

81-#714-
#9446

ASSESSMENT GEOLOGICAL AND GEOCHEMICAL REPORT

ON

JON CLAIM

CHILLIWACK LAKE AREA

NEW WESTMINSTER MINING DIVISION, B.C.

92H/3W

Long. $121^{\circ} 25' E$

Lat. $49^{\circ} 02' N$

August 31, 1981

OWNER: MIDNAPORE RESOURCES INCORPORATED

OPERATOR: MIDNAPORE RESOURCES INCORPORATED

Grant Crooker, B.Sc.
Geologist
Westridge Enterprises Ltd.

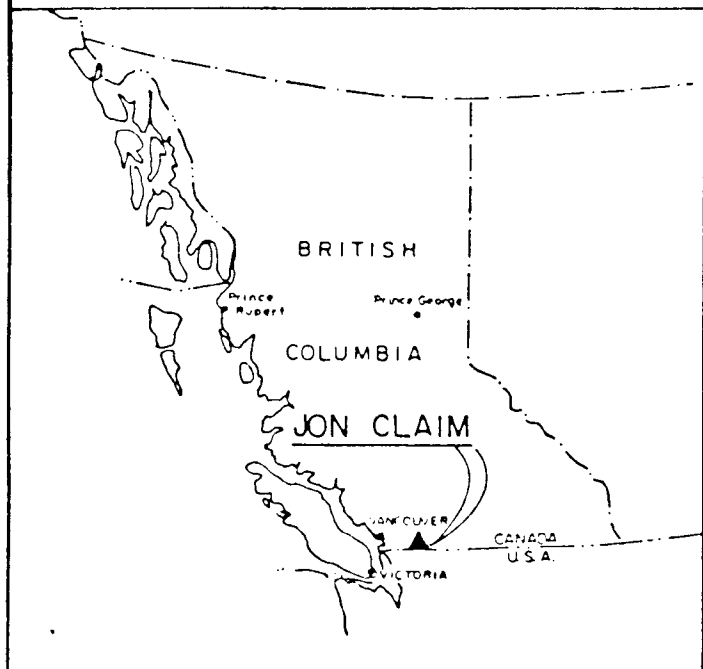
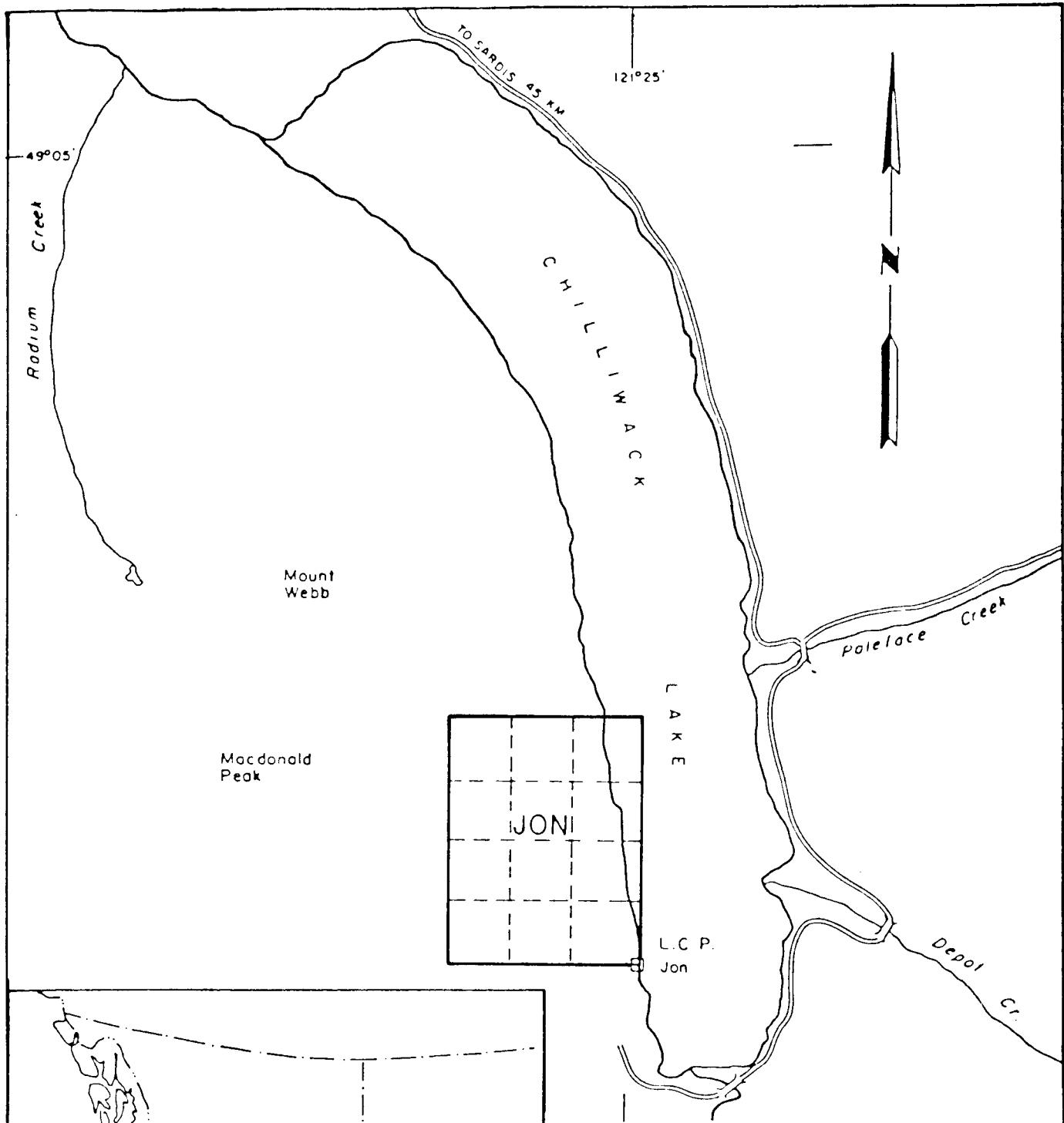
9446

