

**Hot Chili Limited**

ACN 130 955 725

First Floor, 768 Canning Highway, Applecross, Western Australia 6153

PO Box 1725, Applecross, Western Australia 6953

**P:** +61 8 9315 9009

**F:** +61 8 9315 5004

**[www.hotchili.net.au](http://www.hotchili.net.au)**



30th September 2021

The Companies Officer  
Australian Securities Exchange Ltd  
Central Park,  
152-158 St Georges Terrace,  
Perth WA 6000

Dear Sir

**HOT CHILI LTD MINERAL RESOURCE AND ORE RESERVE STATEMENT AS AT 30th JUNE 2021**

Copper, Gold and Molybdenum Mineral Resources and Ore Reserves for Hot Chili Ltd (ASX:HCH), as at 30th June 2021, are reported in accordance with the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, December 2012 (the JORC Code) as required by the Australian Securities Exchange.

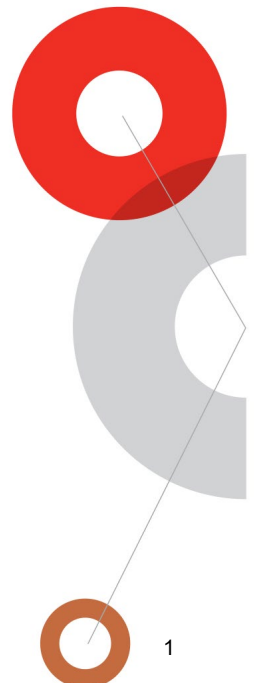
The enclosed Annual Review of the Ore Reserves and Mineral Resources will be included in the Hot Chili 2021 Annual Report.

Yours sincerely,

**Christian Easterday**

Managing Director

Hot Chili Limited





## **2021 Annual Review – Mineral Resources and Ore Reserves**

This document outlines the Annual Review of Hot Chili Limited (Hot Chili or HCH) Mineral Resources and Ore Reserves (MROR) as at 30th June 2021. All Mineral Resource and Ore Reserve estimates are reported in accordance with the JORC 2012 standard and are based on, and fairly represent, information and supporting documentation prepared and approved by competent persons.

The commodities for this review include copper (Cu), gold (Au) and molybdenum (Mo). Tonnage and quality information contained in the following tables has been rounded and as a result the figures may not add up to the totals quoted.

While Hot Chili does not have a dedicated governance group, the Mineral Resource and Ore Reserve estimation processes followed internally are well established and are subject to systematic internal peer review. Independent technical reviews and audits are undertaken during estimation and signoff, and on an as-required basis.

There were material changes to Hot Chili's Mineral Resources and Ore Reserves between the 1st July 2020 and the 30th June 2021 (the period covered by the company's annual report). These changes are entirely related to reporting of the maiden Cortadera Mineral Resource Estimation on 12th October 2020.

There were no material changes to Hot Chili's Mineral Resource and Ore Reserve estimates during the period between the end of the annual reporting date (30th June 2021) and the date of the MROR review (15th September 2021).

**Kirsty Sheerin**  
Resource Development Manager  
Hot Chili Limited  
30<sup>th</sup> September 2021





## Productora Project

### Tenements

The Productora Project is 100% owned by a Chilean incorporated company named Sociedad Minera El Aguila SpA (SMEA). SMEA is a Joint Venture company, 80% owned by Sociedad Minera El Corazón Limitada (a 100% subsidiary of Hot Chili Limited), and 20% owned by CMP Productora (a 100% subsidiary of Compañía Minera del Pacífico S.A (CMP).

The Joint Venture agreement provided access to key infrastructure as well as securing an experienced major Chilean partner with substantial operational, financial and development capability. CMP previously had an Option to increase its stake in Productora to 50.1% following completion of the Definitive Feasibility Study (DFS). However, in March 2016 Hot Chili completed the Productora PFS and CMP did not elect at the time to exercise its Option. Hot Chili has since repaid CMP the Option fee and CMP has accepted the payment, removing all requirements over Productora.

