Nadine **Hussein**

Junior Computational Biologist

Poisson Consulting Ltd

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Background

Nadine Hussein is a Junior Computational Biologist with Poisson Consulting Ltd specializing in Technical Writing, Data Analysis and Data Collection. Prior to joining Poisson Consulting in 2020, Nadine completed a capstone project on the evolution of phenotypic variance and studied at Bamfield Marine Sciences Centre researching the behavioural ecology of aquatic invasive species.

Education

2020 BSc in Ecology — *University of Calgary*

Career

2021 Junior Computational Biologist — *Poisson Consulting*

2020 Intern Computational Biologist — *Poisson Consulting*

Recent Projects

Lower Columbia River Fish Population Indexing Survey (2022 - ongoing)

Data management, database creation and data analysis for project to estimate abundance, growth, survival and body condition of Whitefish, Rainbow Trout, and Walleye.

Point Pelee Deer Population Trends (2021 - ongoing)

Data management, report writing and data analysis in the form of an integrated population model to estimate population trends and body condition in White Tailed Deer.

Line Creek Aquating Monitoring Program (2021 - ongoing)

Field work, data management, database creation and data analysis to estimate abundance, growth, body condition and recruitment of Bull Trout and Westslope Cutthroat Trout.

Genetic diversity of isolated, stream-dwelling Westslope Cutthroat Trout populations in British Columbia and Alberta (2021 - ongoing)

Compiled a list of all isolated, genetically pure populations of Westslope Cutthroat Trout in BC and AB from peer-reviewed and grey literature. Calculated genetic diversity estimates from raw SNP and SSR data. Conducted a literature review on inbreeding effects and report writing. Field work.

South Salmo Habitat (2021 - ongoing)

Data management and data analysis to estimate annual effects and population densities of Rainbow Trout, Bull Trout, Longnose Dace and Slimy Sculpin.

Languages

English, French, Arabic