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GOPHOTO MINERALS REPORT 1972/28

GEOCHEMICAL AND GEOLOGICAL INVESTIGATION  
OF THE CREAM CREEK PROSPECT  
FROME RIVER PROJECT, BLUE TIER  
E.L.6/68, N.E. TASMANIA

**MICROFILMED**

Prepared by

GOPHOTO RESOURCES CONSULTANTS

for

TEXINS DEVELOPMENT PTY. LIMITED

I.R. Mortimore  
1974

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## INTRODUCTION

Early in 1970, a brief reconnaissance of the Frome River area, on the northern fall of the Blue Tier Range, was made to assess the tin/copper potential of a number of Devonian "tin" granite occurrences to be found in this area.

The F.B. Lode, located on the southern side of the project area, had been the subject of an intense drilling programme (9 holes) conducted by the Mines Department in the 1940's.

The work in 1970, aimed at examining the northern extensions of this lode, located a number of old workings which were designated the Hibernus Creek Workings, the Cream Creek Workings and the Spinks Workings, all located to the north of the F.B. Lode.

A total of 122 rock chip samples were recovered and these analysed for Cu. and Sn. The results are tabulated in the appendix - laboratory reports 285/1-2, 286/1 and 290/1.

A rough sketch map illustrating the approximate locations of the workings was compiled using the limited information gained in the reconnaissance and geological data from the work of D.E. Thomas in 1943 (Mines Department).

This map (drawing 1/124) and discussion of the results are found in Geophoto Minerals Report 1970/42. Recommendations made in this report formed the basis for future work, although with certain fundamental changes.

First and foremost, additional field work established the workings originally thought to be the Spinks Workings as being in fact the Cream Creek Mine and the Devonian "tin"

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granite as being a continuous mass from south of the F.B. Lode to north of the now established Cream Creek Mine.

To this day, the actual Spinks Workings have not been located in this area of thick temperate rain forest.

Further, upon re-examination of the results of the earlier work and in the light of the findings of the Mines Department drilling programme, it was decided the northern extensions of the F.B. Lode in the vicinity of the Hibernus Creek Workings did not warrant further expenditure.

The Cream Creek Mine did however, warrant further attention on the basis of (a) the interesting copper values obtained in the rock-chip sampling programme (J1 - J20) and (b) the fact that the mine, in the past, had been a small producing tin mine, opened up on a "floor" type deposit, typical of the Blue Tier Tinfield.

It was decided the follow-up work should take the form (a) detailed geological mapping (b) soil geochemistry (c) cobra rock drilling.

GEOLOGY

Detailed geological mapping was commenced in late 1971 but never completed due to pressure from other quarters in the early part of 1972 and the discouraging results obtained from the other phases of work which were completed.

The unfinished geological map is included in the appendix - drawing A-207.

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Three distinct rock types, designated Dg, Dmt and Dmtg, were identified and their contacts mapped in the vicinity of the main workings (see map).

In the south-eastern sector of the grid area, typical coarse grained porphyritic biotite adamellites (Dg), commonly found over large expanses of the Blue Tier area, were identified often in a highly decomposed condition.

This area has been extensively mined to depths to 15 feet, the workings ranging from open cuts (100 ft. by 100 ft.) to narrow trenches linking the larger workings.

The mode of mining in this sector has been two-fold. In one instance, numerous quartz-greisen and mica-greisen veins varying in width to approx. 30 inches have been worked, creating trenches striking in a general  $310^{\circ}$  -  $330^{\circ}$  direction with a second less developed set of veins (and trenches) striking  $040^{\circ}$  -  $060^{\circ}$ .

Narrow dykes/veins of greisenised muscovite-biotite granite (fine to medium grained) have also been exploited in a similar manner, presumably for cassiterite.

The second mode of mining has been to ground sluice the decomposed adamellites creating the larger open pits. With the intrusion of a late phase mineralising "tin" granite (Dmt/Dmtg) and the associated pneumatolytic action, the porphyritic rock types have themselves undergone decomposition and greisenisation under the influence of impregnating mineralising solutions. The decomposed nature has enabled them to be worked by normal hydraulic mining methods for their tin content.

As indicated in the above paragraph, the porphyritic

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adamellites have been intruded by a late phase mineralising biotite granite, generally medium to coarse grained, which in the contact zone shows evidence of greisenisation with the increased presence of muscovite, at the expense of biotite, and feldspar alteration to chlorite and kaolinite.

These granites have been divided into two units, dependent on the degree of greisenisation, and mapped as biotite granite (Dmt) and greisenised biotite-muscovite granite (Dmtg).

The contact between the two is a gradational one but basically follows the two tributaries forming Cream Creek (See map).

Good exposures of these granites, are to be found in the four open cuts which form the Cream Creek Mine.

The limited mapping revealed three prominent joint sets, two striking close to parallel with the strike of the vein systems within the porphyritic adamellites and a third flat dipping set apparent in the old workings.

Although not proven conclusively in this work, these joint patterns have undoubtedly been the controlling factor in the formation of the "floor" deposit we have here. Vertical or near vertical joints have acted as conduits for the mineralising solutions which have spread through the surrounding granite via the horizontal fractures.

Thus in two of the four main workings which comprise the Cream Creek Mine, distinct "floors" have been worked.

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MINERALISATION

The mineralisation identified within this area was confined to the greisenised granite (Dmtg) and the quartz-greisen veins within the porphyritic adamellites (Dg).

The adamellites, as mentioned above, appear to have been greisenised and worked for their tin content by sluicing. However evidence of these adamellites being mineralised was not sited in the field work.

The veins carry coarse aggregates of cassiterite (to 8mm) set in a predominantly quartz gangue with chlorite, muscovite and biotite. Minor pyrite, chalcopyrite and biotite are occasionally apparent.

In the vicinity of the workings within the greisenised contact zone (Dmtg), the main mineral apparent was chalcopyrite loosely disseminated through the granite matrix, particularly within the main workings to the north. Certain rock faces were seen to be covered with green or blue hydrated copper sulphates and/or carbonates.

Within the greisenised granites, the identification of cassiterite in a disseminated form was difficult to establish.

GEOCHEMISTRY - SOIL SAMPLING

(a) Orientation Soil Survey

An orientation survey was initially conducted with six holes being dug to basement, three over the porphyritic adamellites

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and three over the biotite granite/biotite-muscovite granite area.

Samples were taken from each of the individual soil horizons within each hole.

Each sample recovered was split into +20, -20/+80 and -80 mesh fractions and sent for analysis for Cu, Pb, Zn, Mo, Bi, Sn, Hg and a pH test. The results are tabulated in the appendix (laboratory sheets 856/1-6).

The results indicated analysis of the -20/+80 fraction was preferable for a good contrast in tin values while analysis of the -80 fraction produced the best contrast in the values for the remaining elements.

In general, for contrast in tin values, sampling of the upper residual soil layers produced the most favourable results while for the remaining elements sampling of the decomposed bedrock or immediately above was preferable.

No attempt was made to determine background values in this area, as at the time mapping was at an early stage with no data to discern between mineralised areas and non-mineralised areas.

(b) Soil Sampling Programme

A compromise was made to standardise the soil sampling technique. It was decided to sample from the horizon immediately above the bed-rock (solid or decomposed).

A total of 107 samples were recovered over the grid area on 100 feet centres.

All samples were analysed for Cu, Pb, Zn, Mo, Bi and Sn. The results are found at the rear of this report - laboratory sheets 935/1-10.

The results (copper and tin only) have been statistically treated using the Lepeltier Method, the anomalous zones being incorporated into drawing A-207.

