

**Alaska Mineral, Energy and Geohazards Inventory  
Federally Funded Projects**

**FY2005 Request: \$2,410,000  
Reference No: 38144**

**AP/AL:** Appropriation

**Project Type:** Planning

**Category:** Development

**Location:** Statewide

**Contact:** Rod Combellick

**House District:** Statewide (HD 1-40)

**Contact Phone:** (907)451-5007

**Estimated Project Dates:** 07/01/2004 - 06/30/2007

**Brief Summary and Statement of Need:**

The Alaska Mineral, Energy, and Geohazards Inventory federally funded project comprises a group of geological data generation, organization, and public data delivery tasks that are directly tied to geological inventory mandates in AS 41.08, the legislatively designated outcome measures for DGGs. This project provides receipt authority for committed Federal funds specifically directed towards making Alaska geological information more widely available and more easily accessible.

<b>Funding:</b>	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	Total
Fed Rcpts	\$2,410,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,410,000
<b>Total:</b>	<b>\$2,410,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$12,410,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

SLA03/CH82 - \$1,100,400

DGGs has received federal grants in prior years through the operating budget. These projects are better reflected in the capital budget as they cross fiscal years and are for specific projects.

**Project Description/Justification:**

Alaska Statute AS 41.08.020 mandates that the Alaska Division of Geological & Geophysical Surveys (DGGs):

“...Determine the potential of Alaskan land for production of metals, mineral, 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.”

The Alaska Legislature has identified the following outcome as a high priority goal for DGGs:

“Encourage private-sector investment in ventures that will develop Alaska’s mineral, oil and gas, coal, and construction materials.”

DGGs accomplishes these mandates by generating and disseminating high quality, peer reviewed, objective geologic data and information. DGGs is the primary source for comprehensive geologic data pertaining to the state’s energy and mineral resources and geological hazards. The Division’s data and information are effective in catalyzing private sector investment in direct proportion to its data quality, data relevance, data organization, public awareness of DGGs data and its ease of access.

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These Federal funds will allow the Division to make marked improvements in data quality assurance, organization, and widespread public availability.

Contingent upon Federal funding receipts provided for by this CIP request:

- ? Airborne Geophysics - Bristol Bay. In early FY04 DGGGS secured a cooperative agreement with the US Bureau of Land Management to procure and manage an airborne geophysical survey of land in the Bristol Bay area in southwestern Alaska. This survey will expand the data base available to government agencies and the public with respect to the mineral potential of Native, Federal, and State-selected lands in Alaska. As a result of this survey, BLM's upcoming mineral assessment of the Bristol Bay Mining District will be greatly enhanced, and the inventory of mineral resources on public lands will be supplemented substantially.
- ? Geologic Data Management and Delivery System. DGGGS will complete the construction of a Division-wide digital geologic database management and delivery system so that DGGGS can reduce its cycle time for responding to geologic resource and engineering geology queries, for completing its mineral and energy inventory studies in frontier areas, and make Alaska geologic resource data universally available to the public via the Internet.
- ? Scanning Project. DGGGS will complete the high-resolution scanning of US Geological Survey Bulletins and Professional Papers. The publications will be integrated with the DGGGS enterprise database so that they can be made accessible to the public via Internet and CD-ROM.
- ? National Science Foundation. DGGGS will participate in a cooperative 3-year project with the University of Alaska Fairbanks and University of Wisconsin Madison to develop methods of conveying knowledge and skills in geospatial information (e.g., geology, geography, remote sensing) to residents in rural communities. These skills will provide the tools they need and want to support informed decision-making and the use of state-of-the-art tools for managing local natural resources. The project is supported by many partner organizations in interior and western Alaska.

By catalyzing new exploration and development ventures in the mining and energy sectors of Alaska's economy, this project will generate both state revenue and create high quality employment opportunities in rural Alaska. By lowering the risk of entry into frontier exploration areas this project leverages private sector investment dollars and concentrates them on the most prospective terrains.

**Why is this Project Needed Now:**

This project provides the Division with funding to support geologic resource data generation delivery products, and information transfer needed to sustain and catalyze private sector investment in Alaska's mineral and energy resource industries, and to mitigate geologic hazards. Successful private sector ventures based upon newly generated data take several years to bring to production. If there is not a steady supply of new information to catalyze geologic resource ventures, new development ceases. Products from these Federally supported projects will help to sustain geologic resource development over the next 5-10 years.

**Specific Spending Detail:**

71000	593,262
72000	103,760
73000	1,370,703
74000	97,915
75000	244,360

**Project Support:**

Broad support is provided by mineral and energy exploration firms, Native Corporations, the general mining community, and many support services sectors that work with the mining and energy industries.

**Project Opposition:**

No opposition is anticipated for this CIP.

**State Match Required:**

State of Alaska Capital Project Summary  
FY05 Governor's Capital Budget  
1/4/11 2:06:40 PM

Department of Natural Resources  
Reference No: 38144  
Released December 15, 2004

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Most of these projects require no match funds. Where a match is required, the Division uses an "in-kind" matching formula that identifies expenses that would normally be applied to the kind of work included in the grant or contract. The Division does not go looking for work to do for the Federal government, but rather goes looking for Federal funds to support work that is already identified as needed to meet Alaska statutory and legislatively mandated objectives.

**Annual Ongoing Operating and Maintenance Costs:**

There are no ongoing operational or maintenance costs for the products generated by this project.