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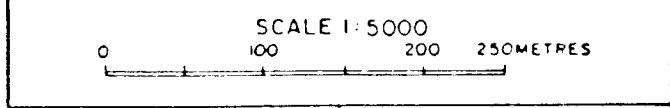
Figure		
1	Location Map	(Frontispiece)
2	Geology Scale= 1:5000	(In Pocket)
3	Soil and Silt Geochemistry, Cu, Scale= 1:5000	(In Pocket)
4	Soil and Silt Geochemistry, Mo, Scale= 1:5000	(In Pocket)



MIDNAPORE RESOURCES INC.
VANCOUVER, B.C.

WESTRIDGE ENTERPRISES LTD.

LOCATION MAP
JON CLAIM



DRAWN BY: G CROCKER

NTS: 92H / 3W

DATE: AUGUST 1981

FIGURE NO. 1

SUMMARY AND RECOMMENDATIONS

The JON Claim covers 12 units in the New Westminster Mining Division. The property is owned by Midnapore Resources Inc.

Mineralization consists of porphyry type copper-molybdenum within the plutonic rocks of the Chilliwack batholith.

The 1981 program was a continuation of the 1980 program. Geochemical sampling and mapping were carried out on the southern part of the claim. Prospecting was carried out on some of the 1980 geochemical anomalies as well.

Recommendations are to explore the showings and geochemical anomalies by hand-trenching and blasting. If sampling discloses copper or molybdenum mineralization in the economic range, then the trenches should be tested by some short diamond drill holes.

INTRODUCTION

General

During July of 1981, the writer and one assistant continued the field exploration program on the JON Claim. The work was a continuation of the 1980 program.

Geological mapping, prospecting and soil sampling were carried out on the southern part of the claim block.

Location and Access

The property is located on the west side of Chilliwack Lake, 2 kilometers from the south end (Figure 1) in the New Westminster Mining Division (92H/3W).

Access is from Sardis, B.C., via the Chilliwack Lake road for 50 kilometers. The road is an all-weather gravel road, which terminates at the south end of the lake. A boat must be taken across the lake to the property.

