

# **FINAL REPORT**

**EXPLORATION LICENCE 26963**

**Wingate Mountain**

**Map Sheet: FERGUSON\_RIVER SD5212 1:2500 000**

**15 May 2016 – 14 May 2017**  
**Cu Ni Pb Zn Ag**

**CHINA AUSTRALIA LAND RESOURCES PTY LTD**

**ACN 154 511 298**

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## 1.0 SUMMARY

The tenement area lies in the western parts of the Pine Creek Inlier (Litchfield Province) and is considered to have good potential for magmatic Cu-Ni mineralisation related to the Wangi Basics and gold, silver related to Giants Reef Fault. The Litchfield Province is the continuation of the prospective Halls Creek Province of the Kimberley's, a known significant magmatic Cu-Ni province. Through the research and evaluation of the geologists in CALR, we decided to abandon the exploration licence.

## 2. LOCATION & ACCESS

Exploration Licence 26963 is one of the Daly Group ELs. It is located about 200km SSW of Darwin in very rugged and dissected country immediately north of the Wingate Mountains on PORT\_KEATS ( SD52-11 ) and FERGUSON\_RIVER (SD52-12) 1:2500 000 scale map sheets.

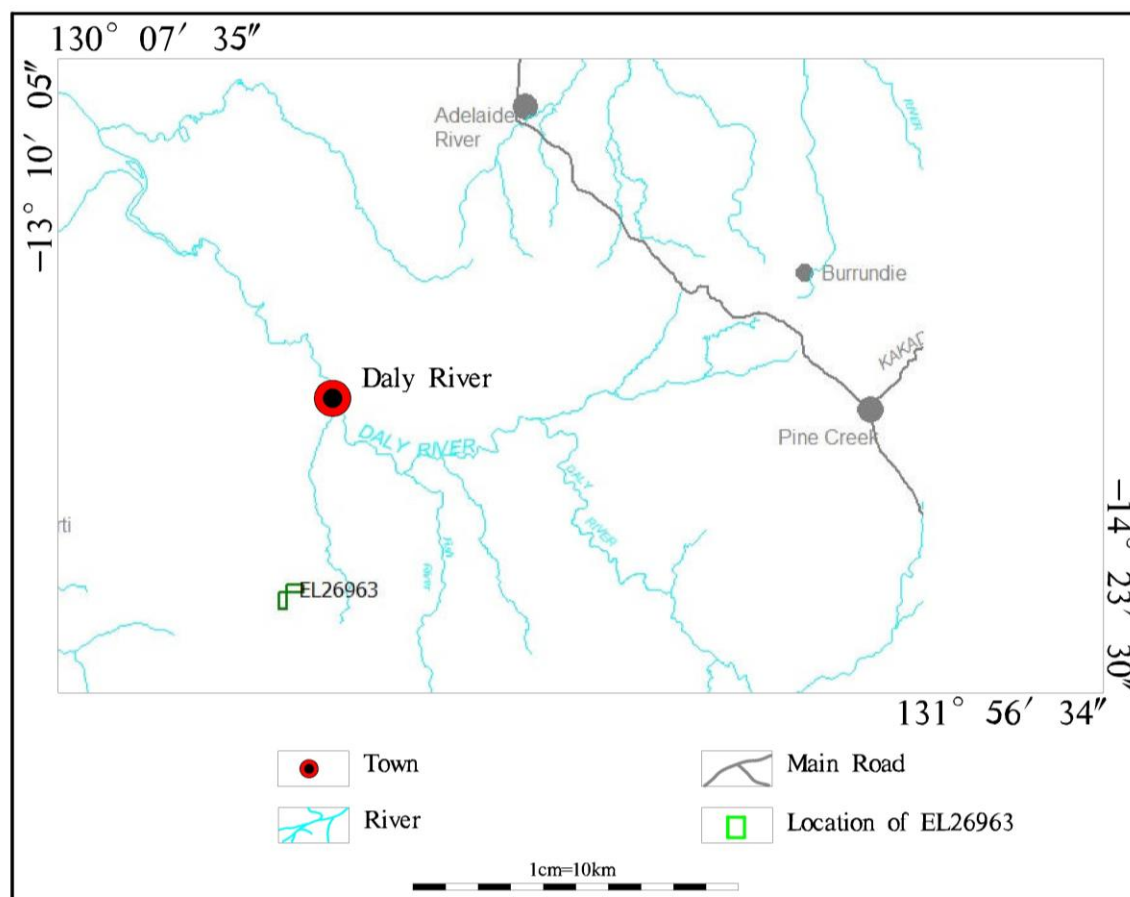


Figure 1 Location map of Daly Group ELs

### 3. TENEMENT STATUS

The licence is owned and operated by China Australia land resources PTY LTD (CALR) which were granted to CARL from 2009 to 2013. Licenses details for Daly Group are outlined in Table 1 below. There were no other mining leases or mineral claims shown within the licences boundaries.

EL26963 was granted to CALR and became effective for a six-year period 10th September 2012. Although the exploration licence is still in the period of validity, but most of those exploration licence own by CALR are primary licence, every year, CALR has to cost much money to rent and preserve those licence. So, through past two year's exploration indoor research and review of history date, CALR decide to abandon EL26963.

### 4. REGIONAL GEOLOGY

The reporting area is dominated by 2 main physiographic units, these being the Daly River Basin in the east and the northern uplands in the west.

