

Corey A. (Love) Krabbenhoft

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RESEARCH INTERESTS

I am interested in aquatic ecology. My Masters research focused on how the abundance and species composition of fishes and invertebrates change over time relative to one another in arid systems. I have experience in field and laboratory procedures for ecological studies, taxonomic identification of aquatic invertebrates and fishes and statistical interpretation of community and isotopic data.

EDUCATION

Master of Science with Distinction	Biology, 2012 <i>The contribution of young-of-year fishes to aquatic food web dynamics in an arid-land river system (Rio Grande, New Mexico)</i> Major Advisor: Thomas F. Turner University of New Mexico Albuquerque, New Mexico
Bachelor of Science	Biology, 2009 Minor: Anthropology University of New Mexico Albuquerque, New Mexico

RESEARCH EXPERIENCE

April 2013 – Present	Research Assistant, Department of Wildlife and Fisheries Sciences, Texas A&M University
February 2013 – April 2013	Research Technician, Department of Biology, University of New Mexico
August 2012 – December 2012	Research Technician, Museum of Southwestern Biology, Division of Fishes, University of New Mexico
June – August 2012	International Research Experience for Students program, funded by the National Science Foundation: Mongolia
August 2010 – July 2012	MS Student, Department of Biology, University of New Mexico
January 2010 – August 2010	Laboratory and Field Technician, Museum of Southwestern Biology, Division of Fishes, University of New Mexico
August – December 2009	Undergraduate Research Assistant, Department of Biology, University of New Mexico

- Krabbenhof, C.A.***, Burdett, A.S., Turner, T.F. The contribution of young-of-year fishes to food web dynamics in the Rio Grande.
- May 2012 Society for Freshwater Science, Louisville, KY
Turner, T.F.*, **Krabbenhof, C.A.**, Burdett, A.S. Trophic interactions and nutrient cycling in refugial pools depend on pool location and persistence time in a dryland river system.
- May 2012 Master's Thesis Defense, Department of Biology, UNM, Albuquerque, NM
Krabbenhof, C.A.* The contribution of young-of-year fishes to aquatic food web dynamics in an arid-land river system (Rio Grande, New Mexico).
- November 2011 Brown Bag Seminar, Department of Biology, UNM, Albuquerque, NM
Krabbenhof, C.A.* The contribution of larval fishes to aquatic food web dynamics.
- July 2011 American Society for Ichthyologists and Herpetologists, Minneapolis, MN
Love, C.A.*, Burdett, A.S., Turner, T.F. The feeding habits of larval fishes: abiotic influences and food web impact.
- July 2011 American Society for Ichthyologists and Herpetologists, Minneapolis, MN
Turner, T.F.*, Krabbenhof, T.J., **Love, C.A.** New insights from old specimens: Effects of intensive river regulation in the Rio Grande revealed from stable isotopes of preserved material.
- June 2010 North American Benthological Society Meeting, Santa Fe, NM
Turner, T.F.*, Krabbenhof, T.J., Collyer, M.L., **Love, C.A.** A new hypothesis testing framework for stable isotope ratios in ecological studies with examples from the Rio Grande.

POSTER PRESENTATIONS

- July 2013 American Society for Ichthyologists and Herpetologists, Albuquerque, NM
Krabbenhof, C.A.*, Burdett, A.S., Turner, T.F. A mesocosm study of trophic interactions in a desert river (Rio Grande, New Mexico).
- April 2011 Research Day, Department of Biology, UNM, Albuquerque, NM
Love, C.A.*, Burdett, A.S., Turner, T.F. The feeding habits of larval fishes: abiotic influences and food web impact.
- April 2011 Research Day, Department of Biology, UNM, Albuquerque, NM
Peralta, M.F.*, Burdett, A.S., **Love, C.A.**, Turner, T.F. Influences of habitat and predatory fish on mosquito abundance in a mesocosm experiment.
- October 2009 Desert Fishes Council, Death Valley, CA
Bishara, R.K.*, Johnson, E.L.*, **Love, C.A.***, Burdett, A.S. and Turner, T.F. Aquatic invertebrate ecology in the Rio Grande, New Mexico: A comprehensive undergraduate training program.

