



NIAGARA
MINING LIMITED
ABN 60 060 525 206

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13 April 2006

Company Announcements Officer
Australian Stock Exchange Limited
Exchange Centre
Level 4, 20 Bridge Street
SYDNEY NSW 2000

www.asxonline.com

Dear Sir

**RE: NMD0001 PARENT HOLE COMPLETED – FURTHER NICKEL
SULPHIDES INTERSECTED**

We enclose herewith a copy of an announcement in relation to the above.

Yours faithfully

Douglas C. Daws
EXECUTIVE CHAIRMAN

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CORPORATE DIRECTORY

Director / Senior Management

Douglas Daws	Executive Chairman
Chris Daws	Chief Executive Officer
Bruno Sceresini	Non-Executive Director
Peter Landau	Non-Executive Director
Ross Kestel	Company Secretary

Corporate Enquiries

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Shareholder Enquiries

Enquiries concerning shareholdings should be addressed to:
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GPO Box D182, Perth WA 6840
Tel: 61 8 9323 2000

Registered Office

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9 Bowman Street
South Perth WA 6151
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Fax: 61 8 9367 8812

Principal Office

Unit 8, Level 1 Churchill Court
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Home Exchange

The Company's shares are listed
on the Australian Stock Exchange
and the home exchange is Perth
ASX code: NIA

Website Address

www.niagaramining.com.au



ASX Announcement

13 April 2006

Further High Tenor Nickel Sulphides Intersected NMD0001

Surface diamond drill hole NMD0001 has collectively intersected over 34 metres of high grade massive nickel sulphides, semi-massive and lower grade disseminated nickeliferous sulphides (see table 1 below {also includes previous results in ASX Announcement 24 March 2006} and attached cross section) at the completion of drilling at a down hole depth of 900 metres. The upper two intersections in Table 1 when combined with the intervening low-grade interval (7.8m at 0.66% Ni) form a total intersection from 668m to 696m of 28.0m at 2.83% Ni. The additional high grade interval includes a high tenor massive nickel sulphide intersection of 10.38% Ni from 733.0 metres to 733.59 metres down hole. The results reinforce the Company's knowledge and belief that the Mt Windarra mine area is a large sulphide system capable of hosting large zones of nickel sulphide mineralisation including zones of high tenor massive nickel sulphides which the Company is targeting with modern geophysical technology.

DHTEM surveying of NMD0001 will take place over the Easter period and is expected to be followed up by wedge holes as required into the zones of high grade massive nickel sulphides identified by DHTEM to determine the extent of the mineralisation.

Table 1. – Significant Assay Results NMD0001 (1% Ni cut-off)

From (m)	To (m)	Interval (m)	%Ni
668	678.32	10.32	1.41
686.16	695.98	9.82	6.06
	incl.	4.62	10.33
733	735.54	2.54	3.97
	incl.	0.59	10.68
794.4	806	11.6	1.32

Regional Exploration

The Company has begun site preparations for diamond drilling the "Poseidon" surface TEM target situated south of the Mt Windarra mine area. The target is indicative of massive sulphides at a depth of 150m below surface and due to its geological setting is considered highly prospective. The Company expects drilling to commence on this target next week and results will be released as/when they are received and collated by the Company with the assistance of its geological consultants.



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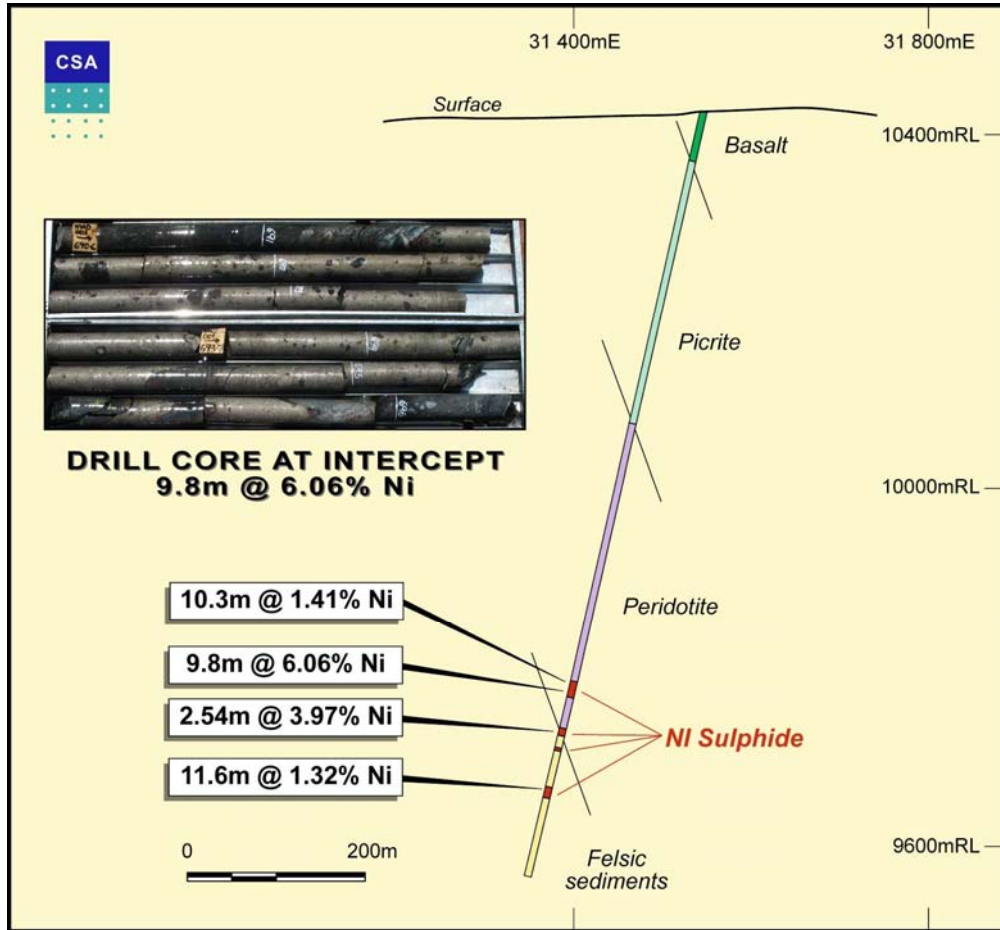
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The assay results from NMD0001 are extremely positive and the Company looks forward to continue developing its exploration and development strategy for the Windarra Nickel Project at a time when nickel prices continue to be extremely favourable.

For and on behalf of
NIAGARA MINING LIMITED

Douglas C. Daws
EXECUTIVE CHAIRMAN

Note: The information in this report that relates to exploration results is based on information compiled by Mr M Elias who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Elias is employed by CSA Australia Pty Ltd. Mr Elias has sufficient experience which is relevant to the style of mineralisation and type of deposits 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. The Australian Stock Exchange has not received and does not accept responsibility for the accuracy or adequacy of this release.



Cross Section NMD0001