

PUBLICATIONS OF THE WESTERN EARTH SURFACE PROCESSES TEAM 2001

Compiled by Charles Powell II¹ and R.W. Graymer¹

Open-File Report 02–269

2002

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government

U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

¹U.S. Geological Survey, 345 Middlefield Rd., Menlo Park, CA 94025.

INTRODUCTION

The Western Earth Surface Processes Team (WESPT) of the U.S. Geological Survey (USGS) conducts geologic mapping 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 2001 included southern California, the San Francisco Bay region, the Pacific Northwest, and the Las Vegas urban corridor. 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 2001 as well as additional 1999 and 2000 publications that were not included in the previous list (USGS Open-file Report 00-215 and USGS Open-file Report 01-198). 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.

Information on ordering USGS publications can be found on the World Wide Web at http://www.nmd.usgs.gov/esic/to_order.html, or by calling 1-800-HELP-MAP. The U.S. Geological Survey's web server for geologic information in the western United States is located at http://geology.wr.usgs.gov. More information is available about the WESPT is available on-line at http://geology.wr.usgs.gov/wgmt.

ADDITIONAL 1999 PUBLICATIONS

- Fridrich, C.J., Minor, S.A., Ryder, P.L., Slate, J.L., Warren, RG., Hildenbrand, T.G., Sawyer, D.A., Orkild, P.P., 1999, Geologic map of the Oasis Valley Basin and vicinity, Nye County, Nevada: U.S. Geological Survey Open-file Report 99-533B, 43 p.
- Greninger, M.L., Klemperer, S. L., Nokleberg, W.J., Aitken, D.S., Bennett, B.S., Brennan, K.L., Buhmann, R.W., Byalobzhesky, S.G., Gordey, S.P., Hansen, R. A., Hearn, P.P., Jr., Hildenbrand, T.G., Hittelman, A.M., Journeay, J.M., Khanchuk, A.I., Khlebnikov, B., Mathieux, D.P., Monger, J.W.H., Natalin, B.A., Parfenov, L.M., Saltus, R.W., Sandwell, D.T., Simkin, T., Ulmishek, G., Wilson, F.H., Diggles, M. F., 1999, Geographic information systems (GIS) compilation of geophysical, geologic, and tectonic data for the Circum-North Pacific: U.S. Geological Survey Open-file Report 99-0422, (1 CD disc), http://geopubs.wr.usgs.gov/open-file/of99-422.
- Slate, J.L., Berry, M.E., Rowley, P.D., Fridrich, C.J., Morgan, K.S., Workman, J.B., Young, O.D., Dixon, G.L., Williams, V.S., McKee, E.H., Ponce, D.A., Hildenbrand, T.G., Swadley, W. C., Lundstrom, S.C., Ekren, E.B., Warren, R.G., Cole, J.C., Fleck, R.J., Lanphere, M.A., Sawyer, D.A., Grunwald, D.J., Laczniak, R.J., Menges, C.M., Yount, J.C., Jayko, A.S., 1999, Digital geologic map of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark counties, Nevada, and Inyo County, California, revision 4: U.S. Geological Survey Openfile Report 99-554-A, scale 1:120,000.

ADDITIONAL 2000 PUBLICATIONS

- Blakely, R.J., Langenheim, V.E., and Ponce, D.A., 2000, Summary of geophysical investigations of the Death Valley regional water-flow modeling project, Nevada and California: U.S. Geological Survey Open-file Report 00-189, 31 p., 2 plates. http://geopubs.wr.usgs.gov/open-file/of00-189.
- Brocher, T.M., Blakely, R.J., Fisher, M.A., Wells, R.E., and Christensen, N.I., 2000, Evidence for the Tacoma fault in the Puget lowland, Washington: results from the 1998 seismic hazards investigation in Puget Sound (SHIPS) [abs.]: Eos, Transactions, American Geophysical Union, v. 81, no. 48, p. 871.
- Cox, B. F., and Hillhouse, J. W., 2000, Pliocene and Pleistocene evolution of the Mojave River, and associated tectonic development of the Transverse Ranges and Mojave Desert, based on

- borehole stratigraphy studies near Victorville, California: U.S. Geological Survey Openfile Report 00-147, 66 p.
- Fisher, M.A., Calvert, A.J., Parsons, T., Wells, R.E., Brocher, T.M., Weaver, C.S., and the SHIPS Working Group, 2000, Crustal structure from SHIPS seismic reflection data along a transect from the southern Puget lowland north to the San Juan Islands [abs.]: Eos, Transactions, American Geophysical Union, v. 81, no. 48, p. 878.
- Haeussler, P.J., Wells, R., Blakely, R.J., Murphy, J., and Wooden, J.L., 2000, Structure and timing of movement on the Seattle fault at Green and Gold Mountain, Kitsap Peninsula, Washington [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. A382.
- Haeussler, P.J., Bradley, D.C., Miller, M., and Wells, R., 2000, Life and death of the resurrection plate: evidence for an additional plate in the NE Pacific in Paleocene-Eocene time [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. A382.
- Kauahikaua, J., Hildenbrand, T., and Webring, M., 2000, Deep magmatic structures of Hawaiian volcanoes; imaged by three-dimensional gravity models: Geology, v. 28, no. 10, p. 883-886.
- Mankinen, E.A., 2000, Review of book "Geomagnetism. (Research: Past and Present)" edited by W. Schröder: Earth Science History, v. 19, no. 2, p. 219-220.
- Matti, J.C., Morton, D.M., Cox, B.F., Carson, S.E., and Yetter, T. J., 2000, Geologic map of the Yucaipa 7.5' quadrangle, San Bernardino and Riverside counties, California, v. 1.0: U.S. Geological Survey Open-file Report 00-451, scale 1:24,000.
- Matti, J.C., Morton, D.M., Cox, B.F., and Kendrick, K.J., 2000, Geologic database of the Redlands 7.5' quadrangle, San Bernardino and Riverside counties, California, version 1.0: U.S. Geological Survey Open-file Report 00-452, scale 1:24,000.
- Nelson, A.R., Johnson, S.Y., Pezzopane, S.K., Wells, R.E., Kelsey, H.M., Sherrod, B.I., Koehler, R.D., III, Bradley, L-A., Bucknam, R.C., Laprade, W.T., Cox, J.W., and Narwold, C.F., 2000, Postglacial and late Holocene earthquakes on the Toe Jam Strand of the Seattle fault, Bainbridge Island, Washington [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 6, p. A58.

