# ASX ANNOUNCEMENT

Date: 27 January 2022



## 2022 EXPLORATION PROGRAMMES UNDERWAY

- **Major Ground EM Survey commenced at Broken Hill, NSW as part of the joint venture with IGO.**
- **Impact's maiden RC drill programme at the Doonia gold project (IPT 80%) is also underway to test a number of combined geophysical and soil geochemistry targets.**

Impact Minerals Limited is pleased to announce that its 2022 exploration campaign is now underway with on-ground exploration programmes having commenced at two of the company's projects across Australia.

Impact Minerals' managing Director Dr Mike Jones said "*It is great to have made a start on our on-ground exploration programmes so early in the New Year. IGO Limited have now commenced a major electromagnetic survey at Broken Hill and we thank them for their efforts to get the survey underway under the trying conditions of the COVID-19 outbreaks in New South Wales.*

*In addition, the maiden RC drilling programme is underway at Doonia and we are looking forward to testing a number of targets, some of which were identified over 20 years ago and have never been followed up. It will be interesting to see what is hidden at depth beneath them given the similarities to the nearby Burns discovery which was originally identified in the same exploration programme as Doonia by WMC Resources in 1999."*

**Broken Hill**

An extensive ground electromagnetic (EM) survey is underway at Broken Hill as part of the recently announced joint venture with IGO Limited (ASX:IGO) where IGO has the right to earn a 75% interest in EL7390 and EL8234 (Figure 1 and ASX announcement 9th November 2021).

The EM survey, which is using a deep penetrating SQUID system and is expected to take up to 3 months to complete, has been designed to test the entire area of the two tenements for deposits of high-grade massive nickel-copper-PGM including the Moorakai Trend and the Little Broken Hill Gabbro (Figure 1).

The Moorakai Trend is a nine kilometre long ultramafic to mafic dyke and chonolith complex that is very poorly explored. Drilling by Impact at the southern end of the Trend has returned high grades of nickel-copper-PGM's in the Platinum Springs area in a channel-like structure at the base of the ultramafic unit (ASX Release 9th March 2021). There has been no drilling of significance along the rest of the Trend.

At the Little Broken Hill Gabbro, Impact completed the first ever drill programme across the seven kilometre long intrusion and identified numerous areas of highly anomalous PGM's in the basal unit to the intrusion over several kilometres (ASX Release 15th April 2021).

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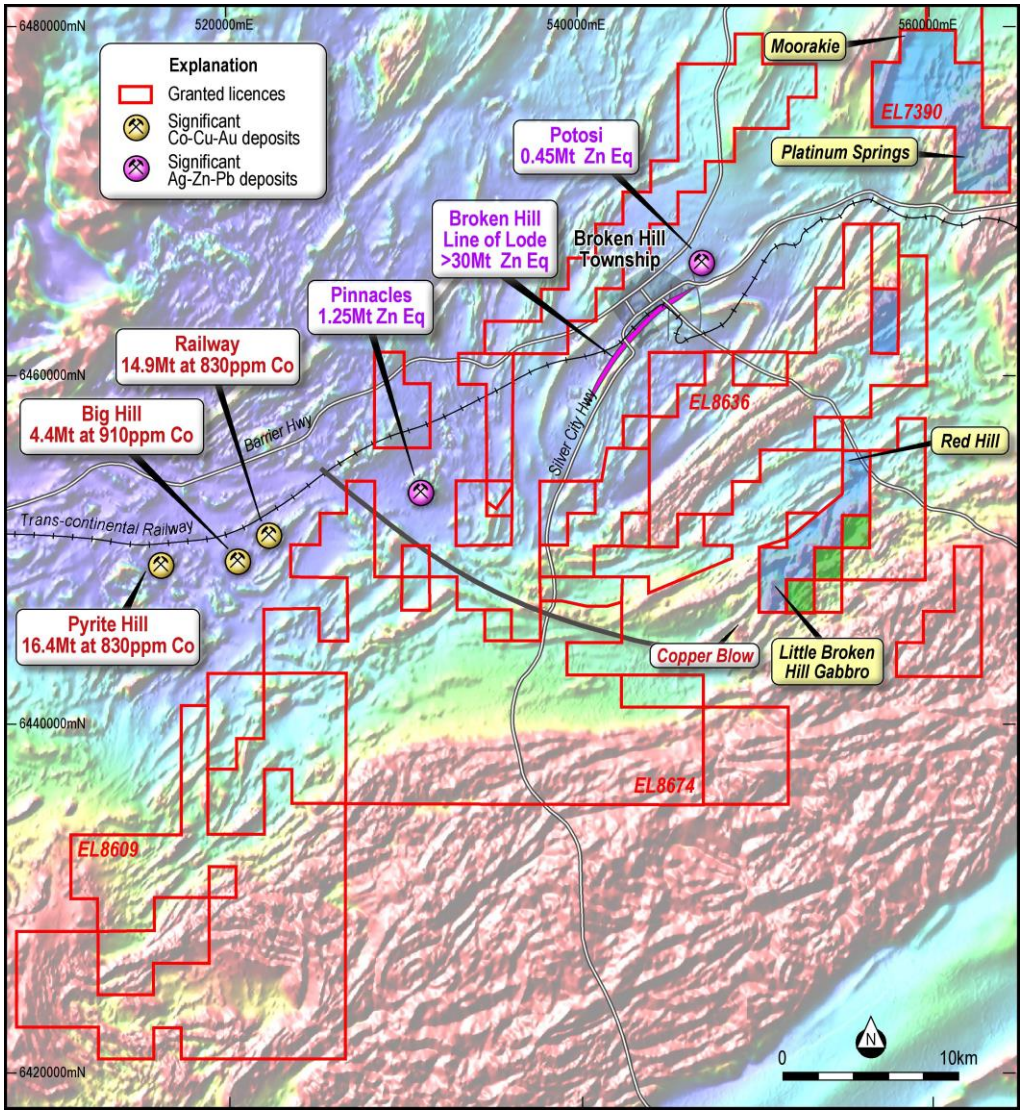


