



28 January 2022

# ANTILLES GOLD ESTABLISHES MAIDEN MINERAL RESOURCES FOR LA DEMAJAGUA GOLD/SILVER DEPOSIT, CUBA

Antilles Gold Limited (ASX Code: AAU, OTCQB: ANTMF) (the "Company" or "Antilles Gold") advises that Western Australian mining consultants, Cube Consulting, have established the Maiden Mineral Resource Estimate ("MRE") for the La Demajagua gold/silver deposit in Cuba, which is being assessed initially as an open pit operation in a joint venture with the Government's mining company, GeoMinera SA. The MRE has been prepared in line with the requirements of the 2012 JORC Code.

The Mineral Resource set out below was calculated from historic drilling, and assays received to date from cored drill holes across a portion of the currently defined strike length of the La Demajagua gold/silver deposit.

#### MINERAL RESOURCE STATEMENT FOR LA DEMAJAGUA PROJECT

Resource Category	Tonnes (Mt)	Au Grade (g/t)	Contained Au (koz)	Ag Grade (g/t)	Contained Ag (koz)
Indicated	4.67	3.27	490	40.50	6,080
Inferred	3.1	2.4	230	35.6	3,490
Total	7.7	2.9	720	38.6	9,570

#### Notes:

- Mineral Resources are reported at a block cut-off grade of 0.8 g/t Au
- The bulk density is 1.8 t/m³ for oxide material and 2.64 t/m³ for fresh
- Mineral Resources are reported inside of a US\$2,000/oz Au optimisation shell using applicable cost and recovery factors and have demonstrated reasonable prospects for eventual economic extraction
- Figures may not add up due to rounding

The Mineral Resource Estimate will be updated when assays are received in around two months from drill holes that have already been completed, and be finalised after results have been received in approximately four months from holes that are currently being drilled.

Mr Brian Johnson, Executive Chairman of Antilles Gold, said that the Indicated and Inferred Resources assessed to date of 720,000 oz Au from new and historic drilling, are expected to increase with additional results when the current drilling program has been completed.

Additional drilling to establish the viability of an underground operation proposed to follow any open pit mining will not be undertaken until 2027.

As soon as the preliminary metallurgical testwork on the La Demajagua mineralisation is completed by SGS, the financial analysis from the current Scoping Study for the open pit mine will be published. This is expected to occur in mid-February 2022.

**END** 

#### **Competent Person Statement**

The information in this report that relates to Exploration Results is based on information reviewed by Mr. Dale Schultz, a Competent Person who is a member of the Association of Professional Engineers and Geoscientists of Saskatchewan ("APEGS"), which is accepted for the purpose of reporting in accordance with ASX listing rules. Mr. Schultz is a Consultant to the Company and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Schultz consents to the inclusion of the Exploration Results based on the information and in the form and context in which it appears.

The information in this document that relates to Mineral Resources is based on information complied by Mr Daniel Saunders, a Competent Person who is a Member of Australasian Institute of Mining and Metallurgy. Mr Saunders is a full-time employee of Cube Consulting Pty Ltd, acting as independent consultants to Antilles Gold Inc. Mr Saunders has sufficient experience relevant to the style of mineralization and type of deposit under consideration, and to the activity being undertaken to qualify as a Competent Person as defined in 2012 Edition of the 'Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Saunders consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

#### **ABOUT ANTILLES GOLD LIMITED:**

Antilles Gold is focussed on organic growth through participation in the successive development of a number of gold and copper/gold deposits in mineral rich Cuba, and on realising the value of assets it holds in the Dominican Republic.

The Company is at the forefront of the emerging gold mining sector in Cuba and expects to be involved in the development of a series of projects through a 49:51 joint venture with the Cuban Government's mining company, GeoMinera SA.

The near-term project of the joint venture company, Minera La Victoria SA, is the proposed development of the La Demajagua gold/silver open pit mine on the Isle of Youth in southwest Cuba to produce high grade gold concentrate.

Minera La Victoria has access to a pipeline of potential development projects including the Golden Hills VMS, and the Florencia and Maclama sulphide gold deposits in south east Cuba, and 17 copper/gold deposits that are currently being reviewed for their prospectivity.

#### Refer website: www.antillesgold.net

This announcement has been authorised by the Board of Antilles Gold Limited.

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The following is a summary of material information used to estimate the Mineral Resource, as required by Listing Rule 5.8.1 and JORC 2012 Reporting Guidelines.

#### **Mineral Tenement and Land Tenure Status**

The La Demajagua Gold Project is located on the Isle of Youth in southwest Cuba. The La Demajagua concession #5655-0 is registered to Minera La Victoria SA, which is a 49:51 JV between Antilles Gold Inc (a 100% subsidiary of Antilles Gold Limited) and Gold Caribbean Mining SA, which is a subsidiary of the Cuban State owned mining company Geominera SA, and comprises an area 900ha (Figure 1). The licence is in good standing with no known impediments.

