

# MITHRIL DRILLS 80.3 G/T GOLD, 705 G/T SILVER OVER 8.26 METRES – EL REFUGIO, COPALQUIN DISTRICT, MEXICO

### Highlights

- Bonanza grade intercept in CDH-077 extending the El Refugio high-grade gold-silver 'clavo' 160m further down dip:
  - 8.26m @ 80.3 g/t gold, 705 g/t silver from 468.34m (CDH-077), including
     6.26m @ 106 g/t gold, 913 g/t silver from 468.34m, including
     0.77m @ 837 g/t gold, 6,680 g/t silver from 471.63m
- Abundant coarse gold with silver sulphide mineralisation observed in drill core
- Continued development of the El Refugio 'clavo' with further high-grade intercepted:
  - 2.70m @ 13.8 g/t gold, 82.9 g/t silver from 300.3m (CDH-075), plus
    4.25m @ 10.9 g/t gold, 364 g/t silver from 307.05m, including
    2.65m @ 16.3 g/t gold, 414 g/t silver from 315.0m, plus
    2.00m @ 1.02 g/t gold, 17.5 g/t silver from 315.0m, plus
    4.50m @ 0.84 g/t gold, 34.8 g/t silver from 358.5m
  - 2.40m @ 0.93 g/t gold, 15.6 g/t silver from 342m (CDH-076), plus
     5.00m @ 2.06 g/t gold, 95.4 g/t silver from 373m, plus
     1.00m @ 0.86 g/t gold, 39 g/t silver from 383m
- Further deep holes scheduled to continue expanding the El Refugio gold-silver deposit
- Location of the bonanza intercept is favourably located for easy access with an exploration drift

Mithril Resources Ltd (**ASX: MTH**) (**Mithril** or the **Company**) is pleased to release further exploration and drilling results at its Copalquin Gold Silver District, Mexico.

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

"The extremely high-grade intercept in our deepest drill hole CDH-077 has extended the high-grade 'clavo' at El Refugio a further 160m down dip. In this exceptional CDH-077 intercept we have observed mineralisation including abundant coarse gold and silver sulphides, consistent with having intercepted the 'bonanza zone' as predicted by the geologic model. Additionally, hole CDH-075 has intercepted very-high grades with abundant coarse gold and silver sulphides down dip of the extremely high-grade CDH-050 intercept reported in March 2021. Drilling at El Refugio has continued to consistently deliver excellent results establishing El Refugio as a significant deposit for gold and silver in the Copalquin district."

Assay results for three drill holes have been received, continuing to expand the El Refugio structure down dip with high-grade and bonanza grade gold-silver intercepts. Hole CDH-077 was designed to test the depth extents of the high-grade clavo and, in particular to test the zone predicted by the geologic model to be a bonanza zone at El Refugio. Drill

hole CDH-077 successfully intercepted extremely high-grade gold and silver within a broad intercept of **8.26 metres** at **80.3** g/t gold and **705** g/t silver from **468.34 metres** down hole.

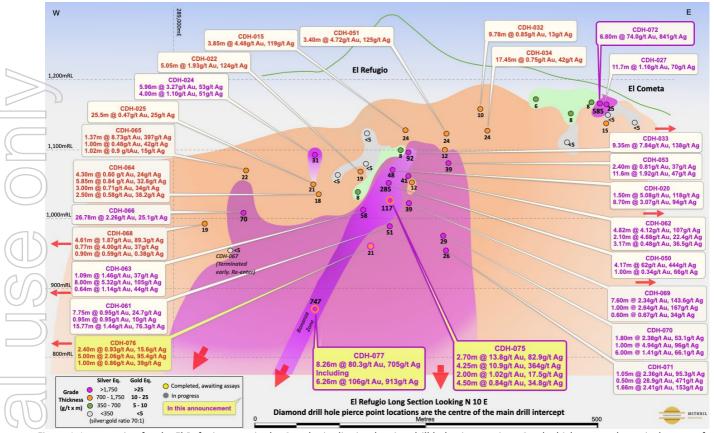


Figure 1: Long section for the El Refugio target in the Copalquin district showing drill hole pierce points. Grade thickness as shown is the sum of all intercepts shown for each hole, pierce points are the midpoint of the main intercept. Metal equivalent grades calculated using 70 g/t Ag = 1 g/t Au,

based on gold price of USD1,610 per ounce and silver price of USD23 per ounce.

