

ANGLOGOLD AUSTRALASIA LIMITED

SIXTH ANNUAL REPORT FOR
UNION CONSOLIDATED – SEL 8497
FOR THE YEAR ENDING 19TH APRIL, 2000

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Report No: 08.10607

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Date: April 2000

Copy No: 1

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SUMMARY

AngloGold Australasia Limited is currently exploring Substitute Exploration License (SEL) 8497 - Union Consolidated. The license is approximately 250 km south of Darwin and 2 km west of AngloGold's 100% owned Union Reefs Gold Mine in the Pine Creek district of the Northern Territory.

Due to the uncertainties associated with the attempted takeover of Acacia by Delta Gold, and the subsequent takeover of Acacia by AngloGold, exploration was concentrated on immediately definable resources. To allow this, the exploration budget for less advanced projects was cut. As a result the proposed exploration work at Union Consolidated in this period was cancelled.

Rehabilitation work, a small aeromagnetic/radiometric survey and a geological interpretation were all completed in the relinquished portion of the tenement within the reporting period.

CONTENTS

SUMMARY	2
CONTENTS	3
LIST OF FIGURES	4
LIST OF APPENDICES	4
1 INTRODUCTION	5
2 TENEMENT STATUS	5
3 LOCATION & ACCESS	5
4 GEOLOGY	5
5 PREVIOUS WORK	6
6 WORK COMPLETED FOR THE PERIOD ENDING 19 APRIL 1999	7
7 ENVIRONMENTAL	7
8 EXPENDITURE FOR THE PERIOD ENDING 19TH APRIL 2000	8
9 PROPOSED PROGRAM AND EXPENDITURE FOR UNION CONSOLIDATED PERIOD ENDING 19TH APRIL 2001	8
10 REFERENCES	9

LIST OF FIGURES

Figure 1	Union Consolidated SEL 8497 Tenement Location	1:200,000
Figure 2	Union Consolidated SEL Regional Geology	1:200,000
Figure 3	Aeromagnetic Image, With Rehabilitated Grid Lines	1:10, 000
Figure 4	Total Count Radiometrics	1:10, 000
Figure 5	Geological Interpretation	1:10, 000
Figure 6	Aeromagnetic Survey Flight Lines	1:10, 000
Figure 7	Aeromagnetic Survey Contours	1:10, 000

LIST OF APPENDICES

Appendix 1	Environmental Register
Appendix 2	Geophysical Survey Specifications

1. INTRODUCTION

AngloGold is currently exploring Substitute Exploration License (SEL) 8497 - "Union Consolidated", situated approximately 225 km south of Darwin (Figure 1).

This report details exploration undertaken for the period ending 19th April, 2000 for Union Consolidated.

2. TENEMENT STATUS

Union Consolidated was granted to Acacia Resources Limited (previously the Shell Company of Australia), on the 20th April 1994 for a period of 3 years. This license incorporated previous exploration licenses 7369, 7518, 7757, 7813 and 7814 and comprised 23 blocks. The license was reduced to 17 blocks in March 1995, and a further 7 blocks were relinquished in January, 1999, as detailed below (Figure 1):

Blocks relinquished:	Map No. 14/6-1V	24/50, 24-25/51, 25/52, 25/53
	Map No. 14/6-1	26-27/54

Blocks retained:	Map No. 14/6-1	26-27/55
	Map No. 14/6-11	27-29/56, 28-29/57, 29-30/58,30/59

The license was due to expire on the 19th April 1997, and a renewal was granted for a further two years. Acacia Resources submitted a second renewal application for the remaining 10 blocks in February 1999.

Acacia Resources were taken over by AngloGold Australasia Limited in late 1999.

Exploration activities within the lease are covered by AAPA certificate C98/149, due to expire on 18 December, 2000.

3. LOCATION & ACCESS

The centre of the lease is situated approximately 20km northwest of Pine Creek (Figure 1). It adjoins the western boundary of MLN 1109, which includes AngloGold's Union Reefs Gold Mine. The license area runs parallel to the Stuart Highway and may be accessed via a number of sealed and unsealed roads and tracks branching off the highway.

4. GEOLOGY

Union Consolidated is located in the central portion of the Pine Creek Geosyncline. The geosyncline contains Early Proterozoic metasedimentary rocks resting on a gneissic and granitic Archaean basement (Figure 2). The metasediments represent a preserved basinal sequence up to 14km thick (Needham et al., 1980). These rocks were tightly folded and metamorphosed to greenschist facies (in some places amphibolite) at about 1890 to 1870 Ma (Ferguson, 1980).

Transitional igneous rocks including predeformational dolerite lopoliths and dykes and post deformational granites intrude the geosynclinal sequence. Largely undeformed platform cover of Middle and Late Proterozoic, Cambro-Ordovician and Mesozoic strata rest on these with marked unconformity.

Union Consolidated incorporates tightly folded, northwest trending phyllite, chert and banded iron siltstones of Mount Bonnie Formation and interbedded greywacke and siltstone of Burrell Creek Formation. Outcrop is prevalent in the northern portion of the lease, and the southern portion of the leases is characterised by shallow cover and deeper weathering.

Dolerite dykes have intruded Mt Bonnie Formation at a low angle to bedding, and portions of the Cullen Batholith. The McMinns Bluff and Table Top granites outcrop on the western margin of the leases.

5. PREVIOUS WORK

Exploration completed by Acacia since the granting of Union Consolidated in 1994 is summarised below.

