

## **BIOGRAPHICAL INFORMATION: ELLEN E. WOHL**

**PRESENT POSITION:** Professor of Geology and University Distinguished Professor  
Dept of Geosciences  
Colorado State University  
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**WEBSITES:** <https://sites.warnercnr.colostate.edu/ellenwohl/>  
<https://sites.warnercnr.colostate.edu/fluvial-geomorphology/>

**DEGREES:** Arizona State University, Tempe, Arizona  
BS in Geology, 1984  
University of Arizona, Tucson, Arizona  
PhD in Geosciences, 1988

### **OTHER POSITIONS:**

1989-1989 Faculty Research Associate, Dept of Geosciences, University of Arizona  
1989-1995 Assistant Professor, Dept of Earth Resources, Colorado State University  
1995-2000 Associate Professor, Dept of Earth Resources, Colorado State University

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

Geological Society of America (Fellow)  
American Geophysical Union (Fellow)

### **SCHOLARSHIPS, AWARDS, AND HONORS:**

Graduation with honors from Arizona State University, magna cum laude  
Sulzer Scholarship (University of Arizona), 1984-1985  
Graduate Academic Scholarship (University of Arizona), 1984-1985, 1987-1988  
SOCAL Fund Grant (University of Arizona), 1986-1987  
Sigma Xi Grant-in-Aid-of-Research, 1986-1987  
Geological Society of America Research Grant, 1986-1987  
Fulbright-Hays Postgraduate Research Grant, 1986-1987  
Butler Scholarship (University of Arizona), 1987-1988  
Gladys W. Cole Memorial Award, Geological Society of America, 1995  
Fellowship, Japan Society for the Promotion of Science, 1995-1996  
Water Center Award for Outstanding Contributions to Interdisciplinary Water Education,  
Research, and Outreach (Colorado State University), 2001  
G.K. Gilbert Award, Association of American Geographers, 2000 and 2003  
Kirk Bryan Award, Geological Society of America, 2009  
Distinguished International Fellow, Department of Geography, Durham University, England, 2010  
Scholarship Impact Award, Colorado State University, 2015  
Outstanding Mentor Award, Warner College of Natural Resources, Colorado State University,  
2015

Ralph Alger Bagnold Medal, European Geosciences Union, 2017  
CSU University Distinguished Professor, 2017  
Distinguished Career Award, GSA Quaternary Geology and Geomorphology Division, 2018  
G.K. Gilbert Award, Earth and Planetary Surfaces Section, AGU, 2018  
Doctor Honoris Causa, University of Lausanne, Switzerland, 2019  
Borland Hydraulics Award, Colorado State University, 2020  
Mel Marcus Distinguished Career Award, AAG, 2020  
University of Arizona Geosciences, Distinguished Alumni Award, 2020  
David Linton Award, British Society for Geomorphology, 2020  
Hydrologic Sciences Award, Hydrologic Sciences Division, AGU, 2022  
Member of Phi Beta Kappa, Phi Kappa Phi, Sigma Xi

Theses and dissertations supervised and completed: 56 MS theses, 31 PhD dissertations

