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MICROFILMED

E.L. 11/67 Rossarden,
Aberfoyle Geochemical Analyses
1970-71

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798002

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

76 McLACHLAN AVE., RUSHCUTTERS BAY, N.S.W. 2011 TEL. 31 9011 TELEX: 21757 TELEGRAMS: "GEOCHEM" SYDNEY.

REGISTERED
LABORATORY
NUMBER 743

This laboratory is registered by the National Association of Testing Authorities, Australia.

The test(s) reported herein have been performed in accordance with its terms of registration.

Company: S.C.T.M. Co. N.Z.

Date Received: 21/12/70.

Day Book and
Sheet No.

Batch No.

Date Despatched: 12/1/71.

11048/1.

Analyst's Remarks: Cu Zn - Precision 10% at 500ppm level.

Typist: S. Collins.

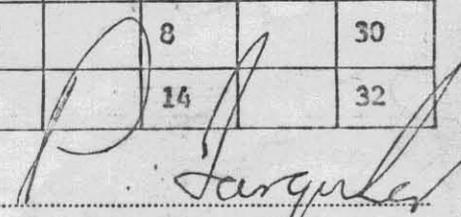
Analyst	E.T.	Z.M.					
Method	AAS HClO	AAS HClO					
Limit of detection	2	2					
Precision ± %	10%	10%					
Sample No.	Cu	Zn				Cu	Zn
41E 90N	8	30		43E 92.5N		8	18
90.5N	4	18		93		8	18
91N	6	18		43E 93.5		8	22
91.5N	4	40		43E 94.5N		10	28
92N	8	16		43E 95N		8	22
92.5N	8	26		95.5N		Sample not received.....	
93N	6	16		96N		6	20
93.5N	4	14		96.5N		4	62
94N	6	18		97N		8	18
94.5N	6	14		97.5N		4	16
Geological Standard	120	80				102	102
95N	4	12		98N		4	10
95.5N	2	8		98.5N		6	16
41E 96N	6	32		43E 99N		4	16
43E 89N	4	34		45E 88N		4	20
89.5N	6	18		88.5N		10	28
90N	6	22		89N		10	44
90.5N	8	42		89.5N		6	28
91N	4	20		90N		10	30
91.5N	6	18		90.5N		8	30
43E 92N	6	24		45E 91N		14	32

All results in parts per million unless otherwise indicated.

"X" indicates that the content of the element sought is below the limit of detection.

"Tr" indicates element detected but too low a concentration to be measured.

"—" means not determined.


 N.A.T.A. SIGNATORY

002

798004

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

76 McLACHLAN AVE., RUSHCUTTERS BAY, N.S.W. 2011 TEL. 31 9011 TELEX. 21757 TELEGRAMS: "GEOCHEM" SYDNEY.

REGISTERED
LABORATORY
NUMBER 743



This laboratory is registered by the National Association of Testing Authorities, Australia.

The test(s) reported herein have been performed in accordance with its terms of registration.

Company..... S.C. M. Co. N.L. Date Received 21/12/70. Day Book and Sheet No. 11848/1A.
Batch No. Date Despatched 12/1/71.

Analyst's Remarks: As - Precision 20% at 200ppm level.

Analyst	B.K.												
Method	GWZ												
Limit of detection	5												
Precision ± %	20%												
Sample No.	As											As	
41E 90N	5							43E 92.5N	5				
90.5N	5							93N	15				
91N	5							93.5N	5				
91.5N	5							43E 94.5N	20				
92N	15							95N	25				
92.5N	20							95.5N	Sample not received.				
93N	5							96N	5				
93.5N	5							96.5N	10				
94N	10							97N	15				
94.5N	15							97.5N	5				
Geological Standard	300								300				
95N	5							98N	5				
95.5N	5							98.5N	10				
41E 96N	5							43E 99N	5				
43E 87N	10							45E 88N	5				
87.5N	5							88.5N	20				
90N	10							89N	10				
90.5N	10							89.5N	15				
91N	5							90N	10				
91.5N	5							90.5N	5				
43E 92N	5							45E 91N	5				

All results in parts per million unless otherwise indicated.
 "X" indicates that the content of the element sought is below the limit of detection.
 "Tr" indicates element detected but too low a concentration to be measured.
 "--" means not determined.

