

# MAIDEN JORC RESOURCE 529,000 OUNCES @ 6.81G/T GOLD EQUIVALENT - COPALQUIN DISTRICT, MEXICO

## **Highlights**

- A maiden JORC indicated and inferred mineral resource has been estimated for the first drill target area of El Refugio-La Soledad in the Copalquin District, Mexico
- 2,416,000 tonnes @ 4.80 g/t gold, 141 g/t silver for 373,000 oz gold plus 10,953,000 oz silver (Total 529,000 oz AuEq\*) using a cut-off grade of 2.0 g/t AuEq\*
- 28.6% of the resource tonnage is classified as indicated
- Copalquin is a district scale opportunity with El Refugio-La Soledad one of several drill targets
- Drilling is continuing at El Refugio-La Soledad including along strike from the recently announced hole CDH-094 with 18.67m @ 9.64 g/t gold, 278.8 g/t silver (5 Nov. 2021)

	Tonnes (kt)	Tonnes (kt)	Gold (g/t)	Silver (g/t)	Gold Equiv.* (g/t)	Gold (koz)	Silver (koz)	Gold Equiv.* (koz)
El Refugio	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,447	4.63	137.1	6.59	215	6,377	307
La Soledad	Indicated	-	-	-	-	-	-	-
	Inferred	278	4.12	228.2	7.38	37	2,037	66
Total	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,725	4.55	151.7	6.72	252	8,414	372
	TOTAL	2,416	4.80	141	6.81	373	10,953	529

Table 1 Mineral resource estimate El Refugio – La Soledad using a cut-off grade of 2.0 g/t AuEq\*

Mithril Resources Ltd (**ASX: MTH**) (**Mithril** or the **Company**) is pleased to release its maiden JORC mineral resource estimate for the first target area at its Copalquin Gold Silver District, Mexico.

## Mithril CEO and Managing Director, John Skeet, commented:

"This is an excellent result for our maiden mineral resource estimate (MRE) from the first 14 months of drilling in the Copalquin District with a single diamond core drill rig. The maiden MRE is robust and high-grade using a cut-off grade (2.0g/t AuEq\*) appropriate for underground mining, demonstrating the economic potential for our first target area in the district and advancing Mithril's goal to become a highly profitable gold-silver producer from high-grade resources. The data generated allows us to efficiently expand and infill the Refugio – La Soledad target, whilst continuing expansive exploration in the Copalquin district with its multiple gold-silver targets and historic mines. We look forward to updating this first MRE for the Copalquin District in 2022"

The maiden MRE for the El Refugio – La Soledad target area was completed by AMC Consultants and the full report is attached.

\*AuEq. = gold equivalent calculated using and gold:silver price ratio of 70:1. That is, 70 g/t silver = 1 g/t gold. The metal prices used to determine the 70:1 ratio are the cumulative average prices for 2021: gold USD1,798.34 and silver: USD25.32 (actual is 71:1) from kitco.com

Adrien Wing – Company Secretary

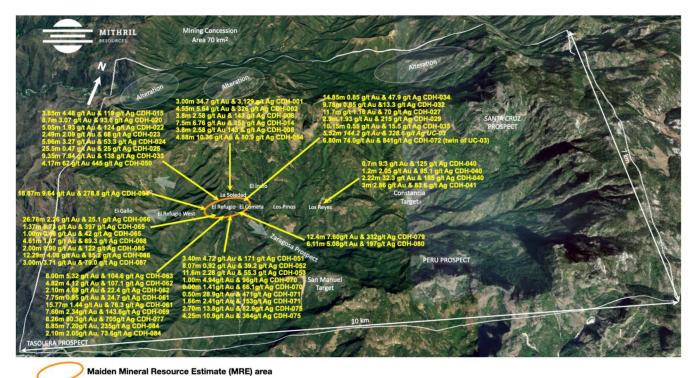


Figure 1 – Copalquin 70km² concession area showing highlight drill intercepts and the area of drilling for the maiden mineral resource estimate

## **WORK FOR REMAINDER OF 2021**

## Some of the main items for the remainder of 2021

- Extension of drill holes CDH-080 and 081 at the eastern side of El Refugio
- Follow up drilling of drill hole CDH-072 which intercepted 6.80m with 74.0 g/t gold and 841 g/t silver

in the Copalquin.

- Drilling at Refugio West to follow up drill hole CDH-094 with 18.67m @ 9.64 g/t gold, 278.8 g/t silver
- Mapping further west of El Refugio at El Gallo to develop this drill target for 2022
- Log and dispatch all drill core for assay before the Christmas break mid December 2021
- Drilling to resume early January 2022

## ABOUT THE COPALQUIN GOLD SILVER PROJECT

The Copalquin mining district is located in Durango State, Mexico and covers an entire mining district of 70km<sup>2</sup> containing several dozen historic gold and silver mines and workings, ten of which had notable production. The district is within the Sierra Madre Gold Silver Trend which extends north-south along the western side of Mexico and hosts many world-class gold and silver deposits.

Multiple mineralisation events, young intrusives thought to be system-driving heat sources, widespread alteration together with extensive surface vein exposures and dozens of historic mine workings, identify the Copalquin mining district as a major epithermal centre for Gold and Silver.

Mithril Resources is earning 100% interest in the Copalquin District mining concessions via a purchase option agreement detailed in ASX announcement dated 25 November 2019.



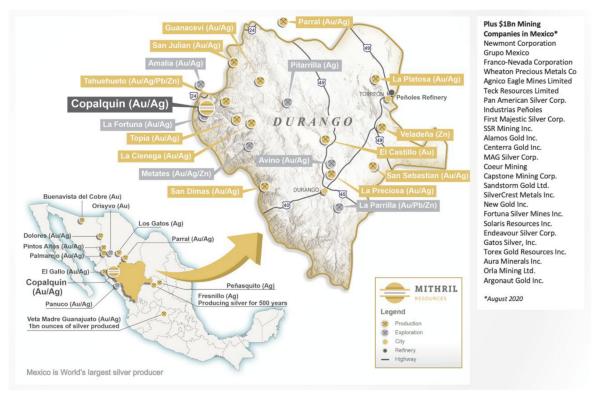


Figure 2 - Copalquin District location map with locations of mining and exploration activity within the state of Durango.

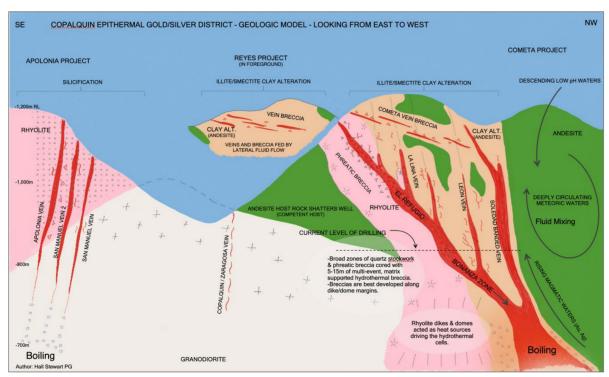


Figure 3 - Copalquin District Geologic Model for epithermal gold/silver - geologic model (author: Hall Stewart PG, Chief Geologist)



## Preliminary Concept for Mine Access - El Refugio

Deep high-grade intercepts such as in holes CDH-061, CDH-071 and CDH-077 bring mineralisation closer to potential access from a site with favourable logistics, taking advantage of the local topography. The CDH-077 'bonanza zone' can be reached by an exploration drift (adit) of approximately 750 metres long. Such a drift would allow access for the close-spaced sampling that will be necessary to bring the bonanza grade zone into higher confidence resource categories.

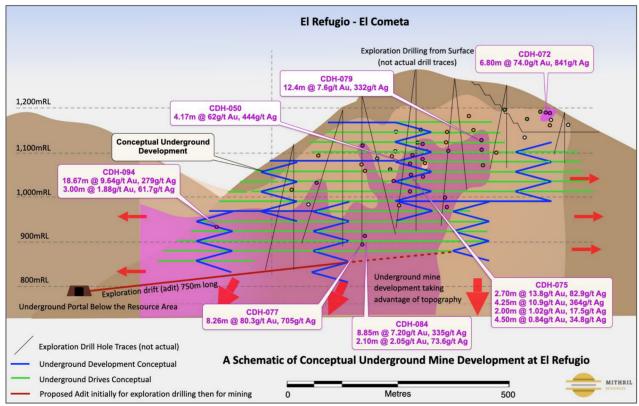


Figure 4 - Schematic showing an underground mine access concept for the El Refugio gold-silver deposit, Copalquin District, Mexico.

#### -ENDS-

Released with the authority of the Board.

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## **Competent Persons Statement**

The information in this report that relates to sampling techniques and data, exploration results and geological interpretation has been compiled by Mr Hall Stewart who is Mithril's Chief Geologist. Mr Stewart is a certified professional geologist of the American Institute of Professional Geologists. This is a Recognised Professional Organisation (RPO) under the Joint Ore Reserves Committee (JORC) Code.

Mr Stewart has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Stewart consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The information in this announcement that relates to Mineral Resources is reported by Mr Rodney Webster, Principal Geologist at AMC Consultants Pty Ltd (AMC), who is a Member of the Australasian Institute of Mining and Metallurgy. The report was peer reviewed by Andrew Proudman, Principal Consultant at AMC. Mr Webster is acting as the Competent Person, as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, for the reporting of the Mineral Resource estimate. A site visit was carried out by Jose Olmedo a geological consultant with AMC, in September 2021 to observe the drilling, logging, sampling and assay database.

The Australian Securities Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release.



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## Report

## Copalquin District - Maiden Mineral Resource Estimate Mithril Resources Ltd

AMC Project 121047 16 November 2021

## Executive summary

AMC Consultants Pty Ltd (AMC) was engaged in August 2021, by Mithril Resources Ltd (Mithril) to estimate the Mineral Resource for the El Refugio-La Soledad target area in the Copalquin District and report it according to JORC<sup>1</sup> Code (2012). The Copalquin District is located in the western Durango state of Mexico.

The Copalquin District is a typical low-sulfidation epithermal vein system hosted in volcanic rocks. Currently, approximately 91 holes have been drilled in the area defining a series of narrow gold vein mineralization.

Mr Rodney Webster, Principal Geologist at AMC, prepared this report. The report was peer reviewed by Andrew Proudman, Principal Consultant at AMC. Mr Webster is acting as the Competent Person for the reporting of the Mineral Resource estimate. A site visit was carried out by Jose Olmedo in September 2021 to observe the drilling, logging, sampling and assay database.

