



## **NORTHERN SUPERIOR RESOURCES INC.**

1988 Kingsway, Unit G  
Sudbury, Ontario, Canada  
P3B 4J8

Tel: (705) 525- 0992  
Fax: (705) 525- 7701

### **NEWS RELEASE - For Immediate Release**

#### **Northern Superior reports: Reverse Circulation Drill Program Defines High Priority Targets, Ti-pa-haa-kaa-ning Gold Project, Northwestern Ontario- *Follow-up Drill Programs to Commence Immediately.***

**Sudbury, Ontario (June 15th, 2010) Northern Superior Resources Inc.** (“Northern Superior” or the “Company”) is pleased to report that five (5) high priority gold targets have been identified from its recently completed, reverse circulation (RC) drill program on the Ti-pa-haa-kaa-ning (TPK) gold property, northwestern Ontario (see [www.nsuperior.com](http://www.nsuperior.com) for property location). The drill results have focused the area of exploration within a regional, 6km by 15km gold grain-in-till dispersal apron in overburden (see press release February 26<sup>th</sup>, 2009) to several discrete target areas at the head of the apron. In addition, a bedrock chip sample from an RC drill hole (TPKRC-10-54) that penetrated bedrock below the gold grain-in-till (soil) anomaly assayed 1.6 grams per tonne gold (g/t).

Dr. T.F. Morris, President and CEO states: “The RC drill program accomplished its goal of focusing our exploration area within the head of the Property’s remarkable gold grain-in-till dispersal apron, one of the largest in North America. Only the Meliadine gold deposit in Nunavut and the Rainy River gold deposit in the Fort Francis area are comparable in size and gold grain content. Data from the RC drilling, including anomalous gold assays from bedrock chips, clearly supports the Company’s assertion that this Property has the potential to host significant gold mineralization. Further exploration will commence immediately and will include taking advantage of the RC drill currently on site in addition to diamond drilling. We are also encouraged that the RC drill program has confirmed that overburden depth is relatively thin, with the maximum thickness being 15.7m, and in most holes less than 5m. Given that this first phase RC drill program was completed over such a large area (6km x 2km), the results from the program are remarkable and extremely encouraging.”

Targets identified from this RC program are based on: a) the visual identification of anomalously high gold and related arsenopyrite grains and confirmed by quantitative geochemical assay results completed on overburden heavy mineral concentrates; b) bedrock gold and multi-element geochemical assay results; and c) the association of these values to shear structures identified from previous diamond drill programs, supported by detailed logging of bedrock chips recovered from this RC drill program, and geophysical discontinuities interpreted from the Company’s proprietary airborne geophysical data base.

Follow-up RC drilling will focus on five of the best target areas. However, the quality and quantity of the other exploration targets identified from this RC program will still have to be tested at a future time. It is expected that further analysis of all data associated with this apron will identify additional gold targets embedded within the apron, down-ice from the “aprons head”. As such, it is expected that continued reconnaissance RC drilling further south and west will be carried out as the project progresses.

**Highlights of the RC program include:**

- ❖ **The Visual Mineralogical Report** received from Overburden Drilling Management identifies 12 reverse circulation drill holes with anomalous gold grain counts and other pathfinder minerals (see Table 1):
  - The majority of the gold grains are pristine indicating close proximity to sources;
  - Gold grain values of 195 and 328 grains, derived from the two lower till samples collected over bedrock from hole TPKRC-10-57, compares well with the highest gold grain anomaly reported to date from the Rainy River project (a normalized value of 282 derived from four till samples);
  - Recovered arsenopyrite grains from two holes with gold grains attached.
  
- ❖ **The Multi-element heavy Mineral Concentrate Assay Report** received from ActLabs highlights several RC drill holes with anomalous gold assay results on heavy mineral concentrates derived from overburden samples collected off bedrock. These results support and compliment the mineralogical data and confirm that several distinct gold-bearing zones occur within the dispersal apron. Some of the gold targets are closely associated with arsenopyrite while others are associated with pyrite. A unique target was identified by Hole TPKRC-10-63 which has a strong gold and arsenopyrite grain anomaly that is supported by the very anomalous gold and arsenic concentrate assay results plus a unique Zinc anomaly (see Table 2). Work is ongoing to finger-print the nature and characteristics of the targets identified to date using these datasets.
  
- ❖ **Multi-element Bedrock Assay Report** returned four anomalous samples with one RC bedrock chip sample returning 1.6 g/t in hole TPKRC-10-54 from 5.5 to 7.0m depth. This intersection is a new gold occurrence that will be tested by core drilling when the remaining targets have been defined (see Table 3).
  
- ❖ A number of mineralized shear structures transects the area drilled and discrete sections of these shear structures appear to be the source of anomalous gold grain counts recovered in both surficial and RC samples and from bedrock chip samples with anomalous gold assay values.

