

**ASX Code: AIV****Issued Capital**

177,228,401 ordinary shares (AIV)

**Market Capitalisation**

\$23.00M (10 July 2018, \$0.13)

**Directors**

Min Yang (Chairman, NED)

Mark Derriman (Executive Technical Director)

Geoff Baker (NED)

Dongmei Ye (NED)

Craig McPherson (Company Secretary)

**About ActivEX**

ActivEX Limited is a Brisbane based mineral exploration company committed to the acquisition, identification and delineation of new resource projects through active exploration.

The ActivEX portfolio is focussed on copper and gold projects, with substantial tenement packages in north and southeast Queensland and in the Cloncurry district of northwest Queensland.

The Company also has an advanced potash project in Western Australia where it is investigating optimal leaching methods for extraction and production of potash and by-products.

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## ACTIVITIES REPORT QUARTER ENDED 30 JUNE 2018

Brisbane-based gold and copper explorer ActivEX Limited (ASX: AIV) ("ActivEX" or "the Company") provides the following summary of activities undertaken during the quarter ended 30 June 2018.

**Summary and Highlights**

- ActivEX reviewed historical drilling data at the Fenian prospect on EPM 18424 (Ravenswood Gold Project) located adjacent to the Mt Leyshon mine (under care & maintenance) in northern Queensland. The Company plans to advance exploration targets on the project from historic data.
- A strategic review of all Queensland Projects is in progress, the aim being to advance those projects the company considers as core and which have potential for medium term cash flow. The company will consider joint venture or sale of its other projects. A focus on the company's core projects will allow efficient and focussed exploration towards drill testing of high priority targets.
- Au Resource completed their initial phase target generation for the Cloncurry, Gilberton, Pentland and Ravenswood Projects in North Queensland and fieldwork is anticipated to commence in Quarter 3, 2018.

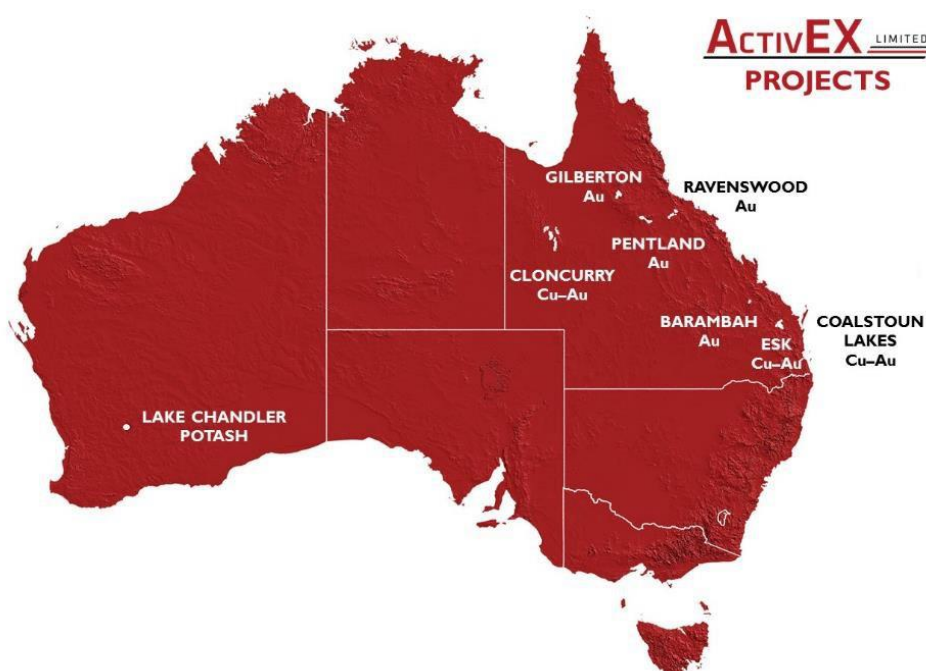


Figure 1. ActivEX Limited Projects and tenements.

## OVERVIEW

### Tenements and Projects review

ActivEX is carrying out a strategic review of its Queensland projects, the goal being to advance core project areas that have potential for medium term cash flow. In addition, the Company is in discussions for the potential sale or joint venture of non-core projects. The review to date has highlighted the Ravenswood, Cloncurry and Pentland Copper Gold Projects as being core projects for the Company.

ActivEX's Queensland tenement holding remains substantial and comprises a total of 29 granted EPMs, for a total of 667 sub-blocks and encompasses an area of 2,131km<sup>2</sup> (Figure 1&2). ActivEX Limited holds a 100% interest in all of the tenements.

During this quarter, ActivEX has reviewed historical drilling data at the Fenian prospect on EPM 18424 (Ravenswood Gold Project) located adjacent to the Mt Leyshon mine (under care & maintenance) in northern Queensland. In 2017, H&S Consultants completed an exploration targets report which established two broad zones of gold mineralisation and highlighted additional data that would be required to enable exploration targets to be defined. The process of advancing the Fenian prospect to a JORC2012 resource is a high priority for the company.

