

5127

HUDSON'S BAY OIL AND GAS COMPANY LIMITED

93G/1W

93G/1W

REPORT
ON
LINE-CUTTING
AND
GEOCHEMICAL SOIL SURVEY
WANDA NO. 1 GROUP
by
M.R. Hegge, P.Eng.
August 21, 1974

CLAIMS: Wanda No's. 1-12, 17, 18, W.D. No's. 21, 23, 25, 28, 30, 32 and
W.H. No's. 1-6 Fr. claims.

LOCATION: Cariboo Mining Division
Eight miles northeast of Quesnel, B.C.
Latitude 53°01'N Longitude 122°20'W

DATES: May 20 to 26, 1974

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5127	MAP.....

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-4 #4	Copper-in-Soil	1"=400'	In pocket
-5 #5	Molybdenum-in-Soil	1"=400'	In pocket
-6 #6	Zinc-in-Soil	1"=400'	In pocket
-7 #7	Lead-in-Soil	1"=400'	In pocket
-8 #8	Silver-in-Soil	1"=400'	In pocket

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of Recording Assessment Work
on the Wanda No. 1 Group (Wanda No.'s 1-12, 17, 18
W.D. No.s 21, 23, 25, 28, 30, 32 and W.H. No.'s 1-6
Fr. claims) Cariboo Mining Division, British
Columbia.

I, M.R. Hegge

of P.O. Box 305, Fort Langley, B.C.

in the Province of British Columbia, do solemnly declare that During the period May 20th to 26th, 1974, that the following assessment work was conducted on the Wanda No. 1 Group:

1) <u>Linecutting</u> -		
	1.14 miles of cut line @ \$150 per mile	\$ 171.00
	14.80 miles of blazed and flagged line @ \$85 per mile	1,258.00
2) <u>Geochemical Soil Sampling</u> -		
	Preparation contoured base map & airphoto mosaic	891.50
	Collection of 366 samples @ \$2.50 per sample	915.00
	Analysis of 366 samples @ \$3.05 per sample	1,119.10
	Interpretation, reporting, supervision, drafting of maps	800.00
	Total	\$5,154.60

or, 25 years of assessable work.

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 23
day of August 1974, A.D.

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

Sub-mining Recorder

STATEMENT OF COSTS INCURRED1 Line-Cutting

Line-cutting was contracted to Kerr, Dawson & Associates Ltd., 9-219 Victoria Street, Kamloops, B.C. Grid layout was planned by the author.

Costs of line-cutting performed on the Wanda, V.D., and W.H. Fraction claims are as follows:

1)	Picket lines 1.14 miles @ \$150 per mile	\$ 171.00
2)	Blazed and flagged lines 14.8 miles at \$85 per mile	<u>1,258.00</u>
	Total	1,429.00

11 Geochemical Soil Survey

Collection of geochemical soil samples was contracted to Kerr, Dawson & Associates Ltd. Survey planning, supervision, and interpretation of results was conducted by the author.

A detailed explanation of the geochemical soil survey expenditures is given under the section titled "Soil Survey Field Work". In summary, the costs are as follows:

1)	Preparation of contoured base map and airphoto mosaic	\$ 891.50
2)	Collection of 366 samples at \$2.50 per sample	915.00
3)	Chemical analysis of 366 samples at \$3.05 per sample	1,119.10
4)	Planning, interpretation, reporting, drafting, and supervision.	<u>800.00</u>
	Total	<u>3,725.60</u>

Grand total of line-cutting and geochemical soil surveys

\$5,154.60

or 25 years of work

111 List of Personnel:

Name	Position	Days on Project	Rate (includes Board and Room)
M.R. Hegge, P.Eng.	Supervisor, Reporter	May 17, 18 June 27,28,29,30	\$100/day
J. Bennett	Draftsman	June 25,26,27,28,29	\$40/day
John R. Kerr, P.Eng.	Field Work Supervisor	May 20,21,22,23,24,25, 26	\$84.73/day
J.M. Dawson, P.Eng.	Geologist	May 20,21,22,23,24,25, 26	\$84.73/day
J.E. Binnie	Field Assistant	May 20,21,22,23,24,25, 26	\$84.73/day
W. MacKay	Field Assistant	May 20,21,22,23,24,25, 26	\$84.73/day

LIST OF CLAIMS AND DISTRIBUTION OF WORKWANDA NO. 1 GROUP

<u>Claim Number</u>	<u>Record Number</u>	<u>Record Date</u>	<u>Years of Work Applied</u>
Wanda No. 1	25301	July 24, 1961	1
2	25302	" 24, "	1
3	25303	" 24, "	1
4	25304	" 24, "	1
5	26573	June 21, 1963	
6	26574	" 21, "	
7	26575	" 21, "	
8	26576	" 21, "	
9	26662	August 5, 1963	1
10	26663	" 5, "	1
11	26664	" 5, "	1
12	26665	" 5, "	1
17	29761	May 17, 1965	1
18	29762	" 17, "	1
W.D. No. 21	33835	March 14, 1966	1
23	33837	" 14, "	1
25	33839	" 14, "	1
28	33842	" 14, "	1
30	33844	" 14, "	1
32	33846	" 14, "	1
W.H. No. 1 Fr.	71488	February 26, 1974	2
2 Fr.	71489	" 26, "	2
3 Fr.	71490	" 26, "	2
4 Fr.	71491	" 26, "	1
5 Fr.	71492	" 26, "	1
6 Fr.	71493	" 26, "	1
Total			25 years

INTRODUCTION:

General Statement

The Wanda No. 1 Group is comprised of the Wanda No's. 1-12, 17, 18, W.D. No's. 21, 23, 25, 28, 30, 32 and W.H. No's. 1-6 Fraction claims. The claims are owned by Mssrs. C. Fuller and S. Pearson of Quesnel, B.C. and are operated under option agreement by Hudson's Bay Oil and Gas Company Limited, North Vancouver, B.C. Copper showings on the property have been known since the 1920's and have been intermittently tested since then. Exploration work in 1974 consisted of line-cutting and a geochemical soil survey. Work was conducted under the general supervision of M.R. Hegge, P.Eng.

