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EL 5389

SCRUBBY PEAK

**ANNUAL REPORTS TO LICENCE EXPIRY/SURRENDER,
FOR THE PERIOD 27/3/2014 TO 26/3/2016**

Submitted by
Investigator Resources Limited
2016

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This report was supplied as part of the requirement to hold a mineral or petroleum exploration tenement in the State of South Australia.

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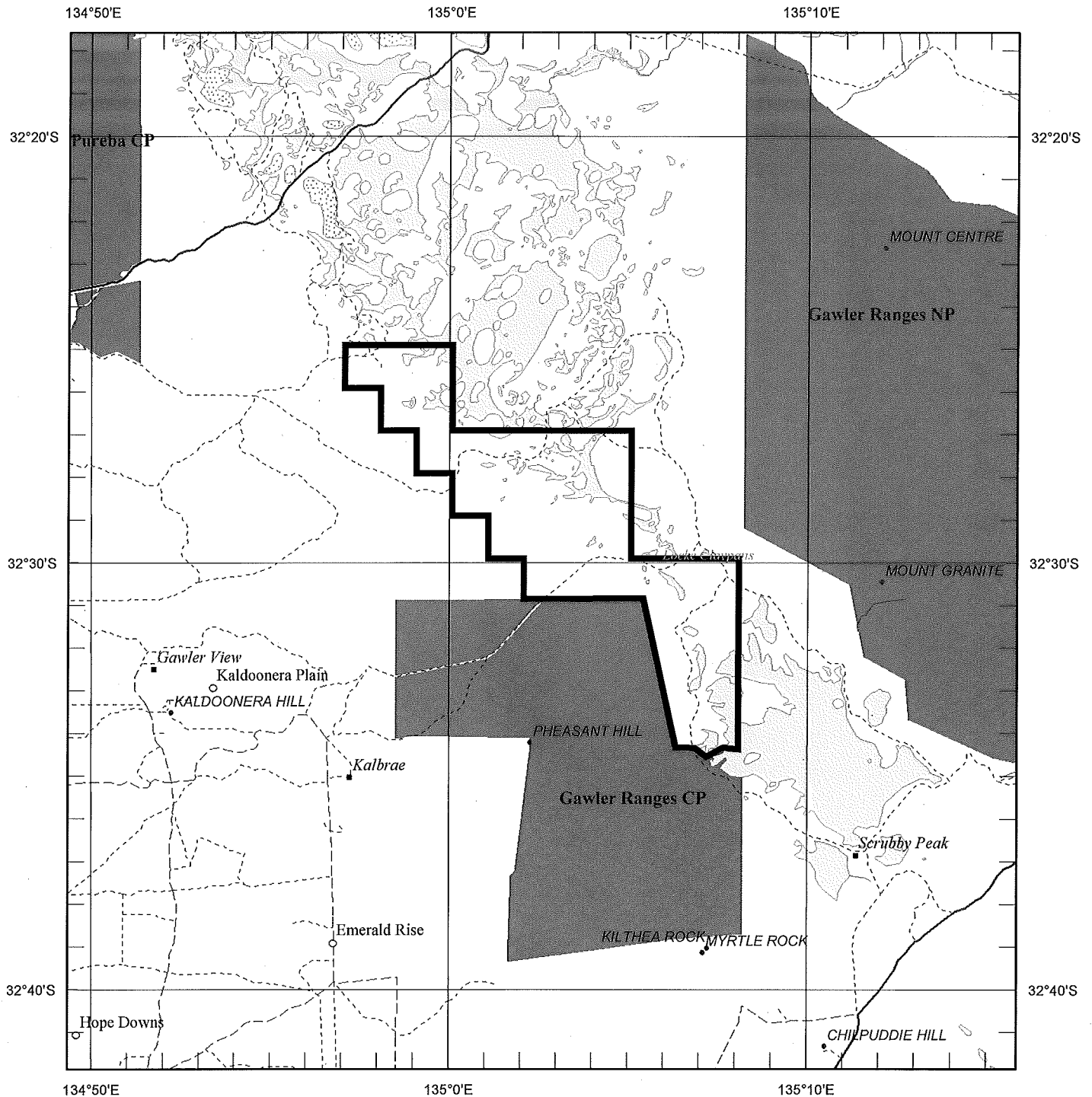
Enquiries: Customer Services
Resources and Energy Group
7th Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880