The Daly River Basin Unit consists of thick sequences of dolomites and limestone, with a flat black soil surface expression. The Northern Uplands consist of folded and rugged Proterozoic sediments and meta-sediments. The Daly River is the main drainage system in the area.

Vegetation is generally tall open woodland country, except in the granitic areas where vegetation is often smaller and sparser. Cleared areas are dominated by thick tall grass and drainages are usually surrounded by tall, thick, dense woodland and bamboo.

The climate is monsoonal with a hot wet season from November to March, and a hot dry season between May and September. Average rainfall in the area is somewhere between 1200 and 1400mm each year.

The reporting area is made up of two significant structural units, these being the Daly Basin and the Litchfield Province. The Litchfield Province is an area of metamorphic and intrusive igneous rock, which is bounded to the east by the Giants Reef Fault.

The Daly Basin is a sequence of Cambrian limestones and dolomites overlying the Antrim Plateau Volcanic. Some granite crops out within this area, and the same rock type exists to the north east of the area. In the southern part of the ELs Tertiary sands and claystone of the Cretaceous Mullaman Beds overly unknown basement but probably Chilling Sandstone. In the northern part, metasediments of the Chilling Sandstone are intruded by the TiTree Granophyre.

Table 2 Stratigraphy of Daly Group

<b>Time</b>	<b>Unit</b>	<b>Rock Suit</b>
Cambrian	Daly River Group	Limestone; siltstone; sandstone; arkose; quartz arenite
Regional Unoconformity		
Middle Proterozoic	Tolmer Group  Depot Creek Sandstone	Dolomite; calcareous Sandstone; halite Sandstone; shallow marine Sandstone
Regional Unoconformity		
Early Proterozoic	Fish Billabong Adamellite Mt Litchfield Granite	Biotite adamellite, aplite Granite
	Wangi Basics	Basalt; gabbro; dolerite; ultramafic rocks
	Finiss River Group  Burrell Creek Formation  Warrs Volcanic Member  Mulluk Mulluk Volcanics	Sediments and felsic volcanic rocks Phyllite ; lithic quartz arenite ; conglomerate within acid volcanic clasts  Submarine acid volcanics; dacitic lavas; tuffaceous siltstone and volcanoclastic lithic arenite  Spherulitic rhyolite
Regional Unoconformity		
	Hermit Creek Metamorphics	High grade metamorphic rocks , amphibolite to granulite facies , retrograded ; metabasite ; paragneiss ; granitoid

## **5.0 PREVIOUS EXPLORATION**

### **5.1 Preliminary geological and geophysical studies**

CR19920539; CR19930550; CR19930498; CR19940593; CR19940590; CR19950101;  
CR19950188; CR19960222; CR19960194; CR19900664; CR19910024; CR19890069;  
CR19870182; CR19860276; CR19890603; CR19880361; CR19890604; CR19860120;  
CR19820017; CR19690041; CR19800165; CR19800249; CR19810273; CR19790169;  
CR19810310; CR19780150; CR19780149; CR19830150; CR19800083; CR19810280;  
CR19780172; CR19780064; CR19780173; CR19810071; CR19810215; CR20101032;  
CR20110476; CR20100816; CR20090961; CR20100945; CR20090957

### **5.2 Previous exploration summary**

(1) Planet Gold during 1969-1970 for uranium, gold and base metals  
(2) Carpentaria Exploration Company during 1985-1991 for gold and base metals  
(3) Tipperary Mining with Mobil Energy Minerals during 1992-1995 for Uranium and base metals  
(4) Corporated Developments in the mid to late 1990th for gold and base metals  
(5) Outback company in the late 2000th to early 2010th for gold and base metals  
There are several mineral occurrences with the ELs as listed in the NTGS MODAT database.  
The mineral commodities considered were gold, base metals and uranium.

## **6.0 EXPLORATION COMPLETED DURING 2013-2015**

During the reporting period CALR finished the following workload: 1:10000 mapping 41km<sup>2</sup>; 1:2000 mapping 4km<sup>2</sup>; 1:2000 measured section 8km; 17 costean; 4 drilling hole; 1:10000 soil geochemical survey 24km<sup>2</sup>. Most of those workload were located at EL29887, And only several route survey were undertaken at the other ELs.

## **7 EXPENDITURE**

Exploration expenditure on the tenement from 10th September 2013 to now was

totally \$ 38,000.00..

## **8 Conclusions AND Recommendations**

Via outdoor route survey and indoor research, CALR decide to abandon this exploration license.

## **9 References**

Placer AUSTEX PTY. Limited, 1978. EL 1236, Daly River, Northern Territory, Final report. Unpub., company report to Northern Territory Mines Department.

RODWELL, G.N., 1979. Airborne Sepectrometer survey, Chilling Creek-Twin Peaks Area, Northern Territory. Mobil Energy Minerals Australia Inc. UNpub. Rept.

WALPOLE, B.P., CROHN, P.W., DUNN, P.R., and RANDAL, M.A., 1968. Geology of the Katherine-Darwin Region, Northern Territory. Bur. Miner. Resour, Aust. Bull.82

BMR MAPS Cape Scott, Pine Creek, Port Keats and Fergusson River 1:250,000 geological sheets; Katherine-Darwin Area Victoria River Region, and the Pine Creek Geosyncline 1:500,000 scale geological sheets.