscellaneous Grants | | Reimbursement of expenses from the division's multiple federal grants. | 1,741.4 | 2,728.8 | 2,774.7 |
| 5005 GF/Prgm (1005 GF/Prgm) | | | 441.7 | 1,519.4 | 1,529.8 |
| 5109 Program Receipts General Government - Publication Fees | | Publication Sales of Division reports, maps, and cards. | 0.7 | 2.0 | 2.0 |
| 5110 Program Receipts General Government - User Fees | | Room and equipment rentals. | 8.1 | 7.0 | 7.0 |
| 5112 Program Receipts Natural Resources - Charges for Services | | Billed general fund program receipts and seismic data sales. | 432.9 | 1,510.4 | 1,520.8 |
| 5007 I/A Rcpts (1007 I/A Rcpts) | | | 449.4 | 478.3 | 480.3 |
| 5301 Inter-Agency Receipts | Commerce - Department-wide | Reimbursable services agreement with Alaska Oil and Gas Conservation Commission for Geologic Material Center Support. | 25.8 | 64.0 | 45.5 |
| 5301 Inter-Agency Receipts | EnvCon - Department-wide | Reimbursable services agreement with DEC for radon work. | 60.4 | 68.6 | 68.0 |
| 5301 Inter-Agency Receipts | H&SS - Department-wide | Reimbursable services agreement with DHSS to GGS Geospatial COVID-19 RSA. | 0.0 | 0.0 | 0.0 |
| 5301 Inter-Agency Receipts | M&VA - Department-wide | Reimbursable services agreement with DMVA for Tsunami Modeling. | 18.6 | 60.0 | 112.0 |
| 5301 Inter-Agency Receipts | NatRes - Mining, Land & Water (3002) | Reimbursable services agreement with Mining, Land & Water for analyses and interpretation of geophysical and geospatial information to enhance state's energy and mineral resources. | 316.6 | 50.0 | 50.8 |
| 5301 Inter-Agency Receipts | NatRes - Oil & Gas (439) | Reimbursable services agreement with Oil & Gas to provide geological and geospatial information of the state's energy and mineral resources. | 0.0 | 75.7 | 44.0 |

Revenue Detail (1681)
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)

| Revenue Type (OMB Fund Code) Revenue Source | Component | Comment | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|--|-------------------------|---|-----------------------|-------------------------------|------------------------|
| 5301 Inter-Agency Receipts | Trans - Department-wide | Reimbursable services agreement with DOT for Seward Highway Bird Paths - Snow Distribution Mapping. | 13.0 | 0.0 | 0.0 |
| 5301 Inter-Agency Receipts | Univ - Department-wide | Multiple reimbursable services agreements with the University of Alaska for 2022 Subsurface Investigation and Soil Property Testing of FDL-A. | 15.0 | 160.0 | 160.0 |
| 5061 CIP Rcpts (1061 CIP Rcpts) | | | 0.0 | 1,588.5 | 1,619.5 |
| 5351 Capital Improvement Project Inter-Agency | | Capital improvement project receipts for work in direct support of capital projects. | 0.0 | 1,588.5 | 1,619.5 |
| 5108 Stat Desig (1108 Stat Desig) | | | 1,608.5 | 1,008.1 | 1,010.8 |
| 5201 Statutory Dsgntd Prgrm Rcpts Pblc Prtctn - Permits and Fees | | Cooperative agreements including but not limited to petroleum-related Geological studies on the North Slope, and facilitating water level network for the Alaska Coast. | 792.6 | 620.0 | 620.0 |
| 5206 Statutory Designated Program Receipts - Contracts | | Memorandum of Agreements with various agencies and industries. | 815.9 | 385.2 | 385.2 |
| 5211 Statutory Designated Program Receipts-Contracts Prior Year | | Reimbursement from MOUs. | 0.0 | 2.9 | 5.6 |