2001 PUBLICATIONS

- Aiello, I.W. and Hagstrum, J.T., 2001, Paleomegnetism and paleogeography of Jurassic radiolarian cherts from the northern Apennines of Italy: Geological Society of America Bulletin, v. 113, no. 4, p. 469-481.
- Barron, J.A., and Isaacs, C.M., 2001, Updated chronostratigraphic framework for the California Miocene, chapter 22 *of* Isaacs, C.M., and Rullkötter, J., eds., The Monterey Formation—from rocks to molecules: New York, Columbia University Press, p. 393-395.
- Bedford, D.R., 2001, Characterization of granitic alluvial faunas in the Kelso area, east Mojave Desert, California [abs.], *in* Reynolds, R.E., ed., The changing face of the east Mojave Desert: California State University, Desert Studies Consortium, p. 69-70.
- Billingsley, G. H., 2001, Erosion of the Grand Canyon, *in* Mathez, E.A., ed., Earth: inside and out, section four, how do scientists read the rocks? The New Press, New York, American Museum of Natural History Book, p. 118-123.
- Billingsley, G.H., and Hampton, H.M., 2001, Geologic map of the House Rock Springs quadrangle, Cocconino County, Arizona: U.S. Geological Survey Miscellaneous Field Studies MF–2367, 17 p., scale 1:24,000, http://geopubs.wr.usgs.gov/map-mf/mf2367/.
- Billingsley, G.H., and Wellmeyer, J.L., 2001, Geologic map of the Cane quadrangle, Coconino County, northern Arizona: U.S. Geological Survey Miscellaneous Field Studies MF–2366, 14 p., scale 1:24,000, http://geopubs.wr.usgs.gov/map-mf/mf2366/.
- Billingsley, G.H., Hamblin, K.W., Wellmeyer, J.L., and Welch, S., 2001, Geologic map of part of the Uinkaret Volcanic Field, Mohave County, northwestern Arizona: U.S. Geological Survey Miscellaneous Field Studies MF–2368, 34 p., scale 1:31,680, http://geopubs.wr.usgs.gov/map-mf/mf2368/.
- Billingsley, G.H., Wellmeyer, J.L., and Block, D.L., 2001, Geologic map of the House Rock quadrangle, Coconino County, northern Arizona: U.S. Geological Survey Miscellaneous Field Studies MF–2364, 17 p., scale 1:24,000, http://geopubs.wr.usgs.gov/map-mf/mf2364/.
- Bird, K.J., 2001, The National Petroleum Reserve-Alaska (NPRA) data archive: U.S. Geological Survey Fact Sheet FS-024-01, 2 p., http://pubs.usgs.gov/factsheet/fs024-01/.

- Bird, K. J., 2001, Framework geology, petroleum systems, and play concepts of the National Petroleum Reserve-Alaska, *in* D. W. Houseknecht, ed., NPRA Core Workshop; Petroleum Plays and Systems in the National Petroleum Reserve—Alaska: SEPM Core Workshop No. 21, p. 5-17.
- Bird, K.J., 2001, Petroleum potential of Arctic Alaska [abs.]: American Association of Petroleum Geologists Regional International Conference, St. Petersburg, Russia, Abstracts with Program, p. P1-P3.
- Bird, K.J., and Houseknecht, D.W., 2001, Arctic National Wildlife Refuge, 1002 Area, Petroleum Assessment, 1998 including economic analysis: U.S. Geological Survey Fact Sheet FS-028-01, 6 p., http://greenwood.cr.usgs.gov/pubs/fact-sheets/fs-0028-01/.
- Bird, K.J., Kumar, N., Taylor, D.J., 2001, Seismic-based regional geologic transects across the National Petroleum Reserve-Alaska [abs.]: American Association of Petroleum Geologists annual meeting 2001: An energy odyssey, v. 10, p. A19.
- Blakely, R.J., Madin, I.P., Stephenson, W.J., and Popowski, T., 2001, The Canby-Molalla fault, Oregon [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F856.
- Blakely, R.J., and Howell, D., 2001, How humor can be a tool in science and scientific management [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 6, p. A455.
- Blakely, R.J., and Ponce, D.A., 2001, Depth to basement map of the Death Valley groundwater model area, Nevada and California: U.S. Geological Survey Miscellaneous Field Studies Map MF-2381-E, scale 1:250,000.
- Blakely, R.J., Wells, R.E., Weaver, C.S., and Meagher, K.L., 2001, Cascadia earthquakes and forearc blocks: [abs.]. Seismological Research Letters, v. 72, no. 2, p. 238.
- Booth, D.B., Wells, R.E., Givler, R., DuRoss, C., Blakely, R.J., Meeks, E., Ebel, K., Fryer, J., Troost, K., Booth, R., Barnett, E., Crider, J., and Gregorie, P., 2001, Chimney damage patterns in the greater Seattle area from the Nisqually earthquake of February 28, 2001 [abs.]: Seismological Research Letters, v. 72, no. 2, p. 295.
- Brabb, E.E., and Prothero, D.R., 2001, Magnetic stratigraphy of the lower-middle Eocene Vacaville Shale (type Ulatisian Stage), Solano County, California [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A52.