There were no tenement changes that had a material impact on the Mineral Resources or Ore Reserves during the reporting period.

### Mining Activity

In the 12 months to 30th June 2021, the Joint Venture between SMEA and CMP saw small scale underground production take place at Productora. This production constituted less than 1% of the tonnes publicly reported as Productora Indicated Resources, and there has been no depletion of the publicly reported Productora Mineral Resource or Ore Reserves.

### Mineral Resources

There were no material changes to the Productora Project Mineral Resources (which includes the Productora and Alice projects) between 1st July 2020 and 30th June 2021. The current Mineral Resource estimate was publicly released on 2nd March 2016. However, this Productora Mineral Resource was restated on 12th October 2021 at a CuEq (%) cut off rather than a Cu (%) cut off, as part of the Costa Fuego Combined Resource, which includes Productora and the Cortadera Mineral Resource Estimates.

A comparison between reporting periods is provided below.

Productora Project Mineral Resource at 30th June, 2020*												
Classification	Tonnes		Grade					Contained Metal				
	Classification	(millions)	CuEq %	Cu %	Au g/t	Ag g/t	Mo ppm	Copper Eq (tonnes)	Copper (tonnes)	Gold (ounces)	Silver (ounces)	Molybdenum (tonnes)
Productora deposit	Indicated	182		0.49	0.10		142		900,000	610,000		25,800
	Inferred	55		0.42	0.08		109		228,000	136,000		6,000
	Total	237		0.47	0.10		134		1,128,000	746,000		31,800
Productora Project Mineral Resource at 30th June, 2021**												
Classification	Tonnes		Grade					Contained Metal				
	Classification	(millions)	CuEq %	Cu %	Au g/t	Ag g/t	Mo ppm	Copper Eq (tonnes)	Copper (tonnes)	Gold (ounces)	Silver (ounces)	Molybdenum (tonnes)
Productora deposit	Indicated	208	0.54	0.46	0.10		140	1,122,000	960,000	643,000		29,200
	Inferred	67	0.44	0.38	0.08		109	295,000	255,000	167,000		7,200
	Total	273	0.52	0.44	0.09		133	1,417,000	1,215,000	810,000		36,400

\*Resource reported at or above 0.25% Cu

\*\*Reported at or above 0.25% CuEq\*. Figures in the above table are rounded, reported to appropriate significant figures, and reported in accordance with the JORC Code - Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Metal rounded to nearest thousand, or if less, to the nearest hundred. \* \* Copper Equivalent (CuEq) reported for the resource were calculated using the following formula:  $CuEq\% = ((Cu\% \times Cu \text{ price } 1\% \text{ per tonne} \times Cu\_recovery) + (Mo \text{ ppm} \times Mo \text{ price per g/t} \times Mo\_recovery) + (Au \text{ ppm} \times Au \text{ price per g/t} \times Au\_recovery) + (Ag \text{ ppm} \times Ag \text{ price per g/t} \times Ag\_recovery)) / (Cu \text{ price } 1\% \text{ per tonne})$ . The Metal Prices applied in the calculation were: Cu=3.00 USD/lb, Au=1,550 USD/oz, Mo=12 USD/lb, and Ag=18 USD/oz. For Productora (Inferred + Indicated), the average Metallurgical Recoveries were: Cu=83%, Au=43% and Mo=42%.



## Ore Reserves

There were no material changes to the Productora Project Ore Reserve between 1<sup>st</sup> July 2020 and 30<sup>th</sup> June 2021. The current Ore Reserve estimate was released to the public on the 2nd March 2016.

A comparison between reporting periods is provided below.

