

97-4066

RELINQUISHMENT REPORT(PARTIAL)
EL 3/92 - ANGLO AUST RES.
R FULTON

Anglo Australian Resources
N.L.

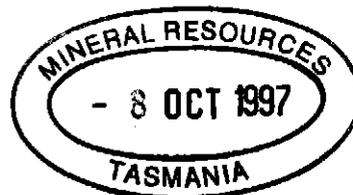
280001

Partial Relinquishment Report
September, 1997

OPEN FILE

EL 3/92
"THIRKELL HILL"

MICROFILMED
FICHE No.014426-Z7



97-4066

RELINQUISHMENT REPORT(PARTIAL)
EL 3/92 - ANGLO AUST RES.
R FULTON

Russell Fulton
September, 1997

Anglo Australian Resources N.L.

Partial Relinquishment Report September, 1997

EL 3/92 "THIRKELL HILL"

MINERAL RESOURCES	
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Russell Fulton
September, 1997

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1.0 EXPLORATION PHILOSOPHY

EL 3/92 - Thirkell Hill is located in western Tasmania, approximately 50 kilometres south of Queenstown. The tenement is underlain by the Mt. Read Volcanics, which to the north, host major mineral deposits at Mt. Lyell (100 Mt at 1.3% Cu and 0.4 g/t Au), Rosebery (20 Mt at 16% Zn, 5% Pb, 0.74% Cu, 155 g/t Ag and 2.9 g/t Au), Hellyer (17 Mt at 13% Zn, 6.8% Pb, 0.3% Cu, 160 g/t Ag and 2.3 g/t Au) and Henty (500,000 t at 30 g/t Au). Significant base metal and gold mineralisation has been located in the Mt. Read Volcanic Belt to the south of Thirkell Hill at Elliot Bay. Thirkell Hill exploration targets are polymetallic, volcanic hosted massive sulphide (Rosebery/Hellyer type), disseminated copper-gold (Mt. Lyell type) and structurally controlled, high-grade gold (Henty type).

Exploration conducted before Anglo Australian Resources had focused almost entirely on the base metal potential of the volcanics. Exploration had been of a regional reconnaissance nature using airborne E.M./magnetics, broadly spaced gradient-array I.P., soil (base metal assaying only) traverses, stream sediment sampling (almost entirely base metals only) and geological mapping. Anomalies defined by this work were followed up by hand held E.M. (max-min) and ground magnetics, closer spaced soil sampling and occasionally, more detailed mapping. No prospect had seen fixed loop E.M. surveys, dipole-dipole I.P. surveys or drilling of any kind.

Anglo Australian Resources exploration philosophy has been to carry out an evaluation of the gold potential of the tenement using pan concentrates and various soil/bedrock sampling techniques including auger sampling, "wacker" sampling and Huminex sampling. The Huminex method is a technique for testing the gold and base metal content (present as metal humates) in the humic acid rich A-horizon peats which develop in the cool humid climate of western Tasmania, including the Thirkell Hill area. Because of intense leaching by humic acids, B-horizon soils tend to return low absolute metal values in western Tasmania and well-developed gossans are unlikely to develop.

The work of Anglo Australian Resources and previous explorers has defined 21 prospective zones. Although the tenement is due for 50% reduction in September 1997, the reduced area still contains 14 prospective zones of which only one has been drill tested.

Thirkell Hill is the most under explored part of the Mt. Read Volcanics and the potential for locating major base metal and/or gold mineralisation is excellent.

2.0 EXPLORATION UNDERTAKEN ON THE RELINQUISHED AREA

Very little exploration has been carried out in the areas to be relinquished. Some power augering was carried out at the Old Camp Grid (figures 17, 18, and 19) with disappointing results. Panned concentrates were taken as follows: ideally, two full pans were sampled from good bedrock trap sites with bedrock cracks cleaned out using an Alvey bait pump, however many smaller streams had less than optimal sites. Assay results and locations are shown in figures 6 and 7. Four Huminex samples were taken, the method involving the collection of about 1 kilogram of black peat and analysis for gold and base metals at the Mineral Resources Tasmania laboratories. Values are reported as nanograms of metal per gram of carbon, the metal assumed to be present as a metal humate (figures 12 and 13).

3.0 WORK UNDERTAKEN DURING THE FINAL REPORTING PERIOD

No work was undertaken during the final reporting period.