Location

The property is centred at Latitude 53°01'N, Longitude 122°20'W, approximately eight miles northeast of Quesnel, and is generally bounded by Mouse Mountain to the west, the Quesnel-Barkerville Highway to the south, and Thirteen Mile Lake to the southeast. (Dwg. 74 MM-1)

Access

Access is via 1.1 miles of the old Barkerville road which turns off to the north approximately 7.6 miles along the Quesnel-Barkerville Highway. The property can be traversed by following numerous old logging roads, most of which are presently accessible only by foot.

Physiography

The claims are situated on the east flank of Mouse Mountain and along a north-south trending ridge system. (Dwg. 74 MM-2) Altitudes range from 2800' to 3300' above sea level.

The area appears to have been glaciated by both continental and valley glaciers, the former being the most prominent as attested by the prominent drumlins and other depositional features on the north part of the property. Outcrop is scarce and limited to ridge tops or deeply-incised creek valleys.

Drainage is moderately good for most of the area with the dominant flow direction being to the south. Open swamps and timbered marshy ground are relatively common in the overburden covered lower reaches at the north and east ends of the property.

122°15'

TO PRINCE GEORGE

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. **5127** MAP **#1**

Cinema

97

Ten Mile L.

Moose Heights

FRASER RIVER

WANDA NO. 1 GROUP

MOUSE MOUNTAIN

Cottonwood

53°00'

Quesnel

Dragon L.



Hudson's Bay Oil and Gas Company Limited

MINERALS EXPLORATION
VANCOUVER BRITISH COLUMBIA



LOCATION MAP
WANDA NO'S 1-12, 17, 18, W.D. NO'S 21, 23,
25, 28, 30, 32, AND W.H. NO'S 1-6 FR. CLAIMS
CARIBOO MINING DIVISION
BRITISH COLUMBIA

97

TO WILLIAMS LAKE

MAP	DATE	BY	SCALE	N.T.S.
74MM-1	JUNE '74	J.S.+B.	1" = 4 mi.	93G/IW

11-10-74

Vegetation consists mostly of old stands of spruce, fir, pine, and birch, a good majority of which has been logged off. Undergrowth is moderately thick in logged areas and consists mostly of willow, alder and, in lower areas, growths of devils club. Thick, immature stands of jackpine commonly occur on the eastern part of the property.

LINECUTTING:

A grid system of cut and blazed lines was established for survey control of geochemical sampling and future exploration surveys. (Dwg. 74 MM-2) This consisted of 6000 feet of picket lines and 78,200 feet of blazed and flagged line. Compass and tape were utilized to establish direction and station intervals on the lines. Pickets marked with station coordinates were placed at 100 foot intervals along cut lines while stations along blazed lines were marked by flagging at similar intervals.

The north-south baseline (0+00W) was centred on a small hill east of Mouse Mountain. Blazed and flagged cross lines were located at 400 foot spacings along the baseline while tie-lines were established along the edges of the grid system to ensure proper location of the crosslines. The grid was also tied in with all prominent claim posts and topographic features to facilitate accurate plotting on a previously prepared 1" = 400' base map with 25 foot topographic contours.

GEOCHEMICAL SOIL SURVEY:

Geochemical Environment

Soils developed in the area are mainly brown forest earths comprised of forest litter, then AH horizons and oxidized, medium brown subsoils derived from bedrock, till and, locally, fluvio-glacial sands and gravel. In places, incipient podzolation is observed in till-derived soils although this is more common in areas of free, down-profile drainage such as soils derived from sands and gravels. Gleying is evident in water logged depressions which fringe lakes, intermittent creeks, and in open swamps or timbered marshy areas. These latter environments are prominent in the low-lying areas underlain by thick accumulations of till in the northeast part of the property.

Soil Survey Field Work

a) Control Survey Lines:

The newly established grid system was used for control of the soil sampling and provided efficient coverage of the area to be sampled, as well as conforming to the claim boundaries. A base map with scale 1"=400' was compiled for plotting the sample results.

b) Soil Sample Collection:

The samples were taken at 200 foot intervals along all grid lines. The location of the sample sites is shown on Dwg 74-MM-3. The top of the "B" (rusty) horizon was sampled where possible but exceptions were made near ridge tops where mostly "C" horizon material was obtained. No sites of gleying or high organic content were sampled.

The samples were collected by digging one or more small holes with a spade or trenching tool; by this means it was possible to observe the location of the "B" horizon. The actual soil sample was then obtained from the top of the "B" horizon with the tip of the spade or a small trowel.

A note was then taken of the grid location, the sample number, the depth to the top of the "B" horizon, and the degree of soil development.

c) Packaging:

The samples were placed in wet-strength 3 1/2 x 6 1/2 Kraft paper envelopes on which the sample numbers had been marked. These were closed with a triangular triple fold. (The envelopes are not anomalous in trace metals.)

d) Sample Preparation:

The samples were dried in the open air for two to three days before shipment to Vancouver Geochemical Laboratories Ltd. in North Vancouver for further sample preparation and analysis. (See Appendix III)

Analysis

The samples were analyzed by atomic absorption methods at Vancouver Geochemical Laboratories under the supervision of E. Agarwal, Chemist, Provincial Assayer. The analytical procedure is given in Appendix III.

Interpretation

Over most of the area, a good sample which was representative of the "B" horizon was obtained. Considering the lack of outcrop (less than five percent) at lower elevations and the degree of soil development, it appears that soil geochemistry is a valid and reliable exploration technique on the property.

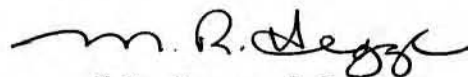
Results for copper, zinc, and lead were analyzed statistically by both normal and cumulative frequency plots to determine metal thresholds. Molybdenum and silver thresholds were estimated by scanning the data and by comparison to other properties. Sample site notes were checked in the case of highly anomalous values which might represent possible organic accumulations of metal.

