80-#282-4 5066

1979 PROSPECTING REPORT

FOR

TOOTSEE PROJECT
Liard Mining Division
N.T.S. 104 O

Author: B.H. Whiting

Date: February, 1980

Description of Claims

Name	Unit	Claim No.	Date Recorded
Toots 1-4	80	845-848	6 July, 1979

Latitude: 59° 57' N

Longitude: 130° 30' W

Operator: Cassiar Asbestos Corporation Limited

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1. INTRODUCTION

The Tootsee Project consists of three properties in the Tootsee Ridge - Tootsee River region of north central British Columbia.

"Area A", consisting of the Toots 1 and 2 claims, is located in the Cassiar Batholith granodiorite and possesses several mineral occurrences of lead with associated zinc and silver.

"Area B", consisting of the Toots 3 claim, is located in the McDame Group carbonates near the Cassiar Batholith. One showing of lead and zinc occurs at the north east corner of the property (Berg showing).

"Area C", consisting of the Toots 4 claim, lies in the Sylvester Group limestone, slate and conglomerate. There are no mineralized showings to date but stream sediments assayed high in silver, zinc, lead and copper.

The 1979 prospecting program is described in this report and a more detailed prospecting and geological mapping program has been recommended for the 1980 exploration season.

2. LOCATION AND ACCESS

The Tootsee Project is located in the Liard Mining Division north central British Columbia. It consists of claims in three separate areas along the Tootsee River and Tootsee Ridge.

"Area A"

Latitude: 59° 56' N
Longitude: 130° 32' W
N.T.S. 104 O/15E
consisting of Toots (1-2) is on Tootsee Ridge 3.3 kilometres from the B.C. - Yukon border.

At the present time, an access road north of the claim group originates at Mile 706 of the Alaska Highway as a service road to a Canadian National Telecommunications microwave tower. After this road crosses the Rancheria River, there is a branch road running south along the east side of Freer Creek and up the west fork, passing over the ridge to Alan Creek. This road could be extended, without much difficulty, to the claim group.

"Area B"

Latitude: 59° 57' N
Longitude: 130° 22' W
N.T.S. 104 O/16W
consisting of Toots 3 on the Tootsee River, 6 kilometres upstream from the B.C. - Yukon border.

The Berg mineral occurrence is on the northwest corner of these claims. Bulldozer access roads exist along the Tootsee River, however, they have not been seen by the author of this report so their condition is not known.

"Area C"

Latitude: 59° 55' N
Longitude: 130° 18' W
N.T.S. 104 O/16W
consisting of Toots 4 is located 2.5 kilometres southeast of Toots 3. It is at the headwaters of an un-named creek which flows north into the Tootsee River.

This region is serviced by Frontier Helicopters of Watson Lake, Yukon,.approximately 90 kilometres east of the properties. Contract helicopters, working at nearby mining properties, can also be contacted for casual flying time.

3. DESCRIPTION OF CLAIMS

Name	No. of Units	Claim No.	Date Recorded
Toots 1	20	845(7)	6 July, 1979
Toots 2	20	846(7)	" " "
Toots 3	20	847(7)	" " "
Toots 4	20	848(7)	" " "

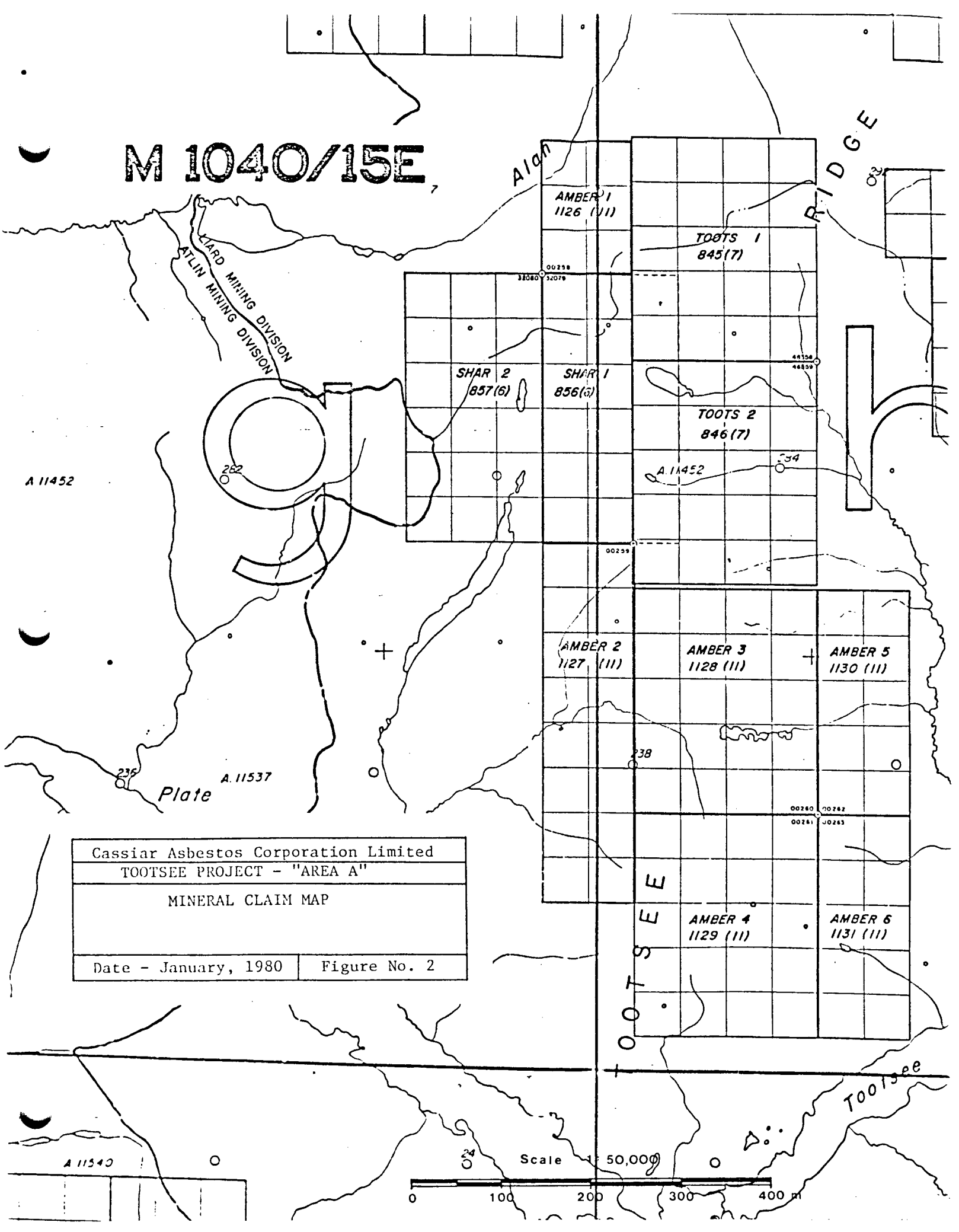
4. HISTORY OF THE PROPERTIES

Exploration has been conducted in this area for many years. The earliest reference is in the British Columbia Minister of Mines Annual Report for 1948 and refers to the Sandy occurrence of lead just northeast of "Area A".

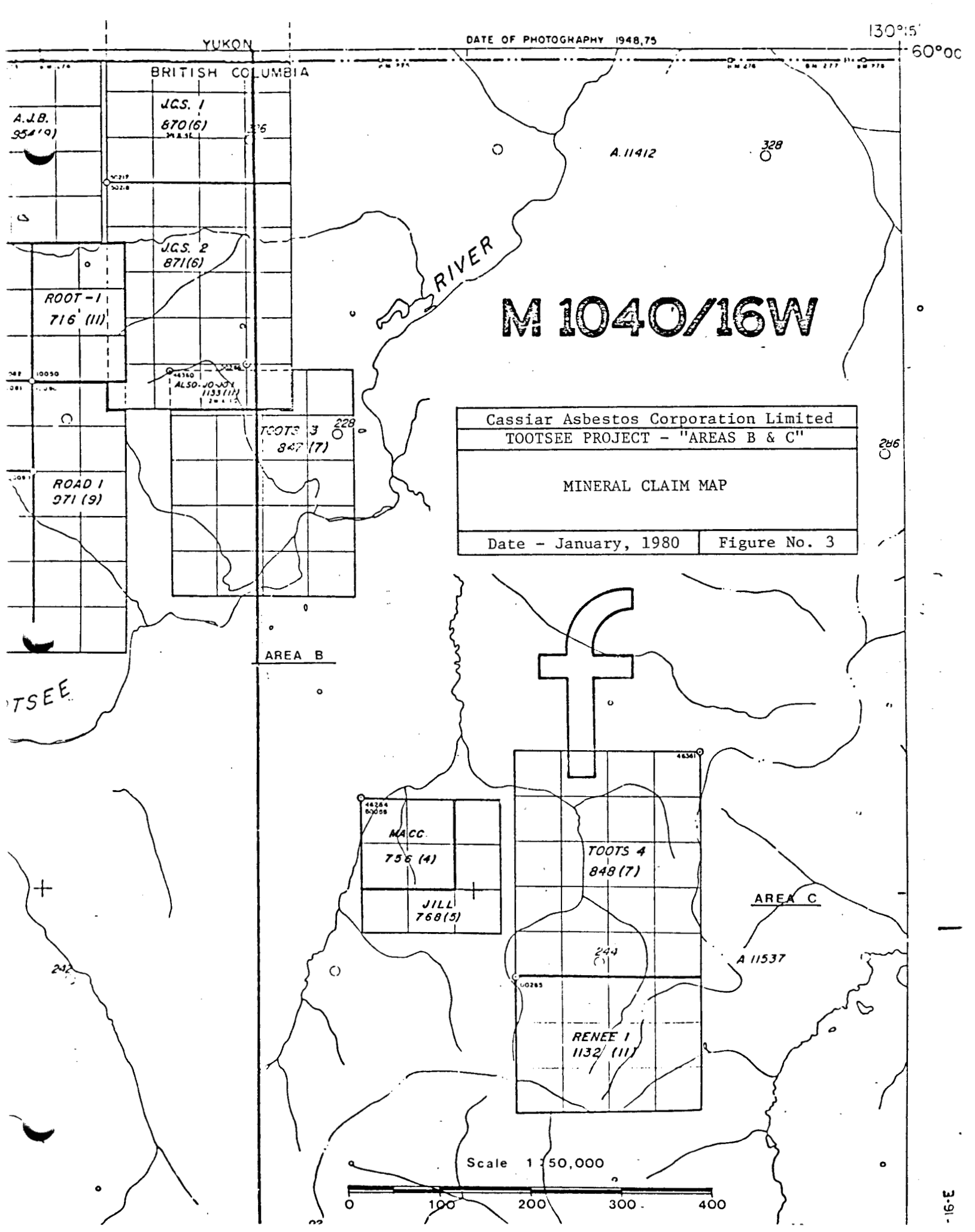
Regional geological mapping at a scale of 1:250,000 was conducted in 1968 by H. Gabrielse of the Geological Survey of Canada and was presented in paper G.S.C. 68-55.

