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AMDEX MINING LIMITED

TRIAKO MINES N.L., BUKA MINERALS N.L.,

GIPPSLAND MINERALS N.L., KIBUKA MINES PTY. LTD.

169 MILLER STREET, NORTH SYDNEY. AUSTRALIA 2060

80-1435.

TECHNICAL REPORT

SCOTIA LEAD, TASMANIA

REPORT FOR THE SIX MONTH

PERIOD ENDING 25th JANUARY, 1980

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INVESTIGATIONS CONDUCTED BY: T.I. Neale and R. Munro, Kibuka Mines Pty. Ltd.

TYPED BY: R. McNicol

DATE:

DISTRIBUTION: Department of Mines, Hobart, Tasmania
Kibuka Mines Pty. Ltd., Pioneer, Tasmania
Kibuka Mines Pty. Ltd., Sydney, N.S.W.

PROJECT: D 132 Scotia Lead, Tasmania

1 : 250,000 SHEET INDEX NO: SK 55-4

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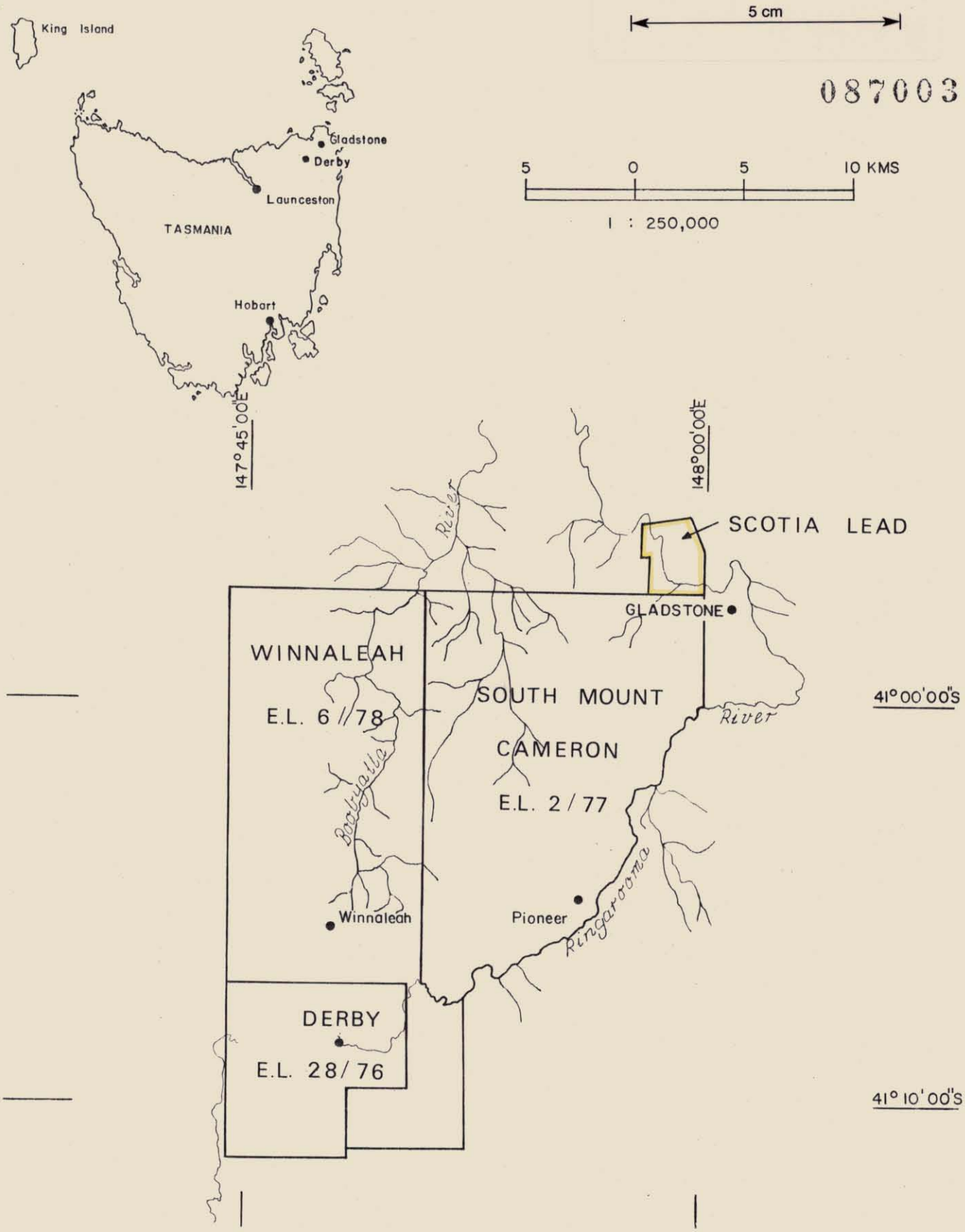

