

## 6M @ 13.11 G/T AU IN NEW CONSTITUTION TO SUPER HANS CORRIDOR

Sunshine Gold Limited (ASX:SHN, "Sunshine Gold", "the Company") is pleased to announce first results from RC drilling at New Constitution, South Constitution, Brigham Young and Galena, prospects of the Triumph Gold Project ("Triumph"). The maiden drilling campaign was completed on 26 March 2021.

#### **HIGHLIGHTS**

 Delineated a new high-grade prospect at South Constitution with intersections from reconnaissance drilling including:

0	21NCRC001	3m @ 2.50 g/t Au from 80m
0	21NCRC006	1m @ 21.91 g/t Au from 135m
0	21NCRC008	6m @ 13.11 g/t Au from 96m

• Further high-grade intersected in New Constitution extensional drilling. Results include:

21NCRC002 1m @ 6.01 g/t from 31m
 and 3m @ 10.30 g/t Au from 64m
 21NCRC003 2m @ 4.55 g/t Au from 64m
 21NCRC004 4m @ 2.20 g/t Au from 168m

Sixty-six hole, maiden drilling campaign totalling 7,126 metres completed safely and as planned on 26 March 2021.

Sunshine Gold's Managing Director, Damien Keys commented: "The early work put into understanding the structural and geochemical architecture at Triumph is now paying dividends. The stunning 6m @ 13.11 g/t Au intersection is from the intensely altered, ~2.4 km long, Super Hans to New Constitution Corridor. It is now evident that this Corridor is significant in size and is underexplored. The Corridor is undrilled for large sections including for 550m to the east of the intersection where it intersects Big Hans and for 200m between the intersection and Super Hans. The drilling along the Corridor confirms the interpretation of a series of north-west oriented, stacked veins.

The Super Hans, Big Hans and New Constitution drilling programs have provided us with a great platform to build on when drilling returns in coming months."



Figure 1. RC Rig drilling at New Constitution



#### **NEW CONSTITUTION**

A total of eight holes (1,082m) were drilled in February and March 2021. All holes returned significant intersections.

Three holes were drilled to assess the mineral potential of an under-explored large, altered, demagnetised zone south of the historic New Constitution lodes, named South Constitution. This zone exists within the main 2.4 km WNW corridor and strikes for 600m between Big Hans (east) to New Constitution (west). The holes intersected:

0	21NCRC008	6m @ 13.11 g/t Au from 17m
0	21NCRC006	1m @ 21.91 g/t Au from 135m
0	21NCRC001	3m @ 2.50 g/t Au from 80m

The remaining five holes were designed to infill and extend mineralisation identified in previous, shallow drilling. Results show that every hole returned significant intersections including:

0	21NCRC002	3m @ 10.30 g/t Au from 64m
0	21NCRC003	2m @ 4.55 g/t Au from 64m
0	21NCRC004	4m @ 2.20 g/t Au from 168m
0	21NCRC007	2m @ 3.58 g/t Au from 135m
0	21NCRC005	1m @ 1.60 g/t Au from 3m

New Constitution has previously been drilled over 200m of strike length from 2015-2018. Mineralisation is interpreted as a series of stacked, short strike length veins that, when combined, have the potential to form a significant system. Southernmost drilling of the New Constitution system previously intersected:

0	TDH136	3m @ 6.28 g/t Au from 53m
0	TDH133	6m @ 4.18 g/t Au from 112m
0	TDH080	2m @ 4.87 g/t Au from 18m

The transition zone between New Constitution and South Constitution has only three holes drilled into 175m of prospective strike. All holes have recorded mineralisation including 2m @ 4.87 g/t Au from 18m (TDH080) to compliment the 21NCRC004 and 21NCRC007 results.