A total of 91 holes have been drilled in the area. Seven veins as Surpac software wireframes were provided by Mithril to model the gold and silver mineralization as follows:

- Lina
- Refugio\_2
- Refugio\_3
- Refugio\_main
- Leon
- Soledad main
- Soledad\_mid

In AMC opinion, based on the QAQC results for blanks, laboratory duplicates and CRMs, the assay values are suitable for estimating and reporting of the Mineral Resources according to the JORC Code.

Based on the data provided a constant value of 2.56 t/m³ was used for the bulk density for Mineral Resource estimation for all mineralization.

Block gold and silver grades were estimated using ordinary kriging with discretization of  $5 E \times 5 N \times 5 RL$  points. Due to the limited sample data within each separate wireframe, semi-variogram analysis and search parameters were based on the results for Refugio\_main for Refugio\_main, Refugio\_2 and Refugio\_3. Soledad\_main variogram and search parameters were used for Soledad\_main, Soledad\_mid, Leon and Lina samples

The estimated Mineral Resources above a 2 g/t AuEq cut-off and outside the areas of previous mining is shown in Table 1. Refugio Mineral Resources include Refugio\_main, Refugio\_2 and Refugio\_3 modelled veins whilst Soledad includes Soledad\_main, Soledad\_mid, Leon and Lina modelled veins.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 i Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

Table 1 Mineral Resource above 2 g/t AuEq cut-off

		Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t)	Au (koz)	Ag (koz)	AuEq (koz)
Refugio	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,447	4.63	137.1	6.59	215	6,377	307
Soledad	Indicated	0	0.00	0.0	0.00	0	0	0
	Inferred	278	4.12	228.2	7.38	37	2,037	66
Total	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,725	4.55	151.7	6.72	252	8,414	372
	Total	2,416	4.80	141	6.81	373	10,953	529

Notes: 1. JORC Code (2012) used Mineral Resource classifications.

- 2. Totals may not compute exactly due to rounding.
- 3. AuEq=Au+Ag/70 based on assumed prices of Au US\$1798.34/oz and Ag US\$25.32/oz.
- 4. Areas of previous mining has been removed
- 5. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

The block model grades were compared to the drillhole sample data along cross sections and long-sections. Good correlation was noted. Swath plots were prepared for the gold and silver block grades compared to the drillhole sample grades. These showed good correlation.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 ii Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## Quality control

The signing of this statement confirms this report has been prepared and checked in accordance with the AMC Peer Review Process.

Project Manager

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Rod Webster

16 November 2021

Peer Reviewer

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Andrew Proudman

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Author

Important information about this report

**Rod Webster** 

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16 November 2021

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<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 ii Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

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<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>iν</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

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## **Distribution list**

1 e-copy to Mithril Resources Ltd 1 e-copy to AMC Consultants Pty Ltd

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<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 Vi Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 1 Introduction

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## 2 Scope of work

The scope of work as listed in the AMC proposal number MP21063 and carried out is:

- Undertake a site visit.
- Load and check drill data.
- Review the geological interpretation provided.
- Review the three-dimensional interpretation wireframes for gold and silver mineralisation.
- Undertake statistical and geostatistical analysis for gold and silver.
- Determine requirement for use of top-caps.
- Determine a resource estimation method and prepare a block model.
- Estimate block grades into the model.
- Classify the Mineral Resource estimation according to the JORC Code, if applicable.
- Review bulk density data by lithology and mineralisation.
- Check the resource model using visual checks and comparisons with input data.
- Analyse and report on quality assurance/quality control (QA/QC) data.
- Update Table 1 Sections 1 and 2, generate Section 3.
- Prepare a report.

## 3 Data Provided

Mithril provided AMC with the following:

- Drillhole collars, downhole surveys, assays, lithologies and bulk density values.
- Assay sample quality assurance quality control (QAQC) data.
- Surpac software wireframes for seven veins:
  - Lina
  - Refugio\_2
  - Refugio\_3
  - Refugo \_main
  - Leon
  - Soledad\_main
  - Soledad\_mid
- Topographic surface as dxf file.
- A series of geological reports.
- Wireframes outlining areas mined in dxf format for:
  - Cometa\_all
  - Refugio\_all
  - Reyes\_all
  - San\_Manuel\_all
  - Soledad\_all
- Strings outlining the tenements for:
  - Copalquin\_UTMWGS84
  - EL Cometa\_UTMWS84
  - El Corral\_UTMWGS84
  - EL Sol\_UTMWGS84
  - San Manuel\_UTMWGS84
  - Soledad\_observed\_UTMWGS84

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>3</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 4 Geology

The following geology description was taken from H. Stewart internal company (Mithril) memo dated February 2021:

The Copalquin District lies within the Sierra Madre Occidental physiographic province of north-western Mexico. The project is underlain by andesitic volcanics of the Cretaceous-Tertiary Lower Volcanic Series. A Tertiary granodiorite to monzonite pluton intrudes the andesite and much of the area is capped by Tertiary (Miocene) rhyolite ignimbrites of the Upper Volcanic Series. Mineralization is thought to be contemporaneous with the eruption of the Upper Volcanic Series and related sub-volcanic intrusions.

Semi-continuous low-angle breccia zones have formed within the andesite parallel to the granodiorite contact. These zones include the El Cometa breccia and the Los Reyes breccia. The geometry of these zones is similar to the nearby El Gallo silver deposit of McEwen Mining which is also formed in a series of breccias parallel to the contact between intrusive rocks and Lower Volcanic Series andesite. A series of high angle normal faults strikes northwest and dips to the northeast including the Refugio, La Lina, El Leon and Soledad structures which host veins mineralized with gold and silver. North-south striking, steeply dipping dipping faults at San Manuel also host mineralized veins.

Both the low-angle breccias and the high-angle faults host extensive zones of mineralized quartz breccia.

It is likely that the low angle zones developed as tectonic breccias during the intrusion of the granodiorite and were later mineralized by hydrothermal activity related to the eruption of the Upper Volcanic Series. There are a series of rhyolite domes and dikes that intrude the lower volcanic series aligned along an east-west trend at least 5000 meters long from Los Gallos in the west to San Antonio in the east. These subvolcanic intrusions are spatially adjacent to the mineralized veins and are thought to have been the heat sources that drove the circulating hydrothermal cells. Large areas of argillic alteration occur across the concessions. The alteration forms haloes adjacent to the known structures and large zones where structures have not been identified. Argillic alteration is indicative of widespread penetration of hydrothermal fluids into the surrounding rocks and suggests a long-lived hydrothermal system was active at Copalquin.

Vein textures and mineralogy are consistent with low sulfidation epithermal veins developed from low salinity, near-neutral pH fluids dominated by meteoric water. Pulses of magmatic waters transported gold and silver into the hydrothermal system and the processes of fluid mixing, boiling and cooling were triggers for deposition of the precious metals. Veins are filled with quartz as both early crystalline quartz and later crustiform bands of alternating chalcedony, finely crystalline quartz, carbonate minerals (ankerite, kutnahorite, rhodocrosite and calcite) and adularia. Quartz after platy calcite is absent or rare suggesting that boiling was a less important process than fluid mixing. Mineralized zones have silver sulfides and sulfosalts present as black bands up to 8 mm wide and as disseminated aggregates. Visible gold in flecks up to 2 mm occurs in several drill holes in both the Refugio and Soledad veins.

The alteration from Refugio to Los Reyes is over 2,000 meters long and from 100 to 400 meters wide. Similar alteration is observed a further 2000 meters west at Los Gallos. It is expected that the widest zones are related to shallow-dipping portions of the Cometa-Los Reyes structures where the structure is nearer the outcrop surface. Similar alteration is present well to the west at El Platano and well to the east at Constancia. It cannot be stressed enough that this strong, widespread argillic alteration forming a large-volume halo well out from the veins is the observable geologic characteristic that identifies Copalquin as a major epithermal center.

## 5 Drilling

The drillhole data was provided as the following files:

- 2021\_08\_24\_DHDensity.xlsx
- 2021\_11\_08\_DHCollars.xlsx
- 2021-11\_08\_DHSurveys.xlsx
- 2021\_1108\_Copalquin \_DH\_Geology.xlsx
- 2021\_9\_5\_DH Assays\_orig.xls
- 2021\_09\_05\_DHGeotech.xls

A total of 91 holes have been drilled in the area. The location of the holes used in the Mineral Resource estimation is shown in Figure 5.1

Figure 5.1 Location of drillholes

## 5.1 Sample statistics

The drillholes were sampled for gold and silver mainly on  $1\,\mathrm{m}$  intervals. Figure 5.2 shows a histogram of the sample lengths. The samples were composited to  $1\,\mathrm{m}$  for block grade estimation.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 5 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

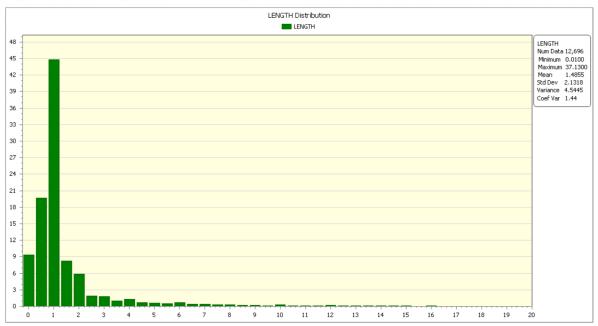


Figure 5.2 Histogram of sample lengths

The area was divided into seven veins for Mineral Resource estimation. Mithril provided wireframes for the following veins to be used in the deposit modelling and resource estimation:

- Lina
- Refugio\_2
- Refugio\_3
- Refugo\_main
- Leon
- Soledad\_main
- Soledad\_mid

## 5.2 Lina Vein

The location of the Lina wireframe and drillhole samples located within the wireframe are shown in Figure 5.3.

The samples within the Lina vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, no top-capping was applied. Table 5.1 shows the sample statistics for the raw assays and 1 m composited assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>6</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.
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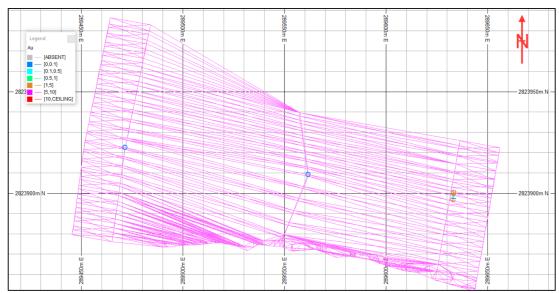


Figure 5.3 Location of Lina Vein and intersected drillholes

Table 5.1 Lina Vein sample statistics

Raw assays			1m Composites			
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)
Mean	0.723	38.409	0.727	0.542	28.084	0.889
Median	0.825	33	0.5	0.38	15.25	0.95
Std Dev	0.52	32.001	0.398	0.5	29.613	0.196
Variance	0.271	1,024.04	0.158	0.25	876.92	0.039
Std Error	0.157	9.649	0.12	0.167	9.871	0.065
Coeff Var	0.72	0.833	0.547	0.922	1.054	0.221
Minimum	0.03	0.5	0.2	0.03	0.5	0.5
Maximum	1.29	87	1.4	1.29	87	1
No. of samples	11	11	11	9	9	9

#### 5.3 Leon vein

The location of the Leon wireframe and drillhole samples located within the wireframe are shown in Figure 5.4.

