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# NULLAGINE IRON ORE PROJECT – EXCELLENT RESULTS FROM ROCK CHIP SAMPLING AND DRILLING UPDATE

### **HIGHLIGHTS**

- Rock chip sampling from the Shaw River and Bonnie Creek returns excellent results
- Significant assays include:

10 samples over 3.5 km @ 58.9% Fe

13 samples over 5 km @ 57.7% Fe

- In-fill & reconnaissance drilling underway
- Initial Inferred Resource estimate for Outcamp and Coongan Well scheduled for March Quarter 2008

BC Iron Limited (ASX: **BCI**) is pleased to advise that it has received excellent results from an extensive program of rock chip sampling of the **Shaw River Palaeochannel**, part of its **Nullagine Iron Ore Project** in Western Australia's Pilbara region.

The results confirm the potential for Shaw River to host Channel Iron Deposits (CID) in addition to those already established Outcamp Well and Coongan Well Prospects.

Shaw River is one of three palaeochannel systems at the Company's Nullagine Project which is located close to Fortescue Metal Group's Cloud Break and Christmas Creek operations. Drilling to date has discovered several Channel Iron Deposits (CID) with the potential to produce direct shipping iron ore (DSO).

To date, only the Bonnie Creek and Nullagine River palaeochannels have been drilled as cyclonic activity during March 2007 caused unavoidable delays in obtaining Heritage approvals for drilling at Shaw River.

During September, rock chip sampling was carried over several CID outcrops at Shaw River. Only outcrops which are accessible by foot have been sampled. Several of the outcrops form vertically walled mesas which are only accessible by helicopter and therefore were not sampled during the programme. Systematic, non-random sampling was carried out over five prospects at Shaw River (Figure 1) totalling 51 samples over 17 km of channel length. A further 5 samples over 2 km were collected at Warrigal Well, east of Outcamp Well on Bonnie Creek (Figure 2).

The results are very encouraging with 39 samples returning assays of over 57% Fe with low contaminants.

The results are summarised below in Table 1 and a full list of results is shown in Table 2.

Table 1. Summary of Rock Chip Sampling, Nullagine Project

| Prospect                        | Length<br>(km) | Number | Fe % | CaFe% | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | Р%   | S%   | LOI% |  |
|---------------------------------|----------------|--------|------|-------|--------------------|----------------------------------|------|------|------|--|
| Shaw River Palaeochannels CID   |                |        |      |       |                    |                                  |      |      |      |  |
| Gap Well                        | 5.5            | 12     | 52.3 | 59.1  | 8.6                | 4.5                              | 0.02 | 0.05 | 11.3 |  |
| (including)                     | 2.0            | 5      | 57.3 | 64.5  | 4.0                | 2.1                              | 0.02 | 0.06 | 11.3 |  |
| Nymerinna                       | 1.8            | 5      | 59.3 | 65.8  | 3.1                | 1.7                              | 0.03 | 0.07 | 9.8  |  |
| Kelly Ann                       | 1.6            | 11     | 57.3 | 62.7  | 4.6                | 4.0                              | 0.03 | 0.10 | 8.6  |  |
| Emu Springs                     | 5.0            | 13     | 57.7 | 63.7  | 3.8                | 3.4                              | 0.03 | 0.06 | 9.5  |  |
| Bamboo                          | 3.5            | 10     | 58.9 | 65.9  | 2.6                | 1.7                              | 0.02 | 0.06 | 10.7 |  |
| Bonnie Creek Palaeochannels CID |                |        |      |       |                    |                                  |      |      |      |  |
| Warrigal                        | 2.0            | 5      | 58.9 | 66.1  | 2.8                | 1.3                              | 0.04 | 0.05 | 11.0 |  |

# **Drilling Update**

Reverse Circulation (RC) drilling recommenced at the Nullagine Project during September with approximately 63 holes for 1,943 m drilled so far at Outcamp Well, Coongan Well and Warrigal Well. Another 3,500 m of drilling is to be completed by the end of December to complete the comprehensive regional coverage of all prospective palaeochannels at the Nullagine Project.