P. J. Langley
 N.A.T.A. SIGNATORY

004

798006

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

76 McLACHLAN AVE., RUSHCUTTERS BAY, N.S.W. 2011 TEL. 31 9011 TELEX: 21757 TELEGRAMS: "GEOCHEM" SYDNEY.

REGISTERED
LABORATORY
NUMBER 743

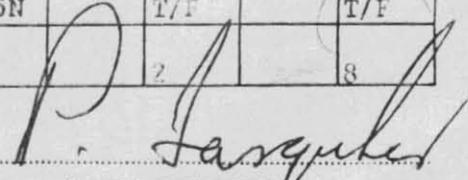
This laboratory is registered by the National Association of Testing Authorities, Australia.

The test(s) reported herein have been performed in accordance with its terms of registration.

Company Storeys Creek Tin Mining Co., N.L.A. Date Received 6/1/71.Day Book and
Sheet No.Batch No. Date Despatched 9/2/71. 12014/1Analyst's Remarks: Cu Zn = Precision 10%* at 500ppm level. Typist S. Collins.

Analyst	J.E.	C.E.					J.E.	C.E.
	AAS HClO ₄	AAS HClO ₄					AAS HClO ₄	AAS HClO ₄
Limit of detection	2	2					2	2
Precision ± %	10%*	10%*					10%*	10%*
Sample No.	Cu	Zn					Cu	Zn
29E 94N	2	12			29E 104N		4	50
94.5N	8	20			104.5N		2	18
95N	18	40			105N		6	22
95.5N	2	10			105.5N		4	24
96N	2	6			106N		4	36
96.5N	2	12			106.5N		4	44
97N	2	16			29E 107N		12	43
97.5N	2	16			31E 92N		54	230
98N	2	14			92.5N		32	100
98.5N	50	320			93N		8	44
Geological Standard	90	94					320	116
99N	10	350			93.5N		10	30
99.5N	2	42			94N		4	14
100N	3	86			94.5N		2	16
100.5N	4	12			95N		4	14
101N	6	12			95.5N		2	36
101.5N	4	18			96N		8	24
102N	2	16			96.5N		6	20
102.5N	4	24			97N		4	42
103N	6	46			97.5N		T/F	T/F
29E 103.5N	6	30			31E 98N		2	8

All results in parts per million unless otherwise indicated.
 "X" indicates that the content of the element sought is below the limit of detection.
 "Tr" indicates element detected but too low a concentration to be measured.
 "-" means not determined.


 N.A.T.A. SIGNATORY

005

798007

DAY BOOK AND SHEET NO. 12014/2.

Analyst	J.E.	C.E.	E.T.	Z.M.
Sample No.	Cu	Zn	Cu	Zn
31E 98.5N	6	34	33E 99N	4 12
99N	2	32	99.5N	4 20
100N	4	14	100N	6 20
100.5N	6	26	100.5N	4 16
101N	6	44	101N	4 20
101.5N	10	50	101.5N	2 16
102N	4	26	102N	4 12
102.5N	4	24	102.5N	4 10
103N	6	24	103N	4 10
103.5N	4	18	103.5N	6 12
104N	4	14	104N	4 12
104.5N	4	14	104.5N	4 13
105N	4	14	33E 105N	2 16
Standard	86	90		90 84
33E 92.5N	16	70	35E 91N	42 24
93N	8	60	91.5N	4 62
93.5N	14	44	92N	6 30
94N	4	24	92.5N	4 18
94.5N	2	14	35E 93.5N	x 8
95N	16	40	94N	x 12
95.5N	2	T/F	94.5N	x 12
96N	4	24	95N	4 16
96.5N	8	24	95.5N	4 10
97N	2	8	96N	8 26
97.5N	2	18	35E 96.5N	14 46
98N	2	18	97.5N	8 30
33E 98.5N	8	80	35E 98N	6 30

All results in parts per million unless otherwise indicated.
 "X" indicates that the content of the element sought is below the limit of detection.
 "Tr" indicates element detected but too low a concentration to be measured.
 "-" means not determined.

P. J. Sanyal
 N.A.T.A. SIGNATORY

DAY BOOK AND SHEET NO12014/3.