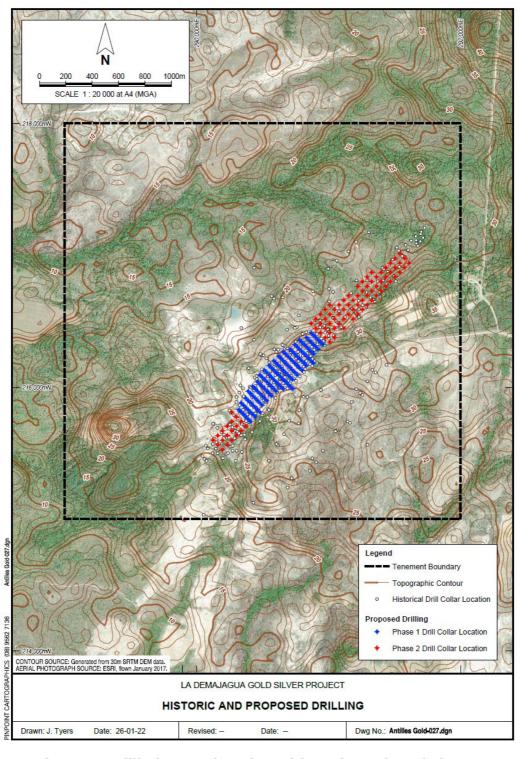


Figure 1: Drillhole Location Plan with Project Mineral Licence

In October 2018 Antilles Gold Inc (a 100% subsidiary of Antilles Gold Limited) was selected by the Cuban Government's mining company, GeoMinera S.A. ("GMSA"), as its proposed 49% joint venture partner for the development of GMSA's La Demajagua refractory gold/silver property on the Isle of Youth in Southwest Cuba.

The terms of a Joint Venture Agreement were subsequently negotiated and finalised in December 2019, with the Joint Venture company, Minera La Victoria SA ("MLV"), approved by the Council of Ministers, and registered on 14 August 2020.

Antilles Gold will contribute a total of US\$13.0 million of equity for its 49% shareholding in MLV over a two-year period from December 2020. Of this amount, approximately US\$7.0 million will be spent on the drilling program, feasibility studies, project management, and administration, with the balance on mine infrastructure when construction commences.

#### Geology

The La Demajagua Project displays the characteristics of a low sulphidation epithermal gold deposit. The geology of the deposit area is dominated by schistose units (quartz-graphite schists, quartz-sericite schists, and quartzites), rich in gold-bearing arsenopyrite, typically metamorphosed to greenschist facies.

The lithologies alternate between packages of graphite rich and relatively graphite poor, with package thickness of 20-200m, though increased graphite content occurs in almost all cases of fault brecciation, and so in turn mineralisation is almost always found with areas of elevated graphite content.

Alteration indicates low temperature formation and occurs as rare bleaching of rocks (only occurring in the vicinity of quartz veins over tens of cm in thickness), pervasive sericitisation, graphitisation, and silicification either as a saturation of the entire rock mass with silica or by the formation of a network of quartz veinlets.

Vein quartz is grey, white-grey or clear and is finely crystalline. Evidence of several episodes of remobilisation can be found in the quartz, and finely disseminated sulphides occur in all areas of silicification and partly outside. Hydrothermal flow is assumed to have been aided by hydraulic pumping from fault movement, with the average sulphide content in the order of 4-6% and increasing up to 15% in enriched areas.

The gold is refractory and primarily held within arsenopyrite and associated with boulangerite. Ore texture is disseminated, laminated, massive, brecciated or forms as a sulphide cement, while its structure is cataclastic, hypidomorphic, grainy or allotriomorphic.

The mineralisation strikes approximately 45 degrees and dips  $\sim$ 70 degrees towards the northwest. The main zone of identified mineralisation extends for  $\sim$ 2.2km along strike and extends from surface to  $\sim$ 400m down dip, though the thickness varies from 3-35m. The mineralisation within this zone is veiny, discontinuous and high grade, with lower grade disseminated mineralisation evident in the surrounding brecciated region. In addition to the main mineralised zone, additional hanging wall and footwall zones have been modelled over a portion of the mineralised zone.

#### **Drilling Techniques and Hole Spacing**

Drilling at the La Demajagua Project has been completed in various phases. Historical drilling was completed across five programs commencing in 1973, with the most recent completed in 1997, with approximately 50,000 metres completed. Historical drilling was primarily open hole prior to switching to diamond core for sampling within the mineralised zones. Additional details on historical drilling are limited and no historical core is available for review.

Current drilling used a HQ triple tube size (~61.1 mm diameter) with the triple tube techniques used to maximise core recovery. All diamond holes are drilled from surface and orientated towards the southeast at a dip of ~60 degrees to intersect the mineralisation as close to perpendicular as possible. Current drilling used to support the MRE includes 114 diamond core (DDH) holes for a total of 12,384 m. Drill core was collected from a core barrel and placed in appropriately marked core trays. Down hole core run depths were measured and marked with core blocks. Core was measured for core loss and core photography and geological logging completed.