Inter-Agency Services (1682)
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)

| | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|---|----------------|---------------------------|-----------------|
| Component Totals | 544.5 | 918.0 | 854.4 |
| With Department of Natural Resources | 191.7 | 474.7 | 353.8 |
| With Department of Environmental Conservation | 0.0 | 25.0 | 25.0 |
| With Office of the Governor | 0.0 | 0.5 | 0.5 |
| With Department of Military and Veterans' Affairs | 26.2 | 100.0 | 30.0 |
| With Department of Transportation/Public Facilities | 141.1 | 30.0 | 100.2 |
| With University of Alaska | 184.8 | 80.0 | 100.0 |
| With Department of Administration | 0.7 | 207.8 | 244.9 |

| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|--|--|---|----------------|---------------------------|-----------------|
| 3012 Inter-Agency Federal Indirect Rate Allocation | NatRes - Administrative Services (424) | Indirect cost allocation for services provided by Administrative Services. | 140.5 | 220.0 | 140.0 |
| 3016 Inter-Agency Economic Development | EnvCon - Department-wide | Reimbursable services agreement to provide Environmental Protection Agency (EPA) Radon Community Assistant Program and the Alaska Geological Material Center support. | 0.0 | 25.0 | 25.0 |
| 3016 Inter-Agency Economic Development | Gov - Department-wide | Reimbursable services agreement with the Governor's Office for OMB Budget Analyst Support. | 0.0 | 0.5 | 0.5 |
| 3016 Inter-Agency Economic Development | M&VA - Department-wide | Reimbursable services agreement to provide tsunami mapping and natural disaster emergency response. | 26.2 | 100.0 | 30.0 |
| 3016 Inter-Agency Economic Development | NatRes - Mining, Land & Water (3002) | Reimbursable services agreement Small Ground Control Lidar Surveys. | 50.6 | 50.3 | 0.0 |
| 3016 Inter-Agency Economic Development | NatRes - Oil & Gas (439) | Reimbursable services agreement with Oil & Gas for seismic data employee support. | 0.0 | 203.6 | 200.0 |
| 3016 Inter-Agency Economic Development | Trans - Department-wide | Reimbursable services agreement to bring the Alaska Highway Drainage | 111.0 | 0.0 | 70.0 |

Inter-Agency Services (1682)
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)

| Object Class | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|--------------|--|--|----------------|------------------------|-----------------|
| | | Manual up-to-date and Alaska Railroad-Snow Remote Sensing and Avalanche Modeling. | | | |
| 3016 | Inter-Agency Economic Development | Univ - Department-wide Multiple reimbursable services agreements with the University of Alaska Fairbanks for radon outreach to public, acquisition of geophysical survey to map permafrost, and lidar scanning of the FDL-A as it impacts Dalton Highway. | 184.8 | 80.0 | 100.0 |
| 3017 | Inter-Agency Information Technology Non-Telecommunications | Admin - Department-wide Reimbursable services agreement with DOA for Adobe and Microsoft licenses. | 0.0 | 18.0 | 20.0 |
| 3018 | Inter-Agency Information Technology Telecommunications | Admin - Department-wide Reimbursable services agreement with DOA for telecommunication - phones. | 0.0 | 30.0 | 30.0 |
| 3021 | Inter-Agency Mail | Admin - Department-wide Reimbursable services agreement with DOA for centralized mail services chargeback. | 0.7 | 1.0 | 1.0 |
| 3022 | Inter-Agency Human Resources | Admin - Department-wide Reimbursable services agreement with DOA for human resources chargeback. | 0.0 | 0.0 | 8.1 |
| 3023 | Inter-Agency Building Leases | Admin - Department-wide Reimbursable services agreement with DOA for office space lease costs. | 0.0 | 150.0 | 150.0 |
| 3024 | Inter-Agency Legal | NatRes - Public Information Center (2441) Reimbursable services agreement with Law for regulations review. | 0.0 | 0.0 | 13.0 |
| 3026 | Inter-Agency Insurance | Admin - Department-wide Reimbursable services agreement with DOA for risk management, and property insurance. | 0.0 | 8.8 | 8.8 |
| 3027 | Inter-Agency Financial | Admin - Department-wide (Dept) Financial - Annual A/P and Travel Chargeback. | 0.0 | 0.0 | 25.0 |
| 3028 | Inter-Agency Americans with Disabilities Act Compliance | Admin - Department-wide Reimbursable services agreement with DOA for the Americans with Disabilities Act (ADA) chargeback. | 0.0 | 0.0 | 2.0 |

