

Quarterly Activities Report

Quarter ended 30 June 2020

SUMMARY

- **Four Eagles Gold Project**
RC drill hole FERC284 at Boyd's Dam intersected three distinct mineralised zones, two with high grade gold mineralisation:
 - 13 metres @ 2.5g/t Au from 70 metres
 - 25 metres @ 23.0g/t Au from 99 metres including 11m @ 48.2g/t Au and 3m @ 160.6g/t Au
 - 7 metres @ 8.8g/t Au from 161 metres to EOH

Trial deep RC drilling successfully sampled to 300 metres depth, including

- 1 metre @ 52.7g/t Au from 203 metres in FERC272

The intersection confirms the potential for repetitions at depth of the sub-horizontal mineralised zones outlined at shallower depth.

- **Tandarra Gold Project**
The Macnaughtan Zone southern mineralisation extended to 1.4 kilometres
 - 3 metres @ 94.9g/t Au from 87 metres in drill hole ACT475
 - 3 metres @ 7.8g/t Au within a broader interval of 18 metres @ 1.6g/t Au in drill hole ACT464
 - 1 metre @ 2.5g/t Au from 108 metres at the end of hole ACT473

Prospective strike length of the recently discovered Lawry Zone extended by 700 metres to 1.2 kilometres

- **Golden Camel Project**
Diamond drilling beneath the Golden Camel Gold Zone and RC drilling beneath the historical Toolleen mine workings continued to yield geologically encouraging results
- **Macorna Project**
A joint venture has been established with Gold Exploration Victoria Pty Ltd and the acquisition of mineral rights for EL006549 consolidates the exploration of the northern Whitelaw Belt

A gravity survey and reconnaissance air core drilling program commenced

INTRODUCTION AND OVERVIEW

Catalyst Metals Limited (**Catalyst** or **the Company**) (ASX: CYL) has significant interests in two retention licences (RL's) and thirteen exploration licences (EL's) over the Whitelaw Gold Belt - an area approximately 75 kilometres long, and 5-10 kilometres wide commencing immediately north of the outcropping Bendigo Goldfield, and positions around similar deep-crustal structures to the east and west (Figure 1). These licences total some 2,100 square kilometres in area (Figure 1). Under the terms of an agreement with Golden Camel Mining Pty Ltd, Catalyst also has rights to acquire an interest in the Golden Camel Mining Permits MIN5548 and MIN5570 (Golden Camel mine) (Figures 1 and 7).

The Whitelaw Belt is the structural zone thought to control the emplacement of the Bendigo gold deposits, and to extend in generally northerly direction in favourable Ordovician rocks beneath the covering veneer of younger Murray Basin sediments. In particular, the Four Eagles and Tandarra Gold Projects (respectively about 55 kilometres and 40 kilometres north-northwest of Bendigo) contain gold discoveries similar in style to the historic Bendigo goldfield (Figure 1). In addition to these gold discoveries, this belt and adjacent similar structures remain largely untested and highly prospective for the discovery of new gold deposits of Bendigo or Fosterville styles.

JUNE 2020 QUARTER EXPLORATION PROGRAMS

The 2019/20 drilling programs continued throughout the June 2020 Quarter, concentrated on the Four Eagles, Tandarra, Macorna and Golden Camel projects. In addition, a gravity survey covering much of the Boort tenement was completed.

FOUR EAGLES JOINT VENTURE (RL006422, EL5295, EL006859, EL5508) (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 flanked by the remaining EL's comprises the Four Eagles Gold Project and covers an envelope of gold mineralisation approximately 6 kilometres long and 2.5 kilometres wide. Three prospects 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 3 kilometre strike length (Figures 1 and 2).

Diamond Drilling

Five diamond drill holes totalling 1,201 metres were completed during the June 2020 Quarter, completing the 2020 drilling program. Evaluation and sampling of drill core continued and assays were incomplete at the end of the June 2020 Quarter.

Reverse Circulation Blade/Hammer Drilling

Reverse circulation (RC) drilling program (15 holes, 1,905 metres) testing extensions of the Boyd's Dam prospect was completed early in the June 2020 Quarter. Key intersections (Figures 2, 3 and 4) included:

- **13.0 metres @ 2.50/t Au from 70 metres in FERC284**
- **25.0 metres @ 23.0g/t Au from 99 metres including 11m @ 48.2g/t Au and 3m @ 160.6g/t Au in FERC284**
- **1.0 metre @ 23.7g/t Au from 65 metres in FERC286**
- **9.0 metres @ 1.21g/t Au from 70 metres in FERC285**
- **3.0 metres @ 4.04g/t Au from 41 metres in FERC276**

The drilling also included a trial which successfully achieved sampling to a depth of 300 metres, with deeper intersections indicating repetitions of sub-horizontal gold-mineralised zones at shallower depth. Key intersections include (See longitudinal projection Figure 4).

- **7.0 metres @ 8.81g/t Au from 161 metres to EOH in FERC284**
- **1.0 metres @ 52.7g/t Au from 203 metres in FERC272**

Refer to ASX announcements dated 6 and 7 May 2020.

Air Core Drilling

Air core drilling programs totalling 70 holes (7,354 metres) were completed testing southern extensions of Boyd's Dam ("Boyd South"), the northern extension of the Cunneen's prospect, and the southern end of the Hayanmi prospect. Evaluation of data from this program and the preceding one completed in the March 2020 Quarter was continuing at the end of the June 2020 Quarter.

2-D Seismic Survey

Data processing and interpretation of the results of the seismic survey conducted along roads spanning the retention license area, was inhibited due to COVID-19 global pandemic travel restrictions. Interpretation of this data will resume when possible.

