



Geoterra Services

Geoterra Integrated Resource Systems Ltd is a Canadian consulting firm specializing in integrated resource management, best forest and land management practices, BC Front Counter and BC Energy Regulator (BCER) applications and preparation for Canadian energy Regulator (CER) applications, natural resource inventory and analysis, logging and harvest planning, environmental compliance and assessments, wildfire preparedness and management, mapping and computer-assisted program development. Geoterra supplies consulting services throughout all or partial phases of project development.

Energy Services

These projects include TC Energy and Nova Gas Expansion Projects, Pembina Pipe Replacement and Expansion Projects, Coastal GasLink Project, Prince Rupert Gas Transmission Project and other Pipeline Maintenance and Construction Projects in Western Canada.

Highlighted Energy Services:

- Environmental Planning
- Biophysical Assessments
- Regulatory Permitting
- Construction Planning
- Timber Assessment and Clearing Planning
- Timber Salvage and Operational Clearing Plans
- EPP Development
- Pre-construction Environmental Assessments
- Environmental Inspection & Regulatory Compliance
- Resource Specialist & Environmental Monitoring
- Reclamation Planning & Implementation
- Revegetation Planning & Planting Programs
- Post Construction Environmental Monitoring & Regulatory Reporting

Environmental & Regulatory

Our Environmental Services start in the planning stages, through construction and into final reclamation.

Highlighted Environmental Regulatory Services:

- Environmental Planning & Biophysical Assessments
- Environmental Site Assessments (ESA) & Preliminary Site Investigations (PSI)

- Regulatory Interface, Permitting & Reporting
- Environmental Compliance & Monitoring
- Revegetation
- Post Construction Environmental Monitoring & Adaptive Management
- Regulatory and As-Built Reporting
- Indigenous guided reclamation prescriptions
- Invasive Plant Management
- Environmental Compliance & Monitoring
- Grass Seeding, Re-Vegetation & Seeding Establishment
- Stream, Soil & Wildlife Assessments
- Soil Sampling
- Regeneration Assessment on Harvested Lands
- Re-Vegetation & Eco-Classification Plans
- Government and First Nations Liaison & Consultation

Forestry & Land Management Services

Extensive experience in all aspects of forestry across many industries – including but not limited to forestry, mining, oil and gas, government and private sector. Our services range from pre-development or multi-phase planning, through harvesting and clearing operations to reclamation and silviculture activities.

Highlighted Forestry & Land Management Services:

- Pre-Development Harvest Planning
- Operational Clearing Plans
- Land Acquisition Permits
- Timber Harvesting Field Assessments
- All aspects of Multi-Phase Forest Development



- Old Growth Mitigation
- Road Location and Block Layout
- Harvest & Silviculture Prescriptions
- Danger Tree Assessments
- Waste & Residue Assessments
- Invasive Plant Management
- Master License to Cut & Cutting Permit Applications
- BC Timber Appraisals, License to Cuts & Electronic Forest Tenure Submissions (EFT)
- Large and Small Tenure Management
- Small Bridge Design Plans
- Supervision, Monitoring & Guidance of Clearing/ Harvesting Activities
- As-Built Record Submissions & Access Management Plans
- Forest Health Strategies & Productivity Assessment
- Timber Supply Analysis

Underground Utility Locating

Geoterra provides professional underground utility locators that specialize in the detection of underground facilities. Our locators detect underground facilities on a variety of projects such as pipelines, plant sites, oil and gas leases to private and municipal underground infrastructure. We use industry leading Fuji and Vivax equipment and staff with years of experience based out of our Fort Nelson, Fort St. John, and Prince George offices, and we will conduct work throughout the province of British Columbia. We are also experienced at conducting line location projects in any terrain and season!

Highlighted Underground Utility Locating Services:

- Certified Technicians
- BC One Call Response
- Multi-Pass Sweeps
- Pipeline Project Sweeping
- Emergency Underground Utility Locating
- On-site Ground Disturbance Inspections
- Crossing Protocols Support Locates
- Digital Utility Mapping & Photography

Water Quality Monitoring

CCI employs Qualified Aquatic Environmental Specialists (QAES) field personnel to deliver a greater depth and quality of our services.