A regional stream sediment and water geochemical reconnaissance program was conducted in 1978 by the Geological Survey of Canada jointly with the British Columbia Department of Energy, Mines and Petroleum Resources. The field results released in June 1979, indicated several unstaked, anomalous drainages, three of which were subsequently staked by Cassiar Asbestos Corporation Limited. The claim blocks were extended in October 1979 to provide better coverage of the three areas of interest.

Documented mineral occurrences near "Area A" include: Holliday - Ransom (Eva & Molly, Sandy 16) (Ag, Pb), Sandy 40 (Pb), Sandy 35 (Pb, PCP (Zn, Pb, Ag), Amy (Gem) (Ag, Pb, Zn) and Klondike Silver (Ag, Pb, Zn).



Cassiar Asbestos Corporation Limited	
TOOTSEE PROJECT - "AREA A"	
MINERAL CLAIM MAP	
Date - January, 1980	Figure No. 2


YUKON
BRITISH COLUMBIA
DATE OF PHOTOGRAPHY 1948,75
130°15'
60°00'
A.J.B. 954(9)
JCS. 1 870(6)
JCS. 2 871(6)
ROOT-1 716 (11)
ROAD 1 971 (9)
ALSO-JO-JO 1133(11)
TOOTS 3 847 (7)
A.11412
328
RIVER
M 1040/16W
Cassiar Asbestos Corporation Limited
TOOTSEE PROJECT - "AREAS B & C"
MINERAL CLAIM MAP
Date - January, 1980
Figure No. 3
AREA B
AREA C
MACC 756 (4)
JILL 768(5)
TOOTS 4 848(7)
RENEE 1 1132 (11)
A 11537
Scale 1:50,000
0
100
200
300
400

No previous work has been recorded on the mineral occurrences in "Area A".

"Area B" contains part of the old Berg showing (Pb, Ag, Zn) on its northwest corner. There is a known molybdenum occurrence to the northeast and it is believed that Dupont Exploration has a high grade tin occurrence on their property to the north.

Sometime prior to 1968, seven very large cat trenches were cut in the Berg showing yielding little visible mineralization. Apparently, no assessment work was filed for this work and it is not known which company did the trenching.

"Area C" has no previously reported work history but lies 1.5 kilometres east of the Silvertip (Ag, Pb, Zn) property, which is a well-known mineral occurrence previously explored in 1955 by Conwest Exploration Company Limited and by several other companies since.

5. WORK CONDUCTED IN 1979

After the release of the British Columbia Regional Stream Sediment and Water Geochemical Reconnaissance Data - Open File 561, Cassiar Asbestos Corporation Limited staked the Toots 1-4 claims over geochemically anomalous areas. Staking was done from June 8 to June 11, 1979.

A preliminary examination of all the claims was conducted on July 22, 1979, by W. Lumley, R. Bujas and A. Burton (geological consultant from Vancouver). This was followed by a two week helicopter supported prospecting and sampling program in all three claim groups. The field work was conducted by W. Lumley and R. Bujas under the direction of D.R. Budinski.

The eastern part of Tootsee Ridge was prospected and sampled, indicating some mineralization in all of the cirques west of Trevor Creek. A total of 168 geochemical soils and 14 rock samples

were taken. (See Figure 4).

Sixteen samples were taken on the Toots 3 claim and in the trenches of the Berg showing (See Figure 5).

A few days were spent, utilizing a helicopter, in sampling the Toots 4 claim. Twenty samples were taken. (See Figure 6).

Between October 10 and October 12, 1979, the Amber 1-6, Renee 1 and Jo Jo 1 were staked to provide better coverage of the areas of interest. Eighty units were staked in June and ninety-six units were staked in October, for a total of 176 units. This assessment report applies to the Toots 1-4 claims only.

6. GEOLOGY

6.1 Regional Geology

The Tootsee claim groups are located in the northeast corner of N.T.S. map 104-0. The rocks are stratified and range from Proterozoic to Mississippian in age with most pre-Mississippian rocks being non-volcanic. They trend northwest-southwest and appear similar to the rocks in the McDame synclinorium 100 Km to the southeast. The Toots 3 and Toots 4 mineral claims are underlain by these sedimentary and volcanic rocks.

The Cassiar Batholith which is predominatly a granodiorite of Cretaceous age intrudes the older sediments and volcanics and occupies a major portion of this part of the map sheet. The Toots (1-2) are underlain by rocks of the Cassiar Batholith. To the north, the Klondike Silver property which is a high grade silver-lead occurrence within the Cassiar Batholith illustrates that potential high-grade mineralization can occur in these rocks. Contact metamorphism of the sediments near the Cassiar Batholith is common.

Pleistocene and recent glacial, fluvioglacial and alluvial sediments cover many of the valleys. Retreating ice movement to the northeast has obliterated most of the evidence of earlier stages of high level glaciation. Spectacular geomorphological features of alpine and valley glaciation are present thoughout the area.

6.2 Geology of the Claim Groups

6.2.1 "Area A"

The Middle Cretaceous - Early Tertiary Cassiar Batholith is exposed over most of this area with the remainder being covered by Pleistocene and recent unconsolidated glacial and alluvial deposits. The rocks consist of a fine to medium grained, white to light grey, foliated granodiorite. Numerous lamprophyric and basaltic dykes cut the granodiorite. Talus slopes also contain blocks of feldspar augen gneiss and sericitically altered breccia probably related to fault zone, but these were not seen in situ.

Observed mineralization consisted of galena as fractured fillings in sheared, manganese stained, sericitically altered granodiorite. A grey, pyrite -rich quartz vein was assayed for gold but did not yield significant results.

Several large, steeply dipping faults cut across the property with the major attitudes being 020^{o}, 065^{o} and 165^{o}. A major fault in the Amber Lake cirque is marked by a large gossan zone, five metres in width. Sooty manganese staining is also present within this zone.

Possible minor thrust faults occur in two locations of the property.

6.2.2 "Area B"

This area is underlain by the Middle Devonian McDame Group (fossiliferous, dolomitic, reefal limestone and fetid dolomite) and Pleistocene to recent glacial and alluvial sediments.

Fossils were collected on the Siltertip property, four kilometres to the south in the same geological formations, and were identified by D.J. McLaren (G.S.C. Paper 68-55-8) as Middle Devonian.

1. Amphipora sp.
2. Indeterminate Stromatoporoids
3. Coenites sp.
4. Spongophyllum sp.
5. Stringocephalus sp.

The sedimentary rocks have undergone contact metamorphism forming a silicious hornfels and marble. The hornfels is locally brecciated with the breccia pieces cemented by botryoidal hematite.

Mineralization on the adjacent Berg property consists of fine-grained galena, light brown sphalerite, pyrite and a greenish-yellow mineral occurring in a knob of rusty rock about 30 metres in diameter. Little mineralization was seen on the Toots 3 claim during the preliminary examination.

6.2.3 "Area C"

"Area C" is predominately covered with Pleistocene glacial overburden which is a hinderance to surface

exploration. Upper Devonian Sylvester Group (lower part) rocks are exposed in a few places. These consisted of a fine, fetid, black fossiliferous limestone, some light grey, fissile, brittle slate, and minor conglomerate. Occassional quartz veins are also present.

Although no mineralization has been seen, the geochemistry results are very encouraging. (See 6.3 Geochemistry).

6.3 Geochemistry

Due to the lack of outcrop observed in "Area C", the soil geochemistry may plan an important role in evaluating the potential of this property. A statistical analysis has been prepared for the twenty samples taken on Toots 4 claim, with a comparison to the results of the British Columbia Department of Mines regional sampling data. This indicates that many of the samples are anomalous in several metals; the most prominent being silver with 100% of the samples anomalous. Not all of this area could have been contaminated from the tailings piles of the Silvertip property to the west.

The highest assay, No. L-577, yielded the following results:

Parts Per Million

Ag	Cu	Pb	Zn	Mn	Sn
22.9	345	850	2220	1510	20

STATISTICAL ANALYSIS FOR "AREA C"

20 Stream Silt Samples Compared to the British Columbia Department of Mines Regional Data with Population Size 865.

Element	Arithmetic Mean $\bar{X}$ Area C	Arithmetic Mean $\bar{X}$ BCDM	Standard Deviation o - BCDM	Anomalous Readings $\bar{X}$ BCDM + (3 x o)		No. of Area C Anomalous Readings	Percent Anomalous
Silver	4.59	0.160	0.225	G	0.835	20	100
Copper	117.15	27.1	26.6	G	106.9	8	40
Lead	412.7	8.36	18.4	G	63.56	19	95
Zinc	594.8	88.8	75.6	G	315.6	14	70
Manganese	1037.0	701.0	151(?)	G	1154	6	30
Tin	9.65	NOT TESTED					
Molybdenum	5.05	2.53	3.66	G	13.51	2	10
Tungsten	3.75	3.22	5.79	G	20.59	0	0

Note: - Values given in parts per million
- G means greater than

7. PROSPECTING DESCRIPTIONS

Prospecting descriptions for "Area A", consisting of Toots 1-2 claims, are numbered for cirques either north or south of Amber Lake (the largest lake on the property).

7.1 Amber Lake Cirque

This cirque contains a fine to medium grained, white to light grey, foliated granodiorite which in turn is cut by numerous late lamprophyric and basaltic dykes. Local blocks of feldspar augen gneiss and sericitic breccia were seen in talus but not in situ.

A large regional fault, oriented $020^{o}/90^{o}$ cuts through Amber Lake and can be traced both north and south. The fault is marked by a wide hematite rich leached zone at surface and a very sooty manganese stained enriched zone down dip.

Four rock samples and nine talus samples were taken.

7.2 Cirque 1 North of Amber Lake

This cirque is predominately granodiorite and altered granodiorite. One rock sample and fourteen talus samples were taken.

This area is bisected by two faults, the western most fault is $045^{o}/64^{o}$E and the eastern most is $068^{o}/74^{o}$E. The rocks in this area are altered. The talus samples B39, B40 and B41 are high in lead, zinc and silver, which corresponds with the 2 north cirque.

7.3 Cirque 2 North of Amber Lake

This cirque faces west and therefore drains into Alan Creek, whereas the cirques to the south of this cirque face east and empty into Trevor Creek.

The cirque is approximately 1 kilometre deep by 1 kilometre wide at its mouth. It was sampled along the eastern and southern faces. A total of one rock sample and twenty talus samples were taken.

The rock types are typical of the rest of the cirques to the south. The basic rock type is a granodiorite with biotite as the main mafic, scattered throughout. There were variations of this rock type from the alterations, caused by various geologic and tectonic factors.

