MITHRIL RESOURCES

ASX ANNOUNCEMENT

12 June 2024

HIGH GRADE DIAMOND SAW ASSAYS EXPAND DRILL TARGETS

Highlights

- Exceptional diamond rock saw channel sample results from surface structures and underground workings at Mithril's flagship high-grade Copalquin gold-silver district in Durango, Mexico.
- **El Refugio mine – main level**
  - **3.5m @ 8.30 g/t gold, 239 g/t silver (L1)**
  - **2.5m @ 7.99 g/t gold, 191 g/t silver (L2)**
  - **3.0m @ 5.52 g/t gold, 154 g/t silver (L3)**
  - **3.0m @ 6.01 g/t gold, 156 g/t silver (L4)**
- **El Refugio mine – second level**
  - **1.5m @ 8.96 g/t gold, 325 g/t silver (L11)**
  - **1.5m @ 9.33 g/t gold, 173 g/t silver (L12)**
  - **1.5m @ 34.4 g/t gold, 372 g/t silver (L25)**
  - **1.5m @ 4.20 g/t gold, 129 g/t silver (L26),**
  - **2.0m @ 6.91 g/t gold, 148 g/t silver (L28),**
  - **3.0m @ 11.0 g/t gold, 250 g/t silver (L29),**
  - **2.0m @ 39.2 g/t gold, 401 g/t silver (L30), including 1.0m @ 70.7 g/t gold, 710 g/t silver**
- **El Refugio Surface Prospect**
  - **1.7m @ 5.68 g/t gold, 106 g/t silver**
  - **1.9m @ 9.56 g/t gold, 215 g/t silver**
  - **1.8m @ 11.5 g/t gold, 226 g/t silver**
  - **1.3m @ 4.76 g/t gold, 100 g/t silver**
- **480 Cometa Surface Structure**
  - **10.5m @ 4.47 g/t gold, 121 g/t silver**
- **Cometa 2 Working**
  - **1.0m @ 1.74 g/t gold, 914 g/t silver**
- **La Soledad Mine Level 4**
  - **2.8m @ 6.92 g/t gold, 133 g/t silver (L3)**
- **Copalquin Creek Line**
  - **3.0m @ 8.02 g/t gold, 78 g/t silver**
- **Copalquin Mine**
  - **2.0m @ 5.32 g/t gold, 245 g/t silver**

Mithril Resources Ltd (ASX: MTH) (**Mithril** or the **Company**) is pleased to provide an update for its high-grade Copalquin gold-silver project located in Durango state, Mexico.

COPALQUIN GOLD-SILVER DISTRICT, MEXICO

A diamond rock saw channel sampling programme has been completed for the first phase work at the first target area in the Copalquin district where there is currently a maiden JORC resource of 529koz @6.8 g/t gold equivalent (see end of announcement for resource details).

The results from the programme will assist drill planning for the current dill programme and future programmes.

Mithril Managing Director/CEO John Skeet said,

"The exceptional high-grade gold and silver results from this mapping and sampling programme at the district Target 1 area, provide important geologic information to improve understanding of the mineralised structures. This aids drill programme design and 3D modelling, which can also be applied to other target areas in this large historic mining district as we continue to expand the resource footprint."

Mithril Technical Advisor, Colin Jones said,

"The excellent sampling and mapping results from the historic Copalquin mine working support the concept of a major east-west vent system responsible for the widespread surface alteration and gold-silver mineralisation across the district. In general, it is clear there are more mineralised structures present than currently mapped, and the alteration zones are larger than as currently outlined."

Discussion

This sampling programme used a diamond saw to cut underground and outcropping veins in a geologically unbiased manner as a method to support detailed mapping and interpretation of various structures. For future resource estimation work at the Target 1 area, these results may be included in JORC resource estimates with survey and proper QAQC carried out to JORC 2012 Standards.