Although three rock units are present, no attempt was made to treat the data for the three separately, for the following reasons.

One, the chemical composition of the two main rock types, the porphyritic adamellites and the biotite granite is very similar. The third unit is merely an altered biotite granite and in so being is expected to be possibly mineralised and therefore anomalous in its copper and tin values.

Secondly, there is insufficient data to divide into three for the individual rock types and still treat statistically.

As it is, the contrast in the tin values is poor, which makes the construction of a cumulative frequency distribution plot doubtful in its determination of a threshold value, the situation being further aggravated by the concentration of 0.04%, 0.06% and 0.08% readings at the expense of 0.03%, 0.05%, 0.07% etc etc.

The cumulative frequency distribution plot for copper shows two breaks (a negative and a positive) suggesting a dual distribution with two distinct populations in the data presented.

The cumulative frequency distribution plots for copper

and tin are found in the appendix - drawings A-208 and A-209.

The background and threshold values have been put at:-

Cu	Sn
b = 12ppm	b = 480ppm
t = 96ppm	t = 840ppm

Anomalous above threshold values for copper were found to form a narrow, sinuous zone stretching from around 02N + 02E through 07N + 03E, approximately 600 feet by 100 feet wide.

A single value of 205ppm Cu at 04N + 05E is probably due to the presence of dump material nearby, of greisenised granite carrying disseminated chalcopyrite.

The zone follows the porphyrite adamellite/greisenised biotite-muscovite granite contact (slightly removed to the east) before heading back over the granites in the vicinity of the main workings in the north.

Isolated above threshold copper values occur at 02N + 02W and 04N + 01W. These can be tied in together by the contouring in of the one standard deviation values ( 64ppm).

It is interesting to note that the background (12ppm) isograd for copper virtually follows the mapped contact between the altered, greisenised granites (Dmtg) and the basically unaltered biotite-granite (Dmt).

The plot of above threshold tin values fails to establish any worthwhile trend with the only anomalous values found over the northern part of the main workings with a fourth anomalous value isolated at 05N + 04E.

### COBRA ROCK DRILLING

A total of 56 cobra rock drill holes were drilled to a depth of 5 feet at various locations over the prospect area. The selection of drill sites was random, largely determined by the availability of fresh, unweathered rock outcrop.

The drill dust samples were analysed for Cu, Pb, Zn, Mo, Bi and Sn.

The results are tabulated at the rear of this report - laboratory sheets 890/1-2.

The results are generally disappointing with low, sub-economic tin values found over the whole area tested with only one value of 0.47% Sn (CCH35) of any significance.

The copper values were likewise poor, the only values of note (to 0.35% Cu) occurring within the main workings.

### CONCLUSIONS AND RECOMMENDATIONS

The target within this area, as stated in Minerals Report 1970/42 was an open cast Cu/Sn mine. With the data then on hand, it was evident the grade was likely to be low and consequently a large tonnage was required to support such an open-cast operation.

The geological mapping indicated a contact zone of greisenised, and possibly mineralised, granites with an area extent of approx. 300,000 sq. ft. (1000 ft. x 300 ft.). Assuming these granites may be mineralised to a depth of 100 ft. ("floor deposits of the Blue Tier rarely extend to depths

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greater than 100 ft. - one notable exception being the Anchor Mine to 150 ft. approx.) one would be looking at a tonnage of the order of only 2,000,000 tons within the Cream Creek prospect area. This could be increased by assuming, with fair justification, the contact zone to extend beneath the porphyritic adamellites at a shallow depth. The strong development of pneumatolytic veining suggests this could be the case.

However, for a tonnage of around 2,000,000 tons of ore to support a mining operation, the grade must remain moderately high.

Aberfoyle Tin Development in 1966 in their evaluation of the Anchor Mine on the Blue Tier had a designed target of 2,000,000 tons of 0.9 to 1.0% Sn.

With the rise in mining costs since that time this grade may need to be higher, although since 1966 the price of tin has risen from approx. \$A3000 per long ton to its present price of around \$A4200 per tonne, largely off setting the rise in mining costs.

A figure of 1% Sn can still be employed as a guideline to the grade required for a similar type deposit at Cream Creek.

The geochemistry (soil and cobra drilling) completed to date give no indications of these grade requirements being met.

The anomalous soil values were found over an area of only 600 feet by approx. 100 feet, largely away from the area of greisenised granites.

Further, from 56 drill holes, no grades comparable in value to 1% Sn were encountered.

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It must be concluded that the grades and associated tonnages necessary to support an open cut mining operation do not exist at Cream Creek and that no further work is warranted on this prospect.

I.R. MORTIMORE.

## APPENDIX I

## GEOCHEMICAL LABORATORY SHEETS

285/1-2

286/1

290/1

856/1-6

935/1-10

890/1-2

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No.: 001390/2 PROJECT No.: EL6-68 (Cream Crater)

LAB. SHEET No.: 285/1 SAMPLE TYPE: Rock DATE: 29th May, 1970

SAMPLE No.	LAB. No.	Cu	Sn%
CC1	70-E-1043	2	0.05
CC2	70-E-1044	Missing	Missing
CC3	70-E-1045	2	BLD
CC4	70-E-1046	BLD	BLD
CC5	70-E-1047	2	BLD
CC6	70-E-1048	2	BLD
CC7	70-E-1049	5	BLD
CC8	70-E-1050	2	BLD
CC9	70-E-1051	BLD	BLD
CC10	70-E-1052	BLD	BLD
CC11	70-E-1053	2	BLD
CC12	70-E-1054	2	BLD
CC13	70-E-1055	BLD	BLD
CC14	70-E-1056	BLD	BLD
CC15	70-E-1057	BLD	BLD
CC16	70-E-1058	2	0.05
CC17	70-E-1059	2	BLD
CC18	70-E-1060	BLD	BLD
CC19	70-E-1061	BLD	BLD
CC20	70-E-1062	BLD	BLD
CC21	70-E-1063	BLD	BLD
CC22	70-E-1064	BLD	BLD
CC23	70-E-1065	BLD	BLD
CC24	70-E-1066	BLD	BLD
CC25	70-E-1067	BLD	BLD
CC26	70-E-1068	BLD	0.05
CC27	70-E-1069	BLD	BLD
CC28	70-E-1070	Missing	Missing
CC29	70-E-1071	2	BLD
CC30	70-E-1072	2	BLD
CC31	70-E-1073	5	BLD
CC32	70-E-1074	2	BLD
CC33	70-E-1075	2	BLD
CC34	70-E-1076	2	BLD
CC35	70-E-1077	2	BLD
CC36	70-E-1078	5	BLD
CC37	70-E-1079	2	BLD
CC38	70-E-1080	2	BLD
CC39	70-E-1081	BLD	BLD
CC40	70-E-1082	2	BLD
CC41	70-E-1083	2	BLD
CC42	70-E-1084	5	BLD
CC43	70-E-1085	5	BLD
CC44	70-E-1086	5	BLD
CC45	70-E-1087	2	BLD
CC46	70-E-1088	5	0.05

**METHODS:**

TIN - GRC 6A

COPPER - GRC 1

BLD = Below limit of detection.



