

Gregory Lance Wood & Sandra Maureen Wood

Compiled by Capricorn Mapping & Mining Title Services

ML 31705

'Wandie 2'

Annual Report
year ending 5th June 2019

MOUNT EVELYN SD5305
Northern Territory

Target Commodity: Gold

Submitted by: Gregory Lance Wood

Reporting Period: 6th June 2018 to 5th June 2019

Copies to: Gregory & Sandra Wood
Department of Primary Industry and Resources

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Report No. WOOD_31705_1

Contents

SECTION 1: OUTLINE AND INTRODUCTION.....	1
1.1 Operator	1
1.2 Address.....	1
1.3 Contact Details	1
1.4 Contact Person	1
SECTION 2: ABSTRACT AND PROJECT DETAIL, GEOLOGICAL, GEOPHYSICAL AND MINING ACTIVITY.....	1
2.1 Abstract	1
2.2 Location, Title History, Physiography and Access.....	4
2.3 Geological Setting, Exploration/ Mining History and Exploration Rationale.....	5
2.4 Exploration Index Map	9
2.5 Geological Activities and Office Studies.....	9
2.6 Remote Sensing	9
2.7 Regional Geology	9
2.8 Geophysical Activities	11
2.9 Surface Geochemistry	11
2.10 Drilling	11
2.11 Geotechnical Studies.....	11
2.12 Resources and Reserve Estimation	11
SECTION 3: CONCLUSION AND RECOMMENDATIONS	11

List of Plans

Plan No.	Title	Scale
WOO044	ML31705 "WANDIE 2" Topographical	1:70,000
WOO042	ML31705 "WANDIE 2" Geology	1:100,000
	ML31705 "WANDIE 2" Google Earth Access Map	
	ML31705 "WANDIE 2" Strike Map with Surrounding Tenement and Mineral Occurrences	

List of Tables

Table 1	Title Summary Report ML31705
Table 2	Historical Mining 'Unnamed'
Table 3	Historical Mining 'Rock Scorpion'
Table 4	Google Earth - Drainage Through Strip Mining Area

SECTION 1: OUTLINE AND INTRODUCTION

1.1 Operator

The operators of the title under the Mining Management Act are Gregory Lance Wood and Sandra Maureen Wood.

1.2 Address

Box 194, Pine Creek NT 0847

1.3 Contact Details

Mobile: 0427 723 301

1.4 Contact Person

Greg Wood

SECTION 2: ABSTRACT AND PROJECT DETAIL, GEOLOGICAL, GEOPHYSICAL AND MINING ACTIVITY

2.1 Abstract

EL 29032 was granted to Gregory Lance Wood and Sandra Maureen Wood on the 6th of July 2012 for a period of six years.

Greg and Sandra then applied for ML31705 as a 'commercial fossicking activity' under the Mineral Titles Act 2015. (See below):

Mineral Titles Act 2015

Part 1, Division 2, Page 8

Tourist fossicking means a commercial venture that:

(a) is conducted by the holder of a mineral lease; and

(b) offers fossicking as an activity that may be conducted by individuals in the title area of the mineral lease.

See also: Part 3, Division 3, Section 40 (b) (iii), Page 24

Part 3, Division 3, Section 44 (2) (b), Page 26

Part 3, Division 3, Section 44 (3), Page 27

Part 8, Section 135 (1), Page 67

Part 8, Section 135 (2), Page 67

Part 8, Section 135 (3), Page 68

No work has been undertaken in the first year of tenure.

See Table 1 below 'Title Summary Report':

Table 1. Title Summary Report



GPO Box 4550
Darwin NT 0801
AUSTRALIA
www.minerals.nt.gov.au

Title Summary Report

General Information

Legislation: Mineral Titles Act
Title Type: Mineral Lease (ML)
Title Number: 31705
Status: Grant
Area: 38 Hectares

Holders Information

Name	Contact Information	Ownership
Gregory WOOD		50%
Sandra WOOD		50%

None Recorded

Contact Information

Name	Contact Details
Gregory WOOD	PO Box 194 Pine Creek 0847
Sandra WOOD	PO Box 194 Pine Creek 0847
Gregory WOOD	PO Box 194 Pine Creek 0847

None Recorded

Most Recent Transactions

Transaction	Effective / Start Date	Expiry / End Date	Period	Area / Blocks
Grant	06/06/2018	05/06/2028	10 Years	38
Gazettals	06/06/2018			
Advertisements (NT News)	21/02/2018	23/03/2018		
Application	01/09/2017		10 Years	38

None Recorded

Historical Titles, Open Filed Reports (GEMIS)