Faulting is the main cause of alteration in these rocks. The faulting strikes at approximately 020^{o} and dips almost vertical.

Lamprophyric dykes are observed in this cirque $034^{o}/70^{o}$-90^{o}W. It is felt that the dykes are a much later stage, as they have not been observed to contribute to mineralization.

A brecciated sample from this cirque has a matrix of sphalerite and galena. This matrix supersedes the quartz veining that was found. Rock sample #77, as well as giving high values for lead (0.93%) and zinc (3.9%) also gave a good response to silver (6.57 oz/ton), which is consistent with the area north of this cirque that has silver showings (Sandy and Key showings).

7.4 Cirque 2 South of Amber Lake

Cirque 2 south is predominately granodiorite and is altered around the areas where faulting has taken place. Minor faulting has taken place but no major faults were observed. Mineralization was found in the talus but its origin was not located.

One rock sample and 15 talus samples were taken.

7.5 Cirque 3 South of Amber Lake

Cirque 3 south was a cirque that had a lot of manganese straining on the rocks near the head of the cirque. There is a lithology change from granodiorite to a mozonite (?) oriented $144^{o}/63^{o}E$ which is approximately 46 metres (150') wide, back to a granodiorite then to a quartz feldspar porphyry.

Minor faulting was apparent but not of any consequence.

One rock sample and nineteen talus samples were taken.

7.6 Cirque 4 South of Amber Lake

The 4 south cirque is basically one that has minor faulting and very little mineralization. The mineralization that was found in the talus was pyrite and mineral malachite along a quartz vein.

The basic rock type is granodiorite with the old quartz vein and a diorite dyke cutting the granodiorite. Alteration was observed in several places.

Three rock samples and sixteen talus samples were taken.

8. REFERENCES

1979 October - Yukon Territory
Mining Activity Reports, Watson Lake Mining District; re Klondike Silver Mines.

1979 - Mineral Inventory; Resource Data Section, Ministry of Energy, Mines and Petroleum Resources; MI 104 0 (1, 2, 3, 4, 12, 13, 15, 17, 25).

1978 - Regional Stream Sediment and Water Geochemical Reconnaissance Data, British Columbia Department of Energy, Mines and Petroleum Resources; Open File 561.

1974 - Report on Reconnaissance Geology - Physical Work on Cone Mountain Mines Limited and Yucol Mines Limited. (Re Sandy Claims). Daniel M. Basco; Assessment Report 5095

1974 January - Report on the Tam (Silver Knife) Mineral Claims; Belmoral Mines Limited; F. Holcapek; Assessment Report 4973.

1971 October - Geological and Geophysical Report on the Sandy Group, Tootsee Ridge Area, Yukon Territory and British Columbia; Yucol Mines Limited, N.D. McKechnie; Assessment report 3844.

1968 - Lode Metals in British Columbia (Silvertip); British Columbia Department of Mines and Petroleum Resources; S.S. Holland; p. 24 - 33.

APPENDIX I

GEOCHEMICAL SAMPLE RESULTS

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X12V1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Cassiar Asbestos Corp.
205 4133 4th Ave.
Whitehorse, Yukon

REPORT NO. A-42-23

DATE Sept. 4, 1972

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Cu	% Pb	% Zn	% total Mo as MoS	% Fe	% Sn	% Mn
22251		0.10	0.02	0.48	0.11	--	--	L 0.01	1.60
22252		L 0.05	L0.01	0.02	0.10	--	--	L 0.01	1.09
22253		6.57	0.17	0.93	3.93	--	--	L 0.01	1.51
22254		0.95	0.08	0.54	3.73	--	--	L 0.01	4.14
22255		0.05	L0.01	0.01	0.03	--	--	L 0.01	0.76
22256		L 0.05	L0.01	0.01	0.05	--	--	L 0.01	0.31
22257		L 0.05	L0.01	0.67	0.06	0.012	--	L 0.01	0.56
22258		0.20	L0.01	0.82	0.22	--	--	L 0.01	0.55
22259		0.37	0.01	L0.01	L0.01	--	--	L 0.01	0.05
22260		1.01	L0.01	25.5	1.50	--	--	L 0.01	0.08
22261		0.80	0.02	2.90	0.62	--	--	L 0.01	0.25
22262		L 0.05	L0.01	0.03	0.06	--	--	L 0.01	13.4
22263		0.47	0.02	0.60	1.50	--	--	L 0.01	--
22264		--	--	0.19	21.8	--	0.58	L 0.01	--
		Au, W to follow							

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Cassiar Asbestos Corp. Ltd.
205-4133 4th Ave.
Whitehorse, Yukon

REPORT NO. A-49-93

DATE October 22, 1979

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Au									
22254	0.010									
22255	L0.002									
22260	L0.002									
22261	0.007									

L denotes less than

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Cassiar Asbestos Corp. Ltd.
205 4133 4th Ave
Whitehorse, Yukon

REPORT NO. A-49-64

DATE August 16, 1979

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn	% total Mo as MoS_2				
22239	L0.01	L0.01	0.02	0.02	L0.005	} Tolatree			
22240	0.09	0.01	0.23	0.07	L0.005				
22241	0.09	0.01	0.48	0.08					

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO ~~Cassiar Asbestos Corp. Ltd.~~
205 4130 4th Ave.
Whitehorse, Yukon

REPORT NO. A-42-44

DATE August 22, 1979

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Au	%								
22239	L0.002									
22240	L0.002									
22241	0.003									

Toolsee

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO ~~Cassiar Bei~~
205 4133 4th Ave.
Whitehorse, Yukon

REPORT NO. ...
DATE ..... October, 12, 1983 .....

I hereby certify that the following are the results of analyses made by us upon the herein described ..... rock ..... samples

MARKED	oz/ton Au	oz/ton g	%							
22253	0.050	6.72		Jennings River						
22259	L0.002									
22260		0.99		Jennings River						
22264		0.69								

L. denotes less than.

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Cassiar Asbestos Corp. Ltd.
205-4100 4th Ave.
Whitehorse, Yukon

REPORT NO. A-42-106

DATE October 22, 1979

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	% MoS_2	% Pb	% Zn	% Mn						
L612	-	-	-	11.5						
L617	-	-	-	14.1						
L619	-	2.80	6.30	-						
22295	-	-	1.70	-						

BONDAR-CLEGG & COMPANY LTD.

Steven Simpson

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

DATE. AUGUST 27, 1979

FILE NO. 516-1

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 2R8

SAMPLE RECEIVED FROM CASSIAR ASBESTOS CORPORATION

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD %	ZINC %	SPECTRO.			
4404		.01	.02	.12	79-15			
1 HAND SPECIMEN FROM TOOTSEE PROJECT - MN STAINED ALT'D GRANITE.								

ASSAYER. [illegible] GEO SECTION

COMPLETE ANALYSIS AND ASSAYING
URANIUM

CHEMICAL - SPECTROGRAPHIC - MICROSCOPIC

D. KERR-LAWSON, B.A., PH.D.

CORRELATION
LABORATORIES LTD.

M. E. WELLER, B.A.
H. E. WELLER

R.R. 1, COBDEN, ONTARIO K0J 1K0 PHONE 646-7448 (AREA 613)

CERTIFICATE OF ANALYSIS No.11849 Sept. 7, 1979.

We have analysed spectrographicly 1 of 9 samples of pulp
Received Sept. 4 and submitted by Whitehorse Assay Office Ltd.
with the following results:

CODE:
1. Tr. Less than .01%
2. .005 to .03%
3. .01 to .05%
4. .02 to .1%
5. .05 to .3%
6. .1 to .5%
7. .2 to 1%
8. .5 to 3%
9. 1 to 5%
10. 2 to 10%
11. 5 to 30%
12. Over 10%

All listed elements were sought, blank spaces designate "not detected."

516-1 79-04 Cassiar Asbestos
79-15

Antimony	
Arsenic	
Barium	5
Beryllium	1
Bismuth	
Boron	5
Cadmium	
Chromium	
Cobalt	
Copper	3
Gallium	1
Germanium	
Indium	
Lead	4
Iron	10
Lithium	
Manganese	8
Mercury	
Molybdenum	2
Nickel	
Niobium	
Rare Earths	
Yttrium	
Lanthanum	
Silver	
Thorium	
Tin	
Titanium	0
Tungsten	1
Uranium	
Vanadium	2
Zinc	0
Zirconium	3

DATE. OCTOBER 22, 1979

FILE NO. 634-5

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 2R8

SAMPLE RECEIVED FROM CASSIAR ASBESTOS CORPORATION (EXPLORATION DIVISION)

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD %	ZINC %
4451		.06	.20	2.40
4452		.09	.02	.07
4453		TR	TR	.01
4454		.01	.01	.02
4455		.01	.01	.05

Toottsee Project

Rock

ASSAYER K. Hoyland for GEO. SPALDING

Branch: 136 Industrial Rd., Whitehorse, Yukon

BONDAR-CLEGG & COMPANY LTD.

geologists • geochemists • analysts

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.
PHONE 988-5315

GEOCHEMICAL LAB REPORT

No: 49-187

Extraction HNO_3-HCl; Iodide fusion; Sinter From Cassiar Asbestos

Method A.A.; Colorimetric Date September 26, 1979

Fraction Used Analyst

SAMPLE NO.		Zn ppm	Sn ppm	W ppm				REMARKS
51				L 20				
52				20				
53				L 20				
22254				20				

L denotes less than

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PHONE 988-5315

GEOCHEMICAL LAB REPORT

No. 49-351

Extraction HNO_3-HCL From Cassiar Asbestos

Method AA Date October 18 19 79

Fraction Used -100 sx Analyst

SAMPLE NO.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm			REMARKS
94		0.8	20	1400	145			
95		3.8	39	1150	13000			
96		1.5	33	40	2000			Jennings River
97		33.3	720	20000	2110			
98		1.0	15	705	220			
22299		11.0	885	1175	70			

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GEOCHEMICAL LAB REPORT

No: 49-233

Extraction Ag, Cu, Pb, Zn, Mo - HNO_3-HCL
W - Sinter

From Cassiar

Method Ag, Cu, Pb, Zn, Mo - A.A.
W - Colorimetric

Date August 16, 1979 19

Fraction Used -80#

Analyst

SAMPLE NO.	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	ppm W		REMARKS
1-509	1.3	77	145	325	2	1.2		
510	1.3	74	135	345	3	1.2		
511	2.8	65	360	240	3	1.2		

APPENDIX II

STATEMENT OF QUALIFICATIONS

CASSIAR ASBESTOS CORPORATION LIMITED
2000 Guinness Tower, 1055 West Hastings St., Vancouver, B.C. Canada V6E 3V3. Phone (604) 688-2511, Telex 04-508644 Cable: Cassbestos

May 1, 1980

Statement of Qualifications

I, David R. Budinski with business and residential addresses in the city of Vancouver in the Province of British Columbia, do hereby certify that:

1. I am a graduate of the University of Alberta and hold a Bachelor of Science degree in Geology, 1955.

2. I have practiced my profession in various areas of Canada and overseas for the past 25 years and have been continuously employed by Cassiar Asbestos Corporation Limited for the past 15 years.

