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NORONT ANNOUNCES ADDITIONAL CHROMITE RESULTS (BLACKBIRD ONE) AND SECOND CHROME OCCURRENCE ENCOUNTERED (BLACKBIRD TWO)

TORONTO, ONTARIO July 30, 2008, Noront Resources Ltd. ("Noront") (TSX Venture: NOT) wishes to present the following update on its chromium exploration activities in the McFaulds Lake area of northern Ontario in the James Bay Lowlands. One drill at the AT2 site continues to test the Blackbird One and Eagle Two occurrences at approximately 50 meter centers to further define the extent of these targets. Meanwhile, the second drill, previously assigned to AT2 has completed the first hole on a gravity anomaly located approximately 800 meters to the east of Blackbird One and south of the Eagle One magmatic massive sulphide ("MMS") deposit. Noront is pleased to further announce that bands of massive chromite on this new anomaly have been encountered in two drill holes; assays are pending.

EXPLORATION HIGHLIGHTS

1) **Assay results received from four holes (see Table 1) from Blackbird One returned wide widths of significant grade chromite mineralization the best of which averaged 47.8 meters from 365.2 meters onward, averaging 51.1% Cr203 containing 34.9% Cr and 17.1% Fe.**
2) **New drilling 800 meters to the east of Blackbird One has encountered bands of visual, massive chromite mineralization in hole NOT-08-1G57 and NOT-08-1G59**.

Noront has a system of naming new mineral occurrences when they reach a certain level of continuity, size and tenure of mineralization. Nickel, copper occurrences are assigned the name "Eagle". Chromite deposits are assigned the name "Blackbird". The number assigned to each occurrence type is indicative of the order of discovery.

Richard Nemis, President and CEO of Noront states:

> "Our successful exploration efforts in the Ring of Fire, have brought Noront forward as one of the most successful exploration groups in North America. We are currently evaluating several mineral occurrences in the area including: The Eagle One Nickel-copper-platinum and palladium deposit that has indicated an encouraging resource warranting further assessment.. The Eagle Two Nickel-copper shear hosted sulphide ("SHS") occurrence has been drill traced beyond 700 meters vertical depth and the Blackbird One chrome occurrence which is considered to be a separate deposit to the Eagle Two deposit is being drill delineated as a prelude to resource definition.
>
> Our exploration team advises that massive chrome has been encountered nearly one kilometer away from Blackbird One. Drilling at this new anomaly, which we have designated as "Blackbird Two" is proceeding and will likely become a delineation drilling program. Our results, together with the recently announced base metal discovery by WSR and Metalex to the north, attest to the vast potential of the Ring of Fire. Noront is working with the various First Nation communities in the area, to employ their people and generate initiatives and business opportunities that have arisen from the increased exploration activity in the area. These projects if ultimately developed, could have a significant positive effect on the economy in Northern Ontario."

The drilling program on our Double Eagle Project continues, with two drills continuing to explore the AT2 airborne anomaly and its possible eastern extension. As announced earlier (May 27, 2008) at AT2, a layered chromite ("LC") occurrence in a peridotite intrusive geological environment was encountered. This occurrence is now referred to as "Blackbird One" so as to distinguish this site from the nearby Eagle Two "SHS" occurrence. While the "LC" mineralization parallels the "SHS" occurrence approximately 50 meters lower in depth, stratigraphically, it overlies the "SHS" mineralization believed to have been formed earlier during the progressive accumulation of the peridotite sill host rock that is now lying overturned.

BLACKBIRD ONE OCCURRENCE (AT2 Anomaly)

The "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 meters, down to a vertical depth of 500 meters over wide core widths with favorable high Cr/Fe ratios. Blackbird One is open along strike to the north.