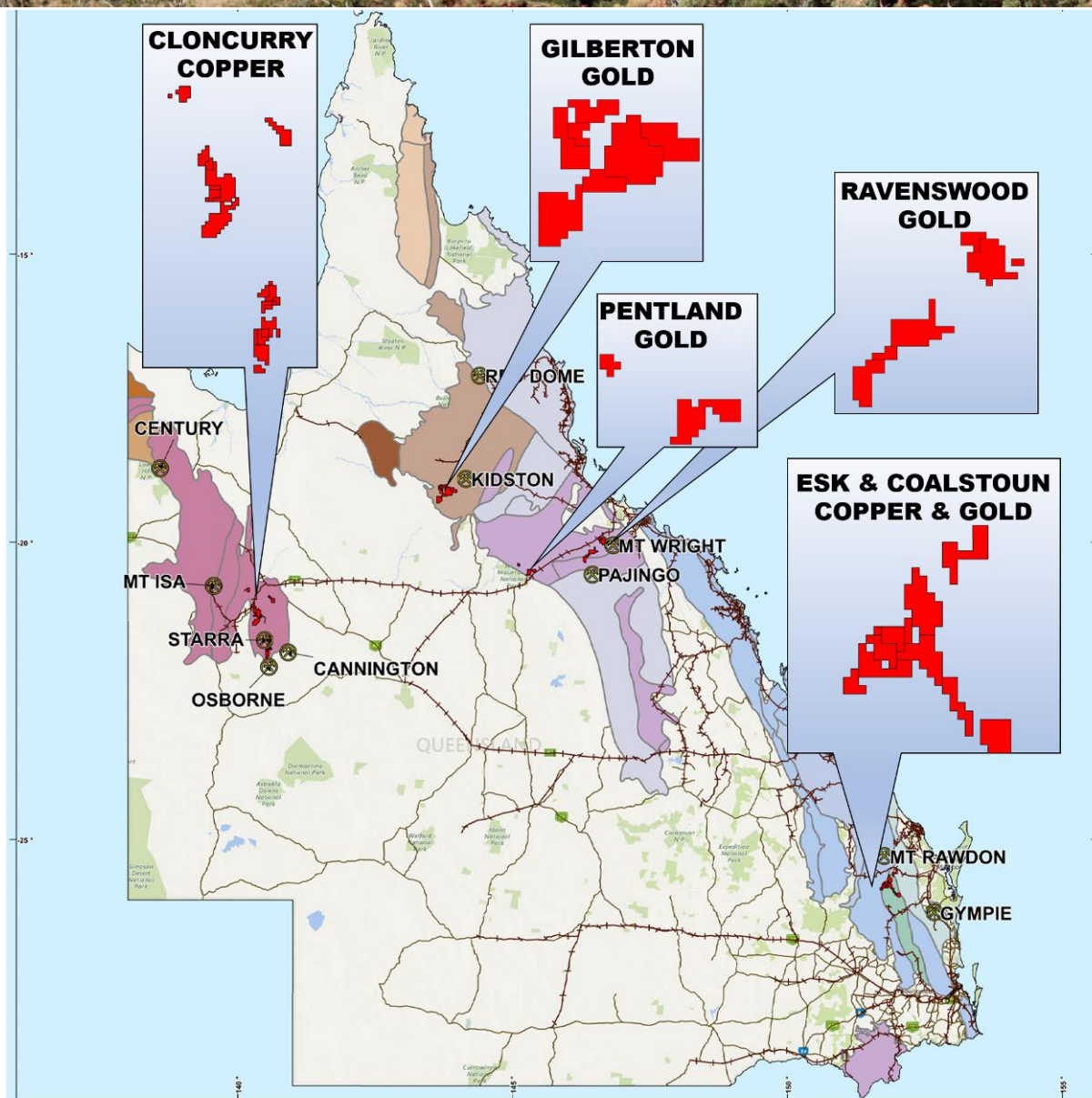
## CORPORATE

- Mr Mark Derriman was appointed Executive Technical Director overseeing operations of the Company.
- Au Resource is currently reviewing regional open file datasets relating to the companies North Queensland Projects as per the executed Term Sheet. They have completed a preliminary in-house analysis of geochemical, geophysical, geological and deposit datasets which has been supplied to ActivEX in draft form. Au Resource are primarily targeting IOCG (Iron Oxide Copper Gold), SEDEX Cu and Porphyry/Epithermal Cu Au. The initial data processing has highlighted several areas of exploration interest with field appraisal planned to commence in the September Quarter.

## FINANCIAL

As at 30 June 2018, the Company held approximately \$49,000 in cash and has access to an undrawn facility of \$295,000 pursuant to the loan facility agreement entered into with ASF Group Limited in November 2017.





**ActivEX LIMITED**

**Legend**

- Town
- Road
- Railway

**Tectonic Province**

- Savannah / Iron Range Province
- Murphy / Western / Kalkadoon-Ewen / Eastern Province
- Hogkinson / Broken River / Clarke River Province
- Etheridge Province
- Croydon Province
- Cape River / Anakie / Thalanga Province
- New England Orogen

**ACTIVEX QUEENSLAND TENEMENTS**

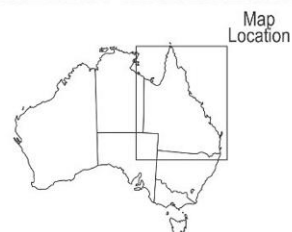


Figure 2. ActivEX Limited Queensland Projects and tenements.

## OPERATIONS

During the Quarter, ActivEX completed a tenement rationalisation and ranking assessment. The assessment is ongoing and will allow efficient and focussed exploration activities on priority targets.

Rehabilitation of drill sites, access tracks and grass seeding has commenced at Barambah Gold Project to make the best use of seasonal rains.

Further exploration activities, such as geological/structural mapping, focussed rock chip, conventional soil sampling and drill testing of priority targets, will be undertaken at the Company's QLD projects in the 2018 field season. In addition, the company will be looking to grow the current resource base through a combination of internal and external funding.

