

**Quarterly Report January to March 2009****HIGHLIGHTS****MOLYHIL TUNGSTEN-MOLYBDENUM DEVELOPMENT PROJECT**

- Development of the project and in particular financing still continues to be of high priority. Efforts to secure finance via a variety of means are continuing with global focus.
- Investigation of alternatives to reduce capital and operating costs for the project continue.
- The selling price of Molybdenum Roasted Concentrates has reduced slightly during the last quarter and showing some signs of support at US\$8/lb. The selling price of Tungsten APT has reduced slightly to between US\$210/mtu and US\$225/mtu. Demand for the commodities has increased slightly over the period, with worldwide stockpiles nearly exhausted. Demand is showing signs of improvement for the remainder of the year, as the steel industry shows increased production levels.
- The results of the metallurgical test work have demonstrated that the magnetite is of superior quality for use in coal washing. Several potential customers have independently analysed the marketing samples and found the magnetite to be of sufficient quality to be considered a premium product.

**EXPLORATION PROJECTS**

- An RC drilling campaign at Molyhil was conducted in January 2009

**CORPORATE**

- In January 2009 Thor Mining raised £220,000 (A\$487,000) by way of a placement of 22 million shares to UK based sophisticated investors.

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## MOLYHIL TUNGSTEN - MOLYBDENUM PROJECT

The Molyhil Tungsten-Molybdenum Project (Molyhil Project) is a proposed open cut mine and processing facility to be constructed in the Northern Territory. The main objective of the proposed facility is to produce scheelite, molybdenite and magnetite concentrates for sale.

Thor, through its wholly-owned Australian subsidiary Molyhil Mining Pty Ltd, owns 100% of the Molyhil Project, which comprises two EL's 22349 and 24392, totalling 829km<sup>2</sup> in area, and includes three granted Mining Leases 23825, 24429 and 25721. The combined Mining Leases cover an area of 247ha.

The Molyhil project has a proposed mine life of 5.7 years from a mining reserve of 2.12 million tonnes at 0.21% MoS<sub>2</sub> and 0.47% WO<sub>3</sub>, this reserve contains 10.4 million pounds of MoS<sub>2</sub> and 1.05 million mtu's of WO<sub>3</sub>.

## MOLYHIL DEVELOPMENT

### Finance

Development of the project and in particular financing has been the main focus for the period. The Thor management Team continues to meet with many potential financiers and partners with a view to getting the project into operation. The discussions have been positive to date, however the mood is still very cautious in the current financial climate.

### Development

The Capital reduction programme and investigation into the reduction of operating costs is ongoing and is expected to be completed in the next quarter with a revised feasibility study being published.

The magnetite marketing samples have now been tested by several potential customers. As shown by the Australian Coal Institute Research Laboratories the magnetite is of exemplary quality throughout all the size ranges. Grinding tests have also been completed to demonstrate that the plus 75 micron minus 250 micron material can be successfully ground to minus 75 microns and maintain the characteristics required for coal washing. This greatly increases the amount of saleable product from the operations.

The minus 250 micron, plus 75 micron size fraction is still being investigated for its market suitability and the samples produced to date have all the attributes required for the steel producing industry.

## EXPLORATION PROJECTS

### MOLYHIL EXPLORATION

- An RC drilling campaign at Molyhil was conducted in January 2009 with the following objectives:
  1. Test an IP (induced polarisation) anomaly outside of the proposed pit boundary which had the potential to substantially increase the size of the Molyhil resource.
  2. Infill drilling within the proposed pit to tighten up the resource calculation.
- Drilling the IP anomaly failed to intersect any significant mineralisation, however assays from the drilling programme within the proposed pit boundaries have been positive. All holes drilled within the proposed pit intersected significant widths of MoS<sub>2</sub> and WO<sub>3</sub> mineralisation. The following table summarises the assays received from the January 2009 drilling:

Hole ID	N_Local	E_Local	RL	L_Grid_Azi	Dip	Depth	Width	From	To	WO3%	MoS2%	Comments
09MHRC005	19897	10043	412	270	-60	168	8	111	119	0.35	0.01	Southern Extension Down Plunge
09MHRC006	19894	10067	411	270	-60	198	17	127	144	0.22	0.22	Southern Extension Down Plunge
09MHRC007	20006	10045	409	270	-60	120	42	54	96	0.35	0.11	Test gap in model
09MHRC008	20007	10069	410	270	-60	132	2	54	56	3.21	0.27	Test gap in model
							12	98	110	0.5	0.45	
09MHRC012	20024	10072	410	270	-60	120	28	33	61	1.06	0.21	Test gap in model
							9	33	42	2.33	0.43	
09MHRC013	19941	10010	401	270	-70	120	4	38	42	0.79	0.13	Test gap in model
							8	66	74	0.01	1.23	
09MHRC014	19965	10009	401	270	-70	114	46	31	77	0.44	0.31	Test gap in model
							3	69	72	0.03	3.01	
09MHRC015	19931	10053	412	270	-65	168	2	97	99	0.24	0.25	Test gap in model
							20	136	156	0.67	0.54	
09MHRC016	19891	10101	411	270	-65	234	53	171	224	0.23	0.24	Southern Extension Down Plunge
							<b>TOTAL</b>		<b>2,340</b>	<b>meters</b>		

- These results will allow the geological model to be revisited to investigate the potential increase in resource figures. It is expected that a revised resource calculation will be published during May 2009.

## OTHER PROJECTS

No work was completed this quarter at the Hatches Creek, Harts Range, Curtis Pound, Bunday River and Hale River Projects.

## CASH POSITION

The quarter closed with A\$1.2 million cash reserves.