GRANTS AND AWARDS

- May 2012 IRES student stipend, NSF: \$2000

March 2012	Alvin R. & Caroline G. Grove Summer Research Scholarship, UNM Biology: \$1000
March 2012	Clifford Crawford Scholarship, UNM Biology: \$1500
June 2011	Student Conference Award Program, UNM Career Services: \$600
April 2011	Clifford Crawford Scholarship, UNM Biology: \$900
March 2011	Graduate Research Allocations Committee, UNM Biology: \$400

TEACHING

Spring 2012	Limnology 496L, Professor: Clifford Dahm; 6 students
Fall 2011	Genetics 202L, Professors: Ulfar Bergthorsson and Kelly Howe; 70 students
Spring 2011	Ichthyology 487L, Professor: Thomas Turner; 19 students

PROFESSIONAL AND DEPARTMENTAL ACTIVITIES

October 2012	Reviewer, Chapter 15, <i>Ecology of North American Freshwater Fishes</i> , by Stephen T. Ross, University of California Press
April 2012	Guest lecturer (3 lectures), Limnology 496, Department of Biology, UNM “Benthic Invertebrates”, “Aquatic Insects”, “Paleolimnology”
April 2011	Poster judge, 20 th Annual Research Day, Department of Biology, UNM
October 2011	Reviewer, Graduate Resource Allocations Committee, Department of Biology, UNM
September 2010	Graduate student reviewer, Undergraduate Academic Portfolio Workshop, Department of Biology, UNM
April 2010	Poster judge, 19 th Annual Research Day, Department of Biology, UNM
Fall 2009	Developed an Aquatic Invertebrate Reference Collection, Museum of Southwestern Biology, Division of Fishes and Division of Arthropods, UNM -Reference collection available online at http://msb.unm.edu/fishes/aquatic.htm

INTERNATIONAL EXPERIENCE

Jun – Aug 2012	Mongolia I was chosen as a student for the International Research Experience for Students program, funded by NSF. Each student participated in all projects including long term data collection, individual student projects and collaboration with Mongolian researchers. My research was on the food webs of the tributaries to Lake Hovsgol.
October 2009	Panama

As part of an upper-level, undergraduate herpetology course, 5 days were spent in El Cope, Panama collecting herpetology specimens with a focus on the genus *Anolis*.

March 2008 Costa Rica
As part of an upper-level, undergraduate tropical biology course, 9 days were spent traveling around Costa Rica collecting specimens for herpetology, mammalogy, ornithology and botany.

OUTREACH

August 2012 Project website, IRES research, Mongolia
I am assisting the development of a web page accessible to the non-scientific community to relate our experiences and research in Mongolia.
<http://maaeri.weebly.com/>

July 2012 Community day, Uur River/Erdenebulgan, Mongolia
Outreach day organized to introduce local grade school students to the aquatic research going on in the Eg and Uur rivers and the potential for community involvement.

October 2010 Seminar, Albuquerque Biological Park Aquarium, Albuquerque, NM
Burdett, A.S.*, **Love, C.A.*** Finding Nematodes: Food web ecology in the middle Rio Grande, New Mexico. (*Invited presentation*)

August 2010 Museum donation, Explora, Albuquerque, NM
Caught and donated live fish to a local children's science learning center. Fishes were included in an aquarium exhibit displaying the native fish fauna of the Rio Grande.

June 2010 Middle school outreach day, Sevilleta NWR, NM
Hosted a group of local middle school students at a mesocosm field site. Students participated in data collection and were taught about aquatic ecology in the Rio Grande.

PROFESSIONAL AFFILIATIONS

Society for Freshwater Science (formerly North American Benthological Society)

Desert Fishes Council

American Society of Ichthyologists and Herpetologists