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**NEWS RELEASE - For Immediate Release**

**NORTHERN SUPERIOR RESOURCES INC. DEFINES ADDITIONAL GOLD EXPLORATION TARGETS, THORNE LAKE PROJECT, NORTHWESTERN ONTARIO**

Sudbury, Ontario (October 27<sup>th</sup>, 2009): **Northern Superior Resources Inc.** (“Northern Superior” or the “Company”) announced today that the 2009 overburden sampling program, on its Thorne Lake property in Northwestern Ontario, has identified four new gold targets.

Dr. T.F. Morris, President and CEO commented “The gold grain-in-till data derived from the 2009 overburden sampling program clearly defines new gold exploration targets on the Property. These targets are in addition to those associated with the 3 gold anomalies (gold grain-in-till dispersal trains) identified during the 2008 exploration program. Of particular interest are two gold exploration targets associated with the western-most gold anomaly defined during the 2008 exploration program (see press release January 26<sup>th</sup>, 2009). The distribution of gold grain values associated with this anomaly was initially thought to be derived from one source. The data acquired from this summer’s program indicates that there are three overlapping gold grain dispersal trains (see figure, Northern Superior Resources website, [www.nsuperior.com](http://www.nsuperior.com), Projects, Thorne Lake Gold Project).”

Dr. Morris further states: “The number of gold targets defined to date illustrates the potential of this property for gold mineralization.”

The success of the 2008 and 2009 overburden sampling programs is due in large part to the recognition of thin, basal tills. The 2009 exploration program confirmed that these tills are of local origin which is reinforced by the high percentage of pristine gold grains associated with these tills. Exploration efforts will now be focused on a more defined area up-ice of the most anomalous gold grain-in-till values.

The large number of gold grains recovered from these basal tills associated with the new gold exploration targets is significant. These gold grain values are either comparable to, or higher than, those recovered from till samples collected in 2008 and to gold grain-in-till dispersal trains associated with the nearby Sachigo River gold mine (see Table 1). The past-producing Sachigo River gold mine is located approximately 15 km east of the Company’s property, in the same greenstone belt, and produced 52,560 ounces of gold at an average grade of approximately 1.1 oz Au/t (38.8 grams Au/t).

Table 1. Comparison of gold grain values recovered from overburden samples collected on the Company’s Thorne Lake gold property, Northwestern Ontario, to those recovered down-ice from the neighboring Sachigo River gold mine (see figure, Northern Superior Resources website, [www.nsuperior.com](http://www.nsuperior.com), Projects, Thorne Lake Gold Project). Note the high percentage of pristine gold grains.

<b>Thorne Lake Gold Exploration Targets</b>						
<b>Exploration Target</b>	<b>Year Identified</b>	<b>Largest Gold Grain Anomaly</b>				
		<b>Total</b>	<b>Reshaped</b>	<b>Modified</b>	<b>Pristine</b>	<b>% Pristine Gold Grains</b>
Dispersal Train # 1	2008	65	6	20	39	60
Dispersal Train # 2	2008	476	3	19	454	95
Dispersal Train # 3	2008	12	7	3	2	17
Target # 1 (TL09-072)	2009	147	17	55	75	51
Target # 2 (TL09-019)	2009	294	4	54	236	80
Target # 3 (TL09-069)	2009	186	1	24	161	87
Target # 4 (TL09-078)	2009	52	2	7	43	83

  

<b>Sachigo Lake Gold Mine Gold Grain-In-Till Dispersal Trains</b>						
<b>Dispersal Train Number</b>	<b>Year Identified</b>	<b>Largest Gold Grain Anomaly</b>				
		<b>Total</b>	<b>Reshaped</b>	<b>Modified</b>	<b>Pristine</b>	
Dispersal Train # 1	2002	18	7	2	9	50
Dispersal Train # 2	2002	69	3	9	57	83

Donald Boucher (P. Geo.) is the designated Qualified Person for this aspect of the project. As QP, he has supervised the preparation of the scientific or technical information for the property and has verified the data disclosed in this press release.

International Nickel Ventures (INV), entered into an option agreement with Northern Superior in May 2009 (see press release May 28<sup>th</sup>, 2009). Under the terms of the agreement, INV may earn a 50% interest in the Property by funding \$1.5 million in exploration expenditures over four years, with a first year commitment of \$500,000. Upon INV completing its funding obligations, a joint venture will be formed with INV and Northern Superior both holding a 50% interest in the property. During the earn-in period, Northern Superior will remain the operator of the exploration project. INV may elect to sole-fund additional work programs, after earning its 50% interest, through to the completion of a pre-feasibility study to earn a maximum 60% interest.

#### **About Northern Superior**

Northern Superior Resources Inc. is a junior exploration company whose focus is exploring for gold on the Superior Province of the Canadian Shield. The Company is a reporting issuer in British Columbia, Alberta, Ontario and Quebec, and trades on the TSX Venture Exchange under the symbol SUP.

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This news release includes certain “forward-looking statements”. All statements other than statements of historical fact included in this release, including, without limitation, statements regarding potential mineralization, exploration results and future plans and objectives of Northern Superior are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from Northern Superior’s expectations are exploration risks detailed herein and from time to time in the filings made by Northern Superior with securities regulators.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.