



Alaska Hydrologic Survey

Alaska Hydrologic Survey (AHS) Directives

AHS was established to fulfill the goals and mandates of Alaska State Statute (AS) 41.08. Specifically, AS 41.08.017 directs us to collect, record, and evaluate hydrologic data that are in the public interest and necessary to the orderly domestic and industrial development of the State. AHS was also established to provide data necessary to manage Alaska's waters as described in AS 46.15, otherwise known as the Alaska Water Use Act. AS 46.15 was enacted for the purpose of determining and adjudicating rights in the use of the water of the state through a standardized procedure for processing applications and the issuance of authorizations, permits, and certificates.

Goal

Our long-term goal is to provide data on the State's water resources to local, state, and federal government agencies to ensure management decisions are based on scientifically sound accurate data. Central to our goal is the enhancement of economic diversification and growth of the Alaskan economy, the protection of the health and security of its citizens, and the conservation of the environment for future generations.

Hydrologic Repositories and databases

Well Log Tracking System (WELTS)

WELTS is the state repository for well logs. AS 41.08.020(b)(4) and Title 11 Alaska Administrative Code (AAC) 93.140(a) requires that well logs be submitted within 45 days of well completion. As of 2015, WELTS contains over 34,939 well log entries and/or decommissioning forms submitted by well drillers, industry, other state agencies and members of the public. WELTS may be accessed online at:

<http://dnr.alaska.gov/mlw/welts/#/?page=show-welts-intro-template>

Alaska Water Use Database (AKWUDS)

AHS is the state repository for reported water use associated with water rights and/or temporary water use authorizations. These data are currently not available online, but may be accessed at our Anchorage office in both hardcopy and electronic formats.

Streams Database

The streams database contains over 1,000 discrete discharge measurements collected by the AHS. The database may be accessed online at:

<http://dnr.alaska.gov/mlw/water/hydro/streams/streams.cfm>

Recipients of these Data

AHS receives requests for hydrologic data or information from a number of sources including, but not limited to:

- Other state agencies, local governments, and federal agencies, which use these data to fulfill their mandated duties regarding management of local resources, planning, and permitting
- Industry, which uses these data to support hydrologic analysis to support various projects and/or permitting applications
- Members of the public, which request information on various types of water related issues, summarized by type and percentage in Figure 1:

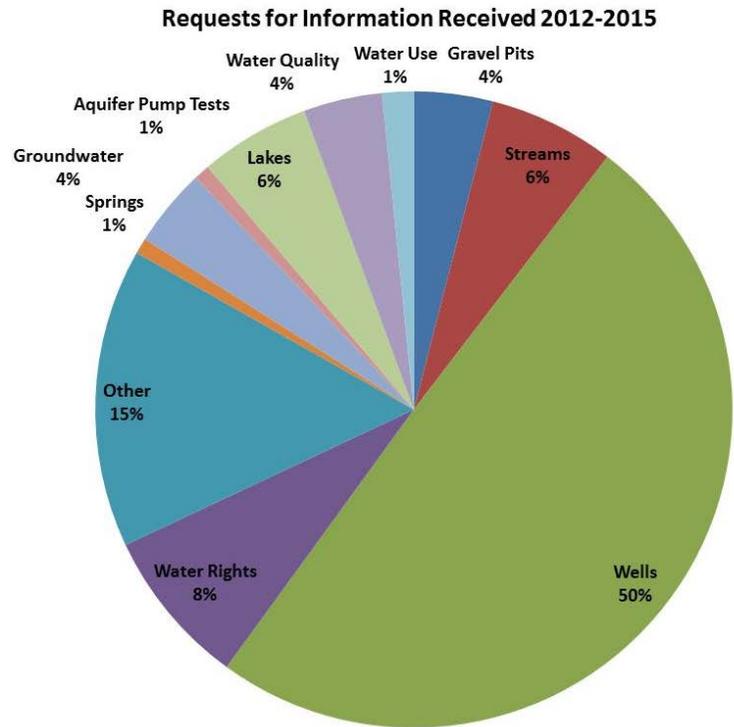


Figure 1. Pie chart showing the type and percentage of requests for information received by AHS during 2012 through 2015.

Additional services available through the Alaska Hydrologic Survey

AHS is comprised of a team of professional hydrologists consisting of expertise in groundwater, surface water and hydro-geochemistry. Our core value is to provide scientifically defensible analyses of hydrologic data. We provided technical assistance to local governments, other state agencies, federal agencies, industry and individuals that have a need for hydrologic data or analyses. Through cooperative agreements AHS will establish research projects, as warranted, to collect and analyze hydrologic data.

Where may I request more information from the AHS?

Alaska Hydrologic Survey
550 West 7th Avenue, Suite 1020
Anchorage, AK 99501
Phone: (907) 269-8646
Email: dnr.water.reports@alaska.gov