

# HIGH-GRADE INTERCEPTS AT EL REFUGIO, COPALQUIN DISTRICT, MEXICO

### **Highlight Results**

- High-grade gold-silver intercepts at the eastern end of the El Refugio resource area, on sections 200 to 360
  - 7.00m @ 3.40 g/t gold, 227 g/t silver from 185.0m, (CDH-143), including
     3.00m @ 6.49 g/t gold, 454 g/t silver from 189.0m, plus
     4.70m @ 0.42 g/t gold, 41.0 g/t silver from 218.0m
  - 4.00m @ 2.27 g/t gold, 170 g/t silver from 106.0m, (CDH-146), plus
     Shallower intercepts of 1m up to 3.27g/t AuEq<sup>1</sup>
  - 2.50m @ 2.71 g/t gold, 125 g/t silver from 71.5m, (CDH-147)
- The drill results in the eastern end of El Refugio are important in demonstrating gold-silver mineralisation in the structure up dip and closer to a potential interaction with the high-grade La Soledad structure as well as adding to the resource footprint
- A drill core relogging programme is underway which will enhance resource modelling work and drill program design for La Soledad-El Refugio and expansion east to Los Pinos
- Study work is progressing to optimise an initial development at the highly attractive maiden high-grade gold-silver resource at El Refugio
- Having invested over US\$8m in direct exploration costs, Mithril has earned 50% interest in the Copalquin concessions as part of its exclusive option term to purchase 100% ownership, which extends by a further 3 years to August 2026

Mithril Resources Ltd (ASX: MTH) (**Mithril** or the **Company**) is pleased to provide exploration results for its 100% optioned Copalquin Gold Silver Project in Mexico where a maiden 529koz gold equivalent<sup>1</sup> high-grade gold-silver JORC resource has been defined at El Refugio-La Soledad \*(see ASX announcement 17 November 2021)

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

"The recent program of drilling at El Refugio has successfully extended and upgraded confidence both west and now east of the central El Refugio maiden resource area. Drilling continually intercepts high-grade mining widths as we progress work in this important part of the Copalquin Mining District. The drill core relogging program applying the past two years of drilling experience is opening up interpretation and opportunities, particularly for the more complex and high-grade La Soledad part of the maiden resource area and the eastern extension to Los Pinos. Drill core observations from the recent drilling point to significant ongoing resource depth potential for the major upwelling feeder zone at El Refugio as we progress the exploration program and development scenarios at Copalquin for resource expansion and gold-silver production.

<sup>&</sup>lt;sup>1</sup> see page 8 for JORC MRE details and AuEq calculation

#### El Refugio Drilling June-July 2022

Assay results have been received for the drilling completed on the eastern end of the El Refugio resource area. Importantly, core from these most recent holes have the first observed occurrences of platy quartz after calcite, a texture indicative of boiling and gold deposition. Late amethyst is also observed filling what was open space at the time of mineralisation. This texture is indicative of boiling. Visible silver minerals are commonly observed in the mineralised veins. Assay results include **7.00m** @ **3.40** g/t gold, **227** g/t silver from 185.0m, (CDH-143), including **3.00m** @ **6.49** g/t gold, **454** g/t silver from 189.0m, plus **4.70m** @ **0.42** g/t gold, **41.0** g/t silver from 218.0m. **4.00m** @ **2.27** g/t gold, **170** g/t silver from 106.0m, (CDH-146), plus shallower intercepts of 1m up to 3.27g/t AuEq and **2.50m** @ **2.71** g/t gold, **125** g/t silver from 71.5m, (CDH-147).

The recent drilling at El Refugio has successfully intercepted the main structure and given further direction for future drilling to target the projected main upwelling feeder zone of the El Refugio hydrothermal system.

#### El Refugio Drilling May-June 2022

In May-June 2022, a program of six drill holes at El Refugio was completed, with three drilled from a location slightly oblique to the main structure, in order to reduce the length of the drill holes to reach the targeted depth. The program successfully achieved the objective of locating the main structure and confirming high-grade gold and silver on the western side of the El Refugio resource area while providing additional information for the location of the upwelling feeder zone. The previously reported intercept in hole CDH-137 of **5.67m @ 4.37 g/t gold, 174g/t silver** from 331.33m, **(CDH-137)**, including **1.67m @ 9.64 g/t gold, 399 g/t silver** from 331.33 plus **1.00m @ 1.68 g/t gold, 67.2 g/t silver** from 367.0m and **1.00m @ 1.27 g/t gold, 46.1 g/t silver** from 370.0m filled a gap down dip on section 560 and drill hole CDH-136 confirms the downdip extension with some further high-grade gold and silver mineralisation and multiple intercepts.

The first drill holes on section 800 were reported with exceptional high-grade gold and silver intercepts in this western side of the El Refugio resource area with **5.83m @ 15.7 g/t gold, 474 g/t silver** from 91.77m, **(CDH-140)**, including **1.81m @ 45.5 g/t gold, 1,387 g/t silver** from 93.77m down dip of hole CDH-139 (Figure 7). This supports the high-grade previously intercepted 40m west by drill hole **CDH-094** with **18.87m @ 9.67g/t gold, 279g/t silver**.

#### **Core Relogging Program**

The core relogging program is underway for La Soledad and El Refugio drilling which will enable the geologic interpretation to be updated using the most recent knowledge developed for this important part of the Copalquin Mining District. This information is being used to update the database and to further develop the geologic model for design of the next round of drilling to continue to develop this significant deposit, aiming to extend the resource growth deeper and towards a possible interaction between the main El Refugio and La Soledad structures.



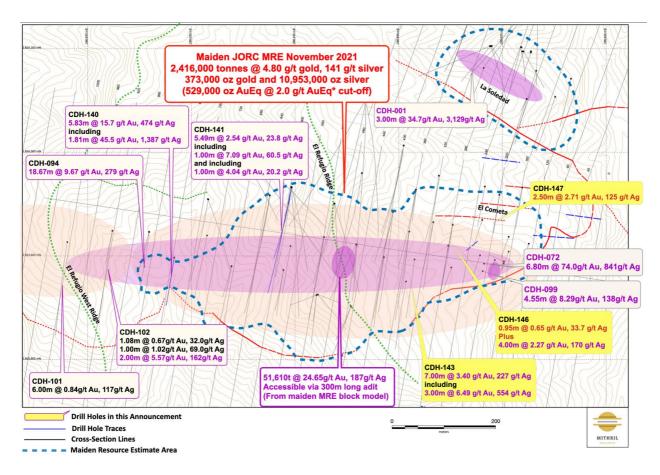


Figure 1 – Plan view at El Refugio – La Soledad showing the maiden JORC MRE area, drill traces and section lines with the locations of the drill intercepts for drill holes CDH-143, CDH-146 and CDH-147 reported in this announcement.

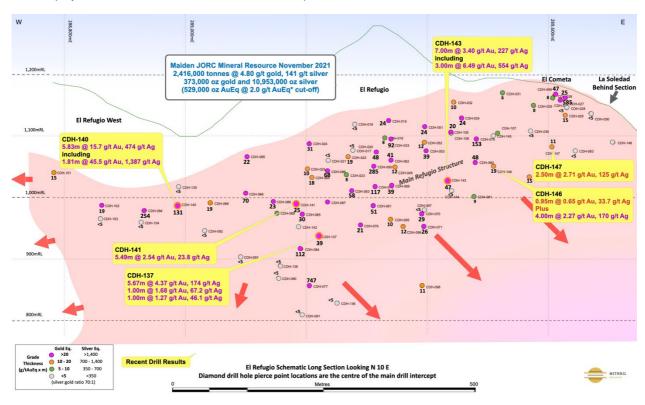


Figure 2 – Schematic long section for El Refugio showing the drill hole pierce points and the details of the recent drilling. Arrows highlighting the direction for resource expansion drilling.