1994/95 - Report No. 08.7521

- 54 line km of gridding and 1250 soil samples
- 35 stream sediment samples
- mapping and air photo interpretation of gridded areas

1995/96 - Report No. 08.7970

- 10 line km of gridding and 490 soil samples
- mapping in the south western areas of the tenement
- purchased and reprocessed multiclient aeromagnetic data
- compilation of previous work

1996/97 - Report No. 08.8762

- 5.6 line km of new gridding and 2.25 line km of re-gridding
- 151 soil samples
- post hole RAB drilling for a total of 358m in 90 drill holes
- detailed 1:5000 scale geological mapping of the eastern margin of the tenement adjacent to MLN 1109
- colour aerial photography survey over the entire tenement area
- reprocessing of multi-client aeromagnetic and radiometric data
- digital elevation modelling of SEL 8497 tenement area

1997/98 - Report No. 08.9604

- 35.6 line km of gridding in the northern half of the lease, in preparation for auger sampling.
- 348 hand and auger soil samples in the central portion of the lease.
- The eastern portions of Union Consolidated was incorporated in a detailed aeromagnetic and radiometric survey.

1998/99 - Report No. 08.10038

- 11.6line km of crossline gridding in the south of the tenement.
- 1,247 soil samples taken from three areas;
 1. Infill on the boundary between Union Consolidated and SEL 7984(Elizabeth)
 2. 400m spaced sampling in the north of the lease.
 3. Sampling targeting interpreted anticlinal structures in the south of the lease.

6. WORK COMPLETED BY ACACIA AND ANGLOGOLD FOR THE PERIOD ENDING 19 APRIL 2000

A detailed aeromagnetic/radiometric survey was completed over Acacia's tenements to the north of Union Consolidated in early 1999. This survey overlapped the northern most part of Union Consolidated, relinquished in February 1999 (see Figures 3,4,6&7).

A geological interpretation was completed for the northern Pine Creek area following the completion of the aeromagnetics. This interpretation also overlapped the relinquished portion of Union Consolidated (Figure 5).

The only field work completed during the field season was removal of approximately 36 line km of gridding. This work consisted of the removal of all stainless steel droppers from the relinquished portion of the tenement (Figure 3).

Uncertainties arising from an attempted takeover of Acacia by Delta Gold, and the subsequent takeover of Acacia by AngloGold, meant that the focus of exploration shifted to immediately provable resources. Expenditure to less advanced projects was cut to accommodate this shift. As a result, no ground exploration was carried out in the lease.

7. ENVIRONMENTAL

As only rehabilitation was carried out in the tenement in the reporting period, no environmental disturbance was caused.

An Environmental Register has been compiled for all previous and current exploration disturbances carried out in the license area and is provided in Appendix 1.

8. EXPENDITURE FOR THE PERIOD ENDING 19TH APRIL 2000

Expenditure at Union Consolidated for the reporting period was \$29,200, which fell short of the covenant of \$55,000. A break down is given below:

Staffing	\$14,824
Support	\$3,116
Consumables	\$2,050
Consultants	\$2,905
Vehicles	\$2,489
Tenement	\$3
Administration	\$3,808
TOTAL	<u>\$29,200</u>

9. PROPOSED PROGRAM AND EXPENDITURE FOR UNION CONSOLIDATED PERIOD ENDING 19TH APRIL 2001

The completed takeover of Acacia by AngloGold in late 1999 means that exploration will again focus on near mine exploration. As a result, substantial work is planned at Union Consolidated.

The work planned for the period ending 19th April 2001 includes reconnaissance and rockchip sampling in the southern portion of the lease. Vacuum drilling is planned in areas of previous auger sampling to verify that the sampling was effective. There is some cover and leached residual profiles in the south of the lease, and auger sampling may have not been deep enough to effectively sample this area. Costeaning and further drilling may be conducted as follow-up.

Staffing/Support	\$17,000
Assays	\$20,000
Drilling	\$30,000
Earthworks	\$2,000
Surveying/Access	\$1,000
Rehabilitation	\$5,000
TOTAL	<u>\$75,000</u>

10. REFERENCES

Spurway, C. C., 1995. Union Consolidated Substitute Exploration License 7984, First Annual Report for the Period 19/4/94 to 18/4/95. Report No. 08 7521 (Unpublished report for the NTDME for Acacia Resources Ltd.).

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Needham, R.S. & Roarty, M.J., 1980: An Overview of Metallic Mineralisation in the Pine Creek Geosyncline, in Uranium in the Pine Creek Geosyncline (eds. Ferguson, P.T., Goleby, A.B.), pp 157-173, Proceedings Series, IAEA, Vienna.

Page, R., Compston, W., & Needham, R., 1980: Geochronology and Evolution of the Late Archaean Basement and Proterozoic Rocks in the Alligator River Uranium Field, Northern Territory, Australia, in Aust. Uranium in Pine Creek Geosyncline, pp 39-68.

Ham, J., 1998: Group Annual Report for SEL 7707, Snadden's Creek and SEL 8497, Union Consolidated, for the Years Ending 30th March 1998 and 19th April 1998. Report No 08.9604 (Unpublished Report to NTDME).

Ham, J., 1999: Group Annual Report for SEL 7707, Snadden's Creek and SEL 8497, Union Consolidated, for the Years Ending 30th March 1998 and 19th April 1998. Report No 08.10038 (Unpublished Report to NTDME).

