

# **ASX Announcement**

19 January 2022

# 1.4KM IP Anomaly Associated with Surface Gold Emerging at Horn Island

Advanced gold and copper explorer, Alice Queen Limited (**ASX:AQX**) ("**Alice Queen**" or the "**Company**") is pleased to provide an interim update of its Dipole Dipole Induced Polarisation (**DDIP**) survey at the Company's Horn Island Gold Project, located in the Torres Strait, Queensland.

## **Highlights**

- Interim results indicate an open, large scale DDIP chargeability anomaly (Jedha-1) with a strike length greater than 1.4 km (see Figures 1 and 2) emerging at the Southern Silicified Ridge (SSR) prospect
- The Jedha-1 chargeability anomaly has a **vertical target range from near-surface to greater-than 250m depth below surface** and appears to deepen and broaden to the SE
- Preliminary modelling of the DDIP data indicates the Jedha-1 chargeability anomaly is highly comparable to the Horn Island Resource IP chargeability anomaly
- Jedha-1 is untested by current drilling
- The surface expression of this anomaly is associated with previously identified broad and complex altered stockwork vein zones reporting numerous high-grade chip (>10g/t Au) and channel sampling gold assay results
- Previously completed shallow diamond drilling program of 9 holes for 1,449 metres directly above a portion of this IP anomaly returned multiple assay intercepts >0.5 g/t Au (cut off)
- Metal zonation studies from surface sample data indicates that the Au-Sb enrichment directly above the Jedha-1 anomaly is characteristic of the distal part of a larger mineralised system likely found at depth (see Figure 5)
- The DDIP survey area covers a total distance of 55 line-kms over 11 km² and is expected to be completed in January

## Alice Queen's Managing Director, Andrew Buxton said,



It is likely that Horn Island hosts multiple deposits representing multi-million ounce potential. Our 2022 exploration strategy at Horn Island is to make further discoveries and continue to grow our resource base. DDIP survey with coincident gold has been proven to be a successful target generation tool at Horn Island. From the interim results received, we expect that the large emerging IP anomaly at Horn Island will extend considerably further to the SW. The survey is expected to be complete by the end of this month and with the diamond rig waiting at site, we hope to be drilling for discovery later in February.



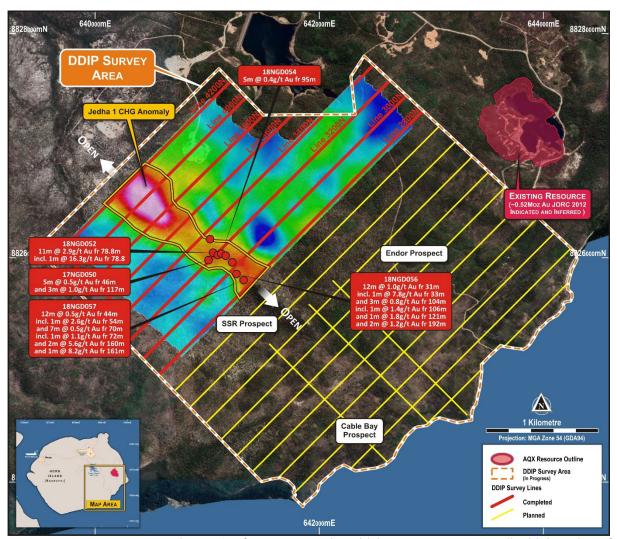


Figure 1. DDIP progress - more than 40% of survey completed (Lines 4200N to 2800N)) with location of Jedha 1 CHG DDIP anomaly, and previously reported shallow drilling Au results (>0.5g/t Au). Overlain with 2D inversion DDIP CHG -145m slice.



