

24 July 2018

June 2018 - Quarterly Activities Report

HIGHLIGHTS

Yandal West

- Further encouraging gold results were reported at Yandal West during the quarter including:
 - HFRC025: 6m @ 2.24g/t gold from 79m depth (including 1m @ 4.27 g/t)
 - HFRC040: 1m @ 11.6g/t gold from 82m depth
 - HFRC041: 1m @ 3.08g/t gold from 89m depth
- These results indicate drilling continues to intersect numerous mineralised structures containing veining and alteration on the Western Gold Trend at May Queen prospect
- A further 26 holes for 2,316m were drilled during the quarter to test the Eastern Gold Trend of the 3.5km long May Queen gold-in-soil geochemical anomaly.
- The drilling was on very broad spaced drill lines and intersected strong shearing with sulphide alteration and quartz veins. Assay results are pending

Yerrida South

- 3 RC holes for 522m completed at the Chisel prospect
- Promising geological evidence to support further base metal exploration was encountered in the drilling

Yerrida North JV

- JV Partner Sandfire Resources Ltd completed a large airborne EM survey.

Summary

During the June 2018 quarter, Great Western Exploration Limited ("the Company"; ASX: GTE) received encouraging gold results from Phase 2 reverse circulation ("RC") drilling and commenced Phase 3 RC drilling at its Yandal West Gold project. Phase 3 drilling intersected strong shearing with sulphide alteration as well as variable amounts of quartz veining in previously untested areas. Assay results are pending.

In addition, the Company completed 3 RC drill holes at its Chisel prospect located within its 100% owned Yerrida South project. The drilling was to test a gravity anomaly for sedimentary hosted base metal mineralisation and intersected promising geological evidence that supports the case for further base metal exploration in this region.

Also during the quarter, Sandfire Resources Limited (“Sandfire”; ASX: SFR) completed a large Airborne EM survey (“AEM”) at the Company’s North Yerrida JV project. Sandfire has reported the AEM has proven very valuable in supporting a 3D interpretation of the basin's geological architecture.

Yandal West Gold Project (Ives Find 100%; Harris Find 80%)

The Yandal West Gold project is located within Western Australia’s world-class Yandal gold belt. The project is 55 km along strike to the northwest & north of the Bronzewing (~ 3M oz.) and Mt McClure (~ 1.2M oz.) gold deposits respectively and 60km southeast of the Jundee gold deposit (> 10M oz.) (Fig 1). The project comprises the 100% owned Ives Find, and the 80% owned Harris Find tenements.

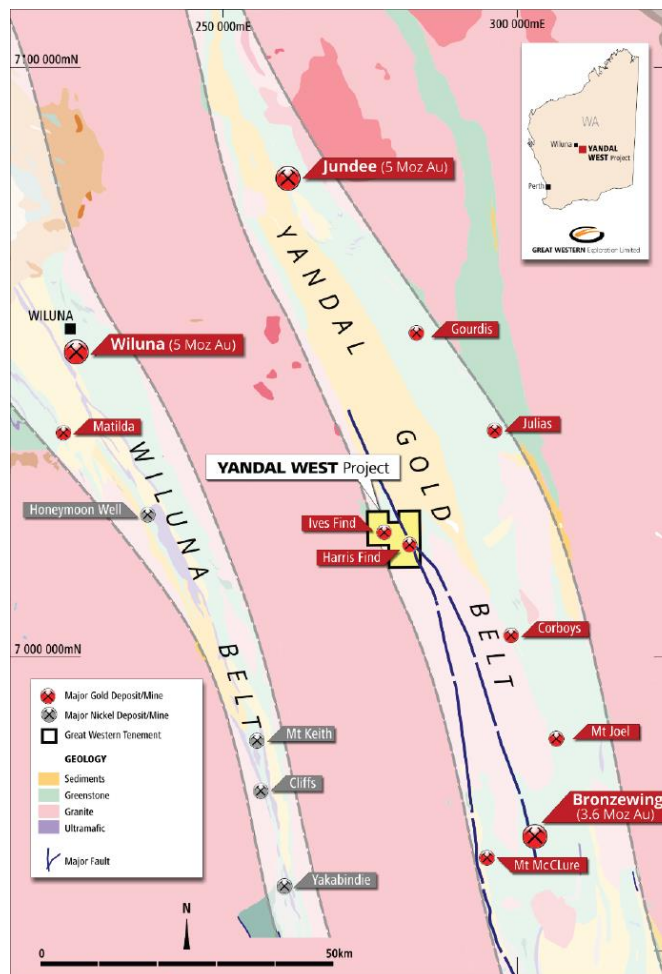


Figure 1. Location of the Yandal West Gold project in the Yandal greenstone belt

During the quarter the company received the results from Phase 2 drilling at May Queen. This drilling intersected numerous gold mineralised zones within the western gold trend of the 3.5km x 1.5km May Queen gold-in-soil anomaly. These mineralised zones occur up to 3km apart and the Company believes they are occurring within an extensive interconnected gold system of which it estimates only 10% has been tested to date. The potential of this area is further emphasised by the occurrence of high-grade lodges within this system. The best results included:

