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**NEWS RELEASE - For Immediate Release**

### **Northern Superior Ramps-Up Logistics for its 2011 Exploration Program**

*Sudbury, Ontario, February 15<sup>th</sup>, 2011.* Northern Superior Resources Inc. (the “Company”) is pleased to announce that the Company has begun the process of ramping-up logistics for its 2011 exploration program. Following board approval and consultation with the Company’s joint venture partner and stake holders, Northern Superior will initiate or continue to explore on a number of its properties this year.

**Chibougamau River Property (143 claims, 8,008 Ha), and adjacent Lamarck Creek gold Property (151 claims, 8,456 Ha), west-central Quebec**

#### **Chibougamau River Property:**

- Adjacent to a Cu-Zn-Ag-Au deposit containing total reported reserves of 615,000 t of 1.09% Cu, 2.51% Zn, 30.5 g/ t (0.98 oz/ t) Ag, and 9.3 g/ t (0.3 oz/ t)Au;
- Cross-cut by northeast-trending Lamarck Fault that hosts the former Lac Shortt gold mine and current Bachelor Lake gold mine and mill southwest of the Property;
- Reported property mineralization includes: a) bedrock grab sample of 2.4 g/t (0.08 oz/t) Au; b) RC- drilling bedrock chip samples of 3,600 ppm Zn, 240 ppm Cu and 2.1 ppm Ag; and c) adjacent to the property, anomalous lithochemical gold values (10 to 90 ppm) accompanied by Cu, Zn, and As from highly sheared, veined, carbonatized rocks , rocks associated with the Lamarck Fault which extends onto the property - highlighting the potential for epigenetic gold mineralization.

#### **Lamarck Creek Gold Property:**

- Reported lithochemical analysis from heavy mineral concentrates recovered from the lower portions (1.5 m over bedrock) of the Chibougamau till returned gold values up to 1,000 ppm Au, and 39 ppm Ag.

- Reported 4.7 g/ t (0.15 oz/ t) Au from a quartz float boulder.

The Company, in consultation with the Waswanipi First Nation, is planning 60-hole reverse circulation drill programs on each of the properties (120 holes total) this quarter. Additional exploration will be based on results from this drill program.

The geology associated with the **Chibougamau River and Lamarck Creek properties**, indicate the following “Abitibi Greenstone belt style” exploration models:

- Stratiform/stratabound deposits including cross-cutting quartz vein zones hosted within interflow sedimentary-felsic volcanoclastic-tuffaceous-sedimentary environments near volcanic contacts (Golden Pond).
- Stratiform/stratabound volcanogenic massive sulphide deposits (VMS) in a generally felsic volcanic-sedimentary environment (Estrades, Lemoine, Mattagmi).
- Structurally controlled, shear-zone hosted lode gold deposits within iron-rich lithologies such as iron formations, small dioritic intrusions, major differentiated sills, and mafic flows/sills, located proximal to felsic intrusives in some cases (i.e. Lac Shortt and Bachelor Lake Mines).
- Disseminated gold deposits associated with carbonated, pyritic mafic volcanics (i.e. Owl Creek, Dome Mine).

#### **Wachigabau gold property (359 claims, 14,578 Ha), west central Quebec**

- Historical sampling by the prior operator reported lode gold mineralization associated with quartz veining, values in drill hole intersections up to 5.39 g/t (0.17 oz/t) Au over 2.4m, 10.3 g/t (0.33 oz/t) Au over 0.3m and 10.1 g/t (0.33 oz/t) Au over 1.0m;
- Reported quartz veins of up to 0.15 m (6 inches) returning grab sample assay values of 4,292.28 g/t (138 oz/t) Au and 14,012.13 g/t (450.5 oz/t) Ag and channel samples returning assay values of 109.48 g/ t (3.52 oz/t) Au over 0.91m (36inches) from historical stripping and trenching from northeast part of property;
- Remobilization of Cu-Au along continuous fracture systems, (with historical assays returning up to 2.62% Cu, 14 g/t (0.45 oz/t) Ag and 3.14 g/t (0.1 oz/ t) Au over a 3.25m drill hole intersection;
- Potential for volcanogenic Cu-Zn massive sulphide mineralization.

Following exploration on the property during the spring of 2010, the Company identified several promising gold drill targets. With final approval from the Company’s joint venture partner, Matamec Explorations Inc., and in consultation with Waswanipi First Nation, Northern Superior is planning to complete a diamond drill program during the third and fourth quarters of 2011.

**New Growth gold property (103 claims, 21,712 Ha), northwestern Ontario (adjacent to TPK joint venture with Rainy River)**

- Three gold exploration targets identified from the distribution and concentration of a regional overburden exploration program completed in 2008;
- These targets are associated with structures that appear to extend northwest from those shear zone(s) identified on the TPK (Ti-pa-haa-kaa-ning) gold property believed to host significant gold mineralization.

The Company is planning, in consultation with Neskantaga First Nation, a 2011 exploration program involving overburden and bedrock sampling and mapping. Results from this program will dictate future exploration.

**Rapson Bay/Meston Lake gold properties (19 claims, 4,864 Ha) northwestern Ontario.**

- Several reported showings on the Rapson Bay property including a dike with reported values of 12 g/t Au over 4 meters;
- Strong, local history of gold and base metal exploration (God's Lake / Lingman Lake).

The Company will be planning in consultation with Sachigo Lake First Nation an airborne geophysical survey, prospecting and an overburden and bedrock mapping and sampling program. Results from this program will dictate future exploration.

Dr. T.F. Morris, President and CEO of Northern Superior Resources states: "The Company is very pleased with the success it is now realizing from the joint venture on its TPK (Ti-pa-haa-kaa-ning) gold property with Rainy River Resources Inc, and we expect to see this success continue and develop over 2011. With the TPK exploration program progressing successfully under the operatorship of Rainy River, and with \$18 million raised in our recent financings, Northern Superior is now in a position to aggressively develop its other gold exploration projects. Northern Superior looks forward to reporting the progress on these strategic gold exploration programs through 2011."

In addition to the projects highlighted above, Northern Superior will advance exploration on its Lespinay/ Lac Surprise and Hazeur gold properties upon receipt of results from the Company's 2010 fall overburden sampling and ground geophysical programs.

About Northern Superior

Northern Superior Resources Inc. is a junior exploration company focused on exploring for gold and diamonds in the Superior Province of the Canadian Shield. The Company currently has three active, high quality gold exploration projects in Ontario and Quebec- TPK, Thorne Lake and Wachigabau (see Company web site, [www.superior.com](http://www.superior.com)). These projects, and eight more early stage gold exploration projects (Rapson Bay, Meston Lake, New Growth, Lespinay, Lac Surprise, Hazeur, Chibougamau River and Lemarck Creek), were all developed from Public and the Company's proprietary geoscientific data base. Additional gold exploration projects are currently being developed from these data bases. In addition to optioning out the TPK property, the Company is currently looking to option-out its other

100% owned Rapson Bay, Meston Lake, New Growth, Lespinay, Lac Surprise, Hazeur, Chibougamou River and Lemarck Creek gold projects. Northern Superior is a reporting issuer in British Columbia, Alberta, Ontario and Quebec, and trades on the TSX Venture Exchange under the symbol SUP. For further information contact:

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