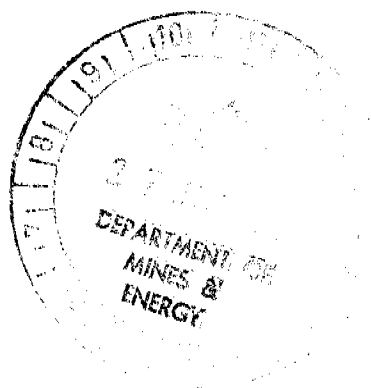


EL 5971

ANNUAL REPORT

To 27th June 1989

OPEN FILE



Compiled by:

Michelle Stokes
Northern Gold NL
Adelaide River NT
July 1989

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Appendix - Biddlecombe Report

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1.0 SUMMARY AND LOCATION

EL 5971 is located to the east of Mt Shooobridge on the Batchelor and Tipperary sheets. It consists of 15 blocks, and straddles the Old Stuart Highway. Northern Gold signed a farm-in and joint venture agreement with the tenement holder, R. Biddlecombe, on the 14th of June 1989. As a result the work done by Northern Gold during this anniversary year is limited to reconnaissance, planning and aerial survey data acquisition. A comprehensive soil sampling and mapping program has commenced and will be reported in the forthcoming years annual report.

3.0 GEOLOGY

The licence area consists mainly of Burrell Creek Formation with sediments of the Mount Bonnie Formation abutting the Mount Shooobridge granite in the east of the area (see appendix maps). Phanerozoic sediments of the Petrel Formation overly the Proterozoic rocks in the north east of the area, and in other isolated locations throughout the area. Several tight anticlines and synclines have been identified by R. Biddlecombe during the licence year (see appendix).

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WORK COMPLETED

During the 1988/89 anniversary year, work carried out on the licence included the following:

Reconnaissance, Mapping and Sampling (Biddlecombe)

As Northern Gold did not enter into the agreement with Biddlecombe over this licence area until a few weeks before the anniversary date of the licence, most of the field work completed on the area was done by the licence holder, R. Biddlecombe. His report is included as an appendix to this report.

Aerial photography

Aerial photography at 1:15,000 and 1: 50,000 was purchased over the licence area.

Reconnaissance of the area

Inspection of access and terrain type in order to schedule and cost the exploration program.

Geophysics - computer enhancements

Computer enhancements of the BMR aeromagnetic data was purchased from Aerodata to assist in regional mapping, and regional structural and lithologic interpretation. Discussions have been held with Aerodata about the possibility of more specific data to the area being available later in 1989.

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6.0 FUTURE WORK

Future work on the licence area will consist of regional lithologic and structural mapping, followed by soil and stream sediment geochemical sampling. Any areas identified as anomalous will be mapped and sampled in detail.

7.0 EXPENDITURE July 1988 - June 1989 (unaudited-approx)

Biddlecombe expenditure (appendix)	\$10960
Pre-agreement reconnaissance, discussion etc	\$2000
Geophysical data acquisition (PRO RATA)	\$1000
Drafting and Computing	\$80
Report and Plan Preparation	\$300
Aerial Photography.	\$670
Consultant geologist (1.5 days)	\$450
Field Assistant (1.5 days)	\$180
Vehicle expenses	\$240
General Costs including Accommodation	
<u>Maintenance, Travel etc.</u>	<u>\$150</u>
Subtotal	\$15,610
Regional Office Admin Cost @ 10%	\$1560
Head Office Admin @ 5%	\$780
=====	
TOTAL	\$17,950

APPENDAGE TO ANNUAL REPORT

FOR

NORTHERN GOLD N.L.