Historical Title	Report ID	Link
EL25668	CR2011-0786	Report
EL25668	CR2011-0609	Report
EL25668	CR2010-0534	Report
EL25668	CR2009-0662	Report
EL25668	CR2008-0422	Report
SEL9679	CR2004-0741	Report
SEL9679	CR2003-0490	Report
SEL9679	CR2002-0306	Report
SEL9679	CR2002-0007	Report

Title Summary Report

SEL9679	CR2001-0043	Report
SEL9679	CR2000-0054	Report
SEL9679	CR1998-0833	Report
SEL9679	CR1998-0471	Report
SEL9679	CR1998-0287	Report
EL7988	CR1997-0150	Report
SEL9679	CR1997-0150	Report
SEL9679	CR1997-0146	Report
EL7988	CR1996-0398	Report
EL7988	CR1995-0624	Report
EL7988	CR1994-0564	Report
EL1558	CR1979-0140	Report
EL940	CR1974-0178	Report
EL44	CR1973-0020	Report
EL44	CR1973-0019	Report
EL44	CR1973-0018	Report
EL44	CR1973-0017	Report
AP1835	CR1971-0146	Report
EL44	CR1971-0131	Report
AP1835	CR1970-0097	Report
AP1835	CR1969-0078	Report
AP1835	CR1969-0073	Report
AP1835	CR1969-0071	Report
AP1835	CR1968-0064	Report
AP1608	CR1967-0048	Report
AP1608	CR1966-0043	Report
EL44	CR1966-0039	Report

2.2 Location, Title History, Physiography and Access

2.2.1 Location

The land tenure is on NT Portion 1631, Perpetual Pastoral Lease 1134 “Mary River East” Station.

Approximately 200 metres to the south of the title is NT Portion 4359, held by the Barnjarn Aboriginal Corporation.

There are no known registered sacred sites in the EL area (AAPA).

The EL is located on the registered Native Title Claim, 'Mary River', application DC2000/018, NTD6018/2000.

See accompanying Topographical Map (WOO044)

2.2.2 Title History

Gregory Lance Wood and Sandra Maureen Wood applied for EL29032 “Wandie” (Former Exploration Licence on which ML31705 is now located) on the 26th September 2011. The title, covering an area of 27.01 kilometres (12 graticular sub blocks) was granted on the 6th of July 2012 for a period of six years.

In December 2016 50% of the title was relinquished with six sub blocks retained.

The title was renewed on the 20th June 2018, for two years.

In the 6th June 2018, ML31705 was granted on the eastern boundary of the EL.

A full waiver of reduction was lodged on the 29th June 2018.

In 2018 a WA based company, Northern Tailings Group Pty Ltd carried out an extensive soil sampling program including tailings. The assay results were encouraging.

Twelve samples were taken from three locations on mullock heaps (tailings) to the west of ML29909.

In March 2019 Greg and Sandra Wood sold EL29032 to Northern Tailings Group Pty Ltd.

2.2.3 Physiography

The area of the ML is moderately undulating to the south (between approx. 180 m and 173 m ASL) with a drainage channel that travels from the north, northwest through to the south west of the title then in to Wandie Creek.

The south of the title is sedimentary and inundated with water after the wet season.

The water table in the outer Darwin area typically rises to within 2m of the ground surface during the wet season and drops to between 8-10m below the surface during the dry season.

2.2.4 Access

Access to the title is north east from Pine Creek via the Kakadu Highway for 49.5 km to the Wandie Mine Road turnoff then south on the Wandie Mine Road for 22 km to ML31705.

See accompanying Google Earth Access Map

2.3 Geological Setting, Exploration/ Mining History and Exploration Rationale

2.3.1 Geological Setting

This ML covers ground highly prospective for alluvial gold mineralisation. It is situated in the Pine Creek Orogen 10km south west of the Moline Gold field and is part of the Wandie Alluvial Gold zone. The eastern parts of the application cover gold prospective rocks of the Burrell Creek formation and the western parts primarily cover granites however some blocks cover gold prospective rocks of the South Alligator Group.

2.3.2 Exploration

Exploration on the title will be in the form of metal detecting and panning for alluvial gold.

2.3.3 Mining History

There are two historical workings in the vicinity of the title. See Tables 2 and 3 below.

