

RACHEL CHUDNOW

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SUMMARY OF QUALIFICATIONS

- Field experience in a variety of research settings utilizing diverse procedures
- Proficient in performing in-depth literary searches, data analysis, and scientific writing
- Experience collaborating as a member of a research team and conducting independent research
- Capable of managing multiple projects and experience working with tight deadlines and budgets

EDUCATION

Doctor of Philosophy in Zoology Sept. 2012-Present
University of British Columbia, Vancouver, British Columbia

- Working thesis title: “Evaluating the population ecology and fishery options for bull trout in the Nechako River”

Masters of Science, Zoology Sept. 2010-Present
University of British Columbia, Vancouver, British Columbia

- Thesis title: “In search of ‘effective management’ case study of the British Columbia Dungeness crab (*Cancer magister*) fishery and lessons from domestic and international experience

Bachelor of Science, Honours Marine Biology 2008
Dalhousie University, Halifax, Nova Scotia

- Thesis title: “Are jellyfish populations increasing worldwide (and why)?”

RELEVANT WORK EXPERIENCE

Research Assistant 2011
Fisheries Centre, University of British Columbia, Vancouver

- Conducted literature reviews regarding global shifts in fishing effort and resource exploitation in the Sargasso Sea

Laboratory Instructor 2010-2012
Department of Biology, University of British Columbia, Vancouver

- Independently taught course curriculum
- Coordinated and guided laboratory and field based data collection and analysis

Fisheries Technician 2009-2010
Department of Fisheries and Oceans, Dartmouth, Nova Scotia

- Prepared, organized, and created materials for use in field sampling
- Conducted field sampling for annual lobster maturity study and assisted with data analysis
- Carried out field sampling utilizing scientific lobster traps and compiled and analyzed field data as part of a research project on lobster settlement patterns
- Carried out the taxonomical identification of fish, invertebrate, and algal species using microscopy
- Organized and analyzed data regarding annual catch rates within the Nova Scotia sea urchin fishery
- Assisted in the development of program for, and supervised three YMCA interns within the laboratory

Fisheries Technician 2008
Department of Fisheries and Oceans, Dartmouth, Nova Scotia

- Collected confidential data through correspondence with colleagues and stakeholders
- Compiled data and performed qualitative and quantitative analysis of over 6 projects regarding the Canadian Offshore American Lobster and Jonah crab fisheries
- Created multimedia and presentations for government assessments and stakeholders advisory meetings

Research Assistant Summer 2006
Dalhousie University, Halifax, Nova Scotia

- Located and compiled of 850 files of physical and biological data regarding continental shelf ecosystems for use in the Lenfest Ocean Program funded Trophic Cascade Project

Archives Assistant Summer 2008
Dalhousie University Archives and Special Collections, Halifax, Nova Scotia

- Independently appraised, arranged, and described the life research of Dr. Ransom Myers, Killiam Chair of Ocean Studies at Dalhousie University

Gulf of St. Lawrence Bottom Trawl Survey Research Assistant 2006
Department of Fisheries and Oceans Canada, Moncton, New Brunswick

- Worked as a member of a research team to assist in the collection, species identification, and detailed biological sampling of daily trawling operations aboard the research vessel Teleost
- Conducted an observational study of marine species survival following exposure to air

Fish and Invertebrate Husbandry Volunteer 2002 - 2004
Mystic Aquarium and Institute for Exploration, Mystic, Connecticut, USA

- Carried out husbandry and emergency procedures following institute protocol

RELEVANT ACADEMIC PROJECTS

Master's thesis 2010-2012
University of British Columbia, Vancouver

- Conducted a literature review of the history and management of the BC Dungeness crab fishery
- Carried out a detailed analysis of the history and impacts of the Canadian Larocque Decision
- Utilized case studies of international management experience to inform industry within British Columbian Dungeness crab fishery in Area A
- Consulted extensively with industry and the federal government to reach project objectives

Honours Research Project 2007 - 2008
Dalhousie University Biology Department, Halifax, Nova Scotia

- Collected historical records on 24 categories of biological and physical oceanographic data
- Created a multi-system database of aforementioned data for use within the framework of the research project and to be made available to the global scientific community

QUANTITATIVE PROGRAMS USED

- Excel, S, S-plus and R, Ecopath with Ecosim

PUBLICATIONS

Harper, S., Bevacqua, D., Chudnow, R. Giorgi, S. Guillonneau, V. Le Manach, F., Sutor, T. and Sumaila, U. 2012. Fuelling the fisheries subsidy debate: Agreements, loopholes and implications. Fisheries Research. 113(1). Pg. 143-146.

PUBLICATIONS IN REVISION

Sumaila, R., Clark, C., Chudnow, R., Kleisner, K., Froese, R., Pauly, D., and Watson, R. (2012). What can catch data tell us about fish biomass? ICES Journal of Marine Science. In revision.

ORAL PRESENTATIONS

World Fisheries Conference 2012

Canadian Capture Fisheries Research Network
Annual General Meeting 2011

POSTER PRESENTATIONS

Canadian Capture Fisheries Research Network
Annual General Meeting 2011

Dalhousie University Cameron Conference 2008

CONFERENCES ATTENDED

Crab Sectorial Committee meeting 2011

Eastern Shore Fishermen's Protective Association
Annual Lobster Meeting 2009

Framework and Assessment of Offshore
Lobster and Jonah Crab in LFA 41 (4X and 5Ze) 2009
Maritimes Region Science Advisory Process Meeting

4th Eastern Scotian Shelf Integrated Management Plan Forum Workshop 2008

Dalhousie University Cameron Conference 2007

EXTRACURRICULAR INTERESTS

- Glotman-Simpson Cycling Women's race team 2012
- UBC Varsity Rowing 2010-2011
- Athlete and manager, Dalhousie Varsity Track and Field Team 2003-2008
- Executive Officer, Dalhousie Association of Marine Sciences 2007-2008