

4140

104B/10W
GEOLOGICAL AND GEOCHEMICAL REPORT

on the

SNIP - SHAN CLAIM GROUP

LIARD MINING DIVISION

Latitude 56°49'N

Longitude 130°49'W

N.T.S. 104-B-10

<u>Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
Shan #1 to #4	41595-41598	December 23, 1979
Shan #6	41600	December 23, 1979
Snip #1 to #2	69216-69217	September 1, 1980
Snip #3 to #4	69218-29319	September 1, 1975
Snip #5 to #8	69220-69223	September 1, 1980
Snip #9 to #15	69224-29230	September 1, 1975
Snip #17 to #18	69232-69233	September 1, 1975
Snip #20	69235	September 1, 1975
Snip #22	69237	September 1, 1975
Snip #26	69241	September 1, 1975
Snip #27 to #28	69242-69243	September 1, 1973

for

SKYLINE EXPLORATIONS LTD.

by:

G. C. GUTRATH, P.Eng.

ATLED EXPLORATION MANAGEMENT LTD.

Vancouver, B.C.

February, 1973

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 4140 MAP

TABLE OF CONTENTS

	Page
INTRODUCTION.....	1
GEOGRAPHY.....	2
Location.....	2
Access.....	2
Topography.....	2
Vegetation.....	3
Climate.....	3
Water.....	4
CLAIMS.....	4
HISTORY AND DEVELOPMENT.....	4
GEOLOGY.....	5
General.....	5
Property.....	5
GEOCHEMICAL SURVEY.....	8
Survey Completed.....	8
Survey Results.....	8
CONCLUSION.....	10
APPENDICES	
ILLUSTRATION	
#1 Location Map.....	After Page 2
IN MAP POCKET	
#2 Geology and Major Outcrop Areas - Scale 1" = 400'	
#3 Outcrop Geology and Trench Assays-Scale 1" = 40'	
#4 Geochemical Survey - Copper -Scale-1" = 400'	
#5 Geochemical Survey - Zinc - Scale 1" = 400'	
#6 Cu P.P.M.	
#7 Cu P.P.M.	

SNIP - SHAN CLAIM GROUP
LIARD MINING DIVISION
SKYLINE EXPLORATIONS LTD.

INTRODUCTION

The exploration program on the Snip - Shan Group was carried out by Atled Exploration Management Ltd. between August 7 and August 30, 1972 under the supervision of G. Gutrath, P. Eng.

The purpose of the program was to determine the extent of the known zinc and copper mineralization on the claim group, and to determine if a continued program is warranted in 1973.

The program was carried out at the request of Mr. R. Davis, President of Skyline Explorations Ltd.

GEOGRAPHY

Location

The claim group is located on the east flank of the Coast Range Mountains 4 miles southeast of the confluence of Snippaker Creek and the Iskut River. Telegraph Creek is 85 miles to the north and Stewart is 60 miles to the southeast.

Co-ordinates of the property are $56^{\circ}49'$ north latitude and $130^{\circ}49'$ west longitude.

Access

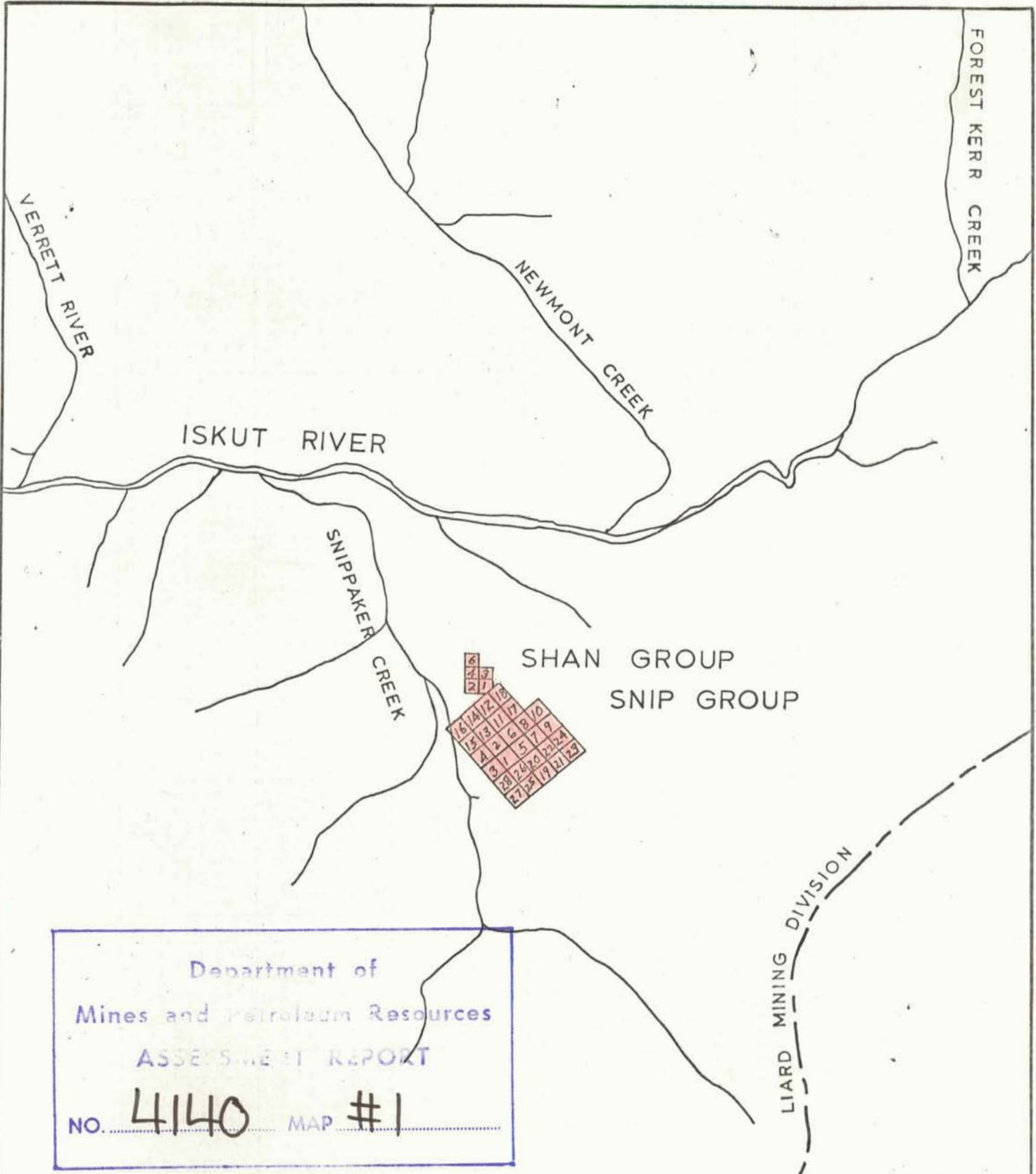
The property can be reached by helicopter from Stewart. During the summer months a helicopter is normally based at the Schaft Creek - Hecla camp a distance of 45 miles to the north.

A gravel airstrip suitable for Beaver or Otter fixed wing aircraft is located 5 miles to the south in the Snippaker Valley. There is another gravel-airstrip at Bob Quinn Lake 30 miles to the northeast of the property.

The nearest road is the Stewart-Cassiar Highway that passes just to the east of Bob Quinn Lake. There would be little difficulty in building a road, approximately 40 miles long, on the south side of the Iskut Valley to connect with the Stewart-Cassiar Highway.

Topography

The claim group covers a northwesterly trending ridge and the north east side of the Snippaker Creek Valley. Snippaker Creek on the west side of the claim group is at an elevation of 1,500 feet. The valley rises



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 4140 MAP #1

SKYLINE EXPLORATIONS LTD. (N.P.L.)
 SHAN & SNIP GROUP
 LOCATION MAP
 ATLED EXPLORATION MANAGEMENT LTD.
 scale in miles FEB, 1973
 2 1 0 1 2 3 4

precipitously to the ridge at an elevation of 2,600 feet. The claims cover the ridge between the elevation of 2,600 feet and 4,000 feet. The ridge is a series of rolling hummocks and in the area of the limestone formation has typical Karst topographic features.

Vegetation

The ridge between the 2,600 foot and 3,000 foot elevations is covered by a thick stand of fir, spruce, balsam and a scattering of pine. Above 3,000 feet the timber thins and is replaced by stunted balsam and typical alpine flora of the Coast Range Mountains.

The Snippaker valley is heavily timbered with fir and spruce on the more gentle slopes. The steeper areas are covered with dense "slide" alder and devils club.

Climate

The property is located in the transition area between the West Coast marine and Interior dry belt climate divisions.

There would be an estimated 80 inches of rain and up to 6 feet of compacted snow at the higher elevations, during the year.

Summer temperatures would range from +32°F to +60°F and winter temperatures from -32°F to +32°F. The coast weather system has a modifying effect on this area and severe cold temperatures do not prevail for long periods.

Water

There is ample water on the property for future drilling requirements.

CLAIMS

There are a total of 36 contiguous claims in the Snip - Shan Claim Group.

<u>Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
Shan #1 to #4	41595-41598	December 23, 1979
Shan #6	41600	December 23, 1979
Snip #1 to #2	69216-69217	September 1, 1980
Snip #3 to #4	69218-29319	September 1, 1975
Snip #5 to #8	69220-29223	September 1, 1980
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Snip #17 to #18	69232-69233	September 1, 1975
Snip #20	69235	September 1, 1975
Snip #22	69237	September 1, 1975
Snip #26	69241	September 1, 1975
Snip #27 to #28	69242-69243	September 1, 1973

HISTORY AND DEVELOPMENT

The property was first located by Newmont Mining Corporation of Canada Ltd. in 1963. Newmont carried out an airborne magnetometer survey and limited ground exploration in 1964.

The claims were allowed to lapse and in 1969 the Shan #1 to #20 were staked by Julian Berkosha. In January, 1970 Skyline purchased the claims from Mr. Berkosha.

A limited trenching program was carried out in 1970 and 1971. In 1972 the Snip Group was staked, and a program of line cutting, geochemical sampling, geological mapping and an extensive trenching program were completed.

GEOLOGY

General

(Ref: G.S.C. Map 9-1957)

The property is located in the eastern edge of the Coast Range batholith of Jurassic age. Twelve miles to the west of the property the batholith is in contact with the Bowser Basin sediments of Creta-~~Triassic~~ *Triassic* Tertiary age.

Within the eastern edge of the Coast Range intrusive are numerous embayments and xenoliths of Triassic volcanics and related sediments. Intruding both the older intrusive and sedimentary rocks are felsite and syenite stocks that are tentatively identified as being Tertiary in age.

The Iskut valley to the north of the property is filled with Tertiary basalt flows and related pyroclastics that originated from a vent 8 miles to the north, on the south side of the Iskut River. Hoodoo

Mountain 14 miles to the west of the property, on the north side of the Iskut, is another Tertiary volcano.

Property

The claim group is underlain by Triassic volcanics, limestone and related sediments that have been intruded by Coast Range granodiorite and diorite of Jurassic age. The Triassic volcanics may be a very large xenolith completely surrounded and in part digested by the intrusive. There has not been enough mapping done on the east side of the claim group to determine the extent of the volcanic and sedimentary series. The xenolith appears to be a minimum of 500 feet long and up to 1,500 feet wide.

A limestone marker horizon varying from 200 to 600 feet in width trends in a north westerly direction and dips 30 to 60 degrees to the northeast. This rock unit is bordered on both sides by metavolcanics and metasediments that have been altered to actinolite epidote skarn near their contact with the intrusive. This series is primarily composed of andesite, andesite porphyry, fine grained green tuff, minor limey argillaceous tuffs and discontinuous narrow limestone beds. The more limey units are commonly altered to an actinolite garnet skarn.

The intrusive varies from a more acidic granodiorite-monzonite on the south side of the xenolith to a more basic diorite with granodiorite phases on the north side of the property. There are numerous dikes and sill-like extensions of monzonite to diorite composition that intrude the bedded series.

The southern limestone volcanic intrusive contact zone is the most important mineralized zone on the claim group. The mineralization consists of sphalerite, magnetite, minor chalcopyrite and pyrite.

The sphalerite is light brown, crystalline and occurs as disseminations or as massive lenses. It is directly associated with the actinolite garnet epidote skarn near the contacts of the intrusive bodies. The sphalerite is widespread along the entire southern contact zone. This mineralized zone varies from a few inches to tens of feet in apparent width and is irregular and discontinuous making it difficult to determine its true width. The sphalerite is associated with pyrite, minor chalcopyrite and disseminated magnetite. Galena is rare and was only noted in one area. Widely spaced irregular, narrow quartz veins carrying pyrite, chalcopyrite and occasionally tetrahedrite occur in the southern mineralized skarn zone area.

There is a marked increase in chalcopyrite mineralization in the area of Trench #5 on the Snip #5 claim. The chalcopyrite is in part associated with a quartz-calcite vein stockwork which may be related to the fault zone to the east, on the margin of the main intrusive mass. There is also good chalcopyrite mineralization in Trench #4. The chalcopyrite occurs in an intensely leached and oxidized quartz vein making it very difficult to get a representative sample. This zone has not been traced beyond the trenched area.

Magnetite occurring as disseminations and in massive lenses, is commonly associated with the skarn zones. In the southern area from 1% to 5% magnetite occurs as fine disseminations with the sphalerite mineralization. A series of massive discontinuous narrow lenses of magnetite and epidote occur in the altered volcanics near their southeastern contact with the silicified argillaceous sediments on the Snip #5 claim. Massive lenses of magnetite up to 20 feet in width occur on the Snip #11 claim just to the west of the mapped area. Minor pyrite and very minor chalcopyrite are associated with the magnetite.

GEOCHEMICAL SURVEY

Survey Completed

A total of 50,000 feet of grid line was cut and chain and compass surveyed. Stations were marked at 100 foot intervals.

A total of 648 soil samples were collected at 100 foot intervals on the grid. Of these, 324 samples were analysed for copper and zinc.

The samples were taken from the "B" soil horizon with a grub-hoe and stainless steel trowel. The samples were placed in a kraft paper bag and semi-dried before being shipped to Vancouver Geochemical Laboratories Ltd., 1521 Pemberton Avenue, North Vancouver, B. C. for analysis.

The method of analysis was as follows:

1. Sample sifted or ground to -80 mesh.
2. Mesh weight used 0.50g.
3. Final volume 10 ml.
4. Method - Instrumental - Atomic Absorption.
5. Extraction - Hot HClO_4 - HNO_3 digestion.
6. Detection - Techtron AA5.

Survey Results

1. Zinc

The background zinc values in the soil are relatively low, in the range of 40 to 60 ppm. Threshold anomalous values are in the range of 80 to 100 ppm. zinc and anomalous values are over 100 ppm.zinc.

The contoured zinc values indicate that the southern and westerly skarn zone areas are the most favourable for zinc mineralization.

The highest zinc value of 900 ppm. is at station 6 W on line 36N on the western edge of the area that has been geologically mapped. This area has been mapped as a skarn zone, but more detailed mapping is required to determine the extent of the mineralization in the zone that is indicated by the anomaly.

The anomalous values on line 36N station 2W are very likely caused by down slope ion migration from the mineralized skarn area on line 32N station 3 west.

The cause of the anomalous values on 4N station 8W and at station 3S on the base line have not been determined.

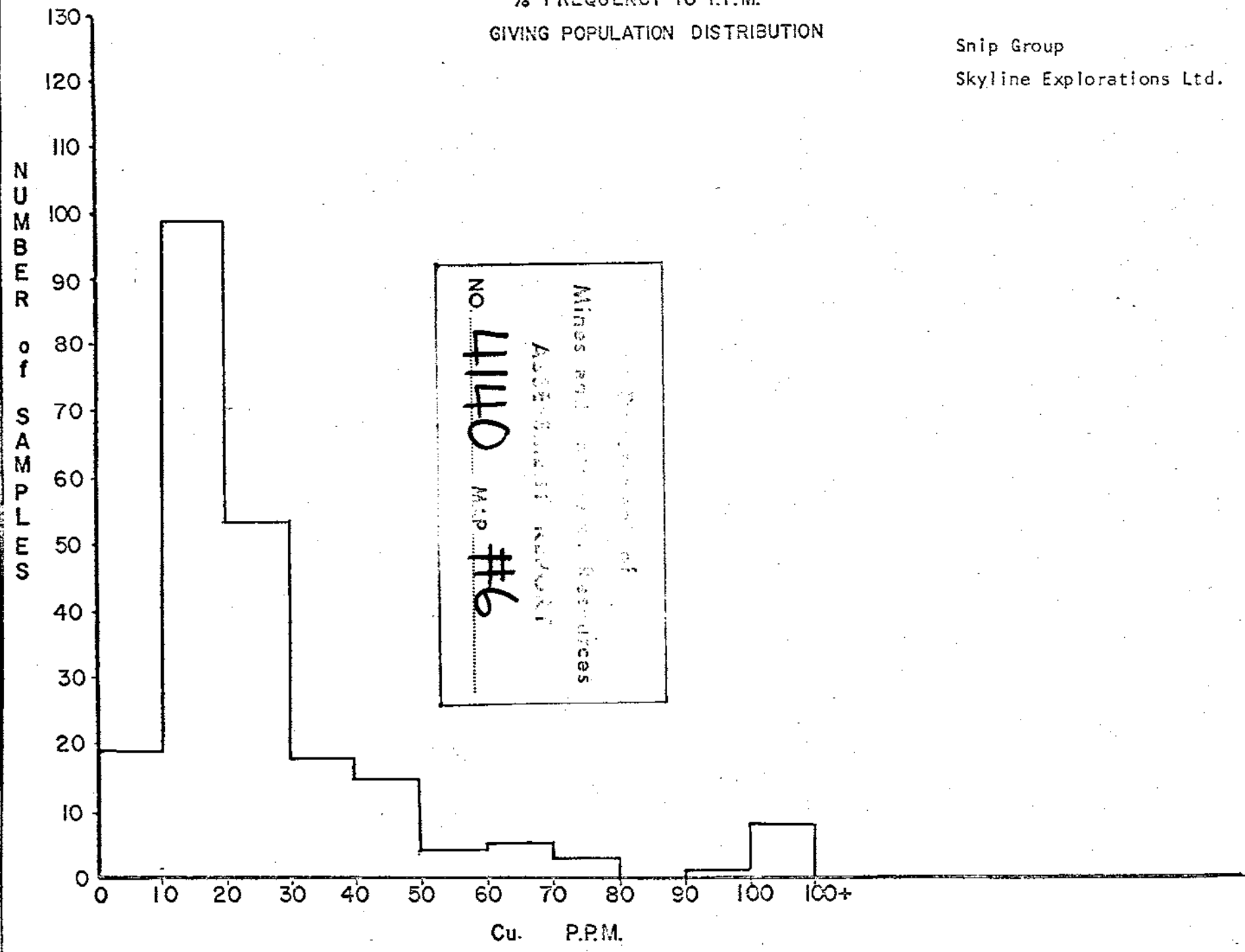
2. Copper

The background copper values are very low in the range of 20 to 40 ppm. The threshold anomalous value is 5 ppm. and anomalous values would be over 75 ppm. copper.

The copper anomalous zones are coincident with the zinc anomalies in the area of the mineralized skarn on line 21 + 00N - station 4 west. There is also a coincident copper value of 270 ppm. on line 4 + 00N station 8 west. There are a number of other erratic copper anomalous values that have not been explained by the geological mapping.

% FREQUENCY TO P.P.M.
GIVING POPULATION DISTRIBUTION

Snip Group
Skyline Explorations Ltd.

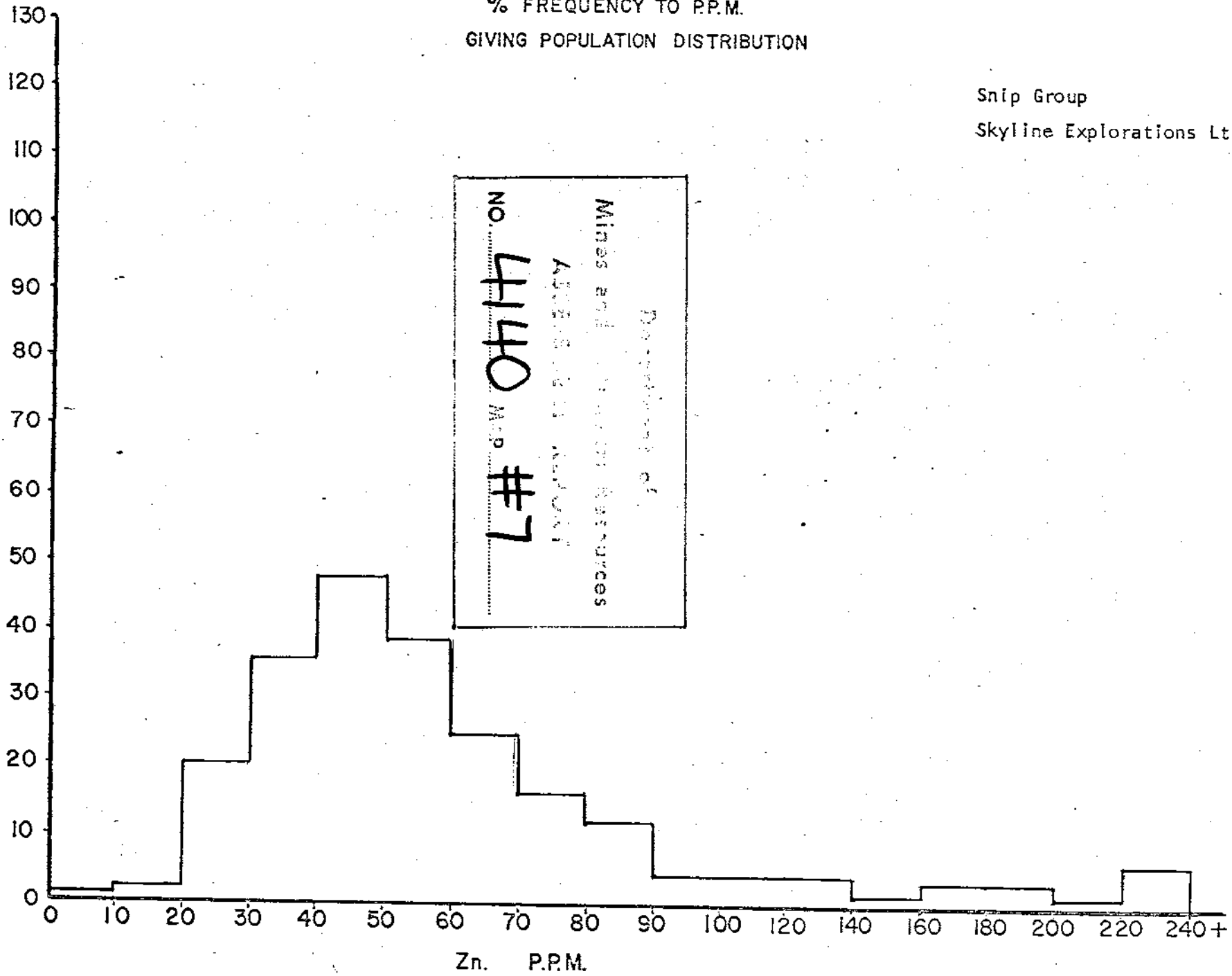


% FREQUENCY TO P.P.M.
GIVING POPULATION DISTRIBUTION

Snip Group
Skyline Explorations Ltd.

NUMBER
of
SAMPLES

Department of
Mines and Technical Resources
ASBESTOS REGION
No. 4140 M.P. #7

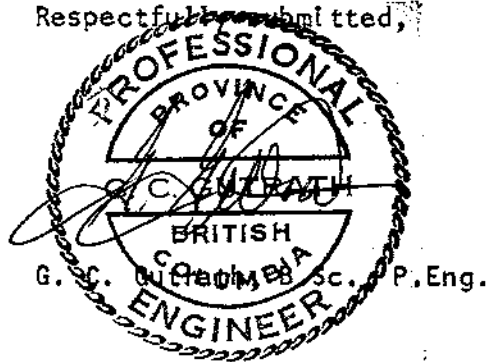


CONCLUSION

The combined weighted trench assay of 0.30% copper and 2.67% zinc is not ore grade material. However, only 50% of the claim area has been examined and the geochemical sampling indicates a number of zinc-copper anomalous areas that have not been thoroughly investigated.

It is concluded the property warrants additional exploration.

Respectfully submitted,



APPENDICES

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 72-16-005 DATE September 7, 1972
Job No. 72-246
SAMPLES SUBMITTED BY G. Cutrath COMPANY Atled Exploration Management Ltd.
SHIPPED VIA picked up FROM Vancouver Office (Snip Project)
REPORT ON 125 samples for Cu & Zn DATE SAMPLES ARRIVED Sept. 5, 1972

* * *

COPIES OF THIS REPORT SENT TO:

- (1) Atled Exploration Management Ltd.
- #420 - 475 Howe Street
- (2) _____
- (3) _____

TRANSMITTED BY:

Mail

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED 0.50 g
FINAL VOLUME 10 ml ALIQUOT USED n/a

* * *

METHOD OF ANALYSIS: Instrumental - Atomic Absorption

EXTRACTION: Hot HClO₄ & HNO₃ digestion

DETECTION: Techtron AA5 & AA1000

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: filed
(b) REJECTS: discarded

* * *

ANALYST(S) B. W. K. M. TYPIST Kia

SUPERVISING CHEMIST C. Chun CHECKED BY C. CHUN

COSTS:

SHIPPING CHARGE	\$ ---
SAMPLE PREPARATION	\$ 25.00
ANALYSIS	\$ 187.50
OTHER	\$ ---
TOTAL	\$ 212.50

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

72-16-005

COMPANY Atled Explorations Ltd.

REPORT No. _____

PAGE 1 OF 4

MARKING	Cu	Zn		
BL 2S	120	95	✓	
4	7	160	✓	
6	28	45	✓	
8	29	30	✓	
10	20	54	✓	
12	19	50	✓	
14	22	67	✓	
16	27	85	✓	
18	22	50	✓	
20	37	140	✓	
22	24	70	✓	
BL 24S	16	76	✓	
OH 2W	8	23		
4	17	48		
6	28	65		
ON 8W	53	59		
OH 2E	17	36		
4	15	51		
6	18	55		
ON 8E	60	59	✓	

MARKING	Cu	Zn		
			✓	
ON 10E	12	39	✓	
12	18	89	✓	
14	20	56	✓	
16	37	64	✓	
18	30	70	✓	
20	10	29	✓	
ON 22E	13	42	✓	
4H 2W	45	29		
4	30	50		
6	75	76		
4H 8W	460	270	✓	
4H 2E	43	60		
4	14	34		
6	70	60		
8	60	84		
10	42	64		
12	21	50		
14	22	51		
4H 16E	17	38	✓	

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

72-16-005

COMPANY Atled Exploration Ltd.

REPORT No. _____

PAGE 2 OF 4

MARKING	Cu	Zn			MARKING	Cu	Zn		
4N 18E	15	51							
4N 20E	20	60			12N 2E	20	35		
8N 2W	35	46			4	23	66		
4	38	62			6	19	46		
6	47	85			8	14	57		
8N 8W	29	40		✓	10	13	25		
8N 2E	21	72			12	52	54		
4	20	76			14	50	60		
6	32	65			16	25	56		
8	12	50			18	17	46		
10	14	44			12N 20E	7	20		✓
12	31	54			16N 2W	23	65		✓
14	19	52			4	13	52		✓
16	33	84			16N 6W	70	48		✓
18	21	70			16N 2E	40	225		✓
20	19	40		✓	4	19	207		✓
8N 22E	20	46		✓	6	19	65		
12N 2W	32	40			8	8	28		
4	168	46			10	9	32		
12N 6W	18	41			16N 12E	18	56		✓

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

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72-16-005

COMPANY Atled Exploration Ltd.

REPORT No. _____

PAGE 3 OF 4

MARKING	Cu	Zn		
16N 14E	22	51		
16	23	62		
18	35	45		
16N 20E	18	140		
36N 2W	24	195		
4	15	62		
6	30	900		
36N 8W	49	80		
36N 2E	25	40		
4	12	52		
6	17	61		
8	21	40		
10	20	61		
12	7	22		
14	14	49		
16	7	26		
18	21	27		
36N 20 E ✓	16	34		
9S 2W	15	118		
9S 4W	42	52		

MARKING	Cu	Zn		
9S 6W	70	75		
8	100	70		
10	16	73		
12	12	47		
14	16	42		
16	15	56		
18	28	59		
20	63	50		
9S 22W	34	59		
9S 2E	39	65		
4	14	33		
6	20	37		
8	23	54		
10	47	93		
12	25	102		
14	17	39		
16	41	59		
18	22	48		
9S 20E	9	31		

REMARKS

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Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

72-16-005

COMPANY Atled Exploration Ltd. REPORT No. _____ PAGE 4 OF 4

MARKING	Cu	Zn		
93 22E	10	26		
24	224	35		
26	20	39		
28	45	23		
30	29	44		
32	25	44		
34	19	61		
93 36E	18	44		

MARKING	Cu	Zn		

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



CHEMEX LABS LTD.

217 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648
AREA CODE: 604

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 21311

TO: Atled Exploration Management Ltd.,
#420 475 Howe St.,
Vancouver, B.C.

INVOICE NO. 7977

RECEIVED Aug. 22, 1972

ATTN: Mr. P. Nielson

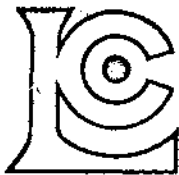
ANALYSED Aug. 25, 1972

SAMPLE NO.:	% Copper	% Zinc
1351 A	0.01	1.80
1352	0.02	3.98
1353	< 0.01	2.45
<i>1354</i>	< 0.01	3.24
<i>1355</i>	< 0.01	4.38
<i>1356</i>	< 0.01	2.22
<i>1357</i>	< 0.01	5.40
<i>1358</i>	< 0.01	4.30
<i>1359</i>	< 0.01	9.36
<i>1360</i>	0.01	3.19
<i>1361A</i>	0.05	3.98



MEMBER
CANADIAN TESTING
ASSOCIATION

P. J. Woodley
REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA
 TELEPHONE: 985-0648
 AREA CODE: 604

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ASSAY

TO: **Atled Exploration Management Ltd.,**
 #420 - 475 Howe,
 Vancouver, B. C.

CERTIFICATE NO. **21402**

INVOICE NO. **8209**

RECEIVED **Sept. 11/72**

ANALYSED **Sept. 18/72**

ATTN: **cc: Skyline Expl.**

SAMPLE NO.:	%	%
	Copper	Zinc
{ 1362A	0.08	0.52
{ 1363	0.09	4.50
{ 1364	1.04	1.18
{ 1365	0.63	0.13
{ 1366	0.06	0.06
# 3 { 1367	0.01	3.18
# 3 { 1368	0.06	0.07
# 4 { 1369	3.20	0.02
# 4 { 1370A	0.06	0.01
Snip Trench #5	1.74	0.16

62.50



CHEMEX LABS LTD.

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CANADA
TELEPHONE: 985-0648
AREA CODE: 604

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CERTIFICATE OF ASSAY

TO: Atled Exploration Management Ltd.,
#420 475 Howe St.,
Vancouver, B.C.

CERTIFICATE NO. 21311

INVOICE NO. 8142

RECEIVED Aug. 22, 1972

ANALYSED Sept. 8, 1972

ATTN: Mr. J. Gutrath

'Skyline Project'

SAMPLE NO.:	% Cadmium	oz./ton Silver	oz./ton Gold
1352 A	0.039	0.32	<0.003
1357	0.049	0.22	<0.003
1359 A	0.091	0.47	<0.003



MEMBER
CANADIAN TESTING
ASSOCIATION

P. Swaites

REGISTERED ASSAYER PROVINCE OF BRITISH COLUMBIA

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 72-16-004 DATE August 25, 1972
Job No. 72-223
SAMPLES SUBMITTED BY Atled COMPANY Atled Explorations Ltd

SHIPPED VIA picked up FROM

REPORT ON 99 samples for Cu, Zn DATE SAMPLES ARRIVED August 22, 1972

* * *

COPIES OF THIS REPORT SENT TO:

- (1) Atled Exploration Limited
- #420-475 Howe Street
- (2) Vancouver, B.C.
- (3) _____

TRANSMITTED BY:

Mail

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED 0.5g

FINAL VOLUME 10 ml ALIQUOT USED n/a

* * *

METHOD OF ANALYSIS: Instrumental Atomic Absorption

EXTRACTION: Hot HClO₄ & HNO₃ digestion

DETECTION: Techtron AA5 & AA1000

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: filed

(b) REJECTS: discarded

* * *

ANALYST(S) W.L. TYPIST dcw

SUPERVISING CHEMIST C. Chun CHECKED BY C. CHUN

COSTS:

SHIPPING CHARGE	\$ ---
SAMPLE PREPARATION	\$ 19.80
ANALYSIS	\$ 148.50
OTHER	\$ ---
TOTAL	\$ 168.30

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Atled Mines Limited REPORT N72-16-004 PAGE 1 OF 3

MARKING	Cu	Zn			MARKING	Cu	Zn		
BL 0-N	35	42			BL40-N	29	66		
2	24	50			2	48	232	✓	
4	150	72			4	16	43		
6	24	56			6	16	30		
8	31	70			BL48-N	24	38	✓	
10	11	22			21N- 2E	31	180	—	
2	16	50			4	18	57		
4	49	78			6	19	38		
6	15	48			8	24	65		
18	185	73			21N-10E	39	104		
20	11	132			2	25	32		
2	29	120			4	9	25		
4	26	90			6	45	203		
6	14	32			18	21	50		
28	16	180			20	20	54		
30	34	84			2	20	72		
2	24	47			4	21	31		
4	19	81			6	24	57		
6	21	52			21N-28E	16	60	✓	
BL38-N	15	27	✓						

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY *Atled Exploration Limited* REPORT *N72-16-004* PAGE 2 OF 3

MARKING	Cu	Zn			MARKING	Cu	Zn		
21N-30E	17	48	✓		32N-2E	10	35	✓	
2	10	40	✓		4	8	33	✓	
21N-34E	20	48	✓		6	20	43	✓	
21N- 2W	15	85	✓		8	15	30	✓	
4	120	345	✓		10	23	42	✓	
21N- 6W	73	76	✓		2	12	32	✓	
25N- 2E	18	72	✓		4	28	46	✓	
4	25	28	✓		6	18	37	✓	
6	15	35	✓		18	15	21		
8	26	43	✓		20	17	32		
10	20	48	✓		32N-22E	15	52	✓	
2	18	35	✓		32N- 2W	20	175	✓	
4	22	50	✓		4	20	58	✓	
6	15	43	✓		6	17	90		
18	15	41	✓		32N- 8W	25	187	✓	
25N-20E	17	68	✓		36N-22E	15	51	✓	
25N- 2W	22	74			40N- 2E	12	50	✓	
4	385	85			4	3	10	✓	
6	68	98			6	13	52	✓	
25N- 8W	35	240	✓		40N- 8E	8	38	✓	✓

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Atled Exploration Limited REPORT No 72-16-00 PAGE 3 OF 3

MARKING	Cu	Zn			MARKING	Cu	Zn		
40N-10E	14	61	✓		48N-22E	12	38	✓	
2	16	45	✓						
6	28	43	✓						
18	10	27	✓						
20	7	23	✓						
40N-22E	16	38	✓						
40N-2W	16	53							
40N-4W	72	93							
6	30	64							
40N-8W	15	81	✓						
48N-2E	16	45							
4	18	52							
6	12	48							
8	25	76							
10	22	72							
2	41	135							
4	12	40							
6	45	182	✓						
18	15	48							
48N-20E	15	37	✓						

REMARKS

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of COSTS INCURRED IN CARRYING OUT THE
EXPLORATION PROGRAM ON THE SNIP-SHAN GROUP FOR SKYLINE
EXPLORATIONS LTD.

I, GORDON C. GUTRATH

of 3636 Lakedale, Burnaby, B. C.

in the Province of British Columbia, do solemnly declare that

(a) PERSONNEL

- | | |
|--|-------------|
| 1. <u>Overall Supervision and geological mapping</u> | |
| G. C. Gutrath, P. Eng., geologist | |
| -12 days @ \$150.00/day | \$ 1,800.00 |
| 2. <u>Field Supervision</u> | |
| Technician | |
| -23 days @ \$60.00/day | 1,380.00 |
| 3. <u>Linecutters and soil samplers</u> | |
| A. Luk - 23 days @ \$35.00/day | 805.00 |
| P. Carlick - 23 days @ \$35.00/day | 805.00 |
| 4. <u>J. P. Henry, Technician</u> | |
| Drafting and data compilation | 220.00 |

(b) FOOD 800.00

(c) TRANSPORTATION
(fixed wing and helicopter) 1,790.55

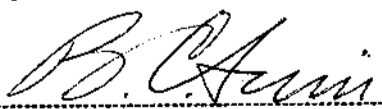
(d) ANALYSIS 541.30

(e) CAMP AND EQUIPMENT 230.00

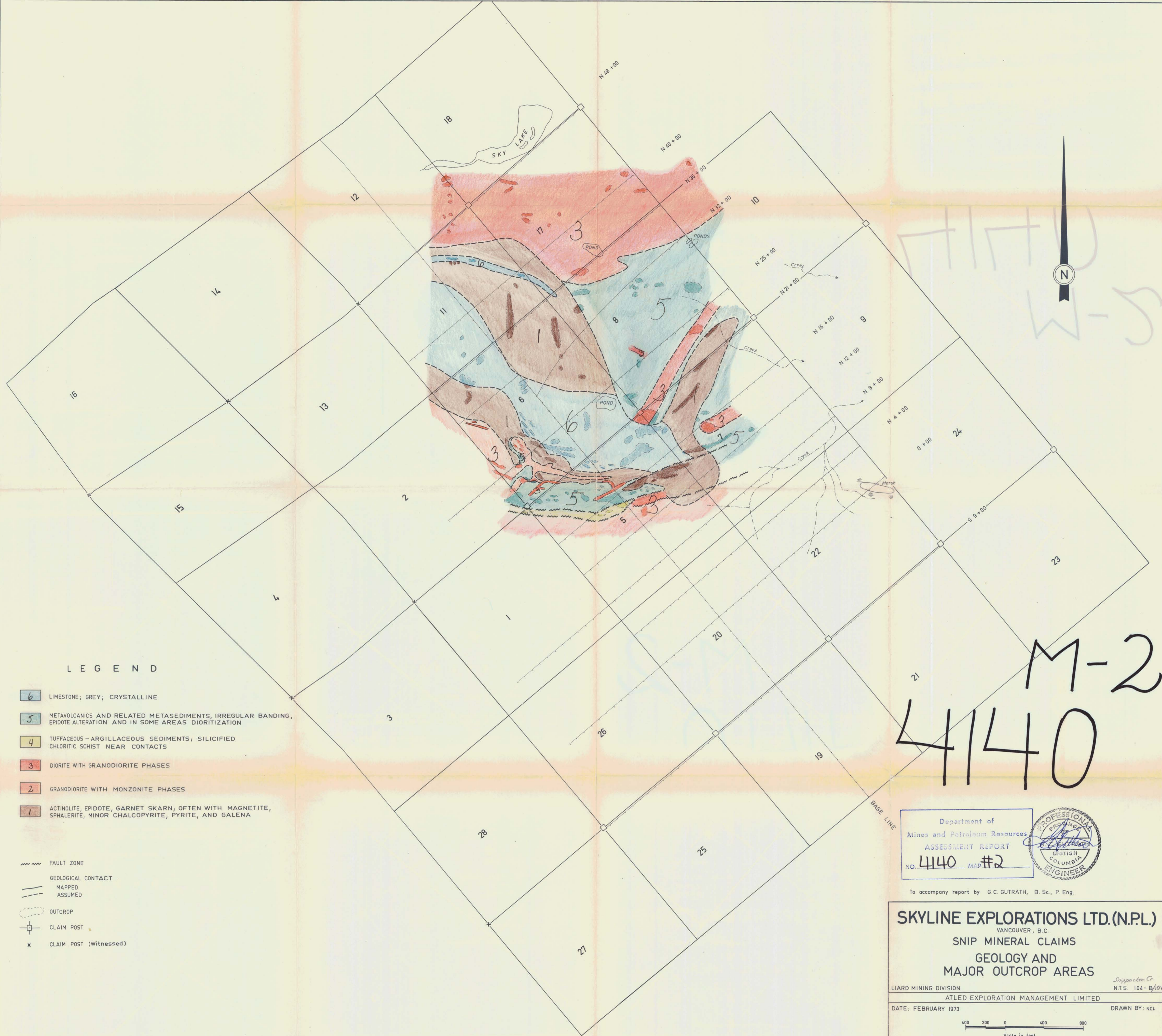
\$ 8,371.85

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the city
of Vancouver, in the
Province of British Columbia, this 22nd
22nd day of January ~~January~~ February, A.D.
1973



A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.



W-5



LEGEND

- Limestone, grey, crystalline
- Metavolcanics and related metasediments, irregular banding, epidote alteration and in some areas dioritization
- Tuffaceous - argillaceous sediments; silicified chloritic schist near contacts
- Diorite with granodiorite phases
- Granodiorite with monzonite phases
- Actinolite, epidote, garnet skarn, often with magnetite, sphalerite, minor chalcopyrite, pyrite, and galena
- Fault zone
- Geological contact mapped
- Geological contact assumed
- Outcrop
- Claim post
- Claim post (witnessed)

M-2
4140

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4140 MAP #2



To accompany report by G.C. GUTRATH, B.Sc., P. Eng.

SKYLINE EXPLORATIONS LTD.(N.P.L.)
VANCOUVER, B.C.
SNIP MINERAL CLAIMS
GEOLOGY AND
MAJOR OUTCROP AREAS

LIARD MINING DIVISION
ATLED EXPLORATION MANAGEMENT LIMITED

DATE: FEBRUARY 1973

Scale in feet: 400 200 0 400 800

ATLED EXPLORES LTD. (N.P.L.)
N.T.S. 104-B/10W
DRAWN BY: NCL



LEGEND

- Limestone, GREY; CRYSTALLINE
- METAVOLCANICS; IRREGULAR BANDING, EPIDOTE ALTERATION AND IN SOME AREAS DIORITIZATION
- TUFFACEOUS - ARGILLACEOUS SEDIMENTS; SILICIFIED CHLORITIC SCHIST NEAR CONTACTS
- GRANDIORITE - MEDIUM GRAINED, GRANITIC TEXTURE
- ACTINOLITE, EPIDOTE, GARNET SKARN, OFTEN WITH MAGNETITE, SPHALERITE, MINOR CHALCOPYRITE, PYRITE, AND GALENA
- MAGNETITE - EPIDOTE LENSES
- BEDDING PLANE
- SHEARING PLANE
- FAULT ZONE
- GEOLOGICAL CONTACT
- MAPPED ASSUMED
- TRENCH
- OUTCROP
- CLAIM POST

Department of
 Geological Resources
 ASSESSMENT REPORT
 4440 MAP #3

PROFESSIONAL
 ENGINEER
 G. C. GUTRATH
 BRITISH
 COLUMBIA

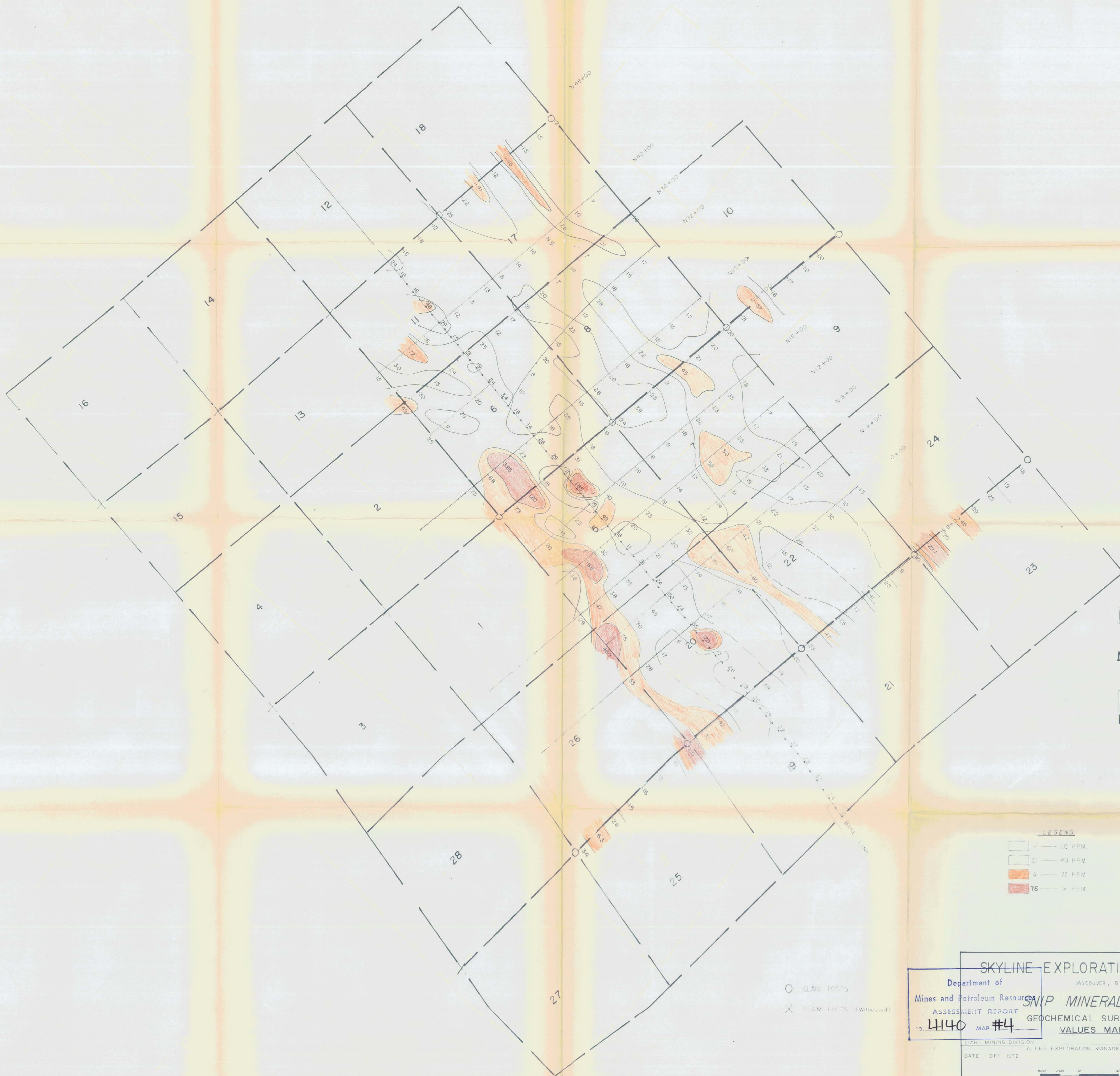
To accompany report by G.C. GUTRATH, B. Sc., P. Eng.

SKYLINE EXPLORATIONS LTD.(N.P.L.)
 VANCOUVER, B.C.
 SNIP MINERAL CLAIMS
 OUTCROP GEOLOGY AND
 TRENCH ASSAYS

LIARD MINING DIVISION
 ATLEED EXPLORATION MANAGEMENT LIMITED

DATE: FEBR. 1973. N.T.S. 104-B
 DRAWN BY: NCL

Scale in feet
 0 20 40 80



LEGEND

White box	< 20 PPM
Light orange box	21 - 40 PPM
Orange box	41 - 75 PPM
Dark orange box	76 - PPM



○ CLAIM POSTS
 X CLAIM POSTS (Witnessed)

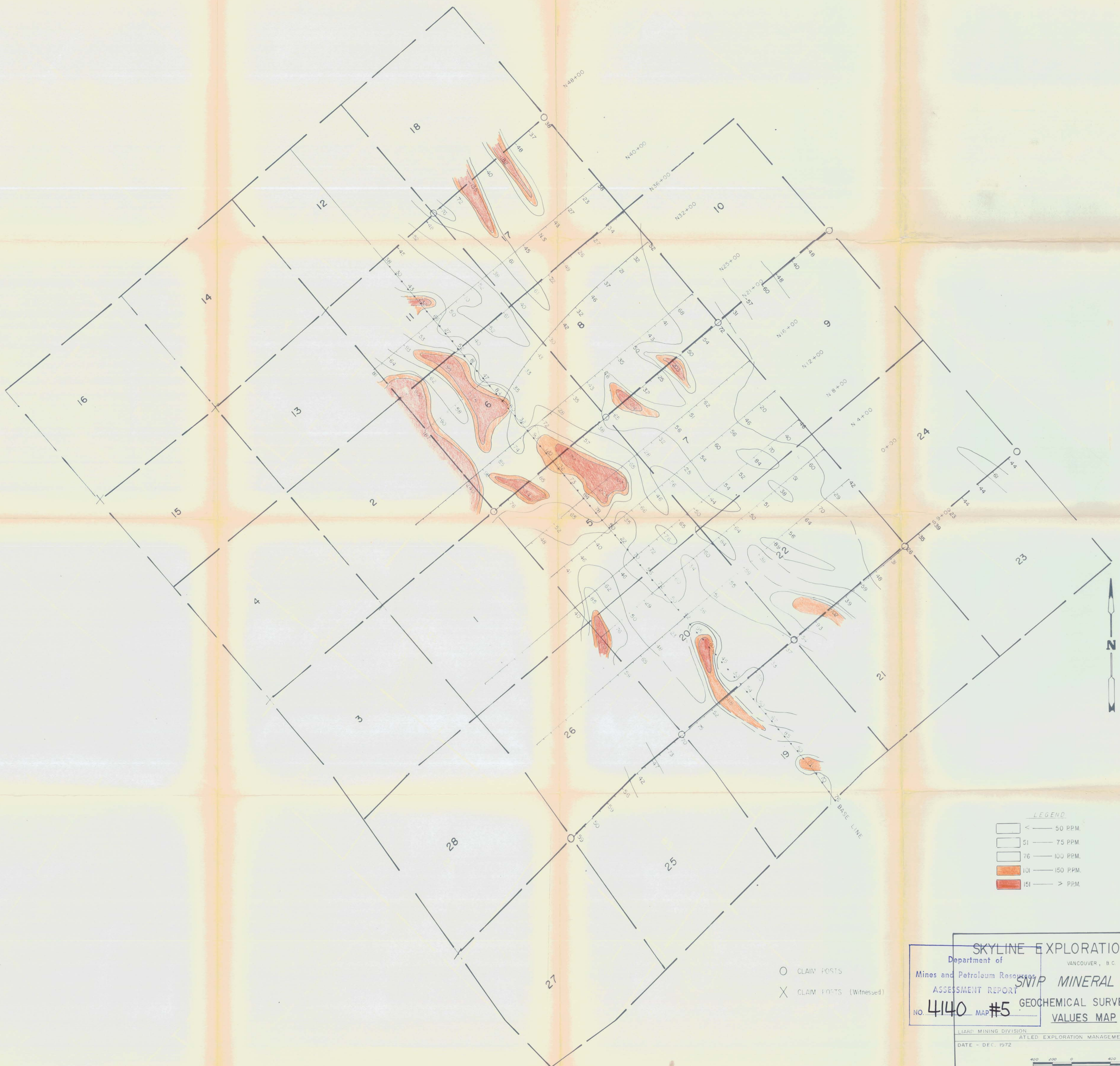
SKYLINE EXPLORATIONS L.T.D.(N.P.L.)
 VANCOUVER, B.C.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 4140 MAP #4

SNIP MINERAL CLAIMS
 GEOCHEMICAL SURVEY - COPPER
 VALUES MAP

MINING DIVISION
 ATLED EXPLORATION MANAGEMENT LIMITED
 DATE - DEC. 1972
 N.T.S. 104-B
 DRAWN BY - j.p.h.

400 200 0 200 400
 SCALE IN FEET



LEGEND

[White box]	< 50 PPM
[Light yellow box]	51 — 75 PPM
[Yellow box]	76 — 100 PPM
[Orange box]	101 — 150 PPM
[Red box]	151 > PPM



- CLAIM POSTS
- × CLAIM POSTS (Witnessed)

SKYLINE EXPLORATIONS LTD.(N.P.L.)
 Department of Mines and Petroleum Resources VANCOUVER, B.C.
 ASSESSMENT REPORT SWIP MINERAL CLAIMS
 NO. 4140 MAP #5 GEOCHEMICAL SURVEY - ZINC VALUES MAP
 LIABILITY DIVISION ATLED EXPLORATION MANAGEMENT LIMITED NTS 104-B
 DATE - DEC. 1972 DRAWN BY - J.P.P.

400 200 0 200 400
 SCALE IN FEET