

# **ASX RELEASE**

ASX RELEASE 8 November 2021

ASX CODE: ICL

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## **ICENI GOLD EXPLORATION UPDATE**

## Syenite Discovery at Deep Well

### Exploration

Iceni Gold Limited (Iceni or the Company) has identified 7 key **high priority** target areas at the ~600km<sup>2</sup> tenement package around 14 Mile Well, situated on the western side of Lake Carey, ~ 50km from Laverton WA.

#### **Deep Well: Discovery of Syenite Intrusion**

The presence of a **syenite intrusion** has been confirmed in the drill core from **Deep Well**.

These observations are highly encouraging as syenite is a well-documented prerequisite in the formation of many large gold deposits.

Dr Walter Witt (ex. GSWA and UWA) has been engaged by the Company to complete a geological study on the drill core from Iceni's 14 Mile Well project. Dr Witt has extensive experience working with **syenite related gold** mineralisation in the Eastern Goldfields of Western Australia and has over 30 years of experience working with **intrusion related mineralised systems**, both here and internationally.

Dr Witt has identified several types of intrusions at **Deep Well**, including **hydrothermally altered syenite** in the diamond core. Within the Laverton District there is a strong association between syenite intrusions and gold mineralisation. For example, Heffernan's, Jupiter, Cameron Well and Wallaby are known to be hosted or associated with syenite intrusions (see **Figure 3**).

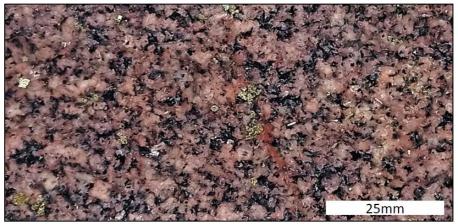


Figure 1: Mineralised Syenite from 379m in FMDD0008, at Deep Well. The specimen hosts brassy yellow cubic pyrite throughout.



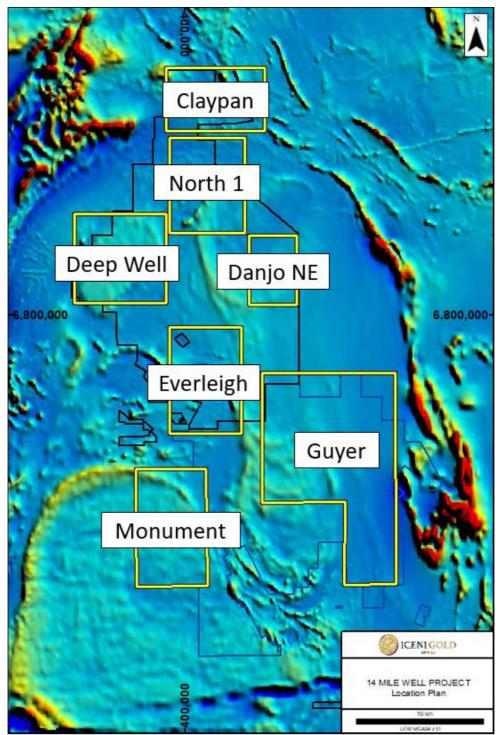


Figure 2: 14 Mile Well project area, showing the seven key target areas. Syenites have been identified in drill core at Deep Well. Image is RTP TMI magnetics, linework from regional geological interpretation.



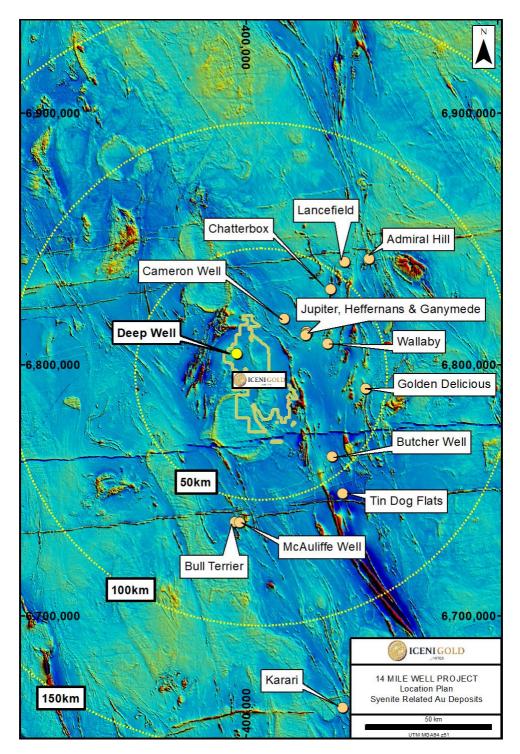
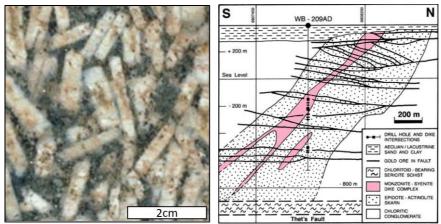


