

000

891001

82-1854

2 NOV 1982

2 NOV 1982

D of M	A.O.	C.G.	E.O.	D.S.M.E
				Registrar
Received	2 - NOV 1982			E & IL
Answered				
DEPT. OF MINES				
REF. No. 9048/82				

OPEN FILE

MICROFILMED

PROGRESS REPORT
 EXPLORATION LICENCE 16/78
 MEREDITH
 TASMANIA

For six months ending October 19, 1982

Distribution:

Dept. of Mines, Tasmania
 Hawthorn East Office
 Burnie Office

J. R. Sise
 Project Geologist
 October 7, 1982

001

691002

TABLE OF CONTENTS

	<u>PAGE NO.</u>
SUMMARY	1
INTRODUCTION	1
DIAMOND DRILLING	2
PROPOSED FURTHER WORK	3
EXPENDITURE	3
REFERENCES	7

APPENDICES

APPENDIX 1 - Drill Log and Assay Data for DDH. MY.2

LIST OF PLATES

<u>PLATE NO.</u>	<u>TITLE</u>	<u>SCALE</u>
MER 12 (In text)	Locality Map	1:100,000
MER 22 (Sheet 2)	Mt. Youngbuck Grid - Outcrop Geology	1:1,000
MER 48	Cross Section Line 29640N: MY.2	1:500

002

SUMMARY

The revised conditions governing Exploration Licences require that the Meredith Licence be reduced to a maximum of 125 sq km within two years and that exploration be completed during a further four years from the next renewal date, namely October 20, 1982.

The summer field programme for the 1981-82 season was concluded with the completion of diamond drill hole MY.2 on the Mt. Youngbuck grid. Minor tungsten and trace tin mineralisation was recorded from the calc-silicate/skarn horizon being investigated.

Work proposed in the forthcoming summer programme includes diamond drilling, follow-up of geochemical anomalies and reconnaissance geological mapping.

An amount of \$133,202.20 has been spent on the Meredith Licence for the period ending 19th October, 1982.