Mean background values were determined as 25 ppm Cu, 1 ppm Mo, 80 ppm Zn, 15 ppm Pb, and 0.5 ppm Ag. Sample stations that are considered to exhibit background metal values in soil are uncoloured (Dwg. 74 MM-4 to 8). Weakly anomalous metal values were determined to be 65 to 105 ppm for Cu, 3 to 5 ppm for Mo, 130 to 180 ppm for Zn, 25 to 40 ppm for Pb and 1.5 to 2.5 ppm for Ag; sample sites with these values are coloured yellow for ease of identification. Anomalous sample stations are coloured red.

Copper is found to occur as a weakly anomalous zone centred near 4+00N, 10+00W. Scattered single station anomalous values are located near the north end of Twelve Mile Lake where they are coincident with poor exposures of copper mineralized monzonite.

Single station anomalies for zinc are prevalent around the summit of Mouse Mountain (4+00N, 19+00W) and are peripheral to the weakly anomalous copper zone. Similarly, a weakly anomalous zone of Zn values partially surround the copper mineralization near Twelve Mile Lake. Further geophysical and geological investigation appear to be warranted in the two geochemically-indicated areas.

No definite zones of anomalous molybdenum, lead, or silver resulted from the survey.



M.R. Hegge, P.Eng.
Project Geologist

North Vancouver, B.C.
August 21, 1974.

MRH:kd1

APPENDIX II

**JOHN R. KERR, P.ENG.
GEOLOGICAL ENGINEER**

9-219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

WRITER'S CERTIFICATE

I, JOHN R. KERR, OF KAMLOOPS, B. C. HEREBY CERTIFY THAT:

- (1). I am a member of the Association of Professional Engineers of the Province of British Columbia, and a Fellow of the Geological Association of Canada.
- (2). I am employed by Kerr, Dawson and Associates Ltd., with my office at #9 - 219 Victoria Street, Kamloops, B. C.
- (3). I have practised as a geologist for 10 years since graduation from the University of British Columbia in 1964 with a B. A. Sc. in Geological Engineering.
- (4). I have no direct or indirect interest or holdings of securities of Hudson's Bay Oil and Gas Co. Ltd., or in the Mouse Mtn. claims described in this report.
- (5). The line cutting, grid establishment and soil sampling was completed May 20th. to May 26th., 1974, and was supervised directly by myself.
- (6). Employees engaged in work on this project were J. M. Dawson, P. Eng., J. E. Binnie, Sr. Field Assistant, W. MacKay, Field Assistant and myself.



John R. Kerr
John R. Kerr, P. Eng.,
GEOLOGIST

Kamloops, B. C.,
June, 1974.

APPENDIX 1

KERR, DAWSON & ASSOCIATES LTD.

9 - 219 Victoria Street
Kamloops, B.C.

INVOICE # 119

INVOICE TO: Hudson's Bay Oil and Gas Co., Ltd.
171 Pemberton Ave
North Vancouver, B.C.

PROJ. # 100
DATE: May 27, 1974

FOR: Line Cutting and Grid Sampling
House Mtn. Property, Cariboo M.D.

1) BASE LINE (2+00N to 28+00S) - Power Saw
6000 ft. = 1.14 miles at 150.00/mi \$ 171.00

2) GRID LINES

116S, 12S, 8S, 4S, 0, 4N, 8N, 12N, 16N & 20N

10 lines at 5000 ft. each 50,000 ft.

L 24N, 28N, & 32N

3 lines at 4000 ft. each 12,000 ft.

L20S, 24S, & 28S

3 lines at 1800 Ft. each 5400 ft.

Tie line 10+00E 1,200 ft.

Tie lines 20E and 30E (4800' each) 9,600 ft.

Total 78,200 ft.

78,200 ft. = 14.8 miles at 85.00/mi. \$ 1258.00

3) SOIL SAMPLING

366 samples at 2.50/sample \$ 915.00

TOTAL HEREIN \$ 2344.50

Approved for payment,

May 30/74: M.R. Stagg
Charge 4035 - House Mtn.

E. & O.E.



VANGEOCHEM LAB LTD.

✓ 604-988-2172

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA

IN ACCOUNT WITH:

Hudson's Bay Oil & Gas Co. Ltd.
171 Pemberton Avenue,
North Vancouver, B.C.

INVOICE: 2875

DATE: May 31, 1974

TERMS: NET 21 DAYS
1½% interest per month on
overdue accounts

FOR REPORT 74-46-005
Job # 44-053

PROJECT:

ORDER NO.

366 geochem soil samples for preparation @ \$ 0.25	\$ 91.50
366 geochem analyses for Mo,Cu,Pb,Zn,Ag @ \$ 2.80	<u>\$1027.60</u>
Total	\$1119.10

PACIFIC SURVEY CORPORATION

INVOICE

Formerly

LOCKWOOD SURVEY CORPORATION LTD.

1409 WEST PENDER STREET VANCOUVER, B. C., CANADA V6P 2S4 TELEPHONE 683-6501

Hudson's Bay Oil & Gas Ltd.,
171 Pemberton Avenue,
North Vancouver, B.C.

INVOICE No. 8605
DATE 22nd May 1974
YOUR ORDER No.
JOB No. 74-73
PACKING SLIP No.
SHIPPED VIA

Attention: Mr. M.R. Hegge

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL								
	To Completion -										
	1) 1-inch equals 400 feet pencil manuscript mapping with a 25 foot contour interval of your area as outlined on the 1:50,000 map supplied, Mouse Mountain, B.C., delivered on P.S. 7708										
	Lump sum -	-	\$650.00								
	2) Featherpedge mosaic at an approximate scale of 1-inch equals 400 feet of the above area, delivered on P.S. 7709.										
	Lump sum -	\$230.00									
	5% Provincial Sales Tax	<u>11.50</u>									
	HBOG MINING LIMITED		<u>\$241.50</u>								
	<table border="1" data-bbox="277 1238 888 1536"> <tr> <td colspan="2">WESTERN DIVISION</td> </tr> <tr> <td>CHARGE TO:</td> <td>m 276-7076-9035-580 300.</td> </tr> <tr> <td>VERIFIED BY:</td> <td><i>[Signature]</i></td> </tr> <tr> <td>FISCAL APPROVAL:</td> <td><i>[Signature]</i></td> </tr> </table>	WESTERN DIVISION		CHARGE TO:	m 276-7076-9035-580 300.	VERIFIED BY:	<i>[Signature]</i>	FISCAL APPROVAL:	<i>[Signature]</i>		<u>\$891.50</u>
WESTERN DIVISION											
CHARGE TO:	m 276-7076-9035-580 300.										
VERIFIED BY:	<i>[Signature]</i>										
FISCAL APPROVAL:	<i>[Signature]</i>										
TERMS: NET CASH. INTEREST CHARGED ON OVERDUE ACCOUNTS											

APPENDIX III



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-988-2172

September 11, 1973

TO: Hudson's Bay Oil and Gas Co. Ltd.
171 Pemberton Avenue
North Vancouver, B. C.

