

## LION ONE COMMENCES MINING ON SECOND LODE SYSTEM AT TUVATU

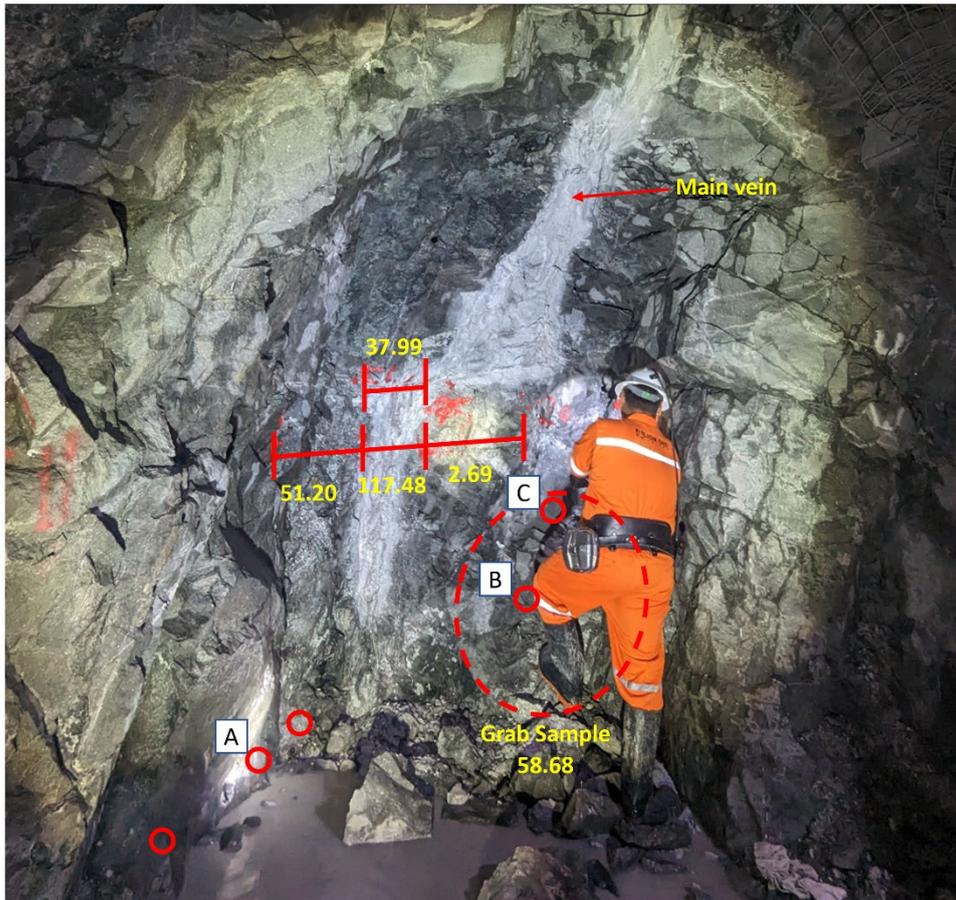
### High-Grade Assays Received from the First Cut on URW1 Lode

North Vancouver, B.C., May 19, 2023 - Lion One Metals Limited (TSX-V: LIO) (OTCQX: LOMLF) (ASX: LLO) ("Lion One" or the "Company") is pleased to announce that it has commenced mining on the URW1 lode at its 100% owned Tuvatu Alkaline Gold Project in Fiji.

