

**Cooperative Water Resource Program Pass-through to
USGS for Stream Gaging Projects**

**FY2015 Request: \$2,500,000
Reference No: 37762**

AP/AL: Appropriation

Project Type: Water / Sewer / Solid Waste

Category: Natural Resources

Location: Statewide

House District: Statewide (HD 1-40)

Impact House District: Statewide (HD 1-40)

Contact: Jean Davis

Estimated Project Dates: 07/01/2014 - 06/30/2019

Contact Phone: (907)465-2422

Brief Summary and Statement of Need:

This project permits the Department of Natural Resources to accept funds from both the private sector and local governments and to pass these funds through to the U.S. Geological Survey and U.S. Natural Resources Conservation Service as part of funding agreements for cooperative water resource programs. The funding agreements provide overhead to cover the administrative costs associated with the pass-through process. The data gathered in these projects are useful for reviewing water resources related to mining activities, dam safety and construction, hydroelectric power generation, and in-stream reservation of water applications.

| Funding: | <u>FY2015</u> | <u>FY2016</u> | <u>FY2017</u> | <u>FY2018</u> | <u>FY2019</u> | <u>FY2020</u> | <u>Total</u> |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Stat Desig | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$15,000,000 |
| Total: | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$2,500,000 | \$15,000,000 |

| | | | | |
|-----------------------------------------------|-------------------------------------------|---------------------------------------|---------------------------------------------|----------------------------------------------|
| <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 |
| Totals: | 0 | 0 |

Prior Funding History / Additional Information:

Sec1 Ch16 SLA2013 P71 L22 SB 18 \$2,500,000
 Sec1 Ch17 SLA2012 P124 L11 SB 160 \$2,500,000
 Sec1 Ch5 SLA2011 P91 L11 SB 46 \$855,000
 Sec7 Ch43 SLA2010 P29 L18 SB 230 \$805,000
 Sec1 Ch15 SLA2009 P17 L23 SB 75 \$300,000
 Sec10 Ch29 SLA2008 P71 L4 SB 221 \$300,000

Project Description/Justification:

What is the issue or problem to be solved?

Industry and local governments often provide funding for the U.S. Geological Survey and U.S. Natural Resources Conservation Service to install instrumentation for obtaining hydrologic data. These data are needed for resource development and permitting projects such as mining, hydroelectric, dam safety, and in-stream reservation of water applications. If funding is passed through a state agency, funds can be partially matched by the federal government.

What results will be achieved or products produced?

Participation in this program results in faster reporting times and increased cooperation among the State of Alaska Capital Project Summary

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 Released May 28, 2014

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participating agencies. DNR also receives the final reports and/or end products of these projects. Additionally, technological knowledge is transferred between the participating agencies which ensures that DNR staff remains technologically astute of recent advancements.

Why is this project needed now – What is the impact of remaining status quo?

Data collection and resource information will be lost should DNR terminate participation in this project.

What accomplishments have been achieved with prior year funding?

Mining Related Projects – (Pebble, Usibelli, Red Dog, Pogo, and Fort Knox) involved operation and maintenance of streamflow gages, discharge measurements, development of stage-discharge rating curves, water temperature, and/or monitoring reservoir levels. Data collection is ongoing at these locations.

Hydroelectric Projects – (Terror River, Tye Lake Outlet, Solomon Gulch, and Solomon Tailrace) involved operation and maintenance of streamflow gages. Data collection is ongoing at these locations.

StreamStats (Cook Inlet Basin) – is an application used to obtain streamflow statistics, basin characteristics, and other information at ungaged sites. These data are useful for water use appropriations, hydroelectric power generation, and dam design.

Specific Spending Detail:

| LINE ITEM | DOLLAR AMOUNT | DESCRIPTION |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Personal Services | \$ 125,000 | Partial funding of existing positions. |
| Services | \$ 2,375,000 | pass through funds to U.S. Geological Survey and U.S. Natural Resources Conservation Service for hydrologic data collection |
| Project Total | \$2,500,000 | |

Personal Services Detail:

Number of new position(s)

Number of existing position(s):

Type of Position(s): PFT

NP

NP

(10-2078) Hydrologist III, Anchorage
(10-2143) Hydrologist II, Anchorage