FROM: Mrs. Ena Agarwal, Chemist
Vangeochem Lab Ltd.
1521 Pemberton Avenue
North Vancouver, B. C.

SUBJECT: Analytical procedure used to determine acid soluble copper, lead, zinc and silver in geochemical samples.

1. Method of Sample Preparation

- (a) Geochemical rock, soil, or silt samples were received in the laboratory in 8" x 13" plastic sample bags, or in 4½" x 9" cotton mailing bags, or in wet-strength 3½ x 6½ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to minus 80-mesh. The pulverized sample was then put in a new bag for later analysis.

continued

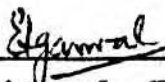
2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Copper, lead, zinc and silver analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamp. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mrs. Ena Agarwal or Mr. Laurie Nicol and their laboratory staff.



Ena Agarwal, Chemist, Provincial
Assayer

VANGEOCHEM LAB LTD.

EA:mb



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-988-2172

September 11, 1973

TO: Hudson's Bay Oil and Gas Co. Ltd.
171 Pemberton Avenue
North Vancouver, B. C.

FROM: Mrs. Ena Agarwal, Chemist
Vangeochem Lab Ltd.
1521 Pemberton Avenue
North Vancouver, B. C.

SUBJECT: Analytical procedure used to determine acid soluble molybdenum in geochemical samples.

1. Method of Sample Preparation

- (a) Geochemical rock, soil, or silt samples were received in the laboratory in 8" x 13" plastic sample bags, or in 4½" x 9" cotton mailing bags, or in wet-strength 3½ x 6½ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was discarded and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to minus 80-mesh. The pulverized sample was then put in a new bag for later analysis.

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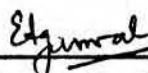
2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Molybdenum analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA5 with an Mo hollow cathode lamp. The digested samples were aspirated directly into a nitrous oxide and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

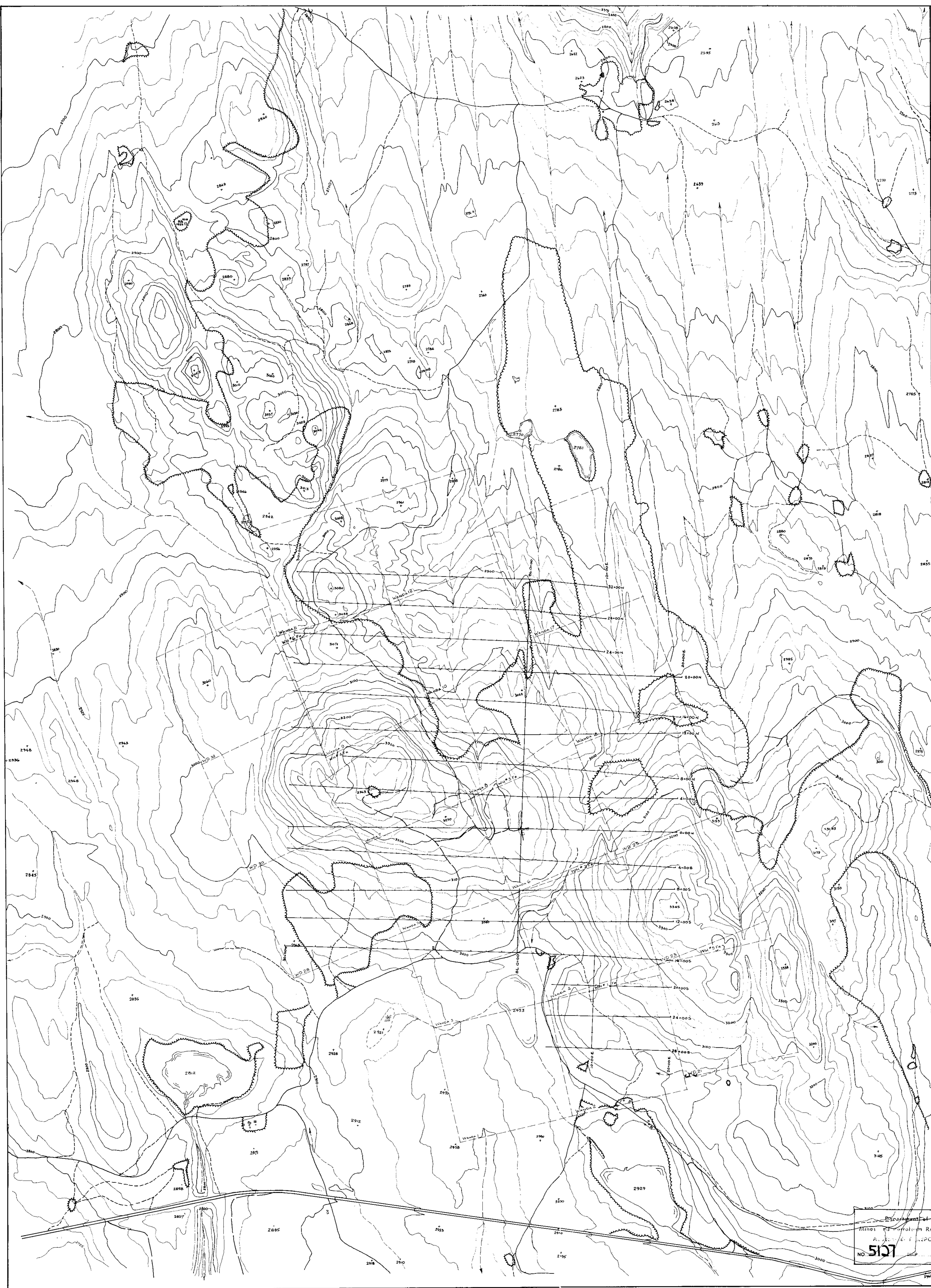
4. The analyses were supervised or determined by Mrs. Ena Agarwal or Mr. Laurie Nicol and their laboratory staff.



