

# Cerro Leon drill results

## Further high-grade mineralisation identified at the Karina prospect

Unico Silver Limited (“USL” or the “Company”) is pleased to announce first assay results from ongoing drilling at the Cerro Leon project, located in the Santa Cruz province of Argentina.

### HIGHLIGHTS

- Assay results received for the first 9 holes for 757m at the Karina prospect.
- Results are pending for a further 42 holes for 3,595m.
- The approximately 5,000m RC drill program is progressing well, with completion expected on 15 December 2024.
- Significant silver equivalent (AgEq<sup>1</sup>) assay results include:

Karina	(PR003-24)	12m at 307gpt AgEq from 49m, inc. 3m at 1,052gpt AgEq from 56m (outside MRE)
	(PR004-24)	23m at 104gpt AgEq from 30m (open at depth)
	(PR005-24)	12m at 411gpt AgEq from 18m, inc. 5m at 828gpt AgEq from 23m (open at depth)
	(PR007-24)	26m at 126gpt AgEq from 31m (open at depth)
	(PR009-24)	35m at 209gpt AgEq from 4m (outside MRE) 2m at 1,500gpt AgEq from 7m

- Mineralisation is defined over 900m strike and 75m down dip and is open at depth.
- Drill operations will scale up in the first week of January with two diamond rigs mobilising to site to test the vertical continuity of mineralised across all priority prospects, including Karina.
- These results form part of a fully funded 50,000m drill program across the Cerro Leon and Joaquin projects, contributing to a revised Mineral Resource Estimate (MRE).

**Managing Director, Todd Williams:** *“The first nine holes at Karina exceed expectations and confirms the continuity of mineralisation along 900m strike and the potential for further extensions at depth. Notably, hole PR003-24 reported an exceptional individual assay of 2609gpt silver, validating the shallow high-grade nature of mineralisation. With assays for 42 additional holes still pending and drilling set to scale up in January, shareholders can look forward to a steady stream of results and updates over the next 12 months, including a revised MRE.”*

<sup>1</sup>See footnote (6) Table 3



Summary

Unico Silver holds 100% of the Cerro Leon and Joaquin silver gold districts located in the central Deseado Massif geological province, Santa Cruz Argentina (Figure 1). The current drill program at Cerro Leon commenced October 2024 and is anticipated to continue through to the end of Q1 2025. It forms part of a broader fully funded 50,000m drill program planned for both projects culminating in a revised MRE late 2025.

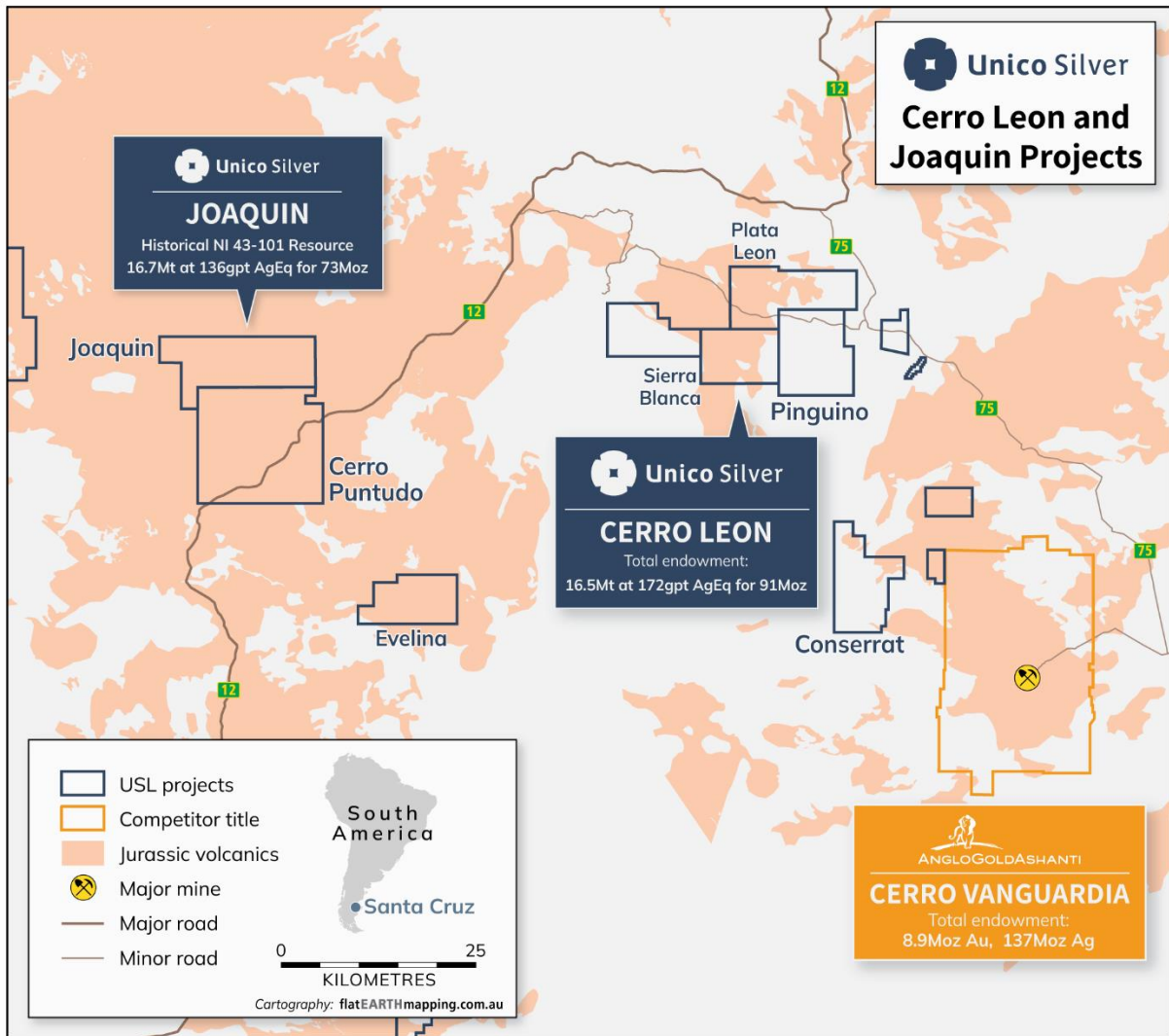


Figure 1: Joaquin and Cerro Leon project location

Cerro Leon is strategically located within the same structural corridor that is host to AngloGold Ashanti’s world-class Cerro Vanguardia mine. The Project hosts a JORC compliant Mineral Resource Estimate (MRE) of **91Moz AgEq for 16.5Mt at 172gpt AgEq** (Table 3).

During August 2024, announced the acquisition of the Joaquin project from Pan American Silver Corp (PAAS). Joaquin is host to a Foreign Estimate of **73Moz AgEq for 16.7Mt at 136gpt AgEq**<sup>4</sup> (Table 4). Historical production by PAAS from 2019 to 2022 totals 4.3Moz Ag (Table 5).



**Cautionary Statement**

(a) The Foreign Estimate of mineralisation included in this announcement is not compliant with the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves (2012 JORC Code) and is a "Foreign Estimate"

(b) An independent resource consulting group NCL Ingenieria y Construccion Ltda. was commissioned by Coeur D'Alene Mines Corporation to prepare an independent Technical Report on the Joaquin Project suitable for reporting purpose under the standards of NI 43-101.

(c) A Competent Person (under ASX Listing Rules) has not yet done sufficient work to classify the Foreign Estimate as Mineral Resources or Ore Reserves in accordance with the 2012 JORC Code.

(d) It is uncertain that following evaluation and/or further exploration work that the foreign estimates will be able to be reported as mineral resources or ore reserves in accordance with the JORC Code 2012.

