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FINAL REPORT OF EXPLORATION  
ON SURRENDER OF  
EL 37/82 LONGBACK

92-3324

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COMINEX  
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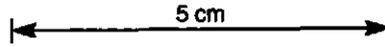
**TENEMENT INFORMATION**

Exploration Licence 37/82 was originally granted in May, 1983 over an area of 68 square kilometres. During tenure the licence area was progressively reduced to 4 square kilometres before relinquishment.

The licence area, which is located S.W. of Savage River township in Western Tasmania, is predominantly of rugged terrain and heavily vegetated with rainforest and eucalypt species.

Logging and government tracks afford reasonable access in the S.E. quarter of the licence. Access to the balance of the licence requires helicopter support.

The licence area is comprised of Crown Land and State Forest.

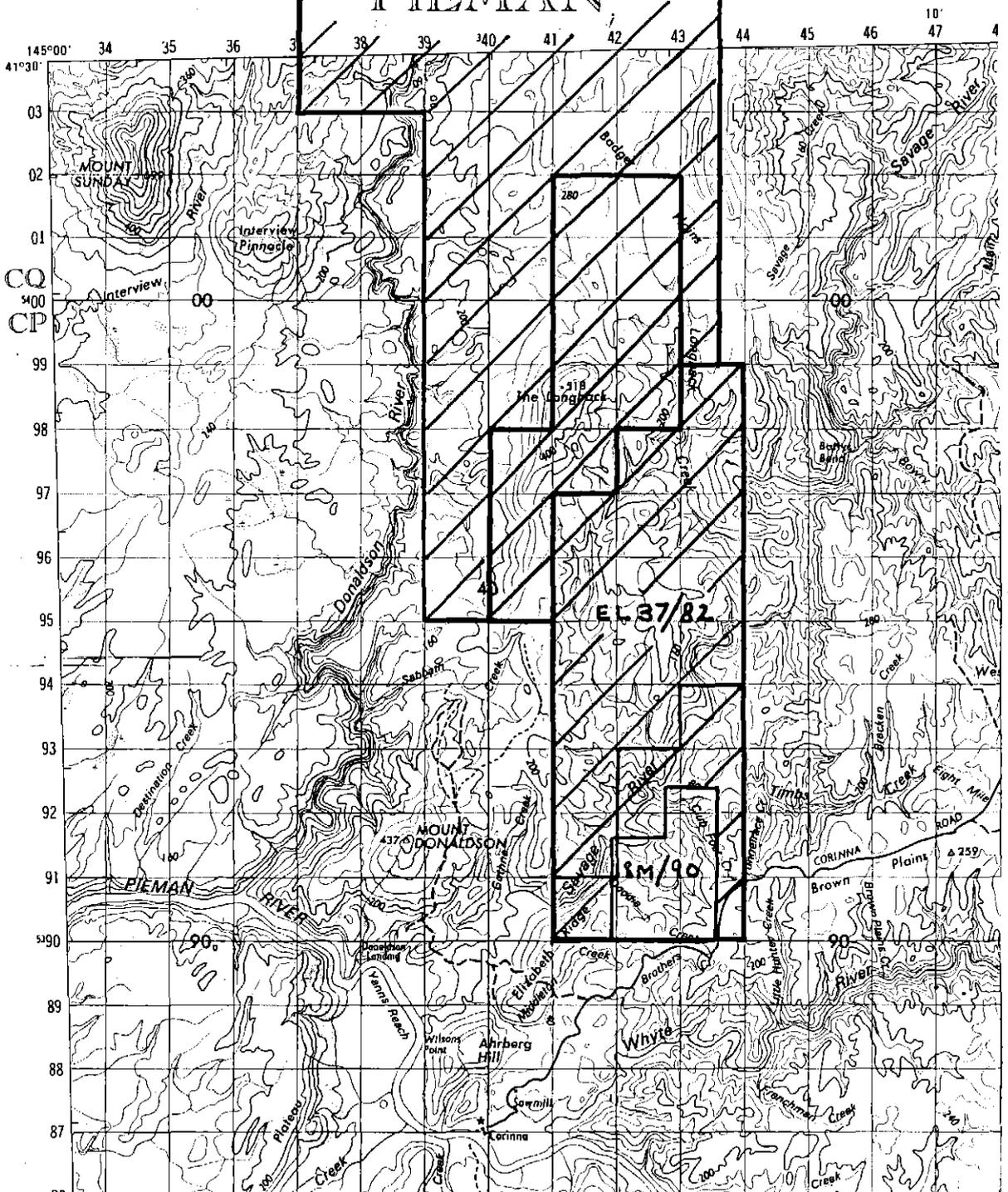


EXPLORATION LICENCE 37/82

(SHOWING PROGRESSIVE REDUCTIONS)

TASMANIA 1:100 000  
TOPOGRAPHIC SURVEY

PIEMAN



## EXPLORATION HISTORY

### Pre 1983

In the late 1800s alluvial gold and osmiridium prospectors penetrated the northern and southern extremities of this licence area. In the north, prospectors worked the alluvials on Badgers Plains. In the south, the Corinna alluvial gold field extended up the Savage River in a north easterly direction as far as Timbs Creek.