Physiography

The MAC claim is located on a steep, rugged mountainside on the west side of Chilliwack Lake. Elevations on the property range from 2,050 feet to 5,000 feet above sea level. The higher elevations have extensive vertical cliffs, while the lower elevations are steep, with many smaller cliffs.

A major creek flows through the property. The creek is very steep with a significant flow of water which makes crossing difficult.

Fir and cedar cover much of the property, with willow

and devils club in the open areas.

Property and Claim Status

The JON Claim consists of 12 units and was staked on September 21, 1979.

Midnapore Resources Inc. is the registered owner of the claim.

<u>Claim</u>	<u>Record No.</u>	<u>Expiry Date</u>
JON	606(9)	Sept. 25, 1983

History and Previous Work

In 1968 Gunnex carried out silt and soil sampling surveys in the area. Several probable copper-molybdenum anomalies were outlined, but no further work was done.

The area was restaked during 1979 and subsequently sold to Midnapore Resources Inc. During 1980 the Company carried out a program of mapping and soil sampling on the northern part of the property.

The 1981 program was a continuation of the 1980 program on the southern part of the property.

EXPLORATION PROCEDURE

The 1981 field program consisted of geological mapping, prospecting and soil sampling. The mapping and soil sampling were carried out along contours in the southern part of the property to complete the survey started in 1980. All of the information was plotted at a scale of 1:5000.

The lines were 200 vertical feet apart with soil samples

taken every 50 meters along the lines. The lines were ran from 2,200 to 3,000 feet above sea level.

Soil samples were taken in the brown or orange 'B' horizon at a depth of 5 to 25 centimeters. Thick accumulations of 'A' horizon organic material cover the area. The samples were placed in brown Kraft paper bags, dried and sent for analysis. Seventy-seven soil samples were taken.

The samples were analyzed for copper and molybdenum by Rossbacher Labs. in Burnaby, B.C. The samples were dried, screened to minus 80 mesh and digested by a perchloric, nitric bath. Concentrations of copper and molybdenum were determined by atomic absorption.

Some prospecting was carried out in the area of some 1980 geochemical anomalies.

The results of the 1981 program were plotted on the same base maps as the 1980 program to retain continuity of information.

GEOLOGY

Claim Geology

The claim is underlain by the Chilliwack Batholith. This is a composite batholith with hornblende-biotite quartz diorite and hornblende-biotite granodiorite being the predominate phases.

The pluton extends from the Skagit River, in Washington, to Yale, in British Columbia and age of emplacement is Late Eocene to Miocene.

The JON Claim (Figure 2) is underlain by a medium to coarse grained biotite granodiorite and a fine to medium grained aplite. Varying amounts of biotite along with minor hornblende are contained in the granodiorite. The granodiorite has little

alteration. The aplite is generally fine grained with occasional minor biotite flakes.

The aplite forms a northeast trending zone approximately 250 meters wide within the biotite granodiorite. The 1981 mapping failed to extend the dimensions of the aplite.

MINERALIZATION

Mineralization observed during the 1980 program consisted of chalcopyrite and molybdenite occurring as disseminations or on fractures within the aplite. Pyrite is also associated with the mineralization. This mineralization was found in three locations (Figure 2).

The 1981 program failed to find any additional showings on the southern parts of the property or within the area of the 1980 geochemical anomalies.

GEOCHEMICAL SAMPLING

Molybdenum

Values of 14 ppm and greater were considered anomalous. Only one small anomaly was found in the 1981 program, located around L24 + 20 South.

Copper

Values of 200 ppm and greater were considered anomalous. Two small anomalies were found in the 1981 program. These are located around L22 + 30 South, and L24 + 65 South.

The anomalies are located in areas believed to be

covered by biotite granodiorite. No mineralization was observed during mapping. The anomalies are very small and probably not of great significance.

CONCLUSIONS AND RECOMMENDATIONS

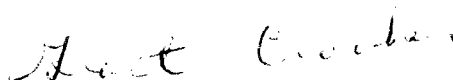
During the 1981 program, only one small molybdenum and two small copper anomalies were found. The anomalies appear to be underlain by the biotite granodiorite.