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NORTH - EASTERN TASMANIA LOCATION MAP

SHOWING CURRENT E.L.'S

FIGURE 1

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INTRODUCTION

A.P 1/80

Exploration rights to the Scotia area, S.R. 166/67 and S.R. 1976/198, were granted to Kibuka Mines Pty. Limited, for an initial six months from 23rd July, 1976. The rights to explore this area have been renewed for successive six monthly periods to the present time.

This report details the work carried out on the Scotia area during the six months ending 25th January, 1980.

ACTIVITIES

Assessment

A re-evaluation of the reserves of the Scotia Lead was attempted in November. It quickly became apparent that all previous evaluations - Storey Creek, B.M.I. and Amdex (1976) - were based on grades calculated by the Mines Department and that the main differences between the reserve figures were a function of the batter angles chosen.

Recent analysis of grade calculation methods has indicated that the traditional method using Radford Factor volumes as a basis for the calculation of grade require further investigation. No meaningful re-evaluation of the Scotia reserves can be completed until the original drill logs and assay data have been obtained and the best method of grade calculation is determined. To this end, we have made a request to B.M.I. for all their compilation of Mines Department data by Standard as well as their drill hole logs. Further evaluation will be undertaken when the data is received.

Drilling

Percussion drilling of the Scotia area using a Mines Department rig commenced in December 1979.

Prior to the Christmas period, the first two holes (AS 4 and AS 5) of Phase 1 were completed. Both holes failed to intersect payable quantities of tin. The remaining two holes on the first line of Phase 1 will commence in late January when the Mines Department drillers return from annual leave.

Previous workers at Scotia have reported considerable trouble with running ground. However, recovered volumes for the current cable tool percussion drilling programme have been most satisfactory.

Enclosed are the logs of AS 4 and AS 5, the first two holes completed as part of Phase 1 and a drill hole location map.

In view of the disappointing results obtained to date it is planned, on the completion of the first line of holes, to move approximately 300 m north towards Block 3 to test if the Lead has once again become tin-bearing.

T. Neale

Kibuka Mines Pty. Ltd.
23rd February 1980

APPENDIX I

Drill Logs - Holes AS 4 and AS 5

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: Scotia HOLE NO.: AS 4 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 7/12/79 Driller: J Groves Assistant: M Whitmore Sample Washer: S Moore Geologist: R Munro Cutting shoe diameter: 16.02 cm
to 13/12/79 Theoretical Volume: 0.040 m^3 Casing diameter: 15.24 cm

Section From	Metres To	Sample No.	Recovered Volume % X100	Corrected Volume m^3 80%Rad F	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval SnO_2 kg/m	Value over Interval SnO_2 lbs/yd^3	Description of Sample
0	2	7449	0.60	0.032	66.605	1.51	45	0.076	Coarse and fine sand, red, white and yellow clay, black top soil medium and small wash. Tin,
									ilmenite.
2	4	7450	0.80	0.032	83.353	0.11	4	0.007	Coarse and fine sand, grey and orange clay. Ilmenite.
4	6	7451	0.70	0.032	86.834	0.04	2	0.003	Coarse and fine sand, drift.
									Ilmenite.
6	8	7452	0.52	0.032	76.214	0.06	2	0.003	As above
8	10	7453	0.63	0.032	82.555	0.07	3	0.004	As above
10	12	7454	0.59	0.032	58.756	0.11	3	0.005	Coarse and fine sand, white
									clay. Ilmenite, monazite.
12	14	7455	0.45	0.032	47.88	0.10	2	0.004	As above
14	16	7456	0.48	0.032	48.475	0.12	3	0.004	As above. no ilmenite.
16	18	7457	0.71	0.032	61.67	0.08	2	0.004	Coarse and fine sand, large
									drift. Monazite.
18	20	7458	0.90	0.032	56.885	0.07	2	0.003	As above
20	22	7459	0.71	0.032	41.013	0.20	4	0.006	As above.

Drillers reported basement at ---37--- m. Overall value from surface to --40--- m. ---27--- gSnO_2/m^3

Interval of tin bearing wash ---------- m. ---------- 0.045 lbsSnO_2/yd^3

Grade - Method 2 - 29g SnO_2/m^3 (cassiterite 70% Sn)

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AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: HOLE NO.: COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:
Theoretical Volume: m^3 Casing diameter:

Section From	Section To	Sample No.	Recovered Volume %	Corrected Volume m^3	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval SnO_2 kg/m	Value over Interval SnO_2 lbs/yd^3	Description of Sample
22	24	7460	0.70	0.032	48.033	0.14	3	0.005	Coarse and fine sand, brown clay. Monazite, ilmenite.
24	26	7461	0.60	0.032	10.267	2.26	10	0.017	Fine sand. Trace of tin,
									very fine), ilmenite.
26	28	7462	0.68	0.032	7.058	5.75	18	0.031	As above
28	30	7463	0.57	0.0321	30.99	0.60	8	0.014	As above with pyrite.
30	32	7464	0.44	0.032	22.219	30.6	304	0.511	Coarse and fine sand, large
									drift, medium wash, grey clay. Coarse tin and pyrite.
32	34	7465	0.59	0.032	6.493	14.4	42	0.070	Coarse and fine sand, large
									drift. Trace of tin, pyrite.
34	36	7466	0.66	0.032	13.76	0.61	4	0.006	As above with brown clay.
36	38	7467	0.42	0.032	23.523	1.83	19	0.032	Coarse and fine sand, brown
									clay, slate. Fine tin, ilmenit and pyrite.
38	39	7468	0.32	0.016	44.064	1.16	46	0.077	Fine sand, pyrite lumps, hard
									slate. Fine tin, ilmenite and pyrite.
39	40	7469	0.36	0.016	54.311	1.44	70	0.118	As above with soft slate.

Drillers reported basement at _____ m. Overall value from surface to _____ m. _____ g SnO_2/m^3

Interval of tin bearing wash _____ m. _____ lbs SnO_2/yd^3

Cassiterite (Fe - 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: Scotia HOLE NO.: AS 5 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 17/12/79 Driller: J Groves Assistant: M Whitmore Sample Washer: S Moore Geologist: R Munro Cutting shoe diameter: 16.02 cm
20/12/79 Theoretical Volume: 0.040 m^3 B Shean Casing diameter: 15.24 cm

Section Metres From	To	Sample No.	Recovered Volume %	Corrected Volume m^3	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval SnO_2 g/m	Value over Interval SnO_2 lbs/yd^3	Description of Sample
0	2	7470	X100 0.76	80% Radi 0.032	5.482	10.2	25	0.042	Black top soil, coarse and fine sand, yellow clay, brown cement small wash. Small amount of tin and monazite.
2	4	7471	0.79	0.032	41.071	0.35	6	0.011	Coarse and fine sand, large drift. Monazite. Yellow clay.
4	6	7472	0.92	0.032	74.802	0.10	3	0.006	Coarse and fine sand, large drift. Monazite.
6	8	7473	0.70	0.032	37.442	0.10	2	0.003	As above
8	10	7474	0.55	0.032	58.254	0.07	2	0.003	Coarse and fine sand, yellow clay. Monazite.
10	12	7475	0.82	0.032	65.083	0.10	3	0.005	Coarse and fine sand, large drift. Monazite.
12	14	7476	0.53	0.032	29.042	0.66	9	0.014	Coarse and fine sand white clay. Ilmenite, monazite.
14	16	7477	0.71	0.032	38.05	0.41	7	0.012	Coarse and fine sand, large drift. Ilmenite, monazite.
16	18	7478	0.58	0.032	49.099	0.24	5	0.009	Coarse and fine sand white clay. Ilmenite, monazite.
18	20	7479	0.53	0.032	34.673	0.20	3	0.005	Coarse and fine sand, large drift. Ilmenite, monazite.
20	22	7480	0.88	0.032	50.601	0.05	1	0.002	As above