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Chief Chemist

*Ray W. [Signature]*

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### GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 001390/2 PROJECT No.: EL6-68 (Cream Crater)  
LAB. SHEET No.: 285/2 SAMPLE TYPE: Rock DATE: 29th May, 1970

SAMPLE No.	LAB. No.	Cu	Sn%					
CC47	70-E-1089	5	BLD					
CC48	70-E-1090	2	BLD					
CC49	70-E-1091	5	BLD					
CC50	70-E-1092	10	BLD					
CC51	70-E-1093	15	BLD					
CC52	70-E-1094	5	BLD					
CC53	70-E-1095	5	BLD					
CC54	70-E-1096	15	BLD					
CC55	70-E-1097	5	BLD					
CC56	70-E-1098	10	BLD					
CC57	70-E-1099	5	BLD					
CC58	70-E-1100	40	BLD					
CC59	70-E-1101	5	BLD					
CC60	70-E-1102	5	BLD					
CC61	70-E-1103	2	BLD					
CC62	70-E-1104	5	BLD					
CC63	70-E-1105	2	BLD					
CC64	70-E-1106	2	BLD					
CC65	70-E-1107	BLD	BLD					

**METHODS:**



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Chief Chemist *Ray W. Gelpy*

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 001393 PROJECT No.: EL6-68 (Spinks Workings)

LAB. SHEET No.: 286/1 SAMPLE TYPE: Rock DATE: May, 1970

SAMPLE No.	LAB. No.	Cu	Sn%				
J1	70-E-1145	1.2%	BLD				
J2	70-E-1146	6200	BLD				
J3	70-E-1147	80	BLD				
J4	70-E-1148	1050	BLD				
J5	70-E-1149	1425	BLD				
J6	70-E-1150	2270	BLD				
J7	70-E-1151	1300	BLD				
J8	70-E-1152	525	BLD				
J9	70-E-1153	6200	BLD				
J10	70-E-1154	1075	BLD				
J11	70-E-1155	80	BLD				
J12	70-E-1156	2200	.05				
J13	70-E-1157	85	BLD				
J14	70-E-1158	3050	BLD				
J15	70-E-1159	85	BLD				
J16	70-E-1160	1900	BLD				
J17	70-E-1161	75	BLD				
J18	70-E-1162	40	BLD				
J19	70-E-1163	310	BLD				
J20	70-E-1164	10	BLD				



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### METHODS:

Copper - GRC No. 1  
Tin - GRC 6A

BLD = Below limit of detection

Chief Chemist

*Ray W. [Signature]*

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 001392 PROJECT No. EL6-68 Hibernus Creek

LAB. SHEET No. 290/1 SAMPLE TYPE: ROCK DATE: 1st June, 1970

SAMPLE No.	LAB. No.	Cu	Sn%					
		p.p.m.						
H1	70-E-1108	50	BLD					
H2	70-E-1109	25	BLD					
H3	70-E-1110	10	.05					
H4	70-E-1111	15	.05					
H5	70-E-1112	5	BLD					
H6	70-E-1113	35	BLD					
H7	70-E-1114	90	BLD					
H8	70-E-1115	20	.12					
H9	70-E-1116	45	.05					
H10	70-E-1117	375	BLD					
H11	70-E-1118	210	BLD					
H12	70-E-1119	150	BLD					
H13	70-E-1120	450	BLD					
H14	70-E-1121	85	BLD					
H15	70-E-1122	165	BLD					
H16	70-E-1123	260	BLD					
H17	70-E-1124	45	BLD					
H18	70-E-1125	380	BLD					
H19	70-E-1126	215	.10					
H20	70-E-1127	295	BLD					
H21	70-E-1128	240	BLD					
H22	70-E-1129	35	BLD					
H23	70-E-1130	5	BLD					
H24	70-E-1131	10	BLD					
H25	70-E-1132	2	BLD					
H26	70-E-1133	2	BLD					
H27	70-E-1134	5	BLD					
H28	70-E-1135	2	BLD					
H29	70-E-1136	2	BLD					
H30	70-E-1137	BLD	BLD					
H31	70-E-1138	2	BLD					
H32	70-E-1139	2	BLD					
H33	70-E-1140	5	BLD					
H34	70-E-1141	BLD	BLD					
H35	70-E-1142	M I S S I N G						
H36	70-E-1143	5	BLD					
H37	70-E-1144	5	BLD					

METHODS: COPPER - GRC No.1  
TIN - GRC 6A



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Chief Chemist

*Ray W. Zerkow*

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545019

**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No.: 006978 PROJECT No.: EL.6/68 - N.E. TASMANIA FROME RIVER  
PROJECT - CREAM CREEK  
LAB. SHEET No.: 856/1 SAMPLE TYPE: SOIL PROF. DATE: 30th November, 1971.  
+ 20 Fraction

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	Sn %	pH
S/O 1A	71-L-390	5	50	10	10	10	0.06	4.4
S/O 2A	71-L-391	BLD	10	5	BLD	BLD	0.06	3.5
S/O 2B	71-L-392	BLD	10	10	BLD	BLD	0.06	3.9
S/O 3A	71-L-393	BLD	5	10	BLD	BLD	0.04	3.5
S/O 3B	71-L-394	2	10	15	BLD	BLD	0.04	3.8
S/O 4A	71-L-395	20	50	50	5	5	0.04	4.1
S/O 4B	71-L-396	20	60	50	BLD	10	0.03	4.3
S/O 4C	71-L-397	25	110	60	5	10	0.08	4.4
S/P 5A	71-L-398	10	20	25	BLD	BLD	0.06	4.0
S/O 5B	71-L-399	10	20	30	BLD	5	0.03	4.7
S/O 6A	71-L-400	15	20	30	5	5	0.10	4.0
S/O 6B	71-L-401	40	30	45	10	10	0.06	4.4

MERCURY RESULTS TO FOLLOW

**METHODS:**

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Cu, Pb, Zn by G.R.C. No. 1  
Mo, Bi by G.R.C. No. 2  
Sn by G.R.C. No. 5  
pH by G.R.C. No. 702



*R. W. Langford*  
Chief Chemist

*File*

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006979 PROJECT No. EL.6/68 - N.E. TASMANIA FROME RIVER

LAB. SHEET No. 856/2 SAMPLE TYPE SOIL PROFILE DATE 30th November, 1971.

-20/+80 Fraction

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	Sn %	pH
S/O 1A	71-L-402	10	65	35	BLD	5	0.09	4.0
S/O 2A	71-L-403	10	15	20	BLD	BLD	0.08	3.5
S/O 2B	71-L-404	5	10	20	BLD	BLD	0.06	3.6
S/O 3A	71-L-405	5	10	20	BLD	BLD	0.08	3.3
S/O 3B	71-L-406	10	15	30	BLD	5	0.08	2.5
S/O 4A	71-L-407	30	70	60	BLD	10	0.06	4.1
S/O 4B	71-L-408	30	80	65	10	10	0.08	4.2
S/O 4C	71-L-409	35	115	80	10	10	0.04	4.3
S/O 5A	71-L-410	15	30	40	10	10	0.06	3.8
S/O 5B	71-L-411	20	40	55	10	10	0.03	4.5
S/O 6A	71-L-412	30	30	40	10	5	0.16	3.9
S/O 6B	71-L-413	60	45	70	15	10	0.04	4.3

**METHODS:**



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*[Signature]*  
Chief Chemist

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006980 PROJECT No. EL.6/68 - N.E. TASMANIA FROME RIVER

LAB. SHEET No. 856/3 SAMPLE TYPE SOIL PROFILE DATE 30th November, 1971.  
PROJECT - CREAM CREEK  
-80 Fraction

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	Sn %	pH
S/O 1A	71-L-414	20	100	45	5	10	0.06	3.3
S/O 2A	71-L-415	15	15	20	BLD	5	0.08	3.2
S/O 2B	71-L-416	10	10	25	BLD	5	0.06	3.4
S/O 3A	71-L-417	10	10	30	BLD	5	0.04	2.9
S/O 3B	71-L-418	15	20	40	BLD	10	0.03	3.2
S/O 4A	71-L-419	30	75	65	5	10	0.06	3.8
S/O 4B	71-L-420	35	100	85	5	10	0.06	3.8
S/O 4C	71-L-421	45	135	100	10	10	0.06	4.2
S/O 5A	71-L-422	20	35	45	10	10	0.04	3.7
S/O 5B	71-L-423	30	50	70	10	15	0.03	4.4
S/O 6A	71-L-424	40	35	60	10	10	0.10	4.2
S/O 6B	71-L-425	70	55	90	20	15	0.04	4.2

**METHODS:**



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*R. W. Hough*  
Chief Chemist

021

545022

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### GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 006978 PROJECT No.: EL. 6/68 - (FROME RIVER PROJECT)

LAB. SHEET No.: 856/4 SAMPLE TYPE: SOIL PROF. DATE: 3rd March, 1972.

