Territory Goldfields

EL8781 - ELLISON EAST
ANNUAL REPORT - YEAR 1 OF TENURE

5.10.94 - 4.10.95
Ban Ban 1:50,000 & McKinlay River 1:100,000 Map Sheets

on:

C. Fawcett
October 1995

Goldfields NL

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1.0 SUMMARY

EL8781 is situated on the Ban Ban 1:50,000 and McKinlay River 1:100,000 scale map sheets, approximately 130km southeast of Darwin in the Pine Creek Geosyncline.

Previous exploration by Dominion Gold Operations Pty Ltd was carried out as EL7372. The exploration licence 7372 consisted of one graticular block and was relinquished by Dominion in 1994 and regranted as EL8781 in October 1994.

Territory Goldfields NL acquired EL 8781 from Dominion in May 1995.

No exploration has been carried out during the first year of tenure.

2.0 LOCATION AND TENURE

EL8781 is located approximately 130km southeast of Darwin on the Ban Ban 1:50,000 map sheet. The licence lies between latitudes 13°21'S and 13°22'S and longitudes 131°31'E and 131°32'E. (See Figures 1 and 2).

Access to the EL is via station tracks from the Ban Ban Springs homestead.

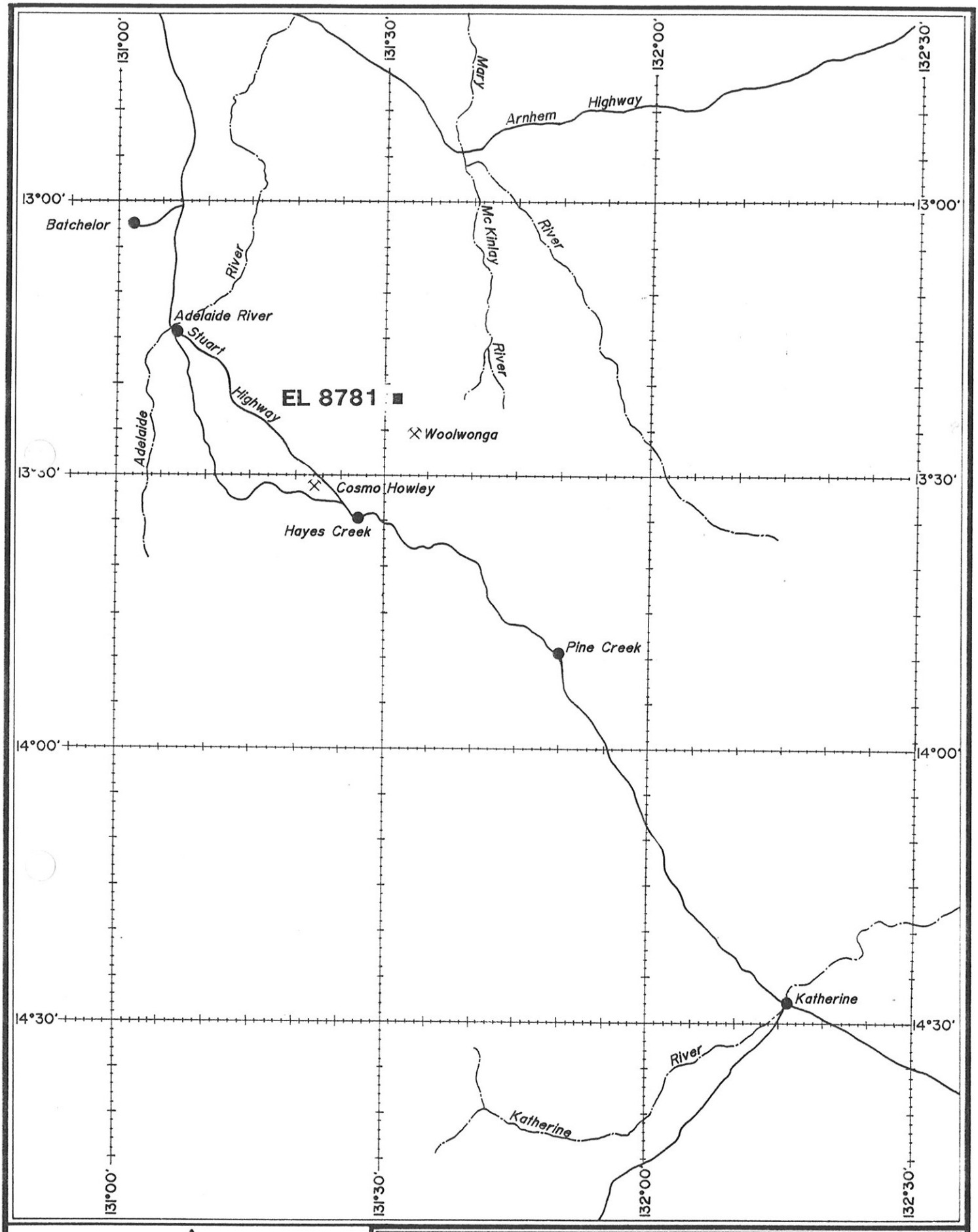
The licence, consisting of one graticular block was granted to Dominion Gold Operations Pty Ltd on 5 October 1994 for a period of two years. Territory Goldfields NL subsequently acquired the tenement in May 1995.

