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EL 96

MOUNT SERLE

PROGRESS REPORTS TO LICENCE EXPIRY/SURRENDER FOR THE PERIOD 20/9/1973 TO 19/9/1974

Submitted by Aquitaine Australia Minerals Pty Ltd 1974

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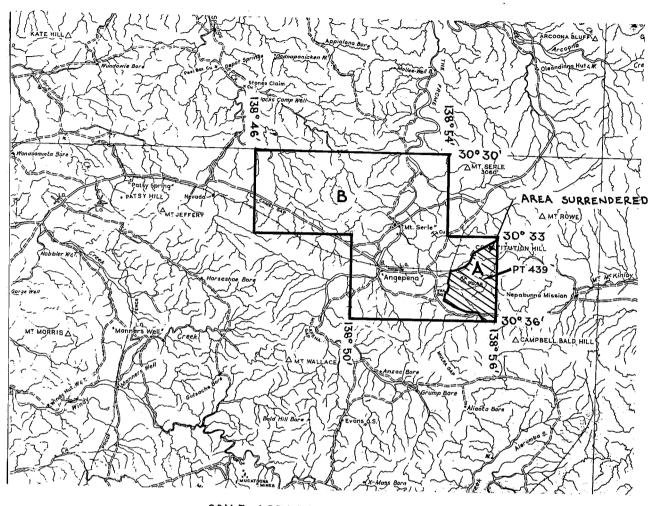
Minerals and Energy Resources

7th Floor

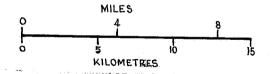
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000 Facsimile: (08) 8204 1880





SCALE 1:250,000



AQUITANE AUSTRALIA MINERALS PTY. LTD. FOX MINING & EXPLORATION PTY. LTD. DOCKET DM 454/73

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E.L.No. 96 EXPIRY DATE 19.9.74

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TENEMENT: E.L. NO. 96

TENEMENT HOLDER: Fox Mining & Expl. Pty. Ltd.

Aquitaine Australia Minerals Pty. Ltd.

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E.L. No. 96 QUARTERLY REPORT

EX SML 708 'MT. SERLE' (RENEWAL PENDING)

For the period ending 24.8.73



Distribution:

Mines Department

AAP Manager/Archives

AAM Manager

S. Ognar

By: S. Ognar

September, 1973.

MG: 311

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 - 4 Zinc anomalies location
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1. ABSTRACT

A geochemical survey was carried out by an Amdel team and 680 soil samples assayed for Cu, Pb and Zn.

Results are very low for Pb and Zn, and an additional programme for Cu on a 2.5 km long copper anomaly with 80-400 ppm Cu, will be proposed for the next field season.

2. GEOCHEMISTRY

Following the programme proposed on the SML 708 Final Report May 1973 we carried out systematic soil sampling for a geochemistry survey on the selected area: located South East of the Mt. Serle Homestead.

A base line of 5,250 km was located with a theodolite (T1) and 20 cross lines pegged every 0.250 km. Sample spacing along the cross lines was 50 metres.

The area occupied by a massive round quartzite was not soil sampled.

This programme was carried out by a 3 man field team from Amdel.

3. GEOCHEMICAL RECONNAISSANCE SURVEY

Dr. Davy, from Amdel, visited a portion of SML 708 (19th May, 1973) to assess the difficulties of surveying and to carry out geochemical reconnaissance in the area. Nine samples of soil were taken, mainly adjacent to the proposed base line, for laboratory investigation. A more extensive examination was made of a detritus covered area in the south eastern part of the proposed grid to assess the difficulties of reaching the residual soil below the surface litter. In the conclusions of the report MP4884, R. Davy said the area is likely to have subdued geochemical relief.

Past intensive leaching with silification and ferruginisation appears to have affected rocks to considerable depths. Leaching is continuing on upper slopes of hills with siliceous sediments and, possibly, to a lesser degree, over carbonate sediments. In the valley bottoms, soluble cations are fixed on carbonate and clay and will only be redistributed further mechanically. It is considered that the -85 mesh fraction will be suitable for sampling purposes.

This fraction was adopted and 680 samples (including 54 hand augered samples) were assayed for Cu, Pb, Zn.

4. RESULTS

All results are reported on plates 5,6 and 7 for respectively Cu, Pb, Zn and anomalies plotted on plates 2, 3 and 4 which are at the same scale as the geological map (Plate 1).

4.1 Copper (Plate 2)

On this copper anomalies plate we can see a 2.5 km low grade anomaly (A) oriented north-east, south-west. The values are between 80 ppm to 400 ppm with some specks of + 600 ppm.

Half of the south western part covers the partly brecciated Wilkawillina Limestone (Cambrian) and the north eastern half is located on the eastern part of the Mt. Serle Anticline (Proterozoic) which is overlain by quarternary blanket. A possible repetition of this anomaly exists in the north flank of the anitcline (B). Eveline Mine, which is an old copper mine, is located in this part and the copper mineralization seems to be mainly concentrated in a few quartz veins.

Two very low anomalies (80 - 100 ppm) are located on the Mt. Serle diapiric breccia (C).

4.2 Lead (Plate 3)

Some lead values up to 100 ppm exist around Eveline Mine. The other results are very low except for a few places where lead is up to 50 ppm.

4.3 Zinc (Plate 4)

Some values are up to 100 ppm and sometimes they are superingosed on the copper anomalous area.