FRACTION: +20 (orientation)

SAMPLE No.	LAB. No.	Hg ppb							
S01A	71-L-390	75							
S02A	71-L-391	20							
S02B	71-L-392	BLD							
S03A	71-L-393	20							
S03B	71-L-394	BLD							
S04A	71-L-395	30							
S04B	71-L-396	70							
S04C	71-L-397	55							
S05A	71-L-398	120							
S05B	71-L-399	85							
S06A	71-L-400	60							
S06B	71-L-401	80							

**METHODS:**

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Hg by G.R.C. No. 113  
B.L.D. = Below Limit of Detection



Chief Chemist *Ray W. Zedler*

U22

545023

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No.: 006980 PROJECT No.: EL.6/68 - (PROME RIVER PROJECT)

LAB. SHEET No.: 856/5 SAMPLE TYPE: SOIL PROF. DATE: 3rd March, 1972.  
FRACTION: -80 (orientation)

SAMPLE No.	LAB. No.	Hg ppb							
S01A	71-L-414	115							
S02A	71-L-415	25							
S02B	71-L-416	BLD							
S03A	71-L-417	30							
S03B	71-L-418	35							
S04A	71-L-419	90							
S04B	71-L-420	80							
S04C	71-L-421	180							
S05A	71-L-422	155							
S05B	71-L-423	X							
S06A	71-L-424	X							
S06B	71-L-425	155							

**METHODS:**



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X = insufficient sample for analysis

Chief Chemist

*Ray W. [Signature]*

023

545024

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006979 PROJECT No. EL.6/68 - (FROME RIVER PROJECT)

LAB. SHEET No. 856/6 SAMPLE TYPE SOIL PROFILE DATE 3rd March, 1972.

FRACTION: -20 to +80 (orientation)

SAMPLE No.	LAB. No.	Hg ppb							
S01A	71-L-402	40							
S02A	71-L-403	65							
S02B	71-L-404	65							
S03A	71-L-405	25							
S03B	71-L-406	185							
S04A	71-L-407	75							
S04B	71-L-408	120							
S04C	71-L-409	145							
S05A	71-L-410	120							
S05B	71-L-411	135							
S06A	71-L-412	85							
S06B	71-L-413	75							

### METHODS:



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Chief Chemist

*Ray W. Zerkow*

U2A

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545025

**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006987 PROJECT No. E.L. 6/68 CREAM CREEK (FROME RIVER PROJ

LAB. SHEET No. 935/1 SAMPLE TYPE: SOIL PROFILE DATE: 28/2/72

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm				
00 + 00	72-B-2277	10	30	20				
00 + 01E	72-B-2278	2	40	20				
00 + 02E	72-B-2279	5	25	20				
00 + 03E	72-B-2280	55	60	115				
00 + 04E	72-B-2281	15	25	50				
00 + 05E	72-B-2282	2	5	15				
00 + 01W	72-B-2283	10	25	30				
00 + 02W	72-B-2284	5	15	20				
00 + 03W	72-B-2285	10	25	25				
00 + 04W	72-B-2286	15	20	35				
00 + 05W	72-B-2287	25	50	60				
01N + 00	72-B-2288	15	35	40				
01N + 01E	72-B-2289	45	40	65				
01N + 02E	72-B-2290	30	25	60				
01N + 03E	72-B-2291	20	35	60				
01N + 04E	72-B-2292	2	15	20				
01N + 05E	72-B-2293	25	35	75				
01N + 01W	72-B-2294	5	20	25				
01N + 02W	72-B-2295	10	25	40				
01N + 03W	72-B-2296	20	30	40				
01N + 04W	72-B-2297	75	35	30				
01N + 05W	72-B-2298	30	25	40				
02N + 00	72-B-2299	65	50	55				
02N + 01E	72-B-2300	95	85	50				
02N + 02E	72-B-2301	115	75	80				
02N + 03E	72-B-2302	45	50	80				
02N + 04E	72-B-2303	20	25	30				
02N + 05E	72-B-2304	30	35	80				
02N + 01W	72-B-2305	20	25	25				
02N + 02W	72-B-2306	200	35	60				

**METHODS:**

Cu, Pb, Zn by GRC No. 1



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*File*

Chief Chemist

*Ray W. Zedler*

025

545026

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006987 PROJECT No. E.L. 6/68 CREAM CREEK (PROME RIVER PROJ.

LAB. SHEET No. 935/2 SAMPLE TYPE SOIL PROFILE DATE 28/2/72

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm					
02N + 03W	72-B-2307	45	10	35					
02N + 04W	72-B-2308	20	10	15					
02N + 05W	72-B-2309	45	25	35					
03N + 00	72-B-2310	15	15	30					
03N + 01E	72-B-2311	30	35	50					
03N + 02E	72-B-2312	50	35	45					
03N + 03E	72-B-2313	100	25	340					
03N + 04E	72-B-2314	30	70	20					
03N + 05E	72-B-2315	70	55	80					
03N + 01W	72-B-2316	20	105	25					
03N + 02W	72-B-2317	85	20	40					
03N + 03W	72-B-2318	20	10	35					
03N + 04W	72-B-2319	20	20	30					
03N + 05W	72-B-2320	15	5	10					
04N + 00	72-B-2321	45	15	40					
04N + 01E	72-B-2322	70	40	70					
04N + 02E	72-B-2323	60	35	50					
04N + 03E	72-B-2324	115	75	125					
04N + 04E	72-B-2325	25	35	50					
04N + 05E	72-B-2326	205	40	280					

### METHODS:



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Chief Chemist

026

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006988 PROJECT No. E.L. 6/68 CREAM CREEK (FROME RIVER PROJ.)

LAB. SHEET No. 935/3 SAMPLE TYPE: SOIL PROFILE DATE: 28/2/72

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm					
04N + 06E	72-B-2327	25	35	45					
04N + 01W	72-B-2328	100	25	50					
04N + 02W	72-B-2329	10	5	15					
04N + 03W	72-B-2330	10	5	10					
04N + 04W	72-B-2331	5	15	10					
05N + 00	72-B-2332	10	25	40					
05N + 01E	72-B-2333	70	50	40					
05N + 02E	72-B-2334	40	35	45					
05N + 03E	72-B-2335	60	45	70					
05N + 04E	72-B-2336	275	85	175					
05N + 05E	72-B-2337	10	15	20					
05N + 06E	72-B-2338	10	25	35					
05N + 01W	72-B-2339	5	15	20					
05N + 02W	72-B-2340	BLD	5	10					
05N + 03W	72-B-2341	10	10	15					
05N + 04W	72-B-2342	BLD	15	15					
06N + 00	72-B-2343	10	10	10					
06N + 01E	72-B-2344	10	15	20					
06N + 02E	72-B-2345	85	25	35					
06N + 03E	72-B-2346	105	25	35					
06N + 04E	72-B-2347	85	30	40					
06N + 05E	72-B-2348	15	15	30					
06N + 06E	72-B-2349	2	45	30					
06N + 01W	72-B-2350	10	5	5					
06N + 02W	72-B-2351	5	5	10					
06N + 03W	72-B-2352	5	20	25					
06N + 04W	72-B-2353	BLD	5	2					
07N + 00	72-B-2354	BLD	25	35					
07N + 01E	72-B-2355	2	5	10					
07N + 02E	72-B-2356	20	10	15					

## METHODS:

Cu, Pb, Zn by GRC No. 1



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Chief Chemist

*Ray W. [Signature]*

027

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006988 PROJECT No. E.L. 6/68 CREAM CREEK (FROME RIVER PROJ.

LAB. SHEET No. 935/4 SAMPLE TYPE: SOIL PROFILE DATE: 28/2/72

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm					
07N + 03E	72-B-2357	135	15	45					
07N + 04E	72-B-2358	20	15	15					
07N + 05E	72-B-2359	BLD	10	BLD					
07N + 06E	72-B-2360	BLD	15	15					
07N + 01W	72-B-2361	BLD	5	5					
07N + 02W	72-B-2362	BLD	5	10					
08N + 00	72-B-2363	BLD	5	BLD					
08N + 01E	72-B-2364	BLD	5	BLD					
08N + 02E	72-B-2365	5	15	10					
08N + 03E	72-B-2366	45	15	30					
08N + 04E	72-B-2367	BLD	5	5					
08N + 05E	72-B-2368	BLD	15	10					
08N + 06E	72-B-2369	BLD	15	10					
08N + 01W	72-B-2370	5	10	5					
08N + 02W	72-B-2371	BLD	10	10					
09N + 00	72-B-2372	BLD	10	5					
09N + 01E	72-B-2373	BLD	15	10					
09N + 02E	72-B-2374	BLD	5	BLD					
09N + 03E	72-B-2375	BLD	10	BLD					

### METHODS:



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*Ray W. [Signature]*

Chief Chemist

028

545029

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### GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 006992 PROJECT No.: E.L. 6/68 CREAM CREEK (FROM RIVER PROJECT)  
LAB. SHEET No.: 935/5 SAMPLE TYPE: SOIL PROFILE DATE: 7/3/72

SAMPLE No.	LAB. No.	Mo ppm	Bi ppm	Sn %					
00 + 00	72-B-2376	BLD	5	0.03					
00 + 01E	72-B-2377	10	10	0.03					
00 + 02E	72-B-2378	5	10	0.03					
00 + 03E	72-B-2379	10	15	0.06					
00 + 04E	72-B-2380	10	10	0.04					
00 + 05E	72-B-2381	BLD	5	0.03					
00 + 01W	72-B-2382	5	10	0.03					
00 + 02W	72-B-2383	5	10	0.06					
00 + 03W	72-B-2384	5	10	0.06					
00 + 04W	72-B-2385	10	15	0.03					
00 + 05W	72-B-2386	10	10	0.03					
01N + 00	72-B-2387	BLD	5	0.04					
01N + 01E	72-B-2388	10	10	0.04					
01N + 02E	72-B-2389	5	5	0.03					
01N + 03E	72-B-2390	10	5	0.03					
01N + 04E	72-B-2391	BLD	BLD	0.02					
01N + 05E	72-B-2392	10	10	0.06					
01N + 01W	72-B-2393	BLD	BLD	0.03					
01N + 02W	72-B-2394	5	10	0.06					
01N + 03W	72-B-2395	10	10	0.06					
01N + 04W	72-B-2396	5	10	0.04					
01N + 05W	72-B-2397	BLD	10	0.06					
02N + 00	72-B-2398	BLD	15	0.06					
02N + 01E	72-B-2399	10	10	0.04					
02N + 02E	72-B-2400	15	10	0.03					
02N + 03E	72-B-2401	10	10	0.02					
02N + 04E	72-B-2402	10	5	0.06					
02N + 05E	72-B-2403	10	10	0.03					
02N + 01W	72-B-2404	BLD	10	0.04					
02N + 02W	72-B-2405	BLD	10	0.03					

**METHODS:**



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Mo, Bi, by GRC No 2

Sn by GRC No 5

BLD = Below limit of detection

Chief Chemist

029

545030

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006992 PROJECT No. E.L. 6/68 Cream Creek (FROM RIVER PROJ.)

LAB. SHEET No. 935/6 SAMPLE TYPE: SOIL PROFILE DATE: 7/3/72

SAMPLE No.	LAB. No.	Mo ppm	Bi ppm	Sn %					
02N + 03W	72-B-2406	BLD	BLD	0.04					
02N + 04W	72-B-2407	BLD	BLD	0.06					
02N + 05W	72-B-2408	5	15	0.06					
03N + 00	72-B-2409	BLD	5	0.04					
03N + 01E	72-B-2410	BLD	10	0.06					
03N + 02E	72-B-2411	BLD	10	0.06					
03N + 03E	72-B-2412	15	10	0.04					
03N + 04E	72-B-2413	5	10	0.04					
03N + 05E	72-B-2414	10	10	0.02					
03N + 01W	72-B-2415	BLD	10	0.08					
03N + 02W	72-B-2416	BLD	5	0.04					
03N + 03W	72-B-2417	5	BLD	0.04					
03N + 04W	72-B-2418	BLD	BLD	0.03					
03N + 05W	72-B-2419	BLD	BLD	0.04					
04N + 00	72-B-2420	BLD	10	0.04					
04N + 01E	72-B-2421	10	20	0.06					
04N + 02E	72-B-2422	10	15	0.06					
04N + 03E	72-B-2423	15	10	0.06					
04N + 04E	72-B-2424	10	10	0.04					
04N + 05E	72-B-2425	5	25	0.03					

### METHODS:



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*Ray W. Jenkins*

Chief Chemist

030

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006993 PROJECT No. E.L. 6/68 CREAM CREEK (FROM RIVER PROJ.)

LAB. SHEET No. 935/7 SAMPLE TYPE SOIL PROFILE DATE 7/3/72

SAMPLE No.	LAB. No.	Mo ppm	Bi ppm	Sn %				
04N + 06E	72-B-2426	10	10	0.04				
04N + 01W	72-B-2427	5	10	0.06				
04N + 02W	72-B-2428	10	15	0.06				
04N + 03W	72-B-2429	5	BLD	0.03				
04N + 04W	72-B-2430	5	BLD	0.04				
05N + 00	72-B-2431	10	5	0.04				
05N + 01E	72-B-2432	10	20	0.06				
05N + 02E	72-B-2433	5	10	0.06				
05N + 03E	72-B-2434	10	10	0.04				
05N + 04E	72-B-2435	15	10	0.10				
05N + 05E	72-B-2436	5	10	0.06				
05N + 06E	72-B-2437	5	15	0.03				
05N + 01W	72-B-2438	BLD	5	0.04				
05N + 02W	72-B-2439	BLD	BLD	0.04				
05N + 03W	72-B-2440	BLD	5	0.06				
05N + 04W	72-B-2441	BLD	BLD	0.08				
06N + 00	72-B-2442	5	BLD	0.04				
06N + 01E	72-B-2443	BLD	5	0.06				
06N + 02E	72-B-2444	5	10	0.04				
06N + 03E	72-B-2445	5	30	0.04				
06N + 04E	72-B-2446	10	25	0.06				
06N + 05E	72-B-2447	5	BLD	0.04				
06N + 06E	72-B-2448	10	10	0.04				
06N + 01W	72-B-2449	BLD	BLD	0.06				
06N + 02W	72-B-2450	BLD	BLD	0.04				
06N + 03W	72-B-2451	BLD	BLD	0.06				
06N + 04W	72-B-2452	BLD	BLD	0.04				
07N + 00	72-B-2453	BLD	BLD	0.06				
07N + 01E	72-B-2454	BLD	BLD	0.06				
07N + 02E	72-B-2455	BLD	BLD	0.12				