TANDARRA JOINT VENTURE (RL006660 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**) (ASX: **NML**) holds a 49% interest. Catalyst manages the joint venture with expenditures jointly funded by Catalyst and Navarre in their respective proportions.

Air Core Drilling

Macnaughtan Zone

Infill air core drilling totalling 4,124 metres in 42 holes was completed on 5 traverses to the north of newly identified mineralisation reported in the March 2020 Quarter. High grade gold mineralisation intersected in the southernmost three of these traverses extends the strike length of the southern Macnaughtan Zone to 1.4 kilometres, remaining open to the north (sparsely drilled) and to the south (untested) (Figures 5 and 6). Key intersections included:

- **3 metres @ 94.9g/t Au from 87 metres in drill hole ACT475**
- **18 metres @ 1.6g/t Au (including 3m @ 7.8g/t Au) from 75m in drill hole ACT464**
- **1 metre @ 2.5g/t Au from 108 metres to end of hole (EOH) in drill hole ACT473**
- **3 metres @ 1.8g/t Au from 66 metres in ACT476**

Refer to ASX announcement dated 30 June 2020.

Reverse circulation drilling will be required to infill and test depth extensions of this significant zone of gold mineralisation.

Lawry Zone

Five additional traverses of air core holes (31 holes, 2627 metres) were drilled testing the northerly extension of the Lawry Zone, newly discovered in the March 2020 Quarter (Refer to ASX announcement dated 6 April 2020 and March 2020 Quarterly Activities Report). Difficult drilling conditions limited the effectiveness of this program, however quartz veining and anomalous arsenic values encountered in those holes which reached basement confirmed the prospectivity of the extension along some 700 metres of strike length to the north of the discovery traverses (Figures 5 and 6).

Refer to ASX announcement dated 30 June 2020.

Additional drilling will be required to properly evaluate the prospective zone indicated and its extensions.

Diamond Drilling

Tomorrow Zone

A program of four diamond drill holes commenced during the March 2020 Quarter, testing deep targets beneath Tomorrow Zone, was completed early in the June 2020 Quarter. Drill core revealed geologically encouraging quartz veining and alteration. Results will be reported when detailed core logging, geological interpretation and sample analysis has been completed.

GOLDEN CAMEL PROJECT (EL5449 AND EL5490 CATALYST EARNING 50.1% INTEREST)

Catalyst is funding exploration to earn a 50.1% interest in the Golden Camel tenements, 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.

Golden Camel

Three diamond drill holes (773 metres) were completed targeting the depth extensions of the Golden Camel gold mine.

Toolleen

A seven hole (894 metres) program of reverse circulation drilling was completed targeting depth extensions of the historical Toolleen mine, which is now completely rehabilitated.

The historical records which provided the bases for both programs were described in Catalyst's report to ASX dated 16 June 2020. Geologically encouraging observations have been recorded at both locations, particularly from the Golden Camel drill core (Figure 7). Sample processing and evaluation of results of both these programs were continuing at the end of the June 2020 Quarter, with assays awaited.

MACORNA PROJECT (EL5521, EL006894 AND EL006549) (CATALYST 100%; COMMENCING JOINT VENTURE)

As announced to the ASX on 30 April 2020, Catalyst and GEV have completed the formation of an expanded Macorna Project Joint Venture (**Macorna JV**) now including EL's 5521 and 6894. It extends an initial Macorna JV including EL5508 as a part of the Four Eagles Joint Venture between the two parties (Figures 1 and 8).

Separately, this Macorna JV has acquired from titleholder Providence Gold & Minerals Pty Ltd (**Providence**), the mineral rights to the contiguous EL006549 (Figures 1 and 8), in exchange for the grant to Providence of a 2.5% NSR royalty.

The Macorna JV area is situated adjacent and to the north-north-west of the Four Eagles project area (Figures 1 and 8), covering the northern extension of the Whitelaw-Tandarra fault corridor. Reconnaissance gravity surveys and air core drilling surveys conducted over the past several years by Catalyst and the Macorna JV have revealed north-south oriented zones containing strongly anomalous gold and arsenic values.

Further west within the Macorna JV area, reconnaissance drilling conducted by WMC Resources Limited in 1999 identified a 5 kilometre-long zone of anomalous gold and arsenic values (the "Western Anomaly") (Figure 8) which is the focus of a proposed initial reconnaissance air core drilling program.

Gravity surveying and reconnaissance air core drilling commenced late in the June 2020 Quarter (10 holes, 1,312 metres completed). Both programs are scheduled to continue into the September 2020 Quarter subject to seasonal conditions affecting access.

BOORT PROJECT (EL006670) (CATALYST 100%; COMMENCING JOINT VENTURE)

The detailed gravity survey of a substantial part of the Boort exploration licence (Figure 1) which was commenced during the March 2020 Quarter was essentially completed during the June 2020 Quarter. The interpretation of this data will form the basis for subsequent reconnaissance drilling activity in coming seasons.

DRUMMARTIN (EL006507 CATALYST 100%; COMMENCING JOINT VENTURE)

St Barbara Limited (**St Barbara**) (ASX: **SBM**) is the manager of the Earn-in Joint Venture project conducting the exploration of EL006507 (Figure 1).

Following interpretation of the results of a detailed gravity survey, proposed drilling of several identified targets continued to be delayed throughout the June 2020 Quarter due to COVID-19 pandemic restrictions on St Barbara's personnel accessing Victoria.

The second phase gravity survey has commenced during the June 2020 Quarter and is anticipated to be completed prior to the next drilling season, commencing in December.

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). These blocks are shown on 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 2021.

