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191001



AMOCO MINERALS AUSTRALIA COMPANY

DISC 194  
PART PROJECT A-84-111

D of M	A.O.	C.G.	E.O.	D.S.M.E.
D. DIR.	15 MAY 1985			Registrar
	DEPT. OF MINES			E & IL
REF. No. 5028/85				

COMBINED FINAL REPORT

AND PROGRESS REPORT

TWELVE MONTHS TO JULY 1985

EXPLORATION LICENCE 14/84

MAYDENA, TASMANIA

J SUPPREE

APRIL 1985

REPORT 435

**DISTRIBUTION**

- o Denver
- Mines Department
- o Sydney
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- o Spare
- o Trade

003

FIGURE

After page

1 LOCATION

2

APPENDICES

1 ANALYTICAL RESULT SHEETS

2 PETROLOGIC REPORT

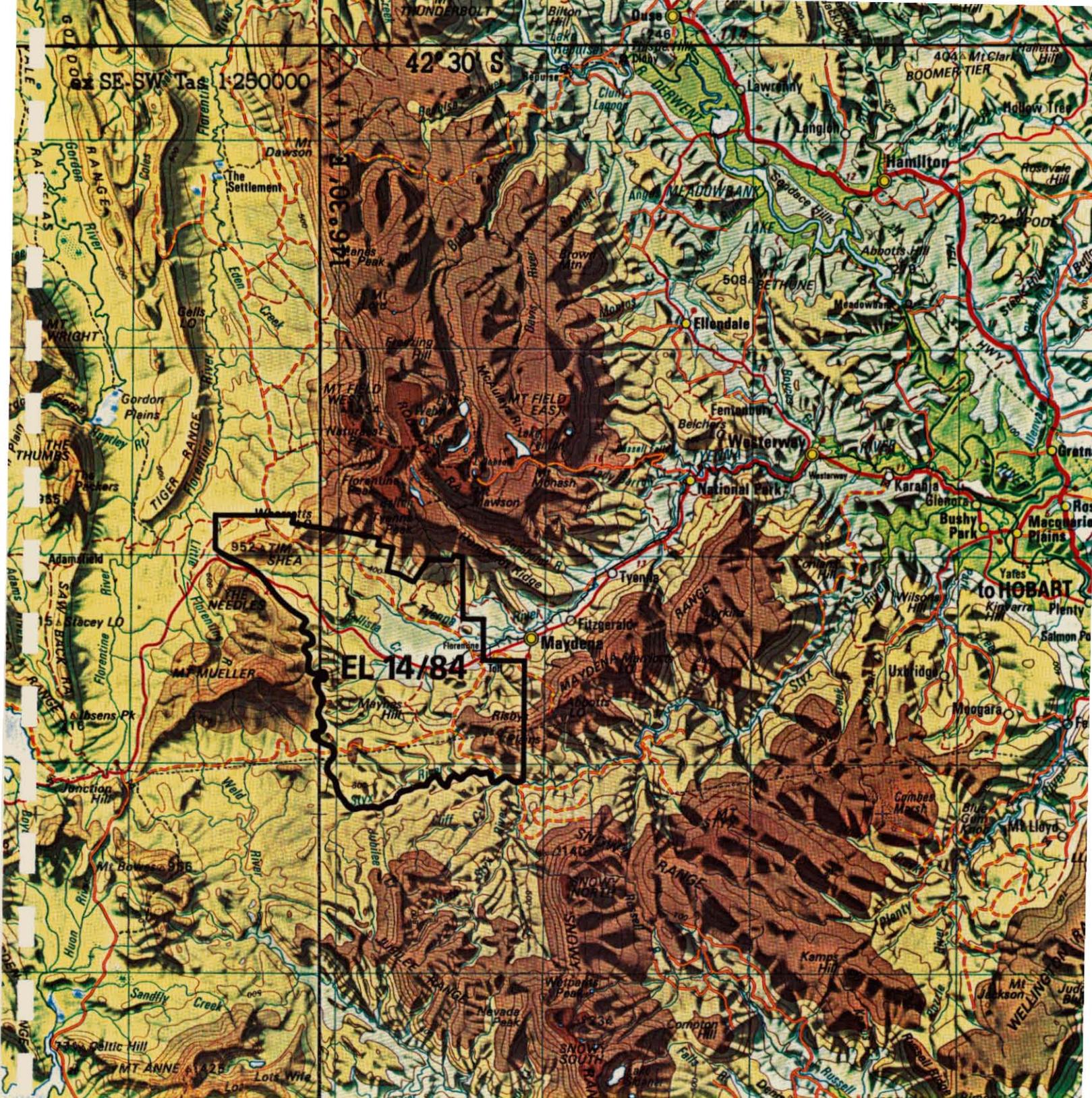
by Central Mineralogical Services

ENCLOSURES

		Scale
1	EL 14/84 - Stream Sediment Geochemistry	
	● SAMPLE LOCATIONS	1:25,000
2	● GOLD, ARSENIC, ANTIMONY	1:25,000
3	● TIN, TUNGSTEN, MOLYBDENUM, MERCURY	1:25,000
4	● COPPER, LEAD, ZINC	1:25,000
5	● ROCKCHIP GEOCHEMISTRY	1:25,000
6	- Maynes Hill	
	● SOIL TRAVERSE	1:10,000

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 10 km

FIGURE 1  
 Maydena EL 14/84



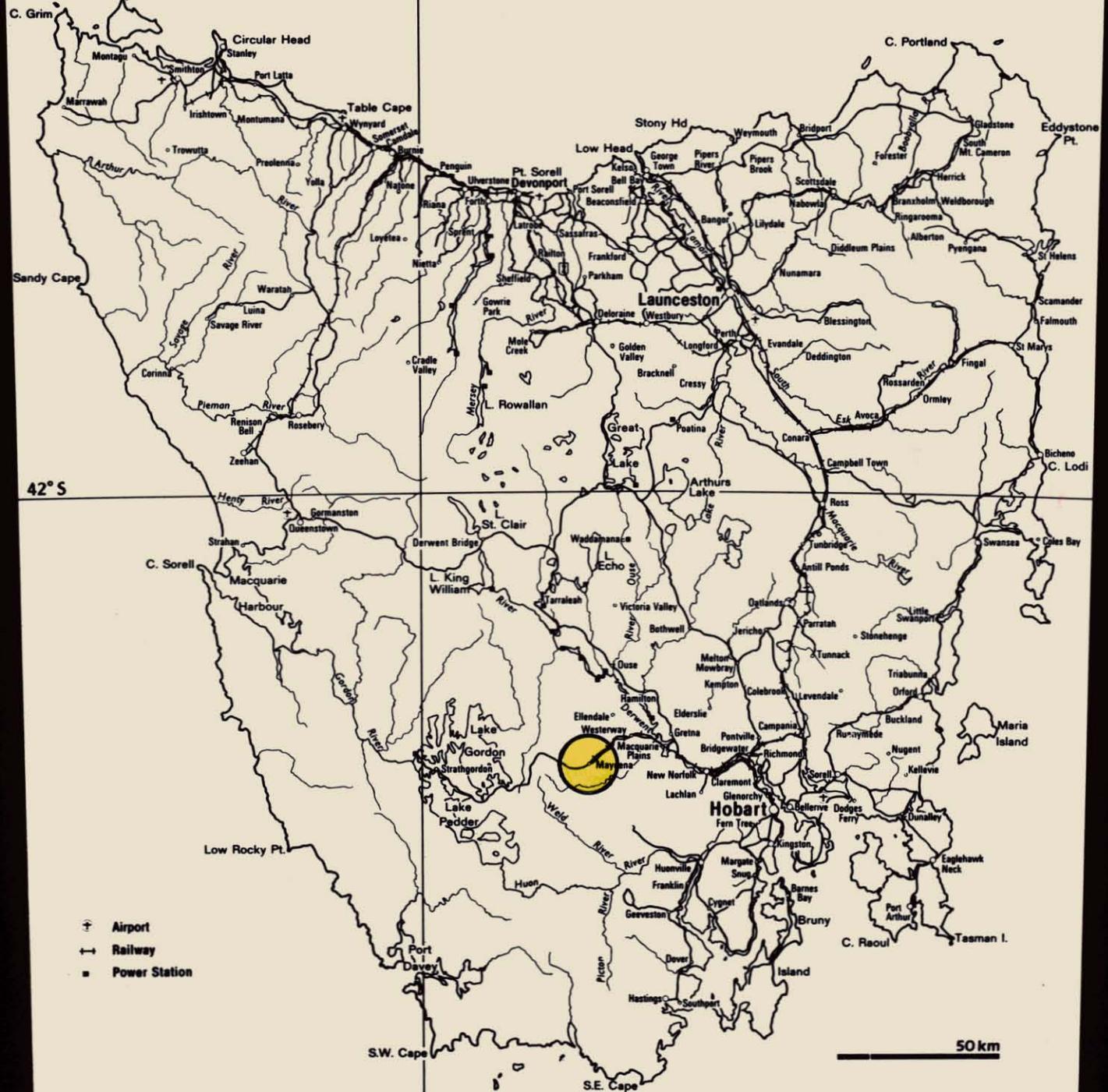


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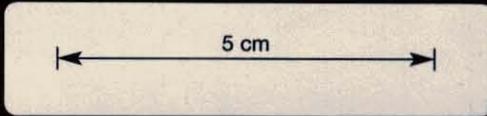
# TASMANIA



## BASS STRAIT



- ✈ Airport
- +— Railway
- Power Station



# Project Location

#### SUMMARY AND CONCLUSIONS

Exploration Licence 14/84 was granted to Amoco for a period of 12 months from July 1984. The tenement embraces Precambrian dolomites, dolomitic shale and minor breccia units. The exploration model is one based on the Carlin-type gold deposit.

