

The 167 km<sup>2</sup> Karin Lake Property is located 40 km SE of the world class uranium mine at Key Lake, Saskatchewan.

Eagle Plains Resources Ltd. (EPL : TSX-V) owns the project 100% with no underlying royalties or encumbrances.

Property staked in 2006, following recommendations of EPL company founder, Bob Termuende, who ran U-exploration programs in the region from 1969-1972.

Project qualifies as a "Property of Merit"



**Eagle Plains  
Resources Ltd.**

Contact Information:

Eagle Plains Resources Ltd.  
Suite 200, 16 - 11th Ave. South  
Cranbrook, BC, Canada V1C 2P1  
1 866 Hunt Ore (866 486 8673)  
Email: info@eagleplains.com

**[www.eagleplains.com](http://www.eagleplains.com)**

## KARIN LAKE PROJECT (Uranium, REEs)

### **Project Highlights**

- Claims cover 15 known uranium showings with historical grab samples to 8.00% U<sub>3</sub>O<sub>8</sub>.
- EPL rock samples have returned significant REE values (up to 2.1% TREO) from 6 of these showings.
- 2007 airborne geophysics indicates a 25+ km oval conductor that is prospective for U and REE mineralization.
- Regional mapping and airborne geophysics indicates a 20+ km linear package of prospective rocks correlatable to the adjacent Baska-Eldorado property which recently returned **55.9% total rare earth oxides (TREO)**.

### **Geology**

The claims are underlain by metasedimentary sequences of the Paleoproterozoic Wollaston Group, draped over Archean granitic gneiss inliers. Unconformities and faults at the Paleoproterozoic/Archean boundaries are the loci for most of the known mineralization on the property. This pattern of mineralization is analogous to basement-hosted U mineralization at proximal world class mines such as Key Lake, Sue-C, and Eagle Point. Pegmatites and quartz veins are ubiquitous at most showings and are associated with the anomalous REE results.

