Indian Reserves in Canada
2900 Indian Reserves
32,200 km²

296,000 km²

Public Lands in Territories
3,900,000 km²

Offshore Area
3,700,000 km²
CLSR / ILR Data Model - LADM

Canada Lands Survey Records (CLSR)

- Person
- Right
- INAC Parcel
- Land
- Boundaries
- Points

Indian Land Registry (ILR)

- LA_Party
- LA_RRR
- LA_BAUnit
- LA_SpatialUnit
- LA_Boundary
- LA_SourcePoint
CLSR / ILR Expanded Data Model

**Indian Land Registry (ILR)**
- LA_Restriction
  - Encumbrance
  - Designation

**Survey Plan**
- Survey Plan

**Unique and Homogeneous RRR**
- Unique and Homogeneous RRR

**Lawful Poss.**
- Lawful Poss.

**Head-Lease**
- Head-Lease

**Sub-Lease**
- Sub-Lease

**Lease**
- Lease

**LA_Party**
- LA_Party

**LA_RRR**
- LA_RRR

**LA_BAUnit**
- LA_BAUnit

**LA_SpatialUnit**
- LA_SpatialUnit

**LA_FaceString**
- LA_FaceString

**Superseded**
- Superseded
  - Active
  - Poor Spatial Description

**Canada Lands Survey Records (CLSR)**
- Canada Lands Survey Records (CLSR)

**Limited Right Areas**
- Limited Right Areas

**Land Parcel**
- Land Parcel
Reconciling Lawful Possession

- LA_BAUnit already exists (Lot 42)
- Lawful Possession already associated to LA_BAUnit
- LA_SpatialUnit already exists (Lot 42)

- Associate LA_BAUnit to LA_SpatialUnit
Reconciling Head Leases

- LA_BAUnit already exists (Lot 98)
- Head Lease already associated to LA_BAUnit
- Lots 98-1 and 98-2 exist as active parcels
- Recreate LA_SpatialUnit (Superseded Parcel)
- Associate LA_BAUnit to LA_SpatialUnit
Reconciling Designations

- Create the LA_BAUnit (INAC Parcel) Block K
- Associate Designation Right to LA_BAUnit
- Recreate the LA_SpatialUnit (Superseded Parcel)
- Associate LA_BAUnit to LA_SpatialUnit
Reconciling Encumbrances

- Create the LA_BAUnit (INAC Parcel) (R/W)
- Associate encumbrance to LA_BAUnit
- LA_SpatialUnit already exists
- Associate LA_BAUnit to LA_SpatialUnit
Cardex Holdings

- Usually poor written description of extent (Not based on survey plan)
- Approximate location represented using ovale shape
  - Centre represents approximate location
  - Axes represent approximate size and orientation
Registry Index Plan (RIP)
Parcel Abstract Report
Next Steps

- Complete Reconciliation Project
  - 45,000 completed
  - 35,000 to complete by March 2010

- Future Considerations:
  - Oil&Gas surface rights
  - Sub-Surface rights
  - Condominiums (LA_LegalSpaceBldgUnit)
  - Spatial Relationships (LA_RequiredRelationship)
Conclusion

- Indian Land Registry Reconciliation project well aligned with LADM concepts

- Looking forward to ISO19152 – LADM to support future Survey / Registry Systems integration on [Canada Lands](#)