



Resources and Reserves

MINERAL RESOURCE ESTIMATES

The Mineral Resources Estimates are reported in accordance with the guidelines of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). The estimates are reported at 31 December 2022.

BASE METALS			GRADE				CONTAINED METAL			
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag
Tritton	Measured	2,000	1.1	-	0.1	3	23	-	6	180
	Indicated	11,300	1.4	-	0.3	4	155	-	103	1,480
	Inferred	12,000	1.7	-	0.3	4	191	-	129	1,330
	Total	25,000	1.5	-	0.3	4	369	-	236	2,990
Jaguar	Measured	450	1.2	6.9	0.7	77	6	31	10	1,110
	Indicated	3,100	1.0	7.8	0.6	80	31	237	53	7,720
	Inferred	3,700	1.1	4.0	0.3	57	41	150	43	6,910
	Total	7,200	1.1	5.8	0.5	68	78	416	106	15,750
North Qld	Measured	600	3.0	-	0.5	-	18	-	11	-
	Indicated	1,600	2.3	-	0.2	3	36	-	12	140
	Inferred	870	2.0	-	0.2	2	17	-	4	60
	Total	3,060	2.3	-	0.3	2	72	-	26	200
Stockman	Measured	-	-	-	-	-	-	-	-	-
	Indicated	12,400	2.1	4.3	1.0	39	254	538	408	15,630
	Inferred	2,400	1.7	3.5	1.4	34	42	85	112	2,650
	Total	14,800	2.0	4.2	1.1	38	296	623	520	18,280
Grand Total	Measured	3,000	1.6	1.0	0.3	13	47	31	27	1,300
	Indicated	28,000	1.7	2.8	0.6	28	476	775	576	25,000
	Inferred	19,000	1.5	1.2	0.5	18	291	235	288	10,900
Grand Total	Total	50,000	1.6	2.1	0.6	23	814	1,041	891	37,200

GOLD			GRADE				CONTAINED METAL			
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag
Cracow	Measured	550	-	-	4.1	3	-	-	73	60
	Indicated	1,900	-	-	4.0	4	-	-	241	240
	Inferred	2,500	-	-	2.6	5	-	-	212	370
	Total	4,900	-	-	3.3	4	-	-	526	670

Notes:

1. Mineral Resource figures are reported using a variety of cut-off grades (copper or gold) or NSR calculation best suited to each deposit.
2. Discrepancy in summation may occur due to rounding.
3. Tritton Mineral Resource includes Constellation Mineral Resource update on 18 August 2022 and Kurrajong Mineral Resource on 4 April 2023.

ORE RESERVE ESTIMATES

The Group Ore Reserve Estimates take account of changes to the Mineral Resource base at individual deposits due to new drilling information, updated metal prices, changes to cut-off grades, mining depletion and changes to mine design. Ore Reserve Estimates are based on Mineral Resources classified as being either in the Measured or Indicated categories. The estimates are reported at 31 December 2022.

BASE METALS			GRADE				CONTAINED METAL			
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag
Tritton	Proved	450	1.3	-	0.1	3	6	-	1	40
	Probable	3,560	1.4	-	0.2	5	49	-	28	598
	Total	4,010	1.4	-	0.2	5	55	-	30	638
Jaguar	Proved	90	1.4	8.7	0.8	74	1	8	2	225
	Probable	1,060	1.5	8.3	0.6	45	16	87	21	1,534
	Total	1,150	1.5	8.3	0.6	48	17	95	23	1,759
North Qld	Proved	100	2.8	-	0.6	-	3	-	2	-
	Probable	290	2.3	-	0.4	-	7	-	3	-
	Total	390	2.4	-	0.4	-	9	-	5	-
Stockman	Proved	-	-	-	-	-	-	-	-	-
	Probable	9,640	1.9	4.3	1.0	36	183	413	318	11,409
	Total	9,640	1.9	4.3	1.0	36	183	413	318	11,409
Grand Total	Proved	640	1.6	1.3	0.3	13	10	8	5	265
	Probable	14,540	1.8	3.5	0.8	28	255	500	371	13,541
	Total	15,180	1.7	3.4	0.8	28	265	508	376	13,805

GOLD			GRADE				CONTAINED METAL			
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag
Cracow	Proved	230	-	-	3.7	-	-	-	27	-
	Probable	360	-	-	3.5	-	-	-	41	-
	Total	590	-	-	3.6	-	-	-	68	-

Notes:

- Ore Reserve figures are reported using a variety of cut-off criteria suitable for each deposit.
- Discrepancy in summation may occur due to rounding.

SUMMARY OF COMPETENT PERSONS FOR MINERAL RESOURCE AND ORE RESERVE ESTIMATES

ASSET	COMPETENT PERSON	QUALIFICATIONS	MEMBERSHIP
TRITTON OPERATIONS			
Mineral Resource			
Tritton	Angela Dimond	BSc (Hons)	MAusIMM
Murrawombie			
Budgerygar			
Avoca Tank			
Budgery			
Constellation	Brad Cox	BSc (Hons)	MAusIMM
Ore Reserve			
Tritton	Jan Coetzee	GDMin	MAusIMM
Avoca Tank			
Murrawombie U/G			
Budgerygar	Ian Sheppard	BEng	MAusIMM
Murrawombie O/P			
CRACOW OPERATIONS			
Mineral Resource			
Western Vein Field	Paul Napier	BSc	MAusIMM
Golden Plateau	Andrew Fowler	PhD	MAusIMM CP(Geo)
Ore Reserve			
Western Vein Field	Max McInnis	BEng	MAusIMM
JAGUAR OPERATIONS			
Mineral Resource			
Bentley	John Hamill	BSc (Hons)	MAusIMM
Triumph			
Teutonic Bore			
Ore Reserve			
Bentley	Benjamin James	BEng (Hons)	FAusIMM
NORTH QUEENSLAND COPPER OPERATIONS			
Mineral Resource			
Mt Colin	Andrew Fowler	PhD	MAusIMM CP(Geo)
Barbara (including LillyMay)	Brad Cox	BSc (Hons)	MAusIMM
Ore Reserve			
Mt Colin	Aaron Layt	BSc (Hons)	MAusIMM
STOCKMAN PROJECT			
Mineral Resource			
Stockman	Brad Cox	BSc (Hons)	MAusIMM
Ore Reserve			
Stockman	John McKinstry	BEng (Hons)	MAusIMM