

GEOPEKO - TENNANT CREEK

A Division of

PEKO WALLSEND OPERATIONS LIMITED

ANNUAL REPORT ON EXPLORATION LICENCE 2592

9 JUNE, 1981 to 8 JUNE, 1982

Compiled By:

S.D. Turley

July, 1982

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1. INTRODUCTION

Exploration Licence 2592 is on the Illogwa Creek 1:250,000 sheet (SF 53 15). The EL was granted on 9 June, 1982 to Mr L.A. Johannsen, who was employed as a prospector for Attutra Exploration Company Pty Ltd (an 80% owned subsidiary of Petrocarb Exploration N.L.). On the 12 December, 1981 an agreement was reached between Peko Wallsend Operations Ltd and Petrocarb Exploration N.L. to explore the area which includes EL 2592. Subsequent to this time Mr Johannsen transferred the title into the name of Petrocarb Exploration N.L. In accordance with the agreement between Peko Wallsend and Petrocarb, the requirements for reporting and tenure maintenance consequently became the responsibility of Geopeko, the geological and exploration division of Peko Wallsend Operations Ltd.

The EL covers an area of 25.17 square kilometres between the Atula Creek and the Plenty River. Access to the area is via the Plenty Highway, an unsealed road that runs from the Stuart Highway to the Queensland border. From the Plenty Highway access is via the station tracks on Atula Station. EL 2592 is located approximately 25kms south south east of the Atula homestead.

2. SUMMARY OF EXPLORATION

The tenure was originally granted to Mr Johannsen in order to test ideas relating to "circular drainage anomalies" that Mr Johannsen thought could relate to the presence of rocks of a kimberlitic origin. The ground was tested firstly by reconnaissance, ground magnetics and secondly by a series of air-track holes to a depth of 1015m.

Liason with Mr Johannsen who conducted this exploration indicates that no detailed records of the ground magnetic data were made and no formal report on the percussion chip-sample analysis was provided. The conclusions drawn from the work undertaken, was that the ideas were tried and tested but failed to indicate the presence of rocks of a kimberlitic affinity. The only results known from the programme are that the holes intersected a fine grained, kaolinised gneiss.

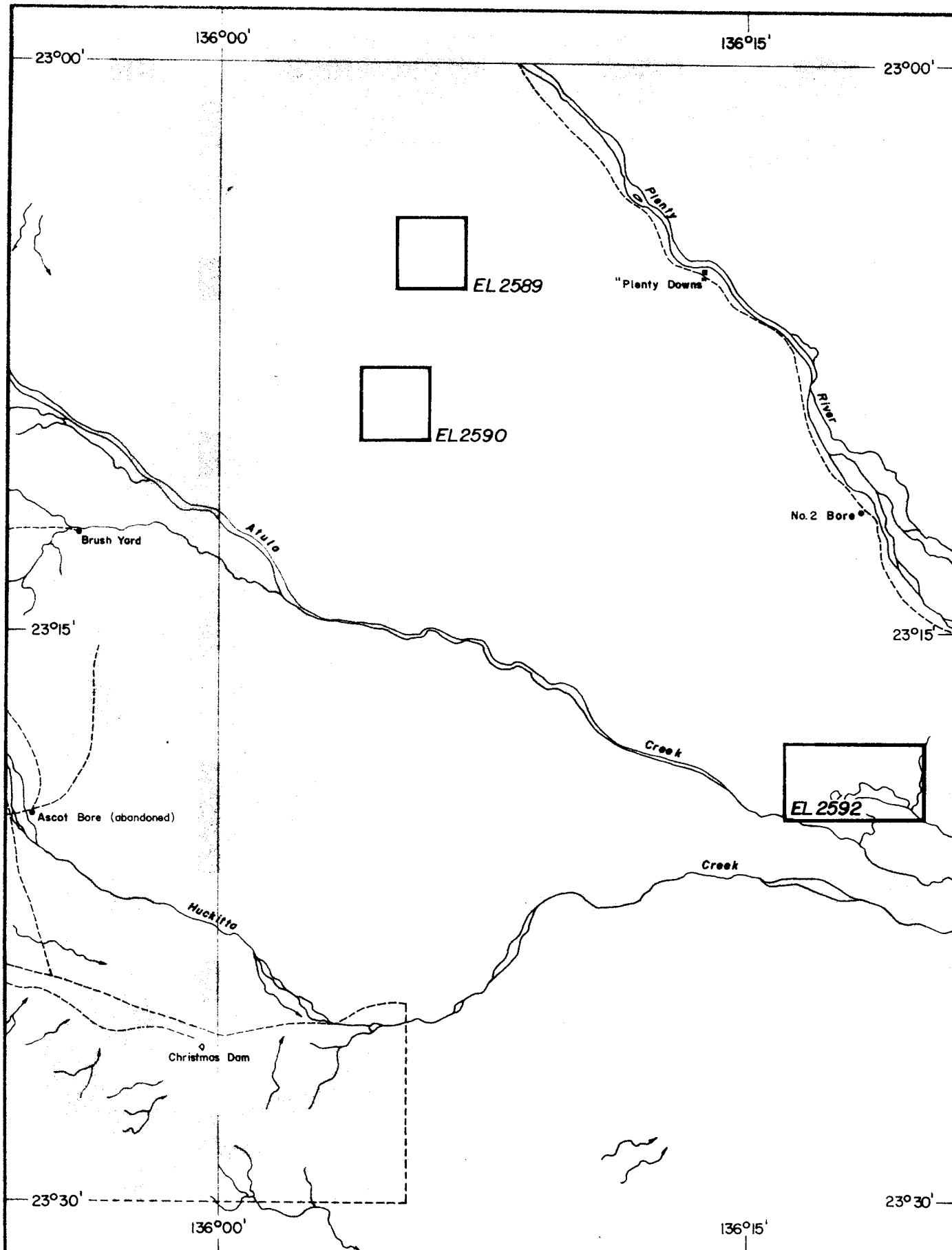
3. EXPENDITURE

No detailed expenditure records appear to have been kept, but an assessment of the cost of work completed indicates that expenditure on this Exploration Licence for the year under review was approximately \$5,000.

4. FUTURE EXPLORATION

EL 2592 is currently the subject of an exploration Joint Venture between Peko Wallsend Operations Ltd and Petrocarb Exploration N.L. The continuance of this Joint Venture is linked to an option held by Peko over the Molyhil Mine Mineral Leases. This option expires on the 12 April, 1983. Should Peko decide not to exercise the option all the tenure that formed part of the Joint Venture will revert to the original tenure holder. It is Peko's wish that the status of this tenure should be retained until the due date.

The company is awaiting the release of the data from the N.T. Geological Survey's airborne magnetic and radiometric survey, which covers the northern half of the Illogwa Creek, and the southern half of the Huckitta 1:250,000 sheets. The EL falls within the survey area and its results, together with a regional geological survey will form the basis for future exploration.



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Vehicle track



Area applied for Exploration Licence

## GEOPEKO

TENNANT CREEK NORTHERN TERRITORY

PROJECT

MOLYHIL

AREA

ILLOGWA CREEK 1:250000

DATA

LOCATION AND ACCESS  
TO EL's 2589, 2590 & 2592

DRAWN

COMPILED

SCALE

DWG. No

TL Ward 6/82

S Turley 6/82

1:250000

TF 2796