4.0 MINERALISATION IN THE RELINQUISHMENT AREA

As noted in the section on exploration philosophy, the Thirkell Hill area is considered to be prospective for a variety of deposit types reported from the Mt. Read Volcanics to the north, and these are; polymetallic, volcanic hosted massive sulphide (Rosebery/Hellyer type); disseminated copper-gold (Mt. Lyell type); and structurally controlled, high-grade gold (Henty type).

Anglo Australian Resources NL has identified six prospective zones in the area to be relinquished, based on a review of work undertaken by Union Oil and Geopeko. As no work has been done to follow up on these targets, a discussion on the nature of any possible mineralisation would be speculative.

The prospective zones are as follows:

- 1. Hales River Northwest [387700E, 5271700N]**
 - Weakly anomalous Pb in soils.

- 2. Sprent River West [388000E, 5276500N to 388200E, 5278000N]**
 - Erratic stream geochemistry.
 - Pb anomalous soils
 - Dighem EM anomaly.
 - Upstream of a pan concentrate Au anomaly.

- 3. Sprent River East [386800E, 5276100N to 387000E, 5277800N]**
 - Weakly Pb anomalous soils.
 - Upstream of a pan concentrate Au anomaly.

- 4. Sprent River South [387700E, 5277500N to 387800E, 5276000N]**
 - Anomalous Cu in soils.

- 5. Viking 4 [387000E, 52803770N]**
 - Turair EM anomaly.
 - VLF-EM inconclusive.

- 6. D'Aguilar East [387400E, 5284000N to 387900E, 5280200N]**
 - several Scintrex and Georex airborne EM anomalies.

5.0 CONSTRUCTION WORK AND REHABILITATION

No construction of tracks, costeans or drill pads has been undertaken in the area to be relinquished and so no rehabilitation has been carried out.

6.0 BIBLIOGRAPHY

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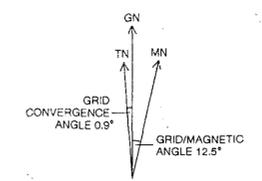
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5 281 000mN

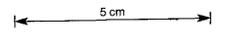
5 280 000mN

5 279 000mN

280010



- TENEMENT BOUNDARY
- CONTOUR Cl=50m
- - - TRACK
- DRAINAGE
- SOIL SAMPLE LOCATION (HUMINEX A-HORIZON)
- ◊ STREAM SEDIMENT SAMPLE LOCATION (PAN CON) AND ASSAY RESULT (Au in ug) (1993-94 SURVEY) VG = VISIBLE GOLD
- 12 ◊ STREAM SAMPLE LOCATION, (PANCON) 1992-93 SURVEY AND ASSAY RESULT (Au in ug), VG = VISIBLE GOLD
- ◊ * ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (Au in ppb)

