

The Ice River group of mineral claims is owned 100% by Eagle Plains Resources Ltd. and consists of 11 MTO mineral claims totaling 2169 Ha, located approximately 45 kilometres east of Golden, B.C. The property is underlain by the Ice River Complex, a world-class alkaline suite of intrusions host to numerous potential commodities, including Rare Earth Elements (REE), Nb, Zr, Hf, and Ag-Pb-Zn-Cu-Au; as well as industrial mineral products, including ceramic grade feldspathic minerals, coal-benefaction grade magnetite, sodalite syenite, and many varieties of dimension stone.



**Eagle Plains  
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## ICE RIVER PROJECT

### Project Highlights

- 2005-2009 fieldwork established widespread REE and Nb mineralization over >5 km:
  - 29 samples to date returned > 3000 ppm TREE. **Best = 3% TREO.**
  - 34 samples to date returned > 600 ppm Nb. **Best = 0.56% Nb2O5.**
- New (2009) 600x600 m REE-Nb soil geochemical anomaly has yet to be evaluated.
- 2007 drilling program at the Waterloo showing verified significant massive sulphide intercepts of Pb, Zn, Ag, Cu mineralization with Au to 340 ppb.
- IP Geophysical survey of the Waterloo showing indicates additional untested chargeability targets at depth.
- Recent expenditures and results ensure this is a *property of merit*.

### Project History

The Ice River group of claims was first mapped by the GSC in 1914. Albany Oil and Gas evaluated the property in 1971 for titaniferous magnetite, columbium/niobium, and sodalite. Cominco Ltd. investigated the base and industrial metals in the area in 1971. In the late 1980's to early 1990's the property was revisited for its sodalite potential. The area is of great interest to mineral collectors primarily for sodalite, and also for a wide variety of rare minerals associated with alkaline complexes.

### Eagle Plains Program

- 2003 – northern half of the current tenure was staked by Eagle Plains Resources.
- 2005-2006 – Reconnaissance to detailed prospecting/geological mapping and rock sampling.
- 2007 – A 5 hole diamond drill program at the Waterloo base metal showing and soil geochemical survey.
- 2008-2009 – Additional soil geochemical surveys and follow-up prospecting leading to discovery of new REE-Nb mineralization at treeline.

### Eagle Plains Future Plans

Fieldwork and geochemical programs have successfully determined a number of rock type hosts to REE and Nb +- Zr-Hf mineralization. Continuing exploration on the property will focus on further delimitation of surface expressions with the intent of firming up drill targets for the late 2011 season.

### Geology

The Ice River Complex is one of the largest and best preserved alkaline ijolite/syenite/carbonatite complexes in the world. As such, it has been the focus of several projects from both economic and academic perspectives. Within the complex, two distinct suites are present: an early, layered, alkaline-mafic suite of jacupirangite, ijolite and urtite, cored by a carbonatite plug and cross-cut by late carbonatite dykes; and a later zoned and cross-cutting syenitic series, associated with a zeolite and feldspar-bearing carbonatite. The alkaline rocks intruded Cambrian and Ordovician shales and carbonates of the Chancellor, Ottertail and McKay Formations. The current tenured area includes most of the eastern margin of the Ice River Complex where it is in contact with limestones and limey shales of the Ottertail Formation and McKay Groups, respectively.

*A project summary and detailed maps may be viewed at [www.eagleplains.com](http://www.eagleplains.com)*