- Brabb, E.E., Powell, II, C.L., and Brocher, T.M., 2001, Preliminary compilation of data from selected oil test wells in central California: U.S. Geological Survey Open-File Report 01-152, 310 p., http://geopubs.wr.usgs.gov/open-file/of01-152/.
- Brocher, T.M., Parsons, T., Blakely, R.A., Christensen, N.I., Fisher, M.A., Wells, R.E., and the SHIPS Working Group, 2001, Upper crustal structure in Puget Lowland, Washington: results from the 1998 Seismic Hazards Investigation in Puget Sound: Journal of Geophysical Research, v. 106, no. 7, p. 13541-13564.
- Brocher, T.M., Parsons, T., Blakely, R.J., Wells, R.E., Fisher, M.A., and the SHIPS Working Group, 2001, New insights on crustal faults in the Puget lowland, Washington from the SHIPS, gravity, and aeromagnetic surveys [abs.]: Seismological Research Letters, v. 72, no. 2, p. 238.
- Chin, J.L., and Graymer, R.W., 2001, Regional setting, *in* Karl, H.A., Chin, J.L., Ueber, Edward, Stauffer, P.H., and Hendley, J.W., II, Beyond the Golden Gate—oceanography, geology, biology, and environmental issues in the Gulf of the Farallones: U.S. Geological Survey Circular 1198, p. 12-15.
- Ehman, K.D., Ponti, D.J., Clifton, H.E., Edwards, B.D., Fleck, R.J., Hillhouse, J.W., Mahan, S.A., McDougall, K., Powell, C.L., II, and Tinsley, J.C., III, 2001, Quaternary stratigraphy and hydrostratigraphy of the Long Beach area, southwest Los Angeles Basin, CA [abs.]: Geological Society of American Abstracts with Program, v. 33, no. 3, p. A77.
- Evarts, R.C., 2001, Geologic map of the Silver Lake quadrangle, Cowlitz County, Washington: U.S. Geological Survey Miscellaneous Field Studies MF–2371, 37 p., scale 1:24,000, http://geopubs.wr.usgs.gov/map-mf/mf2371/
- Fitzgibbon, T.T., Phelps, G.A., and Jachens, R.C., 2001, GIS tools for the construction of 3D geologic models [abs.]: Geological Society of American Abstracts with Program, v. 33, no. 3, p. A40.
- Frankel, K.L., Jayko, A.S., and Glazner, A.F., 2001, Characteristics of Holocene fault scarp morphology, southern part of the central Death Valley fault zone, *in* Machette, M.N., Johnson, M.L., and Slate, J.L., eds., Quaternary and late Pliocene geology of the Death Valley region: Recent observations on tectonics, stratigraphy, and lake cycles (guidebook for the 2001 Pacific cell-Friends of the Pleistocene fieldtrip): U.S. Geological Survey Open-file Report 01-51, p. M205-M213.

- Fridrich, C.J., Blakely, R.J., Workman, J.B., Thompson, R.A., and Langenheim, V.E., 2001, Integrated geophysical and geologic mapping of the Death Valley region, California and Nevada [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F1235.
- Givler, R.W., and Wells, R.E., 2001, Shaded-relief and color shaded-relief maps of the Willamette Valley, Oregon: U.S. Geological Survey Open-File Report 01-294, scale 1:125,000 and 1:250,000, http://geopubs.wr.usgs.gov/open-file/of01-294/.
- Glen, J.M.G., 2001, Regional faulting assoicated with the Alaska orocline [abs].: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F1203.
- Graymer, R.W., 2001, A geologic excursion in the East San Francisco Bay area, *in* Stoffer, P.W., and Gordon, L.C., eds., Geology and natural history of the San Francisco Bay area; a field-trip guidebook: U.S. Geological Survey Bulletin 2188, p. 33-60.
- Haeussler, P.J., Bradley, D.C., and Wells, R., Rowley, D.B., Miller, M., Otterman, A., and Labay, K., 2001, Life and death of the Resurrection Plate: evidence for an additional plate in the NE Pacific in Paleocene-Eocene time [abs]: Eos, Transactions, American Geophyscial Union, v. 82, no. 47, p. 1118.
- Hagstrum, J.T., 2001, Large deep-ocean impacts, sea-floor hiatuses, and apparent short term sea-level changes [abs.]: Eos, Transactions, American Geophyscial Union, v. 82, no. 47, p. F694-F695.
- Hereford, R. and Webb, R.H., 2001, Climate variation since 1900 in the Mojave Desert region affects geomorphic processes and raises issues for land management [abs.], in Reynolds, R.E., ed., The changing face of the east Mojave Desert: Fullerton, California State University, Desert Studies Consortium, p. 54-55.
- Hildenbrand, T.G., Berger, B.B., Jachens, R.C., and Ludington, S., 2001, Utility of magnetic and gravity data in evaluating regional controls for mineralization—examples from western United States, *in* Richards, J.P., and Tosdal, R.M., eds., Structural control on ore genesis: Reviews of Economic Geology, v. 14, p. 75-109.
- Hildenbrand, T.G., Davidson, J.G., Ponti, D.J., and Langenheim, V.E., 2001, Implications for the formation of the Hollywood Basin from gravity interpretation of the northern Los Angeles Basin, California: U.S. Geological Survey Open-File Report 01-394, 24 p.