3. During the summer of 1979, I personally directed the prospecting activities of Mr. William E. Lumley and Mr. Robert Bujas who are both experienced graduate geologists. Mr. Lumley graduated in 1974 with a B.Sc. in Geology from the University of Waterloo, Waterloo, Ontario, and Mr. Bujas graduated in 1977 with a B.Sc. in Geology from Brock University, St. Catherines, Ontario.

4. I also personally edited and supervised the preparation of this report by Mr. B.H. Whiting, whose statement of qualifications is included in the appendix.

Respectfully submitted

David Budinski

David R. Budinski, B.Sc.

Vancouver, Canada.

CASSIAR ASBESTOS CORPORATION LIMITED

February 28, 1980.

Statement of Qualifications

I, Bernard Henry Whiting, with business and residential addresses in Vancouver, British Columbia, do hereby certify that:

1. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology, 1979.

2. From 1975 to 1979, I was employed in mineral exploration as a geologist for temporary positions with Rio Tinto Canadian Exploration Limited, Welcome North Mines Limited and the Pacific Science Congress.

3. I am presently employed on a full-time basis, as an exploration geologist, with Cassiar Asbestos Corporation Limited.

Respectfully Submitted,

B. H. Whiting

Bernard H. Whiting, B.Sc. Vancouver, Canada.

BHW:sb

APPENDIX III

STATEMENT OF COSTS

STATEMENT OF COSTS

1979 WORK - TOOTS 1 - 4 CLAIMS

a) Salaries and Wages

W. Lumley	- July 1 - 8 & July 24 - 31 = 16 days @ $72/day	=	$1,173.86
	- Oct. 11 - 20 = 10 days @ $72/day	=	705.48
	- Nov. 11 - 20 = 10 " " " "	=	705.48
	- Dec. 5 - 8 = 4 @ $173.50/day	=	694.07
	Sub-Total		$3,278.89
R. Bujas	- July 24 - 31 = 8 days @ $52/day	=	446.70
	- Oct. 2, 1979 = 1 day @ $115.50/day	=	115.54
	Sub-Total		$3,841.13
D. Budinski	- July 17 - 31 = ½ mo. @ $3,567.02/mo.	=	1,783.51
	Total Salaries		$5,624.64

b) Food and Accommodation (Rancheria, Y.T.)

W. Lumley	- July 1 - 8 & July 24 - 31 = 16 mandays @ $39/manday	= $ 624.00
R. Bujas	- July 24 - 31 = 8 mandays @ $39/manday	= 312.00
Helicopter pilot	- July 23 - 31 = 9 mandays @ $39/manday	= 351.00
Helicopter engineer	- July 23 - 31 = 9 mandays @ $39/manday	= 351.00
	Total	$1,638.00

c) Transportation

July 22	- Helicopter charter - approx. 5 hrs. @ $375/hr.	= $1,875.00
July 23 - 31	- Helicopter charter - approx. 22 hrs. @ $200/hr.	4,314.86
Ground Transportation	- truck expenses - 16 days @ $30/day	= 476.64
	Total	$6,666.50

d) Analyses

14 rock samples analyzed for Ag, Cu, Pb, Mo, Zn, Sn, Mn @ $46/sample	=	$ 644.00
204 soil samples analyzed for Ag, Cu, Pb, Zn, Mn, Sn, Mo, W @ $11/sample	=	2,238.35
Total		$ 2,882.35

e) Report & Maps Preparation

Ben Whiting - Feb. 1 - 29/80 - Salary 1 mo. @ $2,176.14	=	$2,176.14
Maps, photos, printing, etc.		183.15
Total		$ 2,359.29
TOTAL EXPENDITURES	=	$19,170.78

Distribution of Costs

The work program covered by this report was conducted simultaneously on the four claims (Toots 1-4). Therefore, the costs have been apportioned to each claim, or group of claims, according to area.

Toots 1 and 2 Cost	=	$ 9,585.39
Toots 3 Cost	=	4,792.69
Toots 4 Cost	=	4,792.70
		$19,170.78

D. Budinski.
April 17, 1980.

Branch: 136 Industrial Rd., Whitehorse Yukon
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PHONE 988-5315

GEOCHEMICAL LAB REPORT

No. 49-291

Extraction HNO_3-HCl; Iodide fusion

Method A.A.

Fraction Used -80 sx

From Cassiar Asbestos Corp. Ltd.

Date September 10, 19 79

Analyst

SAMPLE NO.		Ag* ppm	Cu ppm	Pb* ppm	Zn ppm	Mn ppm	Sn ppm	REMARKS
B-34		1.6	12	128	234	1000	8	
35		4.0	12	212	372	1250	6	
36		1.0	8	59	140	550	6	
37		0.7	8	220	255	1100	L 5	
38		0.5	8	252	260	1190	8	
39		6.1	14	925	515	1800	5	
40		6.6	15	550	599	1420	5	
41		8.6	20	555	585	1250	7	
42		2.3	24	585	578	9000	5	
43		1.8	16	445	389	6900	L 5	
44		1.0	16	264	257	5400	5	
45		2.0	21	520	450	5800	6	
46		1.0	21	276	273	2500	10	
47		1.2	21	288	208	2000	5	
48		1.3	21	1025	300	1550	5	
49		0.4	8	340	380	2000	5	
50		0.6	12	164	249	1000	7	
51		3.0	40	840	640	13800	L 5	
52		2.0	16	455	370	2750	L 5	
53		1.8	16	455	362	2650	L 5	
54		1.0	13	400	300	2000	L 5	
55		0.4	12	335	202	2380	L 5	
56		1.4	17	575	417	4600	L 5	
57		0.5	23	400	284	3400	L 5	
58		0.6	20	565	260	3200	L 5	
59		0.7	36	420	468	2250	L 5	
60		1.6	9	144	268	1250	L 5	
61		4.4	9	216	712	1350	L 5	
62		3.4	16	240	875	1710	L 5	
63		2.4	17	360	1300	1650	5	
B-64		1.8	15	360	538	2150	5	

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BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL LAB REPORT

SAMPLE NO.		Ag* ppm	Cu ppm	Pb* ppm	Zn ppm	Mn ppm	Sn ppm	REMARKS
B-65		1.0	20	385	740	1360	L 5	
66		0.6	9	136	242	390	L 5	
67		1.0	11	124	244	680	L 5	
68		0.6	12	68	209	550	5	
69		11.6	25	490	700	910	L 5	
70		2.5	13	308	601	1260	L 5	
71		2.4	17	375	880	1550	L 5	
72		2.5	18	410	422	1150	8	
73		8.0	20	400	500	1240	8	
74		7.5	32	284	380	1210	7	
75		7.4	19	355	532	1010	5	
76		7.0	23	730	1340	2880	5	
77		5.6	32	570	1540	1300	L 5	
78		2.4	20	208	1030	1100	L 5	
79		0.6	8	84	150	600	L 5	
80		2.0	90	210	480	970	5	
81		2.1	92	210	510	1150	8	
82		4.2	140	390	512	1450	5	
83		1.7	138	116	220	1300	L 5	
84		2.5	132	144	234	1300	L 5	
85		3.8	96	390	350	1000	10	
86		1.3	110	75	199	1320	5	
87		1.2	100	72	180	1150	L 5	
88		2.4	64	56	160	700	5	
89		1.0	71	68	210	1200	L 5	
90		3.1	150	360	1020	920	10	
91		1.0	22	620	562	1690	5	
92		0.8	17	148	200	1300	L 5	
93		1.2	22	236	320	1700	5	
94		1.4	20	173	290	1300	5	
95		0.4	14	112	225	1490	5	
96		0.8	13	176	250	1780	5	
97		0.3	14	116	120	1520	5	
98		0.4	16	130	290	1460	L 5	
99		0.5	24	230	240	1800	5	
B-100		0.6	25	132	430	2200	5	

GEOCHEMICAL LAB REPORT

SAMPLE NO.		Ag* ppm	Cu ppm	Pb* ppm	Zn ppm	Mn ppm	Sn ppm	REMARKS
L-556		1.2	13	204	235	560	L 5	
57		1.2	19	565	555	1970	5	
58		0.8	16	610	515	1950	L 5	
59		1.0	20	530	480	3300	5	
60		1.0	19	490	411	3250	L 5	
61		1.2	16	450	232	4400	L 5	
62		1.4	17	560	650	1510	5	
63		0.6	8	69	235	600	5	
64		2.0	8	52	260	750	5	
65		0.4	6	52	112	600	L 5	
66		1.7	18	256	275	2120	L 5	
67		0.7	19	112	454	1010	L 5	
68		0.8	22	256	575	1570	5	
69		1.8	20	101	618	1100	5	
70		1.2	24	244	512	2150	5	
71		0.8	32	260	765	2200	8	
72		1.6	7	28	80	420	5	
73		1.6	35	200	418	1380	5	
74		7.3	141	1435	560	900	65	
75		6.4	187	1090	1700	750	10	
76		4.8	84	720	454	650	12	
77		22.9	345	850	2220	1510	20	
78		9.5	84	950	440	320	13	
79		3.8	83	470	660	1000	5	
80		1.8	82	200	640	900	L 5	
81		3.8	93	172	505	1150	5	
82		6.2	61	276	618	1100	5	
83		1.6	48	172	252	250	13	
84		0.2	28	12	48	400	5	
85		0.4	11	31	170	700	15	
86		0.2	6	26	99	500	18	
87		0.1	8	24	132	430	15	
88		0.2	14	16	151	360	18	
89		0.2	17	28	205	500	18	
90		0.4	18	36	40	310	5	
L-591		3.6	28	1135	13200	1710	13	

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Report No. 49-291

BONDAR-CLEGG & COMPANY LTD.