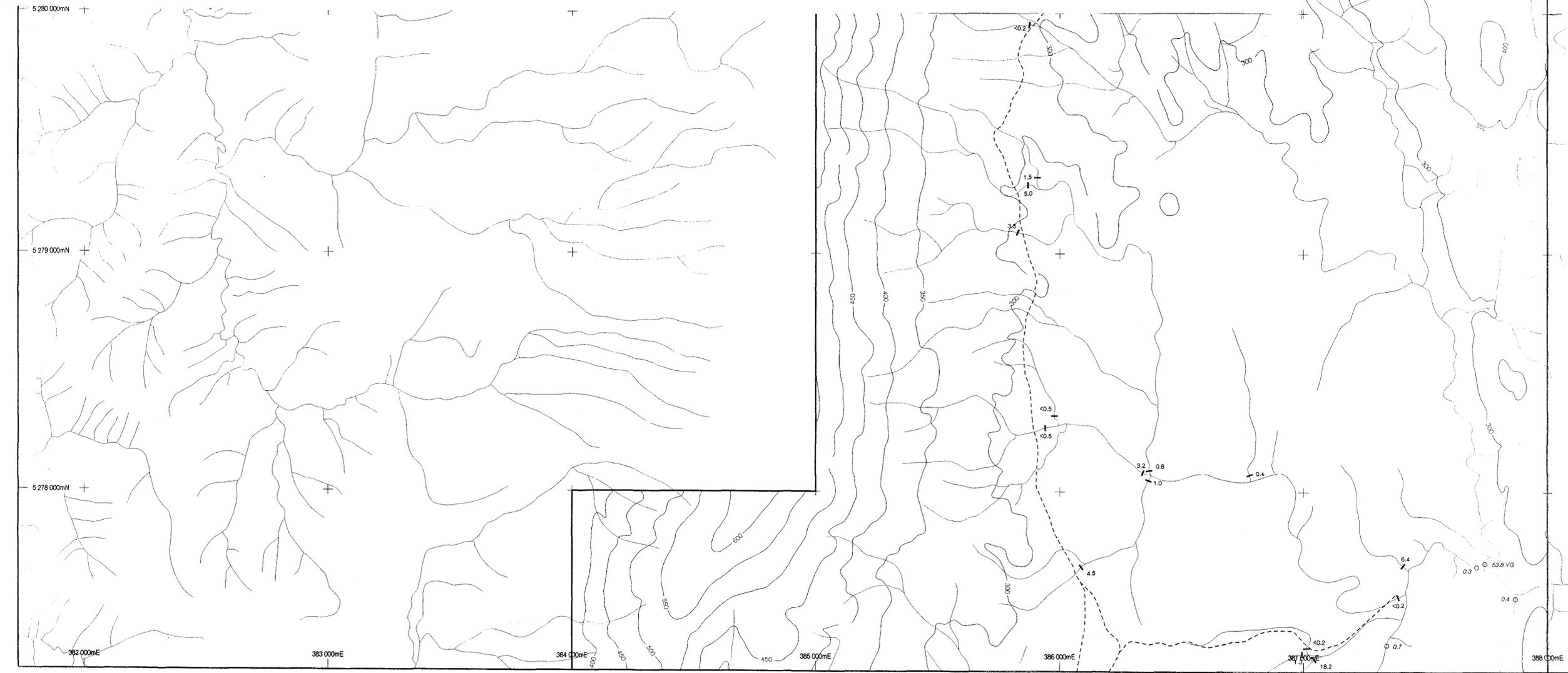


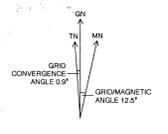