Table 2. Historical Mining 'Unnamed'

Site_Id	713
Common_Name	Unnamed
Mapsheet_250K	MOUNT EVELYN
Accuracy	100
Field_Id	
Field_Date	
Ref_Description	
Location_Description	
Aerial_Photo_Code	
Aerial_Photo_Run	
Aerial_Photo_Number	
Status	Mineral occurrence
Size	Occurrence only
Orebody_Shape	Sheet
Grain_Size	Microscopic
Mineral_Field	Cullen Mineral Field
GeologicalRegion	Pine Creek Orogen
Sub_Unit	
Model	vein
Overall_Style1	multi-vein
Overall_Style2	
Ore_Controls1	shear
Ore_Controls2	
Mining_Method	Surface
Mine_Workings_Description	Two small pits.
Opencut_Length	7
Opencut_Width	2
Opencut_Depth	2
Strike	325
Dip	80
Dip_Direction	55
Plunge	

Plunge_Direction	
Length	80
Width	0.5
Depth	4
Cox_Classification	Low-sulphide Au-quartz veins
Host_Relationship	discordant
Weather_Effect	Oxidation
Weathering_Depth	30
Name_Of_Age	PALAEOPROTEROZOIC
Radiometric_Age	
Production_Comments	
Resource_Comments	
Comments	Located during 1992 field season.
comm_major	Gold
comm_minor	
ore_mineral_major_primary	Gold
ore_mineral_major_secondary	
ore_mineral_minor_primary	Pyrite
ore_mineral_minor_secondary	
gangue_mineral_major	Quartz
gangue_mineral_minor	
major_hostrock_lithology	greywacke
minor_hostrock_lithology	
lithology_group_formation	(Burrell Creek Formation)
exploration_methods	Costeaning,Drilling,Geochemistry
comb_ore_textures	Disseminated
metamorphism_type_facies	Regional(Greenschist)
metamorphism_type_age	Regional(1870)
alteration_type_location	
alteration_type_age_rel_to_min	
structure	Bedding(040,60,310,PRE),Fault(055,80,325,PRE)
other_report_references	
company_report_references	
resource	Gold(,,)
reserve	Gold(,,)
production	Gold(,,)
Mineral_Categories	Precious Metals

Table 3. Historical Mining ‘Rock Scorpion’

Site_Id	1790
Common_Name	Rock Scorpion
Mapsheet_250K	MOUNT EVELYN
Accuracy	100
Field_Id	
Field_Date	
Ref_Description	
Location_Description	
Aerial_Photo_Code	
Aerial_Photo_Run	
Aerial_Photo_Number	

Status	Mineral occurrence
Size	Occurrence only
Orebody_Shape	Irregular
Grain_Size	
Mineral_Field	Cullen Mineral Field
GeologicalRegion	Pine Creek Orogen
Sub_Unit	
Model	modern placer (fluvial)
Overall_Style1	disseminated
Overall_Style2	
Ore_Controls1	Host rock
Ore_Controls2	Mining
Mining_Method	
Mine_Workings_Description	
Opencut_Length	200
Opencut_Width	50
Opencut_Depth	
Strike	
Dip	
Dip_Direction	
Plunge	
Plunge_Direction	
Length	
Width	
Depth	
Cox_Classification	Placer Au-PGE
Host_Relationship	Placer
Weather_Effect	
Weathering_Depth	30
Name_Of_Age	CAINOZOIC
Radiometric_Age	
Production_Comments	
Resource_Comments	
Comments	Location approximate only
comm_major	Gold
comm_minor	
ore_mineral_major_primary	Gold
ore_mineral_major_secondary	
ore_mineral_minor_primary	
ore_mineral_minor_secondary	
gangue_mineral_major	
gangue_mineral_minor	
major_hostrock_lithology	gravel
minor_hostrock_lithology	
lithology_group_formation	(Czs)
exploration_methods	Costeaning
comb_ore_textures	
metamorphism_type_facies	
metamorphism_type_age	
alteration_type_location	
alteration_type_age_rel_to_min	

structure	
other_report_references	
company_report_references	Bagas 1983 (GS82/09)[365]
resource	Gold(,,)
reserve	Gold(,,)
production	Gold(,,)
Mineral_Categories	Precious Metals

2.3.4 Exploration Rationale

This area forms part of the Cullen Mineral Field of which a group of historical mines existed known as the ‘Wandie group of mines’ and historical Chinese alluvial workings have been recorded in the area.

Fossicking will be for alluvial gold which has been extensively mined in the vicinity of the tenement.