- HFRC025: **6m @ 2.24g/t gold** from 79m depth (including **1m @ 4.27 g/t**)
- HFRC040: **1m @ 11.6g/t gold** from 82m depth
- HFRC041: **1m @ 3.08g/t gold** from 89m depth

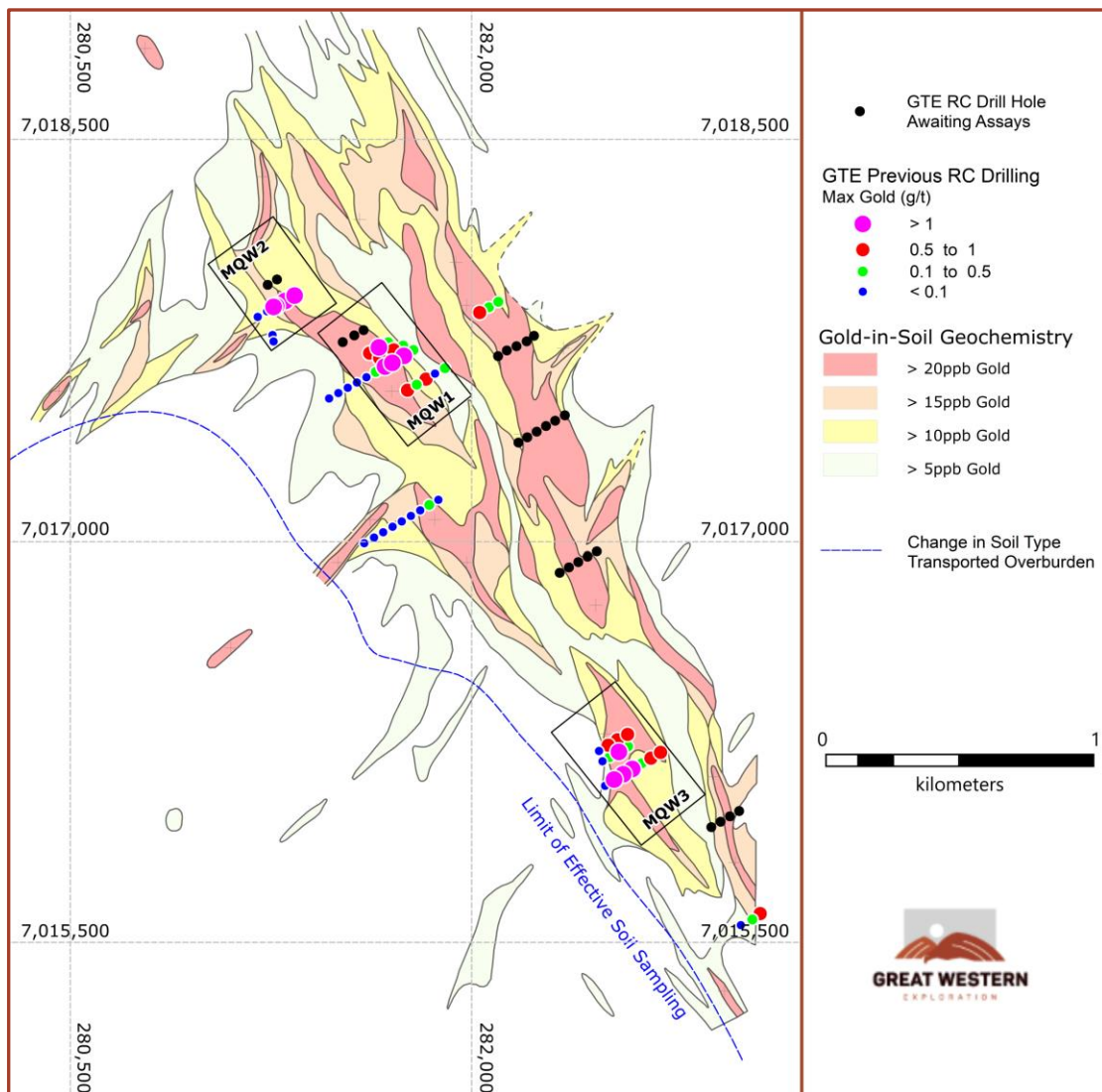


Figure 2. Recently completed drilling at May Queen, within the Yandal West Gold Project. RC hole collars shown as black dots are awaiting results in approximately 6 weeks