Inter-Agency Services (1682)
Department of Natural Resources

Component: Geological & Geophysical Surveys (1031)

| Object Class | | Servicing Agency | Explanation | FY2022 Actuals | FY2023 Management Plan | FY2024 Governor |
|---------------------|---------------------------------------|--|--|-----------------------|-----------------------------------|------------------------|
| 3037 | State Equipment Fleet | Trans - Department-wide | State equipment fleet vehicle usage. | 30.1 | 30.0 | 30.2 |
| 3038 | Inter-Agency Management/Consulting | NatRes - Public Information Center (2441) | Reimbursable services agreement with Public Information Center for office support. | 0.6 | 0.8 | 0.8 |

Personal Services Expenditure Detail
Department of Natural Resources

Scenario: FY2024 Governor (19867)
Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| PCN | Job Class Title | Time Status | Retire Code | Barg Unit | Location | Salary Sched | Range / Step | Comp Months | Split / Count | Annual Salaries | COLA | Premium Pay | Annual Benefits | Total Costs | UGF Amount |
|---------|-------------------------------|-------------|-------------|-----------|-----------|--------------|--------------|-------------|---------------|-----------------|-------|-------------|-----------------|-------------|------------|
| 10-?208 | Natural Resource Technician 1 | FT | A | GP | Anchorage | 100 | 10D / E | 12.0 | | 41,028 | 1,434 | 0 | 35,344 | 77,806 | 0 |
| 10-?209 | Natural Resource Technician 2 | FT | A | GP | Anchorage | 100 | 12D / E | 12.0 | | 46,537 | 1,627 | 0 | 37,539 | 85,703 | 0 |
| 10-?253 | Geologist 1 | PT | A | GG | Fairbanks | 203 | 15A | 12.0 | | 51,636 | 1,805 | 0 | 39,570 | 93,011 | 0 |
| 10-?474 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21C / D | 12.0 | | 86,639 | 3,029 | 0 | 53,516 | 143,184 | 0 |
| 10-?475 | Geologist 3 | FT | A | GP | Fairbanks | 203 | 19C / D | 12.0 | | 75,855 | 2,652 | 0 | 49,219 | 127,726 | 0 |
| 10-?477 | Hydrologist 3 | FT | A | GG | Fairbanks | 203 | 20C / D | 12.0 | | 81,120 | 2,836 | 0 | 51,317 | 135,273 | 135,273 |
| 10-?478 | Analyst/Programmer 3 | FT | A | GG | Fairbanks | 103 | 18C / D | 12.0 | | 72,209 | 2,524 | 0 | 47,767 | 122,500 | 122,500 |
| 10-0115 | Geologist 2 | FT | A | GP | Fairbanks | 203 | 17C / D | 12.0 | | 65,575 | 2,293 | 0 | 45,124 | 112,992 | 0 |
| 10-0270 | Micro/Net Tc 1 | PT | A | GP | Fairbanks | 203 | 14F / G | 12.0 | | 59,088 | 2,066 | 0 | 33,040 | 94,194 | 94,194 |
| 10-0279 | Systems Programmer 2 | FT | A | GP | Fairbanks | 203 | 22F / G | 12.0 | | 101,446 | 3,547 | 0 | 59,415 | 164,408 | 32,882 |
| 10-1607 | Administrative Assistant 2 | FT | A | GP | Fairbanks | 203 | 14A / B | 12.0 | | 48,343 | 1,690 | 0 | 38,258 | 88,291 | 88,291 |
| 10-1875 | Geologist 4 | FT | A | GP | Anchorage | 200 | 21J | 12.0 | | 96,798 | 3,384 | 0 | 57,563 | 157,745 | 94,647 |
| 10-2008 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21G / J | 12.0 | | 98,967 | 3,460 | 0 | 58,427 | 160,854 | 0 |
