



# ASX ANNOUNCEMENT

## MULTIPLE NEW GOLD TARGETS IDENTIFIED AT RANDALLS

- Multiple large gold targets with significant historic drill results identified within new tenement applications east of Kalgoorlie

Miramar Resources Limited (ASX:M2R, “Miramar” or “the Company”) is pleased to advise that compilation of historic drilling data has identified multiple large gold targets within its 100%-owned Randalls Project, 70 kilometres east of Kalgoorlie in the Eastern Goldfields region of Western Australia.

The Company recently submitted applications for two new Exploration Licences, E25/659 and E28/3510, along the Randalls Fault, a major mineralised regional structure (ASX Release 5 March 2025).

Compilation of historic drilling data has identified at least three high-priority drill targets along the Randalls Fault including the Lone Pine Dam, Venetian and Campese targets (Figure 1).

Miramar’s Executive Chairman, Mr Allan Kelly, said the new applications were underexplored despite their proximity to several historical, existing and proposed gold mining and/or processing operations.

“There are multiple large walk-up drill targets, with noteworthy historical drill intersections, any of which could lead to the discovery of a significant new gold deposit,” he added.

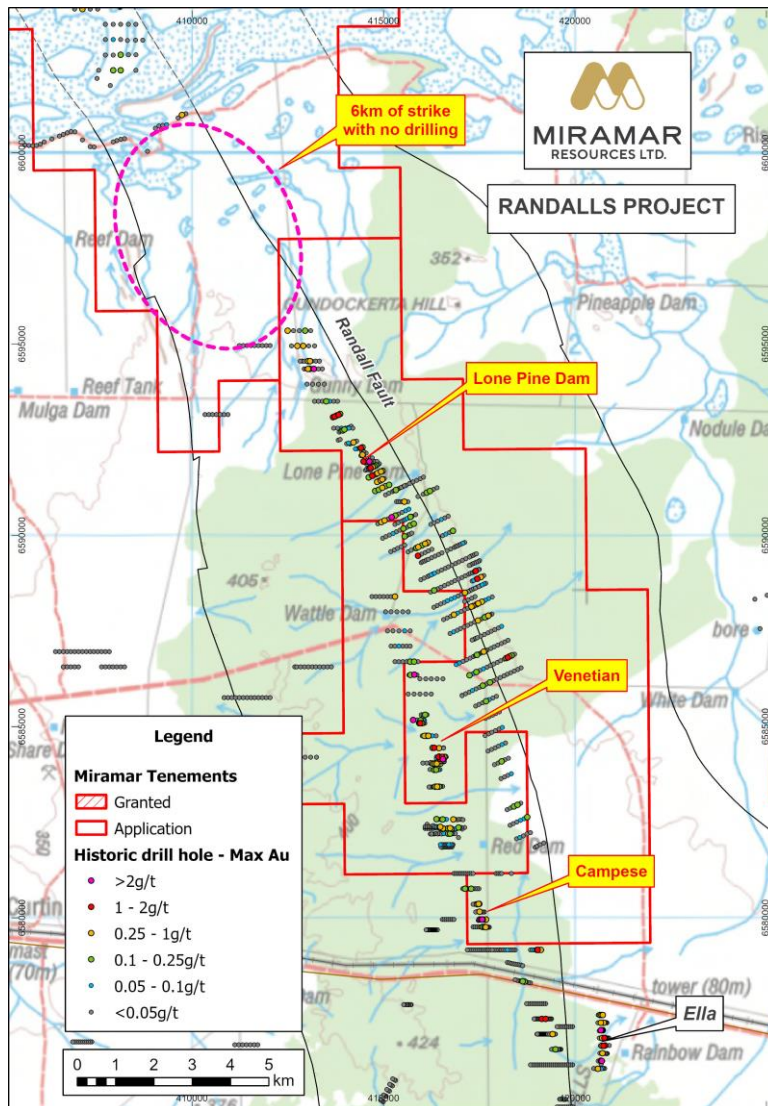


Figure 1. The Randalls Project showing new targets and historic drilling results.



### **Lone Pine Dam**

The Lone Pine Dam target is located approximately 10 kilometres south of Lake Yindarlgooda and has anomalous historic auger and rotary air blast (RAB) results over a strike length of approximately 8 kilometres (Figure 2).

CRA Exploration explored the project in a Joint Venture with Metana Minerals from 1992 to 1995 and completed systematic auger and RAB drilling along the Randall Fault over a strike length of approximately 15 kilometres. CRA also completed a limited number of diamond holes.

Some of the more significant RAB results, such as in 95LPR357 (4m @ 6.07g/t Au from 4m), remain open along strike for several hundreds of metres.