Figure 3: Plan showing the location of known syenite related gold deposits in proximity to the **Deep Well** target within Iceni Gold Limited's 14 Mile Well Project.



## Syenite: Association with Gold Deposits

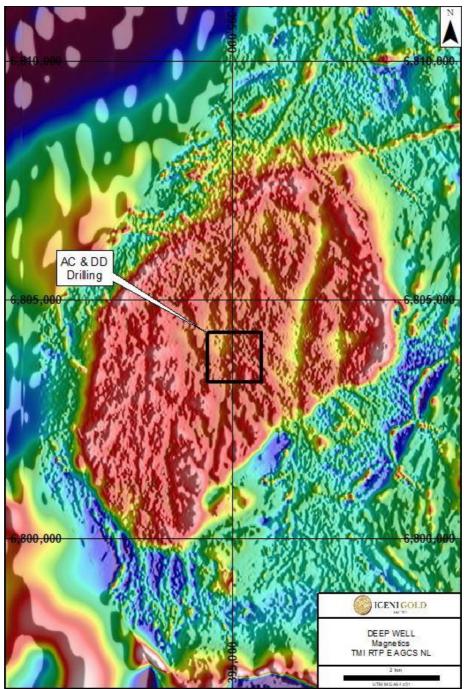
The association of **syenite intrusions** with **gold deposits** is common and is a well-documented characteristic of gold deposits in the Laverton District and in the Abitibi Greenstone Belt in Canada.



**Figure 4:** Example of the **syenite at Wallaby**. The schematic cross section shows the relationship between the syenite, alteration pipe and mineralised structures in the Wallaby system within the **Laverton District** (after Mueller et al 2008).

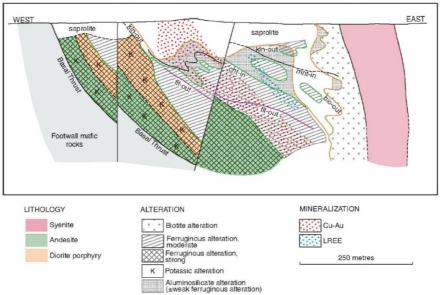
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**Figure 5:** Magnetic image showing the strong magnetic response of the Deep Well Monzonite and the location of the Iceni drilling. De-magnetised NNE trending structures can be seen to cut the intrusion. The de-magnetisation may be caused by the formation of hematite at the expense of magnetite, as observed in recent DD core at Deep Well. This is significant because the de-magnetisation can be interpreted as evidence for the alteration, these potentially altered and mineralised structure has a strike of approximately 5km within the Deep Well Monzonite.

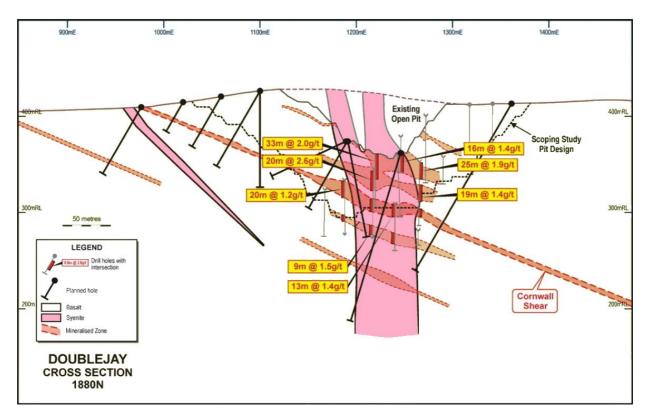




**Figure 6:** Example of the **syenite at Admiral Hill**. The schematic cross section shows the relationship between the syenite, alteration and mineralised structures in the Admiral Hill system within the **Laverton District** (after Witt 2018).

