

SolGold plc
("SolGold" or the "Company")

Extensive Lithocap Identified at Rio Amarillo with Significant Copper and Gold Results

The Board of SolGold (LSE & TSX code: SOLG) is pleased to provide an update from the Company's regional exploration activities from its 100% owned Rio Amarillo Project in northern Ecuador, held by wholly owned subsidiary Carnegie Ridge Resources.

Highlights:

- **Initial exploration on the Rio Amarillo Project has identified 5 prospects on concessions Rio Amarillo 1 & 2.**
 - **An extensive 2km by 2.4km lithocap has been identified in Rio Amarillo 2. The lithocap is characterised by advanced argillic alteration with crackle and hydrothermal breccias. Veins rich in realgar (Photo 3) were also identified providing further evidence of hydrothermal activity. Lithocaps commonly form over porphyry intrusions. Best rock chip results from in and around the lithocap include:**
 - **R01001075 0.33% Cu, 0.31 g/t Au, 32 ppm Mo**
 - **R01001089 0.21% Cu, 0.05 g/t Au, 45 ppm Mo**
 - **Three other prospects have been identified in Rio Amarillo 1 surrounding the lithocap; known as the Chilanes, Cuambo and Pasquel prospects.**
 - **The Cuambo and Pasquel prospects are distal to the lithocap with epithermal vein mineralisation identified. Best rock chip results include:**
 - **Cuambo Prospect**
 - **R01001018 11.3 g/t Au**
 - **R01001019 1.85 g/t Au**
 - **Pasquel Prospect**
 - **R01001290 13.35 g/t Au**
 - **R01001294 3.00 g/t Au**
 - **R01001295 2.45 g/t Au**
 - **At the Chilanes prospect, located proximal to the lithocap, B type veins have been mapped and sampled with best rock chip results including:**
 - **R01000025 0.93 g/t Au, 0.18% Cu, 11.85ppm Mo**
 - **R01000026 0.90 g/t Au, 0.01% Cu, 13.75 ppm Mo**
 - **R01000029 0.51 g/t Au, 0.13% Cu, 10.35 ppm Mo**
- **The Puguran prospect is located in Rio Amarillo 2. It represents a 250m long quartz diorite outcrop in Palomar creek with B type veins identified. Rock saw sampling returned:**
 - **140m @ 0.24% Cu**
 - **Including 13m @ 0.65% Cu**



- **Including 12m @ 0.38% Cu**

*Please see all figures in this announcement to see the ranges of all samples

Introduction

Ecuador is located on the rich and under-explored section of the Andean Copper Belt, from which the well explored southern portion is renowned as the production base for nearly half of the world's copper (**Figure 1**). SolGold's strategy to become a tier 1 copper and gold producer through systematic exploration continues to yield exciting results. Follow up exploration has focussed on 12 priority projects identified across SolGold's 72 regional concessions.

With 12 priority projects now recognised, ongoing exploration by SolGold technical teams is focussed on advancing these priority projects with a view to progress to drill testing as soon as possible. SolGold's high success rate has been achieved by operating multiple field teams comprising 42 Ecuadorean geologists in regional exploration, applying the successful exploration blueprint developed by SolGold over the last 4 years.

Drilling is scheduled to commence on regional projects as soon as practical following completion of permitting processes.

Further Information

The Rio Amarillo project consists of 3 concessions; Rio Amarillo 1, 2 & 3. Currently, 5 prospects have been identified on concessions 1 & 2. The main geological feature of the Rio Amarillo project is the extensive lithocap extending 2km by 2.4km in area.

Whilst the lithocap has an extensive covering of volcanic ash, outcrops of crackle and hydrothermal breccia (**Photo 1**) have been located, including areas of silica clay and advanced argillic hydrothermal alteration. Bordering the altered lithocap are various outcrops of diorite and quartz-diorite containing mineralised B type veins (**Photo 2**). Best rock chip results include:

- R01001075 0.33% Cu, 0.31 g/t Au, 32 ppm Mo
- R01001089 0.21% Cu, 0.05 g/t Au, 45 ppm Mo
- R01001068 0.14% Cu, 0.84 g/t Au, 4 ppm Mo
- R01001056 0.12% Cu, 0.45 g/t Au, 5 ppm Mo

Cuambo and Pasquel prospects are distal to the lithocap with epithermal vein mineralisation identified. The epithermal veining at these prospects are possibly associated with a deeper porphyry system that is responsible for the advanced argillic alteration forming the lithocap. Best results include:

- Cuambo Prospect
 - R01001018 11.3 g/t Au
 - R01001019 1.85 g/t Au
- Pasquel Prospect
 - R01001290 13.35 g/t Au
 - R01001294 3.00 g/t Au
 - R01001295 2.45 g/t Au



At the Chilanes prospect, located proximal to the lithocap, B type veins have been mapped and sampled. An outcrop of stockwork B type veins (Photo 5) has been identified hosted in a dark micro diorite – quartz diorite with the matrix altered to magnetite and chlorite, with best rock chip results including:

- R01000025 0.93 g/t Au, 0.18% Cu, 11.85ppm Mo
- R01000026 0.90 g/t Au, 0.01% Cu, 13.75 ppm Mo
- R01000029 0.51 g/t Au, 0.13% Cu, 10.35 ppm Mo

