

16 December 2021

## UPDATED INVESTOR PRESENTATION - LA DEMAJAGUA OPEN PIT MINE, CUBA

**Antilles Gold Limited (ASX Code: AAU, OTCQB: ANTMF) (the "Company" or "Antilles Gold") advises that it has produced an updated Investor Presentation (attached) for the La Demajagua open pit gold/silver mine in Cuba, which is being undertaken in a joint venture with the Cuban Government's mining company, GeoMinera S.A.** The presentation is to be used in discussions with potential investors in North America.

Key points include:

- Results from first stage metallurgical test work, including concentrate grades and recoveries are expected in late December 2021.
- Initial JORC Resources are expected to be received in January 2022, together with a preliminary pit shell and schedule of material movements.
- The results of a detailed Scoping Study for the open pit mine, including an updated financial analysis, should be published by the end of January 2022.
- The DFS and all necessary permitting are expected to be completed around September 2022, and allow a development decision in Q4 2022.

The Investor Presentation also highlights the development opportunity that could result from the Company's near term exploration of the large, near surface, VMS deposit at Golden Hills in south east Cuba, which was extensively explored by MacDonald Mines from Canada in the 1990's.

Dr Chris Grainger, the Company's recently appointed and highly experienced Exploration Director, will manage these activities from a dedicated office in the Provincial Capital of Camaguey, and be supported by a Vancouver based geological consultant who was involved in the historic exploration, and is highly enthusiastic about the potential of the Golden Hills VMS deposit.

END

## **ABOUT ANTILLES GOLD LIMITED:**

Antilles Gold is at the forefront of the emerging gold mining sector in mineral-rich Cuba, and is focussed on organic growth through participation in the development of a number of gold, and copper/gold projects in a 49:51 joint venture with the Cuban Government mining company, GeoMinera SA.

The near term projects of the joint venture company, Minera La Victoria SA, are the proposed development of the La Demajagua gold/silver mine on the Isle of Youth in south west Cuba to produce high grade gold concentrate, and the potential development of a very large, near surface, VMS deposit at Golden Hills in south east Cuba.

Minera La Victoria also has a pipeline of potential development projects in addition to these two, including the adjacent, previously explored, Florencia and Maclama sulphide gold deposits, and a large number of prospective copper/gold deposits.

Refer website: [\*\*www.antillesgold.net\*\*](http://www.antillesgold.net)

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

For further information, please contact:

Investor Relations:

**Brian Johnson,**  
Executive Chairman, **Antilles Gold**  
**T:** +61 (02) 4861 1740  
**E:** [brianjohnson@antillesgold.net](mailto:brianjohnson@antillesgold.net)

**Rod North,**  
Managing Director, **Bourse Communications Pty Ltd**  
**T:** +61 (03) 9510 8309, M: 0408 670 706  
**E:** [rod@boursecommunications.com.au](mailto:rod@boursecommunications.com.au)

# INVESTOR PRESENTATION

16 December 2021



ANTILLES  
GOLD LIMITED

ASX CODE: AAU  
OTCQB: ANTMF



Capitol Building, Havana

# Forward-Looking Statement

Some of the statements contained in this Presentation are forward-looking statements, such as statements that describe Antilles Gold Limited's ("AAU") future plans, intentions, objectives or goals, and specifically include but are not limited to statements regarding AAU's properties, resource estimates, potential mineralization, future financial or operating performance, gold and silver prices, estimated future production, future costs, timing of production start and economic analysis.

Actual results and developments may differ materially from those contemplated by such forward-looking statements depending on, among others, such key factors as the possibility that actual circumstances will differ from estimates and assumptions used in the potential of La Demajagua gold project, the environmental and social cost of proceeding with the project, uncertainty relating to the availability and costs of financing needed in the future, economic sanctions, general business and economic conditions, inflation, changes in exchange rates, fluctuations in commodity prices, delays in the development of the project, and the impact of future legislation and regulations on expenses, capital expenditures and taxation, changes in project parameters, variation in ore grade or recovery rates, delays in obtaining government approvals and necessary permitting, impurities in products and other risks involved in the mineral exploration and development industry.

The forward-looking statements represent AAU's current views and subsequent events and developments may cause AAU's views to change. AAU disclaims any obligation to update forward-looking information except as required by law. Readers should not place undue reliance on any forward-looking statements.

