

AGENDA

QUATERNARY FAULT PARAMETERS WORKING GROUP

Wednesday, February 13, 2008

Utah Department of Natural Resources Building, Room 1060
1594 West North Temple, Salt Lake City

- 7:30 Continental breakfast**
- 8:00 Introduction, overview of meeting, review of last year's activities
- 8:20 Technical presentations of work completed or in progress
8:20 – Nephi segment, Willow Creek trenching results; Tony Crone, USGS
8:40 – Nephi segment, Spring Lake trenching update; Danny Horns, UVSC
9:00 – Weber segment, Rice Creek trenching results; Chris DuRoss, UGS
9:20 – East Cache fault zone trenching update; Stephanie Davi, USU
9:40 – East Canyon and Main Canyon fault trenching results; Larry Anderson, USBR
- 10:00 Break**
- 10:20 Technical presentations of work completed or in progress
10:20 – Washington fault reconnaissance; Tyler Knudsen, UGS
10:40 – Upcoming Brigham City trenching; Greg McDonald, UGS
11:00 – Vertical displacement on the central segments of the Wasatch fault zone; Chris DuRoss, UGS
11:20 – Update on EarthScope/Lidar studies in Utah; Robert Smith, UofU
11:40 – New GPS data for the Wasatch and ideas on fault segment scale; Robert Smith, UofU.
- 12:00 Lunch**
- 1:00 Technical discussion items
1:00 – Levan segment slip-rate estimate; Mike Hylland, UGS
1:15 – Nephi segment slip-rate and recurrence-interval estimates; Chris DuRoss, UGS/Tony Crone, USGS
1:45 – UQFPWG fault priorities for 2009 (see below for last year's priority list)
2007 Priority A Faults (listed alphabetically)
•Brigham City segment, Wasatch fault zone – timing of MRE
Carrington fault (Great Salt Lake)
Provo segment, Wasatch fault zone – timing of the PE
Rozelle section, northern Great Salt Lake fault
Utah Lake faults and folds
West Valley fault zone
- 2:15 Break**
- 2:45 Technical discussion items

2:45 – Wasatch Front Community Fault Model; Mark Petersen, USGS, Bill Lund, UGS

- What is a CFM and what is it used for?
- Do we need a CFM for the Wasatch Front?
- Do we have the data to construct a WFCFM?
- If not, what new data do we need and how do we acquire it?
- If we need it and have/get the data, who should build and maintain it?

3:45 – Time dependent earthquake models – is the Wasatch fault a candidate?
Susan Olig, URS Corp., Kathy Haller, USGS

4:45 Adjourn

2007 UQFPWG priority list of Utah Quaternary faults/fault sections requiring additional paleoseismic study to adequately characterize Utah's earthquake hazard.

Priority A – First Priority (listed alphabetically)
• Brigham City segment, Wasatch fault zone – timing of most recent event
• Carrington fault (Great Salt Lake)
• Provo segment, Wasatch fault zone – timing of penultimate event
• Rozelle section, northern Great Salt Lake fault
• Utah Lake faults and folds
• West Valley fault zone
Priority B – Second Priority (listed alphabetically)
• Bear River fault zone
• Cedar City-Parowan monocline/Paragonah fault
• Clarkston fault
• Eastern Bear Lake fault
• Enoch graben
• Faults beneath Bear Lake
• Gunnison fault
• Hurricane fault zone (Cedar City section)
• Levan segment, Wasatch fault zone – trench
• Scipio Valley faults
• Wasatch Range back-valley faults
Priority C (study in progress; need for further investigation to be determined)
• East Cache fault, southern section
• Nephi segment, Wasatch fault zone
• Promontory section, Great Salt Lake fault zone
• Sevier/Toroweap fault
• Washington fault
• Weber segment, Wasatch fault zone