

PacMag Metals Limited

ASX ANNOUNCEMENT

FURTHER HIGH-GRADE COPPER RESULTS FROM THE SHAMROCK PROJECT

SUMMARY

1st September 2009

- **New high-grade copper results from a recent RC drilling program conducted by the Company at the Shamrock Project include:**
 - **33.6m @ 1.72% copper from a depth of 15.2m,**
 - **including 4.1m @ 7.75% copper and**
 - **7.1m @ 2.04% copper,**
 - **22.4m @ 1.08% copper from a depth of 68m,**
 - **including 6.1 m @ 1.84 % copper and**
 - **19.3m @ 1.03% copper from a depth of 91m.**
- **New zone of near surface copper mineralisation identified in western portion of the prospect area opening up possibility of substantial additional shallow copper mineralisation in this western fault block. Results included; 10.2m @ 0.84% copper from a depth of 11.2m.**
- **Copper mineralisation remains open along strike for a further 500m, and will be the target of future drill testing.**

The Directors of PacMag Metals Limited ("PacMag") are pleased to report further high-grade copper intersections from recent drilling at the Shamrock copper project.

The Shamrock Project is a high-grade copper prospect is located on patented mineral claims, 5 kilometres south east of the Company's Ann Mason porphyry copper-molybdenum deposit containing an inferred resource of 810 million tonnes grading 0.4% copper and 0.004% molybdenum, as previously reported to the ASX on the 5th October 2006.

Chairman Mike Joyce commented "The Company is very encouraged by the results from this first drilling program at Shamrock. The width, tenor and continuity of copper mineralisation validate the interpretation of PacMag's technical team and should lead to the definition of a future copper resource."

ASX:PMH

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Success in developing an initial operation at a higher grade project such as Shamrock may provide the catalyst to develop the Company's nearby, larger scale and more capital intensive porphyry copper deposits (including the Ann Mason deposit containing 7.1 billion pounds of copper metal).

The company recently completed a 12 hole first pass RC program, testing copper targets over an area of approximately 250m width by 150m of strike and is pleased to now report assay results for all holes. The program has been highly successful in confirming the geology and mineralisation previously intersected by poorly documented limited diamond drilling conducted in the early 1970's. The new drill holes completed by PacMag in the southern, western and eastern edges of the area intersected strong copper oxide mineralisation close to surface, whilst holes drilled in the central northern portion of the program intersected strong to moderate copper sulphide mineralisation. Copper mineralisation remains open along strike to the north.

The results from PacMag drilling are detailed in Table 1 and include;

- **33.6m @ 1.72% copper from a depth of 15.2m, including 4.1m @ 7.75% copper and 7.1m @ 2.04% copper.**
- **22.4m @ 1.08% copper from a depth of 68m, including 6.1 m @ 1.84 % copper.**
- **19.3m @ 1.03% copper from a depth of 91m.**
- **12.2 m @ 1.24 % copper from a depth of 154m.**
- **9.1 m @ 1.23 % copper from a depth of 57.9m.**
- **10.2m @ 0.84% copper from a depth of 11.2m.**

Near surface copper mineralisation intersected in hole SH09005 is a particular highlight of the program as mineralisation was not previously identified in this western most fault block, opening up the possibility of significant additional near surface mineralisation being identified in future testing of this block. Of the twelve holes drilled seven intersected significant mineralisation, two (SH09004 and 10) were abandoned after the holes intersected near surface cavities, whilst hole SH09012 was a scout hole drilled 400m north of the main prospect area.