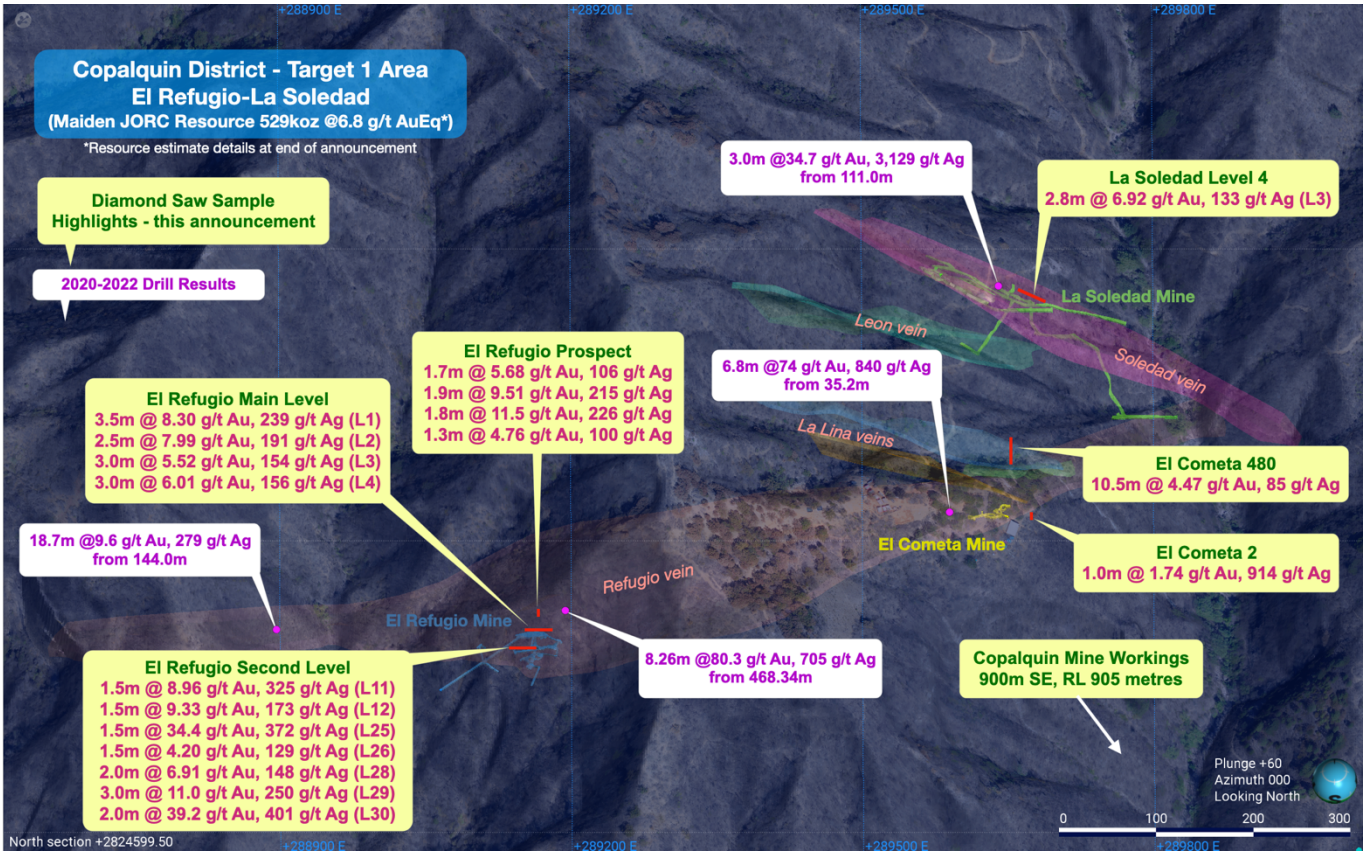

Figure 1 Map showing highlight diamond saw sampling result from Target Area 1, in the Copalquin District. Some highlight drill intercepts from 2020-2022 drilling also shown, which were part of the maiden JORC resource estimate for this target area.

The diamond rock saw mapping and sampling assays show there are structures interacting with the broad east-west low angle structure that extends for several kilometres across the district. The various mapped structures sampled in underground workings and surface structures show significant gold and silver mineralisation. The results support drilling in different orientations in the Target 1 area to intersect the different mineralised structures and provides some visual evidence of faulting.

On the eastern side of Target 1 JORC resource area at El Cometa (see Figure 1), high-grade diamond saw sampling assays returned from a working **(Cometa 2 - 1.0m @ 1.74 g/t gold, 914 g/t silver)** down slope of the El Cometa mine plus a 10.5 metre wide NW trending cross cutting surface structure **(Cometa 480 - 10.5m @ 4.47 g/t gold, 121 g/t silver)**. Previous drilling into a NW trending structure at El Cometa intercepted very high-grade near surface **(CDH-072 6.8m @74 g/t gold, 840 g/t silver from 35.2m)**.

At the historic El Refugio mine working, new areas have been accessed, mapped and sampled returning high-grade assays providing enhanced interpretation of the structures in this important area. The main and second levels of the workings have been sampled for the first time and well as newly accessible areas (see Figures below).

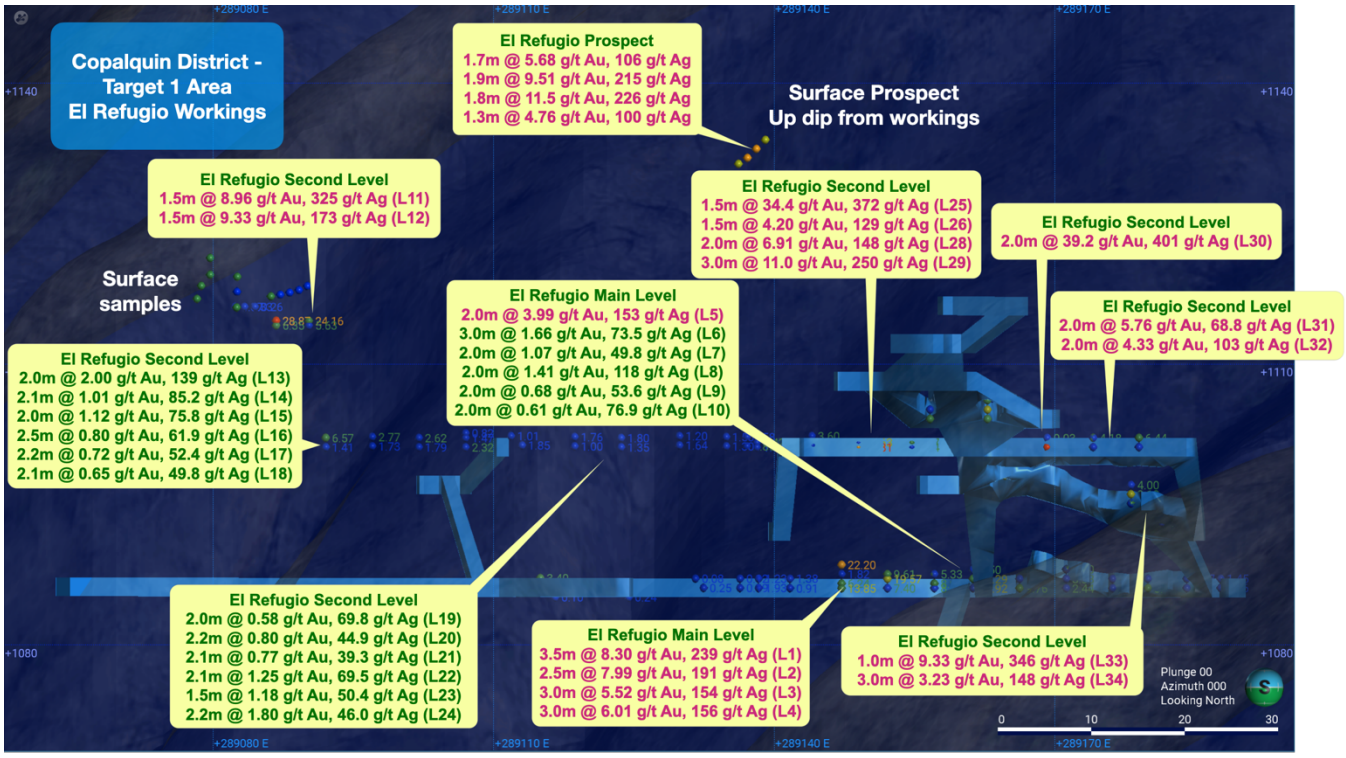

*Figure 2 Cross section of the historic El Refugio mine workings, looking north with diamond saw sampling assay results. New areas have been accessed, mapped and sampled with survey pending to complete updated workings model. The detailed work has provided useful information regarding the various structures, breccias and faulting and the mineralisation. Sample from line 30 (**L30 – 2.0m @39.2 g/t Au, 401 g/t Ag**) is from a stope pillar, which provides an indication of the material historically mined.*

Figure 3 Inside El Refugio workings, Left to right –Sample line 12 (L12) - 1.5m @ 9.33 g/t Au, 173 g/t Ag, Sample line 28 (L28) - 2.0m @ 6.91 g/t Au, 148 g/t Ag, Sample line 30 (L30) - 2.0m @ 39.2 g/t Au, 401 g/t Ag.

