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ASX: CYL

Quarterly Activities Report

Quarter ended 30 September 2020

SUMMARY

- **Four Eagles Gold Project**
  Eagle 5 prospect records 1.0m @ 43.5g/t Au, 9.0m @ 2.0g/t Au, 6.0m @ 1.22g/t Au east of Boyd's Dam.

  Further high-grade gold mineralisation recorded at shallow depths at Boyd North:

  - **8m @ 4.9g/t Au from 42m**
  - **3m @ 19.35g/t Au from 35m**
  - **7m @ 5.68g/t Au from 39m**

  Geological indications suggest that the mineralisation encountered at Boyd North has the potential to continue southward at greater depth beneath Boyd's Dam.

- **Tandarra Gold Project**
  Tomorrow Zone - extension of a discordant west-dipping fault complex thought to control gold emplacement confirmed by four diamond drill holes.

  - **Four gold intervals intersected in DDT025, ranging in assay from 2.4 - 3.5g/t Au**
  - **Highlight intercept of 1m @ 82.3g/t Au from 261m in DDT026**

  Macnaughtan Zone - 1.4km strike length of gold mineralisation confirmed in reconnaissance air core drilling, along the southern end of the zone.

  - **13m @ 7.8g/t Au, including 2m @ 44.8g/t Au, from 78m in ACT464**
  - **2m @ 2.1g/t Au from 106m in ACT446**

  Lawry Zone - confirmatory sample analyses enhance Lawry Zone gold mineralisation

  - **31m @ 1.4g/t Au from 56m in ACT378, including 1m @ 10.5g/t Au at blade refusal**
  - **2m @ 1.8g/t Au from 91m in ACT376**

  Extensive follow-up drilling programs planned for the 2020-21 field season

- **Golden Camel Project**
  Diamond drilling beneath the Golden Camel gold zone was completed with logging and analysis continuing through the Quarter. RC drilling around the historical Toolleen mine was suspended due to winter rains; interpretation continues.

- **Macorna Project**
  Minor sections of a gravity survey and 19 reconnaissance air core drill holes were completed in areas as available around weather events and farming activities. A best intersection of 3.0m @ 0.373g/t Au from 114m was returned from the arsenious anomaly.

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INTRODUCTION AND OVERVIEW

Catalyst Metals Limited (**Catalyst** or **the Company**) (**ASX: CYL**) has significant interests in two retention licences (RL's) and fourteen exploration licences (EL's) over the Whitelaw Gold Belt and similar geological terranes both to the east and to the west (Figure 1). These licences total some 2,100 square kilometres in area with the addition of the Golden Camel Project, where Catalyst has the right to acquire an interest in the Golden Camel mining leases MIN5548 and MIN5570 (Golden Camel mine) (Figures 1 and 7).

The Whitelaw Fault is a 75-kilometre long geological structure thought to control the emplacement of the Bendigo gold deposits, which extends in a generally northerly direction in favourable Ordovician rocks beneath the covering veneer of the Murray Basin sediments. In particular, the Four Eagles and Tandarra Gold Projects (respectively 55 kilometres and 40 kilometres north-northwest of Bendigo) contain gold discoveries similar in style to the historic Bendigo goldfield. The adjacent fault systems provide potential for Bendigo and/or Fosterville-style discoveries at the Drummartin, Boort, and Golden Camel projects.

SEPTEMBER 2020 QUARTER EXPLORATION PROGRAMS

The 2019/20 drilling program was completed during the September 2020 Quarter other than one traverse of the Mologa-Four Eagles air core program, and a number of RC holes at Golden Camel, which will be completed in the upcoming 2020/21 field season.

FOUR EAGLES JOINT VENTURE (CATALYST 50%)

Catalyst holds a 50% interest in the Four Eagles Gold Project with the other 50% held by Gold Exploration Victoria Pty Ltd (**GEV**) (a wholly owned subsidiary of Hancock Prospecting Pty Ltd). Exploration is jointly funded by Catalyst and GEV and is managed by Catalyst.

Retention Licence (RL) 006422 and adjoining exploration licenses comprises the Four Eagles Gold Project which contains a district of gold mineralisation approximately six kilometres long and 2.5 kilometres wide. Three geological trends have produced high grade gold mineralisation (Hayanmi, Boyd's Dam-Boyd North and Pickles) while another to the south-west (Cunneens) has revealed significant gold grades distributed along a three-kilometre strike length (Figure 2).

Diamond Drilling

The 2020 program saw the completion of a further 12 diamond drill holes totalling 4,140 metres. The final logging and analysis of the drill core was completed in the September 2020 Quarter and interpretation is ongoing. Substantial structural complexity continues to be apparent at depth.

Air Core Drilling

During 2020, 179 air core holes were drilled for a total of 19,252 metres on prospects including Boyd North, Hayanmi, Cunneens, Eagle 5, and Gravity Target 8 North on EL5295. At the Macorna Project, a further 19 air core drill holes were completed for a total of 2,486 metres.

Boyd North

Air core drilling over a 400-metre strike length of the Boyd North gold zone has further confirmed the presence of a shallow zone of high-grade gold mineralisation with the following intersections:

- **7.0 metres @ 5.68g/t Au from 39 metres in FE1007**
- **3.0 metres @ 19.35g/t Au from 35 metres in FE1013**
- **8.0 metres @ 4.94g/t Au from 42 metres in FE1017**
- **2.0 metres @ 6.42g/t Au from 86 metres in FE1003**

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It is interpreted that this high grade zone plunges beneath the Boyd's Dam Zone (Figure 3) and possibly relates to the significant gold-bearing structure in diamond drill hole FEDD015, which intersected 2.0 metres @ 10.1g/t Au and 4.0 metres @ 3.1g/t Au at 298 metres downhole.