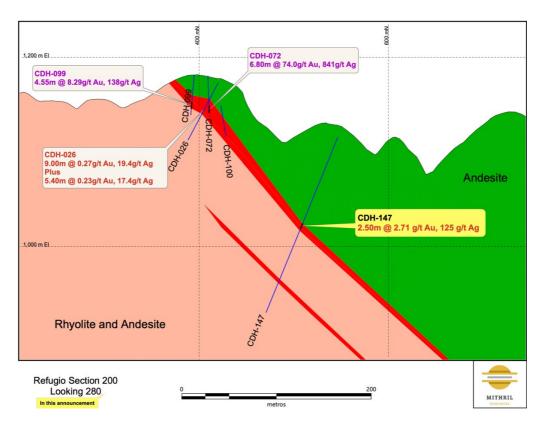


Figure 3 – Cross section 200 showing the intercept in the eastern most drilling with a good relatively near surface intercepts in the El Refugio vein. Further drilling required to follow-up this intercept

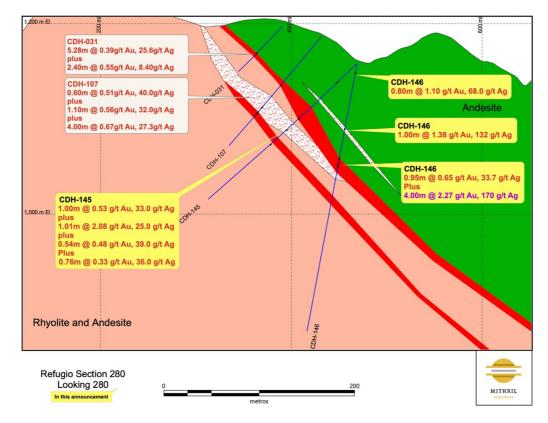


Figure 4 – Cross section 280 showing the well developed El Refugio structure hosting multiple gold-silver bearing veins with higher grades developing with the deeper intercept in CDH-146



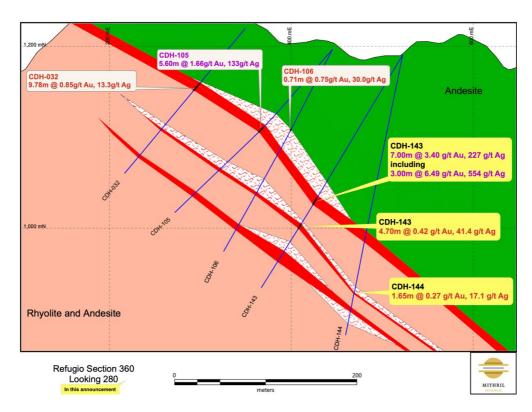


Figure 5 – Cross section 360 showing the multiple veins of the El Refugio structure with high-grade intercepts relatively near to the surface. Further drilling down dip to follow-up.

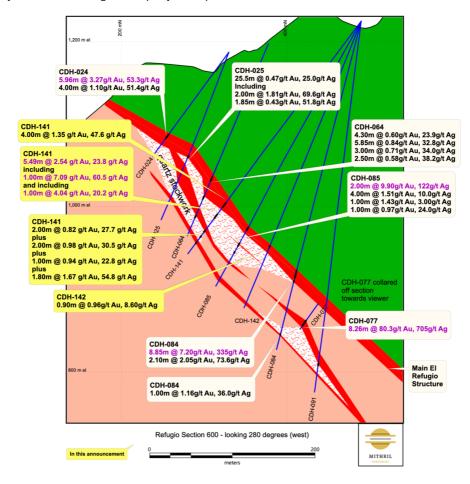


Figure 6 – Cross section 600 showing the well developed El Refugio structure which hosts multiple gold-silver bearing veins including very high-grade grades



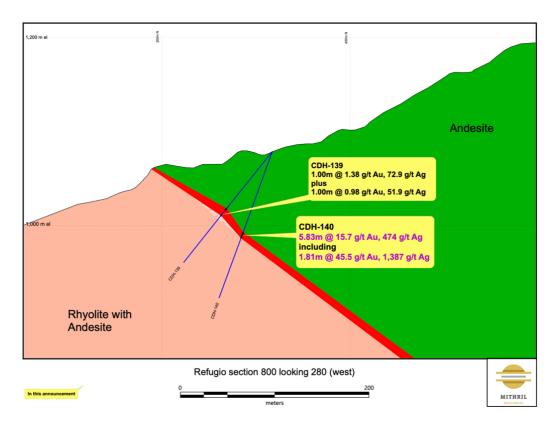


Figure 7 - Cross section 800 where the first drill holes have been completed at the western side of the El Refugio resource area with very high-grade gold and silver developing down dip and one section east of the high-grade CDH-094 intercept.

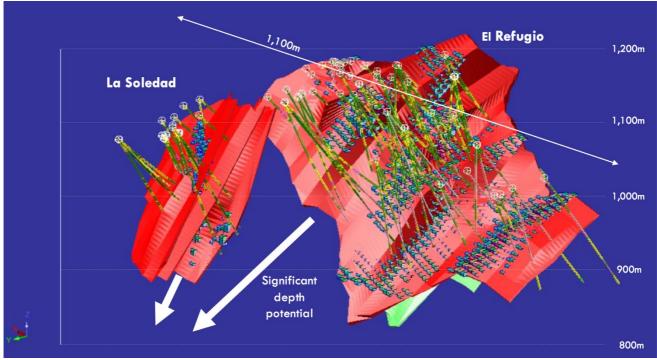


Figure 8 - Oblique long section showing the La Soledad and El Refugio vein models with drill hole traces and resource block model. Scale and elevations are approximate.

The above figure shows an oblique view of the La Soledad-El Refugio vein and block models with traces of drill holes to date. Recent drill logs and results show significant depth potential of this major system and also indicate the general



location of the El Refugio upwelling feeder zone and this is consistent with the epithermal gold-silver model shown in the figure below and further supported by the recent drill log observations.

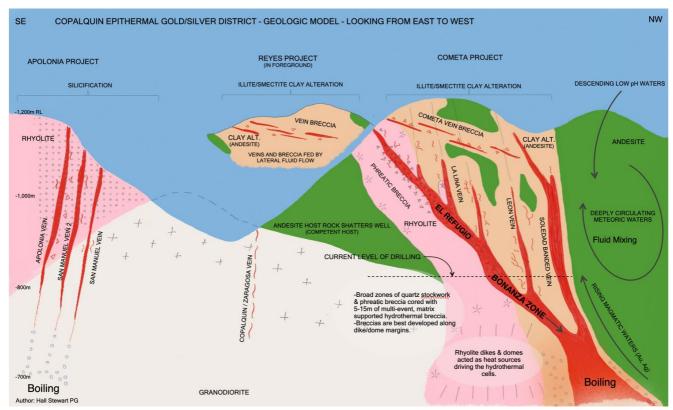


Figure 9 - Copalquin District Geologic Model for epithermal gold/silver - geologic model (author: Hall Stewart PG, Chief Geologist)

## **Scoping Study Work**

Work is progressing to assess the first stage development options to optimally exploit the high-grade El Refugio resource. Recent drilling has been spaced across the strike of the mineralized zone to infill strategic areas. There are options to reduce the mine development meterage and to take advantage of topography and high-grade zones within the El Cometa-El Refugio resource on the eastern side of the deposit to potentially produce attractive development economics including low initial capital requirements and short payback period. Mining



## 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.

Within 15 months of drilling in the Copalquin District, Mithril delivered a maiden JORC mineral resource estimate demonstrating the high-grade gold and silver resource potential for the district. This maiden resource is detailed below (see ASX release 17 November 2021).

- 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

	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\*

Mining study and metallurgical test work supports the development of the El Refugio-La Soledad resource with conventional mining methods indicated as being appropriate and with high gold-silver recovery to produce metal on-site with conventional processing.