The samples within the Leon vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, top-capping of 20 g/t Au was applied. Table 5.2 shows the sample statistics for the raw assays and 1 m composited, top-capped assays.

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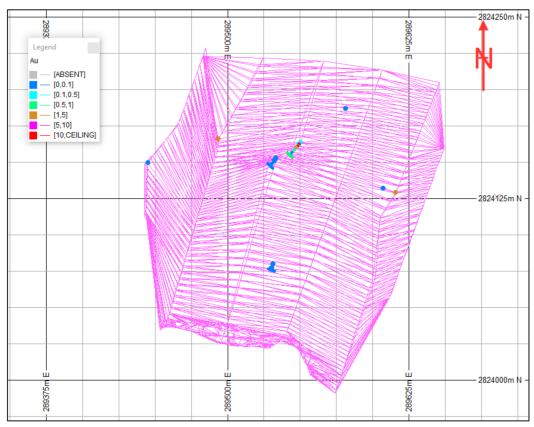


Figure 5.4 Location of Leon vein and intersected drillholes

Table 5.2 Leon vein sample statistics

Raw assay				1 m Composited top-capped			
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)	
Mean	3.139	61.22	0.603	1.929	39.365	0.976	
Median	0.005	1	0.5	0.005	0.84	1	
Std Dev	8.048	118.896	0.334	4.334	82.354	0.088	
Variance	64.774	14,136.16	0.111	18.787	6,782.22	0.008	
Std Error	0.942	13.916	0.035	0.626	11.887	0.012	
Coeff Var	2.564	1.942	0.554	2.247	2.092	0.09	
Minimum	0	0	0.01	0	0	0.5	
Maximum	57.1	497	1.32	20	343.352	1	
No. Samples	92	92	92	56	56	56	

## 5.4 Refugio\_2 Vein

The location of the Refugio\_2 wireframe and drillhole samples located within the wireframe are shown in Figure 5.5.

The samples within the Refugio\_2 vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, top-capping of 20 g/t Au and 600 g/t Ag was applied. Table 5.3 shows the sample statistics for the raw assays and 1 m composited, top-capped assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>8</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

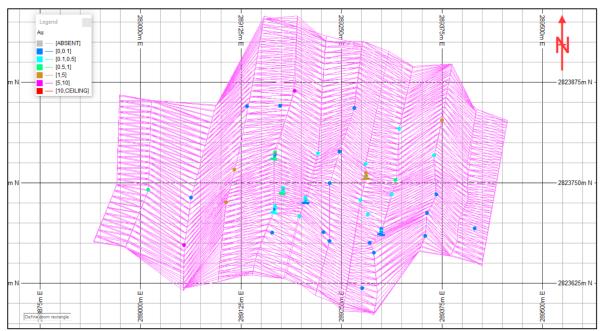


Figure 5.5 Refugio\_2 vein location and intersected drillholes

Table 5.3 Refugio\_2 vein sample statistics

Raw assays				1 m Composited and top-capped				
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)		
Mean	2.941	41.601	0.767	0.699	23.722	0.987		
Median	0.1	4.6	0.9	0.116	5.25	1		
Std Dev	43.876	363.197	0.31	2.021	63.39	0.067		
Variance	1,925.13	131,912.26	0.096	4.083	4,018.30	0.004		
Std Error	2.366	19.582	0.016	0.123	3.844	0.004		
Coeff Var	14.92	8.73	0.404	2.889	2.672	0.067		
Minimum	0	0	0.01	0	0	0.5		
Maximum	814	6,680.00	1.5	20	600	1		
No. Samples	368	368	368	282	282	282		

## 5.5 Refugio\_3

The location of the Refugio\_3 wireframe and drillhole samples located within the wireframe are shown in Figure 5.6.

The samples within the Refugio\_3 vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, no top-capping was applied. Table 5.4 shows the sample statistics for the raw assays and 1 m composited assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 9 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.
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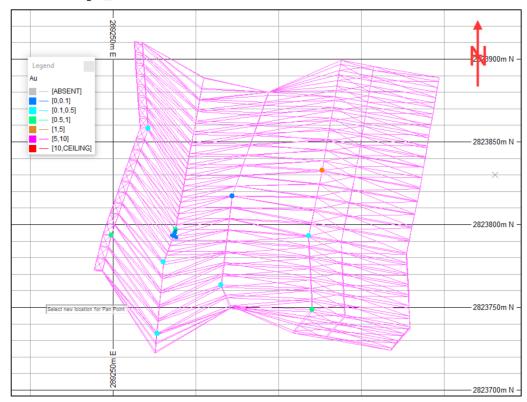


Figure 5.6 Refugio\_3 vein location and intersected drillholes

Table 5.4 Refugio\_3 vein sample statistics

Raw assays	Raw assays				1 m Composited			
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)		
Mean	2.489	51.213	0.744	0.759	22.704	0.969		
Median	0.111	10	0.76	0.159	10	1		
Std Dev	7.732	123.828	0.298	1.831	31.203	0.096		
Variance	59.777	15,333.40	0.089	3.353	973.655	0.009		
Std Error	1.238	19.828	0.048	0.34	5.794	0.018		
Coeff Var	3.107	2.418	0.401	2.412	1.374	0.099		
Minimum	0.003	0.5	0.01	0.003	0.5	0.6		
Maximum	28.9	471	1.04	7.818	127.9	1		
No.Samples	39	39	39	29	29	29		

## 5.6 Refugio\_main

The location of the Refugio\_main wireframe and drillhole samples located within the wireframe are shown in Figure 5.7.

The samples within the Refugio\_main vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, top-capping of 200 g/t Au and 2,000 g/t Ag was applied. Table 5.5 shows the sample statistics for the raw assays and 1 m composited assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 16 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

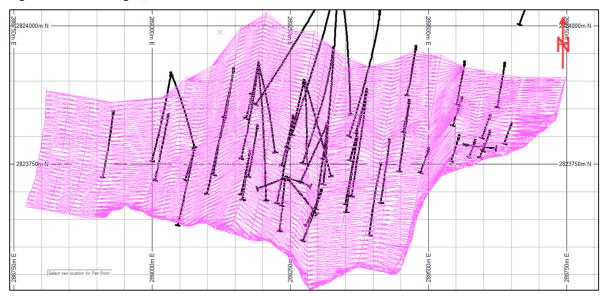


Figure 5.7 Refugio\_main vein location and intersected drillholes

Table 5.5 Refugio\_main vein sample statistics

Raw assays				1 m Composited top-capped				
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)		
Mean	3.318	69.896	0.728	3.42	72.48	0.985		
Median	0.45	15.9	0.775	0.54	19.30	1		
Std Dev	19.88	235.051	0.346	15.18	182.85	0.072		
Variance	395.216	55,248.85	0.12	230.48	37,191	0.005		
Std Error	0.768	9.081	0.013	0.691	6.917	0.003		
Coeff Var	5.991	3.363	0.476	4.54	2.66	0.073		
Minimum	0.003	0.25	0.01	0.003	0.25	0.5		
Maximum	287	2,900.00	3	200	2,000	1		
No. samples	673	673	673	520	520	520		

## 5.7 Soledad\_main

The location of the Soledad\_main wireframe and drillhole samples located within the wireframe are shown in Figure 5.8.

The samples within the Soledad\_main vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, top-capping of 30 g/t Au and 3,000 g/t Ag was applied. Table 5.6 show the sample statistics for the raw assays and 1 m composited assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>11</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

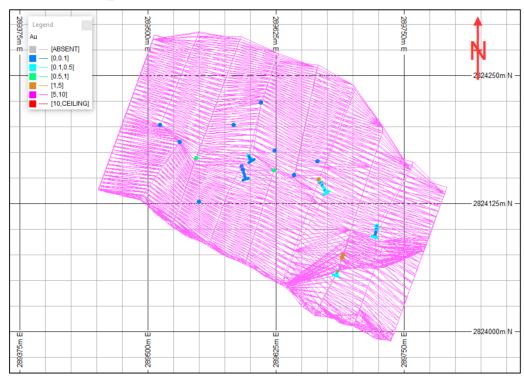


Figure 5.8 Soledad\_main vein location and intersected drillholes

Table 5.6 Soledad\_main Vein sample statistics

Raw assays	Raw assays				1 m Composited top-capped			
_	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)		
Mean	1.593	110.246	0.678	0.96	80.868	0.987		
Median	0.025	1.3	0.5	0.052	3.3	1		
Std Dev	7.943	615.291	0.316	3.458	365.894	0.077		
Variance	63.098	378,583.33	0.1	11.96	133,878.67	0.006		
Std Error	0.676	52.377	0.022	0.331	35.046	0.007		
Coeff Var	4.986	5.581	0.466	3.603	4.525	0.078		
Minimum	0	0	0	0	0	0.5		
Maximum	88.4	6,750.00	1.54	30	3,000.00	1		
No. Samples	202	202	202	136	136	136		

## 5.8 Soledad mid Vein

The location of the Soledad\_mid wireframe and drillhole samples located within the wireframe are shown in Figure 5.9.

The samples within the Soledad\_mid vein were composited to 1 m lengths for block grade estimation. Based on log probability plots, no top-capping applied. Table 5.7 shows the sample statistics for the raw assays and 1 m composited assays.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 12 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

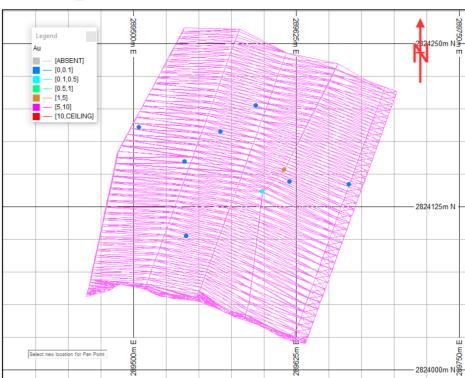


Figure 5.9 Soledad\_mid vein location and intersected drillholes

Table 5.7 Soledad\_mid vein sample statistics

Raw assays	Raw assays				1 m Composited			
	Au (g/t)	Ag (g/t)	Length (m)	Au (g/t)	Ag (g/t)	Length (m)		
Mean	1.116	48.65	0.593	1.154	61.874	0.932		
Median	0.004	0.375	0.5	0.004	0.375	1		
Std Dev	2.584	178.704	0.26	2.622	211.463	0.158		
Variance	6.679	31,935	0.067	6.874	44,716.73	0.025		
Std Error	0.564	38.996	0.045	0.677	54.6	0.034		
Coeff Var	2.315	3.673	0.438	2.273	3.418	0.169		
Minimum	0	0	0.04	0	0	0.5		
Maximum	9.57	825	1	9.57	825	1		
No. Samples	33	33	33	21	21	21		

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 13 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australia

## 6 Data check

AMC has undertaken the following checks on the drillhole data:

- Drillhole coordinates all fall within the expected areas.
- Assay values fall within expected parameters.
- Downhole from and to values are not inconsistent.