## **BIBLIOGRAPHY:**

### ***Refereed Publications***

266. Sendrowski A, E **Wohl**, R Hilton, N Kramer, P Ascough. in press. Wood-based carbon storage in the Mackenzie River Delta: The world's largest mapped riverine wood deposit. *Geophysical Research Letters*.
265. **Wohl** E, JE Scamardo. 2022. Aufeis as a major forcing mechanism for channel avulsion and implications of warming climate. *Geophysical Research Letters* 49: e2022GL100246.
264. Scamardo J, PA Nelson, M Nichols, E **Wohl**. 2022. Modeling the relative morphodynamic influence of vegetation and large wood in a dryland ephemeral stream, Arizona, USA. *Geomorphology* 417: 108444.
263. **Wohl** E, Knox RL. 2022. A first-order approximation of floodplain soil organic carbon stocks in a river network: the South Platte River, Colorado, USA as a case study. *Science of the Total Environment* 852: 158507.
262. Norman LM, R Lal, E **Wohl**, E Fairfax, AC Gellis, MM Pollock. 2022. Natural infrastructure in dryland streams (NIDS) can establish regenerative wetland sinks that reverse desertification and strengthen climate resilience. *Science of the Total Environment* 849: 157738.
261. Scott D, S Shahverdian, R Flitcroft, E **Wohl**. 2022. Geomorphic heterogeneity as a framework for assessing river corridor processes and characteristics. *River Research and Applications* 38: 1893-1901.
260. White DC, RR Morrison, E **Wohl**. 2022. Fire and ice: winter flooding in a Southern Rocky Mountain stream after a wildfire. *Geomorphology* 413: 108370.
259. Knox RL, EE **Wohl**, RR Morrison. 2022. Levees don't protect, they disconnect: a critical review of how artificial levees impact floodplain functions. *Science of the Total Environment* 837: 155773.
258. Knox RL, RR Morrison, EE **Wohl**. In press. A river ran through it: floodplains as America's newest relict landform. *Science Advances*.
257. **Wohl** E, E Iskin. 2022. The transience of channel-spanning logjams in mountain streams. *Water Resources Research* 58: e2021WR031556.
256. Knox RL, RR Morrison, EE **Wohl**. 2022. Identification of artificial levees in the

- contiguous United States. *Water Resources Research*: e2021WR031308.
255. Hinshaw S, E **Wohl**, JD Burnett, S Wondzell. In press. Development of a geomorphic monitoring strategy for stage 0 restoration in the South Fork McKenzie River, Oregon, USA. *Earth Surface Processes and Landforms*.  
<https://onlinelibrary.wiley.com/doi/full/10.1002/esp.5356>
254. **Wohl** E, J Scamardo. 2022. Patterns of organic matter accumulation in dryland river corridors of the southwestern United States. *Science of the Total Environment* 833: 155136.
253. **Wohl** E. 2022. Logjam fluctuations during the decade after a major blowdown along a mountain stream in the US Southern Rockies. *Earth Surface Processes and Landforms* 47: 669-705.
252. **Wohl** E, AE Marshall, J Scamardo, D White, RR Morrison. 2022. Biogeomorphic influences on river corridor resilience to wildfire disturbances in a mountain stream of the Southern Rockies, USA. *Science of the Total Environment* 820: 153321.
251. Scamardo J, S Marshall, E **Wohl**. 2022. Estimating widespread beaver dam loss: habitat decline and surface storage loss at a regional scale. *Ecosphere* 13: e3962.
250. **Wohl** E, E Iskin. 2021. Damming the wood falls. *Science Advances* 7:eabj0988.
249. Hinshaw S, E **Wohl**. 2021. Quantitatively estimating carbon sequestration potential in soil and large wood in the context of river restoration. *Frontiers in Earth Science* 9: 708895.
248. Livers B, E **Wohl**. 2021. All logjams are not created equal. *Journal of Geophysical Research: Earth Surface* 126: e2021JF006076.
247. **Wohl** E, J Castro, B Cluer, D Merritts, P Powers, B Staab, C Thorne. 2021. Rediscovering, reevaluating, and restoring lost river-wetland corridors. *Frontiers in Earth Science: Hydrosphere*: 9, 653623. doi: 10.3389/feart.2021.653623
246. Sendrowski A, E **Wohl**. 2021. Remote sensing of large wood in high resolution satellite imagery: design of an automated classification workflow for multiple wood deposit types. *Earth Surface Processes and Landforms* 46: 2333-2348.
245. **Wohl** E. 2021. Conceptualizing rivers as ecosystems. *Earth Surface Processes and Landforms* 46: 1652-1654.
244. Marshall A, E Iskin, E **Wohl**. 2021. Seasonal and diurnal fluctuations of coarse particulate organic matter transport in a snowmelt-dominated stream. *River Research and Applications* 37: 815-825.
243. Iskin E, E **Wohl**. 2021. Wildfire and the patterns of floodplain large wood on the Merced River, Yosemite National Park, California, USA. *Geomorphology* 389: 107805.
242. Schalko I, E **Wohl**, HM Nepf. 2021. Flow and wake characteristics associated with large wood to inform river restoration. *Scientific Reports* 11: 8644.
241. Sutfin NA, E **Wohl**, T Feghel, N Day, L Lynch. 2021. Logjams and channel morphology influence sediment storage, transformation of organic matter, and carbon storage within mountain stream corridors. *Water Resources Research* 57: e2020WR028046.
240. **Wohl** E. 2021. An integrative conceptualization of floodplain storage. *Reviews of Geophysics* 59: e2020RG000724.
239. Ader E, E **Wohl**, S McFadden, K Singha. 2021. Logjams as a driver of transient storage in a mountain stream. *Earth Surface Processes and Landforms* 46: 707-711.
238. **Wohl** E. 2021. Legacy effects of loss of beavers in the continental United States. *Environmental Research Letters* 16: 025010.

