

RON GREGORY PROSPECTING

EL6/2016

WHYTE RIVER

TASMANIA

ANNUAL REPORT

Period covered 18th May 2018 to 17th MAY 2019

May 2019

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Datum: GDA

Distribution:

- 1. Mineral Resources Tasmania**
- 2. Ron Gregory**

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Appendix 1 – Processing of existing data on the VTEM Anomaly “E”

1 ABSTRACT

EL6/2018 (10 sq km) covers the area occupied by the historic Heazlewood (Pb & Ag), Jasper and New Jasper (Cu & Au), New Castray River (Au), Mt Stewart (Pb & Ag) and Mount Stewart Osmiridium field.

The initial target was the New Castray River Mine and the alluvial workings were located and mapped as was the surface workings of the Heazlewood Silver Lead Mine. The existing data on the EM anomaly located in the north west corner of the licence has been further processed by Phil Muir. The anomaly was followed into adjoining vacant land and an application was lodged for a 7 sq. km. Exploration Licence to be adhered to EL6/2016. A partnership between Ken Morrison, Phil Muir and myself was formed to bring the EM anomaly to drill ready status to present to suitable investors for drilling as soon as possible.

Continued discussions were held with Gauteng Refinery of South Africa regarding Osmiridium exploration, but due to current price of the metal no progress has been made on this venture.

2 INTRODUCTION

Exploration Licence 06/2016

Location: Whyte River, western Tasmania

Reporting period: 18th May 2018 – 17th May 2019

Tenement holder: Ron Gregory

Exploration rationale:

- Locate and assess the Castray and New Castray Gold Mine.
- Locate and assess the Heazlewood and South Heazlewood Mines.
- Locate and assess the Loughnan Creek Osmiridium workings.
- Promote the Geophysical Anomaly located west of the Lord Brassey Mine to other parties with resources to drill a hole into the anomaly.

4. EXPLORATION COMPLETED 2017 – 18

4.1 Regional exploration – Nil

4.2 Prospect based exploration

Research into historic newspaper reports for information regarding the Castray, New Castray Gold Mines and the Princess Gold and Osmiridium Mining Company.

Discussions were held with Gauteng Refinery of South Africa regarding possible Osmiridium production.

Initial review into the VTEM Anomaly (called “E” by Aus Tin) located in the north west corner of the licence.

5. EXPLORATION COMPLETED 2018 – 19

5.1 Regional exploration – Nil

5.2 Prospect based exploration

5.2.1 VTEM Anomaly “E”

Phil Muir continued processing existing data on the VTEM Anomaly “E” located in the north west corner of the licence. The processing followed the anomaly into adjoining vacant land and a partnership was formed between Ken Morrison, Phil Muir and me to bring the anomaly to drill ready status with which to entice a suitable company to drill as soon as possible. Subsequently a 7sq. km. Exploration Licence was applied for to adhere to EL6/2016.

As the above anomaly is the most prospective so far located on EL6/2016 it was felt prudent to not continue exploration on the majority of the licence and surrender all but 1sq. km at the anniversary date.

Full details of the processing of VTEM data is at **Appendix 1**.

5.2.2 Castray and New Castray alluvial gold workings

The alluvial workings were located and mapped. See **Figure 4**.

After much scrub bashing the main tailrace was located heading from south heading north to discharge into the Whyte River. There are forking piles along the tailrace. At least 6 Ha, possibly 10Ha or more of ground has been sluiced to bedrock. On the western side of the track (from Savage River Rd) immediately after crossing the Whyte River there is a face of cobbly alluvial terrace 1 – 1.5m thick. I presume the surface of the terrace is the original ground level. As the track heads south to the Castray River it goes through the sluiced area thus obliterating the workings. It was difficult to survey the area south west of the track due to thick scrub.

A narrow trench was located on the south bank of a bend in the Whyte River which I assume was to either divert the flow of the river at low water or a final tailrace for the sluicing of surrounding gravels. Although covered in rainforest the whole area is bedrock and all gravel has been removed.

Where Leven Creek enters the Whyte River there is a large hole separate from the river, filled with water. If the abovementioned trench was fed by water from a dam on the Whyte River at low water it may have allowed for the excavation of this water hole, similar to “Wing Damming”

Fine gold as well as cassiterite and what I presume are Luina Mine tailings can be panned in the orange/brown coloured water of the Whyte River at the track crossing.

