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79-1337 Vol 1/2

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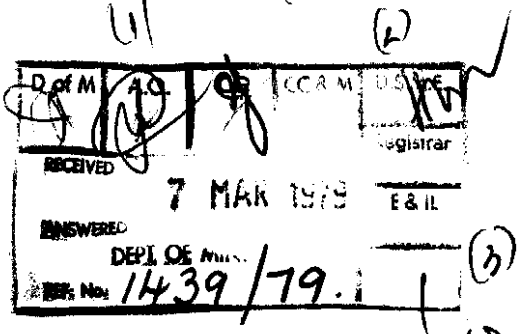
McINTYRE MINES (AUSTRALIA) PTY. LTD.



QUARTERLY REPORT

TO

TASMINEX N. L.

OPEN FILE

EXPLORATION WITHIN E. L. 17/68

AND ASSOCIATED MINING LEASES

FOR THE PERIOD

NOVEMBER 4, 1978 TO FEBRUARY 3, 1979

FEBRUARY 3rd, 1979

Burnie, Tasmania

R. G. Gifford.

183002

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B	Drill Logs - DDH201A to 265	per accompanying volume

ACCOMPANYING MAPS:

Tin-Molybdenum Assay Sections, 1:500	Plates EF 1 - 20
Lead-Bismuth Assay Sections, 1:500	Plates EG 1 - 16

002

INTRODUCTION

McIntyre Mines (Australia) Pty. Ltd. and Tasminex N. L. entered into agreement concerning Exploration Licence 17/68 and associated mining tenements on November 3rd, 1977. Expenditures to date on the project total $790,459. This report covers the period November 4th, 1978 to February 3rd, 1979.

Under continuing terms of the agreement McIntyre has earned the right to acquire an interest of fifty percent in the mining leases as subject to an economic feasibility study.

The feasibility study of the property is continuing under the direction of McKee-Theiss Engineers and Construction Pty. Ltd. Metallurgical laboratory work by Warman International is in process, and Coffey & Partners have commenced investigation into a suitable site for tailing disposal.

DATA COMPILATION

Analyses for tin, molybdenum, lead and bismuth have been compiled in two sets of assay sections (Plates EF 1- 20 and EG 1 - 16). Molybdenum, lead and bismuth generally occur in low concentrations, and any significant relationships and patterns of distribution remain to be determined.

The tin content is notable for its low but consistent presence in the order of several hundred parts per million. It shows a limited extent of concentrations approximating 0.3% to 0.6% tin, and rarely values as great

003

as 1% and 2% tin. The principal host is skarn and its local distribution in low concentration is independent of the granite front. The one extreme value may be attributed to surface enrichment, other high values are independent of the degree in decomposition of the host rock. There is no direct relationship displayed between tin and tungsten concentrations. The mineral form of the tin and its habit remain to be positively identified.

The geological logs for DDH 201A to 265 have been duplicated and are enclosed for reference.

FEASIBILITY STUDY

In November, 1978 the McKee-Theiss Pty. Ltd. proposal to undertake a Feasibility Study into the Kara Tungsten Project was accepted by Hannes Walpole Pty. Ltd. acting as agents for McIntyre Mines (Australia) Pty. Ltd. In connection with this work visits to the site included the following:

- initial site inspection by the McKee-Theiss project team, Melbourne
- a mining engineer from the W.K.E. Division, San Mateo, McKee-Theiss, with respect to the development of mining plan
- a team of mining engineers from Coffey & Partners, Melbourne to determine possible locations for tailing disposal
- members of the McKee-Theiss project team, Melbourne along with engineers from Coffey & Partners to establish

probable sites for the process plant and tailing disposal

- a metallurgical engineer from Warman International, Sydney to examine ore material and observe current milling operations

On site support of the study has included:

- collection of mill-water sample originating at Old Park River for metallurgical testwork in Sydney
- preparation of access track across the southeast part of ML105M/77 to provide topographic data in connection with the tailing disposal investigation
- collection of creek water from three separate locations for detailed chemical analysis in connection with monitoring the environment
- determination of material with respect to source and proportion to be used for metallurgical testwork concerning: (1) Eastern Ridge zone, (2) Western Contact zone, and (3) Fully Oxidized zone.

The examination in detail of the mining, flowsheet development, process plant and ancillaries which will be capable of treating approximately 600 tonnes of ore per day is in a continuing state, and is expected to be completed in March.

EXPLORATION LICENCE 17/68, KARA NORTH

Kara North in the licence area was selected for further drilling and geological investigation. Former testwork had shown isolated but significant concentrations of tungsten in the western skarn band, and this forms the initial target. Exploration of this skarn has the following purpose:

1) to determine the extent and grade of known mineralization
2) to ascertain the dip of the sandstone which confines the western side, and
3) to investigate the depth to the granite basement.

From former work the western band of skarn offers strong tungsten values in two trenches, two augur holes and in two drill holes. The recovery of core from the drill holes was poor and did not provide confidence in the representation of the grade. The skarn is relatively narrow and limited in extent but is still sufficient to be productive.

In addition the skarn band can be easily recognized with ground magnetics. Its aeromagnetic expression is obscured by the strong response evident from the nearby Kara North skarn belt.

The Kara North Anomaly will also be investigated and considered as a supplemental location in the drill programme. This magnetic feature is of major dimension and extreme relief.

Drilling for the programme was contracted to Longyear (Australia) Pty. Ltd., and trenching and drill site preparation is being undertaken by

006

E. D. Farrow, bulldozer contractor. Drilling of the first hole of the programme commenced on January 30th.

FUTURE PROGRAMME.

Planning for the next quarter includes the following:

- completion of the economic feasibility study.
- completion of the current drill programme on the Kara North area including geological and ground magnetic surveys.
- continue geological investigation of the licence area.

R. G. GIFFORD

007

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APPENDIX "A"

To accompany Quarterly Report to Tasminex N. L.

Three months to February 3, 1979

008

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APPENDIX "A"

STATEMENT OF EXPENDITURE TO FEBRUARY 3, 1979

Office Expenses	16,445
General Fieldwork	997
Construction	15
Accommodation, Supplies	7,493
Line Cutting	493
Geology	13,655
Trenching	1,500
Airborne Geophysics	(131)
Ground Magnetometer	584
Geochemistry	537
Assays	12,591
Transportation	13,206
Diamond Drilling	13,200
Surveying	(75)
Legal Fees	7,550
Geological Consulting	16,800
Insurance	(106)
Feasibility Consulting	51,633
Total for Three Months	156,387
Expenditure previously reported	634,072
Total to Date	$790,459

009

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D of M | MO | SG | CC & M | D.S.M.E. | Registrar | E & IL
RECEIVED 7 MAR 1979
ANSWERED
DEPT Of MINES
Ref. No. 1441/79

Drill Logs

DDH 201A - 265

MICROFILMED

To accompany Quarterly Report to Tasminex N. L.

Three months to February 3, 1979

OPEN FILE

February 3rd, 1979

Burnie, Tasmania

R. G. Gifford

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	No visible mineralization clay filled steep	1.0 Mod. brown, Rubble & clay, fill OLIVINE BASALT - fine grained, dark, weathered, few clay and limonite - filled joints to 0.5 cm but mainly non-jointed throughout Broken and partly oxidized from 14.0 - 16.6 m
	clay filled fracture 2cm	14.60 DIORITE-EPIDOTE-MAGNETITE SKARN Essentially a weak clay rock with some of unaltered basalt, displays 60° to vague layering, and relict fabric, contains some hematite - rock is also weakly foliated, no primary minerals left, fine grained leucocratic bands to 0.5 cm, numerous silicate planes throughout, trace Fe stain, grades from 25 m
	No visible mineralization Slight clay alt'n, trace fine magnetite	
	Peggy clay, relict magnetite, epidote.	25.70 DIORITE-EPIDOTE-MAGNETITE SKARN Fine grained massive dark green rock, contains magnetite blebs, some rare 0.2-0.4 cm epidote veinlets, foliation 60° c.a. Trace pyrite throughout 27.90 Granular texture throughout GARNET-MAGNETITE-DIOPSIDE SKARN Granular garnet with blebs + patches of magnetite, rock is partly oxidized magnetite rich, plane of weakness at 50° c.a. Trace pyrite throughout, trace epidote, grades to fine grained, dark green diopside-epidote rich skarn with minor (0.4 cm) bands of coarse grained garnet/magnetite, strong texture at 30° c.a. Trace chalcopyrite, rock is partly oxidized, garnet rich clay in fractures, abundant specular hematite, abundant pyrite, foliation 60-70° c.a. Strong limonite
	No visible mineralization	
	Trace finely disseminated scheelite throughout on foliation to 35-2 cm Diopside - epidote rich, 2 cm Massive andradite garnet	
	clay filled fracture 2cm-30°	

STRUCTURE	
COLOUR & COLOUR CODE	Mod. Yellow brn 10YR 5/4; Mod. to lt. brn 5YR 4/4 to 5YR 5/6; Patches dusky brn 5YR 2/2; 5YR 3/2 to patchy 5Y 7/6; Lt. Brn to Dk. Yellow orange 5Y 5/6 — 10YR 6/6; Blebs N1 — N3. Fracture dk. grn-yellow 10YR 6/6
U.V. RESPONSE % SCHEELITE	Tr Tr
% VISUAL SCHEELITE	Tr Tr
SCALE	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

| ASSAYS | | |

5 cm

SURVEY										
Depth	20m	40m	60m	80m	94m					
Dip	51°	51°	51°	52°	52°					
Azimuth	—									

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	Sn %	Pb PPM	Bi PPM	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
24.7	1.00	34	21001	34	35	1.0	83 PPM	0.06	70	60	34	3%	4%	Lt brn. to dark yellowish orange 5YR6/6 to 10YR6/6 blebs N1-N3 Black & Lt Grey		day quartz	70° 60° MT 60°
35.6	1.10																
36.2	0.60	36	21002	35	36	1.0	1.40	0.08	30	60	36						
36.8	1.20		21003	36	37	1.0	2.10	0.07	100	90							
37.4	1.55	38	21004	37	38	1.0	0.10	0.12	60	<20	38	Tr.	•5%				
38.95	1.10		21005	38	39	1.0	0.12	0.07	80	80							
40.5	1.05	40	21006	39	40	1.0	0.85	0.05	80	50	40						
42.0	1.10		21007	40	41	1.0	0.92	0.06	120	190		4%	5%				Q 46° 30° 60° 70° 45° 30° Cm Q 45° 30° 45° 60° 30° Q 45° 70°
43.1	0.95	44	21008	41	42	1.0	1.20	0.15	90	80	42	Tr	Tr				
44.2	0.66		21009	42	43	1.0	0.47	0.13	100	110							
45.2	0.70		21193	43	44	1.0	0.42	0.02	20	<20	44			Dark to Yellow green 5Y6/1 to 5Y8/1			
46.1	0.70	46									46						
47.8	0.95		21194	44	45	1.0	0.02	66 PPM	60	<20							
48.2	0.80										48						
49.2	0.92													Med brown to med yellow brown 5YR4/4 to 10YR5/4			
50.1	1.10	50									50						
51.2	0.8																
52.4																	
53.4	0.10	52									52						
54.9	0.95																
55.9	0.76	54									54						
56.7	1.00																
57.2	0.8	56									56						
58.8	1.45																
60.2	1.40	58									58						
61.1	0.95																
61.7	0.60	60									60						
63.2	1.10																
63.7	0.50	62									62						
64.5	0.20																
65.0	0.25	64									64						
65.5	0.50																
66.4	0.50	66									66						
66.7	0.30																
67.1	0.20	68									68						
68.0	0.80																

MINERALISATION

Coarse scheelite 35.2 to 36.8 as irregular blebs to 1cm and finely disseminated along foliation. No oxidation of scheelite.

Trace fine scheelite 36.8 - 40.5 m, finely disseminated along foliation throughout coarse, garnet-magnetite skarn. No oxidation of scheelite.

Coarse scheelite to 2cm, and finely disseminated throughout along foliation to 1-2mm. 40.0 to 42.0 No oxidation of scheelite.

Trace fine scheelite.

No visible mineralization. Negative U/V response throughout.

No visible mineralization.

GEOLOGY

GARNET - MAGNETITE - DIOPSIDE SKARN -

as above. Quartz increase from 42m. Probably garnet-diopside-quartzite on contact with underlying quartzite.

43.10

EPIDOTE - MAGNETITE QUARTZITE

Essentially a quartzite with 10-20% interstitial epidote, 5-10% coarse magnetite as blebs to 1 cm, partly aligned on foliation 60°. Highly fractured throughout, three main fracture planes at 45°, 30° and a minor set 70°.

Varying oxidation throughout, From minor goethite rimming magnetite to goethite + clay in epidote zones. Fracture planes have clay-goethite, numerous areas of interstitial clay.

57.0-61.0 generally a sandy gouge to clay after epidote quartzite, 5% disseminated goethite-hematite a/o magnetite.

65.5-66.7 moderate green-yellow (10Y6/6) clay ? a/o epidote, 2% quartz, tr magnetite. Weak foliation throughout at 60-66° may be relict bedding. Almost obscured by closely fractured-jointed planes.

67.40m

Length 94.5m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426.362.78
Easting 397706.13
Elev. 497.54m
O.B. Thickness
B R Thickness

Contractor LONGYEAR
Core
Casing
Logged by G.C. Wolff
Location

Started 15 May 1978
Finished 21 May 1978
Started
Finished 20/5/78

MCINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 2011A
Project TASMAN X COTTON
Area KHAN EAST RIDGE

012

5 cm

SURVEY									
Depth									
Dip									
Azimuth									

DRILLING INTERVAL	% CORE RECOVERED	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	ppm Sn	ppm Pb	ppm Bi	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
69.1	1.05									68								QUARTZ-MAGNETITE-EPIDOTE SKARN
70.0	0.90	21010	69	70	1.0m	0.03	280	70	20	70						30° 60°	No visible mineralization. Faint trace scheelite.	Roughly foliated 70° in quartz-epidote groundmass. 50-60% Magnetite as coarse blebs and wisps, some along foliation, to 10-15cm. Vary rare andradite garnet with magnetite, less than 0.5%, throughout. Unoxidized but sheared zone 68.4-68.6 clay-goethite.
71.1	1.10	21011	70	71	1.0	0.08	310	70	70							Mt	Trace scheelite 70.4-70.6 and 72.9-73.1 in magnetite stringers.	
72.2	1.10	21012	71	72	1.0	0.14	230	120	20	72						70°	Rare blebs (to 1.0mm) pyrite/chalcopyrite throughout.	
73.7	1.50	21013	72	73	1.0	0.10	310	50	30							60°	No scheelite ~~[illegible]~~ oxidation.	74.40
74.7	1.00	21014	73	74	1.0	0.25	250	80	100	74								EPIDOTE QUARTZITE Trace magnetite throughout (<1%) as random blebs to 1-2mm generally coarse grained to 2mm but finer grained, flinty with development of secondary interstitial silica from 85m. Few zones richer in epidote, again with gradual increase to contact from 85m.
75.1	0.40	21195	74	75	1.0	0.06	210	90	<20							60°		
76.4	0.95	21196	75	76	1.0	0.03	230	240	100	76							No visible mineralization.	
77.1	0.95	21197	76	77	1.0	20ppm	210	240	60							30°	Negative U/V response	
77.7	0.80	21198	77	78	1.0	0.01	18	20	50	78		Nil				70°	Trace fine pyrite throughout, and on joint/foliation planes.	Pebble zone to 5mm 84-85m Brecciated, 83.2-83.3m, high angle breccia 30°, 5cm at 85m. Highly fractured throughout 45° ca. bedding or foliation, and joints 30°, 70° ca. Slightly weathered throughout, along fracture planes which have films and selvedges of clay, or goethite. Few have dendrites and blebs Mn oxide.
78.2	0.50	21199	78	79	1.0	70ppm	<10	20	<20							45°		
78.4	0.30	21200	79	80	1.0	60ppm	<10	90	<20	80	Nil					65°		
79.1	0.7															QE		
80.6	1.5															30°		
81.55	0.90									82						70°		
82.2	0.55																	
83.1	0.82																	
84.1	1.0									84								
85.2	1.1																	
86.0	0.45									86								
87.4	1.40											Nil				45°		
88.6	1.20									88						30°		
89.8	1.20									90						70°		90.20
90.2	0.4															70°	No visible mineralization. Negative U/V response	BIOTITE GRANITE Medium grained to 3mm, dense, unoxidized. Foliated 45°, jointed 30°, 70° ca.
91.8	1.6									92	Nil	Nil				45		
93.1	1.3															30° Gr		
94.5	1.3									94						70°		END OF HOLE 94.50m
										96						45		
										98								

Length 94.50m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426369.78
Easting 397706.13
Elev. 497.64m
O.B. Thickness
B R Thickness
Contractor
Core
Casing
Stored
Logged by G.C. Wolff
Date 22 May 1978
Location
Started 15 May 1978
Finished 21 May 1978
Started
Finished

McINTYRE MINES (AUST) P.L.
EXPLORATION DEPARTMENT

Hole No. DDH 201A
Project Tasmex Option
Area Kavo East Ridge

013

SURVEY	Depth	Dip	Azimuth
	0	55°	—
	20m	55°	—
	40m	54°	—
	60m	54°	—
	80m	54°	—
	100m	53°	—
	125m	52°	—

GEOLOGY

NOT CORED Sludge gritty clay ex Skarn. Few fragments Mn oxides and goethite

CLAY EX-SKARN Dense clay, faint alignment of red-brown goethite 50°CA - probable foliation. goethite - limonite nodules throughout, ? pseudomorphing magnetite ? Numerous slip shear planes with Mn oxide blebs. Fine grit throughout ? quartz. Unit resembles banded, foliated [illegible] skarn and surface. Low goethite [illegible] 11:00 very primary [illegible]

CLAY EX-OLIVINE BASALT Stiff puggy clay with Basalt [illegible] rare fragments of strongly oxidized Basalt

15:30

OLIVINE BASALT medium grained strongly jointed 45° and 90° [illegible] Highly fractured throughout, with clay and goethite on fracture planes, otherwise fresh and unoxidized to 33.5, then strongly oxidized to a stiff clay with basalt [illegible] and a few partly weathered fragments

5 cm

MINERALISATION

Contact observed

Contact observed

GEOLOGY	T	T	B
MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE	Dark yellowish orange 10YR6/6 to Mod. red. brown 10R4/6	Mod. olive brown 5Y4/4 to Dk yell. brown 10YR 3/2	
U.V. RESPONSE % SCHEELITE			
% VISUAL SCHEELITE			
SCALE 1:200	0 2 4 6 8 10	12 14	16 18 20 22 24 26 28 30 32 34
ASSAYS			
% W			
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
CORE RECOVERED	0.70 0.80 0.85 1.50 1.70	1.25 0.70 0.30 0.40	0.85 0.95 1.10 1.05 0.55 0.20 1.45 1.30 1.35 0.6 1.05 1.40 0.5 0.5 0.45 0.55 0.35 0.65 0.4
DRILLING INTERVAL	3.80 4.80 5.70 7.70 9.20	11.70 13.50 13.90 14.50 15.30	16.70 17.90 19.10 20.25 21.00 21.50 23.0 24.2 25.7 26.4 27.6 29.4 30.1 30.7 31.4 32.0 32.6 33.3 34.2

Length 126.30m
Azimuth 090° UTM
Dip at Collar 55°
Northing 5426416.15
Easting 397683.15
Elev. 511.33
O.B. Thickness _____ Started 22 May 1978 Finished 29 May 1978
B R Thickness _____ Started _____ Finished _____

Contractor Longyear
Core _____ Stored Kara Yard.
Casing _____
Logged by G.C. [illegible] Date 25 May 1978
Location _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH202
Project TASMINEX OPTION
Area KARA EAST RIDGE
Page 1 of 4

014

5 cm

GEOLOGY

35.50m
SANDSTONE BRECCIA : Fine sandy clay with fragments of sandstone and clay stone 4-5mm. Sandstone 2m. 27.1 to 43.3 bedded 65° CA. Trace of goethite with core of magnetite. Fault 3 mm. Faint foliation nearly coincident with bedding 65° CA. Heavy Mn - Fe staining on this plane
43.30m

EPIDOTE ACTINOLITE WOLLASTONITE SKARN
Fine grained epidote rock, less actinolite, 2-5% magnetite. Haloughout as blebs and crystals to 3cm
Numerous veinlets and blebs wollastonite throughout portion 28-43m and 62-65.60m
Strongly oxidized throughout
Epidote/actinolite to Fe rich clay. Magnetite as veinlets surrounded by goethite/Mn. clay. Wollastonite zones generally only slightly oxidized.
Foliation and wollastonite veining 55-60° c.a throughout.
65.60m

MINERALISATION

Depth | Dip | Azimuth

SURVEY

Negative U/V response

Unoxidized wollastonite rich epidote/actinolite skarn

No visible mineralization. Negative U/V response.

Unoxidized wollastonite veined epidote/actinolite skarn

GEOLOGY

Ta

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

Dusky yellow 5Y8/4 to greyish yellow 5Y8/4

Dusky brown 5Y2/2 to dusky yellowish brown 10YR2/2

Dark yellow-orange 10YR6/6

Mod. brown 5YR3/4 to Light brown 5YR5/6

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200

34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68

ASSAYS

	Mo ppm	Pb ppm	Sn ppm	W %
21015	<20	50	44	0.05
21016	30	40	62	42ppm
21017	40	40	83ppm	57
21018	30	60	57	0.01
21019	50	50	150	0.01
21020	50	70	75	0.02
21021	<20	30	110	0.02
21022	<20	20	61	42ppm
21023	<20	20	83ppm	57
21024	<20	80	220	218ppm
21025	40	90	270	0.09
21026	30	120	160	0.07

SAMPLE WIDTH	1m	1m	1m	1m	1m	1m											1m	1m	1m	1m	1m	1m	1m	1m	1m
TO :	50	51	52	53	54	55											63	64	65	66	67	68			
FROM :	49	50	51	52	53	54											62	63	64	65	66	67			
SAMPLE NUMBER	21015	21016	21017	21018	21019	21020											21021	21022	21023	21024	21025	21026			
SCALE																									
CORE RECOVERED	0.95	0.5	0.25	1.45	1.05	0.45	1.45	0.4	0.6	0.35	0.2	0.45	0.6	0.2	0.85	0.35	0.45	0.45	0.85	1.2	1.35	1.03	0.85	1.2	1.3	1.1	1.5	0.5	0.2	1.5	1.4	1.3
DRILLING INTERVAL	34-2	36-2	36-1	37-6	38-7	39-3	40-9	42-1	43-3	44-0	44-9	45-3	45-5	45-7	46-3	46-0	46-6	50-4	51-4	52-6	54-1	55-3	56-6	58-1	59-6	61-1	61-6	62-0	62-2	63-3	64-8	66-3	67-6

Length 126.30m
Azimuth 090° UTM
Dip at Collar 55°
Northing 5426416.15
Easting 397683.15
Elev. 511.33
O.B. Thickness ____ Started 22 May 1978 Finished 24 May 1978
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.Wolf Date 27 May 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 202
Project Tasmania Option
Area Mount Lyell District

Page 2 of 2

SURVEY									
Depth	0	20'	40'	60'	80'	100'	125'		
Dip	55°	55°	54°	54°	54°	53°	52°		
Azimuth	—	—	—	—	—	—	—		

Length 126.30' Contractor
Azimuth 090° UTM Core Stored
Dip at Collar 55° Casing
Northing 5426446.15 Logged by G.C. Wolff Date 28 May 1972
Easting 397683.15 Location
Elev. 511.33
O.B. Thickness Started 20 May 1972 Finished 20 June 1972
B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 202
Project Tom Mountain
Area Kara East Field

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SCALE

DRILLING INTERVAL	CORE RECOVERED	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	ppm Sn	ppm Pb	ppm Bi	ppm Mo	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
69.1	1.6	21027	68	69	1"	0.02	1530	80	420		Tr	Tr		Dark toffee orange/brown 6/4 Medium brown 5YR4/4		Mt
69.9	0.75	21028		70	1"	0.01	610	60	<20							
71.4	1.45	21029		71	1"	52ppm	660	60	<20							
71.9	0.45	21030		72	1"	0.12	720	80	20		±0.5%	±0.5%				
72.6	0.9	21031		73	1"	0.17	460	60	<20							
73.9	1.25	21032	73	74	1"	0.03	430	70	120							
75.2	1.25	21033		75	1"	0.81	480	90	200		1.5%	1.6%				Mt
		21034		76	1"	2.20	600	140	680							
76.9	0.65	21035		77	1"	0.61	1020	80	280							
77.4	0.5	21036		78	1"	0.49	1000	40	20		0.5%	0.5%		Dark grey 5Y4/1		
78.2	0.95	21037		79	1"	0.21	320	70	20							
79.7	1.65	21038	79	80	1"	0.09	390	50	150							
		21039		81	1"	0.30	830	50	<20							
81.3	1.45	21040		82	1"	0.23	1510	40	100		Tr	Tr				
		21041		83	1"	3.30	1580	80	70							
82.9	1.45	21042		84	1"	2.10	2440	80	130							
84.3	0.6	21043	84	84.6	0.6	3.50	2820	100	90							
85.5		21201	84.6	85	0.4	0.76	120	160	80							
86.0		21202	85	86	1.0	0.05	31	<20	<20							
86.5		21203	86	87	1.0	0.01	<10	20	<20							
87.3		21204	87	88	1.0	Tr	<20	60	40							Q
87.6																
88.1																
89.2																
91.1																
91.5																
91.9																
95.7																
95.8																
96.8	0.3	21369	96.0	97.0	1.0	0.18	2250	240	750	65						Q
97.6	0.75	21370	97.0	98.0	1.0	0.06	730	120	640	<20						
98.5	0.90	21371	98.0	99.0	1.0	0.04	1080	400	1800	<20						
99.3	0.65															
100.0	0.70	21372	99.0	100.0	1.0	0.03	1200	160	510	<20						
100.4	MI															
101.0	0.60	21205	100	101	1.0	0.18	2060	380	1450							Tm
101.6	0.25	21206	101	102	1.0	0.61	1860	240	750							

Core runs: 5-10 cm
Core runs: Recovery not estimated

MINERALISATION

Scheelite from 71.0 to 75.5' ±0.5% as fine blebs to 2mm. From 75.2 to 76.1' very coarse scheelite to 2.5cm, 10% altered to tungstic oxide ion rims and fracture coatings on large crystals, totally replacing finely disseminated material

No visible mineralization

Contact obscured

5 cm

GEOLOGY

MAGNETITE-EPIDOTE-GARNET-DIOPSIDE SKARN

Strongly banded, magnetite 60%, epidote 20% to 30%. Fine (to 3mm) grossular garnet, locally to 100% over 10-15cm interstitial diopside.
Magnetite locally in blebs to 3-4mm but mainly as bands on foliation (1mm to 1cm.
Strongly to partly oxidized, with goethite running larger blebs of and replacing fine magnetite. Epidote mostly unaltered to pale greenish brown goethite stained clay

84.10

QUARTZITE pink to buff, coarse grained, unstained, fractured to 91', then white, fine grained, joint and fracture planes coated with epidote and fine crystals of magnetite to 0.2mm. Highly fractured throughout maximum fragment size 10cm. Strongly jointed 45°, 90°, 05° ca.

98.70

EPIDOTE DIOPSIDE GARNET MAGNETITE SKARN Strongly weathered to a goethite rich clay with remnant Epidote, grossular garnet

Length 126.30 m
Azimuth 090° UTM
Dip at Collar 55°
Northing 5426416.15
Easting 397683.15
Elev. 511.33
O.B. Thickness
B R Thickness

Contractor
Core
Casing
Logged by G.C. Wolff
Location
Started 22 May 1978
Finished 20 May 1978
Started
Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 202
Project Tasmania Gateway
Area Kara East Indian
Page 2 of 2

DRILLING INTERVAL	CORE RECOVERED	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	% W	ppm Sn	ppm Pb	ppm Bi	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	SURVEY	MINERALISATION	GEOLOGY
102.5	0.45	21207	102	103	1.0	0.25	1850	200	480	102									and magnetite. From 102.5 to 104.7 m
103.1	0.40	21208	103	104	1.0	0.11	2150	120	140	104				50°		Tm			garnet 30%, less weathered, with
104.8	0.95	21209	104	105	1.0	0.07	1350	180	200										blebs goethite with magnetite kernels
104.9	0.60	21044	105	106	1m	0.32	1060	80	70	106								Trace fine scheelite in U/V.	Epidote increases downwards. From
105.9	1.0	21045	106	107	1m	0.19	1030	80	100		Nil	Tr							110.8 to 113.0 Core is a fine grained
106.4	0.40	21046	107	108	1m	0.33	740	120	130	108									epidote rock weathered to an apple green
106.8	0.30	21047	108	109	1m	0.22	570	160	180					50°		Tm			clay. 113.0 to 114.8 dense fine grained
107.3	0.45	21048	109	110	1m	0.15	730	60	<20	110									Quartz-Tremolite-Epidote-garnet
107.8	0.50	21049	110	111	1m	0.02	68	20	<20										Skarn, 5% fine disseminated magnetite
108.5	0.50	21050	111	112	1m	0.06	140	220	50	112									garnet is red-brown Andradite
108.9	0.10	21051	112	113	1m	0.04	290	60	40										Base of partial weathering 113.0m
109.1	0.10	21052	113	114	1m	1.30	300	<20	50	114	1.5%	2.5%				Tm		113.0 Coarse crystals and blebs fresh scheelite to 5 cm, and finely disseminated to 0.5mm	Foliation 60° CA.
110.15	0.45	21053	114	115	1m	0.09	1800	60	520									114.3	114.80
110.8	0.10																		
111.2	0.2																		
111.7	0.5																		
113.0	1.15																		
114.3	1.3																		
114.9	0.6																		
115.6	0.20									116						QE.		No visible mineralization	EPIDOTE GARNET MAGNETITE QUARTZITE
116.8	1.15													50° 30° 60°				Trace scheelite in U/V	Fine grained unweathered mosaic of
117.9	1.10									118	Nil	Tr							Epidote, Andradite garnet and fine (0.2m)
119.4	1.45									120				45° 85°		QE			crystalline magnetite in a granular
120.2	0.75																		quartz rock. garnet increases from 120m
121.7	0.50									122									Foliated 45-60°, jointed 30, 90°.
122.3	0.50																		From 123.6 weakly granitized low narrow
123.1	0.75																		zone of orthoclase feldspar
123.4	0.35									124						45°			124.0
125.1	1.65													20° 80°		Gr		No visible mineralization	BIOTITE GRANITE medium grained
126.3	1.20									126								Negative U/V response.	Assimilated quartzite fragments to 124.3m
										128									END OF HOLE 126.30m

5 cm

017

183018

SURVEY													
	Depth	0	20	40	Geo	80	100	/30"					
	Dip	50°	50°	51°	51°	51°	50°	50°					
	Azimuth	~				~							

MINERALISATION

GEOLOGY

NO CORE RECOVERED
Sludge clay on Basalt

41.70"

CLAY EX OLIVINE BASALT
Stiff puggy goethite-rich clay
Relict Basalt texture throughout
Few fragments Un weathered olivine basalt around 85"
Numerous slip shear planes at 45° and 90° - Possibly original joint planes

NO Visible mineralization.
Negative U/V response

Contact obscure

31.85"

GEOLOGY: B B B B

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200 (0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34)

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED: Nil | 0.6 | 1.1 | 1.2 | 1.0 | 1.0 | 1.1 | 1.2 | 1.1 | 0.5 | 0.7 | 0.35 | 1.35 | 0.45 | 1.75 | 0.5 | 1.0 | 0.8 | 0.6 | 0.45 | 0.35 | 0.9 | 0.35 | Nil | 0.15 | 0.6 | 1.5 | 1.55 | 1.05 | 1.3

DRILLING INTERVAL: 0.0 | 4.7 | 5.7 | 6.6 | 7.8 | 9.0 | 9.9 | 11.0 | 12.0 | 13.1 | 13.6 | 14.6 | 15.55 | 17.0 | 17.6 | 19.75 | 20.3 | 21.4 | 22.3 | 22.9 | 24.1 | 24.6 | 26.1 | 26.45 | 27.0 | 27.8 | 29.8 | 30.3 | 31.85 | 33.0

5 cm

Length 130.70"
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426449.68
Easting 397687.40
Elev. 518.55"
O.B. Thickness
B R Thickness

Contractor Longyear
Core 0-41 HQ 41-130.7 NQ Stored Kara Yard
Casing
Logged by G.C. Wolff Date 8 June 1978
Location

Started 30 May 1978 Finished 7 June 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 203
Project Tasminex Option
Area Kara East Ridge
Page of

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	No visible mineralisation.	OLIVINE BASALT medium to fine grained. Joint planes 30°, 45°, 90°. Strongly weathered throughout on joint planes to goethite clay. Numerous clay zones with few fresh basalt fragments particularly 30 to 36m.
	Contact obscure	50.25m CLAY SILTSTONE, fine to medium grained, few minor breccia zones. Numerous clay-goethite patches, few blebs, rare white patches, possibly detrital. No siliceous veining.
	No visible mineralisation	54.80m EPIDOTE-DIOPSIDE CARBONATE SKARN totally oxidized to goethite clay, with relict Epidote-Diopside texture. Sandy clay at 61-62m similar to clay siltstone above - may be weathered skarn.
	contact obscure	Fine grained dense epidote-diopside mass with large carbonate blebs and Pockets 67-72m, only minor goethite on fissures and fractures planes. Trace to 2-3% fine euhedral magnetite throughout but generally less than 1%.

| | | |

Length 130.70 m
Azimuth 000° UTM Contractor
Dip at Collar 50° Core Stored
Northing Casing
Easting Logged by G.C. Booth Date 8 June 1978
Elev. Location
O.B. Thickness Started 3 June 1978 Finished 7 June 1978
B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 203
Project Tomingley Gold
Area Tomingley

DRILLING INTERVAL	CORE RECOVERED	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	ASSAYS % Sn	ASSAYS ppm Pb	ASSAYS ppm Bi	ASSAYS ppm Mo	% VISUAL SCHEELITE	% U.V. RESPONSE SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
68.5	1.20															
69.2	0.9															
70.75	1.45															
72.2	1.45															
73.5	1.50	21054	72	73	1m	11ppm	95ppm						Unoxidized.	25° 70°		T
		21055		74	1m	0.08	93ppm				Tr	Tr		70° 65°		
75.2	0.50	21056		75	1m	0.09	0.09							70°		
76.0	0.30	21057		76	1m	1.06	0.06						Dk. yellow orange 10YR6/6 to Dusky brown 5YR2/2 to greenish black N2	45°		Tm
77.25	0.75	21058		77	1m	1.12	0.09							70°		
78.2	1.05	21059		78	1m	0.47	0.09				1.5%	2%		45°		
79.8	0.70	21060		79	1m	0.90	0.06							70°		Tm
80.0	0.20	21061		80	1m	0.75	0.09							45°		
81.2	1.20	21062	80	81	1m	1.18	0.09							70°		
82.2	1.45	21063		82	1m	1.52	0.09							20°		
		21064		83	1m	2.34	0.14						Dk. Yellow orange 10YR6/6 to grayish orange 10YR7/4, blotched dusky brn. 5YR2½	20°		T
84.2	1.10	21065		84	1m	0.44	0.25				0.5%	0.5%		20°		
85.7	1.50	21066		85	1m	0.46	0.20							20°		
		21067		86	1m	0.20	0.24							20°		
87.2	1.45	21068		87	1m	0.13	0.27				Tr	0.1%		20°		
88.2	1.00	21069	87	88	1m	0.04	0.15							20°		
89.2	Nil	21373	88	89	1m	0.26	0.31	200	80	61				75°		
	Broken and Recovery not estimated	21374	89	90	1m	0.01	0.01	30	<20	<20	Nil	Nil	Grayish pink 5R8/2 to moderate to orange pink 10R8/4	30° 45° 70°		Q
		21375	90	91	1m											
92.5																
92.9	0.40															
94.3	1.10															
95.4	1.10													45°		
96.4	1.00													30°		
97.3	0.75															Q
98.5	1.20													45°		
99.2	Broken and Recovery not estimated													20°		
100.2																
100.9	0.70													30°		
101.4		21376	100	101	1.0											Q
		21377	101	102	1.0											

SURVEY	Depth	0m	20m	40m	60m	80m
	Dip	50°	50°	51°	51°	51°
	Azimuth	—	—	—	—	—

5 cm

MINERALISATION

No visible mineralization

Trace fine scheelite in v/v

Contact obscure

73 Trace fine scheelite in v/v

Coarse unoxidized scheelite as blebs to 5-5mm scheelite fracture-fill in part.

80 very coarse unoxidized scheelite throughout as blebs rarely to 1cm scheelite

83 Common in part

0.5% fine scheelite to 2mm roughly aligned on foliation

86 Trace fine scheelite to 1mm, no preferred alignment

No visible mineralization

GEOLOGY

EPIDOTE-DIOPSIDE-CARBONATE SKARN

as above. Strong increase in carbonate from 72m to 73.3m Highly oxidized 73.3-74m to clay with weathered rock fragments.

74.00m

MAGNETITE-EPIDOTE-DIOPSIDE SKARN

Diopside-epidote partly to strongly weathered to clay, magnetite (>50% of rock) rimmed with goethite, few minor patches totally oxidized to goethite.

Becomes quartz rich, with a trace of grossular garnet 81.2-81.8m.

Foliation 70°ca, jointed 45°

82.00m

EPIDOTE-DIOPSIDE SKARN.

Strongly weathered, numerous carbonate leach cavities, abundant secondary Silica. Trace to 1% fine goethite after magnetite, rare grains unoxidized magnetite. Foliation 70°CA.

88.00m

QUARTZITE - medium to coarse grained. Strongly foliated 70-80°ca Trace disseminated magnetite to 99m and 102-103.5m

Very strongly fractured along 45° and 30° mutually perpendicular Strongly leached and limonite throughout, numerous fractures to 1cm

5 cm

020

Length 130.70m Contractor
Azimuth 090° UTM Core Stored
Dip at Collar 50° Casing
Northing Logged by G.C.Wolff Date 8 June 1978
Easting Location
Elev.
O.B. Thickness Started 30 May 1978 Finished 7 June 1978
B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 203
Project Tasmanex Options
Area Kara Lode

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DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	ASSAYS % Sn	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
103.4			21078	102	103	1m			102						Q
104.5	1.0		21070	103	104	1m	0.33	0.13	104						60°
105.2	0.45		21071		105	1m	0.26	0.11							
105.8	0.6		21072		106	1m	0.10	0.05	106	0.2	0.3				T
107.1	1.1		21073		107	1m	0.12	0.19							
108.2	0.7		21074		108	1m	0.06	0.13	108						
109.1	0.4		21075		109	1m	0.09	0.05							
110.0	0.9		21076		110	1m	0.05	0.01	110	0.2	0.3				
110.9	0.9		21077	110	111	1m	0.02	96ppm							20°
112.2	1.30		21078	111	112	1m	0.04	0.01	112						
			21079		113	1m	0.15	0.03							Tm
113.9	1.60		21080		114	1m	0.21	0.08	114	Tr	0.2%				
			21081		115	1m	0.15	0.04							
115.4	1.60		21082		116	1m	0.15	0.06	116						
117.0	1.60		21083		117	1m	0.10	0.17							
118.0	1.0		21084		118	1m	0.11	0.18	118						
119.0	0.95		21085	118	119	1m	0.53	0.28							Tm
119.9	0.75		21086		120	1m	0.02	0.02	120						
122.2	0.26														
122.5	0.30								122						Qe
122.7	0.18														
121.8	0.15														
120.8	0.95								124	Nil	Tr.				
123.2	0.15														
123.8	0.10														
124.1	0.15														Qe
124.4	0.25														
125.3	0.85								126						
125.8	0.40														
126.4	0.50														40°
127.9	1.50								128						
129.2	1.30									Nil	Tr				Gr
130.7	1.50								130						
									132						
									134						
									136						

7 @ 10-20 ppm W

SURVEY

Depth										
Dip										
Azimuth										

MINERALISATION

overall 0.2-0.3% scheelite finely disseminated. Few blebs to 3mm. No weathering of scheelite.

Trace fine scheelite as isolated grains to 1mm. Rare bleb to 5mm. No weathering of scheelite, but [illegible] blebs fractured

Contact sheared.

No visible mineralization. Negative U/V response

No visible mineralization Negative U/V response

GEOLOGY

QUARTZITE as above

103.50m

EPIDOTE-MAGNETITE SKARN

coarse grained epidote rock, minor diopside, with 30% finely disseminated magnetite. Becomes increasingly siliceous from 109.0, with fall in magnetite, increase in epidote. Strong oxidation of epidote but only minor oxidation of magnetite to hematite/goethite

Weak foliation 70°CA., fracturing 40°

110.70m

QUARTZ-MAGNETITE-GARNET EPIDOTE SKARN

Essentially an epidote rock [illegible] graded banding facing west, 5% fine grossular garnet. To 1% grossular garnet, epidote, subordinate quartz. Magnetite, partly altered to hematite locally 10% but overall 6%. Strong foliation [illegible]

119.05m

EPIDOTE QUARTZITE - fine grained siliceous epidote rock, flinty and highly fractured. Unmineralized except for sheared clay zones 119.0-119.9 and 124.5-124.6. Foliated 45°CA, jointed 80° and 30°. Few granitized bands to 5cm over last metre from 126.0. Sharp contact with granite 40°

127.10m

BIOTITE GRANITE medium grained, unoriented other than thin kaolin selvedge on joint planes at 45° and 70°.

130.70m END OF HOLE

183022

027

5 cm

Depth	Dip	Azimuth
0	50°	—
20'	52°	—
40'	51°	—
60'	51°	—
108'	51°	—

GEOLOGY

No CORE RECOVERED. Sludge & angular quartz grains with minor Kaolin - decomposed GRANITE
3.50 m

GRANITE medium to coarse grained, few very fine grained zones to 0.5 m possibly APLITIC. Totally weathered to a sandy clay. Fe stained quartz - Kaolin veins. Strong joint pattern with some zones 40° CA

18.40 m

No CORE RECOVERED sludge coarse angular quartz to 3.0 mm GRANITE
19.20 m

QUARTZ, transparent, well crystallized, Fe stained in part, 5 mm coarse grained. Granite fragments 12 x 5 cm. Core broken and fractured but with several sub-vertical veins of quartz
21.80

EPIDOTE QUARTZ SKARN

A dense epidote rock with 10-20% fine silica, 2-5% goethite.
Totally weathered to 38.5 m a muddy clay with fragments of weathered epidote, goethite, fine MnOx and magnetite.
Weak sheeted joint planes at 40-50° cm, numerous random dissemination planes in heavy clay zone.
30.35 m magnetite 40% in kaolin cemented by goethite - limonite

MINERALISATION

No visible mineralization.

No visible mineralization. Contact broken and obscured

No visible mineralization.

| | | |

183023

022

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization.	From 38.7 - 41 m weathering is less intense and rock is a massive aplite with a trace of fine schist. 39.2 to 39.7 +15% hematite/magnetite as blebs to 5 mm.
				Contact obscure.	41.0 m MAGNETITE EPIDOTE SKARN Fg-Md. rock with 25% coarse magnetite, foliated 45°. Epidote 70% weathered to clay, mineral is earthy grey. Cleats, rimmed with hematite and goethite. 45.0 m
				Bare trace finely disseminated fresh scheelite visible in U/V.	MAGNETITE EPIDOTE SKARN as above but 40-50% magnetite increasing down hole. Foliation 30-35° Epidote 30-40% and early minor weathering of magnetite. 48.5 m
				Trace to 0.5% finely disseminated fresh scheelite. Few larger blebs to 2mm aligned along foliation.	MAGNETITE EPIDOTE SKARN +70% magnetite, 30% interstitial aggregates, trace of actinolite, weak foliation 30°. No oxidation but core is fractured and friable. 51.7 m
				Coarse scheelite to 2%, as blebs and crystals to 2-3mm. Finely disseminated scheelite visible in U/V. No oxidation of scheelite but generally fractured and friable.	EPIDOTE MAGNETITE QUARTZ SKARN Epidote, 10-70% magnetite, fine interstitial quartz, to 1% medium grained garnet, strongly weathered throughout and highly fractured. Sand size to 5% 58.7 3.0% granular garnet/epidote. Foliated (Bedding) 30-35° CA 58.7 GARNET MAGNETITE EPIDOTE SKARN 59.60 m
				Trace fine scheelite throughout.	58.20 1% scheelite to 2 mm throughout. No oxidation of scheelite
					42% locally 4-5% coarse scheelite to 1.5cm. Go 4-5% to 6% in grossular zone. No oxidation of scheelite QUARTZ EPIDOTE GARNET SKARN Fg grossular-epidote-quartz skarn, minor magnetite, 10% magnetite 0-2 cm veins. No weathering. 62.80 m
					Scheelite throughout, 2-5% finely disseminated to coarse, locally coarse (up to 2cm) (67.2m), planar 1 to 5 cm bed parallel ±2% No scheelite oxidation MAGNETITE GROSSULAR SKARN Banded magnetite, grossular garnet 65% to 10% epidote, 10% quartz. Coarse variety 1-3 cm

| | | | | |

183024

023

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
				1% Scheelite, locally very coarse to 2-3 cm, unit has dominantly banding fracture fillings Trace fine sulphide (pyrite) throughout. No scheelite oxidation.	MAGNETITE GARNET EPIDOTE SKARN Banded magnetite (20%) garnet, minor (5%) epidote. Texture dominantly granular around 75° Magnetite decreases to 5% with corresponding increase in garnet. Strong chlorite + hematite alteration No weathering
				contact gradational	78.20m
				Trace fine scheelite to 0.5 mm in magnetite rich zones. Trace of 1% sulphide, increasing downward, from 84m.	GARNET MAGNETITE SKARN Near solid magnetite in zones, fine to coarse garnet, dominantly granular to 2-3 mm, 30-40% Magnetite Foliation-banding 80°
				Base trace only for scheelite visible in U/V	87.60m MAGNETITE EPIDOTE GARNET SKARN Strongly banded, 50-60% magnetite 20% garnet-diopside, 2-5% fine sulphides, 10% fine to coarse epidote-garnet bands (remainder) 91.0 GABBRO Strongly foliated, 80° to c.a. Minor 1mm pyrite 93.00m
				No visible mineralization. Negative U/V response	QUARTZ EPIDOTE ROCK Medium grained, granular epidote, locally quartz. Locally some blebs of chalcopyrite. Rock possibly EpiAltered fine grained granite, low texture of core. 91.0 to 93.0 102.10m

| GEOLOGY | | | |

1830[illegible]

024

5 cm

SURVEY							
Depth	0	20	40	60	108"		
Dip	50	52°	51°	51°	51°		
Azimuth							

GEOLOGY

∴ GRANITE coarse grained to 5mm, very strongly epidotized. Few relict biotite flakes from 106" strongly leached, kaolinized throughout

108.0m END OF HOLE

MINERALISATION

No visible mineralization. Negative U/V response.

