

Annual SCEC Report - 2008

SoSAFE: Confirming and extending the event record at Hog Lake, San Jacinto fault

Thomas Rockwell, Gordon Seitz

We proposed to re-excavate the Hog Lake site with two primary goals: 1) to search for evidence of missing events in the part of the section that we have already worked (or in other words, to confirm that we are not missing events); and 2) to go deeper to try to extend the record back to over 5,000 years. Our intention had been to conduct this work in the summer of 2008, but early in the field season, the Cahuilla tribe asked us to postpone our work as they were applying for a wetlands restoration grant with the Army Corp of Engineers. They asked that we wait until the following year when all work could be done at the same time, so until the summer of 2009. We have been in contact with the tribe from time to time and that schedule appears to be holding, although the precise timing is not certain.

As a consequence of the postponement, we requested a one-year extension from both the USGS and SCEC and did not spend any of the SCEC-allocated funds as yet. The current plan is to occupy the site in July and August during the dry season, completing the work before the SCEC Annual Meeting. In the interim, we have completed new mosaics of all of the exposures from 2002 and 2004 and transferred all logging onto these new rectified mosaics (the original mosaics were done quickly to provide a base on which to field-log the exposures). We are completing a catalog of evidence for all events from all exposures that we will use when the new trenches are opened.