CRA concluded that, although the RAB drill line spacing of 200m was sufficient to discount the existence of a "large orebody", there was still a chance to discover smaller deposits and/or orebodies with unusual geometry (e.g. not orthogonal to the east-west oriented drill lines) and recommended the RAB drilling be followed up with RC drilling.

The subsequent "Mount Monger Gold Project" (MMGP) was a 50:50 JV between General Gold NL and Ramsgate Resources NL which explored in the area from 1993 to 1999, when the project was taken over by Solomon Australia Pty Ltd.

Further RAB drilling was completed across the target area with several holes reporting results >1g/t Au including VRB165, which returned 12m @ 1.22g/t Au from 44m. Deep RC drilling is limited, and there has been no systematic exploration for the last 20 years.

### **Venetian**

The Venetian target is located approximately 60 kilometres east of Kalgoorlie and approximately 5 kilometres north of the Transline Access Road. Historic RAB and RC drilling has defined gold anomalism over a strike length of approximately 3.5 kilometres with a semi-continuous zone of results >1g/t Au over approximately 1.8 kilometres (Figure 3).

At the time of this drilling, MMGP was focussed on outlining a mineable resource at the Maxwell Deposit further south but stated that further exploration was warranted at multiple prospects, including Venetian.

### **Campese**

The Campese target is located to the south of the Venetian target and north of the Transline Access Road and was one of several identified by Mount Martin Gold Mines in 1989-90 after soil sampling on a 400m x 100m grid identified a 1km long anomaly >30ppb Au against a background of <10ppb Au, with two samples 900m apart returning 38ppb Au.

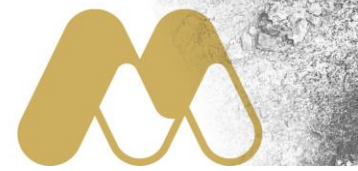
Follow-up sampling at 200m x 50m spacing upgraded the Lynagh and Campese anomalies with a peak value of 97ppb Au at what became the Campese target (Figure 4).

RAB drilling of 21 holes on three lines tested the soil anomaly over a strike of 900m. The holes intersected mafic and intermediate volcanics with moderate shearing and significant vein quartz, pyrite and arsenopyrite observed.

Significant results were observed in CB17 (9m @ 0.33g/t Au including 2m @ 1.95g/t Au) and CB19 (12m @ 0.51g/t Au including 2m @ 3.65g/t Au), both on the southernmost line and both associated with strongly elevated arsenic results. Follow-up RAB drilling consisted of a further 12 holes which extended the strike length to 1.1 kilometres, but the results were generally lower grade.

RC drilling was then completed in two phases with the best result from CR-3 (2m @ 5.55g/t Au, including 1m @ 15.50g/t Au and 0.08% As).

Mount Martin said additional drill testing was warranted but no further work was completed.



Hampton Hill Mining drilled two traverses of RAB holes in the 1996/97 tenement year and returned multiple gold results >0.1g/t Au from several holes and Rubicon Resources drilled a single RC hole underneath the main Campese target in 2007.

No further work is recorded despite the Campese soil anomaly and semi-contiguous easterly-dipping gold mineralisation > 0.25g/t Au stretching over 800m of strike and remaining open to the north, south and down dip (Figure 5).

The current drill spacing is also relatively wide, at 200m between lines.

### **Upcoming Work Programmes**

The Company advises that drilling at the Gidji JV project, located 15 kilometres north of Kalgoorlie, will commence after completion of the upcoming General Meeting and recently announced capital raising.

The Company has applied for co-funding of a detailed magnetic and electromagnetic survey at its Bangemall Cu-Ni-Co-PGE projects under the WA government's Exploration Incentive Scheme (EIS) and is in discussions with several parties about a potential Exploration Joint Venture over those projects.

**For more information on Miramar Resources Limited, please visit the company's website at [www.miramarresources.com.au](http://www.miramarresources.com.au), follow the Company on social media (Twitter @MiramarRes and LinkedIn @Miramar Resources Ltd) or contact:**

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This announcement has been authorised for release by Mr Allan Kelly, Executive Chairman, on behalf of the Board of Miramar Resources Limited.