Yours faithfully

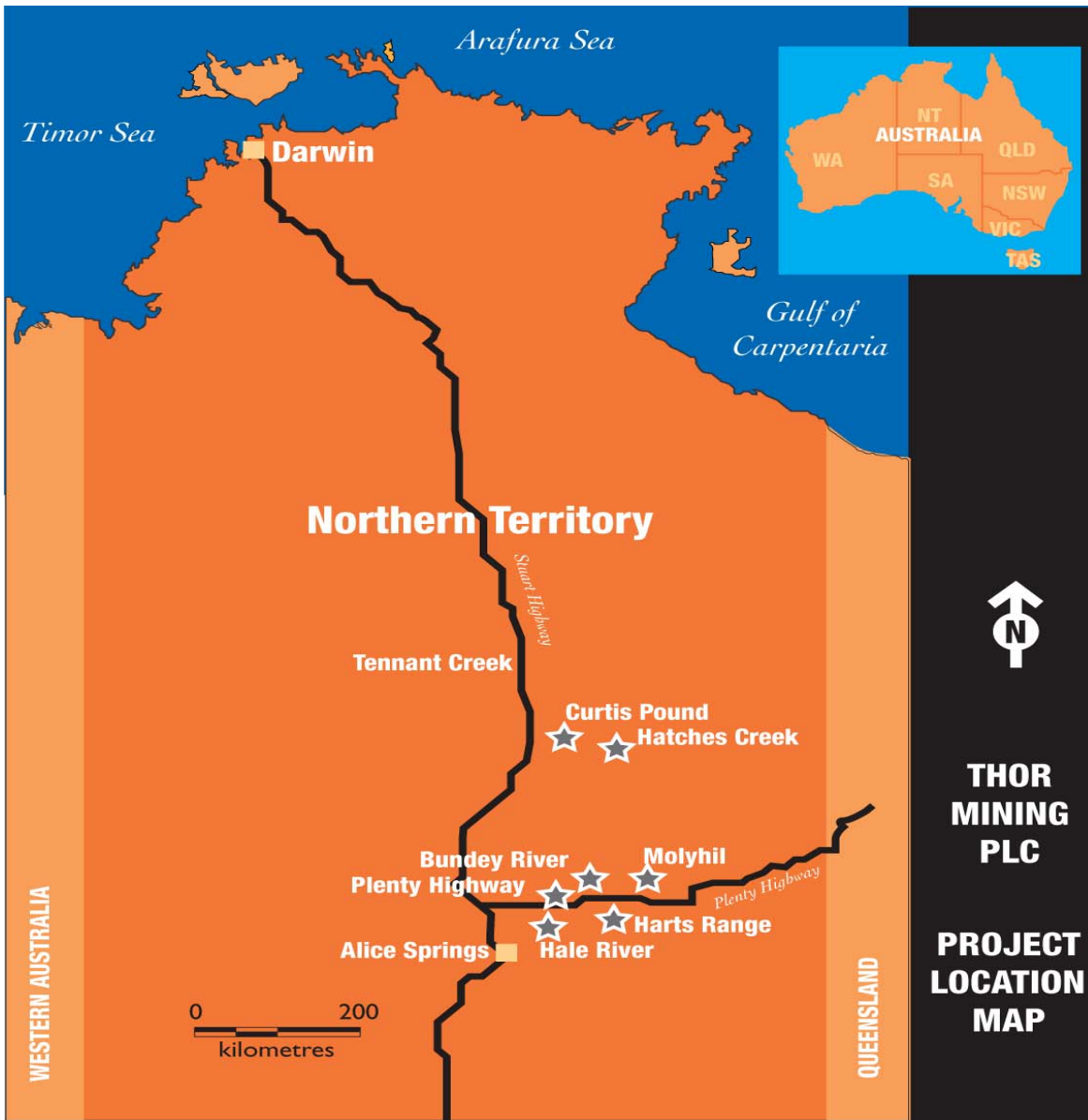
## THOR MINING PLC

**Mick Billing**  
Executive Chairman

*The information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Stuart Till, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Till provides services to Thor Mining PLC under a contractual agreement. Stuart Till 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'. Stuart Till consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

## Appendix 1

### Thor Project Locations



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**Appendix 2**

**Directors**

Michael Billing  
John Young  
Michael Ashton  
Greg Durack  
Norman Gardner

Executive Chairman  
Non-Executive Director  
Non-Executive Director  
Non-Executive Director  
Non-Executive Director

**Chief Executive Officer**

Ian Sheffield-Parker

**Chief Financial Officer**

Damian Delaney (AU)

**Company Secretary**

Damian Delaney (AU)  
Stephen Ronaldson (UK)

**Shareholder Enquires**

Damian Delaney (AU)

Contact

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**Share Registry**

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UK

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**Australian Stock Exchange Listing**

Shares  
Warrants

THR  
THRO

**AIM Listing**

Shares  
Warrants

THR  
THRW

**European Stock Exchange Listings**

Frankfurt  
Berlin  
Munich  
Stuttgart

**Major shareholders 29 April 2009**

Western Desert Resources Limited	14.56%
Vidacos Nominees Limited	7.29%
ANZ Nominees Limited	3.18%

**Capital Structure 29 April 2009**

Ordinary Shares on Issue	171,476,566
15/06/09 Warrants Exercise Price 8p	65,569,166
Unlisted Options	
29/06/10 Options Exercise Price 6p	455,000
15/06/09 Options Exercise Price 11.25p	3,333,333
15/06/09 Options Exercise Price 8p	13,500,000
15/06/09 Options Exercise Price 11.25p	2,750,000
15/09/11 Options Exercise Price 18 cents	5,000,000

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