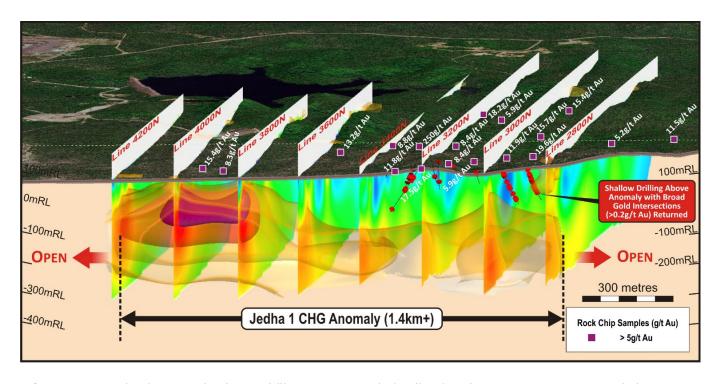


Figure 2. Emerging large scale chargeability DDIP anomaly (Jedha 1) at the SSR prospect. Anomaly is greater than 1.4km and is open to the NW and SE with a vertical target depth range between 50-300m. Presented are previous shallow AXQ drill holes with composite Au intercepts greater than 0.2g/t Au highlighted on the section. 2D INV CHG pseudo sections with 3D isolines (ranging from 10 to 16 milliseconds)



#### Dipole Dipole Induced Polarisation Survey (DDIP) - Interim Results

The ground DDIP survey is now more than 40% complete and is expected to be concluded by the end of January 2022.

The DDIP survey area covers a total distance of 55 line-kms over 11 km². The location of this DDIP survey is from the southwestern edge of the \*Horn Island Mineral Resource area to the Southern Silicified Ridge Prospect (SSR) (See Figure 1).

\*The Mineral Resource Estimate (JORC 2012, Indicated and Inferred) is reported at a > 0.4g/t Au cut off for 16.7Mt at 0.98g/t Au for a total of 524,000 ounces Au (see ASX release 11 November 2021, HORN ISLAND SCOPING STUDY AND MRE).

These interim results have identified an open but well-constrained chargeability anomaly (the Jedha-1 anomaly), which is located within the SSR. The emerging and potentially large-scale anomaly identified is very encouraging and is well-aligned with the Company's strategy to discover additional deposits

Of significance is the location and relationship of the Jedha-1 chargeability anomaly to other prospective near-surface exploration results, which is characteristic of an intrusive-related gold deposit.

- The Jedha-1 chargeability anomaly at SSR displays a similar chargeability response to the previous IP survey, which was completed across the Horn Island gold deposit area and Tatooine anomaly, multiple gold assay intercepts from testing these anomalies were returned.
- Preliminary modelling of the DDIP data indicates that the Jedha-1 chargeability anomaly amplitude is generally greater than 10ms, up to a maximum of 16ms within the northwest part of the anomaly corridor (see Figure 4) and is **highly comparable to the Horn Island Resource** IP chargeability anomaly.
- Surface mapping throughout the SSR prospect and directly above the Jedha-1 chargeability anomaly has defined an extensive sericite altered and veined stockwork zone with an approximate strike length of 3 km. The stockwork zone displays a consistent trend with the underlying chargeability anomaly.
- Surface vein chip sampling above and along the projected trend of this anomaly has **revealed** numerous high-grade gold assays of >10 g/t Au including;
  - o 250.0g/t, 50.5g/t, 19.5g/t, 18.2g/t, 15.7g/t, 15.4g/t, 13.2g/t, & 11.4g/t Au and channels samples including;
  - o 4 m @ 4.20g/t Au incl.1 m @ 11.90 g/t Au
  - o 4 m @ 1.89g/t Au incl. 1.0 m @ 4.08 g/t
  - o 1.5 m @ 6.18 g/t Au incl. 0.5m @ 15.35 g/t and;
  - 1 m @ 8.79 g/t Au (see Figure 3)
- Previous IRG metal zonation studies carried out by Alice Queen of surface soil and rock chip samples indicate an Au-Sb enrichment pattern, suggesting a more-distal relationship to the source intrusion, this may be the key driver for gold. The potential for higher-grade gold to develop at depth and/or along strike remains a strong possibility (see Figure 5).



 Previous shallow diamond drilling across a limited area that commenced in December 2017 above the Jedha-1 chargeability anomaly has returned multiple gold assay intercepts (>0.5 g/t Au) (see Figure 4) including:

Hole	Intersection	Au Grade	From
8NGD052	11.0 m	2.9 g/t Au	78.8 m
including	1 m	16.3 g/t Au	78.8m
18NGD050	5.0 m	0.5 g/t Au	46 m
18NGD050	3 m	1.0 g/t Au	117 m
18NGD056	12 M	1.0 g/t Au	31 m
including	1 m	7.8 g/t Au	33.0m
18NGD056	3 m	0.8 g/t Au	104 m
including	1 m	1.4 g/t Au	106.0m
18NGD056	1 M	1.8 g/t Au	121 m
18NGD056	2 M	1.2 g.t Au	192 m
18NGD057	12 M	0.5 g/t Au	44 M
including	1 m	2.6 g/t Au	54.0m
18NGD057	7 m	0.5 g/t Au	70 m
including	1 m	1.1g/t Au	72M
18NGD057	2 m @	5.6 g/t Au	160 m
including	1 m	8.2 g/t Au	161.0m
18NGD057	12 M	0.5 g/t Au	44 m
including	1 m	2.6 g/t Au	54.0m
18NGD057	2 m	5.6 g/t Au	160 m
including	1 m	8.2 g/t Au	161.0m

- The chargeability envelope correlates with a very distinctive large-scale NW magnetic low trend, similar to the one observed at the Horn Island resource area, indicating magnetite destruction from injection of fault-controlled metal-forming fluids. Large-scale demagnetised and complex fault zones (see Figure 5) have also been interpreted across the Endor prospect and the historic Cable Bay prospect, which are soon-to-be-covered by the near complete second half of the DDIP survey.
- The Jedha-1 chargeability anomaly fits within the Company's conceptual target depth window (see Figure 5), that may represent a zone of intensifying mineralisation and therefore be a strong indicator towards the source intrusion where higher-grade gold may develop.



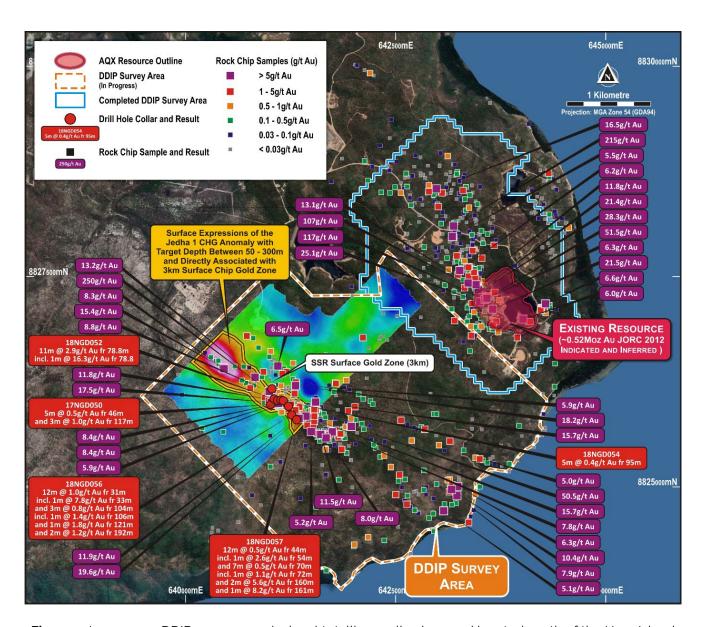


Figure 3. In progress DDIP survey area (11 km2) totalling 55-line kms and located south of the Horn Island resource (~0.52 Moz Au JORC 2012 indicated and inferred) and extending across the 3 km SSR surface gold zone with previously reported rock chip Au results and drilling intercepts (>0.5 g/t Au). Overlain with 2D inversion DDIP CHG -145m slice



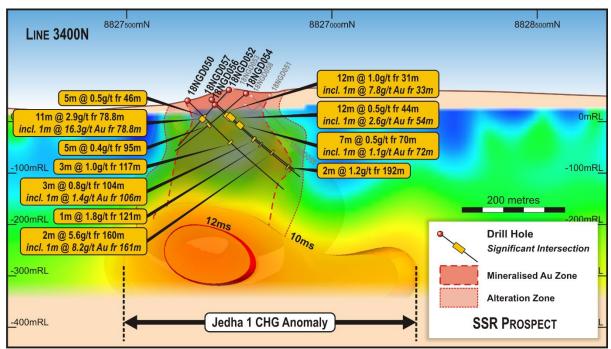


Figure 4. 2D DDIP inversion model chargeability cross section for DDIP survey line 3400N with 3D chargeability iso-surfaces 10ms & 12ms. Projection of previously reported AQX diamond drilling with significant gold assay intercepts > 0.5 g/t Au. These drill holes are located directly above the Jedha-1 chargeability anomaly.