### RAVENSWOOD GOLD PROJECT – North Queensland

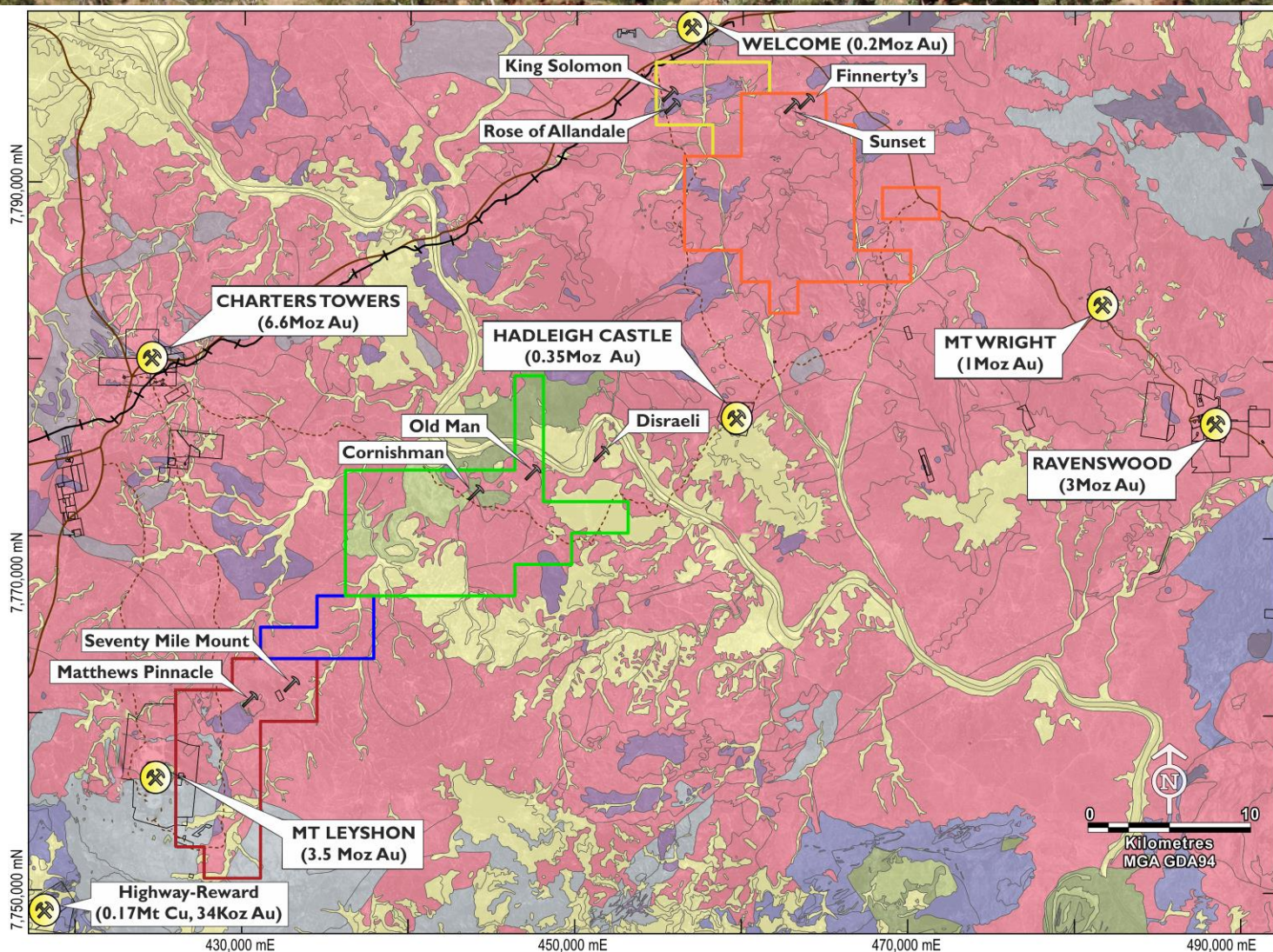
**(EPMs 18424, 18426, 18637, 25466 and 25467 – ActivEX 100%)**

The Ravenswood Gold Project is situated in the Charters Towers Province in northeast Queensland, approximately 60km south of Charters Towers (Figure 2&3). The Project consists of EPMs 18424 (Mt Leyshon), 18637 (King Solomon), 18426 (Cornishman), 25466 (Charlie Creek) and 25467 (Birthday Hills), which comprise a total of 104 sub-blocks and encompass an area of 331km<sup>2</sup> (Figure 3). ActivEX Limited holds 100% interest in all the tenements.

The Project is in the highly prospective Charters Towers – Ravenswood region which has produced over 12Moz of Au and hosts the 3.8Moz Mount Leyshon deposit as well as the 1Moz Mount Wright Au deposit. Mineralisation styles in the district include mesothermal gold veins (e.g. Charters Towers and Ravenswood Goldfields), breccia hosted gold (e.g. Mount Leyshon, Welcome Breccia) and epithermal gold veins (e.g. the Paingo group).

During this quarter, ActivEX has reviewed historical drilling data at the Fenian prospect on EPM 18424 (Ravenswood Gold Project) located adjacent to the Mt Leyshon mine (under care & maintenance) in northern Queensland. In 2017, H&S Consultants completed an exploration targets report which established two broad zones of gold mineralisation and highlighted additional data that would be required to enable the deposit to be classified as an exploration target. There has been a significant amount of historical drilling, especially within the Mt Leyshon (EPM18424) tenement where several zones of gold mineralisation have been intersected along the Mt Leyshon mineralised corridor (Figure 4) to the north east of the Mt Leyshon mine at Seventy Mile and Matthews Pinnacle. This review may provide early stage drill targets. The owner of a gold processing plant situated within 15km of the Fenian Project have stated they will be looking at toll treating options for their facility, this is an opportunity the Company will be pursuing.





**ActivEX LIMITED**

### Legend

- Mt Leyshon EPM 18424
- Cornishman EPM 18426
- King Solomon EPM 18637
- Charlie Creek EPM 25466
- Birthday Hills EPM 25467
- Mining Lease (not ActivEX Ltd)
- Road
- Access Track
- Railway

### Geology

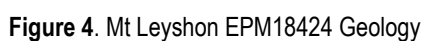
- Cainozoic
- Alluvial, Colluvial and Sedimentary Cover
- Palaeozoic
- Carboniferous-Permian Granitoid
- Carboniferous-Permian Volcanic
- Devonian Sediment
- Ordovician Volcanic
- Palaeozoic Felsic Granitoid
- Palaeozoic Mafic Granitoid
- Cambrian Volcanic

## RAVENSWOOD GOLD PROJECT



Figure 3. ActivEX Limited Ravenswood Gold Project tenement and prospect locations.