237. Swanson FJ, SV Gregory, A Iroume, V Ruiz-Villanueva, E **Wohl**. 2021. Reflections on the history of research on large wood in rivers. *Earth Surface Processes and Landforms* 46: 55-66.
236. Grabowski J, E **Wohl**. 2020. Logjam attenuation of annual sediment waves in eolian-fluvial environments, North Park, Colorado, USA. *Geomorphology* 375: 107494.
235. **Wohl** E, JE Scamardo. 2021. The resilience of logjams to floods. *Hydrological Processes* 35: e13970.
234. Kornse Z, E **Wohl**. 2020. Assessing the restoration potential for beaver (*Castor canadensis*) in the semiarid foothills of the Southern Rockies, USA. *River Research and Applications* 36: 1932-1943.
233. Ortega-Becerril JA, B Livers, E **Wohl**. 2020. Regional- to local-scale controls on waterfalls in Rocky Mountain National Park, Colorado. *Journal of Mountain Science* 17: 1874-1890.
232. Hinshaw S, E **Wohl**, D Davis. 2020. The effects of longitudinal variations in valley geometry and wood load on flood response. *Earth Surface Processes and Landforms* 45: 2927-2939.
231. **Wohl** E. 2020. Rivers in the Anthropocene: the US perspective. *Geomorphology* 366: 106600.
230. Doughty MN, E **Wohl**, AH Sawyer, K Singha. 2020. Mapping increases in hyporheic exchange from channel-spanning logjams. *Journal of Hydrology* 587: 124931.
229. Scott DN, E **Wohl**. 2020. Geomorphology and climate interact to control organic carbon stock and age in mountain river valley bottoms. *Earth Surface Processes and Landforms* 45: 1911-1925.
228. Scamardo JE, E **Wohl**. 2020. Sediment storage and shallow groundwater response to beaver dam analogs in the Colorado Front Range, USA. *River Research and Applications* 36: 398-409.
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226. Scott, DN, E **Wohl**, SE Yochum. 2019. Wood jam dynamics database and assessment model (WoodDAM): A framework to measure and understand wood jam characteristics and dynamics. *River Research and Applications* 35: 1466-1477.
225. **Wohl** E, E Iskin. 2019. Patterns of floodplain spatial heterogeneity in the Southern Rockies, USA. *Geophysical Research Letters* 46: 5864-5870.
224. **Wohl** E, KB Lininger, SL Rathburn, NA Sutfin. 2020. How geomorphic context governs the influence of wildfire on floodplain organic carbon in fire-prone environments of the western United States. *Earth Surface Processes and Landforms* 45: 38-55.
223. **Wohl** E. 2019. Forgotten legacies: Understanding and mitigating historical human alterations of river corridors. *Water Resources Research* 55: 5181-5201.
222. Ruiz-Villanueva V, B Mazzorana, E Blade, I Ribarren, L Mao, F Nakamura, D Ravazzolo, D Rickenmann, M Sanz-Ramos, M Stoffel, E **Wohl**. 2019. Characterization of wood-laden flows in rivers. *Earth Surface Processes and Landforms* 44: 1694-1709.
221. Sutfin NA, E **Wohl**. 2019. Elevational differences in hydrogeomorphic disturbance regime influence sediment residence times within mountain river corridors. *Nature Communications* 10: 2221.
220. Lininger KB, E **Wohl**. 2019. Floodplain dynamics in North American permafrost regions