The presence of porphyry intrusions and lamprophyres is a common ingredient used by geologists when assessing the prospectivity of an Archaean greenstone property. High level porphyries and the suite of alkaline intrusions that includes syenites, monzonites and lamprophyres, is intimately linked with gold mineralisation in the Laverton District and within Archaean greenstone belts globally. This global association (porphyry, syenite or lamprophyre) is so consistent that it is difficult to find a major Archaean greenstone gold deposit where they are not present.





**Figure 7:** Example of the **syenite at Jupiter**. The schematic cross section shows the relationship between the syenite, alteration and mineralised structures in the Jupiter system within the **Laverton District** (after Dacian 2015).

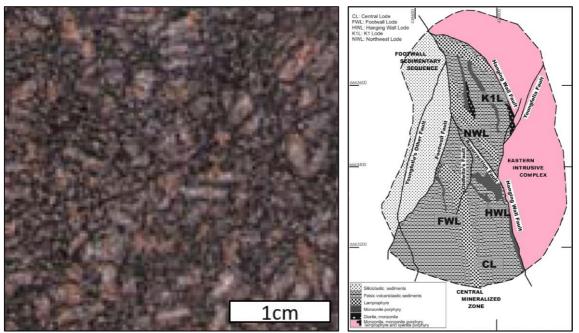
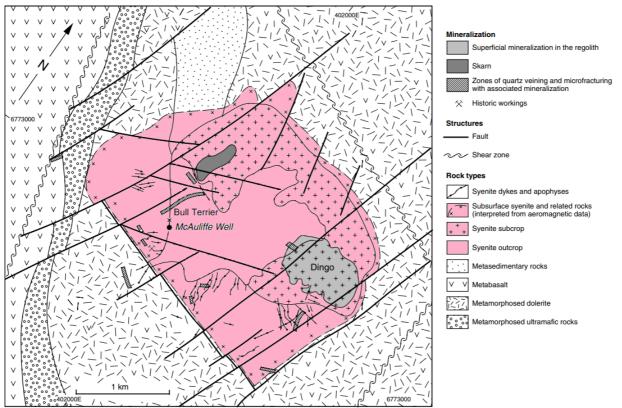


Figure 8: Example of the syenite at Karari. The schematic plan shows the relationship between the syenite, alteration and mineralised structures in the Karari open pit (after Witt 2018 & Witt, Mason & Hammond 2009).





Figure 9: Syenite and lamprophyre are exposed in the Butcher Well open pit within the Laverton District (after Witt 2018).



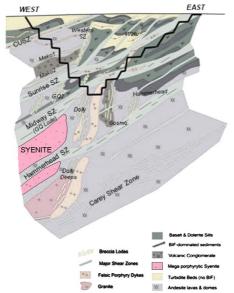
**Figure 10:** Example of the **syenite at McAuliffe Well**. The image shows the relationship between the syenite, alteration and mineralised structures in the McAuliffe Well mineralised system (after Robert Witt & Westaway 2004).

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Syenite intrusions have an association with gold mineralisation for several reasons:

- Zones of Dilation
  - o The location of syenite intrusions is common within dilatant zones along faults.
  - These faults can be significant both locally and regionally and are known as first or second order structures.
  - Structures are prime pathways for the passage of exsolved hydrous gold bearing magmatic fluids that can ascend from depth.
- Competency Contrast
  - Once a syenite magma has cooled and solidified the rock becomes brittle.
  - o In contrast the host rocks surrounding the syenite are ductile.
  - When subject to deformation, the competency contrast between the more brittle syenite and the more ductile host rocks creates extensive brecciation or brittle fracturing within the syenite.
  - The zones of fracturing or brecciation become prime pathways for intense metasomatism, hydrothermal alteration and gold mineralisation.
- Intrusive Contacts
  - Contacts between syenite intrusions and the surrounding host rocks represent zones of weakness, the surrounding rocks are commonly metamorphosed and altered by the process of intrusion of the syenite.
  - The intrusion contacts, similar to deep fault structures, become the focus for the passage of hydrothermal fluid and represent favourable depositional sites for gold mineralisation.
- Geochemical Boundaries
  - The intrusion contacts and associated metamorphic aureole form significant geochemical changes within the rock package.
  - As ascending hydrothermal fluids pass through these boundaries, the hydrothermal fluid can undergo significant geochemical changes and become destabilised.
  - The destabilised hydrothermal fluid can no longer carry its payload, leading to the precipitation of minerals and the deposition of gold.