COVID-19 RESPONSE

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. Fortunately, most of the Catalyst staff and contractors are based locally in Bendigo 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.

PROGRAM FOR SEPTEMBER 2020 QUARTER

Subject to seasonal weather, the 2020 drilling campaign is expected to continue through the early part of the September 2020 quarter at the Four Eagles, Macorna and Golden Camel projects.

CORPORATE

Catalyst Metals was included in the All Ordinaries index with effect from 22 June 2020.

During the June 2020 Quarter, the Company applied for the Junior Minerals Exploration Incentive (JMEI) for the 2021 income year. In early July 2020, the Company received notification from the ATO that it had been allocated \$1,750,000 of exploration credits that may be issued to eligible investors for any capital raisings that may occur in the 2021 income year.

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Corporate summary (at 30 June 2020)

ASX trading code	CYL
Quoted shares (CYL)	82,399,646
Quoted options (CYLOA)	7,882,048
Unquoted options:	1,000,000
Cash balance at end of quarter	\$18.3 million
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 Bore	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)
Stawell North	EL007349	100% (application)
Drummartin	EL006507	100% (farm-out of 50% to St Barbara)
Golden Camel	EL5490	50.1% (earning in via farm-in agreement)
	EL5449	50.1% (earning in via farm-in agreement)

Tenement EL5266 (Raydarra) expired during the quarter. An application for a replacement tenement (EL007214) has been lodged along with an application by another mining company.

Mineral rights to EL006549 were acquired from Providence Gold and Minerals Pty Ltd.

Application was made for an exploration licence (EL007349) north of the Stawell gold mine along with applications by two other companies.

No other 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.

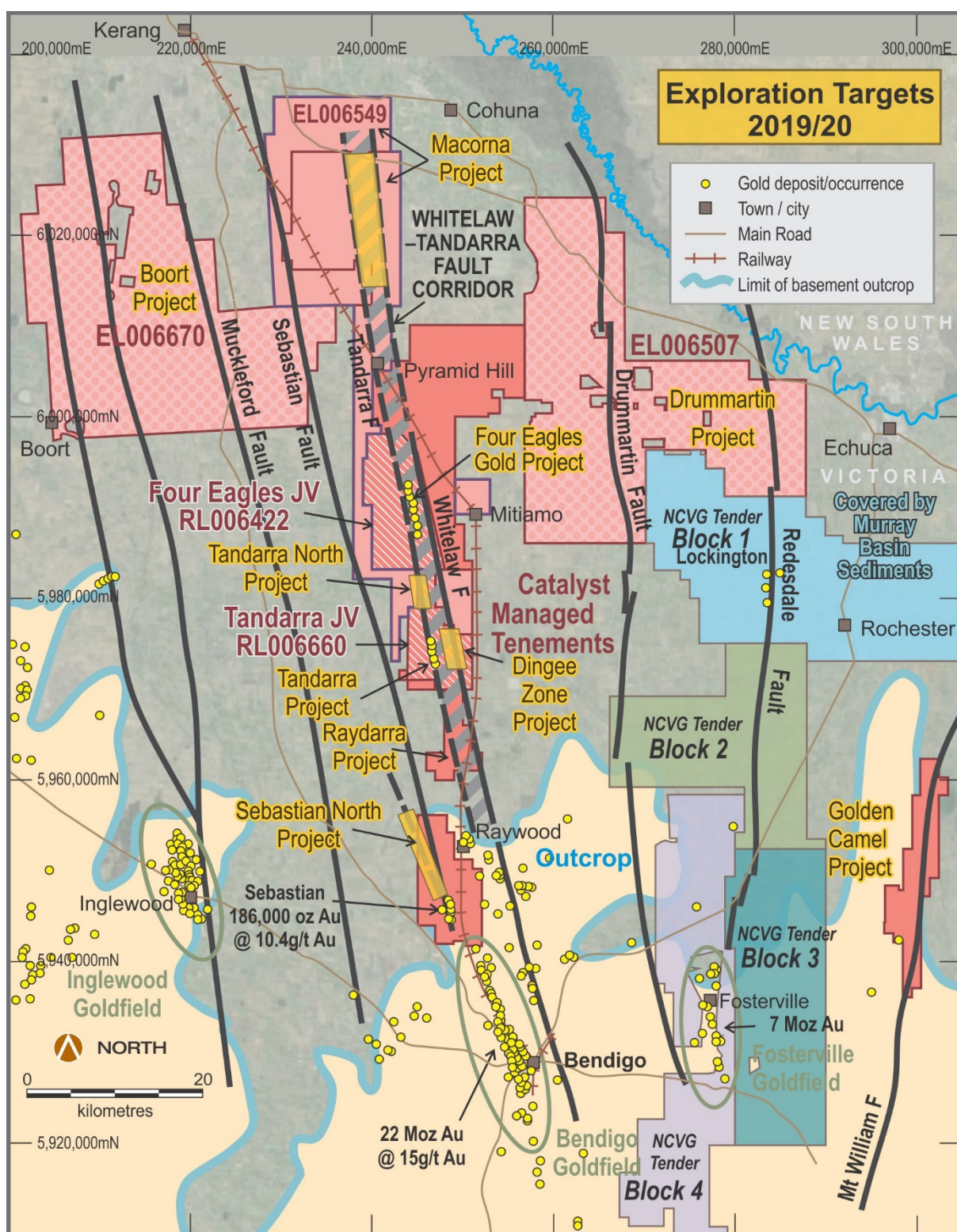


Figure 1: Whitelaw Gold Belt Tenement Holdings showing major Catalyst managed projects