INTRODUCTION

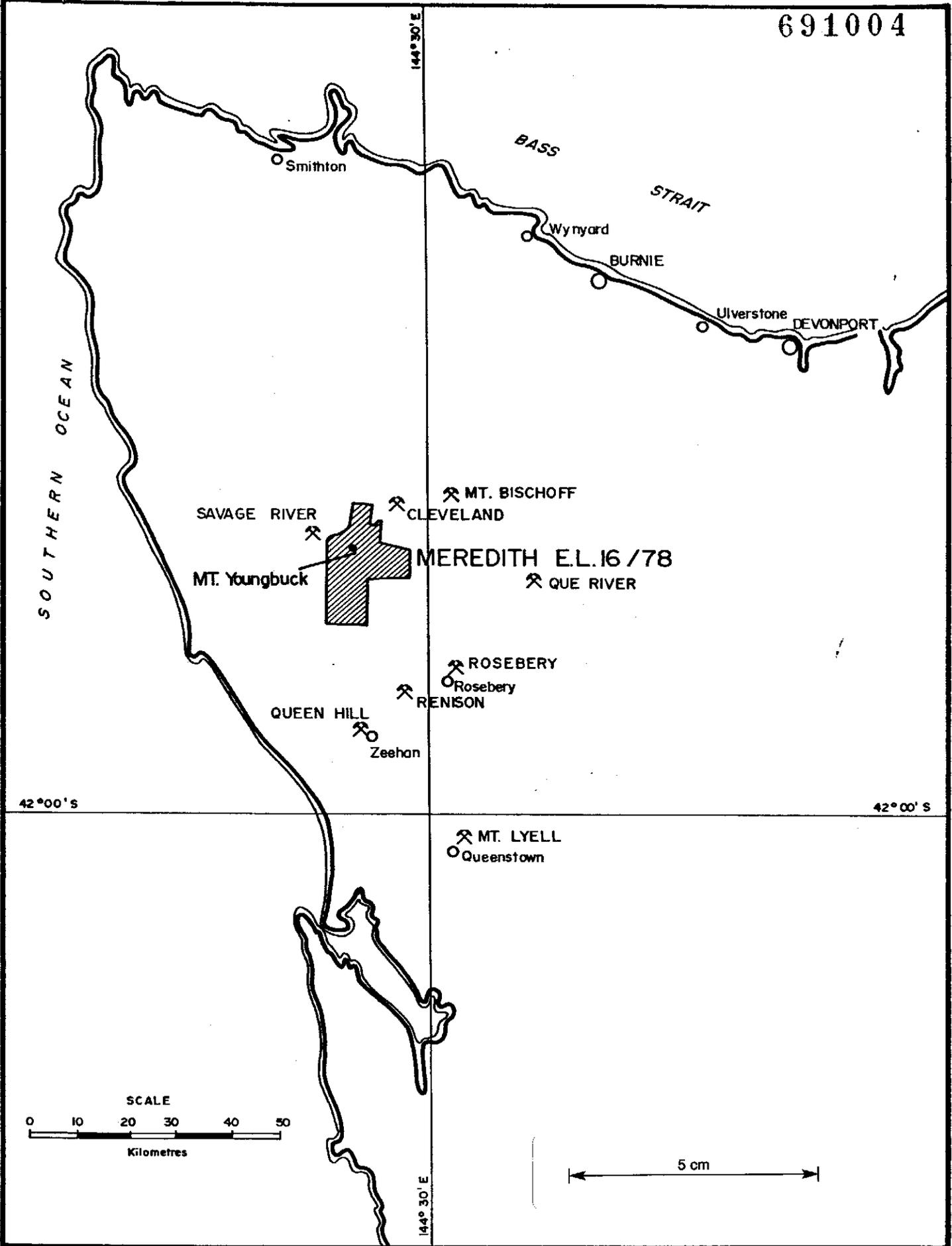
The general conditions governing Exploration Licences have recently been reviewed by the Department of Mines with important changes taking effect from the 1st July, 1982.

Full technical reports on exploration activities are now required on an annual basis to coincide with and support the new twelve month renewal period of licences. The anniversary and hence the renewal date for exploration licence 16/78 - Meredith (Plate MER 12) is the 20th day of October each year. This six month progress report is submitted to bring the reporting cycle into line with the revised conditions and will be followed in October 1983 by an annual report.

A further change in conditions to affect the Meredith Licence is that the licence area of 225 sq km exceeds the maximum area permitted for a five year old licence, namely 125 sq km.

003

691004



Aberfoyle Exploration Pty Ltd

Drawn:	R.J.E.
Traced:	
Checked:	
Revised by:	Date:

NORTH WEST TASMANIA
 MEREDITH E.L. 16/78
 Locality Map

Location code:	
Date:	September, 1979
Scale:	1 : 1,000,000
Plate No	Mer 12

004

On the 20th October, 1982, the licence will commence its fifth year of tenure, and it is required that the licence be reduced to at least the maximum permitted area (125 sq km) after two years, and that exploration be completed during a further four year period, namely by the 20th October, 1988.

The exploration programme during the 1981-82 summer field season concentrated on further grid coverage and diamond drilling of a skarn horizon on Mt. Youngbuck, and geochemical follow-up in the Upper Castray River area. Progress Report for the six months to 20th April, 1982 (Joyce, 1982), detailed these activities with the exception of diamond drill hole MY.2 which was not completed by the report date.

Details of this drill hole form the basis of this report.

DIAMOND DRILLING

Exploration drill hole MY.2 (Plate MER 48) at Mt. Youngbuck grid co-ordinates 29640N, 29450E (Plate MER 22 - Sheet 2) was commenced on the 30th March and completed on the 23rd April, 1982, at a depth of 88.55 metres. The drill hole was designed to test the scheelite-bearing skarn horizon, 100 metres south of its intersection in diamond drill hole MY.1.