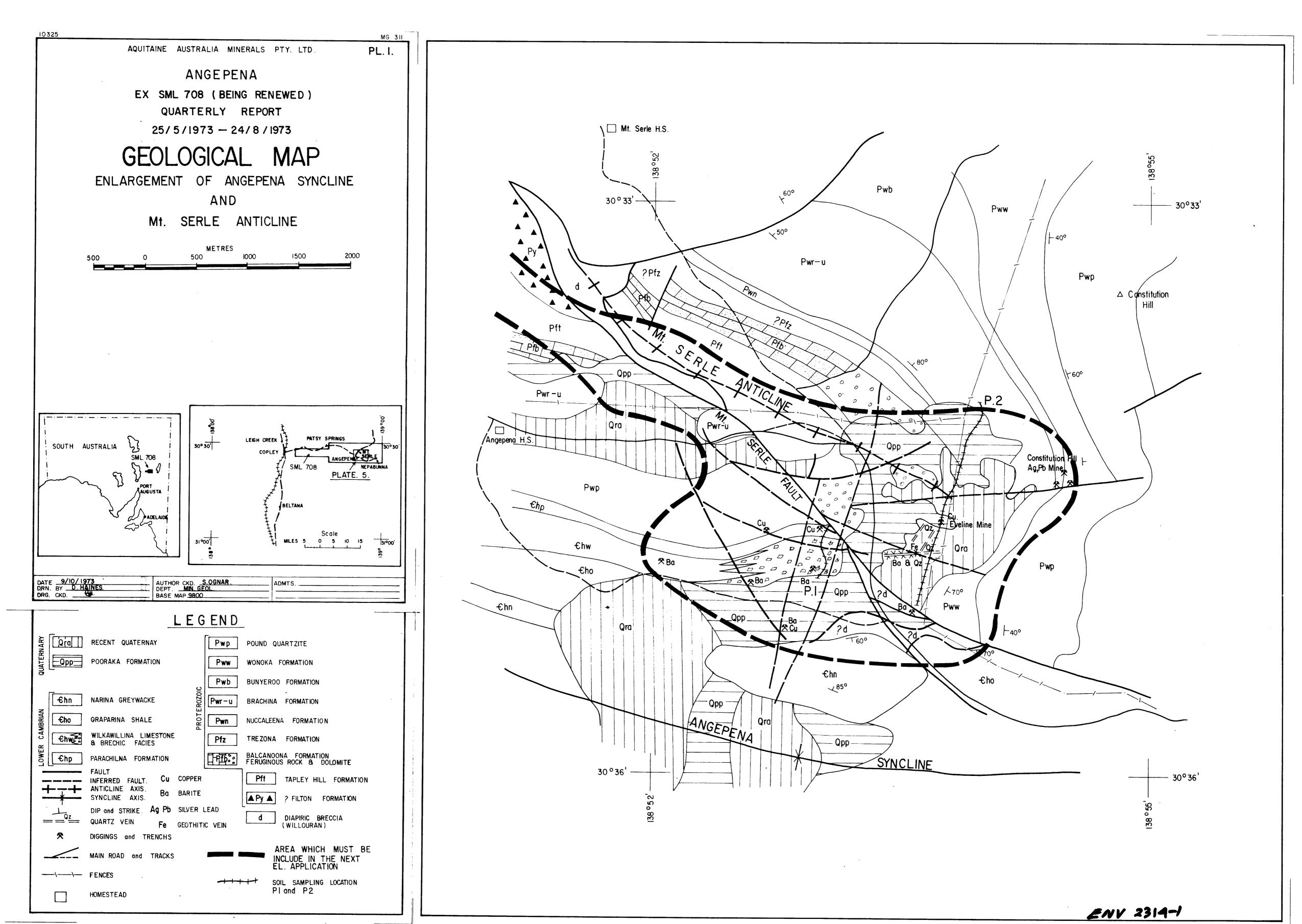
5. CONCLUSIONS

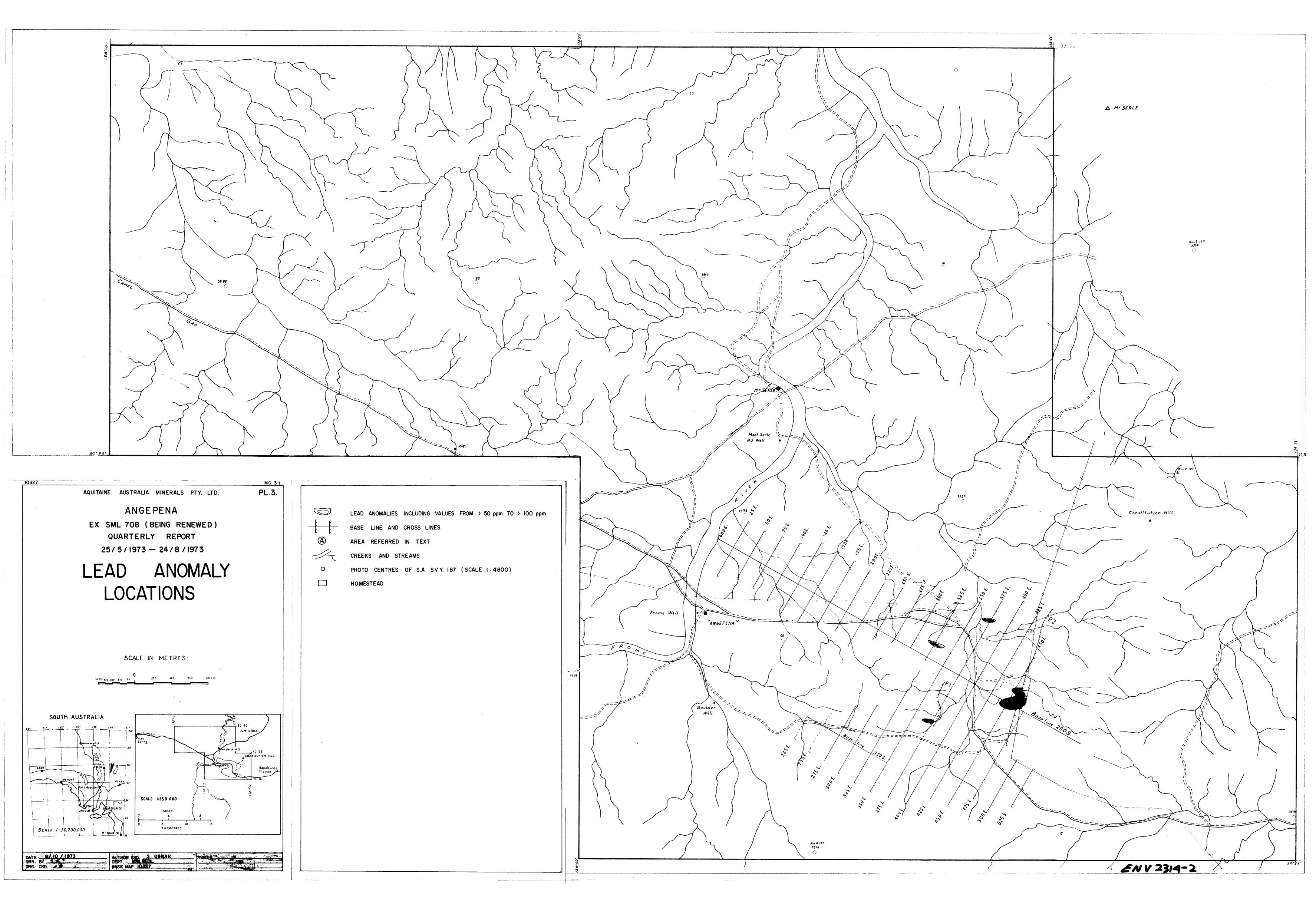
Only copper values gave any encouraging results and we propose to prepare an additional programme of soil sampling on the north eastern part of the anomaly "A" (inside the Nepabuna mission fence) which can be done during the next field season.

