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NORONT CONTINUES TO OUTLINE WORLD CLASS CHROMITE MINERALIZATION AT BLACKBIRD ONE AND TWO

TORONTO, ONTARIO September 23, 2008, Noront Resources Ltd. ("Noront or the Company") (TSX Venture: NOT) is pleased to present an update on its operations as well as additional chrome results on its chromium exploration activities in the McFaulds Lake area of northern Ontario in the James Bay Lowlands.

EXPLORATION HIGHLIGHTS

1) **Assay results received from Hole NOT-08-1G31 (see Table 1) from Blackbird One returned** 75 metres from 337.5 metres onwards, averaging 38.2% Cr2O3 containing 26.1% Chrome (Cr) and 15.2% Iron (Fe) including 12 metres from 373.5 metres onwards, averaging 58.4% Cr2O3 containing 39.9% Cr and 15.5% Fe **(Cr:Fe ratio of 2.6)**
2) **Drilling at Blackbird Two located 1,000 metres to the east of Blackbird One continues to encounter visible chromite mineralization in several holes testing the 900 metre long gravity anomaly.**

One drill is currently drilling at the Blackbird Two chrome occurrence, and will be moving to test the area between Blackbird One and Blackbird Two in systematic step outs of 100 metres to explore the area to determine continuity of the two zones. As previously announced (refer to press release dated July 29, 2008) Blackbird Two was discovered while testing a large gravity anomaly located approximately 800 metres to the east of Blackbird One and 1 kilometre south of the Eagle One magmatic massive sulphide (MMS) deposit.

The recent success of Noront's drilling at Blackbird One and Two, has been a very positive development in the Company's exploration for base and industrial minerals in the Ring of Fire. The grades of Cr_2O_3 that are typically being encountered by our drilling at Blackbird One, along with a favourable chromium to iron ratio, as well as the large crystals of chromite in a talc matrix observed during microscopic examination of core samples, will potentially place this discovery amongst the best chrome deposits in the world.

While it is still too early to comment on the metallurgical characteristics of the rock and anticipated chrome recoveries, the grades being encountered in holes reported to date, are consistently greater than 40% Cr_2O_3,have a Cr:Fe ratio that approximates 2:1. This conceptually, would allow for the rock to be fed directly into smelters without any further processing. Concentrating the rock on site could be by gravity separation, at relatively low cash costs after the initial capital investment for the mill facilities. This would allow for substantial value added to the discovery. At current world contract market prices for chrome, of $2.05 (USD) per pound (as per the European Q3 contract price), the grade of 40% Cr_2O_3 would command a price of around $600 per tonne delivered to a deep water port. Simple upgrading of the rock by use of an attrition/gravity mill that removes the talc matrix and liberates the chromite would enhance the value of the rock substantially.

Early drilling at Blackbird Two identified three parallel bands of massive chromitite that appear to be of similar size and visual nature to the Blackbird One discovery. Additional discoveries by the Spider/Freewest/KWG joint venture of 48 metres of massive chromite located only a few kilometres northeast of Blackbird Two, along with Freewest's recent discovery of 100 metres of chromite that included 60 metres of massive chromite, continue to lead the Company to believe that there is a potential for an extensive massive chromite belt in the current area of drilling. These four chromite occurrences discovered in the McFaulds Lake area to date are situated along a strike length of 10 kilometres within the Ring of Fire (ROF) as previously reported by Noront, Freewest and the Spider/KWG/Freewest JV in their recent press releases. This concentration of occurrences lends support to the comparison with the Kemi Mine in Finland, where multiple chromite lenses occur in a similar geological setting along a 15 kilometre belt as presented in Noront's recently filed NI-43-101 report on the project area. (to see the report, please refer to Noront website www.norontresources.com)

Noront and other ROF Companies who continue to drill in the area have encountered and are now delineating a potential new Chromite belt that is still open at both ends along strike, where the ROF continues on ground wholly owned by Noront. The Company is committed to further identifying the chromite footprint of Blackbird Two and testing its other holdings along the ROF for chromite and related copper-nickel massive sulphide mineralization.

BLACKBIRD ONE CHROME OCCURRENCE

The Layered Chromite ("LC") zone at Blackbird One is best described as a complex of varying thicknesses of massive chromite bearing layers within the Peridotite Sill. These Chromitite layers dip steeply at approximately 60 degrees to the west paralleling the contact between the Peridotite Sill and the adjacent Granodiorite. The holes containing significant Chromite mineralization reported to date have delineated a chromite body along a strike length of 125 metres, down to a vertical depth of 500 metres over wide core widths with favourable high Cr/Fe ratios. Blackbird One chrome occurrence is open. During the reporting period since

last press release an additional three holes were completed designed to test this chrome occurrence, assays for only one hole in its entirety have been received.