The hole was collared in purple-brown, fine grained tuffaceous sandstones and siltstones, and intersected a sequence of variably mineralised calc-silicate hornfels (skarns) from 32.50 to 74.12 metres. Doleritic intrusives, possibly sills, were encountered between 57.10 and 59.50 metres, and 63.30 and 71.20 metres with indications of fine grained chilled margins. From 74.12 metres to the end of the hole a sandstone-siltstone sequence, similar to the unit in which the hole commenced, was intersected.

The drill log of hole MY.2 which correlates with the stratigraphy recorded in drill hole MY.1, is appended.

Assay results for the intervals 32.50 to 63.25 metres and 71.20 to 74.2 metres are available. Tin values are universally low, with the peak tungsten response being 0.4% over a two metre interval. (See Appendix 1)

005
Further petrological work is planned on the drill cores to determine skarn mineralogy and possible zonal relationships. A suite of 17 samples from MY.1 was supplied to Mr. P. L. F. Collins of the Department of Mines, Hobart, for study.

PROPOSED FURTHER WORK

- . Two drill holes are planned on the Mt. Youngbuck grid to trace the stratigraphy to the north and to test geophysical targets. A ground EM survey will be run to aid in the location of the drill sites.
- . Stream and soil geochemical anomalies in the Upper Castray River area (Ifield Creek) will be followed up.
- . The northern contact zone of the Meredith Granite will be reconnoitred between Ifield Creek and Betts Track.

EXPENDITURE

The Statement of Expenditure for Exploration Licence 16/78 for the six months to 20th April, 1982, as detailed in the previous report (Joyce, 1982) included several accrued expenditures relating to the diamond drilling. Final costs are now available for the 1981-82 summer programme and are itemised in the following Statement of Expenditure which pertains to Aberfoyle Periods 1/82 to 11/82, commencing November 16, 1981, and ending on October 19, 1982:

EXPENDITURE FROM NOVEMBER 16, 1982 TO OCTOBER 19, 1982

006

GLREP PERIOD: 11
 ABERFOYLE EXPLORATION PTY LTD - CAMBERWELL

COST REPORT

34 MEREDITH EL 16/78

24OCT82 15:24

PAGE 100

ACCOUNT	PAYMENTS YTD
MEREDITH EL 16/78	

BUDGET	

SUNDRIES	

MATERIALS	49.80
ACCOMMODATION/TRAVEL	73.65
FUEL	53.25
COMMUNICATIONS	6.00
SUNDRIES	46.73
BUDGET	0.00

SUNDRIES	229.43
GEOLOGY	

SALARIES	14170.00
WAGES	984.00
CONTRACTORS	295.00
MATERIALS	1168.72
ACCOMMODATION/TRAVEL	3028.41
FUEL	739.83
COMMUNICATIONS	24.29
EQUIPMENT USE	930.00
SUNDRIES	10.00
FREIGHT	115.50
VEHICLE EXPENSES	4249.96
BUDGET	0.00

GEOLOGY	25715.71
SURVEY	

MATERIALS	150.00
BUDGET	0.00

SURVEY	150.00
GEOPHYSICS	

SALARIES	514.00
WAGES	248.00
MATERIALS	41.84
FUEL	7.00
SUNDRIES	67.00
FREIGHT	21.58
BUDGET	0.00

691007

007

GLREF PERIOD: 11
ABERFOYLE EXPLORATION PTY LTD - CAMBERWELL

COST REPORT

34 MEREDITH EL 16/78

24OCT82 15:24

PAGE 101

ACCOUNT	PAYMENTS YTD
GEOPHYSICS	899.42
GEOCHEMISTRY	

SALARIES	257.00
WAGES	8462.00
MATERIALS	942.69
ACCOMMODATION/TRAVEL	420.25
FUEL	44.40
FREIGHT	29.42
BUDGET	0.00
GEOCHEMISTRY	10155.76
DIAMOND DRILLING	