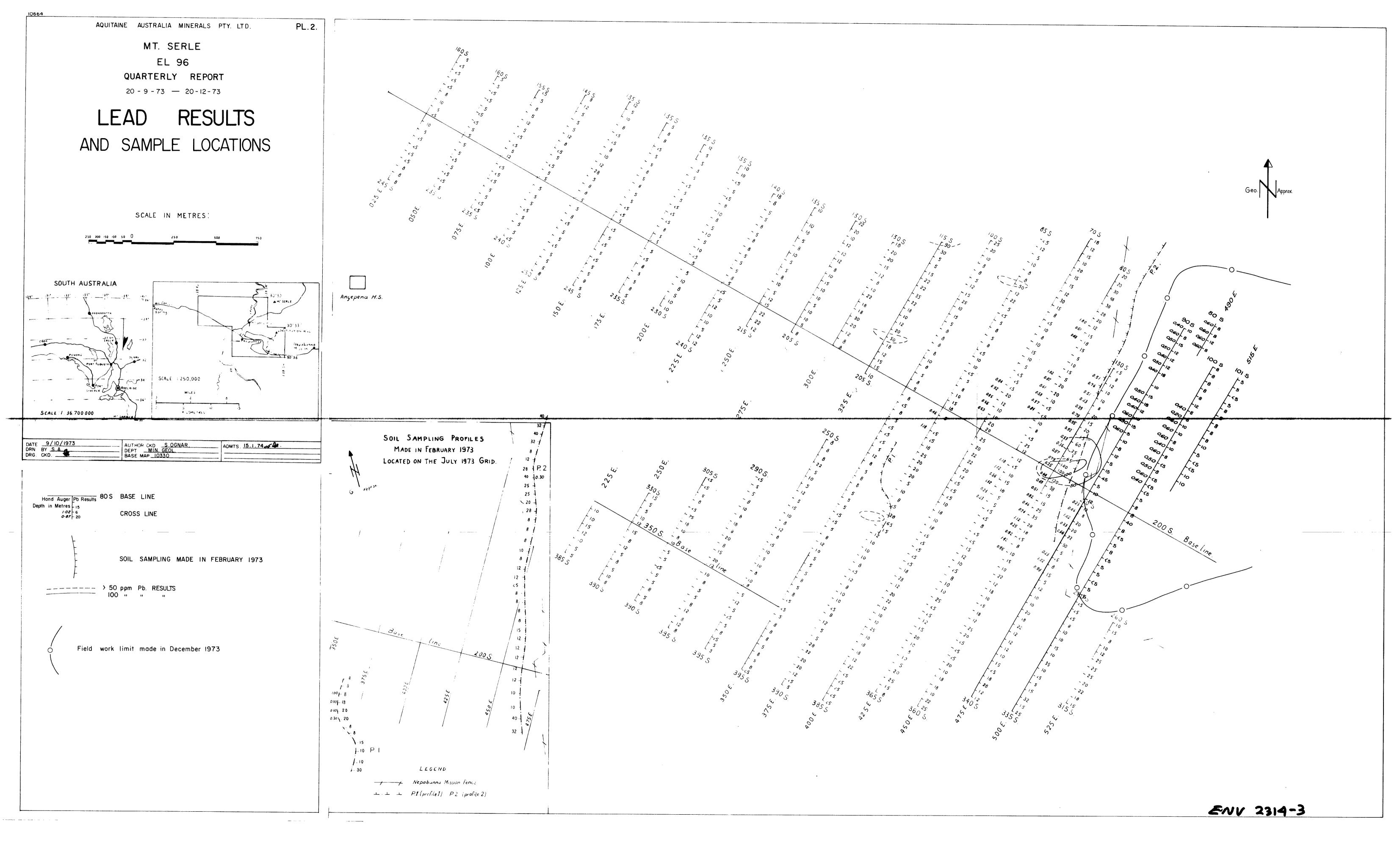
6. EXPENDITURE

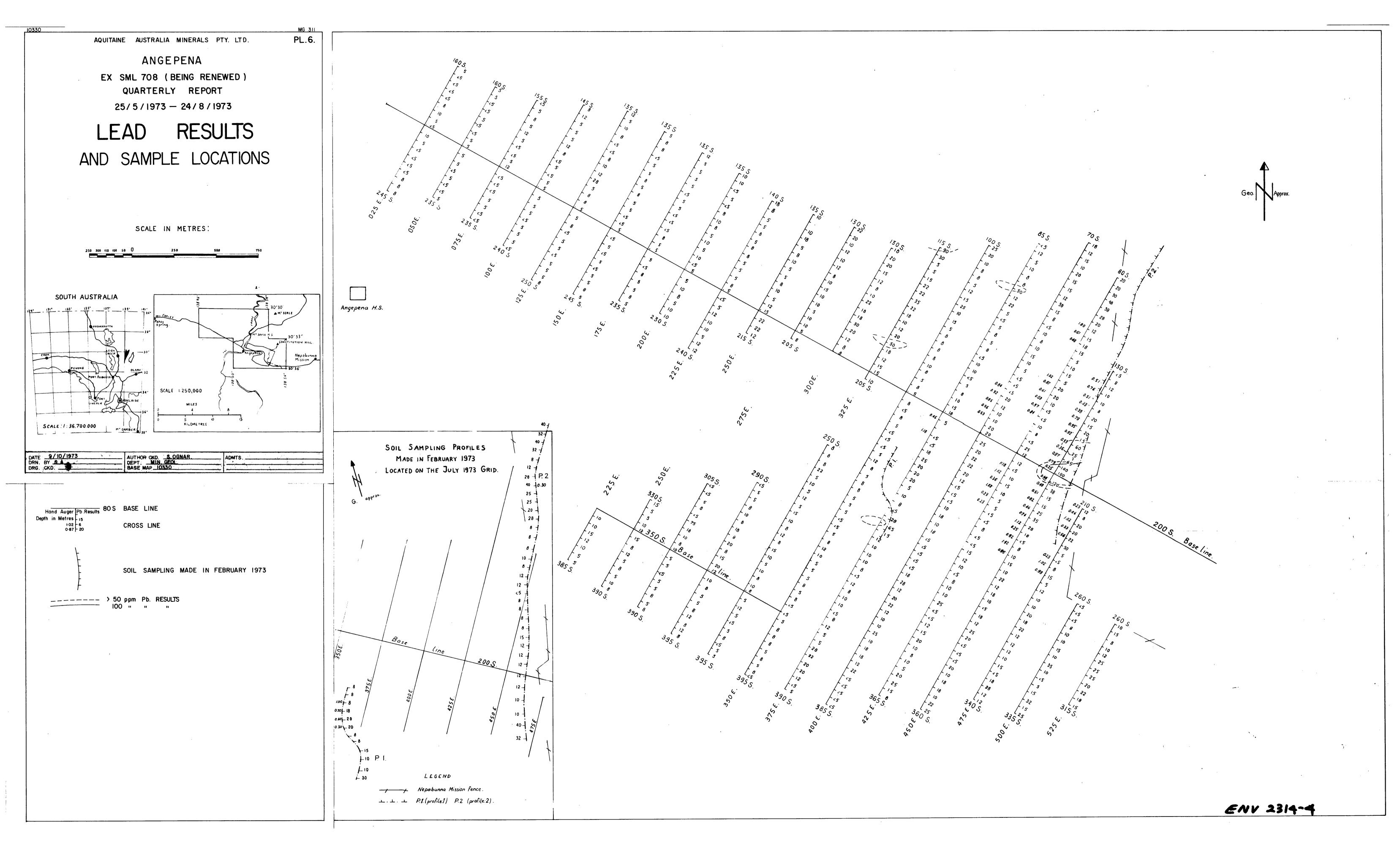
Expenditure recorded in our books for the period 1.6.73 to 31.8.73 amounted to \$557.54.