Drilling is typically completed on a spacing of 50 m along strike and 25 m across strike, with current drilling aimed to broadly twin historical drilling to validate historical results and aid in improving estimation confidence. At the extensional limits of known mineralisation, the drill spacing extends to 50 m along strike by 50 m across strike (Figure 2).

#### Sampling

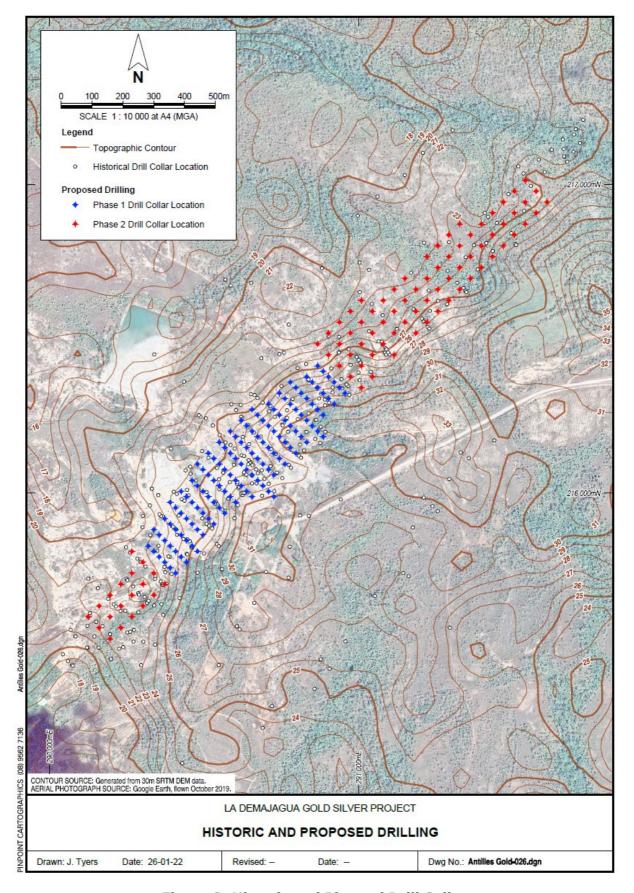
Sample lengths were determined by geological boundaries with a nominal sample length of 1 metre Core is cut using an electric saw with half core submitted for analysis. Certified reference materials (CRM), analytical blanks, and field duplicates were used as part of the QAQC procedures and were each inserted at a rate of 2, 1 and 2 per batch respectively.

Sample preparation and sub-sampling is completed at LACEMI in Havana to generate a 400 g sample following drying, crushing and splitting via Jones splitter for submission to the analytical laboratory in Canada. Details for historical sub-sampling methods are variably available, however most involve coarse crushing and homogenising via quartering to generate a suitable sample and duplicates for analysis.

#### **Sample Analysis**

Details relating to the analytical methods employed for the historic drilling are not available. Review of assay results suggests detection limits for Au and Ag in the earlier programs are relatively high compared to modern techniques and demonstrate limited precision in reported results. Detection limits for the more recent historical drilling are much improved and demonstrate higher precision reflecting what is assumed to be more appropriate analysis methods.

For the current drilling, the prepared coarse samples are dispatched to Activation Laboratories in Canada. The samples are pulverised to 95% passing 75µm prior to gold analysis by Fire Assay using a 30g charge, with ICP. Over range gold results are reassayed with a gravimetric finish. Geochemical analysis of a 35 element suite is via 4 acid digest with ICP-OES finish. Over range silver results are reassayed using Fire Assay with gravimetric finish. Both Fire Assay and 4 acid digest methods are considered a total analysis for the elements of interest.



**Figure 2: Historic and Planned Drill Collars** 

#### **Estimation Methodology**

The geological interpretation utilised historical mapping and level development data together with assay data to guide and control the Mineral Resource estimation. Leapfrog $^{\text{TM}}$  implicit modelling software was utilised to generate three-dimensional wireframes of the applicable mineralisation domains.

Drill hole sample data was flagged using domain codes generated from three-dimensional mineralisation domains. Sample data was composited to one-metre downhole lengths using a best fit-method. Statistical analysis was carried out on data from all estimated domains, with hard boundary techniques employed within each estimation domain. A subset estimation domain was generated within the footprint of the current drilling, within which only new results were used for estimation of mineralisation grades. Estimation outside this domain could see the data within it, however the vice versa was not permitted (i.e. one-way soft boundary).

Analysis of the composite data indicated the presence of outlier values indicating grade capping was required for Au and Ag. Capped values varied between 10 g/t and 40 g/t for Au and between 65 g/t and 450 g/t for Ag.