Hole (dip/azimuth)	East (m)	North (m)	From (m)	To (m)	Interval (m)	Copper (%)	Comments
SH09001 (-60/090)	6 759	11 968	57.9	67.1	9.1	1.23	Previously reported
			145.3	146.3	1	2.01	Previously reported
			152.4	171.7	12.2	1.24	Previously reported
SH09002 (vertical)	6 759	11 965					No significant results
SH09003 (-56/062)	6 760	11 965 Including	68.0	90.42	22.4	1.08	NEW RESULT Previously reported NEW RESULT NEW RESULT NEW RESULT
			68.0	71.1	3.1	4.90	
			75.2	76.2	1	1.2	
			87.4	90.4	3.1	2.12	
		and	147.3	150.4	3.1	0.62	
SH09004 (-70/090)							Hole abandoned after intersect near surface cavity re-drilled as SH09009

Hole (dip/azimuth)	East (m)	North (m)	From (m)	To (m)	Interval (m)	Copper (%)	Comments
SH09005 (vertical)	6 727	12 031	11.2	21.3	10.2	0.84	NEW near surface copper oxide zone in fault block not previously known to contain mineralisation
SH09006 (-75/270)	6 930	11 932 including and	91 92.4 104.6	111 95.4 110.7	19.3 3 6.1	1.03 2.14 1.84	NEW RESULTS
SH09007 (-75/090)	6 939	11 921 including and and	15.2 15.2 35.6 57.9	48.8 19.3 42.7 58.9	33.6 4.1 7.1 1	1.72 7.75 2.04 1.05	NEW RESULTS (oxide copper)
SH09008 (-55/090)	6 939	11 921					No significant results
SH09009 (-70/090)	6 774	12 015					No significant results
SH09010 (-60/090)	6 842	11 966	78.2	78.6 (end of hole)	0.4	3.02	NEW RESULT Hole abandoned after intersect near surface cavity re-drilled as SH090011
SH09011 (-70/090)	6 842	11 966	86.3 103.6	88.4 108.7	2.0 5.1	3.41 1.90	NEW RESULTS
SH09012 (-80/220)	6 838	12 364					No significant results

All samples as 3 feet (1.02m) RC samples taken as splits from RC cyclone. High-grade zones reported at 1% copper cut-off, with maximum 4m internal waste, lower grade zones at 0.7% copper cut-off, internal waste allowed. Assays by American Assay Laboratory Reno Nevada, ICP, 4 acid digest. QA-QC program included re-samples, repeats, blanks and certified standards. Grid is local grid in metres. Holes SH09001, 3, 6, 9, 11 and 12 downhole surveys via downhole gyroscopic method.