**Table 1: Drill hole locations**

Prospect	Hole ID	Status	East (UTM19s)	North (UTM19s)	Depth	RL	Dip	Azi
Karina	PR001-24	Assays received	526792.1	4682827	100	405.6	-57	14
Karina	PR002-24		526847.4	4682843	75	403.7	-52	340
Karina East	PR003-24		527124.3	4682926.4	66	391	-60	330
Karina	PR004-24		526466	4682726	90	415	-55	327
Karina	PR005-24		526398.9	4682690.5	90	415.1	-55	325
Karina	PR006-24		526536	4682780	72	412	-60	318
Karina	PR007-24		526683	4682845.2	68	408.1	-55	330
Karina	PR008-24		526605	4682797	100	409	-55	320
Karina	PR009-24		526875.9	4682870.9	96	403	-57	14
Tranquilo	PR010-24	Assays pending	525324	4681028	93	390.5	-55	220
Tranquilo	PR011-24		525242	4681107	90	386.6	-55	220
Tranquilo	PR012-24		525308.8	4681054.3	96	390.4	-55	220
Tranquilo	PR013-24		525192	4681156	100	382	-55	230
Link Tr-Luna	PR014-24		525034	4681263	105	379	-50	220
Link Tr-Luna	PR015-24		524985	4681200	84	375	-50	220
Link Tr-Luna	PR016-24		525144	4681163	70	379	-55	230
Martha Sur	PR017-24		527780	4680453	122	400.2	-60	52
Marta Norte	PR018-24		524965.9	4684410.1	100	395.1	-60	40
Marta Norte	PR019-24	525025.4	4684355.8	84	391.4	-60	40	
Marta Norte	PR020-24	525095.6	4684242.6	100	393.7	-50	40	
Marta Norte	PR021-24	524484.8	4684933.8	90	402.8	-50	50	
Tranquilo	PR022-24	525439	4680919	78	382	-55	230	
Tranquilo	PR023-24	525438.8	4680885.3	54	381.3	-60	230	
Tranquilo	PR024-24	525272	4681108	108	388	-55	220	
Link Tr-Luna	PR025-24	525108	4681196	84	379	-65	220	
Link Tr-Luna	PR026-24	525049	4681202	54	377	-50	220	
Karina East	PR027-24	527032	4682908	42	395	-50	339	
Karina East	PR028-24	527106	4682894	96	390	-50	342	
Karina East	PR029-24	526971.6	4682875.5	72	397	-46	350	
Karina East	PR030-24	526925.5	4682869.1	90	399.7	-58	0	
CSS	PR031-24	527422	4682751	78	404	-55	180	
CSS	PR032-24	527350.5	4682748.9	66	404	-48	177	
CSS	PR033-24	527545.8	4682754.1	78	399	-60	165	
CSS	PR034-24	527469	4682752	84	403.5	-56	187	
Sierra Blanca	PR035-24	521396.5	4683283.1	63	400.7	-55	45	
Sierra Blanca	PR036-24	521213	4683459	55	396.8	-50	180	
Sierra Blanca	PR037-24	521191.4	4683443.4	42	397.9	-55	180	
Sierra Blanca	PR038-24	521145	4683451	54	395.2	-45	180	



Prospect	Hole ID	Status	East (UTM19s)	North (UTM19s)	Depth	RL	Dip	Azi
Sierra Blanca	PR039-24	Assays Pending	520900	4683527	125	398.9	-60	180
Sierra Blanca	PR040-24		521166.2	4683491.7	126	394.8	-49	180
Sierra Blanca	PR041-24		520848	4683535	120	396.7	-55	180
Sierra Blanca	PR042-24		520822.7	4683533.2	76	397.6	-55	180
Tranquilo	PR043-24		525242	4681107	102	386.6	-55	220
Tranquilo	PR044-24		525270	4681035	60	389	-45	230
Tranquilo	PR045-24		525308.8	4681054.3	110	390.4	-55	220
Tranquilo	PR046-24		525373	4681007	118	387	-55	230
Trinda-Silvia	PR047-24		528234.8	4682752	72	398.2	-55	230
Trinda-Silvia	PR048-24		528494.6	4682465	90	404.1	-60	235
Trinda-Silvia	PR049-24		528402.1	4682599	114	404.2	-70	235
Trinda-Silvia	PR050-24		528139.9	4682858	90	396.8	-50	222
Sonia	PR051-24		528673.2	4681446	60	395.4	-55	55

**Table 2: Significant drill hole assay results**
*AgEq GT = Silver equivalent grade multiplied by downhole mineralised interval (Grade Thickness)*

Prospect	Hole ID	From	To	Interval	Au (gpt)	Ag (gpt)	Pb (%)	Zn (%)	AgEq	AgEq GT
Karina	PR001-24	44	48	4	0.35	31	0.35	0.12	73	291
		and	70	72	2	0.93	49	0	0.1	127
	PR002-24	22	27	5	0.24	22	0.5	0.1	58	290
		Inc.	34	51	17	0.33	98	0.8	0.1	149
	PR003-24	49	61	12	0.25	260	0.3	0.5	307	3688
		Inc.	56	59	3	0.78	930	0.5	1.2	1052
	PR004-24	30	53	23	0.75	27	0.5	0.1	104	2386
		Inc.	36	39	3	4.1	21	0.9	0.1	376
	PR005-24	18	30	12	3.34	89	2	0.1	411	4935
		Inc.	23	28	5	7.22	152	3.7	0.1	828
	PR006-24	18	23	5	0.48	68	0.4	0.1	121	603
		and	34	50	16	0.16	34	0.5	0.1	64
	PR007-24	31	57	26	0.71	64	0.2	0	126	3274
	PR008-24	45	52	7	0.2	14	0.6	0.3	57	400
	PR009-24	4	39	35	1.35	84	0.5	0.1	209	7305
	Inc.	7	9	2	14.99	284	0.2	0.3	1500	3000



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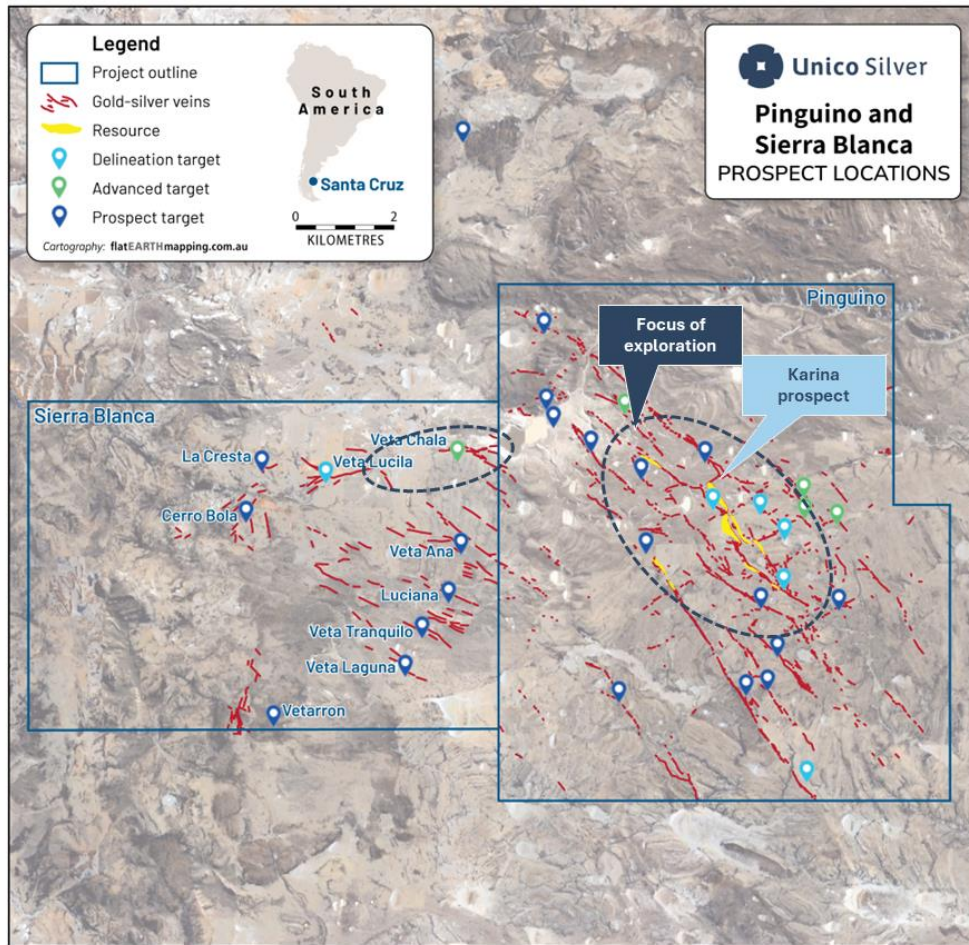


