

Hot Chili LimitedACN 130 955 725First Floor, 768 Canning Highway, Applecross, Western Australia 6153PO Box 1725, Applecross, 6953, Western AustraliaP: +61 8 9315 9009F: +61 8 9315 5004

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# Best results to date at Productora pave way for substantial resource upgrade

## Wide, high-grade intersections set to further boost economics of planned open pit

- Very wide, shallow, high grade copper intersected in first drilling undertaken over new lease (Lease) surrounding existing resource at Productora
- Latest results likely to have major impact on forthcoming resource up-grade and economics of open pit
- Two Reverse Circulation (RC) drill rigs operating in new Lease

## **Drill Results in New Lease at Productora**

196m grading 0.9% Copper Equivalent\* (0.7% copper, 0.2g/t gold, 128ppm molybdenum,

from 40m down-hole including 23m grading 2.1% Copper Equivalent\* (1.6% copper, 0.4g/t gold and 158ppm molybdenum

### 126m grading 0.9% Copper Equivalent\*

(**0.7% copper**, 0.2g/t gold, 169ppm molybdenum)

from 54m down-hole including 30m grading 1.5% Copper Equivalent\* (1.1% copper, 0.2g/t gold and 248ppm molybdenum

120m grading 0.9% Copper Equivalent\* (0.7% copper, 0.1g/t gold, 96ppm molybdenum)

from 60m down-hole including 20m grading 1.3% Copper Equivalent\* (1.0% copper, 0.2g/t gold and 186ppm molybdenum

149m grading 0.8% Copper Equivalent\* (0.6% copper, 0.2g/t gold, 141ppm molybdenum)

from 29m down-hole including 35m grading 1.2% Copper Equivalent\* (1.0% copper, 0.2g/t gold and 51ppm molybdenum

## ASX Code

HCH

#### Contact Mr Christian Fas

Mr Christian Easterday Managing Director

M: +61 409 64 1214 E: christian@hotchili.net.au

#### www.hotchili.net.au







Hot Chili (ASX: HCH) is pleased to announce that it has recorded its best drilling intersections yet at its Productora copper project in Chile.

The latest results are expected to underpin a significant resource upgrade for Productora in the fourth quarter of 2012 and provide a substantial boost to the economics of a planned 4km long central open pit, the centre piece of the Company's development plan at the project.

The wide, high-grade results were recorded in the first drilling to be undertaken over the last critical lease secured by Hot Chili in July. This Lease encircles the Company's existing central resource.

For the purpose of designing and forecasting economics, the new Lease had already been included in Hot Chili's current pit designs for the development layout at Productora. However, the widths and grades of the latest drilling results are significantly greater than those assumed for the purposes of this earlier work.

Importantly, a large number of the holes drilled on the new Lease have intersected a potentially large tonnage zone of the deposit which appears to host both high-grade copper and gold from surface.

In light of these outstanding results, Hot Chili has now brought forward drilling within the new Lease. Two RC drill rigs are currently expanding drill coverage around the newly identified high-value zone.

#### First Drilling in New Lease- best results recorded to date at Productora

On the 17<sup>th</sup> of July 2012, following over four year of consolidation efforts, Hot Chili announced that it had finally secured the last critical lease at Productora- Uranio 1 to 70.

The Uranio 1 to 70 lease lies within the centre of Hot Chili's flagship Productora copper project, forming an encircling landholding around the Company's existing JORC compliant central resource (85.1Mt grading 0.6% copper, 0.1g/t gold and 146ppm molybdenum). The Lease represents the last critical portion of the central resource development area to be consolidated at Productora and added a further 1.2km of strike length to the project as shown in Figure 1.

A first pass drilling programme, comprising a total of 10 RC holes commenced within the Lease approximately 4 weeks ago. The drilling aimed to provide early confirmation of mineralisation located by historical drilling undertaken by General Minerals (GMC) and Teck during the 1990's.

Results returned from this drilling have confirmed the presence of potential large tonnage, direct extensions to the north and south of the central area resource.

Importantly, drilling within the southern extent of the Lease has identified a new zone of very wide, shallow mineralisation with continuity confirmed over two lines of drilling separated by 80m in distance. Drilling in this area recorded four very wide intersections from shallow depths which all contained high-grade copper





and gold. The results contained in this zone are the widest and highest grade results recorded to date at Productora and importantly all lie within the companies planned central pit development as shown on Figure 1.

Hot Chili's assumed continuation of mineralisation in the new Lease had not considered such widths or grades prior to the commencement of drilling. It is considered that these first drill results are likely to have a major impact on in-pit resource additions at the project.

Figure 2 and 3 display the significant intersections recorded in the southern extent of the new Lease as two cross sections.

Hot Chili Chairman Murray Black said the latest results vindicated the Company's four-year push to secure the last critical leases at Productora.

"The receipt of such outstanding first drilling results from this area of the project is a great reward for over four years of efforts to consolidate the Productora landholding," Mr Black said.

"The results point to a substantial resource upgrade and a significant boost to the economics of Productora."

