



## Island Biogeography and Ecosystem Subsidies on British Columbia's Central Coast Islands

Available **MSc, PhD and Postdoctoral Positions** with the Hakai Beach Institute, in collaboration with Simon Fraser University and the University of Victoria

The [Hakai Beach Institute](#) is establishing a large collaborative and multi-disciplinary research program linking island biogeography with ecosystem subsidies on islands of the Central Coast of British Columbia, Canada. This research will examine how nutrients from the sea affect the ecology of plants, breeding birds, mammals, insects, amphibians and their interactions on 100 + islands near the Hakai Beach Institute (see map below).

The research will be led by [John Reynolds](#) ([Reynolds@sfu.ca](mailto:Reynolds@sfu.ca)) from Simon Fraser University, and [Chris Darimont](#) ([Darimont@uvic.ca](mailto:Darimont@uvic.ca)), [Trisalyn Nelson](#), ([Trisalyn@uvic.ca](mailto:Trisalyn@uvic.ca)), and [Brian Starzomski](#) ([Starzom@uvic.ca](mailto:Starzom@uvic.ca)) from the University of Victoria. We are recruiting up to 4 MSc and 3 PhD students, as well as a postdoctoral fellow with expertise in GIS and spatial modeling.

Students will work with all four of the Principal Investigators, though each PI will serve as the primary supervisor in one of the four main themes of the overall project: birds (Reynolds), mammals (Darimont), spatial analyses (Nelson), and plants (Starzomski). Successful applicants could start in January, May, or September of 2015.

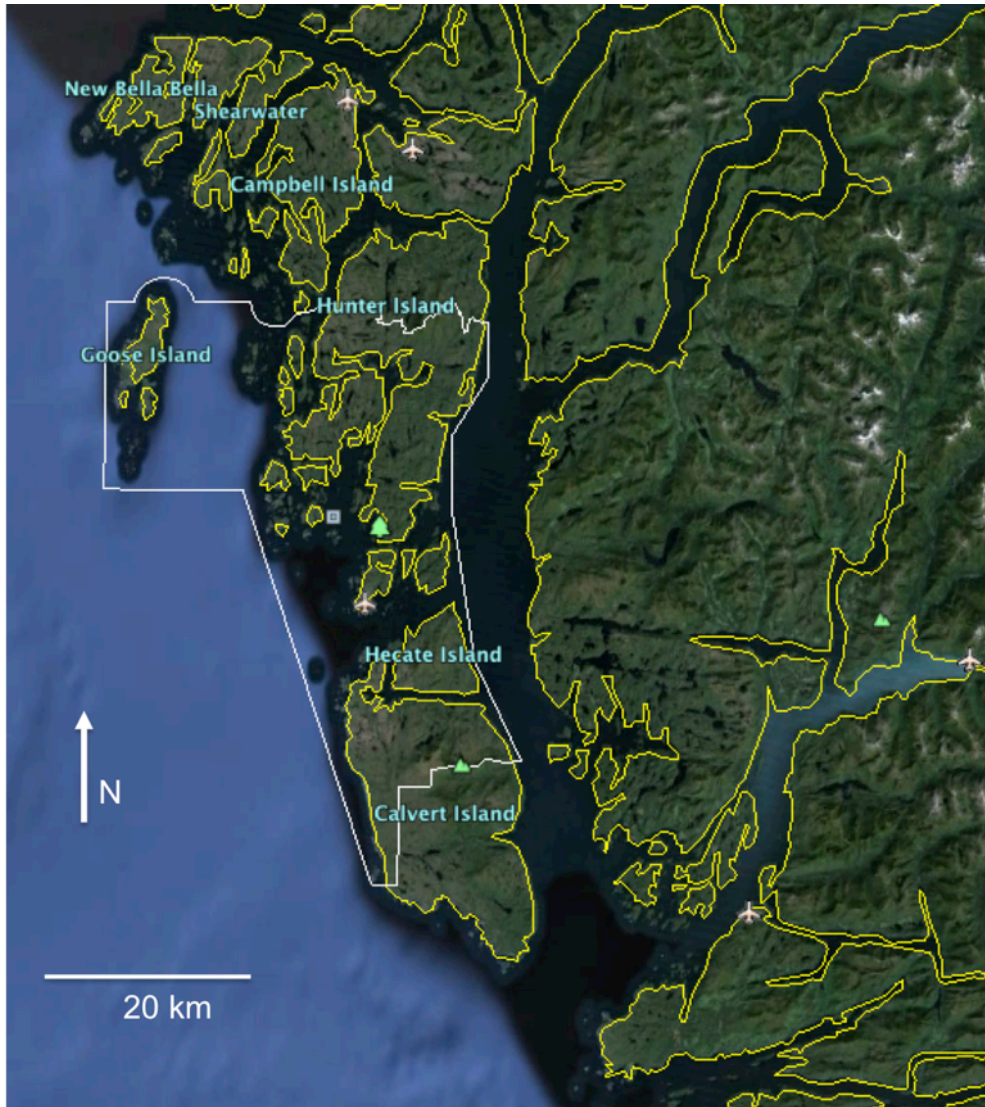
We are looking for students and a postdoc with experience and interest in the following topics:

- Developing and testing ecology theory
- GIS, spatial statistics, spatial ecology modelling
- Stable isotope analyses
- Genetic analyses

Specific experience working with the various species groups will be important, e.g. bird identification and banding, or live trapping of small mammals, or plant and insect surveys. Applicants should also outline their experience with fieldwork in remote regions, as well as any experience operating boats. As part of the wider Hakai Beach Institute research program, students will have the opportunity to work with scholars in other disciplines, including marine ecology, archaeology, and geomorphology.

If you are interested in developing theory related to island biogeography and ecosystem subsidies, conducting fieldwork on islands of the Central Coast, and being part of a collaborative, multi-disciplinary group to address major questions of theoretical and

conservation importance, please email one of the PIs to express your interest. In all correspondence, please include one document that combines your CV, list of grades, a description of how your research interests align with the person you are contacting, and why you want to do it. Please use your last name to begin the file name. Funding will be commensurate with experience, though we will also be looking for students who will likely be successful in proposals to external funding bodies (e.g., NSERC).



Study region on British Columbia's Central Coast. More information about the Hakai Research Institute can be found [here](#), and further details on biodiversity of the region are [here](#).