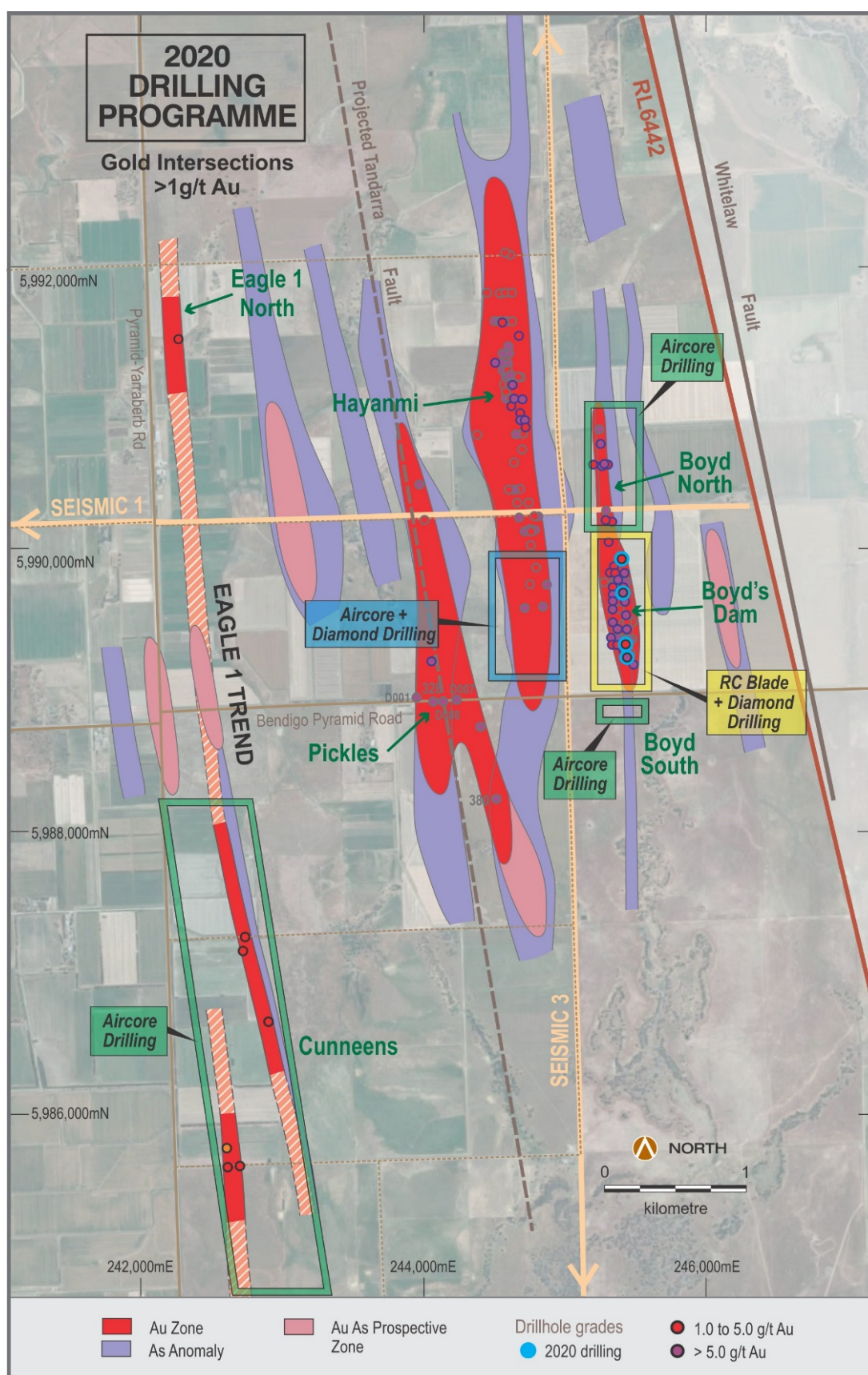


Figure 2: Four Eagles Gold Project showing location of gold trends and prospects, 2019-20 drilling programs and 2D Seismic traverses