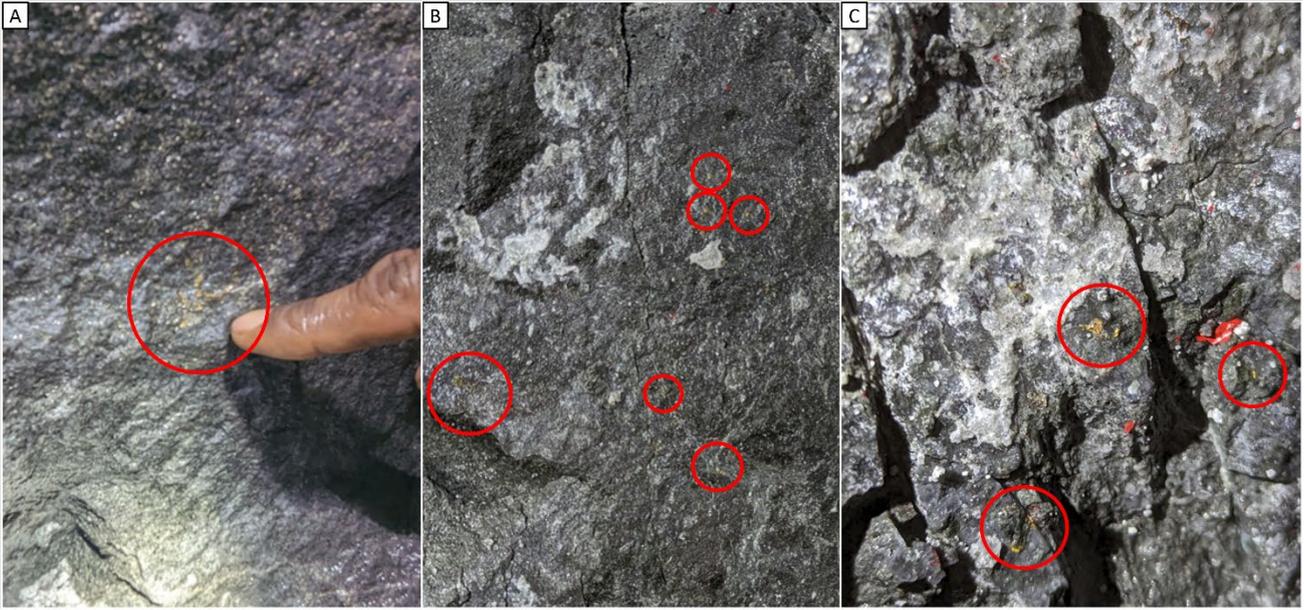
Strike driving has reached the URW1 Lode and the first underground images of the lode have been received (Figure 1). The initial intersection of the lode revealed one primary vein and numerous stockwork style veins. Visible gold was observed in multiple locations on the face of the lode and within four different fracture orientations (Figure 2). Three of these fracture orientations are sub-parallel to the grade control drill axis and would therefore be difficult to identify given their orientation relative to the grade control drilling (Figure 3). A sample line was completed perpendicular to the main vein, and a grab sample was collected from the foot of the face.

Highlights of the initial face sampling on URW1 are as follows:

- 51.20 g/t Au over 0.56 m
- 117.48 g/t Au over 0.19 m
- 37.99 g/t Au over 0.19 m
- 58.68 g/t Au (grab sample)



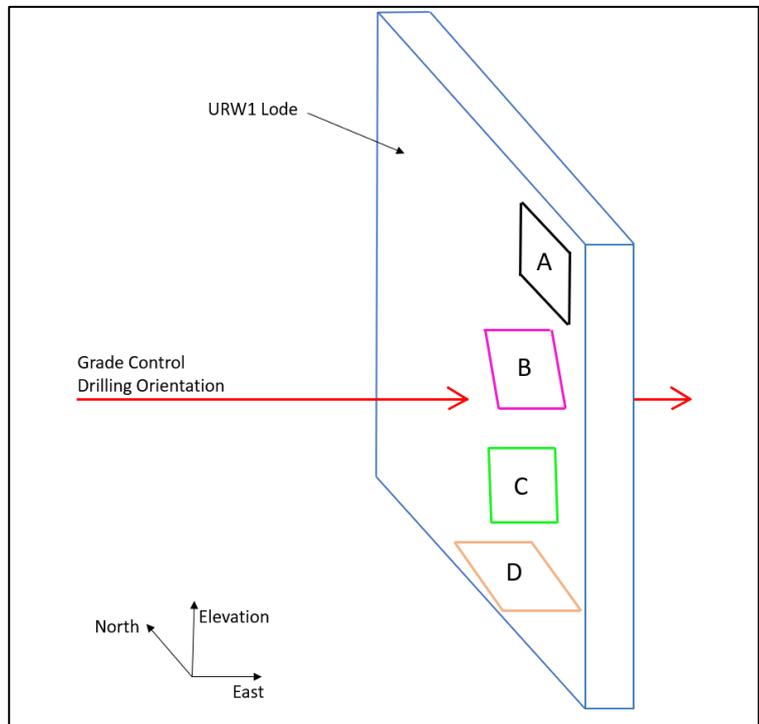
**Figure 1. URW1 face and select samples.** Face of URW1. Red lines indicate the approximate locations and widths of select chip samples collected from the sample line, dashed red circle indicates the approximate location of the grab sample, and small red circles indicate the locations of visible gold on the face. Gold grades in g/t are indicated in yellow.



