

Peako to Commence 2021 Field Campaign to Test Priority Targets

Highlights

- **Peako's 2021 Field campaign to commence in April for immediate testing of twenty nine highly prospective targets across nine prospect areas encompassing multiple styles of mineralisation.**
- **Prospectivity of the areas is confirmed via Peako's extensive data library, incorporating five decades of historical geological data including anomalous gold geochemistry (soil, rock, drilling), geophysics (VTEM, magnetics), as well as recently acquired satellite spectral alteration indicators.**
- **A 6,000+ metre Aircore program is scheduled to start in May 2021.**

Peako Limited (ASX: PKO, Peako) is pleased to advise that its 2021 field campaign on our East Kimberley gold-copper project is scheduled to commence in April 2021 following the end of the wet season. Peako's aim is to have a continuous presence in the field throughout the 2021 field season in order to advance its East Kimberley holdings as rapidly as feasible towards discovery.

Peako has defined 29 highly prospective targets across nine prospect areas on the Eastman tenement for final field checking and subsequent aircore drill testing.

The prospects have been defined from Peako's comprehensive historical data library, integrated with recent field work and newly acquired spectral mapping data suites. Targets incorporate a range of encouraging geological features including anomalous gold geochemistry (soil, rock, drilling), geophysics (VTEM, magnetics), prospective structure, as well as encouraging satellite spectral imagery alteration indicators.

The Company is presently finalising arrangements for the 2021 field season, having received Western Australia Government Program of Work approval for aircore testing, secured field personnel and contracted an aircore drill rig.

Technical Details

Priority prospect areas comprise 29 targets across multiple styles of mineralisation, including:

- Gold vein lodes spatially associated with structural targets (thrust and fold hinge zones)
- Gold and copper intrusion-related systems
- PGE and Cu-Ni in ultramafic sequences

The East Kimberley is known to host numerous gold deposit styles including intrusion-related, orogenic and epithermal and spanning multiple depositional and mineralising events.

Approximately 260 vein and hydrothermal gold occurrences are documented by Government datasets across the region (refer Figure 1).

