



LION ONE ANNOUNCES NEW REGIONAL GOLD DISCOVERY 2 KM NORTHEAST OF TUVATU ALKALINE GOLD PROJECT IN FIJI

Batiri Creek Vein: Surface Channel Sample Returns 13.27 g/t Au over 4.0m

North Vancouver, B.C., August 29, 2022 - Lion One Metals Limited (TSX-V: LIO) (OTCQX: LOMLF) (ASX: LLO) ("**Lion One**" or the "**Company**") is pleased to announce a new regional high grade gold discovery, the Batiri Creek Vein, located in the Navilawa Caldera 2 km northeast of the Company's 100% owned, fully permitted Tuvatu Alkaline Gold Project in Fiji.

The Batiri Vein discovery is credited to the Lion One Fiji exploration team's regional benching and surface sampling program targeting new gold bearing systems in under-explored regions peripheral to Tuvatu in the surrounding Navilawa Caldera.

The new structure is characterized by an intense zone of veining on a lithological contact between monzonite and andesite, with two significant N-S and NE-SW oriented structural intersections (Figure 1). The lithological contact and structural intersections observed in the Batiri Vein are comparable to the lithological contact and structural intersections observed from deep extensional drilling in the 500 Zone below the Tuvatu resource (Figure 2), where Lion One recently reported the longest and highest-grade intercepts yet recovered at Tuvatu, including **20.86 g/t Au over 75.90m** from TUG 141 (see NR dated June 6, 2022) and **12.22 g/t Au over 54.90m** including **20.10m @ 23.03 g/t Au** from TUDDH 601 (see NR dated Aug. 15, 2022).

Highlight intercepts from surface benching/channel sampling program include:

Surface Channel: Batiri Vein (CH3047-CH3048)

- **13.27g/t Au over 4.0m at surface including:**
 - **36.10 g/t Au over 1.0m and**
 - **17.91 g/t Au over 0.80m**
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Other results from the Batiri Vein include:

- **Channel CH2765 with 2.63g/t Au over 1.0m**
- **Channel CH2834 with 3.32g/t Au over 0.3m**
- **Channel CH2789 with 3.54g/t Au over 0.3m**
- **Channel CH2946 with 3.42g/t Au over 0.4m**
- **Channel CH3073 with 3.32g/t Au over 1.0m**

Lion One is planning a regional drill program for the Batiri Vein target. The Company now has eight drill rigs, with the pending delivery of the latest two rigs expected around mid-September. The Company currently has two drilling programs underway, including Zone 5 infill drilling on the Tuvatu resource, and deep extensional drilling in Zone 500 below the Tuvatu resource. The Company has now drilled approximately 6,100 meters, about 75% of the planned infill drilling on Zone 5 and expects to announce the results from previously unreleased holes in the near future.

Lion One technical advisor Quinton Hennigh stated, “Tuvatu and the wider Navilawa Caldera are part of a classic alkaline gold system. As we know, from geologically comparable world class systems, such as Porgera in PNG or Cripple Creek in Colorado, these kinds of deposits are not isolated and there is potential for multiple zones of mineralisation within the gold camp. The new discovery on the Batiri Vein presents the potential for such a new discovery.”

Lion One CEO Walter Berukoff further stated, “The new discovery at surface on the Batiri Vein is very encouraging and I congratulate the regional exploration team for their persistence. Whilst the Tuvatu Gold Project is the core of our development, any new discoveries in the immediate vicinity will play a major role in the development of a high-grade gold district. We look forward to following up this new discovery with diamond drilling very soon.”