Mithril is currently exploring in the Copalquin District to expand the resource footprint in 2022 to demonstrate its multi-million ounce gold and silver potential.

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.



**<sup>\*</sup>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. Actual metal prices have not been used in resource estimate, only the price ratio for the AuEq reporting.



Figure 10 – Satellite image of the Copalquin Mining District 70km2 concession area showing the two main lines of historic workings, areas of exploration work and the location of the maiden JORC MRE at El Refugio. The long sections indicated on the map are shown in the figures below

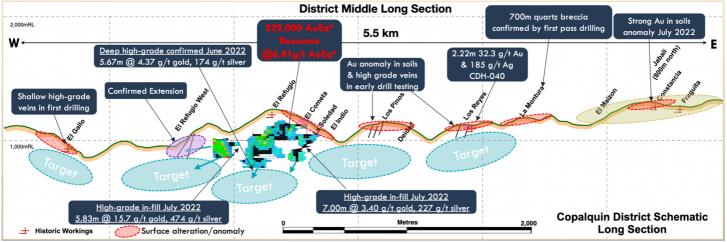


Figure 11 – Schematic long section of the Copalquin District Middle Section which includes the maiden JORC resource at El Refugio/La Soledad.

## **District South Section**

The Las Brujas-El Peru target is drill ready following positive results from the rock chip sampling program from within the historic mine working and the soils sampling program that revealed a good gold and silver anomaly. The historic mine workings at Las Brujas and at El Peru are connected by a 500m long surface trace of quartz vein.

Mapping and rock chip sampling of a north-south oriented structure at El Guamuchilito has been completed. Aerial drone surveying will continue until the end of the dry season usually around mid-late June.



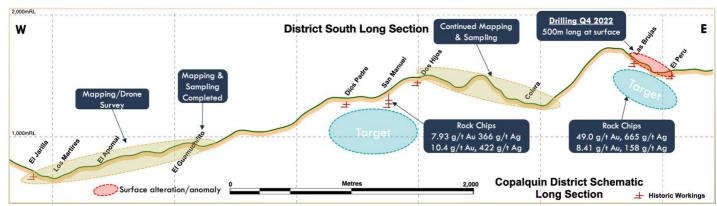


Figure 12 – Schematic long section of the District South Section, Copalquin Mining District.

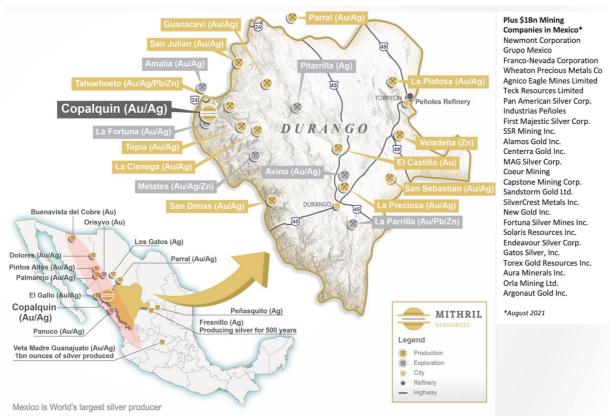


Figure 13 - Copalquin District location map with locations of mining and exploration activity within the state of Durango

#### -ENDS-

Released with the authority of the Board. For further information contact:

#### John Skeet

Managing Director and CEO jskeet@mithrilresources.com.au +61 435 766 809

## **Mark Flynn**

Investor Relations mflynn@mithrilresources.com.au +61 416 068 733



#### **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 report that relates to metallurgical test results, mineral processing and project development and study work has been compiled by Mr John Skeet who is Mithril's CEO and Managing Director. Mr Skeet is a Fellow of the Australasian Institute of Mining and Metallurgy. This is a Recognised Professional Organisation (RPO) under the Joint Ore Reserves Committee (JORC) Code.

Mr Skeet 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 Skeet consents to the inclusion in this report of the matters based on information in the form and context in which it appears. The Australian Securities Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release.

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# **APPENDICES**

# DRILL INTERCEPT TABLE

	From	То	Length	Au	Ag	AuEq <sup>1</sup>	g/t AuEq¹ x
	Interval	Interval	Interval	interval	interval	(g/t)	m MuEq. X
Hole_ID	(m)	(m)	(m)	(g/t)	(g/t)		
CDH-001	111.00	114.00	3.00	34.72	3129.3	79.43	238.28
CDH-002	91.95	96.50	4.55	5.64	325.7	10.29	46.84
CDH-002	115.20	115.70	0.50	3.60	330.0	8.31	4.16
CDH-002	141.20	141.70	0.50	9.57	825.0	21.36	10.68
CDH-002	188.30	188.85	0.55	1.84	57.8	2.66	1.46
CDH-003	116.60	117.10	0.50	0.40	42.4	1.01	0.50
CDH-004	Hole CDH-005 was abandon	ed at 10.5 m due	to pad subsic	lence heavy ra	ain		
CDH-005	Hole CDH-006 was abandon	ed at 87.0 m on	entry to an old	d mine workin	g		
CDH-006	Hole CDH-007 was abandon	ed at 12.0 m due	e to pad subsic	lence heavy ra	nin		
CDH-007	Hole CDH-009 was abandon	ed at 21.0 m due	to pad subsid	lence heavy ra	nin		
CDH-008	111.70	115.50	3.80	2.58	142.6	4.62	17.55
CDH-008	120.92	124.46	3.54	0.41	100.7	1.85	6.55
CDH-008	140.00	141.00	1.00	0.13	119.0	1.83	1.83
CDH-009							
CDH-010	105.00	105.80	0.80	0.84	38.4	1.38	1.11
CDH-010	105.80	110.6	Old Mine V	Vorking			
CDH-010	166.00	166.83	0.83	3.26	86.9	4.50	3.74
CDH-011	108.00	108.50	0.50	6.78	9.6	6.92	3.46
CDH-011	108.50	111.00	Old Mine V	Vorking			
CDH-011	111.00	112.50	1.50	6.65	18.1	6.91	10.36
CDH-012	206.93	209.75	2.82	2.37	22.0	2.69	7.58
CDH-013							
CDH-014	253.80	261.30	7.5	6.76	158.4	9.02	67.67
CDH-015	146	149.85	3.85	4.48	119.3	6.18	23.79
	including						
CDH-015	146.5	148.65	2.15	6.32	186.7	8.99	19.33
	and						
CDH-015	185.1	186	0.9	1.18	3.2	1.23	1.11
	and						
CDH-015	190.65	191.65	1	1.03	1.6	1.05	1.05
CDH-016		eportable int					
CDH-017	168.25	169.25	1	1.45	55.1	2.24	2.23
CDH-018	148.82	150.95	2.13	1.28	14.7	1.49	3.17
CDH-019	159	162	3	2.06	52.3	2.81	8.42
CDH-020	169	170.5	1.5	5.08	117.5	6.76	10.14
	and						
CDH-020	176.85	185.55	8.7	3.07	93.6	4.41	38.32
	including						
CDH-020	176.85	179.25	2.4	8.42	184.0	11.05	26.53
CDH-021	175.7	176.35	0.65	0.48	27.3	0.87	0.56
	and						
CDH-021	185.45	186	0.55	0.75	77.6	1.86	1.02
CDH-022	227.4	232.45	5.05	1.93	123.7	3.70	18.67
	Including	232,13	5.05	55	.25.7		
CDH-022	227.4	229.55	2.15	3.28	140.0	5.28	11.35
CDH-022	223.51	226	2.49	2.09	68.0	3.06	7.61
CDH-023	223.31	220	2.49	2.09	00.0	5.00	7.01



