

MAYA K. HAYDEN

University of California, Berkeley
Department of Environmental Science, Policy, and Management
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EDUCATION

University of California, Berkeley

PhD Candidate, Environmental Science, Policy, & Management Expected: Summer 2015
"Abandoned channels as refugia for sustaining pioneer riparian forests."

Stanford University

Master of Science, Biological Sciences January 1999
"The effects of elevated carbon dioxide and nitrogen addition on seed quality of five California annual grassland plants."

Bachelor of Science, Biological Sciences June 1998

RESEARCH/PROFESSIONAL EXPERIENCE

California Sea Grant Fellow, NOAA Sentinel Site Cooperative	SF Bay Area (2015-present)
Graduate Student Researcher, UC Berkeley	Berkeley, California (2007-present)
Ecologist/Project Manager, Stillwater Sciences	Berkeley, California (2002–2007)
Marine Program Field Intern, Point Reyes Bird Observatory	San Francisco Bay Area (2001)
Field Research Assistant, Stanford University	San Isidro, Costa Rica (2001)
Associate Scientist, EOA, Inc.	Oakland, California (1999 – 2000)
Graduate Research Assistant, Stanford University (Master's)	Stanford, California (1998-1999)
Field Research Assistant, Center for Conservation Biology	Stanford University (1997-1998)

TEACHING EXPERIENCE

Grad Student Instructor, ES100 Methods in Environmental Science	UC Berkeley (Spring 2013)
Grad Student Instructor, ES100 Methods in Environmental Science	UC Berkeley (Spring 2012)
Grad Student Instructor, ESPM102A Terrestrial Resource Ecology	UC Berkeley (Fall 2009)
Teaching Assistant, Biology Labs: Aquatic Ecology	Stanford University (Spring 1998)

SELECTED FELLOWSHIPS, GRANTS, AND AWARDS

California Sea Grant State Fellowship	California Sea Grant (2015-2016)
Berkeley Connect Fellow	ESPM, UC Berkeley (Spring 2014)
Hannah M. and Frank Schwabacher Memorial Scholarship	ESPM, UC Berkeley (Fall 2013)
Conservation Research Scholarship (SCV Chapter)	California Native Plant Society (2013)
Baker-Bidwell Research Fellowship	ESPM, UC Berkeley (Fall 2012)
Doctoral Dissertation Improvement Grant	National Science Foundation (2010–2012)
Outstanding Graduate Student Instructor Award	UC Berkeley (2010)
Graduate Research Scholarship	Northern California Botanists (2009)
Chancellor's Fellowship	UC Berkeley (2007–2009)
UC Berkeley Edge-AGEP Summer Fellows Program	National Science Foundation (2007)

SERVICE AND OUTREACH

Graduate Student Mentor, Berkeley Connect Program	UC Berkeley (Spring 2014)
Programs and Workshops Chair, Expanding Your Horizons Conference	UC Berkeley (2011-2012)
Hands on Educational Exhibit in Dendroecology, Battles Lab	UC Berkeley (2011-present)
Strategies for Ecology Education, Diversity and Sustainability (SEEDS) Mentor	UC Berkeley (2011)

PEER-REVIEWED PUBLICATIONS

- Dufour, S., **M.K. Hayden**, J.C. Stella, H. Piégay, and J.J. Battles. 2014. Maintaining channel abandonment processes increases riparian plant diversity within fluvial corridors. *Ecohydrology* (Online in advance of print: DOI 10.1002/eco.1546).
- Stella, J.C., **M.K. Hayden**, J.J. Battles, H. Piégay, S. Dufour, & A.K. Fremier. 2011. The role of abandoned channels as refugia for sustaining pioneer riparian forest ecosystems. *Ecosystems* 14: 776-790.
- Hayden, M.K.** 1999. The effects of elevated carbon dioxide and nitrogen addition on seed quality of five California annual grassland plants. *Master's Thesis*, Department of Biological Sciences, Stanford University, California.

INVITED PRESENTATIONS

- Hayden, M.K.**, J.C. Stella, J.J. Battles, S. Dufour, and H. Piégay. 2009. Drivers of pioneer riparian forest dynamics in abandoned channels: an alternate recruitment pathway? Organized Oral Session of the 94th *Ecological Society of America Annual Meeting*, Albuquerque, New Mexico, [Abstract OOS 11-5](#).

SELECTED PRESENTATIONS

- Hayden, M.K.**, J.J. Battles, and J.C. Stella. 2014. Pioneer riparian tree seedling establishment in floodplain refugia is driven by interspecific competition in addition to water availability. *Ecological Society of America Annual Meeting*, Sacramento, California. [Abstract COS 133-9](#).
- Hayden, M.K.**, J.J. Battles, and J.C. Stella. 2011. Experimental evidence of interacting drivers controlling pioneer riparian tree establishment in floodplain refugia. *Ecological Society of America Annual Meeting*, Austin, Texas, [Abstract COS 75-2](#).
- Hayden, M.K.**, J.J. Battles, and J.C. Stella. 2010. Drivers of pioneer riparian forest establishment within abandoned channel refugia. 6th Biennial *Bay-Delta Science Conference* (Ecosystem Sustainability: Focusing Science on Managing California's Water Future), Sacramento, California.
- Hayden, M.K.**, and J.J. Battles. 2010. Drivers of pioneer riparian forest establishment in abandoned channels: when does competition matter? *Northern California Botanists Symposium*, Chico, CA.
- Fremier A.K., J.H. Viers, **M.K. Hayden**, J.C. Stella. 2008. Floodplain Heterogeneity Drives Riparian Vegetation Composition and Structure Through Channel Meander Migration and Channel Abandonment. EOS Transactions of the *American Geophysical Union*, 89(53), Fall 2008 Meeting Supplement, [Abstract H31H-07](#).
- Dufour S., H. Piégay, **M.K. Hayden**, J. Stella, and J.J. Battles. 2008. Impacts of sediment dynamics on terrestrial vegetation of alluvial plains, spatial variability and scaling. *Workshop on vegetation interactions and physical constraints*, Grenoble, France.
- Hayden, M.K.**, W.M. Swaney, A.J. Keith, C.D. Jaquette, M.D. Reil, J.C. Stella, and B.K. Orr. 2007. Former agricultural fields restored to riparian floodplains along the lower Tuolumne River, California: inundation patterns, fish utilization, and revegetation results. *Bulletin of the Ecological Society of America*: Vol. 89, No. 1. [Abstract PS 16-167](#).
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