GEOLOGY	Gr
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Nil
% VISUAL SCHEELITE	Nil
SCALE	102 104 106 108
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.40 1.43 1.50 1.45
DRILLING INTERVAL	102.10 103.5 105.0 106.5 108.0

Length 108.0m
Azimuth 090° U.T.M.
Dip at Collar 50°
Northing 5425858.0
Easting 397262.0
Elev. 515.0m
O.B. Thickness
B R Thickness

Contractor
Core
Stored Kara Yard
Casing
Logged by G.C. Wolff
Date 14 June 1978
Location
Started 7 June 1978
Finished [illegible]
Started
Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project Tasminex Option
Area Kara [illegible]

Page 4 of [illegible]

025

5 cm

SURVEY	Depth	0 m	40 m	80 m	96 m								
	Dip	55°	56°	56°	56°								
	Azimuth	—	—	—	—								
MINERALISATION		No visible mineralization		No visible mineralization									
GEOLOGY		Gr		Gr		Q		Q		Q			

GEOLOGY

GRANITE - totally weathered to a kaolinic clay with Quartz fragments to 3mm

contact obscure

6.00m END OF NON CORE DRILLING

GRANITE, medium grained to 3-4mm. Totally weathered to a kaolin clay with residual quartz, strongly stained with goethite

contact obscure

14.00m

QUARTZ PEBBLE CONGLOMERATE

Highly siliceous, strongly cemented, regolith, 90% base pebbles 2-5mm well rounded and poorly sorted, pervading dominantly fine sand matrix, to an angular quartzite with minor angular fragments to 10mm

Clay content increasing down hole from 25m, clay band with rounded quartz pebbles 16-17m

Highly fragmented, fine sand matrix, pebbles mostly quartzite

28.00m

QUARTZ PEBBLE CONGLOMERATE medium to coarse grained quartzite pebbles to 30mm, generally to a fine grained quartz sand matrix with rare coarse grained quartz pebbles, pebbles rounded to sub-angular, strongly mineralised in fine grained matrix, 1% fine grained pyrite

Area to a quartz-rock clay at 16

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200 (0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34)

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED: NOT CORED | CORE TO FRAGMENTED TO MEASURE RECOVERY

DRILLING INTERVAL

Length 96.50m
Azimuth 090° U.T.M.
Dip at Collar 55°
Northing 5425899.10
Easting 397264.5
Elev. 512.0m
O.B. Thickness ____ Started 16 June 1978 Finished ____
B R Thickness ____ Started ____ Finished 19 June 1978

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.WOHL Date 19 JUNE 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 205
Project KARA
Area Western Contact
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Assays Recalculated as WO_3 from initial %W assays

5 cm

026

Length 96.50m
Azimuth 090° U.T.M.
Dip at Collar 55°
Northing 5425899.10
Easting 397645
Elev. 512.0'
O.B. Thickness
B R Thickness

Contractor
Core
Casing
Logged by G.C. Wolff
Location
Started 15 June 1978
Finished 19 June 1978
Date 19 June 1978
Stored

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 35
Project KARA
Area WESTERN CONTACT

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SURVEY	
Depth	
Dip	
Azimuth	

DRILLING INTERVAL	CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % WO_3	ASSAYS ppm Sn	ASSAYS ppm Pb	ASSAYS ppm Bi	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
35.9																	
36.0	0.50																
37.6	1.20																
39.2	1.44																
39.7	0.50																
40.8	0.70																
41.8	0.80																
42.5	0.30																
43.0	0.90																
43.7	0.70																
44.5	0.60																
45.2	0.65																
46.2	0.90		21151	45	46	1.0	0.11	110	40	80							
47.1	0.90		21152	46	47	1.0	0.06	130	80	20						T	
48.2	0.60		21153	47	48	1.0	0.09	340	140	<20							
49.2	0.95		21154	48	49	1.0	0.01	600	40	30						g	
50.0	0.75		21155	49	50	1.0	0.02	680	120	<20		Tr	Tr				
50.2	0.35		21156	50	51	1.0	0.16	270	120	110		Tr	Tr				
51.2	0.60		21157	51	51.6	0.6	1.70	860	140	80							
52.7	1.50		21158	51.6	52.8	0.2	0.14	270	120	20							
	1.4 +34.1		21159	52.8	53.0	0.2	2.17	280	760	180		0.4	0.5				
55.7	0.2 +55.7		21160	52	53	1.0	0.58	350	140	20						m	
57.2	0.60		21161	53	54	1.0	0.26	390	220	<20							
57.9	0.55		21162	54	55	1.0	0.16	270	200	<20							
59.2	1.00		21163	55	56	1.0	0.44	270	220	<20							
60.2	0.75		21164	56	57	1.0	0.09	480	180	20							
61.6	1.30		21165	57	58	1.0	0.29	260	300	340							
63.0	1.40		21166	58	59	1.0	0.01	280	240	<20							
63.7	0.70		21167	59	60	1.0	0.18	310	220	210		Tr	Tr			m	
65.2	1.50		21612	60	61	1.0											
66.2	0.95		21613	61	62	1.0											
67.7	1.40		21614	62	63	1.0											
			21615	63	64	1.0											
			21616	64	65	1.0											
			21617	65	66	1.0										Tm	
			21618	66	67	1.0											
			21619	67	68	1.0											

MINERALISATION

No visible mineralization
Negative U/V response

BASE OF TOTAL OXIDATION 48.20m

No visible mineralization
Negative U/V response

Trace fine scheelite throughout, few isolated to 3mm.
51.6 - 52.0m ± 1%, few large Mohs scheelite.
No oxidation of scheelite

BASE OF PARTIAL OXIDATION 63.80m

No visible mineralization
Rare trace fine scheelite in qtz.

GEOLOGY

relict epidote

35.90m

EPIDOTE QUARTZ GARNET SKARN

Epidote, minor actinolite, fine quartz 20%, rare grossular garnet, trace andradite, to 40m, grossular increasing down hole to 5%.
Few zones granular quartz-K spar, strongly foliated 45° goethite after magn. in silica from 43m.
Strongly to totally weathered to quartz clay to 41.8m, partly oxidized, numerous slightly weathered zones to 48.2m.
< 5% goethite after magn. throughout.

48.20m

GARNETITE grossular garnet skarn, 5% fine magnetite. Highly fractured and broken.

50.20m

MAGNETITE ACTINOLITE SKARN

80-90% magnetite, 10% actinolite, trace grossular garnet, increasing to 1-3% from 60m.
Slightly weathered, friable, throughout. Foliated 30-40°.

63.80m

GARNET MAGNETITE SKARN

30-45% unoxidized magnetite, fine banded with grossular garnet, trace actinolite. Strong foliation 35°

68.30m

1830 N

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

027

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
	68.30			Trace fine cassiterite scheelite to 1 mm, few crystals to 2-3 mm.	MAGNETITE GARNET SKARN +80% magnetite, locally 100%, strongly banded 30-40° with granular garnet, trace epidote.
	70.8				
	71.5			Trace coarse scheelite to 5 mm, mostly finely disseminated to 1-2 mm	
	74.0				
	74.4			Trace, locally fine green blebs scheelite to 2 mm through salt on foliation.	
	78.40			Trace fine scheelite through band	GARNET MAGNETITE SKARN Strongly banded granular garnet magnetite 50% granular garnet 80-85%, magnetite 5-10% 85-91.45 m foliation-banding 30-40° to C.A. Trace hydrogarnet in fractures planes 85°
	91.45				GRANITE — fine grained pale pink to 92 m, weakly epidotized coarser (2-5 mm) porphyritic Leuc. Trace fluorite 92 m
					END OF HOLE 96.50 m

GEOLOGY: 34° M | M | 46° Mt | Mt | Mt | 46° Gr

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: Tr | Tr | +½% | +0.5 | +0.5 | <0.5 | Tr | Tr | Tr | Tr

% VISUAL SCHEELITE: Tr | +½% | +0.5 | +0.5 | <0.5 | Tr | Tr | Tr | Tr | Tr

SCALE / : 200 — 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 98

ASSAYS

SAMPLE NUMBER	FROM :	TO :	SAMPLE WIDTH	% WO_3	ppm Sn	ppm Pb	ppm Bi
21168	68	69	1.0	0.29	680	200	130
21169	69	70	1.0	0.81	760	240	140
21170	70	70.8	0.8	0.7	780	220	200
21171	70.8	71.5	0.7	6.09	350	180	80
21172	71.5	72	0.5	1.13	300	100	30
21173	72	73	1.0	1.70	360	140	120
21174	73	74	1.0	1.12	470	220	190
21175	74	75	1.0	1.20	500	160	180
21176	75	76	1.0	0.36	620	120	130
21177	76	77	1.0	0.36	570	300	200
21178	77	78	1.0	0.23	370	180	140
21179	78	78.9	0.9	0.21	780	90	300
21180	78.9	79	0.6	0.25	200	100	320
21181	79	80	1.0	0.15	390	220	80
21182	80	81	1.0	0.09	200	50	30
21183	81	81	1.0	0.03	270	160	60
21184	81	83	1.0	0.03	440	40	70
21185	83	84	1.0	0.02	210	160	420
21186	84	85	1.0	0.03	550	140	90

SAMPLE WIDTH: 1.0 | 1.0 | 0.8 | 0.7 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0

TO : 69 | 70 | 70.8 | 71.5 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 78.9 | 79 | 80 | 81 | 81 | 83 | 84 | 85

FROM : 68 | 69 | 70 | 70.8 | 71.5 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 78.9 | 79 | 80 | 81 | 81 | 83 | 84

SAMPLE NUMBER: 21168 | 21169 | 21170 | 21171 | 21172 | 21173 | 21174 | 21175 | 21176 | 21177 | 21178 | 21179 | 21180 | 21181 | 21182 | 21183 | 21184 | 21185 | 21186

SCALE

CORE RECOVERED: 0.50 | 0.70 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50

DRILLING INTERVAL: 68.5 | 69.2 | 70.7 | 72.2 | 73.7 | 75.2 | 76.7 | 78.2 | 79.7 | 81.2 | 82.7 | 84.2 | 85.7 | 87.2 | 88.7 | 90.2 | 91.7 | 93.2 | 94.7 | 96.2

Length 96.50 m
Azimuth 090° UTM
Dip at Collar 55°
Northing 5425879.10
Easting 397264.5
Elev. 512.0 m
O.B. Thickness ____ Started 16 June 1978 Finished ____
B R Thickness ____ Started ____ Finished 19 June 1978

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 19 June 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 205
Project Kara
Area Western Contact
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028

5 cm

Depth	Dip	Azimuth
0	53°	55°
92'		

GEOLOGY

Mod. cored ... Sludge highly decomposed granite, kaolinised ... angular pieces ...

6.30' GRANITE, medium grained ... to 3 cm, porphyritic. Hematite weathered & fractic kaolinised ... angular fine ... Rotting with minor biotite ... 11.00

QUARTZITE, fine ... grained to 2 mm, thin quartz ... Highly weathered ... fractic kaolinised ... Becomes clayey, finer grained from 19'.

Foliated 30°, numerous clay ... slip-sloss planes 30°

21.30' CONGLOMERATE, rounded quartz pebbles to 5-6 cm, fining down hole to a medium grained quartzite from 26'. Very highly fractured along ... planes at 60°, 45° intersecting. Thin clay-goethite seams ... Most fractures.

30.80' EPIDOTE GARNET SKARN. Highly weathered ... clay with 20% residual ...

MINERALISATION

... contact broken

No visible mineralization. ... clay filled seam

Contact broken, obscure

No visible mineralization.

No visible mineralization.

GEOLOGY	Gr					Gr												Q												Q				
MINERAL																																		
STRUCTURE						45°	45°					35°	35°					35°																	
COLOUR & COLOUR CODE						grey-orange pink 10R8/2 to pale yellow-orange 10YR8/6						Pale yellow-orange 10YR8/6 to DK. yellow-orange 10YR6/6						DK. yellow-orange 10YR6/6						very pale orange to grey-pink 10YR8/2 to 5R8/2											10YR8/6
U.V. RESPONSE % SCHEELITE																																		
% VISUAL SCHEELITE																																		
SCALE	0	2	4	6		8	10			12	14	16	18	20			22	24	26	28	30			32	34									
ASSAYS																																		
% W																																		
SAMPLE WIDTH																																		
TO :																																		
FROM :																																		
SAMPLE NUMBER																																		
SCALE																																		
% CORE RECOVERED						0.6	0.95			0.25	1.10	0.85	1.35	0.4	1.3	1.35	1.0	0.4	0.5	0.35	0.6	0.7	6.3	2.5	0.35	0.4	0.66	0.85	0.45	0.27	0.46	1.10	0.6	
DRILLING INTERVAL	6.3	7.6	8.7	9.6	10.75	11.1	12.1	13.7	15.2	17.6	19.2	19.8	21.3	22.6	23.1	23.5	24.1	24.6	25.8	26.8	27.2	33.5	28.7	29.7	30.4	31.4	31.8	33.3	33.4					

Length 92·00'
Azimuth 090° UTM
Dip at Collar 53°
Northing 5425937·2
Easting 397264·5
Elev. 507·70'
O.B. Thickness ____ Started 20 June 1978 Finished 23 June 1978
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.Wolff Date 24 June 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 206
Project KARA
Area Western Contact
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029

183030

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization, except for trace fine scheelite 36.5-38.8, with a few coarse blebs 103m 36.6-39.7, in massive grossularite band.	Garnet. 10% goethite original along foliation at 30°. Trace relict magnetite in goethite. Fine grained dainty granular. 33.3-33.7m Base of major weathering 42.30' 42.30
				Few narrow zones of 0.1-0.2m carrying coarse scheelite along foliation generally with garnet envelope, as follows: 42.7-42.9, 47.8-47.9m, 48.2-48.35m. Trace sections possibly to 0.5% scheelite Above 49.5m	MAGNETITE, coarsely crystalline 6.5m 5-10% grossular, garnet throughout, in crystals to 1cm. Magnetite friable, shows magnetic "sand" with garnet. Weak foliation 30-40° to 49m, gradually changing to 55m.
				Trace fine scheelite disseminated throughout, to 0.5m, no significant foliation. Fluorescence weak but no apparent correlation - core quite fresh and unweathered. No scheelite weathering	No significant weathering. Trace goethite stained fractures 45-46m 55.40
				Bore tree very fine scheelite.	ACANTHITE, GARNET, MAGNETITE, PYRITE, minor fine grained goethite/limonite, trace pyrrhotite. Garnet, 10-20% fine grained, massive to granular. Foliation 50° Fine grained magnetite in zones to 5m. 56.00m FACULTY MARGUERITE SKARN
				No significant mineralization.	Coarsely crystalline marble, white and fluorescent, apparently massive granular garnet in zones to 1m, roughly aligned parallel to foliation. Trace fine grained scheelite throughout. Colour mottled.
					+ 5% calcite throughout

| GEOLOGY | | | | |

030

5 cm

Depth	Dip	Azimuth	GEOLOGY	MINERALISATION
			assemblage, biotite and [illegible] alteration. Magnetite decreases down hole gradationally to 50-55% at 73.30m with blebby GARNET DIOPSIDITE SKARN	No significant mineralization. Calcite veinlets.
				No significant mineralization. Rare trace fine (20/m) scheelite randomly orientated. Few specks at 0.3m. +0.5% scheelite generally random and very fine grained. 80.2m Few larger blebs of scheelite. Rare trace fine scheelite. +0.5% scheelite, few blebs to 0.5mm, mostly very fine "dust" randomly disturbed. No scheelite weathering.
			Strongly banded, garnet 40%, magnetite 60%, granular, weak banding down hole. Trace contact Hornfels. Strong foliation. Magnetite 70% garnet 30%, fine grained. 87.50m EPIDOTE QUARTZITE fine grained, 10% specks / veinlets, trace garnet, 5% very fine magnetite. Foliation 70° to CA. 91.50m	Rare trace very fine scheelite. No significant mineralization.
			92.00m GRANITE - fine grained aplitic END OF HOLE	

GEOLOGY: Mt | 60° | TM | 60° | QE | 75° Gr

MINERAL

STRUCTURE: 50° | 60° | 60° | 50° | 60° | 70° | 80° | 50° | 70°

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: Nil | Nil | Tr | 0.5 | Tr | 0.5 | Tr | Nil

% VISUAL SCHEELITE: Nil | Nil | Tr | 0.5 | Tr | 0.5 | Tr | Nil

SCALE 1:200: 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92

ASSAYS

SAMPLE NUMBER	FROM :	TO :	SAMPLE WIDTH m	% W ppm	ppm Sn	ppm Pb	ppm Bi
21255	75	76	1.0	<20	20	100	<20
21256	76	77	1.0	<20	20	140	<20
21257	77	78	1.0	<20	30	120	80
21258	78	79	1.0	<20	50	160	<20
21259	79	80	1.0	40	40	120	100
21260	80	81	1.0	70	50	180	<20
21261	81	82	1.0	50	80	100	<20
21262	82	83	1.0	80	200	100	120
21263	83	84	1.0	80	320	120	120
21264	84	85	1.0	40	70	90	<20
21265	85	86	1.0	90	390	90	100
21266	86	87.2	1.2	60	210	100	<20

SCALE

CORE RECOVERED: 1.5 | 1.34 | 1.45 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.0 | 1.5 | 1.5 | 1.20

DRILLING INTERVAL: 68.2 | 70.7 | 72.2 | 73.7 | 75.2 | 76.7 | 78.2 | 79.7 | 81.2 | 82.7 | 84.2 | 85.7 | 86.2 | 87.2 | 88.7 | 90.2 | 91.4 | 92.0

Length 92.00m — Contractor —
Azimuth 090° UTM — Core — Stored —
Dip at Collar 53° — Casing —
Northing — Logged by G.C. Wolff Date 24 June 1978
Easting — Location —
Elev. —
O.B. Thickness — Started 20 June 1978 — Finished 23 June 1978
B R Thickness — Started — Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 206
Project KARA
Area WESTERN CONTACT
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031

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization.	NOT CORED. Strong fine to medium grained quartz sand and kaolin - highly weathered GRANITE 3.70m QUARTZITE very strongly weathered to a weak friable clayey sandstone, with a few hard quartzite pebbles. well developed joint pattern throughout, with many joints at 80° and 45° Possibly a conjugate set with bedding Considerable quartz stringer throughout with a few joint planes and a few random pebble sized quartz veins 27.30m QUARTZITE as above but less sericite, very few fractures on joint planes Trace only of clay, minor graphite
				No visible Mineralization	

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE /:200 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

ASSAYS

	ppm Bi	ppm Pb	ppm Sn	% W ppm

5 cm

SURVEY											
	Depth	0	100 m								
	Dip	50°	50°								
	Azimuth										

MINERALISATION

No visible mineralization.

0·5% fine scheelite, barely visible without U/V light, in goethite blebs after magnetite. Few 1·0 cm fragments from 38·44 to 38·85 along foliation

No visible scheelite or haze of scheelite.

0·5% scheelite to 1 cm 38·85 - 39·40 m No oxidation

0·5% scheelite as above 40·6 - 41·1 m

Trace scheelite 41·1 - 42·2 m

Occasional fine grains of scheelite under U/V light.

GEOLOGY

QUARTZITE as above

35·60 m

GARNET MAGNETITE SKARN — Totally weathered to 38·7 to a clay, rich in goethite, trace magnetite, with residual grossular garnet. Partly weathered to 38·85. Foliated 50°

38·85 MAGNETITE GARNET SKARN

+75% magnetite, locally 100%, grossular garnet 25% max. 5% epidote/actinolite throughout. Irregular blebs and stringers of calcite generally along foliation but also as stockwork veinlets throughout core but particularly 50 - 63 m.

Foliation (banding) strong throughout. 45-50° to core changing to 80° to 67·3 m. Folding around 51 m where foliation is orange. 30°-50°-80°.

Core is unweathered throughout

67·30 m

Length	101.20 m	Contractor	
Azimuth	090° UTM	Core	Stored
Dip at Collar	50°	Casing	
Northing		Logged by	E.C. Wolff Date 29 June 1978
Easting		Location	
Elev.			
O.B. Thickness	Started 24 June 1978	Finished	
B R Thickness	Started	Finished	

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 207
Project WARA
Area WESTERN CONTACT

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SCALE	CORE RECOVERED	DRILLING INTERVAL	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % WO3	ASSAYS ppm Sn	ASSAYS ppm Pb	ASSAYS ppm Bi	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
		34·10									34						
		35·1	21268	34	35	1·0	0·01	420	20	<20							Q
	0·20	35·4	21269	35	35·6	0·6	0·02	40	50	<20	36						
	0·25	36·9	21270	35·6	36·9	1·3	0·02										
	0·26	37·2	21271	36·9	37·2	0·3	0·08	590	100	220							
	1·05		21272	37·2	38	0·8	0·02	200	280	20	38	0·1	0·5				Tm
		38·05	21273	38	38·85	0·85	0·63	210	160	210							50°
			21274	38·85	39·4	0·55	1·19	280	100	20		0·5	0·5				
	1·55	40·6	21275	39·4	40·6	1·2	0·89	200	100	<20	40	0%	0·2				
			21276	40·6	41·1	0·5	0·33	300	90	<20		0·2	0·5				
	1·90	42·2	21277	41·1	42·2	1·1	0·74	780	50	50		+Tr	+Tr				
	1·20	42·4	21278	42·2	43	0·8	0·04	320	140	100	42						
	1·15	44·6	21279	43	44	1·0	0·03	1080	120	140							
	1·15	45·8	21280	44	45	1·0	Tr	640	100	40	44						
	1·35	47·3	21281	45	46	1·0	Tr	360	100	<20							
	1·6	48·9									46						
	1·2	50·1															
	1·1	51·2									48						
	1·5	52·7															
	1·5	54·2									50	Tr	Tr				
	1·5	55·7															
	1·05	56·8									52						
	0·55	57·2															
	1·5	58·7									54						
	1·5	60·2															
	1·5	61·7									56						
	1·5	63·2															
	1·5	64·7									58						
	1·5	66·2															
		67·7									60	Tr					
											62						
											64						
											66						
											68						70°

033

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	occasional specks of sphalerite. Hornfelsed, finely disseminated magnetite. Overall, base trace	MAGNETITE GARNET EPIDOTE SKARN Strongly foliated 70-85° magnetite, 50-60% local bands 90%, grossular garnet, 5-10% epidote. Blebs calcite, few stringers throughout. Banded pinkish-brown downwards from 74m.
		79.00m
	Trace very finely disseminated sphalerite 91-93m	GARNET EPIDOTE SKARN Massive grossular garnet, trace epidote, ±5% magnetite, becoming few bands at 81.2-81.7m magnetite. Strongly foliated in magnetite zone.
		89.00m
	Trace of very fine sphalerite to 87m ±0.2%, very finely disseminated. 87m: trace to nil. 87.3m: No detectable of skarn or sphalerite	GARNET DIAGNETITE SKARN Strongly banded/foliated dark brown magnetite ± garnet, abundant epidote from 87-91m 30%. Garnet 80% grossular, 20% andradite. At 92.2m, andradite zone 50-60% in bands. Trace of sphalerite in magnetite veins and stringers along foliation
		96.30m
	No visible mineralization.	APLITIC GRANITE Very strongly foliated pink granite, mostly barren of skarn, local epidote altered zones. Occasional granite-pegmatite to 0.5cm.
		LOG 30.11.78
		END OF HOLE

| | | |

034

5 cm

GEOLOGY

SANDSTONE (QUARTZITE)

70% fine grained quartz grains in matrix
less than 10% contact of 10.5 - 19.7m with 90%
parts (recrystallized quartzite) Minerals 15 cross
& usually less than 5% Remainder
dense clayey material may be due
at 10% Some small
Silicon containing
only in a

19.7m
Highly Weathered Greenstone & Epidote Rock
Host weathered chlorite

Highly Weathered, Crudely Banded,
Magnetite Epidote Skarn

Magnetite ranging from 60-90%
minor garnets and
Minerals
22 to
Some
29.52m Remainder

Epidote Magnetite Skarn (NOT Banded)
Similar rock
(Crudely Banded in places)

Rubble Contact

23.4m

Rubble of scheelite in this area
may be as high as 10% over 10cm
however average
run ~ 1.5 to 2m

20.1m

Host Large veins >20cm with
fine disseminations ~ 0.5% or higher

30.9m

as above
late fine Placement Arsenopyrite
Stage (Chlorite?) minor Calcite (red)

SURVEY	
Depth	0
Dip	50°
Azimuth	98°
MINERALISATION	
GEOLOGY	
MINERAL	
STRUCTURE	to CA
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	4%
% VISUAL SCHEELITE	No Visible Scheelite. 2%
SCALE 1:200	
ASSAYS	
% WO3	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
CORE RECOVERED	
DRILLING INTERVAL	No Core Recovered (TRICONED)

NQ to 29.4m — BQ to End Hole

Length	99.10m	Contractor	
Azimuth	090 UTM.	Core	Stored
Dip at Collar	50°	Casing	
Northing	5426018 ~~5426085~~	Logged by	D.F.D. Date 6/7/78
Easting	~~397262.8~~ 397262.8	Location	
Elev.	~~499.4~~ 499.4m		
O.B. Thickness		Started 29/6/78	Finished 2/7/78
B R Thickness		Started	Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 208
Project KARA
Area Western Contact
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035.

5 cm

Depth	Dip	Azimuth

SURVEY

GEOLOGY

Rocks / Diopside, epidote Skarn
Rocks [illegible] magnetite [illegible] 80% magnetite [illegible] Readily banded magnetite and green [illegible] 60% skarn 30% diopside [illegible] 30% [illegible] in skarn

Similar to above [illegible] magnetite

GARNET/DIOPSIDE/EPIDOTE [illegible] 43.6 to 44m [illegible] 80% [illegible] 44m to 49.6m skarn is a 80% [illegible] Some epidote not patches [illegible] 60% of total [illegible] 28% [illegible] disseminated carbonate

Similar to unit above, However [illegible] with between 40-60% magnetite

Rocks Mandile/Banded [illegible] [illegible] unit is [illegible] [illegible] mainly [illegible] [illegible]

Highly Weathered & Oxidated Banded Epidote Magnetite Skarn
This unit consists of Mandile Bands ~ 3% Epidote quartz & Quartz [illegible] bands

MINERALISATION

[illegible] disseminated sheelite [illegible] [illegible]

Very fine dissemination, [illegible] crystalline, but [illegible]

as above, Slight increase

as above

GEOLOGY: 60° TM 50° T 55° TM 60° [illegible]

MINERAL

STRUCTURE: 60° 50° 50° 50° 35° 50° 40° 60°

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: 0.2% in bands

% VISUAL SCHEELITE: 0.1% in bands; 0.1% overall

SCALE 1:200

ASSAYS

% WO_3

SAMPLE WIDTH	TO:	FROM:	SAMPLE NUMBER
1.0	35.0	34.0	21314
0.4	35.4	35.0	21315
0.67	36.0	35.4	21316
0.11	36.08	36.07	21317
2.22	38.4	36.18	21318
0.20	38.6	38.4	21319
1.46	40.06	38.6	21320
0.74	40.8	40.06	21321
1.55	42.35	40.8	21322
0.65	43.0	42.35	21323
1.0	44.0	43.0	21324
1.0	45.0	44.0	21325
1.0	46.0	45.0	21326
1.0	47.0	46.0	21327
1.0	48.0	47.0	21328
1.0	49.0	48.0	21329
1.0	50.0	49.0	21330
1.0	51.0	50.0	21331
1.0	52.0	51.0	21332
1.0	53.0	52.0	21333
0.5	53.5	53.0	21334
0.4	53.9	53.5	21335
0.55	54.45	53.9	21336
0.65	55.10	54.45	21337
1.0	56.1	55.1	21338
1.0	57.1	56.1	21339
1.0	58.1	57.1	21340
1.0	59.1	58.1	21341
1.45	60.55	59.1	21342
0.95	61.5	60.55	21343
1.0	62.5	61.5	21344
1.0	63.5	62.5	21345
1.0	64.5	63.5	21346
0.5	65.0	64.5	21347

SCALE

% CORE RECOVERED: [illegible] 3.0 3.0 [illegible] 0.55 2.0 3.0 3.0 3.0 3.0 [illegible]

DRILLING INTERVAL: [illegible] 37.6 40.6 43.6 46.6 [illegible] 52.6 55.6 [illegible] 61.6 64.6 67.6

Length 99.10m
Azimuth 090°0TM
Dip at Collar 50°
Northing 5426018.5
Easting 397262.8
Elev. 499.4m
O.B. Thickness
B R Thickness

Contractor
Core
Stored
Casing
Logged by D.F.D
Date 6/7/78
Location
Started 29/6/78
Finished 2/7/78
Started
Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 208
Project KARA
Area Western Contact

036

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200

ASSAYS

% WO_3

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length 99·10m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426018·5
Easting 397262·8
Elev. 499·4m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by D.F.D Date 6/7/78
Location
Started 29/6/78 Finished 2/7/78
Started Finished

McINTYRE MINES (AUST) P/L.
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Hole No. DDH 208
Project KARA
Area

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5 cm

SURVEY	Depth	0	33m	40m	50m	60m	70m			
	Dip	40°	40°	39°	39½°	39°	39°			
	Azimuth		355°E	358°E	356°E	57°E	57°E			

MINERALISATION

GEOLOGY

BIOTITE GRANITE → very coarse grained to 8-10mm, with a few minor zones 3-5mm, aplitic.

Foliated 40-45° throughout.

Feldspars strongly altered to sericite - epidote.

Several zones of almost total weathering to Kaolin with relict feldspar and quartz, notably 3.5 to 13.0m; 20.5-23.1m. Joint planes at 45° and 30° generally machined but remainder of core fresh and unweathered.

GEOLOGY: Gr | C (Gr) | Gr | C (Gr) | Gr

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED: 3.1 | 0.3 | 0.55 | 1.30 | No Core Received | 0.40 | 1.10 | 0.85 | 1.35 | 1.50 | 1.50 | 1.50 | 0.35 | 0.40 | 1.35 | 1.30 | 1.60 | 0.45 | 1.85 | 1.50 | 1.40

DRILLING INTERVAL: 0.00 | 3.5 | 4.5 | 5.7 | 7.2 | 11.7 | 12.7 | 14.0 | 14.7 | 16.2 | 17.7 | 19.2 | 20.7 | 21.3 | 21.4 | 23.6 | 25.1 | 26.7 | 27.6 | 29.7 | 31.2 | 32.7

Length 95.80m
Azimuth 116° UTM
Dip at Collar 40°
Northing 5425793.9
Easting 397246.5
Elev. 519.30m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C. Wolff. D.F.D. Date 10-16/7/78
Location
Started 3 July 1978 Finished 9 July 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 209
Project KARA
Area Western Contact
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038

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length 85·80m
Azimuth 16° UTM
Dip at Collar 40°
Northing 5425793·9
Easting 397246·5
Elev. 519·30m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by D.E.D Date 4/7/78
Location
Started 3 July 1978 Finished 9 July 1978
Started Finished

McINTYRE MINES (AUST) P/L.
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039

10264

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
			Gyrotinal	23.4m	clay from 69.8m to 70.3m. and grading into 0 fine micaceous sand from 73.2 - 73.4m
				79.9m	Very fine grained (massive textured) Deposit Contact Epidote Skarn Little or No Magnetite Mineralisation Mineralisation as Scheelite and Pyrite disseminated throughout Skarn to 85.8m at 73.4m. Country Rock Coarse Limestone Skarn is Magnetite.
					~ 40% Quartz (Calc Silicate Composition) 30% Magnetite 10% Actinolite (and Calc Silicate) 5% Epidote 10% Siliceous Minerals
				85.8m	Fine grained Marble to Medium grained Marble Weathered & Oxidised along fractures After 94m fine flakes of Molybdenite (MoS2) and some coarse Pyrite disseminated throughout Marble
				95.5m	END OF HOLE

Trace amounts as minute dots along fractures only (Scheelite)

| | | | | |

040

5 cm

SURVEY	
Depth	
Dip	
Azimuth	

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
	No Core TRYPANIFD	0												C		Not Cored Granite Clay
4.0m		2													4.0m	
5.0m	1.0m	4						4m								
6.10m	0.9m	6														
7.10m	0.75															
8.9m	1.30m	8														Weathered fine grained Dirty Quartzite
9.1m	0.7m								No Visible Scheelite			45°				
10.6m	1.42	10										25°				A yellow ochre to yellow-grey altered dirty sandstone. The whole unit is variable, from a gritty clay through to a hard dirty quartzite ie (17-25m)
12.7m	1.95	12										55°				
14.2	1.38	14										45°		Q		
15.1	0.73															
16.6	1.36	16														
18.1	1.40	18										45°				The clayey areas consist primarily of very fine grained quartz + feldspar (weathered) Kaolinite along and near joints. Little or no mafic minerals
19.4	1.30											50°				
21.0	1.42	20														
21.6	0.47															
22.7	1.1	22										45°				
24.0	1.25	24														
24.5	0.45											40°				
26.8	2.10	26														
27.0	0.20															
28.0	0.91	28														
29.2	1.12															
30.1	0.85	30						30								
30.7	0.55		21385	30	31	1.0	202									
31.9	1.20	32	21386	31	32	1.0	971 1576	32								
33.1	0.95		21387	32	33.1	1.1									33.1m	
		34	21388	33.1				34								

Length 127.50°
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426087.7
Easting 397236.0
Elev. 488.8m
O.B. Thickness
B R Thickness

Contractor
Core
Stored
Casing
Logged by D.F.D.
Date 12/7/78
Location
Started 10/7/78
Finished 13/7/78
Started
Finished

McINTYRE MINES (AUST) P.L.
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Hole No. DDH 210
Project KARA
Area Western Contact

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041

5 cm

SURVEY	
Depth	
Dip	
Azimuth	
MINERALISATION	dark crystals & unidentifiable < 2mm. 35.50m Large patches of fresh unweathered dark crystals throughout fine grained matrix 1mm – 5mm 40.76m 42.2m 43.91m
GEOLOGY	Magnetite & Clay 35.50m Highly fractured core Wide banded Magnetite & garnet skarn 57.62m 60.29m

GEOLOGY	Mt / Mt / T / NG / g
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	2 to 3% / Traces as specks very finely disseminated
% VISUAL SCHEELITE	0.5% / 1.0% / TRACE / TRACE
SCALE	

ASSAYS	% WO_3	SAMPLE WIDTH	TO :	FROM :	SAMPLE NUMBER
	4603	24	35.5	34.5	3388
	1400	0.5	36.0	35.5	3389
	6759	1.0	37.0	36.0	3390
	151	1.0	38.0	37.0	3391
	1248	2.0	40.0	38.0	3392
	82	1.0	41.0	40.0	3393
	38	1.2	42.30	41.0	3394
	<25	1.71	43.91	42.20	3395
	25	1.09	45.0	43.91	3396
	<25	1.0	46.0	45.0	3397
	<25	1.0	47.0	46.0	3398
	<25	1.0	48.0	47.0	3399
	<25	1.0	49.0	48.0	3400
	<25	1.0	50.0	49.0	3401

SCALE: 24 36 38 39 40 41 46 48 50 52 54 56 58 60 62 64 66

CORE RECOVERED	1.47 1.50 1.43 1.44 1.50 1.50 1.31 3.0 3.0 3.0 3.0 1.42 1.28 3.0 1.18
DRILLING INTERVAL	34.6 36.1 32.6 31.1 40.6 42.1 43.5 46.5 48.5 52.5 55.5 59.5 60.0 61.0 63.9 64.5 67.5 3.0

Length 127.50m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426067.7
Easting 397236.0
Elev. 488.8m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by D.F.D. Date 12/7/78
Location
Started 10/7/78 Finished 13/7/78
Started Finished

McINTYRE MINES (AUST) P/L.
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Hole No. DDH 210
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042

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

TRACE

TRACE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length	127.50m	Contractor	
Azimuth	090° UTM	Core	Stored
Dip at Collar	50°	Casing	
Northing	5426067.7	Logged by	D.F.D Date 15/7/78
Easting	397236.0	Location	
Elev.	488.8m		
O.B. Thickness		Started 10/7/78	Finished 13/7/78
B R Thickness		Started	Finished

McINTYRE MINES (AUST) P/L.
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043

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	~ geological boundary 100.45	Massive Magnetite Actinolite also contains ~ 10% carbonate as patchy veins
		Layered Magnetite Epidote Skarn Fine grained granular & Actinolite 1/1 garnet ~ 5% Epidote ~ 10% magnetite ~ 10%
	102.10	Quartz Epidote Rock. a strongly banding layered rock consisting of ~ 50% epidote, ~ 50% fine grained quartz, ~ 10% carbonate, and fine grained ~ 10% small grains of pyrite, and ~ 10% minor disseminated magnetite across on 1cm & 1cm scale bands ~ 20°.
	~ geological boundary 107.15	
	108.50	Fine Ag ground Aprite (continued)
		END OF HOLE 127.50m

MINERAL																								
STRUCTURE																								
COLOUR & COLOUR CODE																								
U.V. RESPONSE % SCHEELITE																								
% VISUAL SCHEELITE	No Visible Scheelite																							
SCALE	102	104	106	108	110	112	114	116	118	120	122	124	126	128										
ASSAYS																								
% W																								
SAMPLE WIDTH																								
TO :																								
FROM :																								
SAMPLE NUMBER																								
SCALE	102	104	106	108	110	112	114	116	118	120	122	124	126	128										
% CORE RECOVERED																								
DRILLING INTERVAL	102.1	106.2	107.5	109.5	113.5	125.5	119.5	121.5	122.9	124.5	126.2	127.5												

Length 127.50 Contractor

Azimuth 090° UTM Core Stored

Dip at Collar 50° Casing

Northing 5426067.7 Logged by D.F.D. Date 15/7/98

Easting 397236.0 Location

Elev. 488.80

O.B. Thickness Started 10/7/98 Finished 13/7/98

B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.
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Hole No. DDH210

Project HARA

Area Western Contact

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041

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
	0	50°	–	No visible mineralisation	SLATY SILTSTONE – medium to fine grained interbedded sulphidic, carbonaceous, sandy, to clayey units; laminated, fair to good cleavage, local fracture parallel quartz veining (?). From 12 - 18.1m a fine grained, dark grey, sulphidic, carbonaceous CLAY-SILT unit. Slumping and contortion of laminae 12m, 17m (?) and 25m (?). Bedding 70°. Unit has a soft, smooth, clayey texture.
	22.6	50°	529E		
	40.6	49°	S46E		
	60.0	48½°	N40E		
	80.0	48½°	N81W		
	100.0	48½°	N47E		
				No visible mineralisation	18.1m CLAY or ERODITE ROCK – Good to rich clay, dry, white to cream, may exist as a fine grained, soft, slightly unconsolidated, to very plastic and weathered granite. Rock mostly an original granite with minor amounts of clay. Abrupt weathering contact of no significant oxidation.
					30.50m CARBONATE-EPIDOTE-GARNET SKARN A fine grained carbonate rock, 20-30% epidote, 5-10% locally 20% grossular garnet. Massive carbonate to 32.30m, trace chalcopyrite.
					0.30-0.33m fine grained, massive, schistose throughout, locally 1% or 5-10 cm.

5 cm

| | | | | |

045

183046

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				0.4-0.5% coarse-banded scheelite in hornfelsed siltstone, without dolomite amalgamation, as patches and grains to 1-2 mm. Fine-grained scheelite also disseminated throughout.	Marginal zone of skarn, 10-15% to 35.7-38.2 metres, actinolite. Trace to 5% diopside, pink calcite to 37.0 m with abundant coarse calcite to 5 mm. Rare tremolite throughout.
				Trace to 0.2% scheelite, unmarked throughout. Blue fluorescent mineral, calcite, sphalerite, scheelite bands in places. 3% on lamina: 45.0-46.5, 49.0-52.0 + 1% from 43-45 and 46.5-49.0.	MAGNETITE CALCAREOUS SKARN Strongly banded ~~magnetite~~ skarn, 70% red pinkish-grey calcite with minor ~~magnetite~~ and ~~garnet~~ 2% blue fluorescent mineral - ~~scheelite~~, calcite, sphalerite, ~~magnetite~~ in places. Trace of epidote. Hornfelsed ~~siltstone~~.
				Trace fine scheelite	GARNET CARBONATE SKARN Garnet-rich skarn 50-60% ~~garnet~~, 10 to 20cm 100%. Abundant coarse ~~calcite~~, 20% ~~magnetite~~. Trace sphalerite, galena in the ~~marble~~. Patches ~~of~~
					64.0 m MAGNETITE GARNET SKARN 60% magnetite, 30% ~~garnet~~, 10% ~~calcite~~.

GEOLOGY: T | mt | g | mt

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: 0.2 0.3 | 0.3 0.4 | 0.4 0.5

% VISUAL SCHEELITE: 0.2 | 0.3 | 0.4 0.5 | Tr | Tr | Tr

SCALE 1:200: 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66

ASSAYS

SAMPLE NUMBER	FROM :	TO :	SAMPLE WIDTH	% WO3	ppm Sn	ppm Pb	ppm Bi	ppm Mo
21421	34.0	35.0	1.0	0.02	1100			
21422	35.0	36.0	1.0	0.02	240			
21423	36.0	37.0	1.0	0.01	290			
21424	37.0	38.0	1.0	0.01	450			
21425	38.0	39.0	1.0	0.01	890			
21426	39.0	40.0	1.0	0.05	1520			
21427	40.0	40.5	0.5	0.02	800			
21428	40.5	41.0	0.5	0.02	460			
21429	41.0	42.0	1.0	0.14	490			
21430	42.0	43.0	1.0	0.01	560			
21431	43.0	44.0	1.0	0.04	1830			
21432	44.0	45.0	1.0	0.01	370			
21433	45.0	45.5	0.5					
21434	45.5	46.0	0.5		360			
21435	46.0	47.0	1.0		330			
21436	47.0	48.0	1.0		350			
21437	48.0	49.0	1.0		570			
21438	49.0	50.0	1.0		520			
21439	50.0	51.0	1.0		450			
21440	51.0	52.0	1.0		350			
21441	52.0	53.0	1.0					
21442	53.0	54.0	1.0					
21443	54.0	55.0	1.0					
21444	55.0	55.8	0.8					

SCALE

CORE RECOVERED: 1.2 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.2 | 0.6 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0

DRILLING INTERVAL: 34.6 | 37.6 | 40.6 | 43.6 | 46.6 | 49.6 | 52.8 | 55.6 | 58.6 | 61.6 | 64.6 | 67.6

Length 127.60 m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426106.0
Easting 577237.2
Elev. 484.1 m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C.Walsh Date 21 July 1978
Location
Started 14 July 1978 Finished 17 July 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 211
Project KARA
Area Western contact
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046

183047

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	Trace very fine scheelite in qtz veins	Volcaniclastic with bands of tuff. Epidotal zone 84 to 86 & 88 to 90 m. 5% qtz veins parallel to foliation/banding. Foliation 70° locally 90°. 73.50
	No visible mineralization	MAGNETITE EPIDOTE SKARN +70% magnetite, mostly fine grained, with coarse patches of epidote. Remainder 20% qtz veins parallel to foliation. calcite 75% throughout, 10% fine grained. 97-97.5m Fault zone unconsolidated. Coarse magnetite has fine overgrowth of epidote, bad recovery 2% in narrow zones, Parallel foliation 94-98m and 100-104.7m Foliation/banding strongly developed 60-70°

| | | |

183048

047

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE / : 200

ASSAYS

% WO_3

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length 127·60m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426106·0
Easting 397287·2
Elev. 484·1m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G·C·Wolff Date 22 July 1978
Location
Started 14 July 1978 Finished 17 July 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH211
Project KARA
Area Western Contact
Page 4 of 4

048

183049

5 cm

SURVEY	Depth	Dip	Azimuth
	0 m	45°	45°
	81 m		

GEOLOGY

Epidote magnetite skarn

Very strongly weathered [illegible] clay/goethite [illegible] relict magnetite, trace [illegible] Possibly 60% magnetite [illegible] original rock.

Core very broken [illegible] 9m, mostly [illegible] solid [illegible] magnetite [illegible] [illegible] 30-[illegible]

22.0 m

Epidote magnetite garnet [illegible]

[illegible] 60% rock with [illegible] goethite [illegible] although [illegible] magnetite [illegible] in places [illegible] garnet [illegible] weakly [illegible] 30-[illegible]

33.0 m

MINERALISATION

No [illegible] mineralization.

Note: Recovery not measured [illegible] core highly fragmented. [illegible] 75% ??

No [illegible] mineralization.