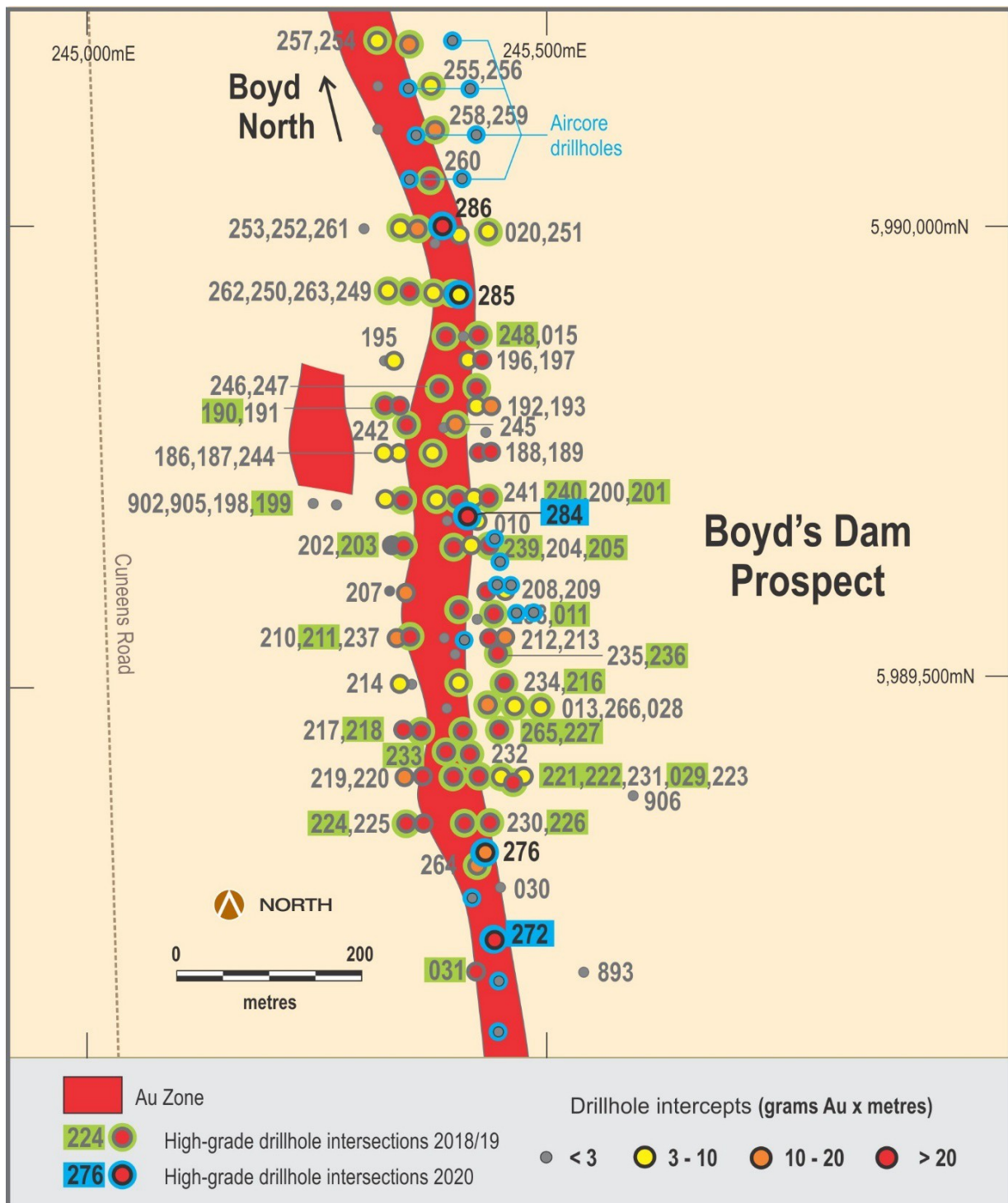


Figure 3: Boyd's Dam Prospect plan view showing gold trends and 2018 to 2020 RC and diamond drill holes. Hole numbers with high grade intersections are highlighted.

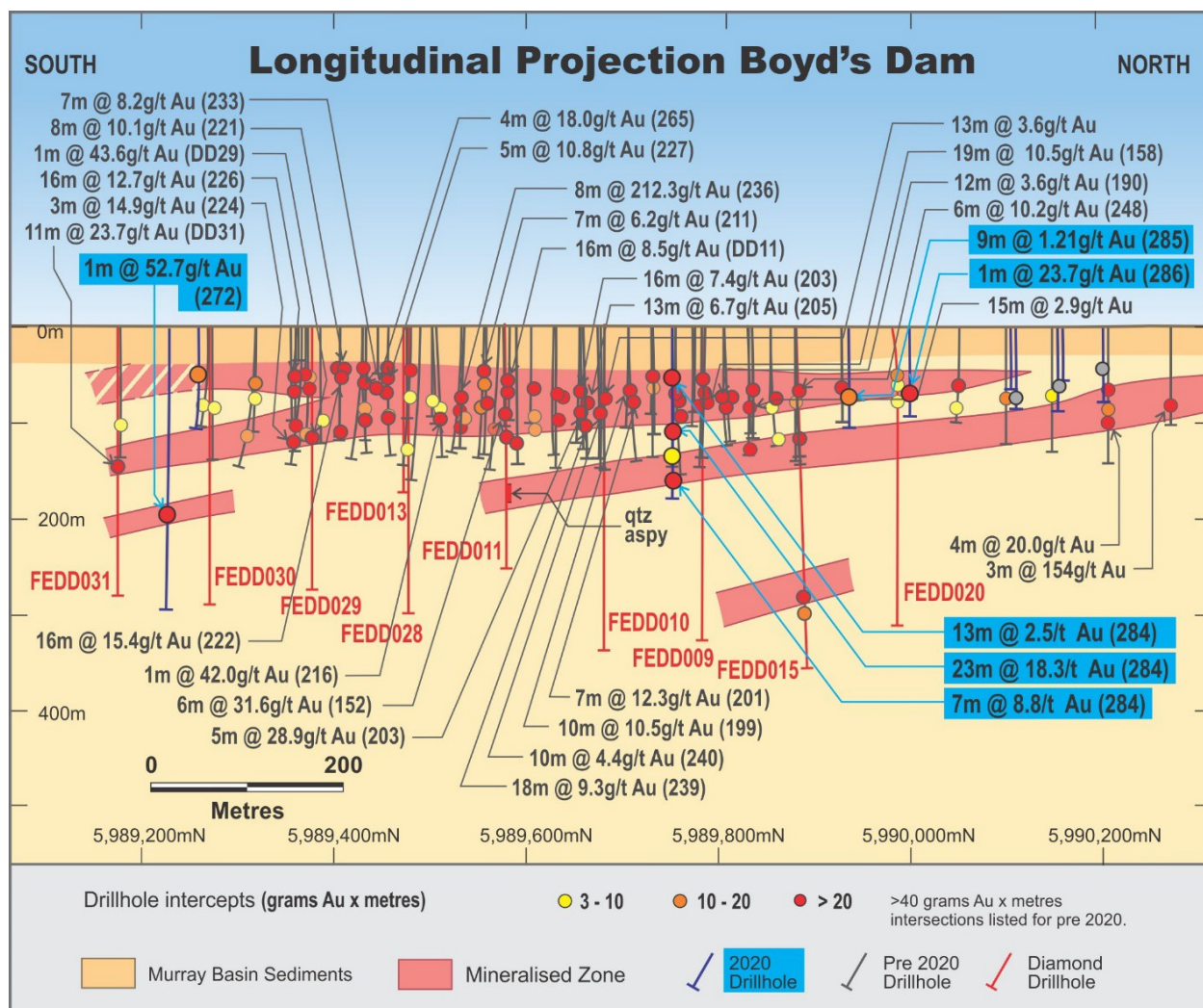


Figure 4: Longitudinal Projection of Boyd's Dam Prospect showing areas of RC drilling. Significant drill intersections from 2020 are highlighted in blue.