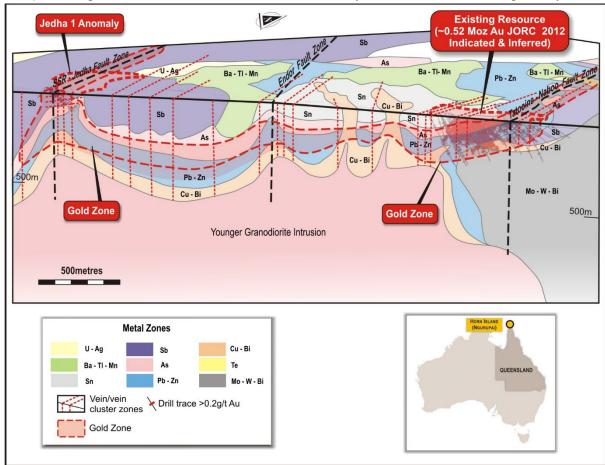


Figure 5. Conceptual 3D IRG metal zonation model outlining source intrusion driving potential gold deposits across the project area between Horn Island Resource and SSR prospect. Sb zone at SSR Prospect distal to the potential main gold zone which has not been drill tested to depth. DDIP survey to evaluate IRG metal enrichment zones associated with major NW and NE fault structures.



#### **Survey Timeline**

- January 2022 Completion of the DDIP Survey
- February 2022 Outcomes and results from the DDIP Survey
- February 2022 March 2022 Commence discovery drill program at Horn Island

#### Approved by the Board of Alice Queen Limited.

#### For more information:

#### **Andrew Buxton**

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#### **Investor and Media Queries**

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#### **Competent Persons Statement**

The information in this announcement that relates to exploration results is based on information compiled by Mr Adrian Hell BSc (Hons) who is a full-time employee of Alice Queen Limited. Mr Hell is a member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Hell has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and the activity being undertaken to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves". Mr Hell consents to the inclusion of this information in the form and context in which it appears in this report.

#### **ASX Listing Rule 5.23 Statement**

The information in this ASX Release that relates to the Company's Mineral Resource estimate is extracted from and was reported in the Company's ASX announcement titled "Horn Island Scoping" Study Outcomes and Mineral Resource Estimate" dated 11th November 2021, which is available at www.asx.com.au the competent person being Mr. Dale Sims who is a chartered Professional Fellow of the Australian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientist. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in those announcements continue to apply and have not materially changed



All information mentioned in this report and relating to previous resource estimates, drilling results, surface sampling, metal zonation studies, geological mapping, airborne geophysical surveys and completed induced polarisation survey have been reported (with JORC tables 1 & 2) in the below ASX releases.

- o ASX Announcement 11th November 2021 titled "Horn Island Scoping Study Outcomes and Mineral Resource Estimate"
- ASX Announcement 30th June 2021 titled "Drilling Confirms New Broad Gold Zone at Horn Island"
- ASX Announcement 28th April 2021 titled "Further Results from Horn Island RC Infill Drilling"
- o ASX Announcement 13th November 2020 titled "Multiple Gold Intercepts Returned from Horn Island Gold Resource Extension Drilling"
- ASX Announcement 6th October 2020 titled "Horn Island St Barbara JV Drilling Commences Ahead of Schedule"
- ASX Announcement 30th June 2020 titled "St Barbara Limited Confirms Fy21 Horn Island Work Program"
- ASX Announcement 23rd January 2020 titled "Exploration Update Horn Island and Northern Molong
- ASX Announcement 28th November 2019 titled "Horn Island JV Surface Sampling Results"
- ASX Announcement 7th October 2019 titled "Horn Island JV Soils and Rock Chip Program Completed"
- ASX Announcement 20th August 2019 titled "Maiden JV Works Program Started at Horn Island"
- AusIMM, FNQ branch Mining Roundup Conference, Cairns, May 2019 Presented by Dr. Gregg Morrison and Adrian Hell titled: Exploration Potential of the Horn Island Gold Project North Queensland
- ASX Announcement 29th May 2019 titled "Metal Zonation Mapping Further Strengthens Horn Island as A Large-Scale Gold Project"
- ASX Announcement 17th October 2018 titled "New Intrusion Related Gold (IRG) Target Zones Identified Across Horn Island"
- ASX Announcement 27th July 2018 titled "Updated Horn Island Major Expansion of Exploration Upside"
- ASX Announcement 7th May 2018 titled "Updated Resource Drilling Bonanza Interval 7m @ 22g/T Au From 30m"
- ASX Announcement 30th April 2018 titled "Further Significant Gold Intersected At SSR"
- ASX Announcement 21st March 2018 titled "High Grade Results Confirm New Gold System At SSR"
- ASX Announcement 24th January 2018 titled "Horn Island Drilling Update"
- ASX Announcement 14th December 2017 titled "Drilling Has Commenced at Southern Silicified Ridge (SSR) - Horn Island"
- ASX Announcement 20th October 2017 titled "Horn Island Phase 2 Resource Drilling Underway"
- ASX Announcement 5th September 2017 titled "Horn Island Maiden Mineral Resource"
- ASX Announcement 22nd August 2017 titled "Horn Island Phase 1 Resource Definition Drilling Assay Results"
- ASX Announcement 20th July 2017 titled "Drilling of The Phase One, Resource Definition Program at Horn Island Is Completed"
- ASX Announcement 14th March 2017 titled "Horn Island Exploration Target Upgrade"
- ASX Announcement 18th January 2017 titled "Horn Island Project Update"
- ASX Announcement 17th November 2016 titled "Metallurgical Test Work at Horn Island Delivers 91.2% Gravity Only Gold Recovery"
- ASX Announcement 6th September 2016 titled "Expanding Gold Footprint and New Target Areas Identified at Horn Island"
- ASX Announcement 19th August 2016 titled "Horn Island Open Pit Mining Potential Gains Traction with Pioneer Lode"
- ASX Announcement 10th June 2016 titled "Results and Exploration Update on Horn Island"
- o ASX Announcement 7th April 2016 titled "Gold Mineralisation Confirmed at Depth & Along Strike"
- ASX Announcement 3rd March 2016 titled "Alice Queen Expands Its Torres Strait Footprint"
- ASX Announcement 26th February 2016 titled "Horn Island Drilling Delivers Further Gold Intercepts"
- ASX Announcement 22nd January 2016 titled "Drilling Intercepts 1 Metre At 108g/T Au at Ngurupai (Horn Island) Project"



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

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

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary	
Sampling techniques		An induced dipole-dipole survey (DDIP) has commenced across Horn Island Project EPM25520. Contractor is Zonge Engineering and Research Organization (Aust) Pty Ltd (Zonge Australia), an independent geophysical acquisition company.	
		Survey covers an approximate 11km <sup>2</sup> area between the Horn Island Resource and extending south across the Southern Silicified Ridge Prospect.	
		The survey employs the following sampling techniques: Time Domain Dipole Dipole Induced Polarisation (DDIP)	
		The DDIP Survey Specifications were as follows:	
		DDIP Survey Equipment	
	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	IP Survey Configuration Dipole-dipole (DDIP)	
		IP Survey Type Time-Domain	
gamma sondes, or handheld XRF instruments, etc.).	Transmitter base frequency 0.125Hz		
	These examples should not be taken as limiting the broad meaning of sampling.	Transmitter current 0.14 to 6.6A	
		Transmitter electrode dipole 200m separation	
		Station Spacing 100m	
		Receiver electrode separation 100m	
		Maximum number of N-levels 16	
		Number of survey lines 21	
		Survey Line separation 200m	
		Effective survey line lengths 2.3km to 3.4km	
		Effective total survey line-km 60km	

Criteria	JORC Code explanation	Commentary
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Presurvey transmitter tests were completed using horizontal and vertical aluminium plate and aluminium foil configurations. All results were comparable returning around 1000ohms. Based on the terrain conditions the 1.2mx1.0m aluminium foil configuration was selected.
	Aspects of the determination of mineralisation that are Material to the Public Report.	No drilling activities reported, this section is not applicable.
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.).	No drilling activities reported, this section is not applicable.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	No drilling activities reported, this section is not applicable.

Criteria	JORC Code explanation	Commentary
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	No drilling activities reported, this section is not applicable.
	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.	No drilling activities reported, this section is not applicable.
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.	No drilling activities reported, this section is not applicable.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography	No drilling activities reported, this section is not applicable.
	The total length and percentage of the relevant intersections logged.	No drilling activities reported, this section is not applicable.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	No drilling activities reported, this section is not applicable.
Sub-sampling techniques and sample preparation	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	No drilling activities reported, this section is not applicable.
Continues	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	No drilling activities reported, this section is not applicable.

Criteria	JORC Code explanation	Commentary
	Quality control procedures adopted for all subsampling stages to maximise representivity of samples.	No drilling activities reported, this section is not applicable.
	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.	No drilling activities reported, this section is not applicable.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	No drilling activities reported, this section is not applicable.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	Data acquired and received using GDD transmitter system  Data were delivered by Zonge Engineering and Research Organization (Aust) Pty Ltd (Zonge Australia), an independent geophysical acquisition on a daily basis. Zonge performed QAQC on the raw data has it was validated from the field operations.  Data was again subject to QAQC by independent geophysical consultant Resource Potentials Pty Ltd  Final data processing and modelling is completed by independent geophysical consultant Resource Potentials Pty Ltd.
	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.	GDD GRX32 IP receiver
Quality of assay data and laboratory tests Continues	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.	System checks performed on instrumentation. Data interrogated for repeatability over multiple records, data acquisition parameters varied to ensure suitable signal to noise levels.
	The verification of significant intersections by either independent or alternative company personnel.	Not reported and not applicable to this work being completed

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	The use of twinned holes.	No drilling activities reported, this section is not applicable.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Data recorded on field instrument and transferred to computer daily. Data sent offsite for review by Zonge and Resource Potential staff  Data inspected for suitable signal strength, repeatability and coherence before being averaged and exported for review and inversion modelling.
	Discuss any adjustment to assay data.	No drilling activities reported, this section is not applicable.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral	Planning of survey station location completed using 'fishnet' processing in ARC Map 10.8 software
	Resource estimation.	Field station locations surveyed using handheld Garmin GPS (+/-5 m).
	Specification of the grid system used.	All locations recorded using map datum GDA94/MGA UTM Zone 54.
	Quality and adequacy of topographic control.	The topographic control is taken from Digital Elevation Model derived from LIDAR data, Queensland State Government 2011 acquisition (+/-1m)
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Station readings were monitored and validated in real time by qualified field technician during survey.
		Station readings were spaced 200m along NE-SW orientation lines
	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.	Survey Lines spacing were at 200m
	Whether sample compositing has been applied.	No drilling activities reported, this section is not applicable.

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Survey orientation is at azimuth bearing 45 degrees towards the NE. This orientation is perpendicular to the main geological trends associated with mineralisation
	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.	No drilling activities reported, this section is not applicable.
Sample security	The measures taken to ensure sample security.	Data were acquired by independent geophysical survey company Zonge Engineering and Research Organization (Aust) Pty Ltd (Zonge Australia), . Zonge performed QAQC on the raw data during capture and initial processing.  Data was again subject to QAQC by independent geophysical consultant Resource Potentials Pty Ltd
Audits or reviews		All data capture, validation and processing indicate high quality consistent readings obtained.
	The results of any audits or reviews of sampling techniques and data.	No data issues have been recognised.
		All data is reviewed by Kauraru Gold Exploration Manager, and independent geophysical consulting companies including Zonge Engineering and Research Organization (Aust) Pty Ltd (Zonge Australia) and Resource Potentials Pty Ltd.

# **Section 2 Reporting of Exploration Results**

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	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.	Kauraru Gold Ltd is the 100% undivided and unencumbered owner of EPM25520 covering the Nguruapi Project.  Kauraru Gold Ltd is a joint venture company between Alice Queen Ltd and the Kaurareg Aboriginal Land Trust. Cadastral title for portions of the historic Horn Island Mine site is held by the Torres Shire Council

Criteria	JORC Code explanation	Commentary
		Other land areas above EPM25520 are held by the Kaurareg Aboriginal Land Trust
	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.	The tenure is in good standing and operations are compliant.  AQX/Kauraru Gold Ltd knows of no impediment to obtaining a licence to operate in the area.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previous explorers include Seltrust Mining Corporation Pty Ltd, BP Minerals, Torres Strait Gold Pty Ltd, Augold NL, Carpentaria Exploration Company Pty Ltd. A modern operation was established by Augold Pty Ltd in 1987 and operated until 1989.  No historic data has been used in this report and therefore not considered material for the purposes of this report.
Geology	Deposit type, geological setting and style of mineralisation.	Geology of the Horn Island Gold Project comprises late stage post mineralised volcanic rocks (dykes) and I-type intrusive granitic porphyry rocks (with a range of recognisable textural and mineralogical phases) of Late Carboniferous to Early Permian age.  Kauraru Gold is targeting Intrusive Related Gold System (IRGS) type deposits.  The Horn Island gold mineralisation is hosted in a series of clustered quartz-sulphide (dominantly pyrite, galena, and sphalerite) vein arrays and stockwork zones, this associated with the Intrusion Related Gold Systems (IRGS) similar to other Australian Nth Qld deposits including Ravenswood, Mt Wright, Kidston or Mt Leyshon.  The vein zones at the deposit scale are formed from localised brittle shear rotational movement. Brittle shear movement subsequently forms a network of dilutional zones which were later filled with mineralised fluids. These dilation zones (vein clusters) display a steep dipping lensoidal geometry. However shallow dipping vein cluster arrays are also observed and typically dominant in areas where enveloping brittle shear zones narrow and merge.  Geochemical and petrographic studies indicate gold is associated with base metal sulphides and also appears as free gold within veins.  Alteration mostly comprises sericite, chlorite to silica. An intense zone of alteration appears central to the resource area associated with the contacts between granite porphyry (QFGP, MFGP) and equigranular granite (EQG) phases. Importantly this alteration zone is considered associated with the main fluid feeder zone for mineralisation. Steeping away from the main alteration zone is very localised alteration associated with veins.

Criteria	JORC Code explanation	Commentary
		A thin rhyolite dyke occurs across the deposit which has little mineralisation.  A late stage and series of post mineralised very thin andesite dykes occur across resource area which crosscut mineralisation. No economic Au-intercepts has been observed within these dykes.  Alice Queen Limited has reported an updated mineral resource estimate (ASX release 11 <sup>th</sup> November 2021) (indicated and inferred) for the Horn Island gold deposit at 16.7Mt at 0.98g/t gold for 524,000 ounces of gold using a 0.4g/t gold cutoff grade.
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 o 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 interception depth hole length.	No drilling activities undertaken during IP survey. Selected previously reported drilling results have been presented in figures with summary of assay intercepts highlighted.
	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.	These are interim results and only processed data presented up to the time of writing this report has been presented only.

Criteria	JORC Code explanation	Commentary
Data aggregation methods	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.	No drilling activities reported, this section is not applicable.
	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.	No drilling activities reported, this section is not applicable.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No drilling activities reported, this section is not applicable.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	No drilling activities reported, this section is not applicable.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	No drilling activities reported, this section is not applicable.
	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').	No drilling activities reported, this section is not applicable.

Criteria	JORC Code explanation	Commentary
Diagrams	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.	Refer to report for all relevant maps, diagrams and tables
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.	No drilling activities reported, this section is not applicable.
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.	Summary results and interpretations from previous drilling, surface sampling and mapping programs have been presented. Reference to ASX releases and appending JORC table 1 and 2 relating to these results are also listed in the report.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).  Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	<ul> <li>January 2022 – Completion of the DDIP Survey</li> <li>February 2022 – Outcomes and results from the DDIP Survey</li> <li>February 2022 – March 2022 - Commence discovery drill program at Horn Island</li> </ul>