Ena Agarwal, Chemist, Provincial
Assayer

VANGEOCHEM LAB LTD.

EA:mb

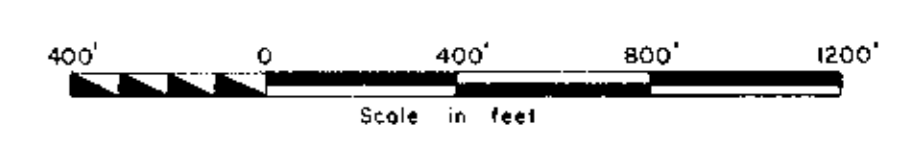


- LEGEND**
- OPEN AREAS LOGGED
 - STREAMS
 - ROADS, TRAILS, PATHS
 - BUILDINGS
 - HEIGHT OF LAND
 - LAKE

To accompany "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" by M.R. Hegge, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUENNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

M.R. Hegge

**5127
M2**



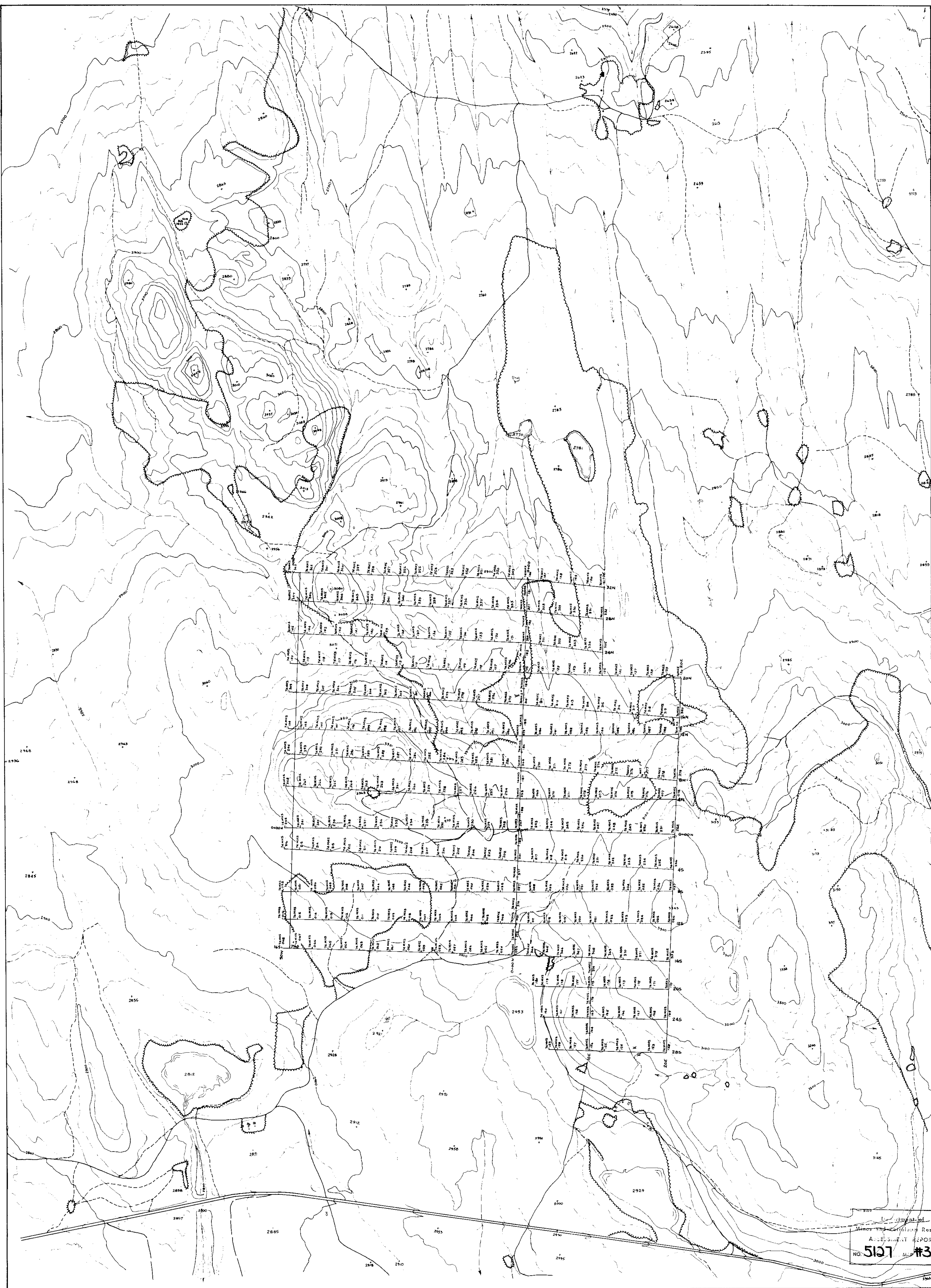
Hudson's Bay Oil and Gas Company Limited
 MINERALS EXPLORATION
 VANCOUVER BRITISH COLUMBIA

