

# CONNOR S. VAN WIEREN

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## EDUCATION

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### Ph.D.

2020 - Present

*University of Victoria*, Victoria BC

School of Earth and Ocean Sciences (SEOS)

**Supervisors:** Dr. Jon Husson, Dr. Blake Dyer

### B.Sc. (Honours) Earth Science

2015 - 2020

*University of Victoria*, Victoria BC

School of Earth and Ocean Sciences (SEOS)

**Thesis:** *Characterizing the Triassic/Jurassic boundary through stratigraphy of northern Vancouver Island carbonates*

**Supervisors:** Dr. Jon Husson, Dr. Vera Pospelova

## AWARDS

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Jamie Cassels Undergraduate Research Award (JCURA)

Boehm Family Award for Excellence in Science

School of Earth and Ocean Sciences Award for Best Honours Thesis Presentation

Chris and Susan Barnes Scholarship for Best Honours Thesis (EOS 499)

University of Victoria Graduate Student Award

## RESEARCH INTERESTS

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Earth history, stable isotope geochemistry, carbonate sedimentology, geochronology, paleontology and biostratigraphy, carbon cycle dynamics, aqueous geochemistry

## EXPERIENCE

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### Laboratory

Full sample preparation of carbonates (slabbing, drilling, acidifying) for  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  measurements and full machine operation of a Sercon 20-22 continuous flow isotope ratio mass spectrometer coupled to a GasBox II front end device. Operation of UIC-Coulometrics coulometer for inorganic carbon concentrations. Full palynological sediment processing training including hydrofluoric acid work and analysis of palynomorphs. Petrographical experience with thin sections.

### Programming/Software

Python, MATLAB, R,  $\text{\LaTeX}$ , QGIS, Ruskin, Ocean Data View, Inkscape, VisualMINTEQ

## FIELD EXPERIENCE

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### **Southern and Central Vancouver Island (5 weeks) 2018, 2019**

Geological mapping throughout the Saanich Peninsula, Gulf Islands, Strathcona Provincial Park. Several paleontological sampling excursions to characterize the Late Cretaceous. Oceanographic cruises in Saanich Inlet including sediment sampling and chemical seawater analysis.

### **Barkley Sound, Vancouver Island (9 weeks) 2018**

Several oceanographic cruises including chemical seawater sampling via CTD and Niskin bottles. Ecological field work and sampling within Barkley Sound stream and forest systems. Work done with the Bamfield Marine Sciences Centre (BMSC).

### **Holberg and Port Alice, Northern Vancouver Island (2 weeks) 2019**

Measuring stratigraphic sections and collection of geochemical carbonate samples as well as palynological samples within the Late Triassic - Early Jurassic.

### **Williston Lake, Northern BC (2 weeks) 2020**

Measuring stratigraphic sections, collection of geochemical carbonate samples and collection of macro-paleontological samples Late Triassic - Early Jurassic.

### **Jasper and Banff National Parks, BC & AB (2 weeks) 2020**

Measuring stratigraphic sections, collection of geochemical carbonate samples and exploratory field geology related to the Neoproterozoic Miette Group of the Canadian Rockies.

## TEACHING EXPERIENCE

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**EOS 120 - The Dynamic Earth (Spring 2021): TA Position**

## PUBLICATIONS

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### **Simon Fraser University Student Undergraduate Research Journal (SFU SURJ)**

Peer-reviewed co-first author paper (2019):

*Long-Term Effects of Salmon Subsidies on Terrestrial and Freshwater Invertebrate Communities*

## CERTIFICATIONS

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OHSE WHMIS: Completed September 2018

CPR/AED/First Aid: Completed February 2017

PADI Rescue SCUBA Certification: Completed July 2017

## INTERESTS/HOBBIES

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Rock climbing, cycling, paleontological fossil collection, preparation, and identification throughout Vancouver Island

**Dr. Jon Husson:** University of Victoria

Professor

School of Earth and Ocean Sciences

Email: jhusson@uvic.ca

**Dr. Blake Dyer:** University of Victoria

Professor

School of Earth and Ocean Sciences

Email: blakedyer@uvic.ca

**Dr. Vera Pospelova:** University of Minnesota College of Science and Engineering

Professor

Department of Earth and Environmental Sciences

Email: vpospe@umn.edu

**Dr. Lindsay Davidson:** University of British Columbia, Vancouver Campus

Postdoctoral Fellow

Biodiversity Research Centre

Email: davidson@zoology.ubc.ca