

# **Pilot Project: Survey of needed event data in high resolution NHD**

**Partner:** Idaho Department of Water Resources

## **Introduction**

The NHD is a framework data layer that has applications for many agencies interested in hydrologic applications. While the high resolution NHD has some event data attached, there are many other themes that could be useful in hydrologic applications. Some of these themes are federal and state protected rivers, minimum streamflow filings, stream channel alteration sites, presence and absence of aquatic species, restoration projects and water quality data. While water quality data is present in the NHDplus, they are currently not present in the high resolution NHD.

## **Benefits to the USGS and NHD Community**

- Creation of event tables will bring in new users to the NHD and bring forth new applications.
- Other States will be able to use this survey to assess the need of additional event tables and to identify additional users of the NHD within their jurisdictions.

## **Proposed work and deliverables**

- The Idaho Department of Water Resources (IDWR) will survey agencies within the state of Idaho to gather information about event data though out the state. This survey will be via e-mail through Idaho's GIS listserv and also through a questionnaire through Idaho's NHD website. We will also contact via phone the gis manager for the major state agencies that use hydrography – Department of Lands, Agriculture, Fish and Game, Environmental Quality and Transportation and survey which event themes agencies would like to develop in the future. The agencies may have data in GIS form that they would like to 'link' to the hydrography, data in non-gis form that they would like to link to nhd in the future, and data that they would like to develop in the future to link to the NHD.
- For a selected subbasin, IDWR will gather existing gis data from agencies that participated in this survey to create events and associated tables, linking the high resolution NHD with requested agency data.
- IDWR will write a report showing the agencies surveyed, describing the information received and the attributes needed.