Grade estimation was completed for Au and Ag. The grade estimation process was completed using Maptek Vulcan software using Ordinary Kriging (OK) together with dynamic anisotropy to guide the grade interpolation parallel to the domain boundaries. For estimation domains with insufficient sample data a variogram model from a comparable domain was assigned.

Interpolation parameters were derived using standard exploratory data analysis techniques of statistical and continuity analysis. Appropriate interpolation strategies were developed on a domain basis using kriging neighbourhood analysis (KNA) with a minimum number of 6 composites and a maximum number of 14 composites, with an octant search applied with a restriction on the number of composites per octant set to four. Blocks were estimated in a two-pass strategy with first pass maximum search distances of 140 and 170 metres depending on estimation variable and domain. The second pass increased the search distance by a factor of two and removed the octant restrictions. A cross section looking northeast with estimated Au block grades is presented in Figure 3.

The model is rotated to  $045^{\circ}$  and has a block size of 10 m (X) by 20 m (Y) by 10 m (Z) with sub-celling of 2.5 m (X) by 5 m (Y) by 2.5 m (Z). Grades were estimated into the parent cells. The block model was validated using a combination of visual and statistical techniques including global statistics comparisons, correlation coefficients comparisons, and trend plots.

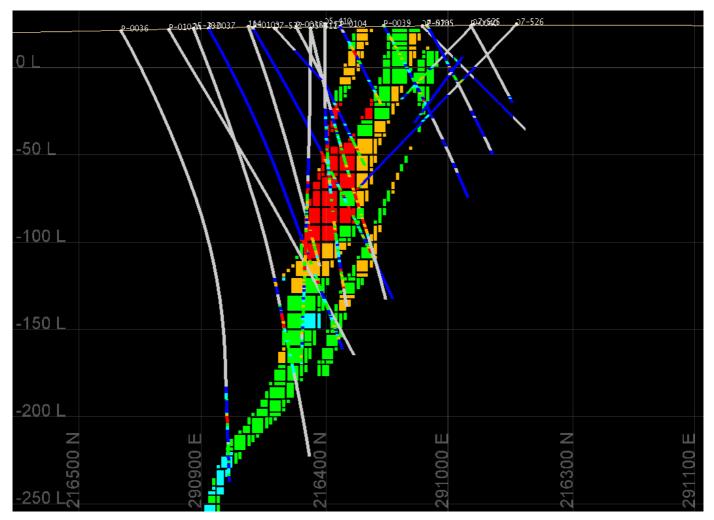


Figure 3 La Demajagua Project – Cross Section (looking northeast) with Au block grades

#### **Resource Classification**

A range of criteria was considered by Cube when addressing the suitability of the classification boundaries. These criteria include:

- Geological confidence and volume;
- Drill spacing and drill data quality;
- Modelling technique; and
- Estimation properties, including search strategy, number of informing composites, average distance of composites from blocks and kriging quality parameters.

Blocks have been classified in both the Indicated (60%) and Inferred (40%) categories, primarily based on drill data spacing in combination with other model estimate quality parameters. The Indicated Resource is constrained to the footprint of the current drilling.

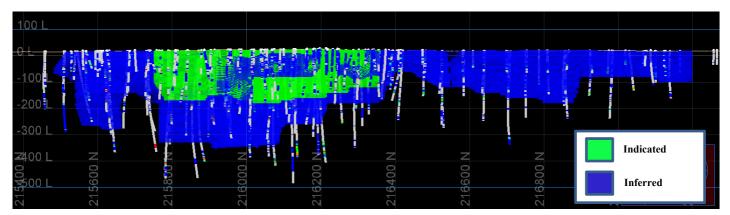


Figure 4: La Demajagua Project – Long Section looking Northwest showing Indicated and Inferred Resources

#### **Cut-off Grade**

The Mineral Resource has been reported above a 0.8 g/t Au cut-off. Selection of the cut-off has considered expected metallurgical recoveries and distribution of payable elements within the proposed concentrate product. Together with other cost inputs, an indicative marginal cut-off grade has been defined. The applied cut-off is considered appropriate for the style and nature of mineralisation at La Demajagua.

Reporting of Mineral Resources have been assessed against a resource limiting optimisation shell using appropriate cost, metallurgical recovery, and price assumptions. Material within the optimised pit shell has, in the opinion of the Competent Person, met the conditions for reporting of a Mineral Resource with reasonable prospects of economic extraction.

#### **Mining and Metallurgy**

Development of this Mineral Resource assumes mining using standard equipment and methods. The assumed mining method is conventional truck and shovel, open pit mining at an appropriate bench height.

Preliminary metallurgical test work on mineralisation at the Project (see ASX release on 27 January 2022) has reported the ability to generate a concentrate product from the La Demajagua project using flotation. These results are considered adequate to achieve reasonable expectations of economic metallurgical processing of the project mineralisation.