### METHODS:

Mo, Bi by GRC No. 1  
Sn by GRC No. 5  
BLD = Below limit of detection



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Chief Chemist

031

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## GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 006993 PROJECT No.: E.L. 6/68 CREAM CREEK ( FROME RIVER PROJ

LAB. SHEET No.: 935/8 SAMPLE TYPE: SOIL PROFILE DATE: 7/3/72

SAMPLE No.	LAB. No.	Mo ppm	Bi ppm	Sn %					
07N + 03E	72-B-2456	BLD	25	0.15					
07N + 04E	72-B-2457	5	10	0.04					
07N + 05E	72-B-2458	BLD	BLD	0.03					
07N + 06E	72-B-2459	BLD	BLD	0.03					
07N + 01W	72-B-2460	BLD	BLD	0.03					
07N + 02W	72-B-2461	BLD	BLD	0.03					
08N + 00	72-B-2462	BLD	BLD	0.05					
08N + 01E	72-B-2463	BLD	BLD	0.04					
08N + 02E	72-B-2464	BLD	BLD	0.03					
08N + 03E	72-B-2465	5	5	0.18					
08N + 04E	72-B-2466	BLD	BLD	0.03					
08N + 05E	72-B-2467	BLD	BLD	0.04					
08N + 06E	72-B-2468	BLD	BLD	0.04					
08N + 01W	72-B-2469	BLD	BLD	0.09					
08N + 02W	72-B-2470	BLD	BLD	0.04					
09N + 00	72-B-2471	BLD	BLD	0.04					
09N + 01E	72-B-2472	BLD	5	0.03					
09N + 02E	72-B-2473	BLD	BLD	0.04					
09N + 03E	72-B-2474	BLD	BLD	0.03					
09N + 04E	72-B-2475	5	5	0.06					

### METHODS:



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*Ray W. [Signature]*

Chief Chemist

032

545033

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Herschel Street, Brisbane 4000  
Telephone 27320



**CHEMICAL LABORATORY**  
4th Floor Red Comb House  
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### GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No. 006994 PROJECT No. E.L. 6/68 CREAM CREEK (FROME RIVER PROJ.  
LAB. SHEET No. 935/9 SAMPLE TYPE: SOIL PROFILE DATE: 7/3/72

SAMPLE No.	LAB. No.	Mo ppm	Bi ppm	Sn %					
09N + 05E	72-B-2476	5	5	0.08					
10N + 00	72-B-2477	BLD	BLD	0.06					
10N + 01E	72-B-2478	BLD	BLD	0.06					
10N + 02E	72-B-2479	BLD	5	0.04					
10N + 03E	72-B-2480	BLD	BLD	0.08					
10N + 04E	72-B-2481	5	BLD	0.06					
10N + 05E	72-B-2482	BLD	BLD	0.08					

**METHODS:**

Mo, Bi, by GRC No. 2  
Sn by GRC No. 5  
BLD = Below Limit of Detection



This laboratory is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration.

Chief Chemist *Ray W. [Signature]*

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006995 PROJECT No. E.L. 6/68 CREAM CREEK (FROME RIVER PROJ.

LAB. SHEET No. 935/10 SAMPLE TYPE SOIL PROFILE DATE 2/3/72

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm				
09N + 04E	72-B-2483	BLD	30	25				
09N + 05E	72-B-2484	BLD	20	15				
10N + 00	72-B-2485	BLD	10	BLD				
10N + 01E	72-B-2486	BLD	10	15				
10N + 02E	72-B-2487	BLD	BLD	BLD				
10N + 03E	72-B-2488	BLD	10	5				
10N + 04E	72-B-2489	2	20	20				
10N + 05E	72-B-2490	2	20	20				

**METHODS:**

Cu, Pb, Zn by GRC No. 1  
BLD = Below Limit of Detection



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*Ray W. Henderson*

Chief Chemist

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006982 PROJECT No. EL.6/68 - CREAM CREEK (FROME RIVER PROJ.)  
 LAB. SHEET No. 890/1 SAMPLE TYPE DRILL DUST DATE 21st January, 1972

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	Sn %
CCH 1	72-A-346	25	50	40	BLD	25	0.03
CCH 2	72-A-347	10	25	35	BLD	10	0.04
CCH 3	72-A-348	30	20	45	BLD	5	0.03
CCH 4	72-A-349	25	110	30	BLD	5	0.03
CCH 5	72-A-350	95	30	75	10	5	0.09
CCH 6	72-A-351	10	20	30	BLD	BLD	0.05
CCH 7	72-A-352	10	20	35	10	BLD	0.03
CCH 8	72-A-353	80	280	25	10	5	0.05
CCH 9	72-A-354	70	15	25	BLD	20	0.04
CCH 10	72-A-355	20	20	20	BLD	10	0.04
CCH 11	72-A-356	45	30	40	10	10	0.04
CCH 12	72-A-357	25	25	40	10	5	0.03
CCH 13	72-A-358	10	25	40	BLD	10	0.04
CCH 14	72-A-359	2	20	60	10	BLD	0.03
CCH 15	72-A-360	10	30	20	BLD	55	0.06
CCH 16	72-A-361	15	110	35	10	20	0.04
CCH 17	72-A-362	25	45	30	10	10	0.03
CCH 18	72-A-363	45	10	35	BLD	10	0.03
CCH 19	72-A-364	10	25	40	BLD	10	0.04
CCH 20	72-A-365	60	50	50	BLD	20	0.03
CCH 21	72-A-366	35	20	40	BLD	5	BLD
CCH 22	72-A-367	10	20	35	BLD	BLD	0.04
CCH 23	72-A-368	30	15	40	BLD	10	0.04
CCH 24	72-A-369	40	30	55	BLD	10	0.08
CCH 25	72-A-370	2	20	40	10	BLD	0.05
CCH 26	72-A-371	45	75	45	BLD	20	BLD
CCH 27	72-A-372	40	25	45	BLD	10	0.03
CCH 28	72-A-373	35	10	40	BLD	5	0.03
CCH 29	72-A-374	35	20	45	BLD	10	0.03
CCH 30	72-A-375	20	15	50	BLD	5	0.03
CCH 31	72-A-376	95	20	95	BLD	5	0.05
CCH 32	72-A-377	60	10	40	BLD	5	0.05
CCH 33	72-A-378	35	20	40	10	10	0.03
CCH 34	72-A-379	60	600	55	10	15	0.04
CCH 35	72-A-380	50	55	40	10	10	0.47
CCH 36	72-A-381	60	25	40	10	10	0.04
CCH 37	72-A-382	600	15	50	10	5	0.03
CCH 38	72-A-383	45	10	45	10	10	0.20
CCH 39	72-A-384	100	10	40	BLD	5	0.02
CCH 40	72-A-385	90	10	45	BLD	BLD	0.04
CCH 41	72-A-386	50	10	30	10	BLD	0.04
CCH 42	72-A-387	1300	10	1350	BLD	5	0.03
CCH 43	72-A-388	1300	10	0.25%	BLD	5	0.03
CCH 44	72-A-389	250	10	140	BLD	5	0.04
CCH 45	72-A-390	0.35%	10	0.23%	10	15	0.04
CCH 46	72-A-391	780	30	1950	10	25	0.06