Page No. 3

GEOCHEMICAL LAB REPORT

SAMPLE NO.		Ag* ppm	Cu ppm	Pb* ppm	Zn ppm	Mn ppm	Sn ppm	REMARKS
B-101		2.0	88	530	2600	3350	5	
02		1.0	60	470	860	4500	5	
03		0.9	36	435	1130	4600	5	
04		1.0	32	600	1220	4400	5	
05		1.2	40	975	1220	5220	5	
06		0.9	27	790	790	3530	5	
07		0.8	37	835	1120	3800	5	
08		1.3	48	1700	1460	3900	5	
09		2.2	100	1260	5600	3150	6	
B-110		1.4	51	1285	1300	4300	8	
L-530		1.4	15	1000	362	3200	8	
31		3.0	16	975	365	2000	5	
32		0.8	17	545	210	1400	7	
33		1.6	20	1090	450	2950	5	
34		2.6	24	1700	635	4800	6	
35		0.8	12	905	232	1620	7	
36		0.8	8	115	250	450	6	
37		0.8	12	1818	960	260	7	
38		0.8	9	170	450	900	5	
39		1.9	19	280	605	920	5	
40		1.6	18	156	322	1020	5	
41		4.2	22	204	338	1140	L 5	
42		0.8	9	88	161	1020	6	
43		0.6	9	140	250	1130	6	
44		0.8	14	191	350	1000	5	
45		0.4	16	76	145	510	6	
46		0.4	12	44	110	550	L 5	
47		0.4	7	46	131	420	L 5	
48		2.0	12	475	270	1180	L 5	
49		5.4	20	160	174	960	5	
50		1.3	22	175	380	1600	L 5	
51		3.2	88	835	940	2160	5	
52		1.2	18	465	430	1400	5	
53		2.6	54	1030	635	1650	5	
54		5.0	74	1850	630	2100	5	
L-555		0.5	12	263	310	1100	5	

BONDAR-CLEGG & COMPANY LTD.

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PHONE: (403) 667-6523
TELEX: 036-8-460

Geochemical Lab Report

Extraction HNO_3-HCl / SINTER

Method AA / COLORIMETRIC

Fraction Used -80 soils

Report No. [illegible]-291

From CASSIAR ASBESTOS

Date OCT. 18 19 79

SAMPLE NO.	Mo ppm	W ppm			SAMPLE NO.	Mo ppm	W ppm		
B-34	4	3			B-65	2	3	alc	
35	3	3			66	2	L 2	Quartzite	
36	3	6			67	1	4	River	
37	2	3			68	1	2		
38	1	L 2			69	1	2		
39	2	3			70	5	2		
40	3	3			71	4	3		
41	5	6			72	1	28		
42	7	10			73	7	3		
43	8	6			74	6	28		
44	8	6			75	5	L 2		
45	15	6			76	8	L 2		
46	13	6			77	1	6		
47	6	4			78	7	2		
48	4	4			79	2	3		
49	3	2			80	4	3		
50	2	2			81	5	L 2		
51	6	6			82	4	L 2		
52	5	L 2			83	4	3		
53	10	2			84	4	2		
54	3	3			85	4	L 2		
55	2	L 2			86	3	L 2		
56	3	3			87	2	L 2		
57	1	4			88	1	L 2		
58	5	6			89	16	L 2		
59	3	4			90	3	L 2		
60	2	2			91	2	L 2		
61	1	L 2			92	3	L 2		
62	1	3			93	2	8		
63	1	3			94	1	2		
B-64	2	3			B-95	2	2		

GEOCHEMICAL LAB REPORT

SAMPLE NO.		Ag* ppm	Cu ppm	Pb* ppm	Zn ppm	Mn ppm	Sn ppm	REMARKS
L-592		0.4	12	153	372	1000	5	
93		0.3	10	124	288	1280	5	
94		1.6	13	154	218	1170	6	
95		0.3	12	102	180	1500	5	
96		0.4	9	152	170	700	5	
97		0.4	10	340	315	1250	5	
98		1.2	20	735	688	2950	5	
L-599		0.6	11	370	250	1250	5	
L-600		0.4	14	440	330	1330	5	
01		0.7	20	575	285	1990	L 5	
02		0.4	20	100	212	1000	5	
03		0.4	17	204	210	1670	10	
04		1.6	24	850	1180	3700	6	
05		1.0	14	475	468	1460	5	
06		1.2	12	375	670	2000	L 5	
07		1.0	8	300	338	1980	L 5	
08		2.8	37	575	1260	6000	L 5	
09		2.0	20	280	725	6200	L 5	
10		2.0	23	250	700	4520	L 5	
11		1.2	190	340	21600	8700	15	
12		5.9	170	475	8900	G20000	190	
13		0.4	60	12	2640	1030	5	
14		0.8	57	25	13600	3320	10	
15		0.6	46	455	1260	1640	10	
16		0.6	16	460	8000	1780	15	
17		6.2	150	9200	5600	G20000	5	
18		1.6	48	2150	7200	8700	7	
L-619		21.1	50	G20000	G20000	9400	5	

L denotes less than
G denotes greater than
* background correction

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Geochemical Lab Report

Report No. 49-291 Page No. 3 of 3

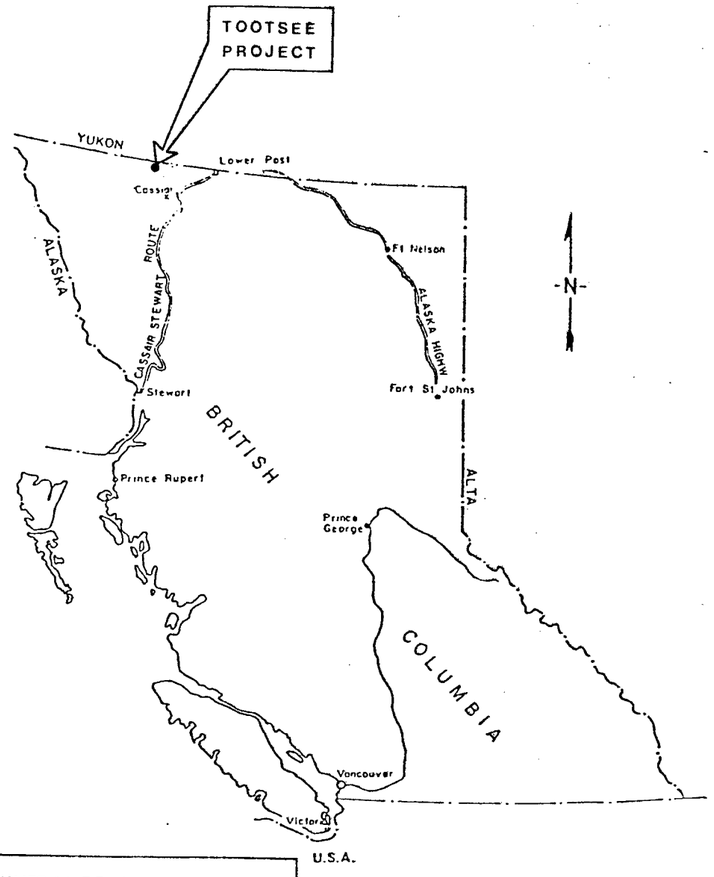
SAMPLE NO.	Mo ppm	W ppm			SAMPLE NO.			
L-587	6	9						
588	5	L 2						
589	3	L 2						
590	2	3						
591	4	6						
592	N.D.	4						
593	N.D.	2						
594	1	L 2						
595	1	L 2						
596	1	2						
597	2	2						
598	4	L 2						
599	3	3						
600	1	3						
601	2	2						
602	1	3						
603	2	3						
604	2	3						
605	1	L 2						
606	3	6						
607	2	3						
608	2	L 2						
609	2	L 2						
610	2	3						
611	25	L 2						
612	43	2						
613	12	2						
614	6	2						
615	25	2						
616	7	L 2						
617	98	L 2						
618	10	L 2						
L-619	10	6						

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

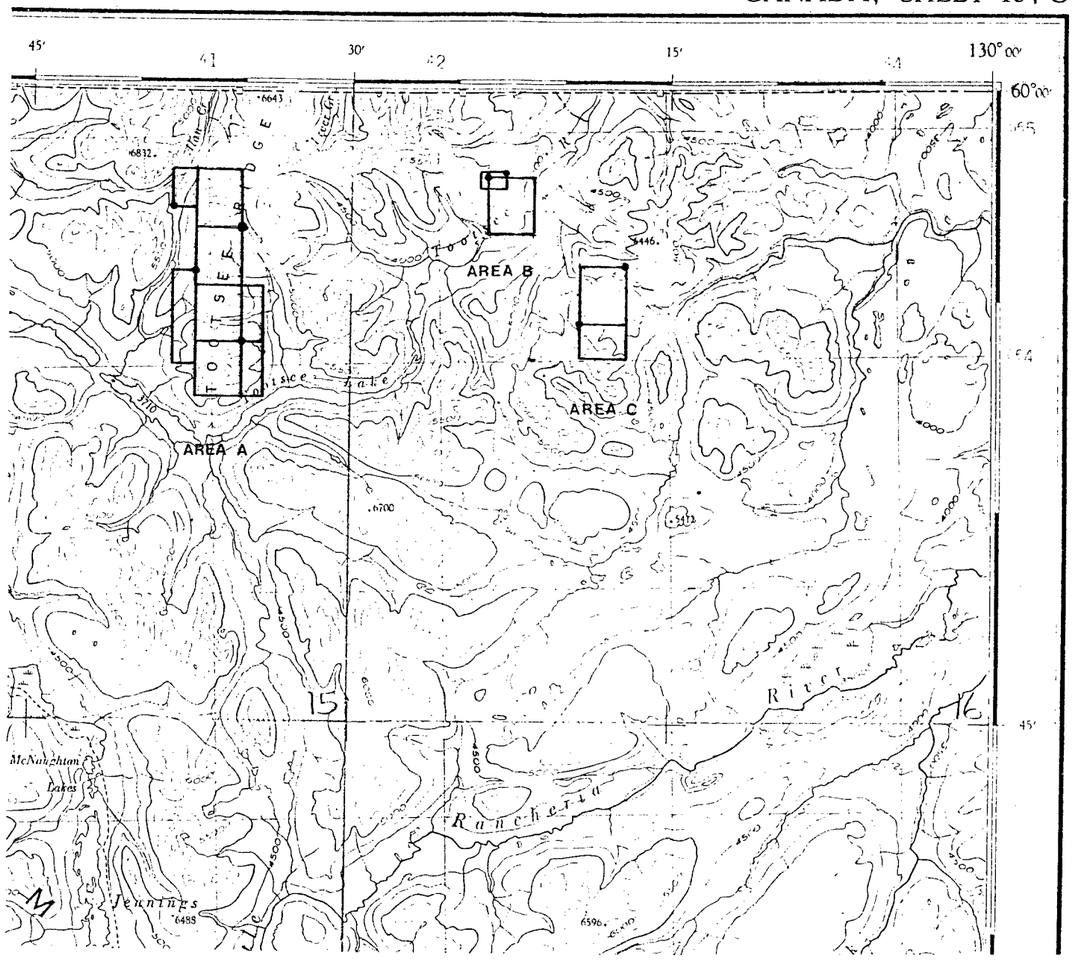
Report No. 49-291

SAMPLE NO.	Mo ppm	W ppm			SAMPLE NO.	Mo ppm	W ppm		
B-95	2	6			L-551	9	2		
97	1	22			552	16	2		
98	1	3			553	28	L 2		
99	2	6			554	44	L 2		
100	1	L 2			555	3	L 2		
101	2	4			556	3	L 2		
102	3	3			557	3	3		
103	1	3			558	2	L 2		
104	1	2			559	6	2		
105	1	2			560	5	L 2		
106	1	2			561	5	2		
107	2	L 2			562 I.S.	-	L 2		
108	1	2			563	2	3		
109	3	3			564	3	3		
110	3	2			565 I.S.	-	L 2		
L-530	3	3			566 I.S.	-	L 2		
531	4	L 2			567	2	3		
532	4	L 2			568	3	3		
533	5	L 2			569	2	2		
534	15	L 2			570	2	L 2		
535	21	4			571	2	3		
536	2	L 2			572	5	L 2		
537	1	L 2			573	3	3		
538	1	L 2			574	14	L 2		
539	2	L 2			575	5	6		
540	3	3			576	6	3		
541	4	14			577	6	L 2		
542	2	2			578	6	10		
543	1	L 2			579	3	10		
544	2	18			580	3	10		
545	2	10			581	3	6		
546	1	L 2			582	5	L 2		
547	N.D.	L 2			583	4	L 2		
548	3	8			584	2	8		
549	23	L 2			585	5	L 2		
L-550	13	L 2			L-586	5	4		

