



# 13<sup>th</sup> June 2013

# **COMPANY SNAPSHOT**

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# **Capital Structure**

Shares on Issue: 131,538,627 (TLM)

**Options on Issue:** 14,800,000 (Unlisted)

# **Drilling Commences at the Southern Volcanics**

# RC program underway to test geophysical and geochemical anomalies at The Kink and Wedge Prospects

- Six discrete targets to be drilled which are hosted within favourable structural settings
- Two direct electro-magnetic anomalies identified at The Kink
- Two zones of coincident VTEM and copper geochemistry anomalism at the Wedge
- Two zones of anomalous copper geochemistry in a favourable structural setting at the Wedge

Talisman Mining Ltd (ASX: **TLM**) is pleased to advise that a drilling programme has commenced within the Southern Volcanics at its 100%-owned **Springfield Copper-Gold Project** in Western Australia (see **Appendix 1**).

The Southern Volcanics comprise a thick sequence of prospective Narracoota basalts, volcanic sediments and dolerites in close proximity to the Goodin Fault Zone (GFZ) – a major basin boundary structure and possible focus for VHMS and other copper (+/- gold) rich mineralizing fluids.

The 11 hole Reverse Circulation (RC) programme will test two electromagnetic (EM) targets at **The Kink** and a combination of four geochemical and geophysical target zones identified and validated by recently completed geophysical and geochemical surveys.



Figure 1 – Springfield Project VTEM image showing drill targets at the Southern Volcanics



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# **Drill Targets**

The six targets that are being tested by this drill programme have been identified as a result of extensive work completed by Talisman in 2012/13, including geological mapping, surface lag and soil sampling, geochemical drilling, airborne versatile time domain electromagnetic (VTEM) and detailed fixed loop electro-magnetic (FLEM) surveys, plus an expert external review.

Only limited RC drilling has been completed across the Southern Volcanics historically with no RC drilling localised on the current drill targets.

# VTEM-1 Drill Target

VTEM-1 is a clear late-time VTEM anomaly persisting to channel 43 on several lines, but with a relatively discrete core (200m-300m) which may indicate the presence of multiple layered conductors possibly associated with metallic conductive bodies (see Figure 1).

A single 150m RC drill-hole and subsequent down-hole electro-magnetic (DHEM) survey is proposed to test a modelled EM plate which is interpreted to be located at a depth of approximately 120m.

# VTEM-2 Drill Target

VTEM-2 is located within The Kink Prospect of the Southern Volcanics and was identified initially by a VTEM survey and subsequently confirmed by a FLEM survey (see Figure 1).

The FLEM survey was designed to test for copper-gold mineralisation similar to that at the DeGrussa Mine at a depth beyond the resolution of the VTEM survey. Anomalous copper results in nearby wide-spaced aircore drilling also provided encouragement for mineralization in the area.

The anomaly identified at VTEM-2 appears to be related to a prominent NNW-trending structural zone controlling a palaeo-drainage system with shallow, weakly conductive material. However, some unusual deeper conductive features were observed in the FLEM survey over the area.

Instead of the EM data displaying one primary signal from the shallow drainage response, secondary anomalies were detected within the late-time channels. It was not possible to trace any continuity to the anomalies due to noisy ground polarisation effects, but 3D inversion of the EM data was completed which defined a more strongly conductive unit in the south-east corner of the survey.

A single RC drill hole is proposed to test the core of the 3D EM inversion model to a depth of 150m and will also be surveyed using DHEM techniques.

## The Wedge Prospect Drill Targets

Recent surface lag and soil sampling over the Wedge has defined several coherent zones of elevated copper values greater than 300ppm (and anomalous gold-zinc-cobalt), with copper values reaching a maximum of 707ppm Cu (see Appendix 2).

Subsequent detailed surface mapping indicates that the elevated multi-element geochemistry and associated VTEM targets may be related to structurally-controlled copper mineralization connected with the Goodin Fault Zone where it transgresses permissive iron and sulphide-rich host rocks.

Nine angled RC drill holes, on three traverses for a total of 1,350m, are proposed as part of the current programme to test the four target zones identified along the Goodin Fault Zone (see *Figure 2*).

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#### **ENDS**

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## **Competent Persons' Statement**

Information in this ASX release that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Graeme Cameron, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Graeme Cameron is a full time employee of Talisman Mining Ltd and has sufficient experience which is relevant to the style of mineralisation and types of deposit under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Mineral Resources and Ore Reserves". Mr Graeme Cameron consents to the inclusion in this report of the matters based on information in the form and context in which it appear. TALISMAN MINING LIMITED ASX Code: TLM Commencement of RC Drilling Southern Volcanics



#### Appendix 1 – Talisman Mining Ltd Project locations







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Appendix 2 – Wedge Prospect LAG sample locations (MGA94\_50) with returned assay values >300ppm Cu (AR-ICPMS\*)

SampleID	North	East	RL	Lab	Cu_ppm	Zn_ppm	Co_ppm	Au_ppb
SPS7059	7161951	732999	588	ACME	706	69	26	-0.5
SPS6594	7164799	735800	585	ACME	551	511	227	0.6
SPS6777	7164450	735000	587	ACME	497	27	10	1.7
SPS6656	7163602	735400	585	ACME	490	90	28	-0.5
SPS6595	7164850	735804	587	ACME	484	234	123	2.1
SPS6617	7164704	735599	582	ACME	452	271	139	-0.5
SPS6418	7165400	736799	600	ACME	440	365	147	-0.5
SPS6614	7164804	735601	586	ACME	435	195	109	-0.5
SPS6778	7164499	735002	585	ACME	426	40	15	1.2
SPS6615	7164752	735599	583	ACME	396	257	146	-0.5
SPS7058	7161899	733003	587	ACME	391	81	140	-0.5
SPS6603	7165200	735800	594	ACME	383	220	71	-0.5
SPS6419	7165350	736799	600	ACME	376	292	100	0.8
SPS7057	7161851	733000	589	ACME	366	110	43	-0.5
SPS6655	7163549	735401	582	ACME	362	59	21	0.7
SPS6417	7165450	736800	599	ACME	361	250	88	-0.5
SPS6420	7165302	736799	599	ACME	360	256	97	1.5
SPS6604	7165248	735801	595	ACME	351	186	48	-0.5
SPS6703	7164400	735198	589	ACME	347	279	140	0.9
SPS7106	7161449	732199	585	ACME	337	77	37	-0.5
SPS6723	7163450	735198	586	ACME	332	46	19	-0.5
SPS7108	7161550	732198	583	ACME	329	76	69	-0.5
SPS7107	7161499	732198	588	ACME	326	85	51	-0.5
SPS7109	7161600	732200	584	ACME	325	41	15	-0.5
SPS6958	7162493	733998	590	ACME	325	365	153	-0.5
SPS6581	7164147	735805	588	ACME	321	201	102	-0.5
SPS6618	7164652	735599	583	ACME	321	209	109	-0.5
SPS6602	7165150	735800	591	ACME	320	206	67	0.8
SPS6601	7165099	735799	590	ACME	320	210	76	-0.5
SPS6544	7165052	735998	590	ACME	312	284	141	1.6
SPS7105	7161400	732200	588	ACME	310	66	27	-0.5
SPS6421	7165250	736800	598	ACME	310	231	82	-0.5

\* AR\_ICPMS = Aqua Regia digest with ICP-MS finish