Below shows the location of the historic Copalquin mine workings down at the district central creek level and its position relative to the Target 1 resource area. The diamond saw sampling and mapping results are significant in supporting the concept of a major east-west vent system responsible for the widespread surface alteration and gold-silver mineralisation across the district.

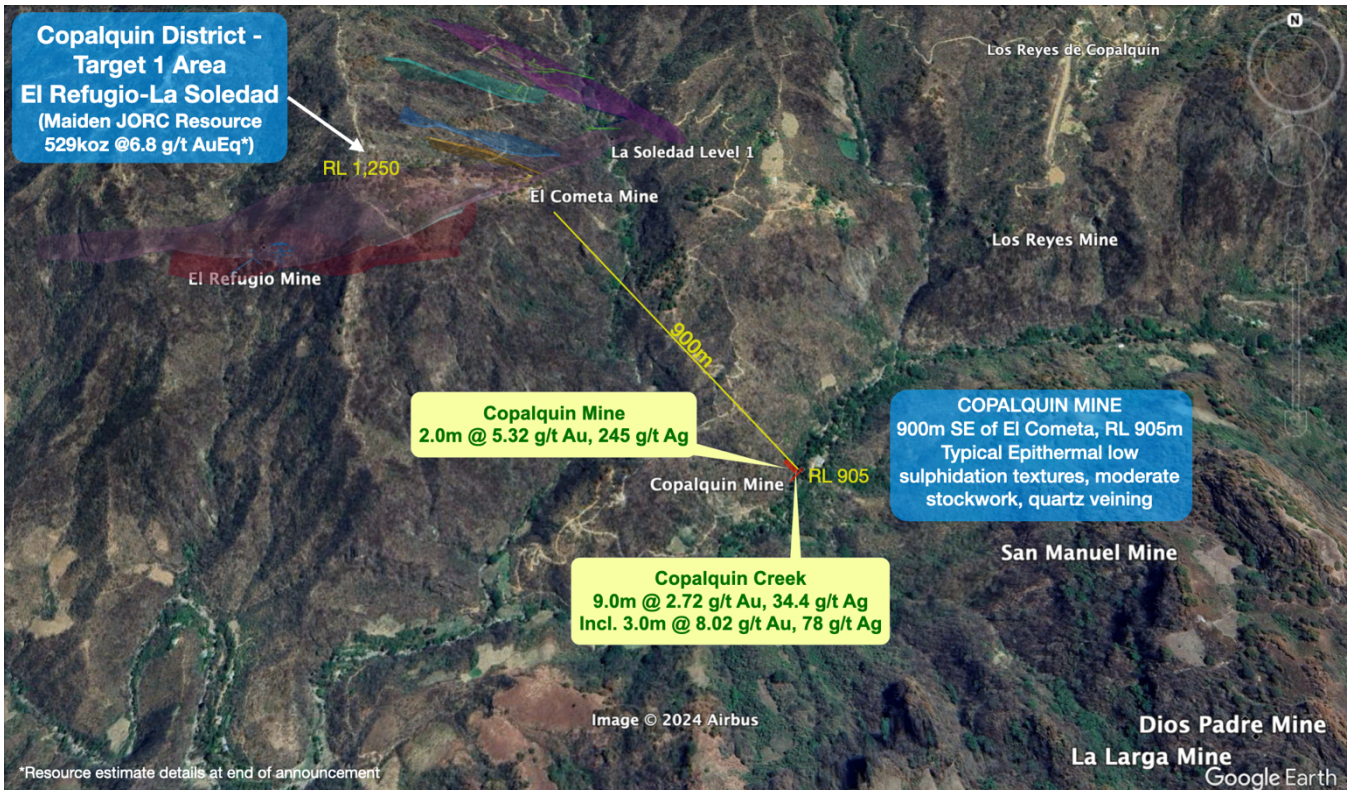

Figure 6 Map showing location of the historic Copalquin mine 900 metres south-east of the El Cometa mine at approximately 300 metres lower elevation. The results of the mapping and the assay results are significant in supporting the concept of a major east-west vent system responsible for the widespread surface alteration and gold-silver mineralisation across the district.

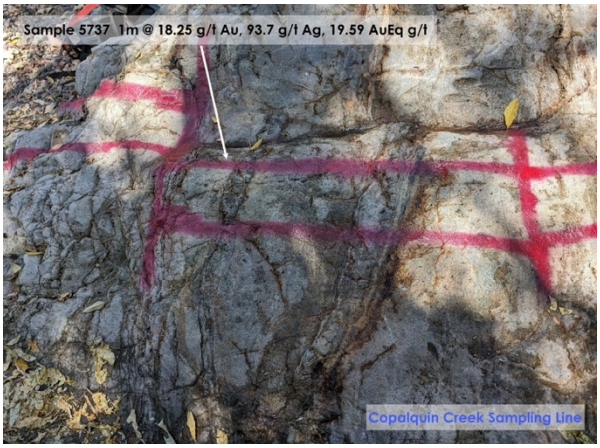

Figure 5 Mineralised structure in the Copalquin Creek important for the overall district geologic model.

Figure 4 Inside the historic Copalquin mine showing diamond saw channel sample.

The Copalquin mine workings have been developed on two levels along an east-west striking quartz vein. No stoping has been done. The main vein is 50cm to 1m wide and comprises a multiphase quartz vein that exhibits well developed epithermal banding textures, including colloform banding and thin bands of sulphides. Copper oxide minerals are also observed. Inspection of a cross cut underground and the outcrop along the creek at the entrance to the workings shows that the main vein is associated with a 6m wide zone of similar but thinner veins. This structure is hosted in granodiorite and extends west into the Los Pinos alteration zone. A 9.0m wide diamond saw sample was taken across the structure yielding 9.0m @ 2.72 g/t gold, 34.4 g/t silver, including **3.0m @ 8.02 g/t gold, 78 g/t silver**.

This structure would be easy to drill in terms of access and is considered as a first priority target subject to detailed mapping and sampling of the area.

Diamond rock saw channel sample details in the following table next page.

Table 1 Diamond rock saw sample details and assay results.