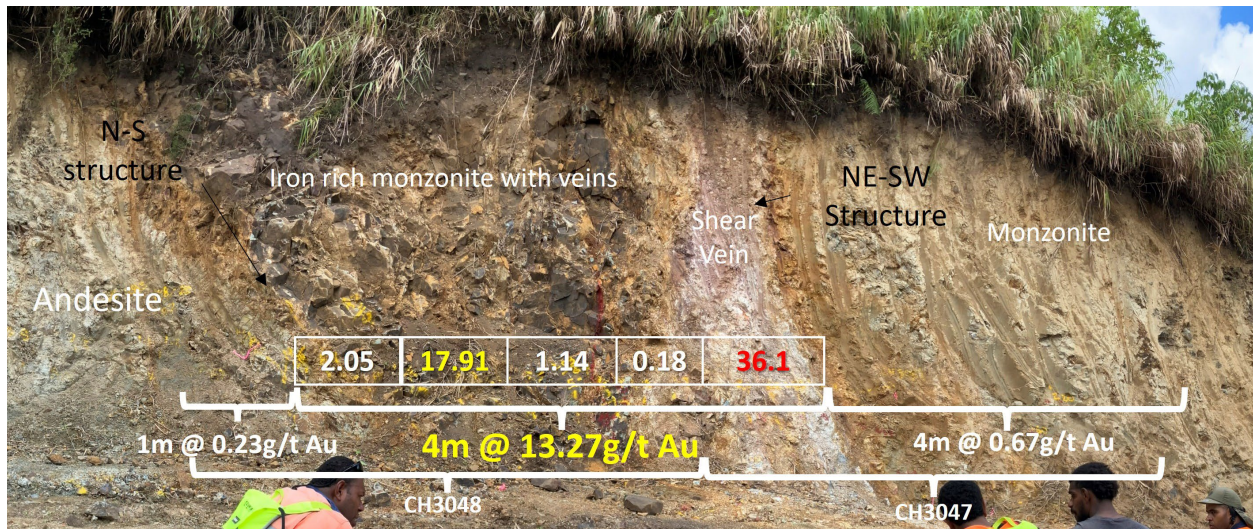


Figure 1. Photograph and channel sampling results of Batiri Vein (channel CH3047-3048)

Channel ID	Sample ID	North	East	Azimuth	Dip	Interval (m)	Gold (g/t)
CH2765	TUS018561	3922198	1877370	90	0	1.00	2.63
CH2789	TUS018718	3922222	1877504	275	0	0.30	3.54
CH2834	TUS019089	3921956	1877605	160	30	0.30	3.32
CH3073	TUS020638	3922347	1878124	150	0	1.00	3.32
CH2946	TUS019741	3921886	1877731	130	0	0.40	3.42
CH3047/3048		3922281	1878078	120	0	4.00	13.67
<i>including</i>	TUS020444	3922281	1878078	120	0	1.00	36.10
	TUS020446			115	0	0.80	1.14
	TUS020447			115	0	0.80	17.91
	TUS020448			115	0	0.80	2.05

Table 1: Batiri Bench Channel Samples (Grid = Fiji Map Grid WGS72) Survey handheld GPS with accuracy +/-8m. Pending survey using differential GPS.

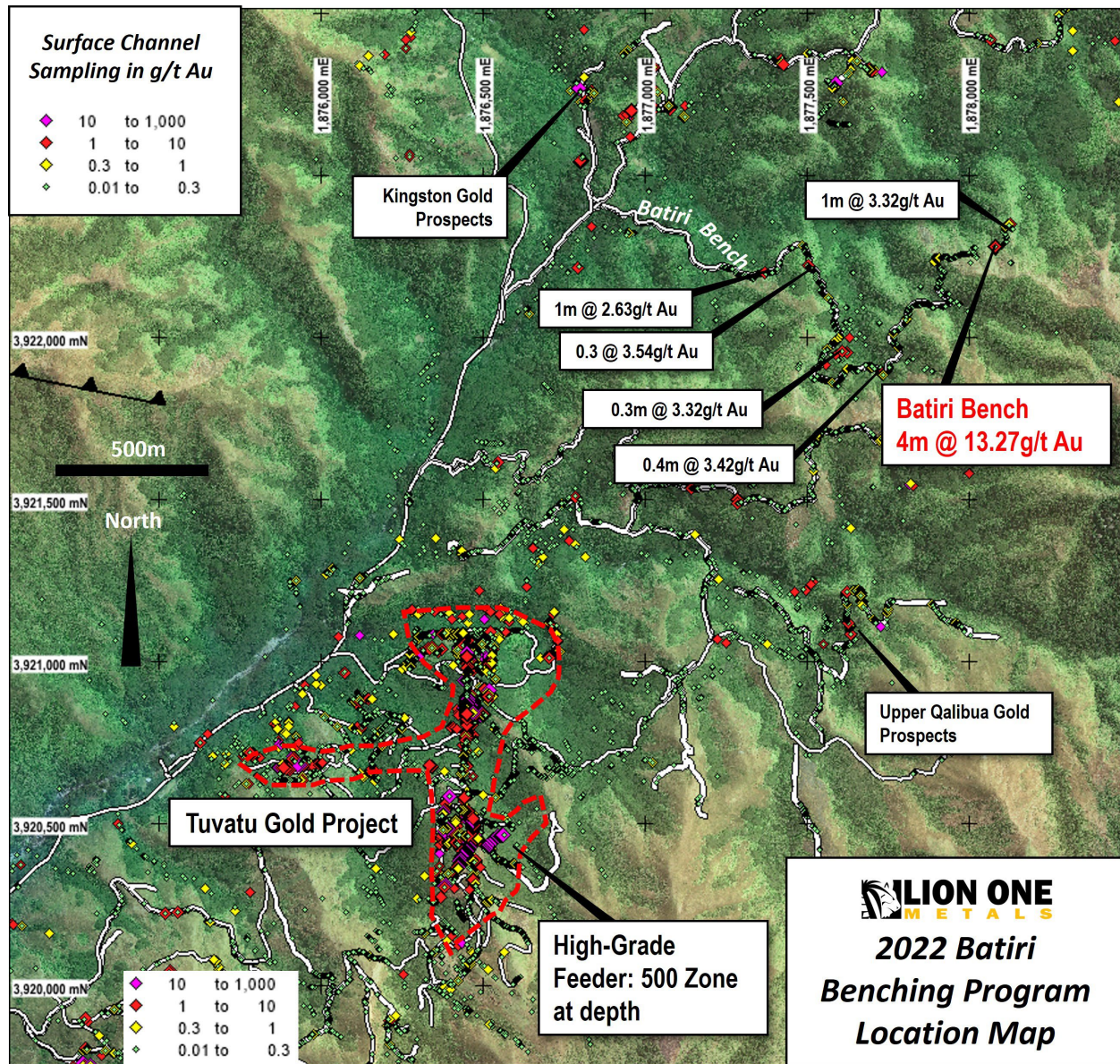


Figure 2. Map showing surface channel sampling at Batiri Vein relative to the Tuvatu Gold Deposit

Qualified Person

In accordance with National Instrument 43-101 – Standards of Disclosure for Mineral Projects (“NI 43-101”), Sergio Cattalani, P.Geo, Senior Vice President Exploration, is the Qualified Person for the Company and has reviewed and is responsible for the technical and scientific content of this news release.



QAQC Procedures

Lion One adheres to rigorous QAQC procedures above and beyond basic regulatory guidelines in conducting its channel sampling, drilling, testing, and analyses. For Channel Sampling, Company geologists first map the bench, and then measure and mark-up sample intervals based on geological structure. Samples are delivered to and analysed at the Company's geochemical and metallurgical laboratory in Fiji. Duplicates of all samples with grades above 0.5 g/t Au are both re-assayed at Lion One's lab and delivered to ALS Global Laboratories in Australia (ALS) for check assay determinations. All samples for all high-grade intercepts are sent to ALS for check assays. All samples are pulverized to 80% passing through 75 microns. Gold analysis is carried out using fire assay with an AA finish. Samples that have returned grades greater than 10.00 g/t Au are then re-analysed by gravimetric method. For samples that return greater than 0.50 g/t Au, repeat fire assay runs are carried out and repeated until a result is obtained that is within 10% of the original fire assay run. For samples with multiple fire assay runs, the average of duplicate runs is presented. Lion One's laboratory can also assay for a range of 71 other elements through Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES), but currently focuses on a suite of 9 important pathfinder elements. All duplicate anomalous samples are sent to ALS labs in Townsville QLD and are analysed by the same methods (Au-AA26, and Au-GRA22 where applicable). ALS also analyses for 33 pathfinder elements by HF-HNO₃-HClO₄ acid digestion, HCl leach and ICP-AES (method ME-ICP61).

About Lion One Metals Limited

Lion One's flagship asset is 100% owned, fully permitted high grade Tuvatu Alkaline Gold Project, located on the island of Viti Levu in Fiji. Lion One envisions a low-cost high-grade underground gold mining operation at Tuvatu coupled with exciting exploration upside inside its tenements covering the entire Navilawa Caldera, an underexplored yet highly prospective 7km diameter alkaline gold system. Lion One's CEO Walter Berukoff leads an experienced team of explorers and mine builders and has owned or operated over 20 mines in 7 countries. As the founder and former CEO of Miramar Mines, Northern Orion, and La Mancha Resources, Walter is credited with building over \$3 billion of value for shareholders.

On behalf of the Board of Directors of

Lion One Metals Limited

"Walter Berukoff"

Chairman and CEO

For further information

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This press release may contain statements that may be deemed to be "forward-looking statements" within the meaning of applicable Canadian securities legislation. All statements, other than statements of historical fact, included herein are forward looking information. Generally, forward-looking information may be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "proposed", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases, or by the use of words or phrases



which state that certain actions, events or results may, could, would, or might occur or be achieved. This forward-looking information reflects Lion One Metals Limited's current beliefs and is based on information currently available to Lion One Metals Limited and on assumptions Lion One Metals Limited believes are reasonable. These assumptions include, but are not limited to, the actual results of exploration projects being equivalent to or better than estimated results in technical reports, assessment reports, and other geological reports or prior exploration results. 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 Lion One Metals Limited or its subsidiaries to be materially different from those expressed or implied by such forward-looking information. Such risks and other factors may include, but are not limited to: the stage development of Lion One Metals Limited, general business, economic, competitive, political and social uncertainties; the actual results of current research and development or operational activities; competition; uncertainty as to patent applications and intellectual property rights; product liability and lack of insurance; delay or failure to receive board or regulatory approvals; changes in legislation, including environmental legislation, affecting mining, timing and availability of external financing on acceptable terms; not realizing on the potential benefits of technology; conclusions of economic evaluations; and lack of qualified, skilled labour or loss of key individuals. Although Lion One Metals Limited 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. Accordingly, readers should not place undue reliance on forward-looking information. Lion One Metals Limited does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

JORC Code 2012 Table 1

The following extract from the JORC Code 2012 Table 1 is provided for compliance with the Code requirements for the reporting of Mineral Resources:

‘JORC Code 2012 Table 1’ Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none">• Nature and quality of sampling (eg cut channels, random chips, or specific specialized 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.• Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.• Aspects of the determination of mineralization that are Material to the Public Report. In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1m samples from which 3kg was pulverized to produce a 30g 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 mineralization types (eg submarine nodules) may warrant disclosure of detailed information	<ul style="list-style-type: none">• Samples are chip-channels in near surface material collected sub-orthogonal to dominant structural directions. Samples are collected by field-assistants under the supervision of a qualified and experienced geologist.• All sample widths are measured with tape measure and recorded.• Surface material is weathered and unconsolidated, and as such the sample is collected to be representative of the interval. However, as this is a manual process, some bias to preference soft material may be introduced. All subsequent significant results are re-inspected in the field to ensure that visible signs of mineralization are coincident with results.• All samples and visible geology is logged into the standard company template.

Drilling techniques

Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, multishot camera, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face- sampling bit or other type, whether core is oriented and if so, by what method, etc).

- Drilling not reported in this release.

Drill sample recovery	<ul style="list-style-type: none"> • Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximize sample recovery and ensure representative nature of the samples. • 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. 	<ul style="list-style-type: none"> • Drilling not reported in this release.
Logging	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • All chip channels are logged for lithology and veining. • Logging is qualitative. • 100% of chip-channels are logged.
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • 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 maximize the 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. 	<ul style="list-style-type: none"> • Sample intervals vary as determined by the geologist logging the channel depending on the visual potential to host mineralization. • The channel samples are bagged on site in sealed bags, placed in bound poly weave bags for transport, and then transported to the laboratory. • Samples are transported to Lion One's custom built geochemical and metallurgical laboratory at its Fiji Head office at Waimalika in Nadi, Fiji, where they are processed and assayed. • Check samples are sent to Australian Laboratory Services Pty Ltd. (ALS), in Queensland, an independent accredited analytical laboratory. • All samples were finely crushed (>75% passing through -2 mm) and a 1 kg split then pulverized (>85% passing through -75 µm). • Field QAQC procedures included the insertion of 4% certified reference 'standards' and 2% field duplicates for channel sampling

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Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> Whether sample sizes are appropriate to the grain size of the material being sampled. 	<ul style="list-style-type: none"> A sample size of between 2.5 and 4.5 kg is collected, depending on the length of the sample interval. This size is considered appropriate, and representative of the material being sampled given the width and continuity of the intersections, and the grain size of the material being collected.
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 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. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	<ul style="list-style-type: none"> Samples are assayed at Lion One's custom built geochemical and metallurgical laboratory at its Fiji Head office at Waimalika in Nadi, Fiji, where they are processed and assayed. Once dried and pulverized, diamond samples were analyzed using a 30g charge lead collection Fire Assay with AAS finish. This is an industry standard for gold analysis. All samples are then analyzed for a range of 9 elements with an aqua regia digest and ICP-OES finish (including Ag, As, Cu, Fe, Pb, Se, Te, V, and Zn). Lion One's laboratory is able to assay for 71 elements via ICP-OES but restricts that number to the 9 main pathfinder elements at this point in time. Other elements are determined on an as required basis. Check samples are also submitted to Australian Laboratory Services (ALS) in Townsville, Australia for analysis. These samples are analyzed for a range of 36 elements with an aqua regia digest and ICP-MS finish (including Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sr, Te, Th, Ti, U, V, W, Zn). No geophysical tools have been used at Tuvatu during this stage of work. Field QAQC procedures include the insertion of both field duplicates and certified reference 'standards'. Assay results have been satisfactory and demonstrate an acceptable level of accuracy and precision. Laboratory QAQC involves the use of external certified reference standards, as well as blanks, splits and replicates. Analysis of these results also demonstrates an acceptable level of precision and accuracy. Laboratory QAQC procedures include the insertion of certified reference 'standards'. Assay results have been satisfactory and demonstrate an exceptional level of accuracy and precision. Lion One Laboratory QAQC involves the use of external certified reference standards. The laboratory is using the Geostats Certified Reference Standards. For the field samples, four different gold CRM standards supplied by independent laboratories have been used by Lion One for quality control in this channel sampling. These standards are submitted for every 20 samples. Oxide CRMs for channel sampling show a high level of variability and this is currently being investigated by the laboratory. However, as visual mineralization is also observed in the reported channels, the reported results are within the expected range for this project. Field blanks are obtained from within the vicinity of the project by selecting an unmineralized outcrop of similar mineralogy and weathering as the sample being submitted. A representative number of blank material samples are submitted for analysis to provide reference concentrations of elements of interest. Duplicates are split by laboratory after sample preparation and are reported on in the process.

Verification of sampling and assaying	<ul style="list-style-type: none"> • The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data. 	<ul style="list-style-type: none"> • Channel samples and any significant intersections were visually field verified by Company geologists. • The channels are regularly reviewed by Competent Person • No twinned channels have been completed in this set of results. • No adjustments to assay data have been undertaken. • Primary data, including geological logs and assay results are forwarded to rOREdata Perth, an independent company, for validation and entry into an Access database. This database is managed by rOREdata, and cannot be altered by anyone within Lion One, or any other external party without approval of Competent Person. Regular reviews and validation of the database are undertaken. Occasionally errors of location or survey or geological logging are picked up and result in approved updates to the database
Location of data points	<ul style="list-style-type: none"> • 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. • Specification of the grid system used. • Quality and adequacy of topographic control. 	<ul style="list-style-type: none"> • All coordinates are presented in Fiji Map Grid (WGS72). • Channels are initially surveyed with hand-held GPS with an accuracy of $\pm 8\text{m}$ (as presented). Differential GPS survey by a qualified survey is pending.
Data spacing and distribution	<ul style="list-style-type: none"> • Data spacing for reporting of Exploration Results. • 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. • Whether sample compositing has been applied. 	<ul style="list-style-type: none"> • All bench to channel sampling areas are reviewed and mapped. Benches are located based on exploration targets and accessibility in steep terrain. This work is insufficient for mineral resource estimate, and regular pattern drilling is required. • Sample compositing, as well as original assays/intervals are presented in the body of the release.
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> • Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	<ul style="list-style-type: none"> • Channel samples are located orthogonal or semi orthogonal to observed apparent geological structure. • Any geological structure sub-parallel to the bench face is noted. • With relevance to the reported results, the true width approximates the actual reported width.

Criteria	JORC Code explanation	Commentary
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<ul style="list-style-type: none"> The following specific security measures were used during the life of the Tuvatu project. Visible free gold is rare and off-site laboratories have been used throughout. Benches remain open and can be re-assayed to check results. Chain of custody is managed by Lion One. Core is cut and sampled in the presence of at least one geologist and two or three field technicians. Samples are bagged and sealed on site, and then transported to the Lion One office in Fiji (16 km away), where they are processed and analysed. For check samples to be sent to ALS in Australia, the samples are inspected by the Fiji Mineral Resources Department (MRD), before an export licence is granted. The samples to be sent to ALS in Australia are then collected by DHL couriers, and internationally recognized courier transport company, who subsequently transport them to Australia for sample analysis.
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	<ul style="list-style-type: none"> The process of channel sampling has been audited and reviewed by Dr. Darren Holden of GeoSpy Pty Ltd. This was reported in the Company's NI 43-101 report. Whilst there is potential for sample bias, for the purpose of surface prospecting, the channel sampling of weathered benches and the standard operation procedure is considered appropriate. The database is available for review.

'JORC Code 2012 Table 1' 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	<ul style="list-style-type: none"> 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. The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area. 	<ul style="list-style-type: none"> The Tuvatu Project is situated in Fiji on granted Mining License SML62. Lion One has a 100% interest in the tenement. The area surrounding Tuvatu is also held by Lion One and includes four Special Prospecting Licenses (SPL1283, 1296, 1465 and 1512). Lion One has 100% interest in these tenements. The tenements are in good standing and no known impediments exist.
Exploration done by other parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<ul style="list-style-type: none"> The tenement area has been previously explored by a number of other companies and has been referenced in a number of Lion One news releases and independent technical reports. The details are not applicable to reporting of these results.
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralization. 	<ul style="list-style-type: none"> Tuvatu deposit is one of several alkaline gold systems situated along the >250 km Viti Levu lineament in Fiji. The majority of mineralization is hosted by late Miocene to early Pliocene monzonite which has intruded the late Oligocene – middle Miocene volcanic breccias. The Tuvatu deposit is structurally controlled and occurs as a series of sub- vertical lodes, shallow dipping lodes and stockworks. Individual "lodes" can have strike length in excess of 500 m and vertical extent often only limited by the depth of drilling; and range from less than 1 m to 9 meters in width. The mineralogy is predominantly quartz, pyrite, and occasional base metal sulphides. A high proportion of gold occurs as very fine free gold or intimately associated with pyrite grains.

Drill hole information	<ul style="list-style-type: none"> • A summary of all information material to the under-standing of the exploration results including a tabulation of the following information for all Material drill holes: • easting and northing of the drill hole collar • elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar • dip and azimuth of the hole • down hole length and interception depth • hole length • 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. 	<ul style="list-style-type: none"> • All channel logistics of those holes reported in this news release include: <ul style="list-style-type: none"> - easting and northing of channel location - elevation
Data aggregation methods	<ul style="list-style-type: none"> • 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. • 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. • The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> • All reported assays have been length weighted if appropriate. No top cuts have been applied. A nominal 0.5 g/t Au lower cut off has been applied. • High grade gold (Au) intervals lying within broader zones of Au mineralization are reported as included intervals. In calculating the zones of mineralization, internal dilution has been allowed.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported. 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'). 	<ul style="list-style-type: none"> The reported intersections are orthogonal to sub-orthogonal to structure. These structures are pending drilling and the true width reported may vary.
Diagrams	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Diagrams and tables included in the body of this release.
Balanced Reporting	<ul style="list-style-type: none"> 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. 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. 	<ul style="list-style-type: none"> All channels were surveyed initially with hand-held GPS with following up differential GPS survey pending. Coordinates are relative to Fiji map grid. Aerial topographic data was collected in 2013 with new drone elevation model collected in 2022. Detailed surveys have also been undertaken by independent survey companies in Fiji. Results from the DGPS are compared with this topographic data as a double check.
Other substantive exploration data	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> No other substantive exploration data relative to these results are available for this area.
Further work	<ul style="list-style-type: none"> 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 style="list-style-type: none"> Significant results will be followed up with further channel sampling, and if warranted drilling.

‘JORC Code 2012 Table 1’ Section 3 Estimation and Reporting of Mineral Resources

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

Criteria	JORC Code explanation	Commentary
Database integrity	<ul style="list-style-type: none"> <i>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</i> <i>Data validation procedures used.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results. That said, discussion of database integrity has been included in previous Section 1.
Site visits	<ul style="list-style-type: none"> <i>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</i> <i>If no site visits have been undertaken indicate why this is the case.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results. That said, site visits have been undertaken by Competent Person for both resource estimation and exploration.

Geological interpretation	<ul style="list-style-type: none"> • <i>Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.</i> • <i>Nature of the data used and of any assumptions made.</i> • <i>The effect, if any, of alternative interpretations on Mineral Resource estimation.</i> • <i>The use of geology in guiding and controlling Mineral Resource estimation.</i> • <i>The factors affecting continuity both of grade and geology.</i> 	<ul style="list-style-type: none"> • Details not applicable to reporting of exploration results. • That said brief discussion on geology is included in Section 1.
Dimensions	<ul style="list-style-type: none"> • <i>The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</i> 	<ul style="list-style-type: none"> • The dimensions of mineralization identified in this area to date cannot be determined by the data which have been collected and will require further drilling.
Estimation and modelling	<ul style="list-style-type: none"> • <i>The nature and appropriateness of the estimation technique(s) applied and key assumptions,</i> 	<ul style="list-style-type: none"> • Details not applicable to reporting of exploration results.

Criteria	JORC Code explanation	Commentary
techniques	<p>including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.</p> <ul style="list-style-type: none"> • The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data. • The assumptions made regarding recovery of by-products. • Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterization). • In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed. • Any assumptions behind modelling of selective mining units. • Any assumptions about correlation between variables. • Description of how the geological interpretation was used to control the resource estimates. • Discussion of basis for using or not using grade cutting or capping. • The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available. 	<ul style="list-style-type: none"> • ICP multi-element geochemical data is collected for all sampled intervals assayed by Lion One's own custom made geochemical and metallurgical laboratory in Fiji. Check samples are sent to ALS Laboratories in Australia where a larger range of elements are analyzed. To date, there does not appear to be any significant deleterious elements.
Moisture	<ul style="list-style-type: none"> • Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content. 	<ul style="list-style-type: none"> • Details not applicable to reporting of exploration results
Cut-off parameters	<ul style="list-style-type: none"> • The basis of the adopted cut-off grade(s) or quality parameters applied. 	<ul style="list-style-type: none"> • Details not applicable to reporting of exploration results
Mining factors or assumptions	<ul style="list-style-type: none"> • Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and 	<ul style="list-style-type: none"> • Details not applicable to reporting of exploration results

Criteria	JORC Code explanation	Commentary
	<i>parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.</i>	
Metallurgical factors or assumptions	<ul style="list-style-type: none"> <i>The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results
Environmental factors or assumptions	<ul style="list-style-type: none"> <i>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results
Bulk density	<ul style="list-style-type: none"> <i>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</i> <i>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</i> <i>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results
Classification	<ul style="list-style-type: none"> <i>The basis for the classification of the Mineral Resources into varying confidence categories.</i> <i>Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</i> <i>Whether the result appropriately reflects the Competent Person's view of the deposit.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results.
Audits or reviews	<ul style="list-style-type: none"> <i>The results of any audits or reviews of Mineral Resource estimates.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results
Discussion of relative accuracy/ confidence	<ul style="list-style-type: none"> <i>Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</i> 	<ul style="list-style-type: none"> Details not applicable to reporting of exploration results

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> • <i>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</i> • <i>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</i> 	