CDH-024	123.6	129.56	5.96	3.27	53.3	4.03	24.01
	and						
CDH-024	135.35	139.35	4	1.10	51.4	1.83	7.32
CDH-025	131	156.5	25.5	0.47	25.0	0.83	21.21
	Including						
CDH-025	135	137	2	1.81	69.6	2.80	5.60
	and						
CDH-025	145.59	147.44	1.85	0.43	51.8	1.17	2.17
CDH-026	13.5	22.5	9	0.27	19.4	0.54	4.90
	and						
CDH-026	29.5	34.9	5.4	0.23	17.4	0.48	2.59
CDH-027	10.9	22.6	11.7	1.16	70.0	2.16	25.32
	including						
CDH-027	15	16	1	7.17	236	10.54	10.54
CDH-028	25	28	3	0.18	15.3	0.40	1.21
CDH-029	29.6	32.5	2.9	1.93	215.7	5.01	14.53
CDH-030	10	13.7	3.7	0.17	19.4	0.45	1.66
CDH-031	35.72	41	5.28	0.39	25.6	0.75	3.98
	and						
CDH-031	56	58.4	2.4	0.55	8.4	0.67	1.61
CDH-032	78.75	88.53	9.78	0.85	13.3	1.04	10.18
CDH-033	206.3	215.65	9.35	7.84	138.1	9.81	91.76
	Including						
CDH-033	207	211	4	16.44	286.8	20.54	82.16
CDH-034	78.8	96.25	17.45	0.75	41.6	1.34	23.37
	including						
CDH-034	82.85	84.15	1.3	5.07	308.8	9.48	12.33
CDH-035	42	52.15	10.15	0.55	15.5	0.77	7.83
	including						
CDH-035	42	43	1	3.75	69.6	4.74	4.74
CDH-036	28.42	29.92	1.5	0.67	17.5	0.92	1.38
CDH-036	44.85	45.37	0.52	2.08	99.0	3.49	1.82
CDH-037	44.15	45.15	1	0.29	2.10	0.32	0.32
CDH-037	49.4	49.9	0.5	1.44	20.8	1.73	0.87
CDH-037	71.45	84.99	13.54	0.73	18.3	0.99	13.45
CDH-037	144.4	144.92	0.52	0.41	4.2	0.47	0.24
CDH-049	208.27	212	3.73	1.12	37.74	1.66	6.19
CDH-049	231	235	4	1.08	27.4	1.47	5.90
CDH-050	233.43	237.6	4.17	62.03	444.5	68.38	285.16
CDH-050	247	248	1	0.34	66.2	1.29	1.28
CDH-051	135.6	139	3.4	4.72	170.8	7.16	24.35
CDH-052	143.8	151.87	8.07	0.92	39.22	1.48	11.94
CDH-053	143.6	146	2.4	0.81	37.37	1.34	3.21
CDH-053	149	163.6	14.6	1.92	47.14	3.07	37.84
	including						
CDH-053	153.57	157.57	4	4.52	80.05	5.66	22.63
CDH-054	288.25	293.13	4.88	10.36	80.85	11.52	56.21
CDH-061	271	279.75	8.75	0.88	24.31	1.23	10.75
CDH-061	323.23	339	15.77	1.44	76.30	2.53	39.92
CDH-062	259.7	264.52	4.82	4.12	107.13	5.65	27.23
CDH-062	299.5	307.02	7.52	1.54	24.63	1.90	14.26
CDH-062	317.13	317.68	0.55	1.40	36.00	1.91	1.05
CDH-063	289.3	297.3	8	4.86	84.41	6.06	48.49
CDH-063	309.32	309.96	0.64	1.14	44.00	1.77	1.13



CDH 064	165	160.2	12	0.60	22.05	0.04	4.06
CDH-064	165	169.3	4.3	0.60	23.95 <b>32.80</b>	0.94 <b>1.31</b>	7.68
CDH-064	175.2 201	181.05	<b>5.85</b>	0.84		1.31	3.60
CDH-064 CDH-064		204 229	2.5	0.71	34.00		2.81
	226.5			0.58	38.20	1.12	1.14
CDH-065	111.68	112.7			15.00	1.11	1.08
CDH-065	119.8	120.8	187.67 <b>1.37</b>		42.00	1.08	19.73
CDH-065 CDH-066	186.3 143.22	170	26.78	8.73 2.26	397.30 25.16	14.40 2.61	70.03
CDH-000	Including	170	20.76	2.20	25.10	2.01	70.03
CDH-066	145.44	147.15	1.71	5.23	160.23	7.52	12.86
CDH-000	and including	147.13	1.71	3.23	100.23	7.52	12.00
CDH-066	159	161	2	15.61	35.00	16.11	32.21
CD11-000	and including	101		13.01	33.00	10.11	
CDH-066	164.58	165.8	1.22	5.87	5.50	5.95	7.26
CDH-067	195.95	196.66	0.71	0.77	23.0	1.1	0.78
CDH-067	189.9	190.00	1	1.17	41.0	1.76	1.76
CDH-068	155.84	160.45	4.61	1.87	89.3	3.15	14.52
CDH-068	176.41	177.18	0.77	4.00	37.0	4.53	3.49
CDH-068	193.38	194.28	0.9	0.59	38.0	1.13	1.02
CDH-069	253.25	260.85	7.6	2.34	143.6	4.39	33.36
CDH-069	266.35	267.35	1	2.64	167.0	5.03	5.03
CDH-069	275.2	275.8	0.6	0.69	34.0	1.18	0.71
CDH-069	313.8	314.8	1	1.89	74.0	2.95	2.95
CDH-070	212.85	213.35	0.5	0.56	39	1.12	0.56
CDH-070	133	134	1	1.61	10	1.75	1.75
CDH-070	154	155	1	0.88	15	1.09	1.09
CDH-070	157.55	159.35	1.8	2.38	53.14	3.14	5.65
CDH-070	235.87	236.87	1	4.94	96	6.31	6.31
CDH-070	240	246	6	1.41	66.05	2.35	14.10
	including						
CDH-070	240	240.5	0.5	9.53	613	18.29	9.15
CDH-071	186	187.05	1.05	2.36	95.26	3.72	3.91
CDH-071	222.77	223.27	0.5	28.9	471	35.63	17.82
CDH-071	243.5	245.16	1.66	2.41	152.75	4.59	7.62
CDH-071	258	258.5	0.5	0.88	10	1.02	0.51
CDH-071	321	321.6	0.6	0.11	156	2.34	1.40
CDH-072	31	32	1	0.53	35	1.03	1.03
CDH-072	35.2	42	6.8	74.04	840.54	86.05	585.1
	including						
CDH-072	37.9	40	2.1	235.14	2,554.29	271.63	570.4
CDH-073	39.2	39.7	0.5	0.84	53	1.6	0.80
CDH-074	41.2	42	0.8	0.66	59	1.5	1.20
CDH-075	300.3	303	2.7	13.75	82.93	14.94	40.34
CDH-075	307.05	311.3	4.25	10.90	363.65	16.09	68.38
	including						
CDH-075	307.05	309.7	2.65	16.31	414.45	22.23	58.92
CDH-075	315	317	2	1.02	17.50	1.27	2.54
CDH-075	358.5	363	4.5	0.84	34.78	1.34	6.03
CDH-076	342	344.4	2.4	0.93	15.60	1.16	2.78
CDH-076	373	378	5	2.06	95.40	3.43	17.15
CDH-076	383	384	1	0.86	39.0	1.42	1.42
CDH-077	468.34	476.6	8.26	80.3	705	90.4	747.0
	including						
CDH-077	468.34	474.6	6.26	106.0	913	119.0	745.0
CDH-078	No reportable int						