APPENDIX 1

Environmental Register

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
LAND STATUS RECORD

Project: Pine Creek

Tenement Name Union Consolidated **Loc. Code:** UR12

Tenement No's: SEL 8497

Registered Holder(s): AngloGold Australasia Limited

Date Granted: 20/4/94 **Term:** 3 years **Area:** 23 blocks
Currently 10blocks

Bond/Security: \$1,000

JV Partners (if any): Nil

Land Classification: (Crown, Private, Lease) Lease

Land Holder/Occupier: Gary Hamilton **Station:** Mary River West
(Equest Pty Ltd)

Address: 9 Pall Mall
Currumbin, Qld, 4223 **Phone:** (075) 534 7408

Contacted By: Ken Hellston **Date:** March 1994

Pastoral Notes: (Stock, Cultivation, Access, Rainfall)

Open grazing land, little evidence of domestic livestock.
Access via the Stuart Highway, the North Australia Railway Easement or any number of unmarked bush tracks.

Environmental Notes: (Flora/Fauna, Erosion, Bushfires, Flooding)

Open Tropical Savanna. Prone to flooding during the wet, access difficult during the wet.

Groundwater: (Bores/Wells/Dams, streams, drainage, test data)

Several water bores are located near the south- eastern corner of the SEL. Water bores are town water supply. The head waters of the McKinlay River are sourced from the central portion of the license area.

Aboriginal Notes: (Sacred Sites, Cultural)

There are two Sacred sites within the SEL. AAPA site No.s 5270-38 and 5270-22. Both Sites are located in the southern portion of the SEL area. (see attached figure)

Historic Relics: (Mine Workings, Equipment, Homesteads etc.)

Caledonian alluvial Au mine beside the Kakadu Highway, covered by MCN's on the south eastern boundary of the SEL (see attached figure).

An unnamed Tin working exists in the northern portion of the license area.

Previous Activity: (Mining, Exploration, Forestry, etc.)

License previously covered by numerous exploration companies, no substantial disturbance evident.

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
PRE-EXISTING ENVIRONMENTAL DISTURBANCE RECORD

Tenement Name: Union Consolidated **No(s):** SEL8497

Exploration Activity Area:

Shafts/Pits/Dumps: None evident

Track/Access:

Tenement can be accessed from western margin by turning east off the Stuart Highway or through the central portion of the license via the North Australia Railway easement.

Access tracks also exist along Power Transmission Lines.

Line Clearing:

None

Costeaning:

None

Drill Sites:

None

Other:

Location Data:

Other Ref:

Compiled by: Chris Spurway

Date: 29/4/96

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ANGLOGOLD ENVIRONMENTAL IMPACT RECORD

Tenement Name: Union Consolidated

No (s): SEL 8947

Report Ref No's: 08.7521 08.10038
08.7970 08.10607
08.8762
08.9604

Exploration Activities:

Hand and mechanical auger sampling, ~3,466 soil samples collected
RAB drilling, - 90 post holes
Rock chip sampling, 14 samples collected.
Stream Samples, 35 samples collected.

Grids & Traverses:

Construction of grid baseline marked by star pickets at 100m intervals
116.8 km of gridding completed, marked at 50m intervals with metal fence droppers.

Soil Sampling:

~3,466 mechanical auger to 4.5m or hoe pick samples collected, all sample sites backfilled after sample collection.

Costeans / Pits: Nil

Drilling: A total of 90 post hole RAB drill holes were completed in 1996

Drill Traverses: Nil

Drill Pads: Nil

Ground Geophysics: Nil

Access Tracks: Nil

Camps: Nil

Other: Nil

Compiled by: Damien Stephens

Date: 6th April 2000

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ANGLOGOLD REHABILITATION RECORD

Tenement Name: Union Consolidated

No(s): SEL 8497

Disturbance: Soil Sampling

Rehabilitation: Backfilling

Date:

Grids & Traverses: In place. 36 line km of grids removed from relinquished areas in 1999.

Soil Sampling: Backfilling of all sample sites completed at time of sampling.

Costeans/Pits:

Drilling: RAB drill holes were plugged using shot hole plugs 1.5m below surface and subsequently infilled immediately after completion of drill hole.

Drill Traverses:

Drill Pads:

Ground Geophysics:

Access Tracks:

Camps:

Other:

Inspected / Clearance:

Bond/Security released:

Compiled by: Damien Stephens

Date: 6th April, 2000

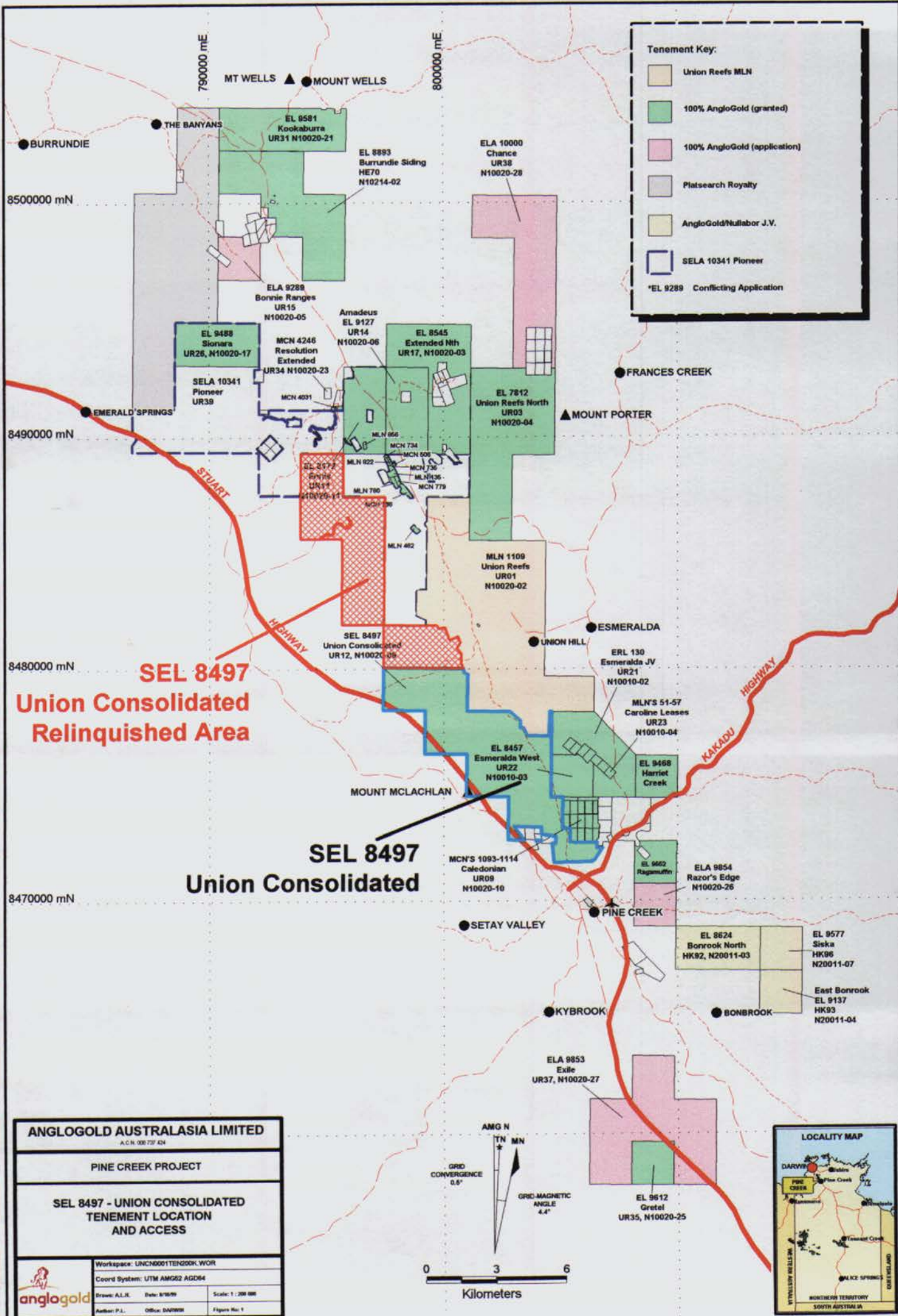
Follow-up Inspection Report:

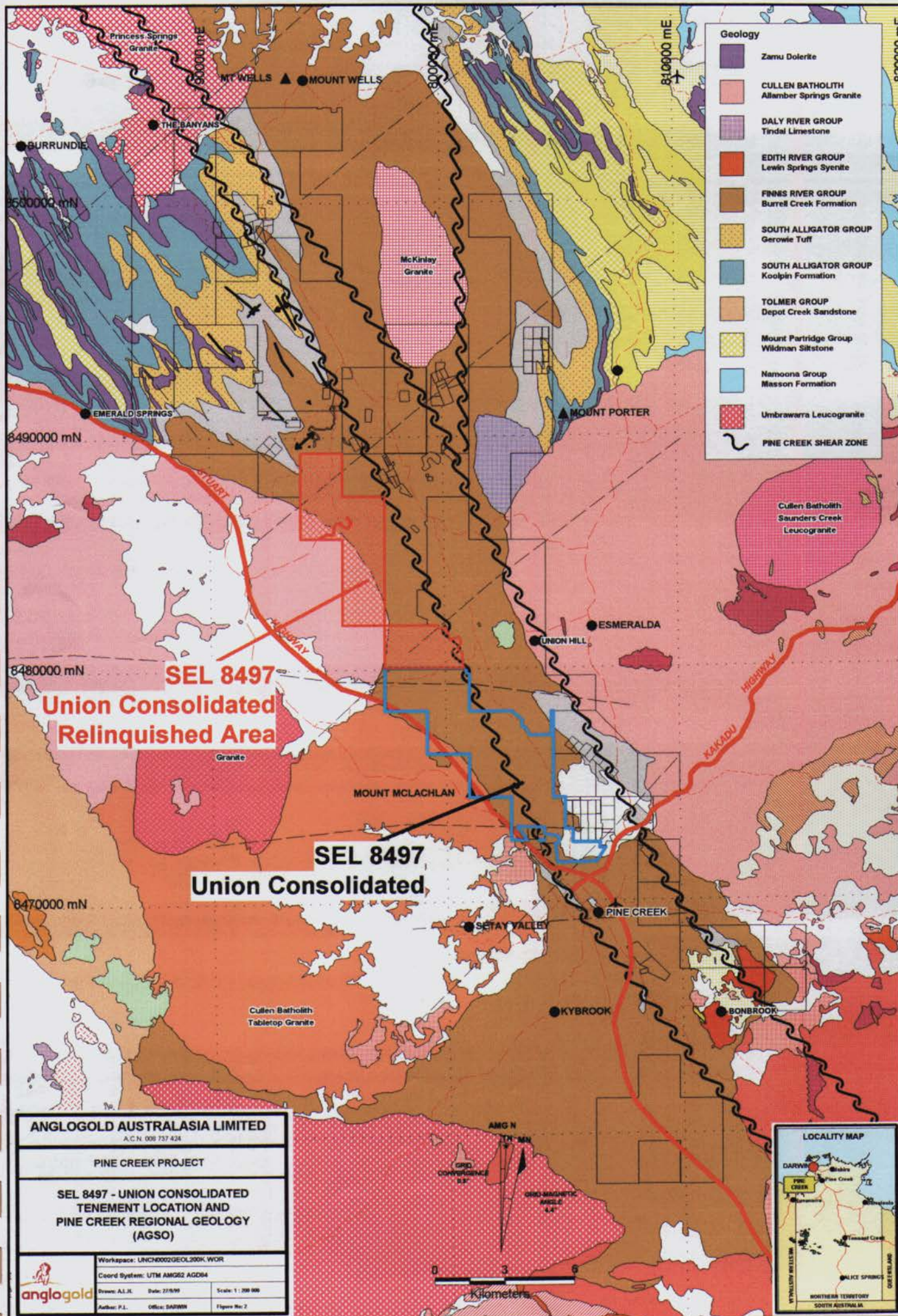
APPENDIX 2

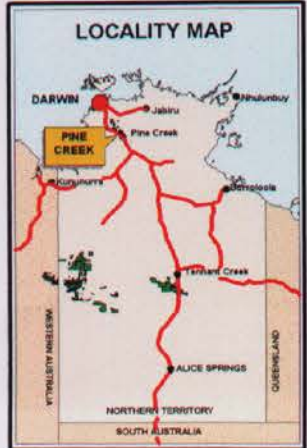
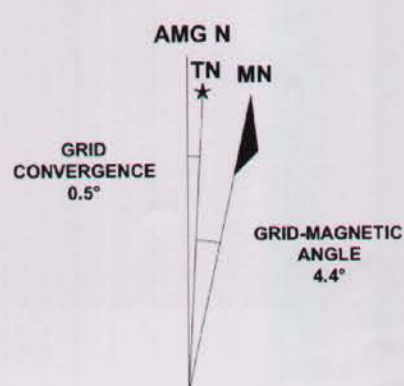
