DIAMOND DRILLING

REPORT

on the

SURELOCK #1 - #12 MINERAL CLAIMS

Situated on Frances Creek

GOLDEN, M.D.

NTS 82K/9

Latitude: 50° 44' 30"
Longitude: 116° 25' 30"

STEPHEN B. BUTRENCHUK
September 1, 1992

TABLE OF CONTENTS

LIST OF FIGURES

DIAMOND DRILLING REPORT ON THE SURELOCK #1-#12 MINERAL CLAIMS

Summary

During the period June 15, 1992 to July 26, 1992, Mountain Minerals drilled 304 metres in 11 holes on the Surelock property. This drilling was designed to test the extent of barite mineralization observed at two localities on the property. Drilling confirmed the presence of barite and the structural control of the barite in the Lower or Adit zone. In the Middle Zone barite mineralization is sporadic and very often associated with brecciation.

Introduction

The Surelock #1-#12 mineral claims, located on Frances Creek, were acquired by A. Louie in 1989. In July 1990, Mountain Minerals optioned the property and completed a program of soil geochemistry, geological mapping and trenching during the periods June 27, 1990 to July 3, 1990, and August 2, 1990 to August 13, 1990.

Geological mapping, done at a scale of 1:5000, indicated the property to be underlain by carbonate rocks of the Mount Nelson Formation. Several barite occurrences were located along a north-northwest trending breccia zone. A total of 184 soil samples were collected and analyzed for barium. The majority of samples had values in excess of 1,000 ppm Ba with a few samples being in excess of 10,000 ppm Ba.

Four trenches were dug using a John Deere 450 backhoe. Two of the trenches did not penetrate the overburden; one trench contained only dolomite and one trench intersected the barite zone. An adit was completed in 1991.

In June - July, 1992, Mountain Minerals completed a program of diamond drilling on the property. This program was designed to determine the extent of barite in the vicinity of the adit and in the Middle Zone.

Location and Access

The Surelock property, consisting of 12 mineral claims, is located on Frances Creek in the Golden Mining District at:

Latitude:	50° 44' 30"
Longitude:	116° 25' 30"

In particular, the claims are located 6.4 km southeast from Mr. Horeb and 7.5 km by road along Frances Creek from the Westside logging road.

Access to the property is via the Westside road and Frances Creek logging roads, a distance of 50 km from Invermere. These roads are well travelled logging roads with the exception of the last 6 km along Frances creek. Here the road is narrow with a few rough intervals. The property is also accessible by road from Brisco.

Property

The Surelock #1-#12 mineral claims (Figure 2) are owned by Arthur Louie of Invermere, B.C. and are currently under option to Mountain Minerals Co. Ltd. of Lethbridge, Alberta. The particulars of the claims are described as follows:

Claims	Record No	Date Recorded	Date Due*
Surelock #1	2065	September 21, 1989	September 21, 2002
Surelock #2	2066	"	"
Surelock #3	2067	"	"
Surelock #4	2068	"	"
Surelock #5	2069	September 26, 1989	September 26, 2002
Surelock #6	2070	"	"
Surelock #7	2071	September 29, 1989	September 29, 2002
Surelock #8	2072	"	"
Surelock #9	2073	October 2, 1989	October 2, 2002
Surelock #10	2074	"	"
Surelock #11	2075	October 6, 1989	October 6, 2002
Surelock #12	2076	"	"

*Pending acceptance of this report

Geology

Predominantly carbonate rocks of the Proterozoic Mount Nelson Formation underlie the Frances Creek area. Locally at the higher elevations small patches of Toby Conglomerate are present.

Mapping on the Surelock property, done at a scale of 1:5000, was restricted to a small area in the vicinity of known barite occurrences (Figure 3).

Gently dipping dolomite, argillaceous dolomite and minor shale of the Mount Nelson Formation underlie most of the area mapped. The dolomite is grey to orange-brown weathering, grey to cream or white, finely crystalline and thin to medium bedded. Locally the dolomite may have a bleached appearance. This bleaching is most obvious proximal to the barite.

Zones of pale greenish-grey argillaceous dolomite occur within the dolomite. Most of this material occurs proximal to known barite. Minor chert was encountered in the drilling.

Along the western margin of the mapped area sandstone and grit of the Toby Formation are present. This unit is interpreted to be in fault contact with the Mount Nelson dolomite.

