

81-1094-9856.

GEOLOGICAL REPORT
ON
MAXI CLAIM GROUP
COWICHAN LAKE AREA
VICTORIA MINING DIVISION
92C/9E
[48° 45'N, 124°04'E]

FILMED

FOR
STRATA ENERGY CORPORATION

BY
GRANT CROOKER, B. SC.
GEOLOGIST

OCTOBER, 1981

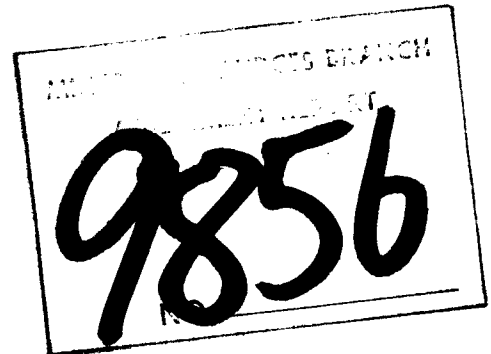


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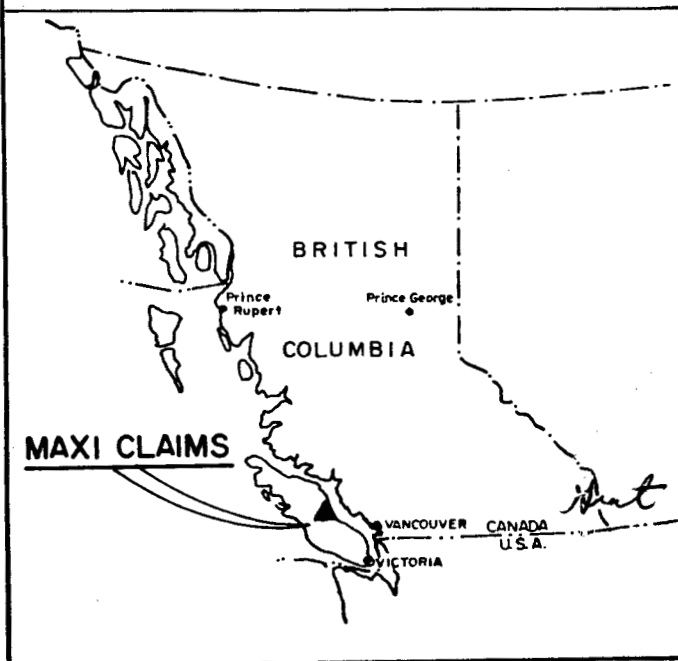
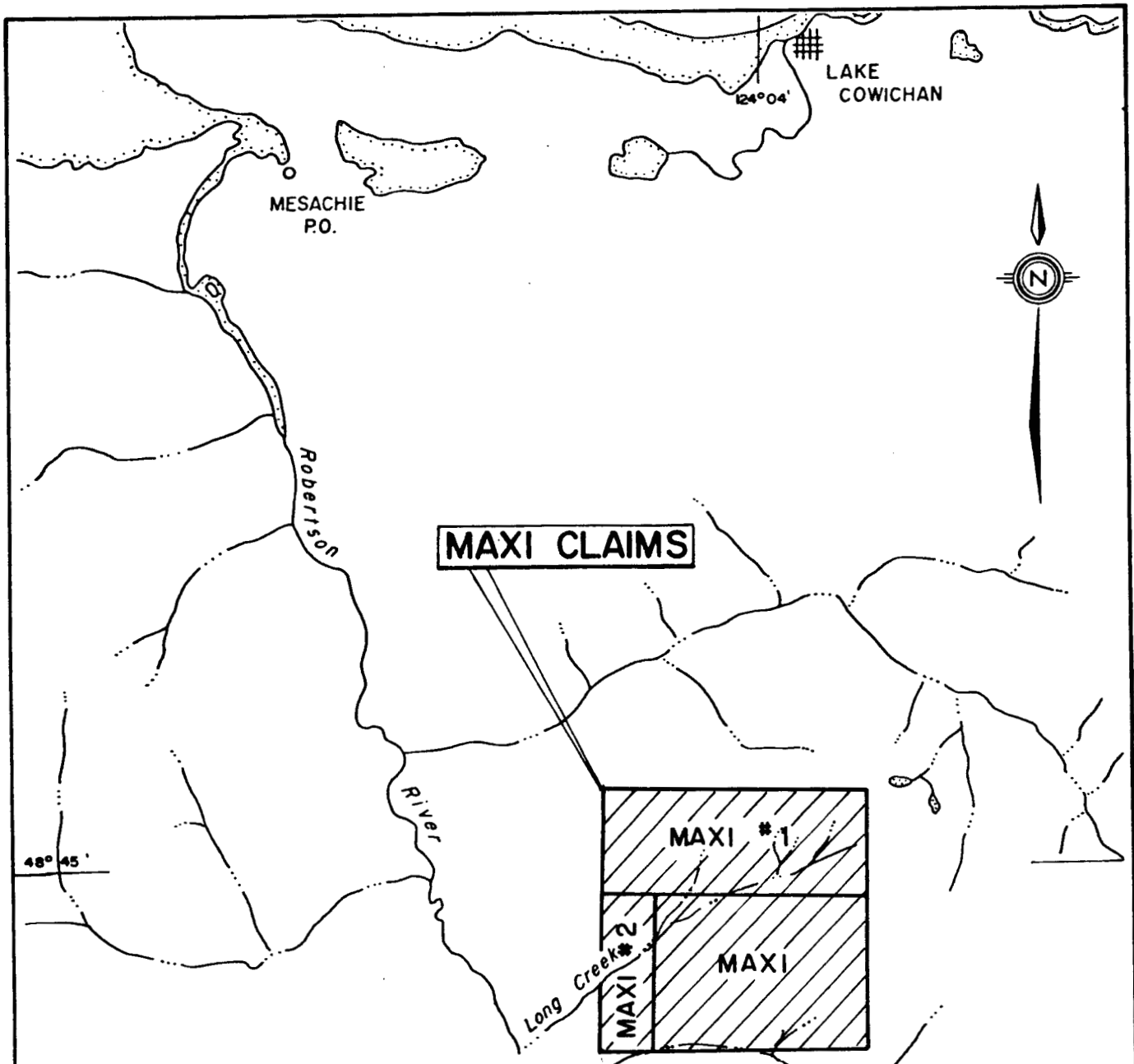
SUMMARY AND RECOMMENDATIONS