The 1981 prospecting and mapping failed to locate any additional mineralization on the southern part of the claim block or within the 1980 geochemical anomalies.

Recommendations are as follows:

- 1) The known showings and geochemical anomalies should be explored by hand trenching to remove over-burden and then drilled and blasted to expose fresh rock for sampling.
- 2) If the Phase I trenching and sampling discloses copper or molybdenum mineralization in the economic range, then the areas should be tested by some short diamond drill holes using a light weight portable rig.

Respectfully submitted,



Grant Crooker B.Sc.
Geologist

REFERENCES

- Crooker, G. C. - Geological and Geochemical Report
on JON Claim, Chilliwack Lake Area, June 4, 1980
- Elwell, J. P. - Report on the JON Claim, October 4, 1979
- Monger, J. W. H. - Geological Survey of Canada, Paper
69-47, Hope Map Area, West Half British Columbia
- Rose, K.C. - A Report on a Geochemical Survey of the JON
Claim, Chilliwack Lake, B.C., July 17, 1968

COST STATEMENT

1. Salaries:	
Geologist - July 10 - 21, 1981	
12 days @ \$300/day	\$3,600.00
Prospector - July 14 - 21, 1981	
8 days @ \$150/day	1,200.00
2. Accommodation and Meals, July 10 - 21, 1981	480.00
3. Transportation - July 14 - 21, 1981	
4x4 Truck Rental & Fuel	435.50
4. Geochemical Analyses and Assays:	367.20
5. Supplies, Equipment Rental, Boat Rental, Freight	
July 10 - 21, 1981	840.00
6. Engineering report, maps, drafting,	
secretarial, reproduction, stationery, supplies, research	1,500.00
	<hr/>
	\$8,422.70

CERTIFICATE OF QUALIFICATIONS

I, Grant F. Crooker, B.Sc., Geology, of Box 234, Keremeos, British Columbia, state as follows:

- 1) That I graduated from the University of British Columbia in 1972 with a Bachelor of Science degree in Geology.
- 2) That I have prospected and actively pursued geology prior to my graduation and have practiced my professions since 1972.
- 3) That I am a member of the Canadian Institute of Mining and Metallurgy.
- 4) That I am a Fellow of the Geological Association of Canada.
- 5) That I am employed by Westridge Enterprises Ltd., 2,000 Arbury Avenue, Coquitlam, B.C.
- 6) That I am the owner of 4,000 shares of Midnapore Resources Inc.

DATED at Vancouver, British Columbia, this 13th day of August, 1981.

Grant Crooker

Grant Crooker, B.Sc.
Geologist

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

TO: WESTRIDGE ENTERPRISES LTD.
2000 ARBURY AVE
COQUITLAM, B.C

CERTIFICATE NO. 81259-1
INVOICE NO. 1376
DATE ANALYSED AUG 4/81
PROJECT

No.	Sample	pH	Mo	Cu										No.
01	122+15S	MISSING												01
02	20S		8	96										02
03	25S		7	720										03
04	30S		10	420										04
05	35S		8	314										05
06	40S		4	140										06
07	45S		3	50										07
08	50S		3	80										08
09	55S		5	244										09
10	60S		3	58										10
11	65S		3	50										11
12	70S		6	216										12
13	75S		3	96										13
14	80S		3	34										14
15	122+85S		4	52										15
16	124+0S		3	12										16
17	5S		3	40										17
18	10S		8	58										18
19	15S		23	62										19
20	20S		17	12										20
21	25S		7	12										21
22	30S		3	24										22
23	35S		2	44										23
24	40S		4	82										24
25	45S		4	154										25
26	50S		2	118										26
27	55S		16	130										27
28	60S		5	110										28
29	65S		11	270										29
30	70S		1	66										30
31	75S		3	14										31
32	80S		4	34										32
33	124+85S		5	28										33
34	126+10S		4	50										34
35	15S		3	52										35
36	20S		2	28										36
37	25S		6	18										37
38	30S		32	12										38
39	126+35S		9	30										39
40	STD B-6		40	360										40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by *[Signature]*

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

WESTRIDGE ENTERPRISES LTD

TO: 2000 ARBURY AVE.,
COQUITLAM, B.C.