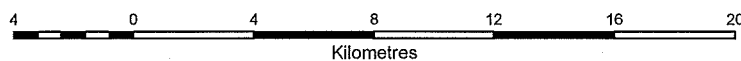


Government of South Australia
Department of State Development

SCHEDULE A



SCALE 1 : 250 000



LICENCE BOUNDARIES IN : DATUM AGD66

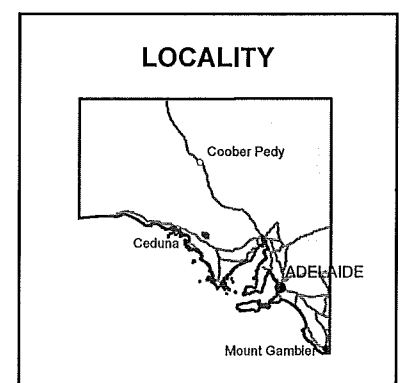
APPLICANT : INVESTIGATOR RESOURCES LIMITED

FILE REF : 2013/00194 TYPE : MINERAL ONLY

AREA : 97 sq km (approx)

1 : 250 000 MAPSHEETS : STREAKY BAY YARDEA

LOCALITY : SCRUBBY PEAK AREA -
Approximately 85 km northeast of Streaky Bay



DATE GRANTED: 27-Mar-2014 DATE EXPIRED: 23-Mar-2016 EL NO: **5389**

PO Box 343 Toowong
Queensland 4066

ABN 90 115 338 979

T: +617 3870 0357

F: +617 3876 0351

E: info@investres.com.au

W: investres.com.au

INVESTIGATOR
RESOURCES
LIMITED



23 June 2015

EL Reporting Officer
Mineral Tenements
Department of State Development
GPO Box 320
ADELAIDE SA 5001

Dear Nella

**EL 5389 Scrubby Peak - Annual Technical Report for the year ending
26 March 2015**

EL 5389 was granted on 27 March 2014 and will expire on 26 March 2016.

No field work was undertaken during the first year of tenure. As no new technical data were acquired, a formal report will not be submitted.

Details of expenditure have been provided in the relevant summary reports.

Please contact me on 8342 4914 or 0415 397 870 if you require additional information.

Yours sincerely

Teena Coppin
Tenement Manager



Investigator Resources Limited
Suite 48, Level 3, Benson House
2 Benson Street Toowong Qld 4066

**INVESTIGATOR
RESOURCES
LIMITED**



Tel: +61 (0)7 3870 0357
Fax: +61 (0)7 3876 0357
Email: info@investres.com.au
web: www.investres.com.au

Exploration Office, Adelaide
18 King St, Norwood 5067
PO Box 3235 Norwood 5067
Tel 08 7325 22 22

EL 5389 Scrubby Creek Final Annual Technical report, 12 months ending 26-03-2016.

EL 5436 Scrubby Creek, Final Annual Technical Report, 12 months ending 26-03-2016.

250,000 mapsheet- SI53-02, Streaky Bay, SI 53-03 Yardea
100,000 mapsheet- 5833 Wirrulla, 5932 Minnipa, 5832 Cungenana, 5933 Yartoo

Coordinates (GDA94 Zone 53)

Max Easting 503000m, Min Easting 476000m,
Max Northing 6413000m, Min Northing 6380000m

Keywords

Soil Sampling, Partial Leach Geochemistry.

Compiled by David Hopton, Senior Project Geologist, South Australia

Summary

This tenement EL 5389 was granted to Investigator Resources on 27 March 2014 for a period of two years, and has been operated by Investigator Resources.

Work on the tenement consisted of reviewing past exploration, reprocessing existing geophysical data, issuing of notices of entry and negotiation of access agreements with various landholders. Very limited soil sampling in a small corner of the tenement was conducted in March 2015, targeting a magnetic feature that was associated with anomalous calcrete from previous exploration.

Samples were submitted for partial leach geochemistry by Genalysis, with poor results, leading to the decision to allow the tenement to lapse.

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1 Introduction

Investigator Resources Ltd sought to obtain a licence over this area because it is in the western margin of the Gawler Range Volcanics, and was thought to be prospective for epithermal gold and silver as well as IOCG style skarn mineralisation, or gold mineralisation associated with Hiltaba intrusives similar to the Barns and Baggy Green Au deposits to the southeast of this area.