**Figure 1.** Impact's ground holdings around Broken Hill. E7390 is highlighted.

The principal terms of the joint venture with IGO are:

1. IGO can spend $6 million over four years to earn a 51% interest in the project (Stage 1 earn in). An unincorporated joint venture between IGO and Impact will be formed at this time.
2. IGO can spend a further $12 million over a further four years to earn a 75% interest in the project (Stage 2 earn in).
3. After Stage 2 is complete, the parties can elect to contribute pro-rata or dilute. If one party's interest dilutes to less than 10% then its interest will convert to a 1% Net Smelter Royalty.
4. If, after completing Stage 1, IGO elects not to proceed to Stage 2 or, during Stage 2 does not meet its expenditure requirements, IGO will revert to a 49% interest in the project giving Impact a majority 51% interest.
5. A minimum expenditure of $500,000 in the first year is required. IGO can withdraw prior to the minimum expenditure being reached by paying the lesser amount of either the balance of unspent minimum expenditure or $200,000.

At the 80% owned **Doonia Gold Project** located 30 km west of the recent Burns discovery by Lefroy Exploration Limited (ASX:LEX) (Figure 2) a reverse circulation drill programme has commenced to test several soil geochemistry and geophysical targets.

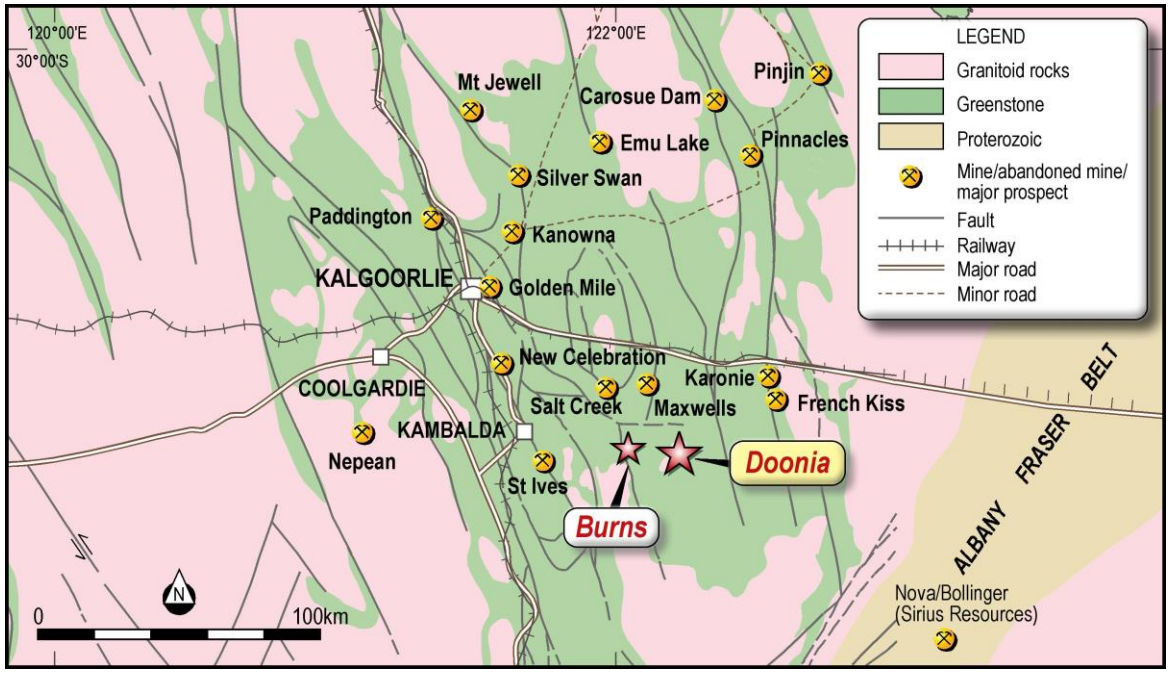


**Figure 2.** Location of the Doonia Project in the Eastern Goldfields of Western Australia.

The principal target is a significant 2.5 km by 1 km sized gold-bismuth soil geochemistry anomaly that overlies a cluster of isolated magnetic anomalies in the centre of the project area that may represent targets for intrusion related gold similar to Burns where significant gold-copper-magnetite mineralisation is hosted by a magnetic porphyry intrusion (Figure 3 and ASX Release 7th September 2021).