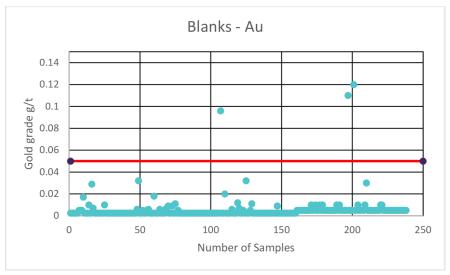
Data was imported into Datamine software and no obvious errors were found during the data importation.

## 6.1 Quality assurance

AMC reviewed the quality assurance data for blanks, laboratory duplicates and certified reference material (CRM) for gold and silver.

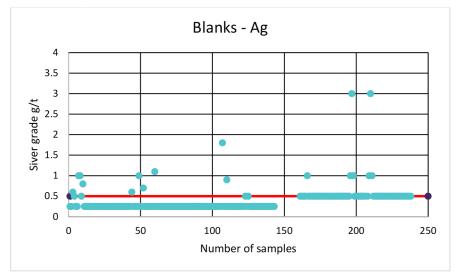
Figure 6.1 and Figure 6.2 show the laboratory blank assay values. The red line is the expected value for the blank assay. Both plots show the laboratory cleaning procedure is appropriate.





<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 14 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

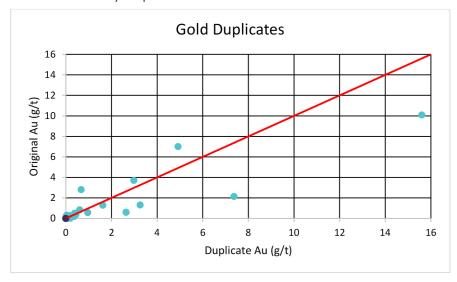




The laboratory duplicates were checked against the original assay using scatter plots. The review of the laboratory duplicates shows poor results for both gold and siver analysis.

Figure 6.3 and Figure 6.4 show the results of the scatter diagrams. The review of the laboratory duplicates shows poor results for both gold and siver analysis.

Figure 6.3 Gold Laboratory Duplicates



<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 15 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

50

Mithril Resources Ltd 121047

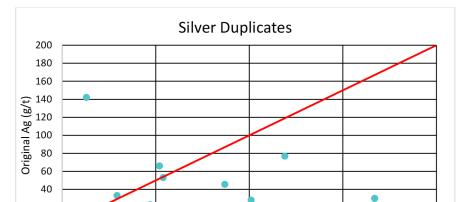


Figure 6.4 Silver Laboratory Duplicates

20

0

A total of 14 CRMs were used to assess the accuracy of the laboratory. Appendix 1 contains the CRM plots for both gold and silver. These plots show a few assays were outside two standard deviations of the CRM stated grades. However, most of the assays were within two standard deviations. Also, for some CRM's the estimated grade was slightly above the expected CRM value.

100

Duplicate (Ag (g/t)

150

200

In AMC opinion, based on the QAQC results for blanks, laboratory duplicates and CRMs the assay values are suitable for estimating and reporting of the Mineral Resources according to the JORC Code.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 16 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 7 Bulk Density

A total of 83 samples were tested for bulk density using the Wax Immersion method. Figure 7.1 shows a histogram of the bulk density values ranging from 2.30  $t/m^3$  to 2.82  $t/m^3$  with a mean of 2.56  $t/m^3$ . Figure 7.2 is a histogram of the bulk density values for the main lithologies contained within the wireframed mineralized zones. The mean values range from 2.52  $t/m^3$  to 2.62  $t/m^3$ .



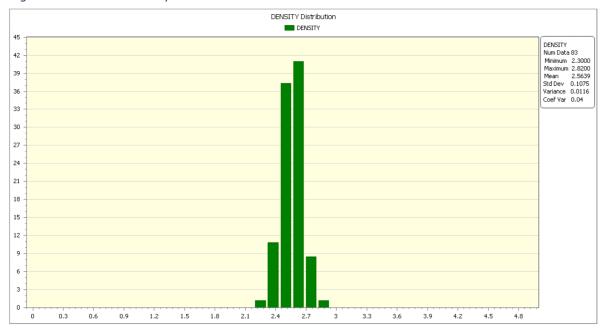
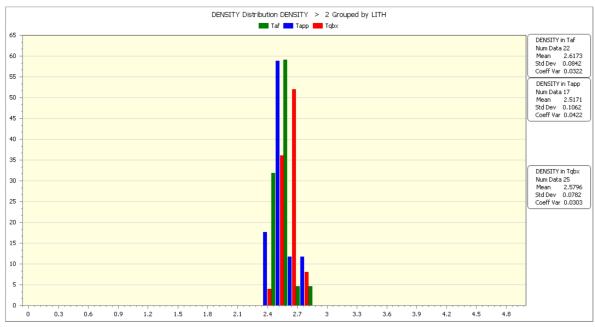


Figure 7.2 Bulk density for lithologies Taf, Tapp and Tqbx



Based on the data provided a constant value of  $2.56\ t/m^3$  was used for the bulk density for Mineral Resource estimation for all mineralization.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 17 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

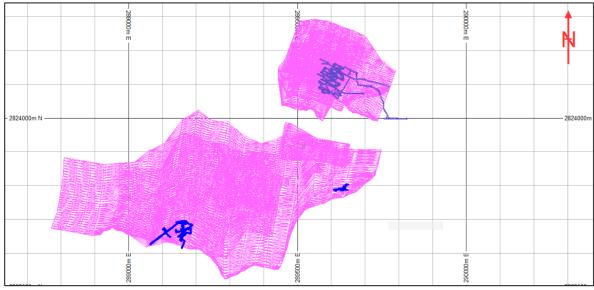
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## 8 Areas of previous mining

Five wireframes outlining areas of previous mining was provided:

- Cometa\_all.dxf
- Refugio\_all.dxf
- Soledad\_all.dxf

Figure 8.1 Location of the areas mined



Note: Pink areas are the modelled wireframes and blue areas are the areas mined

For modelling of the deposit, the areas of previous mining had the gold and silver grades set to zero, bulk density set to zero and labelled as MINED = 1.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 18 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 9 Mineral Resource estimation

Mr. Rodney Webster (MAusIMM and MAIG) of AMC Consultants Pty Ltd is the Certified Person (CP) for reporting of the Mineral Resource estimates. The Mineral Resource is reported in accordance with the JORC Code (2012)

The CP is not aware of any known environmental, permitting, legal, title, taxation, socioeconomic, marketing, political or other similar factors that could materially affect the stated Mineral Resource estimate.

A Mineral Resource was estimated for the seven modelled wireframes using block models and ordinary kriging to estimate the gold and silver block grades.

The estimated Mineral resources above a 2 g/t AuEq cut-off and outside the areas of previous mining is shown in Table 9.1. Refugio Mineral Resources include Refugio\_main, Refugio\_2 and Refugio\_3 modelled veins whilst Soledad includes Soledad\_main, Soledad\_mid, Leon and Lina modelled veins.

Table 9.1 Mineral Resource above 2 g/t AuEg cut-of	Table 9.1	Mineral Re	esource a	above 2	2 a/t	AuEa	cut-off
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		Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t)	Au (koz)	Ag (koz)	AuEq (koz)
Refugio	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,447	4.63	137.1	6.59	215	6,377	307
Soledad	Indicated	0	0.00	0.0	0.00	0	0	0
	Inferred	278	4.12	228.2	7.38	37	2,037	66
Total	Indicated	691	5.43	114.2	7.06	121	2,538	157
	Inferred	1,725	4.55	151.7	6.72	252	8,414	372
	Total	2,416	4.80	141.0	6.81	373	10,953	529

Notes: 1. JORC Code (2012) used Mineral Resource classifications.

- 2. Totals may not compute exactly due to rounding.
- 3. AuEq=Au+Ag/70 based on assumed prices of Au US\$1798.34/oz and Ag US\$25.32/oz.
- 4. Areas of previous mining has been removed
- 5. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

#### 9.1 Block Model parameters

The block model parameters used to model the deposit are listed in Table 9.2. The block sizes were selected based on the general drillhole spacing.

Table 9.2 Block Model parameters

	East (m)	North (M)	Vertical (m)
Origin	288,846	2,823,596	822
Block size	12	12	4
Number of blocks	81	64	126
Minimum sub-block size	2	2	1

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 19 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 9.2 Estimation parameters

Block gold and silver grades were estimated using ordinary kriging with discretization of  $5 E \times 5 N \times 5 RL$  points. The parameters used are shown in Table 9.3. Due to the limited sample data within each separate wireframe, semi-variogram analysis and search parameters were based on the results for Refugio\_main for Refugio\_main, Refugio\_2 and Refugio\_3. Soledad\_main variogram and search parameters were used for Soledad\_main, Soledad\_mid, Leon and Lina samples.

The search ellipse was increased for the second search pass by a factor of 1.5 and for the third search pass by 3, to ensure all blocks had grades estimated. There was no octant search.

The search ellipse radii and orientation were based on the results of a two-structured spherical variogram analysis. The variogram parameters are listed in Table 9.4.