Analyst		E.T.	Z.M.					E.T.	Z.M.
Sample No.		Cu	Zn					Cu	Zn
35E 98.5N		2	12			37E 99.5N		2	22
99N		2	10			100N		4	14
99.5N		6	24			100.5N		2	18
100N		2	18			101N		6	18
100.5N		2	14			101.5N		4	14
101N		2	T/F			102N		4	40
101.5N		2	32			102.5N		2	14
102N		x	10			103N		2	20
102.5N		2	12			37E 103.5N		6	20
103N		4	24			39E 91N		6	20
103.5N		8	24			91.5N		8	30
104N		10	22			92N		4	16
104.5N		4	14			92.5N		4	14
Standard		290	100					86	84
105N		x	14			93N		4	16
35E 105.5N		2	18			93.5N		4	20
37E 92N		6	46			94N		6	26
92.5N		10	20			94.5N		8	30
93N		2	10			95N		2	14
93.5N		2	16			95.5N		2	14
94N		14	34			96N		4	16
37E 95.5N		8	30			39E 96.5N		2	16
96N		2	12			99N		2	26
37E 96.5N		4	56			99.5N		8	26
37E 98N		2	10			100N		8	34
98.5N		4	16			100.5N		2	26
37E 99N		2	12			39E 101N		26	50

All results in parts per million unless otherwise indicated.
 "X" indicates that the content of the element sought is below the limit of detection.
 "Tr" indicates element detected but too low a concentration to be measured.
 "-" means not determined.

P. Jeyapalan
 N.A.T.A. SIGNATORY

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

REPORT and SHEET No. P4084/1A
S12014/1A

REMARKS											
Analyst		AMc								AMc	
Sample No.		As				Sample No.		As			
29E	94N	50				29E	106.5N	45			
	94.5N	60				29E	107N	50			
	95	60				31E	92N	40			
	95.5N	20					92.5N	60			
	96	10					93N	45			
	96.5N	10					93.5N	15			
	97N	5					94N	5			
	97.5N	5					94.5N	5			
	98N	10					95N	15			
	98.5N	60					95.5N	10			
LAMPEN STANDARD											
	99N	50					96N	20			
	99.5N	35					96.5N	15			
	100N	50					97N	10			
	100.5N	30					97.5N	5			
	101N	40					98N	5			
	101.5N	20					98.5N	40			
	102N	10					99N	35			
	102.5N	30					100N	40			
	103N	20					100.5N	40			
	103.5N	40					101N	45			
	104N	30					101.5N	55			
	104.5N	30					102N	50			
	105N	35					102.5N	50			
	105.5N	40					103N	50			
29E	106N	50				31E	103.5N	10			

All results in parts per million unless otherwise stated. — not requested. T/F to follow. X content of element sought is below limit of detection. S/P sent previously. I.S. insufficient sample. SNR sample not received.

These results are authenticated only when accompanied by cover sheet signed by the registered NATA signatory.

003

798011

GEOCHEMICAL AND MINERALOGICAL LABORATORIES - PTY. LTD.

REPORT and
SHEET No.P4084/2A
S12014/2A

REMARKS											
Analyst		AMc								AMc	
Sample No.		As			Sample No.					As	
31E 104N		10			33E 103.5N					45	
104.5N		20			104N					50	
105N		25			104.5N					40	
33E 92.5N		20			33E 105N					35	
93N		20			35E 91N					20	
93.5N		25			91.5N					20	
94N		10			92N					30	
94.5N		5			92.5N					10	
95N		40			93.5N					20	
95.5N		30			94N					20	
INTERNAL STANDARD											
96N		30			94.5N					10	
96.5N		40			95N					45	
97N		30			95.5N					15	
97.5N		30			96N					15	
98N		40			96.5N					10	
98.5N		40			97.5N					40	
99N		40			98N					40	
99.5N		50			98.5N					20	
100N		45			99N					20	
100.5N		35			99.5N					20	
101N		40			100N					30	
101.5N		40			100.5N					25	
102N		45			101N					10	
102.5N		40			101.5N					20	
33E 103N		50			35E 102N					20	

All results in parts per million unless otherwise stated. — not requested. T/F to follow. X content of element sought is below limit of detection. S/P sent previously. I.S. insufficient sample. SNR sample not received.