- Hildenbrand, T.G., and Howard, K., 2001, US array science and crustal structures related to mineral deposit patterns in the Great Basin: EarthScope Workshop, making and breaking a continent: Snowbird, UT, Oct. 10-12, 2001, p. 39-41.
- Hildenbrand, T.G., Langenheim, V.E., and Jachens, R.C., 2001, Structures possibly related to the 1971 San Fernando and 1987 Whittier Narrows earthquakes based on the analysis of magentic and gravity data [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A63.
- Hildenbrand, T.G., Langenhiem, V.E., and Jachens, J.C., 2001, Utility of magnetic and gravity data in defining and characterizing blind thrusts in the Los Angeles, California, region [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F829.
- Hildenbrand, T.G., Ravat, D., and McBride, J.H., 2001, The Commerce geophysical lineament and its possible relation to Proterozoic igneous complexes and large earthquakes in the central Illinois Basin [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 4, p. 10.
- Hildenbrand, T.G., Stuart, W.D., and Talwani, P., 2001, Geologic structures related to New Madrid Earthquakes near Memphis, Tennessee, based on gravity and magnetic interprestations: Engineering Geology, v. 62, no. 1-3, p. 105-121.
- Howard, K.A., and Cox, B.F., 2001, Geologic strain partitioning in the eastern California Shear Zone: riding crustal waves in the Mojave Desert [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A73.
- Howard, K.A., Langenheim, V.E., Fuis, G.S., and Matti, J.C., 2001, Strain partitioning at a transpressional plate boundary: crustal and lithospheric underpinning of the southern California knot [abs]: EarthScope Workshop, making and breaking a continent: Snowbird, UT, Oct. 10-12, 2001, p. 225-229.
- Howell, D.G., Pike, R.J., Graymer, R.W., and Wieczorek, G.F., 2000, Landslides and cities—an unwanted partnership [abs.]: Eos, Transactions, American Geophyscial Union, v. 81, no. 19 (supplement), p. S13.
- Huber, N.K., 2001, Exotic boulders at Tioga Pass: Yosemite, v. 63, no. 2, p. 5-6.

- Isaacs, C. M., 2001, Depositional framework of the Monterey Formation, California, chapter 1 *of* Isaacs, C. M. and Rullkötter, Jürgen, eds., The Monterey Formation: from rocks to molecules: New York, NY, Columbia University Press, p. 1-30.
- Isaacs, C.M., 2001, Statistical evaluation of CMOG's interlaboratory data from the Cooperative Monterey Organic Geochemistry Study, chapter 26 *of* Isaacs, C.M., and Rullkötter, Jürgen, eds., The Monterey Formation—from rocks to molecules: New York, NY, Columbia University Press, p. 461-524.
- Isaacs, C. M. and Rullkötter, J., eds., 2001, The Monterey Formation—from rocks to molecules: New York, NY, Columbia University Press, 553 p.
- Isaacs, C.M., Pollastro, R.M., Barron, J.A., Ingle, J.C., Jr., Bukry, D., Dunbar, R.B., Keller, M.A., Tomson, J.H., and Lewan, M.D., 2001, Geologic and paleontologic features of rock samples in the Cooperative Monterey Organic Geochemistry Study, Naples Beach and Lions Head sections, California, chapter 21 *of* Isaacs, C.M., and Rullkötter, J., eds., The Monterey Formation—from rocks to molecules: New York, Columbia University Press, p. 373-392.
- Jachens, R.C., Wentworth, C.M., Gautier, D.L., and Pack, S., 2001, 3D geologic maps and visualization: A new approach to the geology of the Santa Clara (Silicon) Valley, California, *in* Soller, D.R., ed., Digital mapping techniques '01--workshop proceedings: U.S. Geological Survey Open-File Report 01-223, p. 13-23.
- Jachens, R.C., Wentworth, C.M., McLaughlin, R.J., Fitzgibbon, T.T., Phelps, G.A., Langenheim, V.E., and Graymer, R.W., 2001, 3-dimensional geologic map of the Santa Clara ("Silicon") Valley, California [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 3, p. A39.
- Jayko, A.S., Forester, R.M., Sharpe, S., and Smith, G.I., 2001, The last pluvial highstand in Panamint Valley, southeast California [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F788.
- Jayko, A.S., and Menges, C.M., 2001, A short note on developing digital methods for regional mapping of surficial basin deposits in arid regions using remote sensing and DEM data—example from central Death Valley, California, *in* Machette, M.N., Johnson, M.L., and Slate, J.L., eds., Quaternary and late Pliocene geology of the Death Valley region: Recent Observations on tectonics, stratigraphy, and lake cycles (guidebook for the 2001 Pacific cell-Friends of the Pleistocene fieldtrip): U.S. Geological Survey Open-file Report 01-51, p. I167-I172.