- under a warming climate and implications for organic carbon stocks: a review and synthesis. *Earth-Science Reviews* 193: 24-44.
219. Lininger KB, E **Wohl**, JR Rose, SJ Leisz. 2019. Significant floodplain soil organic carbon storage along a large high latitude river and its tributaries. *Geophysical Research Letters* 46: 2121-2129.
218. **Wohl** E, SK Hinshaw, JE Scamardo, PE Gutierrez-Fonseca. 2019. Transient organic jams in Puerto Rican mountain streams after hurricanes. *River Research and Applications* 35: 280-289.
217. **Wohl** E, N Kramer, V Ruiz-Villanueva, DN Scott, F Comiti, A Gurnell, H Piegay, KB Lininger, K Jaeger, D Walters, K Fausch. 2019. The natural wood regime in rivers. *BioScience* 69: 259-273.
216. **Wohl** E, G Brierley, D Cadol, TJ Coulthard, T Covino, KA Fryirs, G Grant, RG Hilton, SN Lane, FJ Magilligan, KM Meitzen, P Passalacqua, RE Poepl, SL Rathburn, and LS Sklar. 2019. Connectivity as an emergent property of geomorphic systems. *Earth Surface Processes and Landforms* 44: 4-26.
215. Laurel D, E **Wohl**. 2019. The persistence of beaver-induced geomorphic heterogeneity and organic carbon stock in river corridors. *Earth Surface Processes and Landforms* 44: 342-353.
214. Scott DN, E **Wohl**. 2019. Bedrock fracture influences on geomorphic process and form across process domains and scales. *Earth Surface Processes and Landforms* 44: 27-45.
213. **Wohl** E, KB Lininger, DN Scott. 2018. River beads as a conceptual framework for building carbon storage and resilience to extreme climate events into river management. *Biogeochemistry* 141: 365-383.
212. Scott DN, EE **Wohl**. 2018. Geomorphic regulation of floodplain soil organic carbon concentration in watersheds of the Rocky and Cascade Mountains, USA. *Earth Surface Dynamics* 6: 1101-1114.
211. Wollheim WM, S Bernal, DA Burns, JA Czuba, CT Driscoll, AT Hansen, RT Hensley, JD Hosen, S Inamdar, SS Kaushal, LE Koenig, YH Lu, A Marzadri, PA Raymond, D Scott, RJ Stewart, PJ Vidon, E **Wohl**. 2018. River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. *Biogeochemistry* 141: 503-521.
210. Scott DN, EE **Wohl**. 2018. Natural and anthropogenic controls on wood loads in river corridors of the Rocky, Cascade, and Olympic Mountains, USA. *Water Resources Research* 54: 7893-7909.
209. **Wohl** E. 2018. The challenges of channel heads. *Earth-Science Reviews* 185: 649-664.
208. **Wohl** E, DN Scott, KB Lininger. 2018. Spatial distribution of channel and floodplain large wood in forested river corridors of the Northern Rockies. *Water Resources Research* 54: 7879-7892.
207. **Wohl** E. 2018. Geomorphic context in rivers. *Progress in Physical Geography* 42: 841-857.
206. Herdrich AT, DL Winkelman, MP Venarsky, DM Walters, E **Wohl**. 2018. The loss of large wood affects Rocky Mountain trout populations. *Ecology of Freshwater Fishes* 27: 1023-1036.
205. Venarsky MP, DM Walters, RO Hall, B Livers, E **Wohl**. 2018. Shifting stream planform state decreases stream productivity yet increases riparian animal production. *Oecologia* 187: 167-180.