Sample_ID	Width	X	Y	Z	Au (ppm)	Ag (ppm)	AuEq (ppm)	Area		
5469	1.0	289147	2823687	1088.5	15.20	490	22.20	1554.00	L1	Refugio Main Level
5470	1.0	289147	2823687	1087.5	1.25	40.5	1.82	127.65		
5471	0.5	289147	2823687	1086.5	4.11	149	6.24	436.70		
5472	1.0	289147	2823687	1086	10.55	231	13.85	969.50		
5473	1.0	289152	2823688	1087.5	6.94	187	9.61	672.80	L2	
5474	0.5	289152	2823688	1087	15.20	306	19.57	1370.00		
5475	1.0	289152	2823688	1086	5.44	137	7.40	517.80		
5235	1.0	289157	2823688	1087.5	3.62	120	5.33	373.40	L3	
5236	1.0	289157	2823688	1086.5	5.96	207	8.92	624.20		
5237	1.0	289157	2823688	1086	6.98	136	8.92	624.60		
5311	1.0	289161	2823688	1088	2.04	102	3.50	244.80	L4	
5312	1.0	289161	2823688	1087	6.88	239	10.29	720.60		
5313	1.0	289161	2823688	1086	9.12	126	10.92	764.40		
5314	1.0	289166	2823688	1087	1.41	84.2	2.61	182.90	L5	
5315	1.0	289166	2823688	1086	6.57	223	9.76	682.90		
5316	1.0	289171	2823686	1088	1.34	67.5	2.30	160.95	L6	
5317	1.0	289171	2823686	1087	1.82	109	3.38	236.40		
5318	1.0	289171	2823686	1086	1.82	44	2.44	171.05		
5319	1.0	289176	2823688	1087	0.93	37.1	1.46	102.41	L7	
5321	1.0	289176	2823688	1086	1.21	62.5	2.10	147.20	L7	
5322	1.0	289180	2823685	1087	1.19	80.3	2.34	163.60	L8	
5323	1.0	289180	2823685	1086	1.64	155	3.85	269.45		
799001	1.0	289184	2823684	1087	0.84	43.9	1.47	102.70	L9	
799002	1.0	289184	2823684	1086	0.51	63.2	1.41	98.97		
799003	1.0	289188	2823682	1087	0.45	70.1	1.45	101.25	L10	
799004	1.0	289188	2823682	1086	0.77	83.6	1.96	137.22		
5651	0.5	289087	2823655	1114.5	20.30	600	28.87	2021.00	L11	Refugio 2nd Level
5652	1.0	289087	2823655	1114	3.29	214	6.35	444.30		
5653	0.5	289090	2823656	1114.5	20.60	249	24.16	1691.00	L12	
5654	1.0	289090	2823656	1114	3.70	135	5.63	394.00		
5656	1.0	289092	2823656	1102	3.21	235	6.57	459.70	L13	
5657	1.0	289092	2823656	1101	0.80	43.1	1.41	98.89		
5658	1.0	289097	2823657	1102.1	0.97	126	2.77	193.90	L14	
5659	1.1	289097	2823657	1101.1	1.05	48.1	1.73	121.25		
5660	1.0	289102	2823657	1102	1.20	99.7	2.62	183.35	L15	
5661	1.0	289102	2823657	1101	1.05	51.8	1.79	125.30		
5662	0.5	289107	2823658	1102.5	0.32	35.2	0.82	57.46	L16	
5663	1.0	289107	2823658	1102	0.54	64.9	1.47	102.70		
5664	1.0	289107	2823658	1101	1.29	72.2	2.32	162.50		
5665	1.0	289112	2823658	1102.2	0.52	34.3	1.01	70.70	L17	
5666	1.2	289113	2823658	1101.2	0.88	67.5	1.85	129.17		
5667	1.0	289119	2823659	1102.1	0.78	68.7	1.76	122.95	L18	
5668	1.1	289119	2823659	1101.1	0.53	32.6	1.00	69.98		
5669	1.0	289124	2823659	1102	0.81	69.6	1.80	126.30	L19	
5670	1.0	289124	2823659	1101	0.35	69.9	1.35	94.19		
5671	1.0	289130	2823660	1102.2	0.63	39.7	1.20	83.73	L20	
5672	1.2	289130	2823660	1101.2	0.94	49.3	1.64	114.82		
5673	1.0	289135	2823660	1102.1	0.77	51.1	1.50	105.07	L21	
5674	1.1	289135	2823660	1101.1	0.84	32.2	1.30	91.21		
5676	1.0	289137	2823661	1102.1	1.00	40.8	1.58	110.73	L22	
5677	1.1	289137	2823661	1101.1	1.49	95.6	2.85	199.55		
5678	0.5	289138	2823661	1101.5	2.11	91.6	3.42	239.30	L23	
5679	1.0	289138	2823661	1101	0.72	29.8	1.14	79.99		
5680	1.0	289144	2823662	1102.2	2.85	52.8	3.60	252.30	L24	
5681	1.2	289144	2823662	1101.2	0.92	40.3	1.50	104.77		
5682	0.5	289149	2823662	1101.5	8.70	135	10.63	744.00	L25	
5683	1.0	289149	2823662	1101	48.80	491	55.81	3907.00		
5684	0.5	289155	2823663	1101.5	5.80	201	8.67	607.00	L26	
5686	1.0	289155	2823663	1101	3.40	93.7	4.74	331.70	L26	
5687	1.0	289159	2823663	1102	1.00	51.4	1.73	121.40	L27	
5688	1.0	289159	2823663	1101	0.60	21.7	0.91	63.49		
5689	1.0	289157	2823653	1108	5.75	113	7.36	515.50	L28	
5690	1.0	289157	2823653	1107	8.06	183	10.67	747.20		
5691	1.0	289163	2823656	1108	11.15	211	14.16	991.50	L29	
5692	1.0	289163	2823656	1107	7.58	316	12.09	846.60		