SALARIES	4777.00
WAGES	2844.00
CONTRACTORS	30748.00
MATERIALS	8555.60
ACCOMMODATION/TRAVEL	534.47
FUEL	1920.96
COMMUNICATIONS	250.00
EQUIPMENT USE	78.00
SUNDRIES	76.33
FREIGHT	54.70
VEHICLE EXPENSES	3283.00
BUDGET	0.00
DIAMOND DRILLING	53122.06
ASSAYS	

CONTRACTORS	10633.50
BUDGET	0.00
ASSAYS	10633.50
ACCESS	

SALARIES	691.00
WAGES	337.00
CONTRACTORS	8127.50
MATERIALS	677.76
ACCOMMODATION/TRAVEL	12.40
FUEL	67.98
EQUIPMENT USE	1365.00
VEHICLE EXPENSES	25.00
BUDGET	0.00

- 5 -

691008

GLREP PERIOD: 11
ABERFOYLE EXPLORATION PTY LTD - CAMBERWELL

COST REPORT

24OCT82 15:24

PAGE 13

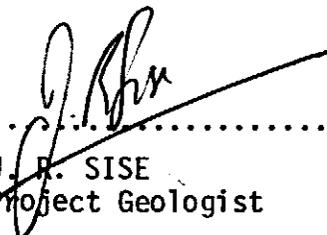
34 MEREDITH EL 16/78

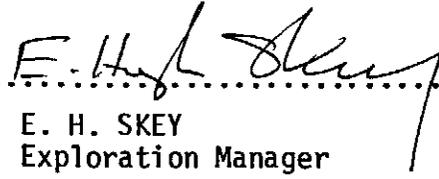
ACCOUNT	PAYMENTS YTD
ACCESS	11293.64
TENURE	
----- SALARIES	441.00
TENEMENT COSTS	3187.50
BUDGET	0.00
TENURE	3628.50
INDIRECT COSTS	115828.02
INDIRECT COSTS	
----- ADMINISTRATION	17374.18
BUDGET	0.00
INDIRECT COSTS	17374.18
BUDGET	133202.20
MEREDITH EL 16/78	133202.20

009

REFERENCES

Joyce, R. M. (1982): Meredith Granite Project. Progress Report for the six months ending April 20, 1982.

SIGNED: 
.....
J. R. SISE
Project Geologist

ENDORSED: 
.....
E. H. SKEY
Exploration Manager

010

691011

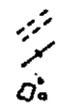
APPENDIX 1

Drill Log and Assay Data for DDH. MY.2

012

Feature

Bedding
Foliation
Fragment
size B shape



Shearing
Fault
Vein



Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

691013

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	5								
	6.00	START NO CORING.							
	0.50	Weathered, and very badly broken, purple-brown, fine tuffaceous sandstones and siltstones. Minor pale grey coarse sandy buff.							
	1.50								
	10								
	0.50								
	2.30								
	15								
	0.50								
	20								
	0.10								
	22.55								
	1.10	Pale green-grey, finely bedded, heavily tremolite-diopside altered, dolomitic(?) tuffaceous sandstones and siltstones. Subordinate purplish tuffaceous material.							
	25								

Minor Fe-oxide staining on fracture surf.