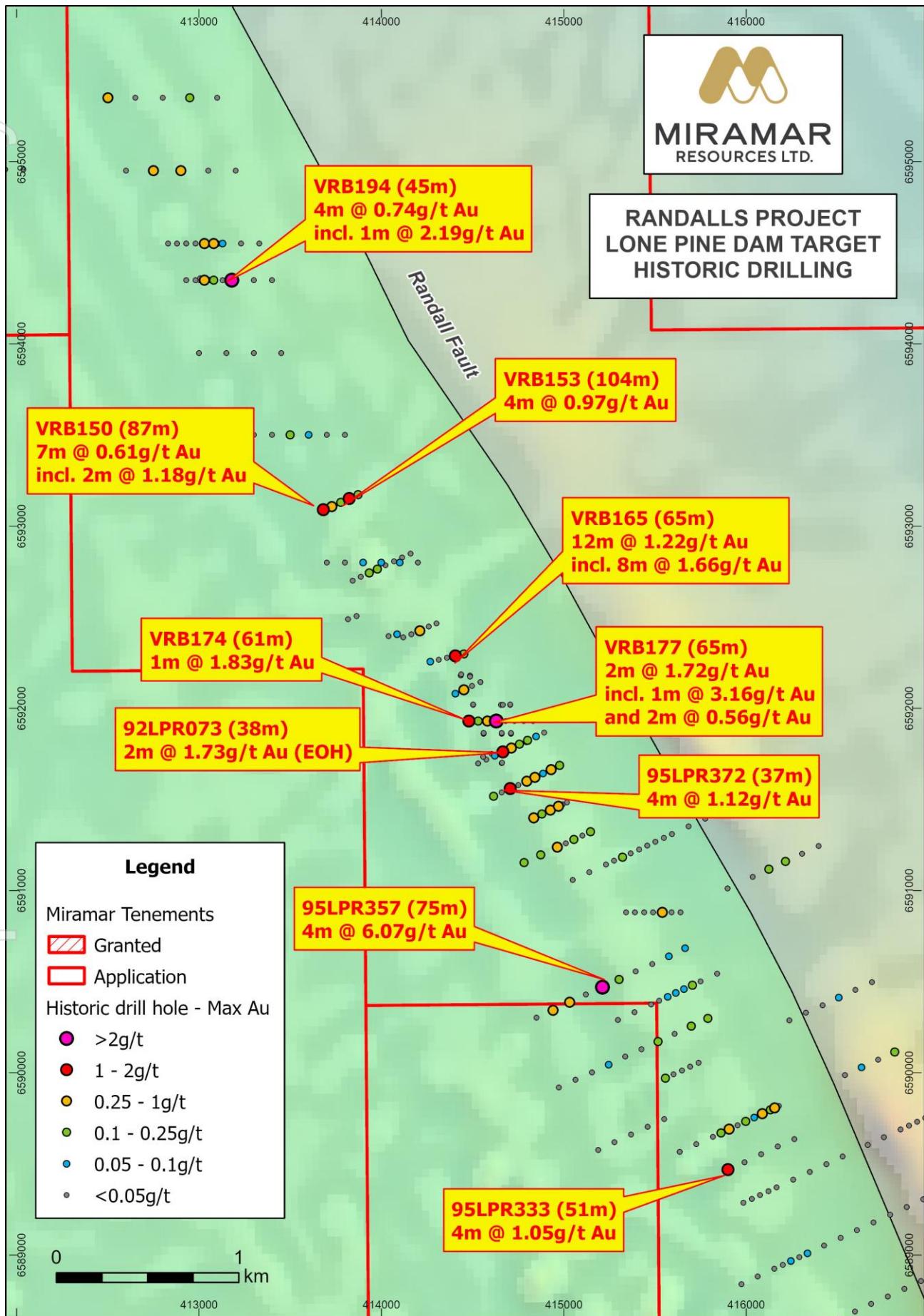


Figure 2. Lone Pine Dam target showing a summary of historic drilling results.