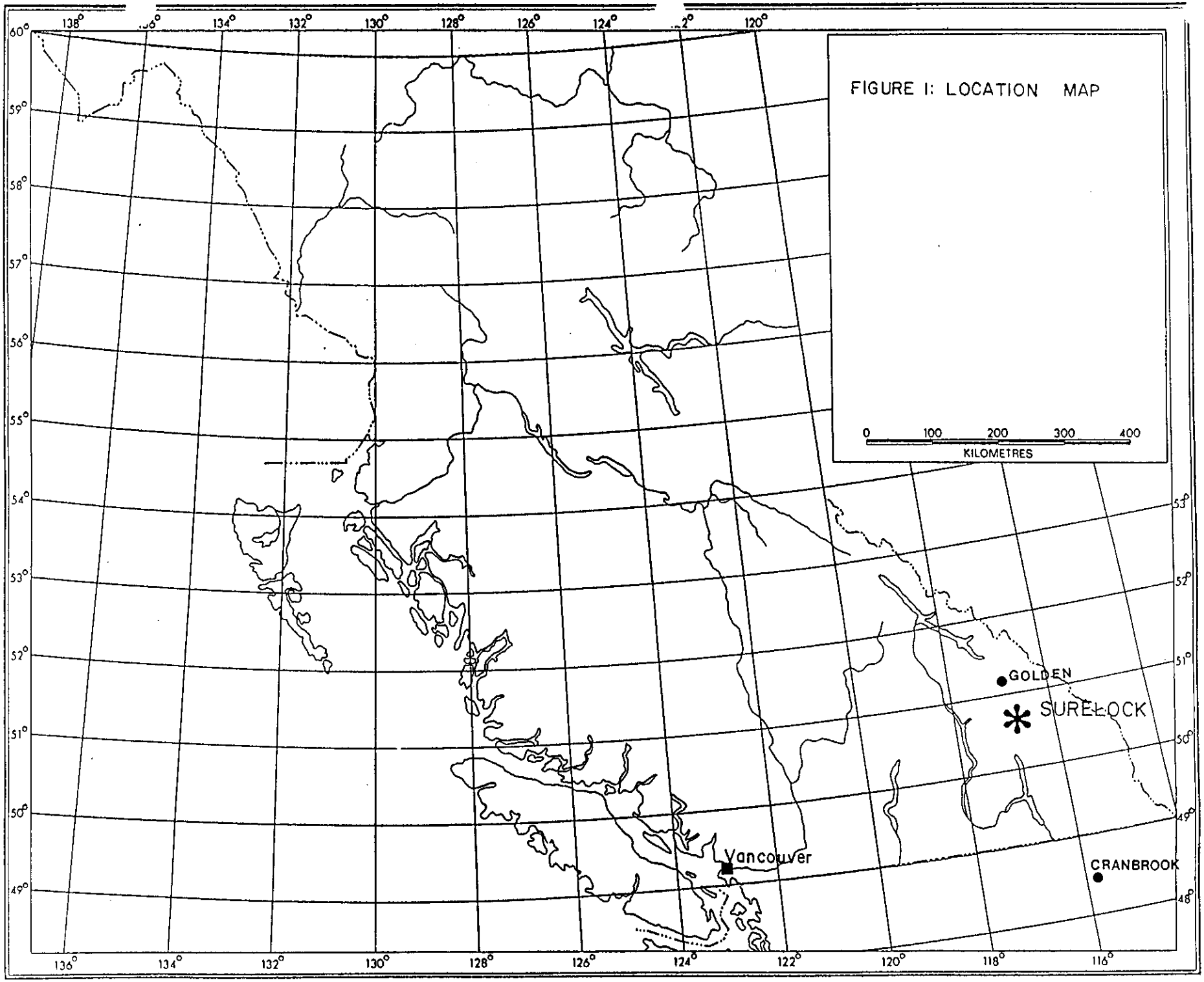
FIGURE I: LOCATION MAP
0 100 200 300 400
KILOMETRES
GOLDEN
SURELOCK
Vancouver
CRANBROOK
60°
59°
58°
57°
56°
55°
54°
53°
52°
51°
50°
49°
48°
138°
136°
134°
132°
130°
128°
126°
124°
122°
120°
118°
116°

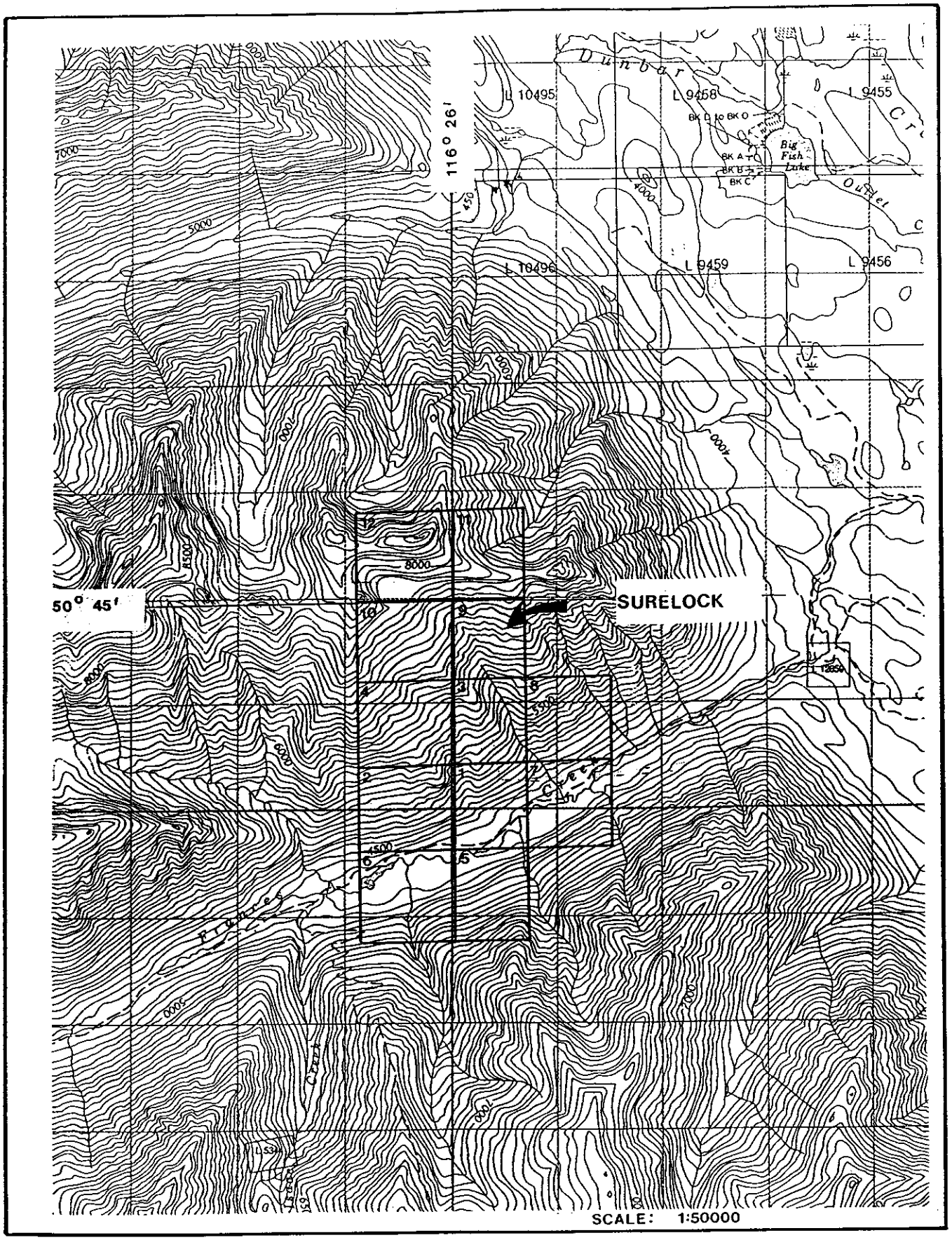

FIGURE 2: CLAIM MAP

Bedding on the property is generally gentle with dips varying from 15 to 20 degrees both easterly and westerly. Locally, the bedding becomes very steep to vertical. This steepening of dip may be related to a possible fault structure that occupies the north-northwest trending creek valley in the centre of the map area. This same fault structure may have controlled the localization of barite on the property.

