

Alaska Hydrologic Survey Projects

Project: AKWUDS
CC Code: 10650311
Alpha: A14
Manager: Ireland
Description: Alaska Water Use Data System (AKWUDS) is a computerized database maintained and developed for the USGS for the storage and retrieval of data pertaining to water use throughout the State. An annual report summarizing use is published in a PDF format.

Project: Coldfoot Sampling

CC Code: 10650312
Alpha: A15
Manager: Vohden
Description: Creek samples were collected by BLM and analyzed for turbidity and suspended solids. Further sampling should be done this summer. *Not funded*

Project: Village Safe Water

CC Code: 10650343
Alpha: A16
Manager: Allely
Description: Work at Anchor point this year dealt with a limited shallow water aquifer affected by hydrocarbon plume. AHS involvement involved collection of water level data, and analysis if production well can supply additional homeowners.

Project: GW Data/Logs

CC Code: 10650344
Alpha: A17
Manager: Allely
Description: Provides well-log data on a fee basis to private, public, and commercial requestors. Also gives interpretations and recommendations in solving requestors hydrogeologic questions.

Project: Hoseanna Creek

CC Code: 10650355
Alpha: A18
Manager: Vohden
Description: A cooperative project with USGS involving monitoring Hoseanna Creek (also known as Lignite Creek) near Healy for stream flow and sediment loading. This project is primarily carried out by USGS personnel.

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Project: Moonlight Springs

CC Code: 10650346

Alpha: A19

Manager: Inghram

Description: A cooperative project with the City of Nome designed to monitor the Nome municipal water supply source at Moonlight Springs for stage and temperature. Annual projections designed to assist Nome with expected water availability for critical low-flow time of year are included. (Water Rights)

Project: Abandon Placer Mines

CC Code: 10650352

Alpha: A20

Manager: Vohden

Description: A previously mined mile long section near the Birch Creek watershed (mile 101 Steese Hwy) is being reclaimed and monitored to document the disturbance ecology of reclaimed placer operations. Stream channel has been rerouted for aesthetics and stability as well as encouragement of vegetative cover to reduce erosion and icing problems.

Project: Alaska Aquifer Vulnerability

CC Code: 10650353

Alpha: A21

Manager: Noll

Description: Development of methodology in conjunction with ADEC to estimate aquifer susceptibility and vulnerability over large areas.

Project: Network Evaluation

CC Code: 10650783

Alpha: A22

Manager: Inghram

Description: A statewide cooperative CIP project with the USGS designed to assess the adequacy of the current surface water stream gage data, and identify where data collection efforts should be located in the future.

Project: Old Harbor

CC Code: 10655051

Alpha: A23

Manager: Carrick

Description: RSA with Division of Energy to provide streamgaging information for potential hydroelectric sites near Old Harbor, on Kodiak Island.

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Project: Fish Creek Gage

CC Code: 10655053

Alpha: A24

Manager: Vohden

Description: Stream gaging designed to assess flow conditions at Fish Creek prior to mining activities at Fort Knox which will minimize flows upon construction of dams at mine site. (Water Rights)

Project: Indian Creek

CC Code: 10655054

Alpha: A25

Manager: Maurer

Description: DOW assists ADEC by providing hydrologic interpretation and streamflow measurement data to assess the impacts of a fuel spill on Indian Creek and downgradient water-supply wells.

Project: Kenai Groundwater

CC Code: 10655340

Alpha: A26

Manager: Davidge

Description: Cooperative interagency multi-phased project to define aquifers and flow systems on the Kenai Peninsula. USGS did peninsula overview, DOW dealt specifically problems at Sterling and Nikiski.

Project: Usibelli Groundwater

CC Code: 10655341

Alpha: A27

Manager: Vohden

Description: Current groundwater study involves sampling Hoseanna Creek and wells in the Runaway Ridge mine area, in the overburden from Poker Mine, in an area between two mines, and analyzing the water for metals and major ions critical for permitting, and monitoring overall hydrology of entire mine site. This is a cooperative program with Usibelli Coal, Inc.

Project: St Paul Aquifer Test

CC Code: 10655342

Alpha: A28

Manager: Allely

Description: Conducted aquifer test for City of St Paul to determine maximum safe yields, and optimum spacing of pumping centers for new production wells.

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Project: Minnie Street

CC Code: 10655343

Alpha: A29

Manager: Vohden

Description: A combined DOW, USGS, Alaska Railroad, and Minnie St. Land User Group to characterize the areal extent of high petroleum concentrations in groundwater, and to investigate the hydrology and geochemistry of the 300 acre site near downtown Fairbanks.

Project: Gambell Groundwater Dynamics

CC Code: 10655344

Alpha: A30

Manager: Ireland

Description: Gather and interpret data from two monitoring wells near Gambell within a well field to help quantify available water resources from small aquifers subject to thermal degradation and salt water intrusions. (Water Rights)

Project: Armstrong Keta

CC Code: 10655345

Alpha: A31

Manager: Noll

Description: A small project done with ADF&G to assist them with hydrology and placement and installation of a stream gage.

Project: Duck Creek

CC Code: 10655346

Alpha: A32

Manager: Noll

Description: Hydrologic assessment done cooperatively with the City and Borough of Juneau to determine if relocation of Duck Creek will have fish habitat implications or impacts.