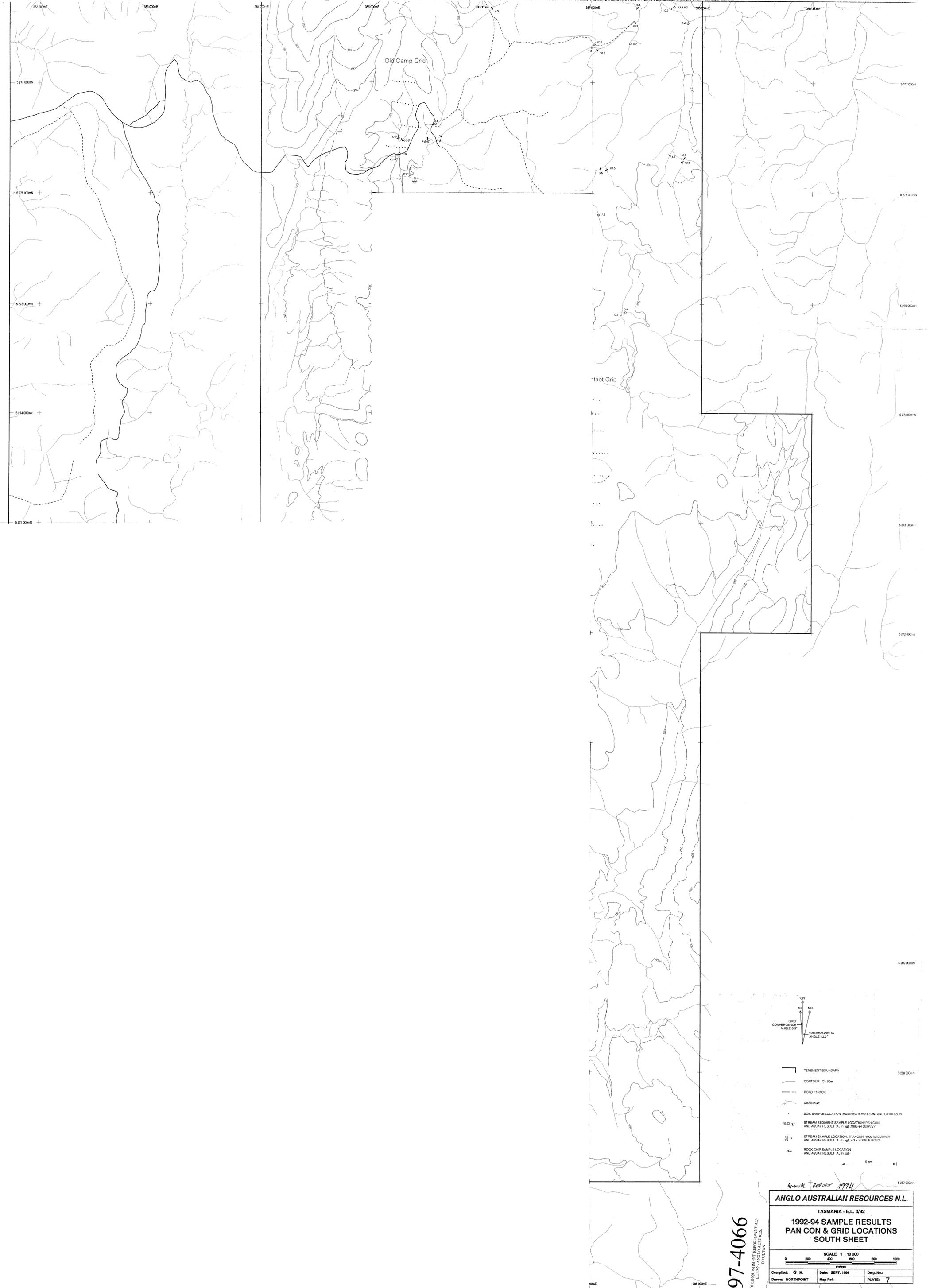
Annual Report 1994