Productora Project Ore Reserve at 30th June, 2020*											
Ore Type	Classification	Tonnes (millions)	Grade			Contained Metal			Payable Metal		
			Cu %	Au g/t	Mo ppm	Copper (tonnes)	Gold (ounces)	Molybdenum (tonnes)	Copper (tonnes)	Gold (ounces)	Molybdenum (tonnes)
Oxide	Probable	24.1	0.43	0.08	49	103,000	59,600	1,200	55,600	-	-
Transitional		20.5	0.45	0.08	92	91,300	54,700	1,900	61,500	24,400	800
Fresh		122.4	0.43	0.09	163	522,500	356,400	20,000	445,800	167,500	10,400
Total	Probable	166.9	0.43	0.09	138	716,800	470,700	23,100	562,900	191,900	11,200
Productora Project Ore Reserve at 30th June, 2021											
Ore Type	Classification	Tonnes (millions)	Grade			Contained Metal			Payable Metal		
			Cu %	Au g/t	Mo ppm	Copper (tonnes)	Gold (ounces)	Molybdenum (tonnes)	Copper (tonnes)	Gold (ounces)	Molybdenum (tonnes)
Oxide	Probable	24.1	0.43	0.08	49	103,000	59,600	1,200	55,600	-	-
Transitional		20.5	0.45	0.08	92	91,300	54,700	1,900	61,500	24,400	800
Fresh		122.4	0.43	0.09	163	522,500	356,400	20,000	445,800	167,500	10,400
Total	Probable	166.9	0.43	0.09	138	716,800	470,700	23,100	562,900	191,900	11,200

\*Announced 2nd March, 2016. Reserve includes material from Alice and Productora deposits.

\*\*Price assumptions for 2016 Reserve: Cu price - US\$3.00/lb; Au price US\$1200/oz; Mo price US\$14.00/lb. Mill average recoveries for fresh Cu - 89%, Au - 52%, Mo - 53%. Mill average recovery for transitional; Cu - 70%, Au - 50%, Mo - 46%. Heap Leach average recovery for oxide; Cu - 54%. Payability factors for metal contained in concentrate: Cu - 96%, Au - 90% and Mo - 98%. Payability for Cu cathode - 100%.

\*Announced 2nd March, 2016. Reserve includes material from Alice and Productora deposits.

\*\*\*Price assumptions for 2016 Reserve: Cu price - US\$3.00/lb; Au price US\$1200/oz; Mo price US\$14.00/lb. Mill average recoveries for fresh Cu - 89%, Au - 52%, Mo - 53%. Mill average recovery for transitional; Cu - 70%, Au - 50%, Mo - 46%. Heap Leach average recovery for oxide; Cu - 54%. Payability factors for metal contained in concentrate: Cu - 96%, Au - 90% and Mo - 98%. Payability for Cu cathode - 100%.

## Competent Person's Statement

### Mineral Resources – Productora

The information in this report that relates to the 2016 Productora Project Mineral Resource Estimates is based on information compiled by Mr N Ingvar Kirchner. Mr Kirchner is employed by AMC Consultants (AMC). Mr Kirchner was engaged on a fee for service basis to provide independent technical advice and final audit for the 2016 Productora Resource Estimates. Mr Kirchner is a Fellow of the AusIMM and is a Member of the AIG. Mr Kirchner has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting Exploration Results, Mineral Resource and Ore Reserves' (the JORC Code, 2012 edition). Mr Kirchner consents to the inclusion in this report of the matter based on his information in the form and context in which it appears.

### Ore Reserves – Productora

The information in this report that relates to the 2016 Productora Project Ore Reserves is based on information by Mr Carlos Guzmán, Mr Boris Caro, Dr Leon Lorenzen and Mr Grant King. Mr Guzmán is a Fellow of the AusIMM and a Registered Member of the Chilean Mining Commission (RM – a 'Recognised Professional Organisation' within the meaning of the JORC Code 2012) and a full-time employee of NCL Ingeniería y Construcción SpA. Mr Caro is a former employee of Hot Chili Ltd, and is a Member of the AusIMM and a Registered Member of the Chilean Mining Commission (RM – a 'Recognised Professional Organisation' within the meaning of the JORC Code 2012). Dr Lorenzen is a full time employee of Mintrex Pty Ltd and is a Chartered Professional Engineer, Fellow of Engineers Australia and Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM).