Table 1: Shamrock Project – Significant Drilling Results

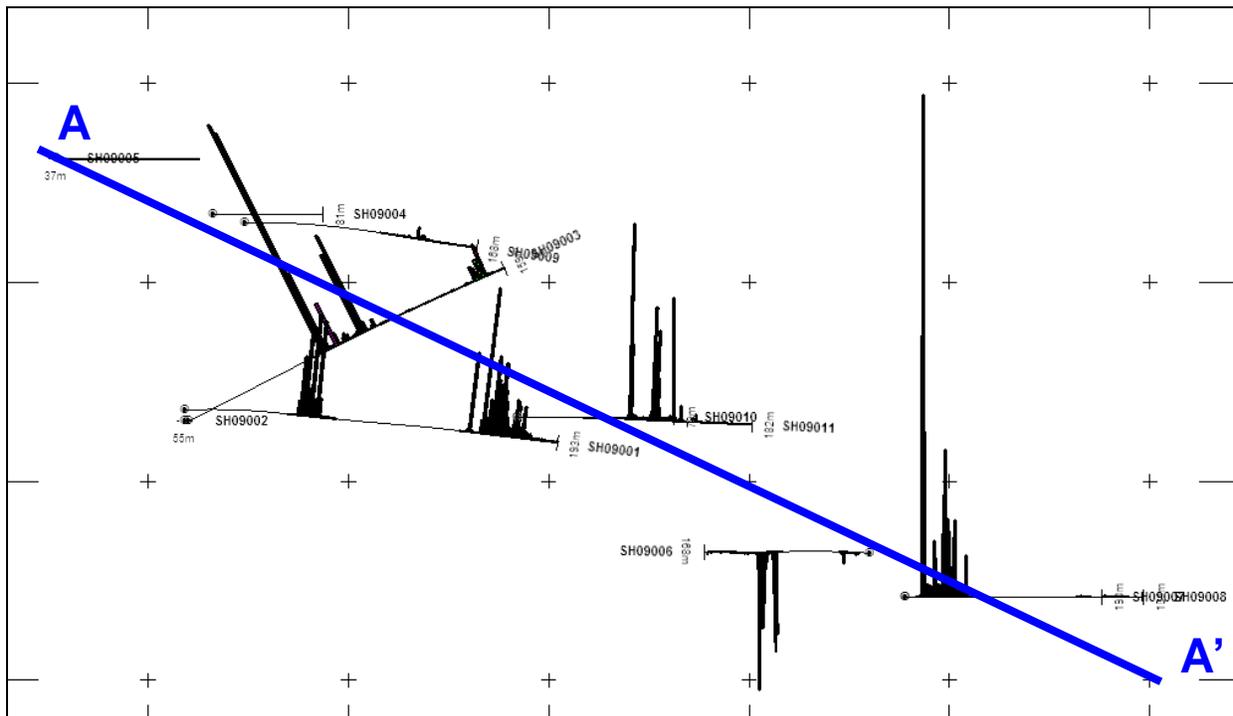


Figure 2: Shamrock drill collar plan with copper histograms in percent, (grid crosses 50m spacing)