204. **Wohl** E, A Pfeiffer. 2018. Organic carbon storage in floodplain soils of the U.S. prairies. *River Research and Applications* 34: 406-416.
203. **Wohl** E, D Cadol, A Pfeiffer, K Jackson, D Laurel. 2018. Distribution of large wood within river corridors in relation to flow regime in the semiarid western US. *Water Resources Research* 54: 1890-1904.
202. Lininger KB, E **Wohl**, JR Rose. 2018. Geomorphic controls on floodplain soil organic carbon in the Yukon Flats, interior Alaska, from reach to river basin scales. *Water Resources Research* 54: 1934-1951.
201. Pfeiffer A, E **Wohl**. 2018. Where does wood most effectively enhance storage? Network-scale distribution of sediment and organic matter stored by instream wood. *Geophysical Research Letters* 45. <https://doi.org/10.1002/2017GL076057>.
200. Livers B, E **Wohl**, KJ Jackson, NA Sutfin. 2018. Historical land use as a driver for alternative states of stream form and function in forested mountain watersheds of the Southern Rocky Mountains. *Earth Surface Processes and Landforms* 43: 669-684.
199. **Wohl** E, KB Lininger, M Fox, B Baillie, WD Erskine. 2017. Instream large wood loads across bioclimatic regions. *Forest Ecology and Management* 404: 370-380.
198. Wegener P, T Covino, E **Wohl**. 2017. Beaver-mediated lateral hydrologic connectivity, fluvial carbon and nutrient flux, and aquatic ecosystem metabolism. *Water Resources Research* 53: 4606-4623.
197. **Wohl** E, KB Lininger, JS Baron. 2017. Land before water: the relative temporal sequence of human alteration of freshwater ecosystems in the conterminous United States. *Anthropocene* 18: 27-46.
196. **Wohl** E. 2017. Connectivity in rivers. *Progress in Physical Geography* 41: 345-362.
195. Righini M, N Surian, E **Wohl**, L Marchi, F Comiti, W Amponsah, M Borga. 2017. Geomorphic response to an extreme flood in two Mediterranean rivers (northeastern Sardinia, Italy): analysis of controlling factors. *Geomorphology* 290: 184-199.
194. **Wohl** E. 2017. The significance of small streams. *Frontiers of Earth Science* 11: 447-456.
193. Garrett KK, EE **Wohl**. 2017. Climate-invariant area-slope relations in channel heads initiated by surface runoff. *Earth Surface Processes and Landforms* 42: 1745-1751.
192. Sutfin NA, E **Wohl**. 2017. Substantial soil organic carbon retention along floodplains of mountain streams. *Journal of Geophysical Research Earth Surface* 122: 1325-1338.
191. **Wohl** E, RO Hall, KB Lininger, NA Sutfin, DM Walters. 2017. Carbon dynamics of river corridors and the effects of human alterations. *Ecological Monographs* 87: 379-409.
190. **Wohl** E, D Scott. 2017. Transience of channel head locations following disturbance. *Earth Surface Processes and Landforms* 42: 1132-1139.
189. Scott DN, EE **Wohl**. 2017. Evaluating carbon storage on subalpine lake deltas. *Earth Surface Processes and Landforms* 42: 1472-1481.
188. Rathburn SL, GL Bennett, EE **Wohl**, C Briles, B McElroy, N Sutfin. 2017. The fate of sediment, wood, and organic carbon eroded during an extreme flood, Colorado Front Range, USA. *Geology* 45: 499-502.
187. Lininger KB, E **Wohl**, NA Sutfin, J Rose. 2017. Floodplain downed wood volumes: a comparison across three biomes. *Earth Surface Processes and Landforms* 42: 1248-1261.