Eagle 5 Prospect

Eagle 5 is an anomaly located between the Boyd's Dam structure and the Whitelaw Fault (Figure 2) which had previously received minimal exploration, as other areas were prioritised for further exploration. In 2020, air core drilling was carried out on two traverses about 1,500 metres apart and each traverse intersected gold mineralisation as summarised below:

- **1.0 metre @ 43.5g/t Au from 76 metres in FE1075**
- **9.0 metres @ 1.96g/t Au from 99 metres in FE1155**
- **6.0 metres @ 1.22g/t Au from 54 metres in FE1159**

These are considered highly significant values for such an early stage of testing and will require further air core drilling in the coming field season. Any new high-grade gold zone in this area could potentially be developed in conjunction with any future operation at Boyd's Dam.

Cunneens Prospect

Two holes of the air core drilling program in 2020 successfully intersected gold mineralisation, although the program is considered to be an inconclusive test of the five-kilometre long structure, and further drilling will be required:

- **3.0 metres @ 2.5g/t Au from 103 metres in FE1023**
- **2.0 metres @ 1.38g/t Au from 91 metres in FE1046**

Hayanmi Prospect

Air core drilling mostly targeted at the southern extension of the Hayanmi mineralised zone showed narrow zones of gold mineralisation with grades up to 12g/t Au but the mineralisation was not as continuous as with the northern one-kilometre long section of the structure. Some of the intersections included:

- **1.0 metre @ 9.67g/t Au, 1.0m @ 5.34g/t Au and 1.0m @ 8.3g/t Au in FE1070**
- **1.0 metres @ 10.1g/t Au and 1.0m @ 12.0g/t Au in FE1082**
- **2.0 metres @ 5.44g/t Au from 115 metres in FE1093**
- **2.0 metres @ 3.21g/t Au from 107 metres in FE1087**

Gravity Target 8 North (EL5295)

Air core drilling was carried out to test the northern extensions of multiple gravity targets as discovered through a geophysical survey conducted in 2016, in an area located about 12 kilometres north of the known gold mineralisation at Boyd's Dam. While there were reports of visible gold during the drilling, this was not supported by significant assays which may suggest that alluvial gold is present in the covering sediments. Two holes showed anomalous gold values between 0.5 and 0.7g/t Au and anomalous arsenic in a parallel trend. The location of the Gravity Target 8 North area with respect to Four Eagles is shown on Figure 6.

Refer to ASX announcement dated 26 October 2020 for further information on the Four Eagles air core drilling results.

2-D Seismic Survey

Data processing has been completed with interpretation ongoing in the September 2020 Quarter. The interpretation of this dataset will form a key input into the understanding of the geology of the deep diamond drilling completed to date and will inform the initial stages of resource development at Boyd's Dam.

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Community support

In August 2020, the Four Eagles Joint Venture donated $108,000 to health-related charitable organisations in Dingee and Pyramid Hill to support the local communities in which the Joint Venture is exploring.

TANDARRA JOINT VENTURE (CATALYST 51%)

Catalyst (through its 100%-owned subsidiary Kite Operations Pty Ltd) holds a 51% interest in the Tandarra Gold Project and Navarre Minerals Limited (**Navarre**) holds a 49% interest. Catalyst manages the joint venture with expenditures funded by Catalyst and Navarre in their respective proportions.

Tomorrow Zone

Results from the 1,302m diamond drill hole step-out program which tested deep targets beneath the Tomorrow Zone confirmed a further 400m strike extent of a large discordant west-dipping fault, thought to control the emplacement of gold mineralisation at the zone (Figures 4 and 5). All interpreted zones were intersected by the diamond core holes confirming the southern continuity of fertile structures. Key intersections included:

DDT025

- **1.0 metres @ 2.38g/t Au from 74 metres**
- **1.0 metres @2.52g/t Au from 80 metres**
- **1.0 metres @ 3.50g/t Au from 121 metres**
- **1.0 metres @2.92g/t Au from 327 metres**

DDT026

- **1.0 metres @ 82.30g/t Au from 261 metres**
- **1.0 metres @ 1.41g/t Au from 310 metres**

Refer to ASX announcement dated 13 October 2020.

Macnaughtan Zone

Confirmatory assay results for successive reconnaissance air core drilling programs completed during 2020, were received during the September 2020 Quarter. The programs tested the southerly extension of the Macnaughtan line of gold mineralisation on seven traverses spaced 100 to 270 metres apart, over 1,350 metres of strike length (Figure 5). Gold mineralisation was intersected on almost every traverse with the higher grades most concentrated in a 500-metre interval in the centre of the extension zone. Key intersections included:

- **13.0 metres @ 7.8g/t Au, including 2m @ 44.8 g/t Au, from 78 metres in ACT464**
- **1.0 metres @ 2.99g/t Au from 108 metres to end of hole**

Refer to ASX announcement dated 13 October 2020.

Lawry Zone

The easterly extensions of the southern reconnaissance air core traverses provided the first test of the Lawry Zone mineralisation (east of the Tomorrow Zone mineralisation, Figure 5). The main intersections were resampled and confirmed the significant mineralisation, with the key intersections including:

- **31.0 metres @ 1.40g/t Au, including 1m @ 9.40 g/t Au and 1m @10.45 g./t Au (at end of hole), from 56 metres in ACT378**
- **2.0 metres @ 1.84g/t Au from 91 metres in ACT446**

The mineralisation remains open to both north and south.

Refer to ASX announcement dated 13 October 2020.

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GOLDEN CAMEL PROJECT (CATALYST EARNING 50.1% INTEREST)

Catalyst is funding exploration to earn a 50.1% interest in the Golden Camel tenements (EL5449 & EL5490), located in the extreme south-east of the Company's tenure (Figure 1). The farm-in agreement with Golden Camel Mining Pty Ltd includes the right for Catalyst to purchase a 50.1% interest in Mining Licences MIN5548 and MIN5570 surrounding the Golden Camel mine, subject to certain conditions (Figure 6).

Golden Camel

The three diamond drill holes (completed during the June 2020 Quarter) have been logged and geochemical analysis is ongoing. These drill holes were targeted beneath the Camel Pit and in the case of GCD002, beneath the significant RC drill hole RCG018 (13m @ 4.0g/t Au from 101 metres: refer to ASX announcement dated 31 March 2020); and demonstrate sufficient geological encouragement to implement a follow-up program.

Toolleen

To date, six holes (896 metres) of the 13-hole RC program have been completed and analysed, with interpretation yet to be finalised. The interpretation will be completed in concert with preceding drill program data. The completion of the drilling program is scheduled for the next field season to finalise the assessment of the potential around the historical Toolleen mine.

MACORNA PROJECT (CATALYST 100%; COMMENCING JOINT VENTURE)

GEV is funding exploration to earn a 50% interest in the Macorna tenements not currently under Joint Venture. Exploration activities are managed by Catalyst.

The air core drilling program completed 19 holes for 2,486 metres and mostly tested an anomalous gold-arsenic trend that was drilled by WMC Resources in 1999, as shown on Figure 7, the best intersection received was 3.0 metres @ 0.373g/t Au from 114 metres in ACM142. A weak intersection of 3.0 metres @ 0.168g/t Au from 120 metres in ACM155 suggests a new trend for future testing.

This program was suspended as drilling contractor personnel were unable to commute between Victoria and NSW amid the COVID-19 restrictions.

Refer to ASX announcement dated 26 October 2020.

BOORT PROJECT (CATALYST 100%; COMMENCING JOINT VENTURE)

GEV is funding exploration to earn a 50% interest in the Boort tenement, with exploration activities managed by Catalyst.

The September 2020 Quarter saw the completion of the Boort gravity geophysical survey. Data processing has been completed with interpretation due prior to the inaugural reconnaissance air core drilling program planned for 2021.

DRUMMARTIN (CATALYST 100%; COMMENCING JOINT VENTURE)

St Barbara Limited (**St Barbara**) (ASX: **SBM**) is funding and farming into EL006507 and is the manager of the Earn-in Joint Venture project conducting the exploration (Figure 1).
An intensive gravity geophysical survey over the 2020 field season was completed during the September 2020 Quarter, and interpretation will be in hand and available prior to the design of reconnaissance drill holes.

Drilling in the eastern half of the lease will be the priority upon commencement of the 2020-21 season; to continue the program that was interrupted due to COVID-19 restrictions.

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NORTH CENTRAL VICTORIAN GOLD (NCVG) TENDER

In late November 2019, the Victorian Government announced that it would release four exploration blocks under a tender process (NCVG Tender, Figure 1). In February 2020, Catalyst lodged tender applications for three of these blocks in partnership with Hancock Prospecting Pty Ltd.

The Victorian Government has recently advised that the announcement of the results of this highly competitive tender process has been postponed until March 2021.

COVID-19 RESPONSE

Catalyst continues to maintain strict health and safety protocols to manage the risk of COVID-19 global pandemic. The Company has maintained precautions to limit the risk of contracting or spreading the Coronavirus including limited team interaction, cleanliness, and self-isolation where possible during field breaks.

Most of the Catalyst staff and contractors are based locally in the Bendigo region providing a significant advantage over other teams which need to travel across borders and has enabled the continuation of the drilling and gravity geophysics programs.

Catalyst will continue to monitor the COVID-19 situation, with the health and safety of our employees, their families and the local communities remaining the Company's highest priority.

PROGRAM FOR DECEMBER 2020 QUARTER

Subject to seasonal weather, the 2020/2021 drilling campaign is expected to commence in the early part of December 2020 at the Four Eagles and Drummartin projects, with drilling on the Tandarra, Golden Camel and Boort projects in the new year.

CORPORATE

At the end of the September 2020 quarter, the Company held cash reserves of $17.1 million. During the quarter, the Company made payments of:

- $1.26 million for ongoing exploration and evaluation of the Company's existing mining projects, including but not limited to air-core, reverse circulation and diamond drilling programmes and gravity surveys undertaken on the Four Eagles Gold Project, Tandarra Gold Project and other projects, as well as evaluation of additional project opportunities.
- $0.15 million to related parties, comprising payments to directors for quarterly directors' fees and consulting fees paid to Messrs Kay, Boston and Schwab for the provision of additional technical and management services to the Company. Payments were also made to Raisemetrex Pty Ltd, a company of which Mr Boston is a director, for the provision of an online platform for the administration of capital raisings and electronic communications with shareholders.

The annual general meeting of the Company will be held on Friday, 20 November 2020 at the Celtic Club, 48 Ord Street, West Perth, Western Australia.

Authorised for release by the Board of Catalyst Metals Limited.

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Corporate summary (at 30 September 2020)	
ASX trading code	CYL
Quoted shares (CYL)	82,399,698
Quoted options (CYLOA)	7,881,996
Unquoted options:	1,000,000
Postal address	PO Box 778
	Claremont, Western Australia 6910
Telephone	(+61 8) 6263 4423
Facsimile	(+61 8) 9284 5426
E-mail	admin@catalystmetals.com.au
Web-site	www.catalystmetals.com.au

Tenement directory

Project	**Tenement number**	**Beneficial interest**
Victoria		
Four Eagles	RL006422	50%
	EL5295	50%
	EL5508	50%
	EL006859	50%
Macorna	EL5521	100% (farm-out of 50% to GEV)
	EL006894	100% (farm-out of 50% to GEV)
	EL006549	100% of mineral rights (farm out of 50% to GEV)
Boort	EL006670	100% (farm-out of 50% to GEV)
Tandarra	RL006660	51%
Raydarra East	EL5509	100%
Sebastian	EL5533	100%
	EL007214	100% (application)
	EL007349	100% (application)
Drummartin	EL006507	100% (farm-out of 50% to St Barbara)
Golden Camel	EL5490 & EL5449	50.1% (earning in via farm-in agreement)

No interests in mining tenements or farm-in or farm-out agreements were acquired or disposed of during the quarter.

JORC Reporting of Historic Navarre Exploration Results

Although Catalyst was not involved in previous exploration at the Tandarra Gold Project, it has elected to update the information to comply with the JORC 2012 Code. The results had been publicly reported by Leviathan Resources Pty Ltd (ASX code LVR) (December 2004 to January 2007), Perseverance Corporation Limited (ASX code PSV) (January 2008 to March 2011) and Navarre Minerals Limited (ASX code NML) (March 2011 to September 2015) in numerous announcements during the stated periods under the JORC 2004 Code. Catalyst has limited knowledge on how the data was collected but has had to make assumptions based on the available historic data generated by these companies.

Full location data on the Tandarra drill holes and a Summary of Sampling Techniques and Reporting of Exploration Results according to the JORC Code 2012 Edition were included in the Company's ASX announcement dated 1 September 2014.

Competent person's statement

The information in this report that relates to exploration results is based on information compiled by Mr Bruce Kay, a Competent Person, who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Kay is a non-executive director of the Company and has sufficient experience that is relevant to the style of mineralisation and type of deposit 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 (the JORC Code). Mr Kay consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Much of the historical information relating to the Four Eagles project was prepared and first disclosed under the JORC Code 2004. This information has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was reported.

Information relating to the Tandarra project was first disclosed by previous tenement holders under the JORC Code 2004. This information has been subsequently reported by the Company in accordance with the JORC Code 2012, refer to announcement dated 1 September 2014 and the quarterly activities report dated 31 July 2014.

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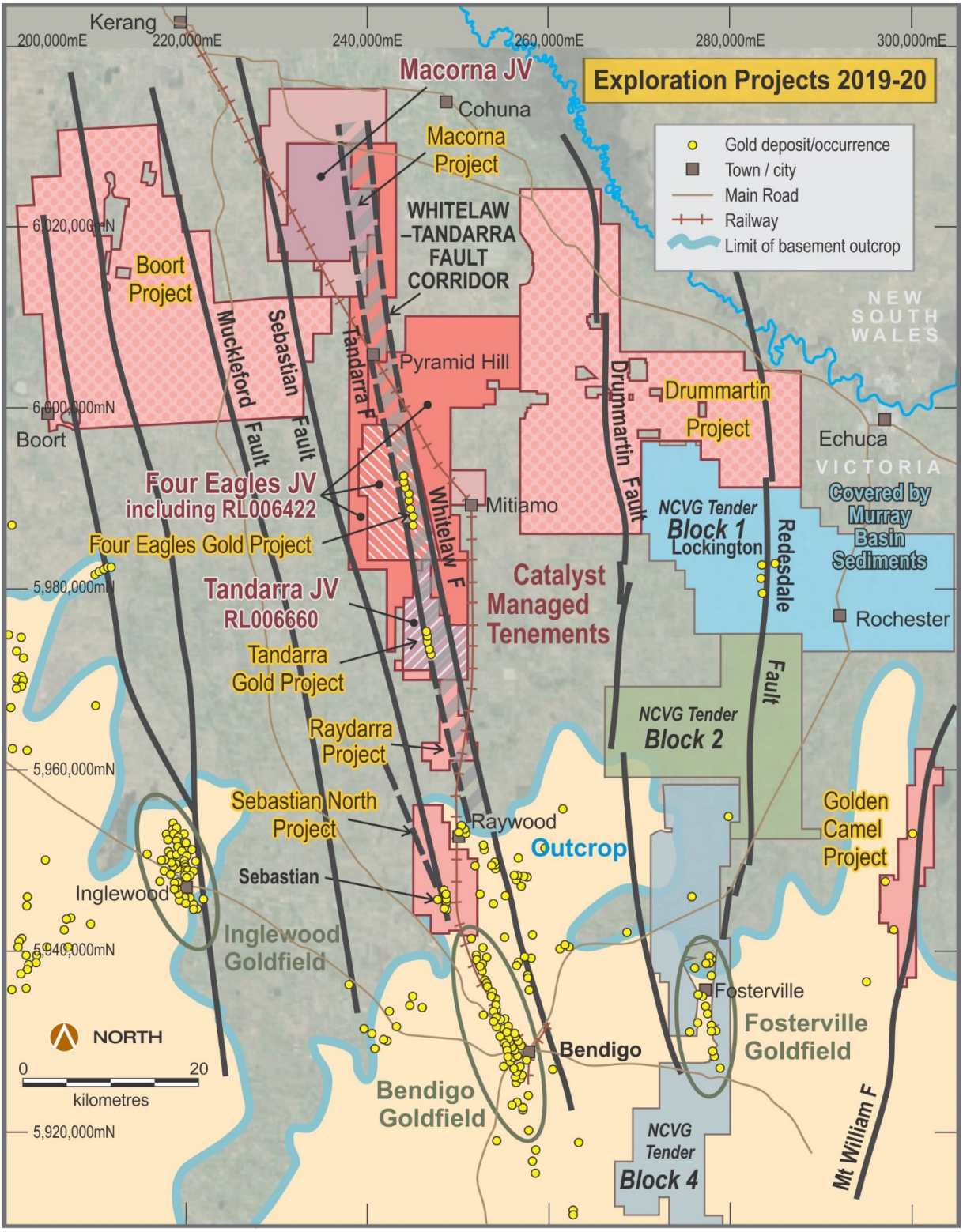


Figure 1: Whitelaw Gold Belt Tenement Holdings showing major Catalyst managed projects

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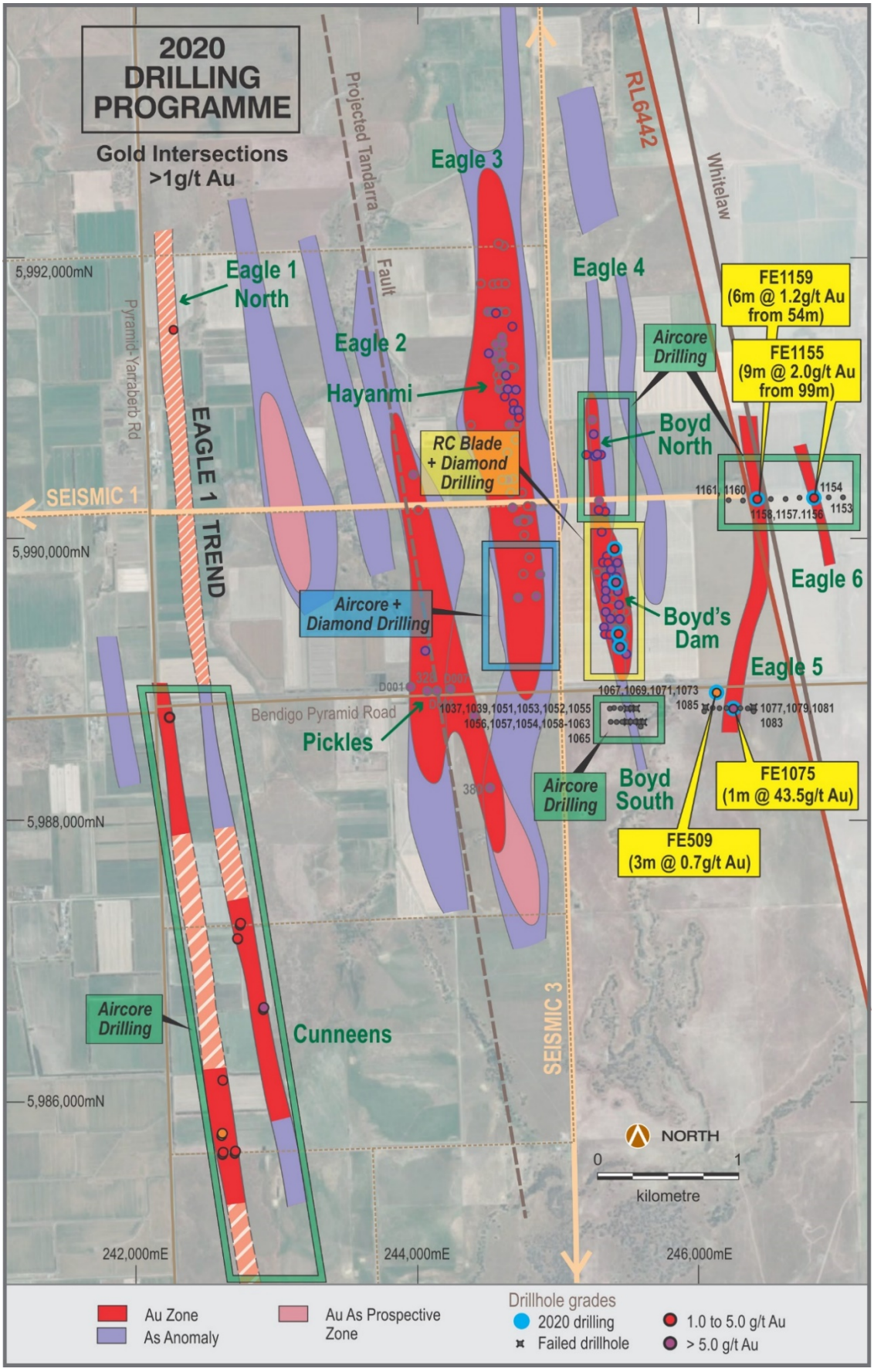


Figure 2: Four Eagles Gold Project showing location of gold trends and prospects, 2019-20 drilling programs and 2D Seismic traverses