**METHODS:**



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Cu, Pb, Zn by G.R.C. No. 1  
 Mo, Bi by G.R.C. No. 2  
 Sn by G.R.C. No. 5  
 B.L.D. = Below Limit of Detection

*[Signature]*  
 Chief Chemist

*[Handwritten mark]*

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**GEOCHEMICAL LABORATORY REPORT**

FIELD SHEET No. 006982 PROJECT No. EL.6/68 - CREAM CREEK (FROME RIVER PROJ

LAB. SHEET No. 890/2 SAMPLE TYPE: DRILL DUST DATE: 21st January, 1972

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	Sn %		
CCH 47	72-A-392	240	15	70	BLD	BLD	0.04		
CCH 48	72-A-393	260	10	110	BLD	5	0.05		
CCH 49	72-A-394	40	10	30	BLD	BLD	0.04		
CCH 50	72-A-395	30	20	65	10	10	0.06		
CCH 51	72-A-396	25	15	60	10	10	0.03		
CCH 52	72-A-397	2	15	55	10	BLD	0.04		
CCH 53	72-A-398	15	10	30	BLD	BLD	BLD		
CCH 54	72-A-399	200	10	40	10	40	0.07		
CCH 55	72-A-400	50	25	50	10	20	0.08		
CCH 56	72-A-401	65	15	50	15	5	0.09		

**METHODS:**



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*Richard Layhorne*  
Chief Chemist

APPENDIX II

GEOLOGICAL/GEOCHEMICAL MAP,  
CREAM CREEK

Drg. A207

CUMULATIVE FREQUENCY  
DISTRIBUTION FOR CU AND SN

Drg. A208  
Drg. A209

not received  
with report

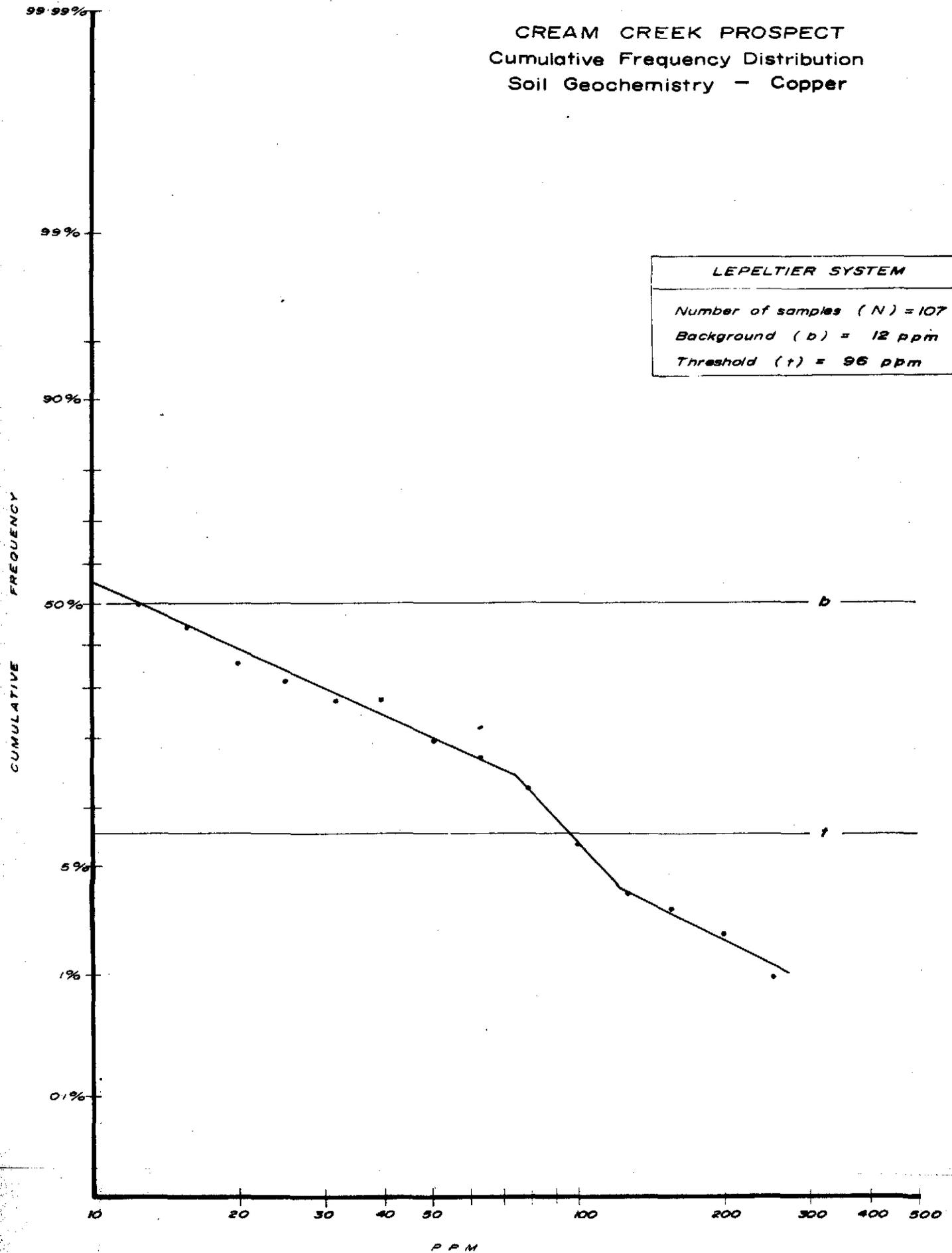
LOCATION OF PROSPECTS  
E.L.6/68

Drg. A220

037

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CREAM CREEK PROSPECT  
Cumulative Frequency Distribution  
Soil Geochemistry - Copper