Mineralization

Barite occurs at several localities within a north-northwest trending breccia zone, sub-parallel to a fault structure occupying a creek valley. These occurrences are present over a length of approximately 450 metres. The barite itself is present as cement surrounding dolomite fragments. It varies from 5% to 10% of the rock to greater than 90% of the rock by volume.

The lower barite or adit zone occurs between 2 + 00 N to 3 + 50 N along the baseline. Here the barite is approximately 5 metres wide and confined within two westerly dipping (70°) parallel faults. Nowhere has the eastern margin of the breccia zone been observed. Within the dolomite adjacent to the western edge of the breccia zone, narrow stringers of barite are present.

The middle zone, located at 6 + 25 N, appears to be approximately 50 metres to 100 metres wide (east-west direction) and may be a stratabound breccia zone within the shallow dipping dolomite beds. This zone has not, as yet, been adequately defined. Drilling has indicated that the barite is sporadic.

Diamond Drilling

During the period June 21, 1992 to July 30, 1992 a total of 305 metres in 11 holes was drilled on the Surelock property. Drilling was done by Vern Emery Drilling & Exploration Ltd. of Nelson, B.C. using a Diamec drill. The core has been stored at Mountain Minerals' mine at Parson, B.C.

Drill holes DDH92 - 1 to 5 were designed to test the lower mineralized zone in the vicinity of the adit. Drilling confirmed that the barite was confined to a narrow fault breccia. This breccia zone trends north-northwest and dips 70° to the west.

Drill holes DDH92 - 6 to 11 were designed to test the middle zone. Barite in this zone is sporadic and is present in breccias and as stringers. The quantity of barite is low.

Conclusions

The diamond drill program confirmed the presence of barite at depth and the structural controls on the barite. Quantities of barite are small and are not considered to be economical.

Report by:
STEPHEN B. BUTRENCHUK

Stephen B. Butrenchuk.

STATEMENT OF EXPENDITURES

Vern Emery Drilling & Exploration Ltd.	
1003 feet @ $18.00/ft	$18,054.00
S. B. Butrenchuk	
25 days @ $200.00day	5,000.00
TOTAL	**$23,054.00**

STATEMENT OF QUALIFICATIONS

I, Stephen B. Butrenchuk, of 34 Temple Crescent West, Lethbridge, Alberta, do hereby certify that:

1. I am the Exploration Manager for Mountain Minerals Co. Ltd. of Lethbridge, Alberta.

2. I am a graduate of the University of Manitoba with a B.Sc. in Geology (1966) and a M.Sc. in Geology (1970).

3. I have been practising my profession in British Columbia and Yukon since graduation.

4. I am a fellow of the Geological Association of Canada and a member of the Society for Mining, Metallurgy and Exploration, Inc.

5. This report is based upon knowledge of the Surelock property gained from supervision of exploration work on the property.

Stephen B. Butrenchuk

STEPHEN B. BUTRENCHUK

APPENDIX I

Diamond Drill Logs

APPENDIX I

Diamond Drill Logs

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-1 Sheet No. 1
Section
Date Begun June 24, 1992
Date Finished June 25, 1992
Date Logged June 25, 1992

Lat. 2+00N
Dep. 0+15E
Bearing 303°
Elev. Collar 4550 feet
Angle -45°

Total Depth 25.3 metres
Logged By SBB
Claim SURELOCK #1
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	2.3	2.2	Breccia: dolomite fragments in barite matrix;				
			20-25% barite; barite - white to cream				
2.3	5.7	3.4	Fault - gouged dolomite; rusty brown				
			colour				
5.7	7.2	1.5	Dolomite: green and maroon, minor				
			shearing @ 80° to core axis				
7.2	11.7	4.5	Dolomite: green, buff, pinkish-green,				
			@ 8.3 m shear				
			@ 11.2 m 1cm thick barite stringer				
11.7	25.3	13.3	Dolomite: green, maroon, pink, rare shear				
			or slip, rare quartz stringer, NO				
			BARITE				
			E.O.H. @ 25.3 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92- 2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH 92-2 Sheet No. 1
Section
Date Begun June 25, 1992
Date Finished June 25, 1992
Date Logged June 25, 1992

Lat. 2+00N
Dep. 0+15E
Bearing 303°
Elev. Collar 4550 feet
Angle -30°

Total Depth 22.4 metres
Logged By SBB
Claim SURELOCK #1
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	0.9	0.9	Breccia: dolomite fragments in barite matrix; barite 25%				
0.9	2.3	0.5	Fault				
2.3	6.8	4.0	Fault: dolomite, rusty brown colour, single barite stringer				
6.8	22.4	15.6	Dolomite: green, pink, maroon, rare quartz stringer and shear				
			E.O.H @ 22.4 metres.				

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DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH 92-3 Sheet No. 1
Section
Date Begun June 24, 1992
Date Finished June 27, 1992
Date Logged June 30, 1992

Lat. 1+95 N
Dep. 0+10 E
Bearing 020°
Elev. Collar 4550 feet
Angle -45°

Total Depth 27.3 metres
Logged By SBB
Claim SURELOCK #1
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	0.6		Overburden				
0.6	7.6	7.5	Dolomite: grey, medium-bedded, rare quartz-barite stringer				
7.6	7.8	0.2	Breccia: quartz-barite				
7.8	11.0	3.2	Dolomite				
11.0	14.3	3.2	Breccia: dolomite fragments in white barite matrix; barite 35%				
14.3	15.5	0.5	Fault				
15.5	27.3	12.8	Dolomite: pale pinkish grey to maroon -@ 16.8 20cm thick shear zone				
			E.O.H. @ 27.3 metres				

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DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-4

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH 92-4 Sheet No. 1
Section
Date Begun June 27, 1992
Date Finished June 28, 1992
Date Logged June 30, 1992

Lat. 1+95N
Dep. 0+10E
Bearing 020°
Elev. Collar 4550 feet
Angle -60°

Total Depth 30.3
Logged By SBB
Claim SURELOCK #1
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	0.6		Overburden				
0.6	8.2	7.2	Dolomite: grey, medium-bedded				
8.2	9.7	1.5	Breccia: grey dolomite fragments in a white barite-quartz matrix; barite 10%				
9.7	11.8	2.1	Dolomite: grey				
11.8	15.1	3.0	Breccia; white barite with some dolomite and quartz; barite 45-55% - dolomite - pale brown colour				
15.1	16.6	1.0	Breccia: barite 25% -@ 16m - rock highly sheared				
16.6	30.3	13.5	Dolomite: pale greenish-grey, maroon, medium-bedded; rare quartz-barite stringer perpendicular to core axis				
			E.O.H. @ 30.3 metres				