WANDA NO. 1 GROUP
CLAIM MAP
 LOCATION OF GRID SYSTEM

MOUSE MOUNTAIN AREA
 CARIBOO MINING DIVISION
 BRITISH COLUMBIA

MAP NO. **5127**

MAP	DATE	BY	SCALE	K.T.S.
74 MM-2	JULY, 1974	J.S.B.	1" = 400'	956/1W



- LEGEND**
- OPEN AREAS LOGGED
 - STREAMS
 - ROADS, TRAILS, PATHS
 - BUILDINGS
 - HEIGHT OF LAND
 - LAKE

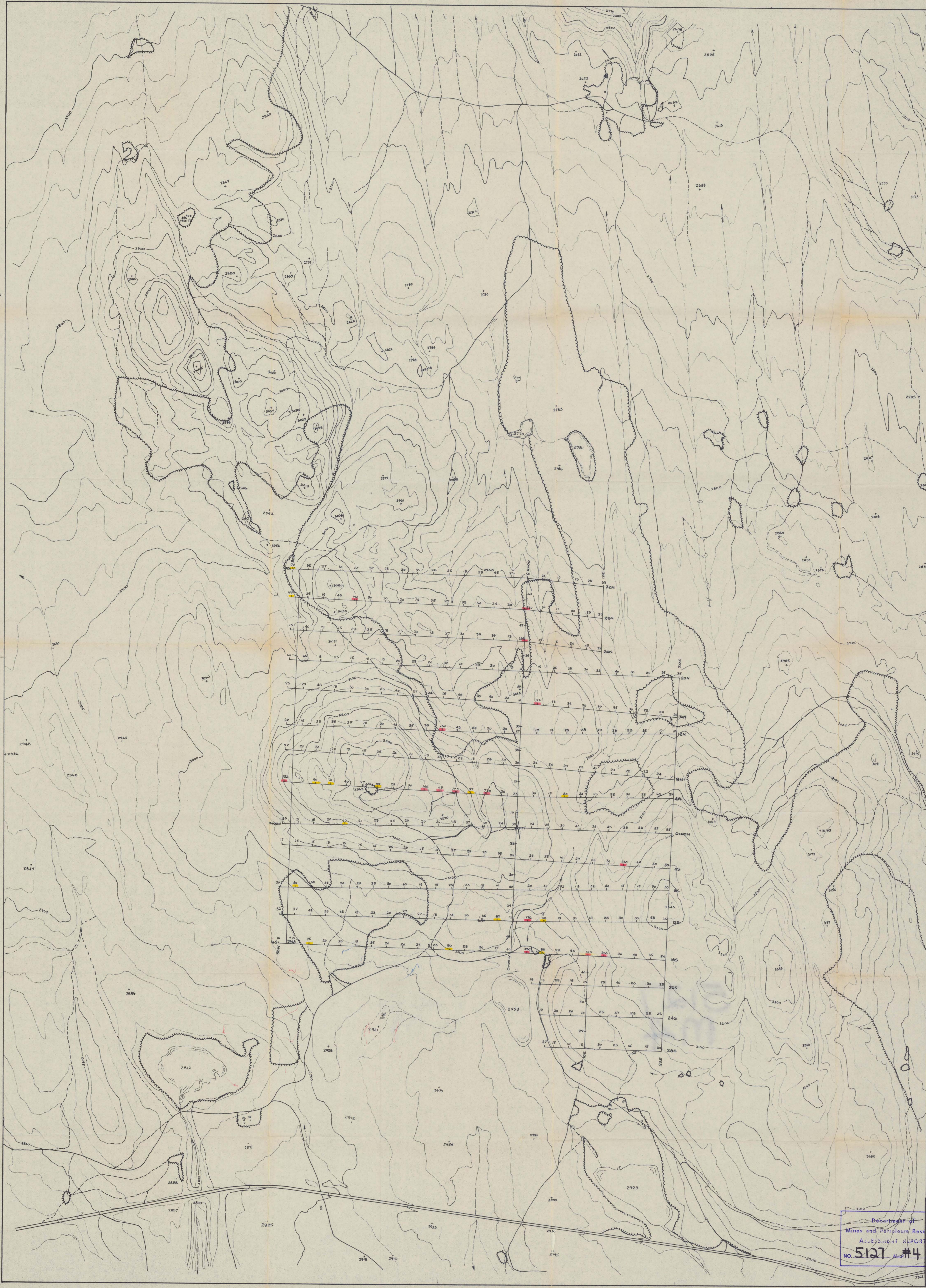
TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY MR. HEGGE, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUESNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

M. R. Hegge

**5127
M3**

Scale in feet

Hudson's Bay Oil and Gas Company Limited	
MINERALS EXPLORATION - BRITISH COLUMBIA	
VANCOUVER	
WANDA NO. 1 GROUP	
GEOCHEMICAL SOIL SURVEY	
SAMPLE SITES	
MOUSE MOUNTAIN AREA	
CARIBOO MINING DIVISION	
BRITISH COLUMBIA	
MAP NO. 74MM-3	DATE: JULY, 1974
BY: J.S.B.	SCALE: 1" = 400'
NTS: 95G/W	



N
APPROX.

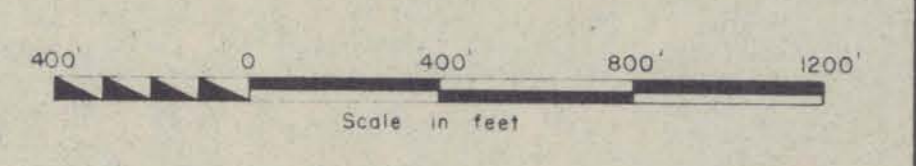
LEGEND

- OPEN AND/OR LOGGED
- STREAMS
- ROADS, TRAILS, PATHS
- BUILDINGS
- HEIGHT OF LAND
- LAKE

TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY M.R. HEGGE, P. ENG., ON THE WANDA NO. 1 GROUP, 8 MILES NORTHEAST OF QUESNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

5127
M4

■ ≥ 105 ppm Cu (MODERATELY ANOMALOUS)
■ ≥ 65 ppm Cu (WEAKLY ANOMALOUS)