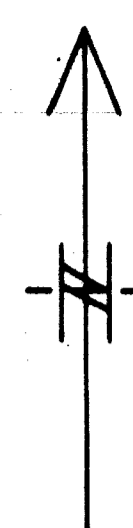
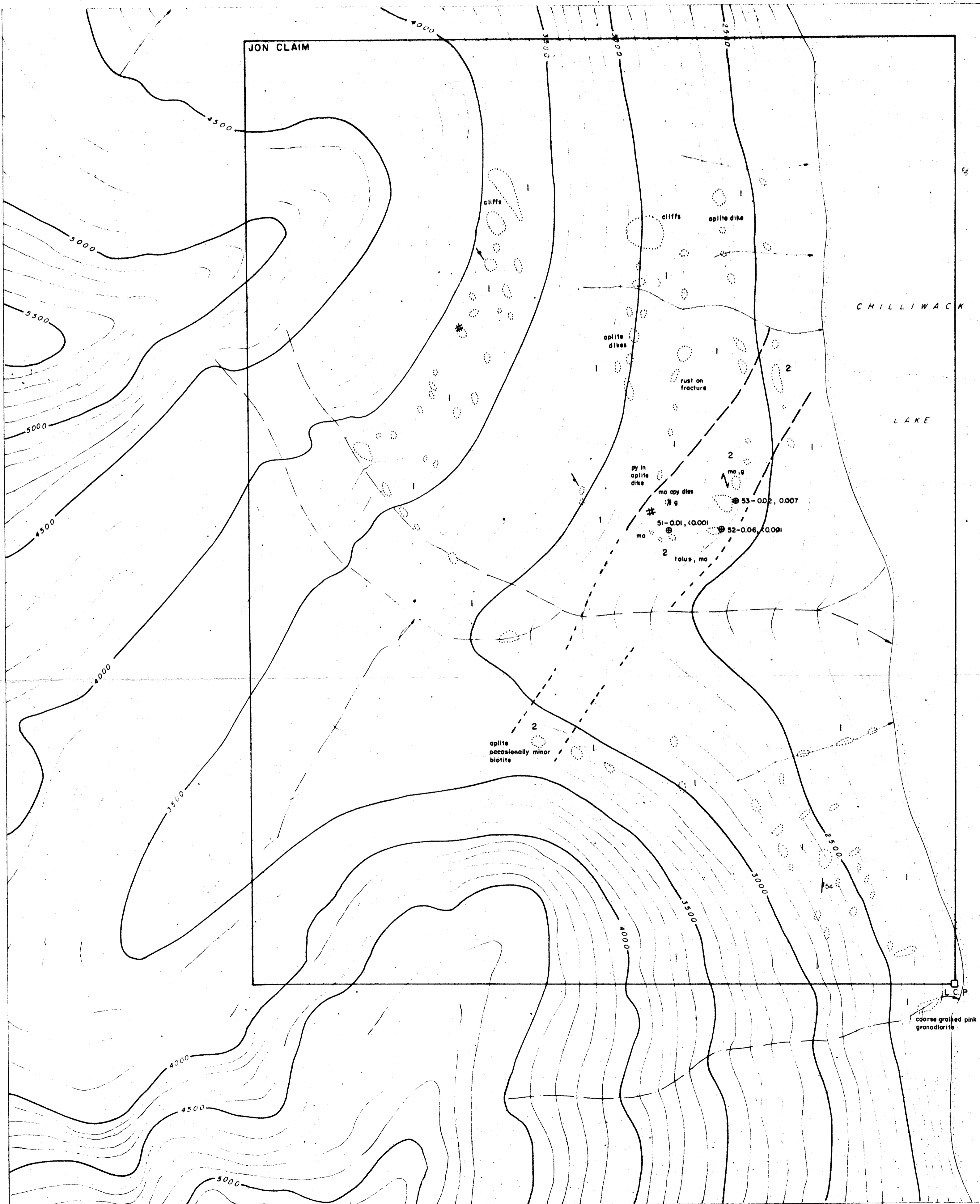
CERTIFICATE NO. 81259-2
INVOICE NO. 1376
DATE ANALYSED AUG 4/81
PROJECT

No.	Sample	pH	Mo	Cu										No.
01	L26+40S		3	16										01
02	45S		3	50										02
03	50S		3	32										03
04	55S		2	30										04
05	60S		6	28										05
06	65S		10	40										06
07	70S		3	18										07
08	75S		2	18										08
09	80S		2	10										09
10	85S		3	30										10
11	L26+90S		3	10										11
12	L28+0S		2	40										12
13	5S		4	16										13
14	10S		8	18										14
15	15S		3	26										15
16	20S		3	16										16
17	25S		3	18										17
18	35S		5	104										18
19	40S		4	50										19
20	45S		4	34										20
21	50S		5	94										21
22	55S		2	20										22
23	60S		4	70										23
24	65S		6	20										24
25	70S		6	50										25
26	75S		10	188										26
27	80S		4	218										27
28	85S		1	20										28
29	L28+90S		1	34										29
30	L30+40S		2	52										30
31	45S		6	46										31
32	50S		2	122										32
33	55S		1	32										33
34	60S		10	130										34
35	65S		8	24										35
36	70S		4	16										36
37	75S		6	50										37
38	L30+80S		2	16										38
39	STD 86		(48	368)										39
40														40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by

J. Rossbacher



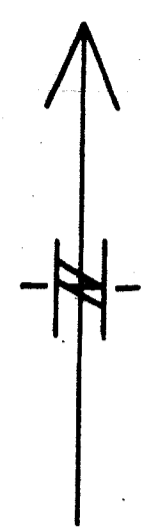
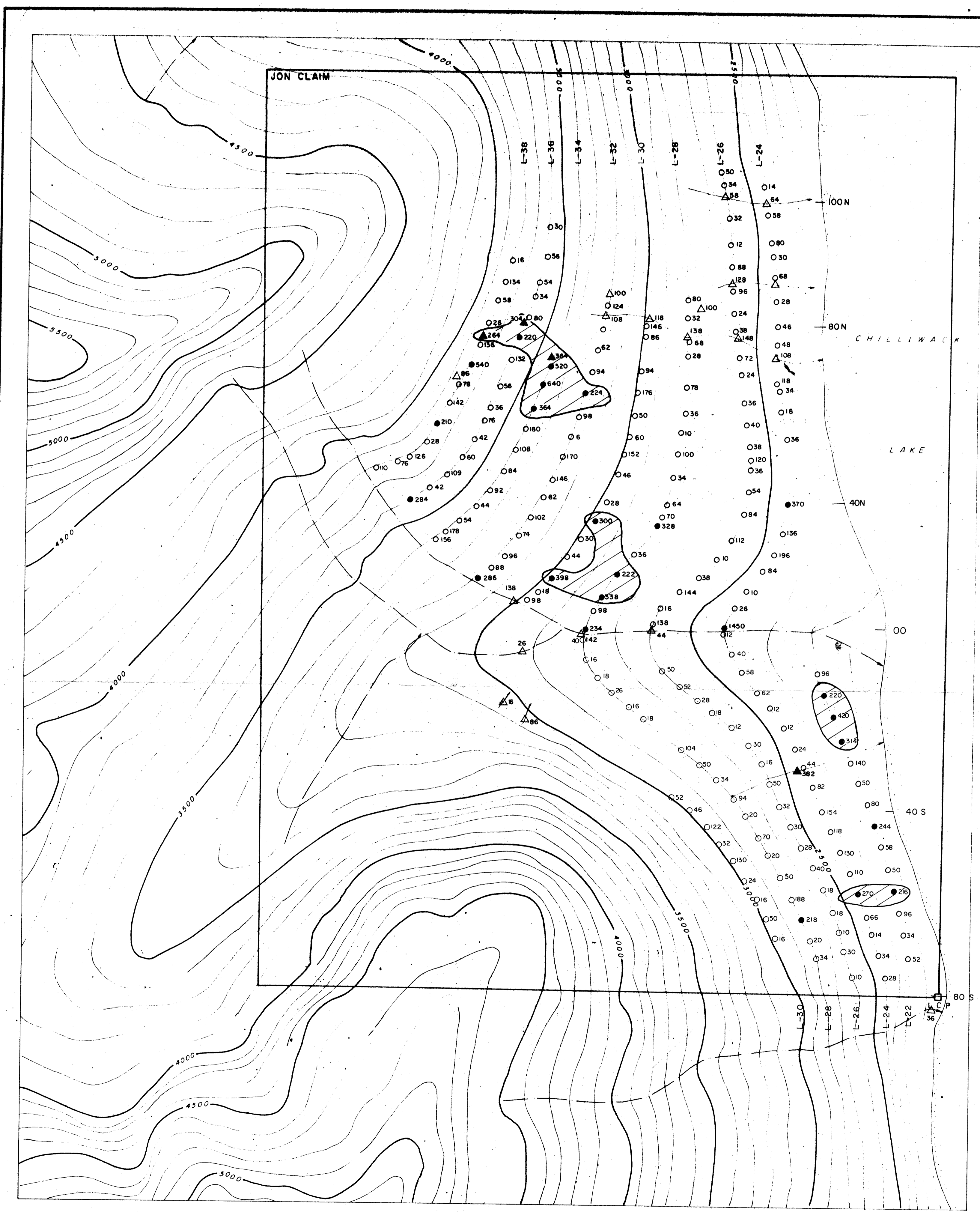
LEGEND