GEOLOGY	N	30°	N	
MINERAL				
STRUCTURE				
COLOUR & COLOUR CODE	Greyish brown 5YR3/2 to Black N2	Greyish red 10R3/2 to moderate brown 5YR3/4 to Dusky brown 5YR2/2. Banded DK. Yell brn. 10YR6/6 to Black N2	Lt. olive brown 5Y5/6 to DK. Yell orange 10YR6/6. Banded Black N3	[illegible] 10YR 6/6, shaly more oxidized.
U.V. RESPONSE % SCHEELITE				
% VISUAL SCHEELITE				
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32			
ASSAYS				
% WO_3				
SAMPLE WIDTH				
TO :				
FROM :				
SAMPLE NUMBER				
SCALE				
CORE RECOVERED	0.5	1.05	1.40	1.35
DRILLING INTERVAL	1.5	2.3	3.4	3.9

Length	81.90 m	Contractor	
Azimuth	270° UTM	Core	Stored
Dip at Collar	45°	Casing	
Northing	5426148.1	Logged by G.C. Wolff	Date 27 July 1978
Easting	397277.7	Location	
Elev.	480.1 m		
O.B. Thickness		Started 23 July 1978	Finished 26 July 1978
B R Thickness		Started	Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH212
Project KARA
Area Western Contact
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5 cm

SURVEY											
	Depth										
	Dip										
	Azimuth										

MINERALISATION

Base bar finely disseminated scheelite, unmeasured, to 39.5m.

0.1% unmeasured scheelite in crystals and blebs to 2mm 39.5-40.5m

Unoxidized scheelite throughout 41.6-42.5, 1% in blebs to 10cm, also 45.7-46.1m, small crystals to 5mm Low grade zones have few crystals to 1mm, sparse fine dissemination

48.3-48.5 (47 coarse scheelite to 3

Very coarse scheelite to 3cm, unmeasured Numerous crystals to 5mm, wisps scheelite along foliation. 52.7-53.0m numerous crystals to 4-5mm to 10% of core.

Finely disseminated scheelite, few crystals to 3mm

Trace fine scheelite, rare crystal to 2mm.

Trace very fine scheelite in Q/V

Wisps, small crystals scheelite to 2mm

Fair/large finely disseminated scheelite

GEOLOGY

EPIDOTE MAGNETITE GARNET

50% partly weathered magnetite, 40% Epidote, 5% actinolite and 5% garnet. Foliation 30°

40-50m

MAGNETITE GARNET ACTINOLITE EPIDOTE ROCK

+70% magnetite, 20% grossular garnet, 5% epidote and actinolite No weathering.

core roughly foliated 30°.

Trace disperse, vein fluorescent calcite in Q/V

46.3m

GARNET MAGNETITE ACTINOLITE EPIDOTE ROCK

Magnetite 40%, grossular garnet and Epidote/actinolite 5-10%.

52.7-53.0 50% magnetite, 10% garnet.

Foliated 30-40°.

Fine red fluorescent calcite throughout garnet rich zones.

59.0m

EPIDOTE ACTINOLITE QUARTZITE

Very fine grained quartzite, 30% grossular/andradite garnet to 60° (ratio 3:1).

Becomes actinolite rich, to 25%, strongly foliated 20-25°, fine Q to end.

SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % WO3	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
	21573	34.0	35.0	1.0		Tr	Tr				40
	21574	35.0	36.0	1.0							
	21575	36.0	37.0	1.0							
	21576	37.0	38.0	1.0							
	21577	38.0	39.0	1.0							
	21578	39.0	39.5	0.5				30.5			
	21579	39.5	40.5	1.0		0.2	0.2				
	21580	40.5	41.6	1.1		0.1	0.2	41.6			
	21581	41.6	42.5	0.9		0.7	1.0	48.5			
	21582	42.5	43.5	1.0							
	21583	43.5	44.5	1.0		0.1	0.1				
	21584	44.5	45.7	1.2		0.5	0.7	45.7			
	21585	45.7	46.1	0.4		Tr	Tr	46.1			
	21586	46.1	46.7	0.6		0.3	0.5	46.7			
	21587	46.7	47.1	0.4				47.1			
	21588	47.1	48.3	1.2		0.2	0.2	48.3			
	21589	48.3	48.5	0.2		Tr	Tr				
	21590	48.5	49.3	0.8		0.3	0.5	49.3			
	21591	49.3	50.3	1.0							
	21592	50.3	51.3	1.0		1.0	1.0				
	21593	51.3	52.3	1.0							
	21594	52.3	52.7	0.4		0.5	0.5	52.7			
	21595	52.7	53.0	0.3				53.0			
	21596	53.0	54.0	1.0							
	21597	54.0	55.0	1.0		0.3	0.3				
	21598	55.0	55.5	0.5				56.3			
	21599	55.5	56.3	0.8							
	21600	56.3	57.0	0.7							
	21601	57.0	58.0	1.0		Tr	Tr				30
	21602	58.0	59.0	1.0							
	21603	59.0	60.0	1.0		Tr	Tr				
	21604	60.0	61.0	1.0							
	21605	61.0	61.8	0.8				61.8			
	21606	61.8	63.0	1.2		0.2	0.2	63.2			
	21607	63.0	64.0	1.0							
						Tr	Tr				

DRILLING INTERVAL	CORE RECOVERED
36.0	1.3
36.1	0.45
37.6	0.9
38.1	0.75
39.0	0.5
40.5	1.5
42.0	1.5
43.5	1.5
44.8	3.0
49.5	3.6
53.0	1.5
53.5	0.45
55.5	3.8
59.2	2.70
60.4	1.25
61.8	1.35
64.5	2.9
EOH	3.0

Length 64.92m Contractor
Azimuth 270° UTM Core Size
Dip at Collar 45° Casing
Northing 5426148.1 Logged by G.C. Wolff Date 27 July 1978
Easting 327277.7 Location
Elev. 480.1m
O.B. Thickness Started 23 July 1978
B R Thickness Started
Finished 26 July 1978 Stored
Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH212
Project Hara
Area Western Contract

030

5 cm

| | | |

051

5 cm

GEOLOGY	GRANITE – no core recovery. Slurry, medium to coarse grained granite, totally weathered to a fraction along with angular quartz	8.80m	SILTY SANDSTONE – a [illegible] tufaceous grained "dusky" [illegible] high clay fraction. Strongly weathered to a [illegible] along with 13.5m, a loose [illegible] clayey sandstone with [illegible] [illegible] to 24m. Bedded strongly 40-45°, jointed 30-45°. Numerous Fe/Mn stained [illegible] slickensided shear [illegible]
MINERALISATION			No visible mineralisation
SURVEY: Depth	0	111m	
SURVEY: Dip	50°	50°	
SURVEY: Azimuth	–	–	
GEOLOGY			
MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE			Yellowish grey 5Y7/2 to dusky yellow 5Y6/4 banded pale olive 10Y6/2
U.V. RESPONSE % SCHEELITE			
% VISUAL SCHEELITE			
SCALE 1:200	0 2 4 6 8	10 12 14 16 18 20 22 24	26 28 30 32 34
ASSAYS			
% WO_3			
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
% CORE RECOVERED			0.75 0.6 1.25 1.5 1.5 1.7 0.7 0.75 1.05 0.9 1.50 1.50 0.55 0.75 0.75 0.75 0.75 0.75 1.05 0.75 1.00 0.35 1.50 0.60
DRILLING INTERVAL			6.50 9.0 11.0 12.0 13.5 15.0 16.5 17.3 18.3 19.7 20.7 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0

Length 112.20m
Azimuth 090° UTM
Dip at Collar 50°
Northing 5426019.0
Easting 397234.0
Elev. 497.10m
O.B. Thickness
B R Thickness

Contractor
Core
Stored
Casing
Logged by G.C. Wolff
Date 24 July 1978
Location
Started 17 July 1978
Finished 22 July 1978
Started
Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 213
Project KARA
Area Western Contact
Page 1 of 4

052

5 cm

| | | |

5 cm

SURVEY											
Depth											
Dip											
Azimuth											

MINERALISATION

Bare trace fine scheelite throughout to 1 mm

Unweathered scheelite throughout mostly crystals less than 2 mm, but a few to 2-3 mm particularly from 80 – 82.5m and 83-85m.

coarse unweathered scheelite to 1.5 cm, mostly 3-8 mm No obvious mineralisation

coarse scheelite to 5 mm, no veining

Fine scheelite to 3 mm, mostly 1-3 mm and fine.

GEOLOGY

Leached zone 69-69.15m with calcite hornfels gradual increase in garnet from 71.0m to 1-2% at 73.50m

slightly weathered to 72m with partially replacing magnetite throughout

76.50m

MAGNETITE GARNET SKARN

Strongly banded/foliated ... garnet (40%) rock ... epidote ... massive garnet, 15m at ... 80-82.5m with actinolite ... 80% replacement at 82.50m ... throughout

82.50m

MAGNETITE ACTINOLITE SKARN

very fine grained magnetite ... 30% fine actinolite/epidote, trace 5% diopside Strongly foliated Trace to 5% (mostly) garnet veins very coarse grained magnetite to 5 mm, blebs of actinolite/epidote to 1.5 cm 10% diopside, trace garnet/calcite, increasing down hole Trace calcite as veinlets and blebs/crystals to 2 mm

10.50m

SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % WO3	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
	21480	68.0	69.0	1.0		68						
	21481	69.0	70.0	1.0		70						
	21482	70.0	71.0	1.0								P1
	21483	71.0	72.0	1.0		72	Tr	Tr				
	21484	72.0	73.0	1.0								
	21485	73.0	74.0	1.0		74						
	21486	74.0	75.0	1.0								
	21487	75.0	76.0	1.0		76						
	21488	76.0	77.0	1.0			Tr	Tr				
	21489	77.0	78.0	1.0		78						
	21490	78.0	79.0	1.0			0.2	0.2				
	21491	79.0	80.0	1.0		80						
	21492	80.0	81.0	1.0			0.4	0.4				M4
	21493	81.0	82.0	1.0		82						
	21494	82.0	82.5	0.5								
	21495	82.5	83.5	1.0								
	21496	83.5	84.5	1.0		84	Tr	Tr				
	21497	84.5	85.5	1.0								
	21498	85.5	86.5	1.0		86						
	21499	86.5	87.5	1.0			0.3	0.4				
	21500	87.5	88.5	1.0		88						
	21551	88.5	89.5	1.0								
	21552	89.5	90.5	1.0		90	1.5	2.0				
	21553	90.5	91.5	1.0								
	21554	91.5	92.5	1.0		92			92.5			
	21555	92.5	93.5	1.0								M-Tx
	21556	93.5	94.5	1.0		94	1.0	1.5				
	21557	94.5	95.5	1.0								
	21558	95.5	96.3	0.8		96			96.3			
	21559	96.3	97.3	1.0								
	21560	97.3	98.3	1.0		98						
	21561	98.3	99.3	1.0			1.0	1.0				
	21562	99.3	100.3	1.0		100						
	21563	100.3	101.3	1.0								
	21564	101.3	102.3	1.0								

DRILLING INTERVAL	CORE RECOVERED
70.5	3.0
73.5	3.0
76.5	3.0
79.5	3.0
82.5	3.0
85.5	3.0
88.5	3.0
91.5	3.0
94.5	3.0
97.5	3.0
100.5	3.0

Length _____ Contractor _____
Azimuth _____ Core _____ Stored _____
Dip at Collar _____ Casing _____
Northing _____ Logged by _____ Date _____
Easting _____ Location _____
Elev. _____
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 75
Project _____
Area _____

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054

183055

5 cm

| | | |

055

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
				Possible.	Clay. Epidote & garnet rich skarn one band quartz rich Fe-Tm lenses hardy Mengeon minor magnetite grade strengthen
				Very little base only. Trace very fine ~ 0.1 g. Still fine Usual VISIBLE Epidote vein tungsten ~ 1-2mm. Weak disseminated Sch. Weak Some very high grade mpd	Lenses of pyroxene skarn Mingeon like Skarn Coarse crystalline magnetite (2mm-5cm) locally banded with diopside epidote adcarn, Actinolite as apparent alteration as lenses of vein. Bands of Sch. Allows ~ 80% magnetite 10% silicates 5-10% pyrite minor calcite garnets & actinolite. Little to No evidence of vein. Epidote dolerite very fresh
				Result of very coarse skarn	
				Relatively well distributed as fine specks, occasional area of increase to ~ 0.5% very well defined under UV at 23m.	
				Nil	Light Green Garnet Epidote Rock Has bands ~ 50% pyroxene skarn 10-20% garnets
				Nil.	Light Mix Medium grained Granite Streaked with magnetite & Epidote also veining quartz calcite

End of hole.

GEOLOGY	C g
MINERAL	
STRUCTURE	45° 55 50 55 65 65 46
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	N/A 10 Tr 0.2 0.4 0.6 0.8 1.0 0.2 0.4 3.0 3.0 1.0 0.4 1.0 0.6 0
% VISUAL SCHEELITE	Abnd Vis. Abnd Abnd 0.1 0.1 0.2 0.2 0.2 0.2 1/2 1/2
SCALE	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
% CORE RECOVERED	Nom. 1.0 6.03 2.0 0.238 2.5 0.30 3.1 0.57 3.7 0.86 4.15 0.61 5.5 0.78 6.03 0.95 6.7 0.86 7.4 0.33 7.8 0.38 8.5 0.38 9.1 0.95 9.8 0.30 10.56 0.41 11.8 0.44 12.7 0.33 13.1 0.30 14.1 1.80 15.7 1.5m 17.3 1.5m 19.25 0.95 19.65 0.4 20.05 1.50 20.5 0.45 22.0 1.5 23.5 1.5 25.0 1.5 26.5 1.5 28.0 1.5 29.5 1.35 30.28 0.9 31.6 1.30 32.5 0.9 34.0 1.5
DRILLING INTERVAL	1.0 1.9 2.0 2.5 3.1 3.7 4.15 5.5 6.03 6.7 7.4 7.8 8.5 9.1 9.8 10.56 11.8 12.7 13.1 14.1 15.7 17.3 19.25 19.65 20.05 20.5 22.0 23.5 25.0 26.5 28.0 29.5 30.28 31.6 32.5 34.0

Length 34 m
Azimuth 090 UTM
Dip at Collar 45°
Northing 5928·7
Easting 7406·9
Elev. 480.6
O.B. Thickness ____ Started ____ Finished ____
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by ____ Date ____
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. 214
Project ____
Area ____
Page 1 of 1

U56

5 cm

SURVEY		MINERALISATION	GEOLOGY
	Depth	0	34
	Dip	45°	45°
	Azimuth	—	—
C		no visible mineralization	CLAY — fine fragments weathered magnetite, trace garnet.
TM		Bare trace fine grain scheelite in U/V	3.40m GARNET MAGNETITE SKARN — a clay-rich rock, grass-green, strongly weathered, magnetite-scheelite 20% trace weathered epidote. 6.50m
mg		Bare trace fine grain scheelite.	MAGNETITE GARNET SKARN A strongly fractured, highly weathered garnet-magnetite, rock, some clay. Core strongly weathered with magnetite garnet veining harder garnet. Possibly 40-50% original magnetite. Strong foliation 40° in fine fragments 12.6
Mt		coarse grain scheelite @ 5-8m 0.2% fine grain scheelite @ 1-2mm coarse bunch scheelite @ 2.5m 0.2% fine grain scheelite @ 1-2mm Few Garnet bands @ 3m Fine grain scheelite @ 2m. Rare crystals to 3.0m Dark fine scheelite 1-2mm thin bands and crystals @ 6m No weathering. Fine grain scheelite @ 2m Rare large scheelite in U/V on joint planes.	MAGNETITE GARNET ACTINOLITE SKARN Strongly banded unweathered magnetite 60%, grossular garnet 35%, 5% fine acicular plate and epidote. Generally garnet-rich - to 45% from 13.0 - 16.0m 0.20m granitized skarn 25.3-25.5m Magnetite commonly on foliation thinning out, fine finer, coarser bands zones with 2% very fine sulphide? Foliation / banding strong, 40°-45° 26.00m APLITIC GRANITE very fine grained pale pink granite, some 10% 3-5mm K-spar phenocrysts, strongly fractured 45°-60° 28.00m END OF HOLE
Gr			
MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE		OR Yellow orange 10YR6/6	olive grey 5Y3/2 to dusky brown 5YR2/2 to pale brown 5YR5/2. mottled lt. yellow orange 10YR6/6
U.V. RESPONSE % SCHEELITE		Tr	12.60 13.20 2.0 · 0.2 · 16.15 16.80 0.0 · 0.3 · 21.00 · 0.9 · 23.80 25.2 1.6 · 25.8 0.4 · 28.0 Tr
% VISUAL SCHEELITE		Tr	12.8 3.0 0.1 · 0.1 · 0.1 · 0.3 · 1.3 · 0.2 · Nil
SCALE 1:250		0 2 4 6 8 10 12 14 16 18 20 22 24 26 28	
ASSAYS			
	% W		
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
% CORE RECOVERED (m)		See attached log	12.61 13.20 0.45 · 14.65 1.60 · 16.35 1.50 · 17.95 1.60 · 18.95 1.50 · 21.00 1.52 · 23.50 1.50 · 24.00 1.50 · 25.50 1.50 · 27.00 1.45 · 28.00 1.00
DRILLING INTERVAL			

Length 28.00m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5926.6.
Easting 7434.3
Elev. 421.6
O.B. Thickness ____ Started ____ Finished ____
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 19 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH215
Project KARA
Area OPEN PIT
Page 1 of 1

057

183058

5 cm

SURVEY	Depth	Dip	Azimuth
	0m	45°	
	30m	45°	

GEOLOGY

This hole consists of bands of ~ 0.2m width of Garnet rich skarn.

This skarn is a granular calcic [illegible] 50% [illegible] garnet, minor [illegible] magnetite, 1-2% to 40% epidote and [illegible] specs to 4% fine to white of white [illegible] = 2.8 g/cc some free quartz ~ 5%

Essentially a homogeneous Magnetite rich

Magnetite Skarn

crudely banded with garnet [illegible] ~ 0.2m [illegible] skarn [illegible] ~ 50% magnetite [illegible] bands & [illegible] ~ 3m giving a coarse banding & [illegible] [illegible] up to 10% grossular zones as bands with disaside & sometimes epidote & actinolite. Overall ~ 5% actinolite giving a dark greenish tinge to the magnetite. Up to 10% disaside & [illegible] as seperate bands however ~ 2.1.5 to 22.7m a band of skarn [illegible] disaside & [illegible] skarn. Some fine grained [illegible] 1-2% silting cavities & vugs

Some grey red calcite ~ 5% [illegible] stain bands.

Sporadic Kani Area Quartz-Epidote rock ~ 40% epidote 40% quartz & ~ 20% garnet

Very fine grained Siliceous Pink Rock ~ 40% pink Alkfers 5% pale [illegible] 5% [illegible] very fine grained

END OF HOLE

MINERALISATION

None to very fine trace

560m

Trace as fine xtals < 0.05mm

Vis usually only under UV

12.05m Very fine, occasional large veinlet [illegible]

13.1m

150m

17m Various rich vein ~ 5cm

18m

19.25

19.5

20.0

Disseminated & veinlets +2mm xtals.

23.8 Very high grade Vein

24.2 Note: scheelite unevenly distributed throughout

26.2

27.0

| | | |

058

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing 5925.7 Logged by _____ Date _____

Easting ~~755.2~~ 7455.2 Location _____

Elev. ~~485.2~~ _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

059

5 cm

SURVEY	Depth	Dip	Azimuth
	0	45°	
	33 m	45°	

MINERALISATION

No visible mineralization.

Rare trace yellow fluorescent scheelite, no apparent weathering.

Unevenly developed scheelite fluorescence as noted opposite. Fluorescence yellow in rock, scheelite blue in fine material. Very coarse 17.0 - 19.0 m as bleb and crystals to 8 mm, fine grained & base and below to 3-4 mm.

Trace very faint blue fluorescent scheelite, to 2 mm.

Rare trace of fine yellow fluorescent scheelite on joint and fracture planes.

GEOLOGY

CLAY - fragments of mainly fine sandstone
Fill for road construction
3.0 m

GARNET MAGNETITE EPIDOTE SKARN
weathered grossular-garnet with magnetite 50%, partly weathered to epidote/clinozoisite. Epidote 25%, largely weathered to clay. Overall weathering 60%. Weak foliation, 60°.

11.60 m

MAGNETITE ARMOURITE GARNET SKARN
Magnetite + 70%, grossular garnet up to 3 cm/crystal, average 30%, 10% pyroxene and epidote, 15% quartz, strongly banded.
Slight weathering to 13.0 m. Coarse planes.
Foliation strong, from 50° to 70°, [illegible]
Ground a coarse grained, open [illegible] magnetite well crystalline, garnet [illegible] schistose. Weak to [illegible]

24.50 m

MAGNETITE GARNET SKARN - very fine grained, [illegible], strongly banded and contorted, banded foliation, 20° but from 10° to 40°, [illegible] and-magnetite, epidote + [illegible] 27.05 m

BIOTITE GRANITE coarse grained, Porphyritic Hornblende, very hard and dense, strongly fractured and slightly chloritised, feldspar partly epidotised

END OF HOLE 32.90 m

| | | |

DDH

5 cm

GEOLOGY

Depth / Dip / Azimuth

SURVEY

MINERALISATION

Small specks of Fresh Scheelite in the chlorite/magnetite rich skarn bands

2.8m

Small specks of fresh scheelite

minor fine grain well disseminated very fresh

11.5m
12.0

some patches of xtals up to 1cm in fresh yellowy white flour - existing

12.5

19m

21
23.0

Small vein of very high grade +10B.

Blue small specks + DUB mostly well disseminated n 0.2%

31.8m

Rough banded Magnetite - Skarn

Bands of coarse dark brown garnet-diopside & minor garnet-diopside & minor garnet-diopside & minor

190

183062

5 cm

GEOLOGY	Granite. Chlorite, siliceous & hornblende with magnetite & epidote to 2.5m. Pink, however, epidotised slightly to 40.2m. END OF HOLE 40.2m.
MINERALISATION	38.5m. 40.2m.
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	80-85°
MINERAL	
STRUCTURE	40° 45°
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE	34 36 37 40
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	34 36 37 40
% CORE RECOVERED	1.5 0.6 1.05 1.29 1.5 0.2
DRILLING INTERVAL	35.5 36.1 37.2 38.5 40.0

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. 219

Project _____

Area _____

Page 2 of 2

062

5 cm

| SURVEY | | |

5 cm

Depth	Dip	Azimuth	SURVEY	GEOLOGY	MINERALISATION
				MAGNETITE GARNET SKARN 60% magnetite, fine grained 30% pyroxene 10% Epidote with a trace of Scapolite 2-3% Actinolite Foliation 30° rel 35° Abs 43°/100° Jointing/shear plane 330° Lineation / NO significant weathering. 40.80m	0.1% fine scheelite in U/V
				GARNET MAGNETITE SKARN A dense ground rock, 20% fine magnetite with minor actinolite. Pervasive weak pyroxene, 2% amphibole calcite, trace diopside. Foliation strong, 40°. 46.60m	coarse unweathered scheelite. 38.0 - 39.8 0.7% as blebs and crystals to 10mm, mostly 3-6mm
				MAGNETITE ACTINOLITE SKARN Fine grained magnetite 70%, actinolite 25% 10% epidote and pyroxene 5%. 48.10m - and foliation 50°. BIOTITE GRANITE coarse grained, Porphyritic, strongly equigranular texture. Strong jointing 30° and 45° 51.30m END OF HOLE	Trace scheelite in U/V 0.3% unweathered scheelite to 3mm Rare trace fine scheelite to 1-2mm. Rare trace scheelite in U/V Rare trace scheelite in U/V

| | | | |

064

18346N

5 cm

SURVEY	Depth	Dip	Azimuth
	0'	45°	—
	53'	47°	

GEOLOGY

CLAY OVER BURDEN - clay, grey, soft, moist, pastel up to dull oak 20m

MAGNETITE - banded to massive, 50% weathered & granular, weak foliation 70°. 3.50m

GOETHITE-RICH CLAY - a stiff clay, 50% finely divided goethite, remnant magnetite 5.20m

GARNET MAGNETITE SKARN - garnet-rich clay, minor epidote, rare quartz, weak foliation 70°. 11.70m

GARNET EPIDOTE SKARN - a clay with 50% weathered granular garnet, relict epidote, bone trace wallrock, remnant magnetite, no visible sulphide - weak foliation 40°. 16.30m

EPIDOTE MAGNETITE SKARN

A partial clay with relict epidote and magnetite to 25m abundant fine garnet to 3.5mm, rare larger blebs, possibly 30%.

25 - 34.20 a weathered epidote / clay rock, 30-40% weathered magnetite as blebs and crystals to 7mm. Core very granular and friable from 30m - low clay, epidote partly weathered

Weak foliation 40-60°.

Relict epidote veinlets, replaced by goethite, thought to be assembly 2-3%. Trace fine weathered pyrrhotite grains.

34.20m

MINERALISATION

No visible mineralization

No visible mineralization

No visible mineralization

No visible mineralization

No visible mineralization

GEOLOGY	C, M, C, Tmg, Tmg, T, Tm
MINERAL	
STRUCTURE	70°, 70°
COLOUR & COLOUR CODE	Moderate brown 6YR3/4 to dusky brown 5YR2/2, mottled dark yellow. orange 10YR6/6 | Mod. yellow. brown 10YR5/4 to lt dk. yellow. orange 10YR6/6 | Mod. yellow. brown 10YR5/4 to mod. green. yellow 10YT/4 to greyish orange 10YR7/4. | As before. A mottled rock without defined colour gradation.
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

ASSAYS	% W

SAMPLE WIDTH	TO :	FROM :	SAMPLE NUMBER	SCALE	CORE RECOVERED	DRILLING INTERVAL
1.0	3.0	2.0	21701		NIL	2.00
1.0	4.0	3.0	21702		0.90	3.00
1.0	5.0	4.0	21703		0.30	3.60
1.0	6.0	5.0	21704		0.45	4.20
1.0	7.0	6.0	21705		0.70	5.10
1.0	8.0	7.0	21706		0.90	6.00
1.0	9.0	8.0	21707		0.80	6.80
1.0	10.0	9.0	21708		0.85	7.65
1.0	11.0	10.0	21709		1.00	8.65
1.0	12.0	11.0	21710		0.90	9.55
1.0	13.0	12.0	21711		0.80	10.35
1.0	14.0	13.0	21712		1.10	11.45
1.0	15.0	14.0	21713		1.10	12.55
1.0	16.0	15.0	21714		0.60	13.15
1.0	17.0	16.0	21715		0.70	13.85
1.0	18.0	17.0	21716		0.40	14.25
1.3	19.3	18.0	21717		0.35	14.60
			No Core recovered.		NIL	15.60
4.7	24.0	20.0			NIL	17.30
					NIL	19.10
					NIL	20.40
					NIL	21.00
					NIL	21.90
					NIL	22.50
					NIL	23.40
					0.15	23.55
					NIL	24.15
					NIL	24.30
1.6	25.6	24.0	21718		0.50	24.80
			No Core recovered		0.40	25.20
					NIL	25.80
					NIL	26.40
					NIL	27.00
1.4	27.0	25.6			0.20	27.20
1.3	28.3	27.0	21719		0.55	27.75
					0.35	28.10
1.7	30.0	28.3	21720		1.00	29.10
			No Core recovered		NIL	29.40
1.3	31.3	30.0			NIL	29.70
					NIL	30.00
					NIL	30.30
1.1	32.4	31.3	21721		0.50	30.80
0.6	33.0	32.4	21722		0.45	31.25
					0.50	31.75
1.0	34.0	33.0	21723		0.80	32.55
					0.80	33.35

Length 53.60m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5425984.70
Easting 397348.20
Elev. 489.2±
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by E.C. WOLFE Date 8 August 1978
Location
Started 3 August 1978 Finished 6 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 221
Project KARA
Area Kara NO1
Page 1 of 2

065

5 cm

SURVEY									
Depth									
Dip									
Azimuth									

DRILLING INTERVAL	CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
34.20	0.65							34						g
34.80	0.60		21724	34.0	35.0	1.0			NIL	NIL	Pale olive 10Y6/2 to Pt olive brown 5Y5/6			
35.70	0.90		21725	35.0	36.0	1.0		36						Mt
36.00	0.30		21726	36.0	37.0	1.0			NIL	NIL				70°
37.50	1.50		21727	37.0	38.0	1.0		38						g
			21728	38.0	39.0	1.0			NIL	NIL				65°
39.00	1.35		21729	39.0	40.0	1.0		40						
40.50	1.45		21730	40.0	41.0	1.0						60°		
42.00	1.50		21731	41.0	42.0	1.0		42	NIL	NIL	Black N1 to Darkgray N3			
42.50	0.45		21732	42.0	43.0	1.0								
43.80	1.30		21733	43.0	44.0	1.0		44			44.30	60°		m
45.00	1.35		21734	44.0	45.0	1.0								
			21735	45.0	46.0	1.0		46				30°		
46.50	1.40		21736	46.0	47.0	1.0						70°		
48.00	1.47		21737	47.0	48.0	1.0		48	Tr	0.2				45°
			21738	48.0	49.0	1.0								
49.50	1.30		21739	49.0	50.0	1.0		50						Gr
51.00	1.30											45°		
51.80	0.80							52	NIL	NIL		30°		
53.20	1.40													
53.60	0.40							54						

MINERALISATION

No visible mineralization

No visible mineralization

No visible mineralization

No visible mineralization.

44.30 – 49.50m
0.2% fine scheelite visible in U/V. No mineralization visible otherwise.
Trace honey coloured carsiterite at 42m, < 1mm

GEOLOGY

GARNET EPIDOTE SKARN – weathered grossularite, 30% clay/epidote, bare trace weathered magnetite. Weak foliation 30–40°
35.60m

GARNET MAGNETITE SKARN – 50% grossularite, 50% weathered magnetite, goethite and goethite clay.
37.40m

GARNETITE – friable, weathered grossularite, mmo epidote, trace goethite/magnetite
39.20m

MAGNETITE ACTINOLITE GARNET SKARN
80% unweathered magnetite, 10% fine interstitial actinolite, trace epidote. Banded grossular garnet 10% to 1cm bands.
Epidote increases down-hole from 43m over actinolite, epidote-magnetite-garnet skarn, broken and partly weathered from 49.0m
Possibly trace to 1% very fine diopside throughout.
Strong foliation/banding 60–70°
49.50m

APLITIC GRANITE very fine grained, dense aplite, strongly fractured, feldspar weakly epidotized

53.60m END OF HOLE

Length 53.60m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5426934.70
Easting 397348.20
Elev. 489.2±
O.B. Thickness
B R Thickness
Started 3 August 1978
Started
Contractor
Core
Casing
Logged by G.C. Wolff
Location
Stored
Date 8 August 1978
Finished 6 August 1978
Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 221
Project KARA
Area Kara No. 1

066

18306

5 cm

Depth	
Dip	
Azimuth	
SURVEY	3.25m; 9.00m; 15.00m; 16.60m; 28.20m; 29.30m
MINERALISATION	Bare trace of fine scheelite in V/V 0-7% fresh, unweathered scheelite, broken and fractured throughout. Mainly 1-3mm but numerous blebs of 5mm and coarser noting of fine crystals ~0% fresh, unweathered scheelite to 5mm, mainly in 1-3mm range. Rare narrow veinlets 1mm or less. Fracturing but mainly cutting across foliation - these veinlets are of scheelite infilled with fine scheelite Rare trace of finely disseminated scheelite to 1mm
GEOLOGY	NOT CORED - sludge gouge with clay, numerous weathered magnetite fragments, trace quartz, mainly andesitic rock and ash. 3.25m MAGNETITE SKARN, strongly weathered magnetite, fine grained, dark grey, mostly 0.2-0.5mm, clay filled fractures, 5-10% calc-silicate veins 0.5cm wide, 70° to core axis Grey calc-silicate banding 0.5-1cm and 10.5-10.7m, trace of pyrite fine grained throughout 16.60m GARNET MAGNETITE SKARN Roughly banded fine to 50cm grey to garnet 40%, 5-10% andradite vein. Lean 25% ap blebs to 2cm, mainly in bands 3cm, throughout as blebs to 1cm, banding at 10° to CA, increasing density from 10% to 30%, some diopside Fractured and broken throughout, moderate weathering on fracture planes 28.20m EPIDOTE QUARTZ SKARN, with veinlets of epidote rock, trace fine magnetite 29.30m - coarse garnet, end of hole, finished core GRANITE 29.30m END OF HOLE
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	Dusky brown 5YR2/2 to dusky yellowish brown 10YR2/2, mottled dark yellowish orange 10YR6/6
U.V. RESPONSE % SCHEELITE	N; 0.5 to 0.7; 0.4; N
% VISUAL SCHEELITE	NIL; 0.5 to 0.7; 0.2; Tr
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	NIL, NIL, 0.60, 0.95, 0.70, 1.25, 1.35, 1.15, 1.85, 1.90, 1.50, 1.25, 1.50, 1.50, 1.85, 1.50, 1.50, 1.50, 1.50, 1.50, 0.90
DRILLING INTERVAL	2.00, 0.26, 3.85, 5.10, 6.00, 7.50, 9.00, 10.50, 12.00, 13.50, 15.00, 16.85, 18.00, 19.50, 21.00, 23.50, 24.00, 27.00, 28.50, 29.30

Length 20.3m
Azimuth
Dip at Collar
Northing 5818.0
Easting 7425.3
Elev. 498.3
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by Date
Location
Started Finished
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No.
Project
Area
Page 1 of 1

067

183068

5 cm

Depth	
Dip	
Azimuth	
SURVEY	
MINERALISATION	Base trace of fine scheelite in O/V. NO VISIBLE MINERALISATION 15.20m 0.1% fine grain scheelite to 1 mm Rare crystals 1% 2mm 18.00m 0.5% fine scheelite to 1 cm blebs. Fine disseminated scheelite <1 mm throughout. 21.00m Base trace of very fine scheelite in C/V.
GEOLOGY	SOIL AND OVERBURDEN - clay, humus rich, numerous timber fragments. 2.00m GARNET-MAGNETITE-(Q-) SKARN Highly weathered clay-rich rock, dissemmated garnet/andr, bands & rock fragments. Relict magnetite, bands & rock fragments. Hallandite band 60cm at 5m Foliation 45° 7.30m MAGNETITE GARNET SKARN 40% magnetite, partly weathered 50% grossularite 10% [illegible] to 4% epidote-actinolite Foliation 50-75° 13.60m MAGNETITE GARNET ACTINOLITE SKARN Banded magnetite 60-70%, grossular garnet 20%, fine actinolite as coarse isolated crystals. Actinolite + 10% as blebs and radiating crystal aggregates. Trace of epidote throughout, particularly from 18m. Foliation/banding 70-75°. No weathering. 21.30m GARNET MAGNETITE SKARN banded, crenulated magnetite 50%, grossular, trace actinolite garnet 40%, turquoise 10%. Trace epidote. Foliation 30°, [illegible] 30° 26.25m EPIDOTE QUARTZ SKARN - crystalline epidote rock, 70% epidote, 30% interstitial quartz, actinolite, dark, 10% actinolite epidote from 29.07m 29.35m END OF HOLE
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	mod. yellow brown 10YR5/4 w d4. yellow orange 10YR6/6 | RK bufo. mottled dusky brown 5YR2/2
U.V. RESPONSE % SCHEELITE	Tr | 01 | 05 | Tr
% VISUAL SCHEELITE	NIL | Tr | 0.3 | Tr
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	NIL 0.80 1.50 1.00 1.50 0.00 0.10 0.75 0.80 0.60 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 0.80
DRILLING INTERVAL	2.00 3.00 4.50 6.00 7.50 9.00 10.60 12.00 13.50 15.00 16.50 18.00 19.50 21.00 22.50 24.00 25.50 27.00 28.50 29.35

Length 29.35m
Azimuth 000°
Dip at Collar -50°
Northing 5898.2
Easting 7405.1
Elev. 483.8
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

Contractor _____
Core _____ Stored _____
Casing _____
Logged by [illegible] Date [illegible]
Location _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project _____
Area _____
Page ____ of ____

060

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
				Base trace scheelite fluorescence. Rare bright scheelite below 8.80m, no weathering	MINERALISED GNEISS ZONE strongly weathered, pale yellow-brown, laminated, quartz-feldspar-biotite gneiss, foliation parallel to bands at 1-3cm Magnetite veins 1-2cm 30-40% garnets clay alteration along joints and fractures to 5cm normal Foliation / banding varies 50°-70° to core axis fine bands / 5cm, 30-50° to core axis 1.60m
8.80m				0.1% fine, fractured scheelite to 1mm, rare thin veinlet from 8.2mm	
11.60m				+1.0% fine scheelite irregularly distributed throughout, to 8mm, mostly 1-3mm	MAGNETITE GARNET EPIDOTE SKARN massive to fractured, medium to coarse grained, 60-70% garnets, 20-25% fine grained epidote, magnetite, irregularly fine to coarse grained, 10-20% mostly disseminated throughout, 5% pyrite, 5% mostly disseminated and fracture controlled, brown weathering, 1-2cm joints, 3mm pyrite veinlets, foliation 60° at 19m, 70° at 23m
15.05m				0.4% fine scheelite to 5mm throughout, mostly in range 1-3mm. Several joint faces coated with fine scheelite crystals.	
20.80m				0.8% fine scheelite to 8mm, mostly <3mm.	
23.00m				0.2% fine scheelite, <2mm, mostly <1mm, few joint films.	GARNET EPIDOTE EPIDOTE MAGNETITE SKARN grossularite 60% pale pinkish-brown, fine to coarse grained, 10% fine disseminated magnetite, 5% epidote, banding 60°
26.05m				0.4% fine scheelite mostly <2mm, few crystals to 5mm.	MAGNETITE SKARN - coarse grained, 5-10% grossularite, 5% epidote, 10% pyrite, foliation 60°
29.45m				Rare trace scheelite fluorescence only. U/V.	29.80m QUARTZ EPIDOTE SKARN Quartz - epidote, coarse grained, quartz 40% to 10cm, fine laminations, bands at 30° to 8cm.

GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	Brownish black 5YR2/1 to ducky brown 5YR3/2, mottled light brown 5YR5/6
U.V. RESPONSE % SCHEELITE	Tr | 0.1 | +1.0 | 0.4 | 0.8 | 0.2 | 0.4 | Tr
% VISUAL SCHEELITE	0 | Tr | Tr | 0.7 | 0.3 | 0.6 | 0.1 | 0.2 | Nil. Tr
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	0.10 | 0.56 | 1.20 | 1.80 | 1.35 | 1.35 | 1.40 | 1.30 | 1.50 | 1.05 | 0.60 | 1.50 | 0.90 | 1.50 | 1.50 | 1.10 | 1.30 | 1.00 | 0.60 | 1.00 | 1.10 | 1.00 | 1.00 | 1.00 | 1.00
DRILLING INTERVAL	3.00 | 4.50 | 6.00 | 7.50 | 9.00 | 10.50 | 12.00 | 13.50 | 15.00 | 16.50 | 18.00 | 19.50 | 21.00 | 22.50 | 24.00 | 25.50 | 27.00 | 28.50 | 30.00 | 31.50 | 33.00 | 34.50

Length _____ Contractor _____

Azimuth 060° [illegible] Core _____ Stored _____

Dip at Collar -25° Casing _____

Northing 5863.0 Logged by [illegible] Date [illegible]

Easting 7404.8 Location _____

Elev. 490.4

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. [illegible]

Project _____

Area [illegible]

Page ____ of ____

183070

59

5 cm

GEOLOGY	Epidote 55%, 5% disseminated magnetite 32-33 dense quartz band, quartz-rich 34.0-34.5m Foliation - alignment of magnetite 60-70° Rough fracture - jointing 30° Granite, coarse grained, bleached and epidotized from 40.6m 41.30m END OF HOLE
MINERALISATION	Bone trace schechte fluorescence
SURVEY	Depth / Dip / Azimuth
GEOLOGY	QE 70° Gr
MINERAL	
STRUCTURE	3C 3C 3C 3C
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Tr
% VISUAL SCHEELITE	NIL
SCALE 1:200	34 36 38 40 42
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	

Length [illegible]
Azimuth [illegible]
Dip at Collar [illegible]
Northing
Easting
Elev.
O.B. Thickness Started Finished
B R Thickness Started Finished

Contractor
Core Stored
Casing
Logged by [illegible] Date [illegible]
Location

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project [illegible]
Area [illegible]
Page of

5 cm

Depth	
Dip	
Azimuth	
SURVEY	
MINERALISATION	2.00m Bare trace of scheelite fluorescence. Rare fresh scheelite as blebs ≤ 1mm 12.5-13m 13.00m 0.2% fresh unweathered scheelite ≤ 2mm, mostly < 1mm. 16.00m Bare trace scheelite fluorescence. Occasional trace fresh scheelite on fracture surfaces.
GEOLOGY	NOT CORED — sludge goethite-rich 2.00m clay, trace relict magnetite. CLAY ex SWARM — goethite-rich clay, trace residual magnetite highly weathered garnet +10%, mostly granular. Weak relict foliation 70° and 6m. 7.50m BASE NO CORE recovered. MAGNETITE GARNET-(?) SWARM Banded (75°), highly weathered & friable magnetite, bands & 5-10cm, well rounded & goethite/limonite altered garnet 20%, clay, goethite and trace % unweathered angular garnet. 17.60m GROSSULAR SWARN — high fracture slightly weathered, 5-10% fine-medium throughout as blebs & 1-2cm magnetite 5% as blebs & 2cm, mostly irregular but some aligned along foliation 50°. Actinolite/talc/chlorite along foliation ± 5%. Fracture planes 45°, 60°, 30° very strongly developed 30.00m EPIDOTE SWARN — silicified ?... and 30.60m 30.78m END OF HOLE
MINERAL	
STRUCTURE	10° 75° 45° 45° 45°
COLOUR & COLOUR CODE	grey-red 5R 4/2 to mod. yellow. brown 10YR5/4 — mod. yellow. brown 10YR5/4 to dusky brown 5YR2/2 to dk. yellow. orange 10YR6/6
U.V. RESPONSE % SCHEELITE	Tr Tr 0.2 Tr
% VISUAL SCHEELITE	Tr Tr 0.1 Tr
SCALE	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	0.70 0.70 0.90 1.10 NIL 0.20 0.30 0.85 0.70 0.45 0.80 1.00 1.00 1.30 0.50 1.00 1.60 1.90 1.40 1.35 1.20 0.75 0.25 0.70 0.60
DRILLING INTERVAL	2.00 4.00 4.40 6.00 7.50 8.05 8.40 10.80 12.00 13.00 14.00 15.00 16.10 17.50 18.00 19.50 21.00 23.90 26.00 27.50 29.20 30.00 30.78

Length 30.30m
Azimuth 042° (T)
Dip at Collar -45°
Northing 6864.2
Easting 7380.6
Elev. 490.0
O.B. Thickness ____ Started ____ Finished ____
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.Mc'I Date ____
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DD4235
Project ____
Area ____
Page 1 of 2

1850.2

071

5 cm

Depth	0 m	49 m
Dip	45°	46°
Azimuth		

GEOLOGY

CLAY — stiff, pale to moderate brown clay, traces of limonite & ±5% chalcedonic silica for drill hole to 5 m, terminated at 7.00

7.00 m
CLAY ex SURV. a moderately stiff pale brown to moderate yellowish brown clay with traces of limonite. Base taken from grass roots. No structures for location, very weak to moderate fracture cleavage. Base taken at 13.0 m where clay becomes magnetic.

18.00 m
"MAGNETITE EPIDOTE SKARN" a dense, greenish rock consisting essentially of granular magnetite, epidote, chalcedonic quartz, abundant clay minerals + calcite + limonite. Contacts with clay gradational, base taken at 18.0 m where highly magnetic material first encountered.

22.00 m
"MAGNETITE ——" a highly fractured and brecciated magnetite rock with traces of epidote, chalcedonic quartz, limonite, clay minerals & calcite. Contacts with epidote skarn gradational.

25.00 m
EPIDOTE GARNET MAGNETITE SKARN a greenish grey granular rock consisting essentially of epidote, garnet, magnetite & chalcedonic quartz with minor amounts of clay minerals, limonite & calcite. Contacts with epidote garnet skarn gradational.

29.30 m
EPIDOTE GARNET MAGNETITE SKARN. A highly fractured, greenish grey, fine to medium grained rock consisting essentially of epidote, garnet, magnetite & chalcedonic quartz with minor amounts of clay minerals, limonite & calcite. Fracture intensity ranges from 5 to 10 per metre. Numerous fracture planes in core are coated with limonite & clay minerals. Fracture planes dip at 30° to 60° to core axis.

MINERALISATION

No visible mineralization.

No visible mineralization.

No visible mineralization.

No visible mineralization.

No visible mineralization.

No visible mineralization.

