

COMPANY SNAPSHOT

LODESTAR MINERALS LIMITED
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CAPITAL STRUCTURE

Shares on Issue:
 116,489,477(LSR)

Options on Issue:
 7,000,000 (Unlisted)

ASX: LSR

PROJECTS

Peak Hill – Doolgunna:
 Base metals, gold

Penfold:
 Nickel

Kimberley:
 Nickel, copper, PGM’s



COPPER ANOMALISM DEFINED BY LODESTAR’S DRILLING ON THE EXTENSIONS OF THE ENIGMA AND GREEN DRAGON STRUCTURAL TRENDS

HIGHLIGHTS

- **Copper anomalies defined by RAB and aircore drilling on Lodestar’s ground along the extensions of the:**
 - **Enigma structural zone including:**
 - **20m @ 608ppm Cu (LNR134 - 12m to 32m)**
 - **16m @ 928ppm Cu (LNR148 – 8m to 24m)**
 - **Green Dragon structural zone including:**
 - **12m @ 541ppm Cu (LNR251 – 12m to 24m)**
 - **12m @ 970ppm Cu (LNR257 – 20m to 32m)**
 - **7m @ 1258ppm Cu (LNR267 – 4m to 11m)**
- **Drilling did not reach bedrock in promising anomalous areas, so testing is incomplete. A more powerful drill rig will be sourced to test these areas to bedrock.**
- **Attractive copper targets defined that now require refining and deeper drill testing.**

Lodestar Minerals Limited (ASX: LSR) (Lodestar or the Company) is pleased to provide an update on the regional RAB/aircore drilling program being completed on Neds Creek Tenement E52/2456 (Figures 1 and 2).

A total of 17,948m of drilling have been completed on a 500 by 100 metre spacing for 317 holes. Assays have been received for 272 holes. Of these, 46 holes have reported copper intersections of >300ppm, with minor malachite (copper carbonate) mineralisation associated with a quartz vein noted in LNR297.

Drilling along the east-north-east trending “Enigma structural zone” encountered a number of the anomalous intersections where the structural zone intersects a black shale contact. Drilling will now need to be extended to the north in some areas where the anomalism has not been closed off.

Drilling along the east-north-east trending “Green Dragon structural zone” has intersected significant anomalism on three widely spaced lines. The Green Dragon structural zone can be traced from the Green Dragon deposit across E52/2456 to its eastern boundary, where it forms the faulted northern contact of a basement high. Drilling in much of this area encountered siliceous and ferruginous duricrust that has reported elevated Cu, Zn and Ag including:

- LNR251 – 12m @ 541ppm Cu, 0.62ppm Ag from 12m to 24m (EOH) and
- LNR267 – 7m @ 1258ppm Cu, 840ppm Zn from 4m to 11m (EOH)

Drilling to bedrock through this siliceous and ferruginous duricrust will require a rig with the capacity to penetrate these hard zones and it is planned to complete this drilling as soon as rig availability is confirmed.

Lodestar’s first phase of regional drilling is almost complete, with very encouraging results that compare favourably with early stage exploration elsewhere within the Yerrida and Bryah Basins. Attractive geochemical and structural targets have been identified that now require refining and deeper drill testing.

The next phase of exploration will involve drilling in areas where drilling depth was restricted by duricrust. An on-going review of the drilling results is assisting our geological understanding of the Neds Creek area and will provide the basis for infill RAB and aircore drilling and deeper drill testing of the numerous copper anomalies identified to date.

