



*The Turnor Lake Project is situated in the eastern plane of the Athabasca Basin. Depth to the unconformity is shallow at approximately 180 metres. The property covers known graphitic conductors that are associated with uranium showings on adjoining properties, namely Cameco's La Rocque showing (33.9% U3O8 over 5.5 m) to the west and Areva's HLH-50 intercept (5.2% U3O8 over 0.38 m) located to the south.*

## WORK TO DATE

The drilling conducted on the Turnor Lake Property to date has produced abundant evidence that the hydrothermal processes related to the formation of uranium ore-bodies has occurred within the project area.

- During 2005, Purepoint ground geophysics that included 95 kilometers of magnetic surveying and 97 kilometers of fixed loop transient electromagnetic (EM) surveying that outlined over eight kilometers of EM conductors;
- In 2006, a 12 hole, 2642-metre diamond drill program was undertaken with all of the drill holes intersecting strongly anomalous radioactivity and many intersecting intense fracturing and clay alteration suggesting a widespread uranium mineralizing event;
- Between 2006 and 2008, exploration consisted of airborne magnetic and electromagnetic surveys (VTEM), line cutting, ground 3D resistivity, electromagnetic and gravity surveys and diamond drilling;
- Drilling has continued to intersect anomalous uranium mineralization with the best results from drill hole TL-19 returning 1230 ppm U (0.15% U3O8) over 0.12 metres located a few centimeters above the unconformity.

## TARGET AREAS

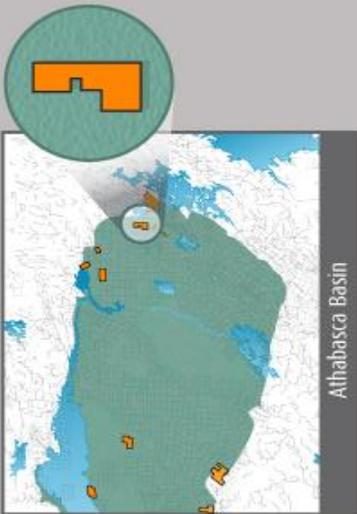
During 2011 the company created a 3D lithological model from interpreted cross-sections, drill hole information and surface/bedrock geology. Geophysical data was added in tight integration with the geological model and newly created geophysical inversions, allowing the geophysical data to be represented by a 3D distribution of physical rock properties. Using GOCAD Mining Suite Targeting Workflow by Mira Geoscience, the exploration targets have been refined.

- **Quetzal Zone:** The Quetzal Zone is comprised of a complex series of electromagnetic conductors interpreted to represent faulted graphitic rocks of a nature typically associated with uranium deposits in the Athabasca Basin.
- **Klaproth Lake:** Holes completed by Purepoint at Klaproth Lake (south of the Quetzal Zone) have outlined uranium-rich alteration in the sandstone (e.g. TL-03 with 22 metres of clay alteration and 29 metres of 34 parts per million U). By way of comparison, the Athabasca sandstone has a consistent background uranium content of only 2 to 3 parts per million;
- **Cotinga Lake:** EM conductors outlined within the Cotinga Lake area are coincident with sandstone having a low apparent resistivity response that is considered to represent favourable clay alteration. A water sampling program carried out by Asamera Oil Corporation in 1977 found Cotinga Lake to have elevated concentrations of radon.
- **Serin Conductor:** The Serin conductor is interpreted to be the northeastern extension of the conductor which hosts Cameco's La Rocque showing. Results from EM surveys suggest the conductor is offset by approximately 150 metres at the same location that a refraction seismic survey, conducted by Saskatchewan Energy and Mines in 1984, reflects a significant down drop in the basement topography. The MacArthur River Deposit, one of the world's largest uranium mines, was formed at the site of a similar basement step-fault.
- **Anvil South:** In 1983, Saskatchewan Mining Development Corp. intersected uranium mineralization at Anvil South in DDH OD-1. The hole returned 0.06% U3O8 over 3.4 m within a hydrothermally altered pelite immediately below the unconformity. Anomalous arsenic, nickel and cobalt over 0.5 m were associated with the alteration.

## WORK PLAN

Diamond drilling of exploration targets refined by the GOCAD targeting process is planned for winter 2013. Results of soil sampling conducted in 2011, and to be conducted in the summer of 2012, will aid in the prioritization of targets. Ground geophysical surveys (e.g. resistivity, gravity, EM) will be conducted over the Anvil South grid before drilling occurs in this prospective area.

**Turnor Lake Project**  
 Purepoint Uranium Group Inc.  
 Location Map 9,705 Hectares NTS 74 1/9  
 Date Prepared: September 2008



**Legend**

- Exploration Targets
- EM Conductor (Assessment Tiles; Purepoint, 2005)
- ▨ Magnetic High (Granite)
- Geologic Contact - Interpreted
- Seismic Target (SEW 1984)
- ⊙ Diamond Drill Hole

