

# ***CARPENTARIA GOLD PTY. LTD.***

## **TECHNICAL REPORT**

**No. ...111....**

<b>TITLE</b>	EXPLORATION LICENCE No.5789 "BURRELL" N.T. FIRST ANNUAL REPORT : YEAR ENDED 1st FEBRUARY 1989.
<b>ISSUING DEPARTMENT</b>	EXPLORATION
<b>AUTHOR</b>	R.D.M. WILSON
<b>INVESTIGATIONS CONDUCTED BY</b>	R.D.M. WILSON
<b>SUBMITTED BY</b>	P.G. SIMPSON
<b>DATE</b>	JANUARY 1989

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(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 co-ordinates 12°56'S and 131°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 Bunday outstation. The EL straddles the track near the southwestern headwaters of Mount Bunday 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 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 fraction 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.

A P P E N D I X 1  
R E S U L T S

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## CONSULTING ANALYTICAL CHEMISTS

INCORPORATED  
IN QUEENSLAND

# LABORATORY REPORT

Office: CARPENTARIA EXPLORATION CO. PTY. LTD  
Address: P O BOX 21  
BERRIMAH  
NT 0828

Page 1 of 1

**Batch Number:** M697-1

Contact: MR P SIMPSON

No. of Samples: 10

Order No. **476163**

Sample Type: -80# STREAM SED

Date Received: 14/12/88

Date Completed: 23/12/88

[illegible]

Comments:

**Signed:**

FORM ALS 01(A)

**PTV.  
LTD.**

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Address: P O BOX 21  
BERRIMAH  
NT 0828

Page 1 of 2

**Batch Number:** M697

Contact: MR P SIMPSON

No. of Samples: 10

Order No. 476163

Sample Type: -80# STREAM SED

Date Received: 14/12/88

Date Completed: 23/12/88

[illegible]

Comments:

**Signed:**



INCORPORATED  
IN QUEENSLAND

CARPENTARIA EXPLORATION CO. PTY. LTD  
P O BOX 21  
BERRIMAH  
NT 0828

0828

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**Batch Number:** M697

No. of Samples: 10  
Date Received: 14/12/88  
Date Completed: 23/12/88

MR P SIMPSON

476163

Sample Type: -80# STREAM SED

[illegible]

Comments:

**Signed:**

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Client: CARPENTARIA EXPLORATION CO. PTY. LTD  
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BERRIMAH  
NT 0828

Page 1 of 1

**Batch Number:** M696

Contact: MR P SIMPSON

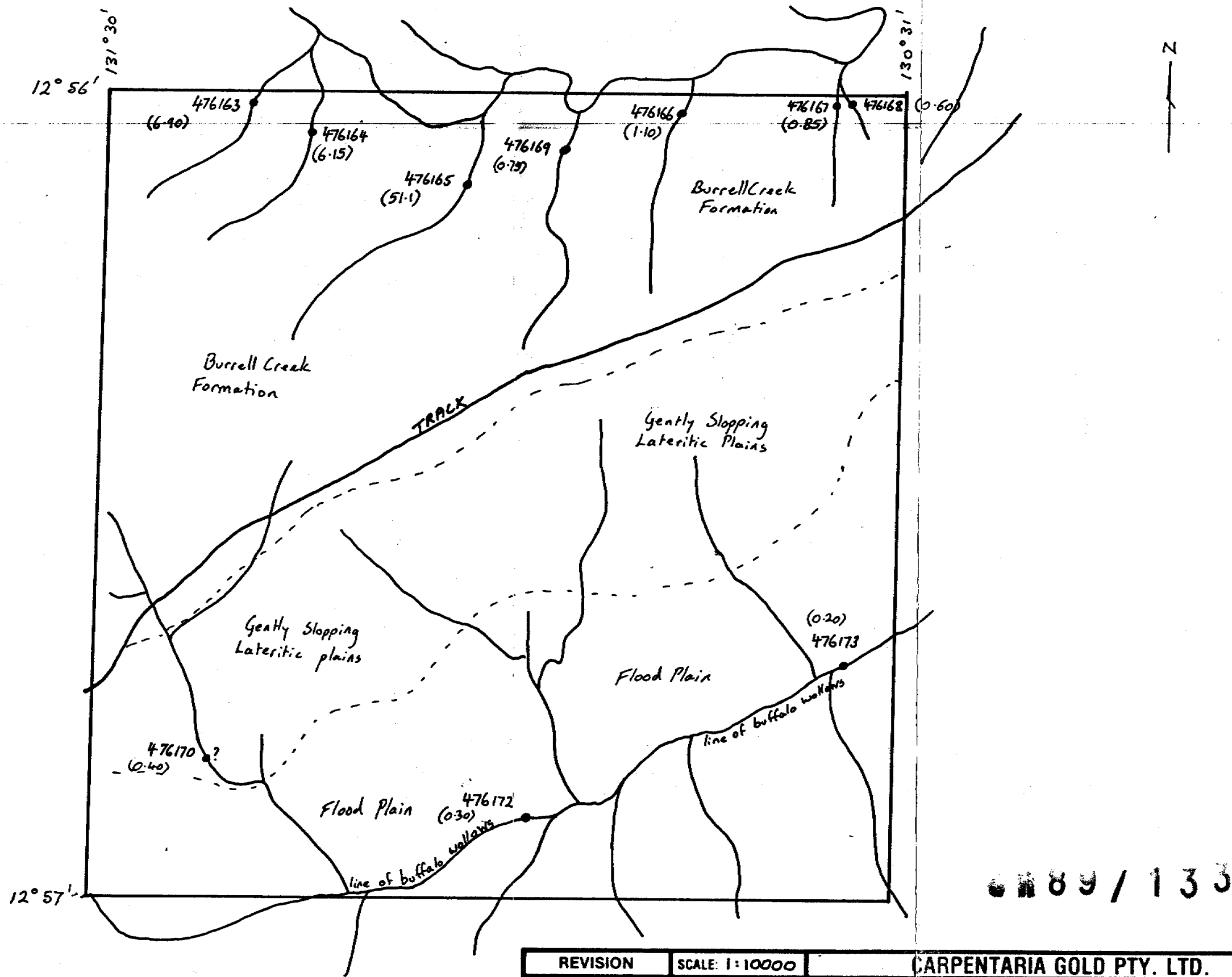
No. of Samples: 10  
Date Received: 14/12/88  
Date Completed: 22/12/88

Order No. 476163 Sample Type: STREAM SEDIMENT

[illegible]

Comments: E.L. 5789 "Burrell" N.T.

Signed: *J. F. Hiney*



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REVISION		SCALE: 1:10000		CARPENTARIA GOLD PTY. LTD.	
		GEO A.P.		BURRELL EL5789 N.T. BCL STREAM SEDIMENT SAMPLE LOCATIONS	
		DRAFT: A.P.			
		DATE: Nov '88			
		1:250 000	SD52-4		
		1:100 000	5272		
MINING FIELD OR DISTRICT: NORTHERN MINERAL FIELD				DRG No.: 32814	