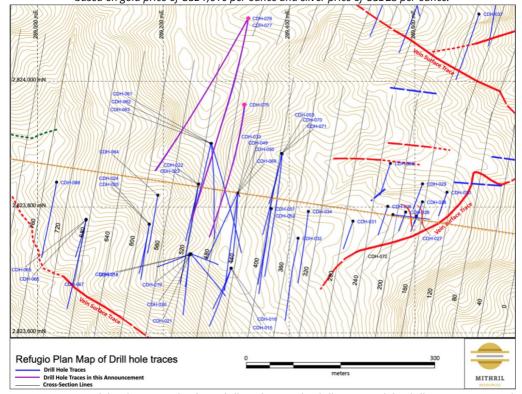


Figure 2: Map view of the El Cometa/El Refugio drilling showing the drill traces and the drill intercepts covered in this release. Long section indicated by orange dotted line shown in Figure 1.



#### Drill Core Photos with Visible Gold from Holes CDH-072, 075, 076 and 077



Figure 3: Two halves of cut NQ size core from hole CDH-077 472.1-472.3 metres with abundant visible gold

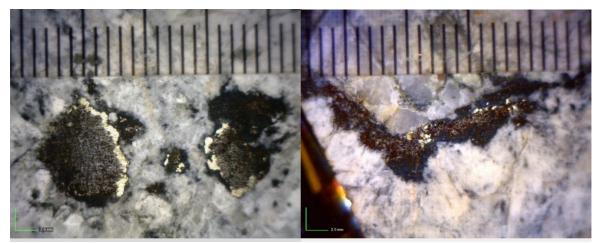


Figure 4a and b: mm wide rims of free gold surrounding fine aggregates of pyrite plus gold, plus silver sulphides 472.2 m CDH-077

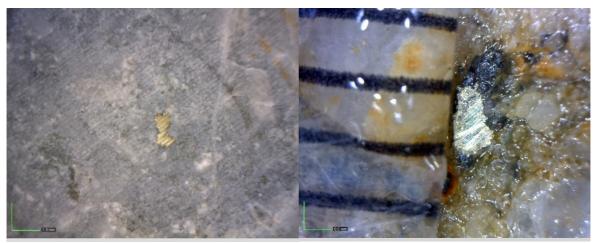


Figure 5: Glint of gold in CDH-076 at 376.2m

Figure 6: Glint of gold in CDH-072 at 38.0m (ASX Release 15/6/2021)



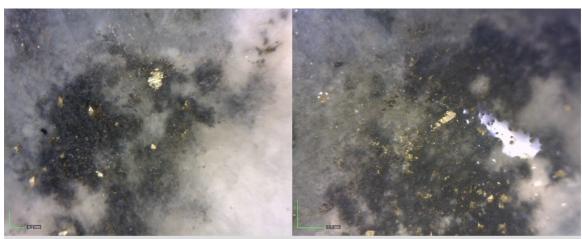


Figure 7: CDH-075 at 301.5m @ 150 X gold w/ginguro.

Figure 8: CDH-075 at 301.5m @ 100 X. gold w/ginguro

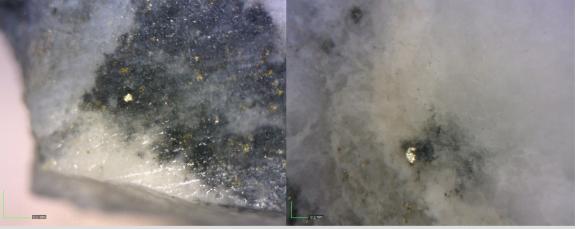


Figure 9: CDH-075 at 301.90m @ 100 X gold w.ginguro.