186. Kramer N, E **Wohl**, B Hess-Homeier, S Leisz. 2017. The pulse of driftwood over multiple timescales in a great northern river. *Water Resources Research* 53: 1928-1947.
185. Kramer N, E **Wohl**. 2017. Rules of the road: A qualitative and quantitative synthesis of large wood transport through drainage networks. *Geomorphology* 279: 74-97.
184. Ortega J, M Gómez-Heras, R Fort, E **Wohl**. 2017. How does anisotropy in bedrock river granitic outcrops influence pothole genesis and development? *Earth Surface Processes and Landforms* 42: 956-968.
183. Laurel D, E **Wohl**. 2017. Examining the effect of geomorphic characteristics on pool temperatures for native fish habitat management in mountainous stream networks. *Earth Surface Processes and Landforms* 42: 1299-1307.
182. Ortega-Becerril JA, A Jorge-Coronado, G Garzon, E **Wohl**. 2017. Sobrarbe Geopark: an example of highly diverse bedrock rivers. *Geoheritage* 9: 533-548.
181. **Wohl** E. 2016. River geomorphic complexity. *Progress in Physical Geography* 40, 598-615.
180. Records R, E **Wohl**, M Arabi. 2016. Phosphorus in the river corridor. *Earth-Science Reviews* 158: 65-88.
179. **Wohl** E, S Rathburn, S Chignell, K Garrett, D Laurel, B Livers, et al. 2017. Mapping longitudinal stream connectivity in the North St. Vrain Creek watershed of Colorado. *Geomorphology* 277: 171-181.
178. **Wohl** E. 2017. Bridging the gaps: an overview across time and space of wood in diverse rivers. *Geomorphology* 279: 3-26.
177. Livers B, E **Wohl**. 2016. Sources and interpretation of channel complexity in forested subalpine streams of the Southern Rocky Mountains. *Water Resources Research* 52, 3910-3929.
176. **Wohl** E, DN Scott. 2017. Wood and sediment storage and dynamics in river corridors. *Earth Surface Processes and Landforms* 42, 5-23.
175. **Wohl** E, BP Bledsoe, KD Fausch, N Kramer, KR Bestgen, MN Gooseff. 2016. Management of large wood in streams: an overview and proposed framework for hazard evaluation. *Journal of the American Water Resources Association* 52, 315-335.
174. Chin A, L An, JR Florsheim, LR Laurencio, RA Marston, AP Solverson, GL Simon, E Stinson, E **Wohl**. 2016. Investigating feedbacks in human-landscape systems: lessons following a wildfire in Colorado, USA. *Geomorphology* 252, 40-50.
173. **Wohl** E, SN Lane, AC Wilcox. 2015. The science and practice of river restoration. *Water Resources Research* 51, 5974-5997.
172. Sutfin N, E **Wohl**, K Dwire. 2016. Banking carbon: a review of organic carbon reservoirs in river systems. *Earth Surface Processes and Landforms* 41, 38-60.
171. Kramer N, E **Wohl**. 2015. Driftcretions: the legacy impacts of driftwood on shoreline morphology. *Geophysical Research Letters* 42, 5855-5864.
170. **Wohl** E. 2015. Particle dynamics: the continuum of bedrock to alluvial river segments. *Geomorphology* 241, 192-208.
169. **Wohl** E. 2015. Legacy effects on sediments in river corridors. *Earth-Science Reviews* 147, 30-53.
168. **Wohl** E. 2015. Of wood and rivers: bridging the perception gap. *WIREs Water* 2, 167-176.
167. Jackson KJ and E **Wohl**. 2015. Instream wood loads in montane forest streams of the Colorado Front Range, USA. *Geomorphology* 234, 161-170.