ANGLO AUSTRALIAN RESOURCES N.L.		
TASMANIA - E.L. 3/92		
1992-94 SAMPLE RESULTS PAN CON & GRID LOCATIONS NORTH SHEET		
SCALE 1 : 10 000		
Compiled: G M.	Date: SEPT. 1994	Dwg. No.:
Drawn: NORTHPOINT	Map Ref:	PLATE: 6

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- TENEMENT BOUNDARY
- CONTOUR (1:50m)
- ROAD / TRACK
- DRAINAGE
- SOIL SAMPLE LOCATION (HUMINEX A-HORIZON AND CHORIZON)
- 0.2' STREAM SEDIMENT SAMPLE LOCATION (PAN CON) AND ASSAY RESULT (Au in ug) (1993-94 SURVEY)
- 0.2' STREAM SAMPLE LOCATION (PANCON) 1993-93 SURVEY AND ASSAY RESULT (Au in ug), VG = VISIBLE GOLD
- ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (Au in ppm)

5 cm

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TASMANIA - E.L. 3/92

**1992-94 SAMPLE RESULTS
PAN CON & GRID LOCATIONS
SOUTH SHEET**

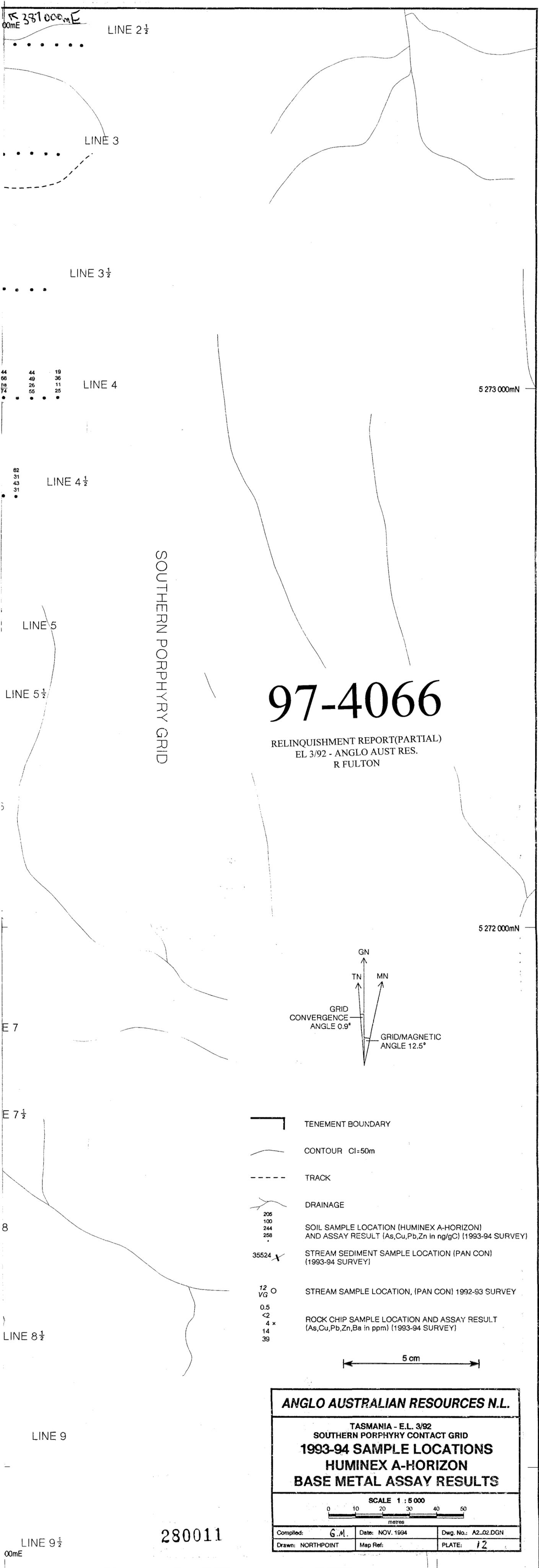
SCALE 1 : 10 000

0 200 400 600 800 1000 metres

Compiled: G. M. Date: SEPT. 1994 Dwg. No.:
 Drawn: NORTHPOINT Map Ref: PLATE: 7

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E.L. 3/92 - ANGLO AUSTRALIAN RES.
R. FULTON



387000mE
00mE

LINE 2 1/2

LINE 3

LINE 3 1/2

LINE 4

5 273 000mN

LINE 4 1/2

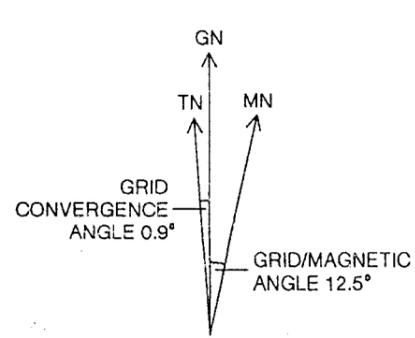
SOUTHERN PORPHYRY GRID

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5 272 000mN

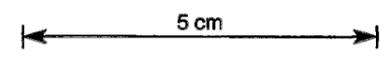
E 7



E 7 1/2

- TENEMENT BOUNDARY
- CONTOUR CI-50m
- TRACK
- DRAINAGE
- SOIL SAMPLE LOCATION (HUMINEX A-HORIZON) AND ASSAY RESULT (As,Cu,Pb,Zn in ng/gC) (1993-94 SURVEY)
- STREAM SEDIMENT SAMPLE LOCATION (PAN CON) (1993-94 SURVEY)
- STREAM SAMPLE LOCATION, (PAN CON) 1992-93 SURVEY
- ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (As,Cu,Pb,Zn,Ba in ppm) (1993-94 SURVEY)

LINE 8 1/2



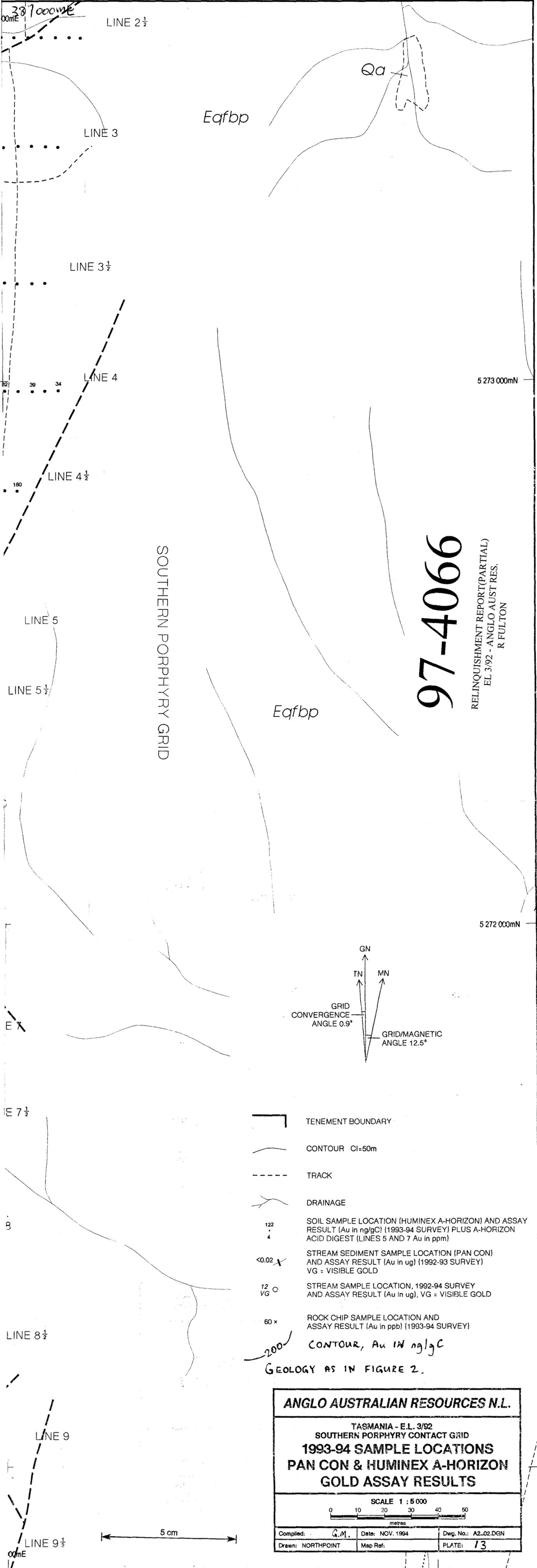
LINE 9

ANGLO AUSTRALIAN RESOURCES N.L.		
TASMANIA - E.L. 3/92 SOUTHERN PORPHYRY CONTACT GRID 1993-94 SAMPLE LOCATIONS HUMINEX A-HORIZON BASE METAL ASSAY RESULTS		
SCALE 1 : 5 000 0 10 20 30 40 50 metres		
Completed: G.M.	Date: NOV. 1994	Dwg. No.: A2_02.DGN
Drawn: NORTHPOINT	Map Ref:	PLATE: 12

280011

LINE 9 1/2
00mE

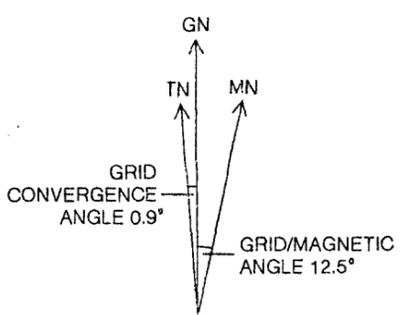
387000mE



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SOUTHERN PORPHYRY GRID



- TENEMENT BOUNDARY
 - CONTOUR Cl=50m
 - TRACK
 - DRAINAGE
 - SOIL SAMPLE LOCATION (HUMINEX A-HORIZON) AND ASSAY RESULT (Au in ng/gC) (1993-94 SURVEY) PLUS A-HORIZON ACID DIGEST (LINES 5 AND 7 Au in ppm)
 - STREAM SEDIMENT SAMPLE LOCATION (PAN CON) AND ASSAY RESULT (Au in ug) (1992-93 SURVEY)
VG = VISIBLE GOLD
 - STREAM SAMPLE LOCATION, 1992-94 SURVEY AND ASSAY RESULT (Au in ug), VG = VISIBLE GOLD
 - ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (Au in ppb) (1993-94 SURVEY)
 - CONTOUR, Au IN ng/gC
- GEOLOGY AS IN FIGURE 2.