A work program of regional stream sediment and rockchip sampling and one soil traverse in the Maynes Hill/Fourteen Mile Creek area was completed. The highest gold value obtained was 0.15 ppm and no visible gold was observed in panning.

No further work is planned for EL 14/84 and the tenement is to be surrendered.

005

LOCATION AND ACCESS

Exploration Licence 14/84 is located 70 kilometers northwest of Hobart. Maydena is the service town for Australian Newsprint Mills (logging) and is situated three kilometers northeast of the licence boundary. The area is connected to Hobart by sealed highway and rail (Figure 1).

Access in the region is by foot and four-wheel drive utilizing existing logging tracks. The area has an annual rainfall in excess of 200 centimeters.

006

DESCRIPTION OF THE PROPERTY AND OWNERSHIP

Exploration Licence 14/84 of approximately 102 square kilometers in area was granted to Amoco Minerals Australia Company for a period of 12 months from July 18, 1984.

The tenement is covered by a timber concession held by Australian Newsprint Mills.

#### HISTORY AND EXPLORATION TO DATE

Only limited work has been conducted in the tenement area. BHP searched for carbonate-replacement tin mineralization under Exploration Licence 8/79 (Maydena). This grant was relinquished in October 1982 prior to the lifting of the moratorium on exploration in southwest Tasmania. Exploration Licence 19/83 was staked by BHP to follow-up three unexplained Dighem II anomalies located on the western boundary of Exploration Licence 8/79. Results were negative.

Osmiridium has been mined on a small scale from alluvial deposits at Adamsfield (to the west of the area) since the 1920's. Ground magnetics, EM and SP surveys, as well as detailed soil geochemistry were completed over the Adamsfield Ultrabasics by

BHP with negative results. Sparse chalcopyrite, galena and barite mineralization has been reported from the Mt Mueller and Humboldt prospects. Size potential appears very limited as the mineralization is confined to veins and fractures.

## REGIONAL GEOLOGY

The oldest rocks in the licence area are a shallow marine mudstone and orthoquartzite sequence of Proterozoic age containing minor carbonates. These rocks are on the western edge of the tenement.

Unconformably overlying this succession are a series of dolomites and dolomitic breccia. The dolomitic breccia lies against the south-eastern margin of the Florentine Synclorium, a broad syncline of Ordovician rocks. The dolomite is overlain (probably unconformably) by a succession of feldspathic, micaceous wacke, khaki and red mudstone, chert, very minor carbonate and basic volcanics. This unit is late Proterozoic to Early Cambrian in age.

010

A late-middle Cambrian shallow marine succession overlies the previous formation. Above this lies the Denison Sub-group, a shallow marine orthoquartzite and mudstone sequence. This is conformably overlain by the Gordon Sub-group, a sequence of shallow marine limestones, with minor siltstones and sandstones.

The Wynyard Tillite of the Parmeener Super-group lies directly above the Permian-Carboniferous unconformity. This in turn is succeeded by the Woody Island Siltstone.

In places the Parmeener Super-group is intruded by Jurassic dolerite sills. Such a sill forms the cap of Mt Mueller.

Present day structure is largely a product of the Tabberabberan orogery. The Florentine Synclitorium is a broad syncline of Ordovician rocks.

#### LOCAL GEOLOGY

Sedimentary rocks in the licence area range in age from Precambrian to Permian. The Precambrian rocks include dolomite, dolomitic shale, black and chocolate shales and orthoquartzites, which have been tightly folded around west-northwest to north-west trending axes. Brown to red lithicwackes with a tuffaceous component derived from basic volcanism crop out in the Maynes Hill/Fourteen Mile Creek area.

Ordovician conglomerate, quartzite, shale and limestone outcrop in the northern part of the licence area from Maydena to the Florentine Valley. The Ordovician rocks are generally folded about open folds with northwest to north-south axes. The Permian rocks include a basal tillite or pebbly mudstone, overlain in

U12

turn by dark gray mudstone and siltstones, limestone and fossiliferous mudstone and shale. The Permian rocks dip gently to the east.

The only intrusive rocks located to date in the area include minor Jurassic dolerite at Wherrett's Lookout and an alkaline dike rock (porphyritic microsyenite) of Cretaceous age in the Maynes Hill area.

## MINERALIZATION

Alluvial osmiridium has been mined at Adamsfield (to the west of the licence area) since the 1920's. The osmiridium was derived from narrow veins in the serpentinites (A McIntosh-Reid 1925). There are no current commercial operations. The only other recorded mineralization is at the Mt Mueller and Humboldt mines. These are copper/lead and bdrite vein deposits of very restricted size but neither mine has produced any significant volume of ore.

The Humboldt Mine was worked for a period as a 'gold reward lease' (Twelvetrees 1908). However Amoco sampling at the mine did not encourage any follow-up.

WORK CONDUCTED BY AMOCO

Work conducted during the July 1984 to July 1985 period entailed data compilation, production of 1:25,000 scale basemaps and field evaluation of the licence.

Data Compilation

The majority of EL 14/84 was held by BHP under Exploration Licence 8/79 (Maydena). After examining their work a program of stream sediment/panned concentrate and rockchip sampling and one soil traverse was proposed.

Basemap Preparation

A 1:25,000 scale basemap was prepared, reproduced from 1:20,000 Tyenna 2, 3, 6, 7 and 1:31680 Pedder B, Huntley D machine plots acquired from the Tasmanian Department of Lands. Australian

Newsprint Mills provided maps showing logging tracks and minor alterations were made during field examination of the prospect.

### Field Evaluation

Forty seven stream sediment/panned concentrate samples were taken to compliment the previous BHP program. Panned concentrate values ranged between 0.005 - 0.04 g/t gold, whilst the maximum stream sediment recorded was 0.05 g/t gold. Basemetal and arsenic geochemistry both failed to indicate any anomalous zones within the tenement. Sample locations are shown on Enclosure 1 and results plotted on Enclosures 2 to 4. All analytical result sheets are included in Appendix 1.

Nineteen rockchip/rock float samples were also taken but all results were of low tenor. Sample locations are also shown on Enclosure 1 with results plotted on Enclosure 5. Analytical result sheets are included in Appendix 1.

An 800 meter soil line was completed in the Maynes Hill/Fourteen Mile Creek area across an acid dike rock (Appendix 2 - Sample 150069).  
*? Rhynacite*

Assay results were low, with a maximum gold value of 0.01 g/t being recorded from 'C' horizon soils (Enclosure 6). The highest gold value from the program (rock float sample 150075 - 0.15 g/t) was attained from a quartz pebble conglomerate (see Appendix 2 for petrology.) However this was localized float material only.

Minor rockchip sampling and a cursory geological survey was conducted over the Mt Mueller prospect with values of up to 0.76% copper being obtained from weakly copper mineralized (bornite, malachite, chalcopyrite) quartz carbonate veins averaging less than 0.5 meters in width. No gold was reported in the assays of dump and outcrop material (see results - Appendix 1).



Looking southwest to Maynes Hill, the area of the soil traverse.  
Disturbed area in foreground from logging activities.



Taking panned concentrate sample from location 150029,30.

U17

A minor sampling program was completed in the Humboldt Mine area (Enclosure 1, Samples 103155-171). Samples showed no gold values (as previously reported by BHP) but minor elevated barium (maximum 0.67% barium). Assays are included in Appendix 1. Five sample were also taken from the Mt Mueller Mine (Enclosure 1, Samples 92494-499). Results are included in Appendix 1.

### Petrology

Eight rocks were despatched to Central Mineralogical Services for petrology. Their locations are shown on Enclosure 5 and the petrological report included as Appendix 2. There were no specific 'Carlin-type' characteristics in the suite, this was correlated by low levels of gold and arsenic geochemistry.

PROPOSED PROGRAM

On the basis of the results of work completed it is proposed that EL 32/82 be relinquished.

Signed .....  .....  
Jonathon Suppree

019

AMOCO MINERALS AUSTRALIA COMPANY

EXPENDITURE TO 31 MARCH 1985

EXPLORATION LICENCE NO. EL 14/84

Total to Date

Salaries and Wages	5,630.79
Benefits	35.71
Supplies	-
Supplies - maps	-
Cookery	402.85
Field Office Rent	133.00
Field Supplies	40.00
Freight	507.93
Aircraft Charter	-
Travel	589.20
Communications	166.57
Geophysics	-
Consultants/Contractors	-
Drilling	-
Assays	4,386.32
Legal Fees	-
Equipment Rental	28.74
Equipment Operation & Maintenance	249.35
Property Payments	159.46
Outside Services	<u>999.28</u>

13,329.20

Overhead

2,964.21

\$ 16,293.41

=====

  
TJ Conquest  
ACCOUNTANT

APPENDIX 1

ANALYTICAL RESULT SHEETS

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191024



**COMLABS Pty. Ltd.**  
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and  
Central Laboratory  
305 SOUTH ROAD,  
MILE END SOUTH  
STH. AUST. 5031  
TEL: (08) 43 5722  
TELEX: AA89323



NATA REGISTERED No. 1526

OUR REF: COM 831021  
YOUR REF: Des. 4386 O/N E 9396

Mr. P. Jones,  
Amoco Minerals Aust. Co,  
61 Counsel Street,  
ZEEHAN TAS 7469,

25.5.83

Dear Phil,

RE: JOB COM 831021

Enclosed are the assays for the samples delivered to our  
laboratory on the 18th May 1983.