Highlighted Services Include:

- Guidance for Regulatory Requirements
- Water Quality Monitoring Plans and 24/7 Monitoring
- Daily Client Reports with Historical Data



- Frac-out Response Plans, Monitoring, Reporting and Clean Up Expertise and Response Trailers, plus Frac-Out Plume Modeling
- Fish Salvage Services
- Post-Construction Report and Review with client
- Watercourse Classification and Habitat Assessments
- Watercourse Reclamation Services

Weather Station Services

We provide weather stations, fire weather indices data collection, distribution of detailed Fire Danger rating, and regulatory compliance information.

Wildfire Services

Wildfires are a powerful and unpredictable force of nature. Our professionals have decades of experience creating and enacting wildfire risk assessments and mitigation plans, with a goal of reducing the risk and impacts of wildfires on the environment and our communities.

Highlighted Wildfire Services:

- Wildfire Management and Risk Reduction Plans
- Wildfire Threat Analysis and FireSmart™ Assessments
- Fuel Management Prescriptions and Implementation
- Pile Burning and Operational Guidance
- Emergency Risk and Preparedness Planning
- Project Management and Mapping Services
- Post Wildfire Event Landscape and Property Assessments
- Weather Station Identification and Gap Analysis
- Fire Weather Monitoring and Danger Rating Calculations
- Wildfire regulatory compliance
- Quick-Deploy Fire Weather Stations: essential tools for early fire detection, proactive risk mitigation, regulatory compliance, emergency response improvement, collaborative risk management, & post-incident analysis.
- S100 Training: Basic Fire Suppression and Safety training

FireSmart™

Working with all levels of government, business leaders, Indigenous groups, and with local engagement, our professionals have decades of experience creating and enacting FireSmart™ plans. The goal of this program is to reduce the risk of wildfire damage to homes, communities, and forests through various methods including public engagement and education.

Wildfire Safety Training

Our wildfire safety training courses are taught by a certified instructor with decades of experience. We offer the two-day, in-class **S-100, Basic Fire Suppression and Safety training and the annual S100A refresher course**. The refresher course can

be completed within one day through our website. The S-100 and S-100A are required to meet the training requirements under Section 26.3.1 Forestry Operation Fire Fighting of B.C.'s Occupational Health and Safety Regulation.

The **S185** is a non-expiring supplemental course to the S100 course, and focuses on entrapment avoidance. Due to unexpected conditions, wind direction changes, and limited escape routes, fire entrapment situations can occur unexpectedly, making this training essential for safety.

Email WildFireSafety@geoterrairs.ca for more information & visit S100online.com to register.



Archaeological Services

Decades of archaeological experience across Western Canada, working with a variety of stakeholders to undertake projects of all sizes, and specializing in Forestry, Highways, Parks, Mining, and Oil, Gas, and Other Energy Projects.

Highlighted Services Include:

- Permit holding status across Western Canada and Heritage Resource regulatory compliance
- Archaeological Overview Assessments (AOA)
- Preliminary Field Reconnaissance (PFR)
- Archaeological Impact Assessments (AIA)
- Site Alteration Permits (SAP)

- Archaeological monitoring
- Predictive Models and Inventories, Drone Fly-Overs and Reconnaissance, and GIS/Mapping
- Historic and Ethnographic Research
- Traditional Ecological Knowledge (TEK) and Traditional Land Use (TLU) studies

CCI Group of Companies



Geoterra is a proud member of the CCI Group of Companies. Since CCI's inception in 2004, CCI has steadily grown to meet our client's needs. A key component to our growth has been through a strategy of acquisitions, evolving our company from CCI Inc. to CCI, the Group of Companies. This growth has included the acquisition of Geoterra, Horizontal Technology, the creation of Progress Drilling and CCI & Associates, and the conglomeration of EpiC between CCI Inc. and Midwest.

Highlighted CCI Services: Archaeology, Construction Management, Environmental Services, Geotechnical Engineering, HDD Services & Tools, Pipeline & Facilities Engineering, Shore Approach Engineering, Regulatory, Trenchless Design

Professional Biology Services || Species at Risk Management || Regulatory and Permitting
|| Forest Management || Riparian Management || Oil and Gas Reclamation || Indigenous
Engagement || Pipeline Inspection and Environmental Services || Firesmart and Wildfire
Risk Reduction || Line Locating || Archeology

Geoterra & CCI Group of Company's Offices

Canada: Fort Nelson, Fort St. John, Kimberley, & Prince George, BC
· Calgary, Cochrane, Edmonton, & Spruce Grove, AB

USA: Hockley & Houston, TX · St. Louis, MO

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