

Joseph Sapp

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EDUCATION

- 2006-present Ph.D student studying behavioral ecology
Department of Ecology and Evolutionary Biology, University of California, Santa Cruz
- 2003 University of California, Berkeley
Bachelor of Arts, Integrative Biology, focus on Animal Behavior
Education minor

RESEARCH EXPERIENCE

- 2005-2006 Laboratory Research Assistant, UC Berkeley Fire Center
Conducted research of literature and in the field for a project on urban-wildland fires. Required knowledge of GIS and GPS technologies.
- 2000-2006 Laboratory Research Assistant, Dr. Mary Power's Lab, UC Berkeley
Assisted in a wide variety of academic projects in diverse ways. Skills acquired include: experimental design, data collection in the field, arthropod classification and dissection via microscopy, knowledge of various laboratory techniques and methods including isotope analysis, data entry and analysis via software, literature review, web publishing, field use of GPS, GIS analysis and map creation, and extensive field work in challenging conditions.
- Summer 2004, Nyanza Project, Kigoma, Tanzania
Summer 2002
- Conducted independent research on foraging behavior and species composition of cichlid fishes in response to littoral habitat structure.
 - Conducted experiment on effects of fine sediments on snail survival in Lake Tanganyika.
 - Coordinated logistics of running a scientific laboratory in an extremely remote, unpredictable environment.
 - Funded by a National Science Foundation REU Fellowship.
- Summer 2003 Galeta Marine Reserve, Galeta, Panama
- Assisted Dr. Wayne Sousa of UC Berkeley in his field research on the effects of lightning-induced canopy gaps on mangrove forest ecology.
- Summer 2001, Angelo Coast Range Reserve, Mendocino County, California
Summer 2000
- Collaborated with UC Berkeley graduate student Blake Suttle on research examining the nature of resource limitation in the generalist grasshopper *Melanoplus devastator*.
 - Research assistant for Dr. Mary Power of UC Berkeley on a field experiment examining the effects of fine sediment on juvenile salmonids and the food web supporting them.

OTHER EMPLOYMENT

- 2005 Lead Interpretive Naturalist, Aquarium of the Bay, San Francisco, CA
Managed, trained, and worked with a team of 20 employees charged with the education and enjoyment of aquarium guests. Duties included scheduling, training, reporting on, and disciplining naturalists, designing curriculum for school groups, presenting classes on marine biology, identifying organisms, presenting natural history facts of interest to guests, and reporting on well-being of animals, facilities, and coworkers to supervisors.

- 2004-2005 Substitute Teacher, Berkeley Unified School District
Worked with students of diverse ages and backgrounds teaching various subjects in urban schools.
- 2004 Teacher's Assistant, Nyanza Project, Kigoma, Tanzania
Lectured and advised undergraduates on independent research projects regarding biology of Lake Tanganyika. Assisted with the general running of the project in an unpredictable environment.
- 2003-2004 Advanced Placement Biology High School Teacher, Berkeley Unified School District
Designed and administered lectures, assignments, curriculum, and labs for 60 exceptional high school students in a college-level class.
- 2001-2003 Resident Assistant, UC Berkeley
Organized events for, counseled, advocated for, and wrote weekly reports regarding 60 college students living in a dormitory. Developed extensive planning, presentation, time-management, organizational, and leadership skills.

VOLUNTEER EXPERIENCE

- 2004 Volunteer teacher, Usa River Academy, Arusha, Tanzania
Taught classes, assisted teachers, collaborated with administrators, and assisted with planning of science fair at an African boarding school.
- 2001 Introductory Biology Lab teaching assistant
Assisted graduate instructor in college-level biology labs at UC Berkeley. Gave lectures.
- 2000 Cal Adventures Student Teacher
Assisted staff in an outdoor adventure company in conjunction with a college course on experiential education.

SKILLS, AWARDS, HONORS

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| NSF Graduate Research Fellowship (2006) | PADI scuba rescue diver certification (2004) |
| Gompertz Grant in aid of research (2002) | CPR certification (2003) |
| Explorer's Club field research grant (2000) | Eagle Scout (1998) |
| | Intermediate French, conversational Swahili |

PUBLICATIONS/CONFERENCE PRESENTATIONS/CONFERENCE POSTERS

Suttle, K.B. & J. Sapp. The importance of resource abundance, composition, and diversity for a generalist grasshopper. *in prep.*

Gilbert, D.; McIntyre, P.; Michel, E.; & Mulongaibalu, M.; Sapp, J.; Responses of herbivorous cichlid fishes to anthropogenic sedimentation in Lake Tanganyika. Poster at the Society for Comparative and Integrative Biology Annual Meeting, New Orleans, LA, 2004.

Sapp, J. The Dirt on snails: An experimental test of the effects of fine sediments on snail mortality. Nyanza Project Annual Report. 2004.

Solomon, C.T.; McIntyre, P.B.; Michel, E.; Miller, S.A.; Chan, J.; Sapp, J.; & France, K. Littoral algivores of Lake Tanganyika: comparing the influence of fishes and snails. Presented at the North American Benthological Society Annual meeting, Athens, Georgia, 2003.

Suttle, K.B.; Sapp, J.; & M.E. Power. Resource-limitation in a generalist grasshopper. Presented at the Annual Meeting of the Ecological Society of America, Spokane, WA. 2002.

Sapp, J. The Dirt on Fish: Effects of Anthropogenic Sedimentation on Fish Behavior and Nutrition. Nyanza Project Annual Report. 2002.