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Registered Interests on Titled Land (RITL) Pilot Project: MNC Develops RITL Mapping Strategy through Alberta Pilot Program

Following a series of foundational RITL initiatives, including a benchmark study and discovery report, the next step in advancing spatial land interest mapping in Alberta was a province-scale implementation strategy. In 2021, **MNC (Martin Newby Consulting Ltd.)** was engaged to carry out a Pilot Project with the goal of developing a framework for rolling out Registered

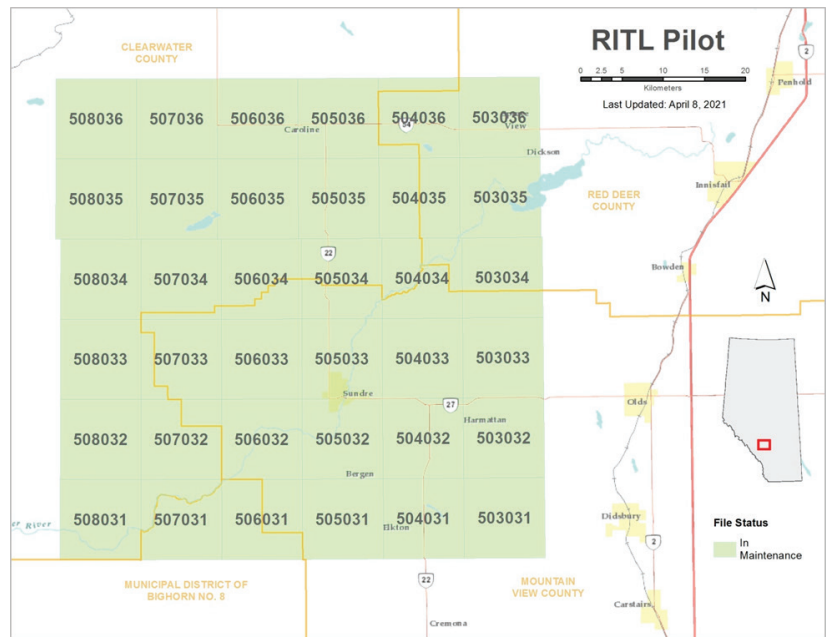
Interests on Titled Land (RITL) mapping across all titled lands in Alberta.

This project represented the first province-scale planning effort to assess feasibility, resource needs, and long-term sustainability for RITL implementation.

CHALLENGE

At the time of this initiative, a standardized RITL dataset for Alberta did not exist. To move toward a provincial dataset, it was essential to:

- Identify the logistical, technical, and financial considerations of building and maintaining a province-wide RITL dataset
- Understand the mapping requirements and data volume associated with registered interests
- Develop a practical framework to support continued engagement with end users and stakeholders



Pilot Area

KEY CHALLENGES INCLUDED:

- Absence of a formal plan for implementing RITL mapping across Alberta
- Limited visibility into data volume and complexity at a provincial scale
- Need to establish a clear, costed approach for incremental mapping and long-term maintenance
- Requirement to validate that data sources and mapping tools were suitable for a full-scale rollout

SOLUTION

To address these challenges, MNC conducted a Pilot Project that involved mapping Registered Interests on Titled Land and categorizing the results within 36 Alberta townships. This geographic sampling allowed for meaningful analysis while ensuring broad coverage and variability across the province.

KEY DELIVERABLES INCLUDED:

INCREMENTAL MAPPING PLAN

- Developed a step-by-step plan to complete RITL mapping across the remainder of the province
- Identified regionally appropriate strategies to scale and manage future mapping

MAPPING & MAINTENANCE REPORT

- Delivered cost estimates, timelines, and resource recommendations for completing the full provincial dataset
- Outlined maintenance strategies to ensure long-term integrity and usability of RITL data

DATA CATEGORIZATION & REVIEW

- Mapped over 1,300 registered interests across the 36 selected townships
- Categorized and analyzed data to understand scale, consistency, and mapping considerations at a provincial level

By leveraging its geospatial expertise, MNC created a comprehensive and actionable roadmap for Alberta's RITL mapping future.

RESULTS

The 2021 Pilot Project confirmed that the necessary data sources and mapping tools are in place to support the successful development of a province-wide Registered Interests on Titled Land dataset.

KEY OUTCOMES INCLUDED:

- **Validated Feasibility:** Confirmed that RITL mapping is achievable at a provincial scale using existing tools and data
- **Informed Planning:** Provided detailed costing, timelines, and technical recommendations for future implementation
- **Stakeholder Readiness:** Delivered insights to support broader engagement and alignment with end-user needs

MNC's work on this project provided both proof of capability and a replicable framework to guide future RITL expansion efforts or other similar projects.

MNC SERVICES & TECHNOLOGY USED

SERVICE CATEGORIES:

- Needs and Requirements Analysis
- GIS Strategy and Planning
- Data Model and Database Design
- Data Conversion and Migration
- Training and Support Services
- Geospatial Development Services

TECHNOLOGY PLATFORM & TOOLS:

- ArcGIS (Esri)
- Bentley (MicroStation)



CONTACT US TODAY to discuss your geospatial needs.

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ABOUT MNC

The Cadastral and Parcel Mapping Experts



MNC is a trusted leader in cadastral and parcel management with 25+ years of experience delivering GeoAI-ready datasets, modernizing parcel fabrics, and automating GIS workflows. As an Esri Gold and Cornerstone Partner with a Parcel Management Specialty and State and Local Government Specialty, MNC provides scalable advanced GIS, ArcGIS Pro, FME automation, MicroStation, AutoCAD and cloud-ready geospatial systems that improve data quality and support government land administration modernization across Canada, the USA, and the Caribbean.

