

**Environmental Monitoring and Assessment of Surface Waters (EMAP)**

**FY2011 Request: \$450,000**  
**Reference No: 37756**

**AP/AL:** Appropriation  
**Category:** Natural Resources  
**Location:** Barrow  
**House District:** Arctic (HD 40)  
**Estimated Project Dates:** 07/01/2010 - 06/30/2015

**Project Type:** Water / Sewer / Solid Waste  
**Contact:** Lynn Kent  
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**Brief Summary and Statement of Need:**

Funding supports a 5-year Environmental Monitoring and Assessment Program (EMAP) as defined in the 2005 Water Quality Monitoring and Assessment Strategy to assess and describe the existing baseline conditions and long-term trends of wetlands, streams, lakes and coastal waters in the Arctic coastal plain which supports the Department's End Result A - The Environment is Protected.

<b>Funding:</b>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>Total</u>
Fed Rcpts	\$450,000						\$450,000
<b>Total:</b>	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000

<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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

A prior appropriation for a similar project collecting baseline data for Prince William Sound was made in FY2002 for \$1,000.0. In FY2004 the EMAP project received a \$1,763.5 appropriation. On December 15th, 2006 the Legislative Budget and Audit Committee added \$798.6 in federal receipts for additional projects (RPL# 18-7-0390). An amendment to the original FY2004 appropriation was done in FY2008 adding \$500.0 for similar work.

**Project Description/Justification:**

This funding continues to support DEC objectives defined in the 2005 Water Quality Monitoring and Assessment Strategy to assess and describe the existing baseline conditions and long-term trends of Alaska's water resources. The Clean Water Act (305(b)) requires states to assess and report on the health of water resources. This work began as part of the U.S. Environmental Protection Agency Environmental Monitoring and Assessment Program (EMAP). This funding supports the DEC effort to begin a 5-year EMAP assessment (FY2011 – FY2015) of wetlands, streams, lakes and coastal waters in the Arctic coastal plain. Oil and gas development, population growth and climate change stresses converge in this area and resource managers need high quality assessment information to support decision-making needs. Funding supports the planning, including partnership development, field data collection, sample analysis, and reporting associated with EMAP assessments. The assessment results provide critical support to decision makers responsible for maintaining Alaska's water quality for the protection and propagation of fish and wildlife, and human activities when evaluating major resource development projects.