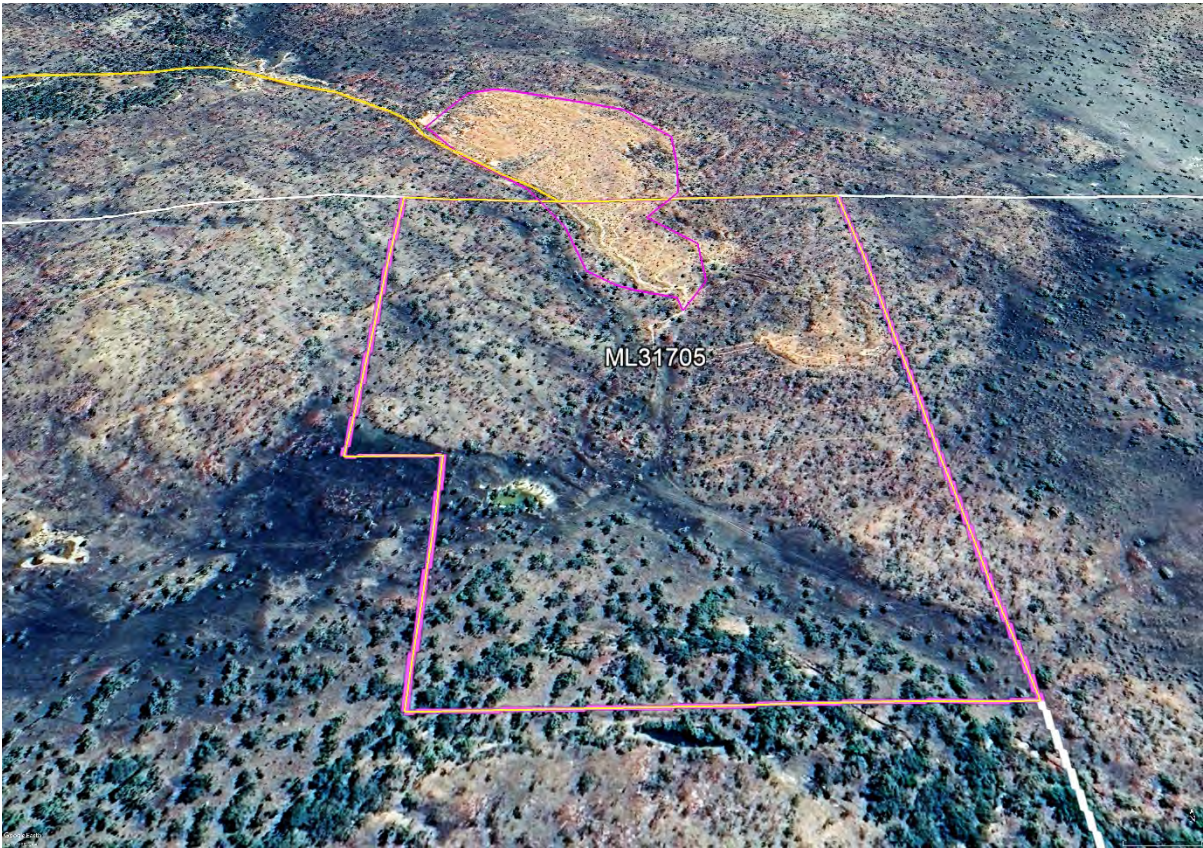
In 1998 conformable pyritic quartz veins were exposed during strip mining to the north west of the title with an assayed chip sample returning 15.7g/t Au.

Drainage runs from the strip-mining site at the north ‘downstream’ through the centre to the south of ML31705 where fluvial gravel is deposited.

The title has good alluvial gold potential which is suited to metal detecting and panning.

See Figure 4 below: Google Earth - Drainage Through Strip Mining Area

Table 4. Google Earth - Drainage Through Strip Mining Area



2.4 Exploration Index Map

The title is on the Mount Evelyn SD5305 map sheet.

2.5 Geological Activities and Office Studies

2.5.1 Geological Activities

This tenement application is being made as a result of previous exploration which has shown alluvial gold potential which is particularly good for metal detecting with hand tools only.

Trap sites along creeks will be targeted where fluid flow has slowed, such as the outside of creek bends, channel widenings and decreases in gradient at the base of hills.

The applicant has acquired this title for fossicking only and potential tourism (on small scale only).

No activity was carried out in the first year of tenure.

2.5.2 Office Studies

No activity was carried out in the first year of tenure.

2.6 Remote Sensing

The ML is a 'commercial fossicking activity'. Remote sensing does not apply to the title.

2.7 Regional Geology

References

Ahmad, M., Wygralak, A., Ferenczi, P.F. and Bajwah, Z.U. 1993. Pine Creek, Northern Territory - 1:250 000 Metallogenic Map Series. Northern Territory Geological Survey Explanatory Notes SD52-8.

Lesley Wyborn, Elizabeth Jagodzinski, Irina Bastrakova and Anthony Budd. "PINE CREEK INLIER SYNTHESIS"

The Cullen Supersuite at 1825 Ma is a felsic fractionated I-(granodioritic) type suite which has proven Au, Sn and W potential and has some minor Cu and base metal occurrences.