## **JORC Code, 2012 Edition – Table 1**

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

(	'Criteria	in	this	section	annly	to a	ll suc	ceedina	sections.)	)
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Sampling techniques	Nature and quality of sampling (eg cut channels, random chips, or	18 1 1 D 38 ( 2004)
	<ul> <li>specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required,</li> </ul>	<ul> <li>Historic Drilling (pre-2021)</li> <li>Historic drilling (pre-2021) was completed using open hole techniques prior to switching to diamond core at various sizes depending on hole depth, although typically HQ, prior to mineralised intervals.</li> <li>Sample intervals were variable based on geological features however the majority range from 1m to 2m in length</li> <li>Recent Drilling (2021 onwards)</li> <li>Recent drilling has been completed using diamond drilling at HQ core size. Samples are typically collected at 1m intervals although adjusted for geological features as required.</li> </ul>
Drilling techniques	<ul> <li>such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> <li>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).</li> </ul>	Historic Drilling (pre-2021)     Specific details on drilling techniques employed in historic programs is not available.  Recent Drilling (2021 onwards)
		$\bullet$ Recent drilling was completed exclusively using diamond drilling methods using HQ triple tube techniques (HQ3) with a core diameter of ${\sim}61\text{mm}.$
Drill sample recovery	<ul> <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</li> </ul>	<ul> <li>Historic Drilling (pre-2021)</li> <li>Detailed records on drill core recovery are not available. Review of selected hard copy logs suggest core recoveries in mineralised zones range from 17% to 93%, averaging approximately ~67%.</li> <li>Recent Drilling (2021 onwards)</li> </ul>

Criteria	JORC Code explanation	Commentary		
	loss/gain of fine/coarse material.	<ul> <li>Sample recovery is monitored by the Geologists and calculated per meter. Drilling is undertaken at a pace to maximise core recovery, but a softer oxide/transitional cap that extends to ~20m results in reduced sample recovery near surface, which is typically unmineralized.</li> <li>The mineralized zone is hosted within a shear, and this sometimes also results in significant broken material occurring within the core and some core losses.</li> </ul>		
Logging	Whether core and chip samples have been geologically and	Historic Drilling (pre-2021)		
	geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	<ul> <li>Hard copy drill logs are available only for a small number of historical drill holes, and include detailed lithological and alteration information</li> </ul>		
	Whether logging is qualitative or quantitative in nature. Core (or	Recent Drilling (2021 onwards)		
	<ul> <li>costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>All core has been geologically logged by qualified geologists under the direct daily supervision of a consulting geologist engaged through DJS Consulting in Canada to a level to support reporting of Mineral Resources.</li> <li>Core logging is qualitative, and all core trays have been digitally photographed and stored to a server.</li> </ul>		
Sub-sampling	If core, whether cut or sawn and whether quarter, half or all core	Historic Drilling (pre-2021)		
techniques and sample preparation	<ul> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>Records on the nature of sub-sampling techniques associated with the historical drilling are not available for review.</li> <li>Information available regarding the sample preparation techniques are dependent on the various drilling phases.         <ul> <li>1973-1980</li> <li>Sample batches of 9-18kg were coarse ground, weighed and screened at 3mm, before homogenisation, finer crushing and screening to 1mm. They then are passed through three stages of homogenisation and quartering before fine grinding to pass through a final 70-micron screen, before one final homogenisation, quartering, and splitting into duplicate samples.</li> <li>Smaller batch sizes crushed to 1mm passing before various stages of homogenisation and quartering</li> </ul> </li> </ul>		

Criteria	JORC Code explanation	Commentary
		respectively prior to the same final stage of fine grinding, homogenisation, quartering and duplication that occurs with large batches.  Excess material from the intermediate quartering stages was discarded and not stored.  1980-1988  Initial crushing of all sample batch sizes was facilitated by a jaw crusher before a 10mm screening process. The coarse product was then finely crushed to 0.8mm before 4-5 stages of homogenisation and quartering (depending on batch size). This product was then subjected to a fine grind, designed to pass a 70-micron screening process, prior to one final homogenisation and splitting into duplicates.  1992  No details available  1995-1997  Little information regarding the sample preparation of samples from these campaigns is available, however it is understood that all sample preparation was undertaken on site in Cuba and resulting pulp samples were sent for analysis at ALS Chemex (Vancouver) laboratory.
		Recent Drilling (2021 onwards)
		<ul> <li>Core is cut using diamond saw, with half core selected for sample analysis.</li> <li>Samples submitted for preparation at LACEMI in Havana are dried at a temperature between 80 and 100 deg C for a minimum 24hrs. Sample is then crushed to 75% passing 2mm, with a 400g sample collected through a Jones riffle splitter for submission at Activation Laboratories in Canada.</li> <li>Field duplicates are being collected from drill core at a rate of 2 in every 37 samples. The remaining half drill core is collected and submitted for separate analysis.</li> </ul>
Quality of assay data and	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> </ul>	<ul> <li>Historic Drilling (pre-2021)</li> <li>Details relating to the analytical methods employed for the historic drilling are not available. Review of assay results suggests detection</li> </ul>