The infill drilling at Outcamp and Coongan Well Prospects is expected to provide the required data for an Inferred Resource estimate which will be completed during the March Quarter of 2008.

## **Corporate Road Show - London**

During September, the Company's Managing Director, Mike Young, visited several institutional investors in London to raise the profile of BC Iron to overseas investors. The Company has received a very positive response from investors to this institutional roadshow.

The presentation is available at www.bciron.com.au.

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Table 2. Results of rock chip sampling, Nullagine Project

| Prospect                 | N_GDA     | E_GDA   | Fe % | CaFe% | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | P %  | S %  | LOI % |
|--------------------------|-----------|---------|------|-------|--------------------|----------------------------------|------|------|-------|
| Shaw River Palaeochannel |           |         |      |       |                    |                                  |      |      |       |
| Gap Well                 | 7,555,551 | 764,276 | 47.9 | 54.4  | 9.8                | 9.0                              | 0.02 | 0.06 | 12.1  |
| Gap Well                 | 7,555,938 | 764,281 | 45.3 | 51.2  | 13.7               | 8.8                              | 0.02 | 0.04 | 11.5  |
| Gap Well                 | 7,555,140 | 763,916 | 54.1 | 61.8  | 4.4                | 4.8                              | 0.01 | 0.04 | 12.6  |
| Gap Well                 | 7,554,770 | 763,636 | 38.0 | 41.2  | 34.4               | 2.3                              | 0.01 | 0.05 | 7.6   |
| Gap Well                 | 7,554,314 | 763,423 | 51.0 | 58.3  | 7.8                | 6.1                              | 0.02 | 0.07 | 12.5  |
| Gap Well                 | 7,553,711 | 763,420 | 52.1 | 59.1  | 6.2                | 6.6                              | 0.02 | 0.03 | 11.9  |
| Gap Well                 | 7,553,302 | 763,283 | 52.9 | 59.9  | 6.4                | 5.5                              | 0.03 | 0.03 | 11.7  |
| Gap Well                 | 7,552,823 | 763,333 | 59.1 | 66.4  | 2.5                | 1.4                              | 0.01 | 0.04 | 11.1  |
| Gap Well                 | 7,552,384 | 763,124 | 54.3 | 61.8  | 5.8                | 3.7                              | 0.02 | 0.05 | 12.1  |
| Gap Well                 | 7,551,904 | 763,068 | 57.5 | 65.8  | 3.4                | 1.1                              | 0.03 | 0.10 | 12.6  |
| Gap Well                 | 7,551,332 | 763,370 | 57.8 | 63.6  | 3.9                | 3.6                              | 0.03 | 0.05 | 9.2   |
| Gap Well                 | 7,550,889 | 763,189 | 57.8 | 65.1  | 4.5                | 1.0                              | 0.03 | 0.05 | 11.2  |
| Nymerinna                | 7,545,368 | 760,189 | 58.7 | 65.8  | 3.1                | 1.7                              | 0.02 | 0.06 | 10.8  |
| Nymerinna                | 7,545,778 | 760,468 | 60.2 | 66.2  | 3.9                | 0.8                              | 0.02 | 0.07 | 9.0   |
| Nymerinna                | 7,546,096 | 760,640 | 58.9 | 66.4  | 2.5                | 1.3                              | 0.03 | 0.12 | 11.2  |
| Nymerinna                | 7,546,478 | 760,932 | 59.0 | 65.8  | 3.0                | 1.7                              | 0.02 | 0.05 | 10.4  |
| Nymerinna                | 7,546,875 | 761,205 | 59.7 | 64.7  | 3.2                | 2.8                              | 0.03 | 0.05 | 7.6   |
| Kelly Ann                | 7,540,149 | 759,361 | 50.9 | 56.4  | 7.7                | 9.2                              | 0.01 | 0.08 | 9.7   |