These results are authenticated only when accompanied by cover sheet signed by the registered NATA signatory.

010.

798012

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

REPORT and SHEET No. P4084/3A S12014/3A

REMARKS											
Analyst		AMc							AMc		
Sample No.		As			Sample No.				As		
35E 102.5N		10			37E 103N				5		
103N		25			37E 103.5N				10		
103.5N		20			39E 91N				5		
104N		25			91.5N				15		
104.5N		25			92N				10		
105N		20			92.5N				10		
35E 105.5N		10			93N				10		
37E 92N		25			93.5N				10		
92.5N		20			94N				10		
93N		15			94.5N				20		
INTERNAL STANDARD											
93.5N		25			95N				10		
94N		10			95.5N				10		
95.5N		20			96N				10		
96N		5			96.5N				5		
96.5N		10			99N				5		
98N		15			99.5N				10		
98.5N		10			100N				20		
99N		20			100.5N				5		
99.5N		10			101N				5		
100N		15		41E	96.5N				5		
100.5N		10			97N				5		
101N		15		41E	97.5N				5		
101.5N		20									
102N		15									
37E 102.5N		10									

All results in parts per million unless otherwise stated. — not requested. T/F to follow. X content of element sought is below limit of detection. S/P sent previously. I.S. insufficient sample. SNR sample not received.

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011

798013

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

76 McLACHLAN AVENUE, RUSHCUTTERS BAY, N.S.W., 2011

Registered Laboratory Number 743



Phones: 31-9011
Telex: 21757
Cables: Geochem Sydney

Your Ref. RR902 SC3	Our Ref. 12203
Date In 25/1/71	Date Out 4/2/71
Client Storeys Creek Tin Mining Co. N.L.	
Samples Identification 23E 105N to 43E 94N (Various)	

ANALYTICAL REPORT

REMARKS

ANALYTICAL TECHNIQUE	ELEMENTS	PRECISION AT LEVEL		LIMIT OF DETECTION
A.A.S. HClO ₄	Cu, Zn	10%	500 ppm	2
Gutzeit	As	20%	200 ppm	5

AAS Geochemical Analysis by Atomic Absorption Spectrophotometry. Sample attack by methods giving highest extraction within cost-limitations. Conditions carefully controlled to give high precision. Suitable for levels up to 1%.

Sorting Sorting Analysis. As above but technique extended to operate in percentage range. Generally suitable for levels up to 15%.

Colorimetric Geochemical Analysis by Colorimetry. Used for elements which cannot be determined by AAS due to poor sensitivity - Sample attack by methods giving highest extraction within cost limitations. Generally suitable for levels up to 1000 ppm. Above 1000 ppm AAS can usually be used.

PRECISION is determined with standards similar in composition to the samples. The value given is \pm two standard deviations. This means that if the analysis is repeated sixteen times, on average only one result will differ from the mean by more than the value given. Results are usually rounded to the nearest 0.5 standard deviation.



This laboratory is registered by the National Association of Testing Authorities, Australia.

These results, comprising pages, have been obtained in accordance with the Association's terms of registration.

P. Jurgens
NATA SIGNATORY

GEOCHEMICAL AND MINERALOGICAL LABORATORIES PTY. LTD.

REPORT and
SHEET No.

12203/1

REMARKS										
Analyst		E.T.	Z.M.						E.T.	C.E.
Sample No.		Cu	Zn						Cu	Zn
23E 105 N		2	6				27E 96 N		4	18
105.5N		8	24				96.5N		2	10
106 N		2	12				97 N		4	26
106.5N		6	14				97.5N		16	1000
107 N		6	20				98 N		4	26
107.5N		8	26				102N		2	16
108 N		8	24				102.5N		4	14
108.5N		2	12				103N		6	20
109N		2	10				103.5N		6	12
109.5N		6	24				104N		6	16
INTERNAL STANDARD		82	86						88	88
110 N		2	10				104.5N		4	14
110.5N		4	14				105N		2	10
111 N		4	14				105.5N		2	14
111.5N		8	30				106N		8	38
112 N		4	20				107N		2	12
112.5N		8	32				107.5N		2	10
23E 113 N		2	12				108N		8	44
25E 104 N		2	14				108.5N 108.5N		4	24
104.5N		6	32				27E 109N		4	14
106 N		6	26				31E 99.5N		10	250
106.5N		2	10				43E 94N		4	16
107 N		38	32				25E 105.5N		4	10
107.5N		4	22				23E 109N(B)		2	26
108 N		8	33				109.5N(B)		2	10
25E 108.5N		6	22				23E 110N(B)		4	22

All results in parts per million unless otherwise stated. — not requested. T/F to follow. X content of element sought is below limit of detection. S/P sent previously. I.S. insufficient sample. SNR sample not received.

