

## John C. Stella

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### EDUCATION

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| Univ. of California, Berkeley | Environmental Science, Policy and Management Ph.D. | 2005      |
| Univ. of California, Berkeley | Environmental Science, Policy and Management M.S.  | 1998      |
| Yale University               | Architecture                                       | B.A. 1988 |

### APPOINTMENTS

*Assistant Professor*, Forest and Natural Resource Management, SUNY-ESF, 2007–present  
*Adjunct Assistant Professor*, Dept. of Geography, Syracuse University, 2009–present  
*CALFED Science Post-Doctoral Research Fellow*, University of California, Berkeley, 2006  
*Senior Ecologist / Project Manager*, Stillwater Sciences, Berkeley, CA, 1998–2006

### RELEVANT PUBLICATIONS

- Stella, J.C.**, M. Hayden, J. Battles, H. Piégay, S. Dufour, and A. Fremier. 2011. The role of abandoned channels as refugia for sustaining pioneer riparian forest ecosystems. *Ecosystems* 14:776-790.
- Harper, E. B., J. C. Stella, and A. K. Fremier. 2011. Global sensitivity analysis for complex ecological models: A case study of riparian cottonwood population dynamics. *Ecological Applications* 21:1225-1240.
- Stella, J.C.**, and J.J. Battles. 2010. How do riparian woody seedlings survive seasonal drought? *Oecologia* 164:579–590.
- Stella, J.C.**, J.J. Battles, J.R. McBride, B.K. Orr. 2010. Riparian seedling mortality from simulated water table recession, and the design of sustainable flow regimes on regulated rivers. *Restoration Ecology*. 18(S2): 284–294.
- Stella, J.C.**, J.J. Battles, B.K. Orr, J.R. McBride. 2006. Synchrony of seed dispersal, hydrology and local climate in a semi-arid river reach in California. *Ecosystems* 9:1200-1214.

### SIGNIFICANT PUBLICATIONS

- Bendix, J. and **J. C. Stella**. 2013. Riparian vegetation and the fluvial environment: a biogeographic perspective. in J. Shroder, Jr., D. Butler, and C. Hupp, editors. *Treatise on Geomorphology*, Vol. 12. Academic Press, San Diego.
- Schifman, L.A., **J.C. Stella**, M. Teece and T.A. Volk. 2012. Plant growth and water stress response of hybrid willow (*Salix* spp.) among sites and years in central New York. *Biomass & Bioenergy* 36: 316-326.
- Rodríguez-González, P.M., **J.C. Stella**, F. Campelo, T. Ferreira, A. Albuquerque. 2010. Subsidy or stress? Tree structure and growth in wetland forests along a hydrological gradient in southern Europe. *Forest Ecology and Management* 259: 2015–2025.
- Stella, J.C.**, J.C. Vick, B.K. Orr. 2004. Riparian vegetation dynamics on the Merced River. The Wilderness Society Riparian Floodplains Conference Proceedings. Sacramento, CA. March 2001.

## **SYNERGISTIC ACTIVITIES**

- Convener, "*Non-equilibrium Drivers in Mediterranean Climate River and Riparian Ecosystems*",  
2010 American Geophysical Union Annual Meeting
- Co-convener, "*Physical-ecological Linkages and Habitat Dynamics in Abandoned River  
Channels: Implications for River Corridor Management and Conservation*"; 2009  
Ecological Society of America Annual Meeting
- Academic Peer Review for *Environmental Management, Oecologia, Wetlands, Journal of the  
American Water Resources Association*
- Technical Peer Review for USGS Geomorphic and Sediment Transport Laboratory, Merced  
River Adaptive Management Forum, California Regional Water Quality Control Boards,  
California Department of Fish and Game, California Department of Water Resources
- NSF Workshop Participant, "Generalizing Riparian Zone Function at the Landscape Scale: New  
Tools, New Approaches, Gaps in Knowledge and Future Research Directions,"  
Indianapolis, 2008
- Member of the American Geophysical Union, Ecological Society of America, Society for  
Ecological Restoration, Society of Wetland Scientists, and American Association for the  
Advancement of Science

## **COLLABORATORS AND OTHER AFFILIATIONS**

### **Collaborators and Co-Editors**

John Battles (Univ. of California, Berkeley); Simon Dufour, (Univ. of Rennes, France); Tom  
Dudley (Univ. of California, Santa Barbara); Teresa Ferreira (Lisbon Technical Univ., Portugal);  
Alexander Fremier, (Univ. of Idaho); James Gibbs, (SUNY-ESF); G. Matthias Kondolf (Univ. of  
California, Berkeley); Anne Lightbody (Univ. of New Hampshire); Donald Leopold (SUNY-ESF);  
Karin Limburg (SUNY-ESF); Joe McBride (Univ. of California, Berkeley); Bruce Orr (Univ. of  
California, Santa Barbara and Stillwater Sciences); Hervé Piégay (Univ. of Lyon and National  
Center for Scientific Research, France); Patricia Rodríguez-González (Lisbon Technical Univ.,  
Portugal); Kim Schultz (SUNY-ESF); Andrew Wilcox (Univ. of Montana)

### **Graduate Advisors and Postdoctoral Sponsors:**

Joe McBride, University of California, Berkeley (M.S. advisor and Ph.D. co-advisor)  
John Battles, University of California, Berkeley (Ph.D. co-advisor and postdoctoral sponsor)

### **Postdoctoral sponsor to:**

Elizabeth Harper, SUNY-ESF (2009-2010)  
Alexander Fremier, University of Idaho (2008)

### **Graduate advisor to:**

Li Kui (Ph.D. expected 2015); Laura Johnstone (M.S. expected 2013); Jim Katz (M.P.S.  
expected 2013); Katherine Hogle (M.P.S. expected 2011); Anna Harrison (M.S. 2011); Laura  
Schifman (M.S. 2010); Kacie Gehl (M.S. 2009); Tyler Talucci (M.P.S., 2010)

### **Total graduate students advised (as committee member):**

Postdoc= 2, Ph.D.=10; M.S.=18 (all at SUNY-ESF)