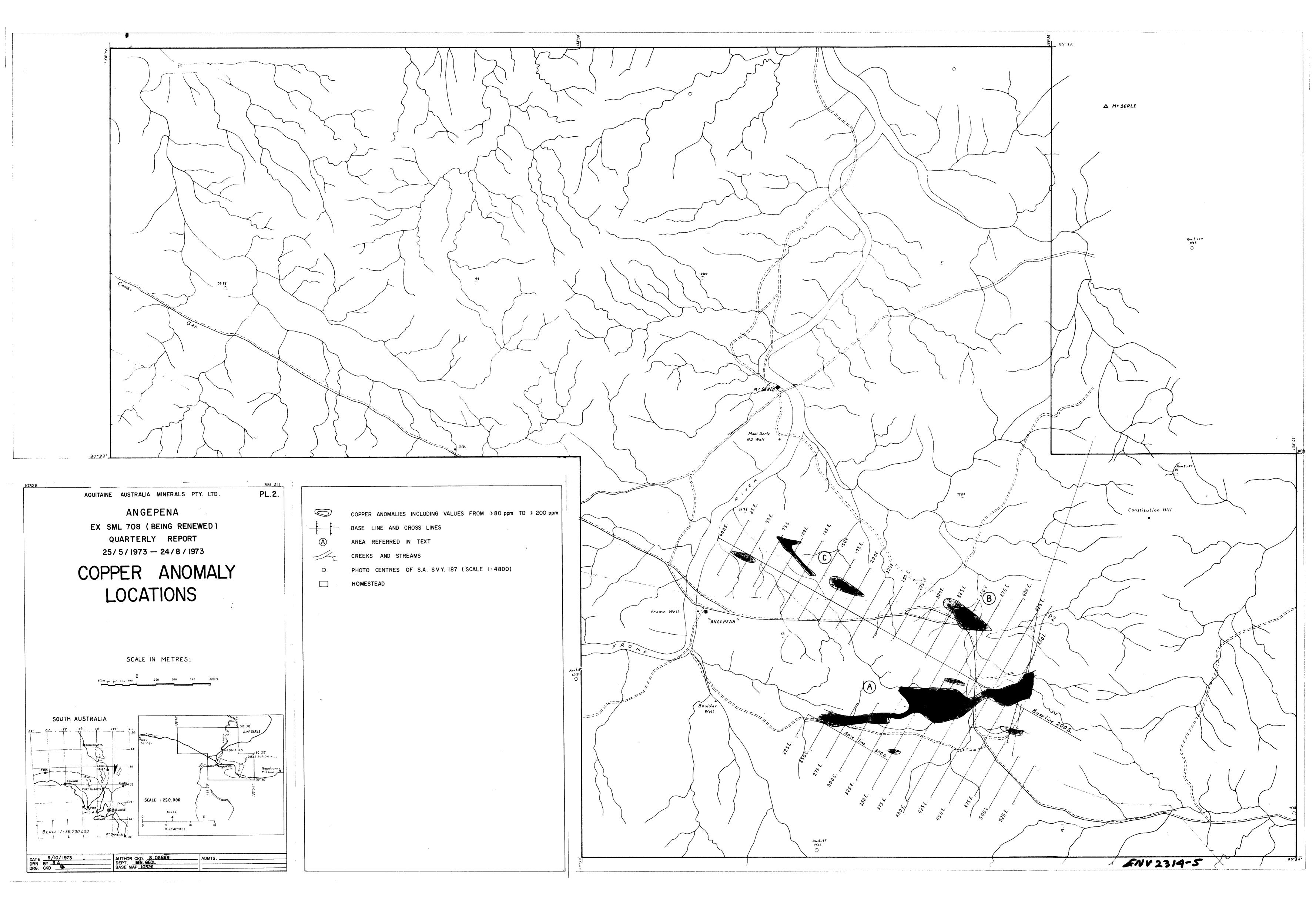
S. OGNAR

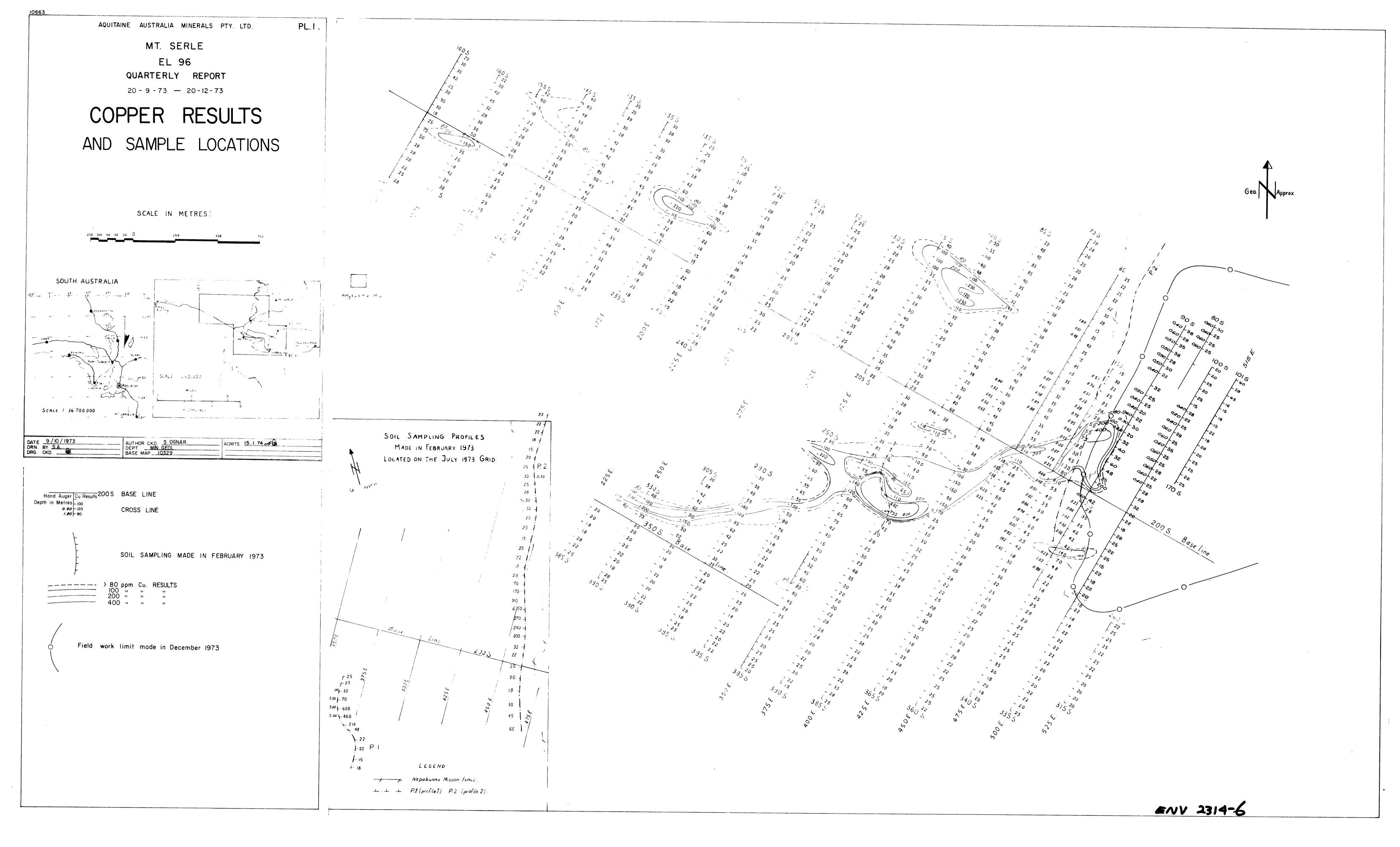


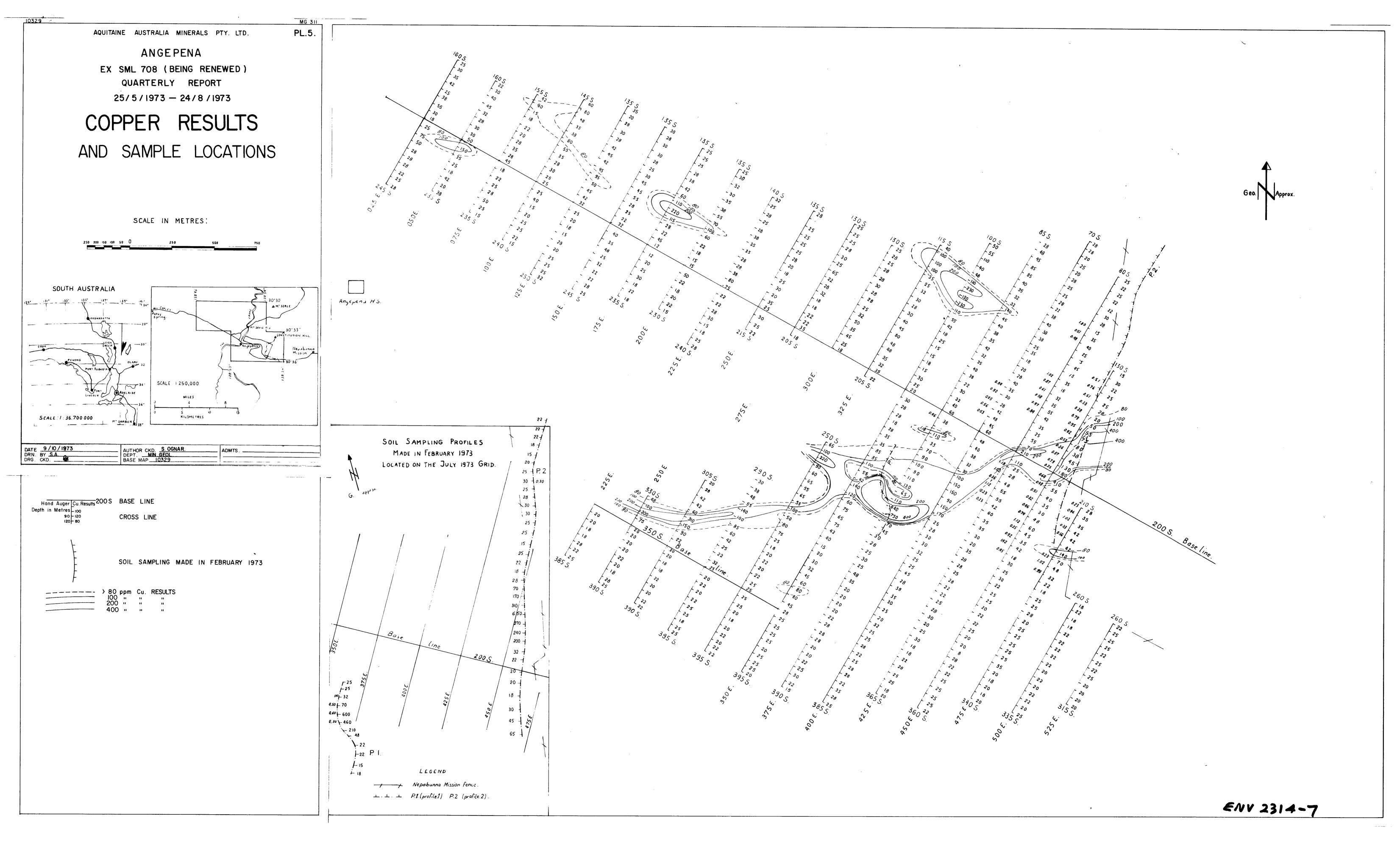


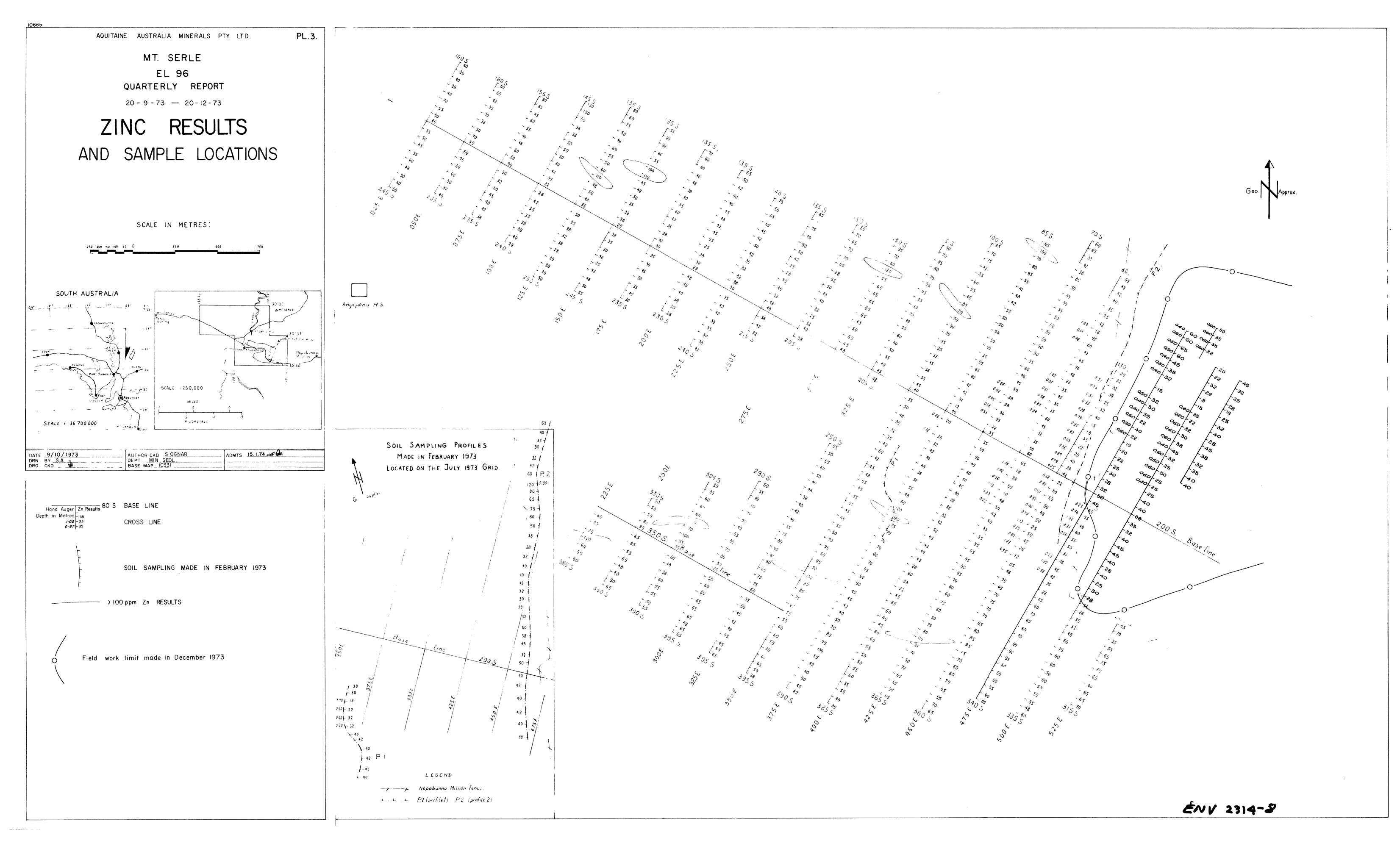


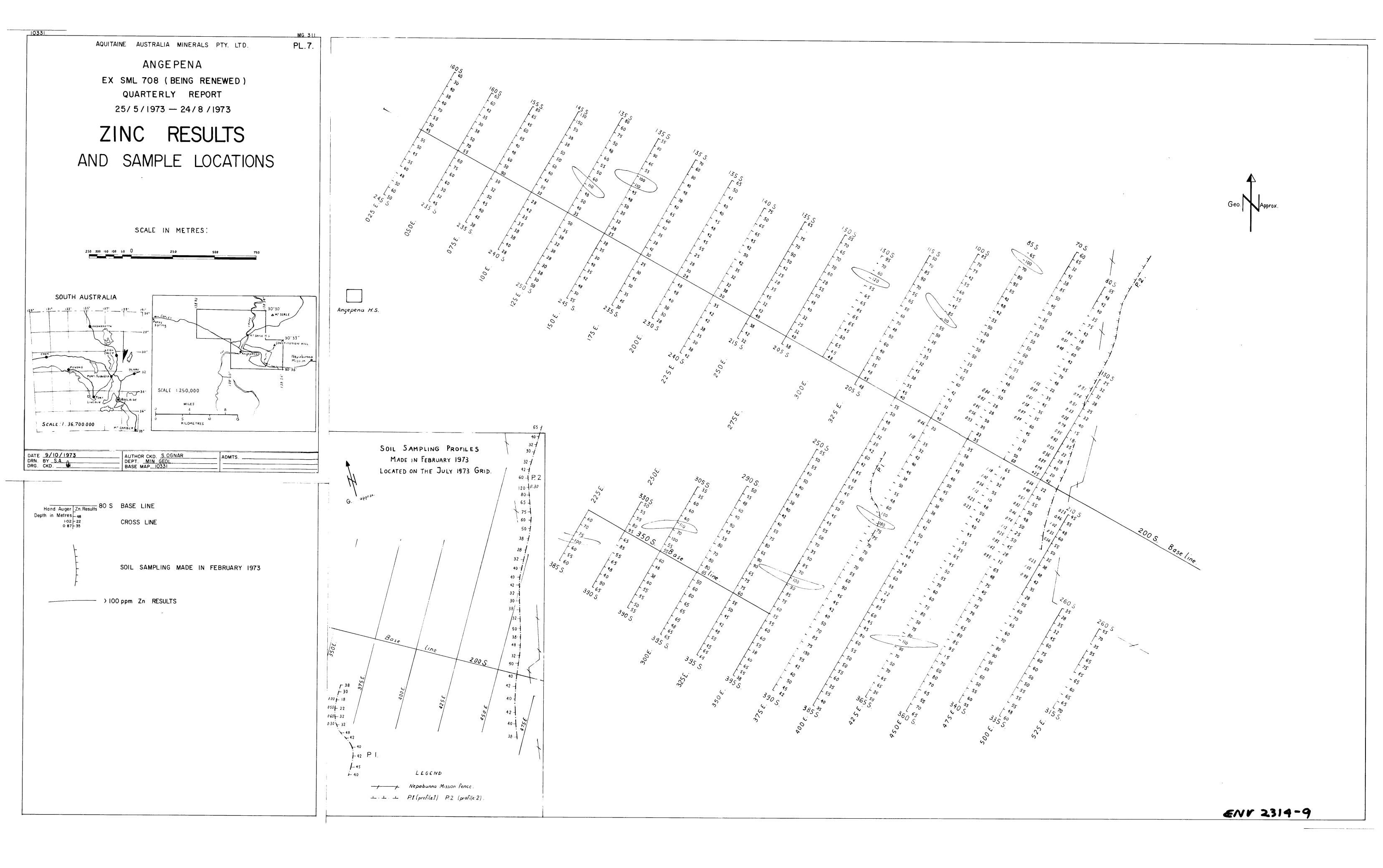


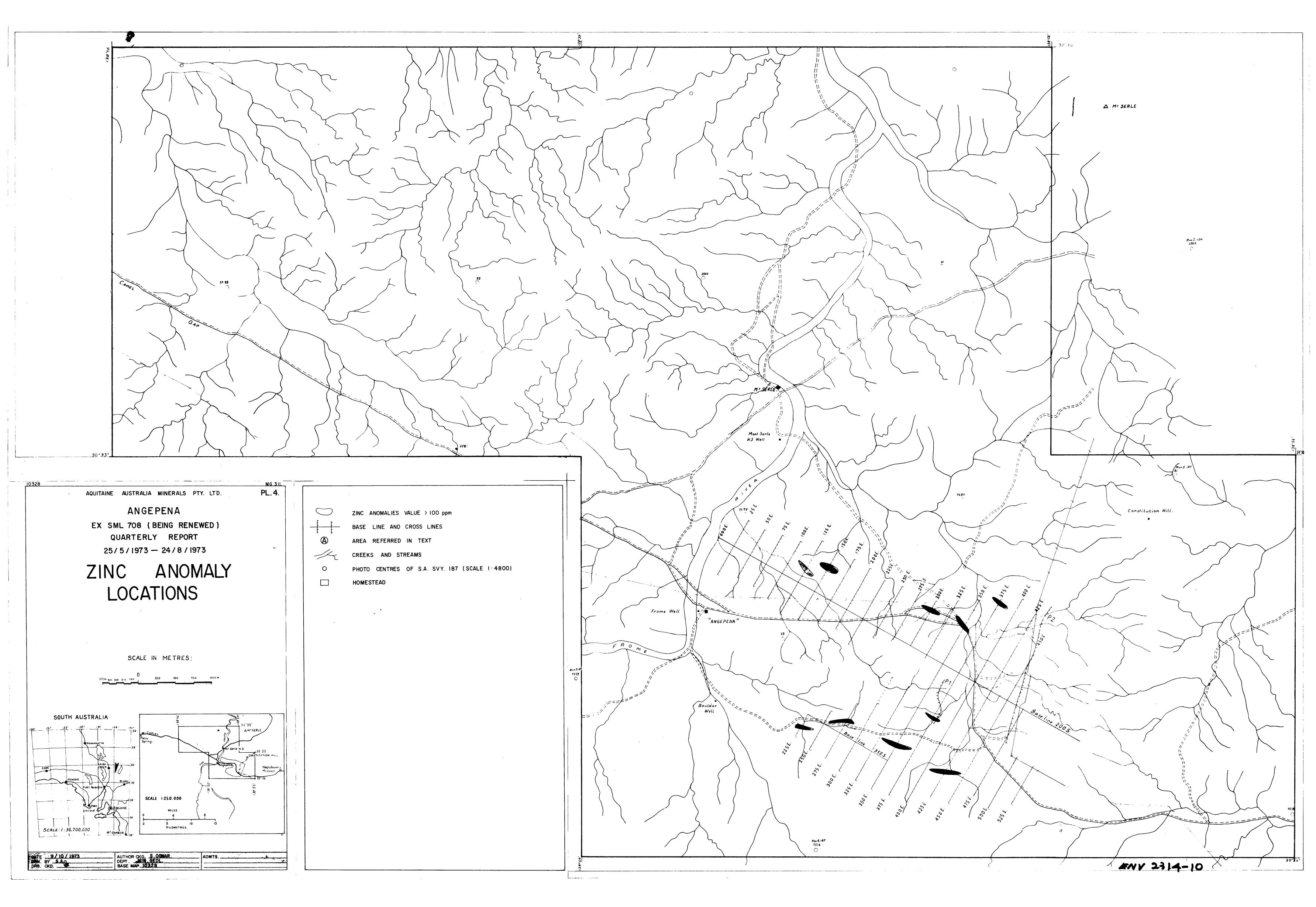












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AQUITAINE AUSTRALIA MINERALS PTY.LTD.

QUARTERLY REPORT

LEASE	: <u></u>	E.L.	96	DATE GRANTED: 20TH SEPTEMBER, 197	<u>'</u> 3
NAME	÷	'MT.	SERLE'	LOCATED :	_
FOR T	HE PE	RIOD	ENDED :	19TH DECEMBER, 1973.	

ABSTRACT

As proposed in the last Quarterly Report (MG 311), an additional programme of soil sampling was carried out on the north-eastern part of the copper anomaly delineated during the previous field work.