Fine gold can also be panned in the Leven Creek above its confluence with the Whyte River. I have never been able to find any reference to the Leven Ck Goldfield other than a notation “Leven Creek gold workings” on A. McIntosh Reid’s Map in GSB32 (101E) and a report in the Launceston Examiner 13th August 1896, “In Leven Creek two well known diggers, Henry Ritchie and Frank Orburn are sluicing for gold”. Perhaps the following reference in the Wellington times and Agricultural and Mining Gazette on the 22nd December 1892, “An important gold discovery has been made by Mr Tom Farrell and A. Traill, about halfway between the Heazlewood and Castray mines. They unearthed splendid slugs of gold, which have the appearance of being in very close proximity to the matrix.” relates to Leven Creek.

An attempt was made to locate the hardrock New Castray Mine workings and crusher site but had to be abandoned until another time due to the thick scrub.

A decision was made to relinquish this portion of the licence to concentrate on the VTEM Anomaly.

5.2.3 Heazlewood Silver Lead Mine

The surface stoping of the reef was located by handheld GPS, see **Figure 5**. The stoping is about 2m deep with surprisingly minimal mullock on either side of the excavation, so it is assumed it has been extracted via underground workings. The No. 3 Tunnel adit mouth is also shown. The finger dump has galena specimens.

5.2.4 VTEM Anomaly "E"

Phil Muir's data is presented in Appendix 1.

Previous exploration was studied in detail, by Phil, Ken and myself.

Ken Morrison and myself conducted a reconnaissance of the track to the Lord Brassey Mine, which crosses the anomaly. A suitable drill-site for a vertical diamond drill hole was located, but it is on the Fossicking Reserve. An alternative site exists on the track for an angled hole. See **Figure 6**.

Since the washing away of the log bridge, the Lord Brassey track crossing of the Roaring Meg Creek is steep sided, rocky and only useable by 4WD with winch or quad bike.

5.2.5 Mt Stewart Osmiridium

With the price of Iridium metal reaching over \$US1400 during the year Gauteng Refinery of South Africa were interested in possible production of Osmiridium from Tasmania, even though the price of Osmium metal still languishes at \$US400. Two samples of Osmiridium and a copy of Nic Haygarth's recent book "On the Ossie" were forwarded. One by post and the other by courier. Both went astray. The couriered book arrived but with no Osmiridium sample. The posted book and sample recently returned as "unclaimed". Arrangements are in hand to re-send the Osmiridium sample by means of an alternative courier.

It was difficult in discussions with Gauteng to get an idea of what they would pay. The best understanding is that they pay 25% of the metal price, so a price in the region of \$US500 has been assumed.

Although I regard this as uneconomic, I did a reconnaissance of the Heazlewood to Mt Stewart track to ascertain the difficulties involved. The logistics required are beyond my resources.

6. CONCLUSIONS AND RECOMMENDATIONS

No conclusions can be drawn at this time.

7. FUTURE EXPLORATION

- 7.1** On approval to proceed with exploration on new licence area, immediately proceed to locate a suitable drilling partner.
- 7.2** Phil Muir to run 3D modelling of the VTEM anomaly.
- 7.3** Research and locate the Heazlewood Extended and Heazlewood North mines.
- 7.4** Assess the potential for alluvial Gold, Osmiridium and Sapphire along the Heazlewood River.
- 7.5** Continue discussion with Gauteng Refinery to see where it goes.

8. ENVIRONMENT

There were no ground disturbance activities during 2018 – 19.