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DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-5

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-5 Sheet No. 1
Section
Date Begun June 29, 1992
Date Finished June 29, 1992
Date Logged June 30, 1992

Lat. 2+00 N
Dep. 0+10 E
Bearing 285°
Elev. Collar 4550 feet
Angle -30°

Total Depth 15.0 metres
Logged By SBB
Claim SURELOCK #1
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	6.0	6.0	Breccia: pale brown carbonate (probably siderite) in a barite-dolomite matrix; barite 20-25% @ 1.0 m 1.5 metres dolomite				
6.0	7.5	1.0	Breccia: sideritic rock; minor barite-dolomite stringers; barite 10%				
7.5	10.5	2.0	Fault: sideritic rock				
10.5	12.0	1.0	Dolomite: pale green and maroon; sheared				
12.0	15.0	3.0	Dolomite: pale greenish-grey; rare barite stringer				
			E.O.H. @ 15 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH 92-6 Sheet No. 1
Section
Date Begun July 4, 1992
Date Finished July 5, 1992
Date Logged July 7, 1992

Lat. 6+25N
Dep. 1+05W
Bearing 230°
Elev. Collar 5350 feet
Angle -60°

Total Depth 4.5 metres
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	4.5	3.0	Dolomite: some stringers and pods of barite (less than 10%)				
			E.O.H. @ 4.5 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-7 Sheet No. 1
Section
Date Begun July 10, 1992
Date Finished July 11, 1992
Date Logged July 13, 1992

Lat. 6+25N
Dep. 0+95W
Bearing 230°
Elev. Collar 5350 feet
Angle -45°

Total Depth 46.0 metres
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	3.5	2.8	Breccia: barite and grey dolomite; barite is white, 70-75% of rock				
3.5	7.2	3.5	Breccia: white barite and pale grey dolomite barite 50-75%				
7.2	12.2	5.0	Breccia: grey dolomite fragments in barite matrix; barite 25-35%; some quartz associated with barite (5-10%)				
12.2	14.9	2.5	Dolomite: pale grey to grey, some barite stringers - minor amounts of limonite				
14.9	19.5	4.6	Dolomite: grey to pale grey, thin to medium bedded, few white barite-dolomite stringers				
19.5	19.6	0.1	Barite: white with some limonite				
19.6	20.7	1.0	Dolomite: -@ 20.4 m 10cm thick barite zone				
20.7	20.8	0.1	Fault				
20.8	22.4	1.6	Dolomite				
22.4	22.6	0.2	Breccia: 40% white to cream barite; grey dolomite fragments.				
22.6	26.4	3.8	Dolomite				
26.4	26.8	0.4	Barite: 5% dolomite fragments				

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-7 Sheet No. 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
26.8	27.2	0.4	Dolomite				
27.2	31.0	3.7	Dolomite: brecciated; 25-30% white barite; barite also cream coloured				
31.0	34.7	3.7	Dolomite: pale grey to grey				
34.7	46.0	11.3	Dolomite: pale grey to grey, thin to medium bedded, siliceous, in part laminated - shearing @ 45.8 m. - occasional barite stringer (1cm thick) -@ 41.8 m 0.5 cm barite -@ 45.5 m 10 cm thick barite with limonitic laminae				
			E.O.H. @ 46.0 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-8

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-8 Sheet No. 1
Section
Date Begun July 12, 1992
Date Finished July 13, 1992
Date Logged July 15, 1992

Lat. 6+25N
Dep. 0+95W
Bearing
Elev. Collar 5350 feet
Angle -90°

Total Depth 37.8 metres
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	2.5	1.6	Barite: breccia; 25% dolomite; barite is white, medium crystalline, limonitic laminae throughout barite				
2.5	3.8	1.4	Dolomite: grey, pale grey				
3.8	6.8	3.0	Dolomite: grey, pale grey, maroon; barite @ 5.3 m and 6.7 m				
6.8	7.0	0.2	Mud seam				
7.0	8.8	1.8	Dolomite: contains up to 15% barite, broken core from 8.3 m				
8.8	15.9	7.1	Dolomite: pale greenish grey, pale grey, rare barite stringer, limonitic vugs and stringers common.				
15.9	16.0	0.1	Barite				
16.0	16.2	0.2	Dolomite				
16.2	16.6	0.4	Barite / Dolomite in equal amounts				
16.6	20.5	3.9	Dolomite				
20.5	20.7	0.2	Broken core; breccia, gouge, fault				
20.7	37.8	17.1	Dolomite: thin to medium bedded, limonitic stringers throughout, rare quartz or barite stringer				
			E.O.H. @ 37.8 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-9

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-9 Sheet No. 1
Section
Date Begun July 15, 1992
Date Finished July 21, 1992
Date Logged July 21, 1992

Lat. 6+25 N
Dep. 0+95 W
Bearing 050°
Elev. Collar 5350 feet
Angle -45°

Total Depth 23.3
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	2.8	1.3	Dolomite: grey, broken core; 15-20% barite				
2.8	3.8	1.0	Dolomite: brecciated; barite matrix and stringers relatively common; 15-20% barite				
3.8	6.8	3.0	Dolomite: grey; less than 15% barite - mainly in stringers				
6.8	6.9	0.1	Barite				
6.9	7.3	0.4	Dolomite				
7.3	7.45	0.15	Barite				
7.45	9.0	1.55	Dolomite: occasional barite bleb				
9.0	9.15	0.15	Barite: white, coarse crystalline				
9.15	10.2	1.05	Dolomite: abundant barite 9.45-9.75m.				
10.2	13.2	3.0	Dolomite: pale grey to pale pink; occasional 1cm. thick barite stringer; few shear slips and limonitic hairline fractures				
13.3	16.3	3.0	Dolomite				
16.3	16.5	0.2	Breccia: quartz with minor barite matrix				
16.5	18.3	1.8	Dolomite: pale grey to pale pink, thin bedded				
18.3	22.8	4.5	Dolomite				
22.8	23.3	0.5	Chert: laminated, pale pink to pale grey; rare quartz stringer				

NEVILLE CROSBY INC.

