

ABBREVIATED CURRICULUM VITAE

MOLLY M. POHL-COSTELLO

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Legal last name is Costello; professional work under Pohl

Department of Geography

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EDUCATION

<u>Institution</u>	<u>Years</u> <u>Attended</u>	<u>Degree</u>	<u>Major Field</u>
Arizona State University, Tempe	1995-99	Ph.D.	Geography
Arizona State University, Tempe	1993-95	M.A.	Geography
University of California, Davis	1987-92	B.S.	Geography

Title of Dissertation

The Dams of the Elwha River, Washington: Downstream Impacts and Policy Implications.
Advisor, Dr. William Graf.

Research Interests

Fluvial geomorphology; river channel change; human impacts on river systems
Stream restoration; public land and water policy

ACADEMIC POSITIONS AND RANKS HELD

<u>Institution</u>	<u>Rank</u>	<u>Dates</u>	<u>Major Subject</u>
San Diego State University	Instructor	2007 to present	Geography
San Diego State University	Assistant Professor	1999 to 2006	Geography
Arizona State University	Instructor	1996 to 1997	Geography
Arizona State University	Teaching Assistant	1993 to 1995	Geography

SELECTED TEACHING

Physical:

Fluvial Geomorphology, Geomorphology, Physical Geography, Climate and Weather

Environmental:

Environmental and Natural Resource Conservation, Water Resources

SELECTED PUBLICATIONS

Tague, Christina, and Pohl-Costello, Molly. 2008. The potential utility of physically based hydrologic modeling in ungaged urban streams. *Annals of the Association of American Geographers*: 98(3) 1-16.

Tiegs, S., O'Leary, J., Pohl, M., and C. Munill. 2005. Flood disturbance and riparian species diversity on the Colorado River Delta. *Biodiversity and Conservation* 14(5): 1175-1194.

Tiegs, Scott and Pohl, Molly. 2005. Planform channel dynamics of the lower Colorado River: 1976-2000. *Geomorphology* 69: 14-27.

Pohl, Molly. 2004. Channel bed mobility downstream from the Elwha Dams, Washington. *The Professional Geographer* 56(3): 422-431.

SELECTED PUBLICATIONS CONTINUED

- Pohl, Molly. 2002. Bringing down our dams: Trends in American dam removal rationales. *Journal of the American Water Resources Association* 38(6): 1511-1519.
- Pohl, M., I. Hajdas and G. Bonani. 1996. Preliminary AMS radiocarbon record of Holocene and late Pleistocene glacial fluctuations in upper Laurel Lakes Canyon, east-central Sierra Nevada, California, USA. *The Holocene* 6 (4): 463-467.
- Liu, B., F. Phillips, M. Pohl and P. Sharma. 1996. An alluvial surface chronology based on cosmogenic Cl-36 dating, Ajo Mountains, Organ Pipe Cactus National Monument, southern Arizona. *Quaternary Research* 45: 30-37.
- Pohl, Molly M. 1995. Radiocarbon ages on organics from piedmont alluvium, Ajo Mountains, Arizona. *Physical Geography* 16: 339-353.

SELECTED RESEARCH GRANTS AND CONTRACTS

- 2008-09 *Santa Maria Creek Hydrologic and Hydraulic Studies*. Funding: County of San Diego.
Funding Amount: \$4850.
- 2005-6 *Hydrologic and Hydraulic Modeling of the Impacts of Restoring Santa Maria Creek, CA*. Co-PI with Dr. Christina Tague (Geography). Funding: Conservation Biology Institute. Funding Amount: \$35,000.
- 2005 *Santa Maria Creek, CA, River Restoration Analysis – Fluvial Geomorphology*. Funding: Conservation Biology Institute. Funding Amount: \$12,000.
- 2001-3 *Habitat Management Plan for City of San Diego Lands in San Pasqual Valley*. Funding Agency: California Department of Fish and Game. Subcontractor for hydrology and sediment dynamics (est. 20% of workload). Co-PI with Dr. Mike White, Conservation Biology Institute, Encinitas, CA. Funding Amount: \$93,505.
- 2001-2 *Impacts of Urbanization on the Hydrology and Sediment Dynamics of the Torrey Pines Reserve Extension Channel System*. Funding Agency: California Department of Parks and Recreation. Funding Amount: \$10,000.
- 2001 *The “Dam” Debate Hits Home: Dam Removal and River Restoration on a Southern California River*. Funding Agency: San Diego State University (Faculty Development Program Mini-grant). Funding Amount: \$4,242.
- 2000 *The End of Dam Nation? A Geographic Census of Past and Impending American Dam Removals*. Funding Agency: San Diego State University (Grant-In-Aid). Funding Amount: \$6,133.
- 2000 *The Damming of the Elwha River, Washington: Downstream Impacts and Policy Implications*. Funding Agency: San Diego State University (RSCA Mini-grant). Funding Amount: \$3,000.
- 1998 *Historic Channel Change of a Northwest Coastal River, Washington State*. Funding Agency: Geological Society of America (Graduate Research Grant). Funding Amount: \$6000.
- 1998 *The Downstream Impact of Two Dams on a Pacific Northwest River, USA*. Funding Agency: Arizona State University (Graduate Research Grant). Funding Amount: \$1523