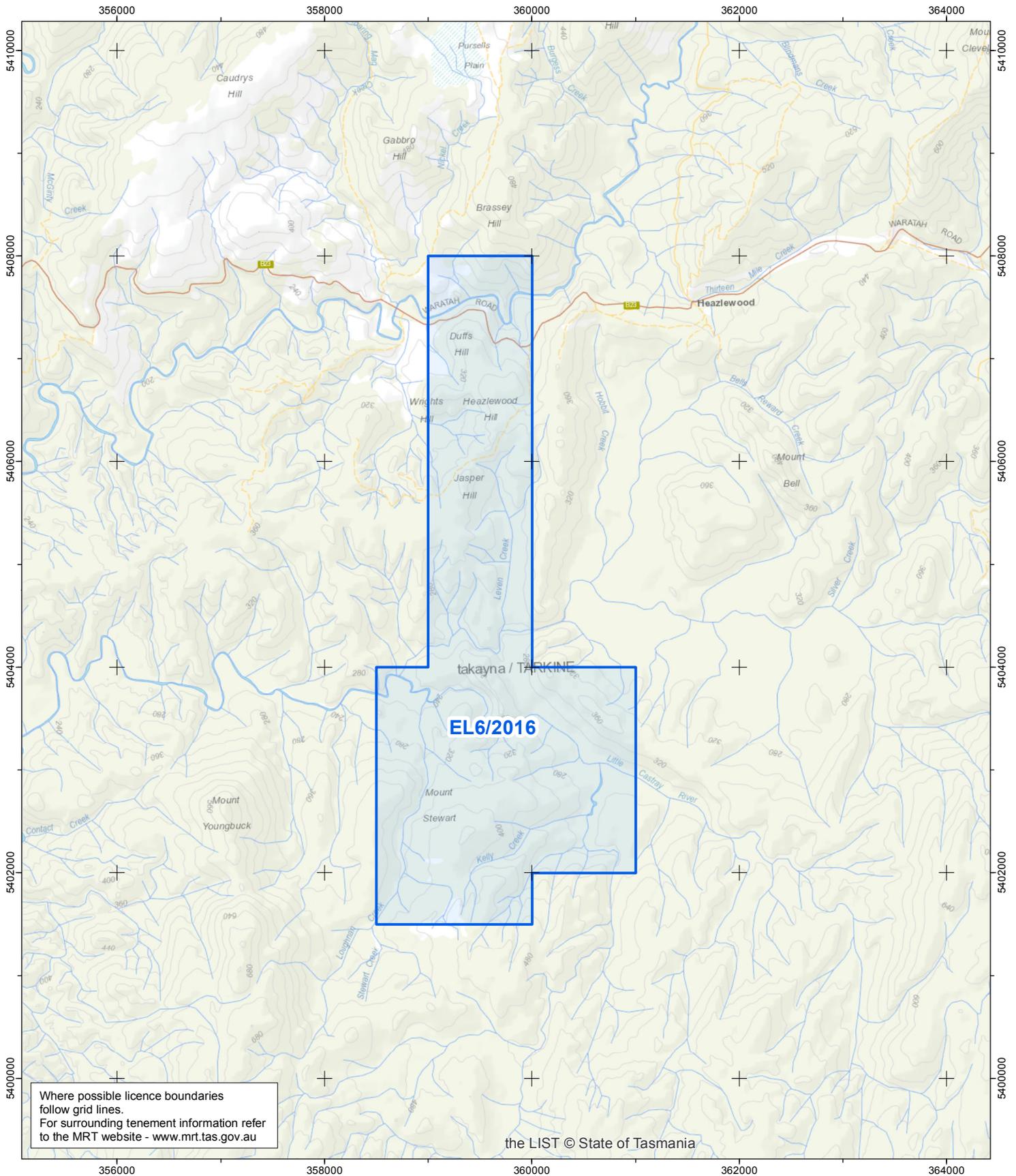
9. EXPENDITURE 2017 – 18

Geology (Ron Gregory & assistant & Ken Morrison own time.	\$13,375.
Geophysics (Phil Muir own time)	\$9,950.
Gauteng Refinery liaison and recce	\$3,020.
Annual rental	\$261.
Administration (EL Application fee)	<u>\$1,359.</u>
TOTAL	\$27,965

REFERENCES

There are no references.

APPENDIX 1



EL6/2016 10km²
Vicinity of Whyte River
(1.5km N of Mt Stewart)