E.O.H. 23.3 metres

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-10

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-10 Sheet No. 1
Section
Date Begun July 21, 1992
Date Finished July 22, 1992
Date Logged July 22, 1992

Lat. 6+25 N
Dep. 0+95 W
Bearing 050°
Elev. Collar 5350 feet
Angle -60°

Total Depth 26.0 m.
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	1.8	0.4	Broken rock: breccia, dolomite fragments in barite matrix; barite 10-15%.				
1.8	3.3	1.4	Dolomite: grey to pale grey, siliceous; rare quartz &/or barite stringer				
3.3	4.4	1.0	Broken core: mainly grey dolomite; rare barite stringer - @ 4.2m. 5mm thick barite zone - @ 4.35m. 1cm thick barite veinlet parallel to core axis				
4.4	8.3	3.9	Dolomite: occasional to rare barite stringer (1cm thick)				
8.3	8.5	0.2	Barite: some buff colouration, otherwise white				
8.5	9.5	1.0	Breccia: grey to dark grey dolomite fragments in cherty matrix; minor barite				
9.5	9.7	0.2	Chert: fault sub-parallel to core axis; 1cm. displacement				
9.7	11.0	1.3	Dolomite: in part brecciated; minor barite in thin stringers from 10.7 m				
11.0	11.5	0.5	Barite: badly sheared and brecciated - fault gouge at 11.05 m.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-10

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-10 Sheet No. 2 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
11.5	12.5	1.0	Dolomite: pale pink to pale pinkish-grey; siliceous, thin-bedded; no barite; few thin argillaceous bands				
12.5	14.5	2.0	Dolomite: pale brown to buff, thin bedded, in part siliceous, no barite, few shears perpendicular to core axis 13.7 - 13.8 Chert.				
14.5	18.7	4.2	Dolomite: pale pinkish-grey, thin bedded, siliceous; 5cm. thick band of chert at 14.8 m. - bedding perpendicular to core axis - rare thin quartz stringer perpendicular to core axis 16.0 - 17.0 dolomite has pale brown to buff colour - at 18.1 4 cm breccia zone; barite fragments in quartz matrix.				
18.7	21.5	2.8	Dolomite: pinkish grey, siliceous, thin bedded - @ 19.4 - 3cm. thick quartz-barite breccia - @ 21.1 m - 5cm thick shear perpendicular to core axis.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-10

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-10 Sheet No. 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
21.5	26.0	4.5	Chert - cherty dolomite: pinkish grey to grey, thin bedded				
			- @ 22m - shear zone				
			- @ 22.5m abundant quartz stringers to 22.8m				
			- @ 25.8m shear				
			E.O.H. @ 26.0 metres				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH 92-11 Sheet No. 1
Section
Date Begun July 22, 1992
Date Finished July 24, 1992
Date Logged July 24, 1992

Lat. 6+25 N
Dep. 0+95 W
Bearing 250°
Elev. Collar 5350 feet
Angle -37°

Total Depth 25.5 metres
Logged By SBB
Claim SURELOCK #3
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	3.5	3.0	Dolomite: pink to grey, thin bedded, partly siliceous; rare barite-quartz veinlet or stringer.				
3.5	5.0	1.45	Cherty dolomite: pale grey to grey; some broken core -@ 5.0 m 2cm thick barite.				
5.0	5.2	0.2	Broken core: some barite present				
5.2	5.5	0.3	Cherty dolomite				
5.5	6.3	0.8	Quartz and Cherty dolomite - contact sub-parallel to core axis				
6.3	7.85	1.55	Cherty dolomite: grey to pink; few barite-quartz stringers -@ 6.6 m breccia				
7.85	9.3	1.45	Barite: white, occasional dolomite fragment -@ 9.0 m dolomite and barite in equal amounts - barite contains small amounts of limonitic material in blebs and fractures.				
9.3	11.0	1.7	Cherty dolomite: pale pink to grey, thin bedded.				
11.0	11.6	0.6	Barite: some cherty dolomite present. -@ 11.2 m fault				

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH 92-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH92-11 Sheet No. 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			-@ 11.3 m 5cm thick zone of laminated dolomite.				
11.6	12.7	1.1	Cherty dolomite; few barite blebs (5-10%) - brecciated				
12.7	13.85	1.15	Barite: white to buff, limonitic hairline fractures common; -@ 13m - fault				
13.85	16.0	2.15	Cherty dolomite: pale pinkish grey; occasional barite stringer or bleb to 14.5 m.				
16.0	16.4	0.2	Barite: 20 cm lost core				
16.4	16.5	0.1	Cherty dolomite.				
16.5	16.9	0.4	Barite: few grey dolomite fragments				
16.9	21.0	4.1	Cherty dolomite: -@ 17.8 m shear 17.8-18.0 brecciated -@ 18.9 5cm thick barite -@ 19.4 2cm thick barite-quartz veinlet				
19.7	21.4	1.7	Breccia: barite at 21 m; barite-siderite @ 21.1 m				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY SURELOCK HOLE No. DDH92-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

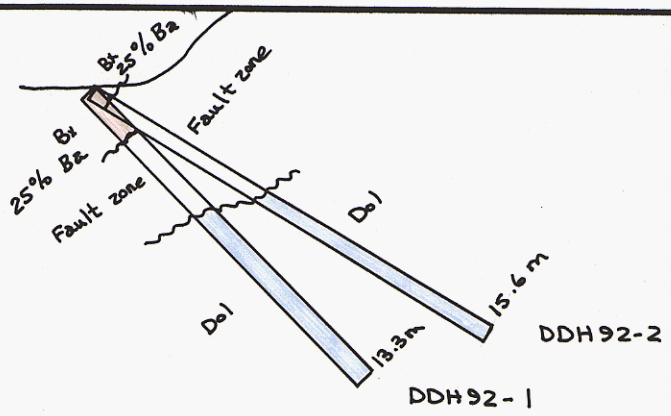
Hole No. DDH92-11 Sheet No. 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

