

Prairie Lake South & West URANIUM - REE, GOLD & DIAMOND Potential Properties

Prairie Lake South & West property ties on to Nuinsco Resources Carbonatite Complex

Nuinsco Resources Limited: 330 to 360 Million Tonne Exploration Target Mineralization

Inventory Estimated at Prairie Lake

Toronto, January 13, 2010 – Nuinsco Resources Limited (“[Nuinsco](http://www.nuinsco.ca)”)(TSX:NWI, www.nuinsco.ca) today announced that P&E Mining Consultants Inc. (“P&E”) has completed an Exploration Target Mineralization Inventory (ETMI) estimate that demonstrates the huge scale and potential economic significance of Nuinsco’s 100% owned, Prairie Lake Project in northwestern Ontario.

The ETMI sets the target estimate for the two areas drill-tested to date, the SW Zone and Jim’s Showing, at between 330 and 360 million tonnes averaging 3.5% to 3.7% P₂O₅ and 0.12% to 0.14% Nb₂O₅ (1.2 to 1.4 kg/tonne). In addition to phosphorous and niobium, the suite of minerals of economic significance includes tantalum (Ta), uranium (U) and rare earth elements (REE) (including lanthanum (La), cerium (Ce), samarium (Sm), neodymium (Nd) and yttrium (Y)).

Prairie Lake South & West Property Location and Access:

The Prairie Lake South Property consist of 76 and Prairie Lake West consist of 37 contiguous unpatented mining claims, located approximately 45 kilometers northwest of Marathon and 28 km north of Hwy. 17. The property is readily accessible from Trans- Canada Highway 17 - Dead Horse Road. The Dead Horse Road cut the main part of the Property in the northern section and the southern section of the property is accessibly true logging Roads.

Prairie Lake South Property:

The Prairie Lake South Property consists of 5 unpatented contiguous mining claims (76 units, 1,216 hectare) recorded in good standing in Thunder Bay Mining Division within the Killala Lake Twp. G-0596 .

Claims/units:

4246258 (12), 4246259 (16), 4246260 (16), 4246261 (16), 4246262 (16)

Prairie Lake West Property:

The Prairie Lake West Property consists of 3 unpatented contiguous mining claims (37 units, 592 hectare) recorded in good standing in Thunder Bay Mining Division within the Killala Lake Twp. G-0596

Claims/units:

4246255 (13), 4246269 (16), 4246270 (8)

Prairie Lake West Property Carbonatite:

Heavy minerals associated with carbonatite were recovered from several samples. Of particular interest is sample 16-MA-99. This modern alluvium sample yielded a large number and variety of heavy minerals similar to those recovered from the Prairie Lake Carbonatite. In addition, several other heavy mineral types, also found at the Molycorp Pass Carbonatite in northern California, were recovered. The Molycorp Mountain Pass Carbonatite is of particular interest as it is a major supplier of rare earth metals to the world and has been since the early 1950s. Barite, synchysite and bastnaesite are the 3 important minerals associated with the California deposit which measures only 200-300 feet across. To test whether the mineral signature of the modern alluvium sample were derived from the Prairie Lake Carbonatite, which occurs up ice, 2 bedrock samples were taken close to the sample site. The minerals derived from these bedrock samples confirmed that the modern alluvium mineral signatures were local and similar to that reported from the Molycorp Mountain Pass Carbonatite.

Please contact me for more information or see complete report on my web site at:

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