| 10-2016 | Geologist 5 | FT | A | SS | Fairbanks | 203 | 22N | 12.0 | | 125,258 | 1,752 | 0 | 71,575 | 198,585 | 139,010 |
| 10-2030 | Analyst/Programmer 4 | FT | A | GP | Fairbanks | 203 | 20J | 12.0 | | 93,132 | 3,256 | 0 | 56,102 | 152,490 | 0 |
| 10-2035 | Geologist 3 | FT | A | GP | Fairbanks | 203 | 19F / G | 12.0 | | 81,636 | 2,854 | 0 | 51,522 | 136,012 | 95,208 |
| 10-2040 | Division Operations Manager | FT | A | SS | Fairbanks | 203 | 24L | 12.0 | | 133,286 | 1,864 | 0 | 74,774 | 209,924 | 209,924 |
| 10-2046 | Geological Scientist 1 | FT | A | SS | Fairbanks | 99 | 22M / O | 12.0 | | 126,420 | 1,768 | 0 | 72,038 | 200,226 | 150,170 |
| 10-2058 | Geologist 5 | FT | A | SS | Anchorage | 200 | 22F / J | 12.0 | | 104,471 | 1,461 | 0 | 63,294 | 169,226 | 152,303 |
| 10-2060 | Geologist 5 | FT | A | SS | Fairbanks | 99 | 22Q / R | 12.0 | | 143,328 | 2,004 | 0 | 78,774 | 224,106 | 212,901 |
| 10-2061 | Geologist 3 | FT | A | GP | Fairbanks | 203 | 19D / E | 12.0 | | 78,254 | 2,736 | 0 | 50,175 | 131,165 | 0 |
| 10-2062 | Gis Analyst 4 | FT | A | SS | Fairbanks | 203 | 21K | 12.0 | | 105,414 | 1,474 | 0 | 63,670 | 170,558 | 123,655 |
| 10-2064 | Geologist 3 | FT | A | GP | Fairbanks | 203 | 19C / D | 12.0 | | 74,455 | 2,603 | 0 | 48,662 | 125,720 | 88,004 |
| 10-2085 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21K / L | 12.0 | | 105,037 | 3,672 | 0 | 60,845 | 169,554 | 0 |
| 10-2100 | Administrative Assistant 3 | FT | A | GP | Fairbanks | 203 | 15A / B | 12.0 | | 51,684 | 1,807 | 0 | 39,590 | 93,081 | 93,081 |
| 10-2117 | Geologist 5 | FT | A | SS | Fairbanks | 99 | 22N | 12.0 | | 128,706 | 1,800 | 0 | 72,949 | 203,455 | 0 |
| 10-2122 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21K | 12.0 | | 102,941 | 3,599 | 0 | 60,010 | 166,550 | 83,275 |
| 10-2124 | Geologist 2 | FT | A | GP | Fairbanks | 203 | 17J | 12.0 | | 76,167 | 2,663 | 0 | 49,344 | 128,174 | 89,722 |
| 10-2133 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21M | 12.0 | | 109,746 | 3,837 | 0 | 62,721 | 176,304 | 123,413 |
| 10-2175 | Publications Specialist 2 | FT | A | GP | Fairbanks | 203 | 16G | 12.0 | | 68,445 | 2,393 | 0 | 46,267 | 117,105 | 105,395 |
| 10-2217 | Administrative Officer 2 | FT | A | SS | Fairbanks | 203 | 19J / K | 12.0 | | 91,180 | 1,275 | 0 | 57,999 | 150,454 | 150,454 |
| 10-2223 | Analyst/Programmer 4 | FT | A | GP | Fairbanks | 99 | 20M | 12.0 | | 103,246 | 3,609 | 0 | 60,132 | 166,987 | 33,397 |
| 10-2224 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21G / J | 12.0 | | 98,197 | 3,433 | 0 | 58,120 | 159,750 | 47,925 |
| 10-2225 | Geologist 5 | FT | A | SS | Fairbanks | 203 | 22L / M | 12.0 | | 117,343 | 1,641 | 0 | 68,422 | 187,406 | 93,703 |
| 10-2226 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21G | 12.0 | | 95,687 | 3,345 | 0 | 57,120 | 156,152 | 78,076 |
| 10-2227 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21L | 12.0 | | 106,295 | 3,716 | 0 | 61,347 | 171,358 | 119,951 |