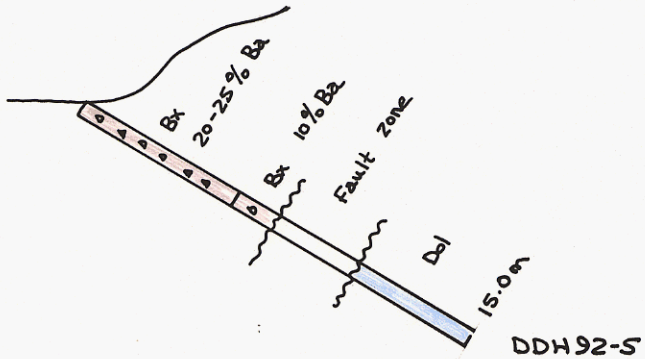
DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
21.4	22.3	0.9	Barite: pure white to creamy white; upper contact @ 30° to core axis; lower contact @ 45° to core axis.				
22.3	22.5	0.2	Breccia:				
22.5	22.7	0.2	Barite: contains blebs of siderite				
22.7	24.5	1.8	Dolomite: grey, siliceous @ 24m 10cm of barite-quartz-siderite				
24.5	25.5	1.0	Cherty dolomite: pale grey to grey @ 25m shear @ 25.4m 1cm thick barite veinlet				
			E.O.H @ 25.5 metres				

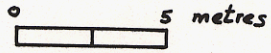
NEVILLE CROSBY INC.



SOUTH

NORTH

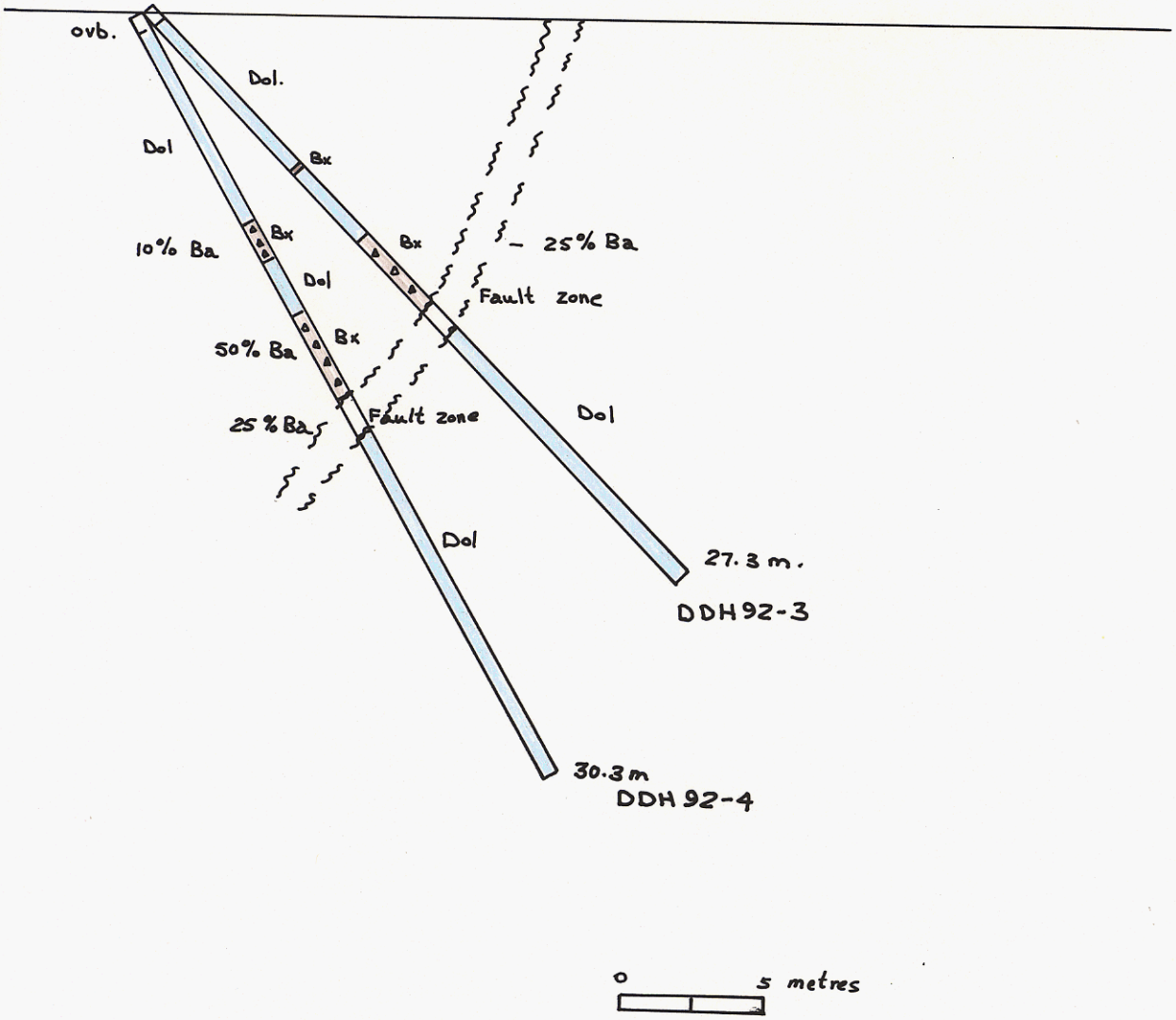




MOUNTAIN MINERALS CO. LTD.	
714-5 Ave. S, LETHBRIDGE, ALBERTA. T1J 0V1, 329-0443	
SURELOCK	
DRILL-HOLE SECTION: DDH92-1&2; DDH92-5	
SCALE 1:250	DESIGN BY
DATE AUGUST, 1992	REVISED
DRAWN BY SBB	DRAWING NO. 5