Regional

The Cullen Supersuite (Timing 1825 Ma) was intruded into the central part of the Pine Creek Inlier. It is believed to be synchronous with the major extensional event that led to the deposition of the lower Katherine River Group, including the Kombolgie Formation (Jagodzinski and Wyborn 1995). The Cullen Supersuite is predominantly felsic, with minor coeval doleritic magmas (Stuart-Smith et al. 1993). There are no clear comagmatic volcanic equivalents to this suite, although felsic volcanics of the Edith River Group of the adjacent Jim Jim Suite are clearly coeval. The Supersuite intrudes a wide range of rock types, and is associated with a wide variety of Au ± base metal deposits.

The Cullen Supersuite is an I-(granodiorite) type suite that has undergone significant fractionation. It shows clear evidence of late-stage release of magmatic fluids and there is abundant pegmatite, aplite and greisen. The granite has also significantly thermally metamorphosed the surrounding country rock. The source of the metals, particularly Au, remains enigmatic, with several authors arguing that the Au is leached from the country

rock as a result of hydrothermal solutions emanating from the granite, whilst others argue that the metals are sourced from within the granite. It is quite clear that the fluids emanating from some plutons of the Cullen Supersuite are clearly associated with mineralisation; whether the granite is the source of Au or not may not necessarily be all that relevant.

Potential: The Cullen Mineral Field has been a major centre of metal production, mainly for Au, Ag, Pb, Cu, Sn, W and Fe. The dominant geological unit in this field is the Cullen Suite, and a magmatic source, particularly fractionated leucogranites, is indicated for some of the metals. Chemical analyses of the granite show that U, Sn and W deposits fractionated leucogranites, whilst precipitation of Au, Cu, Ag, Pb and Zn is controlled by the presence of specific host rocks. The preferred host rocks for this mineralisation appear to be carbonaceous sediments, banded iron formation and turbidite. Structural control is clearly critical at the majority of the deposits.

Cu: Moderate

Au: High

Pb/Zn: Low

Sn: High

Mo/W: Moderate

Historically the Pine Creek Orogen has been the most prospective region of the Northern Territory for Gold. Regional and contact metamorphism granite type, structure and host lithology is used to indicate prospectivity of the region.

ML 31705 is situated within the Pine Creek Geosyncline, a tight to isoclinally folded sequence of mainly pelitic and Lower Proterozoic with interlayered tuff units. All rocks in the area have been metamorphosed to low, and in places medium grade, metamorphic assemblages.

Sediments of the Early Proterozoic Burrell Creek Formation outcrop in the area. These consist of interbedded mudstone and chert grading into massive albitic chert beds and BIF. Overlying the formation are siltstone, mudstone, pebble conglomerate and greywacke beds of the Burrell Creek Formation.

Burrell Creek Formation / Early Proterozoic / Finnis River Group / Brown to grey-green, thickly bedded to massive, fine to coarse feldspathic metagreywacke with graded bedding in

places and minor lenses of volcanolithic pebble conglomerate; brown to grey, laminated phyllite, slate and mudstone; minor quartz-mica schist porphyroblastic quartz-mica hornfels near granite. Moderately magnetic when contact metamorphosed.

The dominant minerals are typical of an I-type granite and including quartz, plagioclase, K-feldspar, biotite and hornblende. Plagioclase is universally altered, and some plutons contain sulphides reflecting the relatively reduced nature of this suite.

The major Pine Creek Shear Zone trends north-northwest through the middle of the Cullen Supersuite. Many plutons are affected by it. (This is to the south west of the EL). This shear zone is believed to have operated during the emplacement of the granite, and there is a strong foliation developed in plutons near this shear zone with quartz veining being locally prominent.

Burnside Granite - quartz, plagioclase, biotite with traces of muscovite, allanite, fluorite and apatite.

See accompanying Geology Map (WOO042)

2.8 Geophysical Activities

No activities were carried out in the first year of tenure.

2.9 Surface Geochemistry

No activities were carried out in the first year of tenure

2.10 Drilling

The ML has been granted as a 'commercial fossicking activity'. Drilling will not take place on the title.

2.11 Geotechnical Studies

Geotechnical Studies will not be required on the title.