## DISCLAIMER

The Information contained in this Presentation is provided on the terms and conditions set out in this notice. The purpose of this Presentation is to provide Information relating to AAU, the La Demajagua Gold/Silver Project and potential of exploration areas in Cuba ("the Projects").

This Presentation has been prepared as a summary only and does not contain all information about AAU or the Projects. The information is subject to updating, completion, revision, further verification and amendment.

AAU makes no representation or warranty (express or implied) as to the accuracy, reliability or completeness of the Information. AAU and its respective affiliates, directors, employees, agents and consultants shall have no liability (including liability to any person by reason of negligence or negligent misstatement) for any statements, opinions, information or matters (express or implied) arising out of, contained in or derived from, or for any omissions from the Presentation, except liability under statute that cannot be excluded.

The Presentation contains reference to certain intentions, expectations and plans of AAU and the Projects. These intentions, expectations and plans may or may not be achieved. They are based on certain assumptions which may not be met or on which views may differ. The performance and operations of AAU and the Projects may be influenced by a number of factors, many of which are outside the control of AAU and the Projects. No representation or warranty, express or implied, is made by AAU or any of its respective affiliates, directors, officers, employees, agents, and consultants that any intentions, expectations or plans will be achieved either totally or partially or that any particular profitability or value will be achieved.

# Antilles Gold is uniquely positioned to access gold and copper/gold development opportunities in mineral rich Cuba.



**Cuba hosts many gold and copper deposits that have been extensively explored by Canadian, Russian, and Cuban mining companies, but development opportunities have been substantially overlooked by the international mining sector for over twenty years.**

# Company Information

**Shares on Issue** **304.0M**

Share Price 15 December 2021 7.0 cents

Market Capitalisation 15 December 2021 \$21.3 million

## Top 5 Shareholders %

Chairman, Brian Johnson entities 79,168,333 26.07

Mercury Connection International Co 20,000,000 6.56

Mr Erle Edwinson 17,331,800 5.71

BNP Paribas 7,585,347 2.50

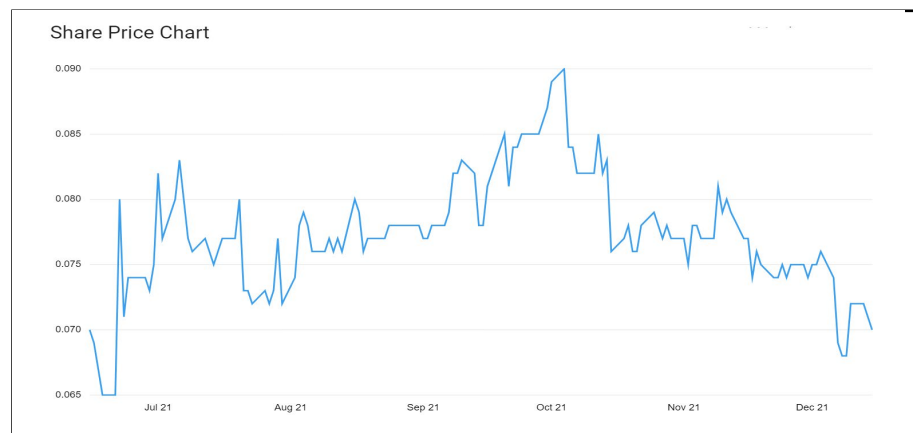
Mr Yung Wing Ho & Mrs Kam Ling Ho 6,924,740 2.28

**Top 20 Shareholders** **168,571,100** **55.51**

**Options on Issue** **62.05M**

(exercise price of \$0.13, expiring 30 April 2023)

Option Price 15 December 2021 1.8 cents



# Joint Venture in Cuba – Development Projects

Over the past five years, Antilles Gold has established excellent relations with the Cuban Government’s mining company, GeoMinera SA, which culminated in the registration in August 2020 of a 49:51 joint venture company, Minera La Victoria SA (“MLV”), which has access to a pipeline of gold and copper/gold development opportunities, including;

- The near-term development of the La Demajagua open pit gold/silver mine on the Isle of Youth in south-west Cuba, to produce high grade refractory concentrate.
- The development of a shallow and very large VMS deposit at Golden Hills in south-east Cuba with the potential to produce significant volumes of copper/gold concentrate
- The development of two relatively small previously explored sulphide gold deposits, Florencia and Maclama located near Golden Hills, to produce high grade concentrate.
- The development of an underground operation to follow the open pit mining at La Demajagua.