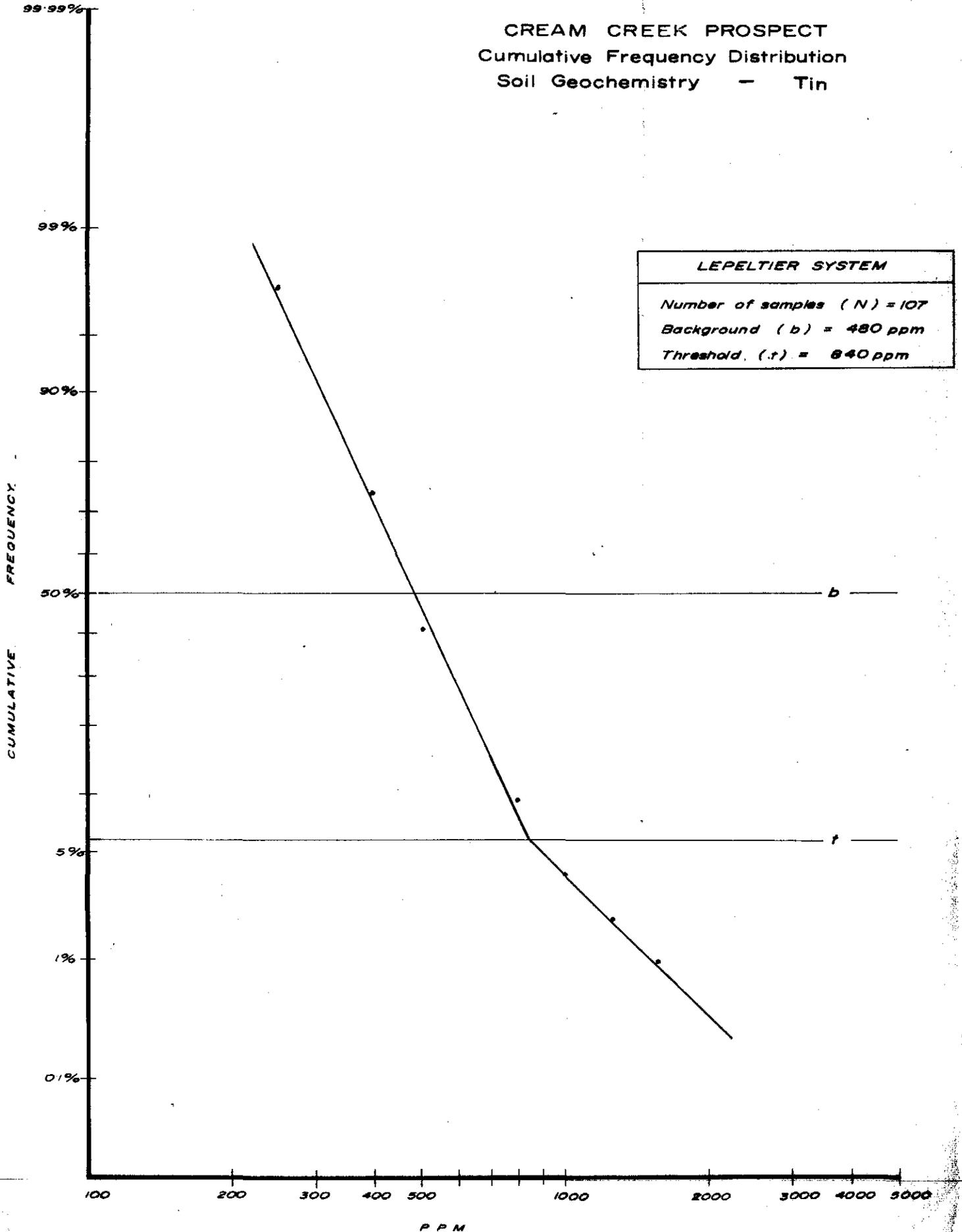


Probability x 2 cycle log.

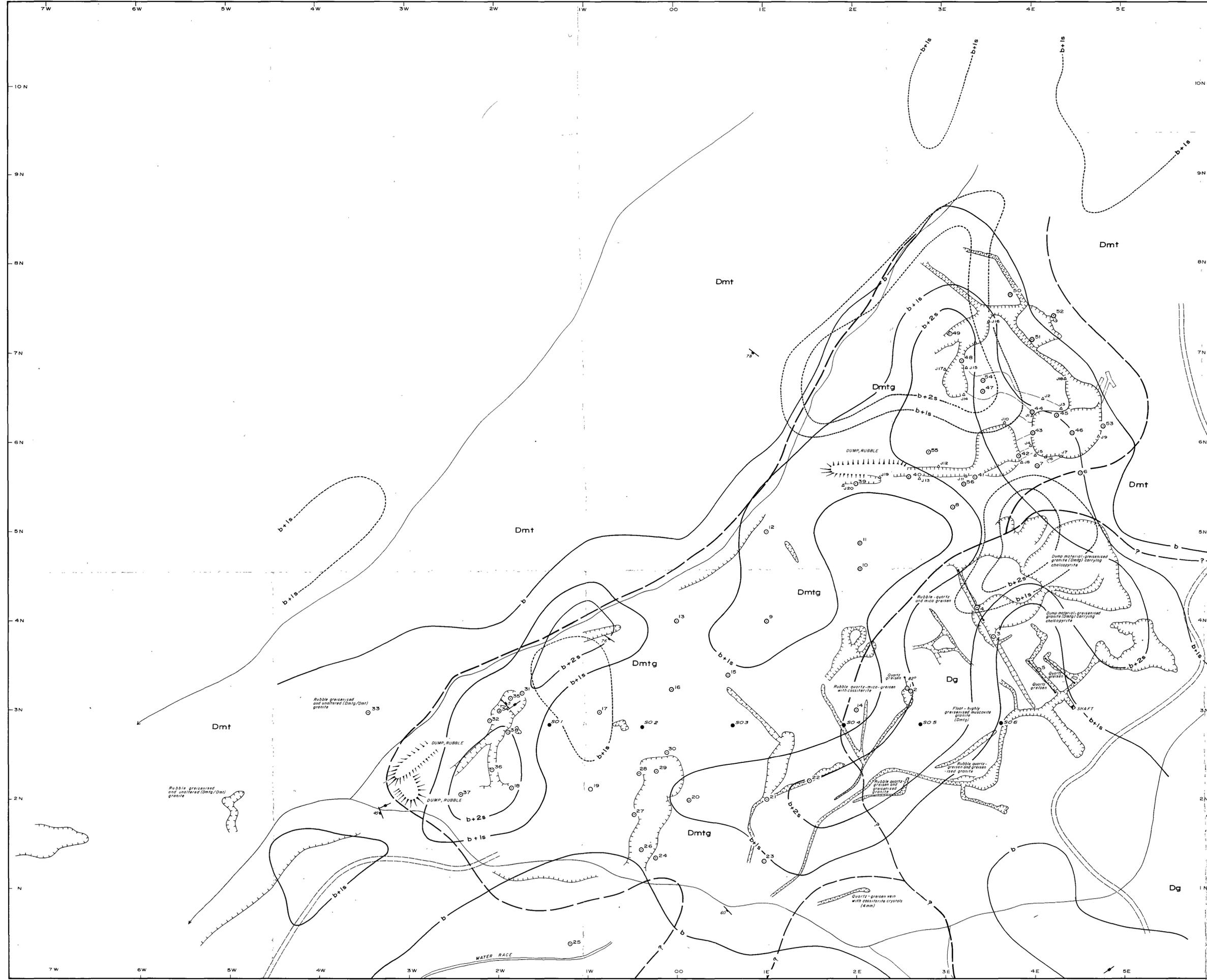
038

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CREAM CREEK PROSPECT  
Cumulative Frequency Distribution  
Soil Geochemistry - Tin



Probability x 2 cycle log.



**LEGEND**

- Dg Porphyritic biotite adamellite granite
- Dmt Biotite granite
- Dmtg Biotite-muscovite granite (greisenized)
- Geological boundary, indefinite
- Vein
- Joint - strike, dip
- Joint - strike, vertical
- Open cut, rockface
- Adit
- Watercourse
- Track
- <sup>14</sup> Cobra rock drill hole
- <sup>50.2</sup> Soil orientation survey - sample location
- △<sup>15</sup> Rock chip sample location

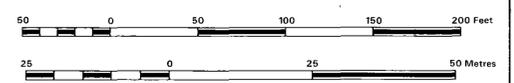
**LEPELTIER SYSTEM**

- Contoured Copper
- Contoured Tin
- b background
- b+1s background + one standard deviation
- b+2s threshold (1)

Cu	Sn
N = 107	N = 107
s = 12ppm	s = 80ppm
b+1s = 64ppm	b+1s = 695ppm
b+2s = 96ppm	b+2s = 640ppm

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Scale: 50 Feet to 1 Inch



74-1067

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TEXINS DEVELOPMENT PTY. LTD.

EL. 6/68 NORTH EAST TASMANIA

**CREAM CREEK-FROME RIVER PROJECT**

**GEOLOGY (UNFINISHED) SHOWING**

**SOIL GEOCHEMISTRY**

2323



PROJECT 6/68 AUTHOR I MORTIMORE DATE JAN, 1974 DWS N° 207