WEST

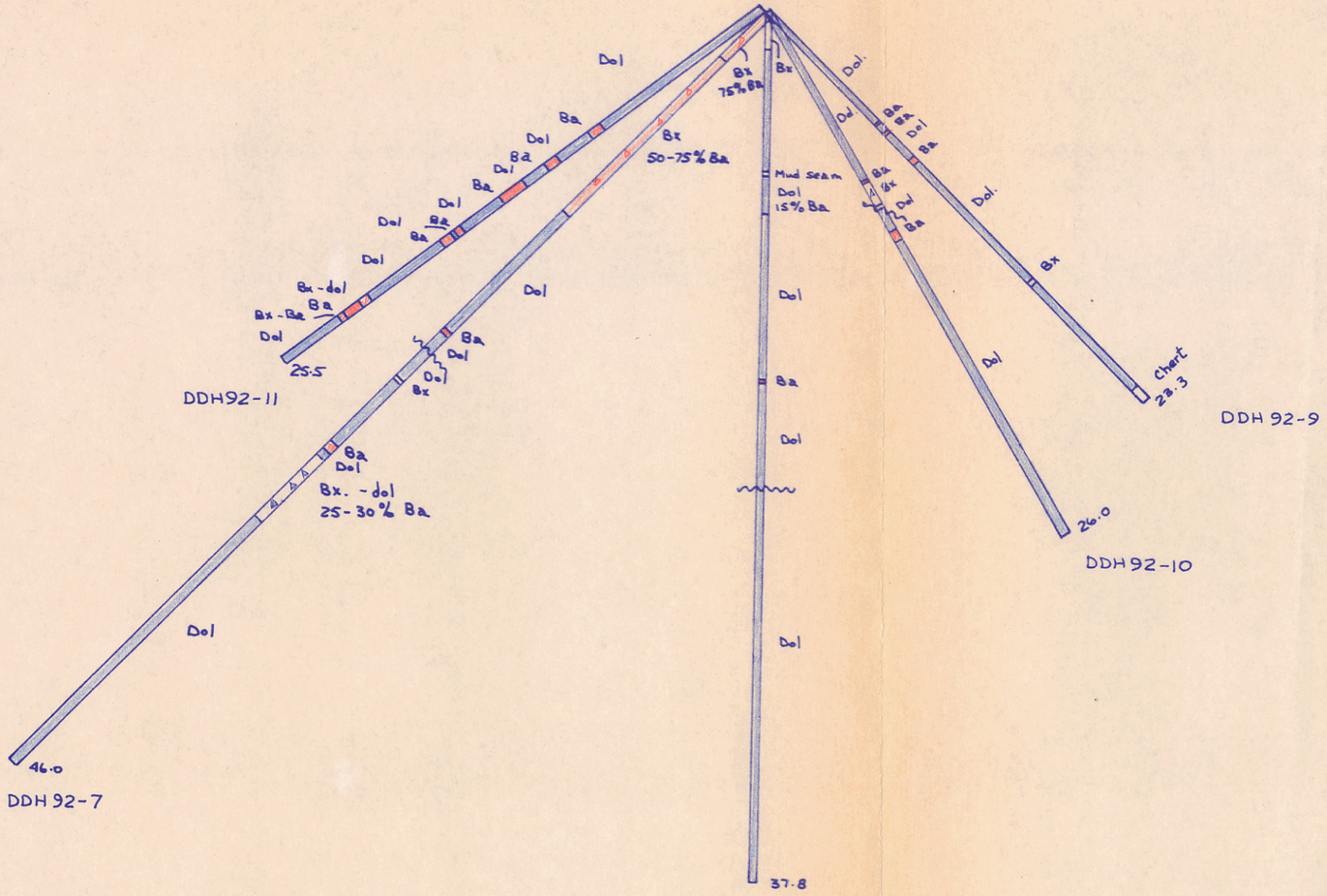
EAST



MOUNTAIN MINERALS CO. LTD.	
714-5 Ave. S, LETHBRIDGE, ALBERTA. T1J 0V1, 329-0443	
SURELOCK	
DRILL-HOLE SECTION: DDH92-3 & 4	
SCALE 1: 250	DESIGN BY
DATE AUGUST, 1992	REVISED
DRAWN BY SBB	DRAWING NO. 6

