



Registered Interests on Titled Land (RITL) AER Data Integration Report: MNC Delivers Tactical Report on AER Data Use for RITL Mapping Strategy

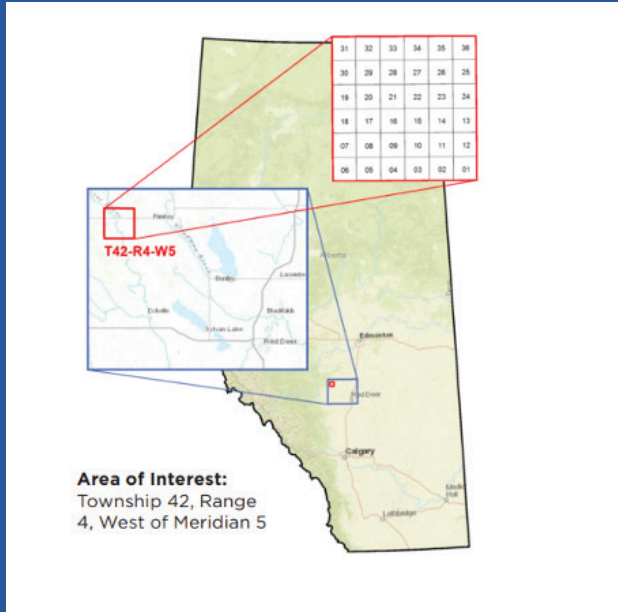
As momentum continued to build for a province-wide **Registered Interests on Titled Land (RITL)** mapping initiative, it became critical to evaluate whether existing government data sources could meaningfully contribute to the program. In 2022, **MNC (Martin Newby Consulting Ltd.)** was engaged to develop a tactical data integration report focused on the Alberta Energy Regulator (AER) and its data collection process through OneStop.

OneStop is a digital platform developed and operated by **AER**. It serves as a centralized system for managing regulatory applications, submissions, and approvals related to energy development in Alberta.

The goal of the project was to determine what data from AER, and potentially other sources, could be disseminated to support the development and long-term maintenance of a provincial RITL mapping program.

CHALLENGE

Following the 2021 Pilot Project, a key recommendation was to identify viable data sources that could be integrated into a scalable RITL solution. AER's OneStop platform presented a potential source of interest-related data; however, its compatibility, quality, and technical integration potential had not yet been assessed in detail.



Alberta Energy Regulator (AER) Well Data shown with Mapped (RITL) Interests. The red points represent AER well data and the yellow lines represent the extent of the interest (RITL) mapped in the benchmark project.

KEY CHALLENGES INCLUDED:

- Determining which components of AER's OneStop data could support the development and maintenance of RITL mapping
- Evaluating the feasibility of integrating AER data with other datasets
- Identifying technical, legal, or operational barriers to dissemination
- Outlining the next steps in a tactical and actionable format for stakeholders

SOLUTION

MNC led a detailed research and analysis project focused on evaluating AER's OneStop data collection process and its applicability to a provincial RITL program. This effort included multiple stakeholder meetings and a review of related documentation, with findings compiled in a formal Data Integration Report.

KEY COMPONENTS OF THE REPORT:

- **Current Process Overview:** Described components of the OneStop data collection process relevant to RITL
- **Data Support Analysis:** Evaluated how AER data could be used to build and maintain a spatial RITL product
- **Integration Scenarios:** Outlined possible technical pathways for integrating AER data into RITL workflows
- **Feasibility and Limitations:** Identified benefits, obstacles, and implementation effort required for data integration
- **Actionable Next Steps:** Provided a series of recommendations to support continued progress toward a province-wide RITL solution
- **Appendices:** Included detailed research documentation and meeting outputs for transparency and traceability

This report offered a tactical assessment that would guide both **Alberta Data Partnerships (ADP)** and its partners in evaluating the next evolution of spatial land interest mapping in Alberta.

RESULTS

The 2022 AER Data Integration Report provided critical clarity on the potential use of AER's OneStop data in a RITL mapping context. **It was determined that:**

- A province-wide RITL mapping program remains a **natural next step** for spatial land data in Alberta.
- **AER's data could contribute meaningfully** to the build and ongoing maintenance of a provincial RITL product.
- However, **the traditional mapping approach used for titled land was not scalable for RITL** due to the sheer volume of interests to be mapped.

The report reinforced the **need for innovation in mapping methodology** to ensure efficiency and affordability at a provincial scale.

This project illustrates MNC's ability to conduct **targeted integration assessments** and **deliver actionable data strategy reports**, providing a model that can be adapted to other jurisdictions or datasets exploring large-scale mapping initiatives.

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

TECHNOLOGY PLATFORM & TOOLS:



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ABOUT MNC

The Cadastral and Parcel Mapping Experts



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