Criteria	JORC Code explanation	Commentary
laboratory tests	<ul> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks,</li> </ul>	are much improved and demonstrate higher precision reflecting what is assumed to be more appropriate analysis methods.
	duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	Recent Drilling (2021 Onwards)
		<ul> <li>On receipt of the prepared coarse crush material at Activation Laboratories in Canada from LACEMI in Havana, the sample is dried again at 60 deg C for 24 hrs, pulverized to 95% passing 75 microns.</li> <li>Analysis for gold is via 30g fire assay with ICP finish. Over range gold assays (+30g/t) are repeated with Fire Assay and a gravimetric finish.</li> <li>35 element suite analysis is via 4 acid digest with ICP-OES finish. Over-range silver (+100g/t) is repeated using Fire Assay with gravimetric finish</li> <li>Both Fire Assay and 4 acid digest are considered total assay methods for the elements of interest.</li> <li>Certified reference materials are inserted at a rate of two per batch, with a reference blank inserted within each batch. Coarse field duplicates are submitted at a rate of two per batch.</li> <li>A selection of pulp residues have been selected for submission to a umpire laboratory however results are not yet available.</li> </ul>
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Significant intersections are reviewed by multiple personnel.</li> <li>Recent drilling has been designed in part to twin historic drilling as part of a sample verification process in generation of the Mineral Resource. In general, the new drilling has reflected the results presented in the historical holes, however individual examples with poor alignment are observed.</li> <li>Assay values below detection are replaced with half the detection limit, while values above the upper limit of detection, where not reanalysed, are assigned the upper detection value.</li> <li>Assay data is provided digitally and merged with applicable sample intervals. An Access database is being developed for ongoing storage of drill hole data, with Excel spreadsheets being employed in the interim.</li> <li>A selection of original assay certificates was reviewed against the compiled assay data with no transcription errors identified.</li> </ul>

Criteria	JORC Code explanation	Commentary
Location of data points	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>Two datum points have been established on the site using high precision GPS.</li> <li>All drill collars were surveyed by total station utilizing the local survey datum, on the NAD27 Cuba Norte grid.</li> <li>All drill holes picked up using total station.</li> <li>Natural surface topography is developed from 1m contours across the project area and is sufficient for use in Mineral Resources.</li> </ul>
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	limits of the defined structure.
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul> <li>The orientation of structures controlling grade distribution are generally understood from historical drilling information, and holes have been planned to intersect as close as possible in a perpendicular orientation.</li> <li>The drilling orientation is not considered to have introduced a sampling bias.</li> </ul>
Sample security	The measures taken to ensure sample security.	<ul> <li>All core is securely stored on the La Demajagua site until it has been logged and sampled, after which the core is transported by company personnel to a secure warehouse in Nueva Gerona. Samples are transported to the sample preparation laboratory in Havana in a company vehicle with Company driver.</li> <li>Samples The prepared samples are collected by company personnel in a company vehicle, and driven directly to the Jose Marti International airport, where the waybill is prepared by Air Canada. The samples are flown to Toronto via Air Canada airfreight, where they are delivered by Air Canada to Thompson Company, Ahearn and Co, who carry out customs clearance and deliver to the analytical laboratory.</li> </ul>
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	No audits have been conducted to date

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

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

Criteria	JORC Code explanation	Com	mentary				
Mineral tenement and land tenure status	<ul> <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 licence to operate in the area.</li> </ul>	V si w G Is	ictoria SA, wh ubsidiary of A hich is a subs eominera SA.	ich is a 49: ntilles Gold idiary of the The conces ntud (the Is	51 JV betweer Limited) and ( e Cuban State	n Antilles Go Gold Caribbe -owned min es 900ha and	d is situated on
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	m op th • Th ca by	nine, which properations in 1 are zone of minhere have been made under the canadian exposor.	oduced gold 959. There neralisation, en numerou ertaken at sploration co en known as	d bearing arse are a number which were a s exploration/ La Demajagua	nopyrite cor of sublevels accessed by resource de a, with the mar Mining Co no historical	velopment nost recent being orporation from
				Year	No. Holes	Meters	
				1973-75	26	3,817	
				1977-80	89	13,635	
				1980-88	76	15,692	
				1992	22	3,177	
				1995-97	150	14,364	
					363	50,685	
		ti		tory nature			y gold price at the ant the project
Geology	Deposit type, geological setting and style of mineralisation.	•	epitherma dominated sericite sc typically n	I gold depo I by schisto hists, and q netamorpho	uartzites, rich sed to greens	gy of the de tz-graphite s in gold-bea chist facies.	