Figure 10: CDH-075 at 301.95m @ 150 X gold w/ginguro.

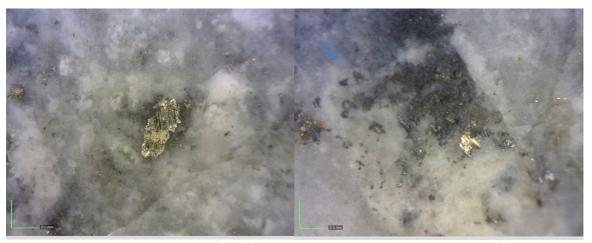


Figure 11: CDH-075 at 307.6m @ 100 X free gold.

Figure 12: CDH-075 @ 310.15m @ 150 X gold w/ginguro.



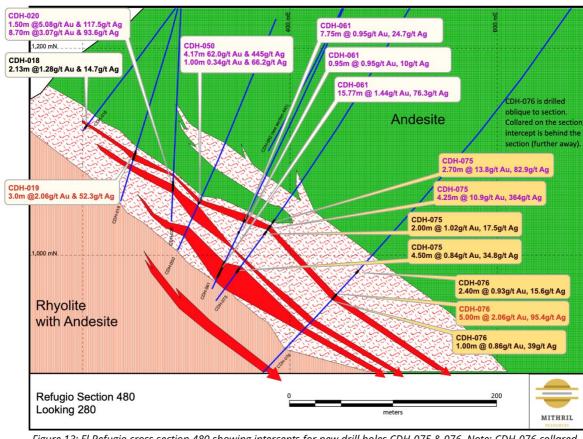


Figure 13: El Refugio cross section 480 showing intercepts for new drill holes CDH-075 & 076. Note: CDH-076 collared on this section 480, intercept is behind (further away).

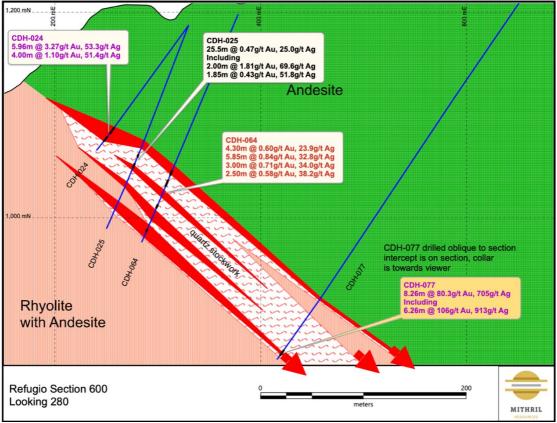


Figure 14: El Refugio cross section 600 showing new drill hole CDH-077 intercept reaching the bonanza zone as per the geologic model shown in Figure 17.



#### **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.

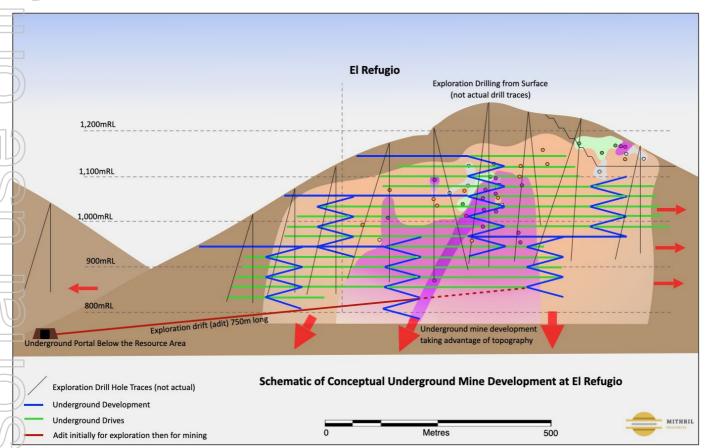


Figure 15: Schematic showing an underground mine access concept for the El Refugio gold-silver deposit, Copalquin District, Mexico.