- Jayko, A.S., and Wells, R.E., 2001, Reconnaissance geologic map of the Dixonville 7.5' quadrangle, Oregon: U.S. Geological Survey Open-File Report 01-226, 10 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-226/.
- Jennings, C.W. (compiler), Strand, R.G., and Rogers, T.H., digital representation by Saucedo, G.J., Bedford, D.R., Raines, G.L., Miller, R.J., and Wentworth, C.M., 1977 (2000), GIS data for the geologic map of California, version 2.0: California Division of Mines and Geology, CD-ROM 2000-007.
- Keller, M.A. and Macquaker, J.H.S., 2001, High resolution analysis of petroleum source potential and lithofacies of Lower Cretaceous mudstone core (pebble shale unit and ?GRZ of Hue Shale), Mikkelsen Bay State #1 well, North Slope Alaska, *in* Houseknecht, D.W., ed., NPRA Core Workshop; Petroleum Plays and Systems in the National Petroleum Reserve Alaska: SEPM Core Workshop No. 21, p. 37-56.
- Keller, M. A., Macquaker, J.H.S., and Lillis, P.J., 2001, A high resolution study of petroleum source rock variation, Lower Cretaceous (Hauterivian and Barremian) of Mikkelsen Bay, North Slope, Alaska [abs.]: American Association of Petroleum Geologists annual meeting 2001: An energy odyssey, v. 10, p. A102-A103.
- Keller, M. A., Macquaker, J.H.S., and Lillis, P.J., 2001, A high resolution study of petroleum source rock variation, Lower Cretaceous (Hauterivian and Barremian) of Mikkelsen Bay, North Slope, Alaska: U.S. Geological Survey Open-File Report 01-480, 3 sheets, http://geopubs.wr.usgs.gov/open-file/of01-480/.
- Kistler, R.W., and Champion, D.E., 2001, Rb-Sr whole-rock and mineral ages, K-Ar, ⁴⁰Ar/³⁹Ar, and U-Pb mineral ages, and initial strontium, lead, neodymium, and oxygen isopotic compositions for granitic rocks from the Salinian composite terrane, California: U.S. Geological Survey Open-File Report 01-453, 84 p., http://geopubs.wr.usgs.gov/open-file/of01-453/.
- Kumar, N., K. J. Bird, P. H. Nelson, J. A. Grow, and K. R. Evans, 2001, A digital atlas of hydrocarbon accumulations within and adjacent to the National Petroleum Reserve-Alaska (NPRA) [abs.]: American Association of Petroleum Geologists annual meeting 2001: An energy odyssey, v. 10, p. A110.
- Langenheim, V.E., Bohannon, R.G., Glen, J.M., Jachens, R.C., Grow, J., Miller, J., Dixon, G.L., and Katzer, T.C., 2001, Basin configuration of the Virgin River Depression, Nevada, Utah, and Arizona: a geophysical view of deformation along the Colorado Plateau-Basin and

- Range transition zone, *in* The geologic transition, high plateaus to Great Basin—a symposium and field guide (the Mackin Volume): Utah Geological Association Publication, 30 (also Pacific Section AAPG Guidebook GB78), p. 205-225.
- Langenheim, V.E., Duval, J.S., Wirt, L., and Dewitt, E., 2001, High-resolution geophyscial data reveal geologic framework of the Verde River headwaters region, Arizona [abs.]: Verde watershed symposium on the State of the Watershed in 2001: Proceedings, May 17-29, 2001, Camp Verde, AZ, 2 unnumbered pages.
- Langenheim, V. E., Grow, J. A., Jachens, R. C., Dixon, G. L., and Miller, J., 2001, Geophysical constraints on the location and geometry of the Las Vegas Valley shear zone, Nevada: Tectonics, v. 20, no. 2, p. 189-209.
- Langenheim, V.E., Grow, J.A., Jachens, R.C., Dixon, G.L., Miller, J.J., Lundstrom, S.C., and Page, W.R., 2001, Basin configuration beneath Las Vegas Valley, Nevada: implications for seismic hazard evaluation: Proceedings, 36th annual symposium on engineering geology and geotechnical engineering, Luck, Jacobsen & Werle, eds., p. 755-764.
- Langenheim, V.E., and Hauksson, E., 2001, Comparison between crustal density and velocity variations in southern California: Geophyscial Research Letters, v. 28, no. 16, p. 3087-3090.
- Langenheim, V.E., Hauksson, E., and Fris, G.S., 2001, Depth constraints on crustal density variations by comparing isostatic gravity and velocity models in the Los Angeles Regional Seismic Experiment (LARSE) region, southern California [abs.]: Eos, Transactions, American Geophyscial Union, v. 82, no. 4, p. F805.
- Langenheim, V.E., Hildenbrand, T.G., Jachens, R.C., and Griscom, A., 2001, Geophysical setting of the San Fernando Basin, southern California: American Association of Petroleum Geologists Pacific Section Guidebook GB77, p. 37-54.
- Langenheim, V.E., Jachens, R.C., Hauksson, E., and Roberts, C.W., 2001, The Emerson Lake Body—a dense, magnetic knot within the eastern California shear zone [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A80.
- Langenheim, V.E., Jachens, R.C., Hildenbrand, T.G., Fuis, G.S., and Griscome, A., 2001, Structure of the San Fernando basin area, California, based on analysis of gravity and magnetic data [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A56.

