

NGGDPP Final Technical Report

Name of State Geologic Survey: Idaho Geological Survey

Award number: G11AP20181

Project Title: Data Preservation

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ABSTRACT

The Idaho Geological Survey successfully completed the National Geologic and Geophysical Data Preservation Program (NGGDPP) award number G11AP20181 administered by the U.S. Geological Survey. For FY 2011, the Idaho Geological Survey cataloged two collections of “at risk” data and generated metadata for the National Catalog of Geological and Geophysical Data. These collections are: (1) 343 donated mineral exploration files from the Frank Crowley Collection that were added to our Mineral Property Files; and (2) 754 oil and gas records from historic wells in Idaho. These records have been added to our oil and gas database and can be accessed from our website. Lastly, we migrated more data to the digital realm by scanning ten percent of our Mineral Property Files. In addition to generating metadata for the NGGDPP National Catalog and expanding our digital infrastructure, updated versions of two Idaho Geological Survey database publications will result from this work.

PRODUCTS/REPORTS

Work began August 1, 2011 and took one year to complete. The overall management of the project was under the direction of Reed Lewis.

The Mineral Property Files consist of consultants’ reports, maps, drill logs, and geophysical and geochemical results from over 2,600 mines or prospects in the state and are indexed in our searchable statewide Mines and Prospects database. The effort for FY2011 added 343 donated files to the collection and appropriate metadata was derived. Susan Jones, Victoria Mitchell, and Virginia Gillerman completed this part of the project. A pilot scanning project of 10 percent of the collection (about 5 cubic feet of material) was successfully completed by Sherry Pixley.

For the Mineral Property Files (Frank Crowley Collection), the metadata delivered were:

1. The collection identification number.
2. The mine location number, which is a unique number for each site in the Mines and Prospects Database.
3. The latitude and longitude of the mine, corrected to 1:24,000 by comparison to the best available reference.
4. The name of the mine.
5. An explanation of what the site locations are and the information related to each site number.

6. The web address of the Mines and Prospects Database.

A total of 171 oil and gas wells have been drilled in Idaho and there is current exploration activity in the western part of the state. In June 2009, the entire oil and gas well log collection from the Idaho Department of Lands was moved to the Idaho Survey. FY2009 NNGDPP funding was used to index the logs and FY2010 NNGDPP funding and other outside funding was used to scan all remaining logs. Our effort for NNGDPP FY2011 was to create a well database and on-line posting of the scanned images. These records have been incorporated into our oil and gas database and can be accessed via our website (www.idahogeology.org). Dean Garwood headed this part of the project and he was assisted by James Cash.

For the Oil and Gas well log collection, the metadata delivered were:

1. The collection identification number.
2. The well number, which is a unique number for each well log in our well log index and is based on year drilled and number of wells drilled that year.
3. The latitude and longitude of the well.
4. The name of the well.
5. Well log type.
6. An explanation of what the site locations are and the information related to each site number.
7. The web address of the data set.
8. The date of this revision to the data set.

All of the above metadata were provided to the National Catalog in flat files (*.csv file).