NCL, Mintrex and Amec Foster Wheeler (now Wood PLC) were engaged on a fee-for-service basis to provide independent technical advice and final audit for the 2016 Productora Project Ore Reserve estimate. Mr Guzmán, Mr Caro, Dr Lorenzen and Mr King have sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting Exploration Results, Mineral Resource and Ore Reserves' (the JORC Code, 2012 edition). Mr Guzmán, Mr Caro, Dr Lorenzen and Mr King consent to the inclusion in this report of the matter based on their information in the form and context in which it appears.

## Cortadera Project

### Tenements

Hot Chili owns the Cortadera Project through its 100% subsidiary company Frontera SpA. Hot Chili controls an area measuring approximately 12.5 km north-south by 5 km east-west at the project through various 100% purchase option agreements with private land holders.

There were no tenement changes that had a material impact on the Mineral Resources during the reporting period.

### Mining Activity

There were no mining activities in the 12 months to 30th June 2021. There has been no depletion of the current publicly reported Mineral Resource.

### Mineral Resources

There was a material change of 451 Mt for the Cortadera Project Mineral Resources between 1st July 2020 and 30th June 2021. The maiden and current Mineral Resource was publicly released on 12th October 2020 and can be found in the table below.

Cortadera Project Mineral Resource at 30th June, 2021*												
		Tonnes	Grade					Contained Metal				
Classification	Classification	(millions)	CuEQ %	Cu %	Au g/t	Ag g/t	Mo ppm	Copper Eq (tonnes)	Copper (tonnes)	Gold (ounces)	Silver (ounces)	Molybdenum (tonnes)
Cortadera deposit	Indicated	183	0.49	0.40	0.15	0.70	43	905,000	728,000	889,000	4,227,000	7,900
	Inferred	267	0.44	0.35	0.12	0.70	73	1,181,000	935,000	1,022,000	5,633,000	19,400
	Total	451	0.46	0.37	0.13	0.70	61	2,086,000	1,663,000	1,911,000	9,860,000	27,300

Reported at or above 0.25% CuEq\*. Figures in the above table are rounded, reported to appropriate significant figures, and reported in accordance with the JORC Code - Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Metal rounded to nearest thousand, or if less, to the nearest hundred. \* \* Copper Equivalent (CuEq) reported for the resource were calculated using the following formula::  $CuEq\% = ((Cu\% \times Cu \text{ price } 1\% \text{ per tonne} \times Cu\_recovery) + (Mo \text{ ppm} \times Mo \text{ price per g/t} \times Mo\_recovery) + (Au \text{ ppm} \times Au \text{ price per g/t} \times Au\_recovery) + (Ag \text{ ppm} \times Ag \text{ price per g/t} \times Ag\_recovery)) / (Cu \text{ price } 1\% \text{ per tonne})$ . The Metal Prices applied in the calculation were: Cu=3.00 USD/lb, Au=1,550 USD/oz, Mo=12 USD/lb, and Ag=18 USD/oz. For Cortadera (Inferred + Indicated), the average Metallurgical Recoveries were: Cu=83%, Au=56%, Mo=82%, and Ag=37%.

**Hot Chili Limited**

ACN 130 955 725

First Floor, 768 Canning Highway, Applecross, Western Australia 6153

PO Box 1725, Applecross, Western Australia 6953

**P:** +61 8 9315 9009

**F:** +61 8 9315 5004

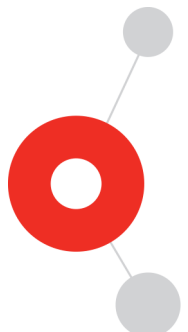
[www.hotchili.net.au](http://www.hotchili.net.au)



## Competent Person's Statement

### Mineral Resources – Cortadera

The information in this report that relates to Mineral Resources for the Cortadera Project is based on information compiled by Elizabeth Haren, a Competent Person who is a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Elizabeth Haren is employed as an associate Principal Geologist of Wood, who was engaged by Hot Chili Limited. Elizabeth Haren has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Elizabeth Haren consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.