CDH-079	86.6	99.0	12.4	7.60	332	12.34	153
6511 073	Including	33.0		7.00	332	12.51	
CDH-079	90.0	94.19	4.19	18.1	810	29.7	124.3
CDH-080	112.19	118.3	6.11	5.08	197	7.89	48.2
	Including						
CDH-080	116.00	118.3	2.30	9.47	399	15.2	34.9
CDH-081	189.88	191.47	1.59	3.06	122.36	4.8	7.63
CDH-081	197	197.5	0.5	1.96	21	2.26	1.13
CDH-082	51.5	52.1	0.6	1.29	87	2.53	1.52
CDH-082	71	72	1	0.78	35	1.28	1.28
CDH-082	81.45	82.35	0.9	0.84	28	1.24	1.12
CDH-082	140	143.8	3.8	2.26	44.32	2.89	10.98
CDH-083	50	52.8	2.8	0.93	42.29	1.53	4.28
CDH-084	312.15	321	8.85	7.2	235.32	10.56	93.46
including							
CDH-084	317	319.5	2.5	18.22	582.8	26.55	66.38
CDH-084	324.9	327	2.1	2.05	73.56	3.1	6.51
CDH-084	394	395	1	1.16	36	1.67	1.67
CDH-085	286	288	2	9.9	122.5	11.65	23.3
	Including						
CDH-085	286	287	1	19.00	209.0	21.99	21.99
CDH-085	307	311	4	1.51	10	1.66	6.64
CDH-085	319	320	1	1.43	3	1.47	1.47
CDH-085	324	325	1	0.97	24	1.31	1.31
CDH-086	250.71	263	12.29	4.08	85.16	5.3	65.14
	Including						
CDH-086	250.71	252.21	1.5	8.98	137	10.94	16.41
	And including						
CDH-086	258	260	2	15.35	333	20.11	40.22
CDH-086	270	271	1	0.1	227	3.34	3.34
CDH-086	287	289	2	0.84	33	1.31	2.62
CDH-086	294.62	296	1.38	0.84	19	1.11	1.53
CDH-086	301.95	303	1.05	0.46	52	1.2	1.26
CDH-087	252.1	261	8.9	0.97	5.53	1.04	9.26
CDH-087	272	273	1	0.59	64	1.5	1.5
CDH-087	301.92	302.46	0.54	2.25	12	2.42	1.31
CDH-087 CDH-088	349	352	3	3.71	79	4.84	14.52
CDH-088	240.8 254	243 261	2.2 <b>7</b>	0.65 <b>0.94</b>	24.95 <b>40.57</b>	1.01 <b>1.52</b>	2.22 <b>10.64</b>
CDH-088	284.5	290.7	6.2	1.15	37.84	1.69	10.64
CDH-089	254.5	255.95	1.45	1.13	44	1.03	2.75
CDH-089	314.2	315.2	1.43	1.21	56	2.01	2.73
CDH-090	336	313.2	1	1.13	13	1.32	1.32
CDH-090	418.48	419	0.52	1.64	3	1.68	0.87
CDH-092	No reportable int	715	0.52	1.0-	3	1.00	0.07
CDH-093	No reportable int						
CDH-094	137	140	3	1.88	61.7	2.76	8.28
CDH-094	144	162.67	18.67	9.64	278.8	13.63	254.5
	Including						
CDH-094	148.89	158.2	9.3	17.9	482.2	24.8	230.6
CDH-095	353.75	355.75	2	1.02	44	1.64	3.28
CDH-095	376.55	377.55	1	0.72	32	1.18	1.18
CDH-095	385	386	1	4.29	17	4.53	4.53
CDH-096	327	328	1	4.47	7	4.57	4.57
CDH-096	342	343	1	0.65	26	1.02	1.02



CDIT 00C	200	267	1	1	4	1.00	1.00
CDH-096	366	367	1	-	4	1.06	1.06
CDH-096	370	371	1	0.77	19	1.04	1.04
CDH-096	374	376	2	1.33	60	2.19	4.38
CDH-097	262.45	263.45	1	1.73	26	2.1	2.1
CDH-098	288	289	1	1.18	11	1.34	1.34
CDH-098	299.2	299.7	0.5	6.5	94	7.84	3.92
CDH-098	377	378	1	3.61	22	3.92	3.92
CDH-098	414	415	1	0.03	70	1.03	1.03
CDH-098	423.55	424.1	0.55	1.95	2	1.98	1.09
CDH-099	28	32.55	4.55	8.29	137.58	10.25	46.64
6511.000	including	22.7				24.42	
CDH-099	28	29.7	1.7	20.24	297.65	24.49	41.63
CDH-100	no reportable int		_				
CDH-101	177.2	183.2	6	0.84	117.33	2.52	15.12
CDH-102	177.92	179	1.08	0.67	32	1.13	1.22
CDH-102	183	184	1	1.02	69	2.01	2.01
CDH-102	187.3	189.3	2	5.57	162.5	7.89	15.78
	Including						
CDH-102	188.3	189.3	1	9.07	240	12.5	12.5
CDH-103	no reportable int						
CDH-104	no reportable int						
CDH-105	115.77	121.37	5.6	1.66	132.73	3.56	19.94
CDH-106	99.29	100	0.71	0.75	30	1.18	0.84
CDH-107	67	67.6	0.6	0.51	40	1.08	0.65
CDH-107	96.9	98	1.1	0.56	32	1.02	1.12
CDH-107	104.4	108.4	4	0.67	27.25	1.06	4.24
CDH-108	no reportable int						
CDH-109	41	47	6	1.84	23.67	2.17	13.02
CDH-109	55	56	1	1.79	25	2.15	2.15
CDH-109	59.3	61	1.7	1.77	116.75	3.43	5.83
CDH-109	78.5	80.64	2.14	0.89	63.88	1.8	3.85
CDH-110	70.75	75.55	4.8	0.91	56.83	1.72	8.26
CDH-110	109	111.3	2.3	1.75	134.76	3.67	8.44
CDH-111	77.3	85.4	8.1	1.64	105.87	3.16	25.6
CDH-111	98	99	1	1.5	30	1.93	1.93
CDH-111	107	107.75	0.75	1.59	220	4.73	3.55
CDH-111	140	140.5	0.5	2.21	61	3.08	1.54
CDH-111	190	191	1	1.2	2	1.23	1.23
CDH-127	21.37	21.91	0.54	4.48	412	10.37	5.6
CDH-127	25.5	26.5	1	2.69	179	5.25	5.25
CDH-128	43	44	1	1.64	5	1.71	1.71
CDH-128	50	52	2	2.55	184	5.17	10.38
CDH-136	368.5	369	0.5	2.13	118	3.82	1.91
CDH-136	375.4	376	0.6	0.662	42.8	1.27	0.76
CDH-136	377.9	378.4	0.5	0.388	45.4	1.04	0.52
CDH-136	431.85	432.75	0.9	1.04	11.3	1.2	1.08
CDH-137	331.33	337	5.67	4.37	173.7	6.85	38.84
	including						
CDH-137	331.33	333	1.67	9.64	398.57	15.33	25.6
CDH-137	367	368	1	1.68	67.2	2.64	2.64
CDH-137	370	371	1	1.265	46.1	1.92	1.92
CDH-138	No reportable int						
CDH-139	78	79	1	1.38	72.9	2.42	2.42
CDIT 133							
CDH-139	86	87	1	0.98	51.9	1.72	1.72



	including						
CDH-140	93.77	95.58	1.81	45.5	1,387	66.73	120.78
CDH-141	276	280	4	1.35	47.63	2.03	8.12
CDH-141	292.51	298	5.49	2.54	23.8	2.88	15.81
CDH-141	317	319	2	0.82	27.65	1.22	2.44
CDH-141	325	327	2	0.98	30.45	1.42	2.84
CDH-141	331	332	1	0.94	22.8	1.27	1.27
CDH-141	334	335.8	1.8	1.67	54.76	2.45	4.41
CDH-142	294.5	295.4	0.9	0.96	8.6	1.08	0.97
CDH-143	185	192	7	3.4	227.34	6.65	46.55
	including						
CDH-143	189	192	3	6.49	454	12.97	38.91
CDH-143	218	222.7	4.7	0.42	41.43	1.01	4.75
CDH-144	no reportable int						
CDH-145	28	29	1	0.53	33	1	1
CDH-145	82.69	83.7	1.01	2.08	25	2.44	2.46
CDH-145	100.15	100.69	0.54	0.48	39	1.04	0.56
CDH-145	123	123.76	0.76	0.33	36	0.84	0.64
CDH-146	8.5	9.3	0.8	1.1	68	2.07	1.66
CDH-146	68.7	69.7	1	1.38	132	3.27	3.27
CDH-146	101.2	102.15	0.95	0.65	33.68	1.13	1.07
CDH-146	106	110	4	2.27	170.35	4.71	18.84
CDH-147	71.5	74	2.5	2.71	125.4	4.5	11.25
CDH-148	no reportable int	1				1	