## **GILBERTON GOLD PROJECT – North Queensland**

**(EPMs 18615, 18623, 19207, 26232 and 26307 – ActivEX 100%)**

The Gilberton Gold Project is situated in the Georgetown Province in northeast Queensland, approximately 300km west-northwest of Townsville (Figure 2&5). The Project is in an area which is prospective for several metals (Au, Ag, Cu, Ta-Nb, Co) and a wide range of deposit styles (plutonic IRGS, porphyry breccia, and epizonal / epithermal IRGS). The world-class Kidston breccia hosted Au-Ag deposit occurs in similar geological terrain approximately 50km to the northeast. The Project consists of EPMs 18615 (Mt Hogan), 18623 (Gilberton), 19207 (Percy River), 26232 (Gum Flat) and 26307 (Split Rock). The Project is comprised of a total of 174 sub-blocks and encompasses an area of 566km<sup>2</sup> (Figure 3). ActivEX Limited holds 100% interest in all the tenements.

Further exploration activities, such as geological/structural mapping, focussed rock chip and conventional soil sampling, will be undertaken at Mt Hogan, Gilberton, Percy River, Gum Flat and Split Rock EPMs (e.g. Gum Flat, Bernecker, Split Rock and Christmas Hill prospects) with a view to trenching, channel sampling and drilling at multiple targets within the Gilberton Gold Project in 2018.

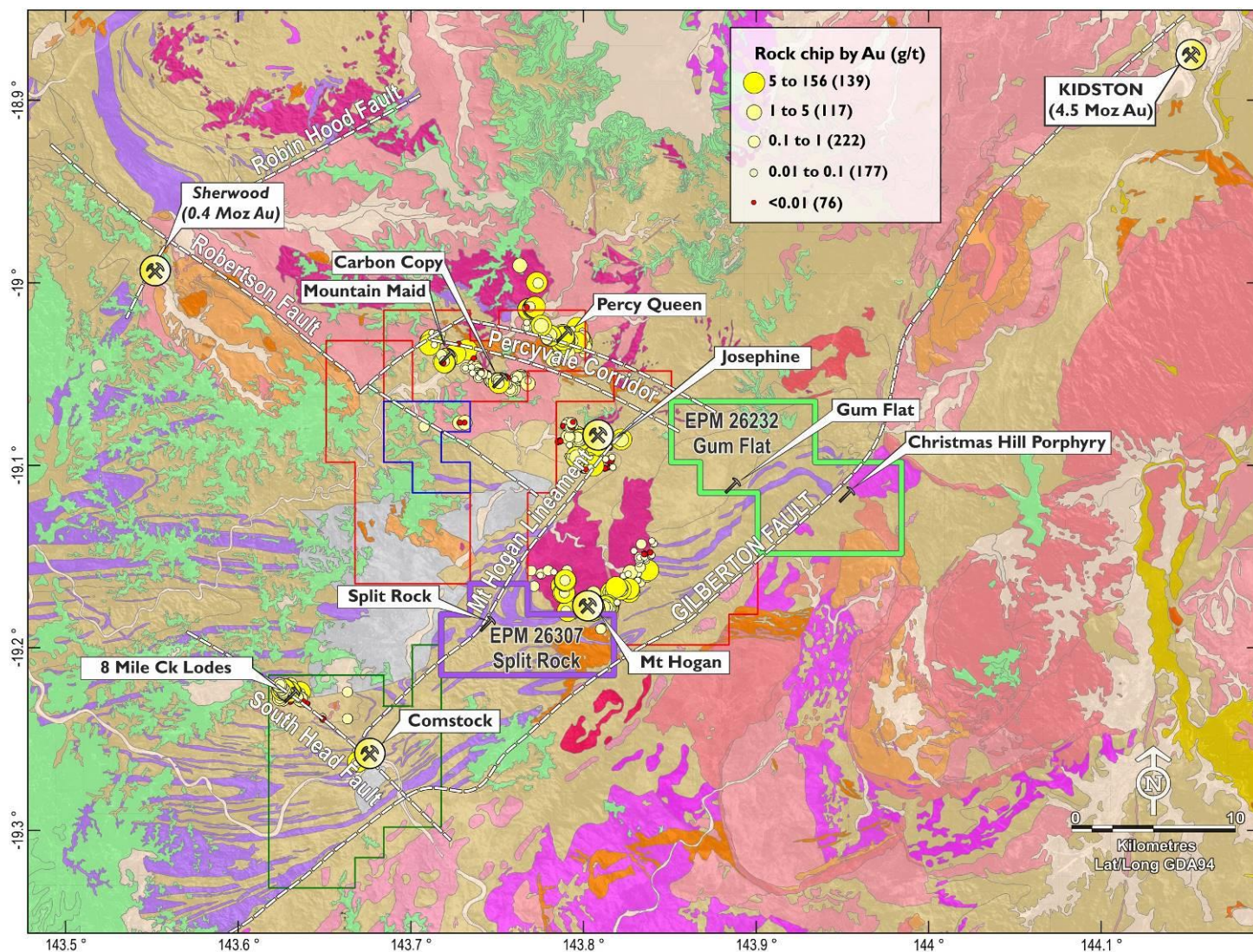
## **CLONCURRY COPPER AND GOLD PROJECT – Northwest Queensland (EPMs 14955, 15285, 17313, 17805, 18053, 18073, 18511, 18852, 25192, 25454 and 25455 – ActivEX 100%)**

The Cloncurry Copper and Gold Project is situated in northeast Queensland, approximately 60km south of Cloncurry (Figure 2&6). It is situated within the Eastern Succession of the Mount Isa Inlier, which is a highly prospective geological terrane containing numerous major deposits. These include Iron Oxide Copper Gold, skarn style Cu-Au, and Merlin-style Mo deposits. The Project consists of EPMs 14955 (Mt Agate), 15285 (Florence Creek), 17313 (Malbon), 17805 (Florence Flat), 18053 (Bulonga), 18073 (Selwyn East), 18511 (Brightlands), 18852 (Robur), 25192 (Concorde), 25454 (Heathrow East) and 25455 (North Camel Dam), which comprise a total of 299 sub-blocks and encompasses an area of 1,020km<sup>2</sup> (Figure 1). ActivEX Limited holds 100% interest in all the tenements.