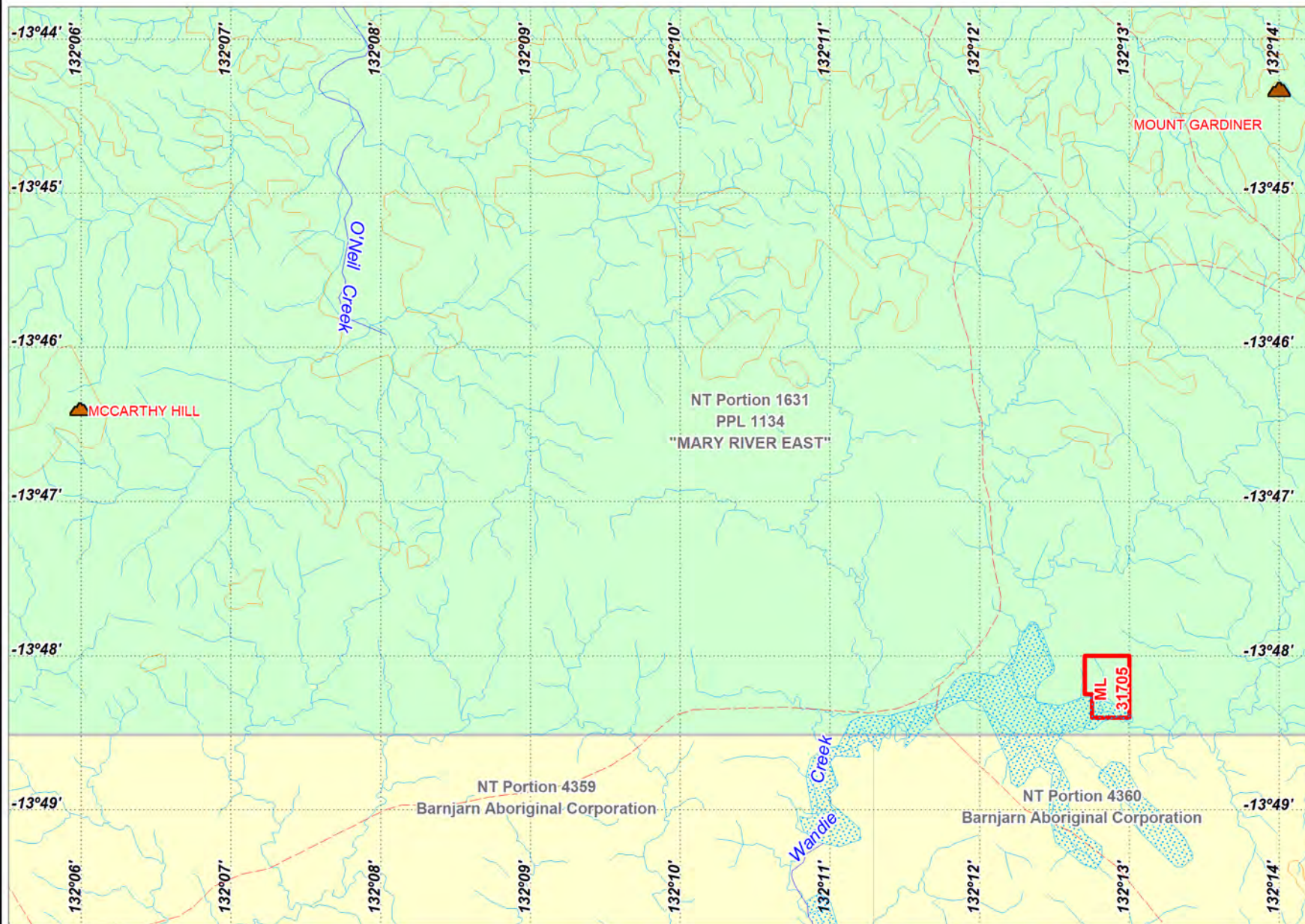
2.12 Resources and Reserves Estimation

Resources and reserves are unknown

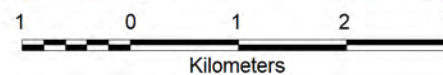
SECTION 3: CONCLUSION AND RECOMMENDATIONS

ML31705 has been granted to Greg and Sandra Wood as an ML under the Mineral Titles Act 2015 to conduct commercial fossicking activities.

It is envisaged that the next annual report ending 5th of June 2020 will include details of fossicking by clients of Greg and Sandra's in keeping in consonance with the spirit and purpose of the ML.