- Langenheim, V.E., Miller, J.J., Page, W.R., and Grow, J.A., 2001, Thickness and geometry of Cenozoic deposits in California Wash area, Nevada, based on gravity and seismic-reflection data: U.S. Geological Survey Open-File Report 01-393, 25 p., http://geopubs.wr.usgs.gov/open-file/of01-393/.
- Lillis, P.G., Magoon, L.B., Stanley, R.G., McLaughlin, R.J., and Warden, A., 1999, Characterization of northern California petroleum by stable carbon isotopes [paper edition]: U.S. Geological Survey Open-File Report 99-164, 19 p., http://geopubs.wr.usgs.gov/open-file/of01-164/.
- McCulloh, T.H., and Beyer, L.A., 2001, East-trending Sespe-Vaqueros transition in the eastern Los Angeles Basin: structural implications [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 3, p. A36.
- McCulloh, T.H., Beyer, L.A., and Morin, R.W., 2001, Mountain Meadows Dacite: Oligocene intrusive complex that welds together the Los Angeles basin, northwestern Peninsular Ranges and central Transverse Ranges, California: U.S. Geological Survey Professional Paper 1649, 34 p.
- McLaughlin, R.J., Clark, J.C., Brabb, E.E., Helley, E.J., and Colon, C.J., 2001, Geologic maps and structure sections, southwestern Santa Clara Valley and southern Santa Cruz Mountains, Santa Clara and Santa Cruz Counties, California, U.S. Geological Survey Miscellaneous Field Studies Report MF–2373, scale 1:24,000, 13 p., http://geopubs.wr.usgs.gov/map-mf/mf2373/.
- Mclaughlin, R.J., And Jachens, R.C., 2001, Origin and significance of opposite-verging Neogene thrusting within the northern California transform margin northeast of the San Andreas fault [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F934-F935.
- McKee, E.H., Phelps, G.A., and Mankinen, E.A., 2001, The Silent Canyon Caldera—a three dimensional model as part of a Pahute Mesa-Oasis Valley hydrogeologic model: U.S. Geological Survey Open-File Report 01-297, 23 p., http://geopubs.wr.usgs.gov/open-file/of01-297/.
- Miller, D.M., Yount, J.C., and Mahan, S.A., 2001, Mid-Holocene debris-flow and late stand at Silurian Lake, Mojave Desert, CA [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A70.

- Miller, F.K., and Matti, J.C., 2001, Geologic map of Fifteenmile Valley 7.5' quadrangle, San Bernardino County, California: U.S. Geological Survey Open-File Report 91-132, 24 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-132/.
- Miller, F.K., and Matti, J.C., 2001, Geologic map of the San Bernardino north 7.5' quadrangle, San Bernardino County, California: U.S. Geological Survey Open-File Report 01-131, 22 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-131/.
- Montgomery, D.R., Schmidt, K.M., and Dietrich, W.E., 2001, Instrumental record of debris flow initiation during natural rainfall [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F410.
- Morton, D.M., 2001, Geologic map of the Steele Peak 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-449, scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-449/.
- Morton, D.M., and Cox, B.F., 2001, Geologic map of the Riverside east 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-452, scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-452/.
- Morton, D.M., and Cox, B.F., 2001, Geologic map of the Riverside west 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-451, scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-451/.
- Morton, D.M., and Hauser, R.M., 2001, A debris avalanche at Forest Falls, San Bernardino County, California, July 11, 1999: U.S. Geological Survey Open-File Report 01-146, 67 p., http://geopubs.wr.usgs.gov/open-file/of01-146/.
- Morton, D.M., and Matti, J.C., 2001, Digital geologic map of the Devore 7.5' quadrangle, San Bernardino County, California: U.S. Geological Survey Open-File Report 01-173, 26 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-173/.
- Morton, D.M., and Matti, J.C., 2001, Digital geologic map of the Lakeview 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-174, 26 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-174/.
- Morton, D.M., and Matti, J.C., 2001, Geologic map of the Cucamonga Peak 7.5' quadrangle, San Bernardino County, California: U.S. Geological Survey Open-File Report 01-311, 22 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-311/.

- Morton, D.M., and Matti, J.C., 2001, Geologic map of the Sunnymeade 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-450, scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-450/.
- Morton, D.M., and Weber, F.H., Jr., 2001, Geologic map of the Lake Mathews 7.5' quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 01-479, scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-479/.
- Morton, D.M., Woodburne, M.D., and Foster, J.H., 2001, Geologic map of the Telegraph Peak 7.5' quadrangle, San Bernardino County, California: U.S. Geological Survey Open-File Report 01-293, 21 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-293/.
- Oviatt, C.G., Miller, D.M., Zachary, C., and McGeehim, J.P., 2001, Refining the age of the lake transgression to the Gilbert shoreline in the Bonneville Basin [abs.]: Eos, Transactions, American Geophyscial Union, v. 82, no. 7, p. 755.
- Pike, R.J., 2001, Digital terrain modeling and industrial surface metrology—converging realms: The Professional Geographer, v. 53, no. 2, p. 263-274.
- Pike, R.J., 2001, Digital terrain modeling and industrial surface metrology converging crafts: International Journal of Machine Tools and Manufacture, v. 41, no. 13/14, p. 1881-1888.
- Pike, R.J., 2001, Geometric signatures experimental design, first results [abs.]: 5th International Conference on Geomorphology, Chuo University, Tokyo, Japan, August 2001; DEMs and Geomorphology, Geographic Information Systems Association (Japan) Special Publication, v. 1, p. 50-51; and Transactions, Japanese Geomorphological Union, v. 22, no. 4, p. C192.
- Pike, R.J., 2001, Scenes into numbers—facing the subjective in landform quantification, *in* Hoffman, R.R., and Markman, A.B., eds., Interpreting remote sensing imagery human factors: Boca Raton, FL, Lewis Publishers, CRC Press, p. 83-114.
- Pike, R.J., 2001, "Topographic fragments" of geomorphometry, GIS, and DEM's [abs.]: 5th International Conference on Geomorphology, Chuo University, Tokyo, Japan, August 2001; DEMs and Geomorphology, Geographic Information Systems Association (Japan) Special Publication, v. 1, p. 50-51.
- Pike, R.J., Graymer, R.W., Roberts, Sebastian, Kalman, N.B., and Sobieszczyk, Steven, 2001, Map and map database of susceptibility to slope failure by sliding and earthflow in the Oakland