Exploration to date has delineated numerous mineralised targets, many of which are yet to be drill tested. The projects initial JORC Resource in 2015 at the Florence Bore prospect highlights to prospectivity of ActivEX's extensive Cloncurry portfolio in a significant gold/copper geological province.

Further exploration activities, such as geological/structural mapping, focussed rock chip, conventional soil sampling and drill testing of priority targets, will be undertaken at the Cloncurry copper-gold project in the 2018 field season.



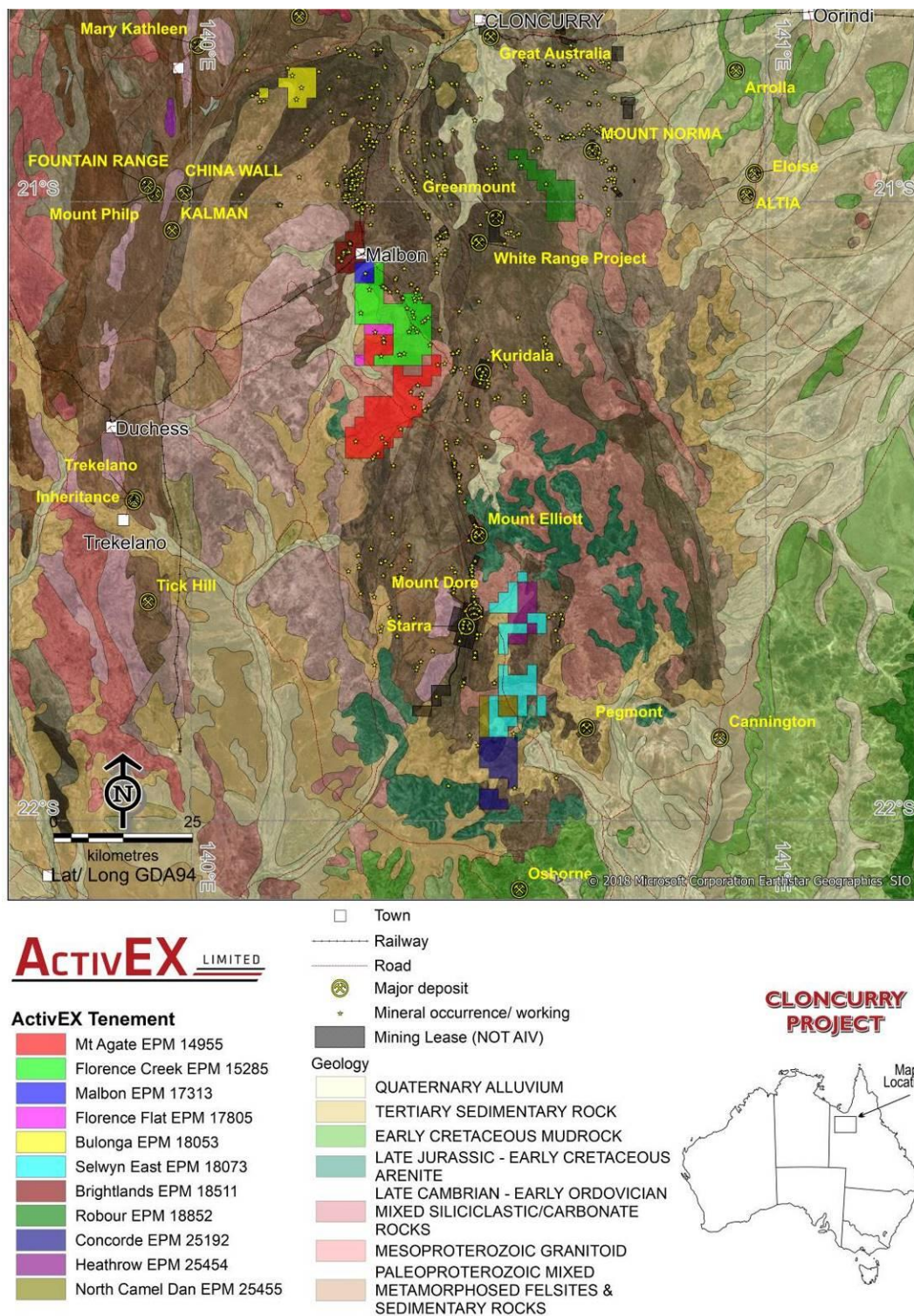


### GILBERTON GOLD PROJECT



**Figure 5.** ActivEX Limited Gilberton Gold Project regional geology, tenements, prospect and rock chips thematically mapped by Au content.





**Figure 6.** ActivEX Limited Cloncurry Copper and Gold Project regional geology, tenements and prospect.



**PENTLAND GOLD PROJECT – North Queensland****(EPM 14332 – ActivEX 100%)**

The Pentland Gold Project consists of tenement EPM 14332 (Pentland), which comprises a total of 39 sub-blocks and encompass an area of 125km<sup>2</sup> (Figure 1). It is in the Charters Towers district of northern Queensland. The township of Pentland is located within the tenement area, in the southeast of EPM 14332. The project contains 4 established prospects where ActivEX has carried out extensive ground-based surveys and these areas are drill-ready with a number of targets already identified. Outside of these areas, the project package is only lightly explored and significant potential remains.