TABLE 1: Blackbird One Recently received significant Assay results

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-08-1G20	234.0	246.4	12.4	0.01	0.14	0.07	0.11	0.01	0.19	10.2	7.0	10.7
Followed by	246.4	285.7	39.3	0.02	0.16	0.12	0.18	0.06	0.36	31.6	21.6	16.0
Including	246.4	264.0	17.6	0.01	0.16	0.12	0.19	0.02	0.33	28.2	19.3	15.9
Also including	264.0	285.7	21.7	0.03	0.16	0.12	0.17	0.09	0.38	34.4	23.5	16.0
NOT-08-1G25	374.1	416.7	43.6	0.00	0.17	0.11	0.20	0.02	0.39	24.9	17.1	13.9
Including	387.0	416.4	29.4	0.00	0.01	0.13	0.22	0.03	0.38	29.3	20.0	15.2
NOT-08-1G24	310.7	368.2	57.5	0.00	0.13	0.13	0.14	0.02	0.29	40.4	27.5	15.8
Including	324.0	364.5	40.5	0.00	0.14	0.13	0.13	0.01	0.27	42.3	28.9	15.8
NOT-08-1G28	355.5	425.1	69.6	0.01	0.16	0.15	0.11	0.03	0.29	39.6	27.1	14.9
Including	365.2	413.0	47.8	0.01	0.15	0.17	0.14	0.03	0.34	51.1	34.9	17.1

Due to the limited number of drill hole and assay results, true widths are not yet determined for the chromite zones at Blackbird One.

Assays are pending for the drill holes recently summarized in Table 2 and Table 3 below and recently completed at the AT2 Anomaly site from the Blackbird One occurrence. Notwithstanding the foregoing, visual observations are estimates only and pending assay results may not confirm visual observations in whole or in part.

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

Hole ID	Northing Local (m)	Easting Local (m)	Northing UTM (m)	Easting UTM (m)	Azimuth (degrees)	Dip (degrees)	Length (m)	Mineralization **(meters)**
NOT-08-1G42	850	3140	5842062	546000	0	-90	459.7	No chromite observed
NOT-08-1G43	875	3160	5842100	546050	0	-90	630	444.2-481.3 (chromite beds)
								482.4-496.3 (massive chromite)
NOT-08-1G45	920	3050	5842062	545900	0	-90	357	Lost hole
NOT-08-1G47	827	3300	5842137	546150	0	-90	669	549.1-554.9 (chromite beds)
NOT-08-1G48	867	3225	5842137	546959	0	-90	15	Abandoned
NOT-08-1G49	867	3225	5842137	546050	0	-90	248	No significant mineralization
NOT-08-1G51	947	3085	5842100	545900	0	-90	645	No chromite observed
NOT-08-1G52	867	3225	5842137	546050	0	-90	708	578.5-579.5 (chromite bed)

Blackbird Two (Gravity Anomaly)

This new chromite occurrence resulted from the drill testing of a gravity anomaly extending eastwards from the Blackbird One occurrence at the AT2 airborne anomaly site. Two holes have been completed along local grid line 4000 East. The two holes scissored one another to confirm dip orientation. Three parallel bands of chromite mineralization were found to extend beneath the gravity anomaly, dipping approx 65 degrees to the northwest within a Periodotite Sill (Ring of Fire) striking northeast. Further drilling of this anomaly will be carried out southeasterly towards the Blackbird One occurrence along the gravity anomaly trend.

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

Hole ID	Northing Local (m)	Easting Local (m)	Northing UTM (m)	Easting UTM (m)	Azimuth (degrees)	Dip (degrees)	Length (m)	Mineralization (meters)
NOT-08-1G57	280	4000	5842238	547024	315	-50	418.3	152.5-170.4 semi-massive to massive chromite 173.3 -188.5 disseminated to massive chromite 362.5-417.7 intermittent chromite layers, disseminated to massive
NOT-08-1G59	5.00	4000	5842340	546895	105	-50	395.0	127.6-129.6 diss. chromite 175.6 – 177.1 disseminated to massive chromite 273.0-283.2 massive chromite 292.5-294.2 massive chromite

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, 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

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.

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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".