The Puguran is located in Rio Amarillo 2. It represents a 250m long quartz diorite outcrop in Palomar creek (Photo 6) with B and D type veins identified. Alteration in this creek is interpreted as potassic overprinted by later phyllic alteration. Rock saw sampling returned:

- 140m @ 0.24% Cu
 - Including 13m @ 0.65% Cu
 - Including 12m @ 0.38% Cu

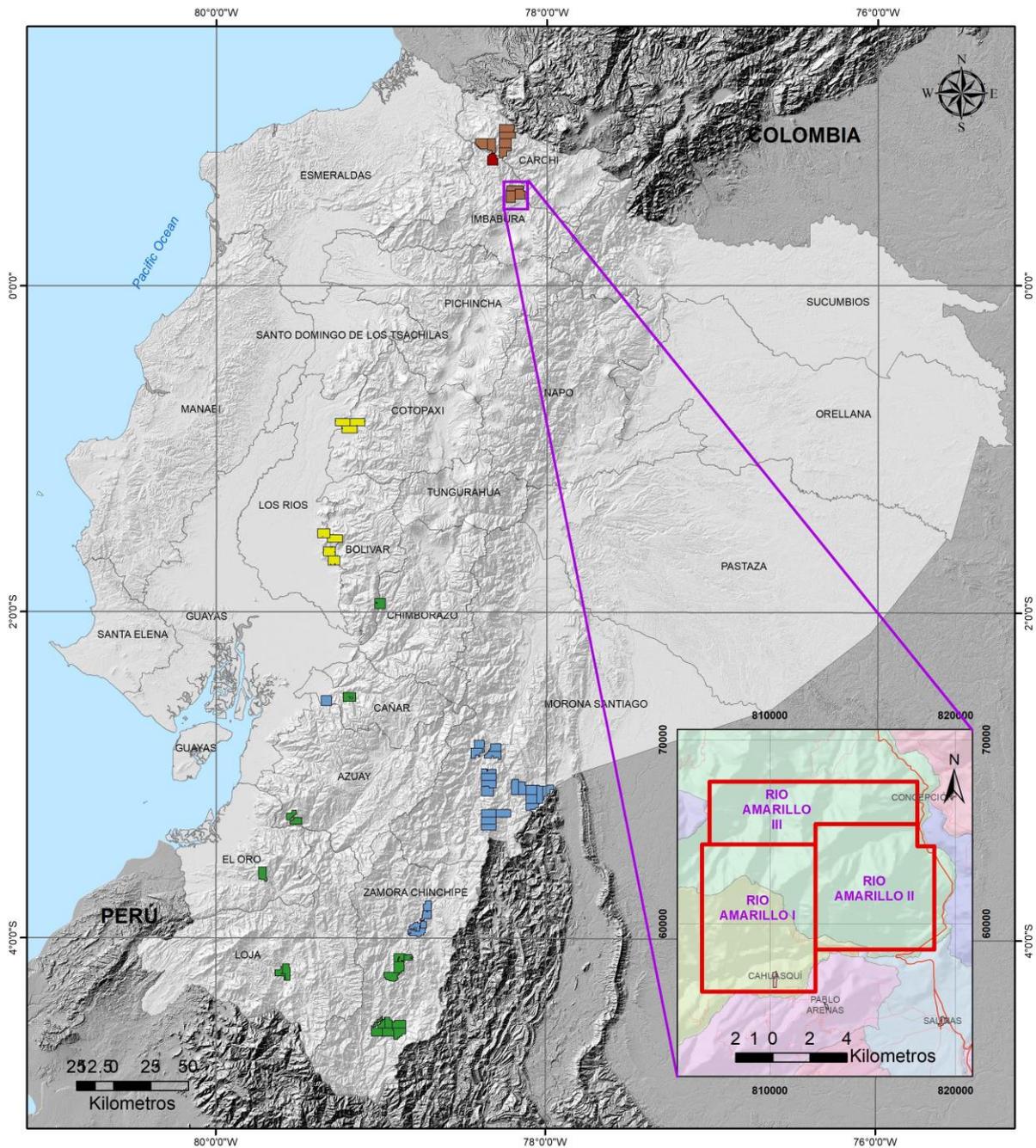


Figure 1: Location plan showing the Rio Amarillo project in northern Ecuador.