- 
-  Mineral Lease
 -  Perpetual Pastoral Lease
 -  NT Freehold Land
 -  Drainage
 -  Track or Road

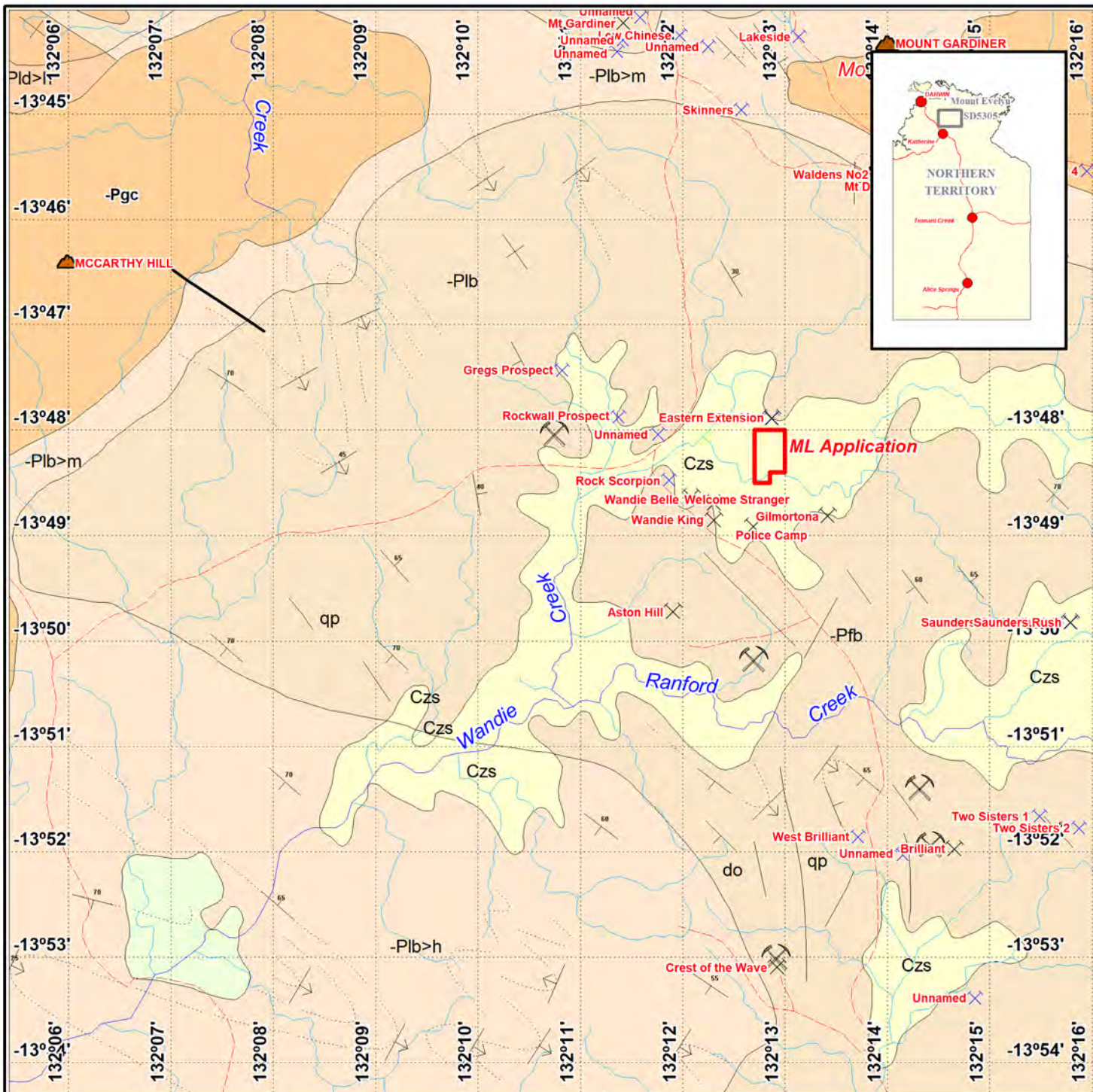


Scale: 1:70,000

SANDRA & GREG WOOD

ML31705 "WANDIE 2"
Location

Drawn: CAPRICORN	Proj: GDA94	Ref: SD5305
Scale: 1:70,000	Date: JULY 2019	Plan No: W00044



- ML Boundary
 Mountain or Hill
 Mineral Occurrence
 Road / Track
 Highway
 Drainage

- Czs Quaternary / Sedimentary / Alluvium, soil cover
 -Plb Burrell Creek Formation / Early Proterozoic / Finnis River Group / Greywacke, siltstone, greywacke-siltstone
 -Plb>m Burrell Creek Formation / Early Proterozoic / Finnis River Group / Greywacke, siltstone, greywacke-siltstone; contact metamorphic
 -Pld Golden Dyke Formation / Early Proterozoic / Goodparla Group / Chert, quartz siltstone, dolomite minor carbonaceous pyritic siltstone with chert lenses, bands and nodules
 -Pgc Cullen Granite/ Early Proterozoic / Biotite-hornblende granite