TABLE 1: Recently received significant Assay results (Blackbird One)

Hole ID	From (m)	To (m)	Int. (m)	Cu%	Ni%	Pd (g/t)	Pt (g/t)	Au (g/t)	TPM (g/t)	Cr2O3%	Cr%	Fe%
NOT-08-1G31	**337.5**	**412.5**	**75**	**0.02**	**0.15**	**0.24**	**0.18**	**0.03**	**0.45**	**38.2**	**26.1**	**15.2**
Including	**373.5**	**385.5**	**12.0**	**0.004**	**0.14**	**0.15**	**0.15**	**0.01**	**0.31**	**58.4**	**39.9**	**15.5**

Due to the limited number of drill hole and assay results, true widths are not yet determined for the chromite (LC) zones at Blackbird One. Assays are pending for the following drill hole recently completed at the Blackbird One occurrence.

TABLE 2: Summary of Recent Drilling (Blackbird One, assays pending)

Hole Number	Northing local (m)	Easting local (m)	Northing (UTM)	Easting (UTM)	Azimuth (degrees)	Dip (degrees)	Length (m)	Observed Mineralization
NOT-08-1G58	**750**	**3245**	**5842060**	**546150**	**0**	**-90**	**546**	**248.5-249.3: int cr beds**
								249.3-250.3: massive cr
								296.7-297.0: massive cr
								297.3-298.3: massive cr
								298.7-299.4 : intermitt cr beds
								330.5-330.8: massive cr
NOT-08-1G60			**5842100**	**546200**	**0**	**-90**	**454.3**	**no significant cr mineralization**
NOT-08-1G62			**5842138**	**546250**	**0**	**-90**	**804.6**	**705.0 -713.0: Diss - int cr short massive cr**
								722.9 - 726.0 diss - int cr, short mass cr
								734.0-735.9: diss - mass cr, with short mass cr

Notwithstanding the foregoing, visual observations are estimates only and pending assay results may not confirm visual observations in whole or in part. The drill has been moved away from this site for the time being and has moved to continue drilling in the vicinity of Eagle One.

BLACKBIRD TWO CHROME OCCURRENCE

The Blackbird Two chrome occurrence was recently discovered (see press release dated July 30, 2008) while testing a 900 metre long gravity anomaly, centered approximately 1,000 metres to the east of Blackbird One. There have been 11 holes drilled to test this anomaly, 6 of which have intersected massive chromite layers. No assays have been received from this chromite occurrence. The following table provides location and descriptions of each hole drilled to test this anomaly, that has been traced along strike for 340 metres between UTM sections 546555 mE to 546895 mE.

TABLE 3: Summary of Recent Drilling (Blackbird 2 assays pending)

Hole Number	Northing local (m)	Easting local (m)	Northing (UTM)	Easting (UTM)	Azimuth (degrees)	Dip (degrees)	Length (m)	Observed Mineralization
NOT-08-1G57	280	4000	5842238	547024	315	-50	516.8	152.5 - 170.4 semi-massive cr 173.3 - 188.5: diss - massive cr 362.5 - 417.7 interm. cr beds
NOT-08-1G59	500	4000	5842340	546895	135	-50	390	127.6 - 129.6 diss - massive cr 175.6 - 177.1 diss - massive cr 273.0 - 283.2 massive cr 292.5 - 294.2 massive cr
NOT-08-1G61	700	4000	5842540	546730	135	-50	600	280.4 - 297.75 semi-massive cr 336.0 - 339.0 interm - diss cr 345.0 - 357.6 diss - massive cr 369.0 - 370.7 diss - massive cr 375.0 - 417.2 diss - mass cr 451.8 - 455.5 diss cr 465.0 - 468.6 diss cr 501.0 - 504.0 interm - semi mass cr 504.0 - 535.6: massive cr
NOT-08-1G63	426	4200	5842509	547105	155	-50	567	no significant cr mineralization
NOT-08-1G64	287	4925	5842370	546830	155	-70	636	504.0 -509.0: interm cr 509.0 - 537.2: massive cr 537.2 - 540.3: interm cr
NOT-08-1G65	287	4925	5842370	546830	155	-50	417	123.3 – 133.6: interm cr 189.0 -234.2: interm cr 362.6 – 398.5: interm cr 438.2 - 438.4: massive cr
NOT-08-1G66	340	4430	5842595	547275	155	-60	519	no significant cr mineralization
NOT-08-1G67	340	4430	5842595	547275	155	-45		no significant cr mineralization
NOT-08-1G68	390	4330	5842559	547182	155	-50	429	no significant cr mineralization
NOT-08–1G69			5842330	546740	155	-50	690	156.4-159.2: massive cr 160.7-168.5 massive cr 168.5-226.5: dissem cr 261-267: diss to massive cr 267-280: diss cr 280-378.5: diss - massive cr 418-422: semi massive cr 609.14-611.8 : massive cr
NOT-08-1G70			5842245	546555	155	-50	underway	140.0 - 145.5: semi-massive - mass cr
								146.1 - 149.7: interm cr beds
								161.9 - 162.2: mass - semi mass cr
								220.1 - 221.5: interm cr layers
								226.5 - 241.5 interm cr layers
								261.4 - 265.4: interm cr layers
								337.5 - 342.0: interm cr layers

