

U-Pb Zircon Geochronology Results for the Antimony, Phonolite Hill, and Rex Reservoir Quadrangles, Utah

by

GeoSep Services and Utah Geological Survey

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Gary R. Herbert, Governor

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Brian C. Steed, Executive Director

UTAH GEOLOGICAL SURVEY

R. William Keach II, Director

PUBLICATIONS

contact

Natural Resources Map & Bookstore

1594 W. North Temple

Salt Lake City, UT 84116

telephone: 801-537-3320

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email: geostore@utah.gov

UTAH GEOLOGICAL SURVEY

contact

1594 W. North Temple, Suite 3110

Salt Lake City, UT 84116

telephone: 801-537-3300

website: geology.utah.gov

INTRODUCTION

This Open-File Report makes available raw analytical data from laboratory procedures completed to determine the age of rock samples collected during geologic investigations funded or partially supported by the Utah Geological Survey (UGS) and the U.S. Geological Survey National Cooperative Geologic Mapping Program (STATEMAP). The references listed in table 1 provide additional information such as sample location, geologic setting, and significance or interpretation of the samples in the context of the area where they were collected. The data were prepared by Paul O'Sullivan, Principal Manager with GeoSep Services, Moscow, Idaho, under contract to the UGS. These data are highly technical in nature and proper interpretation requires considerable training in the applicable geochronologic techniques.

The analytical data can be accessed electronically as Excel documents attached to the PDF file of this report and available at https://ugspub.nr.utah.gov/publications/open_file_reports/ofr-704/ofr-704.zip.

Table 1. Sample numbers and locations.

Sample #	7.5' quadrangle	Northing WGS84	Easting WGS84	Reference
A030218-1	Antimony	4213819	414456	Biek and others (2015)
PH081317-1	Phonolite Hill	4227828	402402	Rowley and others (2005)
RR121317-1	Rex Reservoir	4294659	426705	Doelling and others (in prep.)

DISCLAIMER

This open-file release is intended as a data repository for information gathered in support of various UGS projects. The data are presented as received from GeoSep Services and do not necessarily conform to UGS technical, editorial, or policy standards; this should be considered by an individual or group planning to take action based on the contents of this report. The Utah Department of Natural Resources, Utah Geological Survey, makes no warranty, expressed or implied, regarding the suitability of this product for a particular use. The Utah Department of Natural Resources, Utah Geological Survey, shall not be liable under any circumstances for any direct, indirect, special, incidental, or consequential damages with respect to claims by users of this product.

The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

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