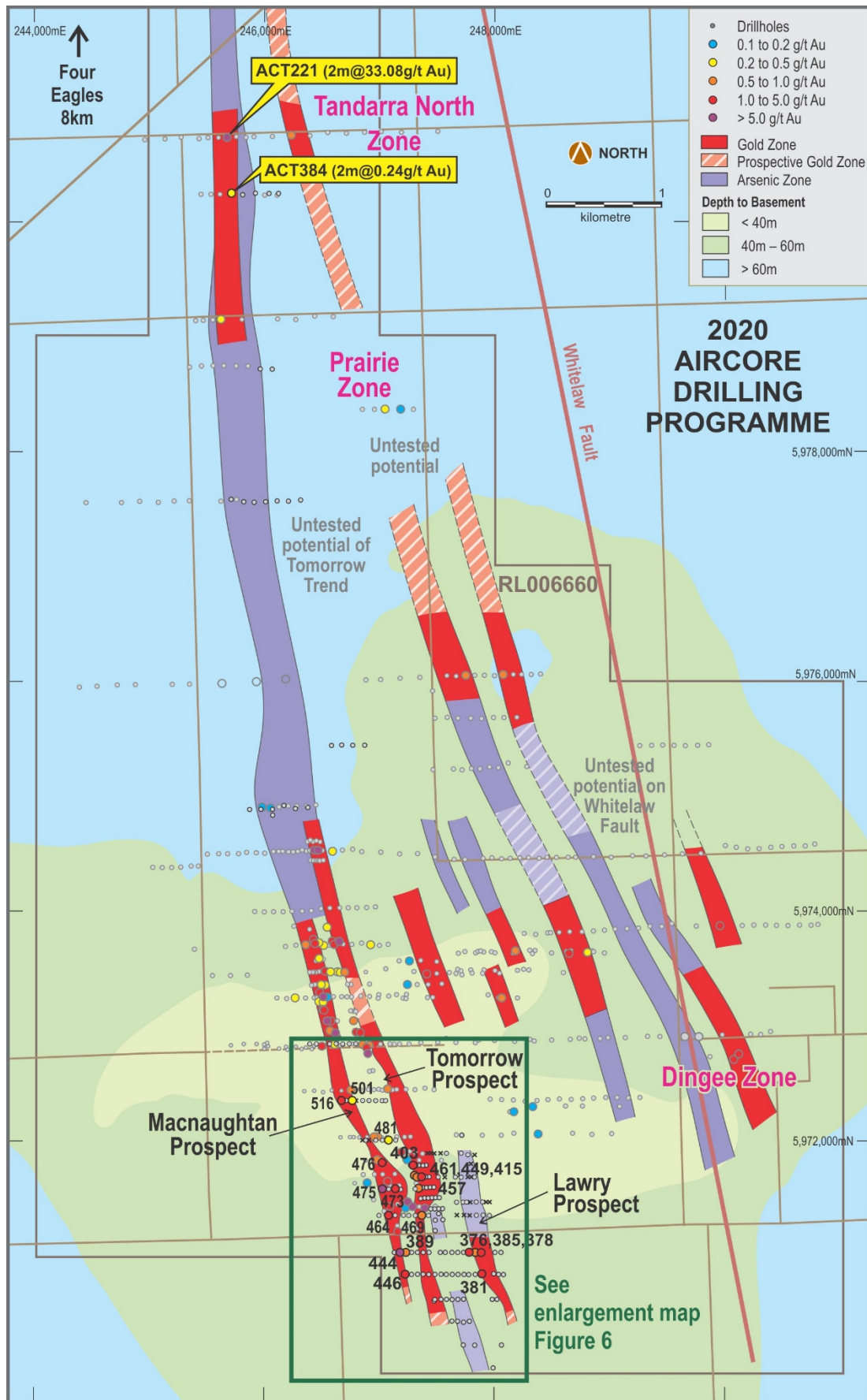


Figure 5: RL006660 Tandarra drill plan showing Tomorrow, Macnaughtan and Lawry Zones, AC drill coverage in the southern part of the RL