The Maxi Claim Group consists of 25 units and is located in the Victoria Mining Division. The property is located 8 Kilometers south of the town of Lake Cowichen, Vancouver Island, British Columbia.

The 1980 program indicated significant mineralization containing chalcopyrite at the Hillcrest Showing.

The 1981 program did not locate additional mineralization, although high geochemical values were found north of the Hillcrest Showing.

Phase I of the recommendations by Stanley B. Reamsbottom, Report on the Maxi Claim Group should be continued. These include geochemical and geophysical surveys over selected areas of the property.



| | |
|--|------------------|
| STRATA ENERGY CORP. VANCOUVER, B.C. | |
| WESTRIDGE ENTERPRISES LTD. | |
| MAXI PROPERTY VICTORIA M.D., B.C. LOCATION MAP SCALE 1:63,360 | |
| DRAWN BY: G. CROOKER | N.T.S.: 92C - 9E |
| DATE: SEPT. 1981 | FIGURE NO. 1 |

INTRODUCTION

General

During September, 1981, the writer continued the field exploration program on the Maxi Claims initiated in 1980. The program was concentrated around the Hillcrest and Arrow Showings.

The program consisted of establishing a grid, geological mapping and geochemical soil sampling.

Location

The Maxi Claim Group (Figure 1) is located at the headwaters of the Robertson River, 8 Kilometers south of the town of Lake Cowichan, Vancouver Island. (lat $48^{\circ}45' N$, long $124^{\circ}04' E$).

Access is from the Port Renfrew - Lake Cowichan logging road, to the Robertson River, Long Creek area. The roads are all-weather and in good condition.

Physiography

The claims are located in the southern part of the Vancouver Island Mountains, at elevations of 300 to 850 meters above sea level. Topography is generally steep.

The majority of the area has been logged, and slash, and second growth timber predominate. Some areas have been "thinned" which makes travel in the bush difficult.

Property and Claim Status

The Maxi Claim Group consists of the Maxi, Maxi #1 and Maxi #2 claims. The 3 claims consist of 25 units and Strata Energy Corporation, Suite #1250, 800 West Pender St. Vancouver, B.C. is the owner.

| <u>Claim</u> | <u>Record No.</u> | <u>Expiry Date</u> |
|--------------|-------------------|--------------------|
| Maxi | 275 | Aug. 27, 1985 |
| Maxi #1 | 391 | June 19, 1982 |
| Maxi #2 | 392 | June 19, 1986 |

History

History of the property has been discussed in the in the Geological Report on the Maxi Claim Group by Grant Crooker, July 15th, 1980.