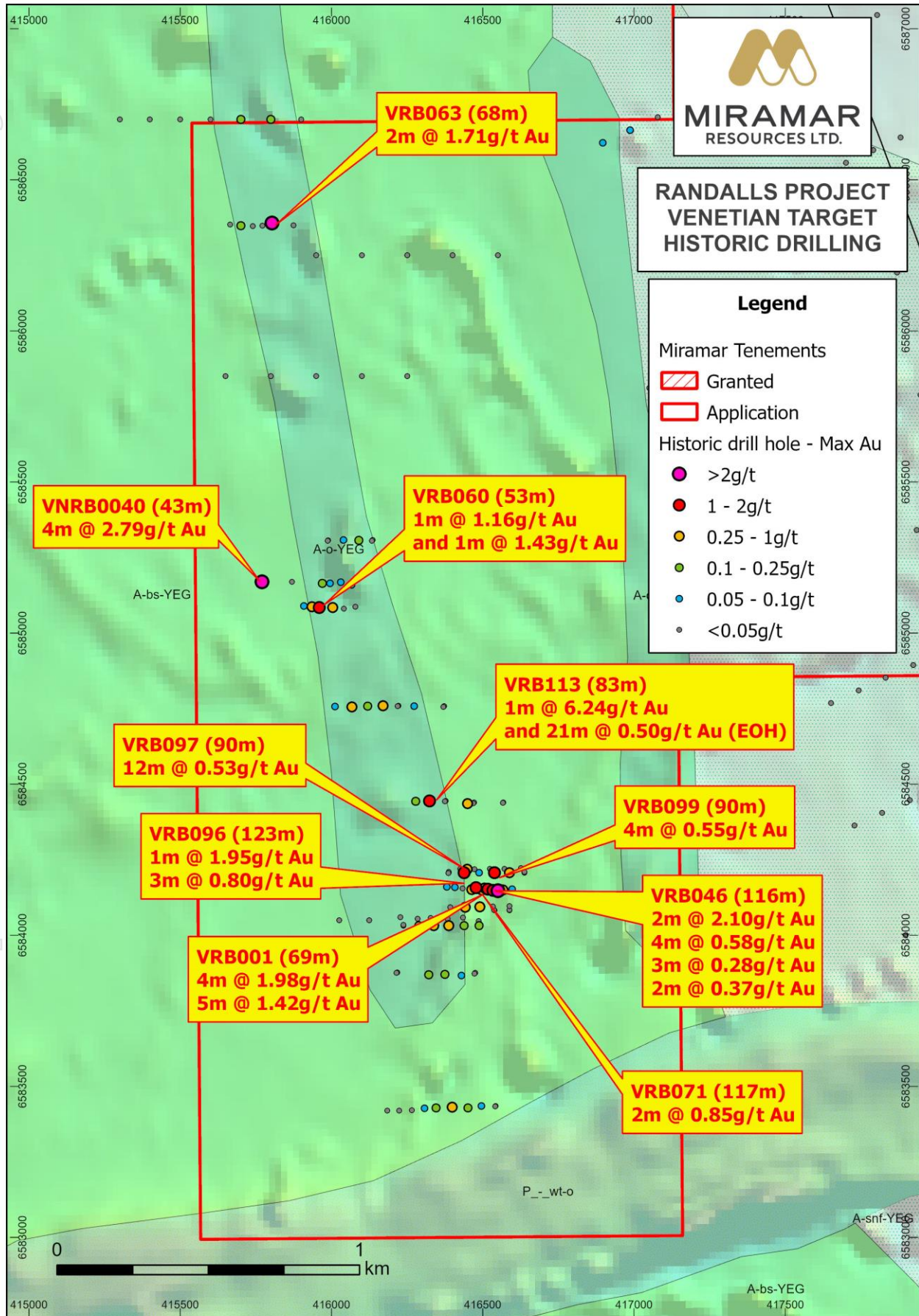


Figure 3. Venetian target showing a summary of historic drilling results.