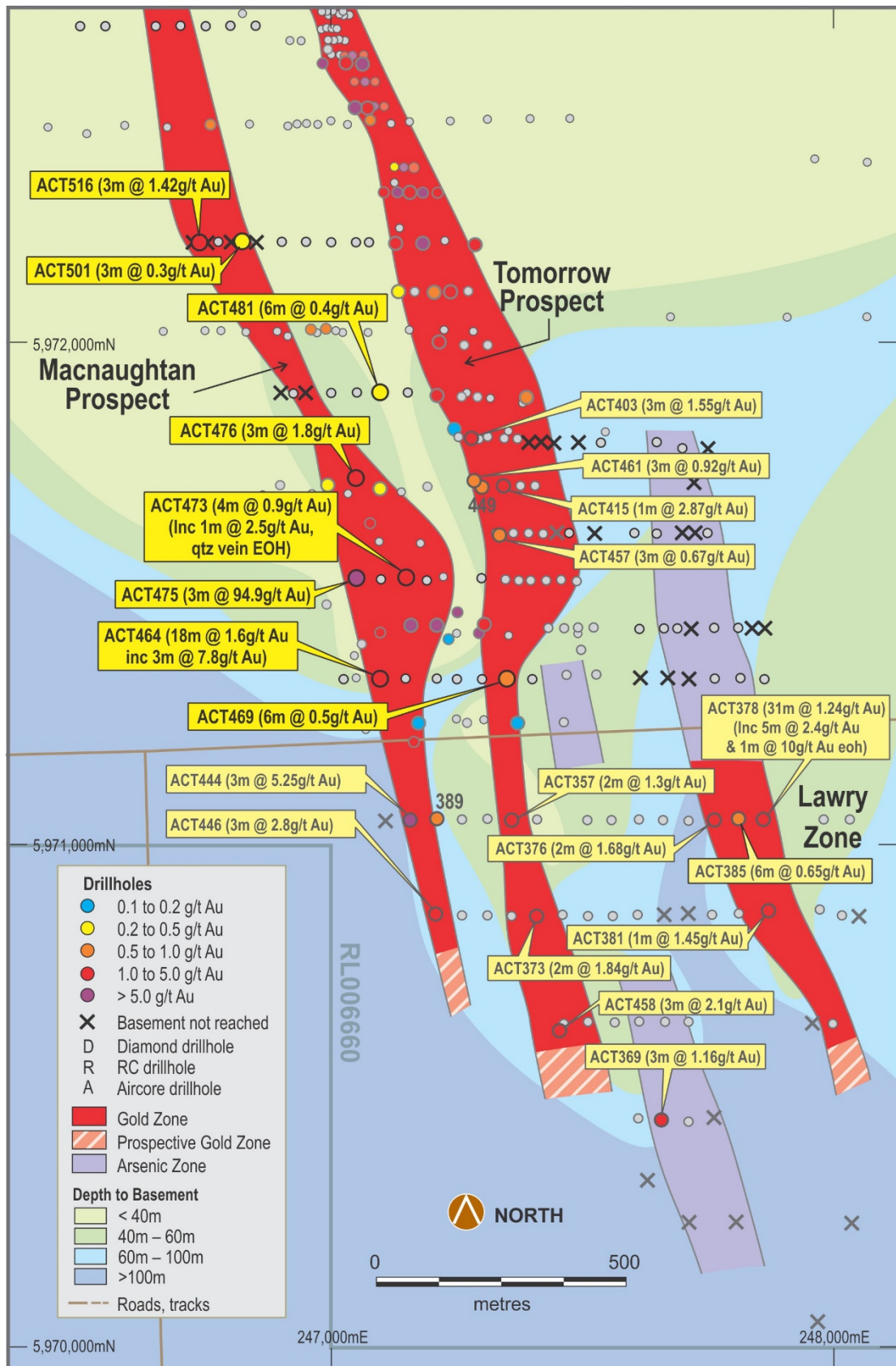


Figure 6: Tandarra - Drill plan for the southern AC program, showing results, main gold intersections with interpolated gold and arsenic trends and depth to basement