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Personal Services Expenditure Detail
Department of Natural Resources

Scenario: FY2024 Governor (19867)
Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| PCN | Job Class Title | Time Status | Retire Code | Barg Unit | Location | Salary Sched | Range / Step | Comp Months | Split / Count | Annual Salaries | COLA | Premium Pay | Annual Benefits | Total Costs | UGF Amount |
|-----------|-------------------------------|-------------|-------------|-----------|-----------|--------------|--------------|-------------|---------------|-----------------|-------|-------------|-----------------|-------------|------------|
| 10-2229 | Geologist 4 | FT | A | GP | Fairbanks | 99 | 21N | 12.0 | | 110,514 | 3,864 | 0 | 63,027 | 177,405 | 88,703 |
| 10-2231 | Data Processing Manager 1 | FT | A | SS | Anchorage | 200 | 22J / K | 12.0 | | 108,299 | 1,514 | 0 | 64,819 | 174,632 | 34,926 |
| 10-2232 | Geologist 3 | FT | A | GP | Fairbanks | 99 | 19M / N | 12.0 | | 97,456 | 3,407 | 0 | 57,825 | 158,688 | 119,016 |
| 10-2234 | Geologist 4 | FT | A | GP | Anchorage | 200 | 21L / M | 12.0 | | 105,151 | 3,676 | 0 | 60,891 | 169,718 | 152,746 |
| 10-2237 | Geologist 4 | FT | A | GP | Fairbanks | 203 | 21L | 12.0 | | 106,295 | 3,716 | 0 | 61,347 | 171,358 | 102,815 |
| 10-2238 | Gis Analyst 2 | FT | A | GP | Fairbanks | 203 | 17E / F | 12.0 | | 69,099 | 2,416 | 0 | 46,528 | 118,043 | 112,141 |
| 10-2239 | Geologist 3 | PT | A | GP | Fairbanks | 203 | 19D / E | 11.0 | | 69,734 | 2,438 | 0 | 45,197 | 117,369 | 0 |
| 10-2240 | Natural Resource Technician 2 | PT | A | GP | Anchorage | 200 | 12C / D | 11.0 | | 40,335 | 1,410 | 0 | 33,485 | 75,230 | 0 |
| 10-2241 | Accounting Technician 2 | PT | A | GP | Fairbanks | 203 | 14B | 11.0 | | 45,796 | 1,601 | 0 | 35,661 | 83,058 | 0 |
| 10-2242 | Geologist 1 | PT | A | GP | Fairbanks | 203 | 15C / D | 10.0 | | 46,851 | 1,638 | 0 | 34,498 | 82,987 | 0 |
| 10-2243 | Geologist 3 | PT | A | GP | Anchorage | 200 | 19E | 11.0 | | 69,641 | 2,435 | 0 | 45,160 | 117,236 | 0 |
| 10-2244 | Geologist 2 | PT | A | GP | Fairbanks | 203 | 17C / D | 10.5 | | 57,834 | 2,022 | 0 | 39,665 | 99,521 | 0 |
| 10-2245 | Gis Analyst 2 | PT | A | GP | Fairbanks | 203 | 17C / D | 11.0 | | 60,288 | 2,108 | 0 | 41,434 | 103,830 | 0 |
| 10-2246 | Natural Resource Specialist 3 | PT | N | GP | Anchorage | 200 | 18D / E | 11.0 | | 63,423 | 1,819 | 0 | 26,764 | 92,006 | 0 |
| 10-2247 | Gis Analyst 2 | PT | A | GP | Fairbanks | 203 | 17B / C | 11.0 | | 57,068 | 1,995 | 0 | 40,151 | 99,214 | 0 |
| 10-2248 | Geologist 4 | FT | A | GP | Anchorage | 100 | 21D / E | 12.0 | | 87,614 | 3,063 | 0 | 53,904 | 144,581 | 144,581 |
| 10-2249 | Geologist 3 | FT | A | GP | Anchorage | 200 | 19A / B | 12.0 | | 68,757 | 2,404 | 0 | 46,391 | 117,552 | 117,552 |
| 10-2250 | Geologist 1 | FT | A | GP | Fairbanks | 203 | 15A / B | 12.0 | | 53,567 | 1,873 | 0 | 40,340 | 95,780 | 0 |
| 10-2251 | Gis Analyst 2 | FT | A | GP | Fairbanks | 203 | 17B / A | 10.0 | | 49,498 | 1,730 | 0 | 35,552 | 86,780 | 86,780 |
| 10-2252 | Geologist 1 | PT | A | GP | Fairbanks | 203 | 15A / B | 10.0 | | 44,639 | 1,561 | 0 | 33,616 | 79,816 | 0 |
| 10-249079 | Analyst/Programmer 3 | FT | A | GG | Anchorage | 200 | 18C / D | 12.0 | | 68,757 | 2,404 | 0 | 46,391 | 117,552 | 0 |
| 10-3504 | Large Project Coordinator | FT | A | XE | Anchorage | N00 | 23Q | 12.0 | | 94,235 | 0 | 0 | 59,072 | 153,307 | 0 |
| 10-4228 | Chief Geologist | FT | A | XE | Fairbanks | N03 | 27M | 12.0 | | 148,710 | 0 | 0 | 80,775 | 229,485 | 229,485 |
| 10-4248 | Geological Scientist 1 | FT | A | GP | Fairbanks | 203 | 22J / K | 12.0 | | 110,273 | 3,855 | 0 | 62,931 | 177,059 | 88,530 |
| 10-N18050 | Geologist 1 | NP | A | GP | Fairbanks | 203 | 15B | 11.0 | | 49,103 | 1,409 | 0 | 24,653 | 75,165 | 75,165 |
| 10-N20003 | Geologist 1 | NP | N | GP | Fairbanks | 203 | 15B / C | 11.0 | | 50,854 | 1,459 | 0 | 24,911 | 77,224 | 0 |
| 10-N22042 | Hydrologist 2 | NP | N | GG | Fairbanks | 203 | 19A / B | 12.0 | | 70,626 | 2,026 | 0 | 29,409 | 102,061 | 0 |
| 10-N22056 | Geological Scientist 1 | NP | N | GP | Fairbanks | 203 | 22A / B | 12.0 | | 86,639 | 2,485 | 0 | 31,769 | 120,893 | 120,893 |
| 10-N22057 | Geologist 1 | NP | N | GP | Fairbanks | 203 | 15A / B | 11.0 | | 49,103 | 1,409 | 0 | 24,653 | 75,165 | 0 |
| 10-T079 | Project Coordinator | NP | A | XE | Fairbanks | N03 | 21O | 12.0 | | 119,574 | 0 | 0 | 39,154 | 158,728 | 0 |
| 10-X013 | Petroleum Geologist 1 | FT | A | XE | Fairbanks | N03 | 26 | 12.0 | | 143,208 | 0 | 0 | 78,583 | 221,791 | 155,254 |