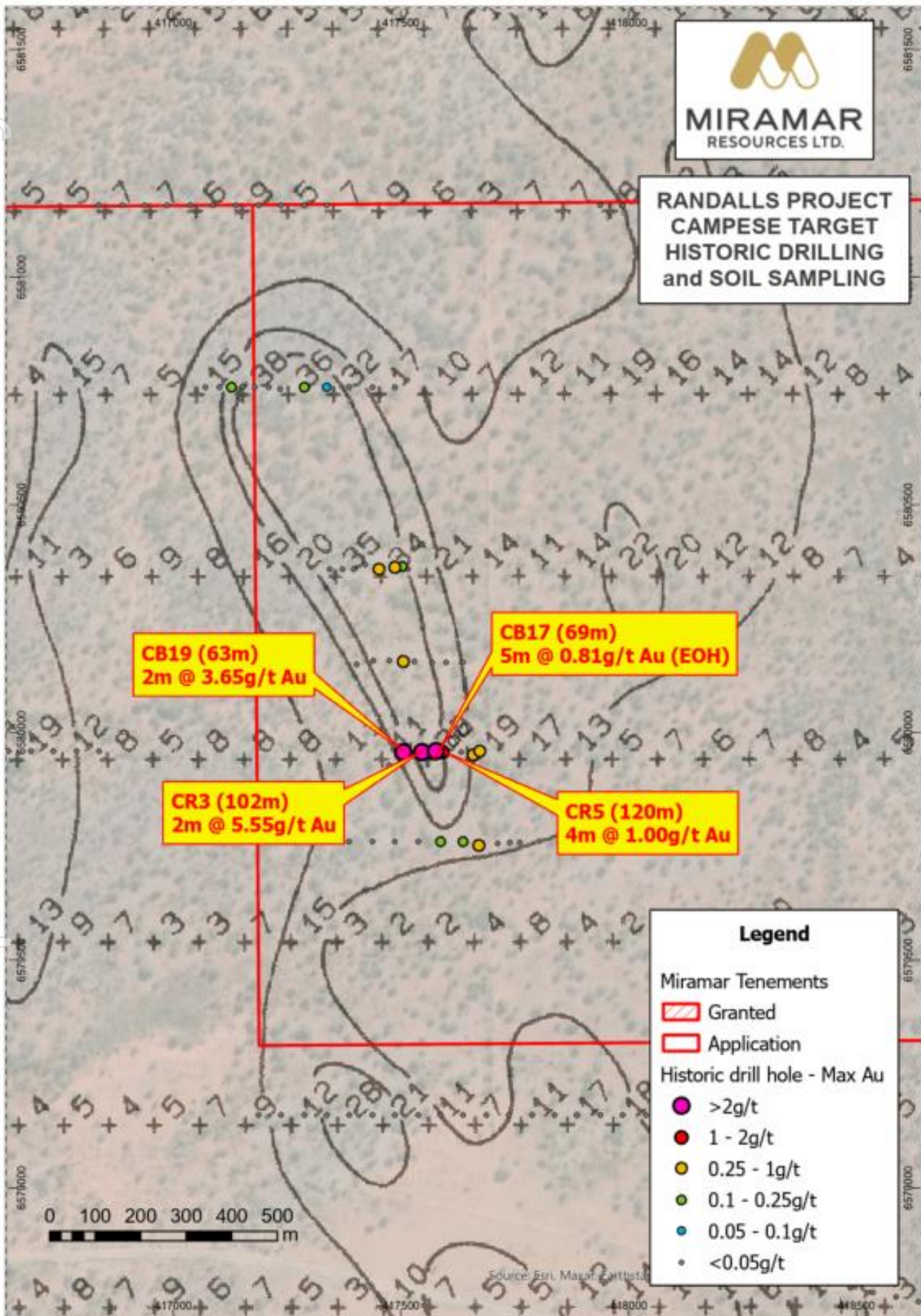


Figure 4. Campese target showing historic drilling results over the original soil anomaly (Au in ppb).

