

## MICHAEL ROBINSON

PhD Candidate, Department of Geography  
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### EDUCATION

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Ph.D. University of California, Santa Barbara, Department of Geography, *expected completion date: March 2009.*

Dissertation: Impacts of heterogeneous behavior on fishing fleet location and performance.

Research focus: Travel behavior modeling & visualization, GIS & fisheries mapping, marine resource management and economics.

Graduate advisor: [Dr. David Siegel](#), Director, [Institute for Computational Earth System Science](#) at UCSB.

M.A. University of California, Santa Barbara, Department of Geography, 2004.

Thesis: The Effects of Lake Hydrology and Bootstrapping of Reservoir Inflow on Reservoir Capacity.

Research focus: Environmental & groundwater hydrology, hydrologic modeling.

Graduate advisor: [Dr. Hugo Loaiciga](#).

B.S. University of California, Santa Barbara, Department of Environmental Studies, 1996. Graduation with honors.

### TEACHING EXPERIENCE

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*Santa Barbara City College*

Instructor of record: Physical Geography (Spring 2009, Fall 2008, Spring 2008, Fall 2007); Economic Geography (Spring 2009, Fall 2008); Introduction to Geographic Information Systems (Spring 2009).

*Ventura Community College*

Instructor of record: Environmental Science and Resource Management (Spring 2008); Physical Geography laboratory (Fall 2007, Fall 2004).

*University of California at Santa Barbara*

Instructor of record: Land surface processes (Summer 2005).

Teaching assistant: The California Current (oceanography & fisheries management); Geovisualization; Physical Geography; Meteorology; Environmental Hydrology; Groundwater Hydrology; Water Pollution (Fall 2002-Spring 2007).

### RESEARCH EXPERIENCE

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- Jan 2008-Dec 2008: "Fisheries information cooperative GIS support project." [Sustainable Fisheries Group](#).
- Sept 2005-June 2008: "[Flow, Fish, and Fishing](#)." National Science Foundation. Dr. David Siegel, research advisor.

- June 2007-Aug 2007: "Preserving Local Ecological Knowledge (LEK): Santa Barbara Channel Coastal & Marine Oral History Project." UCSB Oral History Project and [Shoreline Preservation Fund](#). John Richards, research advisor.
- June 2005-Oct 2005: "GIS technical support for fishing communities engaged in the Marine Life Protection Act (MLPA) I." [California Fisheries Coalition](#) (CFC).
- Aug 2004-Sept 2004, March 2005-June 2005: "West Coast Squid Habitat and Distribution GIS Mapping Project." [California Wetfish Producers Association](#) (CWPA). Diane Pleschner-Steele, research coordinator.
- May 2004-Sept 2004: "Trawl Fisheries Habitat Mapping Pilot Project (Pt. Sur to Pt. Conception)." Central California Joint Cable/Fisheries Liaison Committee (CCJC/FLC) Commercial Fishing Industry Improvement Fund. Dr. Monica Hunter, research advisor.
- May 2003-Sept 2004: "Mapping Marine Space: Marine-Protected Areas, Geographic Information Science, and Civil Society." National Science Foundation ADVANCE Fellows Award. [Dr. Barbara Walker](#), research advisor.
- May 2003-June 2004: "Balancing Conservation, Subsistence, and Economic Growth in French Polynesia's Lagoons." John D. and Catherine T. MacArthur Foundation Grant. Dr. Barbara Walker, research advisor.

## **WORK EXPERIENCE**

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- Oct 1997-Sept 2002: *Director*, IMPACT, Presbytery of Santa Barbara. Plan yearly international mission trips for adults and high school and college students. Research, contact and visit host countries. Review participant applications. Choose and train leaders and team members. Plan and deliver public presentations. Organize and empower 10-member executive council. Network with 30 churches, presbytery staff and national Presbyterian Church (PCUSA) Worldwide Ministries Division. Plan and maintain yearly budget.
- Sept 1996-Oct 1997: *Computer Technician*, Prism Network Solutions. Troubleshoot and upgrade hardware and software. Contact vendors and clients to design, order, setup and manage PC and MAC LANs and WANs. Website design and publishing.

