

Camille Gay – Junior GIS Analyst - Licker Geospatial Consulting Co.



Education

B.A. Environment and Sustainability (Geography), Minor Urban Studies. University of British Columbia, Vancouver, BC, 2019

Masters of Geomatics for Environmental Management, University of British Columbia, Vancouver, BC, 2020

Employment History

LICKER GEOSPATIAL CONSULTING CO. VANCOUVER, BC –GIS ANALYST (APRIL 2022 TO PRESENT)

CANDRONE BURNABY, BC – SOLUTIONS TECHNICIAN (OCT 2020 TO MARCH 2022)

UNIVERSITY OF BRITISH COLUMBIA FARM VANCOUVER, BC – GIS RESEARCHER (SEP. 2019 TO APRIL 2020)

Expertise

-ArcGIS

-Python

-R

-Change Detection Mapping

-Remote Sensing

-LiDAR

-GPS

-Equity Analysis

-Environmental Data Management

-Urban Forest Inventory

-Drone Mapping

Biography

Camille had been working in the field of GIS for three years, where she has fostered a passion for analyzing community and environmental health. Camille graduated with a Masters of Geomatics for Environmental Management in the faculty of Forestry and a Bachelor of Arts in Geography, both from the University of British Columbia. For her master's thesis, Camille studied the relationship between urban forest composition and socioeconomic factors in Maple Ridge, Canada. After graduating, Camille spent 1.5 years working with LiDAR and photogrammetry data to derive high resolution, digital elevation models, forest tree inventories and multispectral data outputs. In addition, Camille's past work experience includes facilitating customer training on UAV LiDAR and providing technical support. These skills and experiences allow Camille to conduct detailed GIS analyses and communicate effectively with clients in various industries. In her spare time, Camille can be found running laps around the track, hiking, cycling, or painting.

Select Project Experience

Network Analysis and Optimization

- Snow plow routing optimization for a fleet of 12 plow trucks – City of Abbotsford
- Amenity Access Analysis – City of Vancouver
- Amenity Access Analysis for community wellness mapping – Happy Cities

Land Use Plan Mapping

- Community plan map creation including land use, transportation, hazardous areas, greenspace, bike-ability, and DPA maps for the town of Ladysmith, British Columbia – Ahne Studio
- Population and dwelling change mapping – Cowichan Valley Regional District
- Regional growth strategy-related mapping – Sunshine Coast Regional District
- Recreational Trails and Parks Master Plan mapping – City of West Kelowna

Extreme Heat Mapping

- Extreme heat assessment and mapping – Central Regional District

LiDAR Forest Modeling

- Individual Tree Segmentation and individual tree metrics derived from LiDAR – Genfor
- Timber Volume Estimation Maps derived from LiDAR data and linear regression modeling– Genfor
- Tree species classification using Lidar and Satellite Imagery – UBC studies

LiDAR point cloud classification



Licker
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- Classification of buildings to derive building heights and footprints – City of Vancouver
- Classification of ground points for high-resolution bare earth modeling
- Classification of powerlines for vector modeling
- Classification of forest cover and individual tree point cloud segmentation

Photogrammetry

- Creation of high-resolution orthomosaics for various projects in the architecture, engineering and construction industry as well as in forestry.
- Vegetation and land use classification from satellite imagery

Cartography

- Golf Course Map products
- Wayfinding Map Design – University of British Columbia
- Art, Bike, Beer Culture Crawl Wayfinding Mapping – Eastside Arts Society
- Cartographic products -Including various forms of geospatial data visualization

Equity and the Environment

- Urban Forest Inequity Mapping
- Hot spot analysis of environmentally important agricultural land– IAF farmland Advantage
- Shoreline Erosion Mapping
- Farm Crop-cover Time Series Analysis

Energy

- Powerline Vegetation Encroachment Analysis

Research

- Literature reviews, documentation of methodology, statistical analysis, preparation of visuals and reports for public presentation.