SURVEY	Depth	Dip	Azimuth
	0 m	45°	
	49 m	46°	

GEOLOGY	C	C(?)	*Mt°	M	E	q-E
MINERAL						
STRUCTURE			30° 30° 30°	30°	30°	30°
COLOUR & COLOUR CODE	Mod. brown 5YR3/4 to Pale brown 5YR5/2	Pale yellowish orange 10YR8/6 to dusky yellow orange 10YR6/6	Dusky brown 5YR2/2 to Greyish brown 5YR3/2	Dusky brown 5YR2/2 to olive grey 5Y3/2		
U.V. RESPONSE % SCHEELITE	Nil	Nil	Nil	Nil	Nil	Nil
% VISUAL SCHEELITE	Nil	Nil	Nil	Nil	Nil	Nil

SCALE 1:200 — 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

ASSAYS (% W)

SAMPLE WIDTH	TO :	FROM :	SAMPLE NUMBER
1.0	15.0	14.0	21608
1.5	16.5	15.0	21609
1.5	18.0	16.5	21610
1.2	19.2	18.0	21611
No core recovered.	20.4	19.2	
0.60	21.0	20.4	21676
No core recovered.	21.6	21.0	
0.60	22.5	21.9	21677
1.50	24.0	22.5	21678
0.90	24.9	24.0	21679
1.20	26.1	24.9	21680
1.10	27.2	26.1	21681
0.90	28.1	27.2	21682
0.60	28.7	28.1	21683
1.30	30.0	28.7	21684
1.0	31.0	30.0	21685
1.0	32.0	31.0	21686
1.0	33.0	32.0	21687
1.0	34.0	33.0	21688

SCALE

CORE RECOVERED: 0.30 0.40 0.55 0.30 0.45 Nil 0.60 Nil 0.45 0.95 1.10 1.10 0.55 0.95 1.25 0.65 Nil 0.45 0.45 0.45 0.35 0.40 0.40 0.45 0.75 0.50 0.75 0.15 0.60 0.65 0.70

DRILLING INTERVAL: 2.5 3.0 4.0 5.0 5.3 6.0 6.9 7.6 8.1 9.0 10.0 10.8 12.0 13.5 14.0 15.0 15.6 16.8 18.0 19.2 20.4 21.0 21.6 22.5 24.0 24.9 26.1 27.2 28.1 28.7 30.0 31.0 32.0 33.0 34.0

Length 49.80 m
Azimuth 090° UTM.
Dip at Collar 45°
Northing 5425782.7
Easting 397356.9
Elev. 514.4 m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by C.C. Wolff Date 4 August 1978
Location
Started 31 July 1978 Finished 3 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 226
Project KARA
Area KARA NO 1
Page 1 of 2

072

18206

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				Trace yellow fluorescent scheelite at 34.5m No visible mineralization	Coarsed foliated aplite from 36 m, core is more massive, a gradual gradation where magnetite increases to 20%, slightly more leucocratic, thin zone foliation 40-60° 41.30m CALCITE - magnetite veinlets 45.80m MAGNETITE GARNET SKARN, possibly [illegible] 5% pyrite, 5% blebby chalcopyrite, 60% magnetite, very well foliated, no fluorescence BIOTITE GRANITE as above. Trace of 3% magnetite, very strongly epidotized END OF HOLE @ 49.80m

| | | | |

5 cm

023

SURVEY									
Depth									
Dip									
Azimuth									

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
[illegible]		0														No Core Some Surface Muds.
4.0m															4.80m	
4.80	0.2m															Mottled Red & Black Brown [illegible]
6.0	0.72														6.0m	
7.4	[illegible]										Mottled 5R6/6 / 10R4/3 & 10YR 8/2			CT	MINERALIZATION	Mottled Red & White Clay
9.4	1.30														10.0m	Crudely foliated iron stained [illegible] soft and [illegible] little to no free quartz
10.6	[illegible]										5YR 4/4, 5R 2/2			CT		Black-Highly Weathered Iron [illegible] Geothitic Clay Skarn
12.0	[illegible]														13.0m	[illegible]
12.7	0.50													WTg		Highly Weathered Skarn & Gravel [illegible]
15.0	1.05															
16.0	[illegible]															
17.5	[illegible]														17.65m	
17.6	0.30															Highly Weathered [illegible]
18.6	0.50								NIL	NIL				WT	VISIBLE	[illegible]
21.0	0.5															
21.6	0.45															
22.4	0.55														21.10 m	
23.3	0.90															Highly Weathered Skarn [illegible]
24.5	0.74										10YR 5/4 to 10Y 5/4 mottled yellow-olive brown	30°				Epidote [illegible]
25.5	1.50															
27.0	1.45													WT	No	[illegible]
28.5	1.5															
30.0	1.50															
31.5	1.5															
32.0	1.5															

Breakout [illegible] at 37m.

Length 647 m
Azimuth 090 mm
Dip at Collar 45°
Northing 5979.8
Easting 7342.0
Elev. 492.5
O.B. Thickness
B R Thickness

Contractor
Core [illegible] Stored
Casing [illegible]
Logged by [illegible] Date [illegible]
Location

Started Finished
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project
Area
Page of

1830.4

074

5 cm

GEOLOGY	
MINERALISATION	
Depth	
Dip	
Azimuth	
SURVEY	
GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE	
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page 1 of _____

075

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 0

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE 0

% CORE RECOVERED

DRILLING INTERVAL

Length 52.20 Contractor

Azimuth Core Stored

Dip at Collar Casing

Northing 5979.0 Logged by DJB Date 15/12/87

Easting 7311.1 Location

Elev. 500.3

O.B. Thickness Started Finished

B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No.

Project

Area

Page 1 of

076

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

| | | |

183078

5 cm

GEOLOGY	(as previous)
MINERALISATION	minor flecks of mineralisation up to 1mm xtal size. Large crystals in fractures and veinlets although smaller crystals generally disseminated. Tapers off to minor disseminations. Trace to 70m. 72.0m
	Quartz Feldspar Rock coarse sandy shale & greyish [illegible] patches [illegible] with [illegible] texture. 82.0m 82.20m PARK [illegible] END OF HOLE
SURVEY	Depth / Dip / Azimuth
GEOLOGY	Mt / QE
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	0.1 / 0.3 / 0.5 / 0.2 / Tr
% VISUAL SCHEELITE	Trace / 0.1 / 0.5 / 0.1 / Trace
SCALE	
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	100% recovery 15m spins
DRILLING INTERVAL	

Length [illegible]
Azimuth 020 [illegible]
Dip at Collar 45
Northing
Easting
Elev.
O.B. Thickness Started Finished
B R Thickness Started Finished

Contractor
Core Stored
Casing
Logged by [illegible] Date
Location

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DH 028
Project Kaw
Area Kaw - 1
Page 3 of 3

078

5 cm

GEOLOGY			
MINERALISATION			
Depth			
Dip			
Azimuth			
SURVEY			
GEOLOGY			
MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE			
U.V. RESPONSE % SCHEELITE			
% VISUAL SCHEELITE			
SCALE 1:200			
ASSAYS			
% W			
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
% CORE RECOVERED			
DRILLING INTERVAL			

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing 5780.9 Logged by _____ Date _____

Easting 7524.9 Location _____

Elev. 514.5

O.B. Thickness _____ Started _____ Finished _____

B.R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

183080

.079

5 cm

GEOLOGY	In a quartz-kaolin rock with relict epidote. From 37.5, this grained, aplitic granite, weakly epidotized. 38.30m END OF HOLE			
MINERALISATION				
Depth / Dip / Azimuth				
SURVEY				
GEOLOGY				
MINERAL				
STRUCTURE				
COLOUR & COLOUR CODE				
U.V. RESPONSE % SCHEELITE				
% VISUAL SCHEELITE				
SCALE				
ASSAYS				
% W				
SAMPLE WIDTH				
TO :				
FROM :				
SAMPLE NUMBER				
SCALE				
% CORE RECOVERED	1.00	1.10	1.00	0.70
DRILLING INTERVAL	38.50	38.0	37.5	38.30

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. DL 1 280

Project _____

Area _____

Page _____ of _____

183081

U80

5 cm

GEOLOGY	OVERBURDEN – boulder clay, pisolitic and laterite gravels, weathered magnetite porphyry. Drilled out for drill platform.
	10.00m
	MAGNETITE DIORITE PORPHYRY shows wide variation in mineral proportions, grain size and magnetite content. Contains xenoliths of amphibolite.
	15.30m
	DIORITE MAGNETITE EPIDOTE PORPHYRY A variable unit, generally banded 70° to sample. Diopside ± epidote, magnetite 30-80%, roughly diminishes, blebs 0.2-3 cm, also zone of 1-2m massive magnetite gossular garnet 10%, patches and zones 1cm-30cm. Mauve blebs and zones 1cm-30cm. EPIDOTE ± 15%, generally [illegible] down hole, pink/mauve/grey 70% epidote. Weathered zone usually thoroughly [illegible] generally weak to moderate [illegible] Fracture and foliation planes. Epidote-garnet veins [illegible] weathered to a pinkish [illegible]
MINERALISATION	Base line of fine scheelite fluorescence to max. 1 mm
	18.30m
	0.8-1.0% coarse anhedral scheelite 1-2cm, mostly less than 5mm. Several zones 1-5mm thick fluorescent scheelite 2mm, max 10-20cm
	24.30m
	Trace of fine anhedral scheelite <1mm
	29m
	0.3% anhedral scheelite mostly <2mm but several blebs and zones 5mm. Generally aligned parallel to foliation. Fluorescent veins from 29.00m to 32.00m
SURVEY	
Depth	
Dip	
Azimuth	
GEOLOGY	C WMK TM
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	N/C N/C Tr Tr 0.8 1.0 Tr Tr 0.2 0.3
% VISUAL SCHEELITE	N/C Tr 0.8 Tr 0.2
SCALE 1:250	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
ASSAYS	
% W.	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	Trace 50%
DRILLING INTERVAL	12.2 0.45 12.65 0.25 12.90 0.30 13.20 0.30 13.50 0.30 13.80 0.25 14.05 0.25 14.30 0.25 14.55 0.25 14.80 0.25 15.05 0.25 15.30 0.25 15.55 0.25 15.80 0.25 16.05 0.25 16.30 0.25 16.55 0.25 16.80 0.25 17.05 0.25 17.30 0.25 17.55 0.25 17.80 0.25 18.05 0.25 18.30 0.25 18.55 0.25

183082

081

5 cm

Depth	Dip	Azimuth	SURVEY

GEOLOGY

As above

41.50m DIOPSIDE GARNET EPIDOTE HORNFELS
Pale grey fine grained diopside - garnet rock. Shows 20-30% disseminated fine grained sphene, generally sparsely throughout, some bold 5mm long sphene blebs. Foliation 60° at 315° cm aligned at 340° cm. Veining & banding parallel.
46.50m

EPIDOTE QUARTZ SKARN
A coarse grained epidote quartz skarn with some garnet. Contains 20-30% sphene. Foliation 60° at 315° cm. Banding & veining parallel.

Bare trace of blue fluor. - associated scheelite. Unmagnetic. No visible mineralization.

Dimensional magnetic foliation 30°/315° cm. 30-35% sphene. Lineation 60° at 315° cm. Weakly brecciated, sphene veining. Epidote pervasive and minor garnet. Unmagnetic by magnetic.
Veining trends 060°/90° from 55m. Trace of foliation on vein planes.

61.40m END OF HOLE

MINERALISATION

0.3% fine scheelite as above
26.00

0.1% fine scheelite < 1mm
39.00

Bare trace of fine scheelite in c/c

GEOLOGY	TR1	70° TM	10°	SE
MINERAL				
STRUCTURE	40°	30°	20°	
COLOUR & COLOUR CODE				
U.V. RESPONSE % SCHEELITE	0.3	0.1	Tr	Tr
% VISUAL SCHEELITE	0.2	Tr	Tr	NIL Tr
SCALE 1:200	34 36 38 40 42 44 46 48 50 52 54 56 58 60 62			
ASSAYS				
% W				
SAMPLE WIDTH				
TO :				
FROM :				
SAMPLE NUMBER				
SCALE				
% CORE RECOVERED	1.50	1.50	1.50	1.50 0.60
DRILLING INTERVAL	34.50	36.00	37.50	39.00 39.60

	1.45	0.90	1.50	0.85	
41.10	42.05	42.90	43.31	44.85	
	1.31	0.69	1.05	0.65	
44.31	45.00	45.69	46.74	47.39	
	1.00	1.45	1.60	1.20	
48.39	49.39	50.84	52.44	53.64	
	1.60	1.45	1.50	1.50	
55.24	56.84	58.29	59.79	61.29	
	1.50	1.50	1.50		
62.79	64.29	65.79	67.29		

Length _____ Contractor _____
Azimuth _____ Core _____ Stored _____
Dip at Collar _____ Casing _____
Northing _____ Logged by _____ Date _____
Easting _____ Location _____
Elev. _____
O.B. Thickness _____ Started _____ Finished _____
B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. _____
Project _____
Area _____
Page ____ of ____

082

5 cm

GEOLOGY	GRANITE SAND - Transported sand, subangular to subrounded quartz fragments to 4 mm. Fragments of weathered granite up to 5 mm. This material is derived from granite up-slope and is not in situ.
	10.00m
	CLAY LOAM - Tan to dark brown clay, numerous fragments of weathered granular quartz and relict magnetite. Base is of almost totally weathered pegmatite.
	11-12m and 18-18.5m Rock fragments, angular to sub-angular, boundaries not known.
	21.00m
	EPIDOTE MAGNESITE DIORITE GNEISS An equigranular dark grey to black rock with 50% fine to medium grained plagioclase and epidote, 30% irregular shaped magnesite grains up to 5 mm, 20% diamond shaped hornblende crystals up to 2.5 mm.
	23.50m
	Strongly weathered, clay loam rich diamond shaped hornblende crystals 20% 28m – 28.5m
	28.50m
	MELANOCRATE ACTINOLITE GNEISS A massive, weakly foliated, magnesite, 75%, 20% fine acicular to elongated hornblende crystals and minor amount of epidote. Foliation

MINERALISATION	Base trace of scheelite fluorescence. No visible mineralization.
	21.00m
	0.7% fine scheelite, base trace of tungsite. Scheelite highly fractured, max. size 8 mm, mostly <2 mm.
	23.50m
	0.1% fine scheelite crystals to 2.3mm
	25.50
	+13% scheelite, fine, no alteration, max. crystal size 1 cm, mostly 2.5 mm. Abundant very fine fluorescence <1 mm.

| | | |

083

183084

5 cm

GEOLOGY	5% m. blebs, diopside, as blebs to 3-5m, and andradite garnet, as isolated crystals and aggregates to 5mm. Very slight weathering to 20-5m. Trace of epidote throughout. Foliation 50-70°.
	42.00m GARNET DIOPSIDE MAGNETITE SKARN. Averaging banded (60°) diopside-andradite skarn, 5% grossularite, magnetite, 20% disseminated unmeasured throughout. Trace of actinolite, 5% epidote, very variable throughout.
	48.80m GARNET MAGNETITE ACTINOLITE SKARN. [illegible]
	51.40m SERPENTE SKARN [illegible]
	52.60m [illegible]
	GRANITE [illegible]
	54.00m END OF HOLE [illegible]
MINERALISATION	As before. No scheelite weathering. 41.00m
	Bare trace, to 0.1% locally, fine fresh scheelite << 1mm, few blebs and crystals to 2mm.
SURVEY	Depth / Dip / Azimuth
GEOLOGY	m; 70°; Tm; 70°; mt; 60°; 30°; FGS
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	13; Tr
% VISUAL SCHEELITE	0.8; Tr
SCALE	34 36 38 40 42 44 46 48 50 52 54
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.50 1.50 1.50 1.40 1.45 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.30 1.50
DRILLING INTERVAL	34.50 36.00 37.50 39.00 40.50 42.00 43.50 45.0 46.5 48.0 49.5 51.0 52.40 54.00

Length _____ Contractor _____
Azimuth _____ Core _____ Stored _____
Dip at Collar _____ Casing _____
Northing _____ Logged by _____ Date _____
Easting _____ Location _____
Elev. _____
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 23
Project [illegible]
Area [illegible]

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1084

183085

5 cm

GEOLOGY

CLAY, fragments of MAGNETITE
A very stiff goethite rich clay, ~~no~~ structure, with fragments of highly weathered magnetite - possibly 30%.
Trace weathered pyrrhotite.
Weak banding in solid core but too small and fragmented for dip determination.
8.20m

HORNBLENDE-MAGNETITE SKARN - dense, 8.90m fine grained rock, ~~no~~ structure, mag 30%

MAGNETITE EPIDOTE GARNET SKARN

Partially weathered ~~skarn~~ rock ~ 10% 80% magnetite 30% replaced by goethite, 1% pyrite
Banding ~ 45° to core axis
10-20% garnet ~ 2mm
Weak ~ 30% magnetite
From 25m rapid to ~ 50% weathered, magnetite ~ 10% and goethite ~ 40% replaced.
Fair to ~ 30% magnetite ~ 30°
Weathering and alteration ~ Past 28m

28.0m

MAGNETITE EPIDOTE GARNET SKARN
~ 80% coarse crystalline magnetite
~ 10% each epidote and garnet
Trace of Bornite and pyrite
32.5m, slight ~ 10° banding

MINERALISATION

SURVEY	Depth	Dip	Azimuth
	0	45°	
	87	45°	

No visible mineralization.

No visible mineralization

No visible mineralization

GEOLOGY: Tm | Tm | f (fault) | M | f | M | 30° | M

MINERAL

STRUCTURE

COLOUR & COLOUR CODE			
Mod. to light brown 5YR4/4 to 5YR5/6	Dusky yellow. brown to grey black 10YR2/2 N2 Softer clay DK. yellow. orange 10YR6/6	mod. to light brown 5YR4/4 to 5YR5/6	Dusky yellow. brown to grey black 10YR2/2 N2

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200 — 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length 87.35m
Azimuth 270° ~~000~~° UTM
Dip at Collar 45°
Northing 5426190.0 t
Easting ~~397200.0~~ 397272.0
Elev. 471.7m t
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C. Worth Date 3 August 1978
Location
Started 27 July 1978 Finished 3 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 232
Project KARA
Area WESTERN CONTACT
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183086

085

5 cm

GEOLOGY	MAGNETITE EPIDOTE GARNET SKARN Coarse crystalline magnetite, +80%, 10% epidote, 10% grossular garnet. Fine veinlet garnet bands of 5cm Trace calcareous carbonate throughout, few veinlets of 5mm garnet increases at 30° to core 5m, well banded to 50%, 10cm strongly foliated throughout 20cm, very strong foliation 30-35° to core 5m Core contaminated from 52.5m SKARN MAGNETITE EPIDOTE GARNET SKARN 70-80% coarse crystalline epidote 10-15% fine to coarse bladed specularite 5-10% garnet 5-10% Veins fine grained, pluty fractures, Fine banding (cm to 5cm) with planes 10° to core, 2mm wide, trace disseminated pyrite throughout Foliation generally 20-30° reinforced 40° some [illegible]
MINERALISATION	Trace unweathered scheelite throughout as isolated blebs and wisps along foliation. Trace scheelite throughout generally. Four very narrow zones with blebs of scheelite notably at 56.8m a 2 cm zone with numerous scheelite blebs 3mm occasional blebs of 4 mm, few pulled and wisps along foliation
Depth / Dip / Azimuth	
SURVEY	

GEOLOGY	m ; ft mt
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Tr ; Tr.
% VISUAL SCHEELITE	Tr ; Tr.
SCALE	34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.05 0.85 0.55 3.00 3.00 3.00 3.00 3.00 3.00 2.00 0.75 2.70 1.00 0.50 0.50 1.00
DRILLING INTERVAL	34.5 36.0 37.5 39.5 41.5 43.5 45.5 47.5 49.5 51.5 53.5 55.5 57.5 59.5 61.5 63.5 65.5 67.5

Length 87.85m
Azimuth 270° UTM
Dip at Collar 45°
Northing 5426/90.0 ±
Easting 397290.0
Elev. 471.7m ±
O.B. Thickness ____ Started 27 July 1978 Finished 3 August 1978
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 3 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH232
Project KARA
Area WESTERN CONTACT
Page 2 of 3

183087

088

5 cm

Depth	Dip	Azimuth	SURVEY	GEOLOGY	MINERALISATION
				MAGNETITE EPIDOTE GARNET SKARN ao abun. Very broken and fractured from 58-64m, 68-71m 71.00m GARNET SKARN - 70% coarse granular garnet, 30% disseminated magnetite, foliation 20° core very broken and water stained 77.00m MAGNETITE ACTINOLITE GARNET SKARN +70% Magnetite, 5% actinolite/epidote, ± 25% granular garnet. Strongly foliated 30-35°, fractured along thin plane. Few zones 4to cm actinolite-epidote, 10-20% magnetite. 88.00m QUARTZITE fine grained, dense, well bedded granular to fine interstitial epidote & hornblende. Trace actinolite grained 85° END OF HOLE @ 87.35m	Trace unweathered scheelite. Bare trace of fine unweathered scheelite Bare trace of fine scheelite No weathering. No visible mineralization

GEOLOGY: Mt | g | Mt | Q

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1:200 — 68 70 72 74 76 78 80 82 84 86 88

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

58.40	1.05	64.70	1.00	70.50	0.71	71.20	1.20	73.50	1.40	74.90	1.80	76.30	0.75	77.05	0.72	77.90	0.75	78.60	0.65	79.50	0.90	81.0	1.40
82.5	1.85	84.0	1.50	85.15	1.10	86.7	1.50	87.35	0.65														

Length 87.35m
Azimuth ~~090~~ 270°UTM
Dip at Collar 45°
Northing 5426190.0E
Easting 397290.0
Elev. 471.7m ±
O.B. Thickness ____ Started 27 July 1978 Finished 3 August 1978
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 3 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 232
Project KARA
Area WESTERN CONTACT
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087

18,300

5 cm

GEOLOGY	WEATHERED MAGNETITE — a clay-goethite rock with 40% relict magnetite. Possibly an original epidote-magnetite skarn, epidote now weathered to clay. Recovery poor and as highly fragmented, no structure remains, but weak lineation suggests foliation at 140°.
	11.75m
	CLAY — a stiff goethite-rich clay, numerous shiny planar, well polished, at 30-40°. Fine magnetite throughout, few coarser blebs strongly weathered to goethite, up to 1cm. Generally magnetite 30% to 1cm, but may be core from up-hole magnetite fragments. Poorly rounded to sub-rounded. Possible relict foliation 35° between 20-32m
	32.60m GOETHITE — possibly or magnetite. An earthy amorphous goethite
MINERALISATION	No visible mineralization.
	No visible mineralization
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	m c c m
MINERAL	
STRUCTURE	1
COLOUR & COLOUR CODE	Dusky brown to dusky red 5YR2/2 clay dark yellowish orange 10YR6/6
	Moderate reddish brown to dark yellowish orange 10YR6/6 Marginally pale red N1 to dusky brown 5YR2/2
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
CORE RECOVERED	0.3 0.76 0.10 NIL 0.76 0.45 0.30 NIL 0.45 NIL 0.30 0.35 0.50 0.45 0.60 0.45 0.70 0.50 0.70 0.80 0.75 1.15 1.50 1.56 1.50 1.50
DRILLING INTERVAL	2.3 3.35 6.05 6.05 6.81 7.15 7.75 8.05 9.75 10.45 12.00 12.84 12.75 14.30 15.15 17.33 18.84 20.25 22.11 23.61 24.25 25.45 26.20 27.95 29.70 31.20 32.70 34.20

Length 99.76m
Azimuth 270° UTM
Dip at Collar 45°
Northing 5426230.0
Easting 397290.0
Elev. 468.1 m±
O.B. Thickness ____ Started 26 July 1978 Finished 1 August 1978
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 2 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH233
Project HARA
Area WESTERN CONTACT
Page 1 of 3

183089

088

5 cm

SURVEY			
Depth			
Dip			
Azimuth			

MINERALISATION

No visible mineralization.

No visible mineralization.
Negative U/V response throughout.

Bare trace fine scheelite in U/V. NO visible mineralization otherwise.

Highly fractured scheelite, not visible, on in discrete. Few crystals to 3-4mm, mostly less than 1-2mm

GEOLOGY

rock, no location, fractured, weathered and sanded, reduct + pale.
35.50m

GARNET MAGNETITE EPIDOTE SKARN

A strongly leached goethite - clay-gypsum altered garnet rock with relict epidote and magnetite
Possibly a trace of diopside, numerous zeolite filled cavities.
Possible original composition garnet 20%, epidote 50%, magnetite 30%, contains some magnetite lithology originally
Weak relict foliation at 30° sheared fractures/joint planes 30°

52.60m

MAGNETITE EPIDOTE GARNET SKARN

Magnetite, coarsely crystalline to 4mm, 70-80%, wispy and small patches of epidote 1-5mm throughout, generally aligned along foliation 30-40°
garnet rare and massive
constituent throughout 15%
locally except 60.5-62.0, 40%, 50% magnetite, 40% epidote
Weathered slightly limonitic and goethite clay, magnetite not slightly sanded, of limonite

GEOLOGY: M | Tm | mt

MINERAL

STRUCTURE

COLOUR & COLOUR CODE: Light brown to moderate yellowish brown. 5YR5/6, 10YR6/4. clayey portions dark to pale yellowish 10YR6/6 to 10YR8/6

U.V. RESPONSE % SCHEELITE: 6800 | 0·1 | 65·20 | 0·2 | 66·3 | 0·1 | Tr

% VISUAL SCHEELITE: Tr | 0·1 | 0·1 | Tr

SCALE 1:200

ASSAYS (% W)

SAMPLE NUMBER	FROM :	TO :	SAMPLE WIDTH
21620	61·0	62·0	1·0
21621	62·0	63·0	1·0
21622	63·0	64·0	1·0
21623	64·0	64·6	0·6
21624	64·6	65·2	0·6
21625	65·2	66·3	1·1
21626	66·3	67·0	0·7
21627	67·0	67·7	0·7
21628	67·7		

SCALE

CORE RECOVERED

DRILLING INTERVAL

Length 94·70m
Azimuth 270° UTM
Dip at Collar 45°
Northing 5426230·0
Easting 897290·0
Elev. 468·1m
O.B. Thickness ____ Started 26 July 1978 Finished 1 August 1978
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.Wolff Date 2 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 233
Project KARA
Area WESTERN CONTACT
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089

183090

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
					MAGNETITE EPIDOTE GARNET SKARN as above. Epidote slightly weathered 67-69 and around 73-75m.
				Fractured scheelite, slightly weathered, tenuous smear on core. Fluorescence blue-white. Few crystals 3mm, mostly <1mm	78.60m MAGNETITE – +85% fine grained magnetite, 5-10% epidote/actinolite, trace granular garnet. Foliated 30°. Few minor fractured zones.
				Trace <0.1% scheelite in U/V	81.10m MAGNETITE GARNET SKARN. Coarse grained magnetite 70%, 20% granular epidote, trace epidote, garnet in aggregates 5mm. Foliated 35°
				Coarse scheelite 4mm, strongly fractured, no weathering.	85.30m CARNET MAGNETITE EPIDOTE SKARN. Friable, broken granular/aggregate mesh, 20% disseminated magnetite. Trace carbonate throughout
				Scheelite 1mm, few blebs 2mm marble in U/V	88.50m QUARTZITE Strongly brecciated granulite, medium to fine grained, 10-20% epidote, fine, interstitial Trace carbonate in U/V Bedding 40° Trace magnetite locally.
				Rare trace fine scheelite in U/V	94.80m END OF HOLE
				No visible mineralization.	

| | | | | |

098

5 cm

GEOLOGY

CLAY A highly variable clay, variously mottled, ironstained. Numerous goethite nodules of 3-5 cm. Few fragments goethite after magnetite. From 14.00 - 18.00 a fragmented goethite rich rock, possibly magnetite-rich, stain although no epidote remain.

18.00 CLAY - GOETHITE ROCK as Magnetite Epidote stain. A mottled clay with strong relict foliation, bone brown epidote remaining. 30-40% goethite, surrounding magnetite in fine blebs & 5 cm goethite/Mn oxide also resulting from the planes 70° and 30°, and along foliation 30° Trace weathered granular garnet throughout.

26.60 EPIDOTE MAGNETITE SKARN Fine grained epidote, partly weathered to clay, 20% finely fragmented magnetite, traces quartz/plagioclase. Foliation 30-35; jointed 30 & 70°. Trace disperate and 5 cm carbonate

30.50 QUARTZ PEBBLE CONGLOMERATE Highly fractured rock over 4 m thickness from a coarse gravel to well defined pebble conglomerate,

MINERALISATION

No visible mineralization.

No visible mineralization. Bone trace of yellow scheelite fluorescence

Unaided hand scheelite through out 1-3 mm, but concentrated along foliation at 25-30°.

Depth	Dip	Azimuth

SURVEY

GEOLOGY: C | Tm (40°) | Tm (30°) | Q

MINERAL

STRUCTURE

COLOUR & COLOUR CODE: Light brown 5YR5/6 moderate red 5R5/4 | Dark yellow orange 10YR6/6 to light brown 5YR5/6, patches goethite moderate brown 5YR3/4 | Dark yellow orange 10YR 6/6 grading to moderate greenish yellow 10Y7/4 from 20° mottled med brown 5YR3/4 to olive black 5Y2/1

U.V. RESPONSE % SCHEELITE: NIL | TR | 0.4

% VISUAL SCHEELITE: NIL | NIL | 0.2

SCALE 1:200: 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

ASSAYS

% W

SAMPLE WIDTH	TO :	FROM :	SAMPLE NUMBER
1.0	19.0	18.0	21740
1.0	20.0	19.0	21741
1.0	21.0	20.0	21742
1.0	22.0	21.0	21743
1.0	23.0	22.0	21744
1.0	24.0	23.0	21745
1.0	25.0	24.0	21746
1.0	26.0	25.0	21747
1.0	27.0	26.0	21748
1.0	28.0	27.0	21749
1.0	29.0	28.0	21750

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length 48.56m
Azimuth 270° UTM
Dip at Collar 45°
Northing 542 6310.0
Easting 397260.0 ±
Elev. 467.7m ±
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 9 August 1978
Location
Started 3 August 1978 Finished 7 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 234
Project NARA
Area Western Contact
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5 cm

GEOLOGY	to 8mm strongly epidotized to 38m, numerous open cavities lined with quartz crystals throughout, but particularly from 42m. 42.0 - 48.56m a dense quartzite - grit with rare pebbles to 3-4mm. Several zones very clayey, probable mudstone or epidote skarn bands, at 32.5 - 33.4m and 41.5 - 42.0m. Very strong fracture on joint planes at 30° and 50°. Foliation (bedding) weak at 30 - 35°. 48.56m END OF HOLE
MINERALISATION	Bare trace of scheelite throughout in U/V. Most is washed from up hole.
SURVEY: Depth / Dip / Azimuth	
GEOLOGY	Q
MINERAL	
STRUCTURE	50 30 50 30 60
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Tr
% VISUAL SCHEELITE	Tr
SCALE	34 36 38 40 42 44 46 48 50
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.30 0.90 0.75 1.15 1.45 1.40 0.65 0.55 0.5 0.5 0.50 0.30 0.15 0.15 0.40 0.30 0.30 0.40 0.15
DRILLING INTERVAL	35.50 36.40 37.20 38.50 40.00 41.50 42.25 43.00 43.75 45.70 46.20 44.50 45.15 45.70 46.65 46.50 46.90 47.70 47.50 48.00 48.40 48.56

Length 48.56m
Azimuth 270° 07M
Dip at Collar 45°
Northing 5426310.0
Easting 397260.0±
Elev. 467.7m±
O.B. Thickness
B.R. Thickness

Contractor
Core
Stored
Casing
Logged by G.C. Wolff
Date 9 August 1978
Location
Started 3 August 1978
Finished 7 August 1978
Started
Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH234
Project KARA
Area Western Contact
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092

183095

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
	71.60	47°		No visible mineralization	QUARTZITE – medium-grained quartzite, locally gritty. Very strongly weathered clay-quartz rock. No structure, but occasional slip-shear planes at 45°-possible joints.
				No visible mineralization	13.00m CLAY – fine clay, zones of fine silica, to 10 cm long. N/S shearing. Possibly a highly weathered claystone-siltstone.
				No visible mineralization	18.00m GARNET ? SKARN – a weird rock. Strongly mottled, 20% highly weathered grossular garnet. 10% goethite after magnetite ? 15% magnetite/goethite overall. Main fold from 22°. Occasional joints plane 30°.
				No visible mineralization. Rare lace fine scheelite in U.V.	27.80m GARNET EPIDOTE SKARN A highly weathered rock, 50-60% granular garnet, 5-10% relict magnetite/goethite. Trace apatite, disperse in clay which forms remainder of rock. Numerous cavities, many with secondary silica.

GEOLOGY	Q C Tm Q
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	Grayish pink 5R8/2 to pale orange 10YR8/4, blotched mod. red 5R5/2 to pale yellow. orange 10YR8/6 / grayish orange 10YR7/4 to mod. yellow-brown 10YR5/4, green grayish Yellow 5Y8/4, darkening down hole. / DK Yellow. orange 10YR6/6 blotched pale orange 10YR8/6 Rare areas to 5mm grey black N2
U.V. RESPONSE % SCHEELITE	NIL NIL
% VISUAL SCHEELITE	NIL NIL
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	N/L 0.25 0.10 / 0.95 0.55 / 0.15 / 0.45 0.70 N/L 0.45 0.90 0.35 / 1.05 3.30 2.73 0.30 / 0.15 N/L / 2.25 / 2.00 2.00 / 1.90 / 1.45 / 1.50 / 0.65 0.70 0.50 0.45 / 0.55 / 1.10 / 0.40 0.20
DRILLING INTERVAL	2.00 2.60 3.05 / 4.30 5.00 / 6.00 / 8.40 9.20 9.70 10.20 10.80 / 12.00 12.30 12.70 13.10 / 14.30 14.65 15.10 15.50 16.00 16.40 / 18.85 / 21.00 / 22.90 / 24.85 / 26.34 / 27.60 28.10 28.60 29.10 / 30.00 / 31.20 / 32.30 33.00

Length 71.60 m
Azimuth 270° UTM
Dip at Collar 50°
Northing 5426280.0
Easting 397296.0
Elev. 464.20 m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 16 August 1978
Location
Started 8 August 1978 Finished 12 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 235
Project KARA
Area WESTERN CONTACT
Page 1 of 3

093

183094

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization.	Magnetite-rich bands 35.0 - 35.60m (50%), 36.40 - 37.30m (40%) and 40.40 - 41.90m (40%). Magnetite partly weathered to goethite. Trace epidote. 42.00m, bed from 42.0m core massive garnet skarn, lightly leached, 20% clay, 1-3% relict magnetite. Weak foliation throughout 30°.
				Trace fine scheelite, no weathering, throughout. 2mm. 49.0-49.4 0.5% concordant scheelite & actinolite rich zone 3mm. 53.70 - 54.50 0.1% fine unweathered scheelite 1-2mm	47.20m MAGNETITE GARNET ACTINOLITE SKARN fine grained crystalline magnetite 5-10% granular to up to 5% finely dispersed actinolite. Few larger 0.5/1.5 f garnet 1/2 cm around 51-52m but generally crystals less than 1mm. Weak foliation average 30° but varies down to 5°. No weathering in this unit
				56.40 - 58.50m 0.2% unweathered scheelite 2.3m, in garnetite rock zone	56.90m GARNET MAGNETITE SKARN - Very strongly banded granular to 60%, magnetite to 50% but tending to random distribution. Trace actinolite and epidote. No visible but very broken core last box. Foliated. 59.80m from 10-20°
				Trace fine scheelite	GARNET MAGNETITE SKARN - highly fractured, strongly weathered granular garnet, 20% disseminated magnetite/ garnetite, 5-10% epidote. Ankerite veining/band & clay. Fracture planes 70-80° from 64.30 massive garnetite, 5-10% diopside. 65.00m
				Trace fine scheelite as 1/mm. visible in U/V. 3mm magnetite band at 64m scheelite crystals 1/mm.	MAGNETITE GARNET SKARN Magnetite 50%, granular garnet 45%, 5% garnets, trace diopside. Highly fractured, pasty weathered. Foliation 30° 68.00m
				Trace fine scheelite as above.	

| | | | |

094

5 cm

GEOLOGY	CLAY - a totally weathered skarn, trace relict magnetite, [illegible] 69.70 epidote. Quartzite to 68.20m	QUARTZITE very fine grained, dense, fine actinolite to 2-3%, fractured 70°, 140°, 45°
	71.60m END OF HOLE	
MINERALISATION	No visible mineralization	No visible mineralization
Depth / Dip / Azimuth		
SURVEY		
GEOLOGY	Tm 30	Q
MINERAL		
STRUCTURE		
COLOUR & COLOUR CODE	10YR6/6 to 5Y3/6	
U.V. RESPONSE % SCHEELITE		
% VISUAL SCHEELITE		
SCALE 1:200	68 70 72 74	
ASSAYS		
% W		
SAMPLE WIDTH		
TO :		
FROM :		
SAMPLE NUMBER		
SCALE		
% CORE RECOVERED	0.30 0.60 0.60 1.40	
DRILLING INTERVAL	69.00 69.60 70.20 71.60	

Length 71.60m
Azimuth 270° UTM
Dip at Collar 50°
Northing 5426310.0
Easting 397295.0
Elev. 464.20m
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 16 August 1978
Location
Started 8 August 1978 Finished 12 August 1978
Started Finished

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 235
Project KARA
Area Western Contact
Page 3 of 3

095

183096

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization	CLAY – largely soil profile and 1.50m transported road fill
				Few blebs of strongly weathered scheelite to 8mm, up to 5mm at 3.8m. 0.2% fluorescence throughout but little visible scheelite. Tungstite replaces and rims scheelite but fluorescence is strong.	MAGNETITE SKARN A highly weathered, fractured, magnetite, pyroxenic, locally coarsely crystalline to 5mm, but numerous fine grained, dense zones of 10 cm. 50% weathered to goethite, some hematite, leached and cellular. Abundant greenish clay, to 30%, possibly after epidote. Before 8m massive, weakly foliated, blocky fracture, from 8m granular, friable, good foliation 30-40°, more clay, trace relict epidote, increasing to 3-5% from 16m.
				Trace to 0.1% scheelite in O/P very fine to <1mm. Few visible grains partly altered to, or rimmed by, tungstite. Much white powdery mineral resembling tungstite, possibly 2%, from 17.2-17.2m in clayey zone – may be kaolinite.	17.30m EPIDOTE MAGNETITE SKARN Essentially an epidote rock with 5-10%, locally 50% magnetite as 5-10cm irregular coarsely crystalline 5-6mm foliated 40°. Partly weathered throughout, strong weathering to 17.5m.
				No visible mineralization.	24.20m GRANITE – medium to coarsely porphyritic (1-4mm). Strongly epidotised throughout, partly weathered to 29m. Foliated 40-45°, low stained joint planes 30-35°.
					Bit END OF HOLE

GEOLOGY: C | M | E | Gr

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: Nil | 0.1 0.2 | Tr 0.1 | Nil Tr | Nil Nil

% VISUAL SCHEELITE: Nil | 0.1 | Tr | Nil | Nil

SCALE / 1:200: 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 31

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

| | | | | |

096

183097

5 cm

Depth	0	42'
Dip	46°	46°
Azimuth	–	–

SURVEY

GEOLOGY

EASTERN GOETHITE: dark brown magnetite rich siltstone and graywacke. Moderate irregular calcite and carbonate veining 1-20% of rock.

GOETHITE CLAY = pale orange & mottled yellow clay, fine (1-2 mm) angular fragments of small 1-2 cm rock fragments, random brecciation 1.2-1.6 and 2.1-2.35. Trace pyrite. Weak to strong white mica alteration throughout. Trace magnetite throughout. 3.20"

GOETHITE = massive friable goethite, base trace of relict magnetite. Numerous clay partings. 4.65"

5.30" NO CORE RECOVERED

CLAY = a very pale yellow brown, kaolinitic clay, 6.15"

GOETHITE = a brown, friable clay/goethite rock, trace of relict magnetite throughout, gradually increasing towards. Very clean. 8.35-11.0", several large cavities in this zone. Solid goethite 6.85 to approx. 7.0"

12.00"

MAGNETITE, coarsely crystalline to 3" strongly weathered to goethite, some hematite from 12.8-13.2". Very friable, breaks up into magnetite "sand" on drilling and, but drilled as core. Generally strong throughout.

15.40" CLAY = dark yellow brown clay, 5-10% relict magnetite

17.10"

MINERALISATION

No visible mineralization

Base trace fluorescence. No visible mineralization

Base trace fluorescence. No visible mineralization.

Base trace fluorescence. No visible mineralization

Base trace fluorescence. Trace tungstate

Few blebs of tungstate 14.8-15.2". Base trace fluorescence throughout.

