

MLNs 893 / 894

REPORT FOR PERIOD ENDING

31<sup>st</sup> DECEMBER 2014

MARCELLA COOKE

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## 1 INTRODUCTION

This report covers the period 30<sup>th</sup> November 2014 to 31<sup>st</sup> December 2014. The MLNs 893/894 are located approximately 40km east north east of Adelaide River.

## 2 PARTNERS AND EQUITY

The MLNs were applied for by Grazzina Mainelis and Marcella Cooke 50% interest each.

## 3 TENEMENT STATUS

The tenements involved are

MLN 893 (granted 24/04/1980)

MLN 894 (granted 24/04/1980)

## 4 LOCATION

MLNs fall within original Pastoral Lease boundary of Mount Ringwood station no 718. now lease 1212 portion 6298 partner of lease B. Moon a partner with M. Rathsmann was duly advised of the tenements as required under the Mining Act.

Access to the leases is only possible during the dry season.

## 5 REGIONAL GEOLOGY

Tenements fall within Lower Proterozoic Agicondian System Finn is River Group Burrell Creek Formation. The pine Creek Geosyncline and is some 40km east north east of Adelaide River and consists a number of low grade high tonnage gold ore bodies. The Lower Proterozoic matasediments are inter/aye red volcanic tuff units silicified calcareous greywacke. Gold deposits in the region are hosted by rock formation of the South Alligator River Group is typified by a proportion of iron rich chemical sediment, BIF, tuff and felsic volcanics.

Stratigraphically, the South Alligator consists of the basal Koo/pin Formation made up of BIF, carbonaceous phyllites and siltstone overlain by tuff, siltstone and phyllite of the Gerowie Tuff and is topped by phyllite, chert and BIF of the Mount Bonnie Formation. Burrell Creek Formation flysch sediments of the Finn is River Group conformably overlay these units. The Zamu Dolerite intruded the sequence prior to

Greenschist Facies metamorphism and the major phase of associated deformation. Later widespread granite emplacement essentially concluded the tectonic evolution. Middle Proterozoic sandstones of the Katherine River and Tolmer Groups were later deposited unconformably on the early Proterozoic metamorphic rocks and have, except for faulting, remained largely undisturbed.

## 6 PREVIOUS WORK

Northern Gold showed interest and work carried out for one year. Gold results were poor.

1982 bulk sampling was taken to Mt Wells Battery. Only low grade showed.

A dam was constructed 1983 western side MLN 893. Gridding and sampling was undertaken of alluvials but little was found.

1988 Kakadu Resources took interest sampling alluvials/elluvials. This again proved of little consequence.

Mr Biddlecombe took a tribute over MLNs alluvials. A Yield of 8 ounces recorded.

## 7 METHODS AND WORK COMPLETED

A top shaft was drained of water and heavy equipment used the shaft filled with water overnight. Gold in small amounts in the last few years have been recovered by using gridding and gold detecting, small amounts have been recovered. Most seem to concentrate in the area of the top ridging of the MLNs. We employed Mike Henderson an underground miner to examine a drive shaft on MLN893 to see if access was possible as archival records showed that a rich lead had been followed. He advised the area was too dangerous and likely to collapse.