Criteria	JORC Code explanation	Commentary
		relatively graphite poor, with package thickness of 20-200m, though increased graphite content occurs in almost all cases of fault brecciation, and so in turn mineralisation is almost always found with areas of elevated graphite content.  • The gold is primarily held within arsenopyrite and associated with boulangerite. Ore texture is disseminated, laminated, massive, brecciated or forms as a sulphide cement, while its structure is cataclastic, hypidomorphic, grainy or allotriomorphic.
Drill hole Information	<ul> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:         <ul> <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> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	Details of relevant hole information have been disclosed in previous releases
Data aggregation methods	<ul> <li>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.</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> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>Length weighted averaging for Au has been used to determine intercepts. A low-grade cutoff of 1/g/t has been utilised with no top cut.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	All intercept lengths are down the hole intercepts, true width not determined at this time.

Criteria	JORC Code explanation	Commentary
Diagrams	<ul> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	Refer plans and section within this release.
Balanced reporting	<ul> <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>	Raw data for +1g/t Au is included as Appendix 2
Other substantive exploration data	<ul> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples         <ul> <li>size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul> </li> </ul>	No other significant unreported exploration data for La Demajagua are available at this time.
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul> <li>Reported drill data is part of a two stage, 25,000 drilling program aimed at defining a resource at La Demajagua. Drill hole locations and depths have been determined utilising historical drilling data generated up until the late 1990's.</li> </ul>

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

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

Criteria	JORC Code explanation	Commentary
Database integrity	<ul> <li>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</li> <li>Data validation procedures used.</li> </ul>	<ul> <li>Drill hole data is captured in MS Excel templates in the field. Sampling sheets and dispatches are developed from the logging. Analytical results are provided by the external laboratory in CSV format and merged with the sample dispatch information in MS Excel spreadsheets.</li> <li>The data used in the Mineral Resource was provided as a series of MS Excel sheets. A Vulcan database was constructed from these input files and various validation checks completed including; mismatches between sample and drill end of hole depths; sample number gaps, sample overlaps, and missing samples; replacement of negative values with half detection values; missing collar, geology, or assay data; and visual validation by section for obvious trace errors. Any identified issues were communicated to field staff who provided corrected information. If the correct details were not able to be determined the holes were excluded.</li> </ul>
Site visits	<ul> <li>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</li> <li>If no site visits have been undertaken indicate why this is the case.</li> </ul>	<ul> <li>The Competent Person for Mineral Resources has not completed a site visit at this stage due to current restrictions on global travel associated with the COVID pandemic. Once these conditions ease the Competent Person will complete a site visit.</li> <li>The Competent Person has as far as practicable taken steps to validate the data collection via review of drill core, verification of external data against database records, and through review of historical information.</li> </ul>
Geological interpretation	<ul> <li>Confidence in (or conversely, the uncertainty of ) the geological interpretation of the mineral deposit.</li> <li>Nature of the data used and of any assumptions made.</li> <li>The effect, if any, of alternative interpretations on Mineral Resource estimation.</li> <li>The use of geology in guiding and controlling Mineral Resource estimation.</li> <li>The factors affecting continuity both of grade and geology.</li> </ul>	<ul> <li>Confidence in the geological interpretation is good. This is supported by the presence of extensive geological mapping based on historical drilling and supported by mapping of underground level developments.</li> <li>Factors affecting the continuity of grade and geology relate to structural controls associated with transverse (mineralisation parallel) faulting and shear zones associated with increased graphite content</li> </ul>
Dimensions	<ul> <li>The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</li> </ul>	<ul> <li>The mineralisation strikes approximately 45 degrees and dips ~70 degrees towards the northwest. The main zone of identified mineralisation extends for ~2.2km along strike and extends from</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>surface to ~400m down dip, though the thickness varies from 3-35m. The mineralisation within this zone is veiny, discontinuous and high grade, with lower grade disseminated mineralisation evident in the surrounding brecciated region.</li> <li>In addition to the main mineralised zone, additional hanging wall and footwall zones have been modelled over a portion of the mineralised zone, although represent relatively minor additional contributions to the overall mineralisation.</li> </ul>
Estimation and modelling techniques	<ul> <li>The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.</li> <li>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.</li> <li>The assumptions made regarding recovery of by-products.</li> <li>Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).</li> <li>In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.</li> <li>Any assumptions behind modelling of selective mining units.</li> <li>Any assumptions about correlation between variables.</li> <li>Description of how the geological interpretation was used to control the resource estimates.</li> <li>Discussion of basis for using or not using grade cutting or capping.</li> <li>The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.</li> </ul>	<ul> <li>Estimates were completed for gold (g/t) and silver (g/t).</li> <li>Three-dimensional mineralisation domains were generated using Leapfrog™ software for use in subsequent estimation, with the interpreted shapes used to generate coded mineralised intervals.</li> <li>Drill hole sample data was flagged using domain codes generated from the modelled domains as applicable. Sample data was composited to one-metre downhole lengths using a best fit-method.</li> <li>Outlier analysis of the composite data using histograms and log-probability plots indicated application of top-cut values for Au and Ag were required for all estimation domains. Top-cut values varied between 10g/t and 40g/t for Au and between 65g/t and 450g/t for Ag.</li> <li>Assessments of spatial continuity were performed for the major mineralised domain using Snowden Supervisor software. Data was transformed to normal scores prior to calculation of directional fans. Initial directions selected considered the dominant mineralisation trend as defined by the graphical review of the composite data and was refined as underlying trends were identified. The back transformed models reported relative nugget values in the order of 15% to 20%, with model ranges within the main mineralised domains varying from 70 to 85 metres.</li> <li>The grade estimation process was completed using Vulcan™ software. Interpolation of grades was via Ordinary Kriging (OK) for gold and silver. Check estimates were also completed using inverse distance to the second power (ID2).</li> <li>Interpolation parameters were selected based on kriging neighbourhood analysis with a minimum number of 6 composites and a maximum number of 14 composites. An octant-based search using a maximum of four samples was employed. Blocks were estimated in a two-pass strategy with the first pass search set to twice the</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>modelled variogram range. The second pass doubled this search distance and removed the octant restriction, with all other parameters remaining the same.</li> <li>A sub-set of the estimation was run within the footprint of the new drilling. Within this area only composite data generated as part of the latest program was used, with historic data excluded. Outside this area all data was used for estimation.</li> <li>The block model is rotated to a bearing of 045 to align with the strike of the mineralisation with a block size of 10 m (X) × 20 m (Y) × 10 m (Z) with sub-celling of 2.5 m (X) × 5 m (Y) × 2.5 m (Z). Grades were estimated into the parent cells. Hard boundary techniques were employed between domains, with a soft boundary used for the estimation of the zone outside of the new drilling footprint within each domain.</li> <li>The block model was validated using a combination of visual and statistical techniques including global statistics comparisons, and trend plots.</li> </ul>
Moisture	Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.	The Mineral Resource is reported on a dry basis.
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	<ul> <li>Selection of the reporting cut-off for Mineral Resources is supported by revenue and cost parameters used to inform the resource limiting optimisation shell applied. The reporting cut-off is considered appropriate for the style and nature of mineralisation at La Demajagua.</li> </ul>
Mining factors or assumptions	<ul> <li>Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.</li> </ul>	<ul> <li>The Mineral Resource is being reported assuming extraction via open pit methods using conventional drill and blast and load and haul methods. The cost and related cut-off grade parameters have been developed based on these criteria, with the reported Mineral Resource constrained within a Whittle optimisation shell employing these assumptions, and therefore has demonstrated reasonable prospects for eventual economic extraction.</li> </ul>
Metallurgical factors or assumptions	<ul> <li>The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions</li> </ul>	Preliminary metallurgical test work on mineralisation at the Project (see ASX release on 27 January 2022) has reported the ability to generate a concentrate product from the La Demajagua project using flotation. These results are considered adequate to achieve

