

Ryan M. Boynton

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Urban Land Use and Transportation Center (ULTRANS)
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Education:

- *Bachelor of Science (B.S.)* in Environmental Biology and Management with emphasis in Conservation Biology and Management , University of California, Davis, **2006**
 - Minor: Geographic Information Systems

Research Interest:

- Habitat Conservation and Restoration
- Urban Growth and Transportation Modeling and Planning
- Biogeography
- Landscape Ecology
- Ecosystem Analysis and Management

Work Experience:

- January 2007 – Present. University of California, Davis, Department of Environmental Science and Policy - GIS Programmer. Perform programming tasks for GIS programs and remote sensing applications. Assist in programming and analysis of systems; use electronic data processing and other tools for data collection, integration, analysis and reports related to environmental science and policy subjects. Perform a range of GIS programming and remote sensing production tasks, including the digital development of historic maps and predicting future land use patterns in California.
- April 2006 – December 2006. University of California, Davis, Department of Environmental Science and Policy - Student Assistant III (GIS Assistant). GIS assistant for the Weislander Project. Assist in registration, digitizing vegetation polygons, attributing, error checking and joining attribute details to Weislander tiles; query in digitized maps for preparing figures and tables for reports; update plant species code lookup tables in Microsoft Access; train new students; flag errors in the database and correct them.

Recent Publications:

- Li, Taian, F. Shilling, J. Thorne, F. Li, H. Schott, R. Boynton, A. Berry. In Press. Fragmentation of China's Landscape by Roads and Urban Areas. *Landscape Ecology*.

Published Conference Proceedings and Presentations:

- Bjorkman, J., J.H. Thorne, S. Thrasher, R. Boynton. 2008. Landscape change in the Bay Area: using historic maps to show vegetation change. 10th Annual Bay Area Conservation Biology Symposium, Davis, CA.
- Thrasher, Sarah, J. Bjorkman, R. Boynton, R. Kelsey. 2008. Historical Distribution of Oak Species in the Central and Northern Sierra Nevada. *Proceedings of the sixth California oak symposium: today's challenges, tomorrow's opportunities*. Adina Merenlender, Douglas McCreary, and Kathryn L. Purcell, tech. eds. Gen. Tech. Rep. PSW-GTR-217. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station.
- Thorne, J. H., J. Bjorkman, R. Boynton, S. Thrasher. 2008. Observed Changes in Vegetation Patterns in California. California Energy Commission's Second Annual Climate Change Conference, Sacramento, CA.
- Thorne, J.H., S. Dobrowski, R. Boynton, S. Thrasher, J. Bjorkman, H. Safford. 2008. Ecotones and Vegetation Bands – 70 years of vegetation dynamics in the Sierra Nevada. California Society for Ecological Restoration, Santa Rosa, CA. Invited talk.