Drilling completed to date has mostly been within the western gold trend and strong gold mineralisation has been intersected at three locations, up to 2.3km apart, along this trend. The nature of the gold mineralisation is similar at the three locations suggesting that they may be linked by continuous gold bearing structures over this length.

The Stage 3 drilling completed during the quarter was mostly very broadly spaced lines of overlap RC drilling to test the eastern gold trend of the May Queen gold anomaly (**Fig 2**). A total of 26 RC holes for 2,316m were completed on at least 400m line spacing, but more typically 200m line spacing in the stronger areas of the anomaly. All the drill lines intersected strong shearing with sulphide alteration as well as variable amounts of quartz veining with the assay results pending.

The Company's plan is to systematically test the May Queen gold-in-soil anomaly on broadly spaced drill lines prior to infill drilling. This will be achieved by campaign style drilling comprising of between 1,500m to 2,000m per programme, then assess the results and make the appropriate adjustments as required. The Company anticipates that further campaigns will be required to achieve this initial broad spaced coverage as well as any additional drilling that is planned as a subsequence of this work.

To date drilling has intersected zones of strong gold mineralisation in at least four areas within the May Queen gold-in-soil anomaly. The mineralisation is similar at each target, comprising of high grade lodes (up to 98.7 g/t gold) within a broader gold mineralised system that appears to be shear hosted. Significant intersections from each target include:

HFRC015:	5m @ 1.28 g/t gold from 1m (includes 1m @ 4.24 g/t)
HFRC019:	16m @ 1.64 g/t gold from 13m (includes 1m @ 13.1 g/t)
HFRC019:	3m @ 2.51 g/t gold from 33m (includes 1m @ 5.93 g/t)
HFRC019:	6m @ 1.22 g/t gold from 60m (includes 1m @ 5.92 g/t)
HFRC022:	11m @ 9.58 g/t gold from 57m (includes 1m @ 98.7 g/t)
HFRC025:	6m @ 2.24g/t gold from 79m depth (includes 1m @ 4.27 g/t)
HFRC040:	1m @ 11.6g/t gold from 82m depth
HFRC041:	1m @ 3.08g/t gold from 89m depth

Yerrida South Project (100%)

The 100% owned Yerrida South tenure is within the southern area of the Proterozoic Yerrida Basin that the Company considers prospective for base metals including copper, cobalt, lead, zinc, silver and vanadium (**Fig 3**). There are currently two prospects identified for further work; Chisel and Frustration Well.

As previously announced (ASX Release – 04/04/18), 3D modelling of the Company's detailed gravity data at the Chisel prospect by Newexco Consultants identified a highly prospective, and large-scale base metals target with the modelled zone being approximately 2000m in length, 500m in width and 500m deep that comes within 50m of the surface. During the quarter completed 3 RC drill holes for a total 522m to test the nature of this gravity anomaly.