## 8 CONCLUSIONS

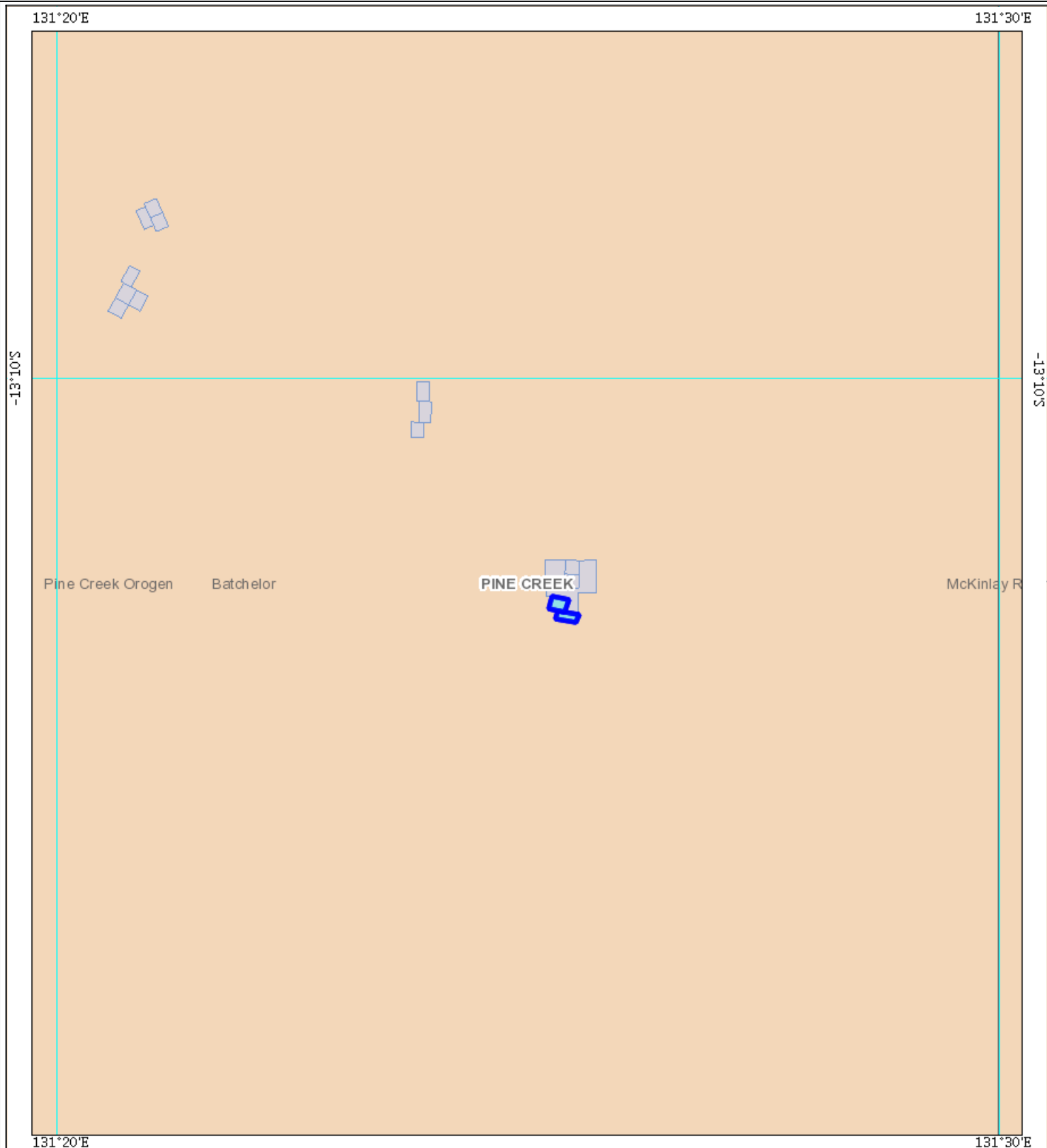
Gold results have been disappointing and low yields with the alluvial work undertaken.

Continued metal detecting will be undertaken. With a chance that we will find an area with rich alluvial.

All efforts were undertaken to minimise soil erosion and wash off during the wet season. We are restricted dry season work, due to restricted access during the Wet. This allows regrowth to occur during this seasonal wet season.

# STRIKE

## MLN893/MLN894



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Titles and Geoscience Data sourced from the Northern Territory Government Department of Mines and Energy, Department of Land Planning and the Environment and the Department of Natural Resources

Topographic data sourced from Geoscience Australia and Dept of Land Planning and the Environment

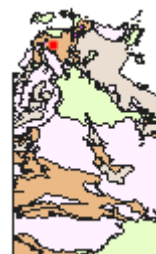
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Kilometres 2 4

Datum: GDA94

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## MLN893/MLN894

Pine Creek Orogen      Batchelor



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