- area, California: U.S. Geological Survey, Miscellaneous Investigations Series Map MF-2385, 37 p.; http://geopubs.wr.usgs.gov/map-mf/mf2385/.
- Pike, R.J., Graymer, R.W., Roberts, S., and Kalman, N.B., 2001, A simple GIS model for mapping regional landslide susceptibility [abs.]: 5th International Conference on Geomorphology, Chuo University, Tokyo, Japan, August 2001; DEMs and Geomorphology, Geographic Information Systems Association (Japan) Special Publication, v. 1, p. 30-31; and Transactions, Japanese Geomorphological Union, v. 22, no. 4, p. C193.
- Piper, D.Z., and Isaacs, C.M., 2001, The Monterey Formtion: bottom-water redox conditions and photic-zone primary productivity, chapter 2 *of* Isaacs, C.M., and Rullkötter, J., eds., The Monterey Formation—from rocks to molecules: New York, Columbia University Press, p. 31-58.
- Ponce, D.A., 2001, Principal facts for gravity stations along the Hayward fault and vicinity, San Francisco Bay area, northern California: U.S. Geological Survey Open-file Report 01-124, 25 p., http://geopubs.wr.usgs.gov/open-file/of01-124/.
- Ponce, D.A., Blakely, R.J., Morin, R.L., and Mankinen, E.A., 2001, Isostatic gravity map of the Death Valley groundwater model area, Nevada and California: U.S. Geological Survey Miscellaneous Field Studies Map MF-2381-C, scale 1:250,000.
- Ponce, D.A., and Blakely, R.J., 2001, Aeromagnetic map of the Death Valley groundwater model area, Nevada and California: U.S. Geological Survey Miscellaneous Field Studies Map MF-2381-D, scale 1:250,000.
- Powell, C.L., II, 2001, Paleontological notes on Tertiary rocks in the Spreckles 15' quadrangle, Monterey County, California. With description of an unusual faunule from the Monterey Formation and a new Lucinid bivalve from the Santa Margarita Formation: PaleoBios, v. 21, no. 2, p. 15-27.
- Powell, C.L., II, 2001, Geologic and molluscan evidence for a previously misunderstood late Pleistocene, cool water, open coast terrace deposit at Newport Bay, southern California: The Veliger, v. 44, no. 4, p. 340-347.
- Powell, C.L., II, and Allen, J.R., 2001, Invertebrate fossils from the Wilson Grove Formation (late Miocene late Pliocene), Sonoma County, northern California [abs.]: Program and Abstracts, North American Paleontological Convention 2001, PaleoBios, v. 21, supplement to no. 2, p. 105.

- Powell, C.L., II, Clifton, E., Edwards, B., McDougall, K., Ponti, D.J., Tinsley, J., and Walker, J., 2001, Quaternary framework of the Los Angeles Basin: sedimentary environments of the Long Beach area [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A77.
- Powell, C.L., II, Lajoie, K., Ponti, D.J., and Appel, S., 2001, Deadman Island revisited: the Quaternary of the Los Angeles basin based on molluscan faunas [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A54.
- Powell, C.L., II, and Stone, P., 2001, Publications of the Western Earth Surface Processes Team, 2000: U.S. Geological Survey Open-File Report 01-198, 13 p., http://geopubs.wr.usgs.gov/open-file/of01-198/.
- Powell, R.E., 2001, Geologic map and digital database of the Conejo Well 7.5 minute quadrangle, Riverside County, California, version 1.0: U.S. Geological Survey Open-File Report 01-31, 18 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-31/.
- Powell, R.E., Geologic map and digital database of the Porcupine Wash 7.5 minute quadrangle, Riverside County, California, version 1.0: U.S. Geological Survey Open-File Report 01-30, 18 p., scale 1:24,000, http://geopubs.wr.usgs.gov/open-file/of01-30/.
- Powell, R.E., 2001, Crystalline bedrock geology, faulting, and crustal architecture in the Larse region of the Transverse Ranges, southern California [abs.]: Eos, Transactions, AGU 2001 Fall Meeting Supplement, p. F829.
- Powell, R.E., 2001, Crystalline bedrock geology and crustal tectonics in the western Transverse Ranges, southern California [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A56.
- Quinn, J.P., Ponti, D.J., Hillhouse, J.W., Powell, C.L., II, McDougall, K., Sarna-Wojcicki, A.M., Barron, J.A., and Fleck, R.J., 2001, Quaternary deformation rates constrain blind fault activity, northern Los Angeles Basin, California [abs]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A69.
- Quinn, J.P., Ponti, D.J., Hillhouse, J.W., Powell, C.L., II, McDougall, K., Sarna-Wojcicki, A.M., Barron, J.A., and Fleck, R.J., 2001, Quaternary stratigraphy of the La Brea Plain, northern shelf of the Los Angeles Basin [abs.]: Geological Society of American Abstracts with Program, v. 33, no. 3, p. A77.