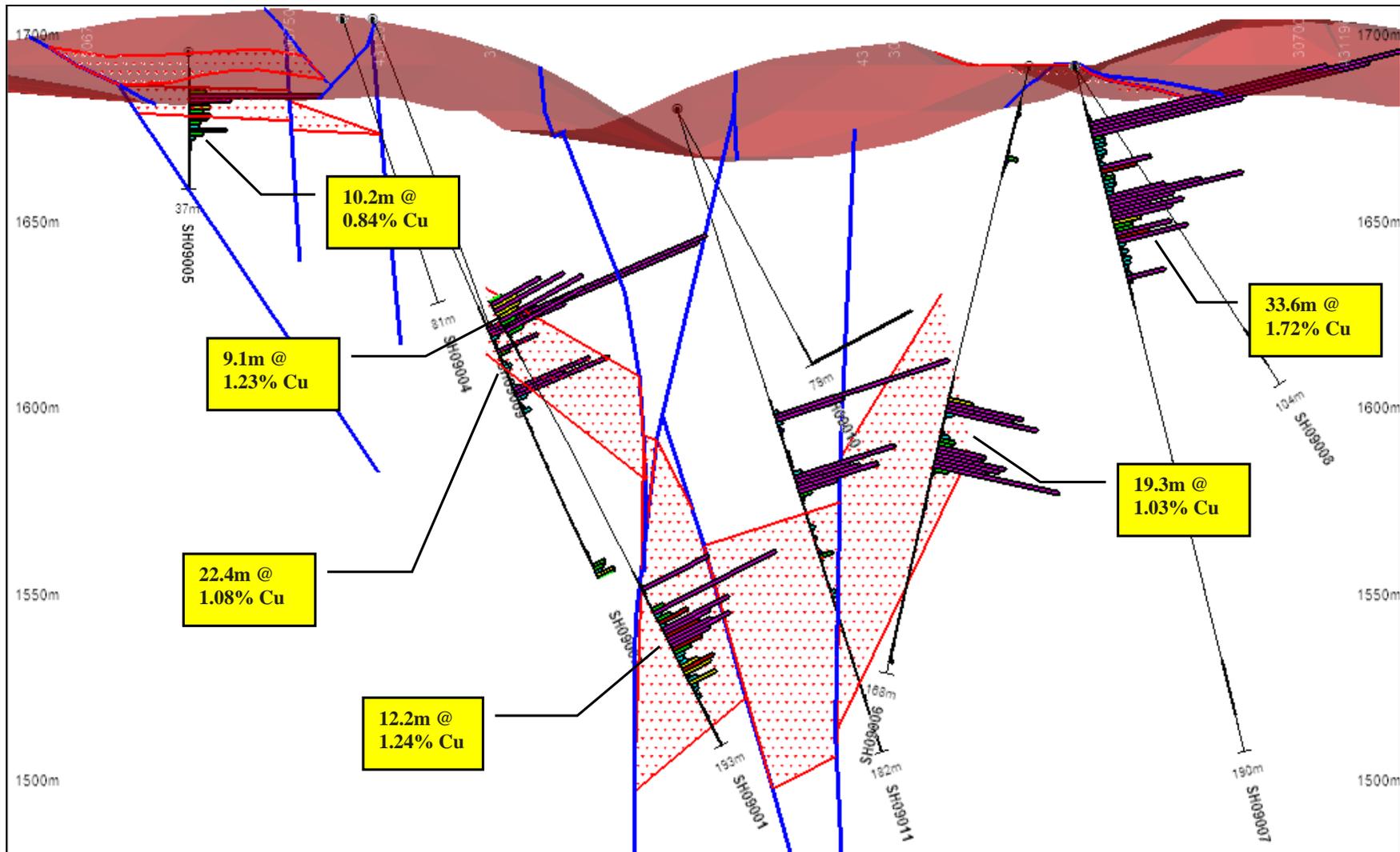


Figure 3: Cross Section A-A' with copper histograms in percent, (blue lines are interpreted faults, red hatch is interpreted skarn zone)

Technical Details

Mineralisation at Shamrock is hosted within skarn (altered limestone) close to the contact with an underlying andesite rock unit that is easily traceable along strike to the north. Based on detailed geological mapping and drilling, the limestone – andesite contact (and associated high-grade copper mineralisation) dips approximately 40° to the west and plunges northerly for an interpreted 250 metres, before rising again to outcrop at surface 500 metres north. The faulting and folding produces and interpreted canoe shaped target area, with overall dimensions of approximately 500m in length by 200 metres in width.

Previous drilling consisted of diamond coring and percussion drilling and although the Company has detailed reports containing the assay results and drill hole geology, the records are incomplete with respect to sampling, assay methodology, quality assurance and quality control and hence required independent validation by PacMag drilling.

The Shamrock project is secured by a two year option to purchase outright the mineral rights and where applicable surface rights with no residual royalties, covering 13 patented and 26 unpatented mining claims. The terms of the agreement are confidential, but included an up-front option payment and a predetermined cash purchase price to be payable before the end of the two year option period, should PacMag at its sole discretion exercise the option to purchase.

The Shamrock project is contiguous with the Company's existing McConnell mining claims.

The information in this ASX Release that relates to Exploration Results, Minerals Resources or Ore Reserves, as those terms are as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve", is based on information compiled by Mr Michael Clifford, who is a full time employee of the Company and a Member of the Australian Institute of Geoscientists. Mr Michael Clifford has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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 Reserve". Mr Michael Clifford consents to the inclusion in this ASX Release of the matters based on his information in the form and context in which it appears.

Michael Clifford
Director

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ABOUT PACMAG (ASX:PMH)

PacMag is an Australian-based exploration company focused on its advanced copper-molybdenum-gold assets at Ann Mason in the USA as well as its advanced Sentinel uranium-germanium-molybdenum project located in North Dakota, USA.

Ann Mason boasts a mineral resource of 810 million tonnes @ 0.4% copper, 0.004% molybdenum (7.1 billion pounds of contained copper metal). PacMag also holds interests in other less advanced copper projects in Australia.

"PacMag is continuing to evaluate a number of gold acquisition opportunities in Asia and the USA to supplement its USA based activities".