Figure 2: Pinguino and Sierra Blanca projects

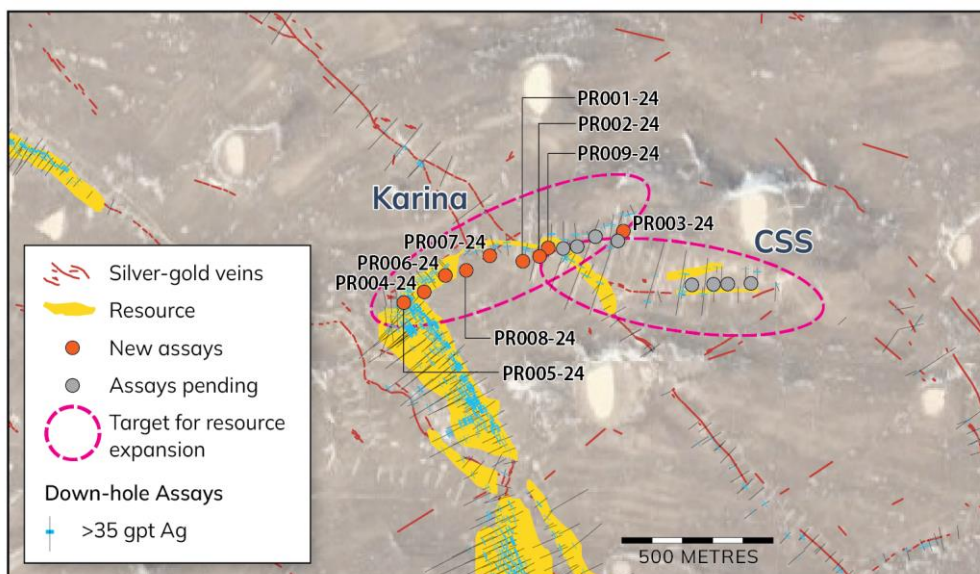


Figure 3: Karina drill holes – new assays and pending



## Discussion

The current drill program comprises an approximately 5,000m RC drill program that is to be completed by 15 December 2024. The program is designed to test shallow mineralisation (less than 75 vertical meters) at six prospects (see ASX announcement, 9 October 2024, *Priority Silver Targets Outlined at Cerro Leon*).

Assay results have been received for the first 9 holes totalling 757m at the Karina prospect. Assay results for a further 42 holes for 3,595 m are pending (Table 1).

At Karina, objectives for the current shallow RC drill program include:

- a) Upgrade shallow mineralisation from inferred to indicated status, and
- b) Define distribution of grade and “mineralised shoots” to inform deeper diamond drilling.

Assay results are provided in Table 2 and AgEq assay results are summarised below:

<b>Karina</b>	(PR003-24) <b>12m at 307gpt AgEq</b> from 49m, inc. <b>3m at 1,052gpt AgEq</b> from 56m ( <b>outside MRE</b> )
	(PR004-24) <b>23m at 104gpt AgEq</b> from 30m ( <b>open at depth</b> )
	(PR005-24) <b>12m at 411gpt AgEq</b> from 18m, inc. <b>5m at 828gpt AgEq</b> from 23m ( <b>open at depth</b> )
	(PR007-24) <b>26m at 126gpt AgEq</b> from 31m ( <b>open at depth</b> )
	(PR009-24) <b>35m at 209gpt AgEq</b> from 4m, inc. <b>2m at 1,500gpt AgEq</b> from 7m ( <b>outside MRE</b> )

Mineralisation has been defined over 900 m strike and 75 m downdip and is open at depth (Figure 4).

Mineralisation is associated with polymetallic epithermal silica sulphide veins with high grades localised in vein intersections and flexures.

Encouragingly, the best silver equivalent grade thickness (GT) values are outside of the current MRE and include hole PR003-24 (GT = 3,688) and PR009-24 (GT = 7,305). Hole PR009-24 is located 100m east-northeast of historical hole PR224-12 which returned **5m at 1,854gpt AgEq**, confirming the lateral continuity of high-grade mineralisation. All drill holes were orientated perpendicular to the Karina vein and approximate true widths.

Hole PR005-24 returned high-grade mineralisation within the Marta Esta vein near the eastern terminus of the Karina vein. This hole intercepted the Marta Este vein oblique to the vein orientation and true widths are estimated to be 50% of the stated intervals.

## Next Steps

Following a short break for the Christmas holidays, drilling is planned to recommence in early January and will be scaled up with two diamond rigs mobilising to site.

Given the results of this phase of RC drilling at Karina, drilling will include a series of deeper diamond drill holes to test the vertical continuity and expand current resources (Figure 4).



**Table 3: Cerro Leon Project - Mineral Resource Estimate**

Category	Tonnes	AgEq (gpt)	AgEq (Moz)	Ag (gpt)	Au (gpt)	Pb (%)	Zn (%)	Ag (Moz)	Au (Koz)	Pb (Mlb)	Zn (Mlb)
Indicated	6.82	172	37.8	86	0.49	0.28	0.93	18.8	107	41.9	140
Inferred	9.65	172	53.5	71	0.77	0.77	0.77	22.1	237	53.7	163
<b>Total</b>	<b>16.47</b>	<b>172</b>	<b>91.3</b>	<b>77</b>	<b>0.65</b>	<b>0.57</b>	<b>0.84</b>	<b>40.9</b>	<b>344</b>	<b>95.6</b>	<b>304</b>

1. The preceding statements of Mineral Resources conforms to the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) 2012 Edition.
2. The information in this announcement that relates to the current Mineral Resources for Cerro Leon has been extracted from the ASX release by Unico Silver entitled "Cerro Leon Resource Grows 84% to 92Moz" dated 18 May 2023, available at [www.unicosilver.com.au](http://www.unicosilver.com.au) and [www.asx.com.au](http://www.asx.com.au) ("Unico Silver Announcement").
3. Unico Silver confirms that it is not aware of any new information or data that materially affects the information included in the Unico Silver Announcement in relation to estimates of Mineral Resources and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. Unico Silver confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the announcement.
4. Due to rounding to appropriate significant figures minor discrepancies may occur.
5. Lead and Zinc credits are only considered for the Marta Centro prospect, all other prospects the Pb and Zn are attributed no economic value.
6. Cerro Leon's reported silver equivalent (AgEq) is consistent with previous reports and is based on the following assumptions:  $AgEq = Ag (g/t) + 79.18 \times Au (g/t) + 25.56 \times Pb (\%) + 39.41 \times Zn (\%)$ , where: silver price is \$23.5/oz and recovery is 95%, gold price is \$1964/oz and recovery is 90%, lead price is \$0.95/lb and recovery is 87.6% and zinc price is \$1.39/lb and recovery is 92.3%.
7. In the Company's opinion, the silver, gold, zinc, lead included in the metal equivalent calculations have a reasonable potential to be recovered and sold.

**Table 4: Joaquin Project – Historical Foreign Estimate as of February 2013**

Resource Category	Tonnes (Mt)	Ag (gpt)	Au (gpt)	Ag (Moz)	Au (Koz)	AgEq (gpt)	AgEq (Moz)
M&I	15.7	128	0.12	65.2	61.1	138	70.1
Inferred	1	100	0.12	3.1	3.7	110	3.3
<b>Total</b>	<b>16.7</b>	<b>126</b>	<b>0.12</b>	<b>68.3</b>	<b>64.2</b>	<b>136</b>	<b>73.4</b>

The estimates of mineralisation in respect of the Joaquin Project included in this announcement are foreign estimates and are not reported in accordance with the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves (2012 JORC Code) and is a "Foreign Estimate". A Competent Person has not yet done sufficient work to classify the Foreign Estimate as Mineral Resources or Ore Reserves in accordance with the 2012 JORC Code. It is uncertain that following evaluation and/or further exploration work that the Foreign Estimates will be able to be reported as mineral resources or ore reserves in accordance with the JORC Code 2012.

**Table 5: Joaquin Project – Historical Production 2019 to 2022**

Resource Category	Tonnes (Mt)	Ag (gpt)	Au (gpt)	Ag (Moz)	Au (Koz)	AgEq (gpt)	AgEq (Moz)
Depletion	0.33	410	0.14	4.3	1.5	421	4.5
<b>Total</b>	<b>0.33</b>	<b>410</b>	<b>0.14</b>	<b>4.3</b>	<b>1.5</b>	<b>421</b>	<b>4.5</b>

Historical production figures from Pan American Silver Corp. internal reconciliation reports

**THIS ANNOUNCEMENT IS AUTHORISED FOR RELEASE TO THE MARKET BY THE BOARD OF DIRECTORS OF UNICO SILVER LIMITED**



## CONTACT

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## COMPETENT PERSON'S STATEMENT

### Exploration Results

Information in this report that relates to Exploration Results and Targets is based on, and fairly reflects, information compiled by Unico Silver Limited and Todd Williams, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr. Williams is the Managing Director to Unico Silver Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Williams consents to the inclusion of the data in the form and context in which it appears.