The total area covered by the tenement was 97 km².

2 Tenure

Exploration Licence 5389 “Scrubby Peak” was granted for 24 months to Investigator Resources Ltd, on 27 March 2014. It expired on 26 /3/2016.

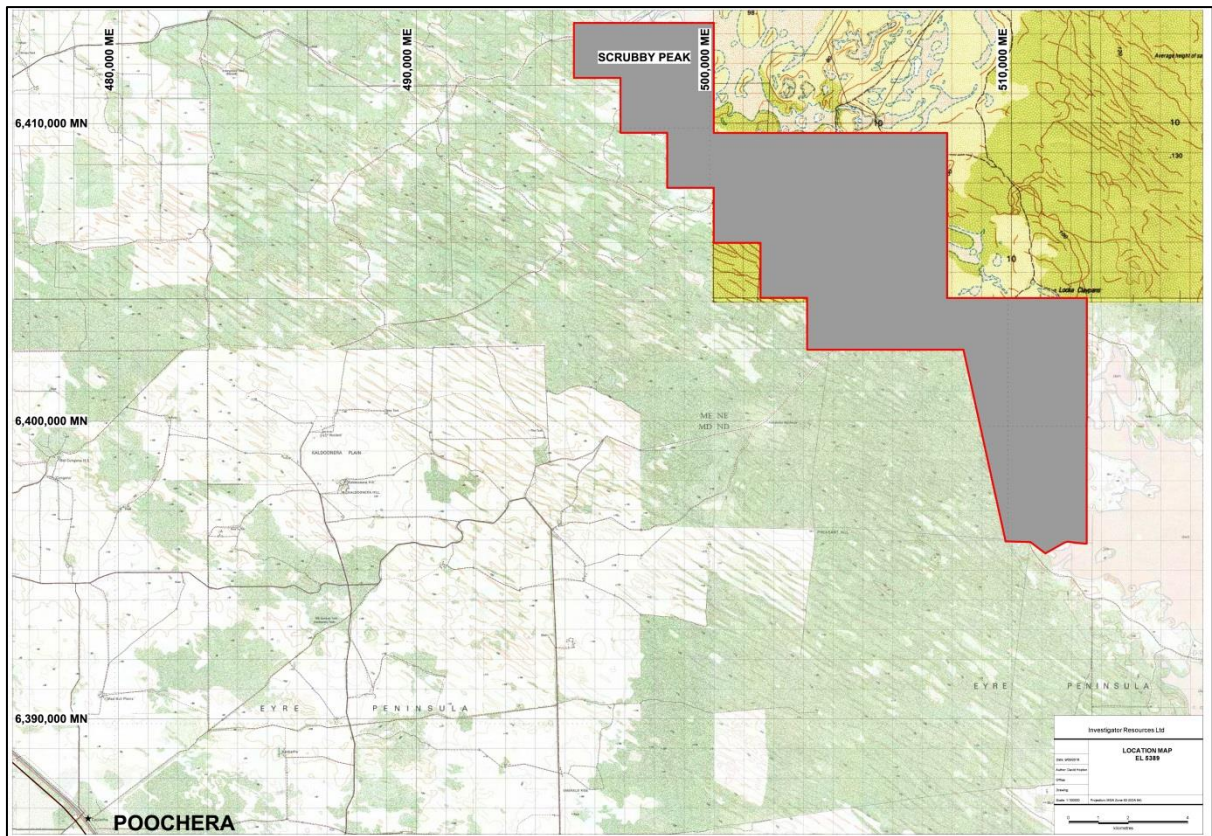


Figure 1 – Location map – EL 5389

3 Access

Exploration Licence 5436 is mainly located within the Streaky Bay 1:250,000 map sheet with underlying title being a combination of Freehold or Perpetual Crown Leasehold land, used primarily for cereal farming, and pastoral leasehold used for sheep grazing.

The centre of the tenement is about 60 kilometres northeast of the town of Streaky Bay (Figure 1). Main access roads include the Eyre Highway. Other council maintained roads and property and station tracks allow easy access to the majority of the tenement area.

The tenement lies mainly within the Barngala Native Title claim. As the activities carried during the exploration of the tenement prior to surrender did not affect native title, nor require any NTMA being in place from DSD, no heritage survey was undertaken with respect to any land on which native title still exists i.e non-freehold land.

