

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

**FY2016 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:** 07/01/2015 - 06/30/2020

**Contact Phone:** (907)465-2422

**Brief Summary and Statement of Need:**

This project allows private industry and local governments to fund stream gaging projects and collect data for resource development and permitting projects such as mining, hydroelectric, dam safety, and in-stream flow reservations. Funding passed through a state agency to the federal government can be partially matched by the federal government.

<b>Funding:</b>	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Total
Stat Desig	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$15,000,000
<b>Total:</b>	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$15,000,000

State Match Required   
 One-Time Project   
 Phased - new   
 Phased - underway   
 On-Going  
 0% = Minimum State Match % Required   
 Amendment   
 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>

**Prior Funding History / Additional Information:**

Sec1 Ch18 SLA2014 P57 L19 SB 207 \$2,500,000  
 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:**

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. This data is needed for resource development and permitting projects such as mining, hydroelectric, dam safety, and in-stream flow reservations. If funding is passed through a state agency such as the Department of Natural Resources to the federal government, funds can be partially matched by the federal government.

**Est Start Date: 7/1/2015**  
**Est End Date: 9/30/2017**

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<b>Fiscal Year</b>	<b>Estimated Amount to be Expended</b>
FY2016	\$500.0
FY2017	\$500.0
FY2018	\$500.0
FY2019	\$500.0
FY2020	\$500.0
<b>Total</b>	<b>\$2,500.0</b>

Projects include: Solomon Gulch, Usibelli Coal Mine, Pebble Mine Site, Greens Creek Mine, Red Dog Mine, Pogo Mine, and Nova Copper-Ambler.

<b>Line Item</b>	<b>Amount</b>
71000 - Personal Services	\$125.0
72000 - Travel	0.0
73000 - Contractual	\$2,375.0
74000 - Commodities	0.0
75000 - Capital Outlay	0.0
77000 - Grants	0.0
<b>Total Request</b>	<b>\$2,500.0</b>

**Position Detail:**

All are existing positions in Anchorage  
(10-2078) Hydrologist IV, PFT  
(10-2143) Hydrologist II, PFT

Data collected and transfer of knowledge will be lost should the Department of Natural Resources terminate participation in this project.

**What was accomplished?**

Mining Prospects/Projects – (Pebble, Usibelli, Red Dog, Pogo, Livengood, Greens Creek, and Fort Knox) involve operation and maintenance of stream flow 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, Soule River and Solomon Gulch) involve operation and maintenance of stream flow gages. Data collection is ongoing at these locations.

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