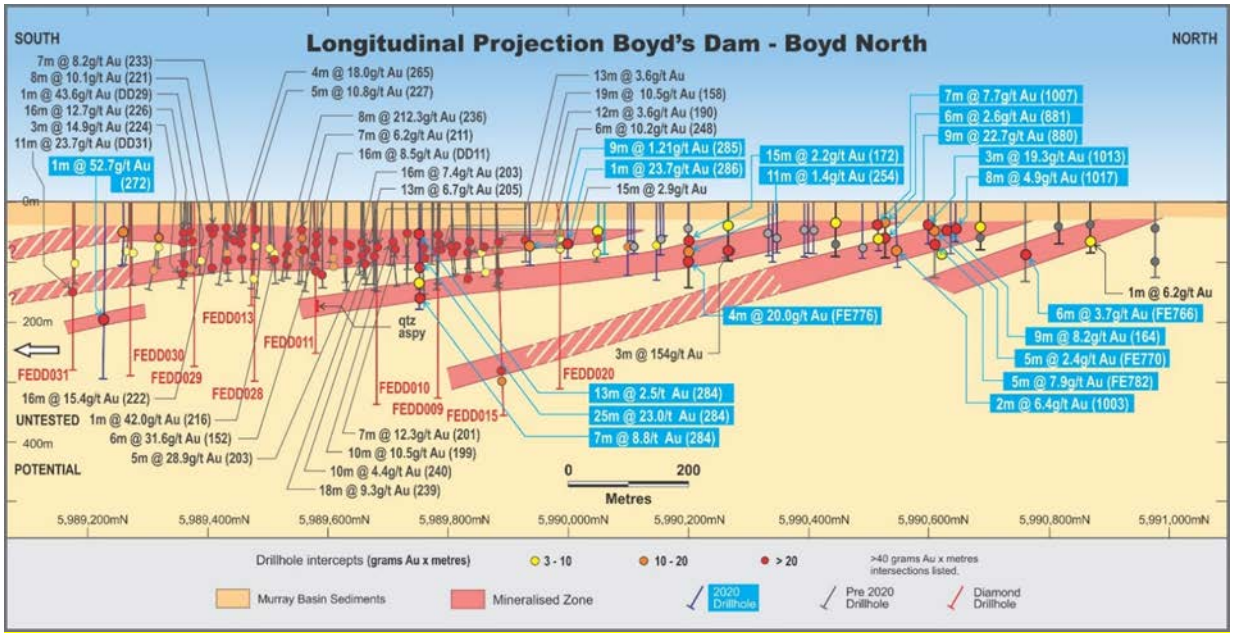


Figure 3: Longitudinal Projection of Boyd's Dam Boyd North Prospect showing areas of RC drilling. Significant drill intersections from 2020 are highlighted in blue.

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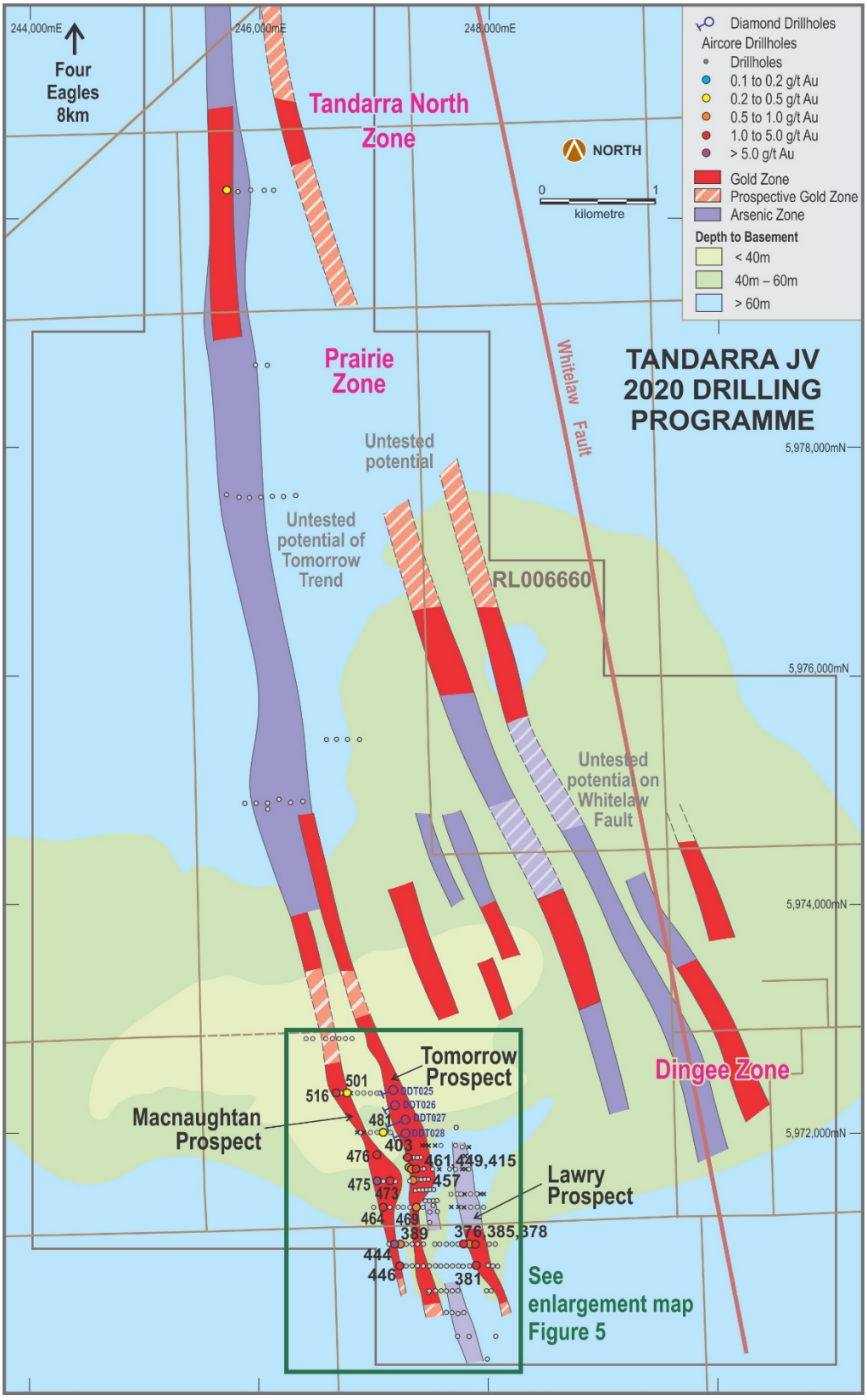


Figure 4: RL006660 Tandarra drill plan showing Tomorrow, Macnaughtan and Lawry Zones, AC drill coverage in the southern part of the RL

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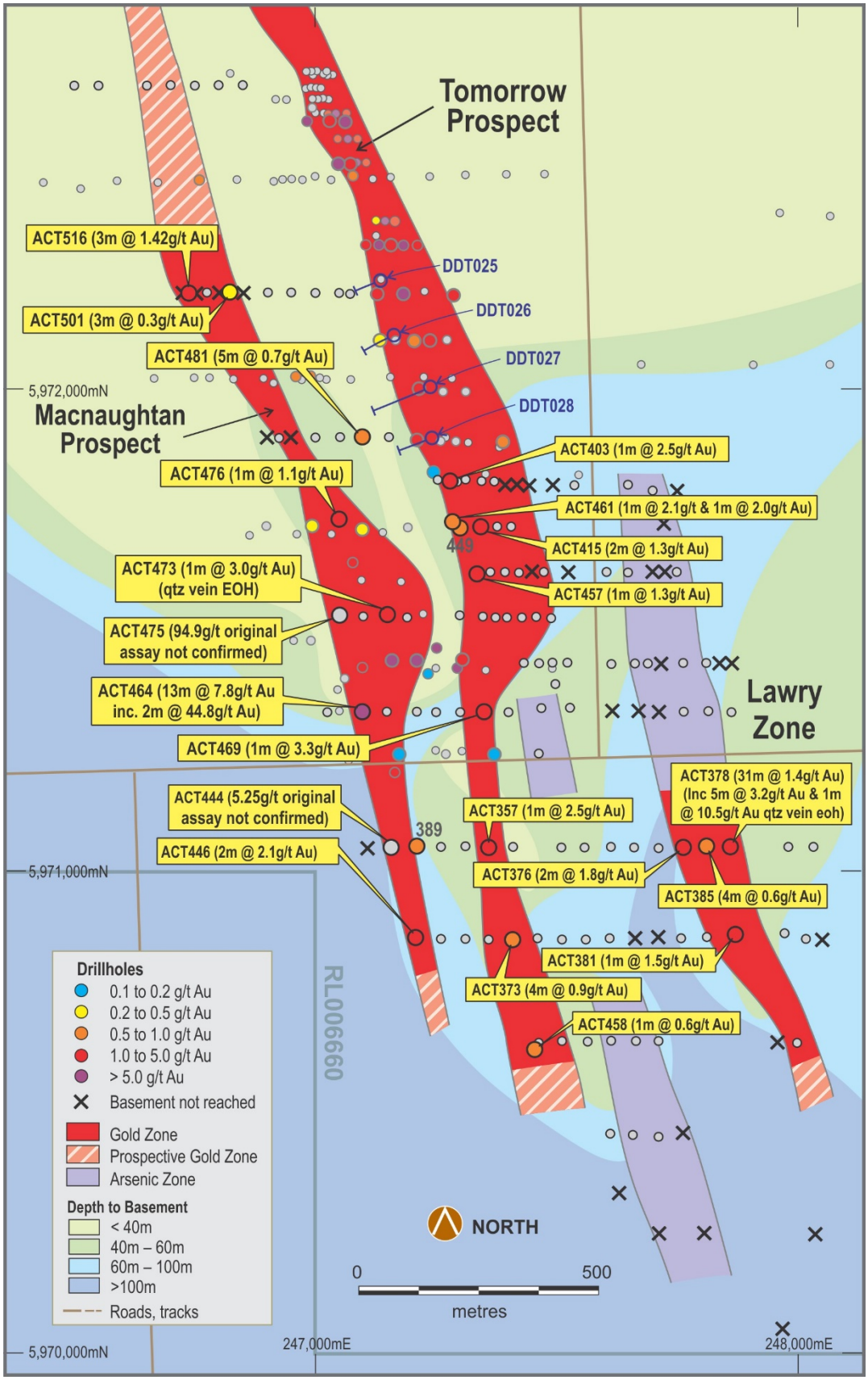


Figure 5: Tandarra - Drill plan for the southern AC program, showing results, main gold intersections with interpolated gold and arsenic trends and depth to basement

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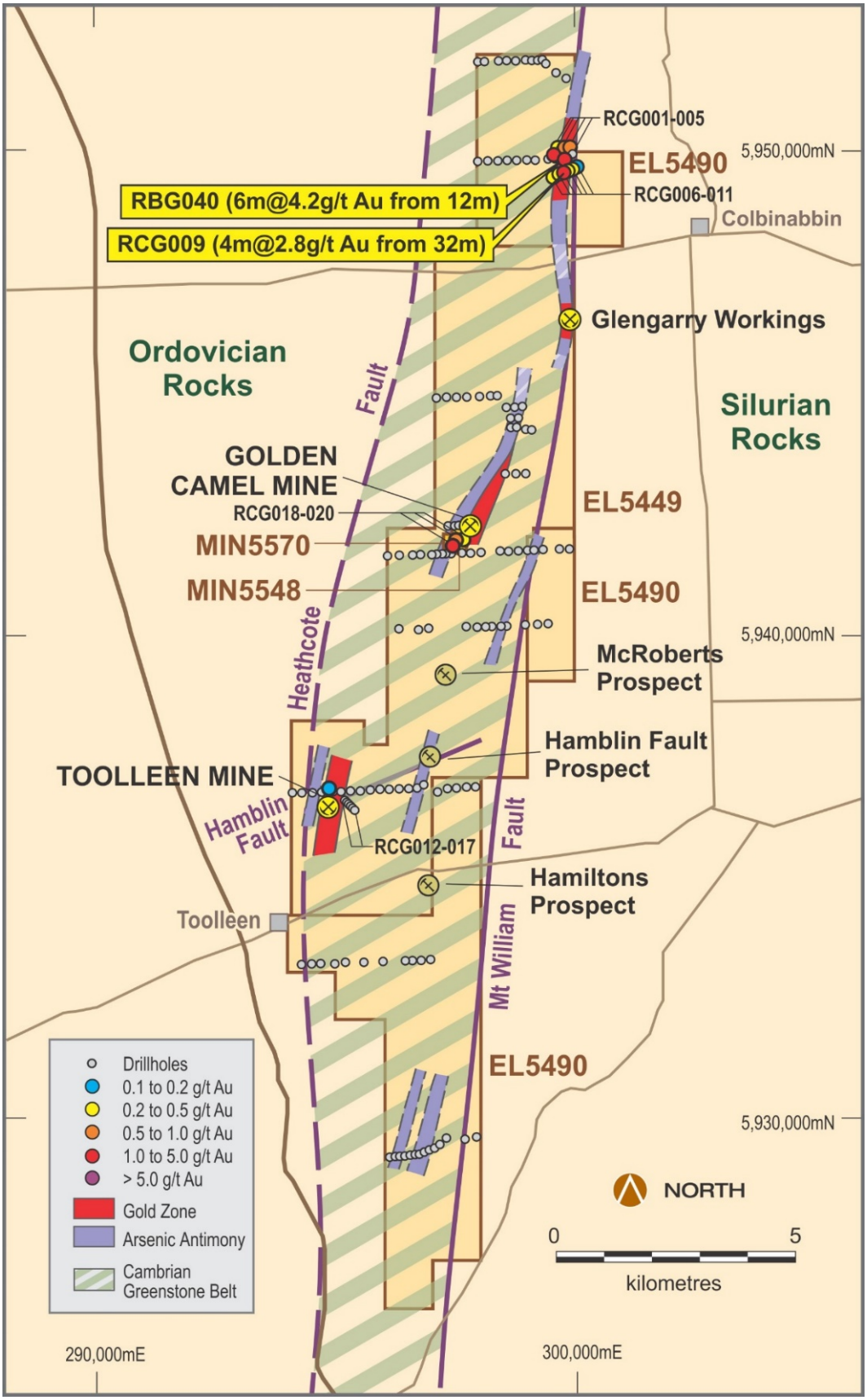


Figure 6: Golden Camel Project showing location of Golden Camel and Toolleen gold zones and RC drilling

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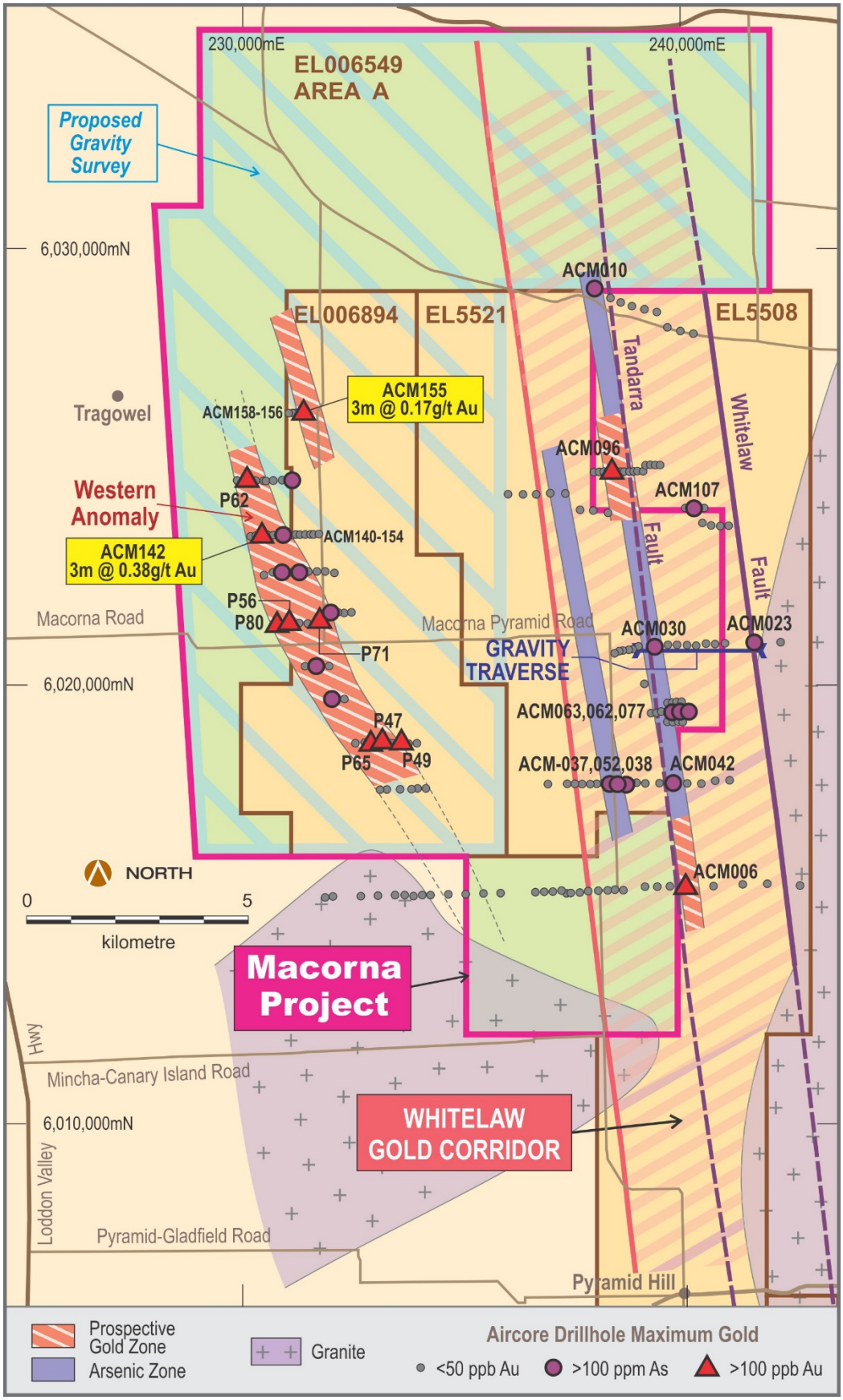


Figure 7: Macorna Project showing EL boundaries, potential gold arsenic geochemical trends and proposed gravity survey area ('Area A').