Investigator Resources contacted all relevant landholders within the tenement and issued Notices of Entry, to carry out its soil sampling program.

4 Geological setting

This area project lies in the Coultas and Nuyts domains of the southern Gawler Craton. The predominant crystalline basement rocks are Palaeoproterozoic in age, and include St Peters Suite granites and Lincoln Complex granitoids. These are intruded Mesoproterozoic Hiltaba Suite granites,

and Gawler Range Volcanics. Outcrop of the interesting basement rocks is non-existent within the tenement due to extensive Tertiary and Quaternary cover of fluvial, alluvial and aeolian sediments.

The project has potential for the discovery of vein gold associated with Hiltaba age intrusives and in shear zone deposits.

The project also lies near the western margin of the Gawler Range Volcanics Domain, in a zone with known intrusions of Hiltaba Suite granites. At the time of the Hiltaba Suite thermal event, this would have been a shallow, sub-volcanic igneous environment, similar to the geological setting of IOCG deposits at Olympic Dam, Prominent Hill and Carrapateena, as well as epithermal silver-base metal deposits such as Paris.

5 Exploration work completed to date

A small soil survey was conducted across a magnetic rim of a Hiltaba intrusive. 60 samples were taken at 500m spacing.

All samples were sent to Genalysis (Intertek) for partial leach analysis (TL8 method).

This uses a weakly alkaline leach to strip ions from the sand and clay particles, the theory being that the ions have migrated upwards from weathered basement through the regolith and deposited from water vapour just below the soil surface.

This method relies on ultra-low levels of detection and is specifically tailored for uranium exploration, however it is also suitable for a wide range of elements.

Overall the results did not enhance the expected prospectivity of the area, with values for the main elements of interest e.g Au, Ag, Cu, failing to produce any coherent anomalies.

6 Activities during this reporting period

As above.