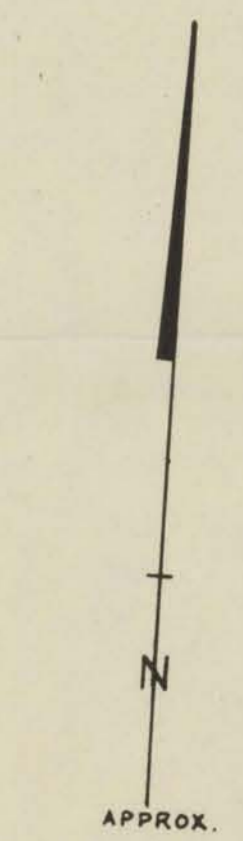


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5127 Map #4

Hudson's Bay Oil and Gas Company Limited
 MINERALS EXPLORATION
 VANCOUVER BRITISH COLUMBIA

WANDA NO. 1 GROUP
 GEOCHEMICAL SOIL SURVEY
COPPER - IN - SOIL
 (VALUES IN PPM)
 MOUSE MOUNTAIN AREA
 CARIBOO MINING DIVISION
 BRITISH COLUMBIA

MAP 74MM-4 DATE JULY, 1974 BY J.S.B. SCALE 1" = 400' N.T.S. 936/1W



LEGEND

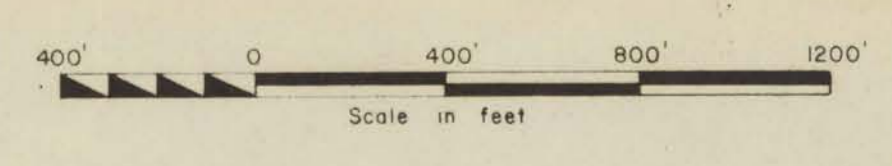
- OPEN AND/OR LOGGED
- STREAMS
- ROADS, TRAILS, PATHS
- BUILDINGS
- HEIGHT OF LAND
- LAKE

TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY M.R. HEGGE, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUESNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

M.R. Hegge

**5127
m5**

- > 5 ppm Mo (MODERATELY ANOMALOUS)
- > 3 ppm Mo (WEAKLY ANOMALOUS)

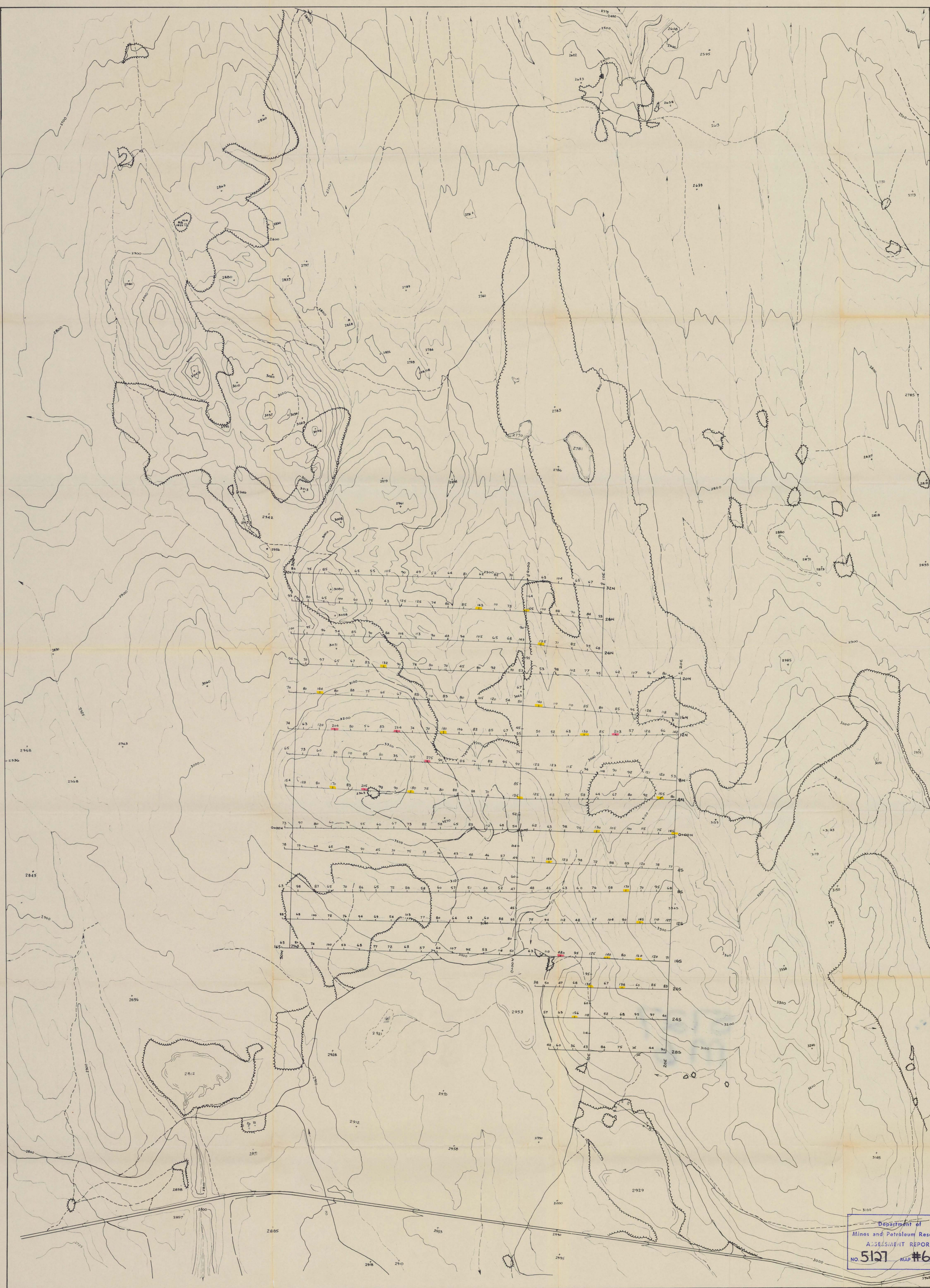


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5127 MAP #5

Hudson's Bay Oil and Gas Company Limited
MINERALS EXPLORATION
VANCOUVER BRITISH COLUMBIA

WANDA NO. 1 GROUP
GEOCHEMICAL SOIL SURVEY
MOLYBDENUM-IN-SOIL
(Values in ppm)
MOUSE MOUNTAIN AREA
CARIBOO MINING DIVISION
BRITISH COLUMBIA

MAP	DATE	BY	SCALE	NTS.
74 MM-5	JULY, 1974	J.S.B.	1" = 400'	936/1W



N
APPROX.

