

## NORTHERN SUPERIOR RESOURCES INC.



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### NEWS RELEASE - For Immediate Release

## Northern Superior Initiates Rapson Bay Exploration Program, Northwestern Ontario

*Sudbury, Ontario, April 6<sup>th</sup>, 2011.* Northern Superior Resources Inc. (the “Company”) is pleased to announce that it has initiated exploration on its 100% owned, Rapson Bay gold exploration property in Northwestern Ontario. The property is located approximately 60 km north of the Community of Sachigo Lake First Nation with whom the Company has signed a Letter of Agreement supporting the exploration program.

### PROPERTY HIGHLIGHTS

- Mineralization on the property includes:
  - a) gold mineralization returning 12.09 g/t (0.39 oz/t) Au and 0.10% Cu over 4.0m from strongly fractured gabbro with 3% combined disseminated and fracture-hosted pyrite and chalcopyrite;
  - b) reported grab samples ranging from 82.4 g/t (2.65 oz/t) Au to 124.4 g/t (4 oz/t) Au from a 0.9m wide quartz vein;
  - c) reported grab sample of 62.2 g/t (2 oz/t) Au from a second, 0.9m wide quartz vein;
  - d) seven gold occurrences, four copper occurrences, three zinc occurrences and one silver occurrence within the property.
- The Rapson Bay property covers a large portion of the fertile Stull Lake Green Stone Belt, the same greenstone belt which hosts the Mega Precious Metals Inc. Monument Bay gold deposit 30 kms west with reported inferred resource estimated to be 6.3 million tonnes at 5.98 g/t Au for 1,212,000 oz contained gold at 3 g/t Au cut off grade;
- The Rapson Bay property covers a second structure that hosts the Puma Exploration/ Tanqueray Resources Ltd., Little Stull Lake gold deposit, located 22 km northwest with reported historical gold resource estimated at 750,000 tonnes at a grade of 10.3 g/ t Au.

### 2011 Exploration Program

The Company has just completed an aggressive staking program to expand the property from 15 claims (approximately 3,840 hectares) to 109 claims (approximately 25,664 hectares). This staking is based on the results and recommendations made from a prospecting program completed in the fall of 2010.

An airborne, total field magnetic survey was recently completed over the property in the last quarter. The Company engaged the services of Tundra Airborne Surveys to complete a 5,124 line km survey (4,927 line km of traverse lines; 197 line km of control lines), using their Heli 3G, helicopter towed, 3 axis magnetic gradiometric system. The survey was flown at 30m height with line spacing set at 100m.

Using the results from the prospecting program completed last fall and the data acquired during the latest airborne survey, the Company will initiate an expanded prospecting program that will include overburden and bedrock sampling and mapping programs. This work is expected to be completed by the third quarter of 2011, and is designed to identify targets for a diamond drilling program scheduled for the either the fourth quarter of 2011 or first quarter of 2012.

### **Commentary**

Dr. T.F. Morris, President and CEO of Northern Superior Resources states: "The Company is very pleased to initiate exploration on its 100% owned, Rapson Bay gold property. This property is located in an under-explored area on structures related, and in close proximity to, significant gold deposits. With this in mind, and with what is known to exist on the property, we are anxious to begin our exploration programs and look forward to the results from this effort later in 2011."

### **Annual General Meeting**

The Company would also like to announce that the Annual General meeting will be held Monday, May 2, 2011 at 1:00 pm. Pacific Time (4:00pm EST) in the Governor General Parlour Room, the Toronto Hilton, 145 Richmond Street West, Toronto, Ontario M5H 2L2. All interested shareholders are invited to attend.

### **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, Chibougamou River and Lamarck Creek), were all developed from the Company's extensive geoscientific data base. Additional gold exploration projects are currently being developed from this data base. 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 Lamarck 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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