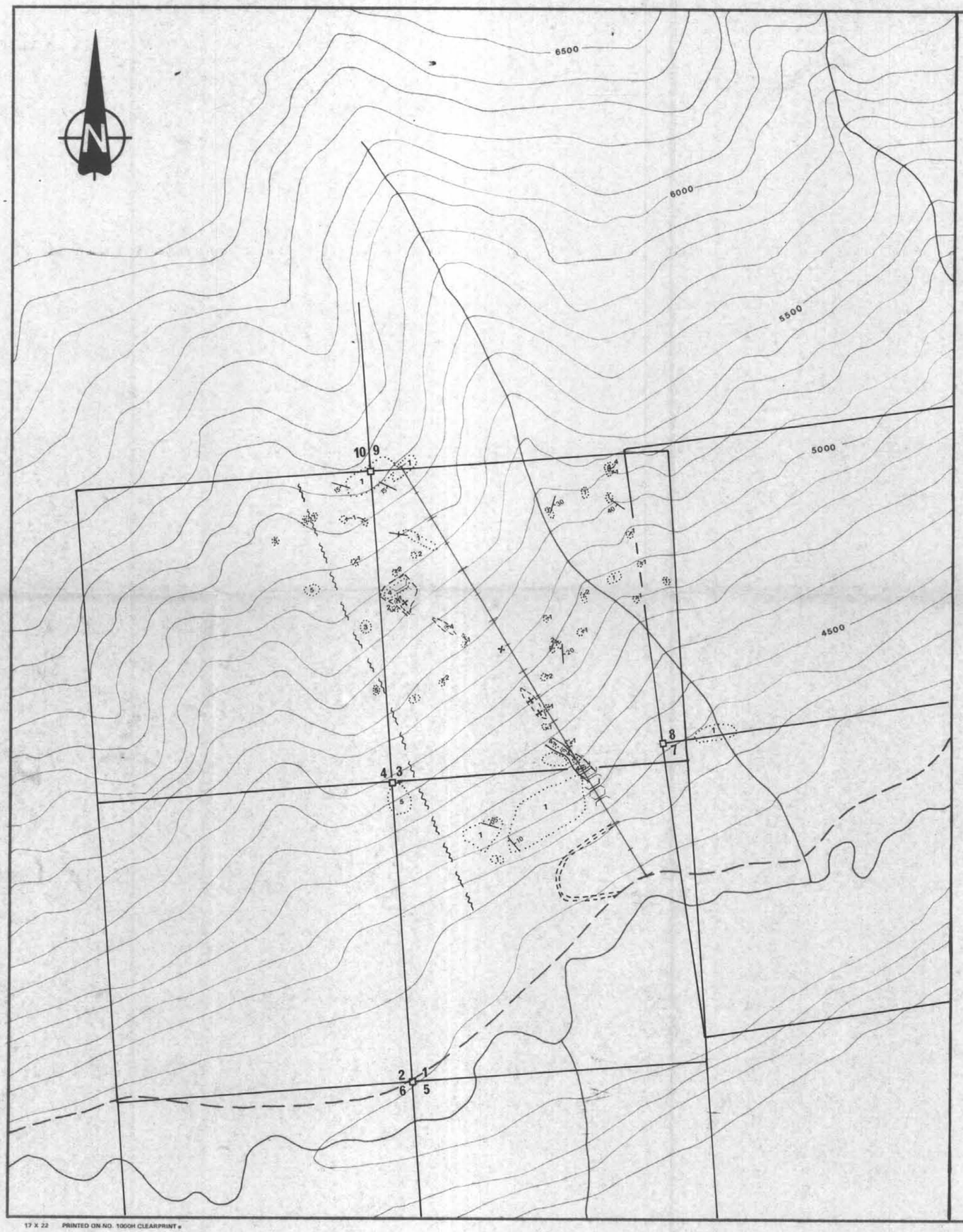
WEST

EAST



0 5 metres

MOUNTAIN MINERALS CO. LTD.	
714 - 5 Ave. S, LETHBRIDGE, ALBERTA. T1J 0V1, 329-0443	
SURELOCK	
CROSS - SECTION 6+25N	
SCALE 1 : 250	DESIGN BY
DATE AUGUST, 1992	REVISED
DRAWN BY SBB	DRAWING NO. 7



LEGEND

TOBY FORMATION

5 Sandstone, grit

MOUNT NELSON FORMATION

4 Barite

3 Shale, dolomitic shale

2 Dolomite: argillaceous

1 Dolomite

SYMBOLS

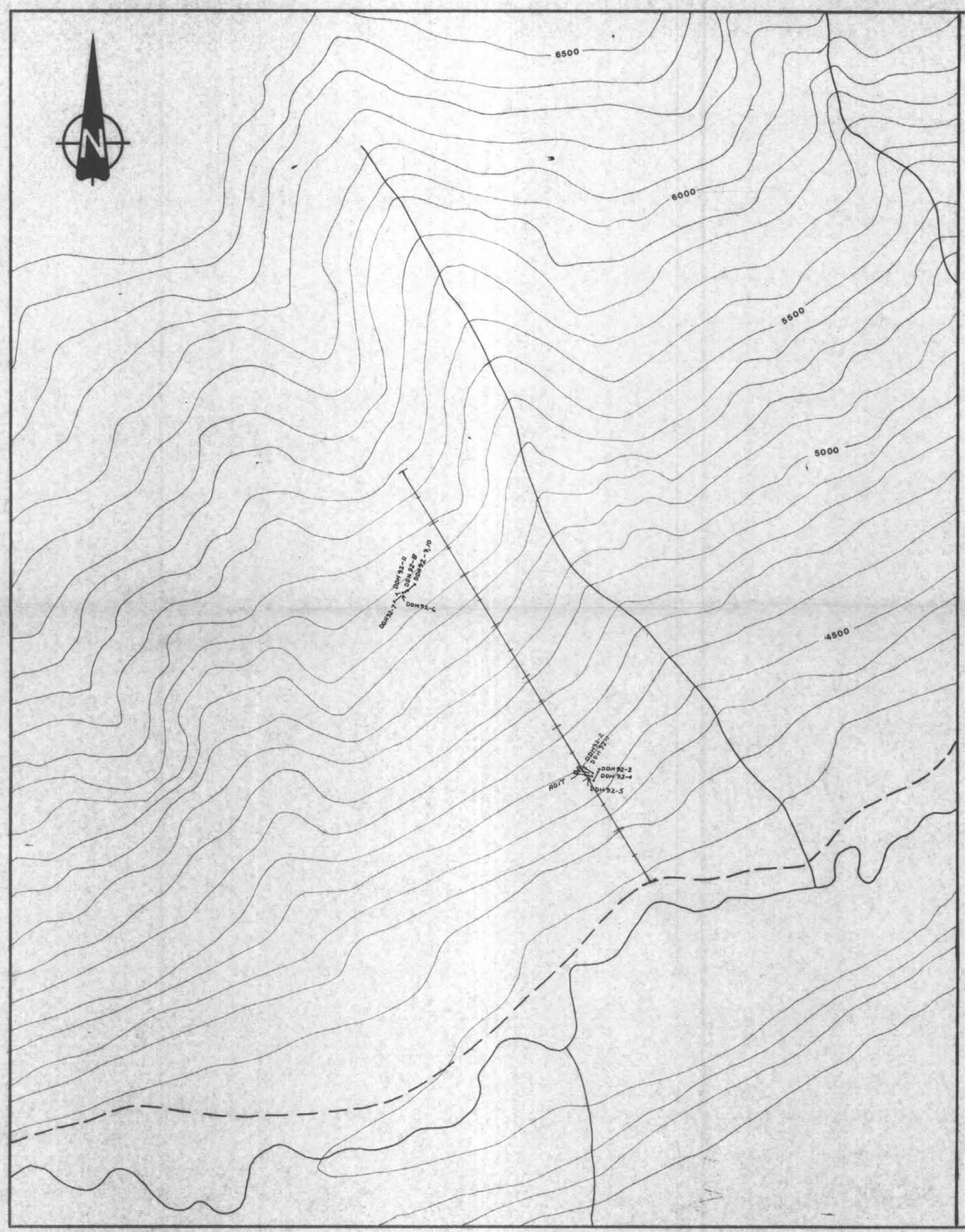
- Outcrop
- Bedding (inclined, vertical)
- Fault (known, approximate)
- Trench
- Claim post
- × Mineralized small outcrop
- Trail
- Geological contact (known, approximate)

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,485

0 100 200 300 METRES

MOUNTAIN MINERALS CO., LTD.		
SCALE: 1 : 5000	APPROVED BY:	DRAWN BY SBB
DATE: AUG., 1990		REVISED
GEOLOGY MAP		
SURELOCK		DRAWING NUMBER 3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,485

MOUNTAIN MINERALS CO., LTD.		
SCALE: 1 : 5000	APPROVED BY:	DRAWN BY SBB
DATE: AUG., 1990		REVISED Aug./92
DRILL HOLE LOCATIONS		
SURELOCK		DRAWING NUMBER 4

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