LEGEND

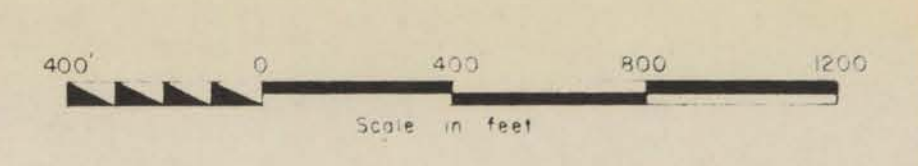
- OPEN AND/OR LOGGED
- STREAMS
- ROADS, TRAILS, PATHS
- BUILDINGS
- HEIGHT OF LAND
- LAKE

TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY MR. HEAGE, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUEENSLAND, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974

M. Heage

5127
M6

≥ 180 ppm Zn (MODERATELY ANOMALOUS)
 ≥ 130 ppm Zn (WEAKLY ANOMALOUS)



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5127 MAP #6

Hudson's Bay Oil and Gas Company Limited
 MINERALS EXPLORATION
 VANCOUVER BRITISH COLUMBIA

WANDA NO. 1 GROUP
 GEOCHEMICAL SOIL SURVEY
 ZINC - IN - SOIL
 (Values in ppm)
 MOUSE MOUNTAIN AREA
 CARIBOO MINING DIVISION
 BRITISH COLUMBIA

MAP	DATE	BY	SCALE	N.T.S.
74MM-6	JULY 1974	J.S.B.	1" = 400'	95G/1W



LEGEND

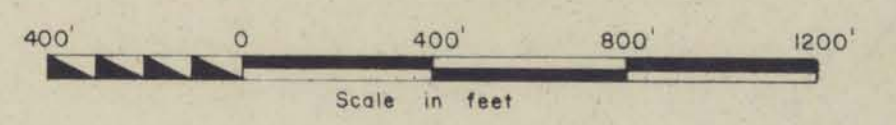
- OPEN AND/OR LOGGED
- STREAMS
- ROADS, TRAILS, PATHS
- BUILDINGS
- HEIGHT OF LAND
- LAKE

TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY M.R. HEGGE, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUESNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

M.R. Hegge

**5127
m7**

- ≥ 40 ppm Pb (MODERATELY ANOMALOUS)
- ≥ 25 ppm Pb (WEAKLY ANOMALOUS)

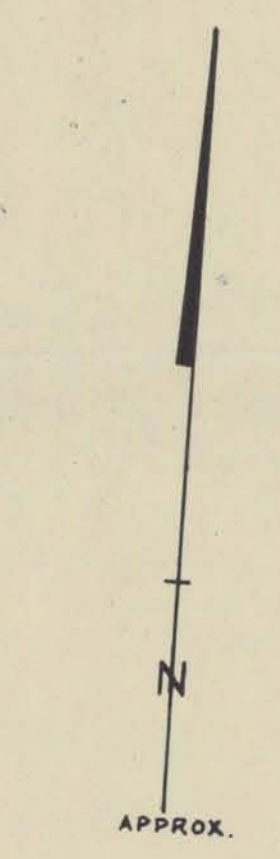


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **5127** MAP # **7**

Hudson's Bay Oil and Gas Company Limited
MINERALS EXPLORATION
VANCOUVER BRITISH COLUMBIA

WANDA NO. 1 GROUP
GEOCHEMICAL SOIL SURVEY
LEAD - IN - SOIL
(VALUES IN PPM)
HOUSE MOUNTAIN AREA
CARIBOO MINING DIVISION
BRITISH COLUMBIA

MAP	DATE	BY	SCALE	N.T.S.
74 MM-7	JULY, 1974	J.S.B.	1" = 400'	93 G/W



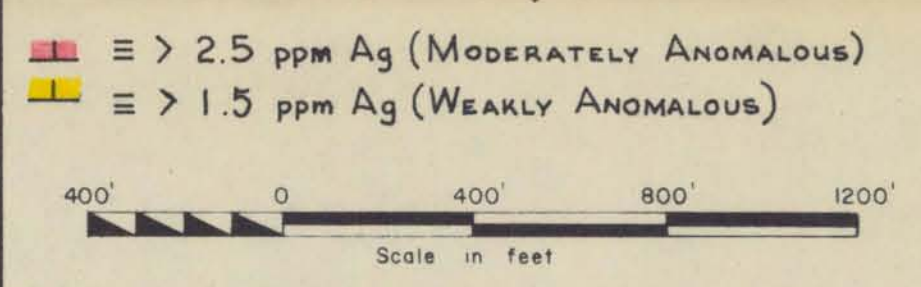
LEGEND

- OPEN AND/OR LOGGED
- STREAMS
- ROADS, TRAILS, PATHS
- BUILDINGS
- HEIGHT OF LAND
- LAKE

TO ACCOMPANY "REPORT ON LINECUTTING AND GEOCHEMICAL SOIL SURVEY" BY M.R. HEGGE, P. ENG., ON THE WANDA NO. 1 GROUP, EIGHT MILES NORTHEAST OF QUESNEL, CARIBOO MINING DIVISION, DATED AUGUST 21, 1974.

M.R. Hegge

**5127
m8**



- ≥ 2.5 ppm Ag (MODERATELY ANOMALOUS)
- ≥ 1.5 ppm Ag (WEAKLY ANOMALOUS)

Hudson's Bay Oil and Gas Company Limited
MINERALS EXPLORATION
VANCOUVER BRITISH COLUMBIA

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5127 MAP #8

WANDA NO. 1 GROUP
GEOCHEMICAL SOIL SURVEY
SILVER-IN-SOIL
(Values in ppm)
MOUSE MOUNTAIN AREA
CARIBOO MINING DIVISION
BRITISH COLUMBIA

MAP DATE BY SCALE N.T.S.
74MM-B JULY, 1974 J.S.B. 1" = 400' 936/1W