Other development opportunities may emerge from exploration of some of the 17 individual copper/gold deposits that have been offered to AGI for review prior to recommending which properties should be retained for additional exploration, and possible future development by MLV.

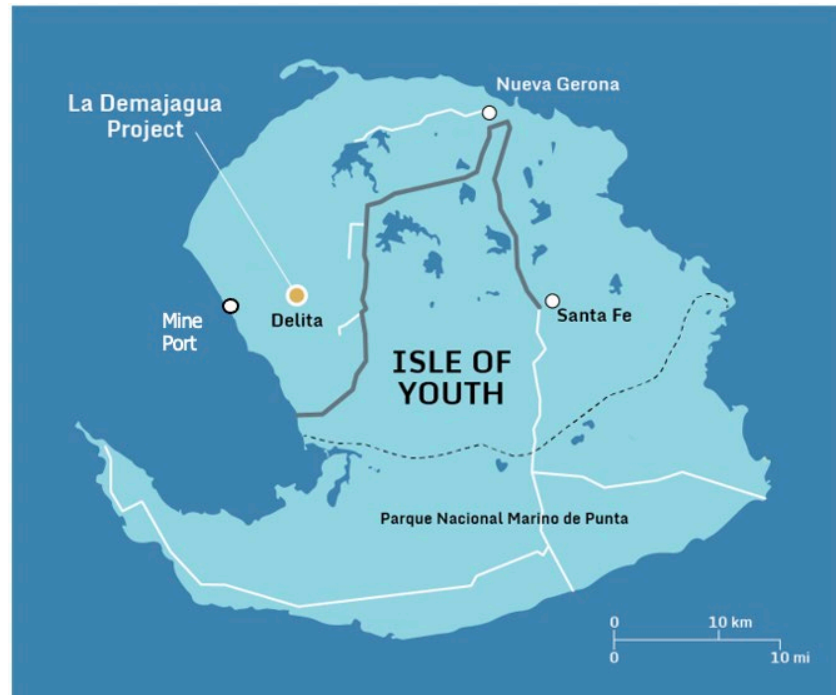
**AGI will participate in MLV’s organic growth in profitability and value through the application of part of the substantial surplus cash flow expected to be generated by the La Demajagua open pit mine, to the funding of subsequent projects.**

# La Demajagua Gold/Silver Mine

The proposed La Demajagua mine on the Isle of Youth in south-west Cuba is in the predevelopment stage with the Definitive Feasibility Study (“DFS”) and permitting for the first stage open pit mine expected to be completed in Q3 2022 to allow a development decision in Q4 2022 and construction commencement in Q1 2023.

## SITE LOCATION AND INFRASTRUCTURE

- The La Demajagua gold/silver deposit is located on the Isle of Youth, 100km from mainland Cuba.
- The mine site is accessible from the port city of Nueva Gerona by 40km paved highway.
- A dedicated port can be constructed for landing craft, 4km from mine.
- Connected to water, electricity, and fibre optic.
- 900ha mining concession at 20m above sea level.



*Location La Demajagua Gold/Silver Project*



# La Demajagua Gold/Silver Mine - continued

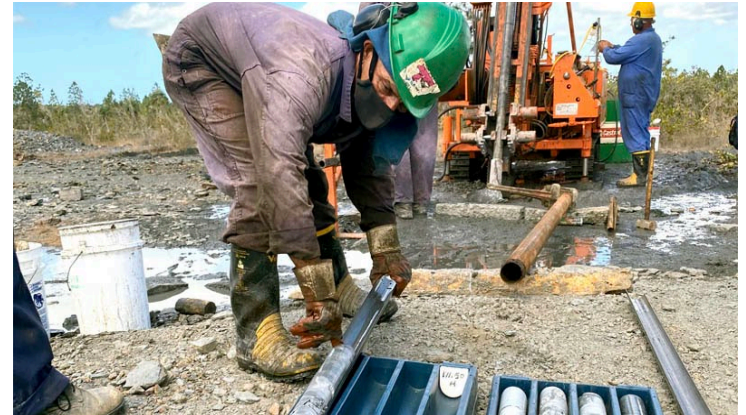
Based on extensive historic drilling and metallurgical test work, the open pit mine is anticipated to operate for six years at a mining rate of 800,000 tpa of ore with a stripping ratio of 7:1, to produce 60,000 tpa to 65,000 tpa of concentrate grading around 45 g/t Au equivalent.