ANGLO AUSTRALIAN RESOURCES N.L.		
TASMANIA - E.L. 3/92 SOUTHERN PORPHYRY CONTACT GRID		
1993-94 SAMPLE LOCATIONS PAN CON & HUMINEX A-HORIZON GOLD ASSAY RESULTS		
SCALE 1 : 5 000		
Compiled: G.M.	Date: NOV. 1994	Dwg. No.: A2-02.DGN
Drawn: NORTHPOINT	Map Ref:	PLATE: 13

387000 mE

280011A

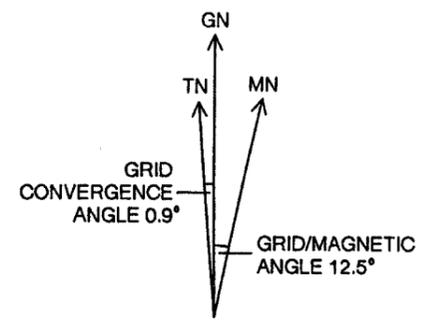
385 400mE

Old Camp Grid

5 277 000mN

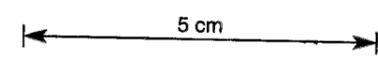
EOsh

EOvc



- TENEMENT BOUNDARY
 - CONTOUR Cl=50m
 - TRACK
 - DRAINAGE
 - SOIL SAMPLE LOCATION (C-HORIZON) AND ASSAY RESULT (Au in ppm) (1993-94 SURVEY)
 - STREAM SEDIMENT SAMPLE LOCATION (PAN CON) AND ASSAY RESULT (Au in ug) (1993-94 SURVEY) VG = VISIBLE GOLD
 - STREAM SAMPLE LOCATION, 1992-93 SURVEY (PAN CON) AND ASSAY RESULT (Au in ug), VG = VISIBLE GOLD
 - ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (Au in ppb) (1993-94 SURVEY)
- Geology as for figure 2.

5 276 500mN



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ANGLO AUSTRALIAN RESOURCES N.L.		
OLD CAMP GRID		
1993-94 SAMPLE LOCATIONS PAN CON AND C HORIZON GOLD ASSAY RESULTS		
SCALE 1 : 2 500		
Compiled: GM	Date: NOV. 1994	Dep. No.: AS.L00LDGN
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385 400mE

Old Camp Grid

5 277 000mN

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•	•	•	•	•	•	•	•	•	•	•
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0.7
1.4
0.7
1.8

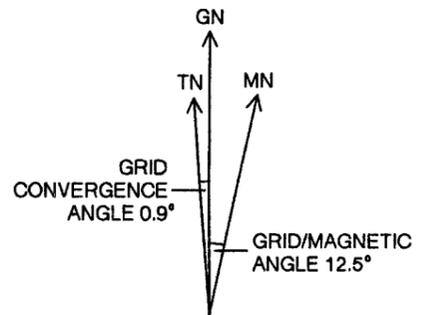
ASSAY RESULT As, Cu, Pb & Zn

2.5
3
6
32
643

ASSAY RESULT As, Cu, Pb, Zn & Ba (ppm)

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- TENEMENT BOUNDARY
- CONTOUR Cl=50m
- TRACK
- DRAINAGE
- SOIL SAMPLE LOCATION (C-HORIZON) AND ASSAY RESULT (As,Cu,Pb,Zn in ppm) (1993-94 SURVEY)
- STREAM SEDIMENT SAMPLE LOCATION (PAN CON) (1993-94 SURVEY)
- ROCK CHIP SAMPLE LOCATION AND ASSAY RESULT (As,Cu,Pb,Zn,Ba in ppm) (1993-94 SURVEY)

5 276 500mN

5 cm

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ANGLO AUSTRALIAN RESOURCES N.L.