These results are authenticated only when accompanied by cover sheet signed by the registered NATA signatory.

014

798016

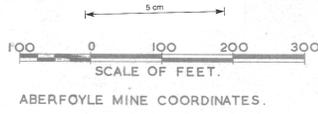
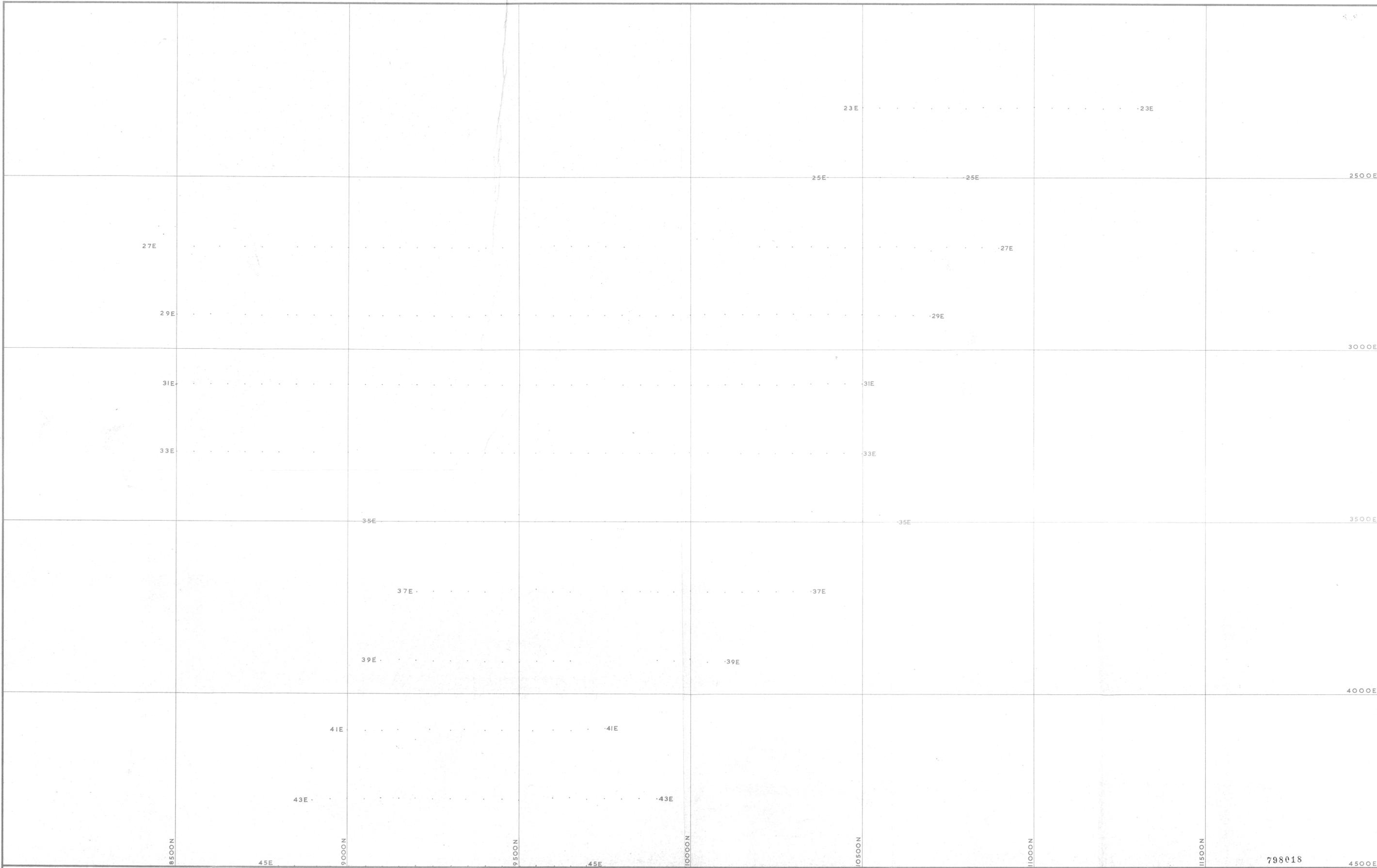
GEOCHEMICAL AND MINERALOGICAL LABORATORIES - PTY. LTD.