Data from 50,000m of historic drilling, the 15,000m drilling program completed by MLV in August 2021, and a current 10,000m program, will allow the establishment of initial JORC Resources for the project in January 2022. Final JORC Resources for the project should be published in mid 2022.

The Exploration Target Range for the La Demajagua deposit is set out in Annex 1.

**Drilling results from the 15,000m program have been outstanding for an open pit mining operation (refer NEWS section of website [www.antillesgold.net](http://www.antillesgold.net)).**

A composite sample from drill cores containing 3.8 g/t Au and 38.0 g/t Ag is being tested to establish preliminary gold/silver recoveries and concentrate grades, with results expected in late December 2021. Additional metallurgical results will be published after final JORC Resources are established in mid 2022.



*Drilling at La Demajagua*

# La Demajagua - History

The La Demajagua gold/silver deposit incorporates the Delita deposit which was discovered around 1900 but received only cursory attention until the 1920s when a North American company acquired the concession. Production was minimal until after World War II.

In the period 1947 – 1950, approximately 60,000 t of ore were mined underground. As mining progressed in depth, the material changed from shallow, oxide-zone material, to sulphidic arsenic mineralization. Reports suggest that the 60,000 t were mined at a recovered grade of 14 g/t gold.

During the 1970s and 1980s, regional exploration, mapping and geophysical surveys were conducted, and between 1977 and 1980, trenching and drilling were conducted on the Delita property. This work expanded resources considerably.

A new shaft was sunk and a flotation and gravity process plant constructed at Delita in 1980, with approximately 80,000 t of ore processed through the plant. High recoveries of gold and silver, reporting to flotation and gravity concentrates, were achieved in the plant, which had a nominal 60-80 tpd capacity. However, the inability to process the refractory concentrates prevented operations from being expanded to full scale production.

Minera Mantua SA, a subsidiary of Miramar Mining Corp (now owned by Newmont), acquired its interest in the Delita project in 1993 and engaged Davy Engineering to conduct a Preliminary Feasibility Study for the project, which was completed in March 1995 and reported average head grades of 4.2 g/t Au for the proposed 750,000 tpa open pit mining operation.

**Concentrate product was reported as 30g/t to 60g/t Au, 15% to 20% As and 20% to 30% S.**

# La Demajagua - Financial

Antilles Gold's current Financial Model for the open pit mine indicates a total capital cost of approximately US\$63 million including pre-development costs, financing, and MLV's administration costs during construction.

Modelling is based on quotations for the mining fleet, and turnkey offers for the design and construction of the crushing, milling, and flotation circuits, and the leasing of the required 8Mw power station, and the indicative concentrate price advised by a potential buyer. The results demonstrate excellent returns on Antilles Gold's investment.

**Antilles Gold's US\$13 million equity for its 49% shareholding in MLV will meet the costs of the DFS and MLV's overheads to December 2022 (US\$7.0 million), and the majority of mine infrastructure in 2023 (US\$6.0 million).**

Funding for the approximately US\$50 million of development costs in addition to Antilles Gold's equity is anticipated to be provided by a combination of supplier credit and project loans.

Negotiations for concentrate off-take agreements will commence next month after samples become available from the current metallurgical testwork, which will firm up the indicative pricing used in the current financial modelling.

**Results of a detailed Scoping Study for the project will be released in late January 2022 after the initial JORC Resources are published.**

# La Demajagua Underground Mine

Antilles Gold will undertake a DFS in 2027 for the planned underground operation to follow the open pit mining.

The Company will provide US\$6.0 million to undertake the DFS including the drilling necessary for mine planning and resource calculation, and will contribute a further US\$7.0 million in 2029 for underground development to maintain its 49% shareholding in MLV. Mining is planned to commence in 2030.

**The underground mining rate is expected to be approximately 550,000 tpa and produce 40,000 tpa of concentrate containing approximately 70,000 oz Au equivalent for a period of at least 10 years.**

The underground operation will benefit from the availability of the existing processing plant and infrastructure, and require relatively low additional capital costs for the mine development which should be able to be met from retained earnings of MLV.