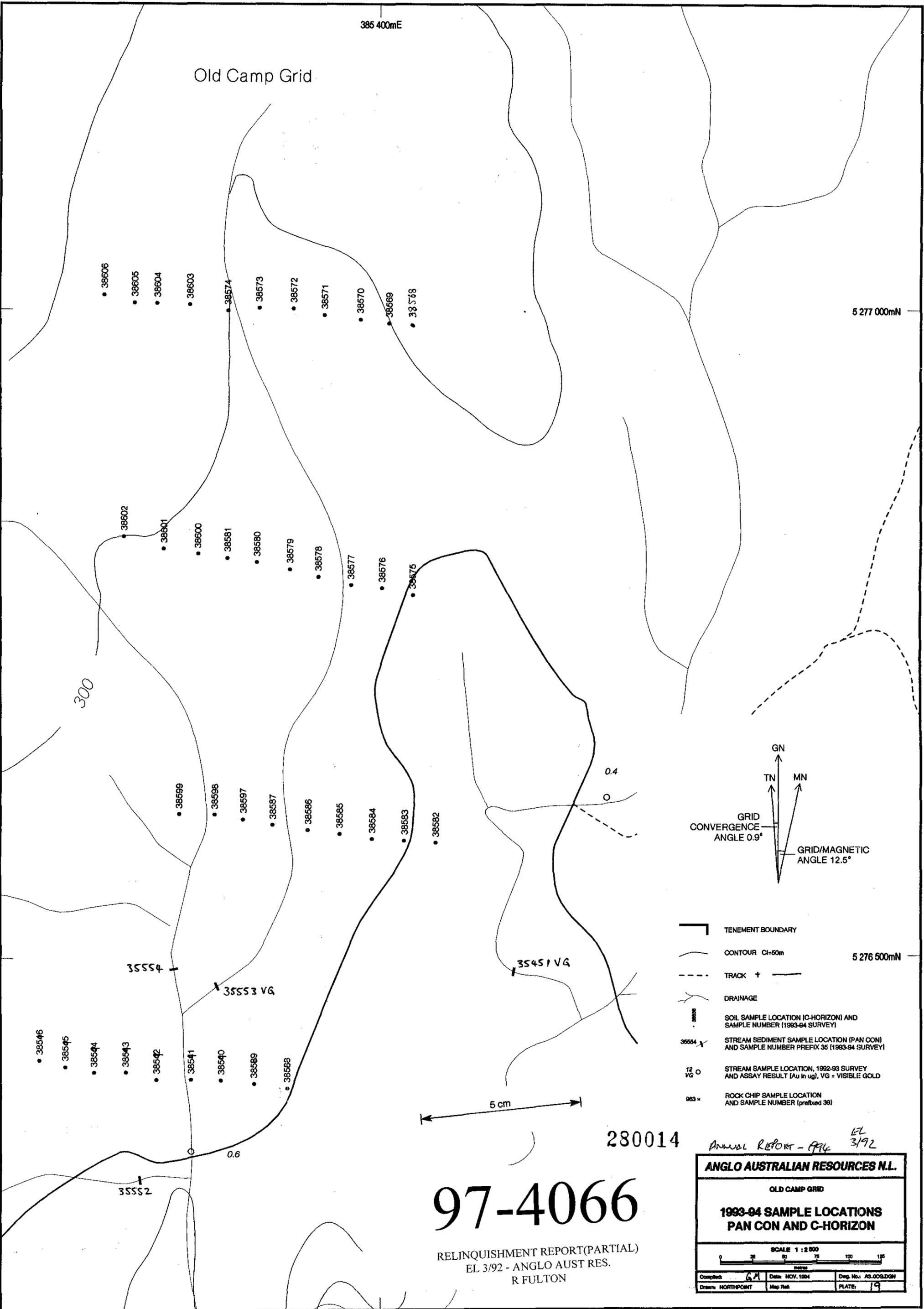
OLD CAMP GRID
1993-94 SAMPLE LOCATIONS
C-HORIZON
BASE METAL ASSAY RESULTS

SCALE 1 : 2 500

0 25 50 75 100 125
metres

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Drawn: NORTHPOINT	Map Ref:	PLATE: 18

280013



- TENEMENT BOUNDARY
- CONTOUR Cl=50m
- TRACK +
- DRAINAGE
- SOIL SAMPLE LOCATION (C-HORIZON) AND SAMPLE NUMBER (1993-94 SURVEY)
- STREAM SEDIMENT SAMPLE LOCATION (PAN CON) AND SAMPLE NUMBER PREFIX 35 (1993-94 SURVEY)
- STREAM SAMPLE LOCATION, 1992-93 SURVEY AND ASSAY RESULT (Au in ug), VG = VISIBLE GOLD
- ROCK CHIP SAMPLE LOCATION AND SAMPLE NUMBER (prefixed 993)

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ANGLO AUSTRALIAN RESOURCES N.L.		
OLD CAMP GRID		
1993-94 SAMPLE LOCATIONS PAN CON AND C-HORIZON		
SCALE 1 : 2 500		
Compiled: <i>GM</i>	Date: NOV. 1994	Dep. No.: AS-009.DGN
Drawn: NORTHPOINT	Map Ref:	PLATE: 19