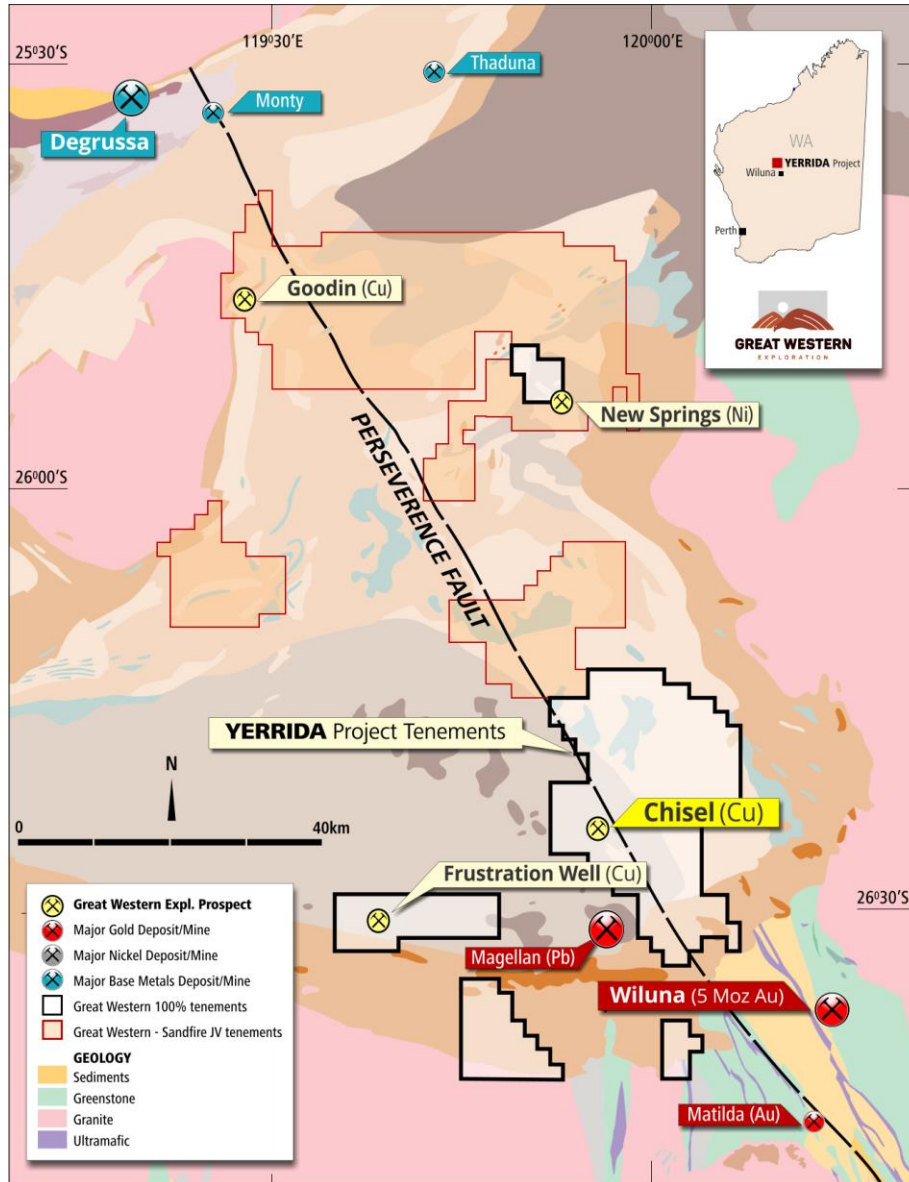


Figure 3. Location of Yerrida North JV and Yerrida South (100%) projects.

The drilling at Chisel intersected promising geological evidence that included a 3m interval of strong pyrite and/or Pyrrhotite (sulphide minerals) within a sequence of fine grained clastic sediments, at the end of the third hole (200m depth). The Company believes this is an indication that the geological process that results in some styles of sediment hosted base metal mineralisation is occurring within the area of the gravity anomaly and that further work is required.

Yerrida North JV (Sandfire earning 70%)

During the quarter Sandfire commissioned a large scale, heli-borne electromagnetic survey (“AEM”) survey across the entire Great Western/Sandfire joint Venture and Sandfire 100% held tenure in the Yerrida Basin. This survey was designed to complement existing GTE flown EM data.

The survey was successfully completed in May and subsequent processing and inversion of the dataset is now complete, with a full suite of conductivity sections and depth-slices generated to supplement a comprehensive interpretation of the data.

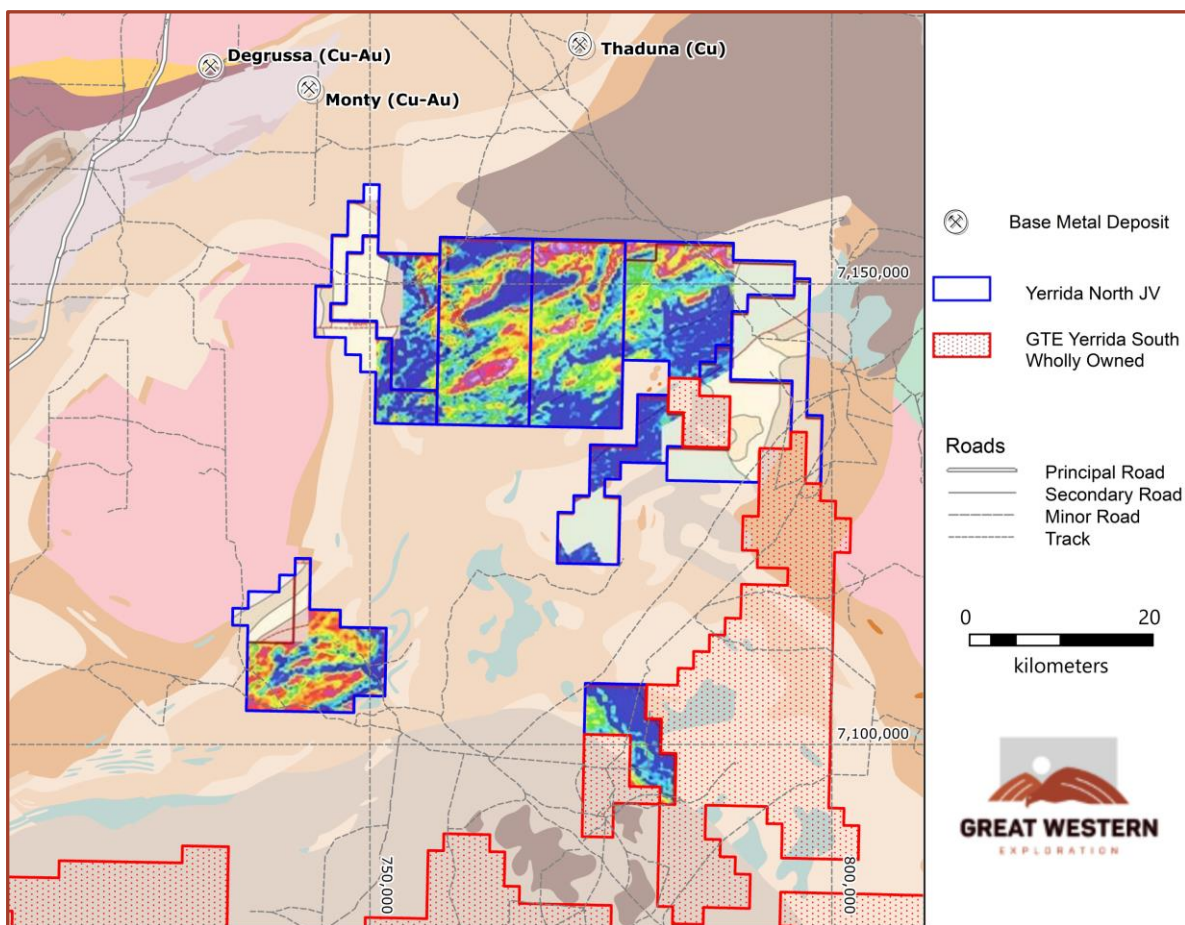


Figure 4. AEM image showing the area flown by Sandfire during the quarter.

The survey has successfully mapped highly variable conductive terrain, owing to the prevalence of the Johnson Cairn Formation containing numerous graphitic sequences. The area is peculiar for its extremely low magnetic relief. Consequently, building a basin-wide geological picture has been difficult in an area of pervasive cover. The AEM has proven very valuable in supporting a 3D interpretation of the basin's geological architecture.

The regional interpretation is ongoing; utilising aeromagnetic, gravity and the new AEM imagery to inform target generation. This will be used to inform future exploration activities within the Yerrida project.

The Yerrida North JV tenure is considered prospective for copper-gold, copper-cobalt, nickel-cobalt and gold. Sandfire entered into a Farm-In Agreement where they have committed to a minimum exploration spend of \$1.7 million over three years and may initially earn 70% by delineating at least 50,000t in-ground copper Mineral Resource.

The Farm-In is a strong endorsement of Yerrida's base metal potential and allows the Company's northern Yerrida tenements to be explored by one of Australia's most successful exploration teams, having discovered the nearby Degruessa and Monty VMS deposits. Sandfire also have significant infrastructure including a treatment plant at Degruessa, located approximately 25 km north, which is within trucking distance of the project.

The Farm-In Agreement provides a clear pathway from discovery to production for the project and it frees up resources and funds for the Company, enabling a greater focus and expenditure commitment on its other copper-cobalt, VMS and gold projects.

Fairbairn Copper - Cobalt- Nickel; Project (100%)

The Fairbairn project area is located approximately 170 kilometres north of Wiluna and is situated on the Jenkins-Goodin Fault Zone along strike from the Degruessa copper deposit and has total area of 1,670 km². The Company believes this prospect is prospective for Proterozoic base metals, including copper, cobalt, lead, zinc, silver and manganese, as well as Archaean gold and nickel sulphide mineralisation.

The Company is still compiling data on these areas and will make a further announcement once this work is completed.

References

Latest Round of Drilling at Yandal West Gold Project Completed	ASX Release 19 June 2018
Further High-Grade Gold at Yandal West	ASX Release 14 May 2018
Sandfire Commences Airborne EM at Yerrida North JV	ASX Release 03 May 2018
Chisel Base Metal Drilling Update	ASX Release 30 April 2018
Drilling Commenced at Chisel Base Metal Prospect	ASX Release 18 April 2018
Drilling Planned for Large Base Metal Target at Chisel	ASX Release 04 April 2018
Further Strong Results and High-Grade Gold at Yandal West:	ASX Release 30 January 2018
Yandal West Gold Project Drilling Update:	ASX Release 22 December 2017
Phase 2 Drilling Commenced at Yandal West Gold Project:	ASX Release 08 December 2017

Greenfields Gold Discovery at Yandal West Project:	ASX Release 28 November 2017
Chisel Prospectivity Enhanced Following Gravity Survey:	ASX Release 15 November 2017
Latest Yandal West soil sampling results:	ASX Release 19 October 2017
Yandal West detailed aeromagnetic survey results:	ASX Release 01 August 2017
Quarterly Report - September 2017:	ASX Release 31 October 2017

Competent Person Statement

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr. Jordan Lockett who is a member of the Australian Institute of Mining and Metallurgy. Mr. Lockett is an employee of Great Western Exploration Limited and has sufficient 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 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Lockett consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Tenement Schedule

Project	Tenement	Status	Holder	Ownership	Comments
Yandal West	E 53/1369	Live	Vanguard Exploration Ltd	100%	
Yandal West	E 53/1612	Live	Diversified Asset Holdings Pty Ltd	80%	Diversified free carried to BFS
Yandal West	E 53/1816	Live	Diversified Asset Holdings Pty Ltd	80%	Diversified free carried to BFS
Yandal West	E 53/1949	Pending	Great Western Exploration Limited	100%	
Yerrida South	E 51/1727	Live	Great Western Exploration Limited	100%	
Yerrida South	E 51/1807	Live	Great Western Exploration Limited	100%	
Yerrida South	E 51/1855	Pending	Great Western Exploration Limited	100%	
Yerrida South	E 51/1856	Pending	Great Western Exploration Limited	100%	
Yerrida South	E 53/1713	Live	Great Western Exploration Limited	100%	
Yerrida South	E 53/1730	Live	Great Western Exploration Limited	100%	
Yerrida South	E 53/1740	Live	Great Western Exploration Limited	100%	
Yerrida South	E 53/1917	Live	Great Western Exploration Limited	100%	
Yerrida South	E 53/1948	Live	Great Western Exploration Limited	100%	
Yerrida North JV	E 51/1324	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1330	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1560	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1712	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1723	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1724	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1728	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1746	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1747	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1819	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Yerrida North JV	E 51/1827	Live	Great Western Exploration Limited	100%	Sandfire earning 70%
Fairbairn	E 52/2517	Live	Aus Diamond Mining Group Pty Ltd	0%	100% of all Non-Diamond Mineral Rights
Fairbairn	E 52/3528	Pending	Great Western Exploration Limited	100%	
Fairbairn	E 69/3193	Live	Aus Diamond Mining Group Pty Ltd	0%	100% of all Non-Diamond Mineral Rights
Fairbairn	E 69/3442	Live	Vanguard Exploration Ltd	100%	
Fairbairn	E 69/3443	Live	Vanguard Exploration Ltd	100%	
Fairbairn	E 69/3495	Pending	Great Western Exploration Limited	100%	
Fairbairn	E 69/3496	Pending	Great Western Exploration Limited	100%	

ASX ANNOUNCEMENT

ASX: GTE



Project	Tenement	Status	Holder	Ownership	Comments
Fairbairn	E 69/3499	Pending	Great Western Exploration Limited	100%	
Fairbairn	E 69/3534	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1877	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1878	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1879	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1880	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1881	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 51/1882	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 52/3610	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 52/3611	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 53/1982	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 53/1983	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 53/1987	Pending	Great Western Exploration Limited	100%	
North Yilgarn	E 53/1988	Pending	Great Western Exploration Limited	100%	
Doolgunna North	E 52/3527	Live	Great Western Exploration Limited	100%	
Pilbara	E 45/5021	Pending	Great Western Exploration Limited	100%	