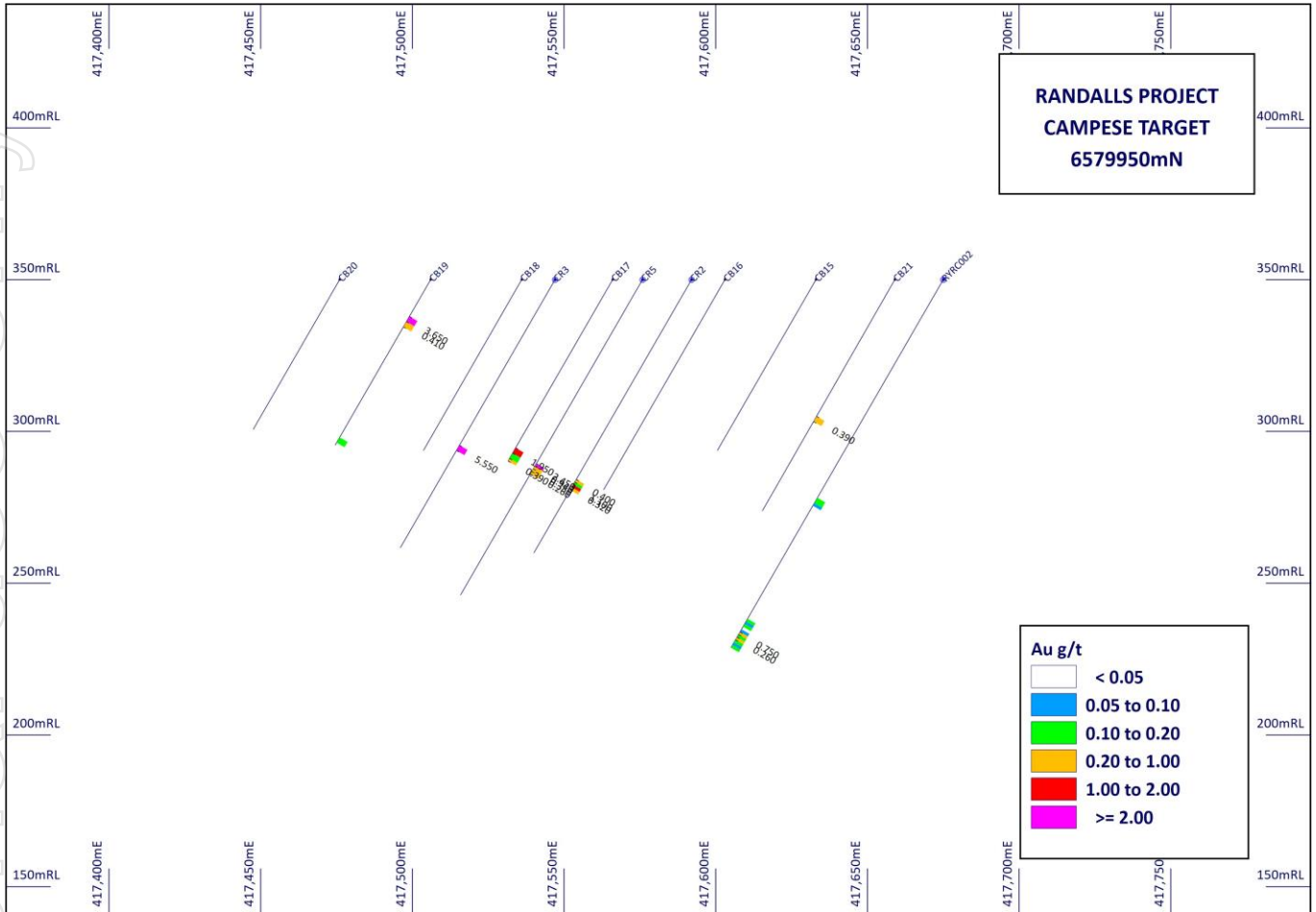
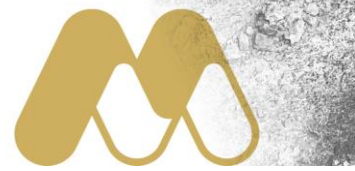
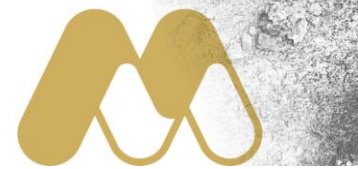