| Kelly Ann                | 7,539,894 | 759,640 | 55.6 | 60.6  | 5.6                | 5.5                              | 0.03 | 0.10 | 8.3   |
| Kelly Ann                | 7,539,875 | 757,763 | 58.4 | 63.1  | 5.4                | 2.6                              | 0.04 | 0.10 | 7.5   |
| Kelly Ann                | 7,540,029 | 757,982 | 57.7 | 62.6  | 4.2                | 4.3                              | 0.03 | 0.11 | 7.8   |
| Kelly Ann                | 7,540,048 | 757,861 | 58.6 | 64.3  | 3.8                | 2.4                              | 0.03 | 0.11 | 8.9   |
| Kelly Ann                | 7,539,410 | 757,666 | 58.9 | 63.2  | 4.4                | 3.9                              | 0.04 | 0.08 | 6.7   |
| Kelly Ann                | 7,539,360 | 757,477 | 57.0 | 63.5  | 4.4                | 3.1                              | 0.04 | 0.10 | 10.3  |
| Kelly Ann                | 7,539,333 | 757,350 | 57.9 | 63.4  | 4.4                | 3.9                              | 0.03 | 0.09 | 8.7   |
| Kelly Ann                | 7,541,347 | 757,869 | 57.9 | 64.3  | 3.7                | 2.9                              | 0.02 | 0.10 | 10.0  |
| Kelly Ann                | 7,541,054 | 757,747 | 59.4 | 64.3  | 3.3                | 3.8                              | 0.03 | 0.17 | 7.6   |
| Kelly Ann                | 7,540,722 | 757,921 | 58.1 | 64.3  | 3.8                | 2.7                              | 0.03 | 0.07 | 9.6   |
| Emu Spr.                 | 7,541,597 | 776,820 | 60.0 | 66.0  | 3.3                | 1.3                              | 0.02 | 0.04 | 9.1   |
| Emu Spr.                 | 7,541,861 | 777,267 | 56.0 | 64.1  | 3.0                | 3.4                              | 0.02 | 0.11 | 12.7  |
| Emu Spr.                 | 7,542,302 | 777,458 | 57.6 | 64.4  | 4.0                | 2.3                              | 0.02 | 0.06 | 10.5  |
| Emu Spr.                 | 7,542,624 | 777,474 | 57.7 | 64.4  | 2.6                | 4.0                              | 0.02 | 0.05 | 10.4  |
| Emu Spr.                 | 7,542,975 | 777,289 | 56.4 | 63.9  | 3.1                | 3.9                              | 0.02 | 0.06 | 11.8  |
| Emu Spr.                 | 7,542,296 | 777,948 | 55.7 | 63.1  | 3.7                | 4.2                              | 0.02 | 0.07 | 11.8  |
| Emu Spr.                 | 7,542,209 | 778,517 | 58.8 | 63.0  | 5.3                | 2.8                              | 0.03 | 0.04 | 6.8   |
| Emu Spr.                 | 7,542,373 | 778,791 | 58.7 | 65.3  | 3.3                | 1.8                              | 0.03 | 0.06 | 10.1  |
| Emu Spr.                 | 7,542,276 | 779,215 | 55.6 | 61.7  | 5.3                | 4.5                              | 0.05 | 0.05 | 9.9   |
| Emu Spr.                 | 7,542,389 | 779,625 | 56.6 | 61.7  | 3.7                | 5.3                              | 0.12 | 0.06 | 8.2   |
| Emu Spr.                 | 7,542,318 | 780,048 | 58.6 | 61.5  | 4.6                | 5.6                              | 0.04 | 0.05 | 4.8   |
| Emu Spr.                 | 7,542,609 | 780,115 | 60.4 | 64.6  | 4.2                | 2.6                              | 0.03 | 0.04 | 6.4   |
| Emu Spr.                 | 7,542,681 | 780,325 | 57.5 | 64.4  | 3.8                | 2.5                              | 0.03 | 0.04 | 10.7  |
| Bamboo                   | 7,546,770 | 777,629 | 57.5 | 65.1  | 2.7                | 2.6                              | 0.03 | 0.10 | 11.7  |
| Bamboo                   | 7,547,114 | 777,693 | 58.6 | 66.3  | 2.5                | 1.5                              | 0.01 | 0.06 | 11.5  |