For more information please contact:

Christian Easterday

+61 8 9021 3033

Managing Director

Email: christian@hotchili.net.au

or visit Hot Chili's website at www.hotchili.net.au





Figure 1. New Significant Drilling Intersections in relation to the Central pit design and new Lease at Productora

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#### Figure 2. Cross Section 6820845mN within the Uranio 1 to 70 Lease at Productora







Figure 3. Cross Section 6820925mN within the Uranio 1 to 70 Lease at Productora





Hole_ID	ID Coordinates		Azim.	Dip	Intersection		Interval	Copper	Gold	Molybdenum	Copper Eq*
	North	East			From	То	(m)	(% Cu)	(g/t Au)	(ppm Mo)	(% Cu )
PRP0375	6820903	323049	87.46	-58.58	0	13	13	0.4	0.1	66	0.5
					23	36	13	0.5	0.2	239	0.8
					54	180	126	0.7	0.2	169	0.9
				including	57	65	8	2.1	0.4	322	2.6
				including	87	117	30	1.1	0.2	248	1.5
PRP0382	6820925	322980	92.19	-59.3	60	180	120	0.7	0.1	96	0.8
				including	160	180	20	1.0	0.2	186	1.3
					200	230	30	0.5	0.1	97	0.7
PRP0385	6820845	322973	83.14	-59.3	40	236	196	0.7	0.2	111	0.9
				including	68	91	23	1.6	0.4	158	2.1
				including	106	126	20	1.3	0.3	173	1.6
PRP0388	6820844	323053	84.86	-61.2	108	134	26	0.4	0.1	30	0.4
					154	201	47	0.6	0.1	158	0.8
PRP0390	6820924	323138	79.16	-59.72	102	116	14	0.4	0.1	195	0.6
					161	169	8	0.5	0.1	89	0.7
					254	258	4	0.6	0.2	139	0.8
PRP0392	6820924	323058	64.66	-59.42	29	178	149	0.6	0.2	141	0.8
				including	72	107	35	1.0	0.2	101	1.2
					186	192	6	0.3	0.1	51	0.4
					208	214	6	0.7	0.1	31	0.9
PRP0395	6822700	323620	90.18	-59.46	174	215	41	0.4	0.1	174	0.6
PRP0397	6822700	323660	70.25	-59.67	10	318	308	0.3	0.1	110	0.5
				including	10	56	46	0.4	0.2	46	0.5
				including	63	81	18	0.4	0.1	41	0.5
				including	95	109	14	0.3	0.1	177	0.5
				including	118	136	18	0.4	0.2	181	0.6
				including	146	163	17	0.7	0.2	325	1.1
				including	169	184	15	0.4	0.1	86	0.5
				including	194	211	17	0.5	0.1	164	0.8
				including	221	232	11	0.4	0.1	166	0.6
				including	239	267	28	0.5	0.1	201	0.7
				including	277	303	26	0.4	0.1	110	0.6
				including	312	318	6	0.6	0.1	365	0.9

#### Productora Project- New Significant Drilling Intersections





#### Notes to Significant Drilling Intersections (Previous page):

- All drill holes with pre-fix "PRP" are reverse circulation (RC) and all drill holes with suffix "D" are diamond holes.
- Results comprise ICP analysis (ME-ICP61) of all 1m whole core samples (D); 1m selective cone split samples (RC) and 4m composite samples (RC).
- Priority AAS analysis (CU-AA62 ore grade analysis) results were utilised where analysis was undertaken for copper results greater than 1.0%.
- Priority MS analysis (ME-MS61) results were utilised where analysis was undertaken for uranium results greater than 50ppm.
- Gold analysis only undertaken over copper results greater than 0.2%. All gold results comprise ICP analysis (Au-ICP21). Gold significant intersections may in some instances represent the average of gold results within the zone of intersection. In these instances generally gold analysis has been undertaken over 90 percent of the samples taken within the length of the intersection.
- All results were analysed by ALS Chemex (La Serena) laboratories.





#### \* Copper Equivalent Calculation

Copper Equivalent (also Cu Eq\*) Calculation represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result. However it is the Company's opinion that elements considered here have a reasonable potential to be recovered as evidenced in similar multi-commodity natured mines elsewhere in the world. Copper equivalent conversion factors and long-term price assumptions used follow:

Copper Equivalent Formula= Cu % + Mo(ppm)x0.0008 + Au(ppm)x0.6832 Price Assumptions- Cu (US\$1.80/lb), Mo (US\$15/lb), Au (US\$850/oz) Target Mineralisation

References to exploration target size and target mineralisation in this announcement are conceptual in nature and should not be construed as indicating the existence of a JORC Code compliant mineral resource. Target mineralisation is based on projections of established grade ranges over appropriate widths and strike lengths having regard for geological considerations including mineralisation style, specific gravity and expected mineralisation continuity as determined by qualified geological assessment. There is insufficient information to establish whether further exploration will result in the determination of a mineral resource within the meaning of the JORC Code

Category	Tonnage		Gra	de(>0.3%Cu)		ContainedMetal(>0.3%Cu)				
	(Mt)	Copper	Gold	Molybdenum	Copper Eq*	Copper	Gold	Molybdenum	Copper Eq*	
		%	(g/t)	(g/t)	%	(Kt)	(KOz)	(Tonnes)	(Kt)	
Indicated	31.1	0.6	0.1	159	0.8	185	110	4,942	248	
Inferred	54.0	0.6	0.1	138	0.7	298	180	7,476	395	
Total	85.1	0.6	0.1	146	0.8	483	290	12,418	644	

#### JORC Compliant Resource Statement- Reported 7<sup>th</sup> September 2011

Note: Figures in the above table are rounded to one significant figure in accordance with Australian JORC code 2004 guidance on mineral resource reporting.

#### **Competent Person's Statement- Exploration Reporting**

Information in this announcement that relates to exploration results and mineralisation is based on information compiled by Mr Christian Easterday, a Director, who is a Member of The Australian Institute of Geoscientists. Mr Easterday 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' (the JORC Code). Mr Easterday consents to the inclusion in this presentation of the statements based on his information in the form and context in which they appear.

#### **Competent Person's Statement- Resource Reporting**

Information in this announcement relating to mineral resources is based on information compiled by Mr. Alfred Gillman, a Fellow of the Australian Institute of Mining and Metallurgy (CP). Mr. Gillman is an independent resource consultant and 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 Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code 2004). Mr. Gillman consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.