166. **Wohl** E, BP Bledsoe, RB Jacobson, NL Poff, SL Rathburn, DM Walters, AC Wilcox. 2015. The natural sediment regime: broadening the foundation for ecosystem management. *BioScience* 65, 358-371.
165. Livers B, E **Wohl**. 2015. An evaluation of stream characteristics in glacial versus fluvial process domains in the Colorado Front Range. *Geomorphology* 231: 72-82.
164. Caskey ST, TS Blaschak, E **Wohl**, E Schnackenberg, DM Merritt, KA Dwire. 2015. Downstream effects of stream flow diversion on channel characteristics and riparian vegetation in the Colorado Rocky Mountains, USA. *Earth Surface Processes and Landforms* 40, 586-598.
163. **Wohl** E. 2014. A legacy of absence: wood removal in U.S. rivers. *Progress in Physical Geography* 38: 637-663.
162. Yochum SE, BP Bledsoe, E **Wohl**, GCL David. 2014. Spatial characterization of roughness elements in high-gradient channels of the Fraser Experimental Forest, Colorado, USA. *Water Resources Research* 50: 6015-6029.
161. Sutfin NA, J Shaw, E **Wohl**, D Cooper. 2014. A geomorphic classification of ephemeral channels in a mountainous, arid region, southwestern Arizona, USA. *Geomorphology* 221: 164-175.
160. **Wohl** E. 2014. Time and the rivers flowing: fluvial geomorphology since 1960. *Geomorphology* 216: 263-282.
159. Scott DN, DR Montgomery, E **Wohl**. 2014. Log step and clast interactions in mountain streams in the central Cascade Range of Washington State, USA. *Geomorphology* 216: 180-186.
158. Polvi LE, E **Wohl**, DM Merritt. 2014. Modeling the functional influence of vegetation type on streambank cohesion. *Earth Surface Processes and Landforms* 39, 1245-1258.
157. Kramer N, E **Wohl**. 2014. Estimating fluvial wood discharge using timelapse photography with varying sampling intervals. *Earth Surface Processes and Landforms* 39, 844-852.
156. Beckman N, E **Wohl**. 2014. Carbon storage in mountainous headwater streams: the role of old-growth forest and logjams. *Water Resources Research* 50, 2376-2393.
155. Beckman N, E **Wohl**. 2014. Effects of forest stand age on the characteristics of logjams in mountainous forest streams. *Earth Surface Processes and Landforms* 39, 1421-1431.
154. Chin A, LR Laurencio, MD Daniels, E **Wohl**, MA Urban, KL Boyer, A Butt, H Piegay, KJ Gregory. 2014. The significance of perceptions and feedbacks for effectively managing wood in rivers. *River Research and Applications* 30, 98-111.
153. **Wohl** E, N Beckman. 2014. Controls on the longitudinal distribution of channel-spanning logjams in the Colorado Front Range, USA. *River Research and Applications* 30, 112-131.
152. Chin A, JL Florsheim, E **Wohl**, BD Collins. 2014. Feedbacks in human-landscape systems. *Environmental Management* 53, 28-41.
151. Harden CP, A Chin, MR English, R Fu, KA Galvin, AK Gerlak, PF McDowell, DE McNamara, JM Peterson, NL Poff, EA Rosa, WD Solecki, EE **Wohl**. 2014. Understanding human-landscape interactions in the "Anthropocene." *Environmental Management* 53, 4-13.
150. **Wohl** E, N Beckman. 2014. Leaky rivers: implications of the loss of longitudinal