ON WORK COMPLETED

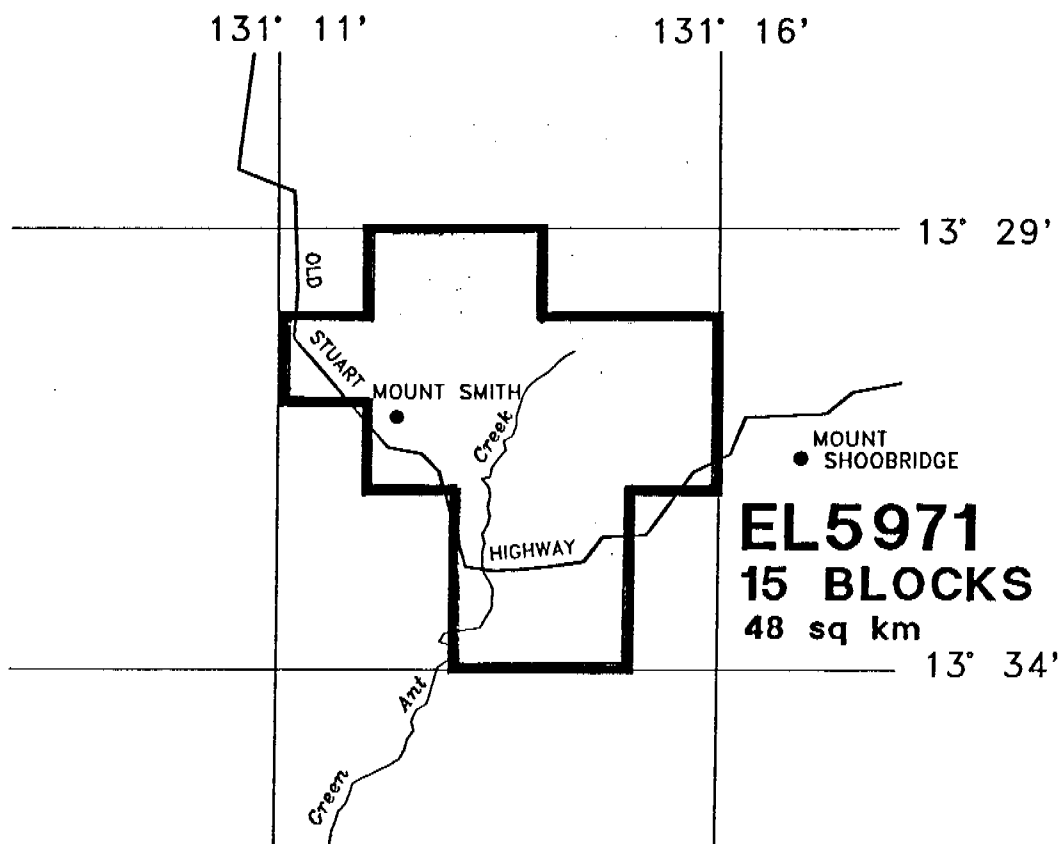
BY

R.M. BIDDLECOMBE

ON

EL. 5971

SECOND SCHEDULE
(Plan of Area)



Work carried out by myself has largely been superseded by a systematic program of stream and soil sampling to locate anomalous zones.

My program consisted of general traverse of the area using a 300 x 300 metre grid in an attempt to locate rock samples of interest and structural feature conducive to gold mineralization. Aerial photos and topographical maps were used to pinpoint location.

Access to the area is quite good and is best attempted from the Old Stuart Highway.

North south trending tongues of the Petrel Formation tend to make east west traverses difficult, however in these situations only north south traverses were undertaken. Generally good exposure is obtained of the prospective rock types over about 50% of the area, however alluvium cover did make my survey incomplete.

Anticlinal axis were marked with spasmodic outcrops of quartz generally of a white colour and showing few signs of mineralization. A stockwork was encountered in the east of the area towards the granite but assay results were low.

To the west of Green Ant Creek and on a northerly trend for about 4 kilometres crosscutting quartz veins were noted, however these are of a generally unmineralized character.

Also of interest was the position of four permanent springs arising from the Petrel Formation one of which is named "Green Ant Creek". The four springs occur on a north south line as marked on the accompanying map and would not appear on the surface to be in good position to exist at all. Perhaps a Department Geologist could one dry sort out the reason for this. They would in any case provide a good source of water for any mining camp in the area.

RESULTS

The area was covered well using a grid pattern and traversed by motor cycle, however very few samples were taken due to the fairly ordinary look of the country.

However as mentioned on the anticlinal axis a white quartz was generally present and may indicate the presence of a less obvious style of mineralization as is found to occur in the Bridge Creek, Mt. Shooobridge area.

To this end I invited Northern Gold to carry out geochemical methods of prospecting the area to ensure that nothing had been missed. There program is currently underway and results are awaited.

EXPENDITURE

Administration, Maps, Aerial Photos	\$1350.00
Camp expenditure	630.00
Assay	
Hammer Mill @ \$10 per sample	750.00
Amdel	230.00
Operator & Field Hand	6120.00
Hire motor cycle and vehicle	1880.00
TOTAL	\$10960.00



CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN WA.)

Marjorie Street, Berrimah, Northern Territory 0828
P.O. Box 58, Berrimah, Northern Territory 0828
Telephone: (089) 32 2669; Fax: (089) 32 3531

5th September 1988

Our Ref : 8DN0275

REPORT NUMBER 8DN0275

CLIENT : Mr. B. Biddlecombe

CLIENT REFERENCE : Verbal Request

REPORT COMPRISING : Cover Page
Page G1

DATE RECEIVED : 25th August 1988

Alan Ciplys
Manager
CLASSIC COMLABS LTD. (N.T.)

This report relates specifically to the sample(s) tested
in so far as that the sample(s) is truly representative
of the sample source as supplied.

Analysis code AAS8
AAS1/2

Report 8DN0275

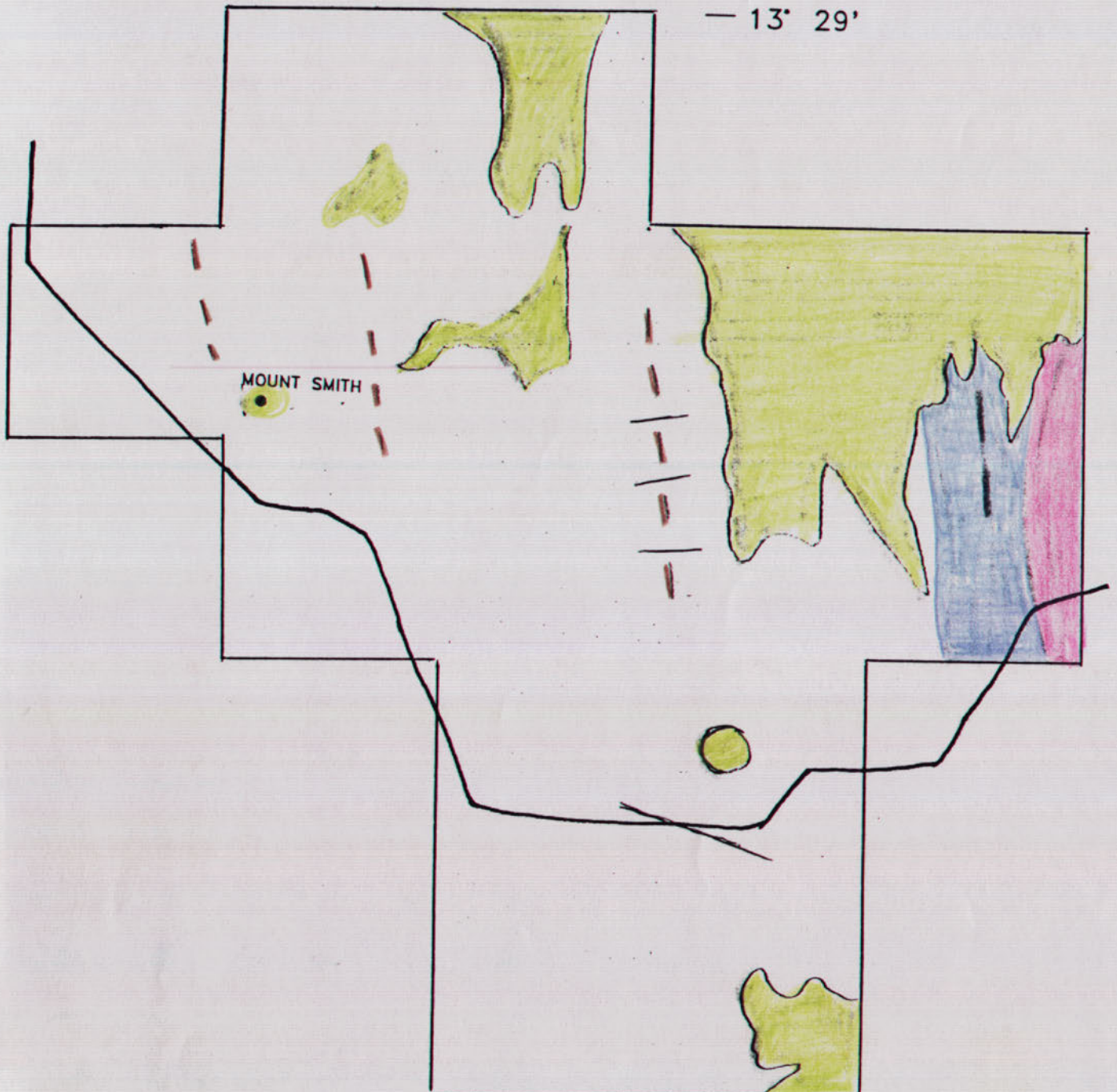
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Results in ppm

Sample	Au	Ag	
1	<0.01	<1	Greyswacke qtz stockwork
2	<0.01	<1	"
3	<0.01	<1	"
4	<0.01	<1	"
5	<0.01	<1	qtz
6	<0.01	<1	"
7	<0.01	<1	"
8	<0.01	<1	Float
9	<0.01	<1	qtz + sediment
10	<0.01	<1	"
11	<0.01	<1	"
12	<0.01	<1	"
13	<0.01	<1	"
14	<0.01	<1	"
15	<0.01	<1	"
16	<0.01	<1	"
17	<0.01	<1	"
18	<0.01	<1	"
19	<0.01	<1	"
20	<0.01	<1	"
21	<0.01	<1	"
Detn limit	(0.01)	(1)	

131° 16'

— 13° 29'



Petrel Formation -

Burrell Ck Form.