REPORT and SHEET No. 12203/1A

REMARKS							
Analyst		J. R.				J. H.	
Sample No.		A				A	
23E 105 N	x				27E 96 N	15	
105.5N	20				96.5N	10	
106 N	5				97 N	10	
106.5N	5				97.5N	60	
107 N	20				98 N	5	
107.5N	25				102N	5	
108 N	5				102.5N	10	
108.5N	x				103N	25	
109 N	10				103.5N	5	
109.5N	40				104N	20	
INTERNAL STANDARD		250				250	
110 N	x				104.5N	10	
110.5N	5				105N	x	
111 N	10				105.5N	5	
111.5N	25				106N	5	
112 N	20				107N	x	
112.5N	40				107.5N	x	
23E 113 N	5				108N	30	
25E 104 N	x				108.5N	25	
104.5N	30				27E 109N	10	
106 N	10				31E 99.5N	30	
106.5N	x				43E 94N	5	
107 N	x				25E 105.5N	x	
107.5N	5				23E 109N(B)	10	
108 N	25				109.5N(B)	x	
25E108.5N	25				23E 110N(B)	30	

All results in parts per million unless otherwise stated. — not requested. T/F to follow. X content of element sought is below limit of detection. S/P sent previously. I.S. insufficient sample. SNR sample not received.

These results are authenticated only when accompanied by cover sheet signed by the registered NATA signatory.



SCTMCONL
 RIFLE RANGE PROSPECT
 SAMPLE LOCATIONS

798018
 SURVEY - - //
 GEOLOGY - - //
 DRAWN - MVMCK - /6/71
 TRACED - - //
 DRAWING No. - 2586

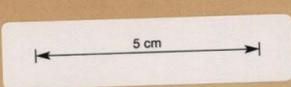


798019

STORYS CREEK — ROSSARDEN AREA.

- Alluvium
- Permian
- Ben Lomond Granite
- Mathinna Sediments.

o Granite Sample Locations
1000' Square Grid.



AMG REFERENCE POINTS ADDED

7th December, 1970.

ABERFOYLE LIMITED

TO - Messrs. Adams & Watchorn (Copies to Messrs. Murphy
Krummel and Tester).

FROM - M. McKeown.

SUBJECT - Sampling Grid and Sample Numbers at the Rifle
Range Prospect.

Sampling Grid :

This memo ~~states~~ gives details of the base line and traverse lines to be used for the geochemical sampling programme at the Rifle Range Prospect.

The base line will be the 10,000N Grid line between 2300E and 4500E (Aberfoyle Mine Co-ordinates).

Traverse lines will be offset at right angles to this base line at 200 ft intervals from 2300E to 4500E. Samples are to be collected along these traverse lines at 50 ft intervals.

The extent of the traverse lines is shown below :-

<u>Traverse Line</u>	<u>Extent</u>	<u>No. of Samples</u>
2300E	10500N to 11300N	17
2500E	10400N to 11100N	15
2700E	{ 9600N to 9800N	5
	{ 10200N to 10900N	15
2900E	9400N to 10700N	27
3100E	9200N to 10500N	27
3300E	9000N to 10500N	31
3500E	9100N to 10600N	31
3700E	9200N to 10400N	25
3900E	9100N to 10200N	23
4100E	9000N to 10000N	21
4300E	8900N to 9900N	21
4500E	8800N to 9700N	19
	Total	277

Sample Numbers :

Sample numbers will be arrived at by reversing the normal order of co-ordinates of any sample position and by shifting the decimal point two places to the left e.g. The sample collected at 9750N 3100E will be numbered 31E 97.5N and that from 9800N 3100E will be numbered 31E 98.0N.

Note - Aberfoyle Mine Grid North is 3° east of Magnetic North.

M. McKeown

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Geologist.