- Ravat, D., Hildenbrand, T.G., and McBride, J.H., 2001, Insight on the Commerce geophysical lineament (CGL) and Proterozoic igneous complexes in the eastern granite rhyolite province [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 6, p. A92.
- Rowen, E.L., Bird, K.J., Nelson, P.H., Hayba, D.G., 2001, Timing of source-rock maturation along two regional transects in the National Petroleum Reserve-Alaska (NPRA) [abs.]: American Association of Petroleum Geologists annual meeting 2001: An energy odyssey, v. 10, p. A174.
- Rullkötter, J., Isaacs, C.M., and the CMOGS Scientific Party, 2001, Compilation of geochemical data nad analytical methods: Cooperative Monterey Organic Geochemistry Study, chapter 25 *of* Isaacs, C.M., and Rullkötter, J., eds., The Monterey Formation—from rocks to molecules: New York, NY. Columbia University Press, p. 399-460.
- Ryan, H.F., Ross, S.L., and Graymer, R.W., 2001, Earthquakes, faults, and tectonics, *in* Karl, H.A., Chin, J.L., Ueber, Edward, Stauffer, P.H., and Hendley, J.W., II, Beyond the Golden Gate—Oceanography, geology, biology, and environmental issues in the Gulf of the Farallones: U.S. Geological Survey Circular 1198, p. 16-19
- Sarna-Wojcicki, A.M., Machette, M.N., Knott, J.R., Klinger, R.E., Fleck, R.J., Budahn, J.R., Tinsley, J.C., III, and Walker, J.P., 2001, Weaving a temporal and spatial framework for the late Neogene of Death Valley—correlation and dating of Pliocene and Quaternary units using tephrochronology, 40Ar/39Ar dating, and other dating methods, and interpretations of geologic history based on the chronology, *in* Machette, M.N., Johnson, M.L., and Slate, J.L., eds., Quaternary and late Pliocene geology of the Death Valley region: Recent Observations on tectonics, stratigraphy, and lake cycles (guidebook for the 2001 Pacific cell-Friends of the Pleistocene fieldtrip): U.S. Geological Survey Open-file Report 01-51, p. E121-E135.
- Schmidt, K. M., Roering, J. J., Stock, J. D., Dietrich, W. E., Montgomery, D. R., and Schaub, T., 2001, Root cohesion variability in susceptibility to shallow landsliding in the Oregon Coast Range: Canadian Geotechnical Journal, v. 38, no. 5, p. 995-1024.
- Schmidt, K.M., and Webb, R.H., 2001, Researchers consider U.S. southwest's response to warmer, drier climate [abs.]: Eos, Transactions, American Geophyscial Union, v. 82, no. 41, p. F475-F478.

- Sherrod, B.L., Haeussler, P.J., Wells, R., Troost, K., and Haugerud, R., 2001, Surface rupture in the Seattle fault zone near Bellevue, Washington [abs.]: Seismological Research Letters, v. 72, no. 2, p. 253.
- Stanley, R.G., 2001, Geologic constraints on the upper limits of reserve growth: U.S. Geological Survey Open-File Report 01-265, 6 p., http://geopubs.wr.usgs.gov/open-file/of01-265/.
- Stanley, R.G., and Lillis, P.G., 2001, Tectonic disruption of a Miocene petroleum system in coastal California [abs.]: Geological Society of America Abstracts with Program, v. 33, no. 3, p. A82.
- Stevens, C.H., Stone, Paul, Miller, R.B., Andersen, D.W., and Metz, Jenny, 2001, Emplacement of the Santa Rita Flat pluton as a pluton-scale saddle reef: Comment: Geology, v. 29, no. 12, p. 1157.
- Tennyson, M.E., and Isaacs, C.M., 2001, Geologic setting and petroleum geology of Santa Maria and Santa Barbara basins, coastal California, chapter 12 *of* Isaacs, C.M., and Rullkötter, J., eds., The Monterey Formation—from rocks to molecules: New York, Columbia University Press, p. 206-229.
- Vedder, J. G., and Stanley, R.G., 2001, Geologic map and digital database of the San Rafael Mtn. 7.5'-minute quadrangle, Santa Barbara County, California: U.S. Geological Survey Open-File Report 01-290, scale 1:24,000, 22 p., http://geopubs.wr.usgs.gov/open-file/of01-290/.
- Wang, Kelin, Wells, R. E., Mazzotti, S., Dragert, H., Hyndman, R. D., and Sagiya, T., 2001, Effective transition zone and revised 3-D dislocation model of interseismic deformation for the Cascadia subduction zone [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F255.
- Wells, R.E., and Johnson, S.Y., 2001, Deformation of western Washington resulting from northward migration of the Cascadia forearc: [abs.]. Seismological Research Letters, v. 72, no. 2, p. 237.
- Wells, R.E., and Simpson, R.W., 2001, Northward migration of the Cascadia forearc in the northwestern U.S. and implications for subduction deformation: Earth, Planets, and Space, v. 53, no. 4, p. 275-283.

- Wooley, R.J., and Langenheim, V.E., 2001, Gravity data along LARSE (Los Angeles Regional Seismic Experiment) Line 2, southern California: U.S. Geological Survey Open-File Report 01-375, 18 p., http://geopubs.wr.usgs.gov/open-file/of01-375/.
- Wooley, R.J., Langenheim, V.E., and Hildenbrand, T.G., 2001, Gravity and magnetic interpretations in the region of the LARSE II trasnverse, southern California [abs.]: Eos, Transactions, American Geophysical Union, v. 82, no. 47, p. F806.