EXPLORATION PROCEDURE

The 1981 field program concentrated on the area between and around the Arrow and Hillcrest Showings. The idea was to try and extend the known mineralized zones or locate parallel structures. Work consisted of establishing a grid, geochemical soil sampling, geological mapping and prospecting.

The grid was established over the Hillcrest Showing, with the baseline being 500 meters long. Crosslines were established at 100 meters intervals with stations at 30 meter intervals along the lines. The crosslines extend 210

meters on both sides of the baseline.

Geochemical soil sampling (85 samples) was carried out over the grid area, with samples taken at 30 meter intervals. Samples were taken in the "B" horizon, at a depth of 5 to 10 centimeters. The samples were placed in brown paper sample bags, dried, and sent for analysis for copper and zinc. Results were plotted at a scale of 1:1,250.

All samples were sent to Rossbacher Laboratory, Burnaby, B.C., for analysis. Laboratory technique for geochemical analysis consists of preparing samples by drying at 75°C and sieving to minus 80 mesh. Copper and zinc are analyzed by nitric, perchloric digestion, and concentrations of elements are determined by atomic absorption.

GEOLOGY

Regional Geology

The Maxi Claim Group is underlain by the Lower Jurassic Bonanza Group Volcanics. This group is composed of lava, tuff, and breccia of mainly basaltic and rhyolitic composition. Occasionally it contains intercalated beds and sequences of marine argillite and greywacke.

A stock of Jurassic Island Intrusive lies to the southwest of the Claim Group.

Claim Geology

The Maxi Claims are mainly underlain by basalt. A granodiorite has intruded the basalt and locally metamorphosed the volcanics.

Rock Types

1. Granodiorite - The granodiorite is generally fine grained with equigranular quartz and feldspar with prominent hornblende crystals. The granodiorite intrudes the volcanics, and occurs as very irregularly shaped bodies.
2. Basalt - The basalt is generally a grey to black rock.
3. Skarn - The skarn is generally massive pyrrhotite with chalcopyrite.
4. Granite - The granite is light grey or green and highly siliceous. The unit occurs as dikes and often cuts the mineralization.

The 1981 detailed mapping (Figure 2) indicates the Hillcrest and Anomaly Showings may be on the same contact of the volcanic and intrusive.

Mineralization

Mineralization at the Hillcrest Showing (Figure 2) consists of magnetite, pyrrhotite and chalcopyrite occurring in a skarn zone at the contact of the basalt and granodiorite.

A number of outcrops of the skarn occur. Sampling during 1980 returned values of up to 2.18% copper over 1.0 meters.

No additional mineralization was found during 1981.

Geochemical Sampling

A geochemical survey was carried out over the Hillcrest and Arrow Showings (Figure 3) and the samples analyzed for copper and zinc.

Zinc values were very low, and none could be considered anomalous.

Copper values greater than 150 p.p.m. were considered to be anomalous. One anomaly traced the Hillcrest Showing to the east of the baseline. The best copper values were along line 3N. These values may represent a contact of the basalt and granodiorite, and additional mineralization.

CONCLUSIONS AND RECOMMENDATIONS

The Hillcrest Showing appears to contain significant copper mineralization related to skarns. No additional mineralization was found during 1981, but high soil geochemical values for copper along line 3N indicate a possibility of additional mineralization.

Further exploration should continue around the Hillcrest Showing, especially north of line 3N.

Phase I of the recommendations by Stanley B. Reamsbottom, Report on the Maxi Claims should continue. The recommendations are:

1. The soil survey around the Hillcrest Showing be extended to the north, and further east and west along the 1981 anomalies. Further soil sampling should also be carried out around the Anomaly Showing.

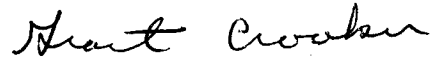
2. A magnetometer survey be carried out to define the contact between volcanic and intrusive rocks, and locate magnetic mineralization.

3. An EM survey be carried out over strong magnetic anomalies to test for conductivity.

4. Trenching and sampling be carried out over strong coincident geochemical and geophysical anomalies.

Depending upon the results of the continued Phase I program, a decision can be made to initiate the Phase II program to drill test significant zones.

Respectfully submitted,



Grant Crooker, B.Sc.,
Geologist

October, 1981

REFERENCES

Crooker, F.G. - Geological Report on Maxi Claim Group,
Cowican Lake Area, July 15, 1980.

