

Ross Whippo
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Education

- 2011-2013 University of British Columbia, Department of Zoology
MSc, focus in Marine Ecology, Advisor: Mary I. O'Connor
- 2009-2011 University of Washington, School of Aquatic and Fishery Sciences
BS *cum laude* with Departmental and Faculty Honors, Minor in Marine Biology.

Professional Positions

- 2015-Present Biologist - Smithsonian Institution, MarineGEO
- 2014 Scientific Diving Asst. Instructor - Friday Harbor Labs
- 2014 Research Technician - Hakai Beach Institute
- 2014 Dive Technician - Salomon Lab, Simon Fraser Univ.
- 2013 Asst. Dive Safety Officer - Bamfield Marine Sciences Centre
- 2011-2013 Graduate Researcher - O'Connor Lab, Univ. of British Columbia
- 2011 Dive Technician - Duggins Lab, Univ. of Wash., Friday Harbor Labs
- 2008-2009 Naturalist - Seattle Aquarium

Awards and Distinctions

- 2013 Kevin Flanagan Travel Award - American Academy of Underwater Sciences (\$800)
- 2011-2012 Faculty of Science Graduate Award - UBC (\$1000/yr)
- 2011 Faculty Merit Award - School of Aquatic & Fishery Sciences, UW (\$500)
- 2011 Dean's Medal - College of the Environment, UW

Research Grants and Awards

- 2012 Research Grant - Bamfield Marine Sciences Centre (\$1500)
- 2012 SciFund Challenge - RocketHub Crowdfunding (\$1300)

Publications

- Whippo RW.** Seagrass epifaunal communities of Barkley Sound: Epifaunal diversity varies across small spatial and temporal scales (Master's Thesis).
<http://hdl.handle.net/2429/45709>
- Lowe AT, **Whippo RW**, Galloway AWE, Britton-Simmons KH, Dethier MN (2014). Sedentary urchins influence benthic community composition below the macroalgal zone. *Marine Ecology*. doi: 10.1111/maec.12124

Presentations

- 2015 'The MarineGEO Network: Integrated Ecological Observatories for Changing Marine Ecosystems' - oral
American Academy of Underwater Sciences Conference, Key West
- 2013 'Invertebrate epifaunal communities are structured by local and regional processes in seagrass' – oral (*Winner - best oral presentation*)
American Academy of Underwater Sciences Conference, Curaçao
- 2013 'Linking local and regional diversity of invertebrate mesograzers communities' – oral
Ecological Society of America, Minneapolis, MN, USA
- 2012 'The application of metacommunity theory to BC seagrass meadows' – oral
Pacific Ecology and Evolution Conference, Bamfield, BC, Canada
- 2011 'Benthic community structure mediated by the red sea urchin in the San Juan Archipelago' - oral
Western Society of Naturalists Conference, Vancouver, WA, USA
- 2011 'Effects of the red sea urchin on benthic invertebrate communities: A link to spatial subsidies' – oral (*Winner – best oral presentation*)
American Academy of Underwater Sciences Conference, Portland, Maine, USA
- 2011 'Effects of the red sea urchin on benthic invertebrate communities: A link to spatial subsidies' – poster (*Winner – best poster*)
Salish Sea Ecosystem Conference, Vancouver, British Columbia, Canada
- 2010 'Marine science research at Friday Harbor Laboratories' – oral
Seattle Central Comm. College, Seattle, Washington, USA (Invited)

Certifications and Training

Scientific Diver - American Academy of Underwater Sciences/Canadian Association of Underwater Science

SCUBA Diving Instructor Candidate – SCUBA Diving International

Divemaster - Professional Association of Dive Instructors

Small Vessel Operator Proficiency - Transport Canada

Marine Emergency Duties A3 - Transport Canada

Boating Safety Training - Commonwealth of Virginia

Wilderness First Aid - Remote Medical International

Marine First Aid - Canadian Red Cross

Restricted Operator Certificate: Digital Selective Calling - Industry Canada

Oxygen Administration for Divers – Divers Alert Network

Nitrox - Professional Association of Dive Instructors

Teaching Positions

- 2014 Scientific Diving (BIOL 497) - Instructor: Pema Kitaeff
University of Washington, Friday Harbor Laboratories
- 2011-2013 Department Of Biology: Intro. Ecology, Adv. Ecology, Aquatic Ecology
(BIOL 230, 306, 402)
University of British Columbia
- 2011 Department Of Aquatic And Fishery Sciences: Biology Of Shellfish
(FISH 310) - Instructor: Steven Roberts
University of Washington, School of Aquatic and Fishery Sciences
- 2010 Rescue Dive Skills - Instructor: Pema Kitaeff
University of Washington, Friday Harbor Laboratories

Outreach Activities

- 2012-Present Membership Committee – American Academy of Underwater Sciences
- 2015 World Ocean Day Guest Expert – National Museum of Natural History
- 2012-2013 Marine Science Career Panel – Bamfield Marine Sciences Centre
- 2012 Beaty Biodiversity Museum Outreach – Beaty Biodiversity Museum
- 2011-2012 Expert Day Science Volunteer – Friday Harbor Elementary
- 2011 Diver for a Day Educational Dive Presenter – San Juan Island Schools
- 2010 Friday Harbor Labs Open House Dive Education Presenter
- 2009 3rd grade Science Outreach Program – Friday Harbor Elementary
- 2008-2010 Life Sciences and Environmental Interpretation Volunteer – Seattle Aquarium

Professional Memberships

American Academy of Underwater Sciences, Canadian Association of Underwater Science, Professional Association of Dive Instructors, Divers Alert Network

Skills

Experimental Design, Biological Statistics, Scientific Writing, Underwater Equipment (deployment/recovery, transect laying & maintenance), Marine Organism Collection Methods, Standard Laboratory Protocols, Small Watercraft Piloting, Environmental Interpretation (ecology and organisms of the Northeast Pacific), Software (R, PRIMER, MS Office, LaTeX, Linux), Public Speaking