**Figure 2. Visible gold.** A), B), C) Close-ups of visible gold highlighted in Figure 1, with gold circled in red. Width of each image is approximately 10-15cm.

**CAUTIONARY STATEMENT**

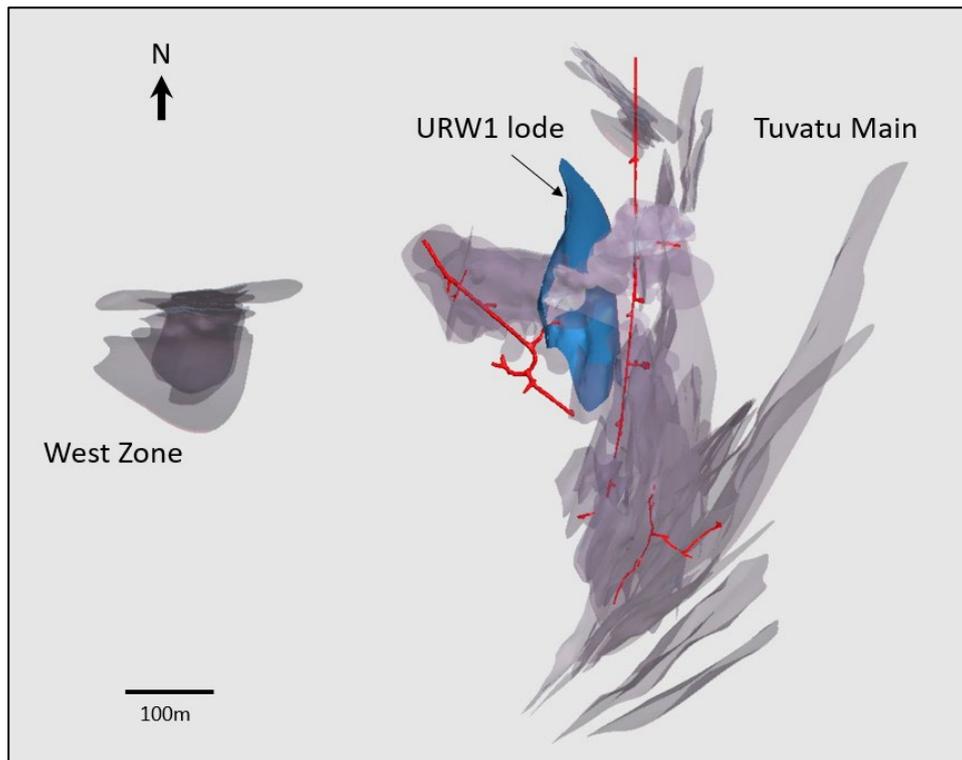
Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where metal concentrations or grades are the factors of principal economic interest. Visual estimates also potentially provide no information regarding potential impurities or deleterious physical properties relevant to valuations of some mineral commodities such as graphite and many industrial minerals.