#### 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 16: Copalquin District location map within the Sierra Madre gold-silver trend with North American majors currently working in this part of Mexico.

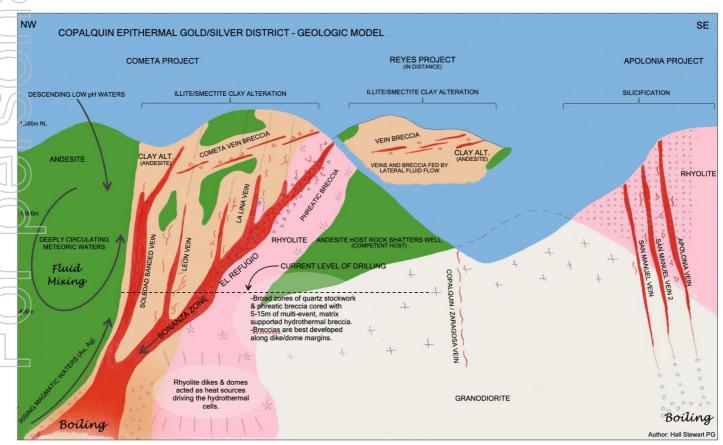


Figure 17: Copalquin District Geologic Model for epithermal gold/silver - geologic model (author: Hall Stewart PG, Chief Geologist)



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



## **APPENDICES**

Hole ID	From Interval (m)	To Interval (m)	Length Interval (m)	Au interval (g/t)	Ag interval (g/t)	AuEq <sup>1</sup> (g/t)	g/t AuEq <sup>1</sup> x m
CDH-015	146	149.85	3.85	4.48	119.3	6.18	23.79
	including	. 15100	0,00				20.110
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	no reportable inte	ercept					
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						
CDH-022	227.4	229.55	2.15	3.28	140.0	5.28	11.35
CDH-023	223.51	226	2.49	2.09	68.0	3.06	7.61
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



CDU CO A	including	0.1.1.5	4.5			0.40	
CDH-034	82.85	84.15	1.3	5.07	308.8	9.48	12.33
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-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	169.3	4.3	0.60	23.95	0.94	4.06
CDH-064	175.2	181.05	5.85	0.84	32.80	1.31	7.68
CDH-064	201	204	3	0.71	34.00	1.20	3.60
CDH-064	226.5	229	2.5	0.58	38.20	1.12	2.81
CDH-065	111.68	112.7	1.02	0.90	15.00	1.11	1.14
CDH-065	119.8	120.8	1	0.48	42.00	1.08	1.08
CDH-065	186.3	187.67	1.37	8.73	397.30	14.40	19.73
CDH-066	143.22	170	26.78	2.26	25.16	2.61	70.03
	Including						
CDH-066	145.44	147.15	1.71	5.23	160.23	7.52	12.86
	and including						
CDH-066	159	161	2	15.61	35.00	16.11	32.21
	and including						
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	190.9	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-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

Table 1: Significant drill hole intercepts to date gold and silver assays for all drill holes drilled in the El Refugio and El Cometa, Copalquin District. (List does not include drill holes in La Soledad)

Intercepts reported greater than or equal to 1.00 g/t AuEq<sup>1</sup> with maximum of 2 metres of internal intervals less than 1.00 g/t AuEq<sup>1</sup>.

Metal equivalent grades calculated using 70 g/t Ag = 1 g/t Au, based on gold price of USD1,610 per ounce and silver price of USD23 per ounce.



