Update Spring Feature Class Based on IDWR Water Right Point of Diversion Data

Introduction

The Idaho Department of Water Resources (IDWR) is in the final stages of an extensive adjudication covering nearly two thirds of the state. During this adjudication, points of diversions (PODs) from springs were identified. As a result, the IDWR POD database contains a large number of identified springs.

Benefits to the USGS and NHD Community

- Springs provide and important link between surface water and ground water resources. A more complete spring dataset will improve surface water/ground water analysis and modeling.
- A better populated spring feature class can be used for water rights verification and correlation.
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Proposed work

- Query PODs within the water rights database where the source is spring or springs.
- Using NAIP imagery, verify identified spring location.
- For verified springs not currently in the NHD, use the GeoEdit Tools and/or HEM Tools and 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.