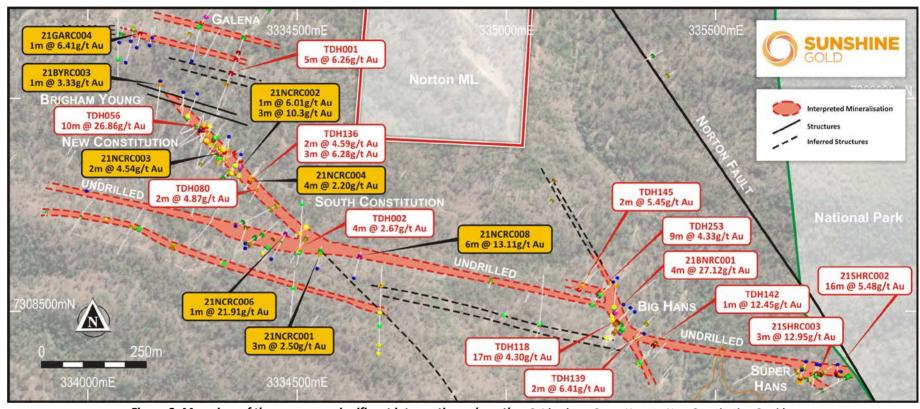


Figure 2. Map view of the numerous significant intersections along the ~2.4 km long, Super Hans to New Constitution Corridor



#### **BRIGHAM YOUNG**

The Brigham Young vein is a WNW striking vein that is interpreted to intersect and potentially offset the northern end of the New Constitution orebody. Three holes were designed to assess the vein, with 21BYRC003 also aiming to intersect any offset position on the New Constitution lodes. Mineralisation was intersected in two of the holes but was unable to be strung together. Infill and step off extensional drilling at New Constitution will be conducted to assist with future Brigham Young interpretation.

Results from the three recent holes include:

o 21BYRC003 1m @ 3.33 g/t Au, 1.1% Pb & 2.3% Zn from 12m

o 21BYRC001 1m @ 1.56 g/t Au from 123m and 2m @ 1.28 g/t Au from 133m

#### **GALENA**

Sunshine Gold geologists located the historic Galena adit. An inspection revealed a discrete vein that had been mined circa 1910. Seven shallow RC holes were designed to assess whether the discrete vein was in fact part of a broader vein network and whether the vein would swell in thickness. Galena was in fact one of several veins that were all less than a metre in thickness.

The most significant results include:

o 21GARC004 1m @ 6.41 g/t Au from 69m

21GARC006 1m @ 1.42 g/t Au from 43m and 1m @ 2.46 g/t Au from 63m

o 21GARC007 1m @ 1.22 g/t Au from 37m

# **NEXT STEPS AT TRIUMPH**

Sunshine Gold is still awaiting results from Super Hans and Big Hans step off drilling completed 26 March 2021. These assays will be integrated into the current 3D orebody wireframes to better inform Triumph Phase 2 drilling. A large geochemical sampling campaign of recent RC drilling will target gaps in the existing datasets. The geochemical data obtained will be characterised for alteration, pathfinder and sulphide type and content.

Drilling is scheduled to recommence in the September 2021 quarter.

### **PLANNED ACTIVITIES**

• **Ongoing**: Release of remaining Triumph drilling results.

• March 2021: Settlement of Ravenswood acquisition.

• April 2021: Commence soils, rock chip sampling and mapping at Ravenswood West.

• April 2021: March 2021 quarterly report.

• May 2021: Commence RC drill testing Dreghorn Goldfield, Ravenswood West.

• May 4-6 2021: Sydney RIU Conference presentation.

• May 2021: Commence soils, rock chip sampling and mapping at Campbell Creek.

July 14-16 2021: Noosa Mining Conference.
 July 2021: June 2021 quarterly report.
 Sept 2021 quarter: Extensional drilling at Triumph.

• Sept 2021 quarter: Maiden drilling campaign at Hodgkinson.