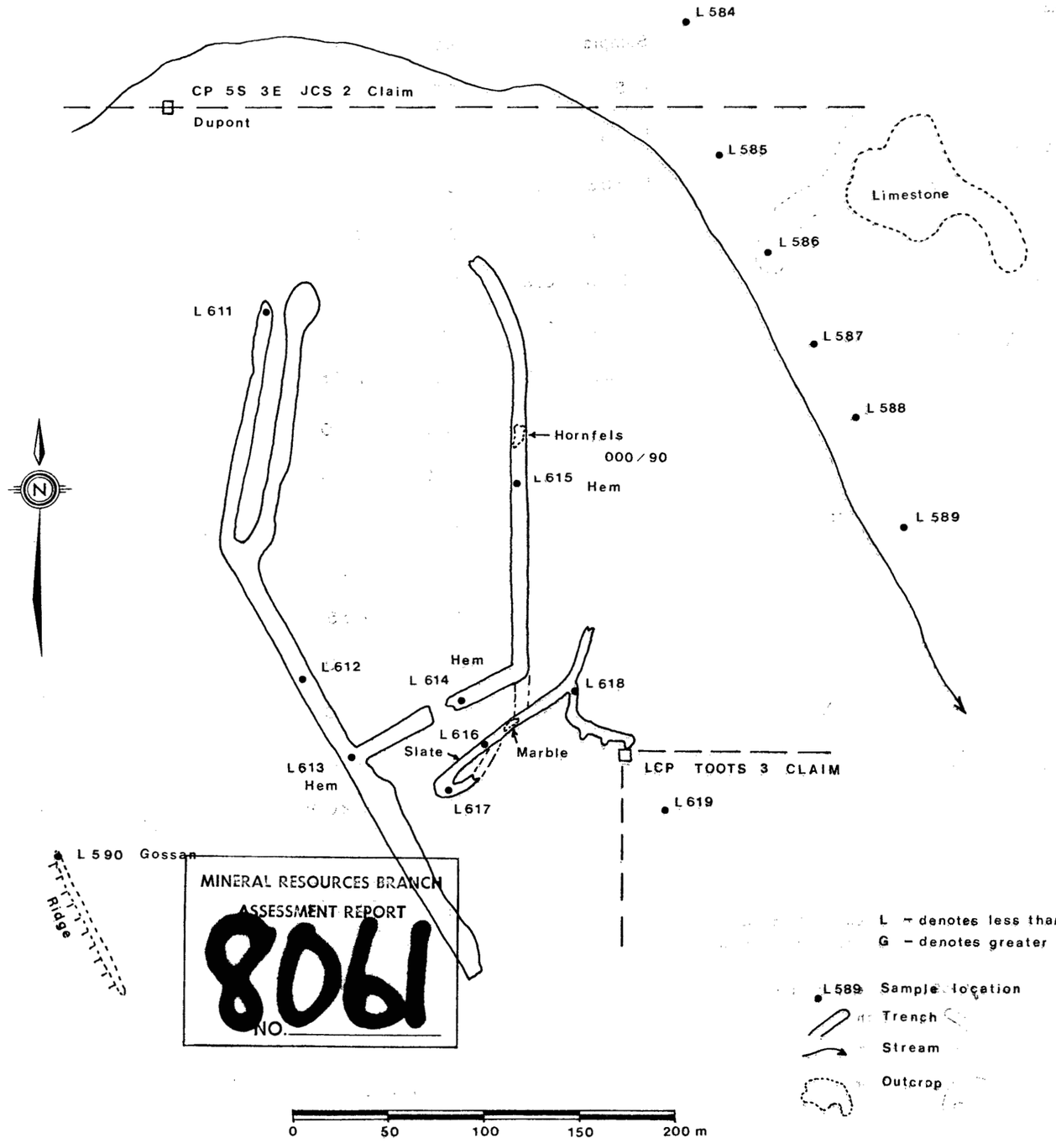


Scale 1 : 250,000

CANADA, SHEET 104-O



Cassiar Asbestos Corporation Limited	
TOOTSEE PROJECT	
Location Map	
Date February 1980	
Drawn by B. H. Whiting	Figure No. 1



L - denotes less than
G - denotes greater than

L589 Sample location
Trench
Stream
Outcrop

PARTS PER MILLION

Sample	Ag	Cu	Pb	Zn	Mn	Sn	Mo	W
L 584	0.2	28	12	48	400	5	2	8
L 585	0.4	11	31	170	700	15	5	L2
L 586	0.2	6	26	99	500	18	5	4
L 587	0.1	8	24	132	430	15	6	9
L 588	0.2	14	16	151	360	18	5	L2
L 589	0.2	17	28	205	500	18	3	L2
L 591	3.6	28	1135	13200	1710	13	4	6
L 611	1.2	190	340	21600	8700	15	25	L2
L 612	5.9	170	475	8900	G 20000	190	48	2
L 613	0.4	60	12	2640	1030	5	12	2
L 614	0.8	57	25	13600	3320	10	6	2
L 615	0.6	46	455	1260	1640	10	25	2
L 616	0.6	16	460	8000	1780	15	7	L2
L 617	6.2	150	920	5600	G 20000	5	98	L2
L 618	1.6	48	2150	7200	8700	7	10	L2
L 619	21.1	50	G 20000	G 20000	9400	5	10	6

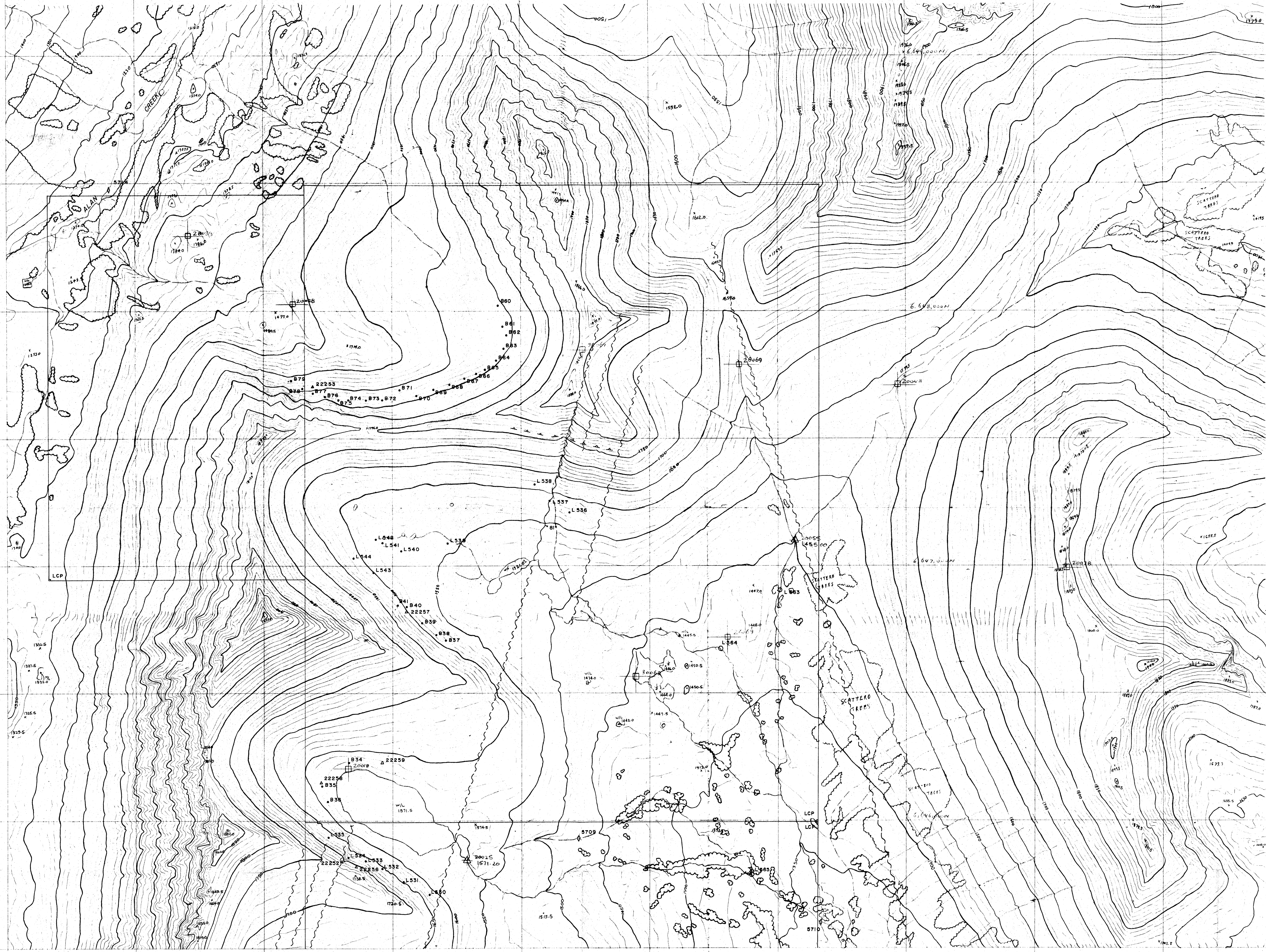
Cassiar Asbestos Corporation Limited

TOOTSEE PROJECT Area B

Geochemistry

Berg Showing

Date - February 1980	Scale - 1 : 2,500
Drawn by - B.H. Whiting	Figure - No. 6



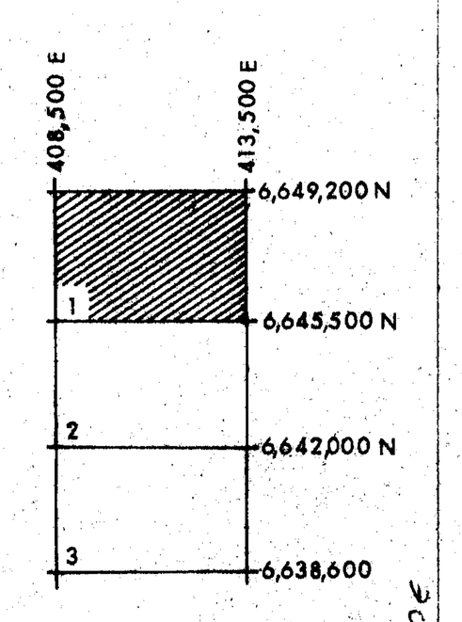
SAMPLE RESULTS

Talus and Silt Samples — parts per million

No.	Ag	Cu	Pb	Zn	Mn	Sn
B 34	1.6	12	128	234	1000	8
35	4.0	12	212	372	1250	6
36	1.0	8	59	140	550	6
37	0.7	8	220	255	1100	L5
38	0.5	8	252	260	1190	8
39	6.1	14	925	515	1800	5
40	6.6	15	550	599	1420	5
41	8.6	20	555	585	1250	7
60	1.6	9	144	268	1250	L5
61	4.4	9	216	712	1350	L5
62	3.4	16	240	875	1710	L5
63	2.4	17	360	1300	1650	5
64	1.8	15	360	538	2150	5
65	1.0	20	385	740	1860	L5
66	0.6	9	136	242	890	L5
67	1.0	11	124	244	680	L5
68	0.6	12	68	209	550	5
69	11.6	25	490	700	910	L5
70	2.5	13	308	601	1260	L5
71	2.4	17	375	880	1550	L5
72	2.5	18	410	422	1150	8
73	8.0	20	400	500	1240	8
74	7.5	32	284	380	1210	7
75	7.4	19	355	532	1010	5
76	7.0	23	780	1340	2880	5
77	5.6	32	570	1540	1300	L5
78	2.4	20	208	1030	1100	L5
B 79	0.6	8	84	150	600	L5
L 530	1.4	15	1000	362	3200	8
31	3.0	16	975	365	2000	5
32	0.8	17	545	210	1400	7
33	1.6	20	1090	450	2950	5
34	2.6	24	1700	635	4800	6
35	0.8	12	905	232	1620	7
36	0.8	8	115	250	450	6
37	0.8	12	1818	960	260	7
38	0.8	9	170	450	900	5
39	1.9	19	280	605	920	5
40	1.6	18	156	322	1020	5
41	4.2	22	204	338	1140	L5
42	0.8	9	88	161	1020	6
43	0.6	9	140	250	1130	6
44	0.8	14	191	350	1000	5
63	0.6	8	69	235	600	5
64	2.0	8	52	260	750	5
L 565	0.4	6	52	112	600	L5

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8061

FIGURE 5a



O Silt Sample Location
• Talus Sample Location
Δ Rock Sample Location
◊ Government Silts Sample Location
Fault (assumed)
Fault (confirmed)
Thrust Fault

SCALE 1:5000

100 0 100 200 300 400 500 Metres

ROCK ASSAYS

No.	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
22252		L 0.05	L 0.01	0.02	0.10
22253	0.05	6.57	0.17	0.93	3.93
22256		L 0.05	L 0.01	0.01	0.05
22258		0.20	L 0.01	0.82	0.22
22259		0.37	0.01	L 0.0	L 0.01

GOVERNMENT REGIONAL SILT SAMPLES ppm

No.	Ag	Pb	Zn
5709	2.2	280	310
5710	0.7	40	164
5714	0.9	42	122

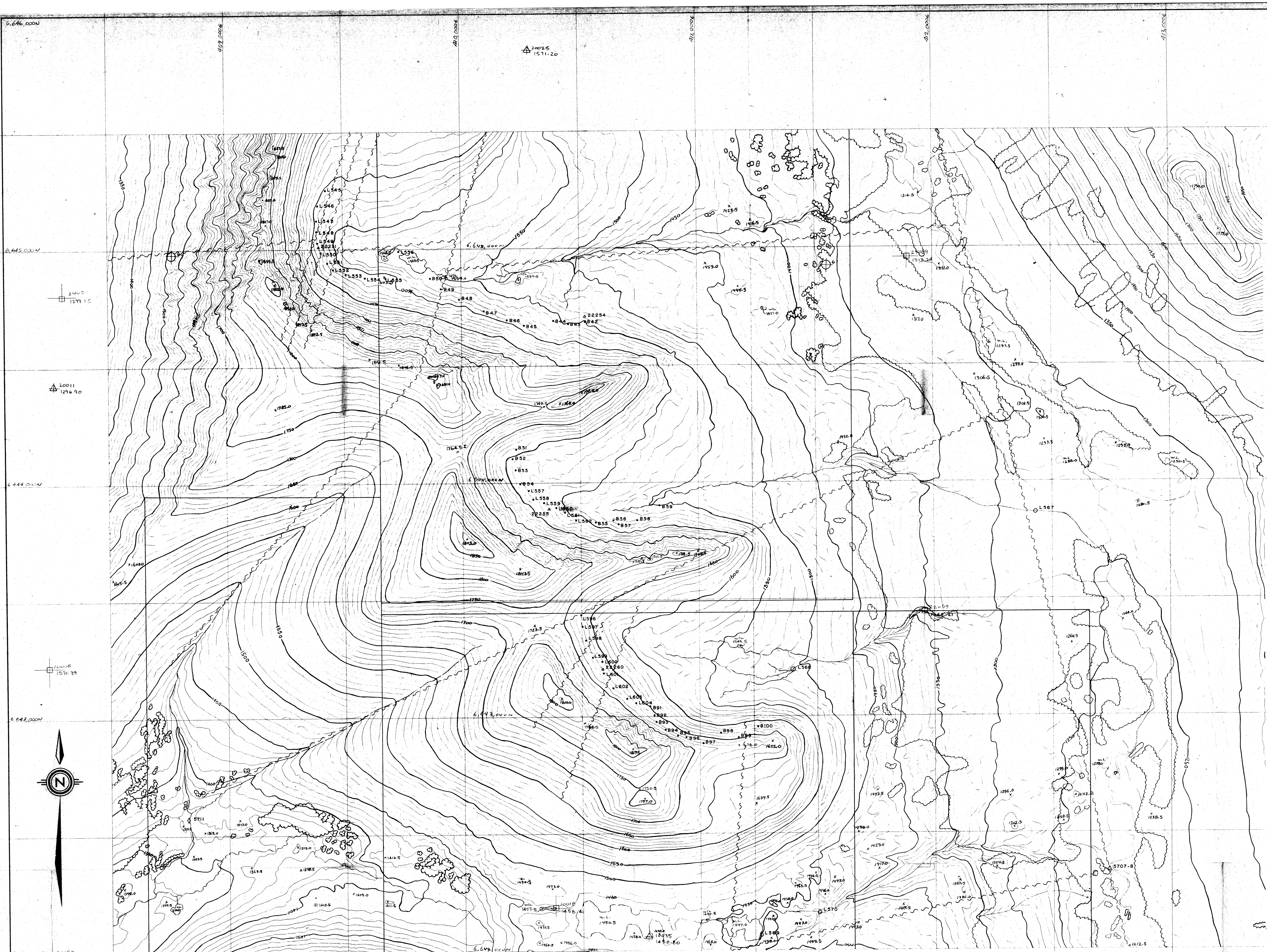
CASSIAR ASBESTOS CORPORATION LIMITED
VANCOUVER, B.C.

TOOTSEE PROJECT
Area A

Geochemistry

SCALE: 1:5000	DATE: JANUARY 1980
CONTOUR INTERVAL: 10 m	JOB NO.: 79-1107
COMPILED FROM PHOTOGRAPHY TAKEN: 31 JULY 1976	SHEET NO. 1 of 3

COMPILED BY
bassett surveys ltd.



SAMPLE RESULTS

Talus and Silt samples parts per million

No	Ag	Cu	Pb	Zn	Mn	Sn
B 42	2.3	24	585	578	9000	5
B 43	1.8	16	445	389	6900	L 5
B 44	1.0	16	264	257	5400	5
B 45	2.0	21	520	450	5800	6
B 46	1.0	21	1025	300	2500	10
B 47	1.2	21	288	208	2000	5
B 48	1.3	21	276	273	1550	5
B 49	0.4	8	340	380	2000	5
B 50	0.6	12	164	249	1000	7
B 51	3.0	40	840	640	13800	L 5
B 52	2.0	16	455	370	2750	L 5
B 53	1.8	16	455	362	2650	L 5
B 54	1.0	13	400	300	2000	L 5
B 55	0.4	12	335	202	2380	L 5
B 56	1.4	17	575	417	4600	L 5
B 57	0.5	23	400	284	3400	L 5
B 58	0.6	20	565	260	3200	L 5
B 59	0.7	36	420	468	2250	L 5
B 91	1.0	22	620	562	1690	5
B 92	0.8	17	148	200	1300	L 5
B 93	1.2	22	236	320	1700	5
B 94	1.4	20	173	290	1300	5
B 95	0.4	14	112	225	1490	5
B 96	0.8	18	176	250	1780	5
B 97	0.3	14	116	120	1520	5
B 98	0.4	16	130	290	1460	L 5
B 99	0.5	24	280	240	1800	5
B 100	0.6	25	132	430	2200	5
L 545	0.4	16	76	145	510	6
L 546	0.4	12	44	110	550	L 5
L 547	0.4	7	46	131	420	L 5
L 548	2.0	12	475	270	1180	L 5
L 549	5.4	20	160	174	960	5
L 550	1.8	22	175	380	1600	L 5
L 551	3.2	88	835	940	2160	5
L 552	1.2	18	465	430	1400	5
L 553	2.6	54	1030	635	1650	5
L 554	5.0	74	1850	630	2100	5
L 555	0.5	12	263	310	1100	5
L 556	1.2	13	204	255	560	L 5
L 557	1.2	19	565	555	1970	5
L 558	0.8	16	610	515	1950	L 5
L 559	1.0	20	530	480	3300	5
L 560	1.0	19	490	411	3250	L 5
L 561	1.2	16	450	232	4400	L 5
L 562	1.4	17	560	650	1510	5
L 567	0.7	19	112	454	1010	L 5
L 568	0.8	22	256	575	1570	5
L 569	1.8	20	101	618	1100	5
L 570	1.2	24	244	512	2150	5
L 596	0.4	9	152	170	700	5
L 597	0.4	10	340	315	1250	5
L 598	1.2	20	735	688	2950	5
L 599	0.6	11	370	250	1250	5
L 600	0.4	14	440	330	1330	5
L 601	0.7	20	575	285	1990	L 5
L 602	0.4	20	100	212	1000	5
L 603	0.4	17	204	210	1670	10
L 604	1.6	24	850	1180	3700	6

FIGURE 5b BHW

408,500E 413,500E
6,649,200 N
1
6,645,500 N
2
6,642,000 N
3
6,638,600 N

Silt Sample Location
• Talus Sample Location
△ Rock Sample Location
◇ Government Silt Sample Location
〰 Fault (assumed)

SCALE 1:5000

100 0 100 200 300 400 500 Metres

ROCK ASSAYS

No.	Au	Ag	Cu	Pb	Zn
22251		0.1 o/t	0.02 %	0.48 %	0.11 %
22254		0.95	0.08	0.54	3.73
22255		0.05	L0.01	0.01	0.03
22260		1.01	L0.01	25.5	1.50

GOVERNMENT REGIONAL SILT RESULTS

No.	Ag	Pb	Zn	ppm
5707	0.2	48	240	
5708	0.1	54	220	
5711	0.1	104	922	

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
No. 8061

CASSIAR ASBESTOS CORPORATION LIMITED
VANCOUVER, B.C.

