

U-Pb Detrital Zircon Geochronology Results for the Salt Lake City North Quadrangle, Utah

by

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INTRODUCTION

This open-file report makes available raw analytical data from laboratory procedures completed to determine the age of rock samples collected during geologic mapping funded or supported by the U.S. Geological Survey (USGS) National Cooperative Geologic Mapping Program and the Utah Geological Survey (UGS). The reference listed in table 1 contains additional general information such as location, geologic setting, and significance or interpretation of the samples in the context of the area where they were collected. The report was prepared by Apatite to Zircon, Inc., under contract to the UGS. These data are highly technical in nature and proper interpretation requires considerable training in the applicable geochronologic techniques.

The data and methods can be accessed electronically as an attachment to the PDF file of this report and are available at http://ugspub.nr.utah.gov/publications/open_file_reports/ofr-657/ofr-657.zip.

Table 1. Sample numbers and location.

Sample	Map Unit	Unit Name	Reference	Latitude (N)	Longitude (W)
SLCN2014-285	Tt	Tuffaceous deposits	McKean, in preparation	40.80836	111.90011
SLCN2014-286	Tt	Tuffaceous deposits	McKean, in preparation	40.80699	111.90264
SLCN2014-287	Tc ₂	Upper conglomerate	McKean, in preparation	40.80721	111.87866

Notes:

Location data based on NAD83.

All samples are in the Salt Lake City North quadrangle.

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 Apatite to Zircon, Inc., 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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REFERENCES

McKean, A.P., in preparation, Interim geologic map of the Salt Lake City North quadrangle, Salt Lake and Davis Counties, Utah: Utah Geological Survey Open-File Report, scale 1:24,000.