**Figure 11:** Example of the **syenite and porphyries at Sunrise Dam**. The image shows the relationship between the syenite, alteration and mineralised structures in the Sunrise Dam mineralised system within the **Laverton District** (after Nugus et al 2014).



Executive Chairman, Brian Rodan, said: "the discovery of a syenite intrusion at the Deep Well target area is a significant positive event for Iceni Gold Shareholders.

The first phase of the diamond drilling campaign at the Deep Well target along with the first phase of the air core drilling programme has been completed.

Both programmes were designed to follow up significant anomalous historic RAB drill results at Deep Well including:

**KOW013** with 4m @ 0.66g/t Au, 4m @ 0.14g/t Au & 5m @ 3.32g/t Au **KOW014** with 4m @ 0.16g/t Au, 8m @ 0.25g/t Au & 4m @ 0.55g/t Au

The diamond and air core drilling intersected multiple narrow zones of intense alteration within a broader alteration envelope hosted by a monzonite intrusive. The alteration zones are highly visible with bright red hematite alteration surrounding quartz veining with associated sulphides. The alteration has been observed in all eleven diamond drill holes over a strike length of 200m. This is significant because quartz veining, sulphides and intrusive bodies are known to be key ingredients within the known gold deposits in the Leonora-Laverton district. The drill core and the air core samples have been sent to the laboratory for assaying and we are waiting on the results.

The Company is currently modelling the initial drilling information and looks forward to receiving all the results from the first phase drilling campaign and the second drilling campaign can then be designed and completed."

Authorised by the Board of Iceni Gold Limited.

For further information, please contact:

Brian Rodan Executive Chairman David Nixon Technical Director

#### ABOUT ICENI GOLD LIMITED

Iceni Gold Limited is a Perth based exploration company that operates the 14 Mile Well Gold project in the Laverton Greenstone Belt.

The project consists of a ~600km<sup>2</sup> tenement package on the west side of Lake Carey, the majority of which has never been subject to modern systematic geological investigation.

#### **Competent Person Statement**

The information in this announcement that relates to exploration represents information and supporting documentation prepared by Mr David Nixon, a competent person who is a member of the Australasian Institute of Mining and Metallurgy. Mr Nixon has a minimum of twenty years' experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a competent person as defined in the 2012 Edition of the Joint Ore Reserves Committee Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Nixon is a related party of the Company, being the Technical Director, and holds securities in the Company. Mr Nixon has consented to the inclusion in this announcement of the matters based on his information in the form and context in which it appears. The information in this announcement that relates to exploration results on the Fourteen Mile Well project was first released by the Company in its IPO prospectus dated 3 March 2021, and released on the ASX market announcements platform on 12 April 2021 (Prospectus). The Company confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus.

## JORC Code, 2012 Edition - Table 1

## Section 1 Sampling Techniques and Data

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

| Criteria                 | JORC Code Explanation   | Commentary   |
|--------------------------|---|--|
| Sampling<br>techniques   | <ul> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul> | <ul> <li>Diamond Drilling is used to obtain drill core which is cut in half, lengthways, using a diamond saw, the half core is sampled in nominal 1m lengths, the entire sample is crushed and 2.5kg is pulverised to produce a 30g charge for fire assay to analyse for Au.</li> <li>Drill core is oriented using Reflex ACT II/III<sup>™</sup> downhole tool</li> <li>Drill hole is surveyed using Single Shot Reflex EZ-TRAC<sup>™</sup> downhole tool</li> <li>Diamond drilling contractor is Westralian Diamond Drillers</li> <li>Alteration and mineralisation have been identified by field geologists during routine core inspection in the field and during logging of drill core.</li> </ul> |
| Drilling<br>techniques   | • Drill type (e.g. core, reverse circulation, open-hole<br>hammer, rotary air blast, auger, Bangka, sonic, etc)<br>and details (e.g. core diameter, triple or standard<br>tube, depth of diamond tails, face-sampling bit or<br>other type, whether core is oriented and if so, by<br>what method, etc).  | <ul> <li>Diamond drilling, conducted by Westralian Diamond Drillers, holes are collared as PQ3/HQ2 diameter core, subsequently reducing down to NQ2 diameter.</li> <li>Drill core is oriented using Reflex ACT II/III<sup>TM</sup> downhole tool</li> <li>Drill hole is surveyed using Single Shot Reflex EZ-TRAC<sup>TM</sup> downhole tool</li> <li>The orientation line is marked using a chinagraph pencil, on the bottom of core showing downhole direction.</li> </ul>   |
| Drill sample<br>recovery | <ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may</li> </ul>   | <ul> <li>Core recoveries are measured by the driller using a tape measure and recorded on wooden core blocks inserted in the core trays at the end of each core run.</li> <li>Core recoveries are measured again by the company's field staff to validate the driller's recoveries.</li> <li>In friable ground the driller reduces the water flow to prevent the core being washed away and if necessary uses finger lifters to improve core recovery.</li> </ul>  |