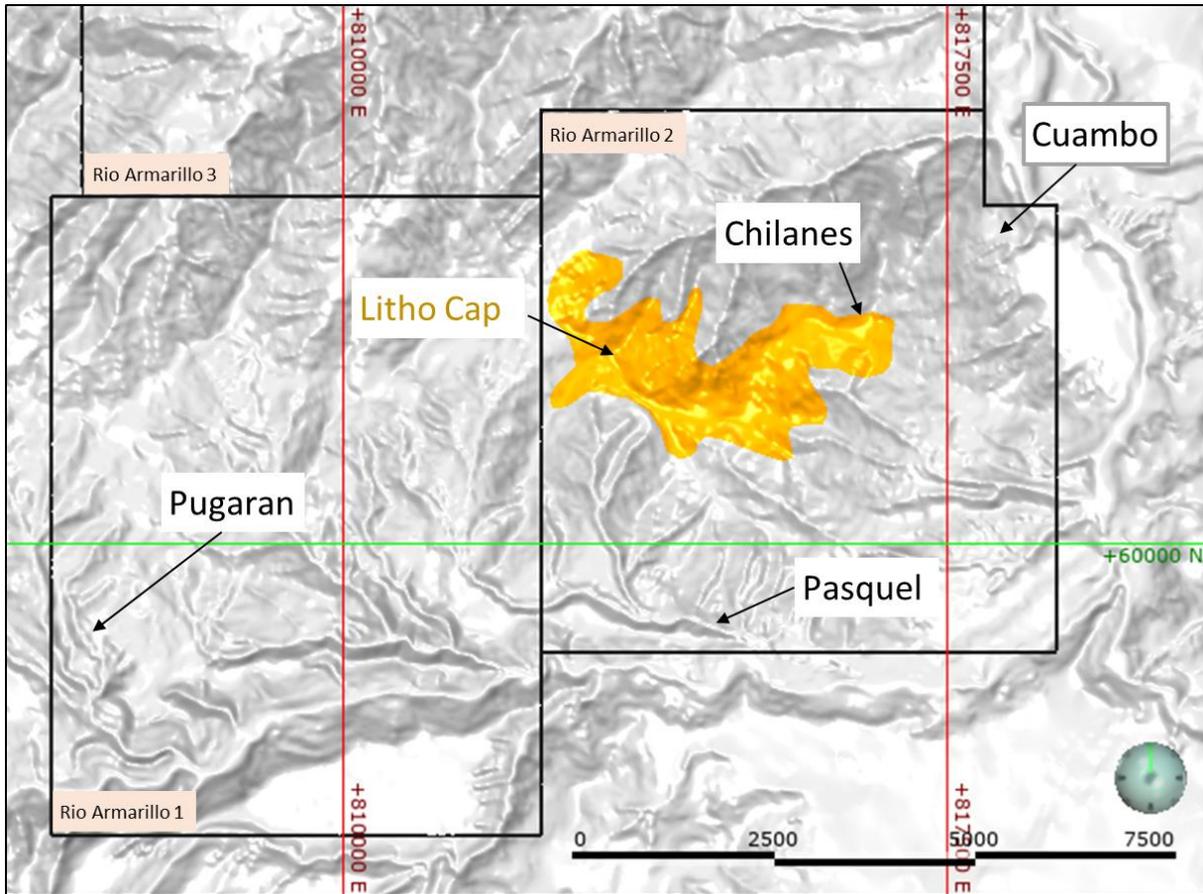


Figure 2: Prospect location map – Rio Amarillo

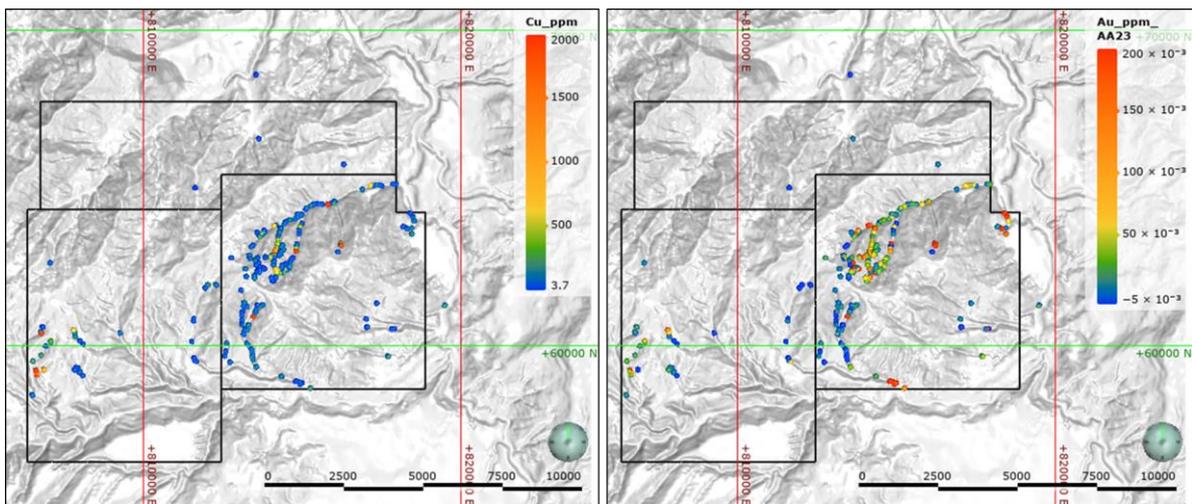


Figure 3: Rock chip locations – copper and gold results



Río Amarillo, Lithocap
Sample: R01001042
Rock: Hydrothermal Breccia

Results:
 Cu: 4.4 ppm
 Au: 0.50 g/t Au
 Ag: 2.12 g/t Ag



Photo 1: Hydrothermal breccia found in the lithocap



Sample: R01001075
Rock: Qtz-Diorite

Results:
 Cu: 3290 ppm
 Au: 0.31 g/t Au
 Mo: 32.2 ppm



Photo 2: Quartz diorite with B type veining

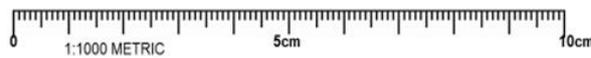


Photo 3: Realgar vein associated with hydrothermal systems

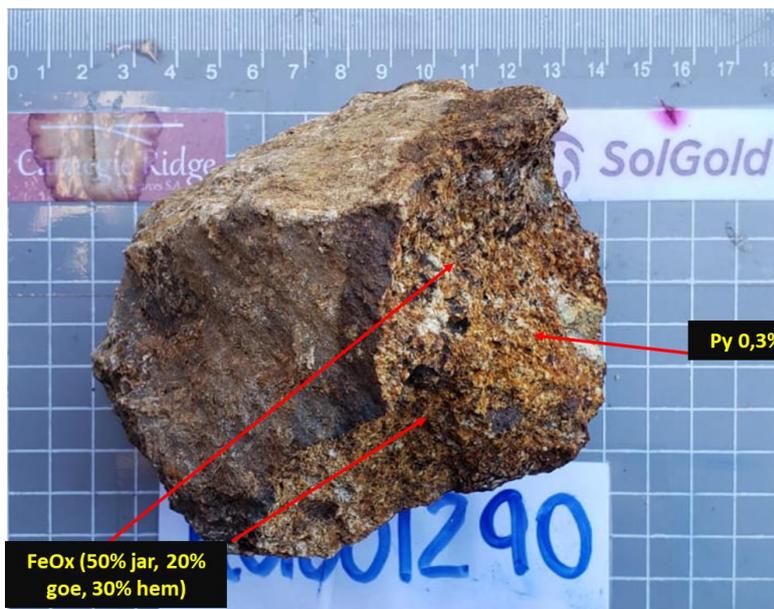
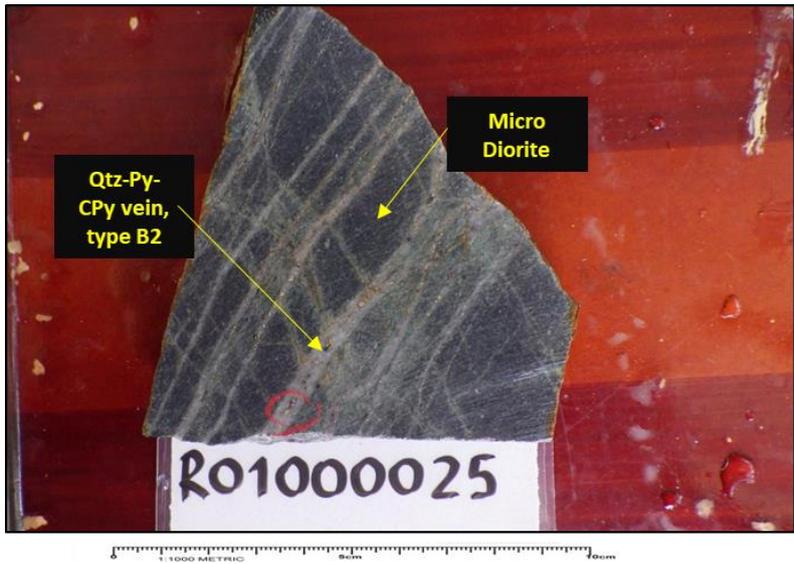


Photo 4: Pasquel Prospect – gold rich iron oxide veins

Río Amarillo, Pasquel Prospect
Sample: R01001290
Rock: Outcrop of FeOx veinlets

Results:
 Cu: 21.6 ppm
 Au: 13.35 g/t Au



Sector: Chalanes
Sample: R01000025

Rock: Micro Diorite

Results:
 Cu: 1830 ppm
 Au: 0.93 g/t Au

Photo 5: Copper gold stockwork B type veins



Photo 6: Pugaran prospect – strongly altered and copper rich with B and D type veining

Sample ID	easting	northing	elevation	Au g/t
R01001290	814971	58823	1742	13.35
R01001294	814900	58852	1761	3.0
R01001298	814900	58840	1756	2.45
R01001295	814791	58863	1779	1.65
R01001293	814930	58800	1175	1.12
R01001297	814929	58792	1754	1.07

Table 1: Significant rock chip results Pasquel Prospect

Sample ID	easting	northing	elevation	Au g/t
R01001018	818460	64085	1365	11.3
R01001019	818381	64198	1362	1.85
R01001006	818300	63713	1481	0.26
R01001003	818436	63548	1521	0.17

Table 2: Significant rock chip results Cuambo Prospect

Sample ID	easting	northing	elevation	Au g/t	Cu %
R01000025	816219	63182	2472	0.93	0.18
R01000026	816206	63194	2441	0.90	0.01
R01000029	816205	63224	2453	0.51	0.13
R01000027	816198	63246	2422	0.50	0.12

Table 3: Significant rock chip results Chilanes Prospect

Sample ID	easting	northing	elevation	Cu %	Au g/t	Mo_ppm
R01001075	814149	62939	2572	0.33	0.31	32.20
R01001089	814176	63068	2515	0.21	0.05	45.00
R01001127	814795	63000	2303	0.21	0.13	6.69
R01001104	814226	63362	2422	0.19	0.21	3.48
R01001078	814138	62903	2587	0.19	0.05	21.90
R01001242	814791	63081	2265	0.18	0.05	0.27
R01001088	814059	62870	2620	0.16	0.23	21.60
R01001068	814167	63004	2537	0.14	0.84	4.66
R01001056	814168	62987	2542	0.12	0.46	5.09
R01001278	814827	63225	2206	0.01	3.17	0.47

Table 4: Significant rock chip results Lithocap area

Sample Id	easting	northing	elevation	sample width (m)	Cu %	Au g/t	Mo_ppm
R01000037	806618	59219	2627	2	0.73	0.20	12.60
R01000038	806633	59167	2639	2	0.40	0.08	20.20
R01000039	806620	59200	2674	2	0.17	0.03	6.93
R01000040	806621	59198	2674	2	0.09	0.03	5.56
R01000041	806605	59210	2679	0.9	0.22	0.04	21.50
R01000042	806622	59197	2673	1.95	0.07	0.08	42.20
R01000043	806624	59197	2673	2.34	0.10	0.10	24.00
R01000044	806625	59197	2671	1.66	0.04	0.08	12.85
R01000045	806627	59196	2671	2.07	0.32	0.08	36.60
R01000046	806628	59195	2670	2.29	0.55	0.14	12.60
R01000047	806628	59193	2670	2.23	0.70	0.29	17.35
R01000048	806630	59191	2670	2.2	0.24	0.10	26.30
R01000049	806632	59190	2670	2.14	0.21	0.04	17.50
R01000051	806632	59188	2670	2	0.30	0.03	11.20
R01000052	806633	59186	2669	2	0.02	0.01	0.86
R01000053	806635	59182	2668	2	0.23	0.11	5.01
R01000054	806635	59181	2668	2.08	0.16	0.04	4.56
R01000055	806636	59179	2667	2.13	0.19	0.03	8.85
R01000056	806636	59178	2667	2.09	0.16	0.03	10.75
R01000057	806637	59176	2667	1.11	0.09	0.10	22.50
R01000058	806638	59175	2667	1.89	0.19	0.07	50.60
R01000059	806637	59173	2666	2.1	0.14	0.04	31.30
R01000060	806638	59171	2665	1.93	0.11	0.17	76.20
R01000062	806639	59170	2664	1.98	0.37	0.14	154.00
R01000063	806640	59168	2664	2.04	0.14	0.06	26.90
R01000064	806640	59166	2664	2.01	0.10	0.03	20.00
R01000065	806640	59164	2663	2.03	0.11	0.02	21.60
R01000067	806615	59202	2675	2	0.16	0.05	8.27
R01000068	806613	59203	2675	2	0.27	0.05	8.41
R01000071	806641	59154	2662	2.1	0.09	0.04	14.25
R01000072	806641	59152	2661	2.03	0.11	0.06	20.50
R01000073	806641	59150	2661	1.92	0.25	0.21	27.00
R01000074	806641	59148	2660	2.05	0.16	0.08	58.90
R01000075	806641	59146	2660	1.98	0.10	0.05	20.70
R01000076	806642	59122	2655	2.08	0.16	0.49	14.20
R01000077	806643	59124	2656	2.14	0.17	0.06	24.40
R01000078	806642	59126	2657	1.92	0.06	0.02	5.63
R01000079	806642	59127	2657	1.96	0.12	0.05	37.50
R01000080	806642	59129	2657	1.98	0.14	0.03	32.80
R01000081	806641	59131	2658	1.87	0.09	0.02	10.90

Sample Id	easting	northing	elevation	sample width (m)	Cu %	Au g/t	Mo_ppm
R01000082	806646	59100	2652	2.3	0.34	0.01	6.33
R01000083	806650	59096	2651	1.75	0.13	0.04	19.50
R01000084	806649	59094	2650	1.7	0.21	0.09	58.30
R01000085	806649	59093	2650	2.1	1.24	0.05	28.00
R01000086	806648	59091	2649	2.3	0.68	0.03	12.50
R01000087	806649	59089	2649	2.2	1.30	0.10	25.00
R01000088	806649	59087	2648	2.45	0.19	0.03	23.30
R01000089	806645	59089	2650	2	0.37	0.04	13.30
R01000090	806644	59090	2651	2	0.41	0.03	32.80
R01000092	806643	59092	2652	2.1	0.24	0.02	25.80
R01000093	806642	59094	2652	1.9	0.18	0.03	27.00
R01000094	806641	59095	2653	1.98	0.24	0.06	67.10
R01000095	806641	59097	2654	1.95	0.40	0.03	52.30
R01000096	806640	59099	2654	2	0.16	0.05	34.40
R01000097	806639	59101	2655	2	0.20	0.06	36.80
R01000098	806639	59102	2655	1.76	0.13	0.08	33.00
R01000099	806640	59104	2655	1.8	0.12	0.06	16.25
R01000101	806640	59106	2655	2.15	0.12	0.08	53.50
R01000102	806640	59108	2656	2	0.14	0.07	32.90
R01000103	806640	59110	2656	2	0.13	0.05	34.60
R01000104	806641	59112	2657	2	0.10	0.04	21.90
R01000105	806641	59114	2657	2	0.09	0.05	35.10

Table 5: Puguran rock saw sampling



Market Abuse Regulation (MAR) Disclosure

Certain information contained in this announcement would have been deemed inside information for the purposes of Article 7 of the Regulation (EU) No 596/2014 until the release of this announcement.

Qualified Person:

Information in this report relating to the exploration results is based on data reviewed by Mr Jason Ward ((CP) B.Sc. Geol.), the Chief Geologist of the Company. Mr Ward is a Fellow of the Australasian Institute of Mining and Metallurgy, holds the designation FAusIMM (CP), and has in excess of 20 years' experience in mineral exploration and is a Qualified Person for the purposes of the relevant LSE and TSX Rules. Mr Ward consents to the inclusion of the information in the form and context in which it appears.

By order of the Board
Karl Schlobohm
Company Secretary



CONTACTS

Nicholas Mather

SolGold Plc (Chief Executive Officer)

nmather@solgold.com.au

Tel: +61 (0) 7 3303 0665

Karl Schlobohm

SolGold Plc (Company Secretary)

kschlobohm@solgold.com.au

Tel: +61 (0) 7 3303 0661

Anna Legge

SolGold Plc (Corporate Communications)

allegge@solgold.com.au

Tel: +44 (0) 20 3823 2131

Gordon Poole / Nick Hennis

Camarco (Financial PR / IR)

solgold@camarco.co.uk

Tel: +44 (0) 20 3757 4997

Andrew Chubb / Ingo Hofmaier

Hannam & Partners (Joint Broker)

solgold@hannam.partners

Tel: +44 (0) 20 7907 8500

Clayton Bush / Trystan Cullen / Laura Hamilton

Liberum Capital Limited (Joint Broker)

solgold@liberum.com

Tel: +44 (0) 20 3100 2222

Ross Allister / James Bavister

Peel Hunt (Joint Broker)

solgold@peelhunt.com

Tel: +44 (0) 20 7418 8900

Follow us on twitter [@SolGold_plc](https://twitter.com/SolGold_plc)



ABOUT SOLGOLD

SolGold is a leading exploration company focussed on the discovery and definition of world-class copper and gold deposits. In 2018 SolGold's management team was recognised by the "Mines and Money" Forum as an example of excellence in the industry, and continues to strive to deliver objectives efficiently and in the interests of shareholders. SolGold is the largest and most active concession holder in Ecuador and is aggressively exploring the length and breadth of this highly prospective and gold-rich section of the Andean Copper Belt.

Dedicated stakeholders

SolGold employs a staff of over 560 and at least 98% are Ecuadorean. This is expected to grow as the operations at Alpala, and in Ecuador generally, expand. SolGold focusses its operations to be safe, reliable and environmentally responsible and maintains close relationships with its local communities. SolGold has engaged an increasingly skilled refined and experienced team of geoscientists using state of the art geophysical and geochemical modelling applied to an extensive data base to enable the delivery of ore grade intersections from nearly every drill hole at Alpala. SolGold has 86 geologists, of which 11% are female, on the ground in Ecuador looking for copper and gold.

About Cascabel and Alpala

The Alpala deposit is the main target in the Cascabel concession, located on the northern section of the heavily endowed Andean Copper Belt, the entirety of which is renowned as the base for nearly half of the world's copper production. The project area hosts mineralisation of Eocene age, the same age as numerous Tier 1 deposits along the Andean Copper Belt in Chile and Peru to the south. The project base is located at Rocafuerte within the Cascabel concession in northern Ecuador, an approximately three hour drive on sealed highway north of Quito, close to water, power supply and Pacific ports (**Figure 1**).

Having fulfilled its earn-in requirements, SolGold is a registered shareholder with an unencumbered legal and beneficial 85% interest in ENSA (Exploraciones Novomining S.A.) which holds 100% of the Cascabel concession covering approximately 50km². The junior equity owner in ENSA is required to repay 15% of costs since SolGold's earn in was completed, from 90% of its share of distribution of earnings or dividends from ENSA or the Cascabel concession. It is also required to contribute to development or be diluted, and if its interest falls below 10%, it shall reduce to a 0.5% NSR royalty which SolGold may acquire for US\$3.5m.

Over 189,984m of diamond drilling has been completed on the project. With numerous rigs currently active on the project, SolGold produces up to approximately 10,000m of core every month. The Cascabel drill program is currently focussed on extending and upgrading the status of the Alpala Resource, as well as further drill testing of the rapidly evolving Aguinaga prospect. Drill testing of the Trivinio target has commenced, whilst the numerous other untested targets, namely at Moran, Cristal, Tandayama-America and Chinambicito, are flagged for drill testing as overall program demands allow.

The November 2018 Alpala MRE update, dated 15 November 2018, was estimated from 68,173 assays. Drill core samples were obtained from total of 133,576m of drilling comprising 128 diamond drill holes, including 75 drill holes comprising, 34 daughter holes, 8 redrills, and 11 over-runs, and represents full assay data from holes 1-67 and partial assay data received from holes 68 to 75. In contrast, the Dec 2017 Maiden MRE was estimated from 26,814 assays obtained from 53,616m of drilling comprising 45 drill holes, including 10 daughter holes and 5 redrills.



The November 2018 Alcala updated Mineral Resource Estimate (MRE) totals a current:

- 2,050 Mt @ 0.60% CuEq (at 0.2% CuEq cut-off) in the Indicated category, and 900 Mt @ 0.35% CuEq (at 0.2% CuEq cut-off) in the Inferred category.
- Contained metal content of 8.4 Mt Cu and 19.4 Moz Au in the Indicated category.
- Contained metal content of 2.5 Mt Cu and 3.8 Moz Au in the Inferred category.

Investors should consult the technical report dated 3 January 2019 for a detailed account of the assumptions on which the estimates were based as well as any known legal, political, environmental and other risks that could materially affect the development of the resources.

Getting Alcala advanced towards development

The resource at the Alcala deposit boasts a high grade core which, in the event of the construction of a mine, is targeted to facilitate early cashflows and an accelerated payback of initial capital. SolGold is currently investigating development and financing options available to the company for the development of Cascabel on reaching feasibility.

The results of the PEA were published on 20 May 2019, highlighting the following key aspects:

- Net Present Value ("NPV") estimates range from US\$4.1Bn to US\$4.5Bn (Real, post-tax, @ 8% discount rate, US\$3.3/lb copper price, US\$1,300/oz gold price and US\$16/oz silver price) depending on production rate scenario.
- Internal Rate of Return ("IRR") estimates range from 24.8% to 26.5% (Real, post-tax, US\$3.3/lb copper price, US\$1,300/oz gold price and US\$16/oz silver price) depending on production rate scenario.
- Pre-production Capex estimated at approx. US\$2.4B to US\$2.8B, and total Capex including life of mine sustaining Capex of US\$10.1B to US\$10.5B depending on production rate scenario.
- Payback Period on initial start-up capital – Range from 3.5 to 3.8 years after commencement of production depending on production rate scenario.
- Preferred Mining Method – Underground low-cost mass mining using Block Cave methods applied over several caves designed on two vertically extensive Lifts.

Full results and all details of the PEA are available in the Company's market release of 20 May 2019.

SolGold's regional push

SolGold is using its successful and cost efficient blueprint established at Alcala, and Cascabel generally, to explore for additional world class copper and gold projects across Ecuador. SolGold is the largest and most active concessionaire in Ecuador.

The Company wholly owns four other subsidiaries active throughout the country that are now focussed on twelve high priority gold and copper resource targets, several of which the Company believes have the potential, subject to resource definition and feasibility, to be developed in close succession or even on a more accelerated basis from Alcala.

SolGold is listed on the London Stock Exchange and Toronto Stock Exchange (LSE/TSX: SOLG). SolGold is listed on the London Stock Exchange and Toronto Stock Exchange (LSE/TSX: SOLG). The Company has on issue a total of 1,846,321,033 fully-paid ordinary shares; 139,012,000 share options exercisable at 60p and 21,250,000 share options exercisable at 40p.

See www.solgold.com.au for more information. Follow us on twitter [@SolGold_plc](https://twitter.com/SolGold_plc)



CAUTIONARY NOTICE

News releases, presentations and public commentary made by SolGold plc (the "Company") and its Officers may contain certain statements and expressions of belief, expectation or opinion which are forward looking statements, and which relate, inter alia, to interpretations of exploration results to date and the Company's proposed strategy, plans and objectives or to the expectations or intentions of the Company's Directors. Such forward-looking and interpretative statements involve known and unknown risks, uncertainties and other important factors beyond the control of the Company that could cause the actual performance or achievements of the Company to be materially different from such interpretations and forward-looking statements.

Accordingly, the reader should not rely on any interpretations or forward-looking statements; and save as required by the exchange rules of the TSX and LSE or by applicable laws, the Company does not accept any obligation to disseminate any updates or revisions to such interpretations or forward-looking statements. The Company may reinterpret results to date as the status of its assets and projects changes with time expenditure, metals prices and other affecting circumstances.

This release may contain "forward-looking information" within the meaning of applicable Canadian securities legislation. Forward-looking information includes, but is not limited to, statements regarding the Company's plans for developing its properties. Generally, forward-looking information can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved".

Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: transaction risks; general business, economic, competitive, political and social uncertainties; future prices of mineral prices; accidents, labour disputes and shortages and other risks of the mining industry. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

The Company and its officers do not endorse, or reject or otherwise comment on the conclusions, interpretations or views expressed in press articles or third-party analysis, and where possible aims to circulate all available material on its website.

The Company recognises that the term "World Class" is subjective and for the purpose of the Company's projects the Company considers the drilling results at the growing Alpala Porphyry Copper Gold Deposit at its Cascabel Project to represent intersections of a "World Class" deposit. The Company considers that "World Class" deposits are rare, very large, long life, low cost, and are responsible for approximately half of total global metals production.



"World Class" deposits are generally accepted as deposits of a size and quality that create multiple expansion opportunities, and have or are likely to demonstrate robust economics that ensure development irrespective of position within the global commodity cycles, or whether or not the deposit has been fully drilled out, or a feasibility study completed.

Standards drawn from industry experts (1) Singer and Menzie, 2010; (2) Schodde, 2006; (3) Schodde and Hronsky, 2006; (4) Singer, 1995; (5) Laznicka, 2010) have characterised "World Class" deposits at prevailing commodity prices. The relevant criteria for "World Class" deposits, adjusted to current long run commodity prices, are considered to be those holding or likely to hold more than 5 million tonnes of copper and/or more than 6 million ounces of gold with a modelled net present value of greater than USD 1 Billion.

The Company and its external consultants prepared an initial mineral resource estimate at the Cascabel Project in December 2017. Results are summarised in **Table B** attached.

The Mineral Resource Estimate was completed from 53,616m of drilling, approximately 84% of 63,500m metres drilled as of mid-December 2017, the cut-off date for the maiden resource calculation. There remains strong potential for further growth from more recent drilling results, and continue rapid growth of the deposit.

Any development or mining potential for the project remains speculative.

Drill hole intercepts have been updated to reflect current commodity prices, using a data aggregation method, defined by copper equivalent cut-off grades and reported with up to 10m internal dilution, excluding bridging to a single sample. Copper equivalent grades are calculated using a gold conversion factor of 0.63, determined using an updated copper price of USD3.00/pound and an updated gold price of USD1300/ounce. True widths of down hole intersections are estimated to be approximately 25-70%.

On the basis of the drilling results to date and the results of the Alpala Maiden Mineral Resource Estimate, the reference to the Cascabel Project as "World Class" (or "Tier 1") is considered to be appropriate. Examples of global copper and gold discoveries since 2006 that are generally considered to be "World Class" are summarised in **Table A**.

References cited in the text:

1. Singer, D.A. and Menzie, W.D., 2010. *Quantitative Mineral Resource Assessments: An Integrated Approach*. Oxford University Press Inc.
2. Schodde, R., 2006. *What do we mean by a world class deposit? And why are they special*. Presentation. AMEC Conference, Perth.
3. Schodde, R and Hronsky, J.M.A, 2006. *The Role of World-Class Mines in Wealth Creation*. Special Publications of the Society of Economic Geologists Volume 12.
4. Singer, D.A., 1995, *World-class base and precious metal deposits—a quantitative analysis*: Economic Geology, v. 90, no.1, p. 88–104.
5. Laznicka, P., 2010. *Giant Metallic Deposits: Future Sources of Industrial Metal, Second Edition*. Springer-Verlag Heidelberg.

Deposit Name	Discovery Year	Major Metals	Country	Current Status	Mining Style	Inventory
LA COLOSA	2006	Au, Cu	Colombia	Feasibility - New Project	Open Pit	¹ 469Mt @ 0.95g/t Au; 14.3Moz Au
LOS SULFATOS	2007	Cu, Mo	Chile	Advanced Exploration	Underground	² 1.2Bt @ 1.46% Cu & 0.02% Mo; 17.5Mt Cu
BRUCEJACK	2008	Au	Canada	Development/Construction	Open Pit	³ 15.6Mt @ 16.1 g/t Au; 8.1Moz Au
KAMOA-KAKULA	2008	Cu, Co, Zn	Congo (DRC)	Feasibility - New Project	Open Pit & Underground	⁴ 1.3Bt @ 2.72% Cu; 36.5 Mt Cu
GOLPU	2009	Cu, Au	PNG	Feasibility - New Project	Underground	⁵ 820Mt @ 1.0% Cu, 0.70g/t Au; 8.2Mt Cu, 18.5Moz Au
COTE	2010	Au, Cu	Canada	Feasibility Study	Open Pit	⁶ 289Mt @ 0.90 g/t Au; 8.4Moz Au
HAIYU	2011	Au	China	Development/Construction	Underground	⁷ 15Moz Au
RED HILL-GOLD RUSH	2011	Au	United States	Feasibility Study	Open Pit & Underground	⁸ 47.6Mt @ 4.56 g/t Au; 7.0Moz Au
XILING	2016	Au	China	Advanced Exploration	Underground	⁹ 383Mt @ 4.52g/t Au; 55.7Moz Au

Source: after MinEx Consulting, May 2017

¹ Source: <http://www.mining-technology.com/projects/la-colosa>

² Source: <http://www.angloamerican.com/media/press-releases/2009>

³ Source: <http://www.pretivm.com/projects/brucejack/overview/>

⁴ Source: <http://www.ivanhoemines.com/projects/kamoa-kakula-project/>

⁵ Source: http://www.newcrest.com.au/media/resource_reserves/2016/December_2016_Resources_and_Reserves_Statement.pdf

⁶ Source: <http://www.canadianminingjournal.com/news/gold-iamgold-files-cote-project-pea/>

⁷ Source: <http://www.zhaojin.com.cn/upload/2015-05-31/580601981.pdf>

⁸ Source: https://mrdata.usgs.gov/sedau/show-sedau.php?rec_id=103

⁹ Source: http://www.chinadaily.com.cn/business/2017-03/29/content_28719822.htm

Table A: Tier 1 global copper and gold discoveries since 2006. This table does not purport to be exhaustive exclusive or definitive.

Grade Category	Resource Category	Tonnage (Mt)	Contained Metal					
			Cu (%)	Au (g/t)	CuEq (%)	Cu (Mt)	Au (Moz)	CuEq (Mt)
Total >0.2% CuEq	Indicated	2,050	0.41	0.29	0.60	8.4	19.4	12.2
	Inferred	900	0.27	0.13	0.35	2.5	3.8	3.2

Table B: Alpala Mineral Resource Estimate updated effective 16 November 2018.

Notes:

- Mr. Martin Pittuck, MSc, CEng, MIMMM, is responsible for this Mineral Resource estimate and is an "independent qualified person" as such term is defined in NI 43-101.
- The Mineral Resource is reported using a cut-off grade of 0.3% copper equivalent calculated using [copper grade (%)] + [gold grade (g/t) x 0.6] based on a copper price of US\$2.8/lb and gold price of US\$1,160/oz.
- The Mineral Resource is considered to have reasonable potential for eventual economic extraction by underground mass mining such as block caving.
- Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability.
- The statement uses the terminology, definitions and guidelines given in the CIM Standards on Mineral Resources and Mineral Reserves (May 2014).
- The MRE is reported on 100 percent basis.
- Values given in the table have been rounded, apparent calculation errors resulting from this are not considered to be material.
- The effective date for the Mineral Resource statement is 16 November 2018.