θ=52°

014

ADVERTULE

DIAMOND DRILL LOG

HOLE N 12

Feature Bedding Shearing Foliation Fault Fragment Vein size & shape

Mineralization Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

691015

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	3.02								Mag 5-7, Trace py, Tr. schalite
	2.98							52.05	Nil.
	3.00							55	15cm mag. Ho, Py Tr.
	3.00	57.10 Purple-brown, massive, fine grained Doleritic(?) intrusive (?). Apparent sub-ophitic texture. Pale grey cloudy diopside alteration at contacts.						55-50	Mag 20-30, Py 1-2, Tr. schalite
	2.97	59.50 Green-black and brownish, veined and locally brecciated calc-silicate horafels. Proximity to fault-zone has probably caused pervasive veining.						56.72	Trace cpy, Po
	2.22	63.30 Green, soft and puggy, heavily altered (clay-chlorite-carbonate?), m.g. Sub-ophitic doleritic(?).						57.10	Trace pyrite in veinslets.
	2.94	66.22 Green-brown, massive, medium grained sub-ophitic doleritic intrusive. Contact at 71.20m is marked by fine cloudy diopside alteration, and Apparent fine grained "chilled margin".						59.50	Mag 10-15, Tr py, Trace schalite
	3.03	71.20 Pale and dark green, crudely banded calc-silicate rocks. 71.47 to 72.54 - dark green hastingsitic skarn with dissem. sulphides. common p-green-grey fine diopside alteration. Minor small scale folding (72.80 to 73.10 m). Occasional interbedded buffaceous material.						60.30	Po, Py to 1%.
	2.99	74.12 Purple-brown, compact, fine buffaceous siltstones and shales.						62.86	Trace Po.
	75							65	Trace Po.
								66.22	Po 1 disseminated.
								70	
								71.20	
								71.47	Po 3-5, Py 1-2, cpy Tr
								72.84	Trace Po.
								75	Trace py and po