McKechnie - B.C. Minister of Mines and Petroleum Resources
Report, 1962, 1963.

Muller, J.E. - Geology of Vancouver Island, 1977

Reamsbottom, Stanley, B. - Report on the Maxi Claim, January
1980.

White, L. - Report on the Fraser Property, Lake Cowichan,
B.C., for Copper Ridge Mines Ltd., Vancouver, B.C., 1966

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 profession 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.

Dated at Vancouver, British Columbia this 30th day of September 1981.

Grant Crooker

Grant Crooker, B.Sc.,
Geologist

COST STATEMENT

WAGES

1 Geologist \$2,400.00
8 days @ \$300/day
Sept. 18-25, 1981

1 Geologist 1,500.00
5 days @ \$300/day
Sept. 18-22, 1981

ACCOMMODATION

6 days 300.00

MEALS

6 days 300.00

TRANSPORTATION

Vehicle Rental (6days) 240.00
Gasoline 42.00

FIELD SUPPLIES

52.64

GEOLOGICAL REPORT

Secretarial, Draughting, 1,200.00
Reproduction, etc.

ANALYSIS

85 Samples, Cu, Zr, 312.50
\$2.50/sample

TOTAL

\$6,347.14

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 81355-1
INVOICE NO. 1439
DATE ANALYSED SEPT 29/81
PROJECT MAX PROP.

TO: STRATA ENERGY CORP.
1250 800 W. Pender Street
Vancouver, B.C.

| No. | Sample | pH | Mo | Cu | Zn | | | | | | | No. |
|-----|---------|----|----|------|-----|--|--|--|--|--|--|-----|
| 01 | 0 + 6E | | | 162 | 58 | | | | | | | 01 |
| 02 | 9E | | | 1520 | 60 | | | | | | | 02 |
| 03 | 12E | | | 32 | 40 | | | | | | | 03 |
| 04 | 15E | | | 146 | 52 | | | | | | | 04 |
| 05 | 18E | | | 126 | 66 | | | | | | | 05 |
| 06 | 21E | | | 66 | 46 | | | | | | | 06 |
| 07 | 0 + 3W | | | 56 | 40 | | | | | | | 07 |
| 08 | 6W | | | 14 | 26 | | | | | | | 08 |
| 09 | 9W | | | 6 | 28 | | | | | | | 09 |
| 10 | 12W | | | 2 | 12 | | | | | | | 10 |
| 11 | 15W | | | 12 | 18 | | | | | | | 11 |
| 12 | 18W | | | 4 | 10 | | | | | | | 12 |
| 13 | 21W | | | 68 | 44 | | | | | | | 13 |
| 14 | 1N + 3E | | | 136 | 52 | | | | | | | 14 |
| 15 | 6E | | | 172 | 54 | | | | | | | 15 |
| 16 | 9E | | | 76 | 48 | | | | | | | 16 |
| 17 | 12E | | | 88 | 46 | | | | | | | 17 |
| 18 | 15E | | | 110 | 46 | | | | | | | 18 |
| 19 | 18E | | | 70 | 40 | | | | | | | 19 |
| 20 | 21E | | | 82 | 52 | | | | | | | 20 |
| 21 | 1N + 3W | | | 46 | 50 | | | | | | | 21 |
| 22 | 6W | | | 24 | 28 | | | | | | | 22 |
| 23 | 9W | | | 88 | 44 | | | | | | | 23 |
| 24 | 12W | | | 62 | 50 | | | | | | | 24 |
| 25 | 15W | | | 18 | 36 | | | | | | | 25 |
| 26 | 18W | | | 2 | 22 | | | | | | | 26 |
| 27 | 21W | | | 20 | 44 | | | | | | | 27 |
| 28 | 2N + 3E | | | 178 | 46 | | | | | | | 28 |
| 29 | 6E | | | 6 | 22 | | | | | | | 29 |
| 30 | 9E | | | 72 | 46 | | | | | | | 30 |
| 31 | 12E | | | 134 | 58 | | | | | | | 31 |
| 32 | 15E | | | 4 | 14 | | | | | | | 32 |
| 33 | 18E | | | 28 | 46 | | | | | | | 33 |
| 34 | 21E | | | 52 | 60 | | | | | | | 34 |
| 35 | 2N + 3W | | | 122 | 82 | | | | | | | 35 |
| 36 | 6W | | | 2 | 14 | | | | | | | 36 |
| 37 | 9W | | | 26 | 30 | | | | | | | 37 |
| 38 | 12W | | | 6 | 14 | | | | | | | 38 |
| 39 | 15W | | | 128 | 134 | | | | | | | 39 |
| 40 | | | | | | | | | | | | 40 |