5693	1.0	289163	2823656	1106	14.30	224	17.50	1225.00		
5694	1.0	289169	2823660	1102	7.70	92.8	9.03	631.80	L30	
5695	1.0	289169	2823660	1101	70.70	710	80.84	5659.00		
5696	1.0	289174	2823659	1102	3.51	47.1	4.18	292.80	L31	
5697	1.0	289174	2823659	1101	8.00	90.4	9.29	650.40		
5698	1.0	289179	2823658	1102	4.37	145	6.44	450.90	L32	
5699	1.0	289179	2823658	1101	1.35	60.8	2.22	155.30		
5700	1.0	289165	2823669	1098	9.33	346	14.27	999.10	L33	
5701	1.0	289178	2823669	1097	2.99	70.7	4.00	280.00	L34	
5702	1.0	289178	2823669	1096	4.18	346	9.12	638.60		
5703	1.0	289178	2823669	1095	2.52	26.3	2.90	202.70		
5704	1.0	289181	2823672	1094	2.27	150	4.41	308.90	L35	
5705	1.0	289181	2823672	1093	2.70	113	4.31	302.00		
5422	0.8	289114	2825657	1085	1.04	165	3.40	237.80	Refugio Crosscut	
5423	0.9	289114	2825657	1085	1.39	140	3.39	236.95		
5397	1.0	289136	2823619	1161	8.49	120	10.20	714.30	L1	Refugio Prospect
5398	0.7	289136	2823619	1162	1.66	87.3	2.91	203.50		
5399	1.0	289136	2823620	1162	6.91	133	8.81	616.70	L2	
5400	0.9	289136	2823620	1161	12.50	307	16.89	1182.00		
5401	1.0	289136	2823620	1162	13.75	205	16.68	1167.50	L3	
5402	0.8	289135	2823620	1161	8.71	252	12.31	861.70		
5403	0.5	289135	2823623	1162	1.97	44	2.60	181.90	L4	
5404	0.8	289135	2823623	1161	6.50	135	8.43	590.00		
5382	1.5	289674	2823870	1119	2.35	67.1	3.31	231.60	480 Cometa	
5383	1.5	289676	2823871	1119	5.32	102	6.78	474.40		
5384	1.5	289678	2823871	1119	3.09	80.8	4.24	297.10		
5385	1.0	289679	2823871	1119	3.36	67	4.32	302.20		
5386	1.0	289680	2823871	1119	3.61	203	6.51	455.70		
5387	1.0	289680	2823871	1119	7.14	81	8.30	580.80		
5388	1.0	289681	2823872	1119	9.32	67.9	10.29	720.30		
5389	1.0	289682	2823872	1119	2.61	172	5.07	354.70		
5390	1.0	289683	2823872	1119	4.78	306	9.15	640.60		
3572	1.0	289688	2823831	1148	1.74	914	14.79	1035.45	Cometa 2	
799022	1.0	289673	2824133	997	0.42	11	0.58	40.40	L2	Soledad Level 4
799023	1.0	289673	2824134	997	1.44	75	2.51	175.80		
799024	1.0	289673	2824135	997	3.74	106	5.25	367.80		
799026	0.5	289675	2824135	997	1.03	33.5	1.51	105.60		
799027	1.0	289679	2824135	997	0.55	26.3	0.93	65.01		
799028	1.0	289675	2824138	997	0.62	88.6	1.88	131.86		
799029	1.0	289671	2824137	997	17.10	245	20.60	1442.00	L3	
799030	1.0	289671	2824138	997	0.38	15.2	0.60	42.08		
799031	0.8	289672	2824139	997	2.35	139	4.34	303.50		
799032	1.0	289664	2824142	997	7.43	163	9.76	683.10	L4	
799033	1.0	289664	2824142	997	0.71	40.2	1.29	90.18		
799034	1.0	289661	2824144	997	2.38	48.8	3.08	215.40	L5	
799035	0.5	289661	2824144	997	1.20	61.9	2.08	145.90		
5734	1.0	290222	2823168	873	0.02	1.9	0.05	3.51	Copalquin Creek Line	
5735	0.5	290221	2823167	873	0.40	89	1.67	116.79		
5736	1.0	290222	2823166	873	0.07	21.3	0.37	26.13		
5737	1.0	290221	2823165	873	18.25	93.7	19.59	1371.20		
5738	1.0	290221	2823164	873	0.13	9.3	0.26	18.40		
5739	1.0	290220	2823163	873	5.69	131	7.56	529.30		
5740	0.5	290220	2823163	873	0.10	9.9	0.24	16.83		
5741	1.0	290220	2823162	873	0.03	2.5	0.07	4.60		
5742	1.0	290220	2823161	873	0.02	0.6	0.03	1.86		
5743	1.0	290219	2823160	873	0.01	1.6	0.03	2.44		
5748	1.0	290213	2823164	875	3.15	191	5.88	411.50	Copalquin Mine	
5749	1.0	290213	2823165	875	7.48	300	11.77	823.60		
799009	1.0	290208	2823167	875	0.52	38.9	1.07	75.02		
799010	1.0	290204	2823168	875	1.12	43.4	1.74	121.80		
799011	1.0	290199	2823170	875	0.93	22.5	1.25	87.74		
799012	1.0	290194	2823171	875	1.37	60.6	2.24	156.50		
799013	1.0	290189	2823173	875	0.44	52.4	1.18	82.85		
799014	1.0	290188	2823173	875	0.37	39	0.93	65.04		

ABOUT THE COPALQUIN GOLD SILVER PROJECT

The Copalquin mining district is located in Durango State, Mexico and covers an entire mining district of 70km^2 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)[^].

With over seventy historic gold-silver mines and workings throughout 70km^2 of mining concession area, Copalquin is an entire mining district with high-grade exploration results and a maiden JORC resource. To date there are four interpreted hydrothermal upwelling zones in the district with one already hosting a high-grade gold-silver JORC resource at El Refugio (**529koz AuEq @6.81 g/t AuEq**)[1]. There is considerable strike and depth potential to increase the resource at El Refugio and at other target areas across the district.

With the district-wide gold and silver occurrences and rapid exploration success, it is clear the Copalquin District is developing into another significant gold-silver district like the many other districts in this prolific Sierra Madre Gold-Silver Trend of Mexico. These districts can host 1 – 5 million ounces of gold plus 50 – 100+ million ounces of silver.

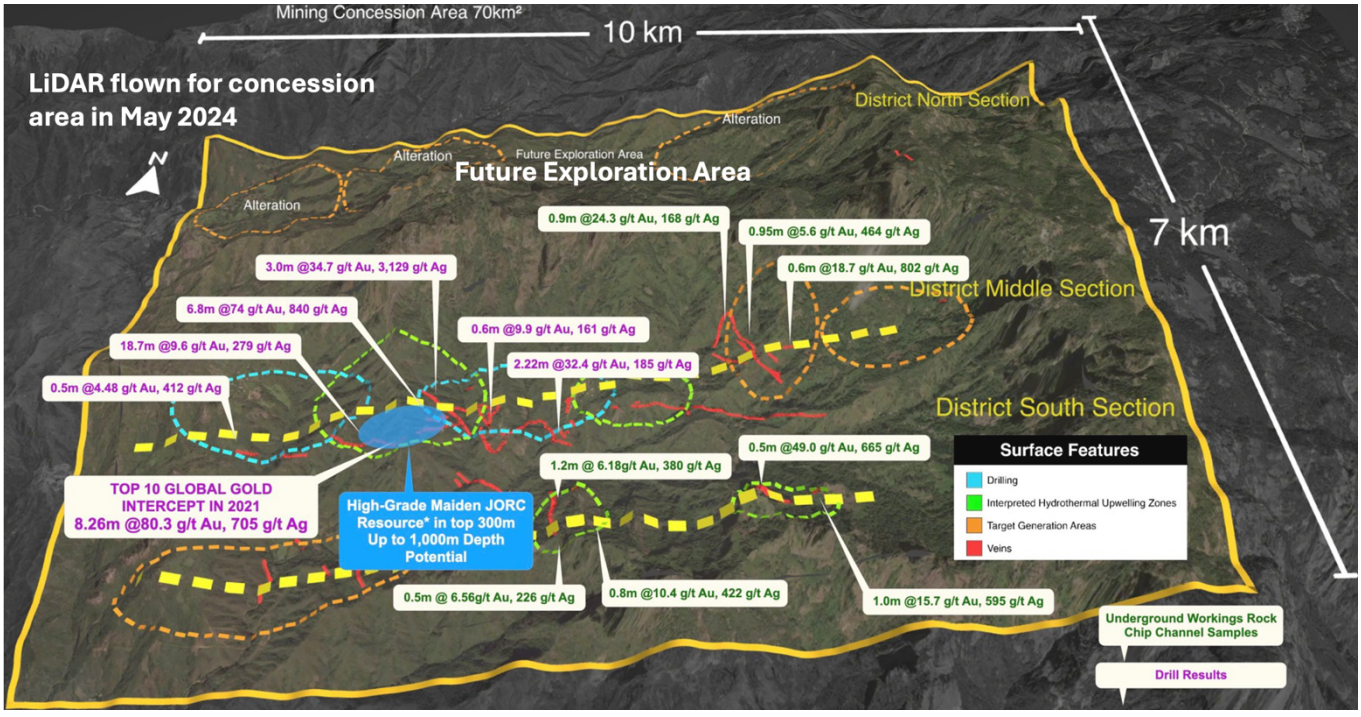

Figure 7 – Satellite image of the Copalquin Mining District 70km2 concession area showing the two main lines of historic workings, areas of exploration work and the location of the maiden JORC MRE at the first target area of El Refugio-La Soledad.

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

* The gold equivalent (AuEq.) values are determined from gold and silver values and assume the following: 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. Metallurgical recoveries are assumed to be approximately equal for both gold and silver at this early stage. Actual metallurgical recoveries from test work to date are 96% and 91% for gold and silver, respectively. In the Company's opinion there is reasonable potential for both gold and silver to be extracted and sold. Actual metal prices have not been used in resource estimate, only the price ratio for the AuEq reporting.

^ The information in this report that relates to Mineral Resources or Ore Reserves is based on information provided in the following ASX announcement: 17 Nov 2021 - MAIDEN JORC RESOURCE 529,000 OUNCES @ 6.81G/T (AuEq*), which includes the full JORC MRE report, also available on the Mithril Resources Limited Website.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

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, and develop other targets, demonstrating the district multi-million-ounce gold and silver potential.
Mithril has an exclusive option to purchase 100% interest in the Copalquin mining concessions (currently owns 50%) by paying US$10M on or any time before 7 August 2028.

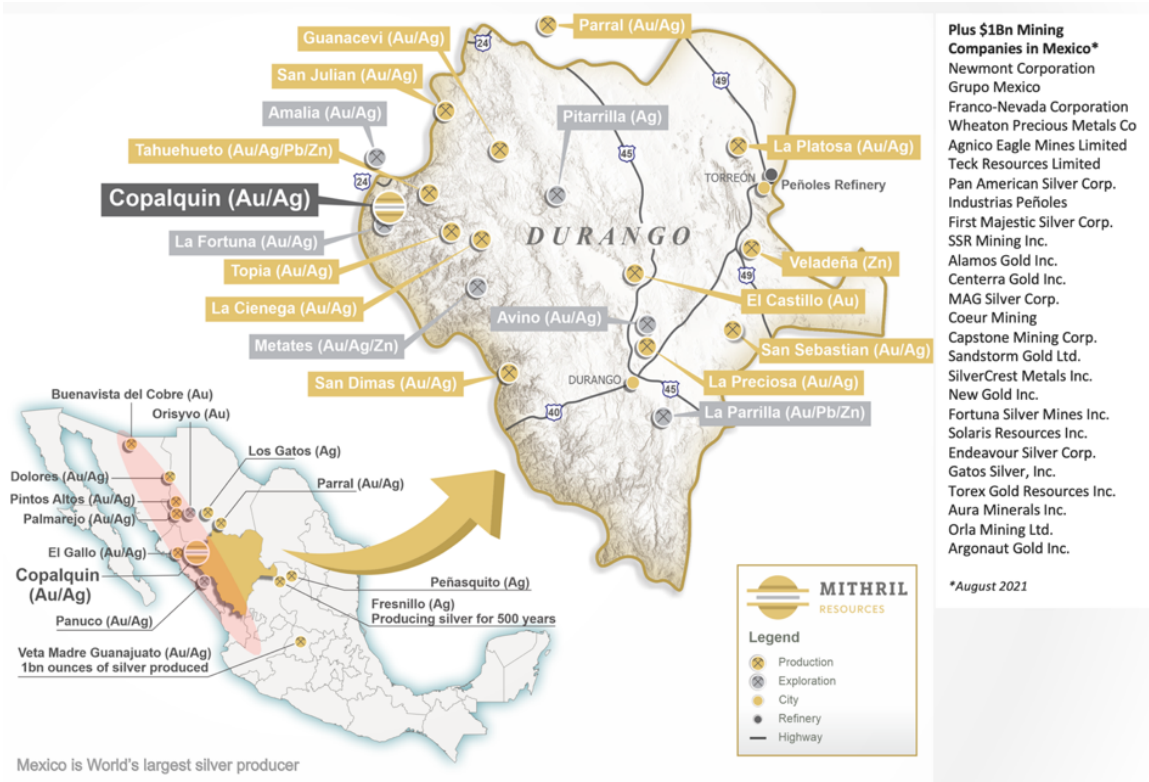

Figure 8 – Copalquin District location map with locations of mining and exploration activity within the state of Durango

-ENDS-

Released with the authority of the Board.

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Competent Persons Statement

The information in this announcement 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.

The information in this announcement that relates to sampling techniques and data, exploration results and geological interpretation for Mithril's Mexican project, has been compiled by Mr Ricardo Rodriguez who is Mithril's Project Manager. Mr Rodriguez is a Member of the Australasian Institute of Mining and Metallurgy. This is a Recognised Professional Organisation (RPO) under the Joint Ore Reserves Committee (JORC) Code.

Mr Rodriguez 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 Rodriguez consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

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

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

JORC Code, 2012 Edition – Table 1
Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample represenitvity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	- Rock Sawn Channel samples were collected of Au-Ag (Acanthite) bearing quartz veins, silicification, and breccia zones as well tectonic and hydrothermal breccias structures within a Tertiary volcanics under the supervision of a qualified geologist. - Rock Sawn Channel samples with a weight of 3.5 to 6 kilograms were collected from representative exposures. Underground samples were collected from Refugio Mine, Soledad Level 4, Cometa Mine, and Cometa 2 and Rock Saw Channel surface samples were collected from 480 Cometa Structure, and Copalquin Creek Line - Rock Sawn Channel samples underground and surface were done with the assistance of a handheld portable saw 2.5 to 3cm deep and 6-8 cm wide along continuous lines oriented perpendicular to the mineralized structure. The samples are as representative as possible - Rock Sawn Channel surface samples were surveyed with a Handheld GPS then permanently mark with an aluminium tag and red colour spray across the strike of the outcrop over 1 metre. Samples are as representative as possible - Rock Sawn Channel underground samples were located after a compass and tape with the mine working having a surveyed control point at the portal, then permanently marked with an aluminium tag and red colour spray oriented perpendicular to the mineralized structure. Samples are as representative as possible - Standards and blanks were inserted and photographs taken of each interval samples which averaged 1 m - Samples are dried and prepared at the laboratory. Samples were crushed to approximately 85% passing 2mm. A 500g or a 1 kg sub-sample was taken and pulverized to 85% passing 75µm. A 50g charge was analysed for Au by fire assay with AA determination. Where the fire assay grade is > 10g/t gold, a 50g charge was analysed for Au by Fire assay with gravimetric determination. In addition, a 10g charge was analysed for 34 elements by 4-acid digest and ICP-AES determination. - For Ag >. 100 g/t, Zn, Pb and Cu > 10,000 ppm and S > 10%, overlimit analysis was done by the same method using a different calibration - Unused pulps are returned from the laboratory to the office and stored in a secure location, so they are available for any further analyses.
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).*	• No drilling is being reported
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.*	• No drilling is being reported

Criteria	JORC Code explanation	Commentary
	• *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	Rock Sawn Channel samples are logged for lithology, weathering, alteration, mineralisation and measurements are made of any relevant structures in the vicinity of the sample. Samples were geologically and structurally logged under the supervision of a qualified geologist Rock Sawn Channel samples were measured for metal sulphide and host quartz content and orientation
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	Rock Sawn Channel samples were a width at least of 3 cm and approximate sample supporting of half core NQ from diamond drilling. Ie sample diameter of 56mm, being a half core sample of that.
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.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and*	Samples are assayed for gold using ALS Minerals Au-AA23 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 AgOG62 and AgGRAV21. These are considered a total assay technique Standards, and blanks are inserted appropriately into the sample stream. External laboratory checks will be conducted as sufficient samples are

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.*	collected. Levels of accuracy (ie lack of bias) and precision have not yet been established. Samples are stored in a secure location and transported to the ALS laboratory in Chihuahua for sample preparation of fine crush, riffle split and pulverizing of 1Kg to 85% < 75 µm Pulps are analysed by ALS Vancouver (Canada) using method code ME-ICP61 a 34 element determination using a four acid digestion, Au-AA23
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols are maintained in the company's core facility. Final sample assay analyses are received by digital file in PDF and CSV format. There is no adjustment made to any of the assay values received. The original files are backed-up and the data copied into a cloud-based drill hole database, stored offsite from the project. The data is remotely accessible for geological modelling and exploration planning. Assay results summarised in the context of this report have been rounded appropriately to 2 significant figures. No assay data have been otherwise adjusted. Assay data have not been adjusted other than applying length weighted averages to reported intercepts.
Location of data points	• *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.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	Rock Sawn Channel surface samples are surveyed with handheld GPS which is generally precise to +/- 10-15 metres. The locations have been surveyed in WGS84 UTM zone 13N. The samples are then draped on detailed topographic models which are precise to 2m elevation. UTM/UPS WGS 84 zone 13 N Rock Sawn Channel underground samples were located after a compass and tape surveyed of the working having a control point on the portal. Future drone surveyed is plan to be done
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	Data spacing is appropriate for the reporting of Exploration Results. No sample compositing has been applied.

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	• *Whether the orientation of 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.*	Rock sawn channel samples have been collected relative to the orientation of the geology. Representative rock sawn channel samples of 3.5 – 6 kg weight taken across the strike of the mineralized structure or outcrop over 1 metres intervals No bias is believed to be introduced by the sampling method,
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

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Mineral tenement and land tenure status</td><td>• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.
• The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</td><td>• Concessions at Copalquin
<table>
<tr><th>No.</th><th>Concession</th><th>Concession Title number</th><th>Area (Ha)</th><th>Location</th></tr>
<tr><td>1</td><td>LA SOLEDAD</td><td>52033</td><td>6</td><td>Tamazula, Durango, Mexico</td></tr>
<tr><td>2</td><td>EL COMETA</td><td>164869</td><td>36</td><td>Tamazula, Durango, Mexico</td></tr>
<tr><td>3</td><td>SAN MANUEL</td><td>165451</td><td>36</td><td>Tamazula, Durango, Mexico</td></tr>
<tr><td>4</td><td>COPALQUIN</td><td>178014</td><td>20</td><td>Tamazula, Durango, Mexico</td></tr>
<tr><td>5</td><td>EL SOL</td><td>236130</td><td>6,000</td><td>Tamazula, Durango and Badiraguato, Sinaloa, Mexico</td></tr>
<tr><td>6
•</td><td>EL CORRAL</td><td>236131</td><td>907.3243</td><td>Tamazula, Durango and Badiraguato, Sinaloa, Mexico</td></tr>
</table></td></tr>
<tr><td>Exploration done by other parties</td><td>• Acknowledgment and appraisal of exploration by other parties.</td><td>Previous exploration by Bell Coast Capital Corp. and UC Resources was done in the late 1990's and in 2005 – 2007. Work done by these companies is historic and non-JORC compliant. Mithril uses these historic data only as a general guide and will not incorporate work done by these companies in resource modelling.

