

Update the National Hydrography Database (NHD) in the Mud Lake Area

Introduction

The Mud Lake Water Users boundary lies primarily within subbasin 17040214, Beaver-Camas, Idaho, and is part of a newly-created IDWR Water District 110, effective April 17, 2006. This district encompasses parts of IDWR Administrative Basins 31 and 32 overlying the Eastern Snake Plain Aquifer. There are two small towns within the Mud Lake Water Users boundary; Terretton and Mud Lake. The primary creek in this subbasin is Camas Creek. This area is within the Eastern Snake Plain and overlays the Eastern Snake Plain Aquifer. With both surface water and groundwater users needing water as well as concerns with water supply to the aquifer, updated hydrography would allow for an accurate base for decision making. The HU has a mix of private and federal lands including the Camas National Wildlife Refuge and there have been recent discussions over water levels with water users. IDWR proposes to update areas within the Mud Lake area in Idaho, using NAIP imagery and any available historical maps and local data. With this project, additional input will be solicited from local irrigation companies and interested stakeholders.

Benefits to the USGS and the NHD Community

Updated NHD in this area is important to cities, irrigation companies, state agencies, and federal partners that manage water within this Hydrologic Unit.

Proposed Work

- Use the 2011 NAIP imagery and historical maps to revise existing NHD.
- Solicit input from local irrigation entities and local land managers for clarification on names, vertical alignment and connectivity.
- Incorporate data from local irrigation entities to update hydrography.

Deliverables

- Send new or updated names to GNIS.
- Submit updates to the USGS for inclusion into the NHD.
- Prepare a short report on the project.

Figure 1