In addition, several other soil geochemistry and geophysical targets are being tested along an access track in the eastern part of the tenement. Two drill holes have been completed in this area with samples already dispatched to the laboratory (Table 1). Assay results are expected in late March.

The second drill hole intersected a pocket of abiogenic gas of unknown thickness and composition at about 100 metres down hole. Abiogenic gas is a common but not widely known phenomenon close to and within many gold and nickel mines as well as along major faults in the Goldfields of Western Australia. Impact is currently commencing an assessment of the composition of the gas with respect to potential safety issues as well as the possible areal extent of the pocket and its significance. The drill rig will be moved to the main target area on completion of the assessment.

**COMPLIANCE STATEMENT**

This report contains no new Exploration Results.

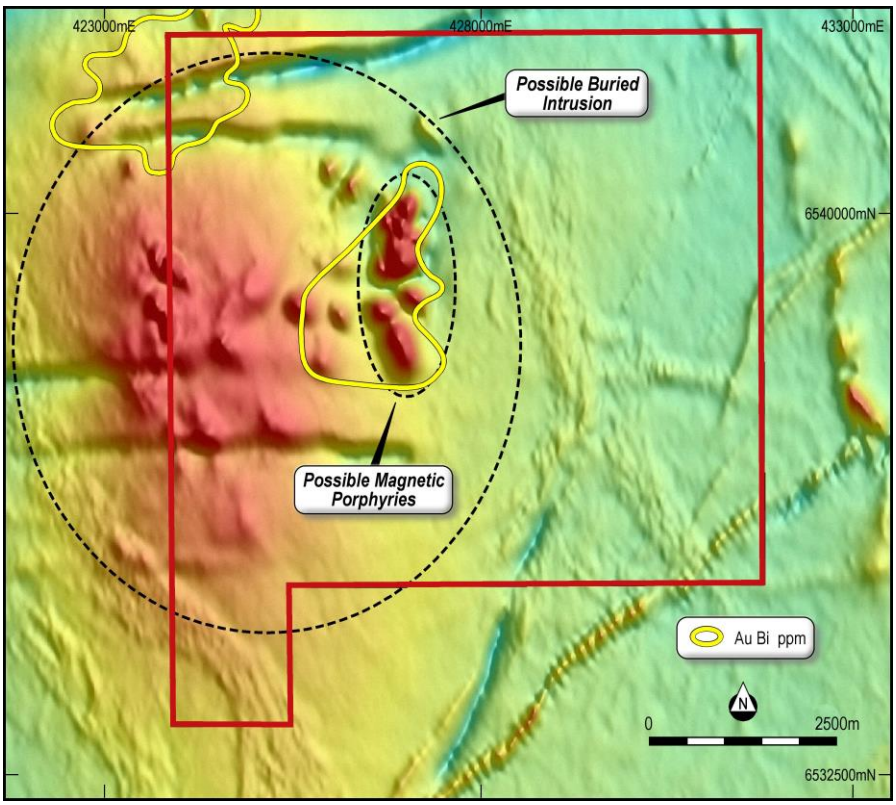


**Figure 3.** Image of regional magnetic data over the Doonia project with warmer colours indicating more magnetic units. A large oval deep-seated anomaly is centred directly under the project area above which a cluster of near surface anomalies is present. The smaller anomalies are interpreted as possible near surface magnetic porphyry intrusions that may be related to and sourced from a larger buried intrusion represented by the broader magnetic anomaly. These smaller anomalies are coincident with a gold-bismuth soil geochemistry anomaly (ASX Release 17th November 2020).

**Dr Mike Jones**
Managing Director

*The review of exploration activities and results contained in this report is based on information compiled by Dr Mike Jones, a Member of the Australian Institute of Geoscientists. He is a director of the company and works for Impact Minerals Limited. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Mike Jones has consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

**TABLE 1. DRILL HOLE INFORMATION**

| Hole_ID | Max_Depth | Zone | Easting | Northing | Azimuth |
|---|---|---|---|---|---|
| DNIPT001 | 198 | MGA94_51 | 430462 | 6535497 | 180 |
| DNIPT002 | 231 | MGA94_51 | 430412 | 6537772 | 180 |