Yours sincerely,  
COMLABS PTY LTD

per : 

c.c.: Mr. B. Roxburgh



## ANALYTICAL REPORT

JOB COM831021

O/N : 4386

## Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Sn
88867	26	34	125	<1	6
88868	24	26	48	<1	6
88869	32	36	120	<1	4
88870	26	30	130	<1	4
88871	24	36	150	<1	4
88872	28	36	150	<1	<4
88873	26	38	140	<1	6
88874	26	28	130	<1	<4
88875	30	30	140	<1	8
88876	26	28	100	<1	4
88877	26	26	140	<1	10
88878	28	30	70	<1	8
88879	32	75	120	<1	6
88880	28	42	160	<1	6
88881	26	30	140	<1	<4
88882	22	20	46	<1	<4
88883	22	160	680	1	4
88884	28	70	120	<1	12
88885	20	22	38	<1	<4
88886	30	50	200	<1	6
88887	22	60	260	<1	<4
88888	16	24	32	<1	8
88889	30	28	180	<1	8
88890	28	28	160	<1	6
88891	30	34	120	<1	4

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**ANALYTICAL REPORT**

JOB COM831021

O/N : 4386

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Sn
88892	28	34	42	<1	<4
88893	22	20	60	<1	10
88894	20	24	65	<1	4
88895	26	34	130	<1	6
88896	26	28	110	<1	<4
88897	36	26	48	<1	4
88898	26	32	150	<1	8
88899	26	38	30	<1	10
88900	28	32	38	<1	6

Method of Analysis : Cu Pb Zn : AAS1  
 Ag : AAS3  
 Sn : XRF1

U2A

191027



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### ANALYTICAL REPORT

JGB CON831021

O/N : 4386

#### Results in ppm

MAYDNA

SAMPLE	Sn	W	Sb	As	Ba
92491	4	<10	14	140	65
92492	4	<10	4	5	280
92493	30	<10	20	<50	135
92494	<4	<10	<4	18	100
92495	<4	10	4	9	270
92496	<4	<10	4	5	65
92497	<4	15	<4	42	30
92498	<4	<10	<4	10	170
92499	<4	<10	<4	<2	35

Method of Analysis : Sn W Sb As Ba : XRF1

025

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### ANALYTICAL REPORT

JOB COM831021

O/N : 4386

#### Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Mo	V
92491	30	180	350	1	<4	50
92492	18	28	32	<1	<4	30
92493	44	3.40%	2350	11	<4	20
92494	7600	42	12	2	<4	10
92495	100	12	12	<1	<4	10
92496	400	8	6	<1	<4	10
92497	1900	12	150	<1	<4	10
92498	18	8	6	<1	<4	10
92499	1100	<4	6	<1	<4	10

Method of Analysis : Cu Pb Zn : AAS1  
 Ag Mo V : AAS3

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191029



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### ANALYTICAL REPORT

JOB COMP31021

O/N : 4386

#### Results in ppm

SAMPLE	Ni	Co	Bi	Cd	Mn	Au
92491	48	28	<4	<1	570	<0.05
92492	22	<4	<4	<1	50	<0.05
92493	18	<4	<4	4	11.0%	<0.05
92494	8	16	<4	<1	930	<0.05
92495	<4	8	<4	<1	460	<0.05
92496	<4	<4	<4	<1	650	<0.05
92497	6	10	<4	<1	1200	<0.05
92498	<4	<4	<4	<1	600	<0.05
92499	8	<4	<4	<1	730	<0.05

Method of Analysis : Ni Co Bi Cd : AAS1  
 Mn : AAS2/2A  
 Au : AAS5A

027

191030



**COMLABS Pty. Ltd.**  
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MILE END SOUTH  
STM. AUST. 5031  
TEL: (08) 43 5722  
TELEX: AA89323

U



NATA REGISTERED No. 1528

OUR REF.: COM 841326  
YOUR REF.: Order No. 12081 Des. 4914

18/38 MAY DENA  
20/38 SORELL

Mr. J. Suppree,  
Amoco Minerals Aust. Co. ,  
61 Counsel Street,  
ZEEHAN TAS 7469,

4.7.84

Dear Johnathan,

RE: JOB COM 841326

Enclosed are the assays for the samples delivered to our  
laboratory on the 29th June 1984.

Yours sincerely,  
COMLABS PTY LTD

per :

c.c.: Mr. B. Roxburgh

028

191031



**COMLABS Pty. Ltd.**  
COMPUTERISED ANALYTICAL LABORATORIES



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### ANALYTICAL REPORT

JOB COM841326

C/N : 4914

#### Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au
112010	16	90	300	<1	<0.05
112012	95	120	42	<1	0.25
112019	16	12	22	<1	<0.05
112070	8	370	350	<1	<0.05
112297	6	<4	4	<1	<0.05
112385	14	10	8	<1	<0.05
112566	4	<4	2	<1	<0.05
112598	4	<4	4	<1	<0.05
112612	6	<4	4	<1	<0.05
112641	160	18	310	<1	<0.05
112777	6	<4	2	<1	<0.05
112778	6	<4	4	<1	<0.05
112785	4	8	12	<1	<0.05
112846	6	<4	4	<1	<0.05
112922	24	12	26	<1	<0.05
112298	4	8	20	<1	<0.05
112775	4	<4	4	<1	<0.05
113014	6	18	110	<1	<0.05
113040	220	10	60	<1	<0.05
113053	6	<4	2	<1	0.15
103155	10	55	55	<1	<0.05
103156	8	12	28	<1	<0.05
103157	12	4	36	<1	<0.05
103158	18	10	100	<1	<0.05
103159	8	8	18	<1	<0.05

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### ANALYTICAL REPORT

JOE COM841326

O/N : 4914

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au
103160	6	<4	4	<1	<0.05
103161	10	6	70	<1	<0.05
103162	26	6	100	<1	0.30
103163	12	6	70	<1	<0.05
103164	20	6	150	<1	<0.05
103165	20	12	140	<1	<0.05
103166	16	8	120	<1	<0.05
103167	26	24	230	<1	<0.05
103168	50	14	18	<1	<0.05
103169	24	22	450	<1	<0.05
103170	14	22	200	<1	<0.05
103171	16	22	220	<1	<0.05
103849	32	8900	5700	3	<0.05

Method of Analysis : Cu Pb Zn : AAS1  
 Ag : AAS3  
 Au : FAS1

U30



**ANALYTICAL REPORT**

JOE COM841326

C/N : 4914

Results in ppm

SAMPLE	Sn	Ea	As	Sb
112010	<4	1300	10	4
112012	8	2300	50	6
112019	<4	140	3	<4
112070	<4	<10	195	6
112297	<4	15	3	4
112385	28	85	80	10
112566	4	50	5	<4
112598	8	10	4	8
112612	<4	55	3	<4
112641	<4	45	1550	12
112777	6	10	6	4
112778	4	<10	8	<4
112785	<4	10	5	4
112846	6	45	20	4
112922	<4	170	5	<4
112298	<4	90	18	<4
112775	6	35	5	8
113014	<4	130	55	8
113040	<4	105	14	<4
113053	<4	<10	10	<4
103155	6	<10	22	<4
103156	<4	670	2	8
103157	8	<10	34	<4
103158	6	10	28	4
103159	8	<10	5	4



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- 4 -



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### ANALYTICAL REPORT

JOB COM841326

O/N : 4914

#### Results in ppm

SAMPLE	Sn	Ea	As	Sb
103160	4	10	9	<4
103161	<4	1300	20	12
103162	<4	3700	42	4
103163	<4	6700	3	<4
103164	<4	6500	36	<4
103165	8	540	28	<4
103166	6	250	75	8
103167	8	5150	40	14
103168	<4	170	22	8
103169	<4	60	65	14
103170	<4	1050	32	8
103171	<4	1600	55	8
103849	<4	350	36	16

Method of Analysis : Sn Ea As Sb : XRF1

U32

191035



The Australian Mineral Development Laboratories

Flemington Street, Frewville, South Australia 5063  
Phone Adelaide 79 1662  
Telex AA 82520

Please address all correspondence to  
P.O. Box 114 Eastwood SA 5063  
In reply quote:

# amdel

## NATA CERTIFICATE

3/786/0 - AC 251/85

31 July 1984

Mr. B. Ferris,  
Amoco Minerals Australia Company,  
P.O. Box 493,  
NORTH SYDNEY N.S.W. 2060.

MAYDEN A

REPORT AC 251/85

YOUR REFERENCE:

Despatch Number 1293

REPORT COMPRISING:

Cover Sheet  
Page 1

DATE RECEIVED:

18 July 1984

*TAS. GENERATIVE  
(MAYDEN A CHECKS.)*

*D. Patterson*

D. Patterson  
Chief Chemist  
Analytical Chemistry Division

Head Office:  
Flemington Street, Frewville  
South Australia 5063,  
Telephone (08) 79 1662  
Telex: Amdel AA82520  
Pilot Plant:  
Osman Place  
Thebarton, S.A.  
Telephone (08) 423 3733  
Branch Laboratories:  
Melbourne, Vic.  
Telephone (03) 645 3093  
Perth, W.A.  
Telephone (09) 325 7311

cc Mr. P. Jones,  
Amoco Minerals Australia Company,  
61 Counsel Street,  
ZEEHAN TAS. 7469

sb

ANALYSIS  
g/tonne

---

SAMPLE MARK	GOLD Au
103155	<0.1
103156	<0.1
103157	<0.1
103158	<0.1
103159	<0.1
103160	<0.1
103161	<0.1
103162	<0.1
103163	<0.1
103164	<0.1
103165	<0.1
103166	<0.1
103167	<0.1
103168	<0.1
103169	<0.1
103170	<0.1
103171	<0.1

Method: K4/1

---



The Australian  
Mineral Development  
Laboratories

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South Australia 5063  
Phone Adelaide 79 1662  
Telex AA 82520

Please address all  
correspondence to  
P.O. Box 114 Eastwood  
SA 5063  
In reply quote:

