PUBLICATIONS OF THE WESTERN EARTH SURFACE PROCESSES TEAM 2005

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INTRODUCTION

The Western Earth Surface Processes Team (WESPT) of the U.S. Geological Survey (USGS) conducts geologic mapping, earth-surface process investigations, and related topical earth science studies in the western United States. This work is focused on areas where modern geologic maps and associated earth-science data are needed to address key societal and environmental issues such as ground-water quality, landslides and other potential geologic hazards, and land-use decisions. Areas of primary emphasis in 2005 included southern California, the San Francisco Bay region, the Mojave Desert, the Colorado Plateau region of northern Arizona, and the Pacific Northwest. The team has its headquarters in Menlo Park, California, and maintains smaller field offices at several other locations in the western United States.

The results of research conducted by the WESPT are released to the public as a variety of databases, maps, text reports, and abstracts, both through the internal publication system of the USGS and in diverse external publications such as scientific journals and books. This report lists publications of the WESPT released in 2005 as well as additional 2002, 2003, and 2004 publications that were not included in the previous lists (USGS Open-File Reports 03-363, 2004-1267, 2005-1362). Most of the publications listed were authored or coauthored by WESPT staff. The list also includes some publications authored by non-USGS cooperators with the WESPT, as well as some authored by USGS staff outside the WESPT in cooperation with WESPT projects.

Several of the publications listed are available on the World Wide Web; for these, URL addresses are provided. Many of these web publications are USGS Open-File reports that contain large digital databases of geologic map and related information.


Additional 2002 Publication

Additional 2003 Publications

Additional 2004 Publications
2005 Publications


Blakely, R.J., Hughes, J.F., Sherrod, B.L., and Wells, R.E., 2005, Hunting the Saddle Mountain fault zone in the Olympic Peninsula with airplane and canoe [abs.]: Eos, Transactions, American Geophysical Union, v. 86, no. 52 (supplement), p. F1438.


County, California [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 46.


Graybeal, F.T., Fleck, R.J., and Vikre, P.G., 2005, Multiple Laramide igneous and hydrothermal events in the Patagonia Mountains, Arizona [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 164


Jarboe, N.A., Coe, R.S., Glen, J.M.G., and Renne, P.R., 2005, Correlating the Steens (R0-N0) magnetic polarity reversal across the Oregon plateau [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 207.


Langenheim, V.E., and Grauch, V.J.S., 2005, Insights into geometry and evolution of extensional basins in the western U.S. from comparison of geologically and geophysically defined locations
of basin-bounding faults [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 495.


Pike, R.J., and Sobieszezyk, S., 2005, San Francisco Bay area debris flows localized by wind-driven precipitation [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 78.


Stone, P., Barth, A.P., and Wooden, J.L., 2005, U-Pb detrital zircon data from metasedimentary rocks at Black Mountain near Victorville, California—Implications for the age of early Mesozoic Fairview Valley Formation [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 86.


Tilden, J.E., Blakely, R.J., and Johnson, S.Y., 2005, Active deformation offshore southwestern San Juan Island, Washington: Implications for seismic hazard assessment [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 44.


Wells, R.E., Blakely, R.J., Dragert, H., Kao, H., MaLausland, W., and Malone, S., 2005, Coseismic slip and deep tremor in subduction zones and their relation to crustal structure revealed by gravity anomalies [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 44.


Wentworth, C.M., and Tinsley, J.C., 2005, Tectonic subsidence and cyclic Quaternary deposition controlled by climate variation, Santa Clara Valley, California [abs.]: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 5.


