



2016 UTAH EARTHQUAKE WORKING GROUP MEETINGS UTAH LIQUEFACTION ADVISORY GROUP SUMMARY

Monday, February 8, 2016

Utah Department of Natural Resources Building, Room 2000 (2nd floor)
1594 West North Temple, Salt Lake City, Utah

WELCOME AND INTRODUCTION

The meeting commenced at 8:40 a.m. with eight attendees. After brief introductory remarks, Jessica Castleton and David Simon led a discussion by the Utah Liquefaction Advisory Group (ULAG) members regarding current mapping, future mapping possibilities, and plans for future investigations and research.

ULAG 2017 PLANNING AND PRIORITIES

The working group identified five priorities for 2017:

- Review and publication of liquefaction hazard maps for Salt Lake and Utah Counties — The working group agreed that the highest priority is to get the liquefaction hazard maps developed by Steve Bartlett, University of Utah for Salt Lake County, and Kevin Franke, Brigham Young University for Utah County, into review and published. It was decided that more discussion is needed between the universities to reach a consensus on the type of data shown and the role the maps play in the ordinance process.
- Cone Penetration Testing (CPT) along 400 South, Salt Lake City — A proposal for CPT testing along 400 South of approximately \$15,000 to \$20,000, in conjunction with Applied Geotechnical Engineering Consultants, Inc. was discussed.
- Paleo-liquefaction and implications for future liquefaction hazard — Preparation of a paleo-liquefaction proposal to be submitted to U.S. Geological Survey, Earthquake Hazards Program, 2016 External Research Support (National Earthquake Hazards Reduction Program) was discussed. A paleo-liquefaction investigation would allow for verification of liquefaction susceptibility.
- Expand the focus of the working group to include other geologic hazards — Discussion centered on an expansion of the focus of the liquefaction working group to address other geologic hazards and geologic hazard ordinance issues. Additional funding opportunities associated with this expansion, and its benefit to working group momentum, were also discussed.
- Formation of a data standardization committee to formalize data standards and formats for geotechnical datasets. Form a multiagency committee to discuss collaboration and funding options for determining geotechnical database format and attribute standardization.

WORKING GROUP PRODUCTS

Past ULAG meeting agendas, speaker presentations, and meeting summaries are available on the ULAG web page at <http://geology.utah.gov/hazards/earthquakes-faults/utah-earthquake-working-groups/liquefaction-advisory-group/>. Many of the liquefaction investigations that developed out of the ULAG meetings are available at <http://www.civil.utah.edu/~bartlett/ULAG/>.

MEETING ATTENDANCE

Working Group Members

Jessica Castleton	Utah Geological Survey (UGS ULAG Liaison)
Jim Higbee	Utah Department of Transportation
David Simon	Simon Associates

Guests

Peter Doumit	Intermountain GeoEnvironmental Services, Inc.
Jasmyn Harper	Utah Valley University
Emily Kleber	Utah Geological Survey
Trent Parkhill	Kleinfelder, Inc.
Robert Snow	AECOM
Tim Stahl	University of Michigan