Table 2 – Drill intercepts table for drilling at El Refugio – La Soledad



# JORC Code, 2012 Edition – Table 1

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>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.</li> <li>Include reference to measures taken to ensure sample represenitvity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> </ul>	<ul> <li>Samples for the Copalquin, Mexico drill programs consist of ½ HQ core cut lengthwise with a diamond saw. Intervals are nominally 1 m but may vary between 1.5 m to 0.5 m based on geologic criteria.</li> <li>Deeper portions of holes from CDH-075 onward consist of ½ NQ core. Sample sizes are tracked by core diameter and sample weights.</li> <li>The same side of the core is always sent to sample (left side of saw).</li> <li>Reported intercepts are calculated as either potentially underground mineable (below 120m below surface) or as potentially open-pit mineable (near surface).</li> <li>Potentially underground mineable intercepts are calculated as length weighted averages of material greater than 1 g/t AuEQ_70 allowing up to 2m of internal dilution.</li> <li>Potentially open-pit mineable intercepts are calculated as length weighted averages of material greater than 0.25 g/t AuEQ_70 allowing for up to 2m of internal dilution.</li> <li>2021 soil sampling has been carried out by locating pre-planned points by handheld GPS and digging to below the first colour-change in the soil (or a maximum of 50 cm). In the arid environment there is a 1 – 10 cm organic horizon and a 10 – 30 cm B horizon 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 (XRF). Mithril uses an Olympus Vanta 50kV X-Ray fluorescence analyser with a lower detection limit for silver of 2 ppm.</li> <li>Rock chip sampling is done with hammer and chisel along continuous chip lines oriented perpendicular to the mineralized structure. The samples are as representative as possible.</li> </ul>
Drilling techniques	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).	Drilling is done with an MP500 man-portable core rig capable of drilling HQ size core to depths of 400 m. Core is recovered in a standard tube. Less than 7% of the total core drilled is NQ size core (as of 2022-01-15).
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	<ul> <li>Drill recovery is measured based on measured length of core divided by length of drill run.</li> <li>Recovery in holes CDH-001 through CDH-025 and holes CDH-032 through CDH-077 was always above 90% in the mineralized</li> </ul>



Criteria	JORC Code explanation	Commentary
	<ul> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul> <li>zones. Detailed core recovery data are maintained in the project database.</li> <li>Holes CDH-026 through CDH-031 had problems with core recovery in highly fractured, clay rich breccia zones.</li> <li>There is no adverse relationship between recovery and grade identified to date.</li> </ul>
Logging	<ul> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>Core samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Core logging is both qualitative or quantitative in nature. Photos are taken of each box of core before samples are cut. Core is wetted to improve visibility of features in the photos.</li> <li>All core has been logged and photographed.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>Core is sawn and half core is taken for sample.</li> <li>Samples are prepared using ALS Minerals Prep-31 crushing, splitting and pulverizing. This is appropriate for the type of deposit being explored.</li> <li>Visual review to assure that the cut core is ½ of the core is performed to assure representativity of samples.</li> <li>field duplicate/second-half sampling is undertaken for 3% of all samples to determine representativity of the sample media submitted.</li> <li>Sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and</li> </ul>	<ul> <li>Samples are assayed for gold using ALS Minerals Au-AA25 method a 30 g fire assay with an AA finish. This is considered a total assay technique.</li> <li>Samples are assayed for silver using ALS Minerals ME-ICP61 method. Over limits are assayed by AgOG63 and AgGRAV21. These are considered a total assay technique.</li> <li>Standards, blanks and duplicates are inserted appropriately into the sample stream. External laboratory checks will be conducted.</li> </ul>



Criteria	JORC Code explanation	Commentary
	model, reading times, calibrations factors applied and their 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>as sufficient samples are collected. Levels of accuracy (ie lack of bias) and precision have not yet been established.</li> <li>Soil sampling is also subject to a program of standards and blanks using the X-ray florescence (XRF) analyser. Results are acceptable. Samples were analysed using three wavelengths 50Kv, 40 Kv and 15 Kv for times of 120 seconds, 30 seconds and 30 seconds respectively.</li> <li>Samples with significant amounts of observed visible gold are also assayed by AuSCR21, a screen assay that analyses gold in both the milled pulp and in the residual oversize from pulverization. This has been done for holes CDH-075 and CDH-077.</li> </ul>
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	The verification of significant intersections by either independent or alternative company personnel has not been conducted. A re-assay program of pulp duplicates is currently in progress.
	<ul> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>The use of twinned holes. No twin holes have been drilled.</li> <li>MTH has drilled one twin hole. Hole CDH-072, reported in the 15/6/2021 announcement, is a twin of holes EC-/002 and UC-03. Results are comparable.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols are maintained in the company's core facility.</li> </ul>
		Assay data have not been adjusted other than applying length weighted averages to reported intercepts.
Location of data points	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> </ul>	Drill collar coordinates are currently located by handheld GPS.  Precise survey of hole locations is planned. Downhole surveys of hole deviation are recorded for all holes. Locations for holes CDH-001 through CDH-048 and CDH-051 through CDH-068 have been surveyed with differential GPS to a sub 10 cm precision.
	<ul> <li>Quality and adequacy of topographic control.</li> </ul>	UTM/UPS WGS 84 zone 13 N      High quality topographic control from Photosat covers the entire drill project area.
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the</li> </ul>	Data spacing is appropriate for the reporting of Exploration Results.      The Resource estimation re-printed in this announcement was originally released on 16 Nov 2021
	degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	No sample compositing has been applied.



Criteria	JORC Code explanation	Commentary
	Whether sample compositing has been applied.	
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul> <li>Cut lines are marked on the core by the geologists to assure that the orientation of sampling achieves unbiased sampling of possible structures. This is reasonably well observed in the core and is appropriate to the deposit type.</li> <li>The relationship between the drilling orientation and the orientation of key mineralised structures is not considered to have introduced a sampling bias.</li> </ul>
Sample security	The measures taken to ensure sample security.	Samples are stored in a secure core storage facility until they are shipped off site by small aircraft and delivered directly to ALS Minerals.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	A review with spot checks was conducted by AMC in conjunction with the resource estimate published 16 Nov 2021. Results were satisfactory to AMC.

# **Section 2 Reporting of Exploration Results**

Criteria	JORC Code explanation	Comme	ntary				
Mineral tenement and land	Type, reference     name/number, location and     ownership including	•	Concessions at C	opalquin			
tenure status	agreements or material issues with third parties such as joint ventures, partnerships, overriding	No.	Concession	Concession Title number	Area (Ha)	Location	
	royalties, native title interests, historical sites,	1	LA SOLEDAD	52033	6	Tamazula, Durango, Mexico	
	wilderness or national park and environmental settings.	•	2	EL COMETA	164869	36	Tamazula, Durango, Mexico
	The security of the tenure	3	SAN MANUEL	165451	36	Tamazula, Durango, Mexico	
	held at the time of reporting along with any known	4	COPALQUIN	178014	20	Tamazula, Durango, Mexico	
	impediments to obtaining a licence to operate in the area.	5	EL SOL	236130	6,000	Tamazula, Durango and Badiraguato, Sinaloa, Mexico	
		6	EL CORRAL	236131	907.3243	Tamazula, Durango and Badiraguato, Sinaloa, Mexico	



Criteria	JORC Code explanation	Commentai	у						
Exploration done by other parties	<ul> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul> <li>late 1990's and in 2005 – 2007. Work done by these companies is historic and JORC compliant. Mithril uses these historic data only as a general guide and wi incorporate work done by these companies in resource modelling.</li> <li>Work done by the Mexican government and by IMMSA and will be used for modelling of historic mine workings which are now inaccessible (void model)</li> <li>Copalquin is a low sulfidation epithermal gold-silver deposit hosted in andesite</li> </ul>					oric and non- de and will not ed for		
Geology	Deposit type, geological     setting and style of     mineralisation.						ental of Mexico and is bunded by haloes of argillic th low-angle semi-continuous and andesite and as tabular thickness has been observed up or of 3 to 5 meters. The overall one from El Gallo to Refugio, ancia is almost 6 kilometres. The		
Drill hole Information	<ul> <li>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:</li> </ul>	CDH-003 CDH-004 CDH-005 CDH-006	WGS84_E 289591 289591 289591 289591 289665 289665	WGS84_N 2824210 2824210 2824210 2824210 2824195 2824195	EI_M 1113 1113 1113 1113 1083 1083	Azimut 220 165 155 245 205 200	-65 -60 -70 -55 -60	Depth 210.50 204.00 153.00 202.50 10.50 87.00	Target Soledad Soledad Soledad Soledad Soledad Soledad Soledad
	<ul> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above</li> </ul>	CDH-007 CDH-008 CDH-009 CDH-010 CDH-011	289665 289645 289645 289649 289649 289678	2824195 2824196 2824196 2824206 2824206 2824313	1083 1088 1088 1083 1083 1095	240 150 197 198 173 200	-68 -62 -70 -64 -62 -45	12.00 165.00 21.00 180.00 138.00 228.00	Soledad Soledad Soledad Soledad Soledad Soledad
	<ul> <li>sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> </ul>	CDH-013 CDH-014 CDH-015 CDH-016	289678 289678 289311 289311	2824313 2824313 2823706 2823706	1095 1095 1271 1271	180 220 200 200	-45 -45 -75 -60	240.30 279.00 256.50 190.50	Soledad Soledad Refugio Refugio
	down hole length and     interception depth	CDH-017 CDH-018 CDH-019	289234 289234 289234	2823727 2823727 2823727	1236 1236 1236	190 190 140	-75 -53 -65	171.00 159.00 201.00	Refugio Refugio Refugio
	<ul><li>hole length.</li><li>If the exclusion of this</li></ul>	CDH-020 CDH-021 CDH-022 CDH-023	289234 289234 289255 289255	2823727 2823727 2823835 2823835	1236 1236 1251 1251	115 250 190 190	-78 -75 -54 -70	216.00 222.00 261.00 267.00	Refugio Refugio Refugio Refugio
	information is justified on the basis that the information is not Material and this exclusion does not	CDH-024 CDH-025 CDH-026 CDH-027	289170 289170 289585 289605	2823774 2823774 2823795 2823790	1185 1185 1183 1179	190 190 200 200	-55 -70 -50 -60	150.00 213.00 51.00 51.00	Refugio Refugio Cometa Cometa
	detract from the understanding of the report, the Competent Person should clearly explain why	CDH-028 CDH-029 CDH-030 CDH-031	289612 289611 289653 289510	2823815 2823835 2823823 2823781	1170 1152 1153 1197	200 200 200 200	-45 -45 -45 -45	51.00 60.00 55.50 66.00	Cometa Cometa Cometa Cometa
	this is the case.	CDH-032 CDH-033 CDH-034 CDH-035	289414 289325 289429 289560	2823752 2823822 2823795 2823800	1223 1269 1197 1185	190 190 190 200	-50 -55 -50 -45	207.00 270.00 183.00 69.00	Refugio Refugio Refugio Cometa
		CDH-036 CDH-037	289556 289650	2823868 2824145	1150 1156	200	-45 -45	75.00 159.40	Cometa Soledad



Criteria	JORC Code explanation	Commentai	Commentary							
		CDH-038	289565	2824170	1185	200	-45	135.00	Soledad	
		CDH-039	290765	2823760	1119	230	-70	123.00	Los Reyes	
		CDH-040	290801	2823733	1112	230	-51	123.00	Los Reyes	
		CDH-041	290842	2823702	1120	240	-45	120.00	Los Reyes	
		CDH-042	290365	2823765	1128	200	-50	60.00	Los Pinos	
		CDH-043	290365	2823765	1128	0	-90	15.00	Los Pinos	
		CDH-044	292761	2824372	1489	200	-62	130.50	Constancia	
		CDH-045	292761	2824372	1489	240	-62	130.50	Constancia	
		CDH-046	292778	2824259	1497	240	-70	133.00	Constancia	
		CDH-047	290887	2822835	1285	265	-65	234.00	San Manuel	
		CDH-048	290902	2822734	1335	265	-65	249.00	San Manuel	
		CDH-049	289325	2823822	1269	185	-70	282.00	Refugio	
		CDH-050	289325	2823822	1269	206	-67	288.00	Refugio	
		CDH-051	289370	2823795	1225	190	-47	201.00	Refugio	
		CDH-052	289370	2823795	1225	190	-60	231.00	Refugio	
		CDH-053	289385	2823885	1200	190	-47	211.00	Refugio	
		CDH-054	289536	2824255	1155	200	-70	321.00	Soledad	
		CDH-055	289738	2824140	1074	190	-60	174.00	Soledad	
		CDH-056	290903	2824030	1182	295	-45	102.00	Los Reyes	
		CDH-057	290841	2823795	1143	217	-50	201.00	Los Reyes	
		CDH-058	290841	2823795	1143	240	-55	222.00	Los Reyes	
		CDH-059	290867	2823750	1142	230	-50	180.00	Los Reyes	
		CDH-060	290765	2823810	1110	230	-50	183.00	Los Reyes	
		CDH-061	289280	2823900	1285	177	-64	351.00	Refugio	
		CDH-062	289280	2823900	1285	162	-62	345.00	Refugio	
		CDH-063	289280	2823900	1285	195	-70	351.00	Refugio	
		CDH-064	289190	2823820	1190	190	-67	240.00	Refugio	
		CDH-065	289077	2823776	1150	190	-55	246.00	Refugio	
		CDH-066	289077	2823776	1150	190	-75	253.00	Refugio	
		CDH-067	289077	2823776	1150	0	-90	198.00	Refugio	
		CDH-068	289021	2823837	1115	190	-55	213.00	Refugio	
		CDH-069	289325	2823822	1269	0	-90	345.00	Refugio	
		CDH-070	289385	2823885	1200	190	-64	300.00	Refugio	
		CDH-071	289385	2823885	1200	190	-76	339.00	Refugio	
		CDH-072	289565	2823788	1190	100	-45	81.00	Cometa	
		CDH-073	290243	2823763	1140	200	-55	201.00	Los Pinos	
		CDH-074	290149	2823830	1120	200	-55	219.00	Los Pinos	
		CDH-075	289330	2823963	1288	190	-60	396.00	Refugio	
		CDH-076	289335	2824100	1250	190	-55	477.00	Refugio	
		CDH-077	289335	2824100	1250	210	-53	480.00	Refugio	
		CDH-078	289666	2824300	1092	220	-60	325.00	Soledad	
		CDH-079	289465	2823865	1174	190	-47	200.00	Refugio	
		CDH-080	289465	2823865	1174	190	-70	225.00	Refugio	
		CDH-081	289478	2823962	1180	190	-65	225	Cometa	
		CDH-082	289566	2823934	1157.7	190	-60	156	Cometa	
		CDH-083	289638.6	2823932	1116.6	190	-50	126	Cometa	
		CDH-084	289192.9	2823933	1225	190	-75	411	Refugio	
		CDH-085	289190	2823935	1215	190	-60	366.00	Refugio	
		CDH-086	289190	2823935	1215	175	-45	351.00	Refugio	
		CDH-087	289190	2823935	1215	167	-65	375.00	Refugio	
		CDH-088	289148	2823922	1190	190	-45	327.00	Refugio	
		CDH-089	289148	2823922	1190	190	-60	381.00	Refugio	
		CDH-090	289148	2823922	1190	190	-75	372.00	Refugio	
		CDH-091	289190	2823935	1215	190	-82	462.00	Refugio	
		CDH-091	289035	2823933	1110	190	-55	276.00	Refugio	
		CDH-092	289035	2823914	1110	160	-60	276.00	Refugio	
		CDH-093	288931	2823845	1100	190	-55	201.00	Refugio	
		CDH-094 CDH-095	289335	2823845	1250	180	-52	435.00	Refugio	
	The state of the s	1 LUT-093	<b>L</b> 40 <i>2</i> 3333	L 2024100	1 1230	100	-52	ı <del>4</del> 33.00	I INCIUZIO	