This anomaly has no extension in the north-eastern direction. With these discouraging results there is no further justification to continue the exploration programme on this area.

GEOCHEMICAL SURVEY

During December, 1973 five days were spent on E.L. 96, Mt. Serle' area, to extend the soil sampling grid already made during the previous field programme.

Seventy samples were taken, including twenty-eight auger drill samples and assayed for Cu, Pb and Zn.

The target was the eventual extension of the copper anomaly found in July, 1973, inside the Nepabuna mission property.

RESULTS

All results are reported on plates 1, 2 and 3 for Cu, Pb and Zn respectively.

. 4 "

Copper

Except for one result of 200 ppm, the copper anomaly cannot be seen to have any extension.

Lead

No significant lead results can be reported above background value.

Zinc

As for lead, all zinc results stay into the normal background.

CONCLUSIONS

From the above results it is concluded that the copper anomaly does not continue to the north-east and the lead and zinc results are background values only.

Consequently it is recommended that the area be relinquished.

EXPENDITURE

Expenditure recorded in our books for the period 1st September, 1973 to 31st December, 1973 amounted to \$10,037.48.

Oller G. Beskins

of B. BLANGY

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AQUITAINE AUSTRALIA MINERALS PTY.LTD.

QUARTERLY REPORT

LEASE	:	E.L.	96		DATE GR	ANTED:	20TH SEPTEMBER, 19	73
NAME	:	'MT.	SERLE'		LOCATED	:	e de la companya del companya de la companya de la companya del companya de la co	_
FOR TH	IE PEI	COTS	ENDED :	19TH MARCH	1974			

