

PUBLICATIONS: RA is a refereed journal article, B is a book, BC is a book chapter, FG is a field guide book, CP is a conference proceedings article, and RP is a research report.

1970

1. Keller, E. A. Bed-load movement experiments: Dry Creek, California. *Journal of Sedimentary Petrology* 40 (4): 1339-1344 (RA)

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2. Keller, E.A. Areal sorting of bed-load material: the hypothesis of velocity reversal. *Geol. Soc. Amer. Bull.* 82: 753-756. (RA)
3. Keller, E. A. Pools, riffles, and meanders: discussion. *Geol. Soc. Amer. Bull.* 82:279-280. (RA)

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4. Keller, E.A. Development of alluvial stream channels: a five stage model. *Geol. Soc. Amer. Bull.* 83: 1531-1536. (RA)
5. Keller, E.A. Areal sorting of bed-load material: the hypothesis of velocity reversal: reply. *Geol. Soc. Amer. Bull.* 83: 915-918. (RA)
6. Coffman, D.M., Keller, E.A., and Melhorn, W.N. A new topological relationship as an indicator of drainage network evolution. *Water Resources Research* 8(6): 1497-1505. (RA)

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7. Melhorn, W.N., and Keller, E.A. Landscape aesthetics numerically determined: applications in highway corridor selection. *Highway Research Record* 452: 1-9. (RA)
8. Keller, E.A., and Melhorn, W.N. Bedforms and fluvial processes in alluvial stream channels: selected observations. *Proceedings of the Fourth Annual Geomorphology Symposia Series, in Fluvial Geomorphology*, Morisawa, Marie (ed.), *Publications in Geomorphology*, State University of New York, Binghamton, New York, Chapter 11, pp. 253-284. (Invited contribution.) (BC)

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12. Keller, E. A. Channelization: a search for a better way. *Geology* 3(5): 246-248. (RA)

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13. Keller, E.A., and Hoffman, E.K. Channel restoration: a sensible alternative to channelization. *Public Works*, Oct.: 70-72. (RA)
14. Keller, E.A. *Environmental Geology*. Charles E. Merrill Publishing Co., Columbus, Ohio, 496 p. (B)
15. Keller, E.A. Channelization: environmental, geomorphic and engineering aspects. *Geomorphology and Engineering*, Chapter 7, D.R. Coates (ed.), Dowden, Hutchinson and Ross, Inc., pp. 115-140.(Invited contribution). (BC)

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16. Keller, E.A. Fluvial systems: selected observations. In *Riparian Forests in California: Their Ecology and Conservation*, Anne Sands (ed.), University of California, Davis, Institute of Ecology, Publication No. 15, Chapter 5, pp. 39-46. (BC)
17. Keller, E.A., and Hoffman, E.K. Urban streams: sensual blight or amenity. *Journal of Soil and Water Conservation* 32(5): 237-240. (RA)

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18. Keller, E.A., and Melhorn, W.N. Rhythmic spacing and origin of pools and riffles. *Bulletin of the Geological Society of America* 89: 723-730. (RA)
19. Keller, E.A. Pools, riffles and channelization. *Environmental Geology* 2(2): 119-127. (RA)

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21. Nunnally, N.R., and Keller, E.A. Use of fluvial processes to minimize adverse effects of stream channelization. *Water Resources Research Institute Report No. 144*. The University of North Carolina, 115 p. (RP)

22. Keller, E.A. Environmental Geology, Second Ed. Charles E. Merrill Publishing Co., Columbus, Ohio, 547 p. (B)
23. Keller, E.A. and Swanson, F.J. Effects of large organic material on channel form and fluvial process. *Earth Surface Processes* 4(4): 361-380. (RA)
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25. Keller, E.A., Johnson, D.L., Clark, M.N. and Rockwell, T.K. Tectonic geomorphology and earthquake hazard, north flank central Ventura basin, California. Final Report, U. S. Geol. Survey Contract 14-08-0001-17678. (RP)
26. Keller, E.A., MacDonald, A., and Tally, T. Effect of large organic debris on channel morphology and process in the streams of Redwood National Park. *Proceedings of the Second Conference on Scientific Research in the National Parks*, Amer. Institute of Biological Sciences and National Park Service. NPS 1st-80/02-S (NTIS) U.S.P. 254-273. (CP)

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31. Botkin, D.B. and Keller, E.A. *Environmental Studies: The Earth as a Living Planet*. Charles E. Merrill Publishing Co., Columbus, Ohio, 506 p. (B)
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Southern California. Geol. Soc. Amer. Guidebook. 78th Annual Meeting of the Cordilleran Section, pp. 25-42. (FG)

33. MacDonald, A., Keller, E.A., and Tally, T. The role of large organic debris on stream channels draining redwood forests, northwestern California. In Friends of the Pleistocene Guidebook, Late Cenozoic History and Forest Geomorphology of Humboldt County, California, pp. 226-245. (FG)
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35. Dembroff, G.R., Johnson, D.L., Keller, E.A., and Rockwell, T.K. The Soil Geomorphology and Neotectonics of the Ventura River and Central Ventura Basin, California: A Fieldguide. (Prepared for the Soil Geomorph. Tour (Div. S-5), Dec. 2-3, 1982 Ann. Meetings Am. Soc. Agron., Crop Sci. Soc. Am., and Soil Sci. Soc. Am.) (FG)

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39. Rockwell, T.K., Keller, E.A., Clark, M.N., and Johnson, D.L. Chronology and rates of faulting of Ventura River terraces, California. Geol. Soc. Amer. Bull. 95: 1466-1474. (RA)
40. Keller, E.A. and Brooks, A. Consideration of meandering in channelization projects: selected observations and judgments. Proceedings of the Conference Rivers 1983, American Society of Civil Engineers, pp. 384-397 (invited contribution). (BC)

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43. Rockwell, T.K., Keller, E.A., and Johnson, D.L. Tectonic geomorphology of alluvial fans and mountain fronts near Ventura, California. In M. Morisawa and J. T. Hack (eds.) *Tectonic Geomorphology. Proceedings of the 15th Annual Geomorphology Symposium*, Allen & Unwin Publishers, Boston, Ch. 8, p. 183-207 (invited contribution). (BC)
44. Rockwell, T. K., Johnson, D.L., Keller, E.A., and Dembroff, G.R. A late Pleistocene-Holocene soil chronosequence in the Ventura basin, southern California, USA. In Richards, K.S., Arnett, R.R. and Ellis, S. (eds.) *Geomorphology and Soils*. George Allen and Unwin, Boston, Ch. 16, p. 309-327 (invited contribution). (BC)
45. Keller, E.A., Zepeda, R.L., Laduzinsky, D.M., Seaver, D.B., and Zhao, E.X. Late Pleistocene-Holocene soil chronology for evaluating tectonic framework and events, Transverse Ranges, California. U. S. Geological Survey Open-File Report 86-31, p. 630- 640. (RP)

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46. Keller, E.A. Investigations of active tectonics: Use of surficial earth processes. In *Active Tectonics*, National Academy Press, Washington, D. C., p. 136-147 (invited contribution). (BC)
47. Keller, E.A. Source and seismic potential associated with reverse faulting and related folding. J. S. Geological Survey Open-File Report 86-383, p. 180-181. (RP)
48. Best, D.W. and Keller, E.A. Sediment storage and routing in a steep boulder-bed rock- controlled channel. In DeVries, J.J. (ed.) *Proceedings of the 1985 Chaparral Ecosystems Research Symposium*, Santa Barbara, California, pp. 45-55. (CP)

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50. Botkin, D. B. and Keller, E.A. *Environmental Studies: Earth as a Living Planet*, Second Ed., Charles E. Merrill Publishing Co., Columbus, Ohio, 685 p. (RP)