### Cerro Leon

Information in this announcement that relates to the estimate of Mineral Resource for the Cerro Leon Project (geological interpretation and resource estimates) is based upon, and fairly represents, information and supporting documentation compiled by Mr. Ian Taylor BSc (Hons). Mr Taylor is an employee of Mining Associates Pty Ltd and has acted as an independent consultant on Unico Silver's Cerro Leon Project, located in the Santa Cruz province of Argentina. Mr Taylor is a Fellow and certified Professional of the Australian Institute of Mining and Metallurgy (110090) and has sufficient experience with the style of mineralisation, the deposit type under consideration and to the activity being undertaken to quantify as a Competent Person as defined in the 2012 Edition of the "Australasian Code For Reporting of Exploration Results, Mineral resources and Ore Reserves" (The JORC Code). Mr Taylor consents to the inclusion in this announcement of the matters based upon this information in the form and context in which it appears.

### Joaquin

The information in this announcement relating to Mineral Resources estimates for Joaquin is based on the technical report titled "Joaquin Project, Santa Cruz, Argentina, Technical Report" with an effective date of 15 February 2013 which was prepared in accordance with NI 43-101 and is available on [www.sedarplus.ca](http://www.sedarplus.ca). The technical information for the Joaquin mineral resource has been prepared by NCL Ingenieria y Construction Ltda. in accordance with Canadian regulatory requirements set out in NI 43-101. Luis Oviedo H is the Independent Qualified Person responsible for the preparation of the Report, as defined in CIM Code and the NI 43-101. In his 37 years of industry experience Mr. Oviedo accumulated relevant expertise in the exploration and evaluation of silver deposits of similar geology as Joaquin project. The author visited the property from 17 to 21 January 2012.

## FORWARD LOOKING STATEMENT

Certain statements in this announcement constitute "forward-looking statements" or "forward looking information" within the meaning of applicable securities laws. Such statements involve known and unknown risks, uncertainties and other factors, which may cause actual results, performance or achievements of the Company, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as "may", "would", "could", "will", "intend", "expect", "believe", "plan", "anticipate", "estimate", "scheduled", "forecast", "predict" and other similar terminology, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. These statements reflect the Company's current expectations regarding future events, performance and results, and speak only as of the date of this announcement. All such forward-looking information and statements are based on certain assumptions and analyses made by USL's management in light of their experience and perception of historical trends, current conditions and expected future developments, as well as other factors management believe are appropriate in the circumstances.





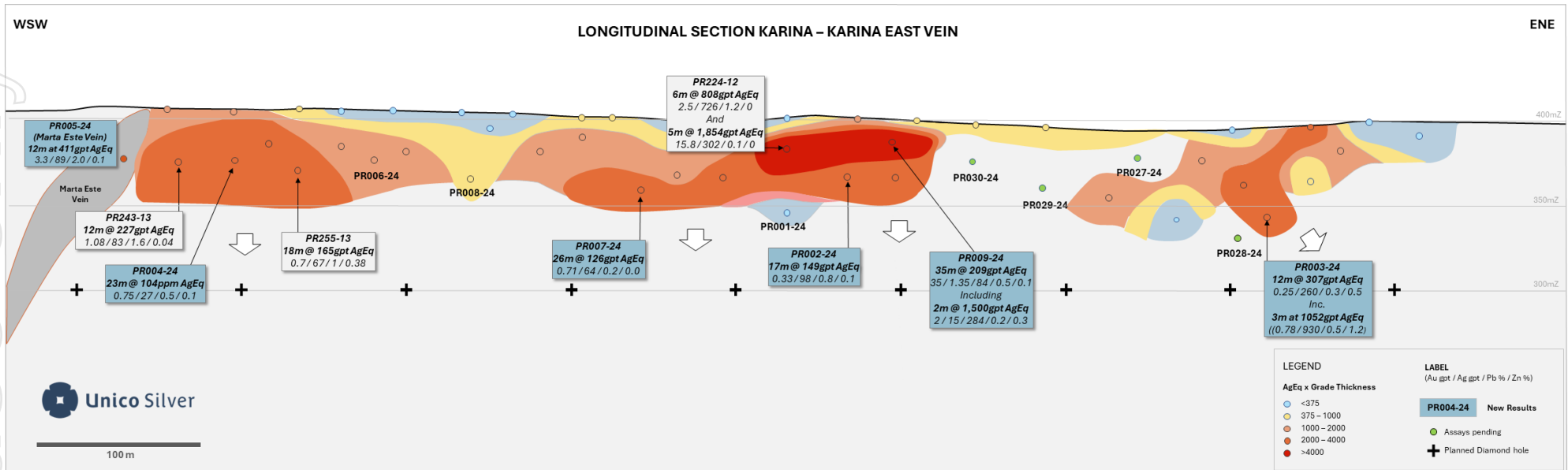


Figure 4: Karina long section and recent drill results



# JORC Code Reporting Criteria

## SECTION 1 SAMPLING TECHNIQUES AND DATA

	JORC Code Explanation	Comments
<b>SAMPLING TECHNIQUES</b>	<ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as 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 representativity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralization that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. "RC 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 (e.g. submarine nodules) may warrant disclosure of detailed information</li> </ul>	<p><b>Pingüino Rock chip Sampling</b></p> <ul style="list-style-type: none"> <li>Approximately 310 selective rock chip samples collected using a hammer in vein outcrop, gossans and float material within the project area. Since 2023, samples are collected by geologists in labelled plastic bags. The sample information (mineralisation, thickness, type of sample, mineralisation style, mineralogy, alteration, coordinates, geometry, etc) is compiled in a spreadsheet.</li> <li>Rock chip samples collected are selective chips, continue channel chips, or representative chips, depending on the nature of the material of interest sampled. Rock chip samples were submitted to Alex Stewart Laboratory in Perito Moreno for Au and Ag analysis. Pulps are shipment from the Laboratory in Perito Moreno to the Alex Stewart installations in Mendoza, for ICP-39 elements analysis.</li> <li>The sample location is marked in the field using flagging and aluminium labels. Rock chip samples are not used for resources estimates.</li> </ul> <p><b>Pingüino Soil Sampling</b></p> <ul style="list-style-type: none"> <li>Soil samples were collected by Argentex on a grid spacing of 100m by 25m-50m and were submitted for multi-element analysis.</li> <li>Samples were collected by manually digging to ~0.4m depth to bedrock with a shovel or mattock, with the fines then being collected in Kraft paper bags.</li> <li>Sample sites were marked with flagging, and a picket with an aluminium tag.</li> <li>Samples were used to guide exploration and were not included in the resource modelling. Organic and coarse material was avoided and not included in samples.</li> </ul> <p><b>Pingüino Trenching and Channel Sampling</b></p> <ul style="list-style-type: none"> <li>Trenches were marked by a geologist based mainly on the continuity of mineralisation and available outcrop, and then excavated with a backhoe to a width of approximately 80cm.</li> </ul>

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	JORC Code Explanation	Comments
		<ul style="list-style-type: none"> <li>• Two parallel cuts are made along the length of the intended sample using a powered saw to a depth of approximately 3-4cm.</li> <li>• Two workers worked from opposite ends of the sample interval to chisel the rock and place the pieces into a sample bag, which was then labelled and sealed.</li> <li>• Some minor loss of fines occurred during this sampling.</li> <li>• Power saws were used to cut continuous channels along the marks made by the geologist.</li> <li>• Samples were bagged, marked with the correlative number and then sealed to be sent for assaying.</li> <li>• Trenches are fully surveyed to get their final coordinates and elevation with DGPS.</li> </ul> <p><b>Pingüino Diamond Drilling</b></p> <ul style="list-style-type: none"> <li>• Drilling carried out using HQ (63.5mm) diameter drill bits. For mineralised zones HQ3 size was used.</li> <li>• Drillholes were orientated to intersect mineralisation as close to perpendicular as possible.</li> <li>• Drill core was placed in wood trays and meterage blocks were inserted at the end of each run. This was reviewed by a geologist.</li> <li>• Core was measured for recovery and RQD, the geologist logged the core and marked sample intervals, with the sample cut plan marked as normal to the structural trend.</li> <li>• Each sample was then 'half-cored', with one half going into sample bags for each interval. The remaining half of the sawn core was returned to the original box and retained for archival purposes.</li> <li>• These sample bags were stored in a closed room at the camp until they were sent to the lab in rice bags sealed with tamper-proof closure straps.</li> <li>• Core was logged and sampled on site at the Company's logging facilities by employees trained by the company.</li> <li>• The core is cleaned, realigned and pieced back together before being measured for recovery and RQD information. RQD measurements have not identified any effects on sample quality.</li> </ul> <p><b>Pingüino RC Drilling</b></p> <ul style="list-style-type: none"> <li>• For dry holes a cyclone was used, with the output collected in bags before being passed through a riffle splitter.</li> </ul>



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	JORC Code Explanation	Comments
		<ul style="list-style-type: none"> <li>• During 2011 a single-tier splitter was used with two passes reducing the sample to approximately one quarter of the original material. During the 2012 drilling a two-tiered riffle splitter was used to achieve the reduction to one quarter.</li> <li>• Using a two-tiered splitter both the primary and the backup sample came from the same half of the initial 50% split. This backup sample became the duplicate, which was submitted when needed.</li> <li>• RC holes were drilled mostly dry, the splitter was changed when the holes started to hit water in 2011, and was removed when the water was intersected, with the entire samples being collected in porous bags to be split when dry. In 2012 the wet material went from the cyclone into a rotating splitter which was set up to give a 50%, 25% and 25% splits, with the two smaller splits being the primary and back up samples. During 2024, the dry samples were splitter using the riffle splitter. Wet samples are dryer and splitter using riffle splitter which was set up to give a 50%, 25% and 25% splits labeled as reject, samples and duplicate.</li> <li>• For dry RC drilling a scoop of material was taken from the backup sample for geological logging, and for wet samples some material was screened then washed, dried and then logged.</li> <li>• Sample interval is defined by geologists based on geological observations.</li> </ul> <p><b>Controls for Drilling</b></p> <ul style="list-style-type: none"> <li>• For drilling in 2004-2009 Argentex inserted a blank after every 20 drill-core samples</li> <li>• For drilling from November 2007 to June 2008 149 field duplicate core samples, 212 pulp duplicates, and 374 blank samples were used from QA/QC. In addition, Acme (the laboratory) inserted a series of in-house standards into the sample runs.</li> <li>• For drilling from December 2009 to July 2010 353 pulps, and 135 blanks were submitted.</li> <li>• For drilling in 2011, 407 blank samples and 1,102 analytical duplicates were submitted.</li> <li>• For drilling in 2012, 125 blanks, 95 field duplicates and 26 ‘prepared standards’ were submitted.</li> <li>• For drilling in 2013, 53 blanks, 52 field duplicates, 61 pulp and 34 CRM checks completed at a second lab, and three certified standards were submitted.</li> <li>• For drilling from 2005 – 2013 a total of 1114 Blanks, 283 Duplicated and 122 Standards were inserted.</li> </ul> <p>For drilling campaign during 2024 (RC) were inserted 8 controls per 100 samples.</p>



	JORC Code Explanation	Comments
<b>DRILLING TECHNIQUES</b>	<ul style="list-style-type: none"> <li>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).</li> </ul>	<ul style="list-style-type: none"> <li>Alex Stewart Laboratory was selected to provide the geochemical analysis from rock chip and drilling samples.</li> </ul> <p><b>Pingüino RC Drilling</b></p> <ul style="list-style-type: none"> <li>The reverse circulation percussion (RC) method used in this program used a 5.25" (13.3cm) face sampling bit</li> </ul> <p><b>Pingüino Diamond Drilling</b></p> <ul style="list-style-type: none"> <li>The diamond drilling has a HQ diameter and HQ3 diameter for mineralized zones.</li> </ul> <p><b>Pingüino combined RC-Diamond Drilling</b></p> <ul style="list-style-type: none"> <li>Four combined drill holes (RC pre collar and DDH tail) *P162-08, P163-08, P164-08 and P165-08</li> <li>Drill holes (RC and DDH) were surveyed with different technics as such Tropicary, Sperry Sun, acid test, Reflex E-trex, Reflex Gyro. 126 holes surveys were defined as Interpolated/Extrapolated.</li> <li>During 2024 reverse circulation percussion (RC) method was applied using a drill rig TAMROCK DRILTECH D40Kx during day shift.</li> <li>Deviation of the hole was surveyed using MW GYRO Instrument. The instrument was provided and handled by drilling contractor representative.</li> </ul>
<b>DRILL SAMPLE RECOVERY</b>	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <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>	<p><b>Pingüino RC Drilling</b></p> <ul style="list-style-type: none"> <li>Sample recovery was monitored constantly on site by a Unico Silver representative. Samples are weighing beside the drill rig if the samples were dry, if the samples were wet the geologist would wait till the samples were dry before weighing. Additionally, the operations are controlled and the chip samples are collected by technical staff and / or geologists of Unico Silver. Logging and sampling interval is defined by geologists.</li> <li>Drill rig is oriented in azimuth and dip by Unico Silver geologists.</li> <li>Weights of the 2012 RC drilling were analysed by MDA which identified an average of 88% recovery, which when the low recoveries at the top of the hole were removed, the recovery was higher.</li> <li>During 2024 the methodology for RC sampling is the same that applied historically. The recovery average is ~90%, considering that a 33Kg of material represent 100% of recovery.</li> </ul>

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	JORC Code Explanation	Comments
		<ul style="list-style-type: none"> <li>The samples are collected in 1 metre interval from surface to end of hole.</li> </ul> <p><b>Pingüino Diamond Drilling</b></p> <ul style="list-style-type: none"> <li>Diamond drill core recoveries were assessed using the standard industry best practice which involves:               <ul style="list-style-type: none"> <li>Measuring core lengths with a tape measure.</li> <li>Removing the core from the split inner tube and placing it carefully in the core box.</li> <li>Assessing recovery against core block depth measurements.</li> <li>Measuring RQD, recording any measured core loss for each core run.</li> </ul> </li> <li>All core was carefully placed in HQ sized core boxes and transported a short distance to a core processing area where logging and photography could be completed.</li> </ul>
<b>LOGGING</b>	<ul style="list-style-type: none"> <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>	<p><b>Pingüino Logging</b></p> <ul style="list-style-type: none"> <li>Systematic geological logging was undertaken using a hand lens and electronic lens to closely examine the chips and cores. Data collected includes:               <ul style="list-style-type: none"> <li>Host rock lithologies and determination of formational units</li> <li>Relationship between lithologies.</li> <li>Alteration extent, nature, and intensity.</li> <li>Oxidation extent, mineralogy, and intensity.</li> <li>Sulphide types and visually estimated percentage.</li> <li>Quartz vein, veinlets, breccia types and visually estimated percentage.</li> <li>Structure's occurrence and attitude.</li> </ul> </li> <li>Both qualitative and quantitative data is collected, though quantitative data is based on visual estimates, as described above.</li> <li>All holes are logged from start to finish and were conducted on drill site. During 2024 the RC holes were logged in 1 metre interval, hole complete.</li> </ul>



	JORC Code Explanation	Comments
		<ul style="list-style-type: none"> <li>Both qualitative and quantitative data is collected, using predefined logging codes for lithological, mineralogical, and physical characteristics.</li> <li>Cores and rock chips are photographed after logging, with sample marked in the boxes.</li> <li>Cores are photographed after logging, with sample numbers marked in the boxes, before and after being cut and sampled.</li> </ul>
<b>SUBSAMPLING TECHNIQUES AND SAMPLE PREPARATION</b>	<ul style="list-style-type: none"> <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 subsampling 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>	<p><b>Pingüino RC Drilling</b></p> <ul style="list-style-type: none"> <li>Sample recovery was monitored by weighing sample bags on scales beside the drill rig if the samples were dry, if the samples were wet the geologist would wait till the samples were dry before weighing.</li> <li>Weights of the 2012 RC drilling were analysed by MDA which identified an average of 88% recovery, which when the low recoveries at the top of the hole were removed, the recovery was higher.</li> <li>During the 2024 the recovery was ~90%. Sample material recovery from the drilling is collected each 1 metre and homogenized and splitter using riffled, obtained two samples of 50% material each one.</li> <li>The riffle splitter was cleaned with compressed air between samples to prevent sample contamination.</li> <li>Samples are processed in two stages: first the 100% of the sample material es splitting to obtain two samples (50% each one). Second step is about to splitting one of the samples, in order to obtain two 25%, samples.</li> <li>Total of samples: 3 bags, one of 50% material (called "reject"), and two additional samples (25% each one) called original sample and duplicate.</li> <li>Original samples are submitted to the laboratory. Duplicate is shipment to the laboratory to QAQC control and "reject" is preserved as backup. The bags are weighting in order to ensure the correct distribution of material in reject, original and duplicate samples.</li> <li>Samples are preserved in a shed, in big bags labelled. Big bags and the samples contained are registered in photos and in specific spreadsheet.</li> <li>After the reception of analysis, the pulps and reject material from the laboratory is received. Pulps are stored in core shake. sample bags derived from the initial RC rig cyclone and riffle splitting reach a weight of 5 – 7 Kg, to ensure the representativity of the sample.</li> <li>Samples are transported by an exclusive transport from camp to laboratory Alex Stewart, located in Perito</li> </ul>

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	JORC Code Explanation	Comments
		<p>Moreno City.</p> <ul style="list-style-type: none"> <li>Laboratory confirm the correct reception of bags immediately are received and then the laboratory store the samples in specific facilities, previous to be analysed.</li> <li>Samples are analysed under P5-P15 routine, Au4-50+Ag4-50 and ICP-MA39 in Alex Stewart Laboratory facilities.</li> </ul> <p><b>Pingüino Diamond Drilling</b></p> <ul style="list-style-type: none"> <li>Diamond drill core recoveries were assessed using the standard industry best practice which involves:</li> <li>Measuring core lengths with a tape measure.</li> <li>Removing the core from the split inner tube and placing it carefully in the core box.</li> <li>Assessing recovery against core block depth measurements.</li> <li>Measuring RQD, recording any measured core loss for each core run.</li> <li>All core was carefully placed in HQ sized core boxes and transported a short distance to a core processing area were logging and photography could be completed by geologists.</li> </ul> <p><b>Pingüino Trenching and Channel Sampling</b></p> <ul style="list-style-type: none"> <li>Trenches were opened by hand shovelling and re-sampled using a portable diamond saw.</li> <li>Each sampled trench was cut by two parallel cuts approximately 10cm apart and 3 to 4 cm deep.</li> <li>Samples were collected with a hammer and chisel, and analysed for Au and Ag plus 36-element ICP</li> <li>Sample lengths were no greater than one meter and determined by geological units.</li> <li>One trench-sample duplicate was collected independently per trench.</li> <li>QAQC controls for trench samples are the same for drill holes, applying 9 internal controls (Including blanks, duplicate and CRM) per 100 samples and including laboratory QAQC.</li> <li>Four acid digest and ICP-MS is the most robust analytical method for full digestion and quantitative analyses of multi-element concentrations.</li> <li>Analysis of 39 elements, dissolution of 0.2g in 4 acids: hydrofluoric, perchloric, nitric and hydrochloric (total</li> </ul>

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	JORC Code Explanation	Comments																																		
		<p>digestion with partial loss by volatilization of As, Cr, Sb and Hg). Determination in ICP-OES.</p> <ul style="list-style-type: none"> <li>Certified Standard Reference materials and duplicate samples are inserted to assess the accuracy and reproducibility. The insertion of controls are details below:</li> </ul> <table border="1" data-bbox="1375 497 1671 804"> <thead> <tr> <th colspan="2">V2 QA/QC Reference</th> </tr> </thead> <tbody> <tr> <td>Muestra 1 a 19</td> <td></td> </tr> <tr> <td>Muestra 20</td> <td>Duplicado de 19</td> </tr> <tr> <td>Muestra 21 a 24</td> <td></td> </tr> <tr> <td>Muestra 25</td> <td>Standard</td> </tr> <tr> <td>Muestra 26 a 39</td> <td></td> </tr> <tr> <td>Muestra 40</td> <td>Duplicado de 39</td> </tr> <tr> <td>Muestra 41 a 49</td> <td></td> </tr> <tr> <td>Muestra 50</td> <td>Blanco</td> </tr> <tr> <td>Muestra 51 a 59</td> <td></td> </tr> <tr> <td>Muestra 60</td> <td>Duplicado de 59</td> </tr> <tr> <td>Muestra 61 a 74</td> <td></td> </tr> <tr> <td>Muestra 75</td> <td>Standard</td> </tr> <tr> <td>Muestra 76 a 79</td> <td></td> </tr> <tr> <td>Muestra 80</td> <td>Duplicado de 79</td> </tr> <tr> <td>Muestra 81 a 99</td> <td></td> </tr> <tr> <td>Muestra 100</td> <td>Blanco</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Assays are reported by the laboratory, as csv files and pdf certificates.</li> <li>No geophysical tools were used in the determination of the assay results. All assay results were generated by an independent third-party laboratory as described above.</li> <li>Certified reference material, blanks or duplicates were inserted at least every 25 samples. Standards are purchased from a Certified Reference material manufacture company – Ore Research and Exploration.</li> <li>Standards were purchased in foil lines packets of between 60g and 100g. Different reference materials were used to cover high grade, medium grade and low grader ranges of gold and silver. The standard names on the foil packages were erased before going into the pre-numbered sample bag and the standards are submitted to the lab blind.</li> </ul>	V2 QA/QC Reference		Muestra 1 a 19		Muestra 20	Duplicado de 19	Muestra 21 a 24		Muestra 25	Standard	Muestra 26 a 39		Muestra 40	Duplicado de 39	Muestra 41 a 49		Muestra 50	Blanco	Muestra 51 a 59		Muestra 60	Duplicado de 59	Muestra 61 a 74		Muestra 75	Standard	Muestra 76 a 79		Muestra 80	Duplicado de 79	Muestra 81 a 99		Muestra 100	Blanco
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<b>QUALITY OF ASSAY DATA AND LABORATORY TESTS</b>	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and</li> </ul>	<b>Pingüino assay data</b>																																		



	JORC Code Explanation	Comments
	<p>whether the technique is considered partial or total.</p> <ul style="list-style-type: none"> <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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>Independent verification sampling was undertaken by MDA in 2014 and by Mining Associates in 2023.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols are stored at the Pingüino core shed and offices on site. Digital forms are saved into a secure database.</li> <li>Argentex collected drill-hole collar and trench data with a normal GPS and then corrected the data with a differential GPS. The data were then entered into the database.</li> <li>Original survey data was collected in cartesian coordinates from the Gauss Krüger (Argentina 2) grid, located with the Campo Inchauspe datum.</li> <li>No geophysical tools were used in the determination of the assay results. All assay results were generated by an independent third-party laboratory as described above.</li> <li>Standards are purchased from a Certified Reference material manufacture company – Ore Research and Exploration.</li> <li>Standards were purchased in foil lines packets of between 60g and 100g. Different reference materials were used to cover high grade, medium grade and low grader ranges of gold and silver.</li> <li>The standard names on the foil packages were erased before going into the pre-numbered sample bag and the standards are submitted to the lab blind.</li> <li>In batches where all of the samples are from un-mineralised rock, if one standard fails and additional standards, blanks and duplicate data are all within limits, the batch is not rerun.</li> <li>Failure limit is three times the standard deviation.</li> <li>Results of standards were reviewed separately.</li> <li>Blanks are fresh basalt material collected from the field. Results and reviewed separately.</li> </ul>
<b>VERIFICATION OF SAMPLING AND ASSAYING</b>	<ul style="list-style-type: none"> <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> </ul>	<p><b>Pingüino Sampling and Assaying</b></p> <ul style="list-style-type: none"> <li>Independent verification sampling was undertaken by MDA in 2014 and by Mining associates In 2022.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols are stored at the Pingüino core shed and offices on site. Digital forms are saved into a secure database.</li> <li>PR001-11 showed likely down hole contamination, only the top 6 m of mineralisation were used to inform the location and grade tenor of the lode.</li> <li>Trench samples logged as chip samples were not used in the estimation of the resource 2023.</li> </ul>



	JORC Code Explanation	Comments
	<ul style="list-style-type: none"> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>MDA undertook an extensive database audit in 2014. See NI43-101 Updated Technical Report on the Pingüino Project Santa Cruz Province, Argentina.</li> <li>Mining Associates undertook an extensive database audit and compilation during 2023 as part of the Cerro Leon MRE</li> </ul>
<b>LOCATION OF DATA POINTS</b>	<ul style="list-style-type: none"> <li>Accuracy and quality of surveys used to locate drillholes (collar and downhole 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>	<p><b>Pingüino location of data</b></p> <ul style="list-style-type: none"> <li>Argentex collected drill-hole collar and trench data with a normal GPS and then corrected the data with a differential GPS. The data were then entered into the database.</li> <li>Approximately 100 collar locations should be surveyed by a professional topographic surveyor to audit the collar table.</li> <li>Original survey data was collected in cartesian coordinates from the Gauss Krüger (Argentina 2) grid, located with the Campo Inchauspe datum.</li> <li>During 2022-2024 the data was collected in WGS84 UTM Zone19Sur. The drill hole collar are positioned using portable GPS Garmin Etrex and checked with GPS installed in Blackview device.</li> <li>Global Mapper v22.0 and QGIS software was used to transform the drillhole collar coordinates from Gauss Kruger (Argentina 2) Zone 2 to UTM WGS84 Zone 19S.</li> <li>The topography derived from hi-res satellite photogrammetry (worldview3), RLs were in good agreement with DGPS collar RLs (commonly within a 1 m)</li> <li>During the site visit MA picked up several drill collars at Tranquillo and Marta Centro with a handheld GPS, collar locations were within the expected accuracy of a handheld GPS.</li> </ul>
<b>DATA SPACING AND DISTRIBUTION</b>	<ul style="list-style-type: none"> <li>Data spacing for reporting of 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> </ul>	<p><b>Pingüino data distribution</b></p> <ul style="list-style-type: none"> <li>Argentex RC and diamond drilling programs at the Pingüino were conducted at variable spacing as dictated by existing drilling and the aims of the program to provide continuity with the previous drill coverage. The spacings are considered appropriate for the reporting of exploration results.</li> <li>On section, drill spacing generally ranges from 20-40m, increasing to 80 metres or more, with most of the drilling on section and perpendicular to strike. The resource has been drilled to a maximum depth of 360 metres below surface and is not closed off down dip.</li> </ul>



	JORC Code Explanation	Comments
	<ul style="list-style-type: none"> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>All samples are primary split samples, no sample compositing as occurred in the field.</li> </ul>
<b>ORIENTATION OF DATA IN RELATION TO GEOLOGICAL STRUCTURE</b>	<ul style="list-style-type: none"> <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>	<p><b>Pingüino data orientation</b></p> <ul style="list-style-type: none"> <li>The RC and diamond drill programs were orientated to optimally test predicted mineralised structures and stratigraphic positions to provide were possible unbiased samples.</li> <li>Historic holes have been drilled at several orientations, and the orientation of relevant mineralization-hosting geological structures varies considerably.</li> <li>Drill sections are orientated perpendicular to the structures and varies locally quite considerably. Drill sections are commonly orientated perpendicular to the main mineralised lodes.</li> <li>The majority of drillholes used to define the steeply south west dipping primary mineralisation are drilled towards the north east at -45 to -60 degrees. A few of the initial exploration drillholes have been drilled oblique to the strike of mineralisation.</li> <li>Soil grids, channel samples, trenches samples are orientated perpendicular of the main trends. Also, geophysics grids with exception of ground magnetic that was surveyed in WE lines.</li> </ul>
<b>SAMPLE SECURITY</b>	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<p><b>Pingüino sample security</b></p> <ul style="list-style-type: none"> <li>Historically, Argentex conduct the analysis of the samples were either driven to San Julian (200 km), or to Pico Tuncado (230km) or Caleta Olivia (over 250 km) and from these company owned depots were transported by to Acme's laboratory in Mendoza or ASI international Laboratory.</li> <li>Samples were placed into taped polyethylene bags with sample numbers that provided no specific information on the location of the samples.</li> <li>During 2024 The samples bags were shipped by truck from camp to Laboratory in Perito Moreno. For samples analysed under ICP-39 elements analysis the pulps are shipped to the Alex Stewart laboratory in Mendoza from the Alex Stewart Laboratory of Perito Moreno city.</li> <li>The QA/QC protocols including blanks, standards and duplicates were included in these shipped samples.</li> </ul>
<b>AUDITS OR REVIEWS</b>	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<p><b>Pingüino audits</b></p> <p>Mineral Development Associates (MDA) completed a detailed Audit of all additional data collected between 2012 and 2014, MA notes no new data has been collected since 2014.</p>

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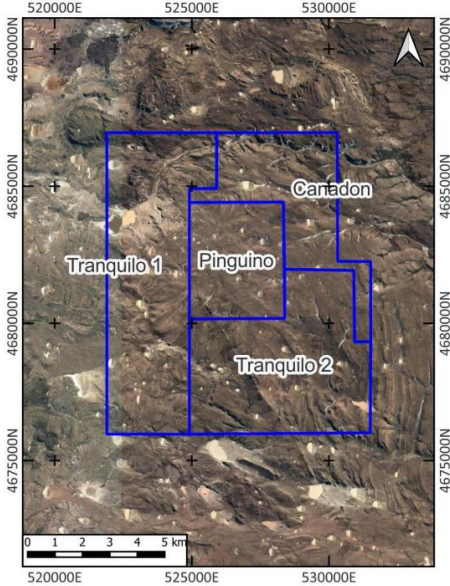


	JORC Code Explanation	Comments
		During 2023 Mining Associates (MA) completed a detailed audit of historical Information, Including visit at the project, reviewing cores, trenches, etc.

**SECTION 2 REPORTING OF EXPLORATION**

Criteria	JORC Code Explanation	Comment										
<b>MINERAL TENEMENT AND LAND TENURE STATUS</b>	<ul style="list-style-type: none"> <li>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.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.</li> </ul>	Unico Silver has 100% ownership in the following exploration titles that make up the Pinguino project: <table border="1" data-bbox="981 699 1547 903"> <thead> <tr> <th>Tenure</th> <th>Title ID</th> </tr> </thead> <tbody> <tr> <td>Cañadon, Argentina</td> <td>405.336/SCRN/2005</td> </tr> <tr> <td>Linguino, Argentina</td> <td>414.409/CID/2000</td> </tr> <tr> <td>Tranquilo I, Argentina</td> <td>405.334/SCRN/2005</td> </tr> <tr> <td>Tranquilo II, Argentina</td> <td>405.335/SCRN/2005</td> </tr> </tbody> </table>	Tenure	Title ID	Cañadon, Argentina	405.336/SCRN/2005	Linguino, Argentina	414.409/CID/2000	Tranquilo I, Argentina	405.334/SCRN/2005	Tranquilo II, Argentina	405.335/SCRN/2005
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Tranquilo II, Argentina	405.335/SCRN/2005											



Criteria	JORC Code Explanation	Comment
		
<b>EXPLORATION DONE BY OTHER PARTIES</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<p><b>Pinguino exploration history</b></p> <ul style="list-style-type: none"> <li>Exploration by Mincorp under the project name “Cerro Leon” Cerro Leon Trenching</li> <li>168 trenches were cut which were all less than 30m in length, covering 10 veins with 40m between trenches on individual veins (Tranquilo, Marta Sur, Ivonne Sur, Ivonne, Sonia, Marta Centro, Marta Este, Marta Oeste, Marta Noroeste, and Marta Norte). Cerro Leon Drilling</li> <li>17 HQ core holes drilled for a total of approximately 1,000 m.</li> <li>Exploration by Argentex, project renamed to Pinguino. Pinguino</li> <li>Soil Sampling 156 line-kilometer grid, with lines spaced 100m apart and samples taken every 50m (2004).</li> <li>Infill sampling was later completed on 25m spacing (2005).</li> </ul>