Base trace fluorescence. No visible mineralization

No visible mineralization

| | | |

097

183098

5 cm

GEOLOGY	17.10	17.60 No core recovered MAGNETITE medium to fine crystalline magnetite, 1-3 mm generally friable. Drilled as core but feels like "sand" on drying. Weathered throughout, chiefly to kaolinite, with subordinate goethite, but 40-60% fresh magnetite remains. Goethite not zoned tends to be clayey but overall clay fraction is minor. Solid core zones are honeycombed and bleached. Trace weathered garnet throughout. Weak ? foliation 60°; fracture planes/joints 30°.	24.60 MAGNETITE (EPIDOTE?) SKARN moderate highly weathered magnetite / clay mod. strongly foliated 70-80°. Magnetite 50% weathered to goethite & more massive zones but also finer & more weakly oxidized, scaled in vugs & pods. Greenish clay possibly epidote. Well crystalline throughout to 2 mm. "Sand" where dried out, but bulk is solid as core. Few fractures/joint planes at 30°.	30.20 (EPIDOTE) MAGNETITE SKARN moderate highly weathered clay, 30% locally 40-50% partly weathered magnetite, well crystalline & some specimens through clay zones, trace strongly weathered epidote. Possible foliation 70°.
MINERALISATION		Base trace fluorescence. Trace tungstite visible throughout to <1 mm.	Base trace fluorescence. No visible mineralisation	Base trace fluorescence. No visible mineralization.
Depth / Dip / Azimuth / SURVEY				
GEOLOGY		M	mt	TM
MINERAL				
STRUCTURE				
COLOUR & COLOUR CODE		very dusky red 10R2/2 to blackish red 5R2/2 Goethite zones light brown 5YR5/6.	clay moderate greenish yellow 10Y7/4 magnetite/goethite light brown 5YR5/6 to grey black N2	
U.V. RESPONSE % SCHEELITE				
% VISUAL SCHEELITE				
SCALE 1:100		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34		
ASSAYS				
% WO_3				
SAMPLE WIDTH				
TO :				
FROM :				
SAMPLE NUMBER				
SCALE				
% CORE RECOVERED		See separate log for recovery.		
DRILLING INTERVAL				

Length 42.00m
Azimuth
Dip at Collar 45°
Northing
Easting
Elev.
O.B. Thickness Started Finished
B.R. Thickness Started Finished

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 20 August 1978
Location

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH237
Project KARA
Area KARA No. 1
Page 2 of 3

098

183099

5 cm

GEOLOGY	(EPIDOTE) MAGNETITE SPARN as above. Weathering decreases from 30m, magnetite almost first trace of fine garnet overlaid 3m 35.95m	GRANITE Medium to coarse grained, strongly porphyritic. Feldspars are weakly epidotized throughout but particularly to 37m. Moderate to strong weathering to 37m. Weak weathering to end of hole. Motion are aligned on foliation planes 45°. Fractured / jointed 30° and 45°. 42.00m END OF HOLE
MINERALISATION	No visible mineralization.	
Depth / Dip / Azimuth / SURVEY		
GEOLOGY	45°	
MINERAL		
STRUCTURE	45° 45° 45° 45° 45° 45°	
COLOUR & COLOUR CODE		
U.V. RESPONSE % SCHEELITE		
% VISUAL SCHEELITE		
SCALE 1:100	34 35 36 37 38 39 40 41 42	
ASSAYS		
% W		
SAMPLE WIDTH		
TO :		
FROM :		
SAMPLE NUMBER		
SCALE		
% CORE RECOVERED	See separate log for recovery	
DRILLING INTERVAL		

Length 42.00m
Azimuth
Dip at Collar 45°
Northing
Easting
Elev.
O.B. Thickness Started Finished
B.R. Thickness Started Finished

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 20 August 1978
Location

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 287
Project KARA
Area KARA NO 1
Page 3 of 3

099

183100

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralisation. Negative U/V response	QUARTZITE — QUARTZ PEBBLE CONGLOMERATE. Highly weathered, brown quartzite, very coarse grained to 5cm. Pebbles, mostly rounded, 0.1-5cm. Lithology 50% Pebbly Conglomerate.
			5.30m	Some trace fluorescence in U/V no visible scheelite. Slight contamination of core trays and core by mud containing fine scheelite - hole drilled on margin of tailings dam. Main zone of contamination 17.0 - 32.0, but less than 0.1% fluorescence	5.30m CLAY — ex SHARN. Mottled dark brown - pale brown, clay, mottled goethite, hard in clay and as pantings. 20-30% clay, relict, highly weathered quartz. Foliation / banding poorly developed at 50° - may be relict from folding.
					13.80m MAGNETITE ex SHARN - pale brown clay, 10-15% relict magnetite, very fine grained. Trace to 5% magnetite.
			21.60m	Fractured, fresh scheelite, very slight tungstite alteration, thought generally finely disseminated 2mm, but numerous zones up to 3-6cm of dense aggregates of scheelite	16.30m GARNET ex SHARN - pale brown, mottled clay, rich red-brown, 30-40% granular garnet, 10-20% relict magnetite. Possible trace of scheelite. 21.60m GARNET MAGNETITE EPIDOTE SKARN. Strongly weathered clay rich skarn, fractured 60-70°. Epidote/clay 40%, grossular garnet 20%, balance to 80% magnetite disseminated throughout to 60%, solid boulder magnetite 333-336. Trace very strongly weathered actinolite to 32m
			31.25m		

GEOLOGY	Q / C(1) / M / TM / TM
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	light brown 5YR5/6 to dark yellowish orange 10YR6/6 | As below, mottled dusky yellow brown 10YR2/2 & grayish black N2 | moderate olive brown 5Y4/4 to grayish olive 10Y4/2 to light olive brown 5Y5/6
U.V. RESPONSE % SCHEELITE	Tr | 0.5 | 0.2
% VISUAL SCHEELITE	NIL | 0.3 | 0.1
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	0.35 | 0.20 | 0.28 | NIL | 0.15 | 1.20 | 0.60 | 1.05 | 0.70 | 0.70 | 1.05
DRILLING INTERVAL	2.40 | 3.50 | 4.20 | 4.90 | 5.80 | 6.30 | 7.50 | 8.55 | 9.25 | 10.00 | 11.05 | 12.30 | 13.90 | 15.00 | 16.45 | 17.60 | 18.30 | 19.55 | 20.90 | 21.30 | 21.71 | 22.30 | 23.60 | 24.30 | 25.80 | 27.30 | 28.15 | 29.00 | 30.30 | 31.25 | 32.25 | 33.30

Length 63.30m
Azimuth 090° UTM
Dip at Collar 65°
Northing 5425778.4
Easting 397295.9
Elev. 520.5m
O.B. Thickness
B.R. Thickness

Contractor
Core Stored
Casing
Logged by G.C.Wolff Date 28 August 1978
Location
Started 15 August 1978 Finished 17 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 238
Project KARA
Area KARA NO.1
Page 1 of 2

100

183101

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
					as above.
				0.2% fine unweathered scheelite ≤ 1 mm, mostly fine very rare crystals 2-3 mm	36.00m MAGNETITE ACTINOLITE DIOPSIDE SKARN Friable, loose actinolite (20%) diopside (20-30%) magnetite ±60% Local 1% possible garnet 4 10% at contact Rare scheelite. Fine actinolite zones to 1 cm diopside. Fine actinolite zones to 1 cm Strong foliation 50° fine to medium 70°
				40.0m +3% fresh scheelite as cyrstals and aggregates ≤ 5 mm, mostly finer, 1-2 mm scheelite quite fractured + broken. Note core 42.30m rapidly and suddenly finish "sank".	42.30m MAGNETITE GARNET SKARN strongly foliated, magnetite 40%, granular garnet 25%, epidote (actinolite) to 5%. Trace diopside. Actinolite rich 44.0-44.8, friable and loose, and 46.0-46.4 garnet increases from 40% to 80% as aggregates to 1 cm. Foliation 50°.
				Fresh scheelite, fractured and broken, ≤ 5 mm, many dense aggregates ≤ 1-1.5 cm, generally aligned along foliation planes, many planes coated with fine scheelite. 56.20m	53.10m GARNET MAGNETITE SKARN - garnet, epidote rock, pyroxene, actinolite, andradite, minor grossularite (vesuvianite), diopside, minor magnetite 30%. Band of massive garnet skarn 53.8-54.2m, only minor garnet skarn fracture zone 55.80 to 56.00 and 60° Foliation weak. 30°
				Trace ≤ 0.1% fine scheelite, no weathering. 53.10m	59.20m GRANITE Coarse grained, granitoid, strongly jointed, fractured, weak epidotization of feldspars, minor (1%) disseminated pyrite, 20°
				Base trace fine unweathered scheelite, rare crystals ≤ 1 mm.	63.30m END OF HOLE
				No visible mineralization	

GEOLOGY: Mt | Mt | 70° | g | 40° | Gr

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE: 0.1 a.z. | +2% +3% | 0.2/0.4% | Tr 0.1 | Tr | N/L N/L

% VISUAL SCHEELITE: 0.1 | +2% | 0.2/0.4% | Tr | Tr | N/L

SCALE 1:200: 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED: 0.60 | 0.45 | 0.15 | 0.40 | 1.35 | 1.40 | 2.80 | 1.50 | 1.00 | 1.00 | 1.50 | 0.95 | 1.35 | 1.05 | 1.45 | 1.50 | 1.50 | 0.90 | 0.95 | 0.70 | 1.40 | 1.40 | 0.60 | 1.50 | 1.10

DRILLING INTERVAL: 34.50 | 35.40 | 35.60 | 36.20 | 37.80 | 39.35 | 42.30 | 43.80 | 44.80 | 45.80 | 46.80 | 48.30 | 48.80 | 50.20 | 51.30 | 52.80 | 54.30 | 55.80 | 56.90 | 57.30 | 58.20 | 59.60 | 61.00 | 62.50 | 63.60

Length 63.30m
Azimuth 090° UTM
Dip at Collar 65°
Northing 5425778.4
Easting 397295.9
Elev. 520.5m
O.B. Thickness
B.R. Thickness

Contractor
Core Stored
Casing
Logged by G.C.Wolff Date 28 August 1978
Location
Started 15 August 1978 Finished 17 August 1978
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH238
Project KARA
Area KARA NO 1
Page 2 of 2

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183102

SURVEY	GEOLOGY	MINERALISATION
Depth		
Dip.		
Azimuth		
		NO core recovered - shoulder
	Q	ground, gravelly in a clay matrix, Probably quaternary.
		5.35 QUARTZITE (ORTHO?) Light grey to pale brown, fine grained, massive, NO CORE RECOVERED - shoulder ground, gravelly in a clay matrix, Probably quaternary.
		9.10 MAGNETITE & SERPENTINE - a dark grey, massive, fine grained rock, consisting of finely disseminated magnetite in a serpentine matrix, possibly after olivine. Weak foliation 45°.
M		No visible mineralization Negative U/V response.
		14.00 CLAY - a clay rich rock, trace of weathered pyroxenite, goethite staining on fracture planes. Trace veinlet movement to Hematite. Strong lineation at 45° may be original foliation. Very soft and puggy planing.
C		No visible mineralization Negative U/V response.
		22.60 CLAY - highly weathered chloritic pyroxenite, a brownish yellow goethitic rock with trace of weathered pyroxenite. Strong lineation at 45° trace of relict original foliation at 45°.
C		No visible mineralization. Base trace very fine fluorescence U/V.
		27.00 NEPHELINITE - strongly weathered, brownish yellow goethitic rock, very fine grained with trace of relict original foliation at 45°, trace fine grained magnetite. Rock is clay rich.
M		Rare trace fluorescence. No visible mineralization.
		30.00 CLAY - fine weathered clay rich rock.
C		No visible mineralization
		CLAY - as above goethitic rich, trace relict magnetite.
		No visible mineralization

MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE	5YR4/4	DK. Yellow. brown 10YR 4/2, mod. brown 5YR3/4	Dusky Yellow 5Y6/4 & light olive grey 5Y5/2, mod red mod. brown 5YR3/4
U.V. RESPONSE % SCHEELITE			
% VISUAL SCHEELITE		NIL	NIL
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32		
ASSAYS			
% W			
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
% CORE RECOVERED	NIL 0.15	NIL 0.90 0.30 0.70	NIL 0.95 0.50 0.50 1.02 0.98 1.30 0.80 1.32 1.35 0.95 0.55 1.37 1.02 1.36 1.15 0.45 0.10 0.70 0.55 0.60 0.70 0.10 0.15 0.10
DRILLING INTERVAL	5.35 6.00	9.10 9.45 10.80 11.20	12.00 12.45 13.30 13.80 15.15 15.85 17.20 18.00 19.50 21.15 21.95 23.10 24.05 25.40 27.00 28.35 29.80 31.10 32.45 33.05 33.60

Length 66.80m	Contractor		McINTYRE MINES (AUST) P/L. EXPLORATION DEPARTMENT
Azimuth 088°UTM	Core	Stored	
Dip at Collar 45°	Casing		
Northing 5425778.1	Logged by G.C.Wolff	Date 23 August 1978	
Easting 392796.4	Location		Hole No. DDH 239
Elev. 5206 m			Project KARA
O.B. Thickness	Started 17 August 1978	Finished 20 August 1978	Area KARA NO:1
B R Thickness	Started	Finished	Page 1 of 2

102

5 cm

Depth	Dip	Azimuth	SURVEY

GEOLOGY

CLAY - a clay, or SERICITE, 20-30% magnetite and minor garnet and hematite. Above 37.5m a foliation (30°) parallel rich clay, fissile, laminated gouge, hematite, lith, magnetite remanent. To 43.5m epidote, partly A strongly weathered, in zones of 2cm, angular clay fragments fractured, weathered granodiorite 20% below 40m magnetite. Rock 37.5m. Bottom at 42m pass to weathered sericitised, minor fine silica 43.50m

MAGNETITE GARNET SKARN - 80% equigranular magnetite garnet matrix, 20% quartz veins strongly foliated foliation 75° trace epidote 46.00m

MINERALISATION - 90% GARNET SKARN with 10% disseminated magnetite, 10% quartz veins and 10% calcite, trace epidote, trace pyrite, trace chalcopyrite, weak foliation at 75° 48.20m reduction in magnetite

GARNET MAGNETITE SKARN - a highly weathered fractured clay rich garnet skarn 30% disseminated magnetite, relict magnetite foliation / banding strong, 75°. 53.00m

MAGNETITE GARNET ACTINOLITE SKARN = a strongly banded (80%) magnetite garnet (20%) skarn, 10% fine calcite veining, trace epidote. Slightly weathered 55.60m

GARNET SKARN - andradite garnet 70% 10% grossularite, 10% actinolite and epidote. Strongly banded 1mm to 10cm alternating coarse and fine grained garnet. Foliation 75° Contact at 59.40m foliation 30°, 75°

MAGNETITE GARNET ACTINOLITE SKARN - Strongly banded/foliated coarse to fine magnetite, 60% andradite garnet, 30% grossularite, 5-10% actinolite, trace epidote. Foliation 70° to 75°. Contact at 65.20m 30° to 40° very slightly weathered. At 65.70m 0.15m is no weathering.

EPIDOTE SKARN - fine to medium grained epidote, 5% magnetite, trace garnet. Contact at 66.80m 60° to core axis. END OF HOLE

MINERALISATION

No useable mineralization to 43m fine weathered scheelite, trace only, from 43 - 43.5m

Trace 0.01% fine weathered scheelite remained until tungstite

0.8% Scheelite, strongly fractured, +15% tungstite as rims on shattered fragments, fine coated light tungstite with scheelite remains.

Bare trace fluorescence, no useable mineralization.

Bare trace fluorescence no useable mineralization

No useable mineralization. Bare trace scheelite fluorescence.

Bare trace fine scheelite <0.5m throughout.

No useable mineralization

| | | |

103

183104

5 cm

GEOLOGY	CLAY Soil and weathered rock to 2m, then stiff clay, fragments of quartzite, rare hematite. Trace fine weathered garnet throughout.	CLAY as SHOWN A highly weathered shear, predominantly quartzite with clay, but numerous sericite rich zones, probably clay as above but with quartzite banding/foliation 60-70°. Numerous garnet zones throughout, usually highly weathered quartzite but 5-10% of garnet in matrix of clay. Several dark clay zones 2cm to 30cm, trace related magnetite.	MAGNETITE EPIDOTE GARNET SHEAR A strongly weathered clay rich shear with magnetite 30%, salty patchy tuskaloosa weathered to goethite, up to 40% very strongly weathered & oxidised pale olive clay, grossular garnet 20% trace to 10% of this in andradite. Poorly developed foliation 60-70° Lineations 45-32°.
	6.00m	22.00m	33.50m
MINERALISATION	No visible mineralization. Some trace fluorescence in magnetite fragments	Base trace of fluorescence throughout. Very rare blebs of ? scheelite ? <0.5mm, not visible with hand lens but only in U/V.	0.2% scheelite, fresh but fractured and friable size range <0.5mm to +3mm. Trace fluorescence of tungstite. Few scheelite blebs observed but mostly tungstite as partial alteration rims and as fracture planes
Depth / Dip / Azimuth	6.00	20.00	33.00
SURVEY			
GEOLOGY	C	C	Tm
MINERAL			
STRUCTURE			
COLOUR & COLOUR CODE	DK. red. brown 10R3/4 to greyish red 10R4/2	Brownish black 5YR2/1	Moderate brown 5YR3/4 to 5YR4/4 mottled mod. yellow brown 10YR5/4 to dk. yellow. orange 10YR6/6 — light olive 10Y5/2 to dk. grn. olive 10Y6/6, mottled lt. brown. 5YR 6/6 to dk. yellow orange 10YR6/6.
U.V. RESPONSE % SCHEELITE	Tr	Tr	0.2
% VISUAL SCHEELITE	Nil	Nil	0.2
SCALE			
ASSAYS			
% W			
SAMPLE WIDTH			
TO :			
FROM :			
SAMPLE NUMBER			
SCALE			
% CORE RECOVERED			
DRILLING INTERVAL			

Length 51.00m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5425 778.7
Easting 397 326.6
Elev. 514.6m
O.B. Thickness ____ Started ____ Finished ____
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by E.C.Wolff Date 28 August 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 240
Project KARA
Area KARA NO: 1
Page 1 of 2

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18310

5 cm

GEOLOGY

MAGNETITE GARNET SKARN

Banded magnetite 60%, garnet 25-35%, 5a/5b grossular and andradite. Mt. laths increasing to 60-70% at total garnet from 43m 5% epidote, 5 bleb/oliopsidic as small blebs and patches to 10% strong foliation 60-70° rock some zoning of garnet 1% each type. Magnetite as stringy veinlets to 5cm. Weak fluorescent garnet band 37.3-38.2m. Band 2 cm magnetite at 48.45m, diffuse and limby

49.5m GRANITE - coarse grained, pinkish, equigranular

51.00m END OF HOLE

MINERALISATION

Depth
Dip
Azimuth
SURVEY

coarse unoriented scheelite from 33-36m ± 0.5%

Fresh scheelite throughout from 36-49.5, except in bands from 37.3-38.2 and 48.49, possibly 0.3-0.4% overall but very patchily distributed as blebs and crystals 1 cm

Rare traces fluorescence

| | | |

5 cm

SURVEY										
	Depth									
	Dip									
	Azimuth									

MINERALISATION

No visible mineralization

Bare trace fluorescence, from fine unweathered scheelite.

Bare trace fluorescence No visible mineralization

16.00

+0.8% fresh scheelite to 2–3 mm very slight tungstite development on crystal and fragment boundaries

18.00

23.80

Trace to 0.1% fine fresh scheelite to 1 mm. Trace of tungstite only.

27.20

0.5% fresh scheelite to 2–3 mm.

28.30

Trace to 0.1% fine fresh scheelite throughout.

GEOLOGY

CLAY – soil and weathered clay, less than 1% quartz, organic matter 2.00 m

MAFIC – strongly weathered, unweathered, fine white feldspar, quartz, chlorite, biotite, clay-rich alteration and clay-rich shear zones. Fe-oxide stained 3.30 m

5.30 m

GOETHITE CLAY – a fairly well weathered clay, boulders? Predominantly a clayey goethite rock, goethite as blebs, veins, fracture fillings. Trace of fine unaltered quartz throughout. Trace of chlorite from 18 m; goethite as well developed fracture, cavity fillings, of magnetite

14.85 m

EPIDOTE MAGNETITE GARNET SKARN

A strongly weathered, friable, epidote magnetite rock, trace to 10% grossularite. Magnetite + epidote fairly well developed as relict fragments weathered out

21.05 m

GARNET EPIDOTE SKARN – a grossularite rock, trace to 5% andradite, 20% slightly weathered epidote, 10% magnetite as blebs to 1 cm irregularly throughout. Massive magnetite

29.8 – 30 m

Highly fractured, fragmented rock only slight weathering.

Poor recovery

GEOLOGY	MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE	SAMPLE WIDTH	TO:	FROM:	SAMPLE NUMBER	SCALE	ASSAYS % W	% CORE RECOVERED	DRILLING INTERVAL
C		70°	grey-red 10R4/2	NIL	NIL	2.00				0		0.80	1.00
												0.80	2.00
M		70°	Moderate brown 5YR3/4 to dusky brown 5YR2/2, mottled dk yellow orange 10YR6/6 in goethite rich zones.	Tr	Tr	5.30				4		0.25	2.55
												0.45	3.25
												0.60	4.35
												0.65	5.25
												0.35	6.00
												0.66	6.60
C		70°		Nil	Tr					8		0.60	7.80
												0.52	8.40
												0.15	9.00
												0.75	10.20
												0.75	11.20
												0.70	12.00
												0.85	12.90
										12		1.05	14.05
												0.90	15.00
												1.15	16.20
						16.00						0.70	17.00
												0.10	17.60
												0.30	17.90
												0.30	18.00
Tm		70°	Yellowish grey 5Y7/2 to pale olive 10Y6/2, mottled brownish	Tr	0.1	22.8				16		0.70	18.70
												0.60	19.50
												0.23	20.00
												0.47	21.00
												0.30	21.30
										20		1.45	22.80
												1.20	24.00
												1.50	25.50
												1.50	27.00
												1.10	28.50
												0.70	29.10
												0.80	30.00
										24		0.50	30.50
												1.30	32.20
												1.45	33.70
												0.80	33.60

Length 48.00 m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5425772.2
Easting 387880.7
Elev. 615.3 m
O.B. Thickness ____ Started ____
B R Thickness ____ Started ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 27 August 1978
Location ____

Finished ____
Finished ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 241
Project MYARA
Area MYARA NO 1

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106

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		

| | | |

103

185105

5 cm

Depth	Dip	Azimuth	SURVEY

GEOLOGY

CLAY – 0-2.0 clay loam, hard lumpy fine calcareous nodules, magnetic fragments.
2-7.20 gritty clay, numerous gravel to pebble size fragments, rare calcareous nodules, mixed pink granite.

7.20 GOETHITE CLAY – a continuation of previous clay, rich in goethite, limonite, minor patches of manganese dioxide. Numerous fragments of weathered granite, basalt, quartz. Rare strongly stained granite.

10.00 MARVENITE SKARN – strongly calcareous, magnetic, 50% unaltered garnet, 40% pyroxene, trace sulphides, minor quartz, plagioclase, sphene, fluorite. Rare granite fragments.

18.80 CLAY – 20% calcareous nodules, mostly angular epidote fragments.

20.15 GRANITE – fresh, biotite, epidote, sphene, plagioclase, quartz, orthoclase, fluorite, 40-45% felsic minerals, 10-20% biotite, 5% epidote, 5% sphene, 5% disseminated magnetite. Rare limonite veins.

24.00 MARBLITE & CALCSILICATE ROCK – interbedded, unaltered, consolidated, fine grained, massive, white marble, 40% calcite, 40% diopside, 15% scapolite, 5% sphene, 1% magnetite, 1% pyrite. Rare fluorite veinlets.

MINERALISATION

Rare trace fluorescence to <1.0 mm. Few crystals of fresh scheelite 13-15 mm, fractured but well rounded

15.0 0.3% fresh, fractured scheelite. Rare trace of turquoise alteration along 1 mm mineralization laydown, mostly as 3 mm rounded fragments, a few crystals to 8 mm (415 × 7 × 2.3 mm) in zones 5-10 cm (415 × 7 × 2.3 mm) dense aggregates for scheelite crystals.

23.20 1% fresh scheelite, as beds and crystals to 5 mm, mostly 1-3 mm, few bands of 5 mm fine scheelite, disseminated throughout calcsilicate rock. 0.3% fresh scheelite to 5 mm

26.00 1% fresh scheelite to 5 mm, mostly 1-3 mm. Generally less than 1% + 6%, very finely disseminated.

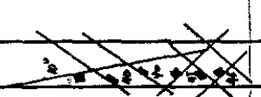
| | | |

108

183109

5 cm

GEOLOGY	grossular 10% very fine epidote. Foliation 600 in thin zone, 80° to 36.50m plane to 36.50m very coarse 35-36.5m weakly banded. EPIDOTE ANDRADITE MAGNETITE SKARN. Partly weathered 'melange' of above minerals, epidote [illegible] Highly fractured 40°-30° [illegible] very fine grained. 38.50m GRANITE - medium grained, [illegible] Epidote rock to 39.5, thereafter [illegible] epidote [illegible] along fracture planes [illegible] 42.00m END OF HOLE
MINERALISATION	as above; 37.50m; Trace fine scheelite <0.5mm on fracture surfaces
SURVEY (Depth / Dip / Azimuth)	
GEOLOGY	65° / 9 65° / E 70° / Gr
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	0.4 / T
% VISUAL SCHEELITE	0.3 / Tr
SCALE	34 36 38 40 42
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.50 0.35 / 1.10 / 1.50 / 1.50 / 1.50 / 0.50
DRILLING INTERVAL	38.50 39.50 / 36.00 / 37.50 / 39.00 / 41.50 / 42.00



Length 42.00m
Azimuth 090° UTM
Dip at Collar 45°
Northing 5425 777.1
Easting 397 401.7
Elev. 514.2
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

Contractor _____
Core _____ Stored _____
Casing _____
Logged by G.C. Wolff Date 1 September 1978
Location _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 242
Project KARA
Area KARA N01
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109

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
				No visible mineralization	No core. Sludge granite - clayey material 2.00m GRANITE - clay-goethite stained quartz 4.00m CLAY - wet, sticky pale white rich clay, no structure. Granite rock chips, trace mica + quartz. Zeolite material 7.5-9.5m Bounded (wet) granite, clay rock chips, trace mica + quartz Few fragments fine grained granite throughout. 13.00m CLAY or SAND - pale white clay, numerous sericite flakes, weakly mineralized. Boundary dark grey chips, trace mica + quartz Abundant dark grey chips, trace mica + quartz, magnetite on foliation Bounded to 1cm clay Trace fine grained granite, possible epidote from 19m 20.00m MAGNETITE EPIDOTE DIORITE SKARN Pale yellow-brown epidote - magnetite skarn, 60% magnetite, minor quartz zone, 10% magnetite. Trace to 15% 10% grossular garnet. Foliation weak, 30° Magnetite 50% weakly foliated, fine grained, epidote, trace quartz, slightly chloritic, epidote veins 28.00m As above - Strongly banded skarn, magnetite slightly weathered. Epidote bands - 1% pale brown garnet 32.5m 34.60m
GEOLOGY					Gr, C, C(FH), Tm, Sk, Tm
MINERAL					
STRUCTURE					
COLOUR & COLOUR CODE					mod. yellow brown 10YR5/4 to dk yellow orange 10YR6/6 | mod yel brn. 10YR6/4 to gray. orange 10YR7/4, mottled red brn. 5YR4/4 | light brown 5YR5/6 to dk. yellow orange 10YR6/6, mottled very dusky red 10R2/2 to dusky brown 5YR2/2 | gray orange 10YR7/4 mottled brownish black 5YR2/1 | as before, to light brown 5YR5/6
U.V. RESPONSE % SCHEELITE					0.7
% VISUAL SCHEELITE					0.4
SCALE					0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
ASSAYS					
% W					
SAMPLE WIDTH					
TO :					
FROM :					
SAMPLE NUMBER					
SCALE					
% CORE RECOVERED					Wt. 1.00 0.40 0.70 1.00 0.50 0.50 0.55 0.15 0.10 0.10 0.25 0.40 0.00 0.30 1.10 0.30 0.95 0.70 0.50 0.45 1.05 0.70 1.65 0.90 0.55 1.00 1.55 1.50 1.50 1.50
DRILLING INTERVAL					2.00 3.00 4.00 5.30 6.00 7.50 8.00 9.00 11.00 12.50 14.00 15.50 17.00 18.50 19.50 20.25 21.00 23.00 23.50 25.50 27.00 29.00 30.50 32.00

Length 48.30m
Azimuth 090° UTM
Dip at Collar 75°
Northing 5625 729·3
Easting 397 309·2
Elev. 525.8
O.B. Thickness ____ Started ____ Finished ____
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C.Wolff Date 3 September 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 243
Project KARA
Area KARA NO 1
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183111

5 cm

Depth	Dip	Azimuth	GEOLOGY	MINERALISATION
			30.60 MAGNETITE ACTINOLITE DIOPSIDE SKARN Strongly foliated 40-50°, magnetite 40-60%, actinolite/epidote 25%, diopside 10%. Trace to 5% grossularite. Slight weathering to 38m, unweathered to 40.60m.	Bare trace fresh scheelite * 2mm.
			40.60m GRANULAR MAGNETITE DIOPSIDE SKARN - rough foliation (trace andradite) 30% disseminated magnetite, minor pyrrhotite, trace chalcopyrite. 43.20m 42.8m	Bare trace fresh scheelite <1mm. Few larger specks on fracture planes in granite.
			43.20 EPIDOTE SKARN - finely banded epidote rock, trace grossularite, minor pyrrhotite, trace chalcopyrite. 45.50m foliation 45°	
			45.50m GRANITE - pink coarse grained porphyritic biotite granite. Jointed (foliated) 40°, 30°	
			48.30m END OF HOLE	

GEOLOGY	30° / Mt / 40° / TR / 50° / E / 45° / Gr
MINERAL	
STRUCTURE	30° / 40° / 40° / 50° / 40° / 30° / 30° / 30°
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Tr / Tr
% VISUAL SCHEELITE	Tr / Tr
SCALE	30 / 36 / 38 / 40 / 42 / 44 / 46 / 48 / 50
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.50 / 1.10 / 0.60 / 0.25 / 1.50 / 1.50 / 1.45 / 1.50 / 1.50 / 1.50 / 1.30
DRILLING INTERVAL	30.60 / 35.85 / 36.10 / 36.35 / 38.35 / 39.85 / 41.00 / 42.50 / 44.00 / 45.50 / 47.00 / 48.30

Length 48.30m
Azimuth 090° UTM
Dip at Collar 75°
Northing 5425 729
Easting 397 309.2
Elev.
O.B. Thickness Started Finished
B.R. Thickness Started Finished

Contractor
Core Stored
Casing
Logged by G.C. Wolff Date 3 September 1978
Location

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 243
Project KARA
Area KARA NO 1
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111

5 cm

SURVEY									
Depth									
Dip									
Azimuth									

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
2.00	NIL							0			Moderate brown 5YR4/4				No visible mineralization.	CLAY - dark goethite-rich clay, numerous magnetite fragments, abundant quartz vs granite. 3.00m
3.00	0.60							2								
3.60	NIL							4	NIL	NIL	light brown 5YR5/6 to mod. yellow brown 10YR5/4					CLAY ex GRANITE pale clay, much Kaolinite, abundant quartz grains, Broken quartz vein 30° at 5.5m
4.15	0.45															
4.75	0.60															
6.00	1.25							6							6.00	6.00m
7.35	1.35							8							No visible mineralization. Bare trace of fluorescence	CLAY ex SKARN - variously mottled clay, numerous goethite frags, few small pieces of relict magnetite 10.5-11.0m hematite after magnetite friable and powdery.
8.90	1.55							10	NIL	Tr	mod. yellow brown 10YR5/4 mottled dusky brown 5YR3/2 to mod. brown 5YR3/6			Tm		
10.50	1.50															
12.00	1.05							12							13.00	13.00m
12.75	0.65															
13.55	0.20							14								MAGNETITE EPIDOTE (?) SKARN
14.05	0.55															A highly weathered clay-rich rock. 50% magnetite, strongly weathered to goethite-hematite. Trace of almost totally oxidized epidote in clay which may be a derivative. Strongly banded 45° at 22m to 60-70° at 26m. Magnetite is crystalline, and bands tend to be crystal aggregates. Bare trace of weathered garnet, may be grossularite.
15.00	0.95															
16.40	0.80							16								
17.00	0.50															
18.00	0.85							18								
19.50	0.75							20	Tr	Tr	as before, patches of dusky brown 5YR2/2 to brownish black 5YR2/1			Mt	Bare trace of fine unoxidized scheelite <1.0mm	
20.10	0.25															
20.50	0.40															
21.00	0.30															
21.50	0.23							22			as before very irregular shading tending to dusky brown - brownish black 5YR2/2					
22.80	0.90															
24.00	0.25							24								
24.60	0.60															
25.00	0.25														26.00	
25.80	0.40							26							0.20m fresh crystalline scheelite 26.3-26.5m in clay-goethite rock. 0.1% fresh scheelite throughout to 1mm.	
26.20	0.60															
26.30	0.35															
27.60	0.20							28	0.1	0.1						28.00m
28.20	0.60															MAGNETITE ACTINOLITE EPIDOTE SKARN
28.80	0.40															slightly weathered crystalline friable magnetite 70%, actinolite, epidote 30%, moderately [illegible] weathered, actinolite [illegible] a friable clay retaining mineral structure, epidote [illegible]
30.00	1.20							30						Mt	30.00m	
31.50	[illegible]							32	0.6	1.0					Coarse scheelite to 2.5cm, but mostly <5mm. Few small crystals weathered to tungstite, rims on larger, highly fractured crystals, but overall ± 10% weathering	
32.00	1.50							34								

Length 52.5m
Azimuth 090°
Dip at Collar 45°
Northing 5425729.3
Easting 7310.0
Elev. 525.5
O.B. Thickness
B R Thickness

Contractor
Core
Casing
Logged by [illegible]
Location
Started
Started

Stored
Date
Finished
Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No.
Project
Area
Page of

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112

5 cm

SURVEY	MINERALISATION	GEOLOGY
Depth		
Dip		
Azimuth		
	35.00m 0.8% fine scheelite & 3m; fluorescence reddish blue. Base base of tungstite alteration; bad scheelite highly fluorescent, very friable.	clay. Trace fractured garnet from 39m. Possibly andradite. Weak foliation 60°, jamb-up/kaolinite 30-40°.
	40.00m	40.00m EPIDOTE MAGNETITE GARNET SKARN Friable partly weathered epidote, slightly clayey, 60% & 20-30% magnetite, irregularly disseminated blebs/grains. 10-20% granular/anhedral garnet (sp/iso) as irregular blebs and veinlets. Zone of 30-50% magnetite from 42m; weak foliation 60°.
	Trace of fine unmineralised scheelite throughout	46.70m EPIDOTE SKARN = weakly oxidised, slightly clayey. 5-10% disseminated fine magnetite, trace of sulphides, rare granular quartz, trace scheelite.
		50.00m GRANITE = coarse granular, porphyritic, weakly epidotised. Weakly magnetic.
		52.50m END OF HOLE

MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	1.0 | 0.8 | Tr
% VISUAL SCHEELITE	0.6 | 0.5 | Tr
SCALE 1:200	34 36 38 40 42 44 46 48 50 52 54
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.35 | 0.65 | 0.90 | 0.80 | 0.95 | 1.45 | 0.75 | 0.50 | 0.55 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
DRILLING INTERVAL	35.00m | 36.65m | 37.55m | 38.45m | 39.25m | 40.70m | 42.15m | 42.90m | 43.40m | 43.95m | 44.50m | 45.50m | 46.50m | 47.50m | 48.50m | 49.50m

Length 52.5m
Azimuth
Dip at Collar 45°
Northing 5425729
Easting
Elev.
O.B. Thickness — Started — Finished
B R Thickness — Started — Finished

Contractor
Core — Stored
Casing
Logged by — Date
Location

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No.
Project
Area
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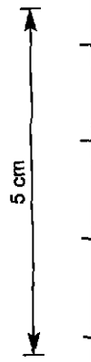

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
					CLAY - not sorted. clay and below, hard humus, fair, ... finish 1.0m.
					4.80m CLAY - Low dry clay, trace fine magnetite throughout. Few komatiitic ground and highly weathered magnetite/pyroxenite. 12.15-12.85m clay as magnetite & chlorite, highly weathered pyroxenite and with reduced magnetite.
					12.85m GRANULAR SHARP grading to gritty pyroxenite-clay, trace 14.60m reduced magnetite. Foliation 120°
					GARNET NEEDLETITE DIOPSIDE SKARN Highly weathered, jointed - fissured rock, abundant white clay. Relict magnetite throughout, fresh magnetite in 15-17m and 19.0-19.5m, coarsely crystalline, friable clay may be derived from pyroxene. Foliation 060° 21.0-22.20m massive granular - komatiitic vein.
					22.20m GARNET NEEDLETITE EPIDOTE SKARN Roughly banded (050) magnetite, 50% granular 20% epidote 25%, 5% disperse and acicular. Highly fractured in parts with zones, many slightly vuggy having of epidote/actinolite. Trace fine pyrite throughout.
					27.60m GARNET EPIDOTE SKARN Fine grained granular, epidote, 10% magnetite as irregular blebs to 1cm. Few veinlets 2-5cm, 5-10% disperse with fractures 45-50°. Weak foliation 45-50°.
				Bare traces of fluorescence. No visible scheelite.	
				Bare traces of fluorescence. No visible scheelite	
				0.4% fresh unaltered scheelite to 2mm, finely disseminated throughout. Rare fragments to 4mm	
				0.2% finely disseminated fresh scheelite, <1mm, few rare blebs and crystals to 8mm, strong blue-white fluorescence	
				0.4% fresh unaltered scheelite to 2mm, few blebs to 5mm, strong blue-white fluorescence	

GEOLOGY					
MINERAL					
STRUCTURE					
COLOUR & COLOUR CODE		moderate brown 5YR3/4 to 5YR4/4	light brown 5YR5/6 to med. brown 5YR3/4. magnetite rich areas dusky brown 5YR2/2		
U.V. RESPONSE % SCHEELITE		Tr	Tr	0.4	0.2 / 0.4 / Tr
% VISUAL SCHEELITE		Nil	Nil	0.2	0.1 / 0.2 / Tr
SCALE 1:200		0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34			
ASSAYS					
% W					
SAMPLE WIDTH					
TO :					
FROM :					
SAMPLE NUMBER					
SCALE					
% CORE RECOVERED					
DRILLING INTERVAL					

Length 40.40m
Azimuth 090° UTM
Dip at Collar 45°
Northing 7426.76
Easting 5777.43
Elev. 513.8
O.B. Thickness ____ Started ____ Finished ____
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by G.C. Wolff Date 5 September 1978
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DDH 245
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183115

5 cm

GEOLOGY	34.60m As above. EPIDOTE SKARN amphibole epidote rock, trace grossular garnet, quartz. Few magnetite blebs, particularly 37.5 to 39.4m. Weak foliation 45°. 39.40m GRANITE — very highly selected [illegible] 40.40m epidotized trace magnetite & 32.8m. END OF HOLE
MINERALISATION	Bare trace scheelite fluorescence. No visible mineralization.
SURVEY	Depth / Dip / Azimuth
GEOLOGY	45° / [illegible] / [illegible]
MINERAL	
STRUCTURE	45°
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Nil Tr
% VISUAL SCHEELITE	
SCALE	34 36 39 40
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	[illegible]

Length 40.40m
Azimuth 090° UTM
Dip at Collar 45°
Northing 7426.76
Easting 5777.43
Elev. 513.8
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

Contractor _____
Core _____ Stored _____
Casing _____
Logged by G.C Wolff Date 5 September 1978
Location _____

McINTYRE MINES (AUST) P./L.
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Hole No. DDH 245
Project KARA
Area KARA NO. 1
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183116

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization.	CLAY – kaolinite - rich clay; numerous fragments of weathered magnetite 3.80m MAGNETITE SKARN – clay - goethite, abundant relict magnetite, fine grained, relatively unweathered. Trace garnet and epidote around 7m 7.00m CLAYEY SKARN fine grained homogeneous clay, few relicts of micro fluorescent. Few zones of 10.5m contain angular quartz. Possible foliation 45-50° a.c.a. 11-12m 14.00m CROSSCUTTING EPIDOTE MINERALIZED STRINGERS at 45° a.c.a.
				Base of clayey skarn fluorescence. No visible mineralization	16.00m WEATHERED MAGNETITE SKARN – Banded – foliated (60°) massive, partly weathered to 20m, fine grained, minor epidote and grossular garnet. Weak foliation, few relict crisp zones along foliation, few bands to 1-2 cm. Trace of actinolite throughout
				0.1% fine unoxidized scheelite, <1mm, few crystals to 2mm.	23.50m
				0.2% fine unoxidized scheelite, few crystals to 3mm, mostly <1mm	GARNET MAGNETITE EPIDOTE SKARN – Roughly banded, unweathered. Garnet 50% to 70% magnetite, epidote, grossular. Foliation consistent at 60°. Epidote increases from 5m to 27m. Foliation 60°, down to 30° at 29m 27.50m
				Tr–0.1% fine scheelite <1mm	30.10m EPIDOTE SKARN – Banded to massive, fine grained, medium grained garnet, epidote, minor magnetite. Foliation 30° a.c.a.
				Base of massive fine scheelite.	

| | | | |

116

18511

5 cm

| | | |

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				No visible mineralization	CLAY ss SHALE numerous fragments of ferruginised clay/shale, mostly dk red/purple, some lt grey/green, occasional quartz veining. 1.00m QUARTZITE - SANDY CLAY ss fine grained equigranular quartz, 5-30% grey/green clay matrix, occasional pyrite, occasional fragments of clay/shale. 2.00m CLAY SHALE ss - generally massive, grey/green, occasional quartz veining. 2.60m SANDY CLAY ss fine clayey sandstone, some manganese, possibly silicified, occasional quartz veining. Rounded clay pebbles may be fragments of shale. Fine pebbles, mainly quartz. 3.00m MICACEOUS CLAY ss fine micaceous clay, mottled, abundant fine mica throughout, some medium grained quartz. Poor sorting. Fragments of shale. Fresh granitic boulder recovered at 19.80m, very highly weathered. Total depth 20.70m. Diamond drilling ceased 19.75m. Drawing Line. MAGNETITE GARNET SKARN - coarse, banded, foliated ss, slightly weathered, 5-10% magnetite 70%, garnet 20%, diopside / epidote + tr% feldspar, plus 30-100% limonite. 26.00m GARNET DIOPSIDE WOLLASTONITE SKARN Poorly laminated 70% blocky, highly fractured, slightly weathered, fine to medium grained, calcareous skarn, garnet + diopside + wollastonite + tr% feldspar, epidote minerals from 30m ± 10%. 31.50m EPIDOTE QUARTZ SKARN - fine grained, granular, 40% quartz, 40% epidote, 20% garnet, fine to medium grained, occasional fragments of clay/shale, an epidote altered	Base trace of fine scheelite, few unoxidised blebs 1% max.	Base trace fine unoxidised scheelite.	No visible mineralization
GEOLOGY					
MINERAL					
STRUCTURE					
COLOUR & COLOUR CODE					red brown 5YR3/4 to 5YR4/4	Amadeus, mottled dk yellow orange 10YR6/6	dk yellow orange 10YR6/6 to dk yellow orange 10YR6/8	light olive brown 5Y5/6 to dk yellow orange 10YR6/6
U.V. RESPONSE % SCHEELITE					NIL	NIL	NIL	NIL	Tr	Tr	NIL
% VISUAL SCHEELITE					NIL	NIL	NIL	NIL	Tr	Tr	NIL
SCALE 1:200					0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS					
% W					
SAMPLE WIDTH					
TO :					
FROM :					
SAMPLE NUMBER					
SCALE					
% CORE RECOVERED					NIL 1.50 0.30 NIL 0.35 NIL 1.50 0.60 1.50 0.80 1.50 0.55 1.50 0.10 1.50 0.55 1.50 0.60 1.50 1.15 1.50 1.05 1.50 1.50 1.50 0.115 1.50 1.30 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 0.70
DRILLING INTERVAL					0m 1.50m 2.00m 2.35m 2.60m 3.10m 4.60m 5.60m 6.60m 7.20m 8.20m 9.60m 10.20m 11.20m 12.80m 13.80m 15.60m 16.60m 18.10m 19.60m 21.10m 22.60m 24.10m 25.60m 27.10m 28.60m 30.10m 31.60m 33.30m

5 cm

Length 36.0m
Azimuth 090°
Dip at Collar 45°
Northing 5778.1
Easting 7474.38
Elev. 509.2
O.B. Thickness ____ Started ____ Finished ____
B R Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by ____ Date ____
Location ____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. ____
Project ____
Area ____
Page 1 of ____

118

183119

5 cm

| | | |

119

5 cm

GEOLOGY	CLAY or BASALT - numerous fragments of weathered basalt, minor sharn, veined garnet 4.00m QUARTZ BASALT - Strongly weathered to clay with numerous fresh fragments to 3cm, rotten vein quartz fragments. Jointed 45° and 40° 13.00m CLAY or SHALE - Soft white-pink clay, numerous weathered magnetite fragments May be shear zone at 13.30m, numerous fragments 15.30m Pebble GARNET SKARN - massive green/tan skarn, highly fractured, partly weathered, 5% disseminated magnetite throughout 18.20m MAGNETITE GARNET DIOPSIDE SKARN Banded, 80% magnetite, 20% [illegible] ±10% [illegible] 5% [illegible] 5% [illegible] lens. Lab from 25m, [illegible] Magnetite in small [illegible] Disrupted - rich zones, numerous [illegible] strongly weathered at 22.40m, magnetite [illegible] Serpentine/clay, some garnet/talc [illegible] Boundary/alteration 60-70° 28.60m DIOPSIDE GARNET MAGNETITE SKARN Diopside 50%, grossular garnet, magnetite as massive bands to 1cm and [illegible]
MINERALISATION	No visible mineralization. Negative U/V response No visible mineralization. Base ± U/V fluorescence
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	C(B) B C(T) 60° MT 60° T
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	NIL NIL
% VISUAL SCHEELITE	NIL NIL
SCALE /:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	NIL NIL 0.60 0.30 0.10 0.30 0.10 0.30 0.35 NIL 0.30 0.25 0.20 0.20 0.15 0.35 0.80 0.50 0.70 0.30 0.50 0.55 0.70 0.30 0.90 1.45 1.30 1.50 1.05 1.35 0.80 0.70 1.50 1.45 1.50 1.40
DRILLING INTERVAL	2.00 3.00 4.00 4.30 5.00 5.20 5.50 7.00 7.50 8.00 8.55 9.00 9.60 10.15 10.70 12.00 13.00 13.70 14.30 15.00 15.85 16.55 17.00 18.00 19.50 20.80 22.40 24.00 25.50 26.20 27.00 28.50 30.00 31.50 33.00

Length 52.5m
Azimuth 090°
Dip at Collar 45°
Northing 5779.2
Easting 7494.6
Elev. 511.2

Contractor
Core Stored
Casing
Logged by G.C.L. Date 7/[illegible]
Location

O.B. Thickness Started Finished
B R Thickness Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. DN[illegible]
Project
Area

Page 1 of [illegible]

183121

120

5 cm

GEOLOGY	Foliation 65°. Epidote increases downward from 38m. Fresh, unweathered, to 30m, then moderate to strong weathering throughout, core leached, hardened, much clay developed from epidote and diopside. 42.50m MAGNETITE EPIDOTE GARNET SKARN slightly weathered, 70% magnetite, 20% epidote, 10% grossularite. Epidote increases to 30%, nogging from 45m. Strong foliation 45° throughout. 47.10m EPIDOTE SKARN - crystalline epidote, trace to 5% granite, 5% finely disseminated magnetite throughout. Foliated 45°, no weathering. 51.70m 52.50m END OF HOLE
MINERALISATION	No visible mineralization. Bare trace of fine scheelite in U/V.
SURVEY	Depth / Dip / Azimuth
GEOLOGY	T 60° / Mt 65° / QF 45° / [illegible]
MINERAL	
STRUCTURE	[illegible]
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	Tr
% VISUAL SCHEELITE	NIL
SCALE 1:200	34 36 38 40 42 44 46 48 50 52 54
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.30 0.50 0.90 1.00 0.90 0.40 1.40 0.50 0.30 0.05 0.75 0.90 1.00 1.50 1.50 1.50 1.50 1.50
DRILLING INTERVAL	34.50 35.10 36.00 37.00 37.90 38.00 40.50 42.00 42.30 43.70 43.10 44.00 45.00 46.50 48.00 49.50 51.00 52.50

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing 5779.2 Logged by _____ Date _____

Easting 7494.6 Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. DDH 2-2

Project _____

Area _____

Page _____ of _____

183122

121

5 cm

SURVEY	Depth	Dip	Azimuth	MINERALISATION	GEOLOGY
				1.50 No visible mineralization.	CLAY mineralogy confirmed by XRD. Kaolinite-illite-chlorite-quartz-feldspar assemblage.
				Base trace of very fine scheelite (Q) in Q/V.	1.80m MAGNETITE-Q-SKARN - a dark-green, rock, skarn, composed of 25-30% magnetite, 30-40% highly weathered mafic minerals, fine Q, crystalline Q veins, clay alteration from 13.50m, moderate decreasing to 20%. Trace of weathered garnet (grossular) throughout. Generally strong over a few centimetres. Rough, inclined foliation / fracturing 70° to core axis.
				12.00 Trace (<0.1%) fine scheelite (Hübnerite) in quartz veinlets & 3mm and rare pinpoint films; no oxidation of scheelite.	15.50 MAGNETITE GARNET EPIDOTE SKARN Rough banded 60-70° mineralized (60%) grossular (30%) epidote (10%) skarn. Massive garnet bands 20-30% 24.2-25.6m, weak finely disseminated magnetite 5%, cpx late 10%. Epidote increases to 15-20% from 30m, trace to 3-4% biopsides weakly oxidized to 17m, epidote partly weathered to goethite with clay.
				0.1% fine scheelite through quartz veinlets, few pinpoint films & 5mm quartz-calcite veinlets, few hübnerite, trace scheelite in skarn.	31.20 GARNET MAGNETITE SKARN garnet-weak skarn, 70% massive grossular with 20% c-fracturing.

| | | | |

122

183123

5 cm

GEOLOGY	blebs to 2-3cm magnetite 20%, few bands to 10cm, mostly disseminated. Dip parts ±10%, trace of epidote, to 3% from 34m. Foliation 60-70°, poorly developed. 37.00m EPIDOTE SKARN - trace quartz, pyrite GRANITE - med. grained, slight epidote 30.00m ation. Foliated 40-50°. END OF HOLE.
MINERALISATION	As above. 36.00 Bone trace of fine scheelite throughout.
SURVEY	Depth / Dip / Azimuth
GEOLOGY	QE Gr
MINERAL	
STRUCTURE	60 / 70 / 65 / 70
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	0.4 / Tr
% VISUAL SCHEELITE	0.3 / Tr
SCALE 1:200	34 36 38 40
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	0.80 0.70 0.40 0.30 0.15 0.90
DRILLING INTERVAL	34.60 35.40 36.00 36.40 37.50 39.00

Length _____ Contractor _____
Azimuth _____ Core _____ Stored _____
Dip at Collar _____ Casing _____
Northing _____ Logged by _____ Date _____
Easting _____ Location _____
Elev. _____
O.B. Thickness _____ Started _____ Finished _____
B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. _____
Project _____
Area _____
Page _____ of _____

123

183124

5 cm

GEOLOGY

MINERALISATION

Depth

Dip

Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length

Azimuth

Dip at Collar

Northing

Easting

Elev. 482.9

O.B. Thickness Started Finished

B R Thickness Started Finished

Contractor

Core Stored

Casing

Logged by Date

Location

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No.

