

Alaska Department of Natural Resources, Alaska Hydrologic Survey Glacier Creek Stream Gaging



FY02 Grant Award: \$12,540

Match Required: \$8,360



Description and Purpose:

The Alaska Hydrologic Survey (AHS) proposes to maintain the stream gage and water quality-monitoring site on Glacier Creek near Girdwood. The objective of the project is to assess changes in quantity and quality of Glacier Creek since the removal of the USGS gage in 1978, and to serve as a basis for the development of BMP's and TMDL's. In order to gain statistical significance a minimum of five years of data collection is needed. The FY 2002 grant will be the second of a recommended five-year data collection effort. The importance of a multi-year project for streamflow is to accommodate anomalous streamflow conditions, either

seasonally or single event storms, that could skew the data, and to gain sufficient data over a wide variety of flow conditions as to allow for accurate statistical relations to be developed.

Environmental Benefit and Evaluation Process:

Evaluation process will be based on statistical significance of the data collected, correlation with previous data, and peer and publication review process. Effectiveness of project will be reviewed annually in conjunction with ADEC to reassess the need for project continuation.

Project Deliverables Include:

A [Glacier Creek Stream Gaging report](#) that will include average daily streamflow analysis, conductivity data, water quality measurements, and an evaluation of how current data correlates to past data. Potential impacts of development in Girdwood will be outlined if data show statistical significance and trends are identified.



Project Contacts:

Grantee Project Manager:

Mark Inghram
AHS, DMLW, ADNR
550 W. 7th Ave., Suite 900A
Anchorage, AK 99501-3577
Phone: (907) 269-8638 fax: (907) 269-8947
Email address: marki@dnr.state.ak.us

ADEC Project Manager:

Laura Eldred
ADEC AWQ
555 Cordova Street
Anchorage, AK 99501
Phone: 269-1065 fax: 269-7508
laura_eldred@envircon.state.ak.us