BIOGRAPHICAL INFORMATION: ELLEN E. WOHL

PRESENT POSITION: Professor of Geology and University Distinguished Professor
Dept of Geosciences
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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)
British Society of Geomorphology (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
G.K. Warren Prize, National Academy of Sciences, 2024

Theses and dissertations supervised and completed: 57 MS theses, 33 PhD dissertations

BIBLIOGRAPHY:
Refereed Publications

281. **Wohl** E, Marshall AE, Triantafillou S, Mobley M, Means-Brous M, Morrison RR. In press. Distribution of logjams in relation to lateral connectivity in the river corridor. Geomorphology.
280. **Wohl** E, S Rathburn, S Dunn, E Iskin, A Katz, A Marshall, M Means-Brous, J Scamardo, S Triantafillou, H Uno. In press. Geomorphic context in process-based river restoration. River Research and Applications.
279. Marshall A, RR Morrison, B Jones, S Triantafillou, E **Wohl**. In press. Handheld lidar as a tool for characterizing wood-rich river corridors. River Research and Applications.
278. Iskin E, E **Wohl**. 2023. Interpreting floodplain heterogeneity: using field data to understand unsupervised floodplain classifications. Journal of Hydrology 628: 130508.
277. Scamardo J, E **Wohl**. 2024. Recognizing the ephemeral stream floodplain: Identification and importance of flood zones in drylands. Earth Surface Processes and Landforms 49: 210-235.
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275. Scamardo J, M Nichols, T Rittenour, E **Wohl**. 2023. Drivers of geomorphic heterogeneity in unconfined non-perennial river corridors. Journal of Geophysical Research Earth Surface 128: e2023JF007102.
274. Wymore AS, AS Ward, E **Wohl**, J Harvey. 2023. Viewing river corridors through the lens of critical zone science. Frontiers in Water 5: 1147561.
273. Hinshaw S, E **Wohl**. 2023. Carbon sequestration potential of process-based river restoration. River Research and Applications 39: 1812-1827.
272. Kemper JT, Rathburn SL, Mueller ER, **Wohl** E, Scamardo J. 2023. Geomorphic response of low-gradient, meandering and braided alluvial river channels to increased sediment supply. Earth-Science Reviews 241: 104429.
271. Marshall A, E **Wohl**. 2023. The continuum of wood-induced channel bifurcations.

Frontiers in Water 5: 1155623.

270. Marshall A, X Zhang, AH Sawyer, E **Wohl**, K Singha. 2023. Logjam characteristics as drivers of transient storage in headwater streams. Water Resources Research 59: e2022WR033139.
269. Scott DN, 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.
268. **Wohl** E, H Uno, SB Dunn, JT Kemper, A Marshall, M Means-Brous, JE Scamardo, SP Triantafillou. In press. Why wood should move in rivers. River Research and Applications.
267. Iskin EP, E **Wohl**. 2023. Quantifying floodplain heterogeneity with field observation, remote sensing, and landscape ecology: methods and metrics. River Research and Applications 39: 911-929.
266. Sendrowski A, E **Wohl**, R Hilton, N Kramer, P Ascough. 2023. Wood-based carbon storage in the Mackenzie River Delta: The world's largest mapped riverine wood deposit. Geophysical Research Letters 50: e2022GL100913.
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.
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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.
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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.
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fluvial environments, North Park, Colorado, USA. Geomorphology 375: 107494.

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wood within river corridors in relation to flow regime in the semiarid western US. Water Resources Research 54: 1890-1904.

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of large wood transport through drainage networks. Geomorphology 279: 74-97.

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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.
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Primary advisor for the following graduate students (completion date)

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PhD (33)

1.Mario Mejia-Navarro (1995)
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3.Brian Cluer (1997)
4.Mette Jordan (1997)
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20.Gregory Stewart (2001)
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22.Chris Jaquette (2003)
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25.Ian Dubinski (2005)
26.Jaime Goode (2005)
27.Francis Rengers (2005)
28.Dan Cadol (2007)
29.Gabrielle David (2007)
30.Amy Nowakowski (2007)
31.Paul Dante (2009)
32.Lina Polvi (2009)
33.Zan Rubin (2010)
34.Jameson Henkle (2010)
35.Elizabeth Gilliam (2011)
36.Natalie Kramer (2011)
37.Tyanna Schlom (2012)
38.Nicholas Sutfin (2012)
39.Jonathan Garber (2013)
40.Simeon Caskey (2013)
41.Bridget Livers (2013)
42.Heidi Klingel (2013)
43.Karen Jackson (2014)
44.DeAnna Laurel (2014)
45.Dena Hicks (2015)
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)

9.Sara Rathburn (2001)
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11.Allen Gellis (2003)
12.Andrew Wilcox (2005)
13.Nancy Brown (2006)
14.Ian Dubinski (2009)
15.Jaime Goode (2009)
16.Kristin Jaeger (2009)
17.Dan Cadol (2010)
18.Gabrielle David (2011)
19.Lina Polvi (2011)
20.Natalie Beckman (2012)
21.Susan Howe (2013)
22.Dai Thomas (2014)
23.Umit Duru (2015)
24.Nick Sutfin (2015)
25.Natalie Kramer Anderson (2016)
26.Bridget Livers (2016)
27.Katherine Lininger (2018)
28.Dan Scott (2018)
29.DeAnna Laurel (2019)
30. Richard Knox (2022)
31. Sarah Hinshaw (2022)
32. Emily Iskin (2023)
33. Julianne Scamardo (2023)

54.Julia Grabowski (2020)
55.Emily Iskin (2020)
56. Anna Marshall (2021)
57. Mickey Means-Brous (2023)