0 1 2 KM

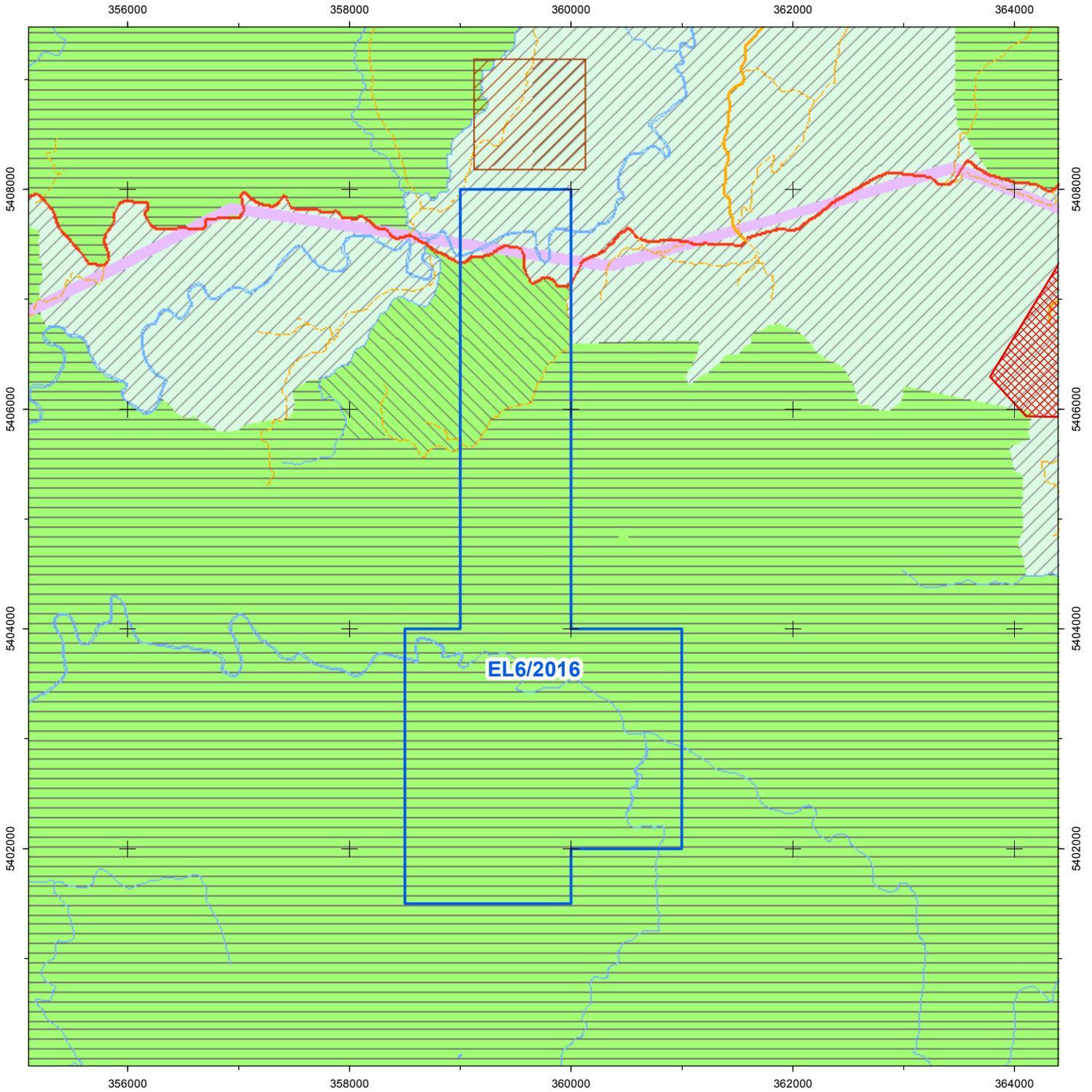
1:50,000

Coordinate Datum - GDA94 MGA Zone 55

FIGURE
1



Base image by TASMAPP
(www.tasmap.tas.gov.au)
© State of Tasmania



EL6/2016 - 10km²
Vicinity of Whyte River (1.5km N of Mt Stewart)

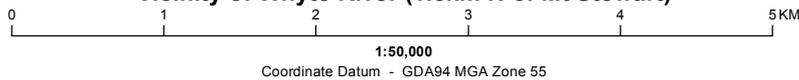


FIGURE 2

Land Tenure / Special Management Areas (Guide Only)

- | | | | |
|---------------------------------|---|------------------------|--|
| Unavailable Areas | Future Potential Production Forest (HEC) | Game Reserve | Future Potential Production Forest (Crown) |
| Mining Lease | Informal Reserve (Forestry Operations) - Private Land | Historic Site | Informal Reserve - FT Managed Land |
| RAMSAR Site | Private Land | National Park | Permanent Timber Production Zone Land |
| Gas Pipeline Corridor | Aboriginal Administered Land | Nature Recreation Area | Authority Land |
| Fossicking Area | Wellington Park | Nature Reserve | Crown Land |
| Fossil Site | Conservation Area | Regional Reserve | Private Reserves |
| Commonwealth Land | Conservation Area | State Reserve | Available under the MRDA but not available under administrative arrangements |
| Aurora / Hydro / Transend Lands | | Public Reserve | Available under the MRDA |

Note: Land tenure is derived from the LIST and other sources and may be incomplete. Not all land tenure depicted in legend may appear on the map.
Relevant tenement land tenure / land management area indicated *