Modern exploration had been limited to regional airbourne magnetic surveys conducted by Rio Tinto (1956) and the Dept. of Mines (1982), and a search for alluvial diamonds by Mt Lyell Mining & Railway Company in 1980.

### COMINEX (1983-1992)

During tenure of this licence 37/82, Cominex (Nolan) has participated in four joint ventures arrangements, each of which resulted in significant exploration programs.

1983-84	GEO-PEKO target - TIN
1984-87	MONIER LTD target - SILICA FLOUR
1987-89	EZ/NORGOLD target - GOLD
1989-90	ABERFOYLE RESOURCES target - GOLD

The Cominex/Monier program resulted in the proving of commercially viable reserves of high purity silica flour. Mining, beneficiation and export of this material commenced in 1987.

## EXPLORATION PHILOSOPHY

Exploration Licence 37/82 was originally taken out to investigate several magnetic anomalies delineated by an aeromagnetic survey conducted by the Tasmanian Department of Mines in 1982.

Cominex conducted preliminary investigations before being joined by Geo-Peko, who considered the district favourable for tin bearing pyrrhotite mineralisation.

In the course of a routine "grass roots" rock chip and stream sediment sampling program, Cominex identified an occurrence of high purity silica flour. This resulted in a comprehensive investigation and proving of the silica resource under an option arrangement with Monier Limited.

It was also in the course of routine sampling that Cominex identified the presence of crystalline gold in stream sediment samples from a number of locations in the southern portion of the licence. The discovery of primary gold within an historically alluvial gold field attracted the attention of EZ/Norgold and Aberfoyle Resources, with whom Cominex entered joint ventures to advance the investigations.

Whilst initial interest in this licence area was generated by magnetic anomalies, on-going interest and activity was motivated by information gathered en-route in the course of basic "grass roots" investigation.

## SUMMARY OF EXPLORATION DURING TENURE

### 1983-84 Cominex/Geo-Peko

An exploration model based on the pyrrhotite, magnetite skarn style of mineralisation was used to designate two aeromagnetic anomalies for follow-up. Reconnaissance grid lines, ground magnetics, geological mapping, soil and rock-chip sampling, and a drill hole at Long 1., produced little encouragement.

### 1984-87 Cominex/Monier Limited

Air photo and aeromagnetic interpretation followed by extensive ground traversing, auger drilling and excavator test pitting delineated commercial reserves of high grade silica flour. Mining, beneficiation and export of this material commenced in 1987.

### 1987-89 Cominex/EZ-Norgold

Norgold considered the area to have potential for gold deposits hosted by dolomite adjacent to basic metavolcanics. Work undertaken included a review of Esso's 1973 INPUT EM survey, field traverses south of the Longback Fault in the vicinity of INPUT anomalies X6, X9, X10, X11 and the northern strike extension of the contact zone hosting the Brookside Prospect. Rock-chip and drainage sample results were generally disappointing.

### 1989-90 Cominex/Aberfoyle Resources (ML8M/90)

The occurrence of microscopic crystalline gold in weathered dolomite in close proximity to faulting at the Brookside Prospect was seen as evidence to support a fault related model for gold mineralisation. Following gridding, geological mapping, ground magnetics, rockchip and "WACKER" drill sampling, was undertaken. Five holes totalling 311.0m were drilled beneath the strongest soil geochemical anomaly close to the Brookside Fault. Results from the coregrind analysis failed to explain the surface anomalism.

**ENVIRONMENTAL REHABILITATION**

Exploration involved stream sediment, rockchip ,soil and Tertiary gravel sampling and geological mapping.

Bio-degradable flagging tape was used and litter was removed on a daily basis. Only existing logging and government tracks were used for access, with the exception of limited new track and drill pad forming within that area now held under ML 8/90. These disturbed areas fall within the Mining and Rehabilitation Plan for silica mining within that lease.

With the exception of ML 8M/90, no rehabilitation is necessary.

**SCHEDULE OF REPORTS**

Reports for the period 1983 - April 1988 are held on open file and were detailed by the Dept of Mines within ETA Service 254 of 9 June 1991.

Subsequent reports:

- May 1989 - EL 37/82 LONGBACK  
ANNUAL REPORT ON EXPLORATION ACTIVITY  
APRIL 1988 - APRIL 1989  
Authors: K.J.Virgoe/I.J.Mathison
- Jan 1990 - MINING LEASES 98-102M/84  
BROOKSIDE WESTERN TASMANIA  
REPORT ON EXPLORATION TO Jan.1990  
Author: R.J.Henham
- Aug 1990 - BROOKSIDE J.V. CORINNA DISTRICT W.TAS.  
FINAL REPORT ON EXPLORATION TO Aug.1990  
Author: R.J.Henham
- Aug 1990 - AN INVESTIGATION OF FLUID INCLUSION  
CHARACTERISTICS & GOLD GEOCHEMISTRY  
OF SILICA FLOUR DEPOSITS WESTERN TAS.  
Author: Khin Zaw
- Mar 1991 - EL 37/82 LONGBACK TASMANIA  
ANNUAL REPORT ON EXPLORATION  
PERIOD 1-5-90 to 1-4-91  
Author: H.D.Nolan