Project: St Paul Aquifer Monitoring

CC Code: 10655347

Alpha: A33

Manager: Allely

Description: The purpose of this project is to assist the City of St Paul in safeguarding wellfield from saltwater intrusion. This is accomplished by monitoring water levels, water use, and water quality from the wellfield.

Project: Wetlands

CC Code: 10650330A

Alpha: A34

Manager: Carrick

Description: Provide technical and hydrologic support statewide with regard to the existence and or areal extent of wetlands.

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Project: Toklat River

CC Code: 10650330B

Alpha: A35

Manager: Carrick

Description: Located on the northern border of Denali National Park, this project is to assess the hydrology associated with salmon spawning habitat locate on the Toklat River. ADF&G has requested assistance, which should start August, 1994.

Project: Kenai Groundwater/Nikiski

CC Code: 10650330C

Alpha: A36

Manager: Davidge

Description: One phase of Kenai groundwater study. Summer 1991 collected water-level and QW data in 25 square mile area centered around refineries.

Project: AKWUDS

CC Code: 10650330D

Alpha: A37

Manager: Ireland

Description: General fund portion of project, identical to 10650311. Used for matching funds from USGS.

Project: Turnagain Arm

CC Code: 10650355

Alpha: A38

Manager: Carrick

Description: Provide; consultation with DOL staff on Turnagain Arm Plan water resources guidelines; do winter low flow measurements on Glacier Crk near MOA wells; complete data analysis; and consult with DOL & ADF&G on data needs for water rights & instream flow.

Project: WELTS

CC Code: 10650330F

Alpha: A39

Manager: Ireland

Description: General fund project recording well logs on a statewide basis. User fees charged for retrieval of information offset costs. Well log submittal is required under state law.

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Project: ADAK

CC Code: 10650330H

Alpha: A41

Manager: Allely

Description: Cooperative project to delineate water table and subsurface deposits controlling contaminant plume migration beneath Adak Naval Air Station. Project incomplete due to military downsizing and military cut backs.

Project: Nuclear Source

CC Code: 10650330I

Alpha: A42

Manager: Allely

Description: Exploration of options to use or dispose of nuclear well-logging sources. Draft proposal for emergency CIP request to fund disposal currently in review.

Project: Unalaska Gaging

CC Code: 10655348

Alpha: A43

Manager: Carrick

Description: RSA agreement with City of Unalaska for installation and maintenance of five stream gages as potential sites for small hydroelectric power production and/or city drinking water.

Project: TMDL

CC Code: 10650330BB

Alpha: A44

Manager: Noll

Description: Stream flow, turbidity, and sediment load data are being collected on placer mined streams in the Fairbanks area for ADEC.

Project: Delta Watershed

CC Code: 10650330CC

Alpha: A45

Manager: Vohden

Description: Originally funded by SCS, the project monitored precipitation and flow on the Granite -Rhoads watersheds. This was an integral component of a project by SCS to protect the Delta Clearwater Creek from stormwater related sediment. Currently unfunded, with possible resumption in FY95.

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Project: Elmendorf Hatchery

CC Code: 10650330DD

Alpha: A46

Manager: Inghram

Description: Provide technical/hydrologic support to ADF&G for design of diversion structures to protect hatchery intake structures.

Project: Alaska Railroad

CC Code: 10650330EE

Alpha: A47

Manager: Maurer

Description: A large multi-year cooperative project with state, federal, and the Alaska Railroad to evaluate hydrogeologic and groundwater quality conditions at the Alaska Railroad industrial area, Anchorage, Alaska.

Project: Mining RSA

CC Code: 10650330FF

Alpha: A48

Manager: Allely

Description: Contracted by Division of Mining to cover hydrologic aspects review of Usibell's Phase V Gold Run Pass permit application.

Project: Chefornak

CC Code: 10650330GG

Alpha: A49

Manager: Allely

Description: Village Safe Water requested assistance in groundwater exploration and development at Chefornak Village. Involvement includes participation in well drilling and development.

Project: Scammon Bay RSA

CC Code: 10650330HH

Alpha: A50

Manager: Carrick/Ireland

Description: An RSA planned with Division of Energy to install and maintain a stream gage on an unnamed stream near Scammon Bay on Kodiak Island for assessment as a small hydroelectric power site.

Project: Eagle River Wells

CC Code: 10650430

Alpha: A51

Manager: Allely

Description: Continuing water-level monitoring in confined aquifer under heavy demand, provides for data for water rights determinations on an on-going basis.

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Project: AJ Mine

CC Code: 10650356

Alpha: NA

Manager: Noll

Description: Provide technical assistance to water rights adjudicators for mining related to water issues.

Other FBKs Projects-

- * Healy Clean Coal project: Water Permits issued, but Permit Monitoring & during Construction Temp. water use Permits.
- * Ft Knox: Water Permits issued, but monitoring & TWP will be required.
- * Ryan Gold: Application pending: TWP for exploration & groundwater study to start this summer.
- * Ester ^{AKA} Gemel dewater project: Monitor, permit & potential water rights conflict.
- * Well replacement / deeping (Mr. Johnson) (Contact ASAP).