# amdel

3/786/0 - AC 2412/85

18 December 1984

## NATA CERTIFICATE

### PART REPORT I

Mr. Jonathan Suppree,  
Amoco Minerals Australia Company,  
61 Counsel Street,  
ZEEHAN TASMANIA 7469

### REPORT AC 2412/85

YOUR REFERENCE:

Despatch No. 4931  
Order Number E 13343

REPORT COMPRISING:

Cover Sheet  
Pages X1 - X3

DATE RECEIVED:

4 December 1984

D. Patterson  
Chief Chemist  
Analytical Chemistry Division

cc Mr. B. Roxburgh,  
Amoco Minerals Australia Company,  
P.O. Box 493,  
NORTH SYDNEY N.S.W. 2060

ij

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Telephone (08) 925 71

MAY DENA

J34

035



191038

Analysis code X3

Report AC 2412/85

Page X1

NATA Certificate

Order No. E 13343

Results in ppm

Sample	As	Pb	Sb	Ba	W	Sn	Mo
150007	7	10	4	180	<10	6	<4
150010	<2	2	<4	60	<10	8	<4
150025	5	9	4	110	<10	<4	4
150028	9	11	<4	400	<10	6	4
150033A	15	40	<4	760	<10	6	<4
150033B	2	9	<4	130	<10	<4	<4
150042	28	32	<4	760	<10	4	<4
150045A	6	25	<4	400	<10	8	<4
150045B	22	26	<4	700	<10	8	4
150048	11	9	<4	440	<10	6	4
150069A	4	18	<4	1080	<10	4	<4
150069B	11	6	<4	95	<10	4	<4
150075	<2	<2	<4	10	<10	<4	<4
150082	15	5	<4	220	<10	4	6
150089	<2	3	<4	<10	<10	<4	<4
150106	5	<2	<4	200	<10	6	<4
150107	<2	18	4	80	15	12	4
150114	<2	8	<4	220	<10	<4	<4
150116	36	3	6	10	<10	6	<4
150001	2	5	<4	130	<10	<4	<4
150003	8	3	<4	210	<10	<4	<4
150005	8	10	<4	340	<10	8	<4
150008	26	7	<4	270	<10	6	<4
150011	21	9	<4	80	<10	6	<4
150013	6	4	<4	190	<10	8	<4
150015	5	11	<4	150	<10	<4	<4
150017	2	4	<4	80	<10	4	<4
150019	<2	3	<4	230	<10	<4	<4
150021	<2	6	<4	80	<10	4	<4
150023	<2	5	<4	60	<10	<4	<4
150026	14	8	<4	200	<10	4	<4
150029	8	13	<4	250	<10	<4	<4
150031	8	13	<4	270	<10	6	4
150034	9	31	<4	430	<10	10	<4
150036	14	31	<4	490	10	4	4
150038	9	14	6	280	<10	<4	<4
150040	5	8	4	320	<10	4	<4
150043	5	5	<4	330	<10	<4	<4
150046	11	12	4	270	<10	<4	<4
150049	8	11	<4	200	<10	8	<4
Detn limit	(2)	(2)	(4)	(10)	(10)	(4)	(4)

U38



amdel

191039

Analysis code X3

Report AC 2412/85

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NATA Certificate

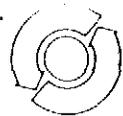
Order No. E 13343

Results in ppm

DATA BASE  
No.

Sample	As	Pb	Sb	Ba	W	Sn	Mo
150051	23	14	6	220	10	8	<4
150053	8	9	<4	170	<10	4	<4
150055	5	7	<4	200	<10	<4	<4
150057	3	6	<4	100	<10	4	<4
150059	6	8	<4	150	<10	4	<4
150061	15	22	<4	80	<10	<4	<4
150063	7	11	<4	140	<10	<4	<4
150065	7	11	<4	410	<10	6	<4
150067	5	18	<4	480	<10	<4	<4
150078	3	12	<4	150	<10	<4	<4
150080	7	13	<4	360	<10	6	<4
150083	<2	<2	<4	15	<10	<4	<4
150085	6	11	<4	10	<10	4	<4
150087	8	8	<4	100	<10	<4	<4
150090	4	<2	<4	15	<10	<4	<4
150092	5	<2	<4	10	<10	<4	<4
150094	5	<2	<4	25	<10	4	<4
150096	4	3	<4	75	<10	4	<4
150098	4	8	<4	150	<10	<4	<4
150100	5	6	<4	230	<10	6	<4
150102	4	5	<4	210	<10	4	<4
150104	4	6	<4	160	<10	4	<4
150108	<2	4	<4	75	<10	4	<4
150110	7	4	<4	80	<10	<4	<4
150112	4	9	<4	280	<10	<4	<4
21301 150002	5	17	<4	160	<10	<4	<4
21302 150004	4	15	<4	160	<10	4	<4
03 150006	7	23	<4	350	<10	4	<4
04 150009	13	15	<4	270	<10	8	<4
05 150012	2	10	<4	130	<10	<4	<4
21307 150014	6	17	<4	210	<10	6	<4
08 150016	<2	7	<4	130	<10	<4	<4
09 150018	3	8	4	110	<10	6	<4
21310 150020	4	5	<4	45	<10	<4	<4
11 150022	2	3	<4	65	<10	<4	<4
12 150024	3	2	<4	55	<10	6	<4
13 150027	5	13	<4	220	<10	<4	<4
14 150030	3	14	<4	210	<10	4	<4
15 150032	7	12	<4	230	<10	10	<4
16 150035	6	16	<4	180	<10	4	<4
Detn limit	(2)	(2)	(4)	(10)	(10)	(4)	(4)

037



amdel

191040

Analysis code X3

Report AC 2412/85

Page X3

NATA Certificate

Order No. E 13343

Results in ppm

	Sample	As	Pb	Sb	Ba	W	Sn	Mo
21317	150037	6	32	<4	200	10	4	<4
18	150039	7	13	<4	240	<10	<4	<4
19	150041	3	2	<4	140	10	<4	<4
21320	150044	3	12	<4	170	<10	<4	<4
21	150047	7	7	<4	230	<10	<4	<4
22	150050	7	13	4	200	15	<4	<4
23	150052	<2	8	<4	260	<10	<4	<4
24	150054	8	18	<4	90	<10	<4	<4
25	150056	5	6	<4	160	<10	6	<4
26	150058	3	11	<4	170	<10	<4	<4
27	150060	4	7	<4	170	<10	<4	<4
28	150062	7	15	<4	45	<10	6	<4
29	150064	8	18	<4	110	<10	6	<4
21330	150066	7	21	<4	300	10	4	<4
31	150068	7	22	4	350	<10	<4	<4
32	150079	9	13	<4	70	<10	4	<4
33	150081	6	11	<4	360	<10	10	<4
34	150084	<2	7	<4	25	<10	4	<4
35	150086	2	7	<4	25	<10	<4	<4
36	150088	2	5	<4	45	<10	<4	<4
37	150091	3	6	<4	25	<10	<4	<4
38	150093	6	2	<4	25	<10	8	<4
39	150095	3	10	<4	15	<10	6	<4
21340	150097	2	8	<4	90	<10	<4	<4
41	150099	6	12	<4	140	<10	<4	<4
42	150101	5	7	<4	170	10	4	<4
43	150103	5	5	<4	160	<10	<4	<4
44	150105	4	11	<4	180	<10	4	<4
45	150109	4	8	<4	65	<10	4	<4
46	150111	3	7	<4	45	<10	<4	<4
47	150113	4	16	<4	380	<10	6	<4
21348	150115	4	18	<4	130	<10	6	<4
	150070	10	18	<4	100	<10	8	<4
	150071	20	18	<4	210	<10	10	<4
	150072	10	13	4	180	<10	8	<4
	150073	16	16	<4	220	<10	4	<4
	150074	3	43	<4	400	<10	6	<4
	150076	7	26	<4	540	<10	6	<4
	150077	16	30	4	360	<10	6	<4
	Detn limit	(2)	(2)	(4)	(10)	(10)	(4)	(4)

038

191041



The Australian Mineral Development Laboratories

# amdel

3/786/0 - AC 2412/85

19 December 1984

Flemington Street, Frewville,  
South Australia 5063  
Phone Adelaide 79 1662  
Telex AA 82520

## NATA CERTIFICATE

Please address all correspondence to  
P.O. Box 114 Eastwood  
SA 5063  
In reply quote:

### PART REPORT 2

Mr. Jonathan Suppree,  
Amoco Minerals Australia Company,  
61 Counsel Street,  
ZEEHAN TASMANIA 7469

MAYDEN A

### REPORT AC 2412/85

YOUR REFERENCE:

Despatch No. 4931  
Order Number E 13343

REPORT COMPRISING:

Cover Sheet  
Pages 1 - 2  
Pages G1 - G3

DATE RECEIVED:

4 December 1984

NOTE:

There was insufficient material for Au analysis on sample 150037.