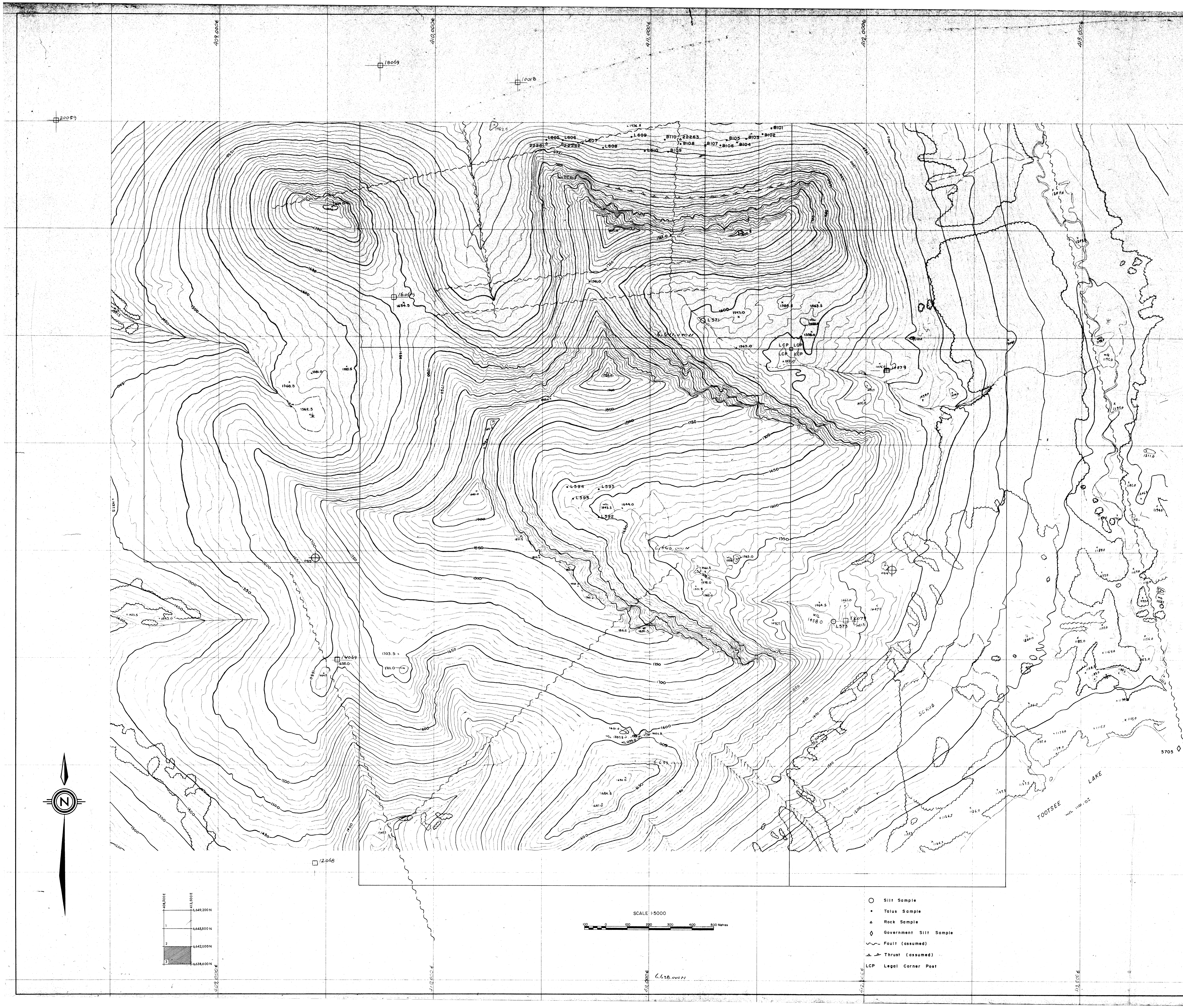
TOOTSEE PROJECT
AREA A

Geochemistry

SCALE: 1:5000	DATE: JANUARY 1980
CONTOUR INTERVAL: 10 m	JOB NO.: 79-1107
COMPILED FROM PHOTOGRAPHY TAKEN:	JULY 31, 1976

SHEET NO. 2 of 3

COMPILED BY
burnett resource surveys ltd.



SAMPLE RESULTS

Talus and Silts - parts per millions

No.	Au	Ag	Cu	Pb	Zn
B101		2.0	88	530	2600
B102		1.0	60	470	860
B103		0.9	36	435	1180
B104		1.0	32	600	1220
B105		1.2	40	975	1220
B106		0.9	27	790	790
B107		0.8	37	885	1120
B108		1.8	48	1700	1460
B109		2.2	100	1260	5600
B110		1.4	51	1285	1300
L571		0.8	32	260	765
L573		1.6	35	200	418
L592		0.4	2	153	72
L593		0.3	10	124	288
L594		1.6	13	154	218
L595		0.3	12	102	180
L605		1.0	14	475	468
L606		1.2	12	375	670
L607		1.0	8	300	338
L608		2.8	37	575	1260
L609		2.0	20	280	725
L610		2.0	23	250	700

Government Regional Geochemistry ppm

5705	0.2		48	300

Rock Assays

No.	Ag	Cu	Pb	Zn
	oz/ton	%	%	%
22261	0.80	0.02	2.90	0.62
22262	L0.05	L0.01	0.03	0.06
22263	0.47	0.02	0.60	1.50

FIGURE 5c BHW

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8061

CASSIAR ASBESTOS CORPORATION LIMITED
VANCOUVER, B.C.

TOOTSEE PROJECT
AREA A

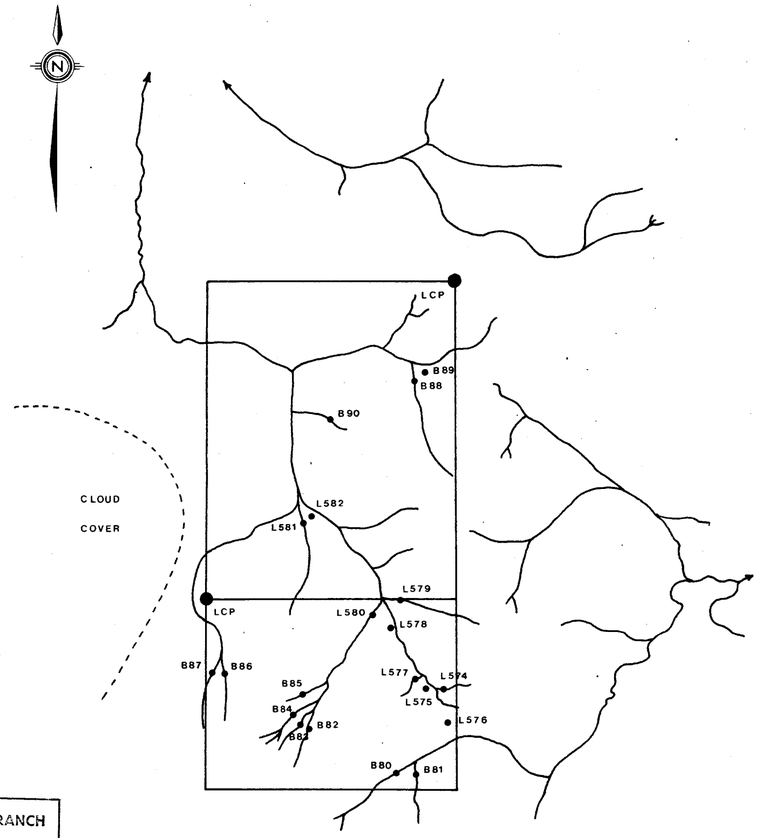
Geochemistry

SCALE: 1:5000	DATE: JANUARY 1980
CONTOUR INTERVAL: 10 m	JOB NO.: 79-1107
COMPILED FROM PHOTOGRAPHY TAKEN: JULY 31, 1976	SHEET NO. 3 of 3

COMPILED BY

LEGEND

- B90 — Sample Locations
- LCP — Legal Corner Post
- Stream
- Toots 4 - 20 units
- Renee 1 - 12 units



Drainage patterns compiled from
aerial photographs BC 5734 (68,69,70,80 & 81)

0 1000 2000 metres

Geochemical Results

parts per million

Sample No.	Ag	Cu	Pb	Zn	Mn	Sn	Mo	W
B80	2.0	90	210	480	970	5	4	3
B81	2.1	92	210	510	1150	8	5	L2
B82	4.2	140	390	512	1450	5	4	L2
B83	1.7	138	116	220	1300	L5	4	3
B84	2.5	132	144	234	1300	L5	4	2
B85	3.8	96	390	350	1000	10	4	L2
B86	1.3	110	75	199	1320	5	3	L2
B87	1.2	100	72	180	1150	L5	2	L2
B88	2.4	64	56	160	700	5	1	L2
B89	1.0	71	68	210	1200	L5	16	L2
B90	3.1	150	360	1020	920	10	3	L2
L574	7.3	141	1435	560	900	65	14	L2
L575	6.4	187	1090	1700	750	10	5	6
L576	4.8	84	720	454	650	12	6	3
L577	22.9	345	850	2220	1510	20	6	L2
L578	9.5	84	950	440	320	13	6	10
L579	3.8	83	470	660	1000	5	3	10
L580	1.8	82	200	640	900	L5	3	10
L581	3.8	93	172	505	1150	5	3	6
L582	6.2	61	276	618	1100	5	5	L2

Cassiar Asbestos Corporation Limited

TOOTSEE PROJECT Area C

Geochemistry

Date - February 1980	Scale - 1:32,810
Drawn by - B.H.Whiting	Figure - No. 7