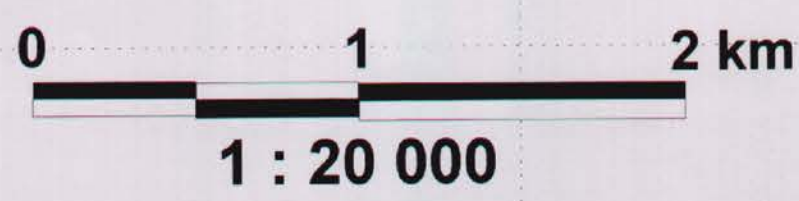
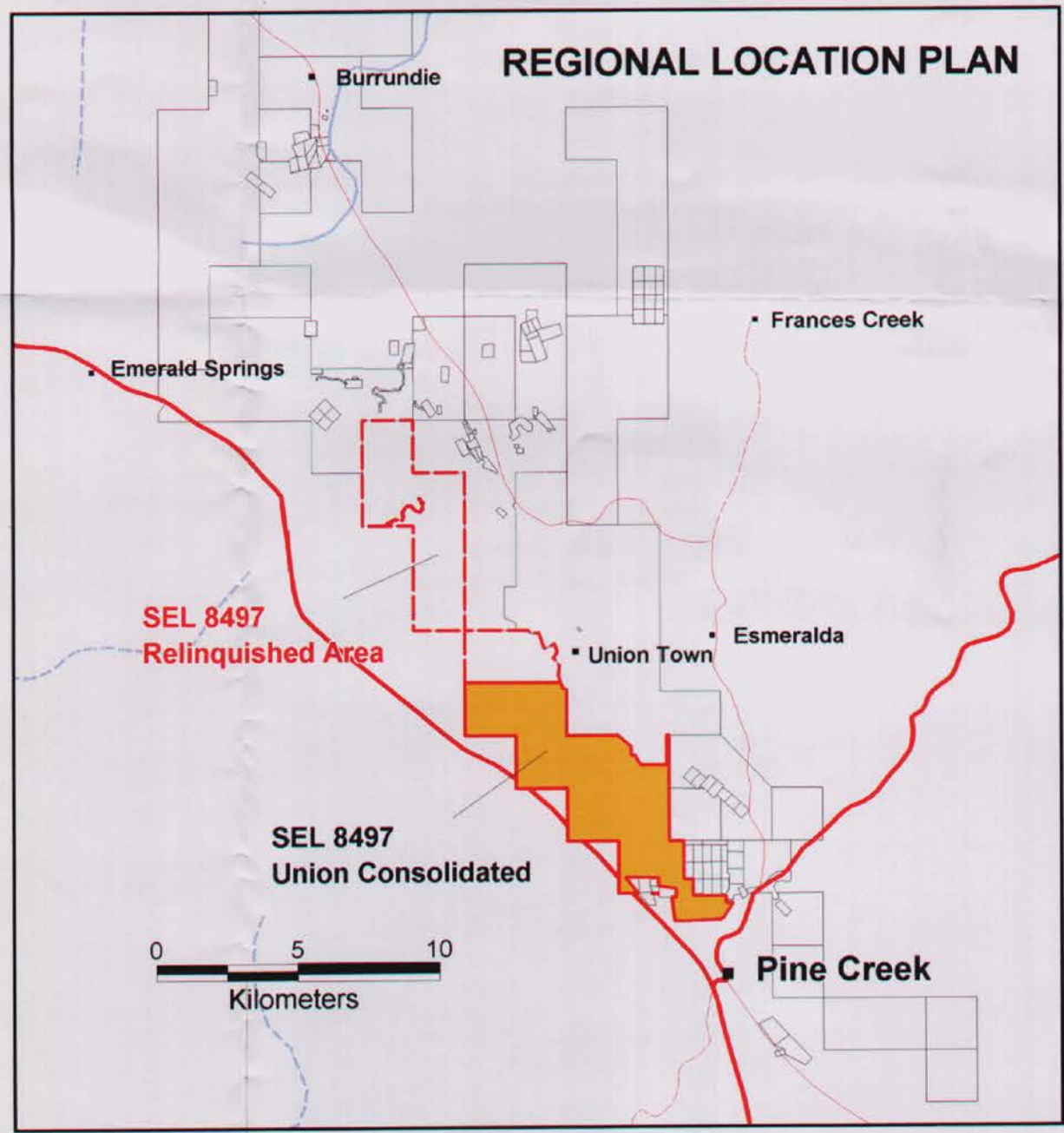
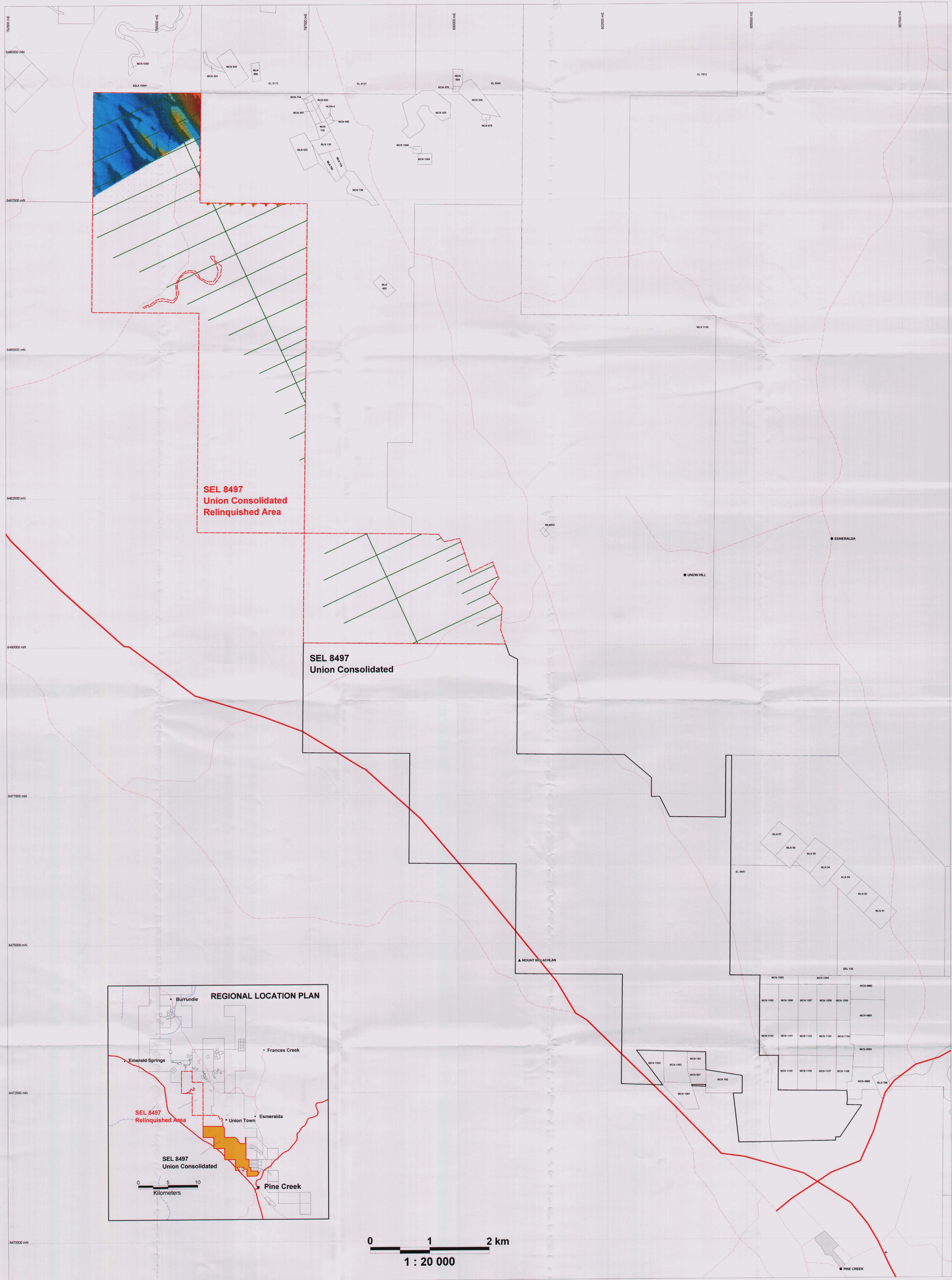
Geophysical Survey Specifications