**Table 1.** Collar locations for Sunshine Gold 2021 New Constitution, Brigham Young and Galena Drilling.

Prospect	Hole ID	East	North	RL	Dip	Azi Grid	Depth (m)
	21BYRC001	334262	7309010	159	-60	200	148
Brigham Young	21BYRC002	334229	7309014	154	-60	180	112
	21BYRC003	334174	7309040	157	-50	180	160
	21GARC001	334249	7309087	165	-50	15	124
	21GARC002	334155	7309143	165	-60	15	58
	21GARC003	334148	7309124	165	-60	15	82
Galena	21GARC004	334118	7309119	141	-60	15	100
	21GARC005	334092	7309084	143	-60	15	106
	21GARC006	334104	7309135	155	-60	15	76
	21GARC007	334077	7309132	151	-60	15	76
(New Targets)	21MSRC001	333998	7308779	142	-60	45.5	124
(New Targets)	21MSRC002	334510	7308435	178	-60	45	124
	21NCRC001	334547	7308595	180	-60	10	106
	21NCRC002	334366	7308865	144	-60	180	142
	21NCRC003	334337	7308908	147	-60	180	136
New Constitution	21NCRC004	334353	7308696	167	-50	60.5	178
New Constitution	21NCRC005	334376	7308654	173	-50	55	46
	21NCRC006	334438	7308617	173	-55	35	160
	21NCRC007	334376	7308643	170	-55	50	190
	21NCRC008	334634	7308572	195	-60	10	124

**Table 2.** Significant results from Sunshine Gold 2021 New Constitution, Brigham Young and Galena Drilling.

Prospect	Hole_ID	From	То	Interval	Au_ppm
New Constitution	21NCRC001	57	58	1	2.46
New Constitution	21NCRC001	60	61	1	0.69
New Constitution	21NCRC001	67	69	2	2.41
	inc	68	69	1	3.02
New Constitution	21NCRC001	77	78	1	0.52
New Constitution	21NCRC001	80	83	3	2.50
	inc	80	82	2	3.41
New Constitution	21NCRC002	31	32	1	6.01
New Constitution	21NCRC002	64	67	3	10.30
	inc	64	66	2	14.85
New Constitution	21NCRC002	72	75	3	1.13
	inc	72	73	1	2.33
New Constitution	21NCRC002	105	108	3	2.00
	inc	106	107	1	3.80
New Constitution	21NCRC003	64	66	2	4.55
	inc	65	66	1	8.20
New Constitution	21NCRC003	85	86	1	0.84
New Constitution	21NCRC004	31	32	1	1.25
New Constitution	21NCRC004	145	146	1	2.14
New Constitution	21NCRC004	168	172	4	2.20
	inc	170	171	1	5.45



Prospect	Hole_ID	From	То	Interval	Au_ppm
New Constitution	21NCRC005	3	4	1	1.60
New Constitution	21NCRC005	45	46	1	1.42
New Constitution	21NCRC006	2	4	2	0.66
New Constitution	21NCRC006	50	51	1	0.73
New Constitution	21NCRC006	90	94	4	1.58
	inc	92	93	1	3.30
New Constitution	21NCRC006	97	99	2	0.86
New Constitution	21NCRC006	135	136	1	21.91
New Constitution	21NCRC007	17	19	2	3.58
	inc	17	18	1	6.26
New Constitution	21NCRC007	28	29	1	1.82
New Constitution	21NCRC007	90	93	3	1.16
New Constitution	21NCRC008	96	102	6	13.11
Galena	21GARC001		No	significant intercepts	
Galena	21GARC002	28	29	1	0.61
Galena	21GARC002	31	32	1	0.52
Galena	21GARC003		No	significant intercepts	
Galena	21GARC004	69	70	1	6.41
Galena	21GARC004	88	89	1	0.59
Galena	21GARC005	7	8	1	0.57
Galena	21GARC006	43	44	1	1.42
Galena	21GARC006	46	48	2	0.98
Galena	21GARC006	63	64	1	2.46
Galena	21GARC007	26	27	1	0.62
Galena	21GARC007	37	38	1	1.22
Galena	21GARC007	44	45	1	0.53
Brigham Young	21BYRC001	123	124	1	1.56
Brigham Young	21BYRC001	133	135	2	1.28
Brigham Young	21BYRC002		No	significant intercepts	
Brigham Young	21BYRC003	12	13	1	3.33
Exploration	21MSRC001		No	significant intercepts	
Exploration	21MSRC002		No	significant intercepts	

**ENDS** 



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This ASX announcement is authorised for market release by the Board of Sunshine Gold.

