



For Immediate Dissemination
September 5, 2008

TSXV-MMS
NR2008-13

LAKE GILES MAGNETITE PROSPECT UPDATE STAGE 6 DRILLING PROGRAM

Vancouver, BC. – Macarthur Minerals Limited (TSXV – MMS) (the “Company”) is pleased to provide the following update on exploration activities at its Lake Giles project in Western Australia.

The Company has now completed five separate drilling programs and recently commenced Stage 6. The Stage 6 drilling program is focusing on the Deep South area of the project and to date 28 holes for 5,968 meters have been completed.

The Company expects to complete a further 20 holes before the end of September 2008 with the average depth of these holes to be in the vicinity of 230 meters to 250 meters in depth. The site geologist has recorded mineralisation intercepts in the Deep South project and given the experience with the previous stages is confident that similar assay results will be achieved in Stage 6 drilling.

Stage 5 results are 85% received and a table of significant results is included with this release. Hellman & Schofield have commenced the Stage 5 Sandlewood resource estimate with a full report available later in September 2008.

MACARTHUR MINERALS LIMITED

ACN 103 011 436

Vancouver Head Office
Suite 916 – 925 West Georgia St.
Vancouver, BC V6C 3L2 Canada
Tel: (604) 687-0775
Fax: (604) 687-0710
www.macarthurminerals.com

Brisbane Office
Macarthur Minerals Limited
Level 5, Suite 19, 320 Adelaide St.
Brisbane QLD 4000 Australia
Tel: +61 7 3010 9342
Fax: +61 7 3010 9001

Hole ID	From	To	Interval	Conc Fe %	Con SiO2 %	Mass Recovery %
LGRC_081	119	234	115	65.93	7.43	30
LGRC_097	121	222	101	60.89	8.7	20
LGRC_079	150	244	94	58.17	12.2	26.34
LGRC_082	138	230	92	62.07	8.46	26
LGRC_080	84	165	81	58.2	7.64	8
LGRC_085	170	248	78	63.3	11.72	41
LGRC_090	138	216	78	64.12	7.45	26.42
LGRC_089	90	165	75	66.88	6.42	36.71
LGRC_084	132	200	68	60.93	9.7	24
LGRC_098	73	130	57	64.06	10.22	33
LGRC_095	100	155	55	65.36	9.1	32
LGRC_100	45	100	55	60.01	12.2	38
LGRC_085	50	100	50	65.1	8.2	21
LGRC_091	200	250	50	67.82	5.6	29.96
LGRC_091	78	123	45	65.04	9.3	34
LGRC_092	56	100	44	62.88	11.88	34.42
LGRC_095	165	205	40	62.75	5.15	12
LGRC_089	118	155	37	62.11	13.31	42
LGRC_086	65	101	36	63.8	10.74	41
LGRC_082	80	112	32	63.34	11.11	40
LGRC_093	129	158	29	65.08	8.01	35
LGRC_087	135	157	22	62.15	12.82	36.9

Qualified Person

Mr. Nick Revell, BSc, a member of AusIMM, and a Company director, is a Qualified Person as defined in National Instrument 43-101- Standards of Disclosure for Mineral Projects ("NI 43-101"), in charge of the exploration on the Lake Giles project.

MACARTHUR MINERALS LIMITED

ACN 103 011 436

Vancouver Head Office
Suite 916 – 925 West Georgia St.
Vancouver, BC V6C 3L2 Canada
Tel: (604) 687-0775
Fax: (604) 687-0710
www.macarthurminerals.com

Brisbane Office
Macarthur Minerals Limited
Level 5, Suite 19, 320 Adelaide St.
Brisbane QLD 4000 Australia
Tel: +61 7 3010 9342
Fax: +61 7 3010 9001



Typical location for further drilling in the Deep South area.

On behalf of the Board of Directors,

MACARTHUR MINERALS LIMITED

"David K. Barwick"

David K. Barwick, President, Chairman & CEO

Investor and Media Inquiries:

North America: Gia Van Tran, Macarthur Minerals Limited

Tel: (604) 687-0775, Email: macmin@telus.net

Australia: David K. Barwick, Tel: + 61 4 488 700 745

Email: dbarwick@macarthurminerals.com

THE TSX VENTURE EXCHANGE DOES NOT ACCEPT RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THIS RELEASE

MACARTHUR MINERALS LIMITED

ACN 103 011 436

Vancouver Head Office

Suite 916 – 925 West Georgia St.

Vancouver, BC V6C 3L2 Canada

Tel: (604) 687-0775

Fax: (604) 687-0710

www.macarthurminerals.com

Brisbane Office

Macarthur Minerals Limited

Level 5, Suite 19, 320 Adelaide St.

Brisbane QLD 4000 Australia

Tel: +61 7 3010 9342

Fax: +61 7 3010 9001