

# Taylor Justason

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## EDUCATION

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May 2020                      **Bachelor of Science in Biology with Distinction**

University of British Columbia, Vancouver  
Cooperative Education Designation

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## EMPLOYED RESEARCH EXPERIENCE

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January 2022-                      **Resource Management Officer III**

Present                              Parks Canada Agency  
Vancouver, BC/Fort Saskatchewan, AB

- Evaluating wildlife monitoring studies/assessing proponent's progress in meeting their legal requirements for wildlife under an environmental impact assessment finding
- Producing Elk Island's species at risk action plan. Duties include consolidation of threats, and knowledge gaps for species; Indigenous stakeholder consultation; and report writing
- Collaborating on a global grizzly bear denning habitat RSF

July 2021-                              **Terrestrial Ecology Research Assistant II**

November 2021                      Faculty of Forestry/Wildlife Coexistence Laboratory (UBC)  
University of British Columbia

- Conducted backcountry camera trap field work, and managed subsequent data, for the South Chilcotin research project, which investigates the impact of recreation on large mammals
- Spearheaded grant proposals for continued funding and expansion of the project

May 2020-                              **Marine Conservation Research Assistant II**

July 2021                              Institute for the Oceans and Fisheries/Project Seahorse  
University of British Columbia

- Jointly produced a study on the extent and impacts of the live trade in seahorses for the Convention on International Trade in Endangered Species (CITES). Report to CITES submitted, primary journal article published
- Analyzed large trade databases and conducted stakeholder interviews to determine trade and impacts over time to provide suggestions to further seahorse conservation via CITES.
- Jointly produced an analysis of the changes in protection of species under CITES, using R to look at changes between taxonomic groups and produce graphics. Journal articles in progress

September 2019-                      **Research Assistant to Jacqueline Sunderland-Groves, Senior BOSF Advisor**

December 2019                      Borneo Orangutan Survival Foundation (BOSF)/Jacqueline Sunderland  
Central Kalimantan, Indonesia

- Assisted in the design, pilot research phase, and implementation of a novel camera trapping study on the survival and recruitment of a reintroduced population of rehabilitated orangutans
- Work included spatial study design, the teaching of local technicians to use camera traps, orangutan behavior surveys, and camera set up and collection of preliminary data in the field

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## EMPLOYED RESEARCH EXPERIENCE (CONTINUED)

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## Taylor Justason

+1(236) 858-3124 | 4650 W 13<sup>th</sup> Ave, Vancouver BC V6R 2V7 | taylor.justason@gmail.com

January 2019-  
October 2019

### Co-op Camera Trap/Large Mammal Researcher

BC Parks Foundation/ Wildlife Coexistence Laboratory (UBC)  
University of British Columbia

- Assisted in the design of and/or managed three camera trap grids in southwest BC, with management consisting of periodic checks requiring extended backcountry trips.
- Performed a best practices literature review for camera trapping of mammals and produced a subsequent report for WildCAM, western Canada's novel camera trapping network

May 2018-  
August 2018

### Species-at-Risk Research Assistant

Sunshine Coast Wildlife Project  
Sunshine Coast Regional District

- Collected and managed data on avian, amphibian, reptilian, and chiropteran species at risk
- Duties included field surveys (presence and detection surveys, habitat and vegetation surveys, etc.) in the front- and backcountry of the Regional District and habitat restoration

September 2018-  
December 2018

### Part-time Work Learn Research Assistant

Wildlife Coexistence Laboratory  
University of British Columbia

- Investigated the potential for an R package *Phenopix* to process camera trap images for monitoring the impacts of climate change by linking phenology to climate cycles via R
- Provided general spatial data support for the lab with ArcGIS

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## PEER-REVIEWED PUBLICATIONS

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2022

Foster, S. J., **Justason, T.**, Magera, A. M., & Vincent, A. C. J. (2022). CITES makes a measurable difference to the trade in live marine fishes: The pioneering case of seahorses. *Biological Conservation*, 272, 109653.

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## HONOURS AND AWARDS

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Summer 2020

**Natural Sciences and Engineering Research Council Undergraduate Student Research Award (NSERC USRA)**, University of British Columbia

Winter 2018

**Go Global Scholarship**, University of British Columbia (not accepted)

Winter Session 2019

**Dean's Honour List**, University of British Columbia

Winter Session 2018

**Dean's Honour List**, University of British Columbia

Winter Session 2017

**Dean's Honour List**, University of British Columbia

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## OTHER WORKS

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## **Taylor Justason**

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- December 2021      **Changes in the International Live Trade of Seahorses (*Hippocampus* spp.) after their Listing on Appendix II and Recommendations to Improve Implementation of CITES for the Genus**  
Technical Report  
Produced for the Convention on International Trade in Endangered Species (CITES)  
DOI: <https://dx.doi.org/10.14288/1.0416250>
- April 2020      **A Preliminary Investigation Linking Terrestrial Animal Community Surveys via Camera Trapping and Aquatic eDNA Sampling in a Temperate Terrestrial Wildlife Assemblage**  
Directed studies report  
University of British Columbia
- May 2019      **WildCAM Network Camera Trapping Best Practices Literature Synthesis**  
Literature review and synthesis report  
Produced for the Wildlife Cameras for Adaptive Management (WildCAM) network

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### **PRESENTATIONS AND POSTERS**

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- March 2019      **WildCAM: An Emerging Network for Improving Wildlife Monitoring and Management via Remote Cameras**  
Poster presentation  
The Wildlife Society – British Columbia Chapter Conference  
Kelowna, British Columbia

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### **EXTRACURRICULAR ACTIVITIES & INTERESTS**

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- Founding board member and 2<sup>nd</sup> president of the UBC Vancouver Chapter of the Wildlife Society
- I enjoy swimming, reading, backpacking, and ultimate Frisbee