## Competent Person's Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information compiled by Dr Damien Keys, a Competent Person who is a Member of the Australian Institute of Geoscientists (AIG). Dr Keys 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 JORC Code. Dr Keys consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

#### **ABOUT SUNSHINE GOLD**

Sunshine Gold is focused on its high-quality gold and copper projects in Queensland. Following the recent acquisitions of XXXX Gold Pty Ltd and Ukalunda Pty Ltd, Sunshine Gold has secured 100% interest in the Triumph, Hodgkinson, Investigator and Ravenswood West projects.

# Triumph Gold Project (EPM18486, EPM19343: 100%)

Triumph is centred around the historical Norton gold field from which ~20,000 oz of gold was extracted between 1879-1941. The project is located 50km south of the mining hub of Gladstone and comprises two exploration permits covering 138km². Triumph is located within the Wandilla Province of the New England Orogen. Nearby large gold deposits include Mt Rawdon (2.8 Moz Au), Mt Morgan (8 Moz Au and 0.4 Mt Cu) and Cracow (2 Moz Au). Triumph is a 15km² intrusion related gold system which has the potential to host both discrete high-grade vein deposits and large-scale, shear hosted gold deposits.

# Hodgkinson Gold Copper Project (EPM18171, EPM19809, EPM25139, EPM27539, EPM27574, EPM27575: 100%)

Hodgkinson is located 100km north east of Cairns in North Queensland. The project comprises four exploration permits and two exploration lease applications covering 365km². The project is situated between the Palmer River alluvial gold field (1.35 Moz Au) and the historic Hodgkinson gold field (0.3 Moz Au) and incorporates the Elephant Creek Gold, Peninsula Gold-Copper and Campbell Creek Gold prospects. Hodgkinson has been extensively explored for tungsten, owing to its proximity to the Watershed and Mt Carbine tungsten deposits, but underexplored for gold. BHP-Utah International completed stream sediment sampling across the entire tenure in the late 1980's and confirmed that the area was anomalous in gold as well as tungsten.



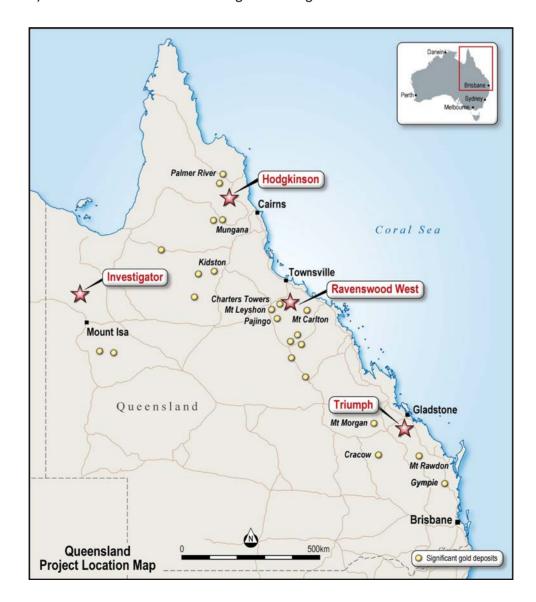
## Investigator Copper Project (EPM27344, EPM27345: 100%)

Investigator comprises two exploration permits covering 115km<sup>2</sup>. It is located 110km north of Mt Isa and 12km south of the Mt Gordon Copper Mine. Investigator has seen no modern exploration and importantly, no holes have been drilled in the most prospective stratigraphic and structural positions.

# Ravenswood West Gold-Copper-Rare Earths Project (EPM 26041, EPM 26152, EPM 26303, EPM 26304)

Ravenswood West is comprised of a significant holding (392 km2) of highly prospective gold-copper ground within 5 kms of the Ravenswood Mining Centre (4 Moz Au produced, a further 4.3 Moz Au in Resource and 1.8 Moz in Ore Reserves). The Ravenswood Mining Centre was purchased by EMR Capital and Golden Energy & Resources Ltd. (SGX:AUE) from Resolute Mining Ltd. (ASX:RSG) in 2020 for up to \$300m and is presently subject to a ~\$200m upgrade. In addition, there are three other gold mills within 100km, two of which are toll treating (Figure 2).

