

Ayla Pearson

INTERMEDIATE COMPUTATIONAL BIOLOGIST

Poisson Consulting Ltd

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Background

Ayla Pearson MDS is an Intermediate Computational Biologist with Poisson Consulting Ltd. She was a Women in Data Science (WiDS) ambassador in 2019.

Education

2019	Masters in Data Science	UBC
2015	BSc in Chemistry	UVIC

Career

2020	Intermediate Computational Biologist	Poisson Consulting
2018-19	Intermediate Computational Biologist (Part-Time)	Poisson Consulting
2015	Natural Resource Clerk	MFLNRORD

Recent Projects

Horse Lake Exploitation Study (2017 - ongoing)

Horse Lake supports a recreational fishery for Lake Trout (*Salvelinus namaycush*). To estimate their natural and fishing mortality, individuals were caught by the ministry field team angling. Fish were tagged with acoustic transmitters and/or external reward tags. Acoustically tagged fish were detected by a series of seven receivers distributed through the lake as well as annual mobile receiver surveys. The external reward tags included a phone number for anglers to report their recaptures. Ayla is currently working on database design, Shiny app development for visualizing fish movements and data upload for the field team.

Github Actions and Package Repair - Poisson Consulting (2018-2019 (part-time) - ongoing)

Updating and checking that all internal Poisson GitHub package repositories were functioning correctly and passing automatic tests through GitHub actions and working in package programming and debugging to support company function.

Languages

English, Spanish, French

Interests

Surfing, hiking, programming