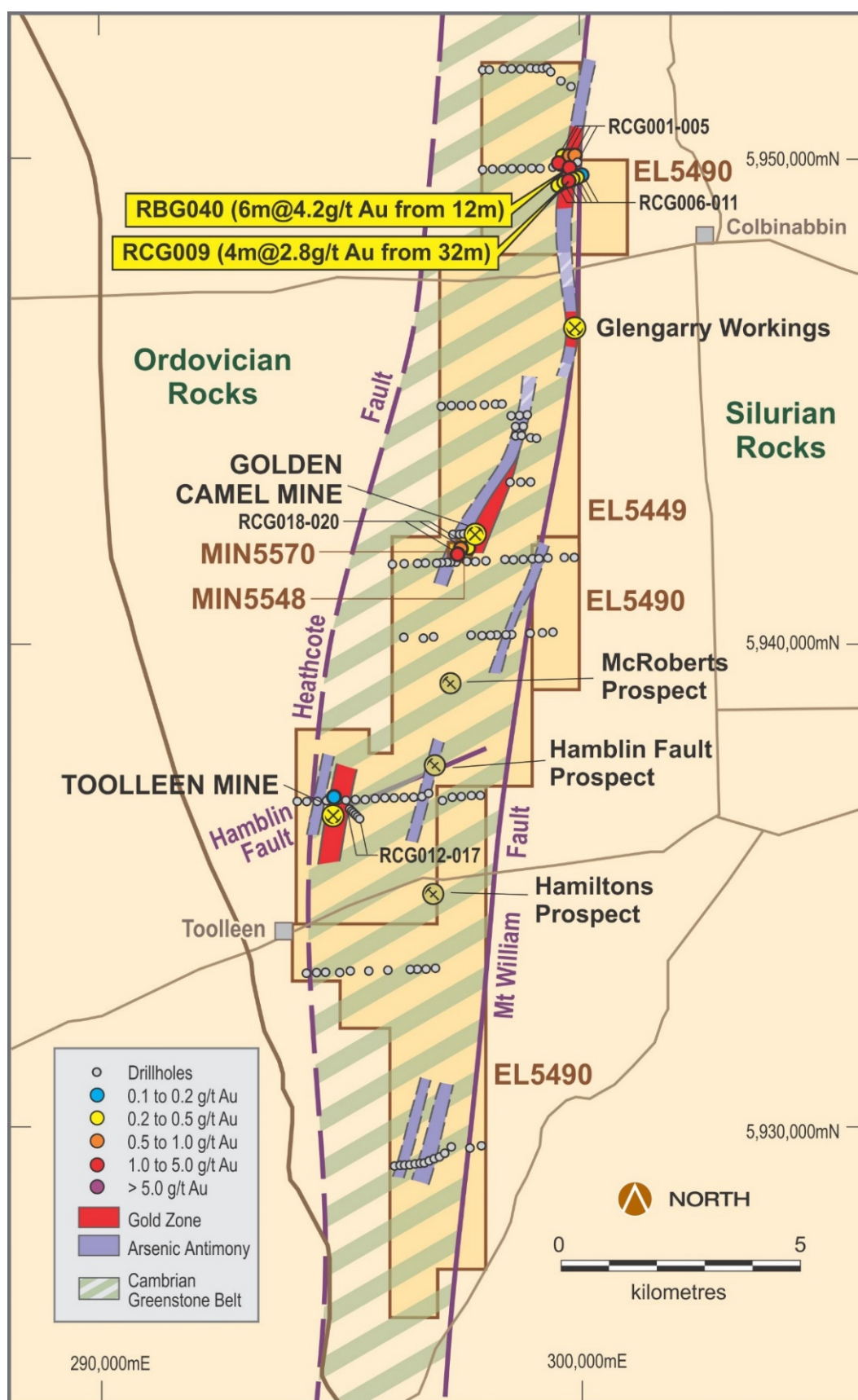


Figure 7: Golden Camel Project showing location of Golden Camel and Toolleen gold zones and RC drilling

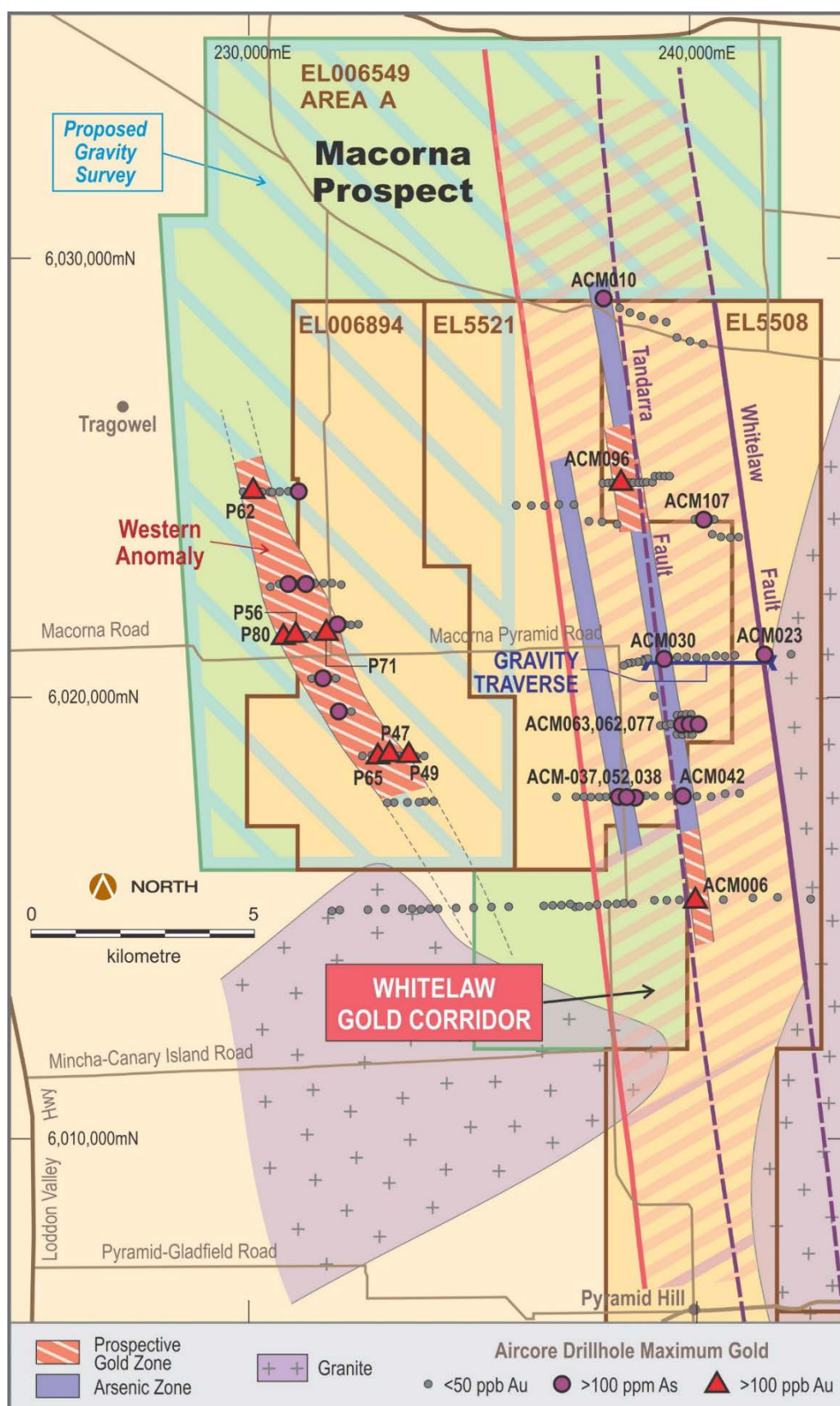


Figure 8: Macorna Project showing EL boundaries, potential gold arsenic geochemical trends and proposed gravity survey area ('Area A').