## 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 representivity 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> </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</li> </ul>
	• 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.	<ul> <li>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> </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, facesampling 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. To data all core has been HQ size although we are prepared to reduce to NQ if needed.
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> </ul>	<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</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>CDH-032 through CDH077was always above 90% in the mineralized zones.</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	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	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. Samples are assayed for silver using ALS Minerals ME- ICP61 method. Over limits are assayed by AgOG63 and



Criteria	JORC Code explanation	Commentary
	<ul> <li>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 derivation, etc.</li> <li>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.</li> </ul>	<ul> <li>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 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	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <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 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.</li> <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> <li>Assay data have not been adjusted other than applying length weighted averages to reported intercepts.</li> </ul>
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> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>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.</li> <li>Hole CDH-005, CDH-049 and CDH-050 were not surveyed</li> <li>UTM/UPS WGS 84 zone 13 N</li> <li>High quality topographic control from Photosat covers the entire drill project area.</li> </ul>



sampling of possible structures and the extent to which this is known, considering the deposit type.  • 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.  Sample  • The measures taken to ensure  sampling of possible structures. This is reasonably well observed in the core and is appropriate to the deposit type.  • The relationship between the drilling orientation and the orientation of key mineralised structures is not considered to have introduced a sampling bias.	Criteria	JORC Code explanation	Commentary
sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.  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.  Sample security  The measures taken to ensure sample security.  Sample The results of any audits or reviews of sampling techniques  Audits or reviews of sampling techniques  samult the orientation of sampling achieves unbias sampling of possible structures. This is reasonably well observed in the core and is appropriate to the deposit type.  The relationship between the drilling orientation and the orientation of key mineralised structures is not considered to have introduced a sampling bias.  Sample Sample Sample are stored in a secure core storage facility unt they are shipped off site by small aircraft and delivered directly to ALS Minerals.  No audits or reviews of sampling techniques and data have been performed.	and	<ul> <li>Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has</li> </ul>	<ul><li>Exploration Results.</li><li>No Resource Estimation is included in this News Release.</li></ul>
security  sample security.  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 have been performed.	of data in relation to geological	sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.  • 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	<ul> <li>assure that the orientation of sampling achieves unbiase 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</li> </ul>
reviews reviews of sampling techniques have been performed.	-		Samples are stored in a secure core storage facility until they are shipped off site by small aircraft and delivered directly to ALS Minerals.
	/ /1 \ ) \	reviews of sampling techniques	1 0 1



## SECTION 2 REPORTING OF EXPLORATION RESULTS

	Criteria	JORC Code explanation	Commentary									
	Mineral tenement and land	Type, reference name/number, location	•	Conc	essions at Cop	alquin						
	tenure status	and ownership including agreements or material issues with third parties		No.	Concession	Concession Title number	Area (Ha)	Location				
	5	such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national			LA SOLEDAD	52033	6	Tamazula, Durango, Mexico				
(	$\bigcirc$				EL COMETA	164869	36	Tamazula, Durango, Mexico				
	5	park and environmental settings.		3	SAN MANUEL	165451	36	Tamazula, Durango, Mexico				
		• The security of the tenure held at the time of			COPALQUIN	178014	20	Tamazula, Durango, Mexico				
(		reporting along with any known impediments to obtaining a licence to operate in the area.		reporting along with any known impediments to	reporting along with any known impediments to	reporting along with any known impediments to		5	EL SOL	236130	6,000	Tamazula, Durango and Badiraguato, Sinaloa, Mexico
				6	EL CORRAL	236131	907.3243	Tamazula, Durango and Badiraguato, Sinaloa, Mexico				
	Exploration done by other parties	<ul> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	•	was of comp historia done Work used	done in the late panies is histor ric data only as by these comp a done by the M for modelling	e 1990's and it is and non-JC s a general guanies in resource. Mexican gove of historic mi	in 2005 – 2 ORC comp lide and w urce mode ernment ar	Corp. and UC Resources 2007. Work done by these cliant. Mithril uses these ill not incorporate work elling. In the second will be ags which are now				
	Geology	Deposit type, geological setting and style of mineralisation.			<ul> <li>Copalquin is a low sulfidation epithermal gold-silver deposit hoste andesite. This deposit type is common in the Sierra Madre Occide of Mexico and is characterized by quartz veins and stockworks surrounded by haloes of argillic (illite/smectite) alteration. Veins I formed as both low-angle semi-continuous lenses parallel to the cobetween granodiorite and andesite and as tabular veins in high-angle normal faults. Vein and breccia thickness has been observed up to meters wide with average widths on the order of 3 to 5 meters. The overall strike length of the semi-continuous mineralized zone from Refugio to Cometa to Los Pinos to Los Reyes is 2 kilometres. Additional strike length at La Constancia and San Manuel provide additional exploration potential.</li> </ul>							



