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This report was examined by the Geol. Dept. of Yukon and is recommended to be considered as representation work in the amount of \$ 2400.00

DB Craig
 Assistant Geologist or
 Recording Mining Engineer

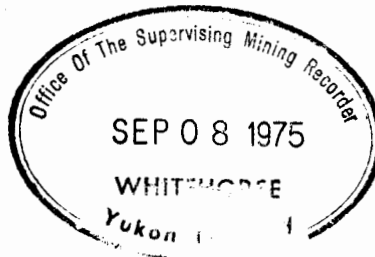
Considered as representation work under Section 59 (4) Yukon Quartz Mining Act.

[Signature]
 D.M. BAXTER
 Supervising Mining Recorder

[Signature]
 Commissioner of Yukon Territory

APPENDICES

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PLATES

Plate 7	Lead Geochemistry	Folder
Plate 8	Zinc Geochemistry	Folder
Plate 9	Silver Geochemistry	Folder



INTRODUCTION & SUMMARY

During the summer months of 1974, Hudson Bay Exploration and Development Company Limited, conducted a reconnaissance geochemical and prospecting program over the Proterzoic formation which is centered 50 miles north of Dawson City, Yukon Territory. A base camp was established on the Dempster Highway near the north end of Chapman Lake and two-man parties worked from fly camps with full time helicopter support.

On investigating anomalous silt sample values, minor galena and sphalerite mineralization was located and 24 KIM claims were staked over the area of interest. In addition to geological studies in the claim area, a geochemical sampling program was carried out on a grid 1000' by 5000' during the period August 11th to 25th, 1974. The expenditure of \$3,251.28 on this program is being applied towards one year's assessment work on each of the 24 KIM claims.

LOCATION & ACCESS

The 24 KIM claims are located in the Dawson Mining Division at 139°05'/64°46'. Dawson City is 50 miles to the south and Chapman Lake on the Dempster Highway is 22 miles to the east of the claim group. The claims are only readily accessible by helicopter.

The KIM claim area is above timber line with elevations ranging from about 4,500 feet to 5,500 feet above sea level.

PERSONNEL

The geochemical survey on the KIM claims which is the subject of this report was carried out by K. J. Taylor and G. R. Collings. Field

supervision was provided by G. E. Bidwell and overall supervision was provided by R. T. McIntosh.

The following details the qualification of these personnel:

R. T. McIntosh

- BSC graduate in geology, University of Manitoba, 1933
- continually employed in all phases of mineral exploration since 1933 in central Canada and the Yukon
- has been the Resident Geologist in charge of exploration programs in the Yukon Territory and adjoining Northwest Territory for Hudson Bay Exploration and Development Company Limited since 1965.

- Home address: 62 Klondike Road

Whitehorse, Yukon Territories

- member of Geological Association of Canada

G. E. Bidwell

- BSC (honours) graduate in geology, University of Saskatchewan, 1967.
- employed by Hudson Bay Exploration and Development Company Limited in central and western Canada since 1967 and senior assistant to Western Exploration Manager, Vancouver since 1971.
- Field Supervisor of 1974 program in Ogilvie Mountain area including program on KIM claims.

- Home address: 1028 Lincoln Avenue,

Port Coquitlam, B.C.

K. J. Taylor

- BSC graduate in geology, University of British Columbia, 1973
- employed by Hudson Bay Exploration and Development Company Limited
as junior geologist since graduation
- Home address: 14408 Ridge Crescent
Surrey, B.C.

G. R. Collings

- Geological student, University of British Columbia
- Home address: 212 - 2025 West 1st Avenue,
Vancouver, B.C.

CLAIM OWNERSHIP

Details concerning the staking, recording and status of the 24 KIM claims is presented in the claim record on page 6 of the report. These claims were transferred (100%) to Hudson Bay Exploration and Development Company Limited, 1695 - 555 Burrard Street, Vancouver, B.C. on August 12th and September 6th, 1974. Notice of Registration of the Transfer Document, 8473-8490, dated March 5, 1975, has been received from the Dawson Recording office.

For assessment purposes the 24 KIM claims have been divided into two groups of 12 claims each. These groups include KIM 1 to 6 and 13 to 18 in one group and KIM 7 to 12 and 19 to 24 in the second group.

GEOCHEMICAL SURVEY

The geochemical sampling was carried out over an area approximately 1000' by 5000' in dimension. A central base line and section lines normal to the base line were established by chain and compass survey. The section lines are at 200 and 400 foot intervals. Sampling was done at 100 foot intervals along the section lines.