INDEPENDENT QUALITY CONTROL AND ANALYTICAL PROTOCOL

A thorough quality control program has been in effect for the Double Eagle project which includes grouping samples into batches of 35 into which are added 2 certified reference material standards, 2 field blanks comprised of sterile drill core, and a field duplicate. Coarse reject and pulp duplicates also form part of the QC program. Approximately 10% of the samples are sent to a secondary lab as a monitor on the principal lab. It can be said with confidence that all assays as reported in this Press Release have passed the strict quality control guidelines as set out by Noront's independent Qualified Person ("IQP").

All samples reported upon herein were completed by Activation Labs (Actlabs) of Ancaster, Ontario. The samples submitted to Actlabs were analyzed for multi-elements, including Ni and Cu using a four acid digest followed by ICP analysis. The samples that received base metal values greater than the upper limit for the method underwent further analysis using ICP-OES. For the Au, Pd and Pt, the assay methodology was Fire Assay on a 30 gram aliquot with an ICP finish. Silver was analyzed using a 3-acid digest with an ICP analysis. For final chrome analysis, on the samples where elemental chrome using the ICPOES multi-element analysis methodology provides greater than 1% Cr, the samples are then submitted for additional analysis using INAA that involves irradiating the samples prior to final analysis. This methodology provides analysis in percent for elemental Cr as well as Cr2O3 and elemental Fe. For more information on assay methodology please visit the Activation Laboratories Ltd. Website at **http://www.actlabsint.com.**

DELAYS IN REPORTING FINAL CHROME ASSAYS

Due to the high number of samples that are being submitted for INAA analysis and the dependency on a research reactor located at MacMaster University in Hamilton Ontario, Canada, there is currently a large backlog of samples awaiting final analysis. Actlabs assures Noront that they are working their way through the backlog as quickly as they can.

Drilling results in this press release have been reviewed in the field and approved for dissemination by Noront's senior management including John Harvey, P.Eng. Chief Operating Officer of Noront and Dr. Jim Mungall P.Geo., Noront's new Chief Geologist, both being Qualified Persons under Canadian Securities guidelines.

Noront is a tier 2 junior resource company on the TSX Venture Exchange, trading symbol NOT, with 129,824,783 shares issued to date.

Investors are invited to visit Noront's IR Hub at http://www.agoracom.com/IR/Noront where they can post questions and receive answers or review questions and answers already posted by other investors. Alternatively, investors are able to e-mail all questions and correspondence to NOT@agoracom.com where they can also request to be added to the investor e-mail list to receive all future press releases and updated in real time.

For Further information please contact Neil Novak P.Geo., at (416) 864 1456 or visit Noront's website at:
http://www.norontresources.com

ON BEHALF OF THE BOARD OF DIRECTORS:

"R. Nemis"
President and Chief Executive Officer

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.

This press release includes certain "Forward-Looking Statements" within the meaning of the US Private Securities Reform Act of 1995. Other than statements of historical fact, all statements are "Forward-Looking Statements" that involve such various known and unknown risks, uncertainties and other factors. There can be no assurance that such statements will prove accurate. Results and future events could differ materially from those anticipated in such statements. Readers of this press release are cautioned not to place undue reliance on these "Forward-Looking Statements".

Investors are invited to visit Noront's IR Hub at www.agoracom.com/IR/Noront where they can post questions and receive answers or review questions and answers by other investors. Alternatively, you can email questions to NOT@agoracom.com and also request to be added to the investor email list to receive all future press releases and updates in real time.

ON BEHALF OF THE BOARD OF DIRECTORS:

"R. Nemis"

President and Chief Executive Officer

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