Criteria	JORC Code explanation	Commen	tary						
Drill hole	• A summary of all	Hole_ID	WGS84_E	WGS84_N	El M	Azimuth	Incl	Depth	Target
Information	information material to	CDH-001	289591	2824210	1113	220	-65	210.50	Soledad
9	the understanding of the	CDH-002	289591	2824210	1113	165	-60	204.00	Soledad
	U V	CDH-003	289591	2824210	1113	155	-70	153.00	Soledad
	exploration results	CDH-004	289591	2824210	1113	245	-55	202.50	Soledad
П	including a tabulation of	CDH-005	289665	2824195	1083	205	-60	10.50	Soledad
	the following information	CDH-006	289665	2824195	1083	200	-59	87.00	Soledad
	for all Material drill	CDH-007	289665	2824195	1083	240	-68	12.00	Soledad
	holes:	CDH-008	289645	2824196	1088	150	-62	165.00	Soledad
	• easting and northing of	CDH-009	289645	2824196	1088	197	-70	21.00	Soledad
	the drill hole collar	CDH-010	289649	2824206	1083	198	-64	180.00	Soledad
	• elevation or RL	CDH-011	289649	2824206	1083	173	-62	138.00	Soledad
	(Reduced Level –	CDH-012	289678	2824313	1095	200	-45	228.00	Soledad
	elevation above	CDH-013	289678	2824313	1095	180	-45	240.30	Soledad
15)		CDH-014	289678	2824313	1095	220	-45	279.00	Soledad
	• sea level in metres) of the	CDH-015	289311	2823706	1271	200	-75	256.50	Refugio
	drill hole collar	CDH-016	289311	2823706	1271	200	-60	190.50	Refugio
$( \cap )$	• dip and azimuth of the	CDH-017	289234	2823727	1236	190	-75	171.00	Refugio
10	hole	CDH-018	289234	2823727	1236	190	-53	159.00	Refugio
7	• down hole length and	CDH-019	289234	2823727	1236	140	-65	201.00	Refugio
))	interception depth	CDH-020	289234	2823727	1236	115	-78	216.00	Refugio
	1 - 1	CDH-021	289234	2823727	1236	250	-75	222.00	Refugio
	• hole length.	CDH-022	289255	2823835	1251	190	-54	261.00	Refugio
	• If the exclusion of this	CDH-023	289255	2823835	1251	190	-70	267.00	Refugio
	information is justified on	CDH-024	289170	2823774	1185	190	-55	150.00	Refugio
	the basis that the	CDH-025	289170	2823774	1185	190	-70	213.00	Refugio
	information is not	CDH-026	289585	2823795	1183	200	-50	51.00	Cometa
	Material and this	CDH-027	289605	2823790	1179	200	-60	51.00	Cometa
	exclusion does not detract	CDH-028	289612	2823815	1170	200	-45	51.00	Cometa
	from the understanding of	CDH-029	289611	2823835	1152	200	-45	60.00	Cometa
	the report, the Competent	CDH-030	289653	2823823	1153	200	-45	55.50	Cometa
	Person should clearly	CDH-031	289510	2823781	1197	200	-45	66.00	Cometa
	, ,	CDH-032	289414	2823752	1223	190	-50	207.00	Refugio
$( \cap )$	explain why this is the	CDH-033	289325	2823822	1269	190	-55	270.00	Refugio
10	case.	CDH-034	289429	2823795	1197	190	-50	183.00	Refugio
		CDH-035	289560	2823800	1185	200	-45	69.00	Cometa
		CDH-036	289556	2823868	1150	200	-45	75.00	Cometa
15)		CDH-037	289650	2824145	1156	200	-45	159.40	Soledad
		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 CDH-043	290365 290365	2823765 2823765	1128 1128	0	-50 -90	60.00 15.00	Los Pinos Los Pinos
			<b>.</b>	+	+			ł	
		CDH-044 CDH-045	292761 292761	2824372 2824372	1489 1489	200	-62 -62	130.50 130.50	Constancia Constancia
		CDH-045 CDH-046	292761	2824372	1489	240	-70	133.00	Constancia
))		CDH-046 CDH-047	292778	2822835	1285	265	-65	234.00	San Manuel
		CDH-047 CDH-048	290887	2822734	1335	265	-65	249.00	San Manuel
		CDH-048	289325	2823822	1269	185	-70	282.00	Refugio
		CDH-049 CDH-050	289325	2823822	1269	206	-67	288.00	Refugio
		CDH-050 CDH-051	289323	2823795	1209	190	-67	201.00	Refugio
		CDH-051 CDH-052	289370	2823795	1225	190	-47	231.00	
		CDH-052 CDH-053	289370	2823795	1225	190	-60	211.00	Refugio Refugio
				+	+	+			
		CDH-054	289536	2824255	1155	200	-70	321.00	Soledad