| Bamboo                     | 7,547,285 | 777,821 | 58.2 | 65.6 | 2.0 | 1.2 | 0.01 | 0.03 | 11.4 |
|----------------------------|-----------|---------|------|------|-----|-----|------|------|------|
| Bamboo                     | 7,547,462 | 777,578 | 60.6 | 67.6 | 2.2 | 0.5 | 0.01 | 0.03 | 10.3 |
| Bamboo                     | 7,547,728 | 777,145 | 56.7 | 64.4 | 3.2 | 3.2 | 0.03 | 0.04 | 11.9 |
| Bamboo                     | 7,547,904 | 776,935 | 59.3 | 66.0 | 3.1 | 1.1 | 0.02 | 0.11 | 10.2 |
| Bamboo                     | 7,548,176 | 776,639 | 59.0 | 65.8 | 3.3 | 1.6 | 0.03 | 0.08 | 10.4 |
| Bamboo                     | 7,548,607 | 776,406 | 58.9 | 65.6 | 2.3 | 2.7 | 0.03 | 0.05 | 10.2 |
| Bamboo                     | 7,548,678 | 776,070 | 59.8 | 66.4 | 2.9 | 1.4 | 0.03 | 0.07 | 9.9  |
| Bamboo                     | 7,549,096 | 776,440 | 60.1 | 66.4 | 2.2 | 1.6 | 0.02 | 0.09 | 9.6  |
| Bonnie Creek Palaeochannel |           |         |      |      |     |     |      |      |      |
| Warrigal                   | 7,561,701 | 806,430 | 57.7 | 65.1 | 3.2 | 1.9 | 0.03 | 0.09 | 11.5 |
| Warrigal                   | 7,561,804 | 806,900 | 59.4 | 66.3 | 2.9 | 1.1 | 0.04 | 0.08 | 10.5 |
| Warrigal                   | 7,562,024 | 807,307 | 59.2 | 66.6 | 2.6 | 1.0 | 0.02 | 0.03 | 11.1 |
| Warrigal                   | 7,562,452 | 807,564 | 59.2 | 66.5 | 2.8 | 1.0 | 0.03 | 0.04 | 11.0 |
| Warrigal                   | 7,562,922 | 807,742 | 58.8 | 66.0 | 2.7 | 1.7 | 0.06 | 0.03 | 11.0 |

#### Notes:

- Analyses conducted by Ultratrace Laboratories using X-Ray Fluorescence Spectrometry with Loss on Ignition (LOI) determined using Thermo-Gravimetric Analyses at 450°C, 650°C, and 1000°C (reported)
- 2). Calcined Fe (CaFe) calculated by the formula CaFe% = ( (Fe%) / (100 LOI1000) ) \* 100

#### **JORC Statement**

This release may include forward-looking statements. These forward-looking statements are based on management's expectations and beliefs concerning future events. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of BC Iron Limited, that could cause actual results to differ materially from such statements. BC Iron Limited makes no undertaking to subsequently update or revise the forward-looking statements made in this release to reflect events or circumstances after the date of this release.

It is common practice for a company to comment on and discuss its exploration in terms of target size and type. The information above relating to the exploration target should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. Hence the terms Resource(s) or Reserve(s) have not been used in this context. The potential quantity and grade is conceptual in nature, since there has been insufficient exploration to define a Mineral Resource. It is uncertain if further exploration will result in the determination of a Mineral Resource

The information that relates to Exploration Results is based on information compiled by Michael Young who is a Member of The Australian Institute of Geoscientists and a Director of the Company. Mr Young has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Young consents to the inclusion in his name of the matters based on their information in the form and context in which it appears.