Drillers reported basement at 47 m. Overall value from surface to 48 m 28 gSnO_2/m^3

Interval of tin bearing wash ---------- m 0.048 lbsSnO_2/yd^3

Grade method 2 - 29 g SnO2/m3 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: HOLE NO.: COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:
Theoretical Volume: m^3 Casing diameter:

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m^3	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
From	To		X100	80% RadF			SnO_2 g/m	SnO_2 lbs/yd^3	
22	24	7481	0.59	0.032	63.883	0.85	24	0.041	Coarse and fine sand, large drift, small wash, white clay Monazite, trace of tin.
24	26	7482	0.38	0.032	64.518	0.55	16	0.027	As above, no white clay.
26	28	7483	0.50	0.032	55.710	0.28	7	0.012	As above, no white clay.
28	30	7484	0.43	0.032	53.386	0.11	3	0.004	Coarse and fine sand, large
									drift, brown clay. Monazite.
30	32	7485	0.77	0.032	55.663	0.05	1	0.002	Coarse and fine sand, large
									drift, brown clay. Pyrite and monazite.
32	34	7486	0.61	0.032	55.332	0.04	1	0.002	As above, no monazite.
34	36	7487	0.331	0.032	61.076	0.31	8	0.014	Coarse and fine sand, large
									drift, brown organic silt. Pyrite and monazite.
38	38	7488	0.71	0.032	63.995	1.05	30	0.050	Coarse and fine sand. large
									drift, small wash. Fine tin and pyrite.
38	40	7489	0.82	0.032	45.978	2.98	61	0.103	As above with white clay.
40	42	7490	0.42	0.032	52.285	0.51	12	0.020	Coarse and fine sand. Fine ti and pyrite.
42	44	7491	1.10	0.035	66.667	1.81	54	0.091	Coarse and fine sand, large

Drillers reported basement at _____ m. Overall value from surface to drift, small wash, _____ m _____ $gSnO_2/m^3$
grey clay.
Interval of tin bearing wash _____ m. _____ $lbsSnO_2/yd^3$
(cassiterite 70% Sn)

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AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: HOLE NO.: COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:

Theoretical Volume: m^3 Casing diameter:

Section From	Section To	Sample No.	Recovered Volume %	Corrected Volume m^3	Weight Concentrate (gms)	Concentrate Assay % Sn	Value over Interval SnO_2 g/m	Value over Interval SnO_2 lbs/yd^3	Description of Sample
44	46	7492	1.05	0.034	74.285	8.75	290	0.489	Coarse and fine sand, large drift, medium wash, white cla tin and pyrite.
46	48	7493	0.62	0.032	21.934	11.15	109	0.184	Coarse and fine sand, medium wash, slate, white and grey clay. Tin and pyrite.