Criteria	JORC Code explanation	Commentary							
		CDH-097	289413	2824025	1205	190	-60	429	Refugio
		CDH-098	289413	2824025	1205	190	-70	450	Refugio
		CDH-099	289561	2823770	1189	110	-45	90	Cometa
		CDH-100	289605	2823790	1179	295	-45	45	Cometa
		CDH-101	288764	2823829	1190	190	-55	330	West Refugio
		CDH-102	288848	2823842	1140	190	-55	300	West Refugio
		CDH-103	288847.79	2823848.6	1142.4	190	-75	252	West Refugio
		CDH-104	288918.36	2823846.4	1102.8	190	-70	225	West Refugi
		CDH-105	289420.14	2823846.7	1196.7	190	-50	249	Refugio
		CDH-106	289420.19	2823847	1196.7	190	-63	252	Cometa
		CDH-107	289495.17	2823819.9	1186.6	190	-50	150	Refugio
		CDH-108	289533	2824251	1156	200	-55	250	Soledad
		CDH-109	289646.54	2824102.5	1147.1	200	-45	177	Soledad
		CDH-110	289646.65	2824102.9	1147.0	200	-80	150	Soledad
		CDH-111	289665.05	2824157.2	1113.3	200	-45	210	Soledad
		CDH-112	290367.44	2823785.9	1107.9	200	-55	171	Los Pinos
		CDH-113	290167.78	2823783.9	1151.6	200	-55	200	Los Pinos
		CDH-114	290264.98	2823824.4	1146.1	200	-55	147	Los Pinos
		CDH-115	290166	2823659	1135	200	-55	153	Los Pinos
		CDH-116	290091	2823288	1005	200	-50	126	Zaragoza
		CDH-117	290091	2823200	1115	200	-50	201	Los Pinos
		CDH-118	290143	2823703	1135	200	-50	201	Los Pinos
		CDH-119	290210	2823690	1125	200	-50	177	Los Pinos
		CDH-119	290290	2823995	1170	295	-45	102	+
		CDH-120	290889	2823868	1145	230	-50	204	Los Reyes Los Reyes
		CDH-121	290901	2823701	1085	230	-50	120	Los Reyes
		CDH-122	290704	2823701	1060	230	-50	145	Los Reyes
		CDH-123	290850	2823847	1060	265	-60	135	San Manue
		CDH-124	290830	2822624	1383	265	-60	180	San Manue
		CDH-126	290840	2822633	1382	265	-60	210	San Manue
		CDH-120	287730	2823755	980	190	-50	132	El Gallo
		CDH-127	287740	2823795	956	190	-50	120	El Gallo
		CDH-128	287769	2823748	952	190	-50	120	El Gallo
		CDH-130	291502	2824051	1324	180	-55	195	La Montura
		CDH-131	291662	2824051	1299	180	-55	150	La Montura
		CDH-131	291580.93	2824045.6	1300.3	180	-55	159	La Montura
		CDH-132	291380.93	2824045.0	1270.9	180	-55	174	La Montura
		CDH-133	291500.59	2824046.0	1305.7	180	-55	225	La Montura
			291500.39	2824226.5		170	-55	339	
		CDH-135 CDH-136	289071.92	2824046.8	1319.6	136	-57	477	La Montura
		CDH-136	289071.92	2824047.0	1180.9 1180.9	147	-48	510	West Refug
		<del> </del>		2824047.0	1180.9			_	West Refug
		CDH-138	289071.65			154	-62	420	West Refug
		CDH-139	288966.87	2823796.5	1078.7	190	-50	150	West Refug
		CDH-140	288966.94	2823796.9	1078.8	190	-70	165	West Refug
		CDH-141	289192.9	2823932.3	1225.2	190	-53	351	Refugio
		CDH-142	289193.13	2823933.0	1225.2	190	-69	375	Refugio
		CDH-143	289433.08	2823923.1	1190.9	190	-60	300	Cometa
		CDH-144	289433.15	2823923.5	1191.1	0	-80	315	Refugio
		CDH-145	289493.65	2823857.2	1157.4	190	-45	210	Refugio
		CDH-146	289493.75	2823857.7	1157.3	190	-80	285	Refugio
		CDH-147	289598.65	2823917.9	1143.5	190	-60	144	Refugio
		CDH-148	289699.11	2823916.2	1102.0	190	-60	90	Refugio



Criteria	JORC Code explanation	Commer	ntary								
Data aggregation methods	In reporting Exploration     Results, weighting averaging     techniques, maximum     and/or minimum grade     truncations (eg cutting of     high grades) and cut-off     grades are usually Material	•	using a intercent	a 70:1 Silver epts. n weighted a	orted for all to gold pric averaging is f zero assays	e ratio. No used to rep	upper co	ut-off is	applied to	o report	ting DH-002 is
	grades are usually Material and should be stated.  • Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.  • The assumptions used for any reporting of metal equivalent values should be clearly stated.	Au raw 7.51 11.85 0 0.306 0.364 3.15 10.7	Ag raw 678 425 0 16 31.7 241 709 773	Length (m)  0.5  0.55  0  1  1  0.5  0.5  4.55	Au *length 3.755 6.5175 0 0.306 0.364 1.575 5.35 7.8	Ag *length 339 233.75 0 16 31.7 120.5 354.5 386.5	Fro m 91.9	To 96.	Lengt h	Au gpt	Ag gpt 325.70
Relationship between mineralisatio n widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	•	True w dip. Ho to true the re	s based on t I ratio at tha widths at Ref coles drilled a e-widths, Ho ported inter f the reporta	grades are re he gold and it date 69.3: Tugio betwee at -50 degree les drilled at cept lengths ed intercept ot known at	en sections es may be of t -70 degree s and holes lengths.	120 and consider es have t	ted on l 11,000 red to h true wid at -90 d	vary accor ave interc dths appro	rding to rept leng oximate ve true v	the hole's gths equal lly 92% of widths of



Criteria	JORC Code explanation	Commentary
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refugio  Ref
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All exploration results are reported.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	<ul> <li>No additional exploration data are substantive at this time.</li> <li>Metallurgical test work on drill core composite made of crushed drill core from the El Refugio drill hole samples has been conducted.</li> <li>The samples used for the test work are representative of the material that makes up the majority of the Maiden Resource Estimate for El Refugio release on 17<sup>th</sup> November 2021.</li> <li>The test work was conducted by SGS laboratory Mexico using standard reagents and test equipment.</li> </ul>



Criteria	JORC Code explanation	Commentary
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	Exploration results from the Copalquin District reporting in this release.