**Table 1. Gold grain counts and visual mineralogy.**

RC Drill Hole #	Overburden Sample #	Gold Grain Data				Other Grains	
		Total	Reshaped	Modified	Pristine	Pyrite	Arsenopyrite
RC10-23	23-01	219	40	76	103	250	1
RC10-54	54-02	115	5	34	76	150,000	750
RC10-55	55-02	93	31	38	24	150,000	6,000
RC10-56	56-01	34	16	12	6	60,000	5,000
RC10-57	57-04	195	4	37	154	300,000	200
	57-05	328	18	121	189	5,000	250
RC10-58	58-03	107	24	41	42	15,000	1,500
RC10-61	61-01	150	8	41	104	2,000	400
RC10-62	62-01	75	12	37	26	5,000	1,000
RC10-63	63-01	99	35	45	19	150,000	60,000

	63-02	177	20	85	72	150,000	20,000
	63-03	210	14	71	125	150,000	20,000
	63-04	245	12	71	162	600,000	30,000
RC10-66	66-02	73	6	30	34	150,000	1,500
RC10-71	71-05	78	8	26	44	3,000	250
RC10-73	73-04	42	18	17	7	30,000	3,500
	73-05	89	17	55	17	30,000	4,000
RC10-74	74-05	36	4	21	11	60,000	2,000

**Table 2. Heavy mineral concentrate assays.**

RC Drill Hole #	Overburden Sample #	Assay Data		
		Gold ppb	Arsenic ppm	Zinc ppm
RC10-23	23-01	23,100	54	23
RC10-54	54-02	7,220	3,500	160
RC10-56	56-01	13,100	10,800	94
RC10-57	57-04	11,500	1,130	225
	57-05	6,590	1,110	81
RC10-58	58-03	2,460	7,280	78
RC10-63	63-01	6,460	34,500	2,300
	63-02	6,720	28,100	4,310
	63-03	9,880	39,500	4,230
	63-04	15,600	39,100	2,650
RC10-66	66-02	9,130	44,400	46
RC10-73	73-04	2,980	7,910	125
	73-05	7,030	8,890	123

**Table 3. Bedrock chip assays.**

RC Drill Hole #	Bedrock Sample Number	Assay Data	
		Gold ppb	Arsenic ppm
RC10-25	25-05	49	12
RC10-29	29-02	273	665
RC10-54	54-03	1,600	24
RC10-63	63-05	84	39

### **About the Property**

The Company's 100% TPK property is a large land position in Northwestern Ontario covering a total of 42,719 hectares. In 2007, the Company announced the discovery of a highly prospective gold grain-in-till dispersal apron, which averaged 10.02 gold grains per kilogram of overburden, with an estimated fertile strike length of at least six kilometers (see press releases February 26<sup>th</sup>, 2009; January 21<sup>st</sup>, 2008). The Company's 2008 fall drill program indicated multiple sheared intervals hosting anomalous gold grain

values within the large dispersal apron that appear to be closely associated to splay structures of the regionally continuous Stull-Wunnumin fault (see press release September 15, 2009). These splays can be traced on the Company's proprietary airborne geophysical data flown during the fall of 2009 (see press release, September 15, 2009). The large dispersal apron and multiple, widely spaced, anomalous gold values in bedrock are interpreted to indicate the possibility of large scale gold mineralization system.

### **Quality Control**

The Company's Qualified Person ("QP") for the property is Donald Boucher, P.Geo. As QP, Mr. Boucher has prepared or supervised the preparation of the scientific or technical information for the reverse circulation program and has verified the data disclosed in this press release.

### **About Northern Superior**

Northern Superior Resources Inc. is a junior exploration company focused on exploring for gold in the Superior Province of the Canadian Shield. The Company currently has three high 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 three more early stage gold exploration projects (Rapson Bay, Meston Lake and Lespinay), were all developed from the Company's extensive geoscientific data base. Additional gold exploration projects are currently being developed from this data base. The Company is currently looking to option-out its 100% owned TPK, Rapson Bay, Meston Lake and Lespinay 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:

Thomas F. Morris  
President and CEO  
Tel: (705) 525 -0992  
Fax: (705) 525 -7701  
e-mail: [info@nsuperior.ca](mailto:info@nsuperior.ca)  
[www.nsuperior.com](http://www.nsuperior.com)

*Forward looking statements: This news release includes certain "forward-looking information" within the meaning of Canadian securities legislation and "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 (collectively, "forward looking statements"). Forward looking statements include predictions, projections and forecasts and are often, but not always, identified by the use of words such as "seek", "anticipate", "believe", "plan", "estimate", "forecast", "expect", "potential", "project", "target", "schedule", "budget" and "intend" and statements that an event or result "may", "will", "should", "could" or "might" occur or be achieved or other similar expressions and includes the negatives thereof. All statements other than statements of historical fact included in this release, including, without limitation, statements regarding potential mineralization, exploration results, interpretation of results, the timing and success of exploration activities generally, the timing and results of future resource estimates, 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. Forward looking statements are based on a number of material factors and assumptions. Important factors that could cause actual results to differ materially from Northern Superior's expectations include exploration risks, changes in project parameters as plans continue to be refined, results of future resources estimates, future metal prices, availability of capital and financing on acceptable terms, general economic, market or business conditions, uninsured risks, regulatory changes, defects in title, availability of personnel, materials and*

*equipment on a timely basis, accidents or equipment breakdowns, delays in receiving government approvals, unanticipated environmental impacts on operations and costs to remedy same, and other exploration or other risks detailed herein and from time to time in the filings made by the Company with securities regulators. Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ from those described in forward looking statements, there may be other factors that cause such actions, events or results to differ materially from those anticipated. There can be no assurance that forward looking statements will prove to be accurate and accordingly readers are cautioned not to place undue reliance on forward looking statements.*

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