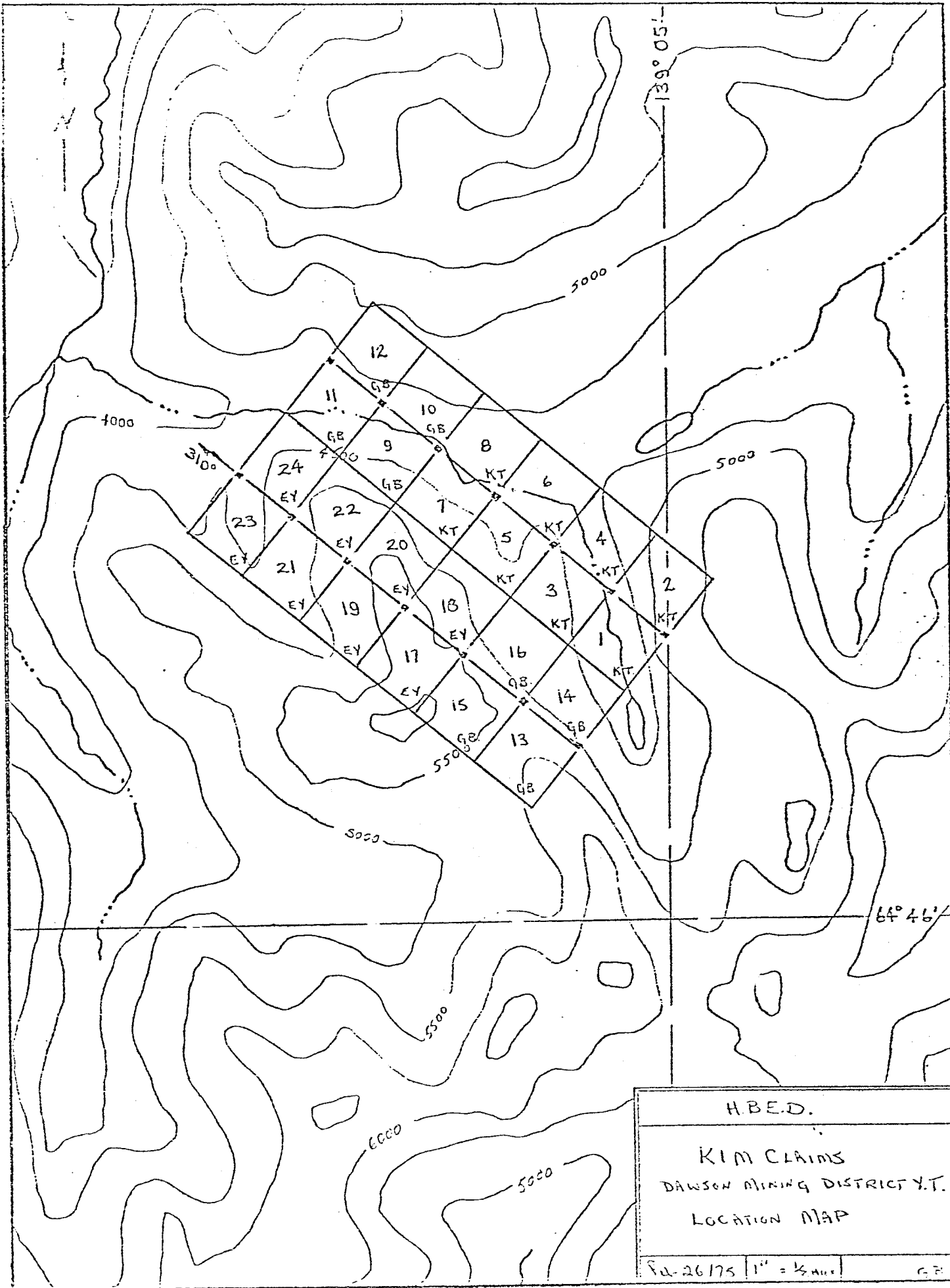
As some of the grid area sampled is covered by talus on a 20 to 30 degree slope, the samples from these areas consisted of fine rock material. Where soil development occurred at the sample sites, soil samples free of humus were collected. A total of 78 samples of rock material were analyzed by Chemex Labs Ltd., Vancouver and 236 soil samples were analyzed by Bondar-Clegg & Company Ltd., Whitehorse, Yukon Territories. The samples were analyzed for lead, zinc, and silver by atomic absorption spectrophotometry. The assays results are presented on plates 7, 8 and 9 which are enclosed in the back folder of this report. A few samples were analyzed for copper but results were negligible.

CONCLUSIONS

Anomalous values in lead and zinc and to a lesser extent silver, occur in a broad, near coincident zone or belt which roughly follows the contour of the slope. Detailed investigation of this anomalous zone will be carried out in 1975.



R. T. McIntosh



H.B.E.D.	
KIM CLAIMS	
DAWSON MINING DISTRICT Y.T.	
LOCATION MAP	
S.W. 26175	1" = 1/2 mile
	G.P.

UNPATENTED MINERAL CLAIMS

LOCATION Ogilvie Mtns, (10014) Dawson M. D.

PROPERTY Kim Claims

NAME	GRANT NUMBER	DATE STAKED	DATE RECORDED	STAKED BY	DATE OF TRANSFER	TRANSFeree	DATE REGISTERED	EXPIRY	ASSESSMENT					
								MONTH	75	76	77	78	79	
Kim - 1	Y89705	July 21/74	Aug.12/74	K.J.Taylor	Aug.12/74	H. B. E. D.	Aug.12/74	August	x					
- 2	Y89706	"	"	"	"	"	"	"	x					
- 3	Y89707	"	"	"	"	"	"	"	x					
- 4	Y89708	"	"	"	"	"	"	"	x					
- 5	Y89709	"	"	"	"	"	"	"	x					
- 6	Y89710	"	"	"	"	"	"	"	x					
- 7	Y89711	"	"	"	"	"	"	"	x					
- 8	Y89712	"	"	"	"	"	"	"	x					
- 9	Y89713	"	"	G.E.Bidwell	"	"	"	"	x					
- 10	Y89714	"	"	"	"	"	"	"	x					
- 11	Y89715	July 23/74	"	"	"	"	"	"	x					
- 12	Y89716	"	"	"	"	"	"	"	x					
- 13	Y89717	"	"	"	"	"	"	"	x					
- 14	Y89718	"	"	"	"	"	"	"	x					
- 15	Y89719	"	"	"	"	"	"	"	x					
- 16	Y89720	"	"	"	"	"	"	"	x					
- 17	Y89721	July 22/74	Aug.9/74	E.W.Yarrow	Sept.6/74	"	Sept. 6/74	"	x					
- 18	Y89722	"	"	"	"	"	"	"	x					
- 19	Y89723	"	"	"	"	"	"	"	x					
- 20	Y89724	"	"	"	"	"	"	"	x					
- 21	Y89725	"	"	"	"	"	"	"	x					
- 22	Y89726	"	"	"	"	"	"	"	x					
- 23	Y89727	"	"	"	"	"	"	"	x					
- 24	Y89728	"	"	"	"	"	"	"	x					