Zone	Search Radii			Rotation			No. Samples		Maximum	
	East (m)	North (m)	Vert. (m)	Z (°)	X (°)	Y (°)	Min.	Max.	Samples Per Drillhole	
Refugio_main - Gold	100	100	10	-141	-27	-143	3	6	3	
Refugio_main - Silver	100	100	10	-140	-27	-143	3	6	3	
Soledad_main - Gold	150	70	10	-117	-65	145	3	6	3	
Soledad_main - silver	160	70	10	-117	-65	145	3	6	3	

Table 9.4 Variogram parameters

Zone	Orientation		Nugget	Range 1			Sill 1	Range 2		Sill 2		
	Z (°)	X (°)	Y (°)		East (m)	North (m)	Vert. (m)		East (m)	North (m)	Vert. (m)	
Refugio_main - Gold	-141	-27	-143	0.1	59	80	2.5	0.5	101	93	3	0.4
Refugio_main - Silver	-141	-27	-143	0.1	97	56	2	0.37	98	99	3	0.53
Soledad_main - Gold	-117	-65	145	0.1	81	58	1.5	0.5	157	73	2.5	0.54
Soledad_main - silver	-117	-65	145	0.12	61	54	3	0.61	149	68	3.6	0.27

## 9.3 Gold Equivalent

The gold equivalent formula was calculated as:

$$AuEq = Au + (Ag/70)$$

#### Where:

- The value of gold per ounce = US\$1,798.34.
- The value of silver per ounce = US\$25.32.
- Converting the gold weight from grams to ounces =31.10348.
- No allowance has been made for recovery and payable values.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>26</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

## 9.4 Mineral Resource classification

The deposit Mineral Resources was classified as Indicated or Inferred based on:

- Block grades for the Refugio\_main and Refugio\_2 wireframes were classified as Indicated where blocks were estimated on the first pass with drillholes less than 35 m apart.
- Block grades for the Refugio\_main and Refugio\_2 wireframes were classified as Inferred
  outside the Indicated area where samples were estimated on the first pass.
- Block grades for the other five wireframe were classified as Inferred where samples were estimated on the first pass.

Figure 9.1 is an example of the classification using the Refugio\_main model.

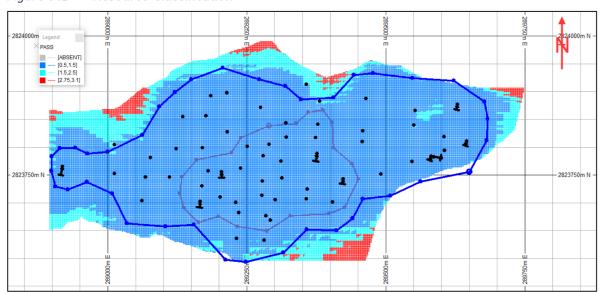


Figure 9.1 Resource Classification

Note 1. Block coloured my pass as shown in the legend.

- 2. Red line defines the limit to the Indicated Mineral Resource
- 3. Blue line defines the limit to the Inferred Mineral Resource
- 4. Black points are the drillholes

#### 9.5 Mineral resources

Then estimated resources above a series of AuEq (g/t) cut-offs is shown in Table 9.5 for the Indicated mineralization and Table 9.6 for Inferred resources.

The tonnes and gold and AuEq grade are shown as scatter plots in Figure 9.2 for Indicated and Figure 9.3 for Inferred.

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>21</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

Table 9.5 Indicated resources above AuEq cut-offs

Cut-off AuEq (g/t)	Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t)	Au (koz)	Ag (koz)	AuEq (koz)
0.2	1,897	2.35	55.1	3.13	143	3,361	191
0.4	1,617	2.72	63.4	3.63	141	3,298	189
0.6	1,419	3.05	70.8	4.06	139	3,229	185
0.8	1,293	3.30	76.0	4.39	137	3,162	183
1	1,171	3.59	81.5	4.76	135	3,069	179
1.2	1,053	3.91	87.9	5.16	132	2,977	175
1.4	944	4.26	94.3	5.61	129	2,863	170
1.6	831	4.71	102.3	6.17	126	2,733	165
1.8	755	5.07	108.4	6.62	123	2,631	161
2	691	5.43	114.2	7.06	121	2,538	157
2.2	650	5.69	117.9	7.37	119	2,465	154
2.4	615	5.93	120.9	7.66	117	2,390	151
2.6	565	6.32	125.5	8.12	115	2,280	147
2.8	531	6.62	129.3	8.47	113	2,208	145
3	500	6.92	132.6	8.82	111	2,130	142
3.2	480	7.12	134.8	9.04	110	2,082	140
3.4	451	7.45	138.4	9.42	108	2,005	137
3.6	427	7.74	140.9	9.75	106	1,933	134
3.8	403	8.05	144.1	10.11	104	1,868	131
4	392	8.20	145.9	10.28	103	1,840	130
4.2	374	8.46	148.6	10.59	102	1,786	127
4.4	352	8.81	151.9	10.98	100	1,719	124
4.6	331	9.17	154.8	11.38	98	1,648	121
4.8	307	9.64	159.2	11.91	95	1,571	117
5	285	10.12	163.2	12.45	93	1,493	114

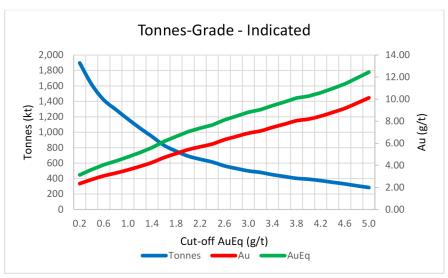
<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 22 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

Table 9.6 Inferred resources above AuEq cut-offs

Cut-off AuEq (g/t)	Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t)	Au (koz)	Ag (koz)	AuEq (koz)
0.2	4,947	1.94	66.3	2.89	309	10,541	459
0.4	4,317	2.20	74.7	3.27	305	10,372	453
0.6	3,732	2.49	84.4	3.70	299	10,126	444
0.8	3,107	2.91	98.0	4.31	290	9,785	430
1	2,768	3.19	107.2	4.72	284	9,537	420
1.2	2,482	3.47	116.8	5.14	277	9,321	410
1.4	2,235	3.76	126.3	5.57	270	9,079	400
1.6	2,042	4.02	135.0	5.95	264	8,866	391
1.8	1,861	4.30	144.2	6.36	257	8,630	381
2	1,725	4.55	151.7	6.72	252	8,414	372
2.2	1,595	4.81	159.5	7.09	247	8,176	364
2.4	1,487	5.06	166.8	7.44	242	7,972	356
2.6	1,396	5.29	173.3	7.76	237	7,778	348
2.8	1,303	5.54	180.7	8.12	232	7,568	340
3	1,200	5.86	189.8	8.57	226	7,320	331
3.2	1,123	6.13	197.2	8.94	221	7,120	323
3.4	1,058	6.38	204.3	9.29	217	6,948	316
3.6	969	6.76	214.5	9.83	211	6,681	306
3.8	902	7.09	223.8	10.28	205	6,488	298
4	830	7.44	237.5	10.83	199	6,340	289
4.2	734	8.08	254.8	11.72	191	6,015	277
4.4	673	8.56	268.5	12.40	185	5,808	268
4.6	641	8.85	275.9	12.79	182	5,682	263
4.8	611	9.13	284.2	13.19	179	5,579	259
5	589	9.35	290.3	13.49	177	5,495	255

Figure 9.2 Tonnes-Grade - Indicated

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<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 23 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

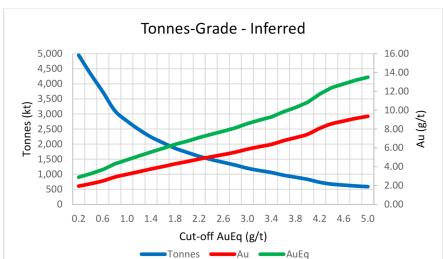


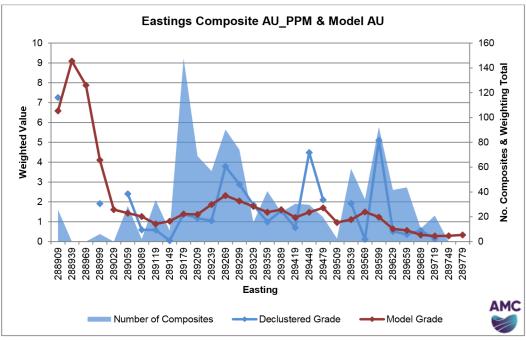
Figure 9.3 Tonnes – Grade -Inferred

#### 9.6 Model Validation

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The block model grades were compared to the drillhole sample data along cross sections and long-sections. Good correlation was noted. Swath plots were prepared for the gold and silver block grades compared to the drillhole sample grades (Figure 9.4 to Figure 9.9). These showed good correlation.





<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 24 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

Figure 9.5 Gold - North-South SWATH plot

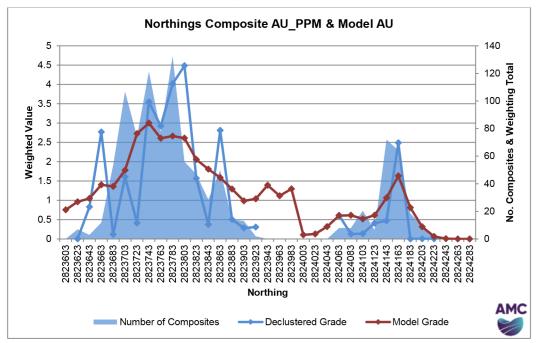
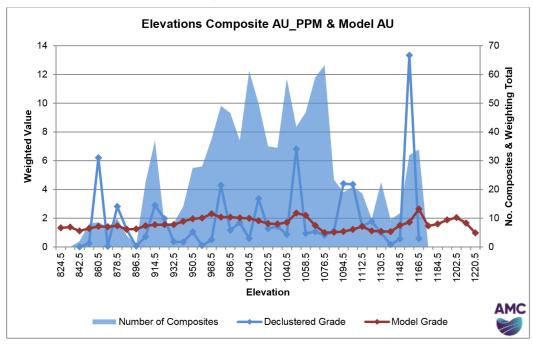
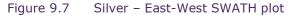


Figure 9.6 Gold - Elevation SWATH plot



<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 25 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.



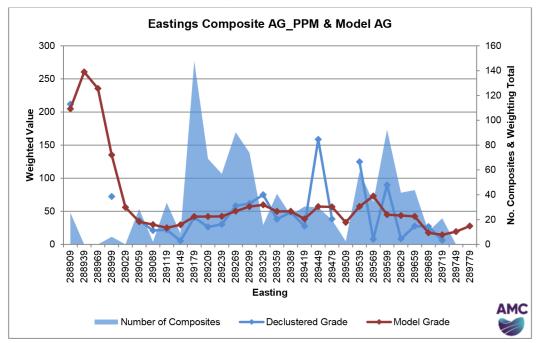
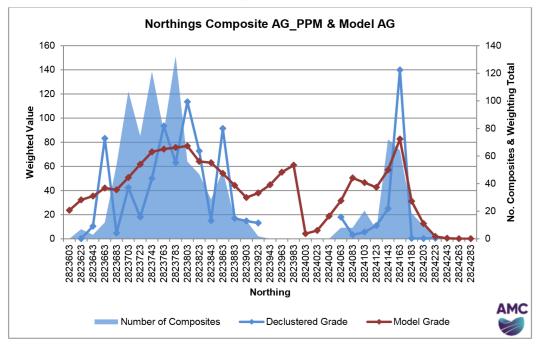
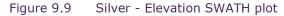
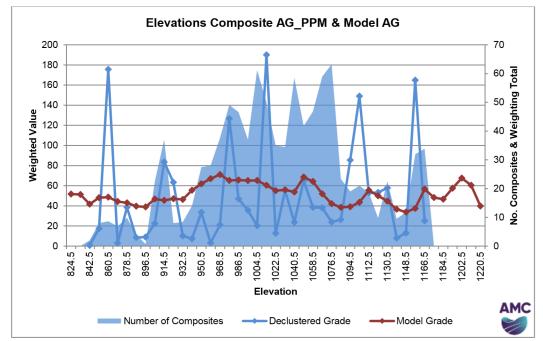


Figure 9.8 Silver - North-South SWATH plot



<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>26</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.





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<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 <sup>27</sup> Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

### 10References

ASTM Designation: C 914- 95 Standard test Method for Bulk Density and Volume of Solid Refractories by Wax Immersion

Rodrigues R. August 2017 Preliminary Assessment Copalquin Project Durango, Mexico

<sup>1</sup> Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 28 Edition, prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.
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### Appendix A CRM plots

Figure 1 CRM CDN-ME1311 - Au

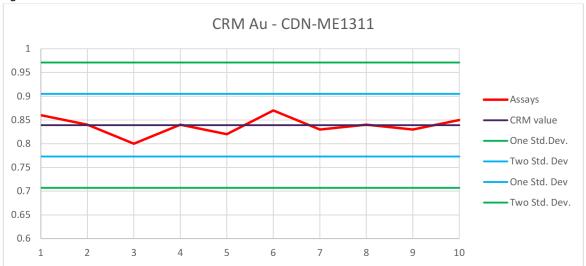


Figure 2 CRM CDN-ME1311 - Ag

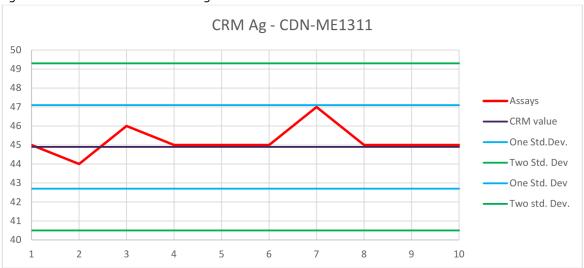


Figure 3 CRM CDN-ME1414 - Au

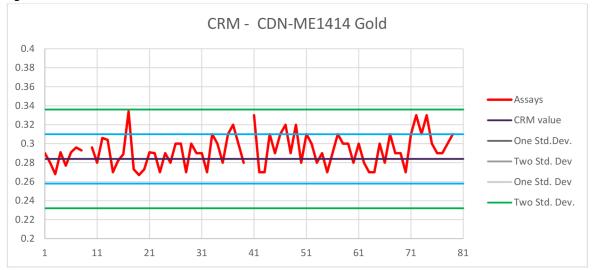
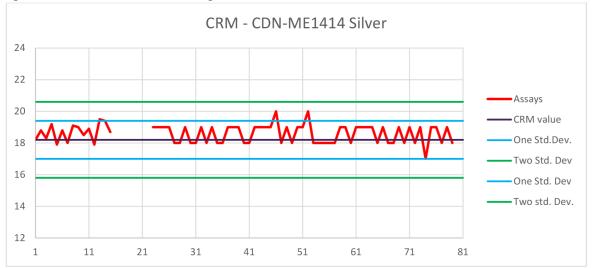
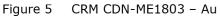


Figure 4 CRM CDN-ME1414 - Ag





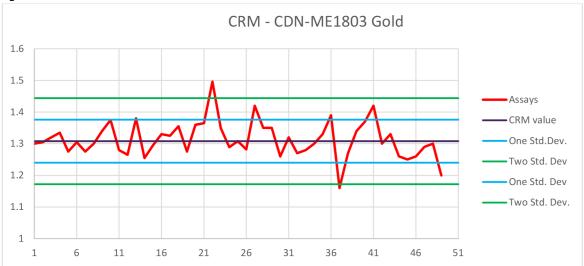


Figure 6 CRM CDN-ME1803 – Ag

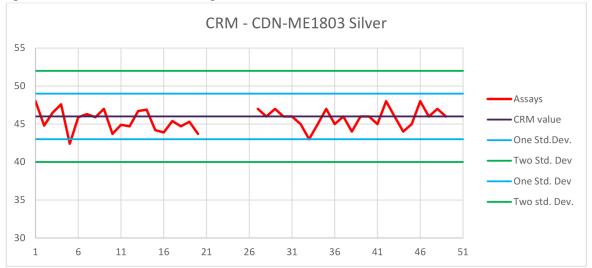


Figure 7 CRM CDN-ME1808 - Au

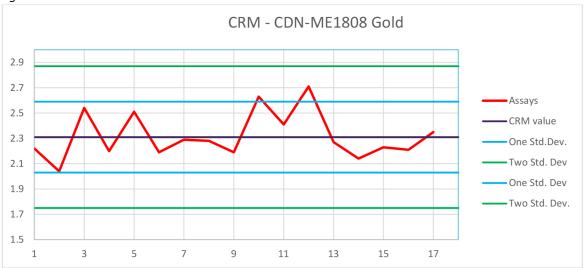


Figure 8 CRM CDN-ME1808 - Ag

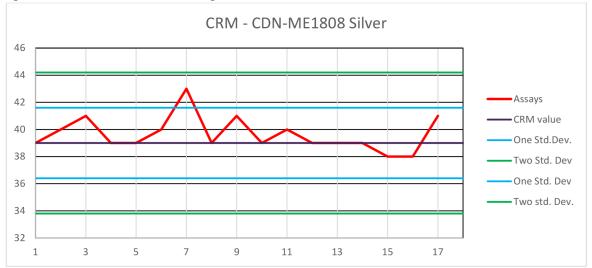






Figure 10 CRM CDN-ME1901 - Ag

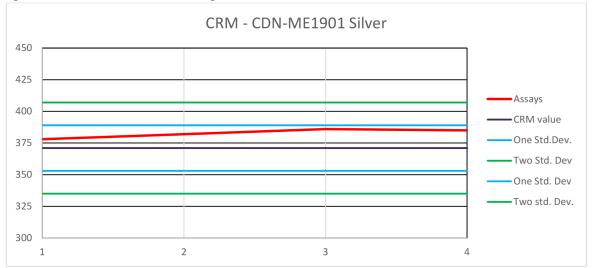


Figure 11 CRM CDN-ME1902 - Au

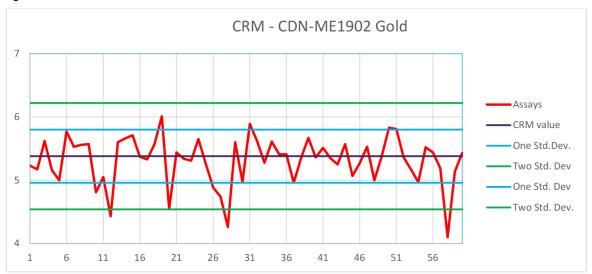


Figure 12 CRM CDN-ME1902 - Ag

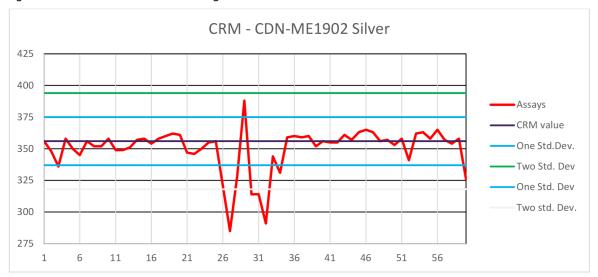


Figure 13 CRM OREAS 215 - Au



Figure 14 CRM OREAS 217 - Au



Figure 15 CRM OREAS 257 - Au

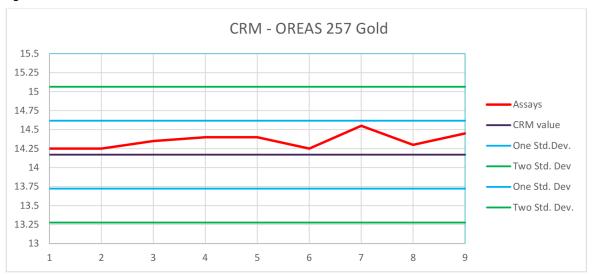


Figure 16 CRM OREAS 602 - Au

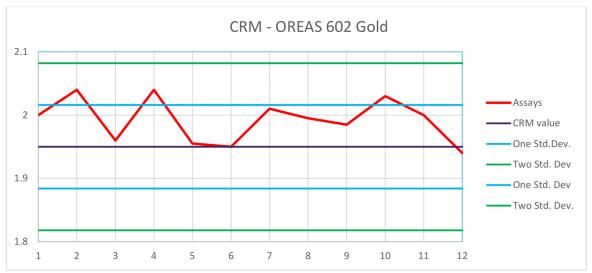


Figure 17 CRM OREAS 602 - Ag

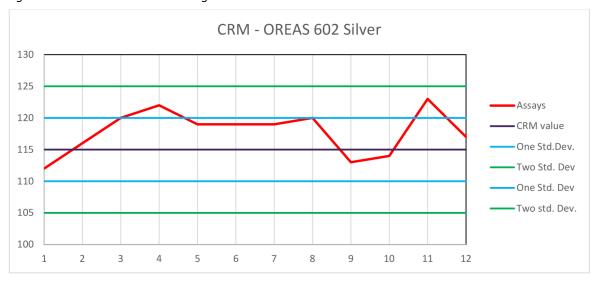


Figure 17 CRM OREAS 604 - Au

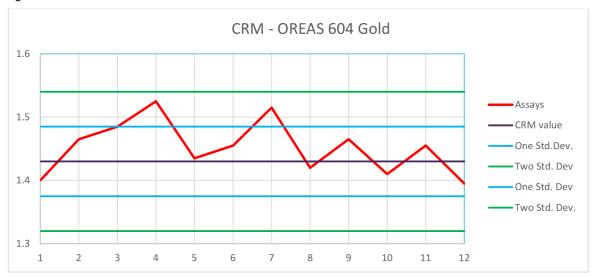


Figure 17 CRM OREAS 604 - Ag



### Appendix B JORC Code Table 1

# JORC Code, 2012 Edition – Table 1 report template

### **Section 1 Sampling Techniques and Data**

(Criteria in this section apply to all succeeding sections.)