## Appendix I.

### Hot Chili tenement holding at the Productora Project, tenement ownership, and type

License ID	HCH % Held	Area (ha)	Exploration and Expenditure Commitment-Payments
FRAN 1, 1-60	80% SMEA SpA	220	
FRAN 2, 1-20	80% SMEA SpA	100	
FRAN 3, 1-20	80% SMEA SpA	100	
FRAN 4, 1-20	80% SMEA SpA	100	
FRAN 5, 1-20	80% SMEA SpA	100	
FRAN 6, 1-26	80% SMEA SpA	130	
FRAN 7, 1-37	80% SMEA SpA	176	
FRAN 8, 1-30	80% SMEA SpA	120	
FRAN 12, 1-40	80% SMEA SpA	200	
FRAN 13, 1-40	80% SMEA SpA	200	
FRAN 14, 1-40	80% SMEA SpA	200	
FRAN 15, 1-60	80% SMEA SpA	300	
FRAN 18, 1-60	80% SMEA SpA	273	
FRAN 21, 1-46	80% SMEA SpA	226	
ALGA 7A, 1-32	80% SMEA SpA	89	
ALGA VI, 5-24	80% SMEA SpA	66	
MONTOSA 1-4	80% SMEA SpA	35	NSR 3%
CHICA	80% SMEA SpA	1	
ESPERANZA 1-5	80% SMEA SpA	11	
LEONA 2A 1-4	80% SMEA SpA	10	
CARMEN I, 1-50	80% SMEA SpA	222	
CARMEN II, 1-60	80% SMEA SpA	274	
ZAPA 1, 1-10	80% SMEA SpA	100	
ZAPA 3, 1-23	80% SMEA SpA	92	
ZAPA 5A, 1-16	80% SMEA SpA	80	
ZAPA 7, 1-24	80% SMEA SpA	120	
CABRITO, CABRITO 1-9	80% SMEA SpA	50	
CUENCA A, 1-51	80% SMEA SpA	255	
CUENCA B, 1-28	80% SMEA SpA	139	
CUENCA C, 1-51	80% SMEA SpA	255	
CUENCA D	80% SMEA SpA	3	
CUENCA E	80% SMEA SpA	1	
CHOAPA 1-10	80% SMEA SpA	50	
ELQUI 1-14	80% SMEA SpA	61	
LIMARÍ 1-15	80% SMEA SpA	66	
LOA 1-6	80% SMEA SpA	30	
MAIPO 1-10	80% SMEA SpA	50	
TOLTÉN 1-14	80% SMEA SpA	70	
CACHIYUYITO 1, 1-20	80% SMEA SpA	100	
CACHIYUYITO 2, 1-60	80% SMEA SpA	300	
CACHIYUYITO 3, 1-60	80% SMEA SpA	300	
LA PRODUCTORA 1-16	80% SMEA SpA	75	