Mt Bonnie Form.

Mt Sheehy granite.

Cross Fault.

--- quartzite indicating position
of anti and synclines

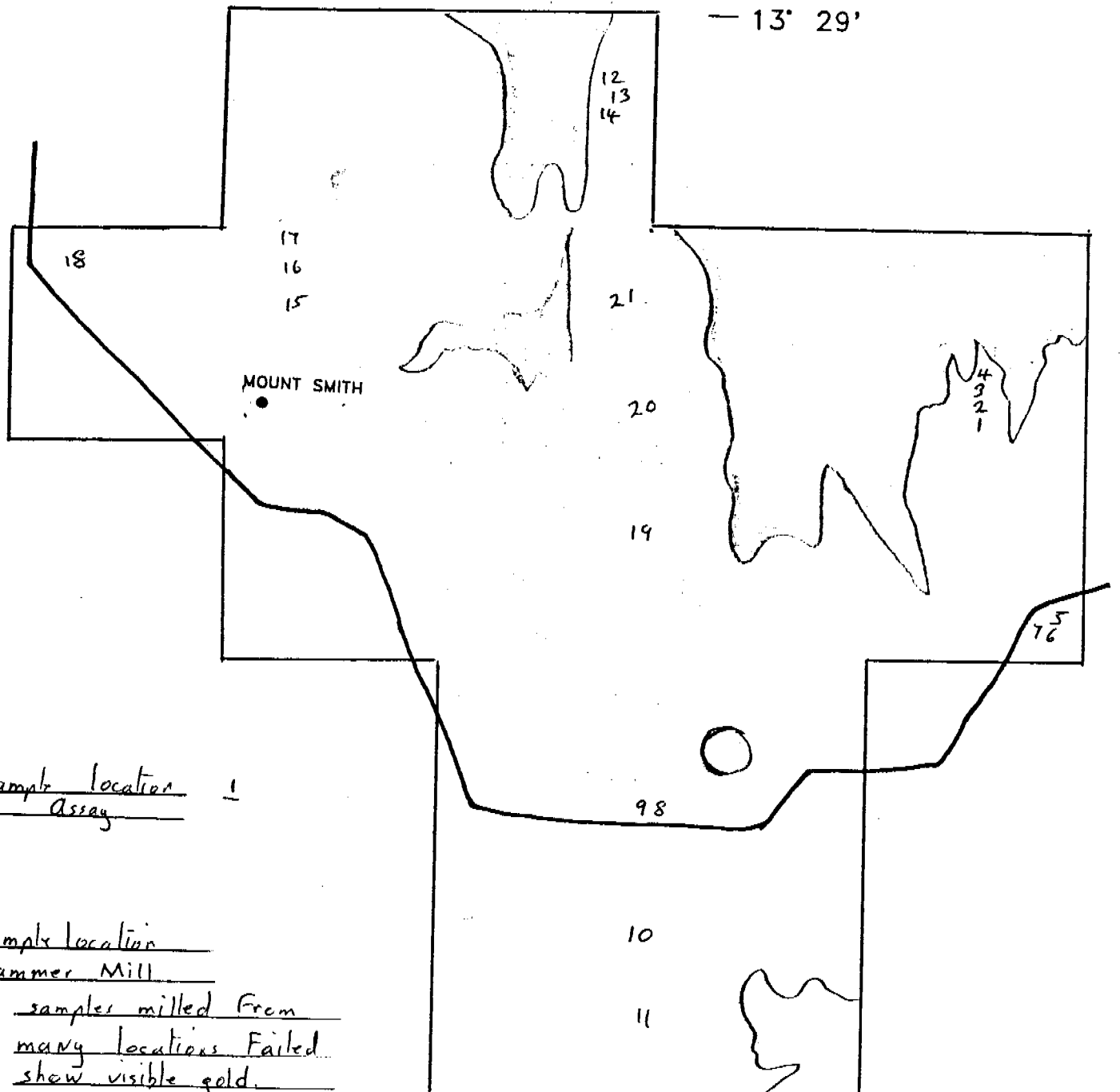
aerial photograph of area show features

EL5971
15 BLOCKS
48 sq km

R.M. BIDDLECOMBE

131° 16'

— 13° 29'



Sample location
Assay 1

Sample location
Hammer Mill
samples milled from
many locations Failed
show visible gold.

EL5971
15 BLOCKS
48 sq km

R.M. BIDDLECOMBE