D. Patterson  
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Analytical Chemistry Division

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P.O. Box 493,  
NORTH SYDNEY N.S.W. 2060

039

191042

Report AC 2412/85  
Page 1

## ANALYSIS

g/tonne

SAMPLE MARK	GOLD Au	SAMPLE MARK	GOLD Au	SAMPLE MARK	GOLD Au
150007	0.005	150001	0.040	150049	0.005
010	0.005	003	<0.005	051	0.005
025	0.025	013	<0.005	053	0.005
028	0.005	005	0.005	055	<0.005
033A	0.025	008	0.005	057	<0.005
033B	0.010	011	0.005	065	<0.005
042	0.015	015	0.005	059	0.010
045A	0.030	017	0.005	061	0.005
045B	0.045	019	0.020	063	0.005
048	0.035	021	0.005	067	0.005
069A	0.015	023	0.005	079	0.005
069B	<0.005	026	<0.005	080	0.010
075	0.150	029	<0.005	083	0.005
085	0.010	031	0.005	085	0.030
089	0.005	034	0.010	087	0.010
106	<0.005	036	0.005	090	0.015
107	0.020	038	0.005	092	0.005
114	<0.005	040	0.005	094	0.005
116	0.005	043	0.025	096	0.005
		046	0.005	098	0.010

Method: A7/2  
50 g charge

A7/2

A7/2  
50g charge

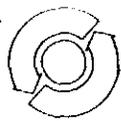
U40

ANALYSIS

g/tonne

SAMPLE MARK	GOLD Au	SAMPLE MARK	GOLD Au	SAMPLE MARK	GOLD Au
150100	0.005	21315 150032	0.010	21335 150086	0.015
102	0.005	16 035	0.040	36 088	0.005
104	<0.005	17 037	No Sample	37 091	0.005
108	<0.005	18 039	0.015	38 093	<0.005
110	0.010	19 041	0.005	39 095	0.005
112	<0.005	21320 044	0.005	21340 097	0.010
		21 047	0.005	41 099	0.005
21301 150002	0.025	22 050	0.045	42 101	0.005
02 004	0.005	23 052	0.015	43 103	<0.005
03 005 <sup>6?</sup>	0.040	24 054	0.025	44 105	0.005
04 009	0.040	25 056	0.010	45 109	0.005
213 05 012	0.025	26 058	0.015	46 111	0.005
213 07 014	0.005	27 060	0.005	47 113	0.005
08 016	0.030	28 062	0.010	21348 115	<0.005
09 018	0.040	29 064	0.010		
10 020	0.010	21330 066	0.010	150070	0.005
11 022	0.005	31 068	0.005	071	0.010
12 024	0.005	32 079	0.015	072	0.010
13 027	0.010	33 081	0.025	073	<0.005
21314 030	0.050	21334 084	0.020	074	<0.005
				076	0.005
				077	0.005
Method:	A7/2		A7/2		A7/2
			50g charge		

041



amdel

191044

Analysis code A1/1,2

Report AC 2412/85

Page G1

NATA Certificate

Order No. E 13343

Results in ppm

Sample	Ag	Tl	Cu	Zn	V	Cd
150007	<1	<10	7	34	20	<1
150010	<1	<10	3	10	35	<1
150025	<1	<10	11	18	<20	<1
150028	<1	<10	7	34	30	<1
150033A	<1	<10	23	135	70	<1
150033B	<1	<10	6	23	<20	<1
150042	<1	<10	8	41	35	<1
150045A	<1	<10	7	33	<20	<1
150045B	<1	<10	16	66	30	<1
150048	<1	<10	4	36	<20	<1
150069A	<1	<10	8	58	40	<1
150069B	<1	<10	4	35	20	<1
150075	<1	<10	<2	3	<20	<1
150082	<1	<10	31	19	45	<1
150089	<1	<10	<2	17	<20	<1
150106	<1	<10	66	20	40	<1
150107	<1	10	13	74	<20	<1
150114	<1	<10	62	20	30	<1
150116	<1	<10	19	26	25	<1
150001	<1	<10	4	30	<20	<1
150003	<1	<10	4	38	20	<1
150005	<1	<10	2	54	<20	<1
150008	<1	<10	5	66	30	<1
150011	<1	<10	5	29	25	<1
150013	<1	<10	7	40	<20	<1
150015	<1	<10	12	29	30	<1
150017	<1	<10	3	9	<20	<1
150019	<1	<10	5	5	<20	<1
150021	<1	<10	8	7	25	<1
150023	<1	<10	4	3	<20	<1
150026	<1	<10	9	54	55	<1
150029	<1	<10	8	115	25	<1
150031	<1	<10	5	76	25	<1
150034	<1	<10	10	98	45	<1
150036	<1	<10	13	185	80	<1
150038	<1	<10	9	94	35	<1
150040	<1	<10	3	14	<20	<1
150043	<1	<10	3	13	<20	<1
150046	<1	<10	6	74	25	<1
150049	<1	<10	6	47	25	<1

Detn limit

(1)

(10)

(2)

(2)

(20)

(1)

042



191045

Analysis code A1/1,2

Report AC 2412/85

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NATA Certificate

Order No. E 13343

Results in ppm

Sample	Ag	Tl	Cu	Zn	V	Cd	
150051	<1	<10	8	64	25	<1	
150053	<1	<10	10	36	25	<1	
150055	<1	<10	6	46	25	<1	
150057	<1	<10	4	29	<20	<1	
150059	<1	<10	3	35	20	<1	
150061	<1	<10	8	32	20	<1	
150063	<1	<10	13	29	30	<1	
150065	<1	<10	5	58	30	<1	
150067	<1	<10	7	88	35	<1	
150078	<1	<10	11	32	40	<1	
150080	<1	<10	6	48	55	<1	
150083	<1	<10	2	9	<20	<1	
150085	<1	<10	<2	11	<20	<1	
150087	<1	<10	5	30	<20	<1	
150090	<1	<10	3	5	<20	<1	
150092	<1	<10	3	4	<20	<1	
150094	<1	<10	3	11	<20	<1	
150096	<1	<10	5	14	20	<1	
150098	<1	<10	3	30	20	<1	
150100	<1	<10	6	38	35	<1	
150102	<1	<10	7	40	45	<1	
150104	<1	<10	7	30	30	<1	
150108	<1	<10	<2	8	<20	<1	
150110	<1	<10	13	26	35	<1	
150112	<1	<10	5	33	40	<1	
150002	21301	<1	<10	45	78	75	<1
150004	02	<1	<10	9	58	40	<1
150006	03	<1	<10	12	120	45	<1
150009	04	<1	<10	6	70	50	<1
150012	05	<1	<10	4	40	25	<1
150014	21307	<1	<10	8	52	70	<1
150016	08	<1	<10	6	20	20	<1
150018	09	<1	<10	6	11	<20	<1
150020	21310	<1	<10	5	6	20	<1
150022	11	<1	<10	4	6	<20	<1
150024	12	<1	<10	4	4	25	<1
150027	13	<1	<10	15	74	45	<1
150030	14	<1	<10	12	155	45	<1
150032	15	<1	<10	7	66	35	<1
150035	16	<1	<10	11	58	45	<1

Detn limit (1) (10) (2) (2) (20) (1)

043



amdel

191046

Analysis code Al/1,2

Report AC 2412/85

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NATA Certificate

Order No. E 13343

Results in ppm

Sample	Ag	Tl	Cu	Zn	V	Cd
150037 21317	<1	<10	16	120	75	<1
150039 18	<1	<10	9	105	35	<1
150041 19	<1	<10	4	4	<20	<1
150044 21320	<1	<10	5	13	20	<1
150047 21	<1	<10	6	64	30	<1
150050 22	<1	<10	6	58	45	<1
150052 23	<1	<10	21	30	70	<1
150054 24	<1	<10	6	16	30	<1
150056 25	<1	<10	5	43	35	<1
150058 26	<1	<10	6	34	30	<1
150060 27	<1	<10	8	50	30	<1
150062 28	<1	<10	4	30	<20	<1
150064 29	<1	<10	9	26	25	<1
150066 21330	<1	<10	14	78	45	<1
150068 31	<1	<10	10	100	55	<1
150079 32	<1	<10	8	27	30	<1
150081 33	<1	<10	9	38	45	<1
150084 34	<1	<10	3	6	<20	<1
150086 35	<1	<10	4	14	20	<1
150088 36	<1	<10	4	12	<20	<1
150091 37	<1	<10	4	7	20	<1
150093 38	<1	<10	2	5	<20	<1
150095 39	<1	<10	4	8	20	<1
150097 21340	<1	<10	7	16	<20	<1
150099 41	<1	<10	11	28	30	<1
150101 42	<1	<10	6	39	50	<1
150103 43	<1	<10	7	42	40	<1
150105 44	<1	<10	7	25	25	<1
150109 45	<1	<10	6	27	30	<1
150111 46	<1	<10	5	11	<20	<1
150113 47	<1	<10	9	27	70	<1
150115 21348	<1	<10	36	84	80	<1
150070	<1	<10	7	19	180	<1
150071	<1	<10	6	20	110	<1
150072	<1	<10	10	16	55	<1
150073	<1	<10	7	12	65	<1
150074	<1	<10	6	21	50	<1
150076	<1	<10	19	54	65	<1
150077	<1	<10	15	36	65	<1

Detn limit

(1)

(10)

(2)

(2)

(20)

(1)

044

191047



The Australian  
Mineral Development  
Laboratories

# amdel

3/786/0 - AC 2412/85

6 February 1985

Flemington Street, Frewville,  
South Australia 5063  
Phone Adelaide 79 1662  
Telex AA 82520

## NATA CERTIFICATE

**RECEIVED**

11 FEB 1985

Please address all  
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SA 5063  
In reply quote:

### REPORT COMPLETE

Mr. Jonathon Suppree,  
Amoco Minerals Australia Company,  
61 Counsel Street,  
ZEEHAN TASMANIA 7469

MAYDEN A

### REPORT AC 2412/85

YOUR REFERENCE:

Despatch Number 4931  
Order Number E 13343

REPORT COMPRISING:

Cover Sheet  
Pages 1 - 2

DATE RECEIVED:

4 December 1984

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Analytical Chemistry Division

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cc Mr. B. Roxburgh,  
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P.O. Box 949,  
NORTH SYDNEY NSW 2060

ij

045

ANALYSIS - ppm

SAMPLE MARK	MERCURY Hg	SAMPLE MARK	MERCURY Hg	SAMPLE MARK	MERCURY Hg
150007	0.20	15001	0.05	150049	0.05
010	0.10	003	0.10	051	0.15
025	0.05	013	0.10	053	0.10
028	0.15	005	0.10	055	0.05
033A	0.05	008	0.20	057	0.05
033B	<0.05	011	0.05	059	0.10
042	0.10	015	0.05	061	0.20
045A	0.15	017	0.05	063	0.15
045B	0.20	019	0.05	065	0.05
048	<0.05	021	0.05	067	<0.05
150069A	<0.05	023	<0.05	078	0.05
069B	0.10	026	0.30	080	0.05
075	<0.05	029	0.05	083	0.05
082	0.05	031	0.05	085	0.05
089	0.10	034	0.15	087	0.40
106	<0.05	036	0.05	090	0.20
107	0.25	038	0.15	092	0.35
114	0.05	040	0.10	094	0.05
116	0.30	043	0.05	096	0.05
		046	0.05	098	0.05

Method: A6/1

U46

ANALYSIS - ppm

SAMPLE MARK	MERCURY Hg	SAMPLE MARK	MERCURY Hg	SAMPLE MARK	MERCURY Hg
150100	<0.05	21316	150035	Insufficient Sample	21316 150088 0.10
102	0.10				37 091 0.30
104	0.05	17	037	Insufficient Sample	38 093 0.15
108	0.05				39 095 0.25
110	0.05	18	039	Insufficient Sample	21346 097 0.10
112	<0.05				41 099 0.20
21301 150002	0.15	19	041	<0.05	42 101 0.10
02 004	0.15	21320	044	0.25	43 103 0.05
03 006	0.10	21	047	<0.05	44 105 0.10
04 009	0.25	22	050	0.05	45 109 0.25
05 012	0.05	23	052	0.05	46 111 0.05
21307 014	Insufficient Sample	24	054	0.15	47 113 0.10
		25	056	<0.05	21348 115 0.38
08 016	<0.05	26	058	0.10	150070 0.40
09 018	0.05	27	060	0.15	071 0.30
21310 020	Insufficient Sample	28	062	0.10	072 0.30
		29	064	0.10	073 0.15
11 022	0.05	21330	066	Insufficient Sample	974 0.15
12 024	0.05				076 0.15
13 027	0.10	31	068	Insufficient Sample	077 0.10
14 030	Insufficient Sample	32	079	0.15	
		33	081	0.15	
15 032	0.05	34	084	<0.05	
		35	086	0.20	

Method: A6/1

APPENDIX 2

PETROLOGIC REPORT

by Central Mineralogical Services

048

191051

# Central Mineralogical Services



39 Beulah Road  
Norwood, S.A. 5067  
Telephone 42 5659

Mr. J. Suppree  
Geologist  
Amoco Minerals Australia Co.  
61, Counsel Street  
ZEEHAN /TAS. 7469

19th December, 1984

## REPORT CMS 84/12/6

YOUR REFERENCE:	Order No. E 13348
DATE RECEIVED:	5th December, 1984
SAMPLE NOS.:	8 Samples
SUBMITTED BY:	J. Suppree
WORK REQUESTED:	Petrology

MAYDENIA

H.W. Fander, M. Sc.

049

REPORT CMS 84/12/6

Eight rock chip samples were received for petrological examination. Representative thin-sections were prepared and examined together with their respective offcuts, with carbonate and feldspar staining tests carried out as warranted. Attached tabulated descriptions summarise the microscopic data and include interpretative comments.

Summary

This suite comprises mainly sedimentary rocks with subordinate igneous types.

Sediments are dominantly psammopelitic, with a single impure dolomite, strictly a dolomitised impure limestone. Psammites exhibit variable stress and recrystallization effects, consistent with the temporally wide distribution (Precambrian to Palaeozoic) noted in the accompanying descriptive notes. The Precambrian quartzite is characterised by bluish quartz, typical of a wide range of Precambrian siliceous rocks.

Two examples of "quartz pebble" conglomeratic sediment may warrant analysis for Au.

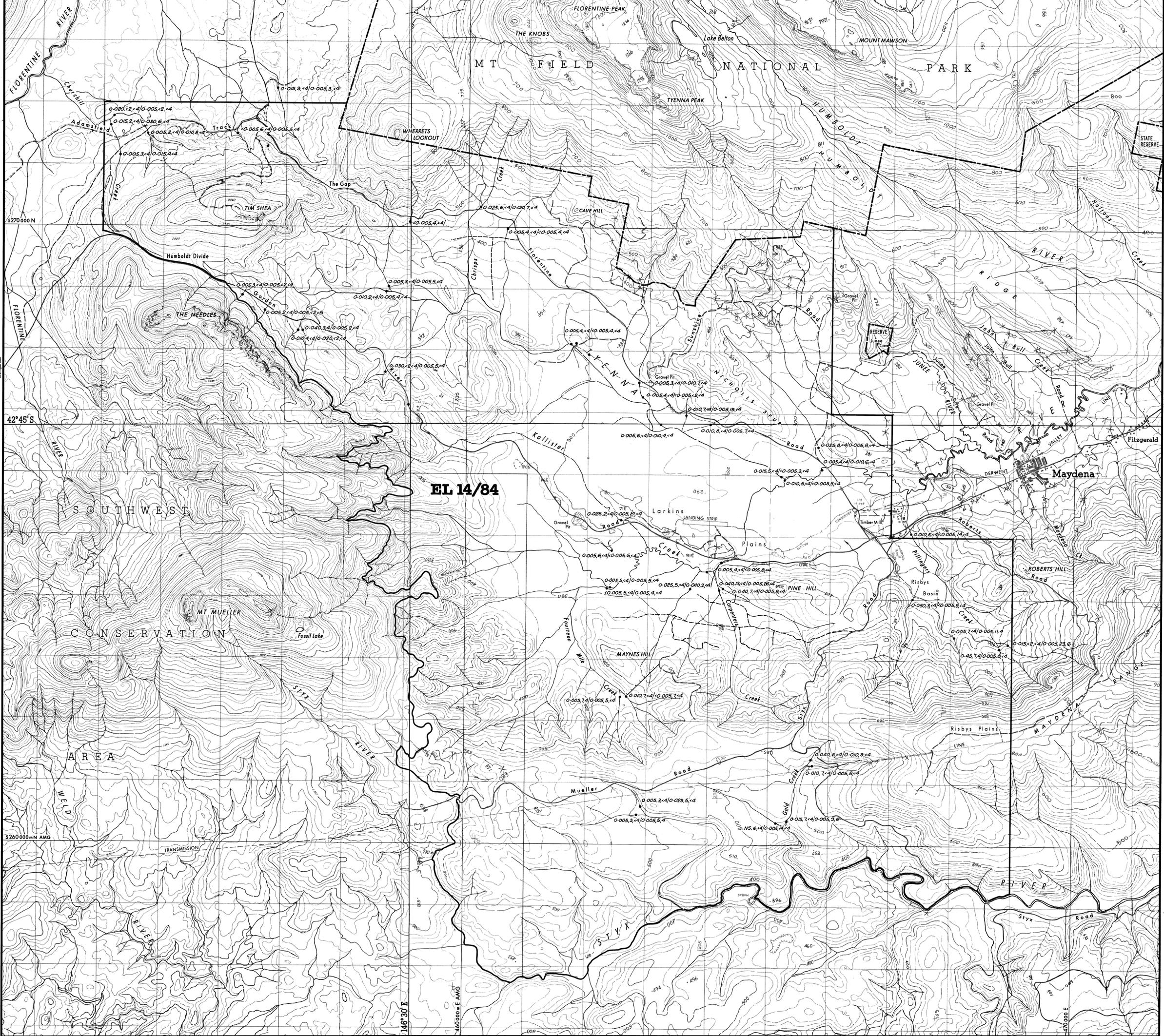
Igneous rocks comprise a medium-grained granitoid (biotite micro-adamellite), reflecting pneumatolytic greisenning (muscovitisation), and a quartz-feldspar porphyry with differentiated-intermediate characteristics.

There are no specific "Carlin-type" characteristics in this suite as a whole. It should be pointed out, however, that the alteration pattern at Carlin is rather subtle, and this conclusion may warrant reconsideration on the basis of assay data (notably anomalous and correlative Au and As).

D. Cowan, B. Sc.

Sample No.	Classification - Composition	Fabric	Accessories	CENTRAL MINERALOGICAL SERVICES Comments
150007 (T.S. 52215)	Quartz-Sericite-Chlorite Rock. Incipiently rutile-stained quartz with intergranular films, feldspar-replacive clots of fine to semi-sericitic muscovite, minor closely intergrown chlorite.	Medium-grained, anhedral, stressed/weakly recrystallized quartz. Relict weakly banded "quartzitic" textures.	Thinly disseminated sericitised/chloritised biotite, zircon, leucoxenic opaques, pyritised pyrrhotite, corroded relicts orthoclase.	Devoid of tangible altered igneous characteristics. Interpreted as a (sericite-chlorite-altered) weakly feldspathic metaquartzite on relict textural grounds.
150025	Impure Dolomite. Fine sparry dolomite with subordinate to minor kaolin-illite, minor relicts of microcrystalline calcite, carbonaceous matter, ultrafine pyrite. Sporadic impure siderite and late calcite veinlets.	Laminated/weakly shaley-parted on sub- to millimetric scale. High-angle discordant veinlets.	Traces of silt-sized detrital quartz/white mica flakes.	Dolomitised impure (argillaceous, weakly carbonaceous, pyritic, silty) limestone. Siderite veinlets, partly calcite-selvedged, grade into cross-cutting calcite veinlets.
150045	Mica-Adamellite. Quartz, orthoclase-microperthite and variably sericitised oligoclase with disseminated flakes, clusters of muscovite and variably recrystallized, muscovite-chlorite-altered biotite.	Stressed/partly recrystallized, weakly quartz-feldspar-porphyrific, medium-grained granitic.	Cloudy metamict monazite (inclusions in biotite). Minor traces of magnetite, apatite.	Moderately greisenized (muscovitised), stressed and partly recrystallized porphyritic biotite <u>micro-adamellite</u>
150048	Weathered Arkose. Framework of angular to subangular quartz, subordinate weakly kaolinitic (weathered) feldspar (oligoclase-albite, orthoclase) grains, minor chert, felsite clasts. Ill-defined Fe-stained argillitic cement. unstressed.	Poorly sorted (fine to coarse), incipiently bedded sandstone. Poorly lithified, illitic cement. unstressed.	Minor overgrowth quartz cement. Minor clastic biotite, muscovite, pelite clasts.	Poorly consolidated arkosic (granite derived, weakly acid-volcanomict) sandstone. Poorly sorted, angular, essentially massive (unbedded).
150069	Altered Porphyry. Phenocrysts of weakly sericitic albite, subordinate quartz, chlorite-phlogopite-pseudomorphed amphibole, minor sanidine in a chlorite-sericite-stained microcrystalline quartzfeldspathic groundmass.	Incipiently flow-structured, porphyritic.	Conspicuous leucoxenised opaques, traces of apatite, altered phenocrystal pyroxene?, minor cognate xenoliths.	Broadly <u>rhyodacitic</u> , with differentiated intermediate characteristics. Fabric consistent with a mildly chilled minor intrusive. Deuterically altered.
150075	Pebbly Orthoquartzite. Framework of fine to medium sand-sized, sub- to rounded quartz with interspersed quartz cement.	Sand-matrixed conglomerate. Stressed framework, partly recrystallized/directed cement.	Minor clasts of chert, weakly (ferruginised) micaceous quartz. Rare detrital schorl.	Stressed/partly recrystallized "quartz pebble" conglomerate.
150107	Ferruginised Psammopelite. Loose framework of silt- to sand-sized quartz grains, composites, disseminated clasts of sericitic pelite. Limonitic (ferruginised-argillaceous) matrix.	Weakly bedded, silty sandy pelitic.	Minor detrital muscovite, oxidised/leucoxenised opaques. Minor secondary limonite veinlets.	Thoroughly ferruginised sandy pelite. Finer detail obscured by weathering. Ferruginisation effects. "Boxworks" are degraded/leached lithic clast
150116 (T.S. 52222)	Sericitic Grit. Framework of quartz grains, composites, chert/impure chert and quartzite clasts. Sparse cherty quartz/sericite matrix/cement.	Poorly sorted (gritty, slightly pebbly) sandy clastic. Bedded on centimetric scale. Moderately stressed.	Traces carbonaceous matter. Minor degraded clastic opaques.	"Quartz pebble" gritty/pebbly sandstone. Affinities with 150075, but with conspicuous chert clasts. Reflects mild sericitic alteration.

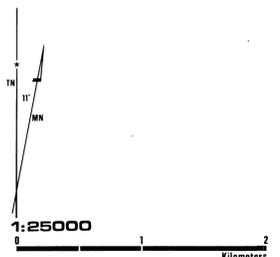




Contour Interval 50' (17 m) Contour Interval 20m



Base reproduced from 1:20000 Tyenna 2.3, 6, 7 and 1:31600 Pedder B, Hentley D machine plots acquired from the Tasmanian Lands Department



**Notes**

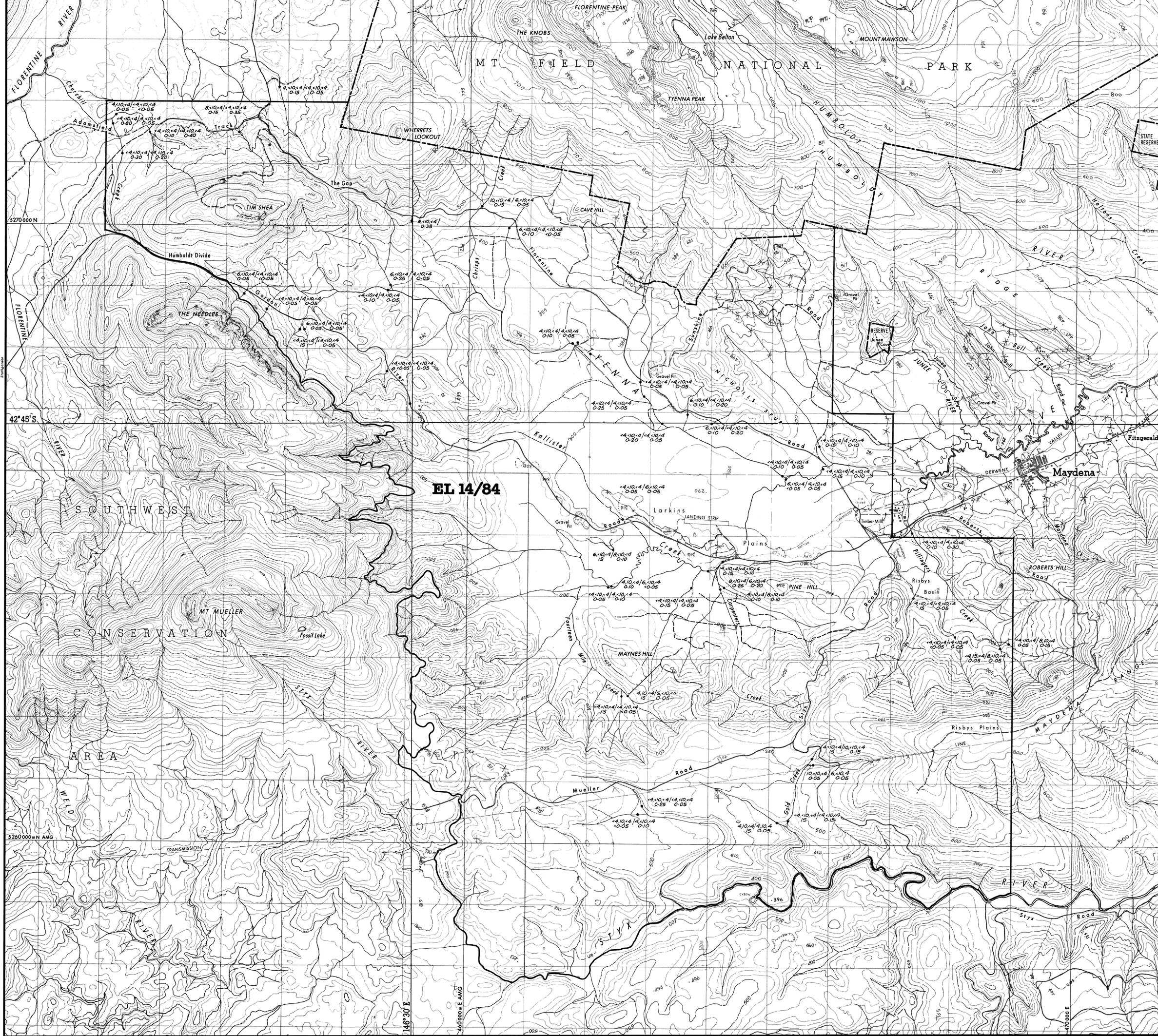
Order of results - Au, As, Sb  
All assay results in ppm

Stream sediment assays  $\sim 0.005, 4, 7 / 0.010, 3, 8$   
Panned concentrate assays

**AMOCO** 191055  
Amoco Minerals Australia Company

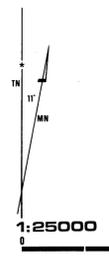
Project	<b>HEEMSKIRK</b>	Nº <b>A-84-111</b>
Project Partner	<b>Maydena EL 14/84</b>	
		<b>2296</b>
<b>STREAM SEDIMENT GEOCHEMISTRY</b>		
<b>Au, As, Sb</b>		
Map Ref. ANG	K-55-5.6.78	Latitude 42°45'S Longitude 146°30'E
Surveyed	J. Suppre	Date November 1984 Scale 1:25000
Drawn	S. Fowler	Date April 1985 Drawing Nº M85-2232
Report 435		

85-23757



Contour Interval 50' (17 m) Contour Interval 20m

191036 5 cm



**Notes**

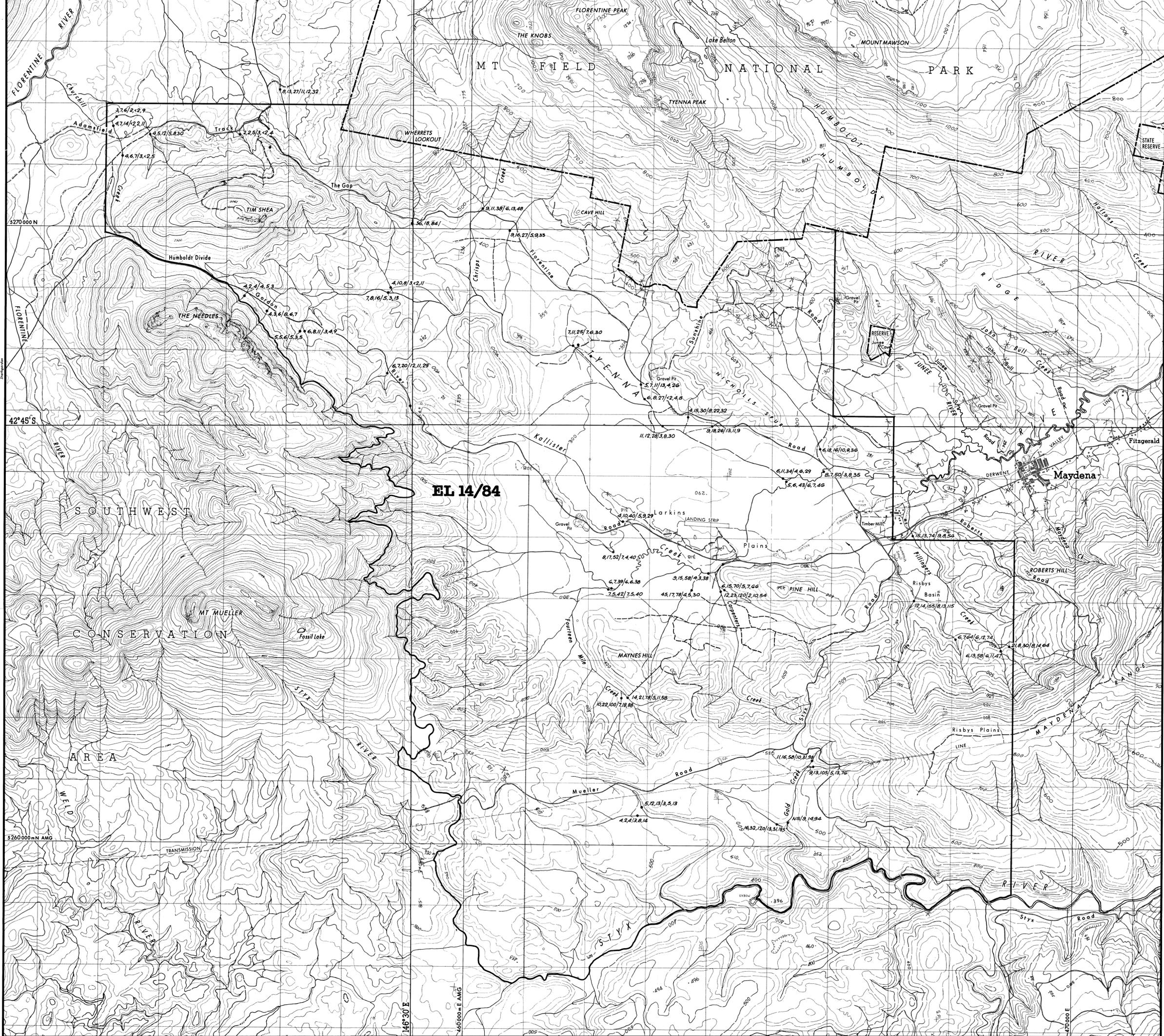
Order of results - Sn, W, Mo, Hg  
 All assay results in ppm

Stream sediment assays  $\frac{4.10.4}{0.10} / \frac{6.10.4}{0.10}$   
 Panned concentrate assays  $\frac{4.10.4}{0.10} / \frac{6.10.4}{0.10}$

**AMOCO**  
 Amoco Minerals Australia Company

Project	<b>HEEMSKIRK</b>	Nº	<b>A-84-111</b>
Project Partner			<b>2297</b>
<b>Maydena EL 14/84</b>			
<b>STREAM SEDIMENT GEOCHEMISTRY</b>			
<b>Sn, W, Mo, Hg</b>			
Map Ref. ANG	K-55-5.6.78	Latitude	42°45'S
		Longitude	146°30'E
Surveyed	J. Suppre	Date	November 1984
		Scale	1:25000
Drawn	S. Fowler	Date	April 1985
		Drawing Nº	M85-2233
Report	435		

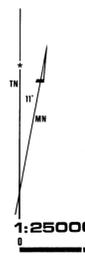
85-23751



Contour Interval 50' (17 m) Contour Interval 20m

191057

5 cm



**Notes**

Order of results - Cu, Pb, Zn  
All assay results in ppm

Stream sediment assays 5.12/3.5,3.0  
Panned concentrate assays 5.12/3.5,3.0

**AMOCO**  
Amoco Minerals Australia Company

Project	<b>HEEMSKIRK</b>	Nº	<b>A-84-111</b>
Project Partner			<b>2298</b>
<b>Maydena EL 14/84</b>			
<b>STREAM SEDIMENT GEOCHEMISTRY</b>			
<b>Cu, Pb, Zn</b>			
Map Ref. ANG	K-55-5.678	Latitude	42°45'S Longitude 146°30'E
Surveyed	J. Suppre	Date	November 1984 Scale 1:25000
Drawn	S. Fowler	Date	April 1985 Drawing Nº M85-2234
Report	435		

**85-2375**

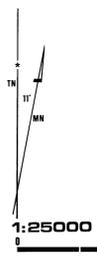


Contour Interval 50' (17 m) Contour Interval 20m

191058



Amoco Minerals Australia Company



**Notes**

Order of results - Cu, Pb, Zn, Au, As, Sb, Sn, W, Mo, Hg  
All assay results in ppm

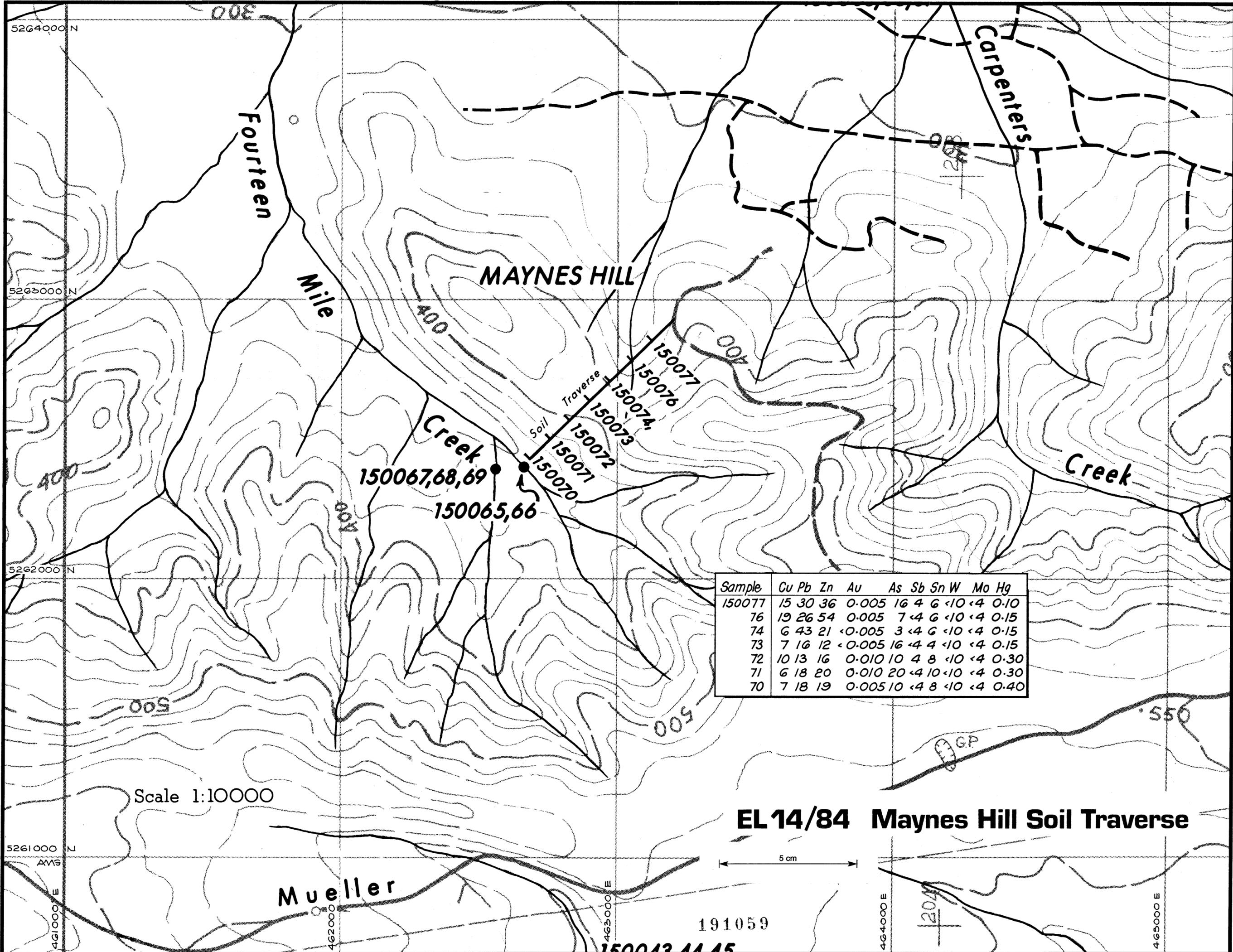
Petrographic description (see Appendix 2) ... PD

85-2375

85-2375

Project	HEEMSKIRK	Nº A-84-111
Project Partner	Maydena EL 14/84 2299	
<b>ROCKCHIP GEOCHEMISTRY</b>		
Map Ref. ANG	K-55-5.678	Latitude 42°45'S Longitude 146°30'E
Surveyed	J. Supree	Date November 1984 Scale 1:25000
Drawn	S. Fowler	Date April 1985 Drawing Nº M85-2235
Report 435		

Base reproduced from 1:20000 Tyenna 3, 3, 6, 7 and 1:31680 Pedder B. Huntley D machine plots acquired from the Tasmanian Lands Department



Sample	Cu	Pb	Zn	Au	As	Sb	Sn	W	Mo	Hg
150077	15	30	36	0.005	16	4	6	<10	<4	0.10
76	19	26	54	0.005	7	<4	6	<10	<4	0.15
74	6	43	21	<0.005	3	<4	6	<10	<4	0.15
73	7	16	12	<0.005	16	<4	4	<10	<4	0.15
72	10	13	16	0.010	10	4	8	<10	<4	0.30
71	6	18	20	0.010	20	<4	10	<10	<4	0.30
70	7	18	19	0.005	10	<4	8	<10	<4	0.40

**EL 14/84 Maynes Hill Soil Traverse**

5 cm