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Criteria	JORC Code Explanation	Comment
		<ul style="list-style-type: none"> <li>• The number of soil samples collected in 2004-2005 range from 3,625 to 3,935.</li> <li>• Samples were analyzed for 36 elements by ICP.</li> <li>• Further sampling was completed in 2009 to 2011 with 3,291 samples collected and analysed for Ag, As, Au, Cd, Pb, Sb, W and Zn.</li> <li>• 1,123 samples were collected in 2009 and analyzed for multiple elements. Pingüino Trenching and Channel Sampling</li> <li>• In 2004 Argentex re-mapped and re-sampled outcrops and 42 trenches previously excavated by Mincorp. •</li> <li>• Trenches were opened by hand shoveling and re-sampled using a portable diamond saw.</li> <li>• Each sampled trench was cut by two parallel cuts approximately 10cm apart and 3 to 4 cm deep.</li> <li>• Samples were collected with a hammer and chisel, and analyzed for Au and Ag plus 36-element ICP. Sample lengths were not greater than one meter and determined by geological units.</li> <li>• Trenches to be sampled were placed near existing Mincorp drill-hole collars</li> <li>• One trench-sample duplicate was collected independently per trench.</li> <li>• In 2004, between 114 and 186 further trenches were cut by Argentex in 2004 to test soil geochemical anomalies.</li> <li>• Trenches were hand dug or with an excavator and totaled 2,579m.</li> <li>• In 2006, 17 channel trenches were completed, and in 2007, extensions were made on 13 Marta Centro trenches previously completed by Mincorp and by Argentex in 2004 and were sampled and analyzed, including for indium. 20 new trenches were completed based on IP chargeability anomalies and gossan zones, resulting in the discovery of 6 new polymetallic veins.</li> <li>• In 2009-2010 and 2010-2011 247 trenches were completed totaling 14,638m, and in 2011-2012 186 trenches were completed totaling 21,901m. A further 122 trenches totaling 6,453 were also later completed.</li> <li>• The database of Argentex's trenches used for the resource estimation includes information on 882 trenches totaling 49,878m. Pingüino Drilling.</li> <li>• The drill-hole database used for the resource estimation is composed of the 735 holes drilled by Argentex.</li> <li>• The 17 drill-holes completed by Mincorp were not available to Argentex and MDA and were not included in the database.</li> <li>• Drillholes were orientated to intersect mineralisation as close to perpendicular as possible. Pingüino</li> </ul>

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Criteria	JORC Code Explanation	Comment
		<p>Geophysics.</p> <ul style="list-style-type: none"> <li>• Geophysical surveying begun in 2004 with a 3D-array induced polarization (“IP”) survey and a ground magnetometer survey. The IP survey covered 39.5 line-kilometres with a 100m line spacing. The survey was conducted in May 2004 by SJ Geophysics Ltd. of Delta, British Columbia. In 2006-2007, the IP survey was extended with a two-dimensional dipole-dipole survey. The Instituto de Recursos Minerales conducted 48.9 line kilometres of IP/resistivity surveying. The March-April 2007 survey covered the northern part of Marta Norte vein and on El Tranquilo fault. The deep IP survey consisted of five lines, each 2.5km long, in the central part of the project area. The detailed IP lines were measured on a 12.5m dipole spacing that highlighted details but only read up to 150m below the surface. Akubra’s 3D IP survey was conducted around the intersection of the Marta Centro-Ivonne Norte vein system with Marta Este and Marte Oeste veins. The gradient-array IP along a total of 20 were surveyed.</li> <li>• The 2004 ground magnetometer survey covered 114 line kilometres and was performed by Argentex personnel. Measurements were taken at 25m stations on lines spaced 100m apart. In September-October 2007, a ground magnetic survey was conducted over part of the property (Instituto de Recursos Minerales, 2007d). The survey consisted of 29 north-trending lines spaced 100m apart with 10m spacing for stations; the lines were each about 2,000m long, and the survey totalize 60,595 line metres. A Scintrex ENVI Mag proton magnetometer was used for this survey. Akubra and Argentex (equipment and personnel) completed a number of ground magnetometer surveys in 2010 and 2012. From May to July 2010, they undertook a regional magnetic survey consisting of 750 line kilometres on east-west lines spaced 100m apart. In addition, they completed a detailed survey that consisted of 52 east-west lines for a total of 329.1 line kilometres; line spacing was 10m (Akubra, 2010). From December 2010 to July 2011, Akubra-Argentex completed 2,610 line kilometres of detailed magnetic surveying on east-west lines spaced 10m apart. From November 2011 to June 2012, Akubra and Argentex completed an additional 3,579 line kilometres of detailed magnetic surveying, again on east-west lines spaced on 10m intervals. Akubra-Argentex used a GEM Systems GSM-19 Overhauser (with GPS) mobile magnetometer and a GEM Systems GSM-19 base magnetometer with proton sensor.</li> <li>• From 2014 to 2022 the property owned by ASX company Austral Gold Limited. Limited exploration works were completed.</li> <li>• Unico Silver acquired the Pinguino project from Austral Gold in March 2023. A revised MRE was reported May 2023.</li> </ul>
<b>GEOLOGY</b>	<ul style="list-style-type: none"> <li>• Deposit type, geological setting and style of</li> </ul>	<b>Santa Cruz Geology and Deposit Model</b>

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	mineralisation.	<p>Pingüino is located close to the centre of the large, relatively undeformed and stable Deseado Massif, which covers an area of approximately 100,000 square kilometres stretching across southern Argentina into the Chilean southern Andres. This massif is comprised of middle to late Jurassic andesitic-rhyolitic lavas, tuffs, and ignimbrites, overlying pre-Jurassic low-to-high-grade metamorphic basement rocks and younger continental sedimentary sequences. Mesozoic volcanic rocks are broken by regional fractures, including north-northwest-trending faults which were active during the period of intense Jurassic extension and volcanism. Successive normal faulting trends predominantly in a northwest and east-northeast orientation, however the Jurassic rocks are relatively undeformed.</p> <p>Pingüino is centred on a regional dome, with the oldest rocks being middle to upper Triassic continental sedimentary rocks of the El Tranquilo Group. Dioritic bodies and associated mafic sills and dikes intrude the Triassic rocks and are part of the Jurassic La Leona Formation. These units are overlain by the lower Jurassic epiclastic and volcanoclastic rocks of the Roca Blanca Formation (the most extensive rock unit in the Pingüino area). This sequence is overlain by the lower Jurassic basalt flows of the El Piche Formation and ultimately by the middle Jurassic andesitic porphyries and lava flows (correlated to the Cerro Leon and Bajo Pobre Formations).</p> <p>Mineralisation at Pingüino is hosted with in the Roca Blanca Formation and the El Tranquilo Group and occurs in multiple veins which are clustered into three principal orientations of 330°, 300° and 70°. These veins form a system measuring 14.5km long by 4km wide, with approximately 113km of mapped vein, breccias, gossans and stockworks strike length in more than 70 veins. Veins are often more than a meter wide and range in length from hundreds of meters to kilometres. Vein styles include Ag-Au quartz rich, Ag quartz-rich veins, Ag-In-Zn-Pb polymetallic veins, Au-In-Cu polymetallic veins and Ag-rich quartz veins with polymetallic vein clasts.</p>
<b>DRILL HOLE INFORMATION</b>	<ul style="list-style-type: none"> <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> <li>• Easting and northing of the drill hole collar</li> <li>• Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>• Dip and azimuth of the hole</li> </ul>	<ul style="list-style-type: none"> <li>• Significant intercepts and drill hole information is provided in Table 1 and 2.</li> <li>• Length corresponds to the interval surveyed along hole trace.</li> <li>• Coordinates a stated in Datum WGS 84, UTM zone 19S</li> </ul>

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	<ul style="list-style-type: none"> <li>Down hole length and interception depth</li> <li>Hole length</li> </ul> <p>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.</p>	
<b>DRILL AGGREGATION METHOD</b>	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Cerro Leon's reported silver equivalent (AgEq) is consistent with previous reports and is based on the following assumptions: <math>AgEq = Ag (g/t) + 79.18 \times Au (g/t) + 25.56 \times Pb (\%) + 39.41 \times Zn (\%)</math>, where: silver price is \$23.5/oz and recovery is 95%, gold price is \$1964/oz and recovery is 90%, lead price is \$0.95/lb and recovery is 87.6% and zinc price is \$1.39/lb and recovery is 92.3%.</li> <li>Mineralised drill hole intercepts are calculated using greater than 50gpt AgEq with no more than 3m of internal dilution.</li> </ul>
<b>DIAGRAMS</b>	<ul style="list-style-type: none"> <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> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>Drill holes with reported assays are shown in Figure 2.</li> </ul>



Criteria	JORC Code Explanation	Comment
	avoid misleading reporting of Exploration Results.	
<b>BALANCED REPORTING</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Where high grades are present, subset intervals are provided to demonstrate the influence of high grades on total metal budgets of stated drill hole intercepts.</li> <li>Qualification of true widths are provided in the drill hole discussion.</li> </ul>
<b>OTHER SUBSTANTIVE EXPLORATION DATA</b>	<ul style="list-style-type: none"> <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> </ul>	<ul style="list-style-type: none"> <li>Exploration at Karina is of an early stage and technical studies will commence once resource potential is established following deeper diamond drilling</li> </ul>
<b>FURTHER WORKS</b>	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> </ul>	<ul style="list-style-type: none"> <li>Drilling is ongoing and will be dynamic focused on maximizing the discovery of new veins, expanding the dimensions of known mineralised veins along strike and down dip, in addition to infill drilling to improve resource confidence.</li> </ul>