- # QUARTZ STOCKWORK
- 1 BIOTITE GRANODIORITE
- 2 APLITE
- GEOLOGICAL BOUNDARY (approx., assumed)
- QUARTZ VEIN
- ↗ JOINT (inclined, vertical)
- ⊕ 53-0.02, 0.007 SAMPLE LOCATION, SAMPLE NO. - Cu, Mo
- cpy CHALCOPYRITE
- mo MOLYBDENITE
- py PYRITE
- g GOSSAN
- x SULPHIDES

CONTOUR INTERVAL 100 FEET

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MIDNAPORE RESOURCES INC. VANCOUVER, B.C.	
WESTRIDGE ENTERPRISES LTD.	
GEOLOGY	
JON CLAIM	
NEW WESTMINSTER M.D., BRITISH COLUMBIA	
DRAWN BY G. CROOKER	NTS 92 H / 3 W
DATE AUG. 1981	FIGURE NO. 2

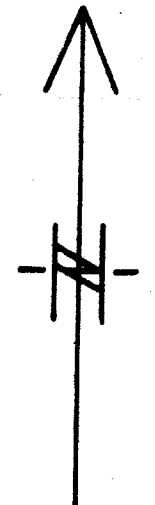
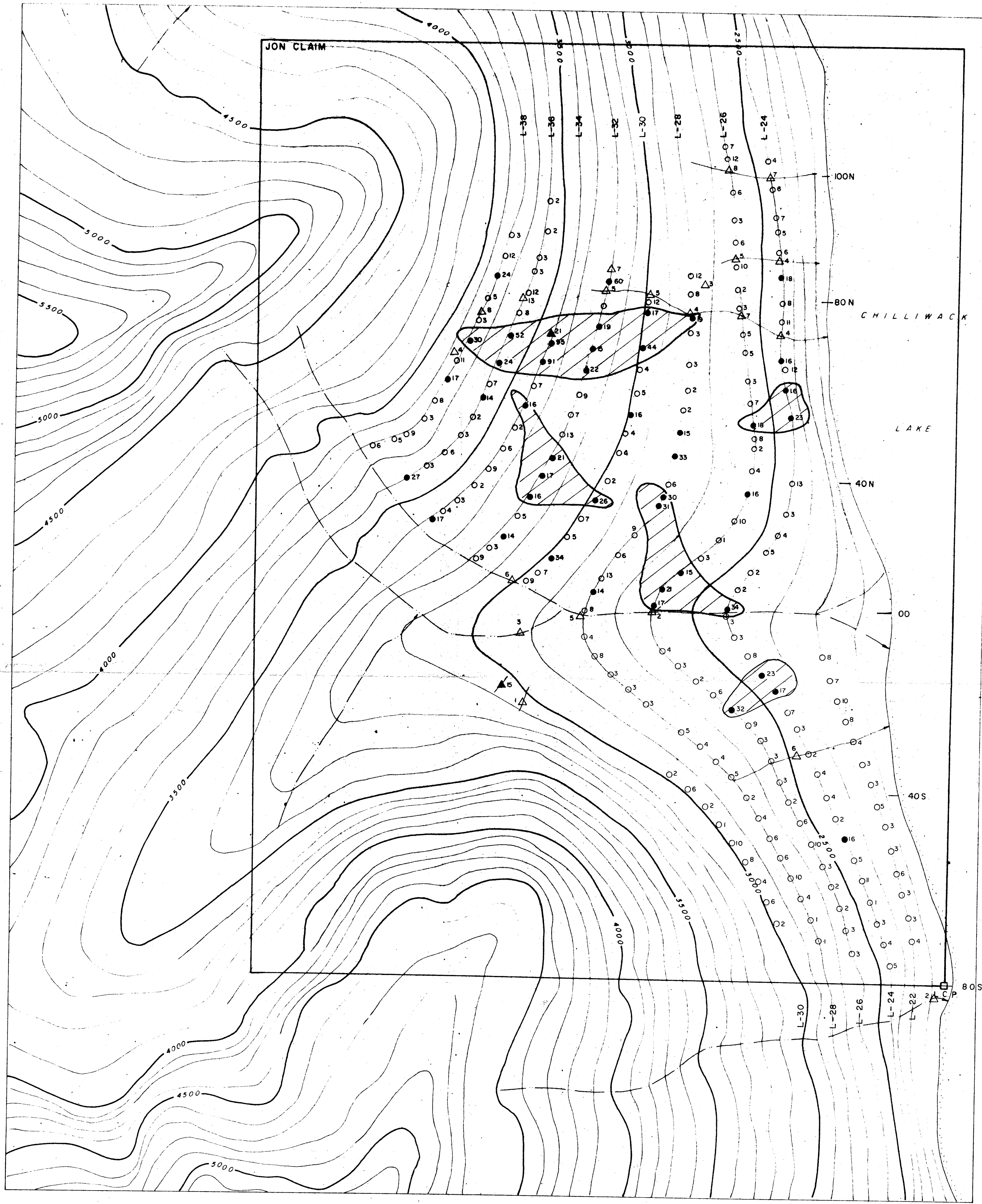


- LEGEND**
- SOIL GEOCHEM. IN P.P.M.
 - △ SILT " " "
 - SOIL ANOMALOUS >200 p.p.m.
 - ▲ SILT " " "
 - ▨ Cu ANOMALOUS

CONTOUR INTERVAL 100 FEET