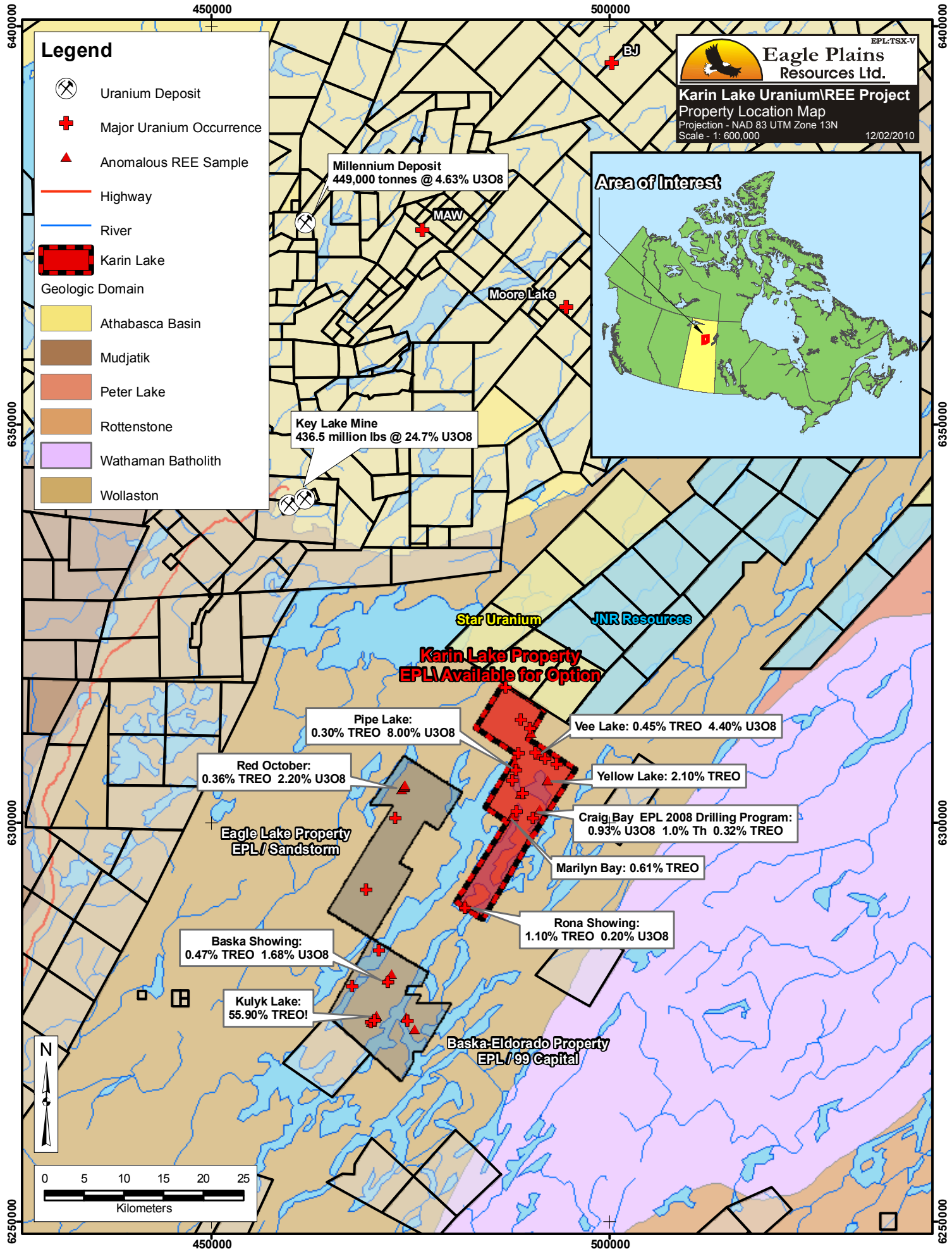
### **Exploration History**

- 1968-1972 – Great Plains Development Company locates most historic showings.
- 1975 – Regional mapping by G.E. Ray highlights similarities to Key Lake mine area.
- 1977-1981 – Denison Mines completes fieldwork and 29 DDH holes.
- 2006-2008 – Staking and systematic exploration by Eagle Plains.

### **Eagle Plains Future Plans**

- Proposed 2010 program will include detailed soil geochemical surveys, ground geophysical surveys, trenching and geological mapping.
- A Phase II diamond drilling program will target the best showings, contingent on favourable results from Phase I work.

*For more project information, please visit [www.eagleplains.com](http://www.eagleplains.com)*



### Legend

- Uranium Deposit
- Major Uranium Occurrence
- Anomalous REE Sample
- Highway
- River
- Karin Lake
- Geologic Domain
  - Athabasca Basin
  - Mudjatik
  - Peter Lake
  - Rottenstone
  - Wathaman Batholith
  - Wollaston

EPL-TSX-V

**Eagle Plains Resources Ltd.**

**Karin Lake Uranium/REE Project**

Property Location Map

Projection - NAD 83 UTM Zone 13N

Scale - 1: 600,000

12/02/2010

### Area of Interest



**Millennium Deposit**  
449,000 tonnes @ 4.63% U3O8

**Key Lake Mine**  
436.5 million lbs @ 24.7% U3O8

**Karin Lake Property**  
EPL Available for Option

**Pipe Lake:**  
0.30% TREO 8.00% U3O8

**Vee Lake:** 0.45% TREO 4.40% U3O8

**Red October:**  
0.36% TREO 2.20% U3O8

**Yellow Lake:** 2.10% TREO

**Eagle Lake Property**  
EPL / Sandstorm

**Craig Bay EPL 2008 Drilling Program:**  
0.93% U3O8 1.0% Th 0.32% TREO

**Marilyn Bay:** 0.61% TREO

**Baska Showing:**  
0.47% TREO 1.68% U3O8

**Rona Showing:**  
1.10% TREO 0.20% U3O8

**Kulyk Lake:**  
55.90% TREO!

**Baska-Eldorado Property**  
EPL / 99 Capital