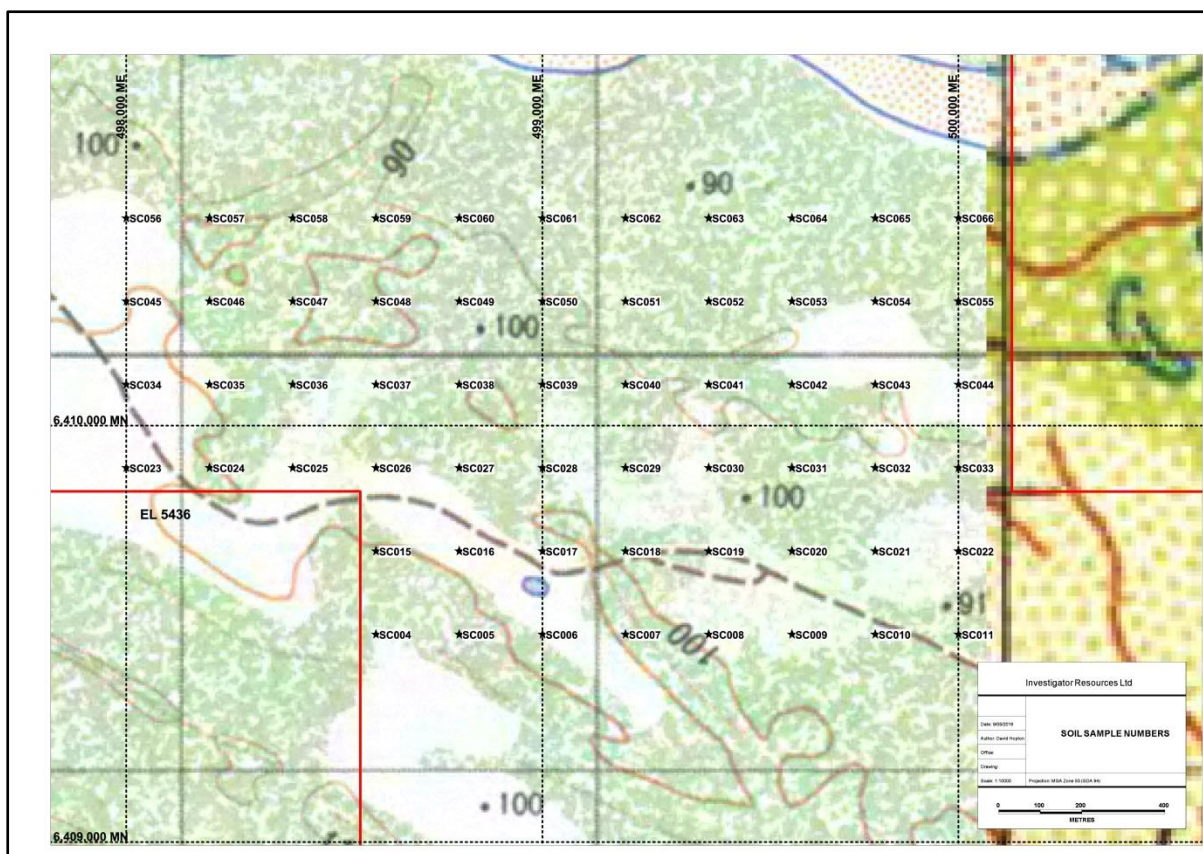


Figure 2 – Soil sample numbers

7 Expenditure

Expenditure for the licence from 27/03/2015 to 26/03/2016 is tabulated below:

Group	Item	Detail	Cost
Management	Tenement mgt and reporting		\$132
	Statutory fees		\$
Logistics	Food, accommodation and travel		\$358
	Vehicle costs		\$740
	Salaries	Employees	\$11,035
		Consultants and contractors	\$
	Insurance	(pro-rata across all projects)	\$
Geological	Data review		\$
	Mapping	Geological, structural, etc	\$
	Geochemistry	Rock chip sampling	\$
		Soil/calcrete sampling	\$
		Biogeochemistry	\$
		Other:	\$
	Geophysics (Where applicable, please indicate if conducted by air or ground)	Magnetic (air/ground)	\$
		Radiometric (air/ground)	\$
		Gravity (air/ground)	\$
		Electromagnetic (air/ground)	\$
		Induced polarisation (air/ground)	\$
		Magnetotelluric (air/ground)	\$
		Seismic	\$

	Drilling	Other: Consulting	\$
		Auger	\$
		RAB	\$
		Air core	\$
		Sonic	\$
		Rotary mud	\$
		RC	\$
		Diamond	\$
		Other:	\$
	Remote sensing	Landsat	\$
		ASTER/multispectral	\$
		Aerial photography and DTM	\$
		Other:	\$
	Technical studies	Hydrogeology	\$
		Geotechnical	\$
		Petrology	\$
	Survey	Downhole (gyro/density/etc.)	\$
		Surface locations	\$
	Other	Trench/costean	\$
		Site preparation	\$
		Rehabilitation	\$
		Sample assays	\$3101
Land access	Native title negotiations		\$
	Aboriginal heritage survey		\$
	Environmental survey		\$
	Landowner negotiations		\$
	Compensation payments		\$
Project studies and research	Project development studies	Scoping study	\$
		Prefeasibility study	\$
		Feasibility study	\$
	University research project		\$
Other	(Please justify below)	Item: Data purchase	\$ 37
		Item:	\$
Subtotal			\$ 15,403
Administration		10% of subtotal	\$ 1,540
Total			\$16,943

8 Future work program

Not applicable

9 File Verification Listing

Exploration Work Type	File Name	Format
AIRBORNE EXPLORATION SURVEYS		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
GROUND EXPLORATION SURVEYS		
GEOLOGICAL MAPPING		
Regional		
Reconnaissance		
Prospect		
Underground		
Costean		
GROUND GEOPHYSICS		
Radiometrics		
Magnetics		
Gravity		
Digital terrain modelling		
Electromagnetics		
SP / AP / EP		
IP		
AMT		
Resistivity		
Complex Resistivity		
Seismic Reflection		
Seismic Refraction		
Well logging		
Geophysical interpretation		
Other (specify)		
GEOCHEMICAL SURVEYING		
Drill sample		
Stream sediment		

Soil	EL 5389 2016 A 02 Soil Data	txt
Rock chip		
Laterite		
Water		
Biogeochemistry		
Isotope		
Whole Rock		
Mineral analysis		
Other (specify)		
DRILLING		
Diamond		
Reverse Circulation		
Rotary air blast		
Air-core		
Auger		
Groundwater Drilling		
All Drilling		
OFFICE STUDIES		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report Preparation	EL5389 2016 A 01 Report	pdf
Other (specify)		
REMOTE SENSING		
Aerial Photography		
LANDSAT		
SPOT		
MSS		
Radar		
Other (specify)		