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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MIDNAPORE RESOURCES INC. VANCOUVER, B.C.	
WESTRIDGE ENTERPRISES LTD.	
SOIL & SILT GEOCHEM. -Cu-	
JON CLAIM NEW WESTMINSTER M.D., BRITISH COLUMBIA	
0 100 200 300 METRES	
DRAWN BY G. CROOKER	NTS 92 H / 3 W
DATE AUG. 1981	FIGURE N° 3

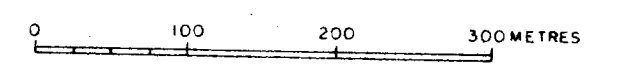


- LEGEND**
- SOIL GEOCHEM. IN P.P.M.
 - △ SILT " " "
 - SOIL ANOMALOUS > 14 p.p.m.
 - ▲ SILT " " "
 - Mo ANOMALOUS

CONTOUR INTERVAL 100 FEET

MIDNAPORE RESOURCES INC.
 VANCOUVER, B.C.
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9446

MIDNAPORE RESOURCES INC.
 VANCOUVER, B.C.
 WESTRIDGE ENTERPRISES LTD.
SOIL & SILT GEOCHEM.
 - Mo -
 JON CLAIM
 NEW WESTMINSTER M.D., BRITISH COLUMBIA



DRAWN BY G. CROOKER NTS . 92 H / 3 W
 DATE AUG 1981 FIGURE NO 4