

BRAD G. COOPER, EIT, BCLS

Professional Land Surveyor

PROFESSIONAL MEMBERSHIPS

Association of British Columbia Land Surveyors

Commissioned Member #988

2018-Present

Association of Canada Land Surveyors

Student member

2010-Present

Professional Surveyors Canada

Member

2018-Present

Engineers and Geoscientists BC

Engineer in Training

2010-Present

EDUCATION

University of Calgary

BSc (Bachelor of Science in Engineering: Geomatics option)

2005-2010

EXPERIENCE

Browne Johnson Land Surveyors

Professional Land Surveyor

Salmon Arm, BC

2016-Present

- Commissioned as a BC Land Surveyor in 2018
- Responsible for field survey assignments, office production and development planning
- Project management of legal and engineering surveys
- Working with clients, consultants, survey crews, and other professionals to keep projects running smoothly

Envivo

Surveyor

Christchurch, Canterbury, New Zealand

2014-2016

- Cadastral surveying in earthquake deformed areas (e.g. subdivisions, cross leases, boundary surveys, etc.)
- Deformation measurements and analysis of earthquake damaged structures
- Terrestrial laser scanning for industrial applications
- Building layouts
- Building location certificates

Monashee Surveying and Geomatics

Land Surveyor and Engineer in Training (LST/EIT)

Vernon, BC

2010-2014

- Responsible for all aspects of surveying an \$800 million underground hydroelectric construction project
- Survey layout on floor, tunnel walls and ceiling for concrete pours, suspended steel frames, and GIS bus
- Quality control (QC) and quality assurance (QA) of as-built structures to compare with design specification
- Establish and densify a high precision survey control network to maintain adequate control in an ever-changing construction environment
- Deformation monitoring of mountain slopes, hydroelectric dams and building foundations
- Land surveying for varying cadastral surveying projects (e.g. subdivisions, stratas, property locations, etc.)
- Utilize least squares adjustment methodology to combine multiple types of spatial measurement observations (e.g. level, total station and GNSS) into cohesive survey networks
- Terrestrial laser scanning for as-built industrial applications
- Accurately represent field data on plans with CAD drafting methods
- Worked directly with engineers, clients and professional surveyors on time-sensitive projects
- Worked under the direction of BC Land Surveyors as well as Geomatics Engineers

Focus Corporation

Survey Assistant

Fort St. John, BC

2009 (Summer)

- Land surveying for oil and gas applications
- Line cutting and flagging of oil and gas pipelines, lease sites and proposed access roads
- Underground pipe location
- Worked in remote locations with access only by all-terrain vehicle
- Worked under the direction of BC Land Surveyors as well as Geomatics Engineers

Monashee Surveying and Geomatics

Survey Technician

Vernon, BC

2006-2008 (Summers)

- Plan drafting for land development
- Performed preliminary and field survey calculations
- Cadastral and construction surveying
- Utilized terrestrial laser scanners, total stations and GNSS surveying equipment
- Worked under the direction of BC Land Surveyors as well as Geomatics Engineers

Shatzko Engineering Limited

Survey Assistant

Vernon, BC

2005 (Summer)

- Construction surveying; layout and as-built surveys
- Utilized robotic total stations