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)</td></tr>
</table>

Criteria	JORC Code explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Copalquin is a low sulfidation epithermal gold-silver deposit hosted in andesite. This deposit type is common in the Sierra Madre Occidental of Mexico and is characterized by quartz veins and stockworks surrounded by haloes of argillic (illite/smectite) alteration. Veins have formed as both low-angle semi-continuous lenses parallel to the contact between granodiorite and andesite and as tabular veins in high-angle normal faults. Vein and breccia thickness has been observed up to 30 meters wide with average widths on the order of 3 to 5 meters. The overall strike length of the semi-continuous mineralized zone from El Gallo to Refugio, Cometa, Los Pinos, Los Reyes, La Montura to Constancia is almost 6 kilometres. The southern area from Apomal to San Manuel and to Las Brujas-El Peru provides additional exploration potential up to 5km.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* • *easting and northing of the drill hole collar* • *elevation or RL (Reduced Level – elevation above* • *sea level in metres) of the drill hole collar* • *dip and azimuth of the hole* • *down hole length and interception depth* • *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	Diamond Saw Channel Samples

Sample_ID	Width	X	Y	Z
5469	1.0	289147	2823687	1088.5
5470	1.0	289147	2823687	1087.5
5471	0.5	289147	2823687	1086.5
5472	1.0	289147	2823687	1086
5473	1.0	289152	2823688	1087.5
5474	0.5	289152	2823688	1087
5475	1.0	289152	2823688	1086
5235	1.0	289157	2823688	1087.5
5236	1.0	289157	2823688	1086.5
5237	1.0	289157	2823688	1086
5311	1.0	289161	2823688	1088
5312	1.0	289161	2823688	1087
5313	1.0	289161	2823688	1086
5314	1.0	289166	2823688	1087
5315	1.0	289166	2823688	1086
5316	1.0	289171	2823686	1088
5317	1.0	289171	2823686	1087
5318	1.0	289171	2823686	1086
5319	1.0	289176	2823688	1087
5321	1.0	289176	2823688	1086
5322	1.0	289180	2823685	1087
5323	1.0	289180	2823685	1086
799001	1.0	289184	2823684	1087
799002	1.0	289184	2823684	1086
799003	1.0	289188	2823682	1087
799004	1.0	289188	2823682	1086
5651	0.5	289087	2823655	1114.5
5652	1.0	289087	2823655	1114
5653	0.5	289090	2823656	1114.5
5654	1.0	289090	2823656	1114
5656	1.0	289092	2823656	1102
5657	1.0	289092	2823656	1101
5658	1.0	289097	2823657	1102.1
5659	1.1	289097	2823657	1101.1
5660	1.0	289102	2823657	1102
5661	1.0	289102	2823657	1101
5662	0.5	289107	2823658	1102.5
5663	1.0	289107	2823658	1102
5664	1.0	289107	2823658	1101
5665	1.0	289112	2823658	1102.2
5666	1.2	289113	2823658	1101.2
5667	1.0	289119	2823659	1102.1
5668	1.1	289119	2823659	1101.1
5669	1.0	289124	2823659	1102
5670	1.0	289124	2823659	1101
5671	1.0	289130	2823660	1102.2
5672	1.2	289130	2823660	1101.2
5673	1.0	289135	2823660	1102.1
5674	1.1	289135	2823660	1101.1
5676	1.0	289137	2823661	1102.1
5677	1.1	289137	2823661	1101.1
5678	0.5	289138	2823661	1101.5
5679	1.0	289138	2823661	1101
5680	1.0	289144	2823662	1102.2
5681	1.2	289144	2823662	1101.2
5682	0.5	289149	2823662	1101.5
5683	1.0	289149	2823662	1101
5684	0.5	289155	2823663	1101.5
5686	1.0	289155	2823663	1101
5687	1.0	289159	2823663	1102
5688	1.0	289159	2823663	1101

Criteria	JORC Code explanation	Commentary

5689	1.0	289157	2823653	1108
5690	1.0	289157	2823653	1107
5691	1.0	289163	2823656	1108
5692	1.0	289163	2823656	1107
5693	1.0	289163	2823656	1106
5694	1.0	289169	2823660	1102
5695	1.0	289169	2823660	1101
5696	1.0	289174	2823659	1102
5697	1.0	289174	2823659	1101
5698	1.0	289179	2823658	1102
5699	1.0	289179	2823658	1101
5700	1.0	289165	2823669	1098
5701	1.0	289178	2823669	1097
5702	1.0	289178	2823669	1096
5703	1.0	289178	2823669	1095
5704	1.0	289181	2823672	1094
5705	1.0	289181	2823672	1093
5422	0.8	289114	2825657	1085
5423	0.9	289114	2825657	1085
5397	1.0	289136	2823619	1161
5398	0.7	289136	2823619	1162
5399	1.0	289136	2823620	1162
5400	0.9	289136	2823620	1161
5401	1.0	289136	2823620	1162
5402	0.8	289135	2823620	1161
5403	0.5	289135	2823623	1162
5404	0.8	289135	2823623	1161
5382	1.5	289674	2823870	1119
5383	1.5	289676	2823871	1119
5384	1.5	289678	2823871	1119
5385	1.0	289679	2823871	1119
5386	1.0	289680	2823871	1119
5387	1.0	289680	2823871	1119
5388	1.0	289681	2823872	1119
5389	1.0	289682	2823872	1119
5390	1.0	289683	2823872	1119
3572	1.0	289688	2823831	1148
799022	1.0	289673	2824133	997
799023	1.0	289673	2824134	997
799024	1.0	289673	2824135	997
799026	0.5	289675	2824135	997
799027	1.0	289679	2824135	997
799028	1.0	289675	2824138	997
799029	1.0	289671	2824137	997
799030	1.0	289671	2824138	997
799031	0.8	289672	2824139	997
799032	1.0	289664	2824142	997
799033	1.0	289664	2824142	997
799034	1.0	289661	2824144	997
799035	0.5	289661	2824144	997
5734	1.0	290222	2823168	873
5735	0.5	290221	2823167	873
5736	1.0	290222	2823166	873
5737	1.0	290221	2823165	873
5738	1.0	290221	2823164	873
5739	1.0	290220	2823163	873
5740	0.5	290220	2823163	873
5741	1.0	290220	2823162	873
5742	1.0	290220	2823161	873
5743	1.0	290219	2823160	873
5748	1.0	290213	2823164	875
5749	1.0	290213	2823165	875
799009	1.0	290208	2823167	875
799010	1.0	290204	2823168	875
799011	1.0	290199	2823170	875
799012	1.0	290194	2823171	875
799013	1.0	290189	2823173	875
799014	1.0	290188	2823173	875

Criteria	JORC Code explanation	Commentary
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. • 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)
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• Diamond rock saw samples have been taken perpendicular to the structures so for all intents and purposes, the sample lengths are equal to the mineralisation widths.

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.*	The location and results received for diamond saw samples are displayed in the Figures and Tables in this announcement.
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 in Tables and Figures in this announcement
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.*	• No additional exploration data are substantive at this time. • Metallurgical test work on drill core composite made of crushed drill core from the El Refugio drill hole samples has been conducted. • 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 17th November 2021. • The test work was conducted by SGS laboratory Mexico using standard reagents and test equipment.

Criteria	JORC Code explanation	Commentary
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Drilling at the Copalquin District Target Area 1 is currently underway. • A LiDAR survey has been flown over the district mining concession area with data currently being interpreted.