016

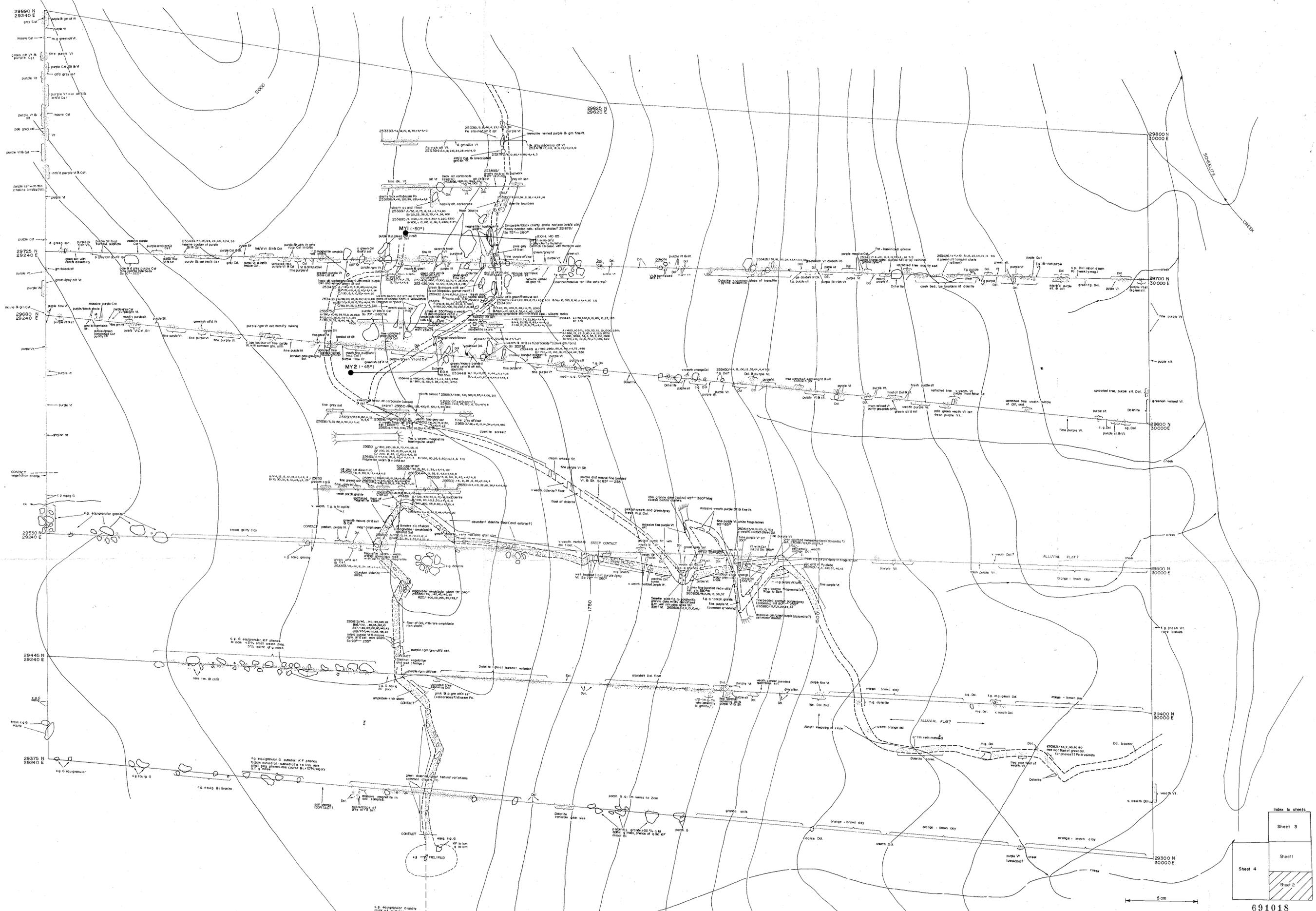
691017

PAGE 1 OF 1

Note: Intervals not analysed should be recorded such that a complete hole is itemised.
 For any section not analysed, a value -5.00 should be entered in the relevant assay columns.
 It is not necessary to record a zero.

PROGRAM										PROGRAMMER										DATE									
HOLE IDENT.	DISTANCE FROM COLLAR TO BOTTOM OF SAMPLE (metres)	ASSAY		ASSAY		ASSAY		ASSAY		ASSAY		grammes per Tonne SILVER		grammes per Tonne GOLD		SAMPL No.													
		ppm %	%	ppm	STANNITE	ppm	COPPER	ppm	ZINC	ppm	LEAD	ppm %	TUNGSTEN WO ₃																
	32.50	-5.00																											
	34.50	0.03			0.04						0.005					2657													
	36.50	0.04			0.03						0.020					2651													
	38.50	0.04			0.02						0.020					2651													
	40.50	0.04			0.05						0.010					2651													
	42.50	0.05			0.06						0.060					2652													
	44.50	0.05			0.05						0.165					2651													
	46.50	0.02			0.03						0.005					2651													
	48.50	0.03			0.03						0.035					2651													
	50.50	0.03			0.09						0.020					2652													
	52.50	0.04			0.05						0.405					2651													
	54.50	0.02			0.04						0.010					2651													
	56.50	0.03			0.04						0.035					2651													
	58.50	0.01			0.02						0.035					2651													
	60.50	0.06			0.02						0.010					2657													
	62.50	0.03			0.06						0.010					2651													
	63.25	0.01			0.08						0.010					2621													
	71.20	-5.00									0.005																		
	74.20	0.04			0.02						0.005					2652													

TN



Sheet 3	Index to sheets
Sheet 1	
Sheet 2	
Sheet 4	

691018

Aberfoyle Exploration Pty Ltd		NORTH WEST TASMANIA	
Geology: R.M.J.	Drawn: R.M.J.	Date: Dec. 1980	Location code:
MERE DITH E.L. 16 / 78		Scale: 1:1000	
MT. YOUNGBUCK GRID		Plan No: MER 22	
OUTCROP GEOLOGY		(Sheet 2)	

23775/ Rock chip sample location and assay results in ppm Sn, W, Cu, Pb, Zn, Mo, Bi, As
 Contour Interval 50'
 FOR GEOLOGY LEGEND REFER PLATE MER. 16