**Figure 3. Fracture orientations vs orientation of grade control drilling.** Grade control drilling (red arrow) is oriented perpendicular to the URW1 lode (blue rectangle). Shapes A, B, C, and D represent the approximate orientations of the gold bearing fractures within the URW1 lode. Orientations B, C, and D are sub-parallel to the axis of the bulk of the grade control drilling and are therefore difficult to identify. The approximate orientations of these fractures are as follows: A) sub-parallel to the main lode, B) striking E-W and dipping steeply to the south, C) striking E-W and subvertical dip, and D) sub-horizontal with variable dip directions.

Lion One Chairman and CEO Walter Berukoff commented: “We are excited to have started mining our second lode at the Tuvatu gold mine, especially so soon after we started mining our first lode. Without the diligence and hard work performed by our geology and engineering teams in Fiji we could not have located the lode as successfully and as accurately as we did.

“We are extremely pleased with the amount of coarse-grained gold visible on the face of the lode, which is even more than was anticipated. Following our initial sampling of the face, and due to the presence of visible gold in multiple fracture orientations, we are optimistic that the overall grade of the URW1 lode could end up being even higher than what the grade control drilling has suggested. We continue to learn more about the Tuvatu system as we open the system up underground, and we are beginning to see how well-endowed the Tuvatu system truly is. Just like the discovery of the URA1 lode on our initial drive underground, the system continues to provide surprises to the upside as our underground developments progress.”



**Figure 4. Location of URW1 Lode within Tuvatu.** Plan view of the Tuvatu Main and West Zone deposits, with the URW1 Lode highlighted in blue. Underground developments are shown in red, and the other lodes within the Tuvatu Main and West Zones are shown in grey.

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### **About Tuvatu**

The Tuvatu Alkaline Gold Project is located on the island of Viti Levu in Fiji. The January 2018 mineral resource for Tuvatu as disclosed in the technical report “Technical Report and Preliminary Economic Assessment for the Tuvatu Gold Project, Republic of Fiji”, dated September 25, 2020, and prepared by Mining Associates Pty Ltd of Brisbane Qld, comprises 1,007,000 tonnes indicated at 8.50 g/t Au (274,600 oz. Au) and 1,325,000 tonnes inferred at 9.0 g/t Au (384,000 oz. Au) at a cut-off grade of 3.0 g/t Au. The technical report is available on the Lion One website at [www.liononemetals.com](http://www.liononemetals.com) and on the SEDAR website at [www.sedar.com](http://www.sedar.com).

### **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 sampling, drilling, testing, and analyses. The Company utilizes its own fleet of diamond drill rigs, using PQ, HQ and NQ sized drill core rods. Drill core is logged and split by Lion One personnel on site. Samples are delivered to and analyzed 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 85% 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-analyzed 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. 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 analyzed by the same methods (Au-AA26, and Au-GRA22 where applicable). ALS also analyses 33 pathfinder elements by HF-HNO<sub>3</sub>-HClO<sub>4</sub> 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*

### **Contact Investor Relations**

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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.*

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

### Section 1 Sampling Techniques and Data

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

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Criteria	JORC Code explanation	Commentary
<p><b>Sampling techniques</b></p>	<ul style="list-style-type: none"> <li><i>Nature and quality of sampling (eg 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.</i></li> <li><i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i></li> <li><i>Aspects of the determination of mineralisation that are Material to the Public Report.</i></li> <li><i>In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.</i></li> </ul>	<p><b>DRILLING</b> Core drilling, logging, and sampling at Tuvatu proceeded as follows:</p> <ul style="list-style-type: none"> <li>Diamond drillholes prefixed TUDDH are drilled from the surface, whilst those prefixed TUG are drilled from the underground. Holes TGC prefix are grade-control holes. All holes are completed with diamond drilling methods.</li> </ul> <p>The diamond drill holes included in the release, were drilled as follows:</p> <ul style="list-style-type: none"> <li>Lithological logging included rock type, mineralogy, weathering, alteration, texture, grainsize, lodes and geotechnical data where relevant.</li> <li>Each tray of drill core was photographed.</li> <li>Zones of mineralization defined by alkaline rich veining and brecciation, plus or minus sulphides or iron oxides after sulphides; are sampled selectively to minimize the effects of dilution by barren host rock. This selective sampling means sample intervals can vary from 15 cm to over 1 m in length. At least one meter of core on either side of a mineralized section is also sampled.</li> <li>Samples are composited where there is more than one consecutive &gt;0.5 g/t Au interval.</li> <li>Sample intervals were marked up on site.</li> <li>For exploration &amp; resource holes: Half core of all sampled intervals are cut by diamond saw and sent for assay.</li> </ul>

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Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>For grade control holes: core is not cut and the entire core is available for assay.</li> <li>Drillholes were downhole surveyed using a Champ Discoverer Camera of Axis Mining Technology either by single or multishot data. Hole surveys were carried out at 10m, 30m, 60m, and at every 30m thereafter.</li> <li>Core recovery is generally high, averaging over 95%.</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>Underground development drives are mapped for geological structure and lithology</li> <li>The underground faces are marked up with paint and located geological structures</li> <li>A cut-channel using air-chisel or hammer and chisel is taken across the face either horizontally (for sub-vertical lodes), or perpendicular to structure (main URW1 lode reported in this lease is sub-vertical)</li> <li>In some cases, where the vein exhibits variable width or geological structure in the face, several channels and/or grab samples are taken for verification.</li> <li>The Company is currently experimenting with several methods for collecting samples from rises, including sampling the roof (backs) of the rise and the walls of the rise.</li> </ul>
<p><b>Drilling techniques</b></p>	<ul style="list-style-type: none"> <li><i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, 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).</i></li> </ul>	<p><b>EXPLORATION &amp; RESOURCE DRILLING</b></p> <ul style="list-style-type: none"> <li>In some cases, diamond drilling used PQ3 core for up to 85.5 meters of unconsolidated, partly weathered or fresh material before converting to HQ3 core for the remainder of the drill hole. Other holes were collared with HQ or NQ core drilling.</li> <li>Core is orientated using ChampOri Tool of Axis Mining Technology; the core is marked using a pointed red permanent marker. Orientations are carried out continually or as the nature of the core allows.</li> </ul>

Criteria	JORC Code explanation	Commentary
		Champ Discoverer Camera of Axis Mining Technology either by single or multishot data. Hole surveys were carried out at 10m, 30m, 60m, and at every 30m thereafter. <b>GRADE CONTROL DRILLING</b> <ul style="list-style-type: none"> <li>Grade control drilling is carried out using NQ core</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <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 the samples.</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>	<ul style="list-style-type: none"> <li>Diamond drill core sample recovery was measured and recorded during the drilling and logging process. In general, very little sample loss has been noted once the surface unconsolidated material has been drilled through.</li> <li>In places where it is believed core loss may be greater than expected, triple tube diamond drilling is carried out.</li> <li>Sample recoveries are generally high. No significant sample loss was recorded with a corresponding increase in Au present. No sample bias is anticipated and no preferential loss/gain of grade material was noted.</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<b>EXPLORATION / RESOURCE DRILLING / GC DRILING</b> <ul style="list-style-type: none"> <li>Lion One personnel geologically and geotechnical log the core on a continuous basis. Geological logs are of the detail to support appropriate Mineral Resource estimation. Lion One's Competent Person is managing the improvement of geotechnical logging of the core</li> <li>Diamond drill core logging database records collar details, collar metadata, downhole surveys, assays, weathering, lithology, alteration, Geotech, SG data and Lode tags.</li> <li>All drill holes were logged in full.</li> <li>All drill core is photographed.</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	<b>EXPLORATION / RESOURCE DRILLING</b> <ul style="list-style-type: none"> <li>All diamond core samples are logged on site and then mineralized intervals are half cored.</li> <li>Sample intervals vary as determined by the geologist logging the hole depending on the visual potential to host mineralization.</li> <li>The core samples are bagged on site in sealed bags, placed in bound poly weave bags for transport.</li> </ul>

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	<ul style="list-style-type: none"> <li>• <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li>• <i>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.</i></li> <li>• <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Check samples are sent by courier airfreight to Australian Laboratory Services Pty Ltd. (ALS), in Queensland, an independent accredited analytical laboratory.</li> <li>• All samples were finely crushed (&gt;75% passing through -2 mm) and a 1 kg split then pulverized (&gt;85% passing through -75 µm).</li> <li>• Field QAQC procedures included the insertion of a minimum of 2% certified reference ‘standards’ and 2% field duplicates for all drilling.</li> <li>• The same side of the half core is always collected.</li> <li>• 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.</li> </ul> <p><b>GRADE CONTROL DRILLING:</b></p> <ul style="list-style-type: none"> <li>• Core is photographed</li> <li>• Grade control drilling core is not cut prior to sampling, with cutting only for duplicate assay checks</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>• Underground faces are mapped for structure and visible signs of mineralization.</li> <li>• Sub-sampling is based on geological control.</li> <li>• In cases where variable geological structure is observed taken, several channels are taken for checks. These can show variability.</li> <li>• A standard width of 0.5m sample is established in the operating procedures, however, in cases of narrow structures, a minimum width of 0.3m is established.</li> </ul>



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<p><b>Quality of assay data and laboratory tests</b></p>	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>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.</i></li> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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, Tl, U, V, W, Zn).</li> <li>• No geophysical tools have been used at Tuvatu during this stage of work.</li> <li>• Field QAQC procedures include the insertion of both field duplicates and certified reference ‘standards’. Laboratory QAQC involves the use of external certified reference standards, as well as blanks, splits and replicates. Analysis of these results demonstrates an acceptable level of precision and accuracy.</li> <li>• 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.</li> <li>• For the field samples, four different gold CRM standards supplied by Ore Research &amp; Exploration Pty Ltd Australia have been used by Lion One for quality control in this core sampling. These standards are submitted at minimum one for every 50 samples. .</li> </ul>

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<p><b>Verification of sampling and assaying</b></p>	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Duplicates are split by laboratory after sample preparation and are reported on in the process.</li> </ul> <p><b>DRILLING</b></p> <ul style="list-style-type: none"> <li>• All drill holes and any significant intersections were visually field verified by Company geologists.</li> <li>• Diamond drill holes are reviewed by Competent Person prior to logging and once assays have been received.</li> <li>• No twinned holes have been completed in this set of results.</li> <li>• No adjustments to assay data have been undertaken.</li> <li>• Primary data, including geological logs and assay results are centralized and controlled by a dedicated data manager.</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>• Check channels are collected.</li> <li>• No adjustments to assay data have been undertaken.</li> <li>• As noted in the body of the release, visible gold is observed in hand specimen and corroborates high-grade results.</li> </ul>
<p><b>Location of data points</b></p>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<p><b>DRILLING</b></p> <ul style="list-style-type: none"> <li>• All drill hole collars were surveyed using differential GPS (DGPS) equipment. Coordinates are relative to Fiji Map Grid. A down hole survey was taken at 10m, 30m, 60m, and at every 30m thereafter using a Champ Discoverer Camera of Axis Mining Technology either by single or multishot data. Hole surveys were carried out by the drilling crew.</li> <li>• Aerial topographic data was collected in 2013. Detailed ground 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.</li> <li>• Lion One has used an NSS-MOSS-I-TS16 to allow it to even more accurately locate collars on the surface and potentially</li> </ul>

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		<p>underground. This equipment will allow accuracy within 10 mm.</p> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>Underground samples, development faces and workings are surveyed by a qualified surveyor and recorded for XYZ position to a centimetric locational accuracy.</li> </ul>
<p><b>Data spacing and distribution</b></p>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>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.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<p><b>DRILLING</b></p> <p>The drill spacing for the reported exploration results are variable due to the rugged topography.</p> <ul style="list-style-type: none"> <li>Although collar positions are variable due to the topography, the intersections are part of a program to develop drill spacings approximately 30-40 meters apart on section and plan view.</li> <li>It has yet to be determined whether the mineralized domains have sufficient continuity in both geology and grade to be considered appropriate for the Mineral Resource and Ore Reserve estimation procedures and classification applied under the 2012 JORC Code, but the drill program is ongoing and the results of subsequent drilling will clarify this matter.</li> <li>Sample intervals are variable and sample lengths can vary from 15 cm to over 100 cm. Reported intersections are then composited. Intersections in excess of 0.5 g/t Au are included over the variable thicknesses. Reported intervals are drill thicknesses.</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>Face sampling is taken at every cut where geological structure is observed ~2m intervals.</li> <li>Samples are composited for reporting purposes as disclosed in the body of the release.</li> </ul> <ul style="list-style-type: none"> <li>Data spacing, with geological mapping is sufficient to establish geological and grade continuity</li> </ul>
<p><b>Orientation of data in relation to geological structure</b></p>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>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.</i></li> </ul>	<p><b>DRILLING</b></p> <ul style="list-style-type: none"> <li>Drilling sections are orientated perpendicular to the strike of the mineralized host rocks where possible, but due to the rugged topography, it is often difficult to locate drill collars in the preferred or ideal location. The drilling is angled at -54° to -81° degrees for the surface diamond drill holes, and -30° to -60° degrees for the underground drill holes, to allow for the preferred distance between intersections, and where possible is targeting zones approximately perpendicular to the dip of the lodes. Once again due to the rugged topography the location of collars and the dips of the holes aren't always ideal.</li> </ul>

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Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>No orientation-based sampling bias has been identified in the data</li> <li>In the case of GC drilling, where geological control and sample spacing allows, true width estimates are reported in the body of the release.</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>Samples reported are from ‘strike driving’ by following the vein with underground workings.</li> <li>Channels are collected horizontally (for sub-vertical structures) or in some cases perpendicular to structure for shallow dipping structures.</li> <li>Results reported approximately to true width.</li> </ul>
<p><b>Sample security</b></p>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<p><b>DRILLING</b></p> <ul style="list-style-type: none"> <li>The following specific security measures were used during the life of the Tuvatu project.</li> <li>Visible free gold is rare and off-site laboratories have been used throughout.</li> <li>Half core splits of drill core are retained on site. This core is well catalogued and is available for inspection.</li> <li>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 analyses. 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.</li> <li>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.</li> </ul> <p><b>UNDERGROUND SAMPLING</b></p> <ul style="list-style-type: none"> <li>Samples are collected under the supervision of a qualified geologist.</li> <li>Samples are bagged and secured and are taken to the Company’s laboratory.</li> </ul> <ul style="list-style-type: none"> <li>Sample results (assays) are loaded into an onsite relational database which is managed by a dedicated database manager.</li> </ul>
<p><b>Audits or reviews</b></p>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>Sampling techniques have been subject to audits and reviews by independent geologists including advisor to the Company, Darren</li> </ul>



Criteria	JORC Code explanation	Commentary
		<p>Holden of GeoSpy Pty Ltd, a Fellow of the AusIMM and competent person under JORC.</p> <ul style="list-style-type: none"><li>• Data is routinely reviewed by company geologists and database manager. Other reviews include periodical reviews by external consultants during resource estimation processes.</li></ul>

Remaining Sections “Section 2 Reporting of Exploration Results”, “Section 3 Estimation and Reporting of Mineral Resources”, “Section 4 Estimation and Reporting of Ore Reserves” are not applicable to this release.

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