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**NORONT ANNOUNCES  
INITIAL NICKEL-PGE RESULTS AT ANOMALY AT12  
PROVIDES UPDATE ON OTHER DOUBLE EAGLE DRILLING PROJECTS**

TORONTO, ONTARIO September 15, 2008, Noront Resources Ltd. ("Noront") (TSX Venture: NOT) wishes to present the following update on its exploration activities in the McFaulds Lake area of northern Ontario in the James Bay Lowlands.

**EXPLORATION HIGHLIGHTS**

- 1) The first assay results from Hole NOT-08-2G1 at anomaly AT12 include the intersection of three zones of nickel mineralization including 0.89% Ni, 0.35% Cu and 1.36 g/t Pd over 6 meters. Drilling continues on this anomaly.
- 2) Latest drilling at Eagle Two continued to probe deeper and delineate copper-nickel mineralization in a shear hosted sulphide setting (Eagle Two SHS Occurrence) now delineated down to a vertical depth of 400 meters along a strike length of 150 meters. Hole NOT-08-1G32 encountered 2.86% Ni, 0.56% Cu, and 0.15 g/t Pd over 3.6 meters.

The anomaly drilling program on our Double Eagle Project continues with one drill testing the chrome potential of Blackbird Two, located approximately 1 kilometre east of Blackbird One (chrome component of AT2 anomaly). A second drill continues to test anomaly AT12, while the third drill has been moved to continue the depth and strike extension potential south of the Eagle One Magmatic Massive Sulphide Deposit. Recall that the AT2 airborne anomaly consists of copper-nickel sulphide mineralization in a Shear Hosted Sulphide ("SHS") environment referred to as "**Eagle Two**", as well as layered chromite mineralization in a peridotite intrusive geological environment, referred to as "**Blackbird One**" so as to distinguish this site from the Eagle Two deposit. Information on the Blackbird One chrome occurrence as well as other news related to the chrome potential of the area as encountered at Blackbird Two will be the subject of a separate release to be issued soon.

A fourth drill has recently been mobilized into the Ring of Fire area and is currently working on the Seafield Option property located approximately 65 kilometres to the north of the Eagle One Deposit. Seafield Resources Ltd. is earning in on this property from Noront. Noront is operator during the initial earn-in period. Other option properties are being readied for initial diamond drill programs to test airborne identified geophysical anomalies that have been upgraded to drill targets as a result of ground geophysical surveys and geological review, all within the geophysically interpreted northerly extension of the Ring of Fire Intrusive ("ROF").

The current drilling program at Eagle One South is designed to test for additional resources along strike and to depth towards the south. This program will also include additional infill drilling as needed for resource upgrading purposes. As previously announced (see press release dated July 4, 2008) the Eagle One Deposit currently hosts an indicated resource of 1.83 million tonnes averaging 1.96% nickel, 1.18% copper, 1.12 g/t Pt, 3.91 g/t Pd, as well as an inferred resource of 1.09 million tonnes averaging 2.39% nickel, 1.27% copper, 1.37 g/t Pt and 4.5 g/t Pd.

**AT12 Anomaly**

The AT12 airborne anomaly is located approximately 9.5 kilometres northeast of the Eagle One Deposit. Drill testing initially focused on the north end of this long, northeast-southwesterly striking strong coincident magnetic and conductive target. Eight drill holes have explored this target (the ninth is underway), however only six were completed due to problems encountered while trying to penetrate the very thick and unpredictable overburden in this particular area. The other two holes were lost in overburden. The attached table provides details of this drilling as well as observed visual mineralization where applicable. Assays for these listed holes are pending, and these results are based on visual observations only. Visual observations are estimates only and pending assay results may not confirm visual observations in whole or in part.

Location of Anomaly AT12 Drill Holes and Visually Observed Mineralization

| Hole ID       | Easting UTM (m) | Northing UTM (m) | Azimuth | Dip | Length (m) | Mineralization (observed)                                |
|---------------|-----------------|------------------|---------|-----|------------|--|
| NOT-08-2G1    | 553772          | 5850735          | 295     | -50 | 240        | 95.85 - 99.58 semi-massive po, pn, cpy                   |
|               |                 |                  |         |     |            | 99.58 - 122.84 disseminated sulphides                    |
|               |                 |                  |         |     |            | 122.84 - 129.5 intermittent diss - semi mass po, pn, cpy |
|               |                 |                  |         |     |            | 139.5 - 169.0 minor sulphides                            |
| NOT-08-2G2    | 553772          | 5850735          | 295     | -70 | 306        | 147.0 - 213.0 disseminated sulphides                     |
|               |                 |                  |         |     |            | 213.0 - 242.2 intermittent diss - semi mass po, pn, cpy  |
| NOT-08-2G3    | 553829          | 5850592          | 295     | -50 | 324        | no significant mineralization                            |
| NOT-08-2G4    | 553829          | 5850592          | 295     | -70 | 402        | no significant mineralization                            |
| NOT-08-2G5    | 553930          | 5850782          | 295     | -65 | 37.5       | no core recovered  |
| NOT-08-2G5A/B | 553930          | 5850782          | 295     | -65 | 36         | no core recovered  |
| NOT-08-2G5C   | 553930          | 5850782          | 295     | -65 | 44         | no core recovered  |
| NOT-08-2G5D   | 553930          | 5850782          | 295     | -65 | 33         | no core recovered  |
| NOT-08-2G6    | 553632          | 5850913          | 115     | -50 | 39         | no core recovered  |
| NOT-08-2G6A   | 553632          | 5850913          | 115     | -50 | 27         | no core recovered  |
| NOT-08-2G7    | 553772          | 5850735          | 335     | -50 | 297        | no significant mineralization                            |
| NOT-08-2G8    | 553978          | 5850640          | 295     | -50 | 441        | no significant mineralization                            |
| NOT-08-2G9    | 5530990         | 5850520          | 295     | -45 | current    |  |

