



NIAGARA

MINING LIMITED

ABN 60 060 525 206

Unit 8, Level 1, Churchill Court
331-335 Hay Street
Subiaco WA 6008
PO Box 190
West Perth WA 6872
Tel: +61 8 9382 8799
Fax: +61 8 9382 4760

23 July 2007

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

www.asxonline.com

Dear Sir

Re: EXPANSION OF GROUND HOLDING AT WINDARRA

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

Yours faithfully

David P.A. Singleton
CHIEF EXECUTIVE OFFICER

Enc

CORPORATE DIRECTORY

Director / Senior Management

David Singleton	Chief Executive Officer
Andrew Forrest	Non-Executive Chairman
Richard Monti	Non-Executive Director
Chris Indermaur	Non-Executive Director
Ross Kestel	Company Secretary

Corporate Enquiries

Mr David Singleton - CEO
P: 61 8 9382 8799
F: 61 8 9382 4760
M: 0403 121 037
E: davids@niagaramining.com.au

Media Enquiries

Mr David Griffiths – Gryphon Management
P: 61 8 9382 8300
F: 61 8 9381 2349
M: 0419 912 496
E: david.griffiths@gryphon.net.au

Registered Office

Level 1, South Mill Centre
9 Bowman Street
South Perth WA 6151
Tel: 61 8 9367 8133
Fax: 61 8 9367 8812

Principal Office

Unit 8, Level 1 Churchill Court
331-335 Hay Street
Subiaco WA 6008
Tel: 61 8 9382 8799
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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

Shareholder Enquiries

Enquiries concerning shareholdings should be addressed to:

Computershare Investor Securities
GPO Box D182, Perth WA 6840
Tel: 61 8 9323 2000



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ASX Announcement

23 July 2007

EXPANSION OF GROUND HOLDING AT WINDARRA

Niagara Mining Limited (ASX: NIADA) is pleased to announce to shareholders that it has acquired further tenements at the Windarra project which has significantly expanded and consolidated the Company's ground position.

As well as having substantial potential to hold nickel mineralisation, the increased land position ties together Niagara's current ground holdings and gives the Company further flexibility for the placement of infrastructure for any future mining and processing development. The additional 400km² to be acquired will increase the Company's land holding at Windarra four-fold.

Under the terms of agreements between Dynasty Metals Australia Ltd and Tyson Resources Pty Ltd, Niagara will allot \$400,000 of Niagara shares and pay \$6,500 in cash for the acquisition of ten exploration licences and prospecting licences. The agreements are subject to a number of conditions including Due Diligence, all necessary shareholder, regulatory and government consents and approvals and consent from parties holding residual rights to the tenements.

Yours faithfully

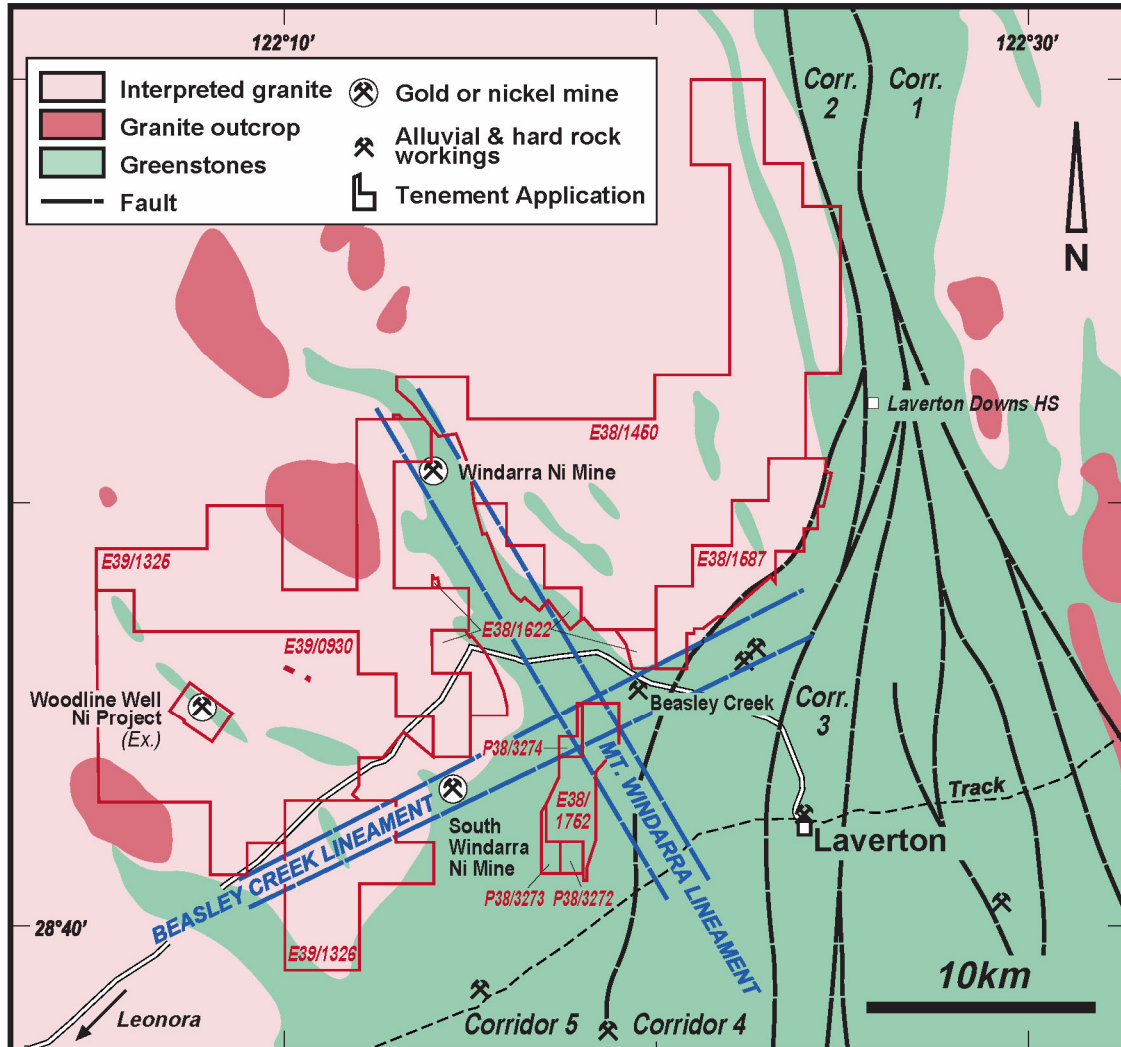
David P.A. Singleton
CHIEF EXECUTIVE OFFICER



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Tenement map showing relationship of acquired ground holding abutting the Niagara tenements from Mt Windarra to South Windarra and including the Woodline Well tenement also held by Niagara Mining. Acquired land is bounded by tenements EL 39/1325, EL 39/1326, EL 39/930, EL 38/1450, EL 38/1587, EL 38/1622, EL 38/1752, PL 38/3272, PL 38/3273 and PL 38/3274.