

# The Data Foundation For Successful Environmental Consulting In Alberta

## THE ENVIRONMENTAL CONSULTING INDUSTRY

in Alberta plays a crucial role in balancing economic development with environmental protection. Driven by increasing environmental awareness, evolving regulatory requirements, and a strong commitment to sustainable development across all sectors, consultants are essential partners for businesses navigating complex environmental challenges. They provide expertise in areas like Environmental Impact Assessments (EIAs), site assessments, reclamation plans, and biodiversity monitoring, helping companies operate responsibly and sustainably.

To provide effective and efficient services, environmental consulting firms need access to accurate, reliable, and up-to-date geospatial data in this dynamic environment. Altalis, Alberta's leading provider of geospatial data, empowers consultants with the critical information they need to make informed decisions, streamline assessments, and deliver impactful solutions for their clients. By partnering with Altalis, environmental consulting firms can enhance their services, reduce risks, and contribute to a more sustainable future for Alberta.

## NAVIGATING THE COMPLEXITIES: KEY CHALLENGES FACING ENVIRONMENTAL CONSULTANTS

**DATA ACQUISITION AND ACCURACY** Environmental consultants require diverse data from various sources. Obtaining comprehensive and accurate data on land use, ownership, environmental features (wetlands, water bodies, soil types), and regulatory boundaries can be time-consuming and expensive. Ensuring data accuracy and consistency across different sources is crucial for reliable assessments.

**REGULATORY COMPLIANCE** Alberta's environmental regulations are complex and constantly evolving. Staying abreast of the latest legislation, policies, and guidelines while ensuring compliance for clients can be a significant challenge. This includes understanding and interpreting regulations related to land use, water management, air quality, and species at risk.

**PROJECT EFFICIENCY** Environmental consulting projects often involve tight deadlines and budget constraints. Balancing these constraints with the need for thorough data collection and analysis requires efficient workflows and access to reliable information. Delays in data acquisition can significantly impact project timelines and profitability.

**STAKEHOLDER ENGAGEMENT** Environmental projects often involve multiple stakeholders with diverse interests, including government agencies, Indigenous communities, landowners, and the public. Effective communication and collaboration with these stakeholders are crucial for project success and social license. Consultants must clearly communicate complex environmental information and address concerns from various perspectives.

## ALTALIS GEOSPATIAL DATA PRODUCTS: EMPOWERING ENVIRONMENTAL CONSULTING

Altalis offers a comprehensive suite of geospatial data products that are invaluable to environmental consultants:

**CADASTRAL MAPPING** defines the mapping of survey plans, including lots, blocks, and right-of-ways. It can be used for land use analysis, impact assessments, site assessments, identifying potential land access issues and stakeholder mapping.

**TITLE** defines property boundaries and ownership information, including Land Titles Office LINC numbers (Land Identification Numeric Code). This data is critical for due diligence, tracking Crown vs. Private lands and identifying potential environmental liabilities.

**DISPOSITION** data show surface activity extents for leases and permits on Crown land. This data can be used for identifying potential environmental impacts, assessing cumulative effects, avoiding conflicts with existing land uses and supporting land use planning.

**LIDAR 7.5 DEM** is a high-resolution **Digital Elevation Model** data product that can be used for terrain modeling, watershed analysis, flood risk assessments, visualizing project impacts and creating 3D models for stakeholder engagement.

**IMAGERY** provides high-resolution aerial imagery that can be used for site reconnaissance, visual impact assessments, change detection analysis, habitat mapping and environmental monitoring.

**DAILY UPDATE SERVICE** Altalis offers Real-Time GIS updates, providing consultants with the most current **Cadastral, Title, and Disposition** geospatial data. This ensures that assessments are based on the latest information, reducing risks and improving decision-making.

**CUSTOMER SERVICE** Altalis is committed to providing exceptional customer service. Our experienced team can assist with data selection, purchasing support, and integration, ensuring that you have the right information and tools to succeed.



## PARTNERING WITH ALTALIS: DRIVING SUCCESS IN ENVIRONMENTAL CONSULTING

Partnering with Altalis offers numerous benefits for environmental consulting firms:

**ENHANCED PROJECT EFFICIENCY** Streamline data acquisition and analysis, reducing project timelines and costs. Altalis provides easy access to a wide range of high-quality geospatial data through our online platform, saving consultants valuable time and resources.

**IMPROVED ACCURACY AND RELIABILITY** Access accurate and up-to-date geospatial data to ensure the reliability of your assessments and recommendations. Our data undergoes rigorous quality control processes, ensuring that consultants can rely on it for informed decision-making.

**REDUCED RISK** Mitigate potential risks associated with inaccurate data, regulatory changes, and land use conflicts. By using Altalis data, consultants can proactively identify potential environmental issues and land-use conflicts, reducing the risk of project delays and costly legal challenges.

**STRONGER STAKEHOLDER ENGAGEMENT** Leverage high-quality visuals and data to communicate effectively with clients, communities, and government agencies. Our data can be used to create compelling maps, visualizations, and reports that enhance communication and facilitate stakeholder understanding.

**COMPETITIVE ADVANTAGE** Differentiate your services by offering data-driven insights and innovative solutions. Access to comprehensive and up-to-date geospatial data allows consultants to provide more in-depth analysis, develop more effective solutions, and gain a competitive edge in the market.

By leveraging Altalis geospatial data, environmental consulting firms can enhance their expertise, deliver exceptional service and contribute to a more sustainable future for Alberta.

## ABOUT ALTALIS

Established in 1998, we have been the **authoritative source of spatial data and imagery in Alberta for over 25 years**. We are the leading data management, maintenance, and distribution company in Alberta, and ensure the continued updating, re-engineering, storage, distribution, value-added redistribution, and general management of primary provincial mapping datasets. Our goal is to **make mapping products more available, accessible, accurate, and affordable**. We are your trusted source of spatial data.

Our state-of-the-art webstore, Altalis.com, is powered by AWS enabling reliable, fast and secure data deliveries. **Customers can explore, view, and acquire spatial data products both paid and open data with the click of a button.**

We take pride in providing exceptional customer service and building long-term relationships with our clients. Our experienced customer service team is available to answer any questions you may have about finding the right data to meet your needs.

**Contact Altalis today** to explore how our comprehensive spatial data solutions can transform your decision-making and help you navigate the changing surveying landscape.



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