te D	æ %	C
Drilling techniques	techniques	Criteria
•		o Jo
Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.  Aspects of the determination of mineralisation that are Material to the Public Report.  In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	JORC Code explanation
		Comr
Drilling is done with a Multipower MP-500 man-portable diamond core rig capable of drilling up to 400 m using HQ diameter. The deepest drill hole is 477 m and finished with NQ diameter.  The drilling rig is properly orientated in 5 m by 5m stable platforms; initial inclination is given using a Starrett Angle Meter Inclinometer Model AM-2 36080.	Samples of the diamond core drilling consists of 95% of HQ and 5% of NQ core cut in half lengthwise with a diamond saw using a Honda Mantra diamond cutter. Changes from HQ to NQ diameter depend on drilling conditions.  Sample sizes are nominally 1 m but may vary between 0.5 m to 1.5 m based on geological criteria.  Sample weights vary from 3.7 kg to 4.2 kg for HQ cores and 2.1 kg to 2.3 kg for NQ cores.  Sampling intervals are from 10 m above to 10 m below visible mineralized structures.  The right side of the core is sent to sample for analysis at an accredited laboratory analysis, mainly ALS Global or Bureau Veritas. The remaining half core is stored appropriately in a secure core warehouse.  In 2021, soil sampling was carried out by locating pre-planned points by handheld GPS and digging below the first colour-change, sampling the B horizon 25 cm above the regolith. Samples are sieved to -80 mesh in the field. A 15 g aliquot of sample is split from the soil pulps for analysis by X-Ray Fluorescence analyzer with a lower detection limit for silver of 2 ppm and fire assay with atomic absorption (FA/AA).	Commentary

The core is sawn in half and the right-side half core is taken for sample. Samples taken from drill holes CDH-001 through CDH-060 (Mithril Database Code ALS 1) and from CDH-064 through CDH-90 (Mithril	If core, whether cut or sawn and whether quarter, half or all core taken.  If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	<ul> <li>If core, whether cut or sawn taken.</li> <li>If non-core, whether riffled, twhether sampled wet or dry.</li> </ul>	Sub-sampling techniques and sample preparation
Mithril's system of logging core uses a very robust software GV Mapper. It records lithology, mineralogy, mineralization, alteration, structure, colour, and other primary features of the rock samples.  Core logging is both qualitative and quantitative. Photographs are taken of each box of core before samples are cut. Core is wet to improve the visibility in the photos.  All drill holes are logged and photographed in full to the end of the hole.  The core logging supports adequate Mineral Resource estimation.	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.  Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.  The total length and percentage of the relevant intersections logged.	<ul> <li>Whether core and chip samples hav geotechnically logged to a level of d Mineral Resource estimation, mining studies.</li> <li>Whether logging is qualitative or que costean, channel, etc) photography.</li> <li>The total length and percentage of t</li> </ul>	Logging
The diamond core is reconstructed in the core box into continuous runs using wooden markups. Depths are checked against drillers blocks and rod counts are routinely carried out by the drillers.  Drill recovery is measured based on the measured length of core divided by the length of drill run.  Measurements for core recoveries are logged and recorded using Geotech Software to calculate Recovery percentages and RQD's. All measurements for every drill hole are recorded in the Mithril Database.  Recovery in holes CDH-001 through CDH-025 and CDH-032 through CDH-90 was always above 90% in the mineralized zones.  Holes CDH-026 through CDH-031 had some problems with core recovery in highly fractured, clay-rich breccia zones.  Core recovery is appropriate for Mineral Resource Estimation. There is no adverse relationship between recovery and grade.	Method of recording and assessing core and chip sample recoveries and results assessed.  Measures taken to maximise sample recovery and ensure representative nature of the samples.  Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	<ul> <li>Method of recording and assessing and results assessed.</li> <li>Measures taken to maximise sample representative nature of the samples.</li> <li>Whether a relationship exists betwee and whether sample bias may have a loss/gain of fine/coarse material.</li> </ul>	Drill sample recovery
The core is routinely orientated with the first measurement at 10 m, and then every 50 m for the total length using an Easy Track, Model ET-6813 – V1 0.27 Reflex Software.		JORC Code explanation	Criteria

FA430, a 30g tire assay and AAS tinish (limits: 0.005 – 10 ppm) method, for higher values samples were reassayed using Au-FA530, a 30g fire assay with gravimetric finish method; for silver, the Ag-GRA530 method			
For drill holes CDH-061 through CDH-063 (Mithril Database Code BV1), samples were submitted to Bureau Veritas for analysis; for gold using Au-			
ppm); for silver, the ALS MEICP-61 method, which is four-acid digestion with ICP-AES finish + 32 elements (detection limits: 0.5 – 100 ppm), over the limits samples were reassayed using ALS Ag-OG62 method, detecting Ag by HF-HNO, HCIO, digestion with HCI leach, ICP-AES or	derivation, etc. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	<ul> <li>derivation, etc.</li> <li>Nature of quality control produplicates, external laborate of accuracy (ie lack of bias)</li> </ul>	
method, a 30g fire assay and AAS finish (detection limits: 0.005 – 10 ppm). Samples of higher grades will be routinely re-assayed by ALS Au-GRA21 fire assay with a gravimetric finish (detection limits: 0.5 – 1000	partial or total.  For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their	<ul> <li>partial or total.</li> <li>For geophysical tools, specthe parameters used in determake and model, reading times.</li> </ul>	and laboratory tests
Samples taken from drill holes CDH-001 through CDH-060 were	The nature, quality and appropriateness of the assaying and aboratory procedures used and whether the technique is considered	<ul> <li>The nature, quality and app laboratory procedures used</li> </ul>	Quality of assay data
sampled. Both laboratories used are certified worldwide.			
to determine the representativity of sample media submitted.  Sample sizes are appropriate to the grain size of the material being			
representativity of samples.  Field duplicate/second-half sampling is undertaken for 3% of all samples			
Prep 70-250 which is the same procedure as ALS Prep-31.  The core is always visually reviewed to assure that the half is			
explored. For drill holes CDH-061 through CDH-063 (Mithril Database Code BV1), samples were sent to Bureau Veritas using preparation code	duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled.	<ul> <li>duplicate/second-half sampling.</li> <li>Whether sample sizes are approperations of the sampled.</li> </ul>	
than 2 mm, riffle split off 250 g, pulverized split to better than 85% passing 75 microns. This method is appropriate for the type of deposit being	maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field	<ul> <li>maximise representivity of samples</li> <li>Measures taken to ensure that the saitu material collected, including for</li> </ul>	
Database Code ALS2) were sent to ALS Global for preparation and analysis. ALS sample preparation code Prep-31 is used following industry best practice where all drill samples are crushed to 70% less.	For all sample types, the nature, quality and appropriateness of the sample preparation technique.  Quality control procedures adopted for all sub-sampling stages to	<ul> <li>For all sample types, the natur sample preparation technique.</li> <li>Quality control procedures add</li> </ul>	
Commentary	Com	JORC Code explanation	Criteria

was selec	
	was selected, using fire assay and g
was selec	lected, using fire assay and g
was selec	lected, using fire assay and g
	fire assay and g

was selected, using fire assay and gravimetric finish (limits: >20 ppm). And from CDH-064 through CDH-90 (Mithril Database Code ALS2) samples submitted to ALS were assayed using ALS Au-AA25 method, a 30g fire assay and AAS finish (detection limits: 0.05 – 100 ppm), and over the limit results, ALS Au-GRA21 re-assayed these.

- Samples with significant amounts of observed visible gold were also assayed by ALS Au-SCR21. This screening assay analyses gold in both the milled pulp and in the residual oversize from pulverization. This method has been done for holes CDH-075 and CDH-077.
- All these analytical methods used by Mithril are considered total assay techniques.
- All assay certificates are recorded automatically into the Mithril Database using GV Mapper Software, avoiding any human error for transcripts in digital form.
- Protocols for sampling and QA/QC procedures are adequate for Mineral Resources estimation.
- QA/QC procedures include standards, blanks, and duplicates inserted appropriately into the sample stream.
- Various grades of standards bought from CRM (Certified Reference Material) suppliers, including Canadian Resource Laboratories (CND), Rocklabs (Ox), and Oreas North America (Oreas). Systematic protocol for standards is to insert one random standard every 33 samples in numbers 15, 48, 81, etc. In addition, always insert one defined standard, two or three samples before visible high-grade mineralized zones.
- Blanks for drill holes CDH-001 through CDH-060were supplied by Rocklabs, for drill holes CDH-061 through CDH-90 a local fresh porphyric andesite was used; Ten samples from this rock were analyzed in ALS lab, resulting in undetectable values for gold and silver. Blank's protocol is to insert a minimum of 3 up to 5 blanks for every 100 samples; the criteria is to place these blanks within mineralized intervals and at the end of the mineralized zones. Blanks were similar in appearance to core

Verification of sampling and assaying		Criteria
• • •		ے
The verification of significant intersections by either independent or alternative company personnel.  The use of twinned holes.  Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.  Discuss any adjustment to assay data.		JORC Code explanation
		Com
Significant drilling intersections are noted in this report and were verified in the field by the independent qualified person (QP) José A. Olmedo, MSc. P. Geo, from August 7th to August 10th, 2021. From direct observations of geological logging, QP's descriptions matched the logging database.  Mr. Olmedo reviewed the grade database against ALS Global Laboratory, a selection of 500 certificates was selected at random from the files provided by Mithril, and these were compared back to the drilling database. Such a comparison represented a total of 500 samples. The author states that all samples reviewed matched the database exactly.  Both geological logging and assay data are adequate for the classification of Mineral Resources summarized in this Technical Report.  One twin hole has been drilled. Hole CDH-072, is a twin of historic holes UC-002 and UC-03; results are comparable (note historic drill holes are not used to estimate Mineral Resources in this Technical Report).  Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) are maintained in the company's core facility.	samples.  All drill assays were required to conform to the procedural QA/QC guidelines and routine laboratory QA/QC guidelines.  Soil sampling is also subject to a program of standards and blanks using the X-ray fluorescence (XRF) analyzer. Results are acceptable. Samples were analyzed using three wavelengths, 50 Kv, 40 Kv, and 15 Kv for 120 seconds, 30 seconds, and 30 seconds, respectively.  Preliminary bulk densities are estimated in the Copalquin warehouse laboratory over different rocks and mineralized intervals using ASTM C 914 – 95 Standard Test Method for Bulk Density and Volume of Solid Refractories by Wax Immersion. Results from these measurements are adequate for Mineral Resources estimations.	Commentary