Detailed Aeromagnetic Survey Specifications

Aircraft	FU24-950
Magnetometer	Scintrex Caesium Vapour Cs2
	Develco Vector Magnetometer
Resolution	0.001nT
Sensitivity	0.001nT
Recording Interval	0.1 Seconds
Compensation	RMS AADC II Compensator
Flight Line Separation	50m
Flight Line Orientation	060° True
Tie Line Separation	500m
Tie line Orientation	150° True
Mean terrain clearance	25m
Sample Interval	4 - 5 m
Spectrometer	Exploranium Model GR-820
Navigation	Novatel 3951R 12 Channel Differential GPS
	RACAL satellite DGPS correction receiver
Altimeter	King Model KRA-405 Radar Altimeter
	Air DB Barometric Altimeter
Base Station Sensors	Scintrex "Envi-Mag" Proton Precession
	Magnetometer
	Geometrics G-856 Proton Precession
	Magnetometer

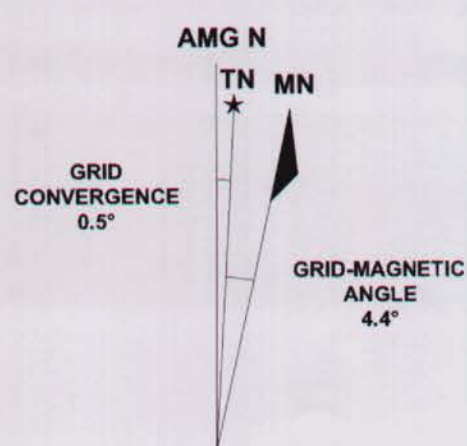
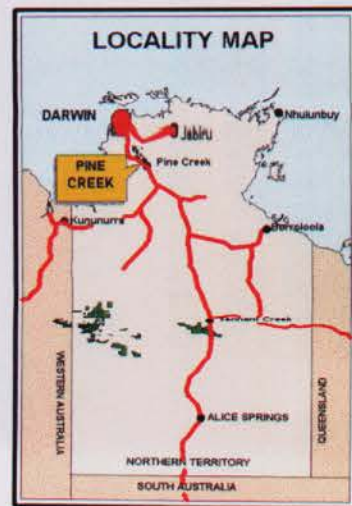
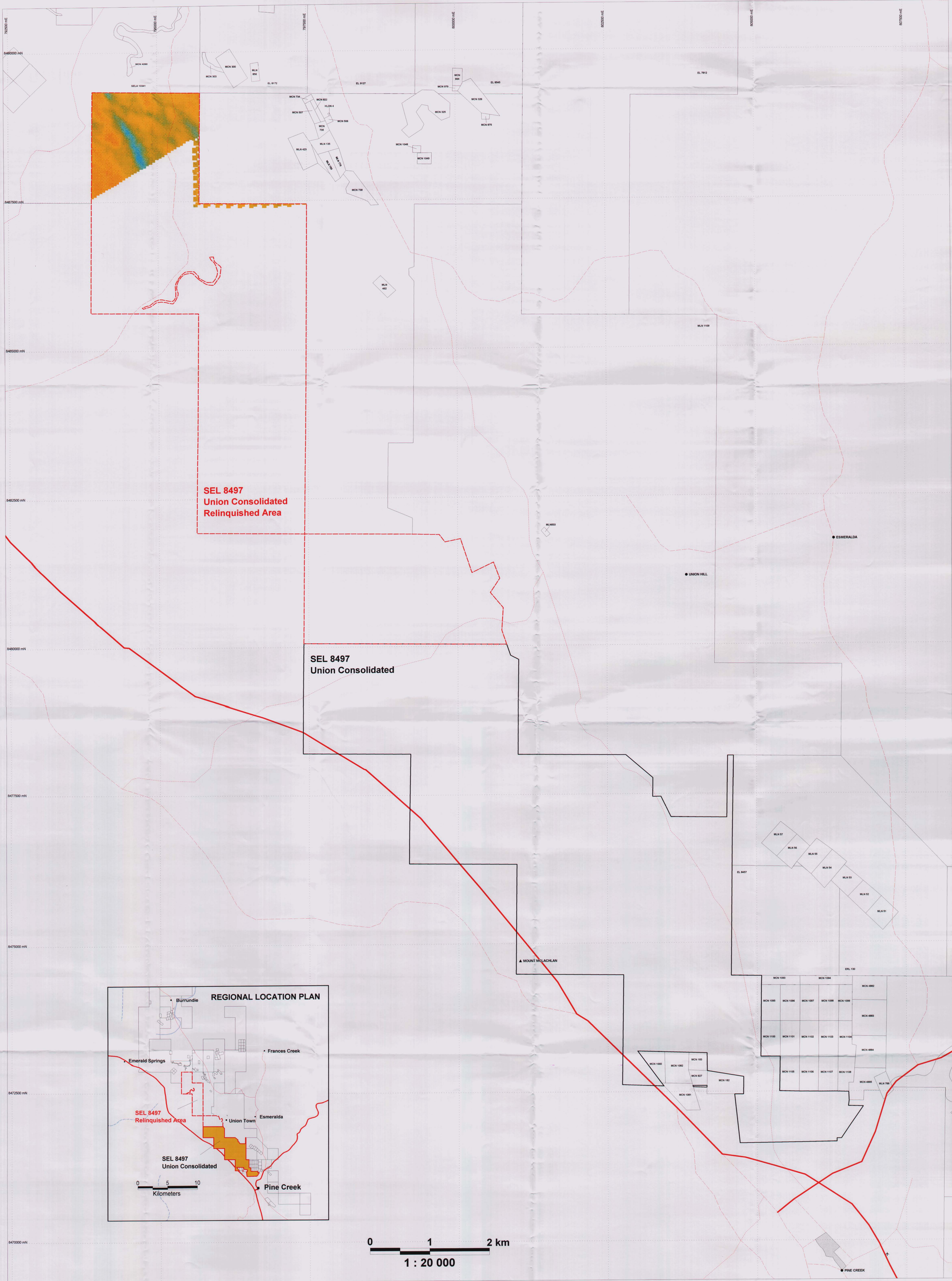




