CARPENTARIA GOLD PTY. LTD.

TECHNICAL REPORT

No. ..111....

TITLE

EXPLORATION LICENCE No.5789 "BURRELL" N.T.

FIRST ANNUAL REPORT: YEAR ENDED 1st FEBRUARY 1989.

ISSUING DEPARTMENT

EXPLORATION

AUTHOR

R.D.M. WILSON

INVESTIGATIONS CONDUCTED BY

R.D.M. WILSON

SUBMITTED BY

P.G. SIMPSON

DATE

JANUARY 1989

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DRAWINGS

Drawing No. 32814 - BCL Stream Sediment Sample Location (1:10 000 scale)

1. INTRODUCTION AND SUMMARY

Morestoe Pty Ltd were granted Exploration Licence No. 5789 on 1st February 1988, for the period of two years. On 1st July 1988 the Licence was purchased by Carpentaria Gold Pty Ltd.

This is the first annual report on EL5789 and describes all work done to date on this licence area.

A stream sediment survey was conducted in November 1988. The results show gold enrichment in all northerly draining streams. The peak value is 51.1 ppb Au.

2. LOCATION AND ACCESS

EL5789 is centred approximately 90km SE of Darwin. It consists of a single minute block with the northwestern corner having coordinates $12^{\circ}56$ 'S and $131^{\circ}30$ 'E. The ground lies within the Mary River 1:100 000 scale geological sheet (5272) and the Darwin 1:250 000 scale geological sheet (SD52-4).

Access from Darwin is via the Arnhem Highway and a track that passes 200m to the east of the Mount Bundey outstation. The EL straddles the track near the southwestern headwaters of Mount Bundey Creek.

3. TENURE

Exploration Licence 5789 was granted to Morestoe Pty Ltd on 1st February 1988 for the period of two years. On 1st July 1988 Carpentaria Gold Pty Ltd purchased some mining tenements including EL5789 from Morestoe Pty Ltd.

Annual expenditure commitment for the first year was \$2 000.00.

4. GEOLOGY

The Exploration Licence area is underlain by sediments of the Burrell Creek Formation. By extrapolating the fold axes on the Mary River - Point Stuart (5272) 1:100 000 scale geological map, a southerly plunging anticline passes through the northwestern corner of the EL.

For further details the reader is referred to the above mentioned ${\tt BMR}$ publication.

5. WORK BY CARPENTARIA GOLD PTY LTD

5.1 Stream Sediment Survey

Ten stream sediment samples were collected on the licence area. North of the track bisecting the EL, streams are well defined and good coverage was attained. However, south of the track low relief and poorly defined streams resulted in poor coverage.

The samples were analysed for gold by the bulk cyanide leach method. In addition a subsample was sieved to -80 mesh. This faction was analysed for Cu, Pb, Zn, Ag, As, Fe, Mn, Mo, Cr, Bi, Cd, U and Sn.

All of the northerly draining streams, north of the track, are enriched in gold. Anomalous values, those over 1 ppb, were located in four of these streams. Values peaked at 51.1 ppb. Background is about 0.25 ppb.

Sample locations are shown on the accompanying map Drawing No. 32814.

6. FUTURE WORK

The streams with anomalous levels of gold require resampling at closer spacing. The surrounding area will be reconnaissance rock chip sampled.

R.D.M. Wilson 6th January 1989.

APPENDIX ...
RESULTS

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CARPENTARIA EXPLORATION CO. PTY. LTD

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Batch Number: M697-1

Page

MR P SIMPSON

No. of Samples: Date Received:

10

14/12/88

476167

-80# STREAM SED Cample Type:

23/12/88 Date Completed:

der No. 476163		Sample Type:	-80# STRE	ALL SED	Date Completed:	23/12/86
SAMPLE NUMBER	Element Unit Method	Cd ppm G001	U ppm XRF1	Sn ppm XRF1		
476163		1	4	(5		
476164		1	8	₹5		
476165		2	4	⟨5		
476166		1	4	⟨5		
476167		2	4	5		
476168		1	8	5		
476169			4	(5		
476170		1	4	₹5		
476172		2	8	5		
476173		2	8	₹5		
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CONSULTING ANALYTICAL CHEMISTS

LABORATORY REPORT

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Page

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CARPENTARIA EXPLORATION CO. PTY. LTD P 0 B0X 21

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P SIMPSON

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MR

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Batch Number: M697

No. of Samples:

Date Received:

14/12/88

of

476163

Sample Type:

-80# STREAM SED

23/12/88 Date Completed:

Order No. 4 (6163		Sample Type:	-60# SIREMM SED		Date Completed:	23/12/00
SAMPLE NUMBER	Element Unit Method	Си РРШ G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	As ppm XRF1
476163		5	5	(5	〈1	(5
476164		10	10	5	(1	\\5
476165		20	10	35	<u> </u>	₹5
476166		5	5	5	(1	(5
476167		10	5	5	<1	⟨5
476168		10	5	⟨5	〈1	(5
476169		5	5	10	<1	〈5
476170		5	5	₹5	<1	⟨5
476172		10	15	5	(1	(5
_ 476173		15	20	10	<1	₹5
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Batch Number: M697

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MR P SIMPSON

Date Received:

No. of Samples:

10 14/12/88

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Ord No. 476163		Sample Type: -80# STREAM SED			Date Completed:	23/12/88
SAMPLE NUMBER	Element Unit Method	Fe % G001	Mn ppm G001	Мо ррт G011	Cr ppm G001	Bi ppm G001
476163		1.18	30	√ 2	20	(5
476164		0.80	30	⟨≳	14	₹5
476165		3.54	140	<2	1.0	₹5
476166		1,16	40	⟨2	2	(5 (5
476167		0.79	25	₹ 2	(2	√5
476168		0.58	25	₹2	⟨2	⟨5
476169		0.70	25	⟨2	⟨2	(5
476170		0.59	10	2 V	14	₹5
476172		1.37	50	√2	50	₹5
476173		1.60	55	√ 2	15	⟨5
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CARPENTARIA EXPLORATION CO. PTY. LTD

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0828

Batch Number:

No. of Samples: Date Received:

10 14/12/88

MR P SIMPSON

Date Completed:

22/12/22

Drd er No. 476163		Sample Type:	STREAM	SEDIMENT	Date Completed:	22/12/88
SAMPLE NUMBER	Element Unit Method	Au ppt PM216	S.Wt Kg			
1			6.67			
476163		6900 6150	5.61			
476164		51.1ppb	7.87			•
476165		1100	5.44			
476166		850	5.06			
476167			5.56			
476168		600 750	5.59			
476169			<u> </u>			
476170		400	5.32			
476172		300	4.79			
476173		500	4.94			
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