ORO INDIO 1A, 1-20	80% SMEA SpA	82	
AURO HUASCO I, 1-8	80% SMEA SpA	35	
URANIO, 1-70	0%	350	Lease agreement US\$250,000 per Yr (average for the 25 year term); plus 2% NSR all but gold; 4% NSR gold; 5% NSR non-metallic
JULI 9, 1-60	80% SMEA SpA	300	
JULI 10, 1-60	80% SMEA SpA	300	
JULI 11 1/60	80% SMEA SpA	300	
JULI 12 1/42	80% SMEA SpA	210	
JULI 13 1/20	80% SMEA SpA	100	
JULI 14 1/50	80% SMEA SpA	250	
JULI 15 1/55	80% SMEA SpA	275	
JULI 16, 1-60	80% SMEA SpA	300	
JULI 17, 1-20	80% SMEA SpA	100	
JULI 19	80% SMEA SpA	300	
JULI 20	80% SMEA SpA	300	
JULI 21 1/60	80% SMEA SpA	300	
JULI 22	80% SMEA SpA	300	
JULI 23 1/60	80% SMEA SpA	300	
JULI 24, 1-60	80% SMEA SpA	300	
JULI 25	80% SMEA SpA	300	
JULI 27 1/30	80% SMEA SpA	150	
JULI 27 B 1/10	80% SMEA SpA	50	
JULI 28 1/60	80% SMEA SpA	300	
JULIETA 5	80% SMEA SpA	200	
JULIETA 6	80% SMEA SpA	200	
JULIETA 7	80% SMEA SpA	100	
JULIETA 8	80% SMEA SpA	100	
JULIETA 9	80% SMEA SpA	100	
JULIETA 10 1/60	80% SMEA SpA	300	
JULIETA 11	80% SMEA SpA	300	
JULIETA 12	80% SMEA SpA	300	
JULIETA 13, 1-60	80% SMEA SpA	298	
JULIETA 14, 1-60	80% SMEA SpA	269	
JULIETA 15, 1-40	80% SMEA SpA	200	
JULIETA 16	80% SMEA SpA	200	
JULIETA 17	80% SMEA SpA	200	
JULIETA 18, 1-40	80% SMEA SpA	200	
ARENA 1 1-6	80% SMEA SpA	40	
ARENA 2 1-17	80% SMEA SpA	113	
ZAPA 1 - 6	80% SMEA SpA	6	NSR 1%

Notes SMEA SpA (Sociedad Minera El Aguila SpA) is a wholly owned Chilean subsidiary of Hot Chili Limited; CCHEN= Comisión Chilena de Energía Nuclear.





## Hot Chili tenement holding at the Cortadera Project, tenement ownership, and type

License ID	HCH % Held	HCH % Earning	Area (ha)	Agreement Type & %
MAGDALENITA 1/20		100% Frontera SpA	100	HCH 100% option earn in: US\$17 million already paid. Final payment of US\$15 million paid on 21 September 2021
ATACAMITA 1/82		100% Frontera SpA	82	
AMALIA 942 A 1/6		100% Frontera SpA	53	
PAULINA 10 B 1/16		100% Frontera SpA	136	
PAULINA 11 B 1/30		100% Frontera SpA	249	
PAULINA 12 B 1/30		100% Frontera SpA	294	
PAULINA 13 B 1/30		100% Frontera SpA	264	
PAULINA 14 B 1/30		100% Frontera SpA	265	
PAULINA 15 B 1/30		100% Frontera SpA	200	
PAULINA 22 A 1/30		100% Frontera SpA	300	
PAULINA 24 1/24		100% Frontera SpA	183	
PAULINA 25 A 1/19		100% Frontera SpA	156	
PAULINA 26 A 1/30		100% Frontera SpA	294	
PAULINA 27A 1/30		100% Frontera SpA	300	
CORTADERA 1 1/200		100% Frontera SpA	200	
CORTADERA 2 1/200		100% Frontera SpA	200	
CORTADERA 41		100% Frontera SpA	1	
CORTADERA 42		100% Frontera SpA	1	
LAS CANAS 16		100% Frontera SpA	1	
LAS CANAS 1/15		100% Frontera SpA	146	
CORTADERA 1/40		100% Frontera SpA	374	
LAS CANAS ESTE 2003 1/30		100% Frontera SpA	300	
CORROTEO 1 1/260		100% Frontera SpA	260	
CORROTEO 5 1/261		100% Frontera SpA	261	
ROMERO 1 al 31		100% Frontera SpA	31	90% Frontera SpA
PURISIMA		100% Frontera SpA	20	HCH 100% option earn in: US\$400,000 already paid. US\$1.1 million to be paid by 14th December 2021 NSR 1.5%