Shear zone - Coronet Fault

Mineral Occurrence

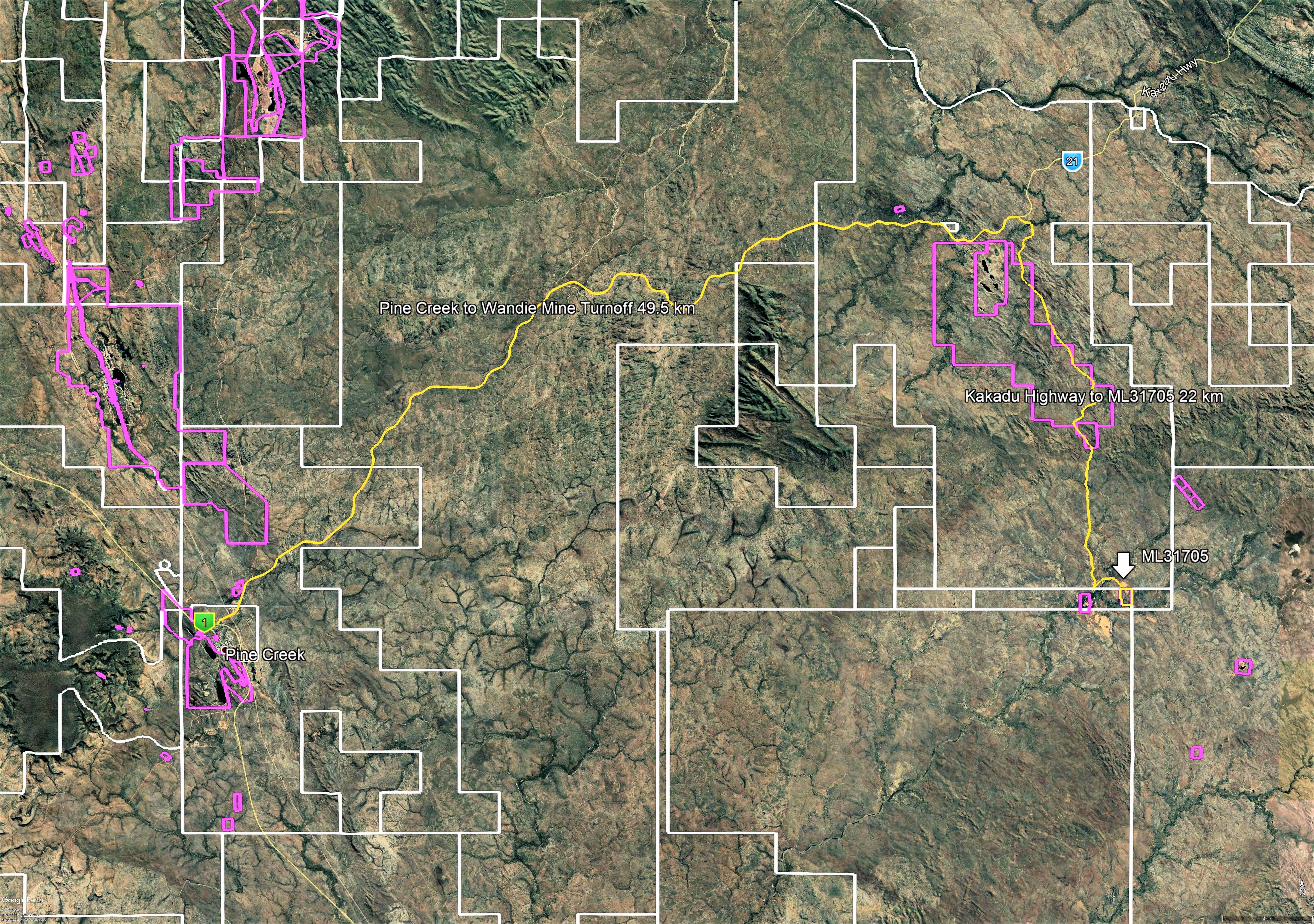
Dip and Strike



GREG & SANDRA WOOD

ML31705 "WANDI 2" GEOLOGY

Drawn: CAPRICORN	Proj: GDA94	Ref: SD5305
Scale: 1:100,000	Date: JULY 2019	Plan No: W00042



Pine Creek to Wandie Mine Turnoff 49.5 km

Kakadu Highway to ML31705 22 km

Pine Creek

ML31705

Kakadu Hwy

STRIKE - Department of Primary Industry and Resources

ML31705 Strike Map with Surrounding Tenement and Mineral Occurrences



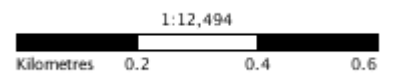
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Topographic data sourced from Geoscience Australia and the Department of Infrastructure, Planning and Logistics

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