- fluvial disconnectivity in headwater streams. *Geomorphology* 205, 27-25.
149. Ortega JA, M Gómez-Heras, R Perez-López, E **Wohl**. 2014. Multiscale structural and lithologic controls in the development of stream potholes on granite bedrock rivers. *Geomorphology* 204, 588-598.
  148. **Wohl** E, AK Gerlak, NL Poff, A Chin. 2014. Common core themes in geomorphic, ecological, and social systems. *Environmental Management* 53, 14-27.
  147. Cadol D, E **Wohl**. 2013. Variable contribution of wood to the hydraulic resistance of headwater tropical streams. *Water Resources Research* 49, 4711-4723.
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  145. Ortega JA, E **Wohl**, B Livers. 2013. Waterfalls on the eastern side of Rocky Mountain National Park, Colorado, USA. *Geomorphology* 198, 37-44.
  144. **Wohl** E. 2013. Migration of channel heads following wildfire in the Colorado Front Range, USA. *Earth Surface Processes and Landforms* 38, 1049-1053.
  143. **Wohl** E. 2013. Floodplains and wood. *Earth-Science Reviews* 123, 194-212.
  142. **Wohl** E. 2013. Wilderness is dead: Whither critical zone studies and geomorphology in the Anthropocene? *Anthropocene* 2: 4-15.
  141. **Wohl** E. 2013. Redistribution of forest carbon caused by patch blowdowns in subalpine forests of the Southern Rocky Mountains, USA. *Global Biogeochemical Cycles* 27, 1205-1213.
  140. Polvi L, E **Wohl**. 2013. Biotic drivers of stream planform – implications for understanding the past and restoring the future. *BioScience* 63, 439-452.
  139. **Wohl** E. 2013. The complexity of the real world in the context of the field tradition in geomorphology. *Geomorphology* 200, 50-58.
  138. Jimenez MA, E **Wohl**. 2013. Solute transport modeling using morphological parameters in step-pool reaches. *Water Resources Research* 49, 1-15, doi:10.1002/wrcr.20102.
  137. **Wohl** E, FL Ogden. 2013. Organic carbon export in the form of wood during an extreme tropical storm, Upper Rio Chagres, Panama. *Earth Surface Processes and Landforms* 38, 1407-1416.
  136. Rathburn SL, ZK Rubin, EE **Wohl**. 2013. Evaluating channel response to an extreme sedimentation event in the context of historical range of variability: Upper Colorado River, USA. *Earth Surface Processes and Landforms* 38, 391-406.
  135. David GCL, CJ Legleiter, E **Wohl**, SE Yochum. 2013. Characterizing spatial variability in velocity and turbulence intensity using 3-D acoustic Doppler velocimeter data in a plane-bed reach of East St. Louis Creek, Colorado, USA. *Geomorphology* 183: 28-44.
  134. Dubinski IM, E **Wohl**. 2013. Relationships between block quarrying, bed shear stress, and stream power: A physical model of block quarrying in a jointed bedrock channel. *Geomorphology* 180-181: 66-81.
  133. **Wohl** E, K Dwire, N Sutfin, L Polvi, R Bazan. 2012. Mechanisms of carbon storage in mountainous headwater rivers. *Nature Communications* 3:1263, doi:10.1028/ncomms2274.
  132. Ethridge FG, **Wohl** E, Gellis A, Germanoski D, Hayes BR, Ouchi S. 2012. Memorial to Stanley A. Schumm (1927-2011). *Geological Society of America Memorials* 41, 51-56.

131. Dust D, E **Wohl**. 2012. Characterization of the hydraulics at natural step crests in step-pool streams via weir flow concepts. *Water Resources Research* W09542, doi:10.1029/2011WR011724.
130. **Wohl** E. 2012. Identifying and mitigating dam-induced declines in river health: Three case studies from the western United States. *International Journal of Sediment Research* 27, 271-287.
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37. Tyanna Schlom (2012)  
38. Nicholas Sutfin (2012)  
39. Jonathan Garber (2013)  
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44. DeAnna Laurel (2014)  
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46. Dan Scott (2015)  
47. Elizabeth Oswald (2015)  
48. Krista Garrett (2016)  
49. Andrew Pfeiffer (2017)  
50. Julianne Scamardo (2019)  
51. Ethan Ader (2019)  
52. Sarah Hinshaw (2019)  
53. Zachary Kornse (2020)  
54. Julia Grabowski (2020)  
55. Emily Iskin (2020)  
56. Anna Marshall (2021)

15. Jaime Goode (2009)  
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17. Dan Cadol (2010)  
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20. Natalie Beckman (2012)  
21. Susan Howe (2013)  
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