During the period no field work was undertaken as results from the previous geochemistry survey were not considered as warranting it.

Expenditure recorded in our books for the period (1st January to 31st March, 1974) amounted to \$718.27.

B. BLANGY



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AQUITAINE AUSTRALIA MINERALS PTY. LTD.

QUARTERLY REPORT

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FOR TH	E PEI	RIOD EN	DING:	19TH JUNE,	1974							

No field or office work was carried out during the quarter.

The Final Report on this E.L. is in preparation.

Expenditure recorded in our books for the quarter amounted to \$112.49.

Ph. ARTRU
ACTING EXPLORATION MANAGER



AQUITAINE AUSTRALIA MINERALS PTY LTD

QUARTERLY REPORT

LEASE : E.L. 96 (part B)

DATE GRANTED

SEPTEMBER 20, 1973

NAME

ANGEPENA

LOCATED

FOR THE PERIOD ENDING : QUARTER TO SEPTEMBER 20, 1974

No additional field work was carried out in the final quarter.

Our joint venture partners were advised on June 14 of Aquitaine's intention to withdraw from further exploration in E.L. 96 (part B) effective as of September 14, 1974, and consequently no extension of the licence is requested on our behalf.

Work carried out during the period of tenure consisted principally of geochemical soil prospecting. The results of this survey and related information were supplied to the Mines Department in Aquitaine Australia Minerals Report MG311 at the end of the first quarter.

Total expenditure was \$10,967.24.

R W. Fidler

for Ph. ARTRU

ACTING EXPLORATION MANAGER

RECEIVED

1 8 OCT 1974

DEPT. C. MINES

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