SUMMARY OF EXPENDITURES

1. Wages

K. J. Taylor, 2 weeks @ \$820.00/month	\$ 410.00	
G. R. Collings, 2 weeks @ \$600.00/month	300.00	
Overhead & Fringe benefits @ 20%	<u>142.00</u>	\$ 852.00

2. Camp Costs

30 man days @ \$12.00 per day		\$ 360.00
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3. Assaying

Chemex Labs. Ltd. - 78 samples	\$ 210.60	
- invoice 12896		
Bondar-Clegg - 236 samples	460.68	
Report 44-116, 44-134	<u> </u>	\$ 671.28

4. Helicopter Costs - Transwest Helicopters (1965) Ltd.

Allouette II, August 11th to 25th		
6.0 hrs @ \$200.00/hr	\$1,200.00	
J P-4 fuel 6.0 x 28 x 1.00	<u>168.00</u>	<u>\$1,368.00</u>

Total expenditures - Geochemical Survey		\$3,251.28
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Certified to be correct:


R. T. McIntosh



TRANSWEST HELICOPTERS (1965) LTD.

2792 NORLAND AVENUE, NORTH BURNABY, B.C. V5B 3A6 CANADA PHONE: AREA (604) 291-7578

September 26th, 1974

Hudson Bay Exploration Ltd.,
#1695 - 555 Burrard St.,
Vancouver, B.C.

Invoice # 486

HEREWITH FINAL BILLING RE: Helicopter charter
CHAPMAN LAKE OPERATION
Alouette II -CF-ZLZ
L. Smale Pilot

Total hours contract : August 131.9 (~~to~~ *Sept 3174 - end of contract*)

Min: 90.0 billed Inv #322 Aug 15/74

Bal: 41.9 @ 200.00

.....\$ 8,380.00

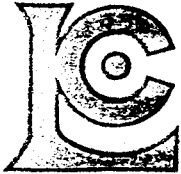
Prices O. K.	<i>[Signature]</i>
Ext. O. K.	<i>[Signature]</i>
Quantity Checked	<i>[Signature]</i>
Charge 3/4 No.	1646-80
Approved	<i>[Signature]</i>

Note: servicing & moving
K.M. claims

Aug. 11	Report 02344	2.0 hrs
19	" 02352	1.5 hrs
25	" 02358	2.5 hrs
		<u>6.0 hrs</u>

With thanks
Flight reports enclosed

Area 9,0 Yukon



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 935-0648

Hudson Bay Exploration & Dev. Co. Ltd.,

1695 - 555 Burrard St.,

Vancouver 1, B. C.

DATE Oct. 28/74

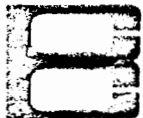
INVOICE NO. 12896

CERTIFICATE NO. 28678 & 28679

ATTN: _____

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
78	Analyzed for Cu, Pb & Zn @ \$2.00	\$156.00 ✓	
78	Prepared (rock) @ \$1.00	78.00 ✓	
	Less 10%	234.00 ✓	
		23.40	
			\$210.60 ✓

TERMS — NET 30 DAYS



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5

PHONE: 237-3110

• Hudson Bay Exploration & Dev.
 1695 - 555 Burrard
 Vancouver, B.C.

INVOICE: No 1523
 DATE: August 27, 1974
 REPORT NO: 44-134
 PROJECT:

272	Analyses for Cu	@ \$.50	\$136.00 ✓
331	Analyses for Pb	@ \$1.00	\$331.00 ✓
331	Analyses for Zn	@ \$.50	\$165.50 ✓
59	Analyses for Ag	@ \$.50	\$ 49.50 ✓
			<hr/>
			\$682.00 ✓
		12% Discount	\$ 81.84 ✓
		NET TOTAL	<hr/> <hr/>
			\$600.16 ✓

Kim claims: 43 samples for Pb, Zn, Ag

*43 x 1.00 = 43.00
 43 x .50 = 21.50
 43 x .50 = 21.50

 86.00
 less 12% = 10.32

 \$ 75.68*



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5

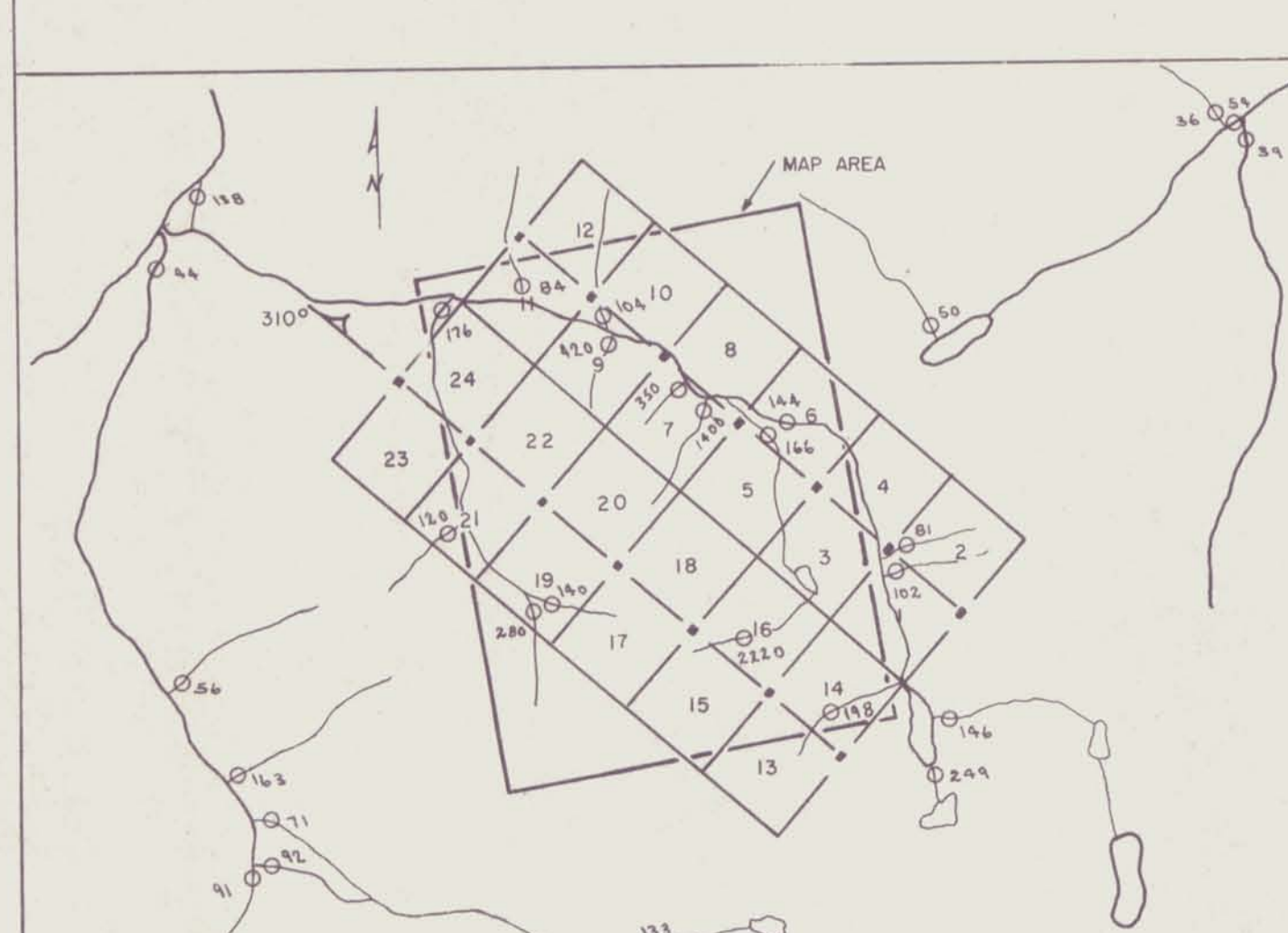
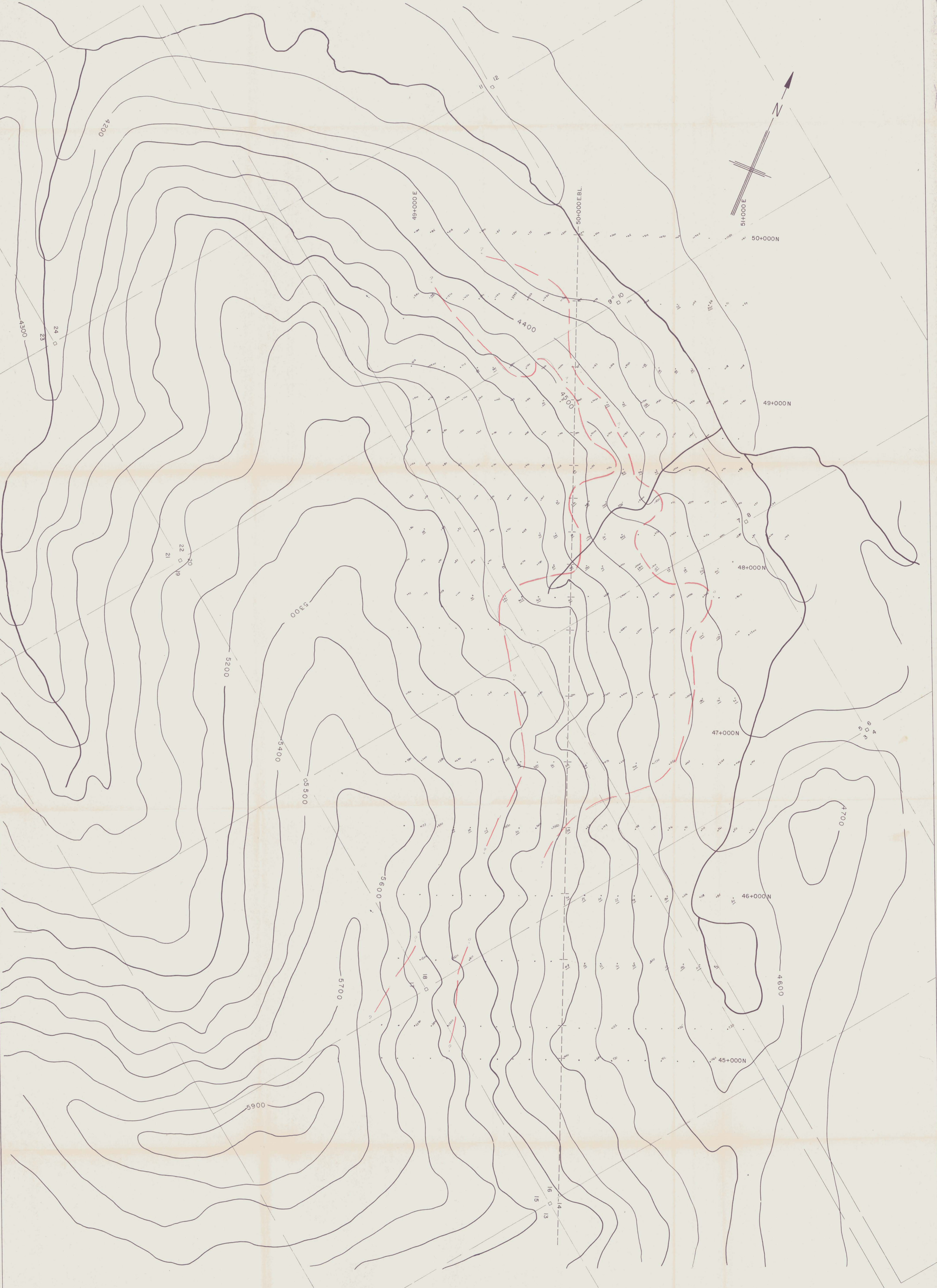
PHONE: 237-3110

Hudson Bay Exploration & Dev. Co. Ltd.
 1695 - 555 Burrard St.
 Vancouver, B.C.

INVOICE: No 1485
 DATE: August 15, 1974
 REPORT NO: 44-116
 PROJECT:

193	Analyses for Pb @ \$1.00	\$193.00 ✓	} Kim Gordon, 4385.00
193	Analyses for Zn @ .50	\$ 96.50 ✓	
191	Analyses for Ag @ .50	\$ 95.50 ✓	
7	Analyses for Cu @ .50	\$ 3.50 ✓	Dem claims
5	Rock Sample Prep. @ 1.00	\$ 5.00 ✓	Dem claims
	TOTAL	\$393.50 ✓	
	Transport Charges	8.00 ✓	
	NET TOTAL	<u>\$401.50 ✓</u>	

Kim Gordon



KIM CLAIM GROUP
 from MAP 116 B/4
 1/2 mile : 1 inch
 ○ silt sample - Pb ppm

- INTRUSIVE DYKES - Diabase
- ▣ DOLOMITE BRECCIA ZONE
- ▢ ARGILLITE, SHALE
- Sulphides - galena, sphalerite
- ↗ Orientation, Bedding
- ↘ Axial? Plane Cleavage
- Pb p.p.m. Silt Sample Location
- Zn p.p.m. Rock Sample Location
- Claim Post

HUDSON BAY EXPLORATION & DEVELOPMENT
 COMPANY LIMITED

DEMPSTER PROJECT-1974

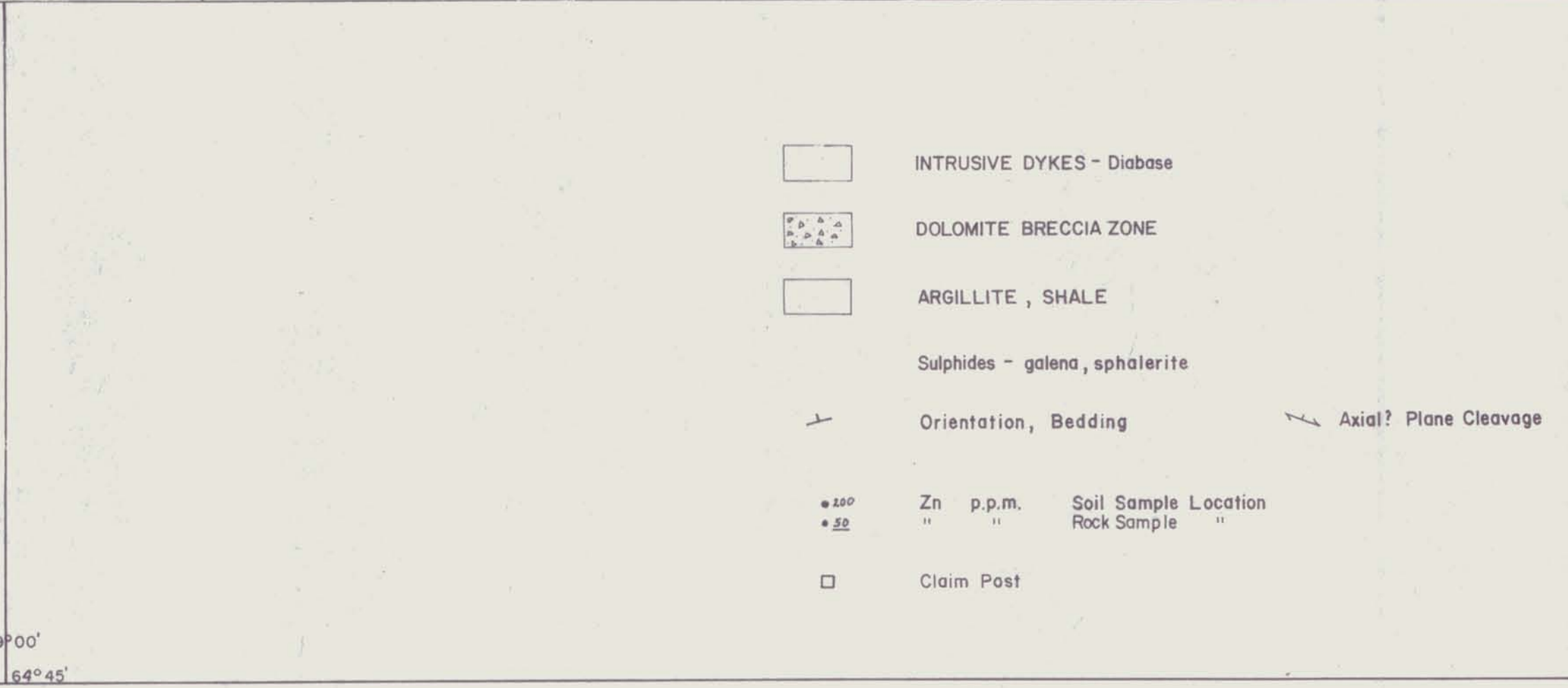
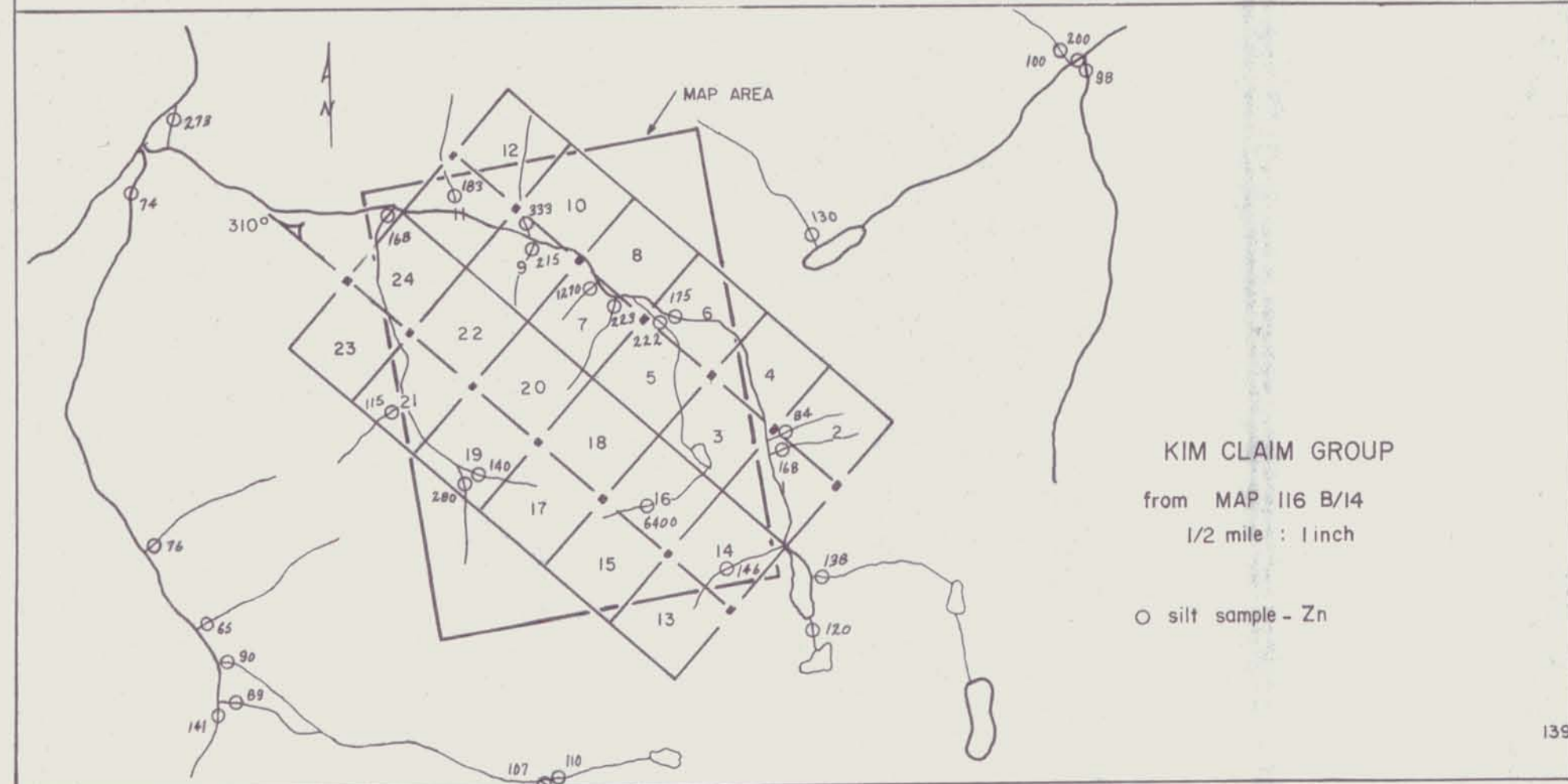
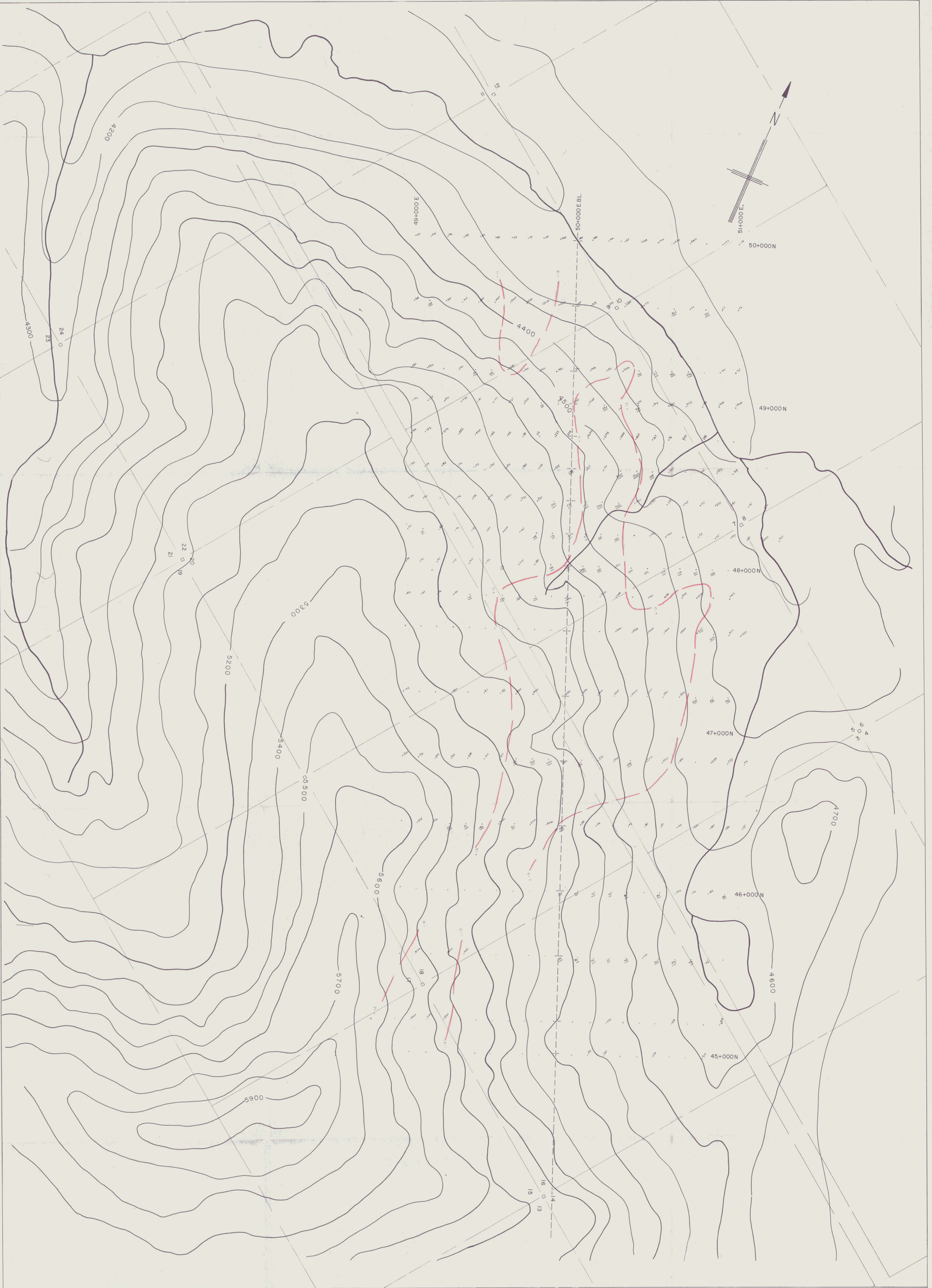
DAWSON MINING DIVISION Y.T.

KIM CLAIMS - LEAD Geochemistry

DATE: Jan. 7, 1975 DRAWN BY: E.Y. G.B. PLATE NO. 7

SCALE: 1" = 200' 0 200'

REVISED BY: DATE:



HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

DEMPSTER PROJECT-1974

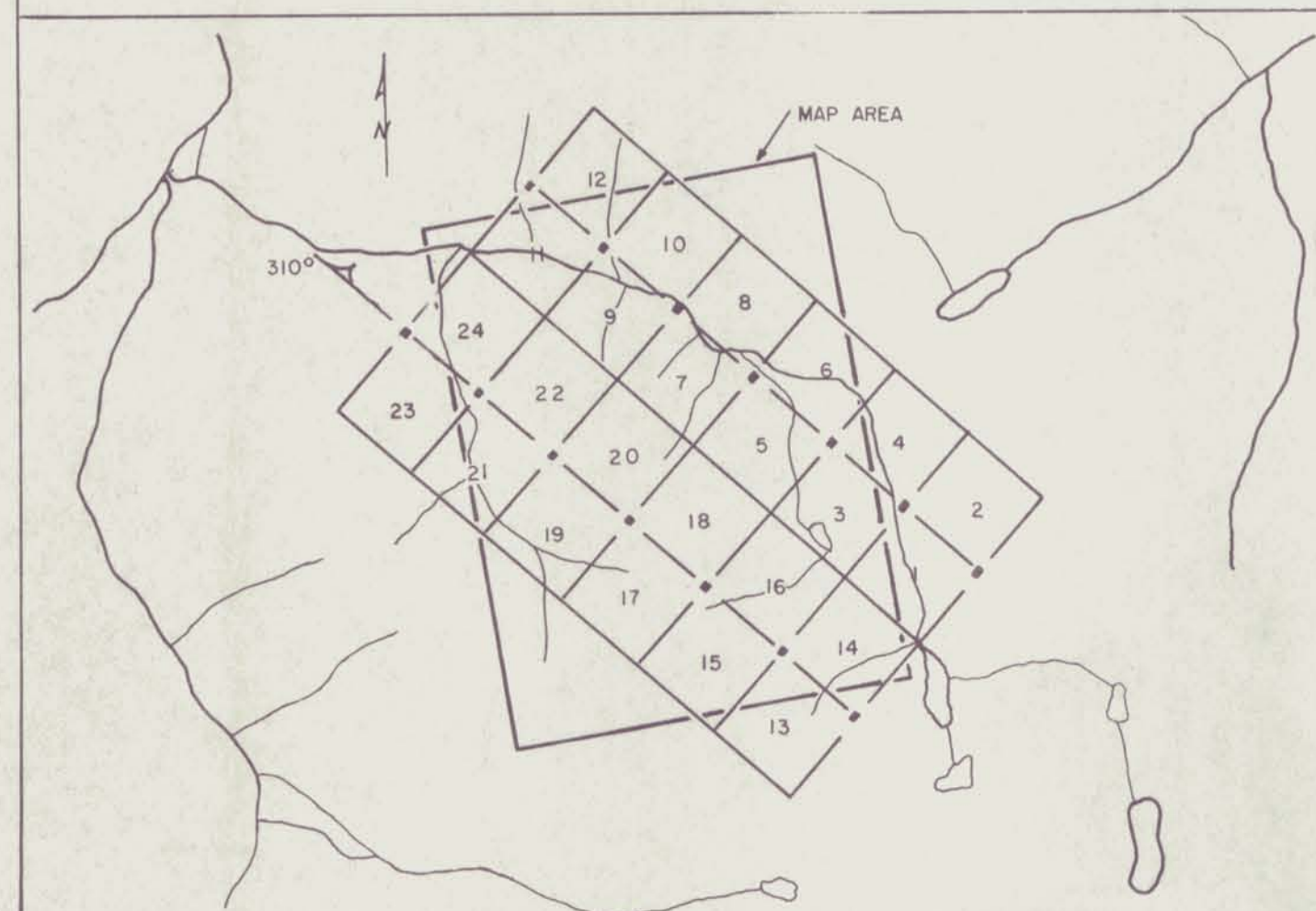
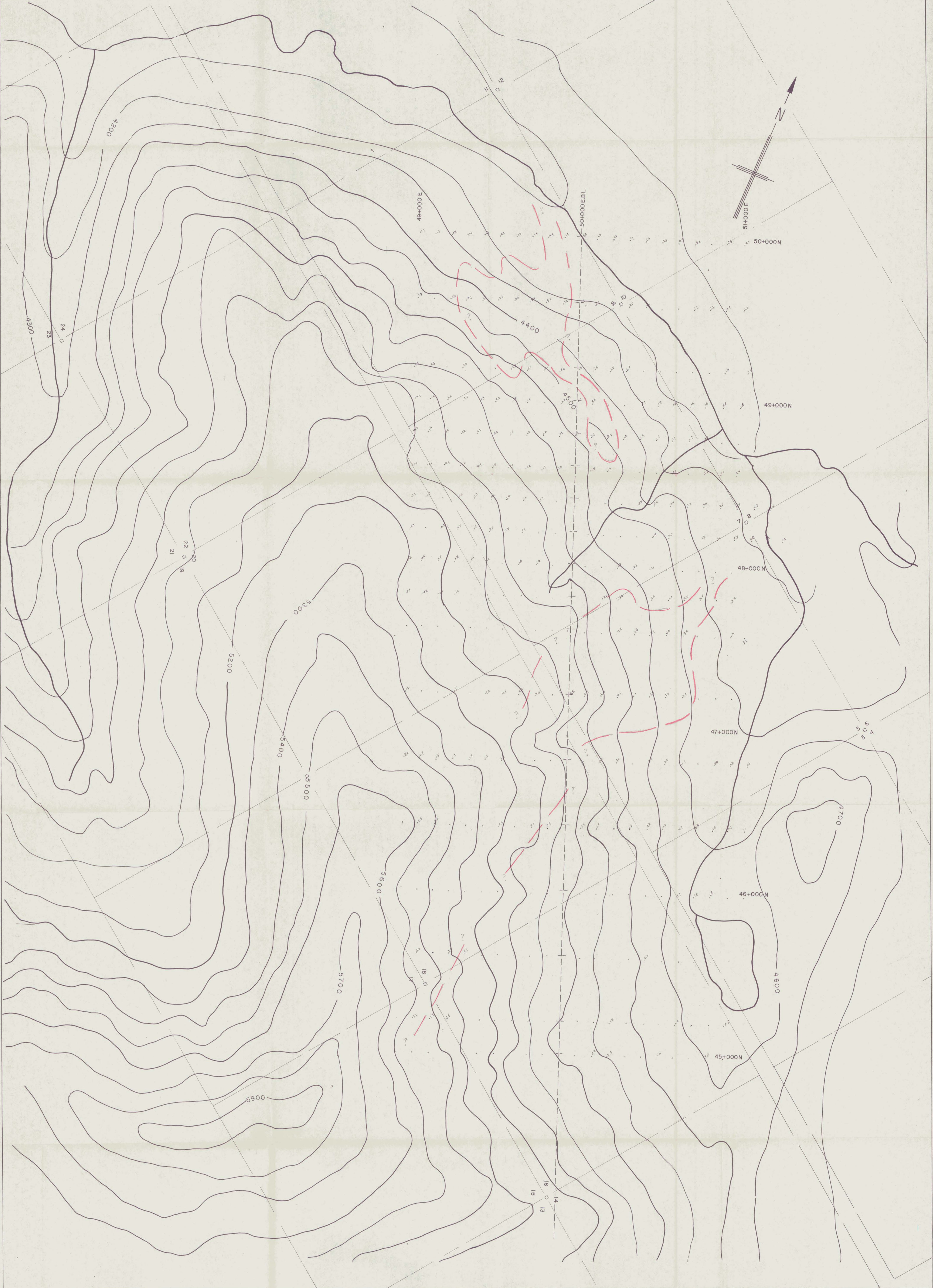
DAWSON MINING DIVISION Y.T.

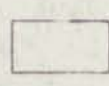

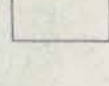





KIM CLAIMS - ZINC Geochemistry

DATE: Jan 6, 1975 DRAWN BY: E.Y.G.B. PLATE NO. 8

SCALE: 1" = 200' 0 200'

REVISED BY: DATE:



-  INTRUSIVE DYKES - Diabase
-  DOLOMITE BRECCIA ZONE
-  ARGILLITE, SHALE
-  Sulphides - galena, sphalerite
-  Orientation, Bedding
-  Ag p.p.m. Soil Sample Location
-  Claim Post
-  Axial? Plane Cleavage

HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

DEMPSTER PROJECT-1974

DAWSON MINING DIVISION Y.T.

KIM CLAIMS - SILVER Geochemistry

DATE Jan. 6, 1975 DRAWN BY E.Y. + G.B. PLATE NO. 9

SCALE 1" = 200' 200' 100' 0 100' 200'

REVISED BY	DATE
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139°00'
64°45'