CDH-056 CDH-057 CDH-058 CDH-059 CDH-060 CDH-061	290903 290841 290841 290867 290765 289280	2824030 2823795 2823795 2823750 2823810 2823900	1182 1143 1143 1142 1110	295 217 240 230 230	-45 -50 -55 -50	102.00 201.00 222.00 180.00	Los Reyes Los Reyes Los Reyes Los Reyes
CDH-058 CDH-059 CDH-060 CDH-061	290841 290867 290765	2823795 2823750 2823810	1143 1142	240 230	-55 -50	222.00	Los Reyes
CDH-059 CDH-060 CDH-061	290867 290765	2823750 2823810	1142	230	-50		<u> </u>
CDH-060 CDH-061	290765	2823810				180.00	Los Reyes
CDH-061			1110	230	EΩ		
	289280	2022000			-50	183.00	Los Reyes
CDH-062		2023900	1285	177	-64	351.00	Refugio
5511 002	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
pnorting Evnloration	CDH-066 CDH-067 CDH-068 CDH-069 CDH-070 CDH-071 CDH-072 CDH-073 CDH-074 CDH-075 CDH-076	CDH-066 289077 CDH-067 289077 CDH-068 289021 CDH-069 289325 CDH-070 289385 CDH-071 289385 CDH-072 289565 CDH-073 290243 CDH-074 290149 CDH-075 289330 CDH-076 289335 CDH-077 289335	CDH-066 289077 2823776 CDH-067 289077 2823776 CDH-068 289021 2823837 CDH-069 289325 2823822 CDH-070 289385 2823885 CDH-071 289385 2823885 CDH-072 289565 2823788 CDH-073 290243 2823763 CDH-074 290149 2823830 CDH-075 289330 2823963 CDH-076 289335 2824100 CDH-077 289335 2824100	CDH-066         289077         2823776         1150           CDH-067         289077         2823776         1150           CDH-068         289021         2823837         1115           CDH-069         289325         2823822         1269           CDH-070         289385         2823885         1200           CDH-071         289385         2823885         1200           CDH-072         289565         2823788         1190           CDH-073         290243         2823763         1140           CDH-074         290149         2823830         1120           CDH-075         289330         2823963         1288           CDH-076         289335         2824100         1250           CDH-077         289335         2824100         1250	CDH-066         289077         2823776         1150         190           CDH-067         289077         2823776         1150         0           CDH-068         289021         2823837         1115         190           CDH-069         289325         2823822         1269         0           CDH-070         289385         2823885         1200         190           CDH-071         289385         2823885         1200         190           CDH-072         289565         2823788         1190         100           CDH-073         290243         2823763         1140         200           CDH-074         290149         2823830         1120         200           CDH-075         289330         2823963         1288         190           CDH-076         289335         2824100         1250         190           CDH-077         289335         2824100         1250         210	CDH-066         289077         2823776         1150         190         -75           CDH-067         289077         2823776         1150         0         -90           CDH-068         289021         2823837         1115         190         -55           CDH-069         289325         2823822         1269         0         -90           CDH-070         289385         2823885         1200         190         -64           CDH-071         289385         2823885         1200         190         -76           CDH-072         289565         2823788         1190         100         -45           CDH-073         290243         2823763         1140         200         -55           CDH-074         290149         2823830         1120         200         -55           CDH-075         289330         2823963         1288         190         -60           CDH-076         289335         2824100         1250         190         -55           CDH-077         289335         2824100         1250         210         -53	CDH-066 289077 2823776 1150 190 -75 253.00 CDH-067 289077 2823776 1150 0 -90 198.00 CDH-068 289021 2823837 1115 190 -55 213.00 CDH-069 289325 2823822 1269 0 -90 345.00 CDH-070 289385 2823885 1200 190 -64 300.00 CDH-071 289385 2823885 1200 190 -76 339.00 CDH-072 289565 2823788 1190 100 -45 81.00 CDH-073 290243 2823763 1140 200 -55 201.00 CDH-074 290149 2823830 1120 200 -55 219.00 CDH-075 289330 2823963 1288 190 -60 396.00 CDH-076 289335 2824100 1250 190 -55 477.00 CDH-077 289335 2824100 1250 210 -53 480.00