3.0 GEOLOGY

3.1 Regional Geology

The Pine Creek Inlier is a roughly triangular area of about 66,000km^2 south and east of Darwin, which contain Early Proterozoic metasedimentary rocks resting on a gneissic and granitic archaean basement. The metasediments represent fluviatile, shallow water and intertidal basinal sequence up to 14km thick (Needham et al, 1980).

During the Top End Orogeny (1870-1780Ma) the rocks were metamorphosed to mainly greenschist facies, however, amphibolite facies dominates in the northeast in the Alligator Rivers region. Proven Archaean rocks are restricted to mainly granite-gneiss of the Rum Jungle, Waterhouse and Nanambu Complexes which formed mantled gneiss domes near the presently exposed western and eastern margins of the inlier.



EL 8781
Location Plan

PROJECT	WOOLWONGA NORTH			STATE	N.T.
ORIGINATOR	M.P.	Date Sept 94	DRAWN	L.C.	Date Sept 94
SCALE	1:1000000	FIGURE Nº:		PLAN Nº:	2D-T103

Dominion Mining Limited

6.0 EXPENDITURE

No expenses were incurred over EL8781 during the first year of tenure.

7.0 PROPOSED PROGRAMME

The proposed programme for the second year of tenure will involve soil sampling of outcrop areas and vacuum drilling of covered areas.

The minimum expenditure for this programme is expected to be approximately $4,000.

8.0 REFERENCES

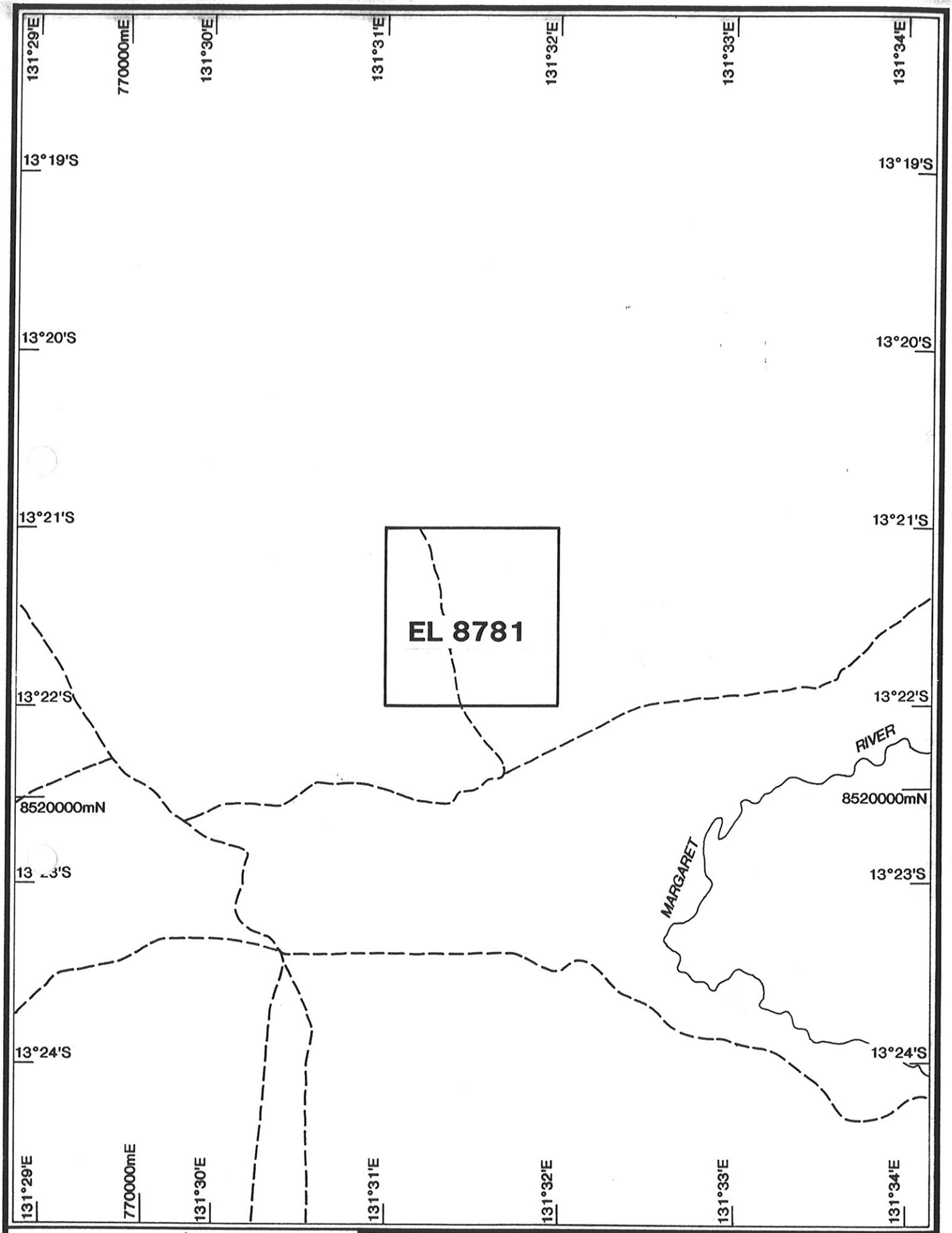
Needham, R.S. , Crick, J.H. and Stuart-Smith, P.G. (1980) 'Regional Geology of the Pine Creek Geosyncline', in Proceedings of the International Uranium Symposium, International Atomic Energy Agency, Vienna p1-22.