The Pentland tenement encompasses much of the Cape River Gold and Mineral Field. Alluvial, deep lead and primary gold were discovered along the Cape River in 1867. Recorded production from the field was around 45,000 ounces (approximately 1400kg), but true production was considerably more as there is no record of the amount extracted by the Chinese miners, who were almost as numerous as Europeans during the productive years of the field in the late 1800's. Several areas within the Exploration Permits have seen small scale mining since that time. The Pentland tenements cover an area in which a wide variety of mineralisation styles have been identified and worked in part, including quartz vein gold, alluvial, alluvial and deep lead gold, shear zone hosted gold, epithermal and porphyry-related gold, porphyry-related copper-molybdenum, and shear-breccia zone hosted Pb-Cu-Au.

Gold, copper and molybdenum mineralisation is hosted in breccia zones containing diorite fragments in a vuggy quartz-sulphide matrix and steeply dipping, vuggy quartz-galena-sphalerite veins. There are many mineral occurrences in the tenement with four prospects currently under investigation at various stages in the exploration process.



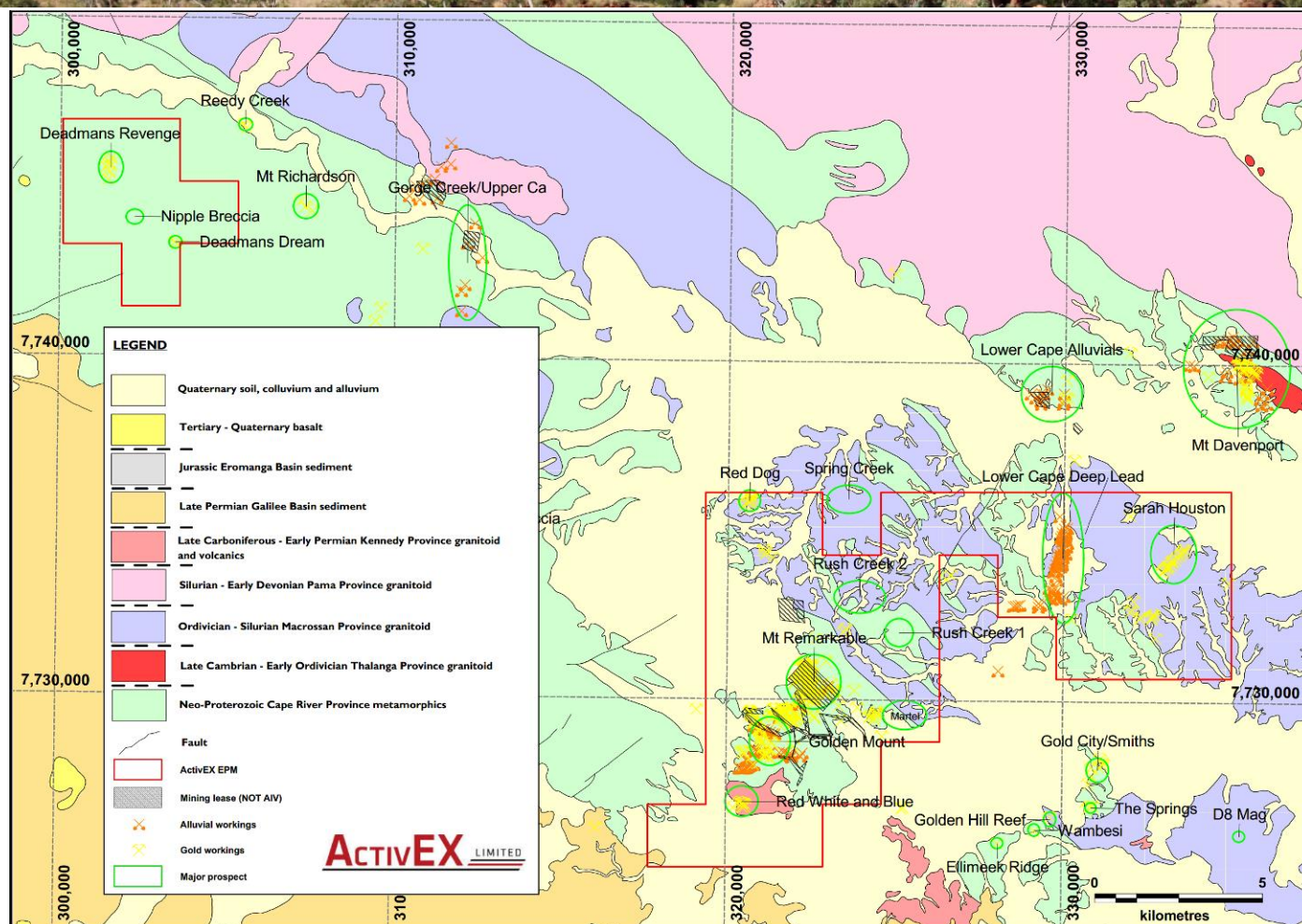


Figure 7. ActivEX Limited Pentland Gold Project regional geology



## **BARAMBAH GOLD PROJECT – Southeast Queensland**

### **(EPMs 14937 and 18732 – ActivEX 100%)**

The Barambah Gold Project is located in south-east Queensland between the towns of Gayndah and Goomeri, 215 kilometres due north-west of Brisbane (Figure 2&8). The project tenure comprises EPMs 14937(Barambah) and 18732 (One Mile) comprises a total of 25 sub-blocks and encompass an area of 77 square kilometres (Figure 1).

The Barambah deposit consists of several gold and silver mineralised veins hosted by the Aranbanga Volcanic Group which consist of a number of polymictic to monomictic pyroclastic breccia, rhyolitic lapilli-ash tuff and rhyolitic airfall lapilli-ash tuff and lesser intrusive andesite. The veins are cut by quartz-feldspar phyric rhyolitic dykes, particularly to the north of historic mining. Field observations, age relationships and regional geological dating, suggest an approximate age of  $\sim 220 \pm 5$  Ma for the deposit.

To date drill testing has been confined along strike of the Barambah open pit with the delineation of a maiden JORC Resource by the Company in 2015. The Aranbanga Volcanic Group is host to numerous auriferous epithermal quartz vein systems and deeper CSAMT targets along the main Barambah trend which to date remain untested by drilling. The Company is reviewing funding options for a drill focussed exploration program to grow the current gold resource base at the Barambah Gold Project.

## **ESK COPPER AND GOLD PROJECT – Southeast Queensland**

### **(EPMs 14476, 14979, 16265 and 16327 – ActivEX 100%)**

The Esk Copper and Gold Project consists of tenements 14476 (One Mile), 14979 (Dadamarine), 16265 (Blairmore), 16327 (Ban Ban), which comprises a total 53 sub-blocks and encompass an area of 167 km<sup>2</sup> (Figure 2&8). ActivEX Limited holds 100% interest in all tenements. The Project is located in the New England Orogen in southeast Queensland between the towns of Gayndah and Goomeri, 215 km due northwest of Brisbane (Figure 1). The prospects are situated at the intersection of the NNW trending Perry Fault zone (host to Mt Rawdon +2Moz gold deposit) and NE trending (Darling Lineament related) structures.

The Esk Copper and Gold project is host to mineralisation with similarities to many High-K Calcalkalic to Alkalic Porphyry copper-gold deposits, near surface supergene copper deposits, as well as potential for breccia-pipe hosted gold-copper deposits.

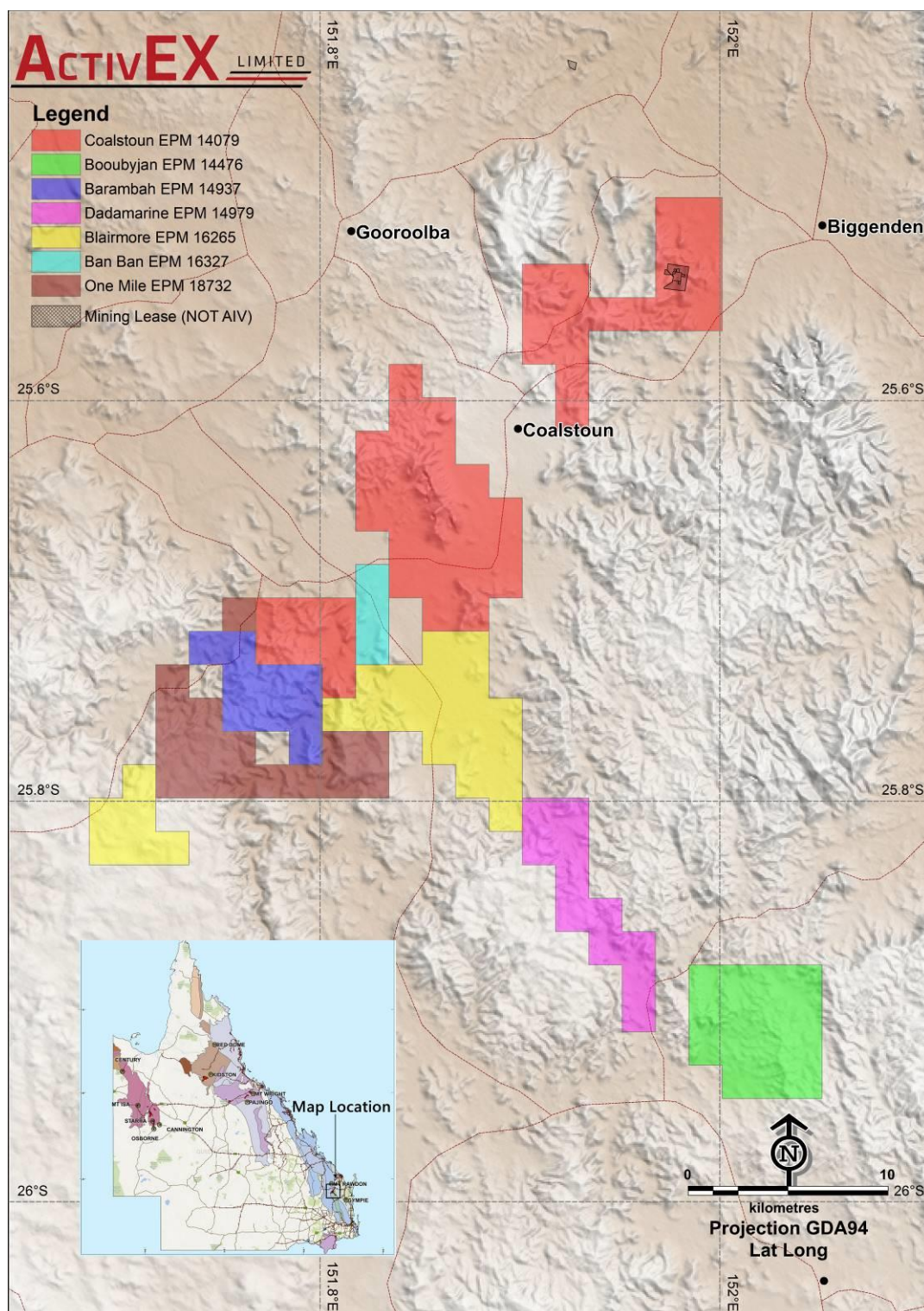
## **COALSTOUN LAKES COPPER AND GOLD PROJECT – Southeast Queensland**

### **(EPM 14079 – ActivEX 100%)**

The Coalstoun Lakes Copper and Gold Project consists of tenement EPM 14079, which comprises 50 sub-blocks and encompass an area of 160 km<sup>2</sup> (Figure 1). The Project is located in the New England Orogen in southeast Queensland between the towns of Gayndah and Goomeri, 215 km due northwest of Brisbane (Figure 2&8). ActivEX Limited holds 100% interest in the tenement. The Coalstoun Lakes Copper and Gold Project is situated at the intersection of the NNW trending Perry Fault zone (host to Mt Rawdon +2Moz gold deposit) and NE trending (Darling Lineament related) structures.