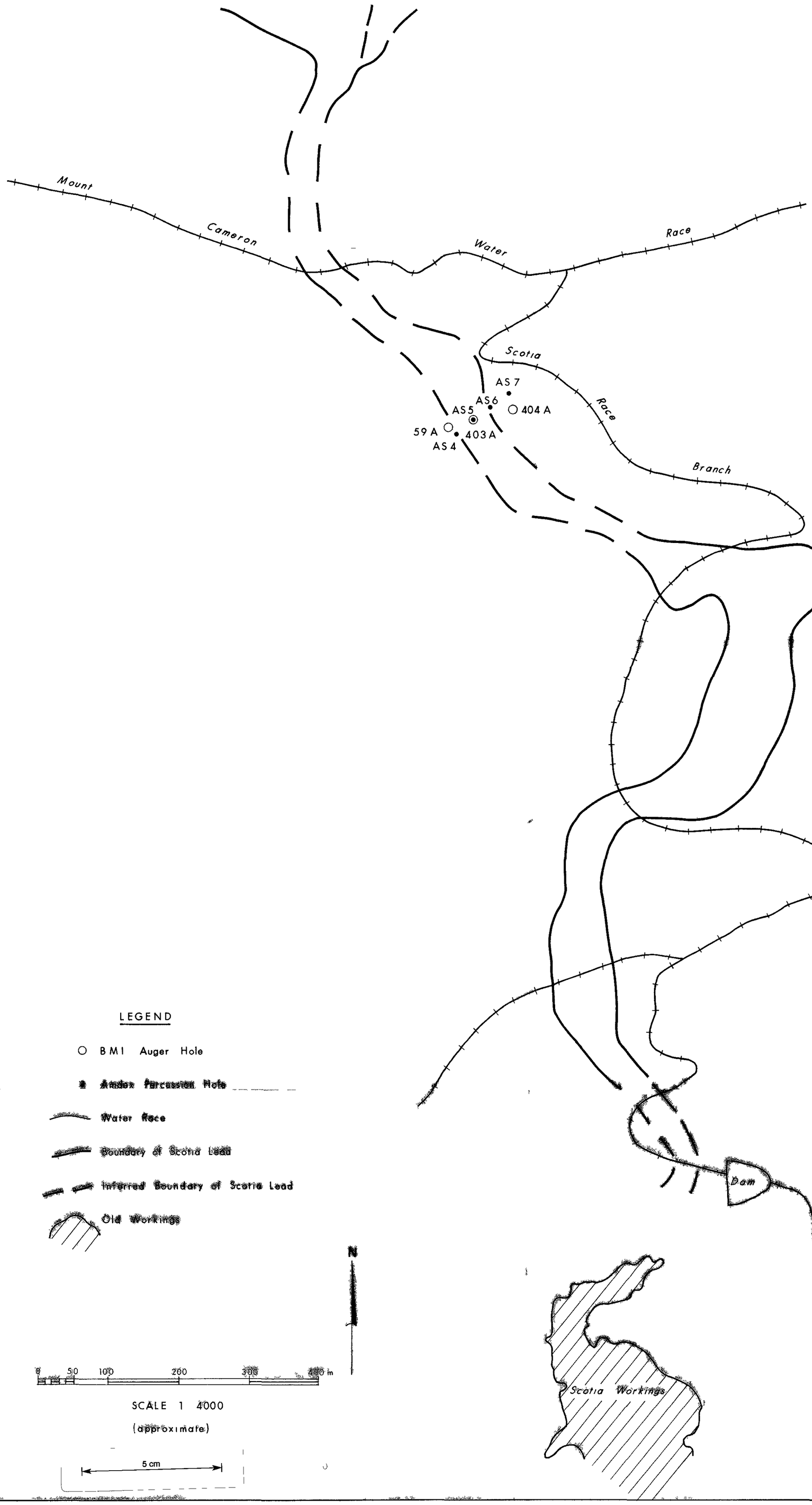
At 48 metres quartz veined hornfels were encountered terminating drilling.

Drillers reported basement at ---------- m. Overall value from surface to ---------- m. ---------- gSnO_2/m^3

Interval of tin bearing wash ---------- m. ---------- lbsSnO_2/yd^3

(cassiterite 70% Sn)

012



LEGEND

- BMI Auger Hole
- Amdex Percussion Hole
- Water Race
- Boundary of Scotia Lead
- Inferred Boundary of Scotia Lead
- Old Workings

N

0 50 100 200 300 400 m

SCALE 1 4000

(approximate)

5 cm

Amdex Mining Limited

SCOTIA LEAD

LOCATION PLAN SHOWING

AS4 & AS5 PERCUSSION HOLES

Author T I NEALE	Date March, 1980	Dwg No T 34	FIGURE 2
Drawng B G	Report No.	Base Plan	

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