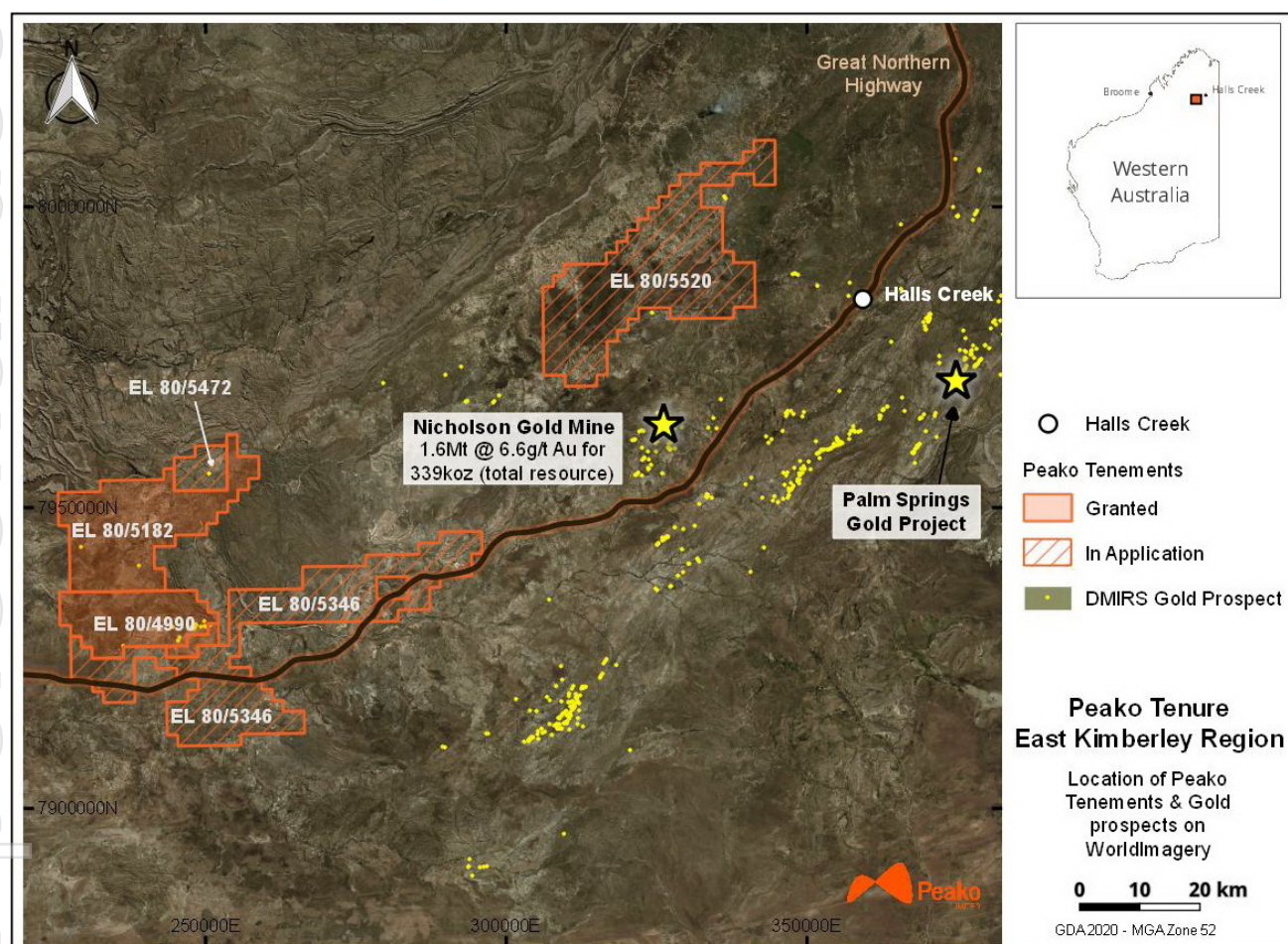


Figure 1 Peako's East Kimberley tenement holdings and location of major gold deposits and gold occurrences (DMIRS database).

Peako's Eastman (E80/4990) tenement area has been the subject of very little gold exploration historically with few explorers analysing their soil, rock or drill samples for gold. Gold exploration has largely been peripheral to the focus of exploration for base metal sulphides including copper-lead-zinc and copper-nickel-PGE styles of mineralisation. Previous explorers executed disjointed and sporadic exploration campaigns across fragmented tenement holdings targeting a wide range of mineralisation styles and commodities over a large area.

The Eastman tenement's potential prospectivity for gold is validated by a known gold signature as demonstrated by Peako's 2019 RC drilling results, as well as historical rock chip results (refer Figure 2) that include rock samples with up to 11.7g/t Au. In 2019, RC drilling results identified gold a latent gold potential at Landrigan such as PLRC004 with 6m at 1.16g/t Au and 27.27g/t Ag and PLRC001 with 7m at 1.1 g/t Au and 7.51 g/t Ag. In addition, petrology results from 2019 RC chip samples identified the gold to occur as free grains hosted by deformed quartz veins.

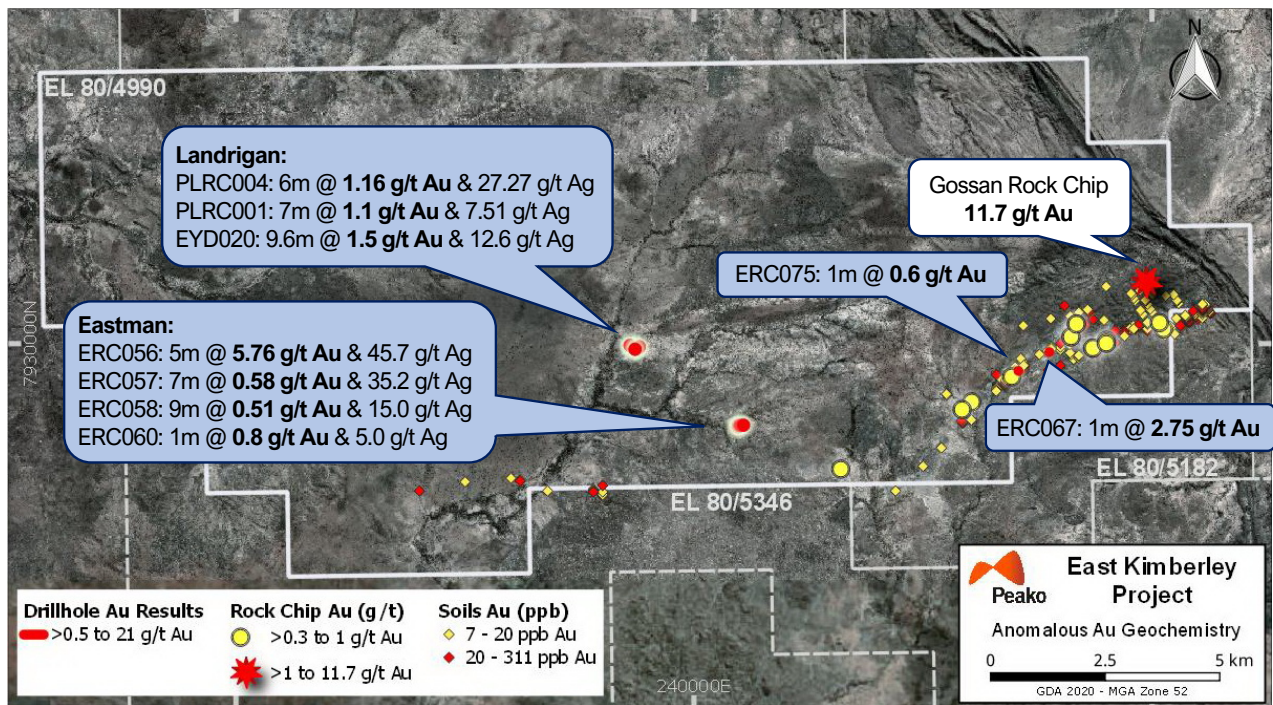


Figure 2 Location of anomalous gold responses

Defined prospect areas for testing during the upcoming 2021 field season are hosted within both the Koongie Park Formation volcanic belt (KPF) and the Lamboo Ultramafic intrusive belt (LUM) with both having differing mineral potential :

- KPF (five prospects) within bimodal volcanic to volcanoclastics with interbedded carbonate and ironstone facies intruded by multistage, multi-compositional porphyry intrusions with targets having potential for base metal and gold endowment.
- LUM (four prospects) affiliated with structurally complicated peridotite to pyroxenite cumulate layers dissected by large cataclastic quartz vein sulphide-bearing shear zones intruded by multistage granitoid/porphyry. Ultramafic units have ubiquitous soil gold anomalism (Au >7 ppb) potentially affiliated with fertile crustal structures.

Priority prospect areas are shown in Figure 3, with key features summarised in Table 1:

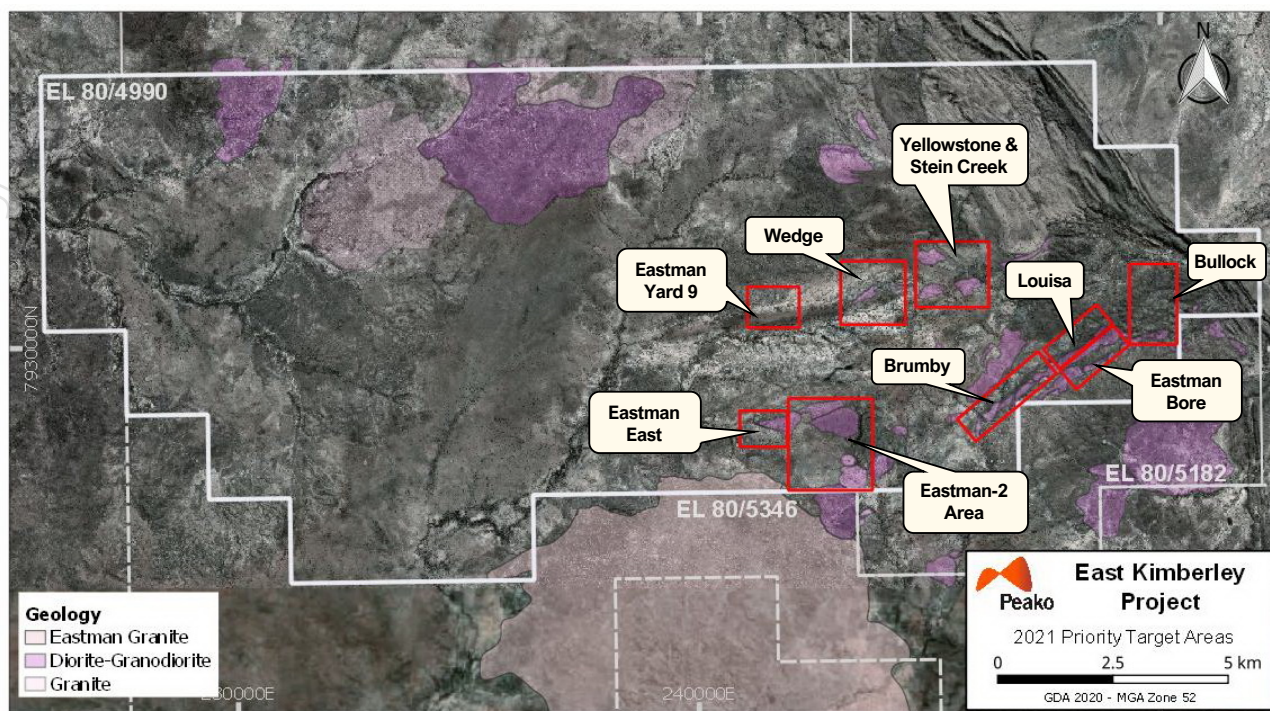


Figure 3 High priority target areas on the E80/4990 Eastman tenement for immediate follow up in the 2021 field season

Prospect	Targets	Target Style
Brumby	3	Defined geochemical and spectral anomalies; Intrusion related gold, PGE and copper targets
Eastman Bore 1	4	Defined geochemical and spectral anomalies; Intrusion related gold, PGE and copper targets
Louisa	4	Gold lode targets with defined folds and shear zones association with known quartz vein arrays; intrusion related gold, PGE and copper targets
Eastman-2 Area	5	Defined geochemical and spectral anomalies; Intrusion to skarn related gold and copper targets
Eastman East	4	Defined geochemical and spectral anomalies; Intrusion to skarn related gold and copper targets
Eastman Yard 9	1	Defined geochemical and spectral anomalies; Intrusion related gold and copper targets
Wedge	1	Defined geochemical and spectral anomalies; Intrusion related gold and copper targets
Yellowstone & Stein Creek	3	Intrusion related gold and copper targets
Bullock	4	Defined geochemical and spectral anomalies; Intrusion related gold, PGE and copper targets

Table 1 Priority prospect areas – key features

Phase 1 Aircore Drilling Program

The first phase of Peako's 2021 field season incorporates field checking validation, and tightening of target zones followed by aircore drilling of the prioritised targets scheduled to commenced in May 2021. Aircore drilling will incorporate between 6,000m to 8,000m across priority targets with nominal line spacings between 100 to 200m.

Subsequent RC drilling is planned for later in the field season to test existing high priority targets where historic datasets have defined walk up drill-ready targets as well as targets with encouraging aircore results from the May geochemistry program.

Peako's 2021 drilling activities are supported by two Western Australian Government Exploration Incentive Scheme ("EIS") co-funded drilling grants totalling \$320,000. The Round 21 EIS grant is for an amount of \$150,000 for 50% of direct drilling costs incurred prior to 30 June 2021. The Round 22 grant is for a further \$150,000 amount for 50% of direct drilling costs incurred prior to 31 December 2021, as well as up to \$20,000 towards mobilisation costs.

E80/5182 Wirana Exploration

Reconnaissance mapping and rock sampling of the E80/5182 Wirana tenement is also planned to define targets for drill testing later in the field season.

Regional geology and recently completed Worldview-3 imagery over the tenement confirm the Wirana area to contain prospective host rock sequences including ultramafic and volcanoclastic to turbidite sedimentary sequences that are widely intruded by multistage granitoid intrusions affiliated with intense zones of spectral alteration. Although a number of historical base and precious metal prospects are defined, the area has only undergone precursory work by historical explorers (refer Figure 4). Data compilation and interpretations are still in progress.

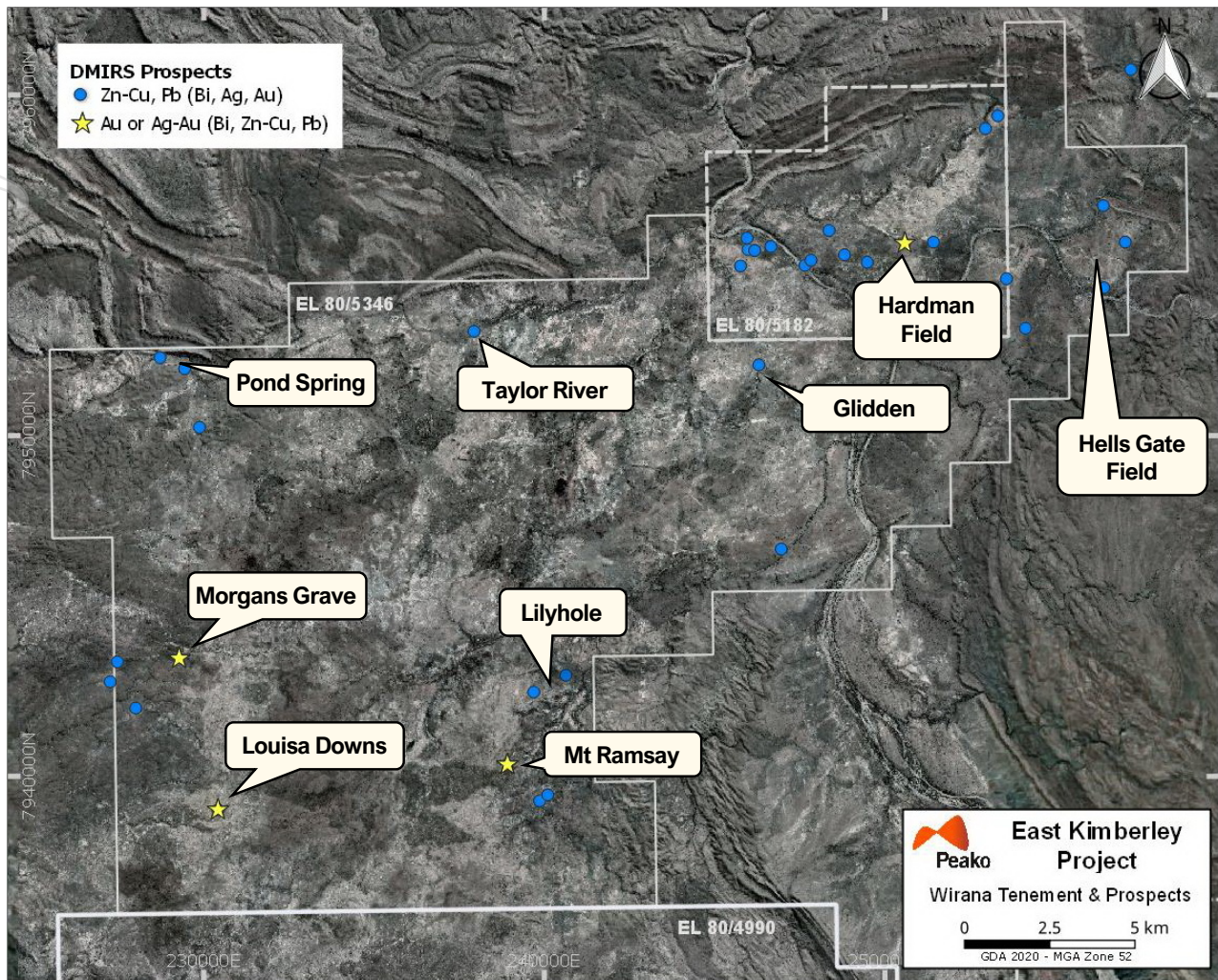


Figure 4 Wirana E80/5182 tenement area and location of key historical prospects [

Peak Chairman, Mr Geoff Albers, commented “We are excited to have our experienced and dedicated team led by Dr Darryl Clark (Technical Director) heading into the field this forthcoming season to execute our developed strategy for testing of high quality targets across our East Kimberley acreage. We are approaching a defining moment, with our focus on more than 25 targets across 9 key prospects developed in our E80/4990 Eastman tenement. In addition, we continue to identify further prospectivity across our Wirana E80/5182 tenement immediately to the north of our Eastman tenement”.

References

Further details relating to the information provided in this release can be found in the following Peako ASX announcements:

13 November 2020	East Kimberley Project Update
20 August 2020	East Kimberley Exploration Update
30 April 2020	Quarterly Reports – 31 March 2020
30 January 2020	Infill RC Sample Results
28 November 2019	East Kimberley Drilling Results Extend Known Copper-Gold Mineralisation
30 September 2019	Extension of East Kimberley Copper-Gold RC Drilling Program
23 September 2019	RC Drilling Commences at East Kimberley Copper-Gold Project
23 May 2019	Drilling Grant Awarded
28 November 2018	Projects Update
31 October 2018	Quarterly Activities Report
15 August 2018	IP Geophysical Survey to Commence Shortly at Eastman

Competent Person Declaration

The information in this report that relates to Exploration Results and Historical Exploration is based on information compiled or reviewed by Dr Daryl Clark who is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM). Dr Clark is a director of and consultant to Peako Limited and has sufficient experience which is relevant to the style of mineralisation and type 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. Dr Clark consents to the inclusion in this report of the matters based on information provided by him and in the form and context in which it appears.

For more information

Rae Clark

Director, Peako Limited | +61 3 8610 4702 | info@peako.com.au