

Jocelyn Lougheed – Junior GIS Analyst - Licker Geospatial Consulting Co.



Biography

Jocelyn Lougheed has an Advanced Diploma in GIS from BCIT and a Bachelor of Arts in Environment and Sustainability from UBC. Prior to working in GIS, Jocelyn was an environmental consultant where she enjoyed collaborating with clients and contractors to develop tailor made solutions for soils remediation projects. She brings this same passion for knowledge-exchange, problem solving and environmental health to her current position at LGeo.

Jocelyn has an enthusiasm for work that aims to improve the quality of life for people in their communities, whether this be related to urban planning, climate change, equity or housing. She is always eager to learn new skills and techniques to ensure she is providing the best possible solutions for clients.

Select Project Experience

Cartography

- Equity mapping for electric vehicle charger distribution – Dunsky & MVRD
- Map package to support the develop of a municipal trail network plan – Diamond Head & The City of Port Moody
- Charette maps for neighbourhood plan workshops - Modus & City of Campbell River
- Mapping routing and volumes for aquatic vessels – Pacific Pilotage

Research

- Reviewing the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories to create a GPC compliant inventory – Vancouver Economic Commission (VEC)
- Literature reviews, documentation of methodology, analysis, statistical analysis, preparation of visuals for reports and presentation for knowledge transfer

Data Development and Management

- Created a GPC compliant emissions inventory for commercial emissions in Vancouver, by assembling data from a variety of sources, calculating and GHG emissions and documenting sources, quality and methodology – VEC
- Creating and managing file geodatabases for projects and implementing data registries and archiving procedures
- Data processing and development using Python, FME, Excel – various projects

Remote Sensing

- Using LiDAR datasets to identify specific archaeological features and implement quality control checks to ensure end-user product reliability and validity – Inlailawatash
- Acquiring and preparing LiDAR datasets using a variety of software (both open source and licensed) to generate DEMs

Web App Development and Design

- Affordable housing webmap using Mapbox GL JS - ASCHA
- Create mobile applications using ArcGIS AppStudio and the ESRI JavaScript API – various projects
- Use ArcGIS Experience builder to create a conservation area web app

Professional Overview

- Partnership development and maintaining effective working relationships with diverse people and clients – Method Environmental

Education

B.A. Environment and Sustainability (Geography), University of British Columbia, Vancouver, BC, 2018

Advanced Diploma Geographic Information Systems GIS, British Columbia Institute of Technology, Burnaby, BC, 2022

Employment History

LICKER GEOSPATIAL CONSULTING CO.

Vancouver, BC – Junior GIS Analyst (Sept. 2022 to Present)

INLAILAWATASH

North Vancouver, BC – GIS Practicum Student (Jan. – May 2022)

METHOD ENVIRONMENTAL SERVICES LTD.

Vancouver, BC – Environmental Consultant (Sept 2020. to March. 2021)

Expertise

- ArcGIS Pro
- Cartography and Design
- Research
- Database Management
- Python, SQL+, R
- JavaScript, HTML, CSS
- Mapbox GL JS
- FME



Licker
Geospatial
Consulting Co.

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