Project

Area

Page of

124

183125

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by D.S Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. 250

Project _____

Area _____

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125

183126

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

4	85·0	82·0	41·0

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth 090 grn Core _____ Stored _____

Dip at Collar _____ ° Casing _____

Northing 3926·7 Logged by _____ Date _____

Easting 7479·5 Location _____

Elev. 487·8

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

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126

183127

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page _____ of _____

12'

183128

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing 5899.6 Logged by _____ Date _____

Easting 7470.7 Location _____

Elev. 490.1

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page 1 of 1

128

183129

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

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129

183130

5 cm

SURVEY	Depth	Dip	Azimuth

GEOLOGY	Surface [illegible] Wallaroo Gneiss & Schist [illegible] MASSIVE GROSSULAR SKARN STONES. Veined Epidote Garnet Skarn [illegible] CALCITE [illegible]
MINERALISATION	Specks under UV only 1.60m; 2.40m; 4.50m; This unit contains Trace of [illegible] 7.20m; 9.55m; 10.25m; [illegible] 16.55m; 17.30m
GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	10YR 4/2; 10YR 3/2; 10YR 3/2; 5YR 4/4; 10YR [illegible]
U.V. RESPONSE % SCHEELITE	[illegible]
% VISUAL SCHEELITE	[illegible]
SCALE	0 2 4 6 8 10 12 14
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	0 2 4 6 8 10 12 14 16 18
% CORE RECOVERED	0.41; 0.5; 1.15; 1.18; 1.08; 1.5; 1.5; 1.05; 0.95; 0.65; 0.35; 0.3; 0.65; 0.55; 0.60; 1.10; 0.70; 0.70
DRILLING INTERVAL	1.0; 1.6; 2.5; 4.0; 5.10; 5.50; 7.0; 8.5; 9.55; 10.25; 11.5; 12.4; 13.2; 14.5; 15.1; 16.2; 16.9; 17.3

Length 17.3m
Azimuth 090 [illegible]
Dip at Collar [illegible]
Northing 5930.9
Easting 75042
Elev. 494.6
O.B. Thickness _____ Started _____ Finished _____
B.R. Thickness _____ Started _____ Finished _____

Contractor _____
Core _____ Stored _____
Casing _____
Logged by DFD Date [illegible]
Location [illegible]

McINTYRE MINES (AUST) P./L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project [illegible]
Area _____
Page 1 of _____

130

18313

5 cm

Depth	Dip	Azimuth	SURVEY	MINERALISATION	GEOLOGY
				Trace of fine blebs of Fluorescence	Granite (Pegmatite) banded Amphibole and Biotite
				Mineral assoc of trace Scheelite Fluorite Pyrite Tremolite Hb	Banded Amphibole Biotite Granite Pegmatite Fluorite
				Trace of CS at 12.80 m Depth	Pegmatite Granite Schist
				Very weak 1-2mm Massive Scheelite & abundant Pyrite Minor Hb	White-Pink Pegmatite Schist & Amphibole
				Trace	Crudely Banded Pegmatite Granite Aplite
				01 to 02 very fine occasional large crystal	Pegmatite Granite Aplite

GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	SYR 8/6 Light Brown
U.V. RESPONSE % SCHEELITE	17 | 8.0 | 20 | 20 | 90-50 | Tr 01 | Trace | 01 02 | Tr
% VISUAL SCHEELITE	5-10 | Abund | Abund
SCALE	
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	0
% CORE RECOVERED	0.55 | 0.42 | 0.3 | 1.01 | 1.34 | 1.09 | 0.92 | 0.70 | 0.65 | 2.47 | 1.16 | 0.34 | 2.7 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.48 | 1.62 | 1.31 | 0.20 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 0.7
DRILLING INTERVAL	1.0 | 2.0 | 3.0 | 4.5 | 6.0 | 7.5 | 7.92 | 8.45 | 9.0 | 11.6 | 11.9 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.9 | 24.2 | 24.5 | 25.5 | 27.0 | 28.5 | 30.0 | 31.5 | 33.0 | 34.6

Length 32.20
Azimuth [illegible]
Dip at Collar [illegible]
Northing [illegible].3
Easting 397495.5
Elev. 4946
O.B. Thickness ____ Started ____ Finished ____
B.R. Thickness ____ Started ____ Finished ____

Contractor ____
Core ____ Stored ____
Casing ____
Logged by DFT Date 8/10/[illegible]
Location KARA OPEN PIT (FAR EAST EXT.)

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. 254
Project [illegible]
Area ____
Page 1 of 1

131

183132

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 0

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE 0

% CORE RECOVERED

DRILLING INTERVAL

Length 31.0m
Azimuth
Dip at Collar
Northing 5991.1
Easting 7394.9
Elev. 476.7
O.B. Thickness Started Finished
B R Thickness Started Finished

Contractor
Core Stored
Casing
Logged by DFD Date 4/10/75
Location

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No.
Project
Area
Page 1 of 1

132

5 cm

SURVEY	Depth								
	Dip								
	Azimuth								

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
[illegible]	1.0								[illegible]	0				C	[illegible]	[illegible]
4.5	0.3														4.4m	[illegible]
[illegible]	0.96								[illegible]	0				C	5.7m	[illegible]
[illegible]	0.32															[illegible]
6.6	0.4															
[illegible]	0.52													VMT		
[illegible]	[illegible]								[illegible]	0					9.6m	
[illegible]	1.15															
[illegible]	[illegible]													VT		
[illegible]	0.5[illegible]									0						
[illegible]	[illegible]														12.40m	
[illegible]	0.56														12.6m	
13.9	1.23														0.1% as fine disseminated Unidentified scheelite, the [illegible] crystal up to 1mm	[illegible]
15.0	1.10															
[illegible]	1.50								[illegible]	[illegible]						
[illegible]	1.50														17.5m	
19.5	1.50								[illegible]	0.1%					[illegible] 0.2% [illegible] 1m [illegible] 17.5 - 18.5m [illegible] indications of [illegible]	
21.0	1.50															
22.5	1.50															
[illegible]	1.50															
[illegible]	1.0									0.5%						
[illegible]	1.50															
[illegible]	1.50									Tr					26.2	
29.0	0.50														29.0m	

[illegible]

Quartz, Epidote [illegible] 5% [illegible]

END OF HOLE

[illegible] 0.2m at end of hole

Length [illegible]
Azimuth [illegible]
Dip at Collar [illegible]
Northing 5980.4
Easting 7427.3
Elev. 476.0
O.B. Thickness
B.R. Thickness

Contractor
Core
Stored
Casing
Logged by
Date
Location
Started
Finished
Started
Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project
Area
Page 1 of 1

183133

183134

133

5 cm

GEOLOGY	
MINERALISATION	
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE	
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing 5980 Logged by _____ Date _____

Easting 7447.4 Location _____

Elev. 476.1

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page 1 of 2

134

183135

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

Trace only

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page 2 of _____

18136

135

5 cm

| | | |

136

5 cm

SURVEY			
Depth	SURFACE		70M
Dip	50°		50°
Azimuth			

DRILLING INTERVAL	% CORE RECOVERED	SCALE	SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS % W	SCALE	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	MINERALISATION	GEOLOGY
1.80	No [illegible]	0						0	No visible indication of scheelite	Bare trace only	Mottled pale brown - red - yellow 5YR 5/6 to 10 R 5/4			C	Bare trace of very fine scheelite only visible under U.V. light.	CLAYS Soft [illegible] clays [illegible]
3.0	0.8	2						2								
4.7	1.09	4						4								
5.6	0.9	6						6								
6.2	0.40	6						8								
6.5																
7.0	0.64															
7.6																
8.25		8						8								
9.0																
9.6																
10.2	0.96	10						10						WT		
10.8																
11.4																
12.0	0.46	12						12								
13.5	1.05	14						14								
15.0	0.94															
16.5	0.98	16						16								
18.0	1.61	18						18								
19.5	1.50															
21.0	1.50	20						20				45°		M	21.0M 21.7M	[illegible] small patch of black [illegible] partially [illegible] [illegible] indicate a [illegible] [illegible] [illegible] [illegible] [illegible] Magnetite [illegible] [illegible]
22.5	1.50	22						22								
24.0	1.50	24						24						WT		
25.5	1.50	26						26				45°				
27.0	1.50															
28.5	1.50	28						28						J	28.5M 28.7M	small band of massive [illegible] [illegible] [illegible]
30.0	1.46	30						30								
31.5	1.15													WT		Mottled [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
32.0	1.25	32						32		Trace					32.6M	

Length ___ 70.10m
Azimuth ___ 090.10m
Dip at Collar ___ 50°
Northing ___ 5895.3
Easting ___ 7304.5
Elev. ___ 501.8
O.B. Thickness ___ Started ___ Finished ___
B.R. Thickness ___ Started ___ Finished ___

Contractor ___
Core ___ Stored ___
Casing ___
Logged by [illegible] Date [illegible]
Location ___

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No. [illegible]
Project [illegible]
Area [illegible]

Page 1 of 3

183137

137

183138

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length 300

Azimuth

Dip at Collar

Northing

Easting

Elev.

O.B. Thickness Started Finished

B.R. Thickness Started Finished

Contractor

Core Stored

Casing

Logged by Date

Location

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. 250

Project

Area

Page 2 of 3

138

183139

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

139

183140

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length

Azimuth

Dip at Collar

Northing

Easting

Elev.

O.B. Thickness

B.R. Thickness

Contractor

Core

Stored

Casing

Logged by

Date

Location

Started

Finished

Started

Finished

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No.

Project

Area

Page

of

185141

140

5 cm

GEOLOGY

MINERALISATION

Depth

Dip

Azimuth

SURVEY

Only 2 patches of large crystalline scheelite one at 59.5m the other at 66.5m

180m.

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length

Azimuth

Dip at Collar

Northing

Easting

Elev.

O.B. Thickness

B.R. Thickness

Contractor

Core

Stored

Casing

Logged by

Date

Location

Started

Finished

Started

Finished

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No.

Project

Area

Page

of

141

183142

5 cm

GEOLOGY	
MINERALISATION	
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE	
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	1.5 / 1.3 / 1.2 / 1.5
DRILLING INTERVAL	19.0 / 20.4 / 20.5 / 22.0

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page 3 of ?

142

183143

5 cm

GEOLOGY	MOT CORED. Sludge [illegible] Sand overburden, [illegible] 5-20m in [illegible] gneiss/schist GOETHITE CLAY on [illegible] Pale [illegible], sandy, micaceous clay with numerous angular [illegible] of country rock. Probably [illegible] Hexagonal. Very [illegible] fine-grained [illegible] 12.5m - 13.2m [illegible] with [illegible] Trace fine reddish [illegible] Hexagonal. Weak [illegible] 60°. [illegible] [illegible] SWEDEN - [illegible] [illegible] with [illegible] [illegible] [illegible]

143

183144

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

144.

18314S

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

Bone lines scheelite fluorescence

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE
mod. yellow. brown 10YR5/4 to dk yellow. orange 10YR6/6	TV	NIL
mod brown 5YR3/4 to dk yellow brown 10YR3/2, locally blackish red 5R3/2	0.4	0.2
Dusky brown 5YR2/2 to very dusky red to locally blackish red 5YR2/2	TV	TV
Dk yellow orange 10YR6/6 to mod. yellow. brown 10YR5/4, locally grey orange 10YR8/2		

SCALE 1:200

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length 42.6

Azimuth

Dip at Collar

Northing 5729.7

Easting 7271.4

Elev. 527.1

O.B. Thickness Started Finished

B.R. Thickness Started Finished

Contractor

Core Stored

Casing

Logged by Date

Location

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No.

Project

Area

Page of

145

183146

5 cm

| | | |

146

183147

5 cm

GEOLOGY	CLAY – soft clayey overburden (?) Composed of weathered material Only a few fragments of rock were seen in the cuttings. 4.20m GOETHITE CLAY – ex schist. Soft, yellow, sandy clay, Most fragments are Rock is weathered to clay, Schist is very weathered to clay, 11.00m 16.00 21.00 27.00 GRANULITE GNEISS – Banded rock, 50–60% green Rock is fine grained, Few veins of 10 cm mostly Trace of magnetite. Trace of Pyrite / chalcopyrite with MAGNETITE EPIDOTE GARNET GNEISS Banded rock, 50–60% green RO-FG, epidote ± 10% Few veins of 10 cm mostly trace of magnetite. Trace of Pyrite / chalcopyrite with GRANULITE GNEISS Strongly banded green and pale Trace chalcopyrite to 3m, Rock is fine grained, Pyrite / chalcopyrite Hairy band Foliation 60° MAGNETITE EPIDOTE GARNET GNEISS Strongly banded green and pale Trace chalcopyrite to 3m, Rock is fine grained, Pyrite / chalcopyrite Hairy band Foliation 60° 28.50 Strongly banded green and pale Trace chalcopyrite to 3m, Rock is fine grained, Pyrite / chalcopyrite Hairy band Foliation 60° Trace of fine scheelite fluorescence 20.0 0.1% fine scheelite to 2 mm 0.1 < 1.0 m 23.0 5–5% fine scheelite, few crystals to 5 mm, mostly < 1 mm 28.0 Rare band of fine scheelite, mostly on band planes
MINERALISATION	
Depth / Dip / Azimuth	
SURVEY	
GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	Moderate brown 5YR3/4 to 5YR4/2 Dusky yellow 5YR6/4 to pale brown Dusky yellow 5Y6/4 to 10YR6/2 Moderate yellow brown 10YR5/4 to Brown 10YR4/2
U.V. RESPONSE % SCHEELITE	Tr 0.1 0.6 Tr
% VISUAL SCHEELITE	Tr 0.1 0.6 Tr
SCALE 1:200	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	

Length 37.6 m
Azimuth
Dip at Collar
Northing 5729.8
Easting 7401.9
Elev. 527.8
O.B. Thickness
B R Thickness

Contractor
Core Stored
Casing
Logged by Date
Location
Started Finished
Started Finished

McINTYRE MINES (AUST) P/L.
EXPLORATION DEPARTMENT

Hole No.
Project
Area
Page of

147.

183148

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY	
MINERAL	
STRUCTURE	
COLOUR & COLOUR CODE	
U.V. RESPONSE % SCHEELITE	
% VISUAL SCHEELITE	
SCALE 1:200	34 36 38
ASSAYS	
% W	
SAMPLE WIDTH	
TO :	
FROM :	
SAMPLE NUMBER	
SCALE	
% CORE RECOVERED	
DRILLING INTERVAL	

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B R Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

148

183149

5 cm

GEOLOGY	CLAY - kaolinite-rich clay, abundant alluvial magnetite, multi-angular fragments of granitic basement [illegible] From [illegible] zone, kaolinite mostly kill-size debris, possibly in [illegible] Basement 10.20m QUARTZ BRECCIA - SILICIFIED [illegible] 10.80 MAGNETITE SKARN - a fine-[illegible] equigranular, [illegible] altered [illegible] From [illegible] a goethite [illegible] weathered magnetite to 66.0m [illegible] Remains by [illegible] through [illegible] 21.00m MAGNETITE SKARN [illegible] Generally [illegible] [illegible] [illegible]

149

183150

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE 1/250

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____

150

183151

5 cm

GEOLOGY

MINERALISATION

Depth

Dip

Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length

Azimuth

Dip at Collar

Northing 5617.7

Easting 7372.0

Elev. 505.8

O.B. Thickness Started Finished

B R Thickness Started Finished

Contractor

Core Stored

Casing

Logged by Date

Location

McINTYRE MINES (AUST) P/L.

EXPLORATION DEPARTMENT

Hole No. DDH 26

Project

Area

Page of

151-

183152

5 cm

GEOLOGY

MINERALISATION

Depth | Dip | Azimuth

SURVEY

GEOLOGY

MINERAL

STRUCTURE

COLOUR & COLOUR CODE

U.V. RESPONSE % SCHEELITE

% VISUAL SCHEELITE

SCALE

ASSAYS

% W

SAMPLE WIDTH

TO :

FROM :

SAMPLE NUMBER

SCALE

% CORE RECOVERED

DRILLING INTERVAL

Length _____ Contractor _____

Azimuth _____ Core _____ Stored _____

Dip at Collar _____ Casing _____

Northing _____ Logged by _____ Date _____

Easting _____ Location _____

Elev. _____

O.B. Thickness _____ Started _____ Finished _____

B.R. Thickness _____ Started _____ Finished _____

McINTYRE MINES (AUST) P./L.

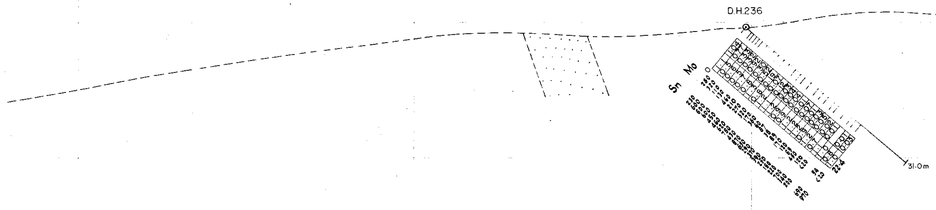
EXPLORATION DEPARTMENT

Hole No. _____

Project _____

Area _____

Page ____ of ____



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Gr — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

<0.1%
0.1-0.2%
0.2-0.3%
0.3-0.5%
0.5-0.7%
0.7-1.0%
>1.0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Azimuth — Core Length (m) — % WO_3

p.p.m. Sn 1730 Mo 240

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79/1337
183153 TASMANIA

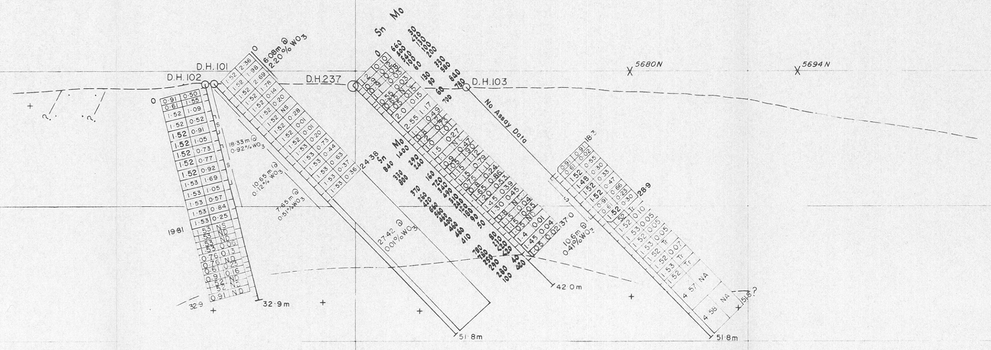
ASSAY SECTION 5620N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF 1
~~78/AX25~~

DRAWN J.F.B.	WORK BY D.F.D.	CHECKED BY
DATE 22/11/1978	PROJECT NO 21081	REVISIONS 681

LOOKING 328°30'



5 cm

REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Gr — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — $\%WO_3$

p.p.m. Sn 1730 Mo 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

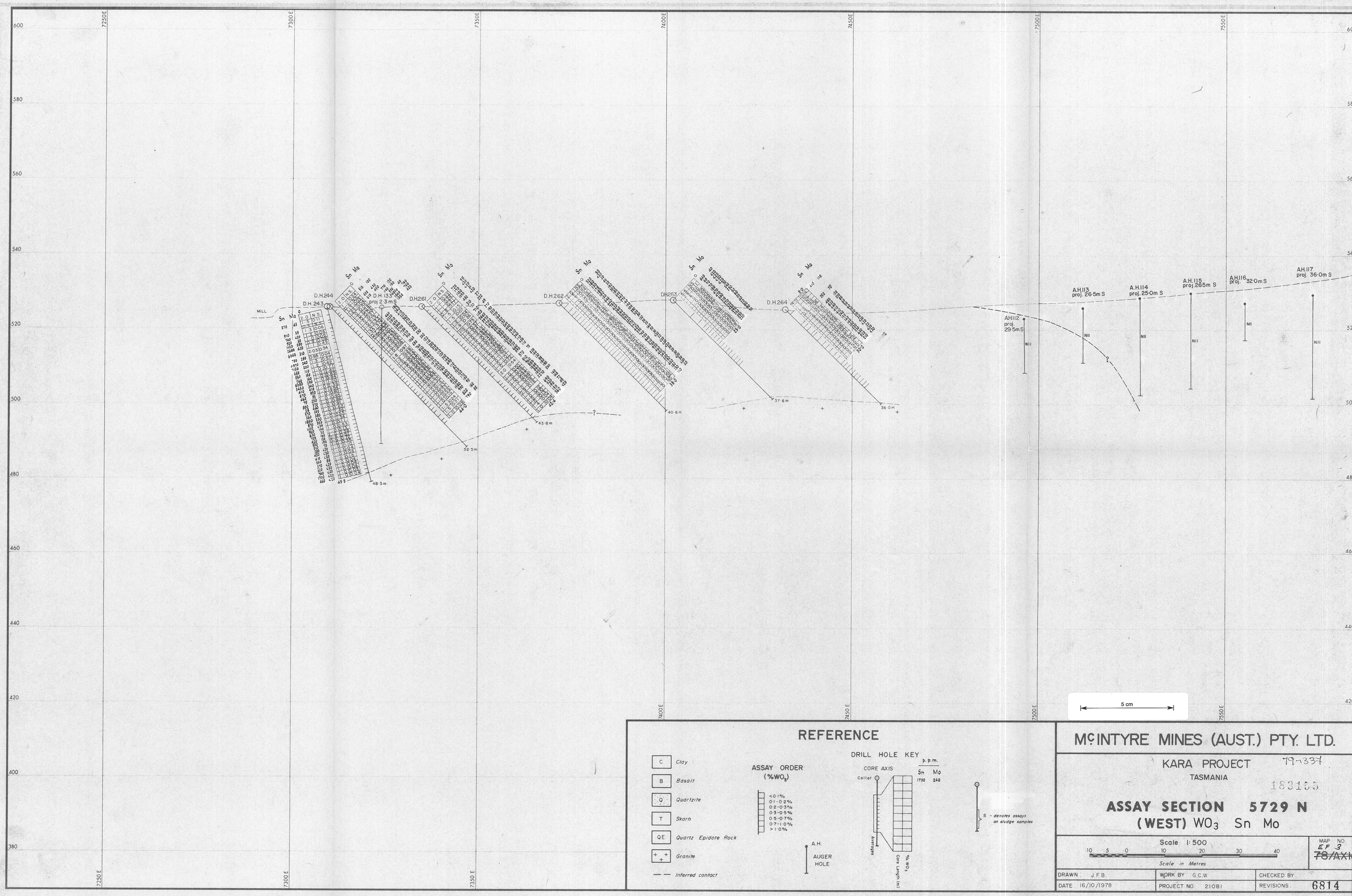
KARA PROJECT 79-1337.
TASMANIA 183154

ASSAY SECTION 5689 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF2 ~~78/AXII~~

DRAWN J.F.B	WORK BY G.C.W.	CHECKED BY
DATE 20/11/1978	PROJECT NO. 21081	REVISIONS: 6813



McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337

TASMANIA

183155

ASSAY SECTION 5729 N
(WEST) WO_3 Sn Mo

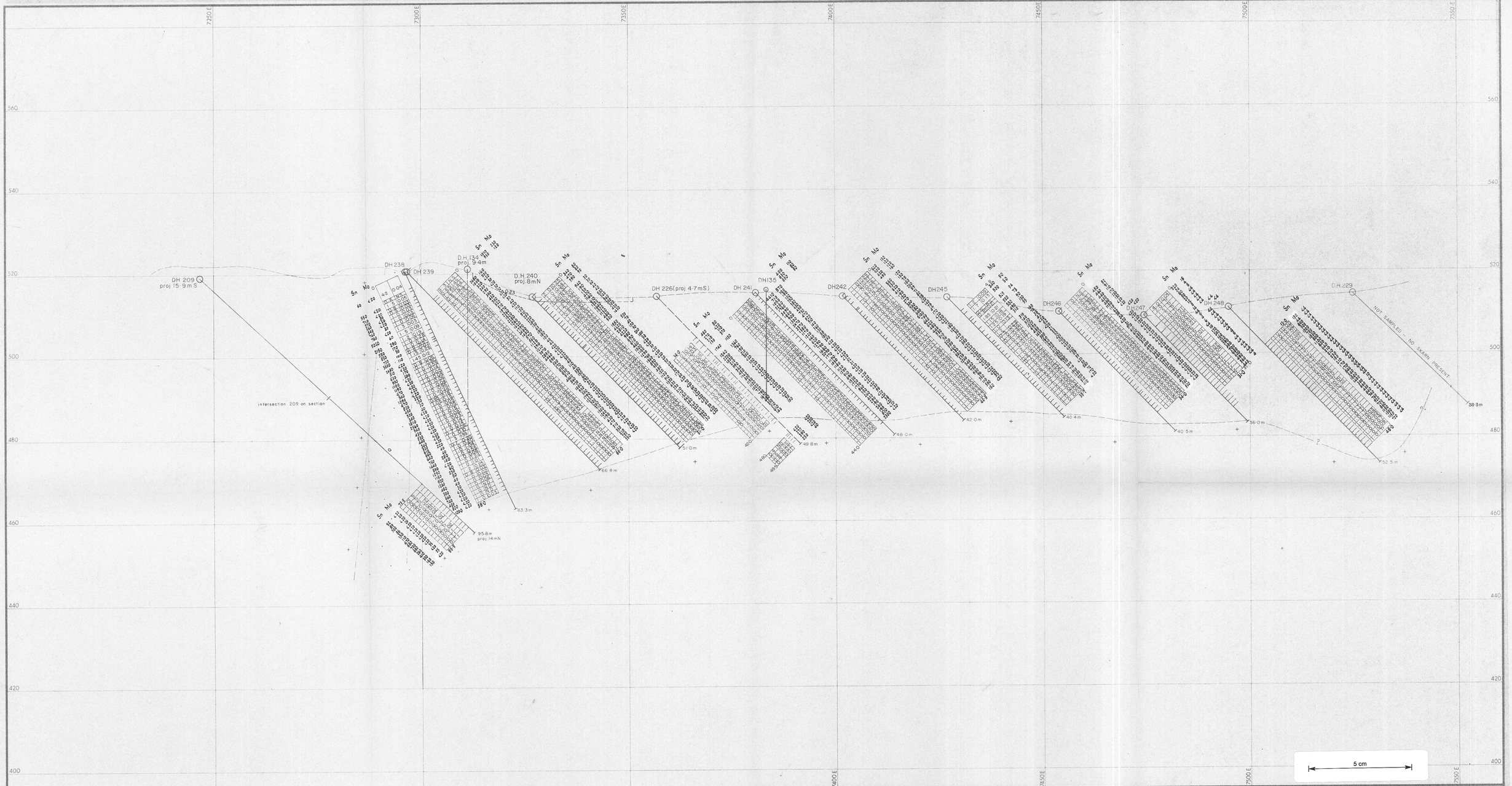
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EF 3 ~~78/AX10~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 16/10/1978	PROJECT NO. 21081	REVISIONS: 6814



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Gr — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — % WO_3

p.p.m. Sn 1730 Mo 240

S – denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

183156 KARA PROJECT 79-1234
TASMANIA

ASSAY SECTION 5778 N

WO_3 Sn Mo

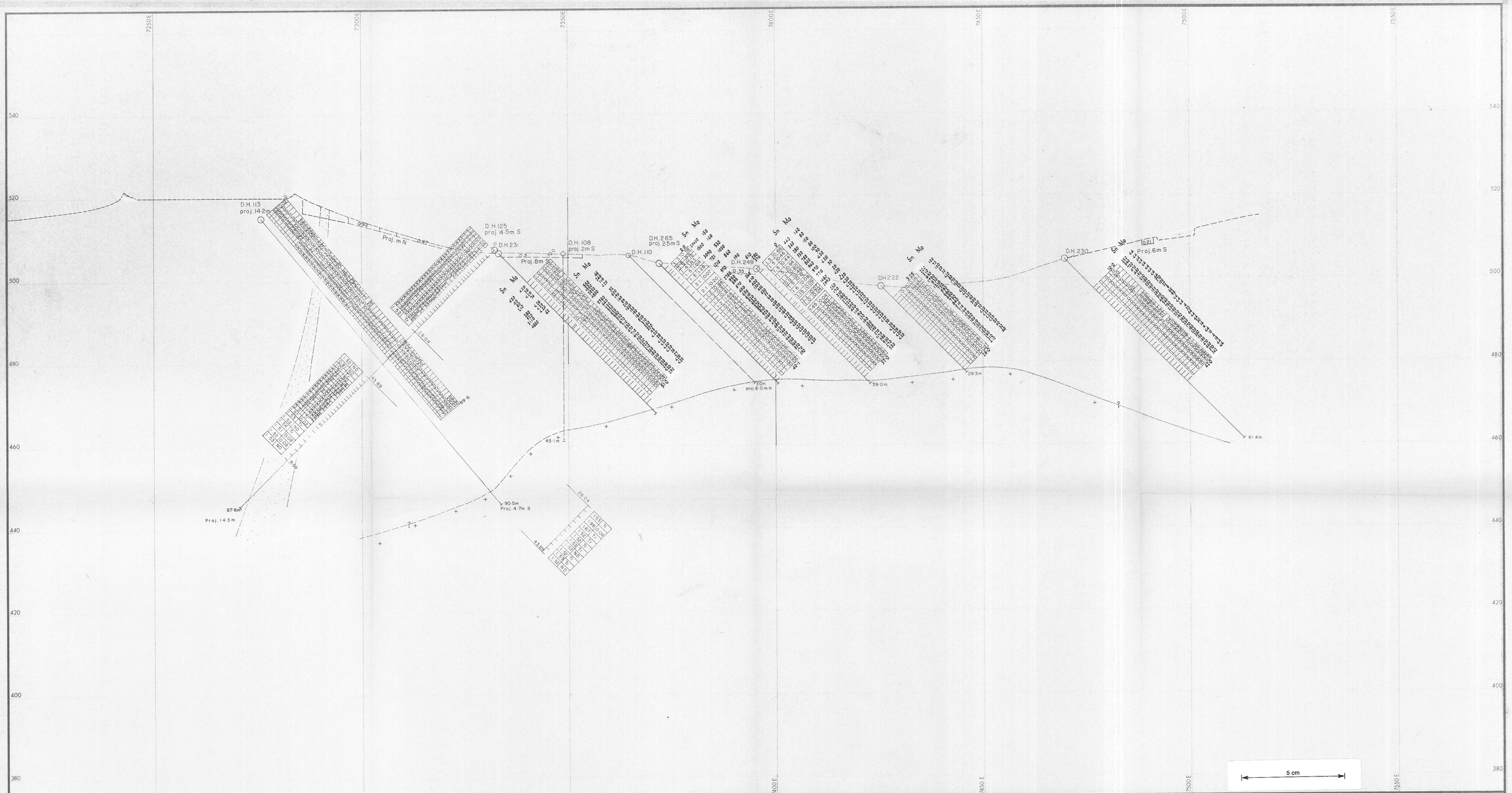
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EF 4 ~~75/AX2a~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 16/10/1978	PROJECT NO. 21081	REVISIONS: 6815



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + — Granite
- —— Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. — AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m.) — $\%WO_3$

p.p.m. Sn Mo (e.g. 1730 240)

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT
TASMANIA

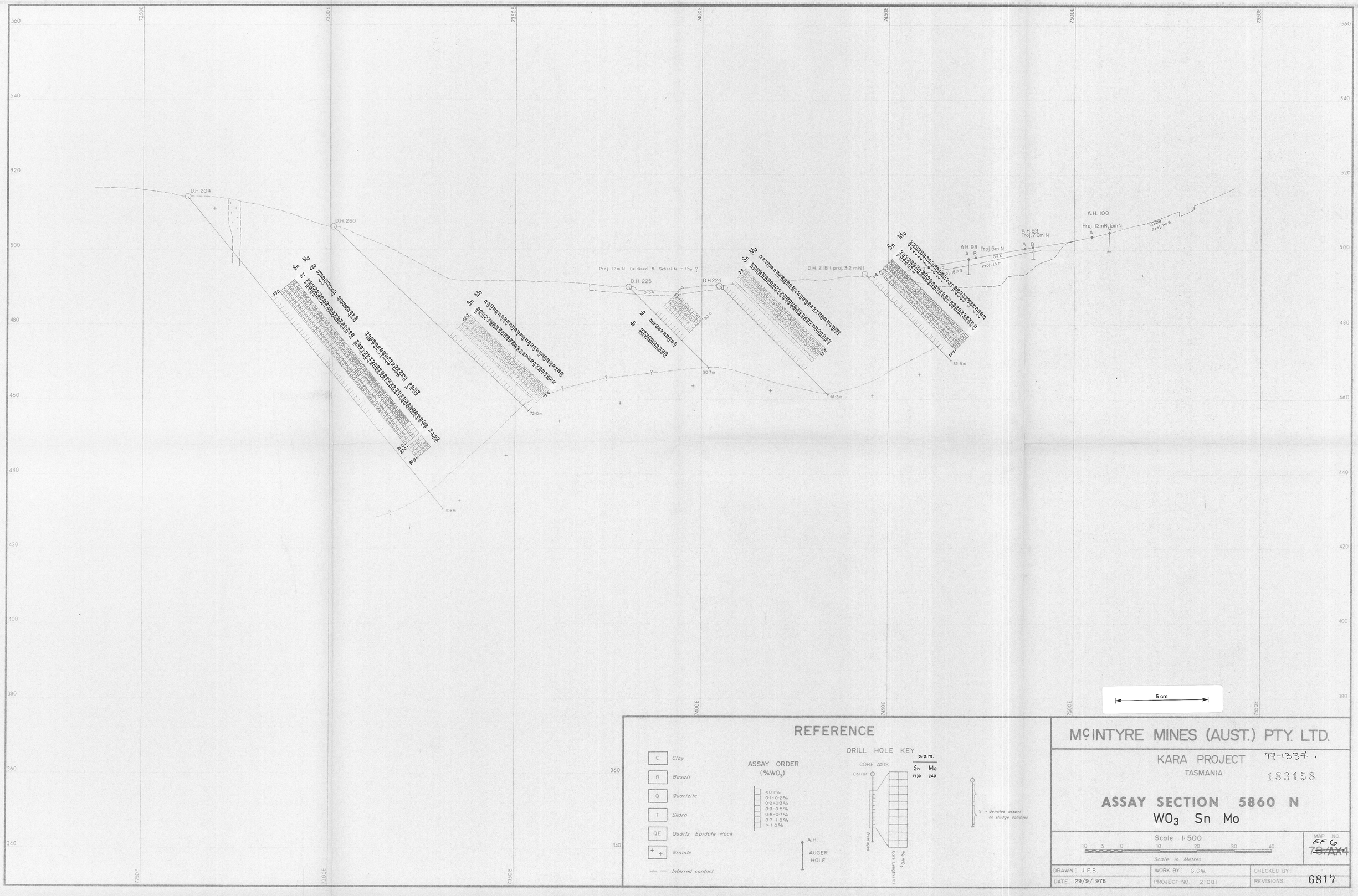
79-1337
183157

ASSAY SECTION 5818 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF 5 ~~78/AX3~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 16/10/1978	PROJECT NO. 21081	REVISIONS: 6816



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + — Granite
- —— Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. — AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Assays — Core Length (m) — $\%WO_3$

p.p.m.	
Sn	Mo
1730	240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

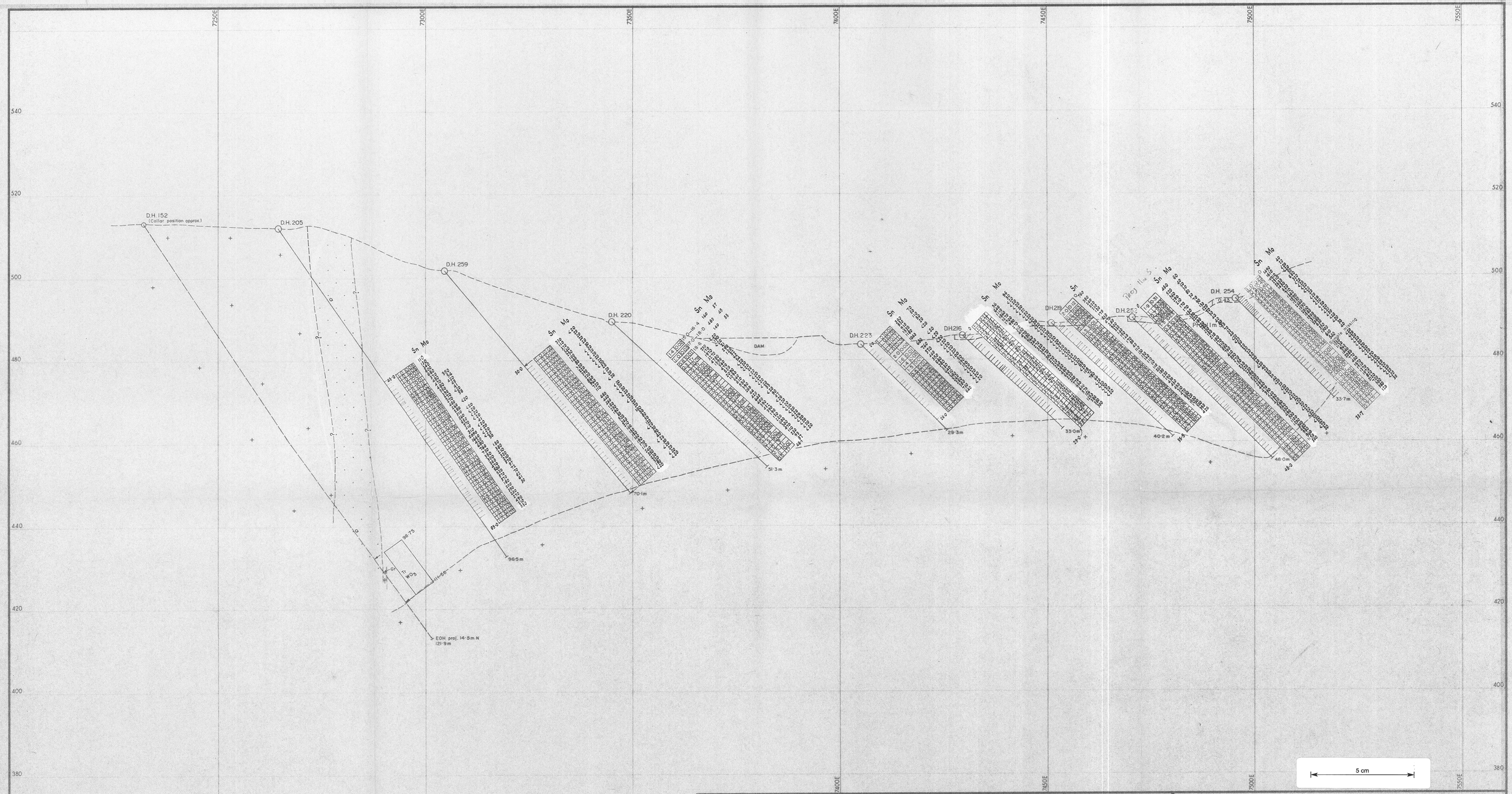
KARA PROJECT 79-1337.
TASMANIA 183158

ASSAY SECTION 5860 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF 6 ~~78/AX4~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 29/9/1978	PROJECT NO.: 21081	REVISIONS: 6817



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Granite
- Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS
Collar
Average
Core Length (m)
% WO_3

p.p.m.