The widths contained in the above table are not true widths as insufficient drilling has been completed on this occurrence to determine true widths.

**Recently received assays from AT12**

Assay results have recently been received for hole NOT-08-1G1. Three separate zones of nickel mineralization were encountered, along with minor copper as well as palladium. The following table presents the results received from anomaly AT12 thus far. This mineralization is hosted by an altered peridotite. One short section of massive sulfide (0.16 meters) starting at 125.4 metre core length averaged 6.37% Ni, 3.53% Cu, 0.12g/t Pt and 13.3 g/t Pd. Drilling continues at this anomaly.

| Hole ID    | From  | To    | Interval | Nickel | Copper | Palladium |
|------------|-------|-------|----------|--------|--------|-----------|
|            | (m)   | (m)   | (m)      | %      | %      | g/t       |
| NOT-08-2G1 | 97.0  | 105.0 | 8.0      | 0.66   | 0.05   | na        |
|            | 121.5 | 127.5 | 6.0      | 0.89   | 0.35   | 1.36      |
|            | 136.5 | 139.5 | 3.0      | 0.81   | 0.34   | 0.7       |

**EAGLE TWO Ni-Cu OCCURRENCE**

Complete assays from the only two holes at Eagle Two that have been received since the last press release (July 17, 2008) are described below. The current drilling has continued to extend the mineralization containing visible copper-nickel sulphides to a vertical depth of 400 meters. The Eagle Two occurrence occupies a position conformable with and near the stratigraphic bottom of a wide Peridotite Sill which in turn unconformably overlies older Granodiorite basement rock. Assays are pending for the remaining holes. The interpretation of the new holes at Eagle Two confirms that the SHS zone continues to dip flatly at 50 to 60 degrees to the west and strikes north-south within the Peridotite sill or the "ROF".

## Summary of Recent Drilling (since last press release, assays pending)

| Hole ID     | Northing Local<br>(m) | Easting Local<br>(m) | Northing UTM<br>(m) | Easting UTM<br>(m) | azimuth<br>degrees | dip<br>degrees | Length<br>(m) | Observed Mineralization   |
|-------------|-----------------------|----------------------|---------------------|--------------------|--------------------|----------------|---------------|---|
| NOT-08-1G55 | 1025                  | 3175                 | 5842212             | 545900             | 0                  | -90            | 648           | No significant mineralization   |
| NOT-08-1G56 | 1115                  | 3250                 | 5842325             | 545900             | 0                  | -90            | 867           | 156.4 - 161.9 minor py<br>163.4 - 170.9 minor py<br>174.3 - 178.2 minor py  |
| NOT-08-1G58 | 750                   | 3245                 | 5842060             | 546150             | 0                  | -90            | 546           | 189.8 - 202.2 diss po, cp, pn<br>248.5 - 250.7 short mass chrome beds<br>296.7 - 299.4 short mass chrome beds<br>330.5 - 371.2 several narrow mass chrome beds                        |
| NOT-08-1G60 | 2100                  | 6200                 | 5842100             | 546200             | 0                  | -90            | 454.5         | 370.0 - 373.8 veinlets cp, po, tr, pn.<br>379.0 - 382.3 veinlets cp, po, pn, semi-mass.<br>382.3 - 387.3 diss po, cp, pn  |
| NOT-08-1G62 | 2137.5                | 6250                 | 5842137.5           | 546250             | 0                  | -90            | 804.6         | 441.8 - 442.2 diss po, cp<br>705.0 - 713.0 diss - semi mass chrome<br>713.8 - 714.3 diss po, cp, pn<br>722.9 - 726.0 diss - semi mass chrome<br>734.0 - 736.0 mass - semi mass chrome |

Due to the limited number of drill hole and assay results, true widths are not yet determined for the Eagle Two Deposit. Visual observations are estimates only and pending assay results may not confirm visual observations in whole or in part.