# Golden Hills VMS Deposit

The Golden Hills sulphide deposit which is located approximately 100km south-east of the Provincial Capital of Camaguey, was explored by MacDonald Mines from Canada between 1994 and 1998 when they conducted ground and airborne geophysical surveys, mapping, geochemical surveys, trenching, and 199 cored drill holes to an average depth of 80m (50 m into the shallow sulphide mineralization). The database generated by this work was well archived and has been made available for AGI.

A cluster of three oxide deposits at Golden Hills that have since been mined are underlaid by a large interconnected volcanogenic massive sulphide ("VMS") deposit.

**The mineralisation discovered to date lies in a 1.5km long by 1.0km wide west-northwest oriented zone, and within a lens shaped body 7.0km long and 2.0km in true thickness that has been interpreted to be a section through a volcanic edifice.**

The extensive geological data for the property provided by GeoMinera has assisted AGI in preparing an efficient and cost-effective program to complete sufficient exploration in 2022-2023 to then undertake a Prefeasibility Study for the project in 2024 which could potentially be followed by development in 2026.

**Antilles Gold is attracted to the Golden Hills deposit as it could be a viable producer of large volumes of copper/gold concentrate.**



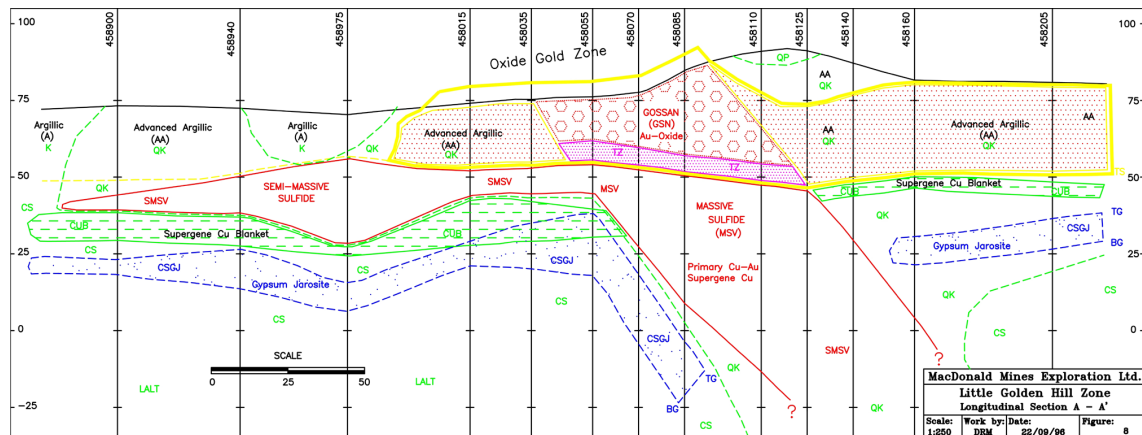
*Golden Hills Project*

# Golden Hills Consulting Geologist's Report

## Geology

*"The Golden Hills Au-Cu deposits are hosted in Cretaceous volcanoclastic rocks, that dip moderately west-northwest. These rocks outline a lens shaped body 7.0km long and about 2.0km in true thickness that is interpreted to be a section through a volcanic edifice.*

*The mineralization is spatially and probably genetically related to a 2.0km<sup>2</sup> intrusive body that is centered 1.5km south of Big Golden Hill. The mineralization, discovered to date, lies within a 1.5km long by 1.0 km wide west-northwest oriented zone on the northwest side of the intrusive.*



*Interpreted Longitudinal Section through Little Golden Hill*

# Golden Hills Consulting Geologist's Report - continued

*The Golden Hills Au oxide deposits are underlaid by a large mineralized system hosting Au and Cu enriched sulphide bodies. Wide intersections of blind, massive, semi-massive, and disseminated sulphide mineralization with Au and Cu occur within the area, and the potential to define large Au and Cu sulphide resources is excellent.*

*The Golden Hills Au-Cu deposits have been classified as high-sulphidation type deposits. The style and distribution of the mineralization and alteration has many similarities to high-sulphidation gold systems around the world including Pueblo Viejo in the Dominican Republic, El Indio in Chile, and Lepanto in the Philippines.”*

**The Golden Hills deposit represents a major target for AGI which is planning an aggressive exploration program of in 2022-23 followed by Feasibility Studies in 2024-25 for a large-scale mining operation to produce Cu/Au concentrate.**

AGI will conduct the program from its regional office in Camaguey under the control of the Company's Exploration Director. Exploration and study costs will be reimbursed to AGI if the deposit is developed by MLV.