Criteria	JORC Code explanation	Commentary
	regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	reasonable expectations of economic metallurgical processing of the project mineralisation.
Environmen- tal factors or assumptions	<ul> <li>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.</li> </ul>	site.
Bulk density	<ul> <li>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</li> <li>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</li> <li>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</li> </ul>	<ul> <li>Bulk density is applied via direct assignment using typical rock densities associated with the lithology and style of mineralisation.</li> <li>A program of bulk density measurements on drill core is planned to improve the local definition of bulk density across the project area</li> </ul>
Classification	<ul> <li>The basis for the classification of the Mineral Resources into varying confidence categories.</li> <li>Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</li> <li>Whether the result appropriately reflects the Competent Person's view of the deposit.</li> </ul>	<ul> <li>Classification of the Mineral Resource was completed with consideration of; the confidence in the interpretation boundaries and related mineralisation volumes related to the number, spacing, and orientation of the available drilling; the spatial continuity of respective domains based on variogram analysis; the assessment of key estimation output statistics including slope of regression and average distance to samples; and consideration of how well the underlying domain data is reflected in the estimated blocks as assessed by statistics globally and trend plots locally.</li> <li>The resource has been classified into the Indicated and Inferred categories.</li> <li>The Competent Person is satisfied that the stated Mineral Resource classification reflects the relevant factors of the deposit.</li> </ul>

Criteria	JORC Code explanation	Commentary
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	There have been no audits or reviews of the Mineral Resource estimate
Discussion of relative accuracy/ confidence	<ul> <li>Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</li> <li>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</li> <li>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</li> </ul>	<ul> <li>The relative accuracy of the Mineral Resource estimate is reflected in the reporting of the Mineral Resource in accordance with the guidelines of the 2012 JORC Code.</li> <li>A total of 60% of the Mineral Resource is reported in the Indicated category, with 40% in the Inferred category.</li> <li>The statement relates to a global estimation of tonnes and grade.</li> <li>Historical mining and associated documentation has confirmed the presence and nature of mineralisation at La Demajagua.</li> </ul>