

EL36/2010 Mt Donaldson Annual and Final Report 2014

November 2014 – November 2015

Ron Gregory Prospecting
P.O. Box 41
Fingal

Author
Ron Gregory

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Abstract

The initial aim of exploration on EL36/2010 was to locate the Mt Donaldson Hydraulic workings and see if the gold in the tertiary gravels could have been derived locally. Old reports indicated there was pyrite with the gold in the basal layers of the gravels. The workings were not exactly, but were approximately located at the head of Guthries Ck. and prospecting in the area located a vein of pyrites, which carried no gold, which downgraded the prospectivity of the area.

Attention was transferred to the Middletons Ck area, with a similar aim to locate the source of the gold found in the alluvial workings.

A review of the MRT geophysics over EL36/2010 was conducted and this shows a magnetic high on Elizabeth Ridge, parallel to Middletons Ck. The old alluvial workings were mapped and examined. Previous exploration and sampling indicated there was no gold shedding from Elizabeth Ridge, other than from possible perched gravels.

A conclusion was drawn that the gold in Middletons Ck may be sourced from a large structure, lying underneath the gravels of Middletons Ck. To confirm this supposition a drillhole is required through the gravels and the structure. Such a task is beyond the resources of Ron Gregory Prospecting and the current exploration market was thought to not provide any other interested parties to fund the required major works.

2014-2015 has been a difficult trading year for Ron Gregory Prospecting and possible drilling investors, therefore the Licence is surrendered, until better times.

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Plans

1. RGP-MD-TL-011
2. RGP-MD-MC-BT 007

1. Introduction

Following exploration in the Sabbath & Guthries Creeks area in the north of EL36/2010 in 2011-2013, a decision was made to focus on the southern part of the Licence at Middletons Ck.

A review of the MRT aerial geophysics over the whole Licence was conducted by Phil Muir. This revealed a major structure, trending north/south and parallel to Middletons Creek. The Report was reviewed by Mr. Ken Morrison and advice given on work that could be conducted prior to drilling. Following an examination of the Middletons Ck goldfield by Ron Gregory Prospecting, together with consultation and a review of previous exploration by Mr. Hugh Nolan, a decision was made in consultation with Mr. Morrison; to surrender the Licence. It is believed that the gold in Middletons Ck has not shed from magnetically high, Elizabeth Ridge, but from the magnetic low, beneath Middletons Ck. Drilling such a structure is beyond the resources of Ron Gregory Prospecting at this time.

1.1 Report Datum

GDA94

1.2 Exploration Rationale

The aim of the current exploration program on EL 36/2010 is to establish the source of the alluvial gold found in tertiary gravels in the Corinna district.

1.3 Geological Setting

The geology of the Corinna licence EL 36/2010 is part of the Arthur Lineament which separates the western Ahrberg Group lithologies from the more easterly low strain zones of the Oonah Group.

Rocks within the tenement are part of a complex tectonic zone consisting of a linear belt of sheared and highly strained lithologies composed of Cambrian metasedimentary and mafic igneous lithologies of the eastern Ahrberg Group including Savage Dolomites, Bernafai Volcanics and sediments of the Donaldson Group.

Within the tenement, the Savage Dolomites are mostly pale grey and cream fine grained oolitic dolomites with stromatolites, variable silicified dolomites and silica flour (Turner et al 1992). Overlying the dolomites in the vicinity of Elizabeth Ridge are found the Bernafai Volcanics. These volcanics are a sequence of mafic lavas and shallow intrusive, schistose volcanoclastics and volcanogenic mudstones (Henham 1990).

1.4 Licence Information

1.4.1 Licence Number

EL36/2010

1.4.2 Licence Name

Mt Donaldson

1.4.3 Licence Location

Middletons Ck at Corinna

1.4.4 Reporting Period

24th November 2014 – 23rd November 2015

1.4.5 Tenement Holder

Ron Gregory
Trading as – Ron Gregory Prospecting

2. Previous Work

2.1 Work Prior to Current Licence

A review of past exploration was done in the 2013 Annual Report (Gregory, 2013).

The following are notes from the report.

Middletons Ck, near Corinna was one of the first creeks worked for alluvial gold in 1879. Previous reporting on the alluvial/hydraulic workings was done by Thureau in 1881 (OS_026) and Montgomery in 1894 (OS_113) and Blake (UR_1939_26_46, which make little mention of a hardrock gold source.

Serious exploration for a hardrock source to the gold in Middletons Creek seems to have first been promulgated by Hugh Nolan who entered in to a JV with Aberfoyle on EL35_1985.

The following are extracts from Ross Larges' Annual Report (88_2767) in January 1988 are pertinent.

"It appears that the dolomite-mudstone contact is an important control on the localization of bedrock gold in the district."

The MRT report "Geology and genesis of silica flour and gold in the Corinna district, western Tasmania" (Zaw, Turner, Large, Nolan and Mernagh) indicates:

"The close association of silica flour and gold grains in the Corinna area suggests a genetic link, and the gold may have been derived from the same silica flour-forming fluids" and "Gold grains may have been derived from carbonate (dolomite)-hosted, Carlin-type deposits which are yet to be discovered in the area"

There has been no other work in the Middletons Ck area that has come to notice at this time.

3. Exploration

3.1 Desktop Studies

Mr. Phil Muir (SMEG) provided a Report on the publically available geophysics over EL36/2010. This is provided in full in 2013-2014 Annual Report. The following are the Conclusions and Recommendations from the Report.

“ Conclusions and Recommendations

Based on the airborne magnetic and radiometric data, the best target for further exploration work would seem to be along the eastern side of Elizabeth Ridge where it slopes into Middleton Creek. This slope hosts the positions of several discrete magnetic anomalies as well as a distinct trend of high K/Th ratio radiometric anomalies which is suggestive of alteration. MRT geological mapping suggests that these geophysical anomalies are approximately coincident with the contact between the Bernafai Volcanics and Corinna Dolomite; this contact is the Brookside Fault which is a significant structural feature through the area and is associated with the Brookside workings further to the NE.”

3.2 Regional Exploration Activities

No regional exploration was conducted in 2013-2014

3.3 Prospect-based Exploration Activities

Middletons Ck Prospect 2014

No field visits to Middletons Creek were conducted during 2014-15

An exercise of locating and mapping the old workings in Middletons Creek was completed by Paul & Lyndsey Gray and the report is **Appendix 1**.

3.3.2 Geology

N/A

3.3.3 Geochemistry

N/A.

3.3.4 Geophysics

N/A

3.3.5 Remote Sensing

N/A

3.3.6 Drilling

No drilling was conducted in 2014-2015

3.3.7 Ore Reserves and Resources

N/A

3.3.8 3D Modelling

N/A

4. Results

No results can be drawn at this time.

5. Conclusions

5.1 Conclusions

No conclusions can be drawn at this time

5.2 Recommendations

Middletons Creek is worthy of follow-up work..

6. Environment

No environmental impact was done by the work conducted to date.

7. Expenditure

2012 - \$13,900

2013 - \$21,633

2014 - \$8,665

2015 - Nil

Total - \$44,198

8. References

88_2767 Annual Report EL57/83 Large R. R. for Cominex

88_2886 Annual Report EL57/83 Nolan H. D. for Cominex

88_2887 Annual Report EL57/83 Nolan H. D. for Cominex

89_2934 Annual Report EL35/85 Nolan H. D. for Cominex

GSB70_96 Geology and genesis of silica flour and gold in the Corinna district, western Tasmania – Khin Zaw, Turner N. J., Large R. R., Nolan H. D.& Mernagh T.

9. Appendices

Appendix 1

Middleton Creek Archaeological Investigation. Nov 2013
Paul and Lyndsey Darby

Annual Report 2013 - 2014 for EL36/2010

APPENDIX 1.

Middleton Creek Archaeological Investigation. Nov 2013
Paul and Lyndsey Darby