COPPER ANOMALIES DEFINED – MCDONALD WELL

TABLE 1 Selected assay Results >300ppm Cu

Hole	From	To	Intersection (m)	Grade Cu (ppm)	Grade Zn (>200ppm)	Composite thickness (m)	Composite Grade Cu (ppm)
LNR133	32	36	4	478			
LNR133	36	40	4	407			
LNR133	40	44	4	384			
LNR133	44	48	4	338		16	401
LNR134	12	13	1	432			
LNR134	13	14	1	387			
LNR134	14	15	1	393			
LNR134	15	16	1	305			
LNR134	16	20	4	468			
LNR134	20	24	4	954			
LNR134	24	27	3	529			
LNR134	27	28	1	826			
LNR134	28	32	4	640		20	608
LNR135	12	16	4	775			
LNR135	16	20	4	811		8	793
LNR135	28	32	4	367			
LNR136	4	8	4	465			
LNR136	8	12	4	422			
LNR136	12	16	4	764			
LNR136	16	20	4	468			
LNR136	20	24	4	552			
LNR136	24	28	4	369			
LNR136	28	32	4	405		28	492
LNR136	36	40	4	375			
LNR136	52	56	4	301			
LNR136	60	63	3	361			
LNR148	8	12	4	970	666		
LNR148	12	16	4	1000	505		
LNR148	16	20	4	1290	369		
LNR148	20	24	4	453		16	928
LNR148	32	35	3	403	306		
LNR148	35	37	2	407	394	5	404
LNR251	0	4	4	471			
LNR251	4	8	4	496		8	483
LNR251	12	16	4	384			
LNR251	16	20	4	683			
LNR251	20	23	3	545			
LNR251	23	24	1	593		12	541
LNR257	20	24	4	449	459		
LNR257	24	28	4	1640	956		
LNR257	28	32	4	822	586	12	970
LNR267	4	8	4	1010	781		
LNR267	8	10	2	1440	868		
LNR267	10	11	1	1890	1020	7	1258
LNR269	0	4	4	723	440		
LNR269	4	8	4	802	641	8	762
LNR297	79	80	1	168			
LNR297	80	81	1	1380			
LNR297	81	82	1	428			

Assaying was completed by UltraTrace Laboratories using method AR001 aqua regia digest with ICP-MS read for gold. Base metals and silver were analysed using method AR101 or AR102 by aqua regia digest with an ICP-OES or ICP-MS read, respectively. Analytical standards and duplicate samples were inserted routinely during the program.

Table 2 Drill Hole Coordinates for selected intersections >300ppm Cu

HoleID	Project	Prospect	Easting	Northing	RL	Grid	SurveyMethod	TotalDepth
LNR133	NEDS CREEK	McDonald Well	782598	7188691	579	MGA94_50	GPS	90
LNR134	NEDS CREEK	McDonald Well	782598	7188593	590	MGA94_50	GPS	37
LNR135	NEDS CREEK	McDonald Well	782588	7188501	579	MGA94_50	GPS	57
LNR136	NEDS CREEK	McDonald Well	782600	7188398	582	MGA94_50	GPS	63
LNR148	NEDS CREEK	McDonald Well	782602	7187382	586	MGA94_50	GPS	37
LNR251	NEDS CREEK	McDonald Well	784519	7185703	563	MGA94_50	GPS	24
LNR257	NEDS CREEK	McDonald Well	785001	7185698	572	MGA94_50	GPS	66
LNR267	NEDS CREEK	McDonald Well	783181	7184900	574	MGA94_50	GPS	11
LNR269	NEDS CREEK	McDonald Well	783339	7184892	562	MGA94_50	GPS	11
LNR297	NEDS CREEK	McDonald Well	785761	7182997	558	MGA94_50	GPS	90