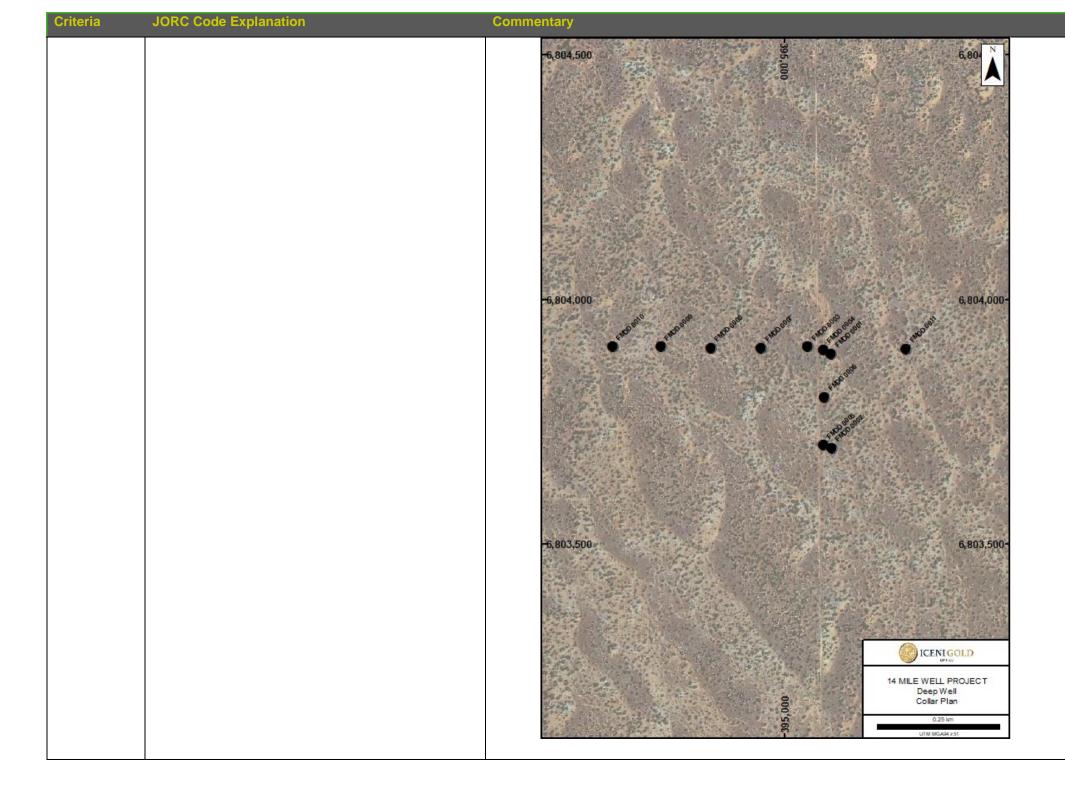
| Criteria  | JORC Code Explanation   | Commentary  |
|---|---|---|
|   | have occurred due to preferential loss/gain of fine/coarse material.  | <ul> <li>In broken ground shorter core runs are drilled to improve core recovery.</li> <li>Insufficient data has been collected to statistically ascertain if a relationship exists between Diamond Core recovery and grade or if bias has been introduced due to preferential loss/gain of fine/coarse material, this will be addressed as a greater dataset is generated.</li> </ul>  |
| Logging   | <ul> <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>  | <ul> <li>Drill core was transported from the rig site to a secure core processing facility in Kalgoorlie.</li> <li>Drill core is logged geologically to a level of detail to support appropriate Mineral Resource estimation.</li> <li>At the rig the core is logged qualitatively to provide rapid feedback.</li> <li>In the core yard the core is logged quantitively/measured to provide accurate data.</li> <li>The drill core is photographed for further study and to provide a visual record.</li> <li>The entire length of the drill core is logged (100% of relevant intersections are logged).</li> </ul>   |
| Sub-sampling<br>techniques<br>and sample<br>preparation | <ul> <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> <li>Quality control procedures adopted for all subsampling stages to maximise representativity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul> | <ul> <li>Drill core is cut lengthways using an Almonte diamond saw.</li> <li>PQ3 Drill core is cut into ¼ core before being sampled in nominal 1m lengths.</li> <li>HQ2/NQ2 Drill core is cut into ½ core before being sampled in nominal 1m lengths.</li> <li>Ex-Lab QA/QC procedures include insertion of standards, blanks and field duplicates.</li> <li>In-Lab QA/QC procedures include insertion of standards, blanks and duplicates, grind checks and repeat analyses are standard procedure.</li> <li>The 1m nominal sample size for NQ2 ½ core is industry standard and considered appropriate for the style of mineralisation being targeted and the grainsize of the rock being sampled.</li> <li>The remaining half of the core is retained as a reference and for check sampling</li> </ul>  |
| Quality of<br>assay data<br>and<br>laboratory<br>tests  | <ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>  | <ul> <li>The Diamond Drill Core lab procedures for sample preparation, fusion and analysis are considered industry standard.</li> <li>Ex-Lab QA/QC procedures include insertion of standards, blanks and field duplicates.</li> <li>In-Lab QA/QC procedures include insertion of standards, blanks and duplicates, grind checks and repeat analyses are standard procedure.</li> <li>The 1m nominal sample size for NQ2 ½ core is industry standard and considered appropriate for the style of mineralisation being targeted and the grainsize of the rock being sampled.</li> <li>The remaining half of the core is retained as a reference and for check sampling</li> <li>Insufficient data has been collected to statistically determine if acceptable levels of accuracy and precision have been met, this can only be assessed once a statistically valid dataset has been generated.</li> </ul> |

| Criteria  | JORC Code Explanation  | Commentary  |
|---|--|---|
| Verification of<br>sampling and<br>assaying                         | <ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>  | <ul> <li>Significant Diamond Core intersections are verified by field staff then validated by the Exploration Manager.</li> <li>Reference ½ core is physically inspected to validate significant intersections.</li> <li>Logging data is entered digitally, using standard software with dropdown lists, it is sent to database administrators for incorporation in the digital database</li> <li>Assay data is not adjusted.</li> </ul>  |
| Location of<br>data points  | <ul> <li>Accuracy and quality of surveys used to locate<br/>drillholes (collar and down-hole surveys), trenches,<br/>mine workings and other locations used in Mineral<br/>Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>   | <ul> <li>Drill hole collars are located using handheld Garmin GPSMAP64csx<sup>™</sup>, nominal accuracy is 3m.</li> <li>Grid system is GDA94 zone 51</li> <li>The project has a nominal RL of 440m, a more accurate DTM, provided by geophysical contractors, is used for topographic control.</li> </ul>   |
| Data spacing<br>and<br>distribution                                 | <ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>   | <ul> <li>Diamond Drill Core Sampling is conducted in nominal 1m intervals.</li> <li>All diamond core is cut and sampled.</li> <li>The data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for Mineral Resource and Ore Reserve estimations.</li> <li>Diamond drill core samples are not composited.</li> </ul>   |
| Orientation of<br>data in<br>relation to<br>geological<br>structure | <ul> <li>Whether the orientation of sampling achieves<br/>unbiased sampling of possible structures and the<br/>extent to which this is known, considering the<br/>deposit type.</li> <li>If the relationship between the drilling orientation<br/>and the orientation of key mineralised structures is<br/>considered to have introduced a sampling bias, this<br/>should be assessed and reported if material.</li> </ul> | <ul> <li>The orientation of sampling is considered appropriate with respect to the structures being tested.</li> <li>Drilling scissor holes tests and addresses potential issues related to drilling orientation with respect to the orientation of mineralised structures.</li> <li>Insufficient data has been collected to statistically determine if drilling orientation has introduced a sampling bias, this will be addressed by drilling more holes including a scissor hole.</li> </ul> |
| Sample<br>security  | • The measures taken to ensure sample security.  | <ul> <li>Samples are stored in core trays and secured on pallets for transport</li> <li>Pallets of drill core are transported by the drill contractor to the core yard in Kalgoorlie</li> <li>The core yard in Kalgoorlie is enclosed within a secured and locked compound with a monitored security system that includes internal and external video recording</li> </ul>  |
| Audits or<br>reviews  | <ul> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>  | <ul> <li>The sampling methods being used are industry standard practice.</li> <li>QAQC Standard samples are OREAS SuperCRMs<sup>®</sup> for Au and Multi-elements.</li> <li>Samples are submitted to ALS Laboratory in Perth for sample preparation and analysis, this lab is ISO/IEC 17025:2017 and ISO 9001:2015 accredited.</li> <li>The lab is subject to routine and random inspections.</li> </ul>  |

# Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

| Criteria                                | J | ORC Code Explanation   | Commentary   |   |  |                |                  |                          |                               |            |         |                                |  |
|---|---|--|--|---|--|----------------|------------------|--------------------------|-------------------------------|------------|---------|--------------------------------|--|
| Mineral                                 | • | Type, reference name/number, location and  |  | All Diamond Drilling is located in Western Australia.   |  |                |                  |                          |                               |            |         |                                |  |
| tenement and<br>land tenure             |   | ownership including agreements or material issues<br>with third parties such as joint ventures,<br>partnerships, overriding royalties, native title<br>interests, historical sites, wilderness or national |  |   | Diamond Drilling: Tenement Summary   |                |                  |                          |                               |            |         |                                |  |
| status                                  |   |  |  |   | Pro  | spect          | Tenemo           | ent                      | Grant                         | Date       | Status  | Owner                          |  |
|   | • | park and environmental settings.<br>The security of the tenure held at the time of   |  |   | Dee  | p Well         | E39/20           | 83                       | 29/11/2                       | 2018       | Live    | 14 Mile Well Gold Pty Ltd      |  |
|   |   | reporting along with any known impediments to obtaining a licence to operate in the area.  |  |   | 14 Mile Well Gold Pty Ltd & Guyer Well Gold Pty Ltd are wholly owned subsidiaries<br>of Iceni Gold Limited |                |                  |                          |                               |            |         |                                |  |
| Exploration<br>done by other<br>parties | • | Acknowledgment and appraisal of exploration by other parties.  |  | <ul> <li>The Fourteen Mile Well project area has previously been held but poorly explored.</li> <li>The area being tested by the exploration campaign has been inadequately drill tested by previous explorers.</li> <li>Historical exploration work has been completed by numerous individuals and organisations. The reports and results are available in the public domain and all relevant WAMEX reports etc. are cited in the Independent Geologists Report dated March 2021 which is included in the Prospectus dated 3 March 2021.</li> <li>The project area has been actively avoided by explorers because it is underlain by granite; geologists operating in this region have assumed granite is unprospective for gold.</li> </ul> |  |                |                  |                          |                               |            |         |                                |  |
| Geology                                 | • | Deposit type, geological setting and style of mineralisation.  | Exploration is targeting Orogenic Gold and Intrusion Related Gold deposit styles.     Summary of Prospects |   |  |                |                  | ted Gold deposit styles. |                               |            |         |                                |  |
|   |   |  |  |   |  |                | llest            |                          |                               | •          | ospects |                                |  |
|   |   |  |  |   |  | spect          | Host<br>Monzonit | Deposit Styl             |                               |            | Quartz  | Associations                   |  |
|   |   |  |  |   | Dee  | p Well         | Syenite          |                          | Orogenic<br>Intrusion Related |            |         | veining, alteration, sulphides |  |
| Drillhola                               |   |  |  |   |  |                |                  |                          |                               |            |         |                                |  |
| Drillhole<br>Information                | • | A summary of all information material to the<br>understanding of the exploration results including a   | Tabulated Drillhole information.   |   |  |                |                  |                          |                               |            |         |                                |  |
| momulon                                 |   | tabulation of the following information for all<br>Material drillholes:  |  |   | Deep Well<br>Drilling Information  |                |                  |                          |                               |            |         |                                |  |
|   |   | <ul> <li>easting and northing of the drillhole collar</li> <li>elevation or RL (Reduced Level – elevation<br/>above sea level in metres) of the drillhole collar</li> </ul>                                |  | Hole  | e ID   | Easting<br>(m) | Northing<br>(m)  | RL<br>(m)                | Dip/Azi                       | EOH<br>(m) |         | Comments                       |  |
|   |   |  |  | FMDD  | 00001  | 395,097        | 6,803,890        | 440                      | -60°/270°                     | 201.7      |         | Test beneath KOW013            |  |
|   |   | <ul> <li>o dip and azimuth of the hole</li> <li>o down hole length and interception depth</li> </ul>   |  | FMDD  | 00002  | 395,098        | 6,803,697        |                          | -60°/270°                     | 207.7      |         | Test beneath KOW014            |  |
|   |   | <ul> <li>o hole length.</li> </ul>   |  |   | 00003  | 395,049        | 6,803,904        |                          | -60°/090°                     | 204.7      |         | Scissor FMDD0001               |  |
|   | • | If the exclusion of this information is justified on the   |  | FMDD  | 00004  | 395,081        | 6,803,898        | 440                      | -90°/360°                     | 100        |         | Twin of KOW013                 |  |

| Criteria  | JORC Code Explanation  | Commentary  |
|---|--|---|
|   | basis that the information is not Material and this<br>exclusion does not detract from the understanding<br>of the report, the Competent Person should clearly<br>explain why this is the case.  | FMDD0005         395,081         6,803,703         440         -90°/360°         100         Twin of KOW014           FMDD0006         395,083         6,803,801         440         -90°/360°         100         Repurposed as water bore           FMDD0007         394,954         6,803,902         440         -60°/090°         255.8         On section with KOW013           FMDD0008         394,851         6,803,902         440         -60°/090°         290         On section with KOW013           FMDD0009         394,749         6,803,904         440         -60°/090°         200         On section with KOW013           FMDD0010         394,650         6,803,904         440         -60°/090°         197         On section with KOW013           FMDD0011         395,250         6,803,900         440         -60°/090°         216.8         On section with KOW013 |
| Data<br>aggregation<br>methods<br>Relationship<br>between<br>mineralisation | <ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> <li>These relationships are particularly important in the reporting of Exploration Results.</li> </ul> | Assay intercepts are downhole length  |
| mineralisation<br>widths and<br>intercept<br>lengths                        | <ul> <li>If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> </ul>  |   |
| Diagrams  | Appropriate maps and sections (with scales) and<br>tabulations of intercepts should be included for any<br>significant discovery being reported These should<br>include, but not be limited to a plan view of drillhole<br>collar locations and appropriate sectional views.   | Summary of included images  |



| Criteria                                    | JORC Code Explanation   | Commentary   |
|---|---|--|
| Balanced<br>reporting                       | Where comprehensive reporting of all Exploration<br>Results is not practicable, representative reporting<br>of both low and high grades and/or widths should<br>be practiced to avoid misleading reporting of   | • Downhole length, grade and interception depth are provided for all assays received to date that exceed the reporting threshold for the type of drilling being used.  |
| Other<br>substantive<br>exploration<br>data | <ul> <li>Exploration Results.</li> <li>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.</li> </ul> | <ul> <li>Rock chip results were included in the prospectus dated 3 Mar 2021</li> <li>Initial results from FMDD0012 were included in announcement dated 3 Sept 2021.</li> <li>Dr Walter Witt has been engaged to complete a geological study on drill core from the 14 Mile Well project.</li> <li>Dr Witt has over 30 years of relevant experience and is a subject matter expert on syenite and intrusion related deposits.</li> <li>Dr Witt has identified syenite in the drill core at Deep Well</li> <li>Dr Witt has tentatively identified lamprophyre as the pre-curser of the mafic schist at Deep Well.</li> <li>This is significant because it is well documented that gold deposits in the Laverton District have a strong association with syenite intrusions or lamprophyres.</li> </ul> |
| Further work                                | <ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>   | <ul> <li>Re-log remaining core to identify intervals of syenite.</li> <li>Receive assay results.</li> <li>Analyse results, design follow up drilling program.</li> </ul>   |

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