It is anticipated that significant retained earnings from the La Demajagua open pit mine could be available for investment at Golden Hills in 2026 if the proposed development proceeds.

# Florencia & Maclama Open Pit Mines

The Florencia and Maclama gold deposits located 15 km from Golden Hills, are low sulphide, near surface deposits which have been explored by Russian companies and MacDonald Mines from Canada

Geological data from 17,000m of cored drill holes (237 holes), and an 80m shaft at Florencia with 1200m of drifts and cross cuts, has been made available to Antilles Gold.

**Metallurgical test work on Florencia ore by SGS Lakefield in Canada indicated concentrate grades could be up to 120 g/t Au and 90 g/t Ag with a very low arsenic content (0.05% As).**

The deposits are approximately 7km apart and the plan is to develop two pits with ore being transported to a central plant for the production of concentrate.

Annual concentrate production of only 15,000 tonne from each mine at a conservative grade of 50g/t Au would result in the production of approximately 50,000 oz Au per year plus silver credits.

These properties, which are the subject of an Exploration Agreement with GeoMinera, will be further explored by Antilles Gold in 2022-23 and a Prefeasibility Study undertaken prior to the transfer of the two Mining Concessions to MLV for potential project development.

**It is anticipated that if the development proceeds, the capital costs for the two relatively small mines will be able to be met from surplus cash flow generated by the La Demajagua mine.**

## Additional Copper/Gold Deposits

AGI's Exploration Director is currently reviewing the potential of 17 copper/gold deposits after which AGI will nominate the properties to be retained for exploration, and possible future development by MLV.



# Investment In Cuba

**The Cuban Parliament adopted Law 118 for Foreign Investment in March 2014 which provides basic investment protection and other general rules relevant to foreign investors.**

**Features which will apply to the Joint Venture with GeoMinera include;**

- Equal numbers of directors with all Board decisions to be unanimous.
- Senior management, and consultants nominated by Antilles Gold.
- An Account is to be established at an International Bank to receive project loans, and sales proceeds. From this account payments will be made to service loans, and pay foreign creditors, and dividends to Antilles Gold. Funds to be remitted to Cuba from the Account will only be those required for domestic capital and operating expenses, Government charges, and GeoMinera dividends.
- The corporate tax rate of 15% will be waived for 8 years.
- The goods and services tax of 10% is reduced by 50% for the project.
- Import duties will not be applicable to the project development.
- Sale of shares in the Joint Venture company is not restricted.
- Disputes to be resolved at the International Court of Arbitration ("CCI") in Paris.

# Directors



**Brian Johnson**  
Executive Chairman

Mr Johnson is a graduate in civil engineering from the University of Western Australia and a Member of the Institute of Engineers, Australia with extensive experience in the construction and mining industries in Australia, South East Asia and North America. He was instrumental in establishing successful companies, Portman Limited and Mount Gibson Iron Limited in the iron ore industry, and South Blackwater Coal Limited and Austral Coal Limited in the coal sector. He has previously been a director of two listed gold producers, and of companies with Stock Exchange listings in London, New York, Vancouver, and Australia.



**James Tyers**  
Executive Director  
Operations

Mr Tyers is a member of the AusIMM and has over 30 years' experience in the mining industry involving senior management roles in gold and iron ore operations. He was Alternate Manager for the Palm Springs Gold Mine in the Kimberley region of Western Australia, and Manager for the Cornishman Project, a joint venture between Troy Resources Limited and Sons of Gwalia Limited. Mr Tyers also spent three years developing and operating iron ore projects in the mid-west of Western Australia. He was responsible for the development of the Las Lagunas Project and is Project Director for the La Demajagua gold mine in Cuba.



**Ugo Cario**  
Non-Executive  
Director

Mr Cario has over 30 years' of experience in the Australian mining industry. He was a Director and Chief Executive Officer of Rocklands Richfield Limited for four years, and Managing Director of Austral Coal Limited for eight years. Prior to Austral Coal, Mr Cario held a number of senior positions with the Conzinc Rio Tinto Australia Group. He is also a former Director of the Port Kembla Coal Terminal, the New South Wales Joint Coal Board, and Interim Chairman of the New South Wales Minerals Council in 2004.