## **PRESENTATIONS**

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- "Public Participation GIS and Fishery Management: A Cooperative Investigation." [Ventura College GIS Day](#), November 2008.
- Walker, B.L.E. and M. Robinson, "Marine Protected Areas, Economic Development, and Gendered Access to Fishing Resources in Moorea, French Polynesia." UCSB Environmental Studies Associates community lecture, November 2008.
- "Location choice and expected catch: Determining causal structures in fisherman travel behaviour." [American Fisheries Society](#) annual meeting, Ottawa, Canada, August 2008.
- "Using GIS to determine access to marine resources in Moorea, French Polynesia." [Spatial@ucsb](#): Connecting our region through GIS and geospatial technologies, UCSB, May 2008.

- “Heterogeneity and consistency in commercial fishing fleets: Effects on fleet modeling and fish stock management.” [Association of American Geographers](#) annual meeting, Boston, MA, April 2008.
- “Location Choice and Expected Catch: Causal Structures in Commercial Fishing Fleet Travel Behavior.” [University of California Transportation Center](#) annual meeting, UCSB, January 2008.
- “Heterogeneous fishing effort and catch: effects on stocks & yields.” [Santa Barbara Coastal Long Term Ecological Research](#) annual meeting, UCSB, June 2007.
- “The Effects of Lake Hydrology on Reservoir Design and Operation.” UCSB Department of Geography colloquium, October 2003.
- “GIS Environmental Decision Making in California’s Marine Protected Areas: Problems and Prospects.” [Association of Pacific Coast Geographers](#) annual meeting, Portland, OR, September 2003.

## **GRANTS AND AWARDS**

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- Winter 2008: Sustainable Fisheries Group research grant (“Fisheries information cooperative GIS support project,” \$46,000).
- Winter 2007: Jack and Laura Dangermond travel grant (\$1,500).
- Spring 2006: UCSB Geography Department Excellence in Teaching award.
- Summer 2005: UCSB Summer Teaching Institute for Associates.

## **PUBLISHED WORKS**

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- Walker, BLE, and M. Robinson, “Economic Development, Marine Protected Areas, and Gendered Access to Fishing Resources in a Polynesian Lagoon” [Gender, Place, and Culture](#) (accepted, likely published in 2009).
- Robinson, M., “Santa Barbara Channel Region Selected Commercial Fishing Area Closures” [map]. In: Culver, C.S., J.B. Richards, and C.M. Pomeroy, [Commercial Fisheries of the Santa Barbara Channel and Associated Infrastructure Needs](#), California Sea Grant College Program: La Jolla, California, 2007, p.100.
- Robinson, M., C. Miller, C. Hoeflinger, B. Walker, “[Problems and Recommendations for Using GIS to Improve Decision-Making in California’s Channel Islands Marine Reserves.](#)” [MPA News](#), Vol. 7, No. 5 (Nov 2005).

## **PROFESSIONAL MEMBERSHIPS AND OTHER INVOLVEMENT**

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- Member: Association of American Geographers (general membership and cartography specialty group); [Surfrider Foundation](#).
- Faculty advisor for Santa Barbara City College triathlon team (under development).
- Volunteer in daughters’ elementary school classrooms.

## **RELATED SKILLS AND ABILITIES**

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- Expert in Windows operating system, Microsoft Office products (Word, Excel, Powerpoint, Access, and Publisher), ArcGIS, database creation and management.

- Proficient in Macintosh and UNIX operating systems, Matlab, LIMDEP, BayesX, Macromedia Dreamweaver, Macromedia Flash, Macromedia Freehand, web design and publishing.

## REFERENCES

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- [David Siegel](#), Department of Geography, University of California, Santa Barbara, California, 93106. Tel: 805-893-4547. Fax: 805-893-3146. Email: davey@icess.ucsb.edu.
- [Jan Schultz](#), Department of Earth Science, Santa Barbara City College, 721 Cliff Drive, Santa Barbara, California, 93109. Tel: 805-965-0581 x2313. Email: schultz@sbcc.edu.
- [Barbara Walker](#), Institute for Social, Behavioral, and Economic Research, University of California, Santa Barbara, California, 93106. Tel: 805-893-3576. Email: blewalker@isber.ucsb.edu.
- [Stuart Sweeney](#), Department of Geography, University of California, Santa Barbara, California, 93106. Tel: 805-893-5647. Fax: 805-893-3146. Email: sweeney@geog.ucsb.edu.