COPPER ANOMALIES DEFINED – MCDONALD WELL

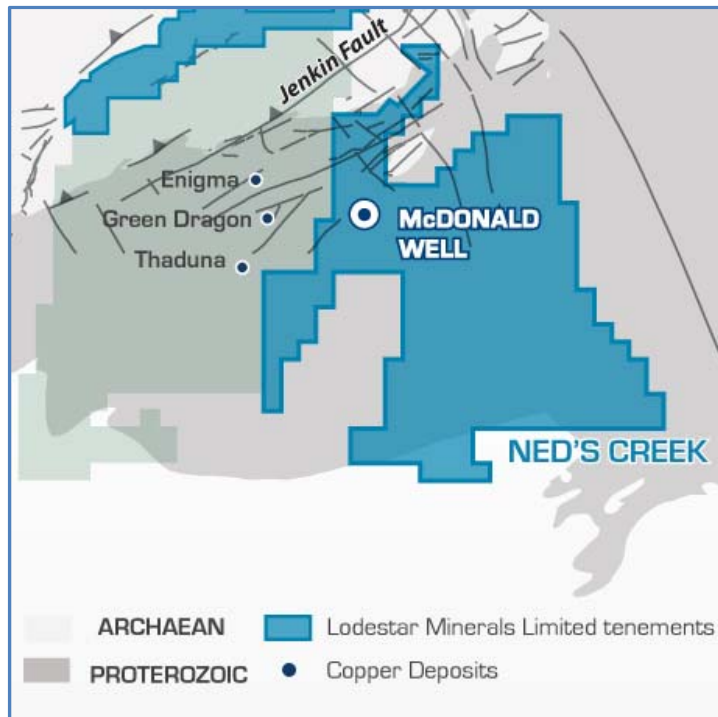


Figure 1 Ned's Creek Project - mines and prospects

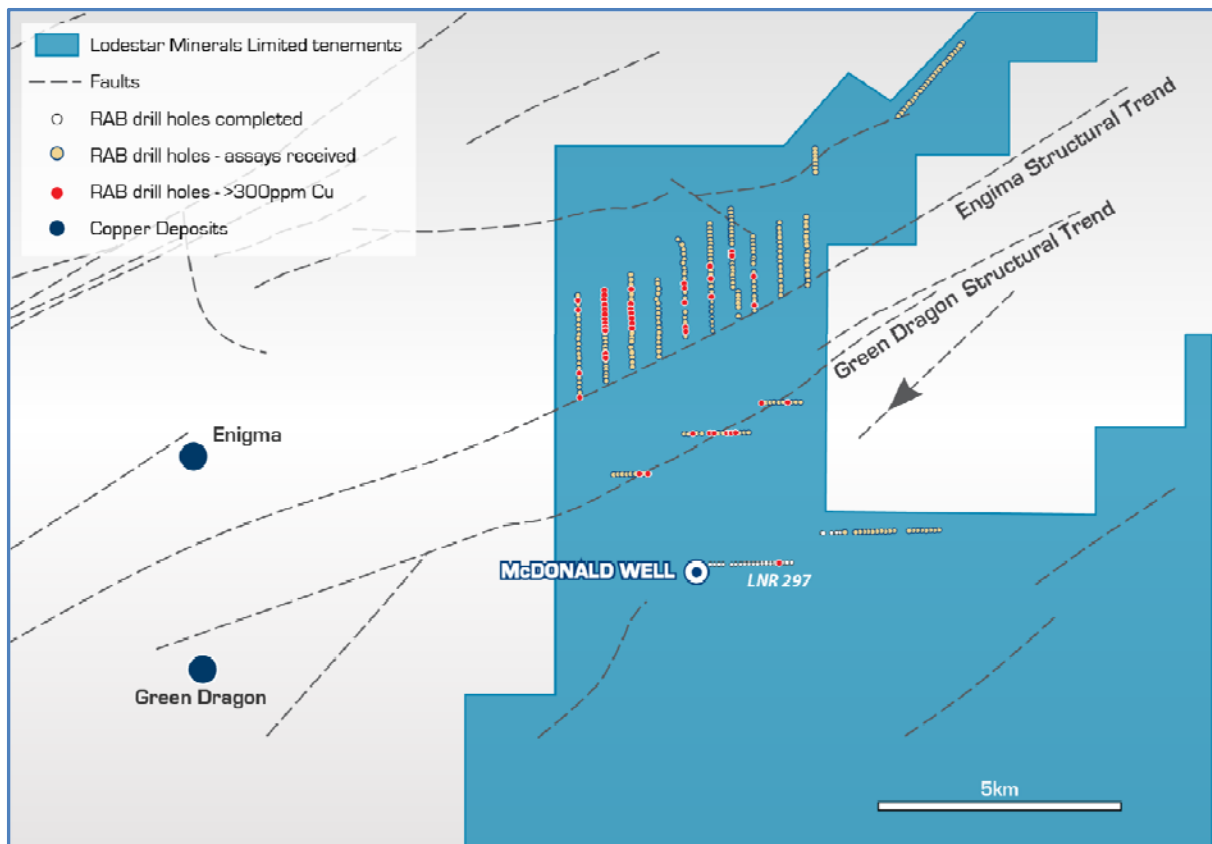


Figure 2 Neds Creek drilling program showing holes completed and assay results >300ppm Cu

Competent Person Statement:

The information in this report that relates to Exploration Results is based on information compiled by Bill Clayton, Managing Director, who is a Member of the Australasian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Clayton consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

About Lodestar Minerals:

Lodestar Minerals Limited is a Perth-based explorer with projects in the Kimberley, Peak Hill and Kalgoorlie regions. Lodestar acquired its “Flagship” Peak Hill – Doolgunna project in March 2010. The Peak Hill – Doolgunna project forms the core of Lodestar’s project portfolio and represents a strategic landholding of 2300 square kilometres covering 120 kilometres of the Jenkin Thrust Belt, a regional fault system that is adjacent to the recently discovered DeGrussa Cu-Au deposit. Lodestar is embarking on an aggressive exploration program to assess the excellent potential of the emerging and under-explored north Murchison base metal province.

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