Figure 5. Campese target, cross section 6579950mN showing easterly dipping mineralisation.

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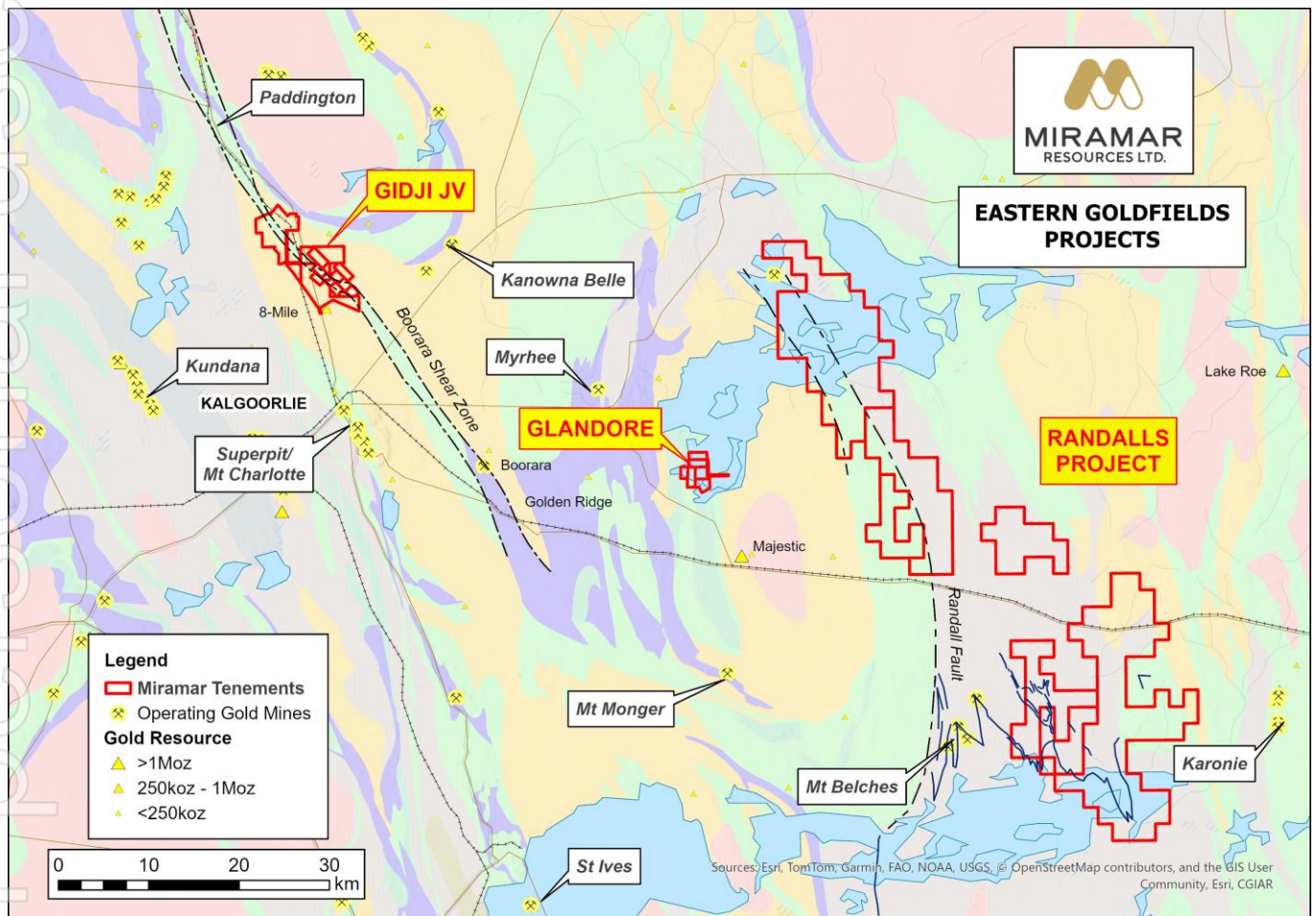
**About the Randalls Project**