51. MacDonald, A. and E. A. Keller. Stream channel response to the removal of large woody debris, Larry Damm Creek, northwestern California. In *Erosion and Sedimentation in the Pacific Rim. Proceedings of the Corvallis Symposium*, August, IAHS Publ. No. 165. p. 405-406. (CP)
52. Florsheim, J. L. and E. A. Keller. Relationships between channel morphology, unit stream power, and sediment routing and storage in a steep, bedrock controlled channel. In *Erosion and Sedimentation in the Pacific Rim. Proceedings of the Corvallis Symposium*, August, IAHS Publ. No. 165, p. 279-280. (CP)

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54. Keller, E. A. Quaternary tectonic framework and earthquake hazard in fold-and-thrust belts of the western Transverse Ranges, California. U. S. Geological Survey Open-File Report 88-673, p. 153. (RP)
55. Rockwell, T. K., E. A. Keller, and G. R. Dembroff. Quaternary rate of folding of the Ventura River anticline, western Transverse Ranges, southern California. *Geol. Soc. Amer. Bull.* 100, 850-858. (RA)
56. Keller, E. A. Estimating timing of fault activity on uplifted wave-cut platforms. *Bulletin of the Association of Engineering Geologists*, v. XXV, No. 4, p. 505-507. (RA)
57. Higgins, C. G., Coats, D. R., Baker, V. B., Dietrich, W. E., Dunne, T., Keller, E. A., Norris, R. M., Parker, G. G. Sr., Pavich, M., Pewe, T. L., Robb, J. M., Rogers, J. D. and Sloan, C. E. Landform development. In *Hydrogeology*, Back, W., Rosenhein, J. S. and Seaber, P. R. (eds.), *The Geology of North America*, Vol. 0-2. The Geological Society of America, Ch. 42, pp. 383-401.(BC)

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59. Keller, E. A., Johnson, D. L., Laduzinsky, D. M., Rockwell, T. K., Seaver, D. B., Zepeda, R. L. and Zhao, X. Tectonic geomorphology and late Pleistocene soil chronology of the Wheeler Ridge, San Emigdio Mountains and Frazier Mountain areas. *Pacific Cell, Friends of the Pleistocene Guidebook*, 125 p. (FG)
60. Davis, F. W., Keller, E. A., Parikh, A., and Florsheim, J. Recovery of the chaparral riparian zone after wildfire. In: *Proceedings of the California Riparian*

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61. Johnson, D. L., E. A. Keller, and T. K. Rockwell. Dynamic pedogenesis: New views on some key soil concepts, and a model for interpreting Quaternary soils. *Quaternary Research* 33: 306-319. (RA)
62. Keller, E.A., and Kondolf, G.M. Groundwater and fluvial processes; Selected observations, with case studies by Hagerty, D.J., and Kondolf, G.M., In Higgins, C.G., and Coates, D.R., *Groundwater geomorphology; The role of subsurface water in Earth- surface processes and landforms: Boulder, Colorado*, Geological Society of America Special Paper 252. (RA)

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63. Florsheim, J.L., Keller, E.A., and Best, D.W. Fluvial sediment transport in response to moderate storm flows following chaparral wildfire, Ventura County, southern California. *The Geological Society of America Bulletin*. 103: 504-511. (RA)
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67. Keller, E.A., Yeats, R.S., Rockwell, T.K., and Johnson, D.L. Overview of active tectonics. In E.A. Keller (ed.) *Active Folding and Reverse Faulting in the western Transverse Ranges, southern California*. Geol. Soc. Amer. Guidebook. 1991 Annual Meeting, pp. 1-12. (FG)
68. Zepeda, R. L., Keller, E.A., and Rockwell, T.K. Tectonic geomorphology of Wheeler Ridge. In E. A. Keller (ed.) *Active Folding and Reverse Faulting in the western Transverse Ranges, southern California*. Geol. Soc. Amer. Guidebook. 1991 Annual Meeting, pp. 37-45. (FG)
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EXPERT WITNESS

I have served as an Expert Witness over a period of several decades, mostly on landslide and flood cases

TEACHING

Earth Surface Processes (Geomorphology)
Rivers (Fluvial Geomorphology)
Coastal Processes (Coastal Geomorphology)
Environmental and Engineering Geology
Geology of Yosemite (Field Trip Course)