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Personal Services Expenditure Detail
Department of Natural Resources

Scenario: FY2024 Governor (19867)
Component: Geological & Geophysical Surveys (1031)
RDU: Fire Suppression, Land & Water Resources (602)

| PCN | Job Class Title | Time Status | Retire Code | Barg Unit | Location | Salary Sched | Range / Step | Comp Months | Split / Count | Annual Salaries | COLA | Premium Pay | Annual Benefits | Total Costs | UGF Amount |
|-----|---------------------------------|------------------------|-------------|----------------|----------|--------------|--------------|-------------|---------------|-----------------|------|-------------|-----------------|---|------------|
| | | Total Positions | New | Deleted | | | | | | | | | | Total Salary Costs: | 5,648,510 |
| | | | | | | | | | | | | | | Total COLA: | 152,646 |
| | Full Time Positions: | 49 | 0 | 0 | | | | | | | | | | Total Premium Pay: | 0 |
| | Part Time Positions: | 12 | 0 | 0 | | | | | | | | | | Total Benefits: | 3,400,107 |
| | Non Permanent Positions: | 6 | 0 | 0 | | | | | | | | | | | |
| | Positions in Component: | 67 | 0 | 0 | | | | | | | | | | | |
| | Total Component Months: | 786.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Total Pre-Vacancy: | 9,201,263 |
| | | | | | | | | | | | | | | Minus Vacancy Adjustment of 3.28%: | (302,209) |
| | | | | | | | | | | | | | | Total Post-Vacancy: | 8,899,054 |
| | | | | | | | | | | | | | | Plus Lump Sum Premium Pay: | 0 |
| | | | | | | | | | | | | | | Personal Services Line 100: | 8,899,054 |

| PCN Funding Sources: | Pre-Vacancy | Post-Vacancy | Percent |
|--|--------------------|---------------------|----------------|
| 1002 Federal Receipts | 2,242,052 | 2,168,413 | 24.37% |
| 1004 General Fund Receipts | 4,385,938 | 4,241,884 | 47.67% |
| 1005 General Fund/Program Receipts | 482,305 | 466,464 | 5.24% |
| 1007 Interagency Receipts | 97,976 | 94,758 | 1.06% |
| 1061 Capital Improvement Project Receipts | 1,860,626 | 1,799,515 | 20.22% |
| 1108 Statutory Designated Program Receipts | 132,366 | 128,019 | 1.44% |
| Total PCN Funding: | 9,201,263 | 8,899,054 | 100.00% |

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Department of Natural Resources
 1031 - Division of Geological & Geophysical Surveys
 FY2024 Governor Budget