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 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.

- Intercepts are reported for all intercepts greater than or equal to 1 g/t AuEQ\_70 using a 70:1 Silver to gold price ratio. No upper cut-off is applied to reporting intercepts.
- Length weighted averaging is used to report intercepts. The example of CDH-002 is shown. The line of zero assays is a standard which was removed from reporting.

Au raw	Ag raw	Length (m)	Au *length	Ag *length					
7.51	678	0.5	3.755	339					
11.85	425	0.55	6.5175	233.75					
0	0	0	0	0					
0.306	16	1	0.306	16					
0.364	31.7	1	0.364	31.7					
3.15	241	0.5	1.575	120.5					
10.7	709	0.5	5.35	354.5					
15.6	773	0.5	7.8	386.5					
					From	То	Length	Au gpt	Ag gpt
		4.55	25.6675	1481.95	91.95	96.5	4.55	5.64	325.70

• Metal equivalent grades are reported using a 70:1 silver to gold price ratio. This ratio is based on the gold and silver prices reported on kitco.com as of 11 July 2021 (actual ratio at that date 69.3:1)



Criteria	JORC Code explanation	Commentary
Relationship between mineralisati on widths and intercept lengths  Diagrams	<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> <li>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.</li> </ul>	True widths at Refugio between sections 400 and 680 vary according to the hole's dip. Holes drilled at -50 degrees may be considered to have intercept lengths equal to true-widths, Holes drilled at -70 degrees have true widths approximately 92% of the reported intercept lengths and holes drilled at -90 degrees have true widths of 77% of the reported intercept lengths.  True widths are not known at La Soledad and downhole intercepts are reported.
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.



Criteria	JORC Code explanation	Commentary
Other substantive exploration data  Further work	<ul> <li>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.</li> <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</li> </ul>	<ul> <li>No additional exploration data are substantive at this time.</li> <li>Observations from 3 new holes drilled at the El Refugio target reported on in this release CDH-075 to CDH-077.</li> </ul>
	geological interpretations and future drilling areas, provided this information is not commercially sensitive.	