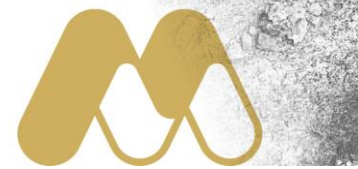
The large 100%-owned Randalls Project is located approximately 70 kilometres east of Kalgoorlie and surrounded by existing and proposed gold mining and processing infrastructure.

The northern part of the Project covers approximately 30 kilometres of strike of the Randall Fault, a major but underexplored regional structure which juxtaposes mafic rocks against the Belches Formation, which hosts the high-grade Mt Belches gold deposits, currently being operated by Vault Minerals Limited, and the Farr-Jones gold prospect.

Much of the Randalls Fault remains undrilled despite multiple significant shallow historical drill intersections.

The southern part of the Project contains a complexly folded banded iron formation along strike from the Mt Belches gold operations and has potential for gold and lithium mineralisation.

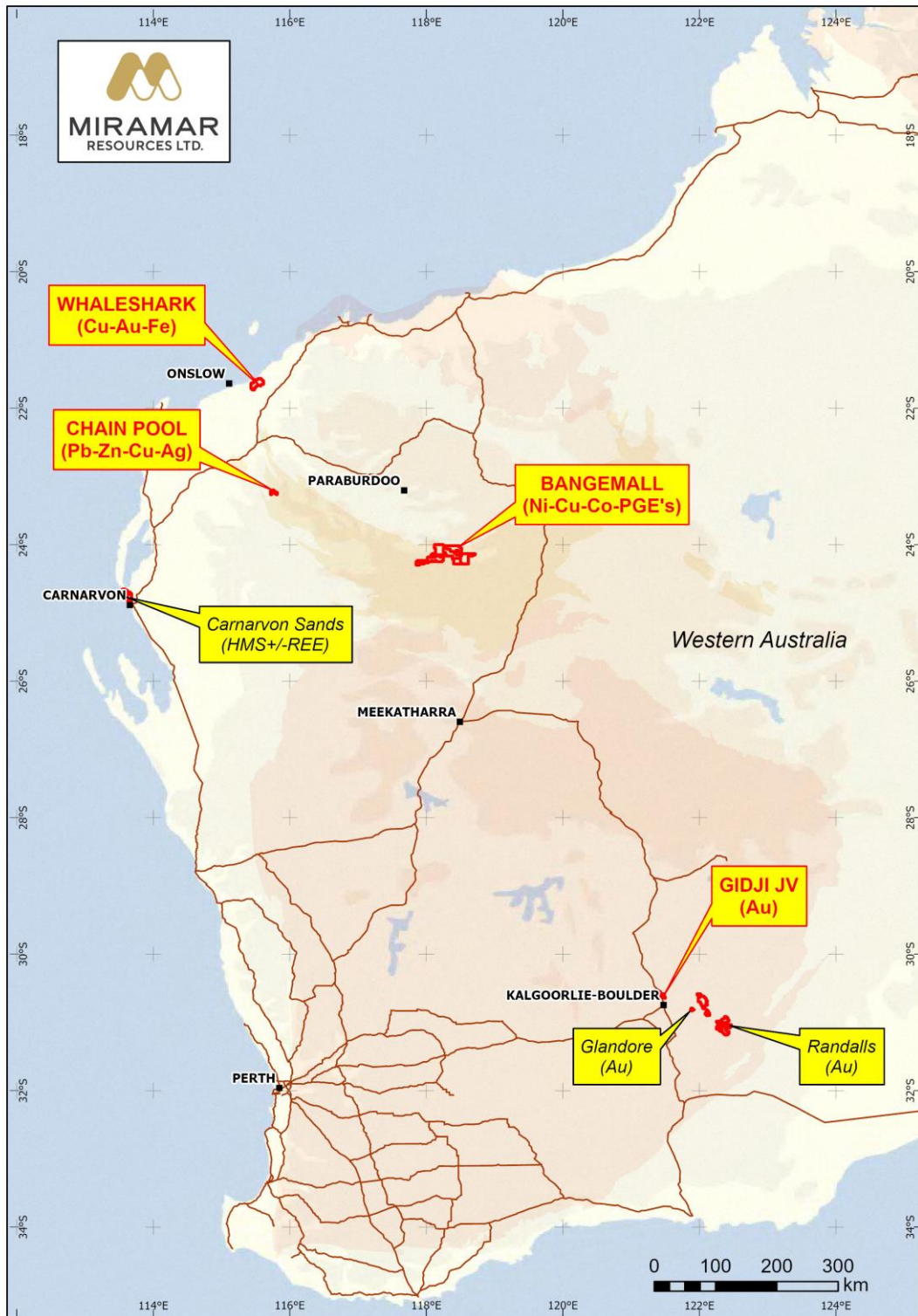




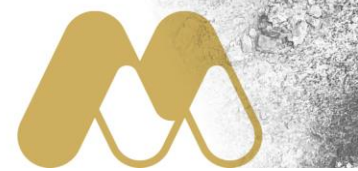
**About Miramar Resources Limited**

Miramar Resources Limited is an active, WA-focused mineral exploration company exploring for gold, copper and Ni-Cu-PGE deposits in the Eastern Goldfields and Gascoyne regions of WA.

Miramar’s aims to create shareholder value through discovery of high-quality mineral deposits and the Company’s Board has a track record of discovery, development and production within Australia, Africa, and North America.



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## COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Allan Kelly, a “Competent Person” who is a Member of The Australian Institute of Geoscientists. Mr Kelly is the Executive Chairman of Miramar Resources Ltd. He is a full-time employee of Miramar Resources Ltd and holds shares and options in the company.

Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken 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’. Mr Kelly consents to the inclusion in this Announcement of the matters based on his information and in the form and context in which it appears.

Historical exploration results for the Randalls Project, including JORC Table 1 and 2 information where applicable, is included in the Miramar Prospectus dated 4 September 2020 and/or in the WAMEX reports listed below.

A number	Report Year	Company
a025117	1988	Billiton Australia Pty Ltd
a027817	1989	Mt Martin Gold Mines NL
a030689	1990	Mt Martin Gold Mines NL
a033642	1991	Mt Martin Gold Mines NL
a035365	1992	Curtin Mining NL
a036554	1992	Metana Minerals NL
a039477	1993	CRA Exploration Pty Ltd
a040111	1993	Mt Martin Gold Mines NL
a040112	1993	Mt Martin Gold Mines NL
a041957	1994	CRA Exploration Pty Ltd
a042925	1994	Titan Resources NL
a045073	1995	Mount Monger Gold Project Pty Ltd
a045875	1995	CRA Exploration Pty Ltd
a046117	1995	Titan Resources NL
a048544	1996	Mount Monger Gold Project Pty Ltd
a049518	1996	Titan Resources NL
a054113	1996-1998	Mount Monger Gold Project Pty Ltd
a054185	1998	Julia Mines NL
a056424	1998	Mount Monger Gold Project Pty Ltd
a057926	1997	Hampton Hill Mining Pty Ltd
a060941	2000	Solomon (Australia) Pty Ltd
a061543	1993-2004	Solomon (Australia) Pty Ltd
a065396	2002	Auriongold Exploration Pty Ltd
a065889	2002	South Kal Mines Pty Ltd
a066730	1993-2004	Placer Dome Asia Pacific Pty Ltd
a066940	2003	Placer Dome Asia Pacific Pty Ltd
a068758	2004	Newcrest Mining Limited
a073803	2006	Integra Mining Limited
a076443	2006	Avoca Resources Limited
a076734	2007	Rubicon Resources Limited
a088372	2010	Integra Mining Limited