Palmer, M., May 1993. EL7372 Annual Report for Year 2 of Tenure - 22 April 1992 to 21 April 1993. Dominion unpublished report to the NTDME.

Palmer, M., September 1994. EL7372 Annual and Final Report, Year 3 of Tenure - 22 April 1993 - 21 April 1994. Dominion unpublished report to the NTDME.

Pooley, S.J., May 1992. EL7372 Annual Report for Year 1 of Tenure - 22.4.91 - 21.4.92. Dominion unpublished report to the NTDME.

Pooley, S.J. and Fuccenecco, F., December 1991. Woolwonga North Project Area EL's 7067, 7372, MCN's 1578-83, 2366-83. Annual Report 1991. Dominion unpublished report.



EL 8781
Tenement Location

PROJECT	WOOLWONGA NORTH			STATE	N.T.
ORIGINATOR	M.P.	Date Sept 94	DRAWN L.C.	Date	Sept 94
SCALE	1:50000	FIGURE No. 2		PLAN No:	2D–T106

Dominion Mining Limited

The sedimentary rocks are mainly shale, siltstone, sandstone, conglomerate, carbonate rocks and iron formations. Felsic to mafic volcanism and associated tuffaceous sediments are also present. The sedimentary sequence is intruded by transitional igneous rocks including pre-tectonic dolerite sills and syn to post tectonic granitoid plutons and dolerite lopoliths and dykes. Largely undeformed platform covers of Middle Proterozoic to Mesozoic strata overlie these Lower Proterozoic sediments.

3.2 Local Geology

The exploration licence covers units of the Lower Proterozoic South Alligator and Finniss River Groups of sediments on the eastern contact of the Burnside Granite.

The dominant lithologies consist of carbonaceous pelites of the Koolpin Formation, tuffs and pelites of the Gerowie Tuff and mixed sediments of the overlying Mt. Bonnie Formation. The Koolpin Formation and Gerowie Tuff units are both intruded by units of Zamu dolerite.

The Koolpin Formation sediments tend to outcrop as well defined strike ridges trending NNW. The areas of Gerowie Tuff and Mt. Bonnie Formation outcrop as low, scree covered rises. The area is structurally complex with evidence of cross-faulting and is interpreted as being situated on the eastern limb of the Woolwonga anticline. Figure 3 shows the local geology.

4.0 PREVIOUS EXPLORATION

The licence area was previously explored by Dominion as EL7372. When the licence expired it was reapplied for and granted as the present EL8781.

The area has also been explored in the past by CSR and a joint venture between CRAE and Comalco. The results of this work are detailed in their first Annual Report.

Since Dominion acquired the ground the exploration they carried out has included: aerial photography, interpretation of multi-client geophysical data, stream sediment sampling, soil sampling and air core drilling.

5.0 1994 - 1995 EXPLORATION

No exploration was undertaken during the reporting period due to other commitments and the acquisition of the tenement by Territory Goldfields.

131°31'E

131°32'E

852400

852200

8524000mN

8520000mN

13°21'S

13°22'S

13°22'30"S

771000mE

773000mE

Mt Ellison

Ban Ban Springs

Landing Ground

ROAD

Olive

RUN 9

Qs

Qa

Qa/Cz

Pdz

Psk

Psg

Pfb

Pso

Ppw

Psk_2

Psk_3

Psk_a

Psk_c

Territory Goldfields N.L.

PROJECT: WOOLWONGA NORTH

PROSPECT: Ellison East EL 8781

EL 8781
FACT GEOLOGY

0 250 500 1000 1500 2000

1:25,000

ORIGINATOR: CF

Date: October 1995

SCALE: 1:25,000

DRAWN: CF

PLATE Nº:

PLAN Nº: