Evan R **Muise**

MSc Student - Remote Sensing and Conservation

University of British Columbia, Vancouver

+902 266 3688 | evan.muise@ubc.ca | 0000-0003-3404-3220 | emuise | evanmuise

Experience

MSc Student
Faculty of Forestry (UBC)

Vancouver, BC
June 2020 - Present

- Monitoring Forest Structural Integrity Across a Range of Regional Ecosystems.
    - Identified placement bias in the British Columbian protected area network for ecosystem and land cover classes
    - Identified missing forest structures in the British Columbian protected area network across a range of ecosystems

Graduate Teaching Assistant
Faculty of Forestry (UBC)

Vancouver, BC
September 2020 - Present

- Leading & supervising applied exercises to guide student knowledge of remote sensing and coding concepts.
    - GEM 530 - Geospatial Data Analysis (Fall 2020)
    - CONS 127 - Observing the Earth from Space (Spring 2021)
    - CONS 340 - Introduction to Geographic Information Systems for Forestry and Conservation (Fall 2021)
    - CONS127 - Observing the Earth from Space (Head TA; Spring 2022)

Teaching Assistant
Department of Earth and Environmental Science (Dalhousie)

Halifax, NS
January 2020 - May 2020

- Leading & supervising applied exercises to guide student knowledge of environmental issues in the earth sciences.
    - ENVS2410 - Environmental Issues in Earth Sciences
    - Introduced and aided students with activities related to mapping and environmental contaminants.

Junior Program Officer (PM-01)
Indigenous Partnerships Office - West (NRCan)

Vancouver, BC
September 2018 - May 2019

-
    - Report Preparation
    - Data Maintenance and Cleaning
    - Liasions with Indigenous Groups

Undergrad Research Assistant
REMLab (Dalhousie University)

Halifax, NS
May 2018 - August 2018

- Organized and conducted urban forestry field campaigns.
    - Data Collection, Entry, Cleaning, and Analysis
    - Public Outreach Regarding Urban Forests

Education

University of British Columbia
MSc Remote Sensing and Conservation

Vancouver, BC
June 2020 - Present

- Monitoring Forest Structural Integrity Across a Range of Regional Ecosystems

Dalhousie University
BSc Environmental Science (Hons)

Halifax, NS
September 2015 - May 2020

- Emerging Hot Spot Analysis and Forests: A Case Study on the Hemlock Woolly Adelgidâ€™s Invasion into Nova Scotia using Fine Spatial Resolution Satellite Imagery.

Skills

Data Science	R, Python, ArcGIS, ArcPy, big data
Research	Protected area design and monitoring, forest structure and productivity, reproducibility, geospatial analysis
Collaboration	Experience working with academic, indigenous, and government groups
Writing	Scientific publications, funding grants, reproducible reporting (Rmarkdown, bookdown)
Communication	Confident public speaker, reproducible graphics and maps
Languages	English/French (bilingual)

Awards

Undergraduate Research Funding   *Halifax, NS*
NSERC USRA   *2018*
• Funding for Urban Forestry Summer Internship with REMLab

Journal Articles

1.   Muise, E. R., Coops, N. C., Hermosilla, T., & Ban, S. (2022). Assessing representation of remote sensing derived forest structure and land cover across a network of protected areas. *Ecological Applications*.

Presentations

**Documenting Structural Land Cover Change and Disturbance across Provincial BC Parks
for Biodiversity Assessment**   *Online*
BC Parks Living Lab Colloquium   *December 2020*