### Recently received Significant Assay Results (Eagle Two)

Assay results have recently been received for two holes that were drilled to test for nickel – copper mineralization at the Eagle Two shear hosted sulphide deposit. These holes continue to confirm the depth and size potential of this deposit. (Please note that the chrome potential for the Eagle Two Deposit is not presented here; it will be the subject of a separate release pertaining to Blackbird One.)

| Hole ID     | From<br>(m)    | To<br>(m) | Interval<br>(m) | Nickel<br>% | Copper<br>% | Palladium<br>g/t |
|-------------|----------------|-----------|-----------------|-------------|-------------|------------------|
| NOT-08-1G32 | 289.5          | 301.5     | 12.0            | 1.17        | 0.38        | 0.11             |
| including   | 297.0          | 300.6     | 3.6             | 2.86        | 0.56        | 0.15             |
| NOT-08-1G35 | 382.0          | 387.0     | 5.0             | 1.52        | 0.23        | 0.18             |
| NOT-08-1G36 | hole abandoned |           |                 |             |             |                  |
| NOT-08-1G37 | hole abandoned |           |                 |             |             |                  |

Drilling has concluded at present at Anomaly AT2. One drill continues to test the nearby Blackbird Two chrome occurrence, while the other drill that was assigned to this deposit has been moved to the Eagle One south extension. Once all assays are in, an initial resource estimate for Eagle Two will be initiated.

## Other Anomaly Drilling Programs

Ground geophysical surveying is well underway at the Double Eagle project Grid 2 area, as well as other areas. Linecutting, followed by ground geophysics has commenced for the numerous options to joint venture properties that are operated by Noront around the Ring of Fire. Since January 2008, Noront staked many additional claims and continues to acquire additional land by staking and joint venture. All areas are being surveyed by Geotech Ltd's new deep penetrating airborne Time-Domain Electromagnetic ("VTEM") system over the next few months. This new helicopter mounted system has demonstrable and acceptable conductance discrimination for high conductance targets by using a low frequency (30 Hz), long on-pulse and derived B-Field. Noront has amassed over 48,600 hectares of prospective ground and is in joint venture with several other resource companies on approximately 68,000 hectares. Collectively, Noront holds interest in approximately 116,800 hectares or 1,166 square kilometers of staked land within what management believes is the most favorable exploration area. A third drill has commenced on the Double Eagle Project to test airborne anomalies, all of which have undergone further ground geophysical surveying including AT-5, AT-6, AT-7 (all on Grid One) and AT12 (first anomaly on Grid 2) all east and north of the Eagle One Deposit. Previous drilling to initially test some of these anomalies has been previously reported (July 17, 2008).

### AT3 Anomaly

As reported earlier (May 27, 2008) a total of 2,621 meters were drilled in eight holes testing airborne anomaly AT3 located 4 kilometers to the southwest of Eagle One, or two kilometers west of Eagle Two. Whereas at the time of the last press release dated July 17, 2008 results from holes NOT-08-1G26 were still pending, these results have recently been received. Only anomalous (0.15 to 0.24 %) nickel values were received from this hole. No further work is currently planned at this anomaly.

### AT4 Anomaly

As reported May 27, 2008, a total of 951 meters in three holes were completed to test airborne anomaly AT4 and its southwestern extension, located 5.5 kilometers southwest of Eagle One. Two of these holes encountered volcanogenic massive sulphide ("VMS") style mineralization in intermediate to felsic volcanic assemblages and the third hole was lost. The holes returned several large widths of barren sulphide mineralization in favorable volcanic rocks unconformably overlying the ROF intrusive. Assays received from the two holes returned interesting gold values, highlighted by NOT -1G34 that encountered 11.1 g/t gold over 1.0 meters. Minor amounts of copper were also encountered by both holes. Additional review of the existing geophysical data will be undertaken on this anomaly.

Recently received assay results (AT4)

| Hole ID     | From      | To    | Interval | Copper | Gold | Silver |
|-------------|-----------|-------|----------|--------|------|--------|
|             | (m)       | (m)   | (m)      | %      | g/t  | g/t    |
| NOT-08-1G30 | 394.7     | 395.4 | 0.7      | 0.14   | 9.0  | 3.9    |
| NOT-08-1G33 | abandoned |       |          |        |      |        |
| NOT-08-1G34 | 82.5      | 83.5  | 1.0      | 0.24   | 11.1 | 1.4    |

## INDEPENDENT QUALITY CONTROL AND ANALYTICAL PROTOCOL

A thorough quality control program is in effect for the Double Eagle project which, has included grouping samples into batches of 35 into each of which were 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 each batch. 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 Independent Qualified Person ("IQP") Ms. Tracy Armstrong P.Geol. of P&E Mining Consultants Inc.

All samples reported upon herein were completed by Activation Labs (Actlabs) of Ancaster, Ontario. The samples submitted to Actlabs were analyzed using four acid digestion followed by ICP multi-element analysis. The Cu and Ni samples that received values greater than the maximum limit using the multi-element analysis underwent further analysis using ICP-OES. For precious metals the assay methodology was Fire Assay/ICP. For more information on assay methodology please visit the Activation Laboratories Ltd. Website at <http://www.actlabs.int.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 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 129,493,883 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](mailto: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.**

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