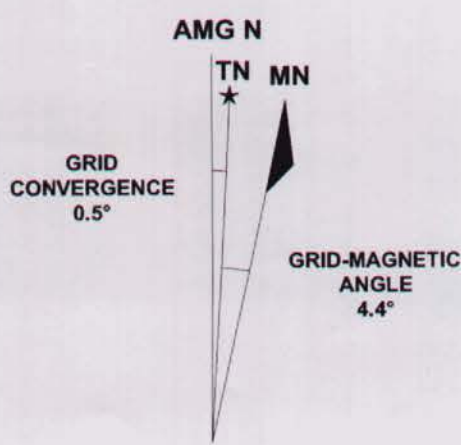
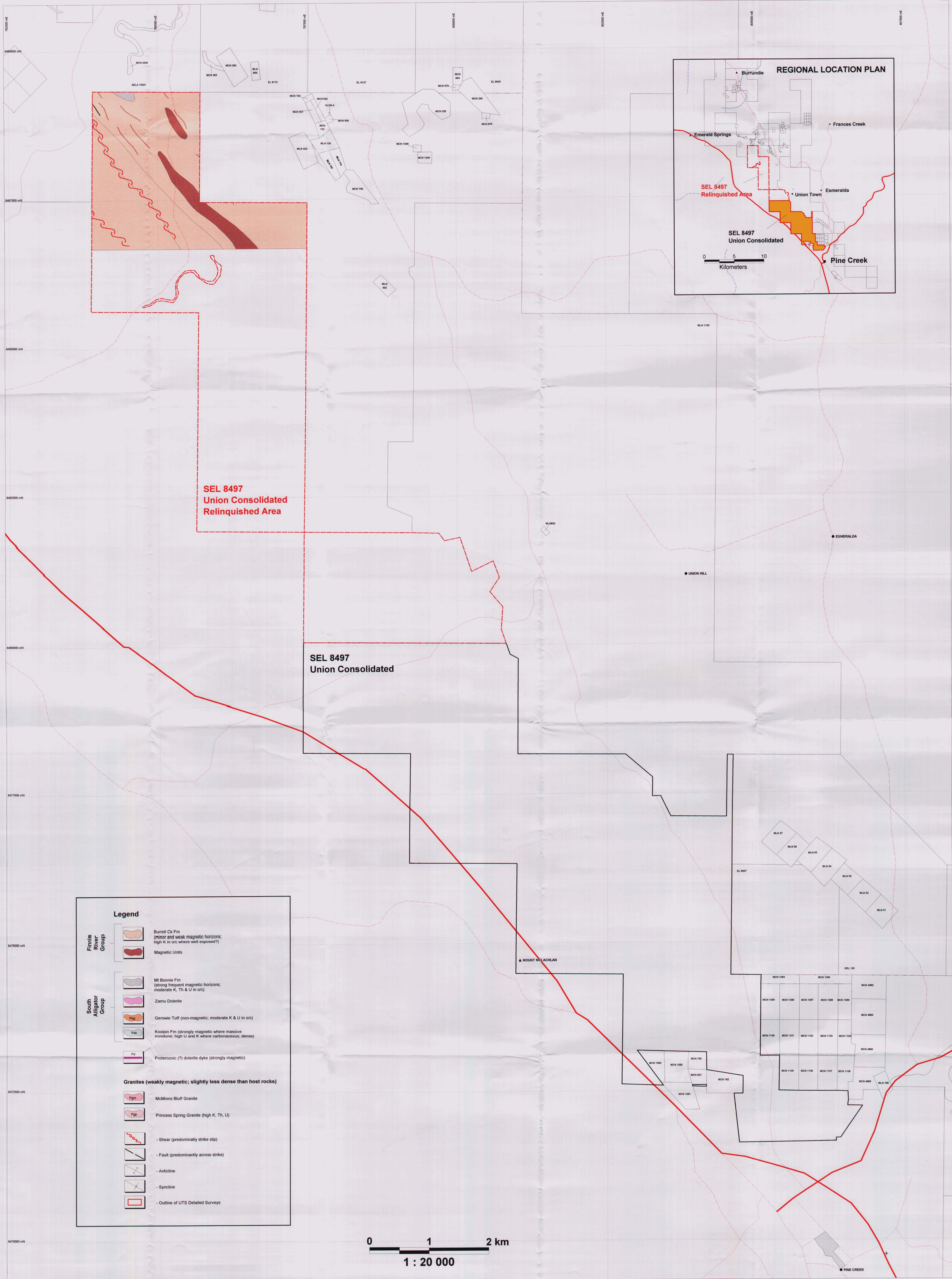


ANGLOGOLD AUSTRALASIA LIMITED A.C.N. 008 797 424	
PINE CREEK PROJECT	
SEL 8497 - UNION CONSOLIDATED REHABILITATED GRID LINES AND DETAILED AEROMAGNETICS TMI RTP	
Workspace: UNCN0000980P20K	
Coord System: AMG82 AGD84	Scale: 1 : 20 000
Drawn: A.L.H. Date: 14/04/2005	Author: D.S. Office: GAW/WH
Figure No: 2	

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ANGLOGOLD AUSTRALASIA LIMITED A.C.N. 008 737 424	
PINE CREEK PROJECT	
SEL 8497 - UNION CONSOLIDATED TOTAL COUNT RADIOMETRICS	
Workspace: UNCM001050P20K Coord System: AMG82 AGD84 Drawn: A.L.H. Date: 14/04/2005 Scale: 1 : 20 000 Author: D.S. Office: DAWWA Figure No: 4	



ANGLOGOLD AUSTRALASIA LIMITED A.C.N. 108 717 428	
PINE CREEK PROJECT	
SEL 8497 - UNION CONSOLIDATED GEOLOGICAL INTERPRETATION	
Workspace: UNCM011560L30K Coord System: AMG83 AGDM Drawn: A.L.M. Date: 14/06/2005 Scale: 1:20,000 Author: C.S.N.H. Office: DAWIN Figure No: 5	