The Project is highly prospective for intrusion-related and orogenic gold, porphyry gold-copper-molybdenum and rare earth elements. Ravenswood West covers 20-25km of strike along a major fault that links Pajingo (4 Moz) and Ravenswood (9.8 Moz) and contains numerous historic gold workings.





# JORC Code, 2012 Edition TABLE 1 – TRIUMPH GOLD PROJECT

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurementtools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul>	Reverse circulation (RC) drilling was used to obtain samples for geological logging and assaying.  Drill holes were sited to test geological interpretation utilising previous drilling results and geophysical & geochemical targets. Individual 1m samples were assayed in altered or mineralised rock, and composites between 2 to 4m in unaltered rock.  Composite RC samples were collected by spearing equal amounts of the bulk sample for each metre interval. Care is taken to ensure the spear transects the bulk sample fully to provide a representative cross-section sample of each metre within the composite.  Individual samples were collected from the cyclone using an 87.5/12.5 rig-mounted splitter.  Once received by the laboratory, sample preparation consisted of the drying of the sample, the entire sample being crushed to 70% passing 6mm and pulverised to 85% passing 75 microns in a ring and puck pulveriser.  RC samples were assayed for gold by 50g fire assay with OES finish and multielement analysis for Ag, As, Bi, Cd, Cu, Fe, Pb, S, Sb and Zn, completed using an ICP-MS analysis.
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	All holes were drilled using Reverse Circulation utilising a 5.5" face sampling RC hammer.
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 thesamples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	For RC sample recoveries of less than approximately 80% are noted in the geological/sampling log. No such samples were recorded during this drill program.  Wet samples are also recorded in the geological/sampling log. Any significant wet zones (>6m) were to be flagged; however no such zones were identified in the drilling.  No relationship has been observed between sample recovery and grade.



Criteria	JORC Code explanation	Commentary
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.  Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.  The total length and percentage of the relevant intersections logged.	All drill holes are geologically logged in full.  Geology logs include lithology, alteration, mineralisation, veining and weathering types, styles and intensities.  All RC chip trays are photographed.
Sub- sampling techniques, sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.  If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.  For all sample types, the nature, quality and appropriateness of the sample preparation technique.  Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.  Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.  Whether sample sizes are appropriate to the grain size of the material being sampled.	The 1m primary RC samples were obtained using a cyclone mounted 87.5:12.5 riffle splitter. Compressed air was used to clean the splitter after each drill rod.  The 2 to 4m composite samples were obtained manually by spearing bulk samples to approximately 1kg weight per interval.  Duplicate samples were taken routinely by spearing the bulk sample for the selected interval.  Samples are recorded if dry or wet when collected from the cyclone.  QAQC samples (Standards, Duplicates, Blanks) were submitted at a frequency of at least 1 in 10.  Sample sizes and preparation techniques are considered appropriate.  The sample sizes are considered to be appropriate for the nature of mineralisation within the project area.
Quality of data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	RC samples were assayed using 50g fire assay for gold which is considered appropriate for this style of mineralisation. Fire assay is considered total assay for gold.  No geophysical tools, spectrometers or handheld XRF instruments have been used to determine assay results for any elements.  Monitoring of results of blanks and standards is conducted regularly. QAQC data is reviewed for bias prior to inclusion in any subsequent Mineral Resource estimate.  Au assays were completed as fire assay analysis and screen fire analysis will be contemplated on a suite of high-grade samples at the end of the drill programme.



Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative companypersonnel.</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>	Significant intersections are routinely monitored through review of drill chip and by site visits by the Exploration Manager.  Data is verified and checked in Leapfrog software.  No drill holes were twinned.  Primary data is collected via hard copy documentation and subsequently entered into spreadsheet format. This is then validated and uploaded to a secure external database, which in turn has further validation checks.  No adjustments have been applied to assay data and is loaded directly from the laboratory deliverable.
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>	Drill hole collar locations are initially set out (and reported) using a hand-held GPS with a location error of +/- 3m. All completed holes are capped and marked and will be accurately surveyed via DGPS at a later date.  The drill rig was aligned at the collar location by the site Geologist using a sighting compass.  Down hole surveys were completed using a Reflex digital survey system routinely at intervals of 15m hole depth, 30m hole depth, and every 30m thereafter to end of hole. Measurements were taken as a pull back from the RC hammer at the midpoint of a non-magnetic stainless-steel rod.  All drilling is conducted on MGA94 Zone 56 grid system.  A topographic survey of the project area has partially been conducted using an in-house drone survey. Collar elevations have not been adjusted to this surface and use the elevation as stated on the GPS device.
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>	The drill holes were sited to test surface geological, geophysical, geochemical and structural targets within a nominal 20m to 40m spaced grid. South Constitution holes are more widely spaced.  Designed drill hole spacing may vary due to logistical reasons, such as available pad locations, and drill hole deviation.  The current drill hole spacing in some locations is of sufficient density to establish geological and grade continuity appropriate for a Mineral Resource. A mineral resource estimate will be considered once further drilling is completed.  No subsequent sample compositing has been applied on the raw assay results for the reported intervals.



Criteria	JORC Code explanation	Commentary
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 deposittype.</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>	The drill holes were orientated in order to intersect the interpreted mineralisation trends as orthogonal (perpendicular) as possible. These trends were determined using surface geology and historical drill hole results.  Future drilling is likely to include diamond core to further assess structural relationships.
Sample security	The measures taken to ensure sample security.	Samples were collected daily in pre-numbered Calico sample bags by the on-site Field Technician and subsequently stored in sealed plastic bags. These were then transported to laboratory upon the completion of 2 – 5 drill holes via a freight company. The samples were stored within a secure freight cage and delivered directly from point of shipping to the laboratory.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	The sampling techniques are regularly reviewed during the program and further review will take place prior to future drilling.



Section 2 – Reporting of Exploration Results (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status  Exploration done by other parties	<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> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	The Triumph project consists of EPM 18486 and EPM 19343, both 100% owned by XXXX Gold Pty Ltd, a wholly owned subsidiary of Sunshine Gold Limited. The tenements are in good standing and no known impediments exist.  ML80035 (covering an area of 0.2km) is located within the project area and is excluded from the tenure.  Exploration is prohibited within a small area of Category B environmentally protected area as well as a National Park shown in Figure 2. The current approved Environmental Authority (EA) allows for advanced exploration activities to occur up to the National Park (NP) boundary.  AMOCO conducted limited exploration focussing on the Bald Hill vein in 1987. Seven RC holes were drilled at Bald Hill. The bulk of exploration across the tenure has been conducted by Metal Bank Limited and subsidiary Roar Resources between 2012 – 2020).  Historical Exploration data and production records were compiled via open file reports accessible via the QLD Geological Survey QDEX system (notably Ball. L.C. 1906. Report on the Norton Goldfields, Queensland Geological Survey Publication 208).
Geology	Deposit type, geological setting and style of mineralisation.	EPM18486 and EPM19343 overlaps the Calliope and Miriam Vale 1:100,000 map sheets.  The style of mineralisation intersected is interpreted to be intrusion-related gold mineralisation within the northern New England Orogen.



Criteria	JORC Code explanation	Commentary
Drill hole information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:  O easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar O dip and azimuth of the hole o down hole length and intercept depth  hole length.	Refer Table 1
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	Unless specified otherwise, a nominal 0.5 g/t Au lower cutoff has been applied incorporating up to 3m of internal dilution below the reporting cut-off grade to highlight zones of gold mineralisation. Refer Table 2.  High grade gold intervals internal to broader zones of mineralisation are reported as included intervals.  No metal equivalent values have been used for reporting exploration results.
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of ExplorationResults.</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 (e.g. 'down hole length, true width not known').</li> </ul>	The geometry of the mineralisation is subject to ongoing interpretation and as such intervals are reported in downhole length only.  Refer JORC Table 1, Section 1.



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 to figures contained within this report.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced, to avoid misleading reporting of Exploration Results.	All results are presented in figures and tables contained within this report.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples — size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other material data is presented in this report.