Sn	Mo
1730	240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT
TASMANIA

79-1337
183159

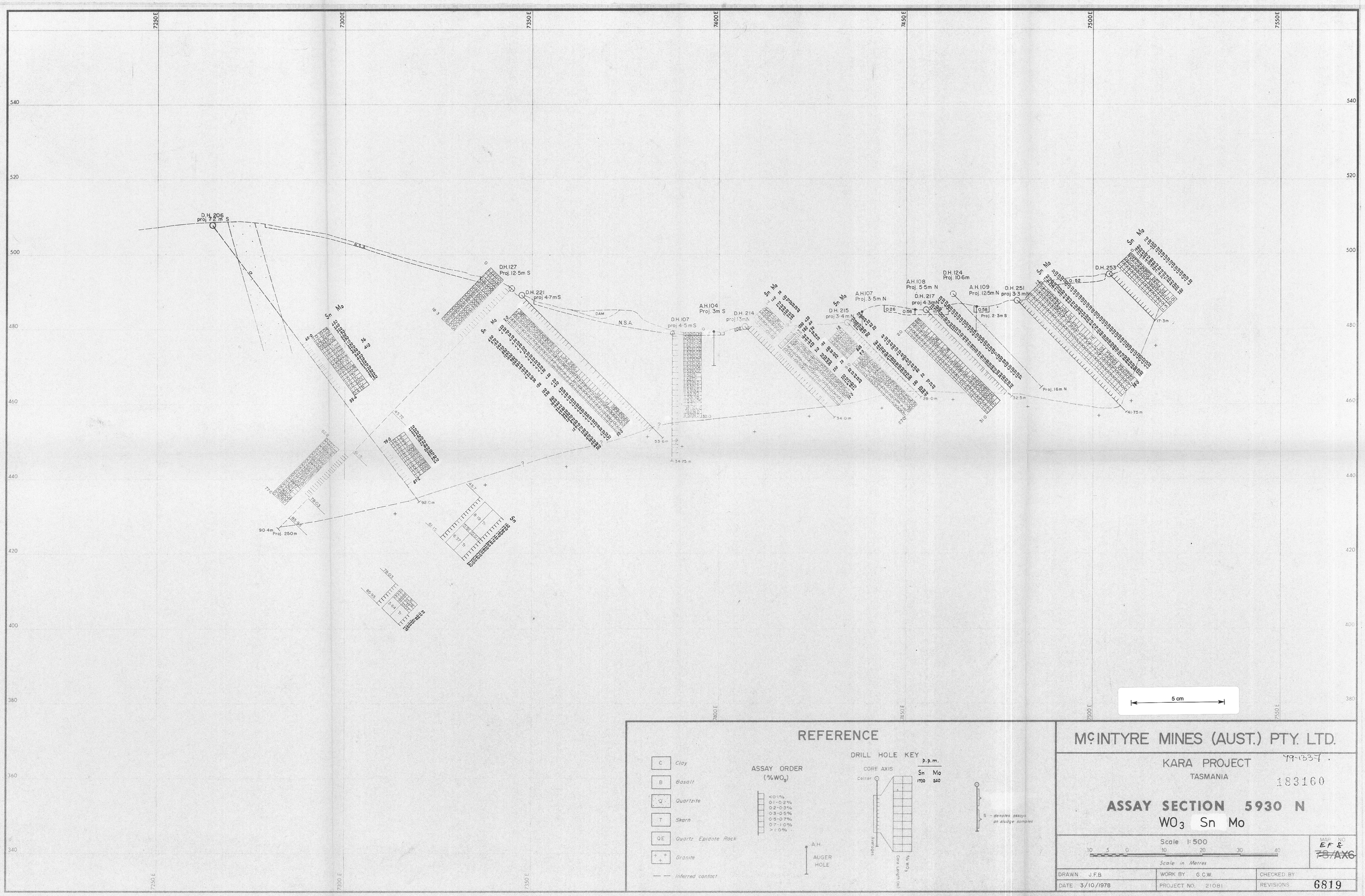
ASSAY SECTION 5900 N

WO_3 Sn Mo

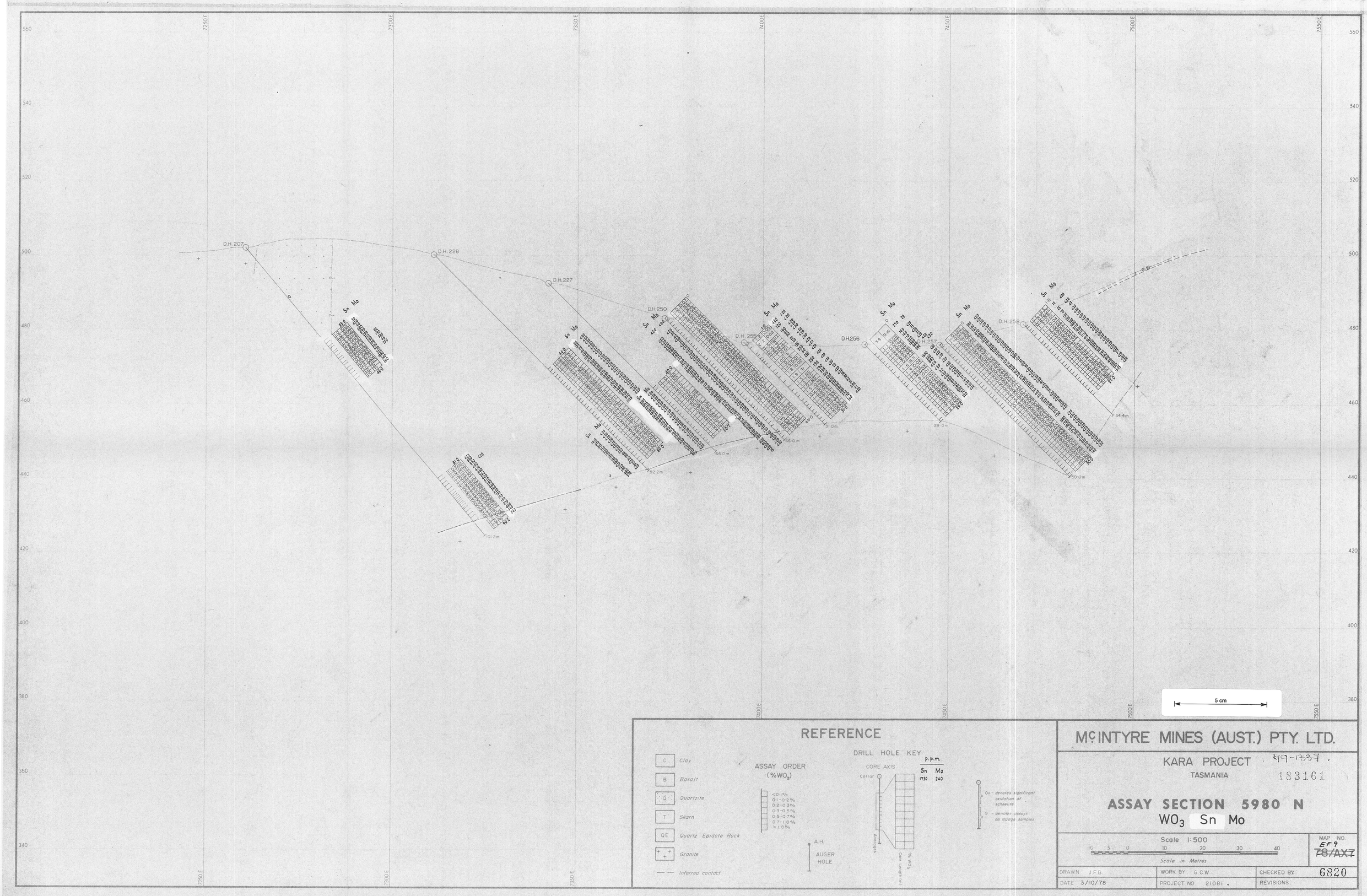
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF7 ~~78/AX5~~

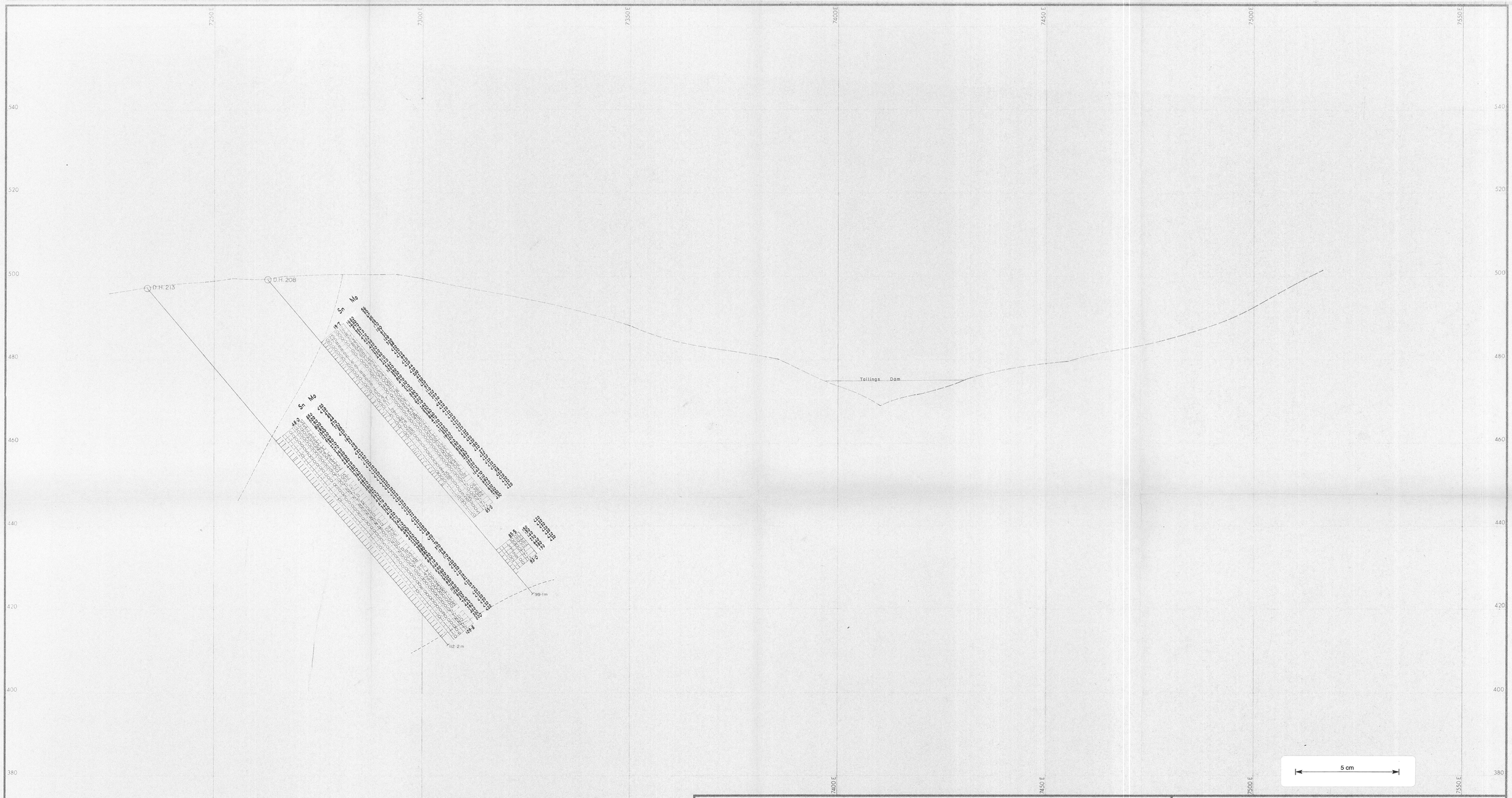
DRAWN	WORK BY	CHECKED BY
J.F.B.	G.C.W.	
DATE 3/10/1978	PROJECT NO. 2108	REVISIONS 6818



7250E
7300E
7350E
7400E
7450E
7500E
7550E
540
520
500
480
460
440
420
400
380
360
340
D.H. 206
proj 7.2 m S
N.S.A.
D.H. 127
Proj. 12.5m S
D.H. 221
proj 4.7m S
DAM
N.S.A.
D.H. 107
proj 4.5m S
A.H. 104
Proj. 3m S
D.H. 214
proj 13m N
D.H. 215
proj 3.4m N
A.H. 107
Proj. 3.5m N
A.H. 108
Proj. 5.5m N
D.H. 217
proj 4.3m N
D.H. 124
Proj. 10.6m
A.H. 109
Proj. 12.5m N
D.H. 251
proj 3.3m N
D.H. 253
Proj. 16m N
Sn Mo
Sn
90.4m
Proj. 250m
92.0m
34.75m
34.0m
28.0m
32.5m
41.75m
17.3m
5 cm
REFERENCE
C Clay
B Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER
(%WO3)
<0.1%
0.1-0.2%
0.2-0.3%
0.3-0.5%
0.5-0.7%
0.7-1.0%
>1.0%
A.H.
AUGER HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
Core Length (m)
% WO3
p.p.m.
Sn Mo
1730 240
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
79-1337
183160
ASSAY SECTION 5930 N
WO3 Sn Mo
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO.
EF 8
~~78/AX6~~
DRAWN J.F.B.
WORK BY G.C.W.
CHECKED BY
DATE 3/10/1978
PROJECT NO. 21081
REVISIONS
6819



D.H. 207
D.H. 228
D.H. 227
D.H. 250
D.H. 255
D.H. 256
D.H. 257
D.H. 258
Sn Mo
101.2m
92.2m
64.0m
46.0m
31.0m
29.0m
50.0m
34.4m
5 cm
REFERENCE
C Clay
B Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER (%WO3)
<0.1%
0.1-0.2%
0.2-0.3%
0.3-0.5%
0.5-0.7%
0.7-1.0%
>1.0%
A.H. AUGER HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
Core Length (m)
% WO3
p.p.m.
Sn Mo
1730 240
Ox - denotes significant oxidation of scheelite
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
49-1337
183161
ASSAY SECTION 5980 N
WO3 Sn Mo
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO. EF9 ~~78/AX7~~
DRAWN J.F.B.
DATE 3/10/78
WORK BY G.C.W.
PROJECT NO. 21081
CHECKED BY 6820
REVISIONS



REFERENCE

C	Clay
B	Basalt
Q	Quartzite
T	Skarn
QE	Quartz Epidote Rock
+ + +	Granite
— —	Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS

Collar

Averages

Core Length (m)

% WO_3

p.p.m.

Sn	Mo
1730	240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337

TASMANIA

183162

ASSAY SECTION 6020 N

WO_3 Sn Mo

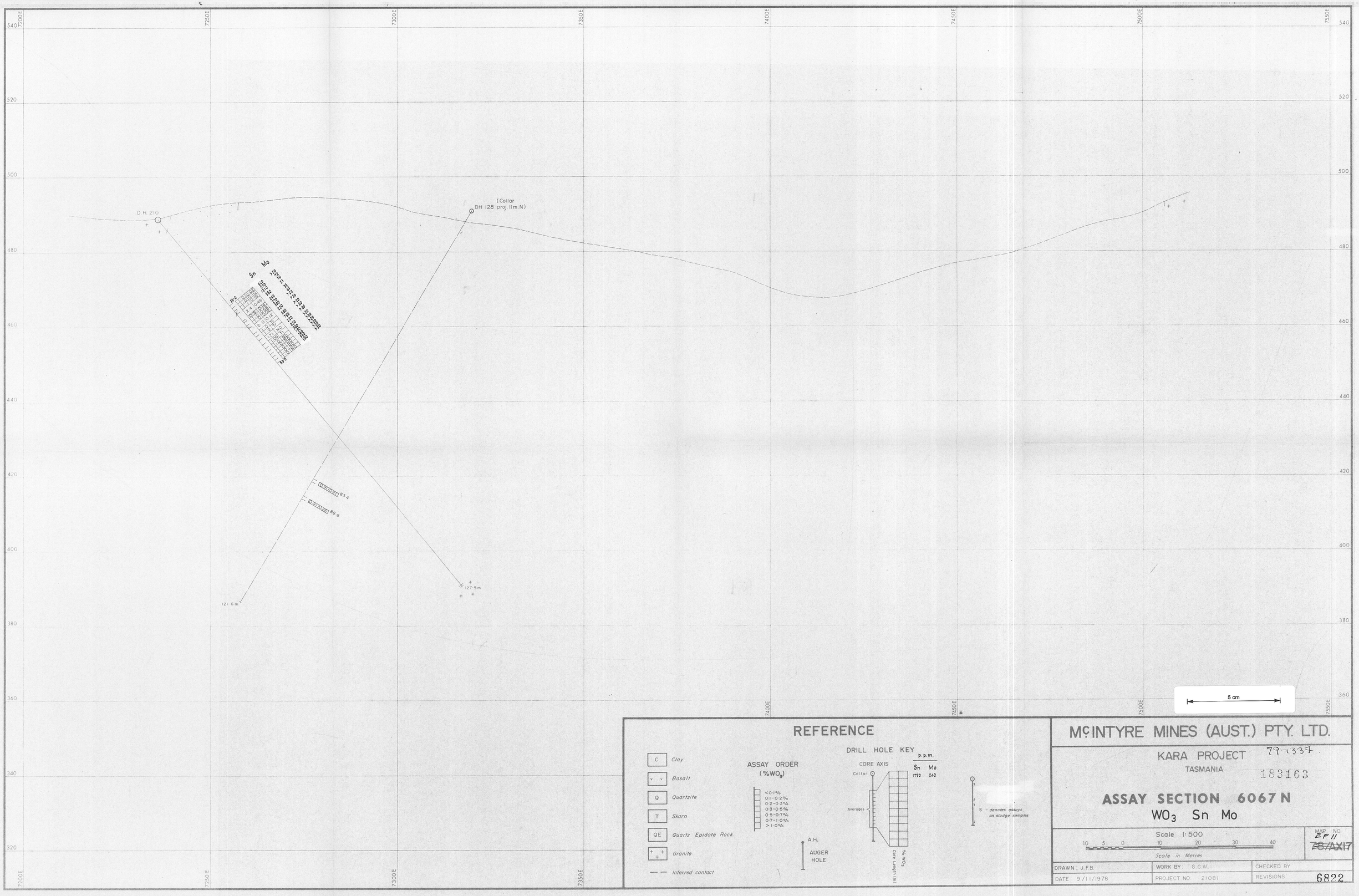
Scale 1:500

10 5 0 10 20 30 40

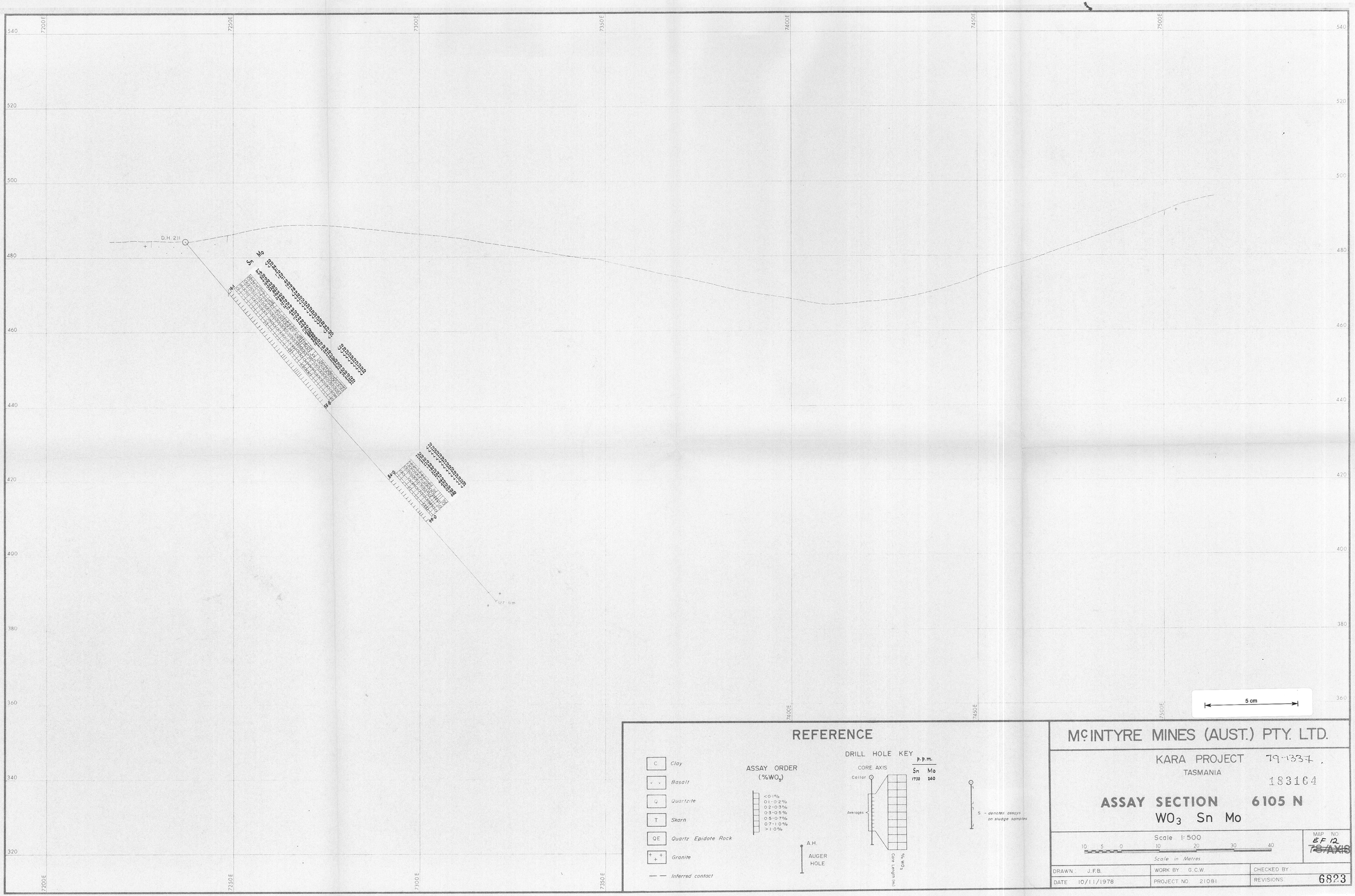
Scale in Metres

MAP NO. EF10 ~~78/AX8~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 3/10/1978	PROJECT NO: 21081	REVISIONS: 6821



7200E
7250E
7300E
7350E
7400E
7450E
7500E
7550E
540
520
500
480
460
440
420
400
380
360
340
320
D.H. 210
(Collar
DH 128 proj. 11m.N)
Sn
Mo
121·6 m
127·5 m
5 cm
REFERENCE
C Clay
Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER
(%WO3)
<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%
A.H.
AUGER
HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
p.p.m.
Sn Mo
1730 240
Core Length (m)
% WO3
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
79-1337
183163
ASSAY SECTION 6067 N
WO3 Sn Mo
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO.
EF 11
~~78/AX17~~
DRAWN: J.F.B.
WORK BY: G.C.W.
CHECKED BY
DATE: 9/11/1978
PROJECT NO. 21081
REVISIONS
6822



McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337.

TASMANIA

183164

ASSAY SECTION 6105 N

WO_3 Sn Mo

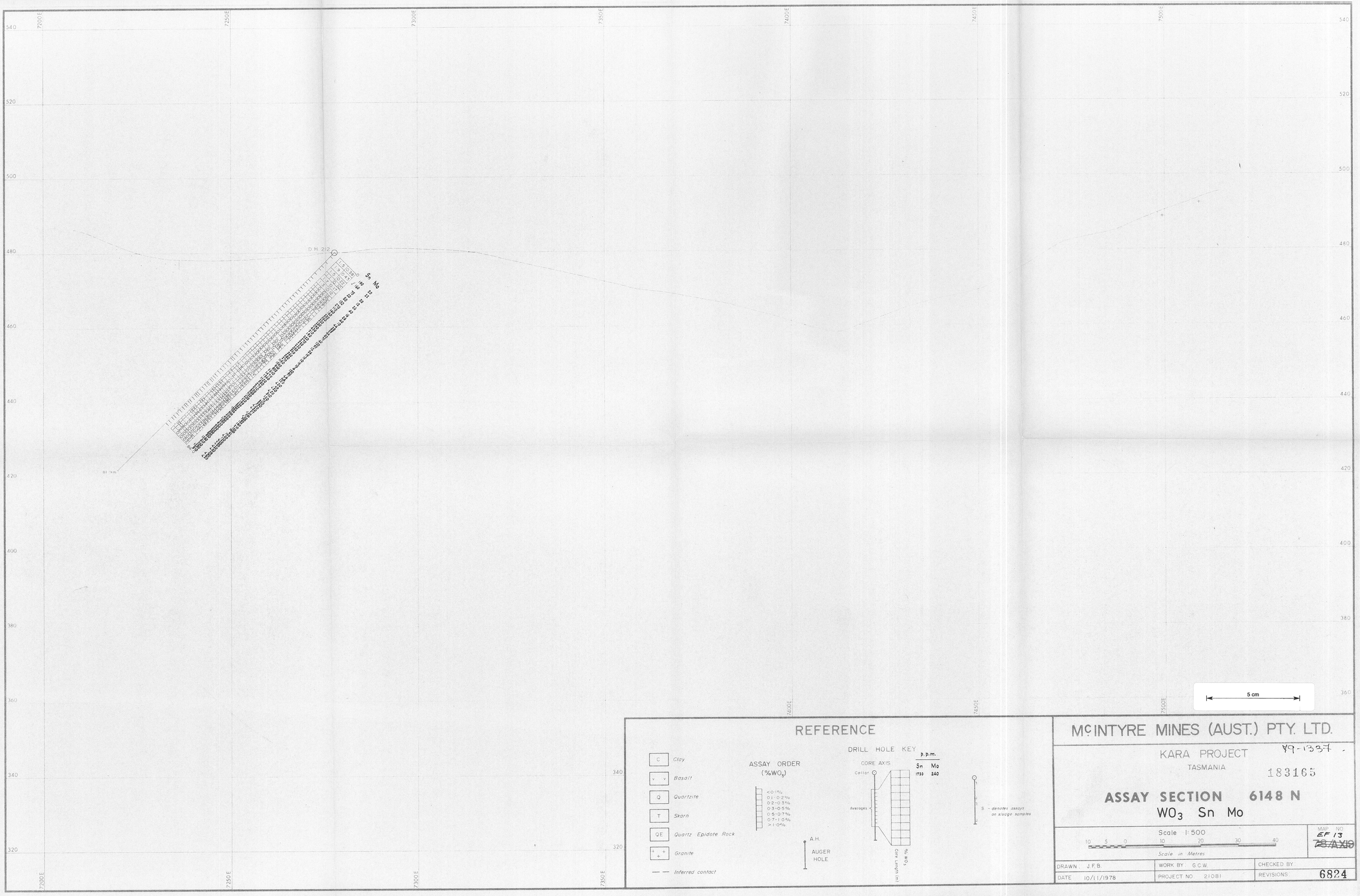
Scale 1:500

10 5 0 10 20 30 40

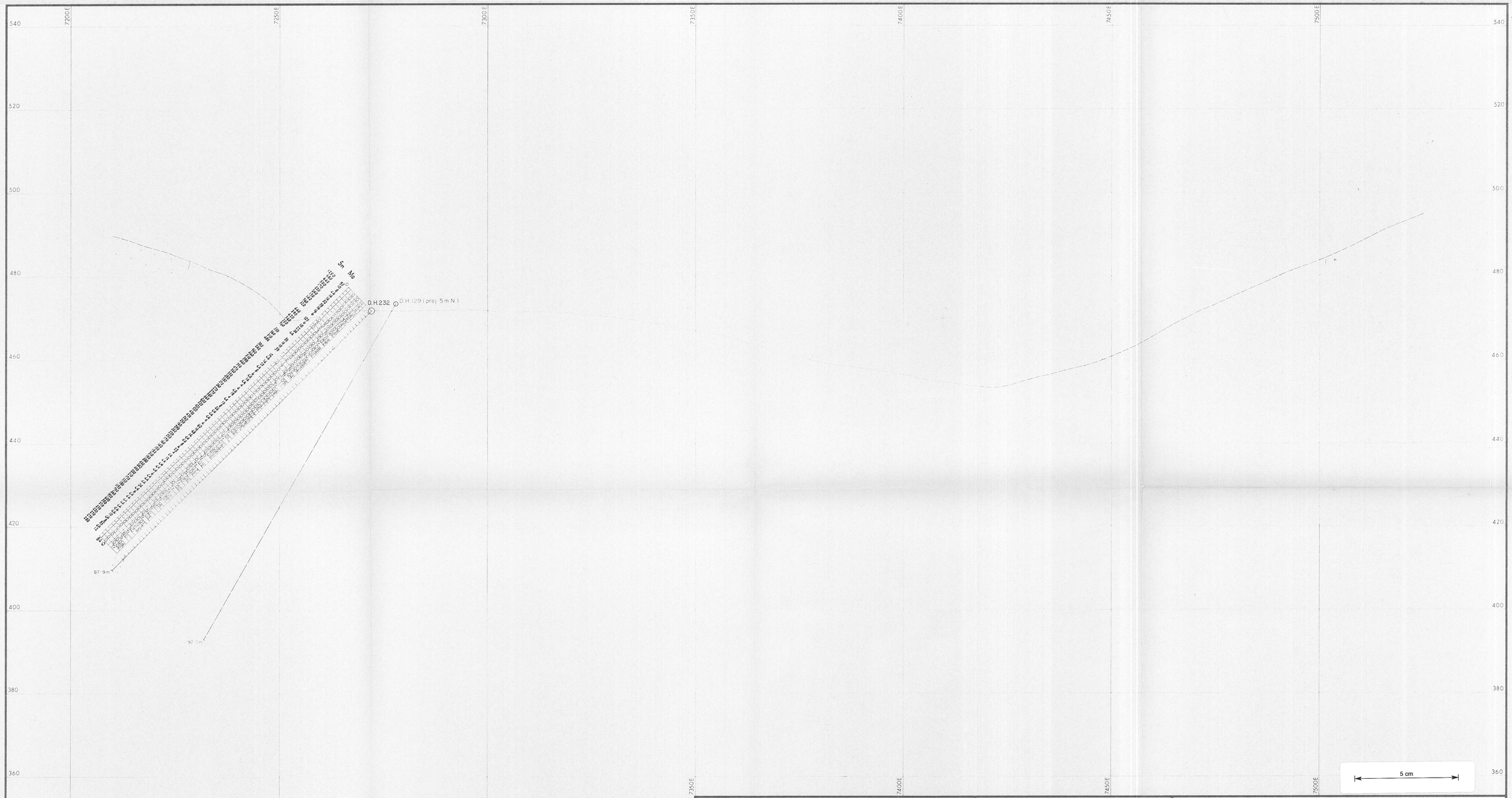
Scale in Metres

MAP NO. EF 12 ~~78/AX18~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 10/11/1978	PROJECT NO. 21081	REVISIONS: 6823



7200E
7250E
7300E
7350E
7400E
7450E
7500E
540
520
500
480
460
440
420
400
380
360
340
320
D.H. 212
Sn Mo
5 cm
REFERENCE
C Clay
Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER
(%WO3)
<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%
A.H.
AUGER HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
p.p.m.
Sn Mo
1750 240
% WO3
Core Length (m)
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
79-1337
183165
ASSAY SECTION 6148 N
WO3 Sn Mo
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO.
EF 13
~~78/AX19~~
DRAWN: J.F.B.
DATE 10/11/1978
WORK BY: G.C.W.
PROJECT NO. 21081
CHECKED BY:
REVISIONS:
6824



REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. — AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — % WO_3 — Core Length (m)

p.p.m.

Sn	Mo
1730	140

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337

TASMANIA

183166

ASSAY SECTION 6190 N

WO_3 Sn Mo

Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EF 14 ~~79AX20~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 23/11/1978	PROJECT NO: 2108	REVISIONS: 6825

7200E 7250E 7300E 7350E 7400E 7450E 7500E

540 520 500 480 460 440 420 400 380 360 340 320

D.H 233

Sn Mo

94.7m

5 cm

REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — % WO_3

p.p.m. Sn 1730 Mo 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337
TASMANIA
183167

ASSAY SECTION 6230N
WO_3 Sn Mo

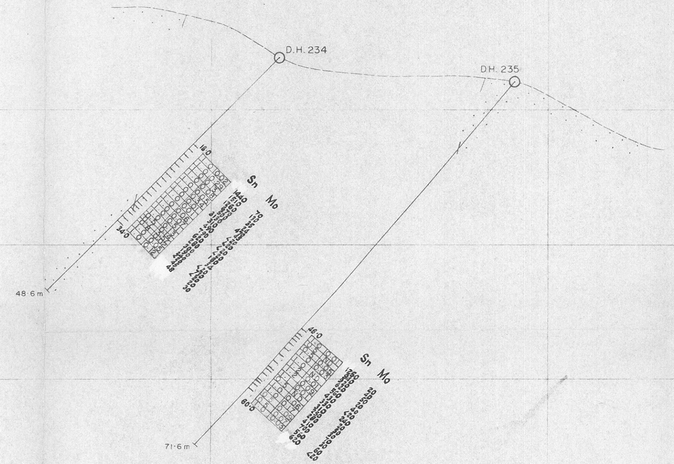
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO EF 15 ~~78/AX21~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 10/11/1978	PROJECT NO. 2108!	REVISIONS: 6826

7150E 7200E 7250E 7300E 7350E 7400E 7450E

540 520 500 480 460 440 420 400 380 360 340 320



5 cm

REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — % WO_3

p.p.m. Sn Mo
1730 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT TASMANIA

79-1337
183168

ASSAY SECTION 6310 N
WO_3 Sn Mo

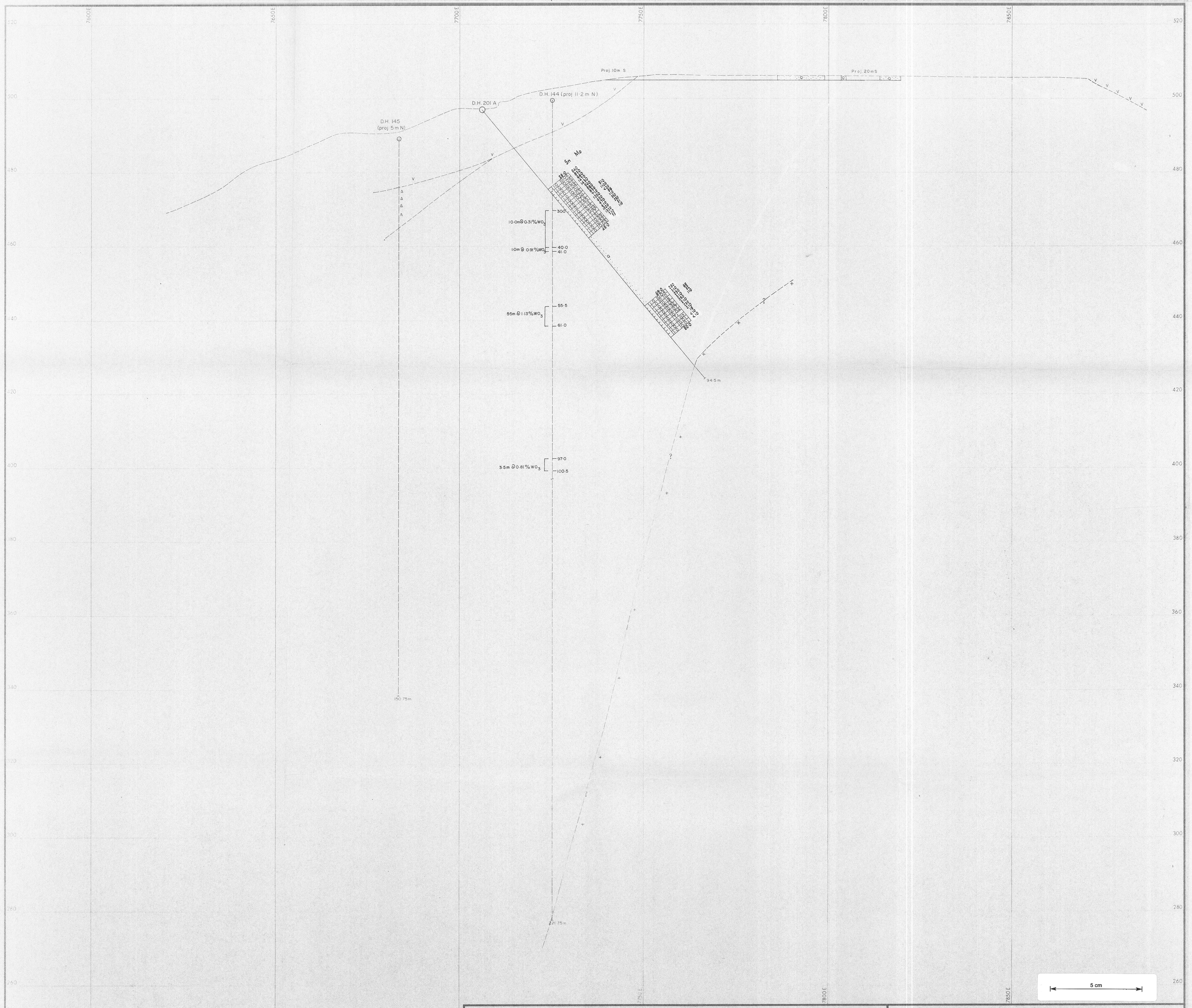
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. LE F 16 ~~78/AX22~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 13/11/1978	PROJECT NO. 21081	REVISIONS: 682W



REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- —— Inferred contact

ASSAY ORDER (%WO_3)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — % WO_3 — Core Length (m)

p.p.m. Sn 1730 Mo 240

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA 79-1337.

183169

ASSAY SECTION 6370 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO EF 17 ~~78/AX12~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY
DATE 12/10/1978	PROJECT NO. 2108	REVISIONS: 6828

7600 E
7650 E
7700 E
7750 E
7800 E
7850 E

580
560
540
520
500
480
460
440
420
400
380
360
340
320
300
280

D.H. 202

Sn Mo

126.30m

5 cm

REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER (%WO_3)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — core length (m) — % WO_3

p.p.m. Sn 1730 Mo 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA 79-1337

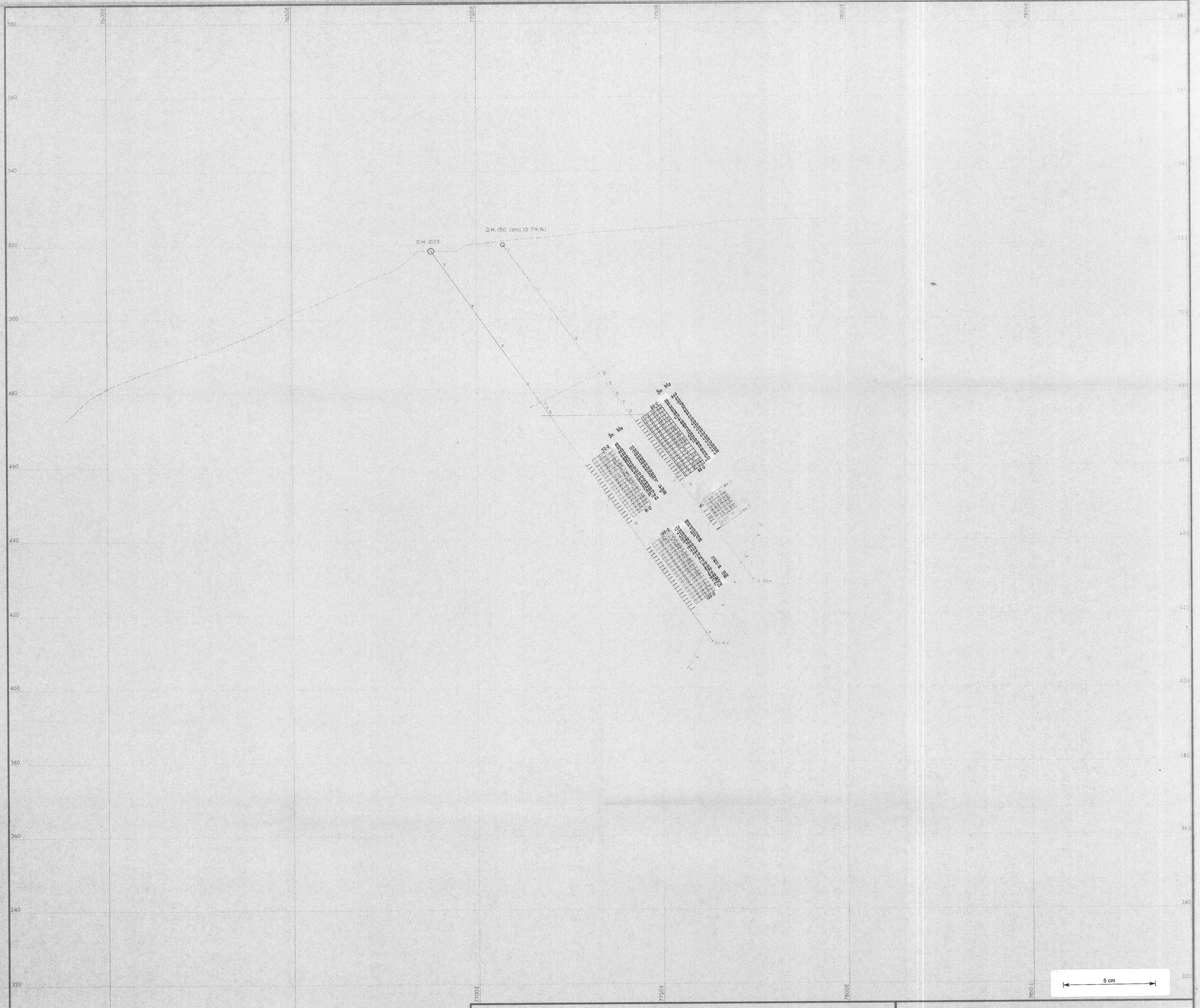
183170

ASSAY SECTION 6416 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF18 ~~78/AX13~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 13/10/1978	PROJECT NO. 21081	REVISIONS: 6829



REFERENCE

- C — Clay
- Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Granite
- Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — $\%WO_3$ — Core Length (m)

p.p.m. | Sn | Mo
1730 | 240

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA

79-1337
183171

ASSAY SECTION 6450 N
WO_3 Sn Mo

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EF 19 ~~78/AX14~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 13/10/1978	PROJECT NO: 21081	REVISIONS: 6830

LOOKING 003°

DH 151

Sn Mo

186 m

5 cm

REFERENCE

C Clay

V V Basalt

Q Quartzite

T Skarn

QE Quartz Epidote Rock

Granite

Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H AUGER HOLE

DRILL HOLE KEY

CORE AXIS

Collar

Averages

% WO_3 Core Length (m)

p.p.m. Sn Mo
1730 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA

79-1334
183172

ASSAY SECTION 6505 N (at collar)

WO_3 Sn Mo

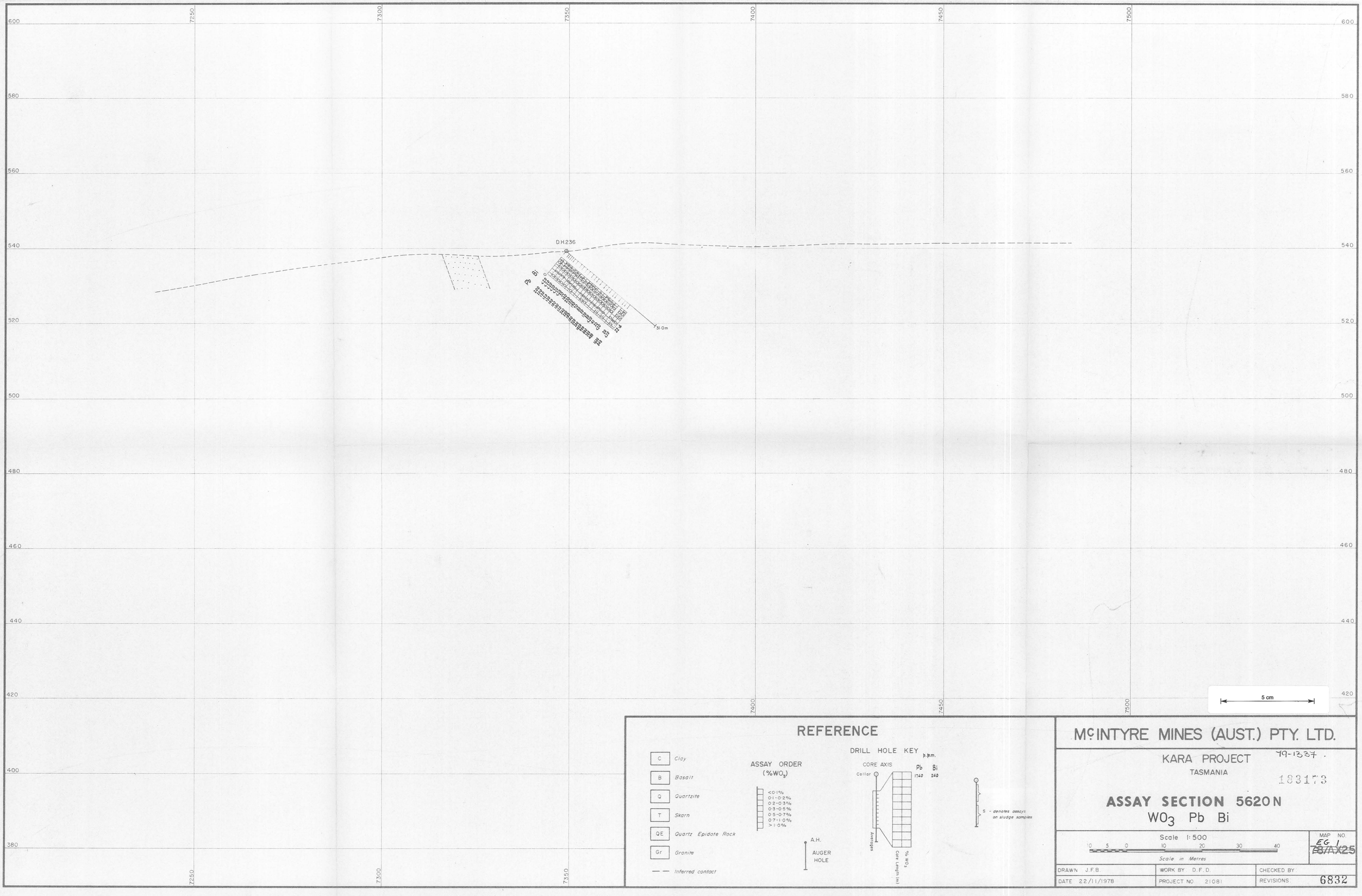
Scale 1:500

-10 5 0 10 20 30 40

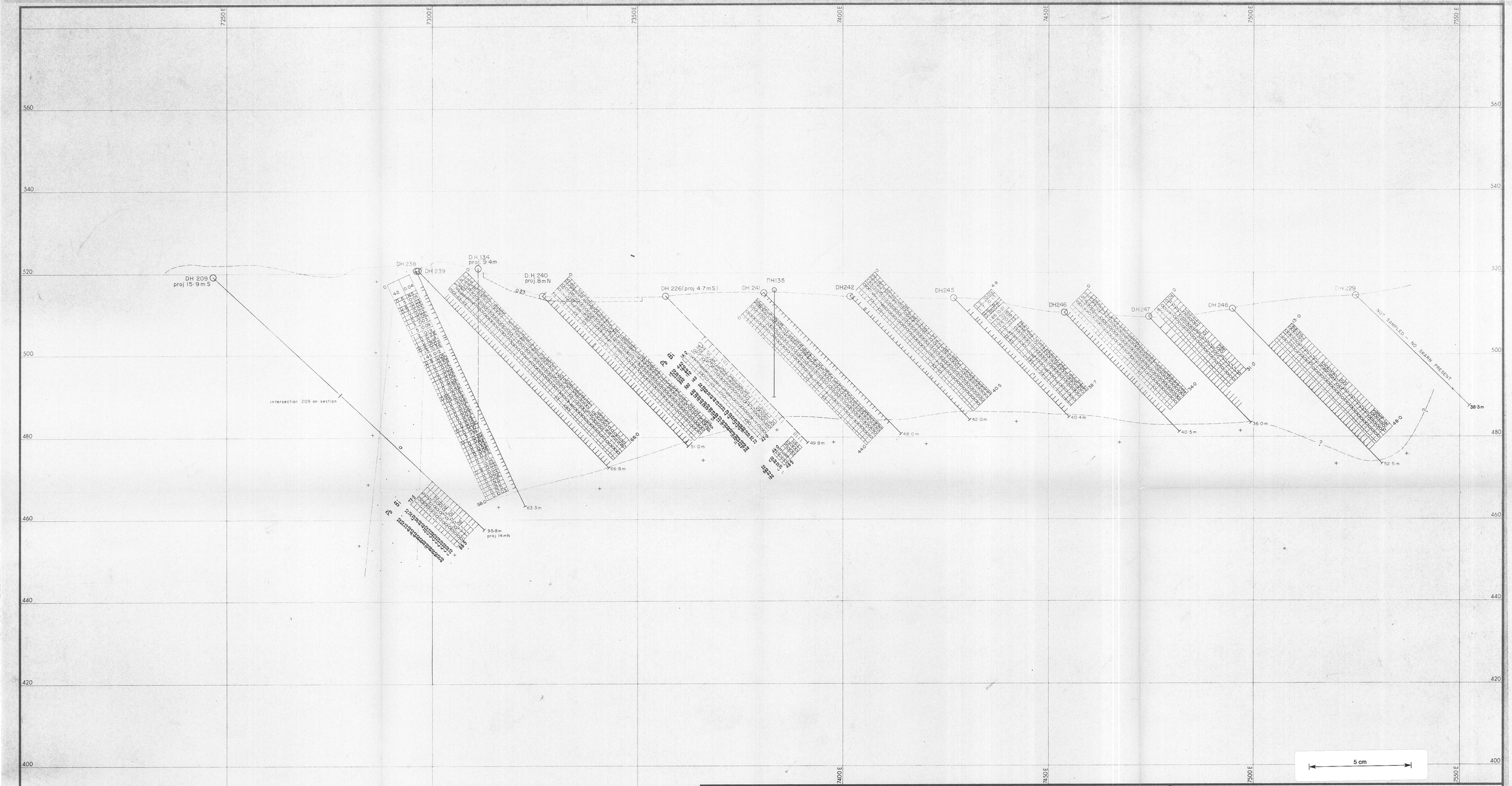
Scale in Metres

MAP NO. EF 10 ~~78/AX15~~

DRAWN: J.F.B	WORK BY: G.C.W.	CHECKED BY:
DATE: 16/10/1978	PROJECT NO: 21081	REVISIONS: 6831



600
580
560
540
520
500
480
460
440
420
400
380
7250
7300
7350
7400
7450
7500
D.H.236
Pb Bi
31·0m
5 cm
REFERENCE
C Clay
B Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Gr Granite
Inferred contact
ASSAY ORDER (%WO3)
<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%
A.H.
AUGER HOLE
DRILL HOLE KEY
p.p.m.
CORE AXIS
Collar
Pb Bi
1740 240
Averages
Core Length (m)
% WO3
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
79-1337
183173
ASSAY SECTION 5620N
WO3 Pb Bi
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO.
EG 1
78/AX25
DRAWN J.F.B.
WORK BY D.F.D.
CHECKED BY
DATE 22/11/1978
PROJECT NO. 21081
REVISIONS
6832



REFERENCE

C	Clay
B	Basalt
Q	Quartzite
T	Skarn
QE	Quartz Epidote Rock
Gr	Granite
— —	Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS

Collar

Averages

Core Length (m)

% WO_3

p.p.m.