VTEM ANOMALY 'E'
PROCESS DATA

PELLETT WOODS FINE
MAP SURFACE
WORKINGS

EL6/2016

NEW CASTRAY
GOLD MINE
MAP ALLUVIAL
WORKINGS

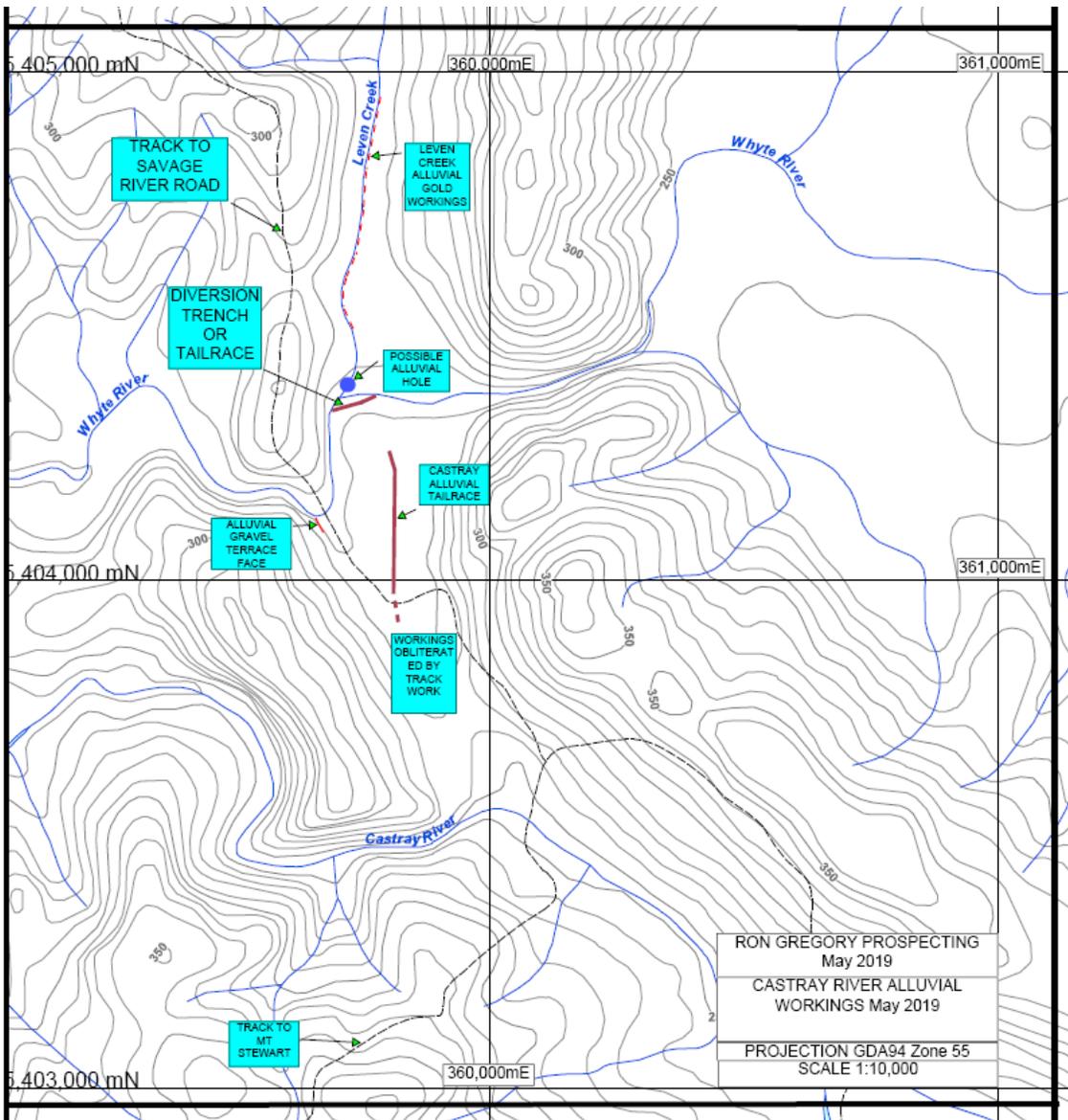
RECEDE MT STEWART TRACKS

EL7/2005

Ron Gregory Prospecting

EL 6/2006 - WHYTE RIVER
SUMMARY ACTIVITY PLAN
2019

Compiled: Ron Gregory	Drawn: Duffin/Work	Date: 2018	Revised:	Projection: UTM Zone 55
Scale: 1:5000	0 50 100 200m	Drawing No.:	Figure No.:	



359,000mE

360,000mE

5,407,000mN

TO SAVAGE RIVER ROAD

MAIN SHAFT

ADIT MOUTH
TUNNEL 3?

FINGER DUMP

TRACK TO MT STEWART

5,406,000mN

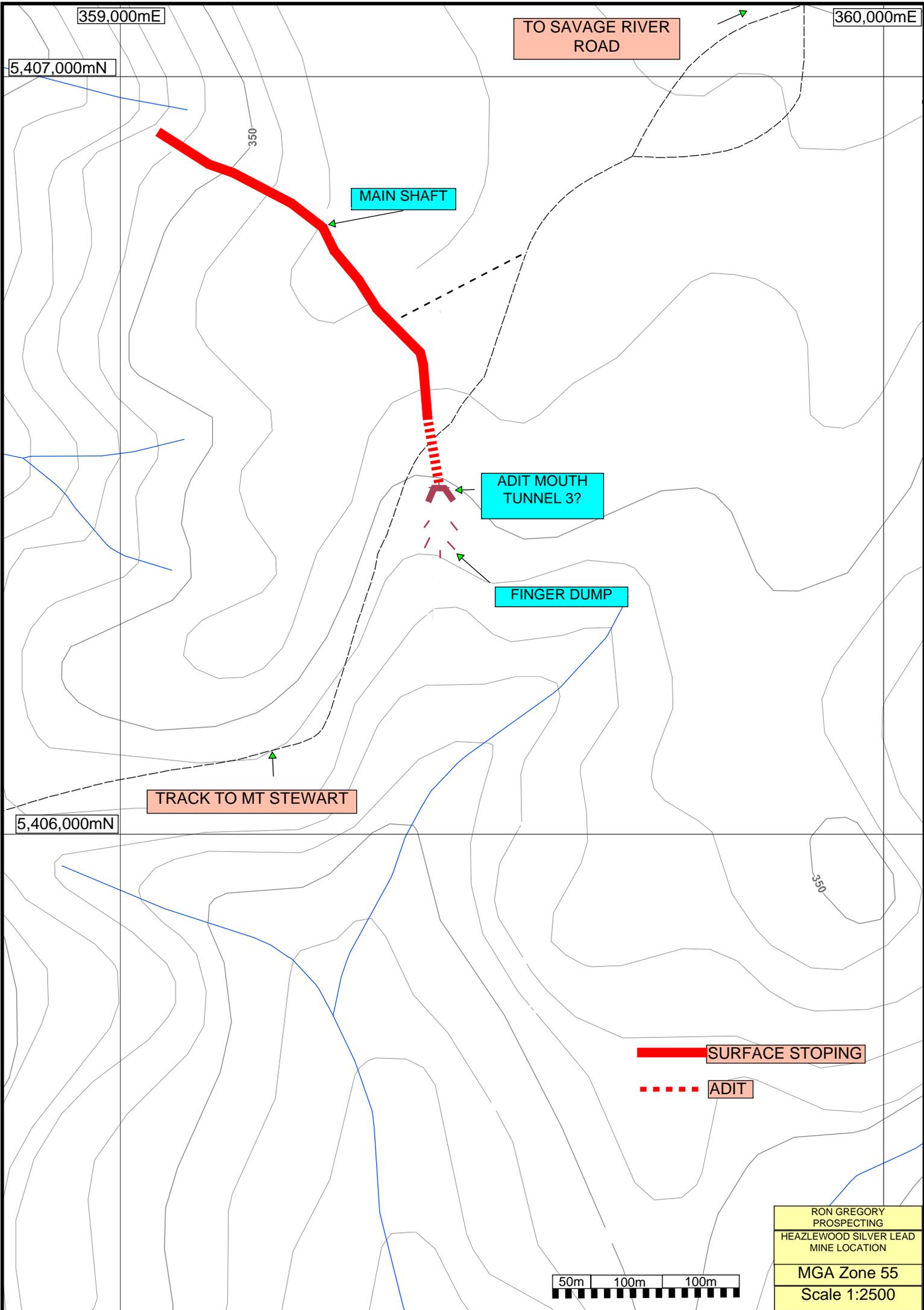
 SURFACE STOPPING

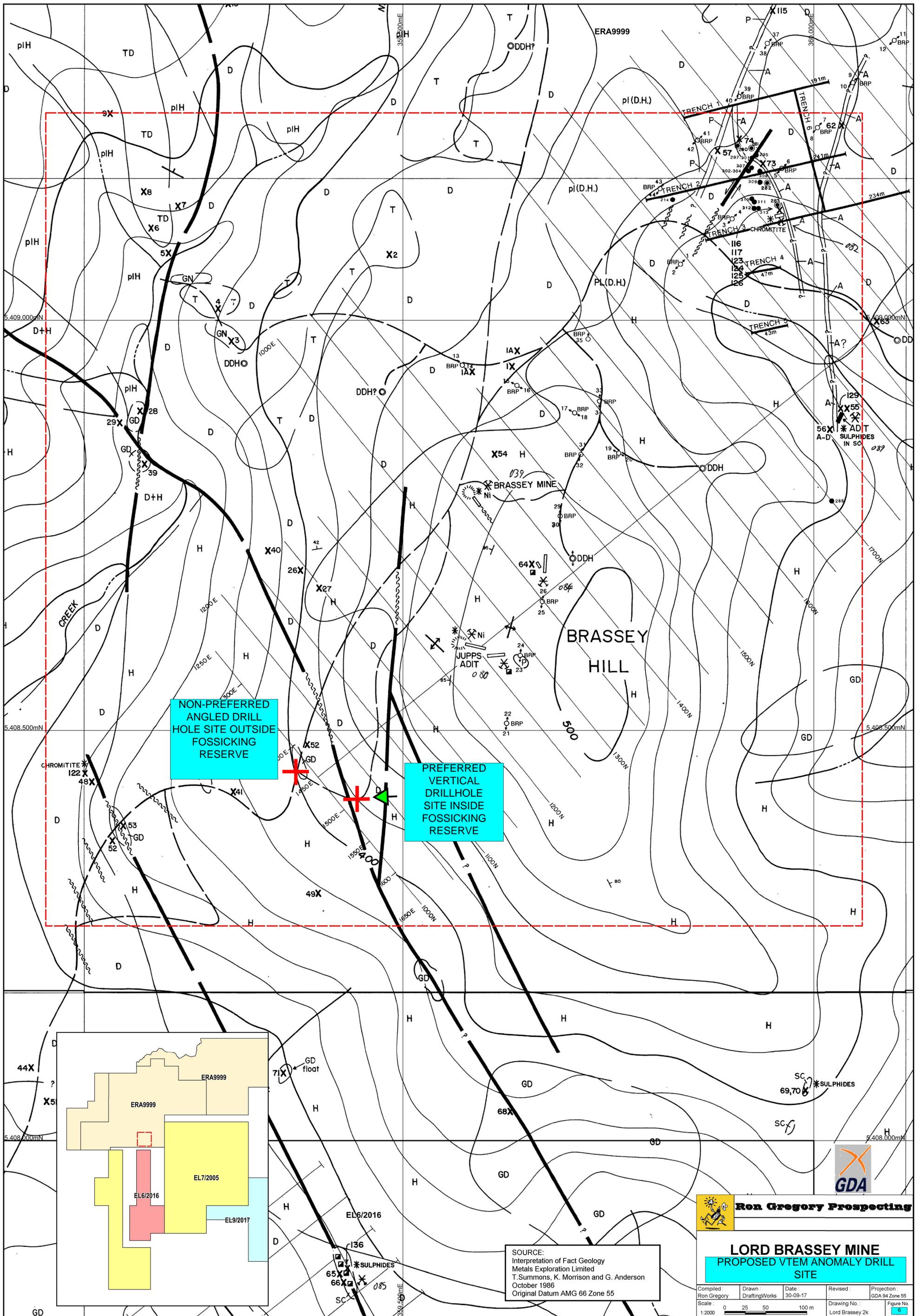
 ADIT

RON GREGORY
PROSPECTING
HEAZLEWOOD SILVER LEAD
MINE LOCATION

MGA Zone 55

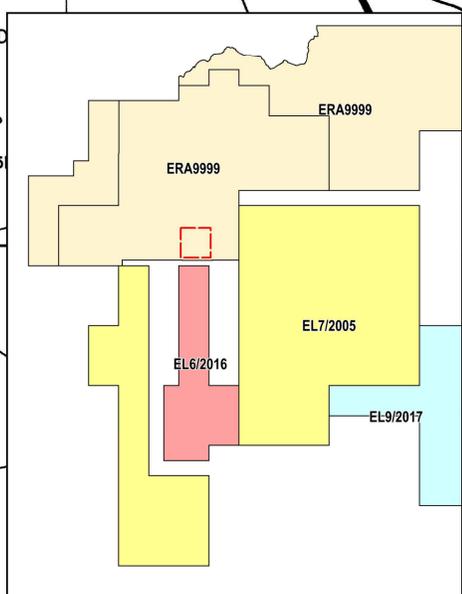
Scale 1:2500





NON-PREFERRED
ANGLED DRILL
HOLE SITE OUTSIDE
FOSSICKING
RESERVE

PREFERRED
VERTICAL
DRILLHOLE
SITE INSIDE
FOSSICKING
RESERVE



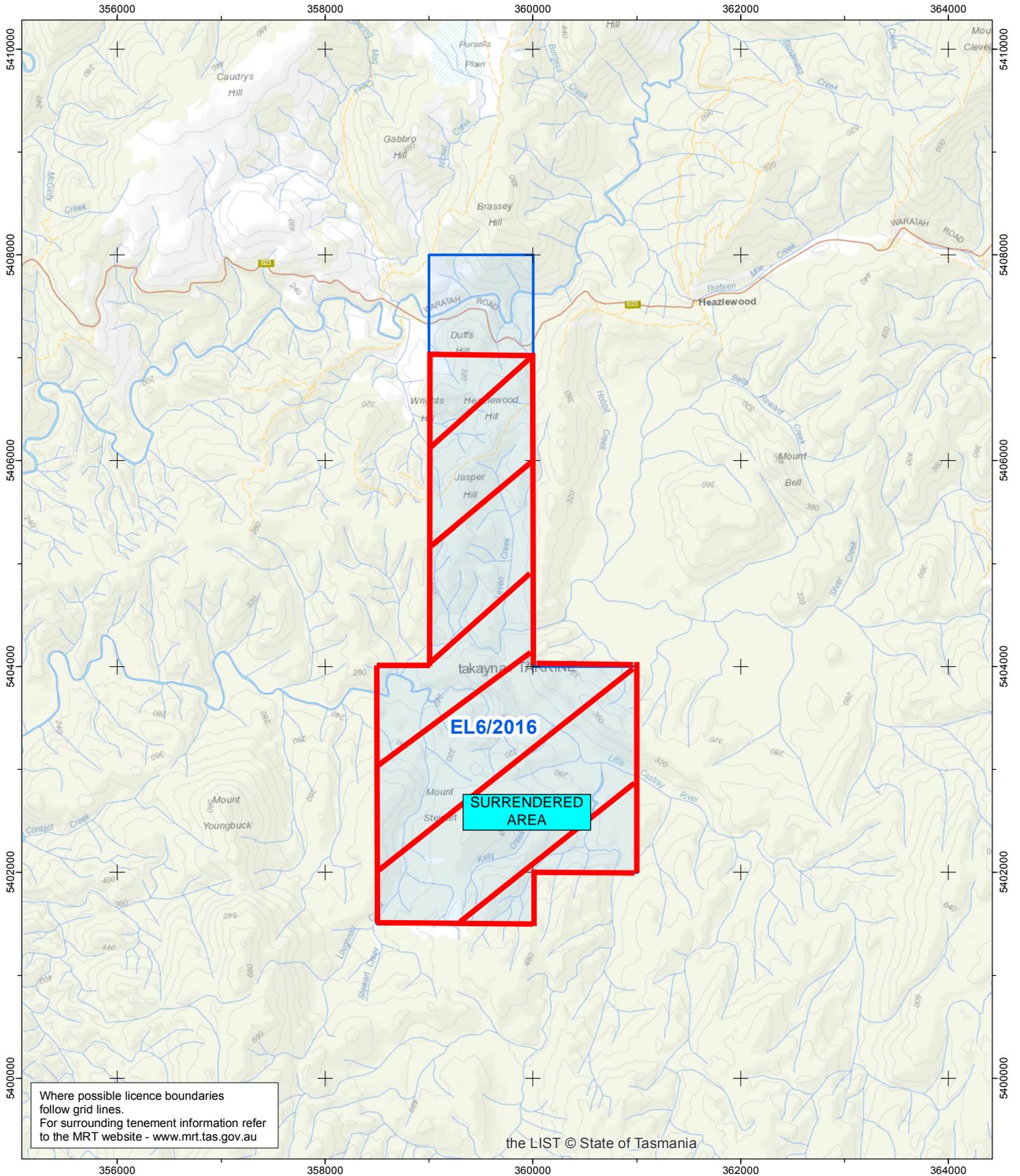
SOURCE:
Interpretation of Fact Geology
Metals Exploration Limited
T. Summons, K. Morrison and G. Anderson
October 1986
Original Datum AMG 66 Zone 55



Ron Gregory Prospecting

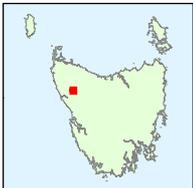
**LORD BRASSEY MINE
PROPOSED VTEM ANOMALY DRILL
SITE**

Compiled: Ron Gregory	Drawn: DraftingWorks	Date: 30-09-17	Revised:	Projection: GDA 94 Zone 55
Scale: 1:2000	0 25 50 100 m		Drawing No.:	Figure No.:
			Lord Brassey 2k	6



Where possible licence boundaries follow grid lines.
For surrounding tenement information refer to the MRT website - www.mrt.tas.gov.au

the LIST © State of Tasmania



EL6/2016 10km²
Vicinity of Whyte River
(1.5km N of Mt Stewart)

0 1 2 KM

1:50,000

Coordinate Datum - GDA94 MGA Zone 55

SURRENDERED AREA 2019
FIGURE 7



Base image by TASMAPP
(www.tasmap.tas.gov.au)
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