<ul> <li>Drill hole orientations were designed to intersect geological contacts as high an angle as possible to reflect approximately true widths. The drilling</li> </ul>		
•	the deposit type.	relation to
	<ul> <li>Of • Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering</li> </ul>	Orientation of data in
<ul> <li>Samples within the modelled mineralized zones were composited to one metre lengths for Mineral Resource estimation</li> </ul>		
appropriate for inclusion in Mineral Resource estimations classified as Inferred.	<ul> <li>classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	
between them to allow sufficient geological and grade continuity as		distribution
•	<ul> <li>ing • Data spacing for reporting of Exploration Results.</li> <li>• Whether the data spacing and distribution is sufficient to establish the</li> </ul>	Data spacing and
Model ET-6813 – V1 0.27 Reflex Software.		
then for every 50m for the drill hole total length using an Easy Track,		
<ul> <li>The core is routinely orientated; the first measurement is at 10 m and</li> </ul>		
project area.		
<ul> <li>High-quality topographic control from Photosat covers the entire drill</li> </ul>		
<ul> <li>The grid system used is WGS 84 Zone 13.</li> </ul>		
Map 62s. All coordinates matched with Mithril GV Mapper database.		
verified by José A. Olmedo in the field using a handheld Garmin GPS		
Some relevant drill hole collars, as well as old mine workings, were		
<ul> <li>Holes CDH-084 through CDH-094 were surveyed by handheld GPS.</li> </ul>		
using a handheld Garmin GPS.		
and vertical +- 11mm. Holes CDH-005 and CDH-081 were surveyed by	• waaniy ana adaqaacy or wholy ahiin control.	
equipment Hi-Target V30 Plus, to horizontal nominal accuracy of +- 6mm	<ul> <li>Opecification of the grid system used.</li> </ul>	
	used in Mineral Resource estimation.	
		data points
<ul> <li>Drill collar coordinates for drill-holes CDH-001 through CDH-084 were</li> </ul>	Accuracy and quality of surveys used to locate drill holes (collar and	Location of
averages to reported intercepts:		
<ul> <li>Assay data have not been adjusted other than applying length-weighted</li> </ul>		
Commentary	JORC Code explanation	Criteria

Audits or • The results of a reviews	geological of key minerali: structure sampling bias, Sample • The measures security	Criteria JORC Code explanation	
The results of any audits or reviews of sampling techniques and data.	of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.  The measures taken to ensure sample security.		
		Commentary	
Mr. Olmedo has completed a review of all Mithril field exploration protocols and database; including, drill hole collar, core logging, database, and sample security verifications.	Sampling has been designed to cross structures as near to perpendicular as possible, minimizing any potential in creating a bias sampling orientation.  Core boxes are brought by drilling operators to the company's core sampling preparation patio.  Samples are bagged in pre-numbered plastic bags; each sample weight is recorded in the database. Each bag has a numbered tag inside and are tied off with plastic ties and then bulk bagged in poly-weave bags in batches not to exceed 40 kg. These are then also numbered with respective samples of each bag it contains.  Batch bags are tied off with plastic ties and placed in the air services aircraft. They are taken to Tamazula, Durango, where ALS Global picks up to 3 tonnes of samples to be delivered either to ALS Guadalajara or ALS Hermosillo preparation labs. Analytical procedures are performed in ALS Vancouver, Canada.  Chain of custody is well established and secured and accomplishes international best exploration guidelines under mining industry standards. The remaining half cores are stored in original labelled core boxes in well-secured core warehouses at the project site. Core Warehouse 1 contains drill cores from CDH-001 through CDH-90. Core boxes are stacked in steel frames, organized by sequential numbers, ready for any further inspection.	entary	

Criteria
JORC Code explanation
Commentary

## **Section 2 Reporting of Exploration Results**

(Criteria listed in the preceding section also apply to this section.)

Drill hole Information	Geology	Exploration done by other parties	Mineral tenement and land tenure status	Criteria
•	•	•	• •	o
A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:  easting and northing of the drill hole collar  elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar  dip and azimuth of the hole  down hole length and interception depth  hole length.  If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	Deposit type, geological setting and style of mineralisation.	Acknowledgment and appraisal of exploration by other parties.	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.  The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	JORC Code explanation
		•	•	င္ပ
•	•	Ш Ж	m ×	omn
Currently, approximately 91 holes have been drilled in the area defining a series of narrow gold vein mineralization.	The Copalquin project is a typical low-sulfidation epithermal vein system hosted in volcanic rocks. Currently, approximately 91 holes have been drilled in the area defining a series of narrow gold vein mineralization.	Exploration Results are not being report as a Mineral Resources is.	Exploration Results are not being report as a Mineral Resources is.	Commentary

	including the main geological interpretations and tuture drilling areas,	
	<ul> <li>Diagrams clearly highlighting the areas of possible extensions,</li> </ul>	
	extensions or depth extensions or large-scale step-out drilling).	
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>The nature and scale of planned further work (eg tests for lateral</li> </ul>	Further work
	deleterious or contaminating substances.	
	groundwater, geotechnical and rock characteristics; potential	
	method of treatment; metallurgical test results; bulk density,	data
	survey results; geochemical survey results; bulk samples – size and	exploration
	including (but not limited to): geological observations; geophysical	substantive
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>Other exploration data, if meaningful and material, should be reported</li> </ul>	Other
	Exploration Results.	
	practicable, representative reporting or both low and high grades	Coporting
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>Where comprehensive reporting of all Exploration Results is not practicable representative reporting of both low and high grades</li> </ul>	Balanced
	drill hole collar locations and appropriate sectional views.	
	reported These should include, but not be limited to a plan view of	
	intercepts should be included for any significant discovery being	
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>Appropriate maps and sections (with scales) and tabulations of</li> </ul>	Diagrams
	width not known').	
	should be a clear statement to this effect (eg 'down hole length, true	lengths
	<ul> <li>If it is not known and only the down hole lengths are reported, there</li> </ul>	intercept
	angle is known, its nature should be reported.	widths and
	<ul> <li>If the geometry of the mineralisation with respect to the drill hole</li> </ul>	mineralisation
	Exploration Results.	between
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>These relationships are particularly important in the reporting of</li> </ul>	Relationship
	should be clearly stated.	
	<ul> <li>The assumptions used for any reporting of metal equivalent values</li> </ul>	
	such aggregations should be shown in detail.	
	for such aggregation should be stated and some typical examples of	
	results and longer lengths of low grade results, the procedure used	
	<ul> <li>Where aggregate intercepts incorporate short lengths of high grade</li> </ul>	
	grades) and cut-off grades are usually Material and should be stated.	methods
<ul> <li>Exploration Results are not being report as a Mineral Resources is</li> </ul>	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high</li> </ul>	Data aggregation
Commission	SCING Code exprairation	Cilicila
Commentary	JORC Code explanation	Criteria

## **Section 3 Estimation and Reporting of Mineral Resources**

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	င္ပ	
Database integrity	<ul> <li>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</li> <li>Data validation procedures used.</li> </ul>	•	Mr Olemedo, during his site visit reviewed all the drilling, sampling, data collection and recording and found them to be appropriate for Mineral Resource estimation and reporting.
Site visits	<ul> <li>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</li> <li>If no site visits have been undertaken indicate why this is the case.</li> </ul>	• •	A site visit was undertaken by Jose A. Olemedo (MSc) from the 6 September to 9 September 2021. Mr Olemedo reviewed all the drilling, sampling, data collection and recording and found them to be appropriate for Mineral Resource estimation and reporting.
Geological interpretation	<ul> <li>Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.</li> <li>Nature of the data used and of any assumptions made.</li> <li>The effect, if any, of alternative interpretations on Mineral Resource estimation.</li> </ul>	• • •	
	<ul> <li>The use or geology in guiding and controlling Mineral Kesource estimation.</li> <li>The factors affecting continuity both of grade and geology.</li> </ul>	•	No structural ractors were identified that limited the geology or mineralization.
Dimensions	<ul> <li>The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</li> </ul>	•	The mineralization has been modelled for 850 m east-west, 750 m north-south and 400m in elevation.
Estimation and modelling	<ul> <li>The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade</li> </ul>	•	The Mineral Resource was estimated using Ordinary Kriging and Datamine Software.
techniques	values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation	•	Drillhole samples were composited to 1 m lengths and top-capped if necessary, based on log-probability plots.
	method was chosen include a description of computer software and parameters used.	• •	No check or previous estimates were available or production records No assumptions were made regarding recovery of by-products.
	<ul> <li>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes</li> </ul>	• •	No deleterious elements were estimated.
	<ul> <li>appropriate account of such data.</li> <li>The assumptions made regarding recovery of by-products.</li> </ul>	•	of the general drillhole spacing. Sub-blocking was down to 2mE x 2mN.
	<ul> <li>Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).</li> </ul>	• •	No selective mining units were used.  No assumptions were made about the correlation between gold and silver.
	In the case of block model interpolation, the block size in relation to	•	The geology was used to define the wireframing of the mineralization

Environmen- tal factors or assumptions	Metallurgical factors or assumptions	Mining factors or assumptions	Cut-off parameters	Moisture		Criteria
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Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	The basis of the adopted cut-off grade(s) or quality parameters applied.	Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.	the average sample spacing and the search employed. Any assumptions behind modelling of selective mining units. Any assumptions about correlation between variables. Description of how the geological interpretation was used to control the resource estimates. Discussion of basis for using or not using grade cutting or capping. The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.	JORC Code explanation
•	•		•	•	• •	C
No assumptions of waste disposal were assumed.	No metallurgical treatment processes were assumed.	Previous underground mining has occurred within the area modelled. Areas of previous mining have been removed from the block model and reported resources. It was presumed that future mining will be by underground methods.	A 2 g/t AuEq cut-off was applied for reporting where AuEq = Au + Ag/70	The tonnages were estimated on a dry basis.	veins. Capping was applied. The model was validated by comparing to drillhole data along sections and preparing SWATH plots.	Commentary

Criteria	JORC Code explanation	Commentary
	these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.	
Bulk density	<ul> <li>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</li> <li>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</li> <li>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</li> </ul>	<ul> <li>The bulk density was determined for drillhole samples using appropriate wax immersion techniques.</li> <li>A constant bulk density of 2.56 t/m³ was used for reporting the Mineral Resource.</li> </ul>
Classification	<ul> <li>The basis for the classification of the Mineral Resources into varying confidence categories.</li> </ul>	<ul> <li>The Mineral Resource has been classified as Indicated or Inferred.</li> </ul>
	<ul> <li>Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</li> <li>Whether the result appropriately reflects the Competent Person's view of the deposit.</li> </ul>	<ul> <li>The Indicated resources are located where there is close drilling for two of the modelled veins.</li> <li>The Inferred resources are generally within the first estimation pass using ordinary kriging of the block grades</li> <li>The results appropriately reflects the CP view.</li> </ul>
Audits or reviews	<ul> <li>The results of any audits or reviews of Mineral Resource estimates.</li> </ul>	<ul> <li>No Audits or reviews of the Mineral Resource has been undertaken.</li> </ul>
Discussion of relative accuracy/confidence	<ul> <li>Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</li> <li>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</li> <li>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</li> </ul>	<ul> <li>The Mineral Resource classification as mostly Inferred reflects the Competent Persons assessment of the accuracy and confidence of the Mineral Resource estimate.</li> </ul>

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