Pb 1740

Bi 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT

TASMANIA

79-1337

183174

ASSAY SECTION 5778 N

WO_3 Pb Bi

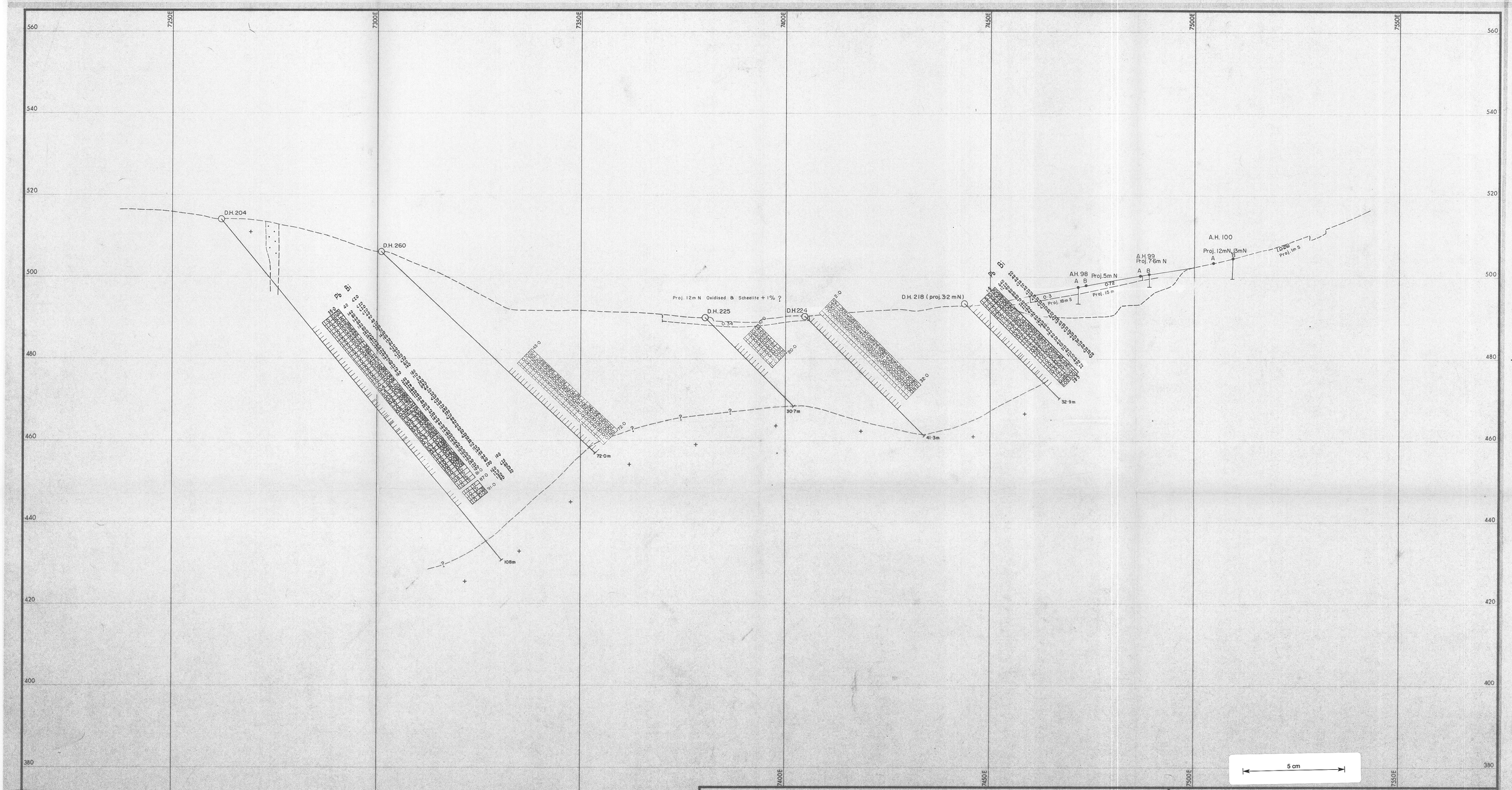
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EG 2 ~~78/AX2a~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 16/10/1978	PROJECT NO. 21081	REVISIONS: 6833



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Granite
- Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

	p.p.m. Pb	Bi
CORE AXIS Collar	1740	240

Averages — Core length (m) — $\%WO_3$

S - denotes assays on sledge samples

McINTYRE MINES (AUST.) PTY. LTD.

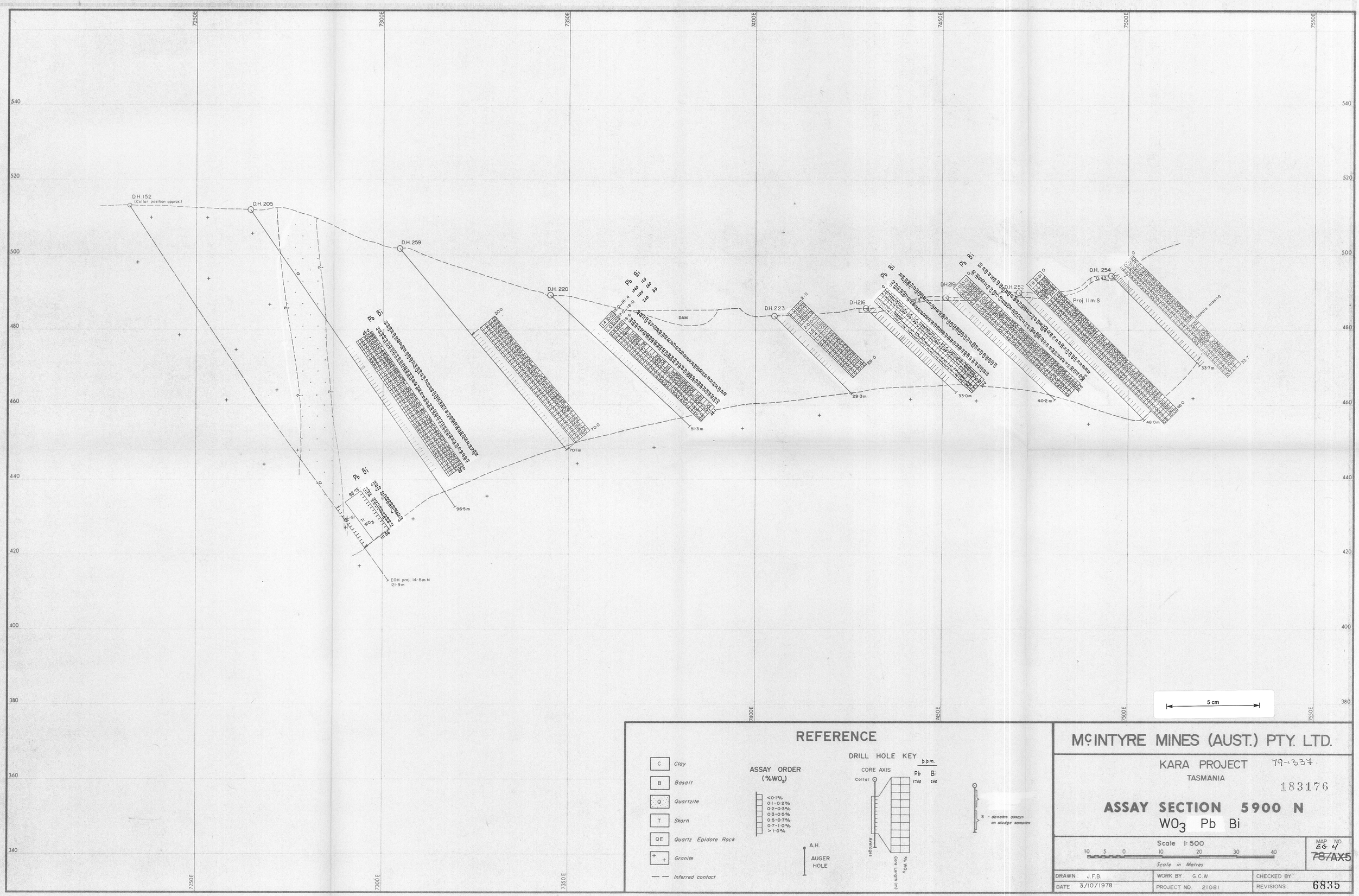
KARA PROJECT 49-1337
TASMANIA 183173

ASSAY SECTION 5860 N
WO_3 Pb Bi

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 3 ~~78/AX4~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 29/9/1978	PROJECT NO. 21081	REVISIONS: 6834



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + — Granite
- — — Inferred contact

ASSAY ORDER (%WO_3)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Average — % WO_3 — Core Length (m)

p.p.m. Pb 1740 Bi 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

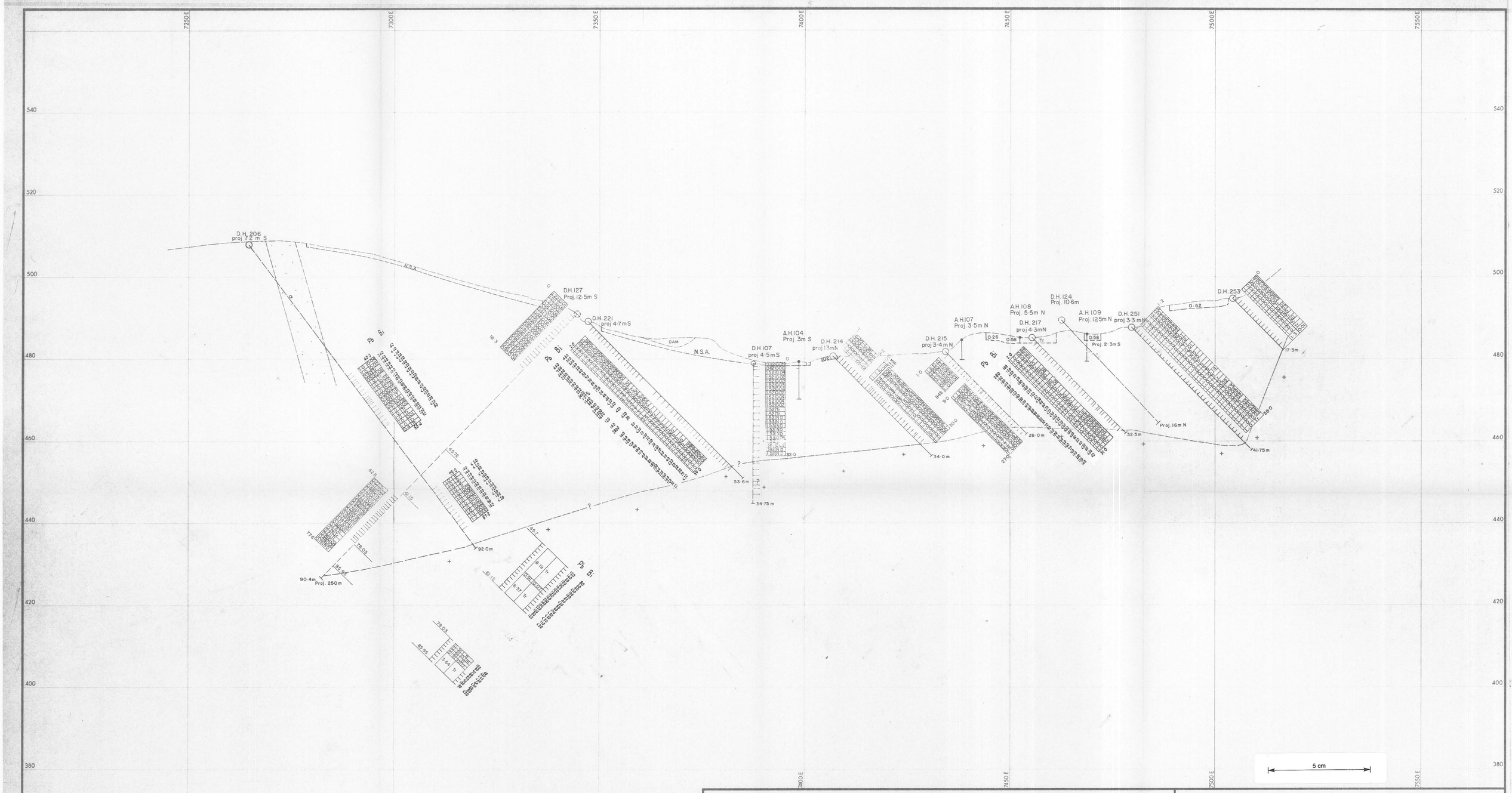
KARA PROJECT 79-1337
TASMANIA
183176

ASSAY SECTION 5900 N
WO_3 Pb Bi

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 4 ~~78/AX5~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY
DATE 3/10/1978	PROJECT NO. 2108	REVISIONS 6835



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Granite
- Inferred contact

ASSAY ORDER (%WO_3)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — % WO_3 — Core Length (m)

p.p.m. Pb 1740 Bi 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT
TASMANIA

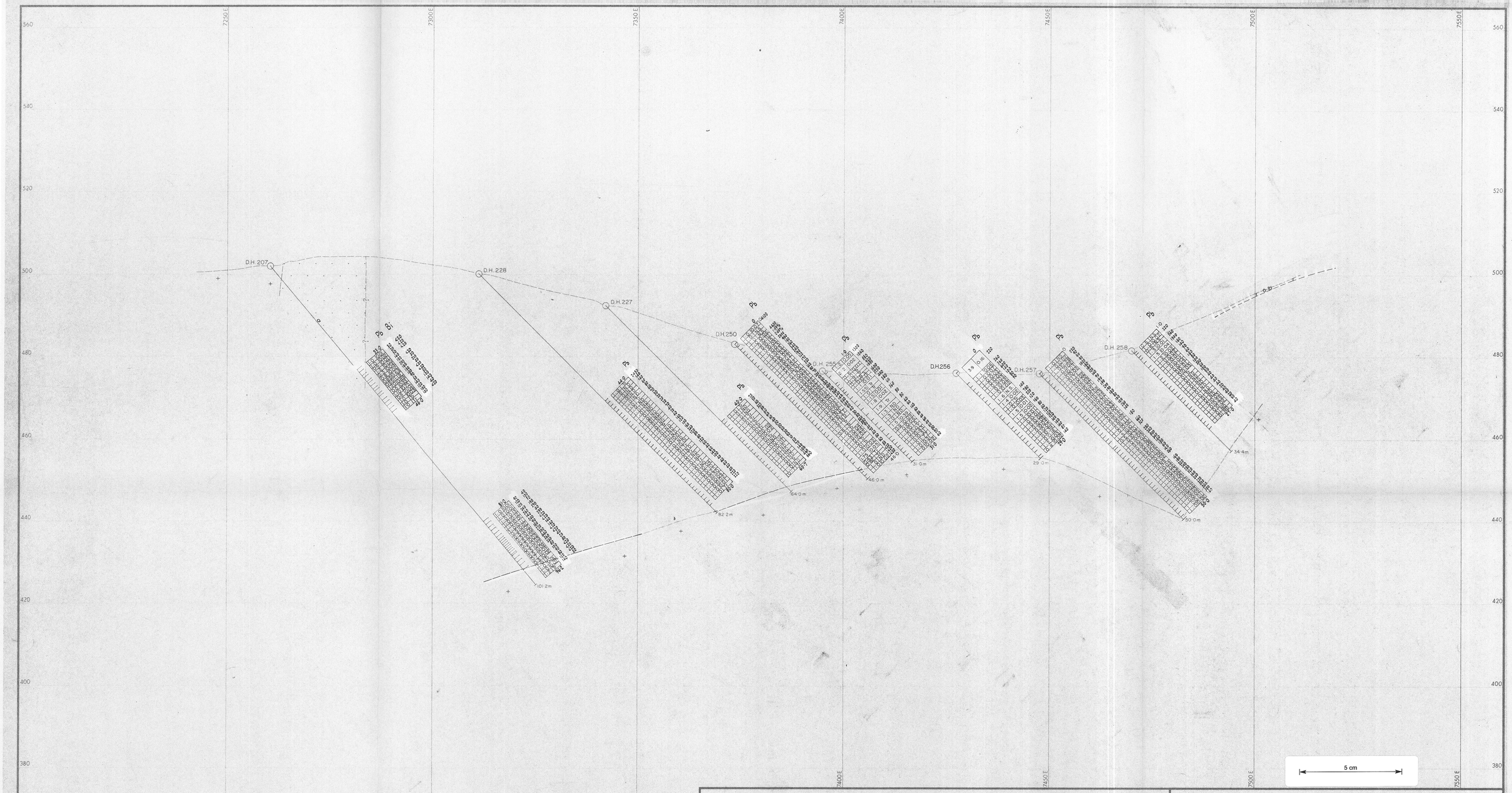
79-1337.
183177

ASSAY SECTION 5930 N
WO_3 Pb Bi

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 5 ~~78/AX6~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 3/10/1978	PROJECT NO. 21081	REVISIONS: 6836



REFERENCE

- C — Clay
- B — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- Granite
- Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0.1%
- 0.1-0.2%
- 0.2-0.3%
- 0.3-0.5%
- 0.5-0.7%
- 0.7-1.0%
- >1.0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Assays — % WO_3 — Core Length (m)

p.p.m. Pb 1740 Bi 240

Ok – denotes significant oxidation of scheelite

S – denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79-1337

TASMANIA 183178

ASSAY SECTION 5980 N

WO_3 Pb Bi

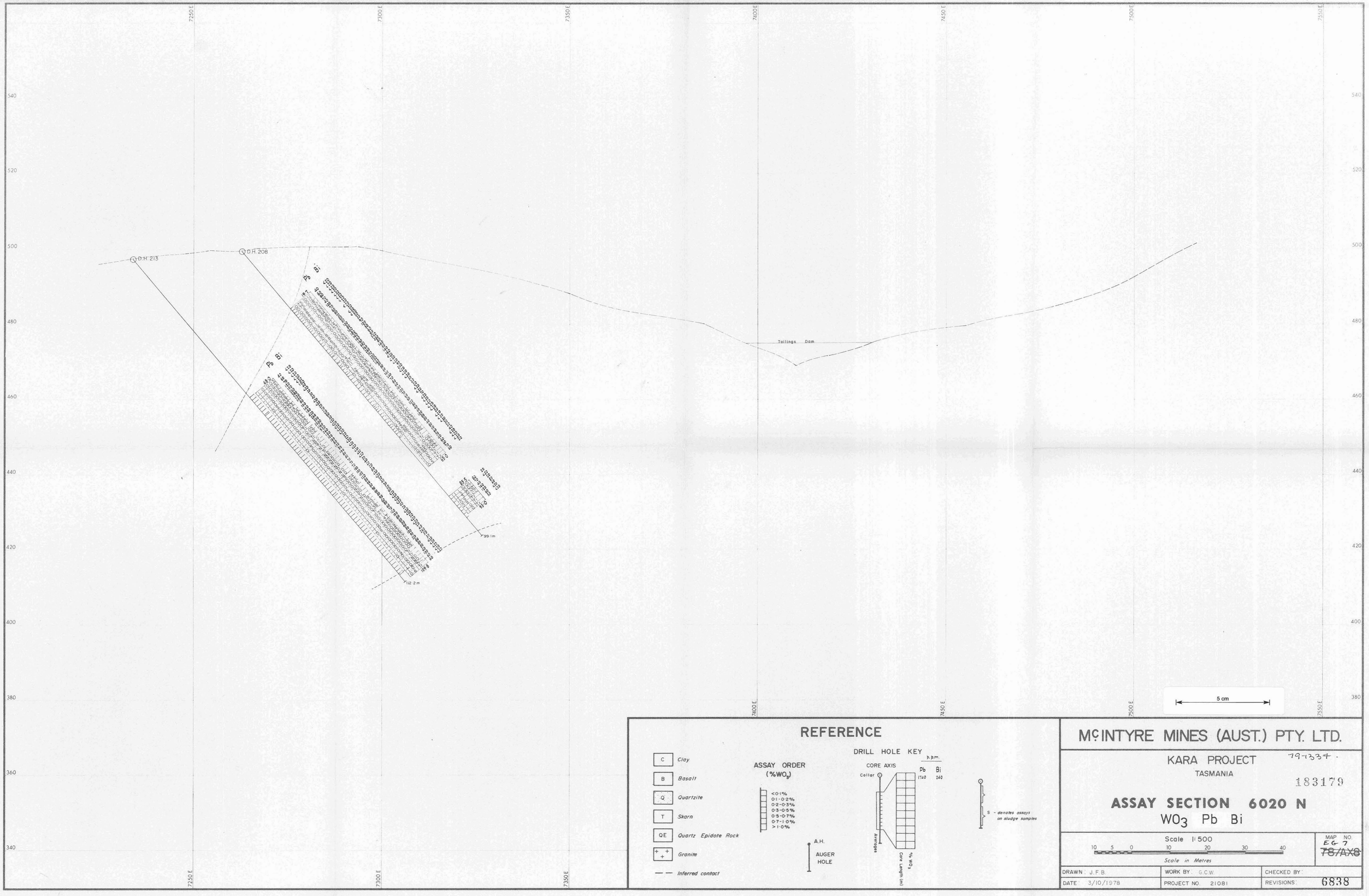
Scale 1:500

10 5 0 10 20 30 40

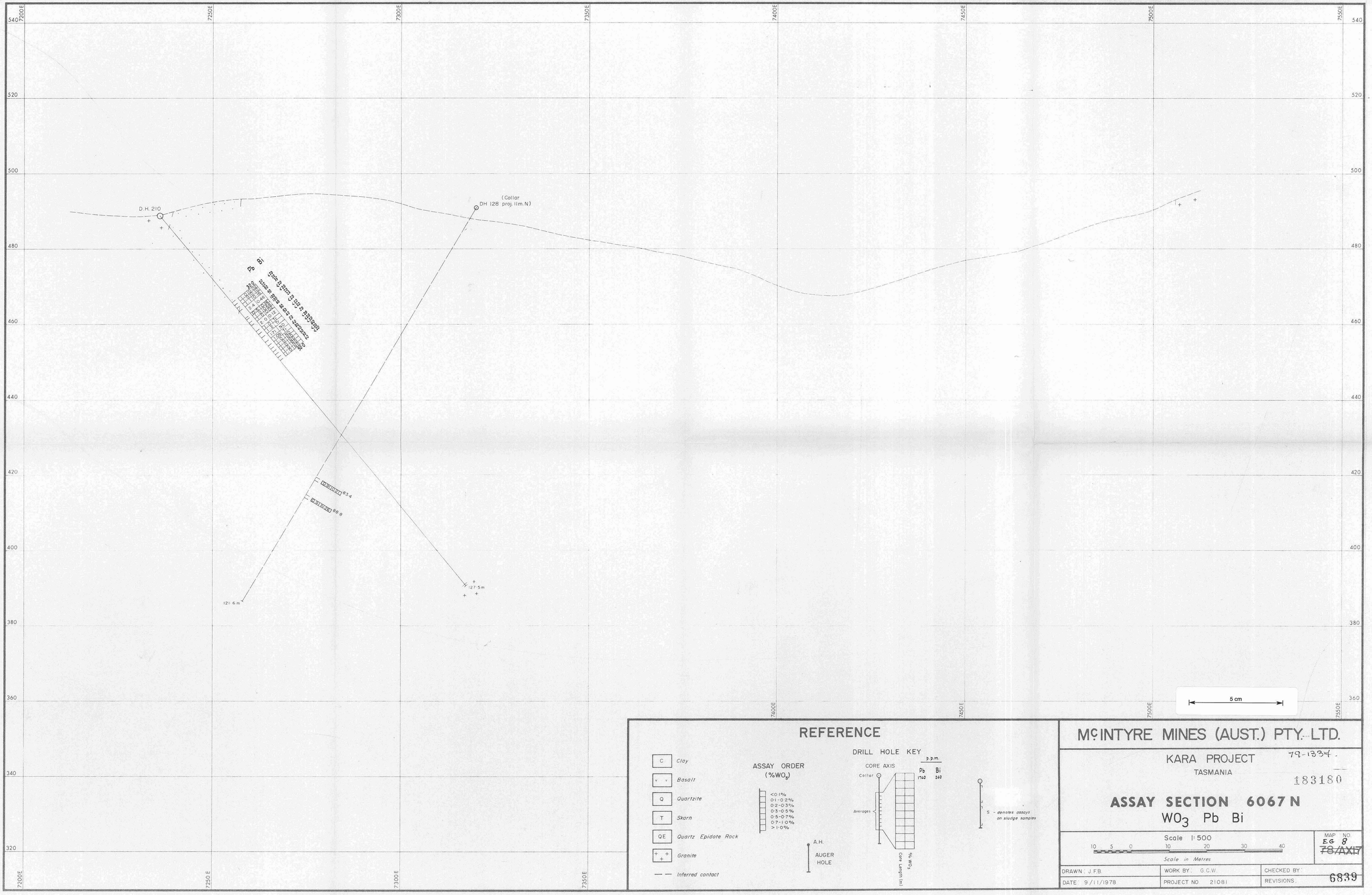
Scale in Metres

MAP NO. EG G ~~78/AX7~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 3/10/78	PROJECT NO. 2108I	REVISIONS: 6837



7250 E
7300 E
7350 E
7400 E
7450 E
7500 E
7550 E
540
520
500
480
460
440
420
400
380
360
340
D.H. 213
D.H. 208
Pb Bi
Pb Bi
Tailings Dam
99.1m
112.2m
5 cm
REFERENCE
C Clay
B Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER (%WO3)
<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%
A.H.
AUGER HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
Core Length (m)
% WO3
p.p.m.
Pb 1740
Bi 240
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
79-1334.
183179
ASSAY SECTION 6020 N
WO3 Pb Bi
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO. EG 7
~~78/AX8~~
DRAWN: J.F.B.
WORK BY: G.C.W.
CHECKED BY:
DATE: 3/10/1978
PROJECT NO. 21081
REVISIONS: 6838



REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0.1%
- 0.1-0.2%
- 0.2-0.3%
- 0.3-0.5%
- 0.5-0.7%
- 0.7-1.0%
- >1.0%

A.H. AUGER HOLE

DRILL HOLE KEY

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

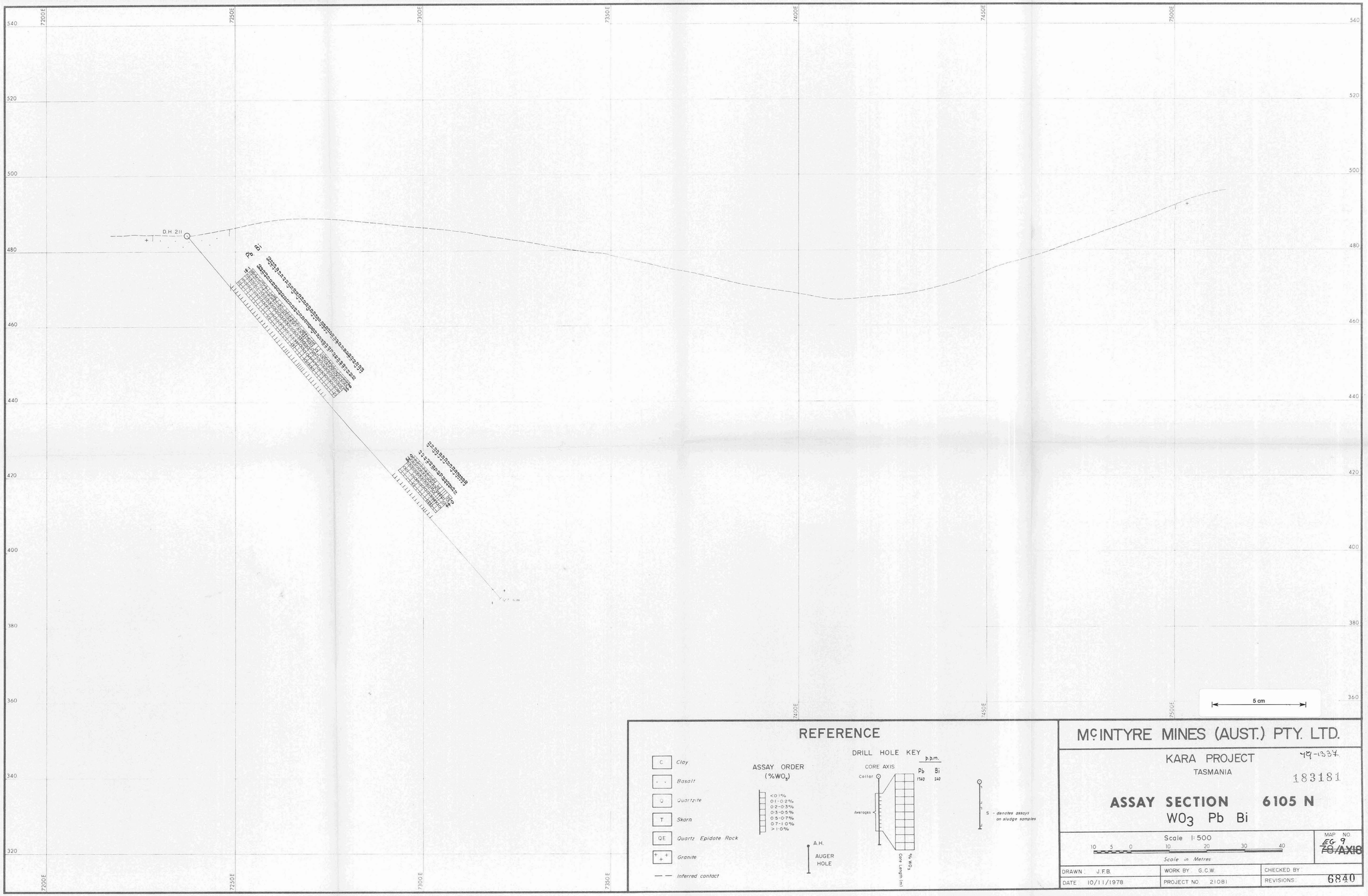
KARA PROJECT 79-1334
TASMANIA
183180

ASSAY SECTION 6067 N
WO_3 Pb Bi

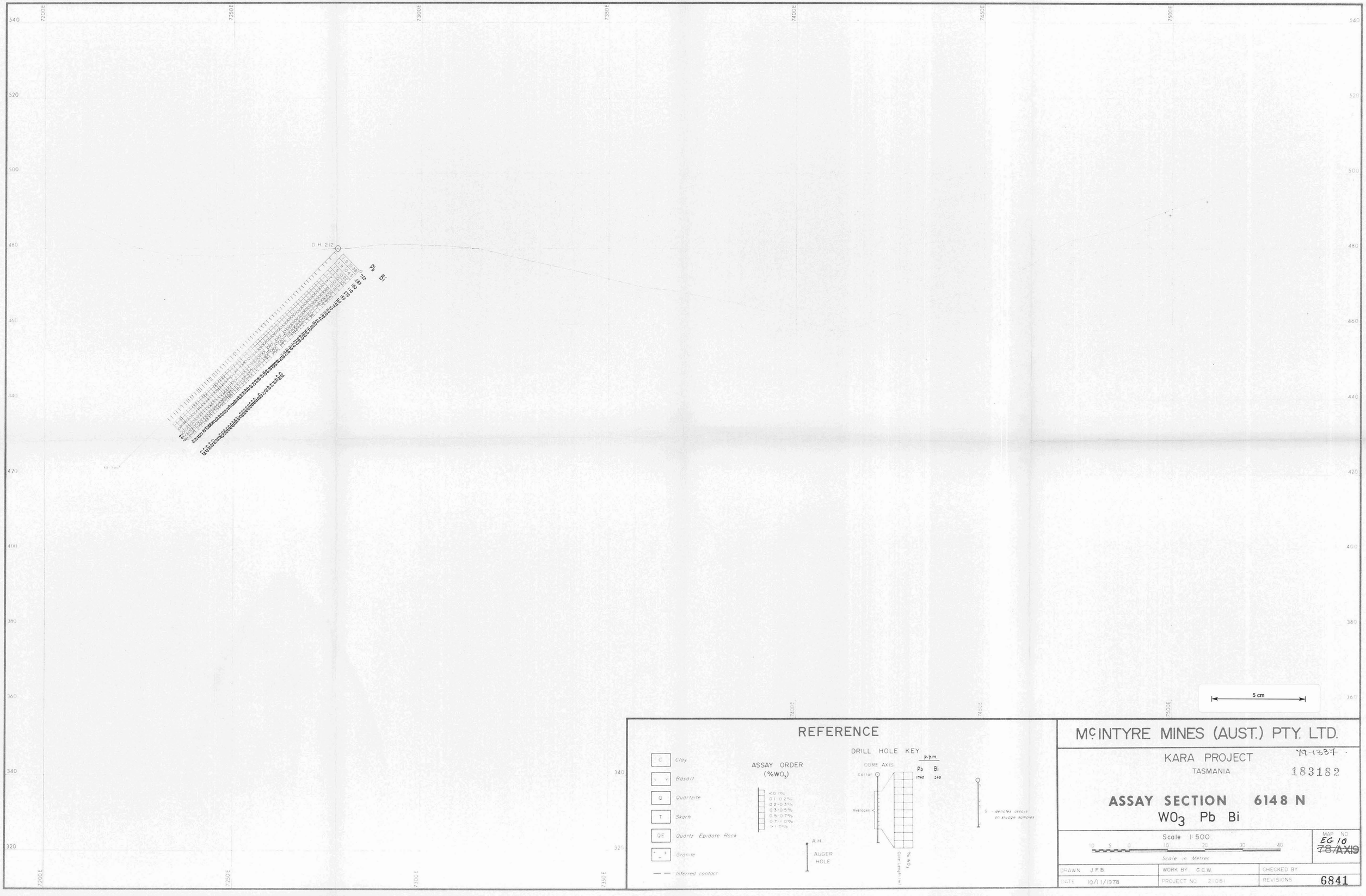
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 8 ~~78/AX17~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 9/11/1978	PROJECT NO. 21081	REVISIONS: 6839



7200E
7250E
7300E
7350E
7400E
7450E
7500E
540
520
500
480
460
440
420
400
380
360
340
320
D.H. 211
Pb Bi
5 cm
REFERENCE
C Clay
Basalt
Q Quartzite
T Skarn
QE Quartz Epidote Rock
Granite
Inferred contact
ASSAY ORDER
(%WO3)
<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%
A.H.
AUGER HOLE
DRILL HOLE KEY
CORE AXIS
Collar
Averages
p.p.m.
Pb Bi
1740 240
% WO3
Core Length (m)
S - denotes assays on sludge samples
McINTYRE MINES (AUST.) PTY. LTD.
KARA PROJECT
TASMANIA
49-1337
183181
ASSAY SECTION 6105 N
WO3 Pb Bi
Scale 1:500
10 5 0 10 20 30 40
Scale in Metres
MAP NO.
EG 9
~~78/AX18~~
DRAWN: J.F.B.
DATE: 10/11/1978
WORK BY: G.C.W.
PROJECT NO. 21081
CHECKED BY:
REVISIONS:
6840



McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT

TASMANIA

79-1337

183182

ASSAY SECTION 6148 N

WO_3 Pb Bi

Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO EG 10 ~~78/AX19~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY
DATE 10/11/1978	PROJECT NO 21081	REVISIONS 6841



McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT

TASMANIA

79-337

183183

ASSAY SECTION 6230N

WO_3 Pb Bi

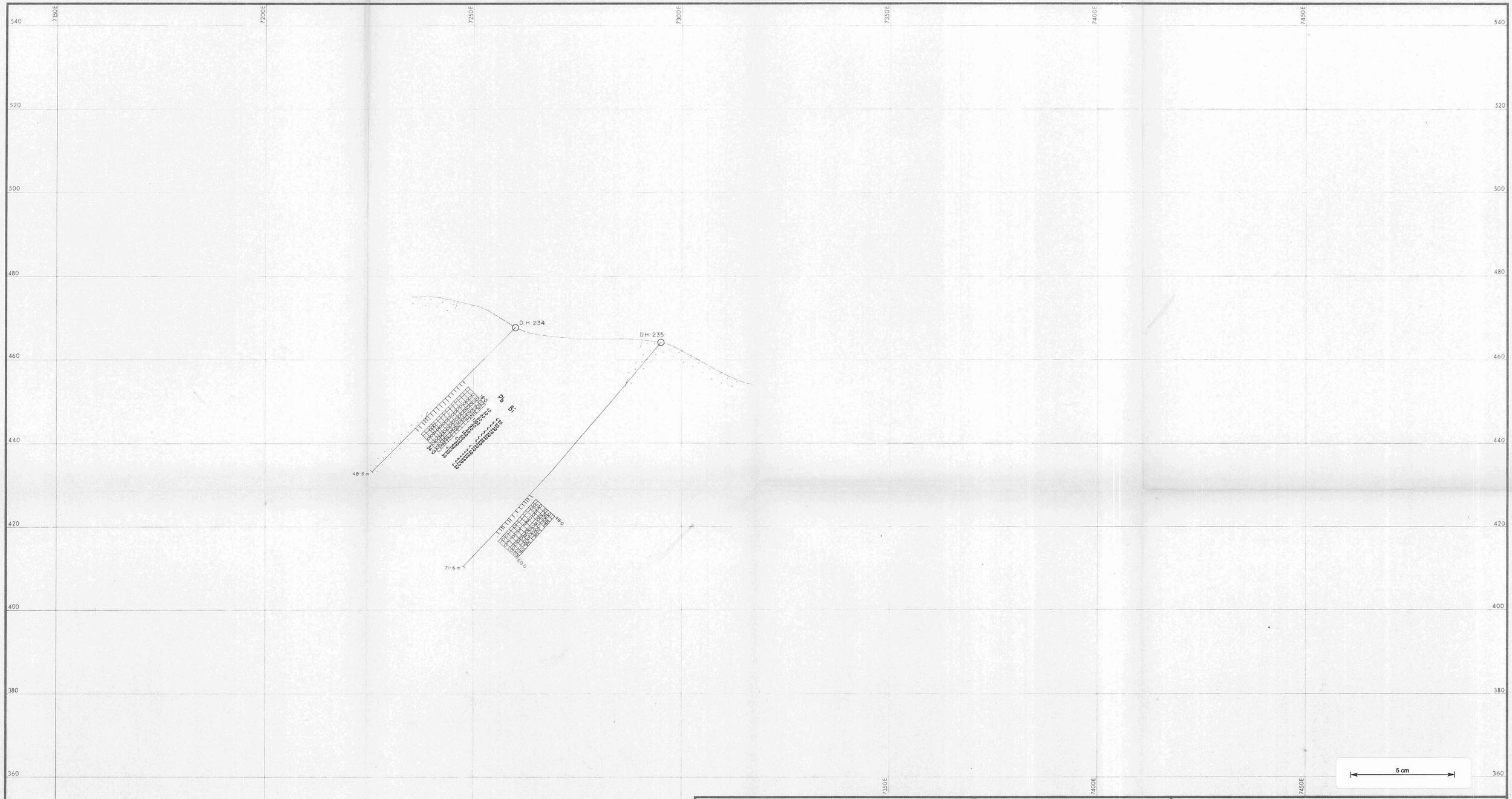
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EG 11 ~~78/AX21~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY
DATE 10/11/1978	PROJECT NO. 21081	REVISIONS 6842



REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

<0·1%
0·1-0·2%
0·2-0·3%
0·3-0·5%
0·5-0·7%
0·7-1·0%
>1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — % WO_3 — Core Length (m)

p.p.m. Pb 1140 Bi 240

S – denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT 79 137

TASMANIA

183184

ASSAY SECTION 6310 N

WO_3 Pb Bi

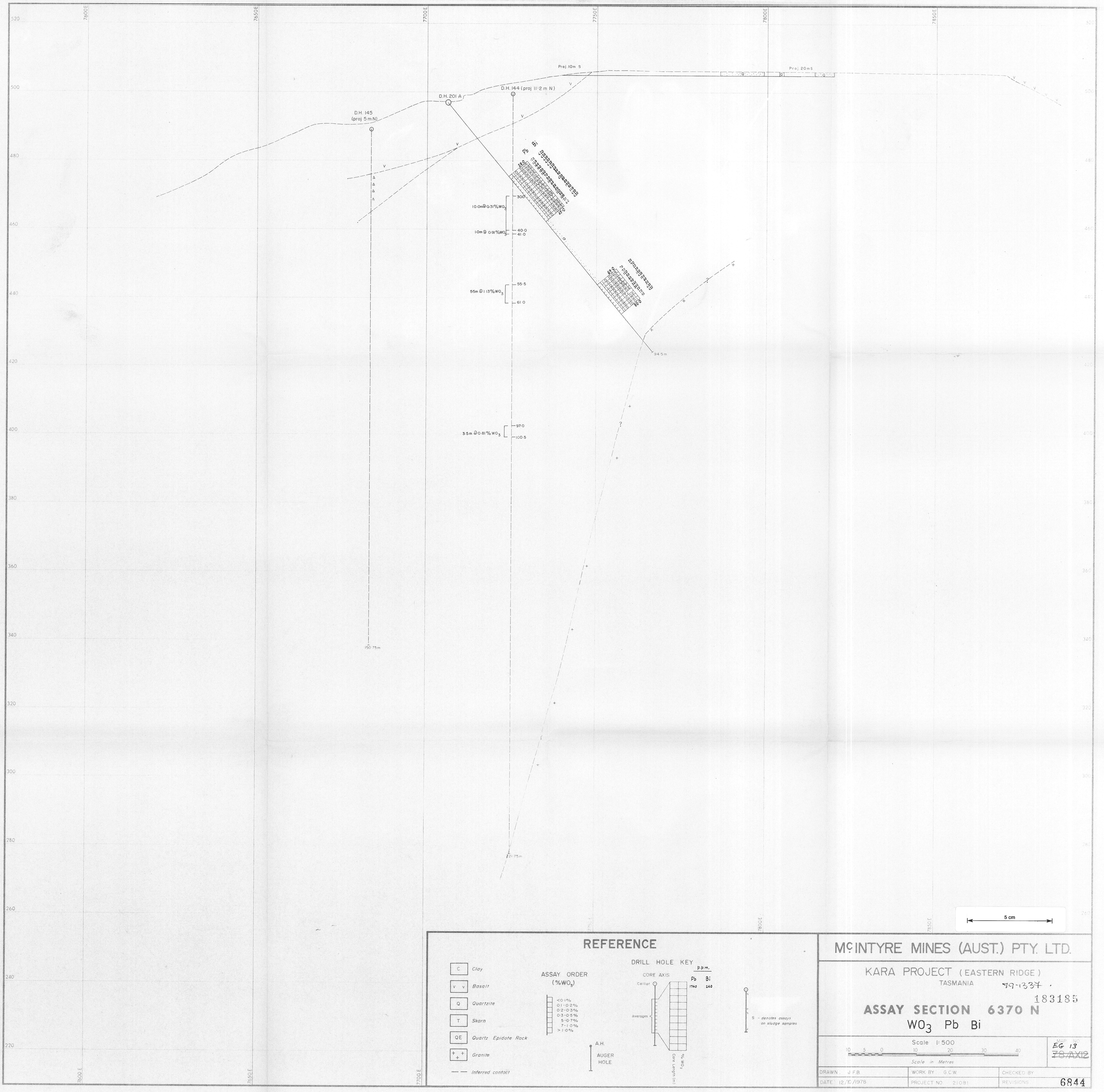
Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EG 12 ~~78/AX22~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 13/11/1978	PROJECT NO. 21081	REVISIONS: 6843



REFERENCE

C	Clay
v v	Basalt
Q	Quartzite
T	Skarn
QE	Quartz Epidote Rock
+ + +	Granite
— —	Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 5-0·7%
- 7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS

Collar

Averages

p.p.m.

Pb	Bi
1740	240

Core Length (m) $\%WO_3$

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)

TASMANIA

79-1337

183185

ASSAY SECTION 6370 N

WO_3 Pb Bi

Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EG 13 ~~78/AX12~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY
DATE 12/10/1978	PROJECT NO. 21081	REVISIONS 6844

7600 E 7650 E 7700 E 7750 E 7800 E 7850 E

580 560 540 520 500 480 460 440 420 400 380 360 340 320 300 280

D.H. 202

Pb Bi

126·30m

5 cm

REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 5-0·7%
- 7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — $\%WO_3$ — Core Length (m)

p.p.m. Pb 1740 Bi 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA 79-337

ASSAY SECTION 6416 N
WO_3 Pb Bi 183186

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 14 ~~78/AX13~~

DRAWN J.F.B.	WORK BY G.C.W.	CHECKED BY 6845
DATE 13/10/1978	PROJECT NO. 21081	REVISIONS



REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1 - 0·2%
- 0·2 - 0·3%
- 0·3 - 0·5%
- 5 - 0·7%
- 7 - 1·0%
- > 1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — $\%WO_3$

p.p.m. Pb 1740 Bi 240

S - denotes assays on sludge samples

5 cm

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA 79-1337.

ASSAY SECTION 6450 N

WO_3 Pb Bi 183187

Scale 1:500

10 5 0 10 20 30 40

Scale in Metres

MAP NO. EG 15 ~~78/AX14~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY:
DATE: 13/10/1978	PROJECT NO. 21081	REVISIONS: 6846

LOOKING 003°

DH 151

Pb Bi

186 m

5 cm

REFERENCE

- C — Clay
- V V — Basalt
- Q — Quartzite
- T — Skarn
- QE — Quartz Epidote Rock
- + + + — Granite
- — — Inferred contact

ASSAY ORDER ($\%WO_3$)

- <0·1%
- 0·1-0·2%
- 0·2-0·3%
- 0·3-0·5%
- 0·5-0·7%
- 0·7-1·0%
- >1·0%

A.H. AUGER HOLE

DRILL HOLE KEY

CORE AXIS — Collar — Averages — Core Length (m) — % WO_3

p.p.m. Pb 1740 Bi 240

S - denotes assays on sludge samples

McINTYRE MINES (AUST.) PTY. LTD.

KARA PROJECT (EASTERN RIDGE)
TASMANIA

79-1337
183188

ASSAY SECTION 6505 N (at collar)

WO_3 Pb Bi

Scale 1:500
10 5 0 10 20 30 40
Scale in Metres

MAP NO. EG 16
~~78/AX15~~

DRAWN: J.F.B.	WORK BY: G.C.W.	CHECKED BY: 6847
DATE: 16/10/1978	PROJECT NO. 21081	REVISIONS: