

NGGDPP Final Technical Report

Name of State Geologic Survey: Idaho Geological Survey

Award number: G09AP00085

Project Title: Data Preservation

Principal Investigator: Reed Lewis
Idaho Geological Survey
P.O. Box 443014
University of Idaho
Moscow, Idaho 83844-3014
Phone: (208) 885-7472
FAX: (208) 885-5826
reedl@uidaho.edu

Amount Funded: \$22,908

Start Date: July 1, 2009

End Date: June 30, 2010

Submittal date of Technical Report: September 17, 2010

Final Technical Report
Idaho Geological Survey

Reed S. Lewis
September 17, 2010

ABSTRACT

The Idaho Geological Survey successfully completed the National Geologic and Geophysical Data Preservation Program (NGGDPP) award number G09AP00085 administered by the U.S. Geological Survey. For FY 2009 the Idaho Geological Survey obtained metadata for two large collections of “at risk” data: (1) over 600 unpublished mining-related maps and (2) oil and gas well logs for most of the 147 wells that have been drilled in Idaho. The mine maps were indexed to the Idaho Survey Mines and Prospects database for which accurate location information was derived with 2008 NGGDPP funding. An Oil and Gas Index was created by compiling well location information, depth, API number, as well as the type of existing well log data. A subset of the well logs was scanned to establish protocol for eventual inclusion as downloadable .tiff files on the Idaho Survey website. The products are flat files containing metadata for populating the National Catalog. Two Idaho Geological Survey digital publications will also result from this work and be posted on our website in late 2010.

PRODUCTS/REPORTS

Work began July 1, 2009 and took one year to complete. The overall management of the project was under the direction of Reed Lewis and Virginia Gillerman was a co-PI. Loudon Stanford coordinated website and database work. Victoria Mitchell created the mine map index and Dean Garwood created the oil and gas well index. Sherry Pixley assisted with organizing and scanning documents.

IGS MINE MAP COLLECTION

Our collection of flat maps totaled 618. These were measured, described, and indexed to the IGS Mines and Prospects database. An additional off-site collection of rolled maps is still in the process of being flattened and readied for indexing. For the set of 618 mine maps, the National Catalog Metadata Products delivered are:

1. The collection identification number.
2. The mine location number, which is a unique number for each site in the Mines and Prospects Database. This number does not change, and if a site is for some reason deleted, the number is not reassigned.
3. The Map Identification Number and a description of the map itself.
4. The latitude and longitude of the mine, as determined by the best available reference.

5. The name of the mine.

The above metadata were provided to the National Catalog in a flat file (*.csv file).

OIL AND GAS WELL LOG COLLECTION

As of June, 2009, the IGS is the sole state agency archiving oil and gas logs. Prior to obtaining the paper logs we only had a microfiche collection and a limited number of paper logs. For this project we constructed a digital index and checked each well for correct latitude and longitude. The National Catalog Metadata Products delivered are:

1. The collection identification number.
2. The unique site number for the well.
3. The latitude and the longitude of the site.
4. The total depth of the well.
5. The name of the well.
6. The operator and name of the company that drilled the well.
7. The status of well.
8. API number

The above metadata were provided to the National Catalog in a flat file (*.csv file).

Two Idaho Geological Survey publications will result the project:

1. A revised Mines and Prospects Database (an updated version of our Digital Data Series 1 publication) with a new table listing the maps in our Mine Map Collection. Estimated posting 12/2010.
2. An Index of Oil and Gas Wells in Idaho (to be released as a downloadable Excel file in our Digital Data series). Estimated posting 11/2010.