The Coalstoun Lakes Copper and Gold Project is host to mineralisation with similarities to many High-K Calc-alkalic to Alkalic Porphyry copper-gold deposits, near surface supergene copper deposits, as well as potential for breccia-pipe hosted gold-copper deposits.





**Figure 8.** ActivEX Limited South-east Queensland Projects and Tenements location.



## LICENCES STATUS

Pursuant to ASX Listing Rule 5.4.3 the Company reports as follows in relation to minerals tenements held at the end of the June 2018 quarter and acquired or disposed of during that quarter and their locations.

There was no change in beneficial interests under farm-in or farm-out agreements.

### List of Exploration/Mining Tenements held by ActivEX Limited at 30 June 2018

(in accordance with ASX Listing Rule 5.3.3)

Project Name	Tenement Name	EPM	Status	Granted	Expires	Holder	Details	Interest at start of quarter	Interest at end of quarter	Sub-blocks at start of quarter	Sub-blocks at end of quarter
<b>Southeast Queensland</b>											
Barambah Gold	Barambah	14937	Granted	14-Mar-05	13-Mar-22	ActivEX Limited		100%	100%	9	9
	One Mile	18732	Granted	15-Oct-10	14-Oct-20	ActivEX Limited		100%	100%	16	16
Esk Copper and Gold	Boobyjan	14476	Granted	08-Jun-04	07-Jun-22	ActivEX Limited		100%	100%	15	15
	Dadamarine	14979	Granted	12-Apr-05	11-Apr-20	ActivEX Limited		100%	100%	11	11
	Blairmore	16265	Granted	04-Sep-07	03-Sep-17	ActivEX Limited	Renewal lodged	100%	100%	24	24
	Ban Ban	16327	Granted	31-Jul-07	30-Jul-22	ActivEX Limited		100%	100%	3	3
Coaltoun Lakes Copper and Gold	Coaltoun	14079	Granted	23-Oct-03	22-Oct-20	ActivEX Limited		100%	100%	50	50
<b>Northwest Queensland</b>											
Cloncurry Copper and Gold	Mt Agate	14955	Granted	29-Jun-06	28-Jun-21	ActivEX Limited		100%	100%	50	50
	Florence Creek	15285	Granted	30-Oct-07	29-Oct-22	ActivEX Limited		100%	100%	43	43
	Malbon	17313	Granted	24-May-10	23-May-18	ActivEX Limited	Renewal lodged	100%	100%	5	5
	Florence Flat	17805	Granted	21-Apr-11	20-Apr-21	ActivEX Limited		100%	100%	4	4
	Brightlands	18511	Granted	30-Apr-12	29-Apr-22	ActivEX Limited		100%	100%	11	11
	Selwyn East	18073	Granted	19-Sep-11	18-Sep-21	ActivEX Limited		100%	100%	36	36
	Concorde	25192	Granted	16-Dec-14	15-Dec-19	ActivEX Limited		100%	100%	21	21
	Heathrow East	25454	Granted	24-Dec-14	23-Dec-19	ActivEX Limited		100%	100%	11	11
	North Camel Dam	25455	Granted	01-May-15	30-Apr-20	ActivEX Limited		100%	100%	8	8
	Robur	18852	Granted	10-Aug-12	09-Aug-22	ActivEX Limited		100%	100%	20	20
North Queensland	Bulonga	18053	Granted	27-Apr-12	26-Apr-22	ActivEX Limited		100%	100%	13	13
	Percy River	19207	Granted	13-Dec-12	12-Dec-22	ActivEX Limited		100%	100%	7	7
	Mt Hogan	18615	Granted	19-Jun-13	18-Jun-23	ActivEX Limited		100%	100%	89	89
	Gilberton	18623	Granted	08-Apr-14	07-Apr-19	ActivEX Limited		100%	100%	37	37
	Gum Flat	26232	Granted	02-Feb-17	01-Feb-22	ActivEX Limited		100%	100%	27	27
	Split Rock	26307	Granted	06-Mar-17	05-Mar-22	ActivEX Limited		100%	100%	14	14
	Pentland	14332	Granted	10-Dec-04	09-Dec-19	ActivEX Limited		100%	100%	39	39
	Mt Leyshon	18424	Granted	08-May-12	07-May-22	ActivEX Limited		100%	100%	22	22
	King Solomon	18637	Granted	17-Aug-12	16-Aug-22	ActivEX Limited		100%	100%	8	8
	Cornishman	18426	Granted	16-Dec-14	15-Dec-19	ActivEX Limited		100%	100%	34	34
Ravenswood Gold	Charlie Creek	25466	Granted	14-Oct-14	13-Oct-19	ActivEX Limited		100%	100%	6	6
	Birthday Hills	25467	Granted	19-Mar-15	18-Mar-20	ActivEX Limited		100%	100%	34	34
<b>Western Australia</b>											
Lake Chandler Potash	Lake Chandler	M77/22	Granted	17-Jan-85	16-Jan-27	ActivEX Limited		100%	100%	359 ha	359 ha

For further information contact:  
**Mr Mark Derriman, Executive Technical Director**  
 or **Mr Craig McPherson, Company Secretary**



## **Appendix 1**

### **Declarations under 2012 JORC Code and JORC Tables**

The information in this report which relates to Exploration Results is based on information reviewed by Mr. Mark Derriman, who is a member of The Australian Institute of Geoscientists (1566) and Mr. Xusheng Ke, who is a Member of the Australasian Institute of Mining and Metallurgy (310766) and a Member of the Australian Institute of Geoscientists (6297).

Mr. Mark Derriman and Mr. Xusheng Ke have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activities 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. Mark Derriman and Mr. Xusheng Ke consent to the inclusion of his name in this report and to the issue of this report in the form and context in which it appears.