**Angela Pankhurst**  
Non-Executive  
Director

Ms Pankhurst has over 20 years' experience as an executive and non-executive director primarily in the mining industry. She has been a senior executive for companies with projects in Kazakhstan, Nigeria, Vietnam, South Africa and Australia, including CFO then Finance Director for Antilles Gold until March 2009. She was Managing Director of Central Asia Resources Limited during the development of its first gold mine and processing facility, and is currently a director of Consolidated Zinc Limited and a director of Imritec Limited.

# Senior Management



**Dr Jinxing Ji**  
Technical Director  
Vancouver

Dr Ji highly knowledgeable metallurgist with 6 years of research experience in universities and 26 years of practical experience in the mining industry related to gold, silver, copper, zinc and lead. Broad worldwide experience includes due diligence, metallurgical testwork, prefeasibility study, feasibility study, detailed design, plant commissioning support and operational support/optimization for projects/mines in Turkey, Greece, Canada, China, Romania, Brazil, and Papua New Guinea, etc. In-depth knowledge and experience for every gold process either for free-milling ores or single and double-refractory ores, including bulk flotation, selective sequential flotation, heap leach, CIC, tank cyanide leach, CIL, CIP, pressure oxidation, roasting, biological oxidation, Albion, and application of ion-exchange resin for gold extraction.



**Steve Mertens**  
Mining Director  
Cuba

Mr Mertens is a mining engineer with 20 years' industry experience across a range of commodities, including 9 years based in Latin America. He has experience developing large mining projects and worked as a Construction Manager at the Goro Nickel Project in New Caledonia and also the Mina de Cobre Project in Panama. Prior to his current role as General Manager for the Minera La Victoria JV in Cuba, Mr Mertens was the Mining Manager for Antilles Gold's Las Lagunas operation in the Dominican Republic.



**Dr Chris Grainger**  
Exploration Director  
Cuba

Australian geologist with +25 years of international experience with a focus on grassroots and brownfields exploration, resource definition and development, with a focus on precious and base-metals in South and Central America and the Caribbean. Holds a PhD Economic Geology (University of Western Australia). Associated with significant team discoveries and commercially successful transactions including: Continental Gold, Buritica Au-Ag project discovery (Vice President Regional projects/New Business Manager), Cordoba Minerals Alacran Cu-Au discovery (Vice President Exploration)



**Tracey Aitkin**  
Chief Financial Officer  
Sydney

Ms Aitkin is a professional member of CPA Australia with more than thirty years of post-graduate experience in finance, administration and staff management across a range of industries including manufacturing, retail, transport, agriculture and mining. She joined the staff of Antilles Gold Limited in 2009 as Group Accountant and had the opportunity to grow and develop her skill base in line with the growth and development of the company and was subsequently appointed as Chief Financial Officer in December 2010.

# In Summary

- **Antilles Gold has the opportunity to participate through a joint venture with Government owned mining company, GeoMinera, in the successive development of several gold mines in Cuba to produce high grade concentrate.**
- The Company has experienced Directors and Management.
- Low entry price for near term cash flow from the La Demajagua open pit mine.
- Low operating costs in Cuba, and attractive fiscal regime including mechanisms for protecting minority shareholding.
- Availability of existing infrastructure, professional staff, and skilled workforce.
- Government support for foreign investment in the mining sector.
- Potential to construct concentrate processing plant to produce doré, and recover the gold value discounted when sold as concentrate.
- **The Company's share of expected surplus cash flow after debt servicing over the six-year mine life of the La Demajagua open pit mine will be an excellent return on its initial US\$13 million investment, and this return will increase with 10 years of underground operations.**

# Annex 1 – Exploration Target

Cube Consulting's estimate of the Exploration Target Range for the La Demajagua gold/silver deposit above 1.0g/t Au cut-off grade based on data from 50,000m of previous drilling as reported to ASX 10 November 2020:

Range	Tonnes	Grade (Au g/t)	Oz Au	Grade (Ag g/t)	Oz Ag
Lower	16,000,000	2.3	1,200,000	17	8,700,000
Upper	20,000,000	2.7	1,700,000	23	14,800,000

## Competent Person Statement

The information in this report that relates to Exploration Targets is based on information compiled 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 Limited. Mr Saunders has sufficient experience that is 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 the report of the matters based on his information in the form and context in which appears.





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GOLD LIMITED