

# Update NHD in IDWR Critical Areas

## Introduction

The management of natural resources is becoming increasingly important and complex. In Idaho, water resources management is critical to the State's agriculturally-based economy. Without adequate tools to plan and design water projects, planners and engineers have a more difficult task implementing water-related projects. In gaining public support for water related projects in Idaho, it is important to have accurate digital data and maps showing an accurate representation of existing hydrography. Accurate digital data provides hydrologists with base data that is needed for water modeling analysis.

In several areas where the current NHD does not match the existing hydrography, local hydrologists and data stewards have submitted changes to the NHD to the Idaho NHD Data Steward.

		
	Figure 1: Proposed update area.	

Table 1: Areas of Proposed Updates Illustrated in Figure 1	
Idaho Irrigation District	Falls Irrigation District (southern portion)
American Falls Reservoir District #2	Watson Canal Company
Eastern Idaho Water Company	Fremont Madison Irrigation District
Fort Hall	Progressive Irrigation District
Payette Hydrologic Unit	Clearwater National Forest

IDWR proposes to update the areas indicated in figure 1 and submit all changes to the USGS for implementation in the NHD. They will update these areas using NAIP imagery and submitted local data. At the completion of this project, quality control and additional input from the data contributors by providing those entities GIS data and or maps of the project area.

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

- Updated NHD in these areas where IDWR has been provided local data for input into the NHD.

### **Proposed work**

- Incorporate the changes submitted by local and federal agencies into the NHD.
- Submit updates to the USGS for inclusion into the NHD.

### **Deliverables**

- Updated NHD for project area.
- A short report describing how this project has been carried out as well as challenges that were encountered.