Gregory Lance Wood & Sandra Maureen Wood

Compiled by Capricorn Mapping & Mining Title Services

EL 29032

'Wandie'

Annual Report

year ending July 2014

MOUNT EVELYN SD5305
Northern Territory

Submitted by: Gregory Lance Wood

Date: September 2014

Copies to: Gregory & Sandra Wood
Department of Mines and Energy

Report No. WOOD_29032_2

Contents

List of Plans

Plan No.	Title	Scale
WOO036	EL 29032 "WANDIE" Rock & Soil Sample Locations	1:70,000
WOO034	EL 29032 "WANDIE" GEOLOGY	1:120,000
WOO022	EL 29032 "WANDIE" Location Plan	1:150,000

List of Tables

SECTION 1: OUTLINE AND INTRODUCTION

Proponent Details

1.1 Project Name and Location

Exploration Licence (EL) 29032 "Wandie" is located on the southwestern boundary of the 1:250,000 Sheet of Mount Evelyn SD5305 in the Northern Territory. (Plan No. WOO022 EL 29032 'Wandie' Location Plan).

The land title is the Mary River Wildlife Ranch, Perpetual Pastoral Lease 1134.

1.2 Mining Title Details

EL 29032 was first granted on the 6th July 2012 for a period of six years. The EL covers an area of 27.01 kilometres or 12 graticular sub blocks. (Table 1).

TABLE 1 **Exploration Licence 29032**

Item Information 1 of 1

Tenure Type	Exploration Licence
Number	29032
Date Effective	6/07/2012
Status	grant
Area	12 SBKS (27.01 sqkm)
Grant Date	6/07/2012
Expiry Date	5/07/2018
Renewal Application Date	
Renewal Grant Date	

Holders Information

Name	Percent	Type
WOOD Gregory Lance		Contact
WOOD Gregory Lance	50.00%	Current Holder
WOOD Sandra Maureen	50.00%	Current Holder

Transactional History Information

Transaction Type	Effective Date	Expiry Date	Period	Area (km2)
Application	26/09/2011		6	27.01
Native Title	29/09/2011	22/06/2012		
Landholder Notification	30/09/2011			
Advertisements	22/02/2012			
Advertisements	22/02/2012			
Offer Of Grant	03/07/2012	05/08/2012	6	27.01
Grant	06/07/2012	05/07/2018	6	27.01
Reduction Deferral	27/06/2014		3	

1.3 Operator

The operators of the title under the Mining Management Act are Gregory Lance and Sandra Maureen Wood. If operations resulting in substantial disturbance are planned, a Mining Management Plan will be lodged with all the appropriate Operator and Authorisation forms attached.

1.4 Address

Box 194, Pine Creek NT 0847

1.5 Contact Details

Mobile: **0427 723 301**

1.6 Contact Person

Gregory Wood

SECTION 2: CURRENT PROJECT SITE CONDITIONS

Physical Environment

2.1 Land Area Type

The area of the EL is moderately undulating to the south (between approx. 170 m and 200 m ASL) with a rise in elevation on the western boundary to approx. 230 m (McCarthy Hill) and two hills in the northern portion of the title (approx. 195m and 210m ASL).

The Burrell Creek formation intersects the title from the southwest to the northeast.

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

2.2 Hydrology

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. O'Neil creek runs through the north of the EL into Evelyn Creek and Wandie Creek runs from close to the southern boundary where a water body develops following each wet season.

2.3 Flora and Fauna

Flora

The general area has a wide ranging eucalypt woodland dominated by *Eucalyptus tetrodonta* and *Eucalyptus miniata* either singly or in combination. This forms a canopy for the understorey of smaller trees (*Erythrophleum chlorostachys, Terminalia ferdinandiana, T. grandiflora,, Acacia* spp.*and Melaleuca* spp*)*, as well as shrubs, herbs and vines with dense growth of annual and perennial grasses.

(Top End Native Plants – John Brock 1988).

Birds

Birds in the area are all the common birds predominant to the Darwin region. They include several species of finches, honey eaters, kingfishers, parrots, lorikeets and cockatoos.

("Field Guide to the Birds of Australia" – Simpson & Day / "The Atlas of Australian Birds" – M. Blakers, S.J.J.F. Davies, P.N. Reilly 1985)

Mammals

The more common mammals of the general area are the Short-beaked Echidna, Northern Quoll and different species of Planigale, Red-cheeked Dunnart, Northern Brown Bandicoot, Sugar Glider, Common Brushtail Possum, Agile Wallaby and Black Flying-fox.

Rodents in the general area include Black-footed Tree-rat, Common Rock Rat, Delicate Mouse and the Western Chestnut Mouse

Introduced are:

Introduced are the wild pig, feral cat and the cane toad.

(Field Guide to Mammals of Australia- Peter Menkhorst/Frank Knight - Oxford University

Socio-Economic Environment

2.4 Current Land Use

The land use is Perpetual Pastoral Lease 1134 "Mary River" (East) Station.

2.5 Aboriginal Sacred Sites & Native Title

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

There are no Native Title Claims over the EL area.

SECTION 3: 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"

3.1 Regional Geology

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 center 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

3.2 Local Geology

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 holst lithology are used to indicate prospectivity of the region.

EL 29032 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 inerbedded 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 / Finniss River Group / Brown to grey-green, thickly bedded to massive, fine to coarse feldspathic metagreywacke with graded bedding in places and minor lenses of volcanilithic pebble conglomerate; brown to grey, laminated phyllite, slate and mudstone; minor quartz-mica schistporphyroblastic 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 (WOO034)

SECTION 4: PROJECT STATUS

4.1 History of Development and Current Status

4.1 (a) Historical Exploration

There are two historical workings to the south of the title. See Table 2 and Table 3 below.

TABLE 2

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

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

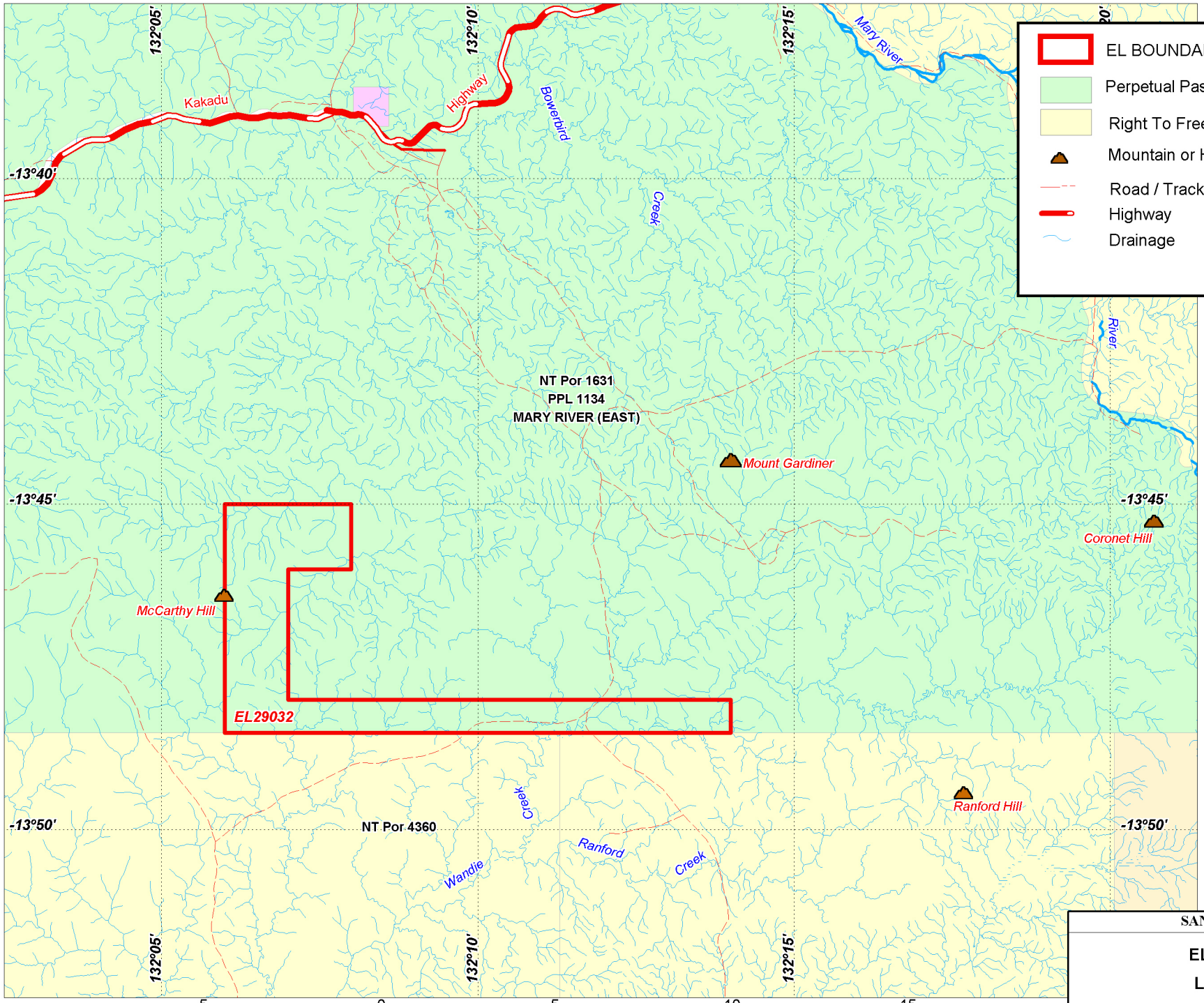
Ore_Controls2	Mining
Mining_Method	
Mine_Workings_Description	
Opencut_Length	200
Opencut_Width	50
Opencut_Depth	
Strike	
Dip	
Dip_Direction	
Plunge	
Plunge_Direction	
Length	
Width	
Depth	
Cox_Classification	Placer Au-PGE
Host_Relationship	Placer
Weather_Effect	
Weathering_Depth	30
Name_Of_Age	CAINOZOIC
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

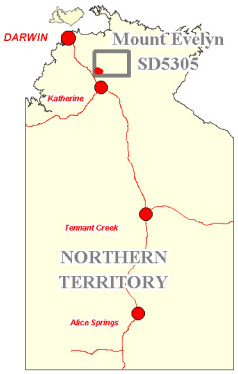
(b) EL 29032 Exploration Completed Year 2

A sampling program was carried out last year of tenure with metal detecting and 16 rock and soil samples. Samples collected were sent to North Australian Laboratories Pty Ltd for analysis. For sample locations and results (See attached Map No. WOO036) "EL 29032 Rock Chip and Soil Sample Locations" and MRT file.

4.2 Proposed Exploration Activities for Year 3

A more comprehensive metal detecting program will be carried out in the third year of exploration with rock and soil samples, metal detecting and possible auger drilling with samples assayed by North Australian Laboratories. A Mine Management Plan will be lodged if auger drilling is required.





SANDRA & GREG WOOD

EL 29032 "WANDIE"

LOCATION PLAN

Drawn: CAPRICORN	Proj: GDA94	Ref: SD5305
Scale: 1:150,000	Date : AUG 2014	Plan No: WOO022

NA 14931	36SAM	C	9COL																
GW130919	200913	Au		Au(R1)		Cu		Pb		Zn		Ag		As		Ni		Co	
DATA STOR	UNITS	ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm	
LLD's in	STORE UNI		0.01		0.01		1		5		2		1		10		2		2
CO																			
CO																			
	74683	L					13		12		9	L			56		4	L	
	74684	L					12		6		4	L			20		2	L	
	74685	L		L			12		24		13	L			24		4	L	
	74686		0.2		0.14		34		598		91		1		686		3	L	
	74687	L					9		110		22	L			174		6	L	
	74688	L					16		48		29	L			51		9		5
	74689	L					29		109		46	L			129		9		7
	74690	L					13		69		35	L			172		15		7
	74691	L					22		59		37	L			89		8		6
	74692	L					21		105		101	L			42		19		8
	74693	L					20		65		42	L			72		10		10
	74694	L		L			15		93		118	L			39		18		6
	74695	L					21		65		55	L			26		15		5
	74698	L					16		99		27	L			116		9		4
	74699	L					18		104		196	L			20		30		26
	74700	L					15		44		26	L			134		18		8
	232001		0.01				17		65		57	L			103		20		7