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by

J. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

CERTIFICATE OF ANALYSIS

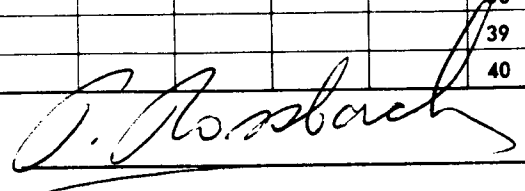
CERTIFICATE NO. 81355-2
INVOICE NO. 1439
DATE ANALYSED SEPT 29/81
PROJECT MAX PROP.

STRATA ENERGY CORP.
TO: 1250 800 West Pender Street
Vancouver, B.C.

| No. | Sample | pH | Mo | Cu | Zn | | | | | | | | No. |
|-----|---------|----|----|-----|-----|--|--|--|--|--|--|--|-----|
| 01 | 2N+ 18W | | | 44 | 64 | | | | | | | | 01 |
| 02 | 21W | | | 16 | 28 | | | | | | | | 02 |
| 03 | 2N+ BL | | | 96 | 64 | | | | | | | | 03 |
| 04 | 3N+ 3E | | | 60 | 34 | | | | | | | | 04 |
| 05 | 6E | | | 344 | 68 | | | | | | | | 05 |
| 06 | 9E | | | 102 | 72 | | | | | | | | 06 |
| 07 | 12E | | | 102 | 64 | | | | | | | | 07 |
| 08 | 18E | | | 228 | 52 | | | | | | | | 08 |
| 09 | 21E | | | 164 | 68 | | | | | | | | 09 |
| 10 | 3N+ 3W | | | 238 | 48 | | | | | | | | 10 |
| 11 | 6W | | | 740 | 56 | | | | | | | | 11 |
| 12 | 9W | | | 40 | 14 | | | | | | | | 12 |
| 13 | 12W | | | 560 | 68 | | | | | | | | 13 |
| 14 | 15W | | | 700 | 56 | | | | | | | | 14 |
| 15 | 18W | | | 206 | 62 | | | | | | | | 15 |
| 16 | 21W | | | 366 | 70 | | | | | | | | 16 |
| 17 | 15+ 12E | | | 66 | 40 | | | | | | | | 17 |
| 18 | 15E | | | 28 | 54 | | | | | | | | 18 |
| 19 | 21E | | | 128 | 48 | | | | | | | | 19 |
| 20 | 15+ 3W | | | 42 | 40 | | | | | | | | 20 |
| 21 | 6W | | | 6 | 26 | | | | | | | | 21 |
| 22 | 9W | | | 34 | 12 | | | | | | | | 22 |
| 23 | 12W | | | 28 | 36 | | | | | | | | 23 |
| 24 | 15W | | | 8 | 20 | | | | | | | | 24 |
| 25 | 18W | | | 62 | 102 | | | | | | | | 25 |
| 26 | 21W | | | 36 | 76 | | | | | | | | 26 |
| 27 | 15+ BL | | | 162 | 42 | | | | | | | | 27 |
| 28 | 25+ 3E | | | 4 | 12 | | | | | | | | 28 |
| 29 | 6E | | | 44 | 44 | | | | | | | | 29 |
| 30 | 9E | | | 62 | 44 | | | | | | | | 30 |
| 31 | 12E | | | 32 | 30 | | | | | | | | 31 |
| 32 | 15E | | | 34 | 32 | | | | | | | | 32 |
| 33 | 18E | | | 14 | 42 | | | | | | | | 33 |
| 34 | 21E | | | 38 | 30 | | | | | | | | 34 |
| 35 | 25+ 3W | | | 28 | 66 | | | | | | | | 35 |
| 36 | 6W | | | 26 | 44 | | | | | | | | 36 |
| 37 | 9W | | | 4 | 10 | | | | | | | | 37 |
| 38 | 12W | | | 38 | 42 | | | | | | | | 38 |
| 39 | 25+ 15W | | | 50 | 44 | | | | | | | | 39 |
| 40 | | | | | | | | | | | | | 40 |

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by



Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

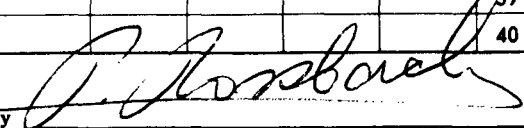
CERTIFICATE OF ANALYSIS

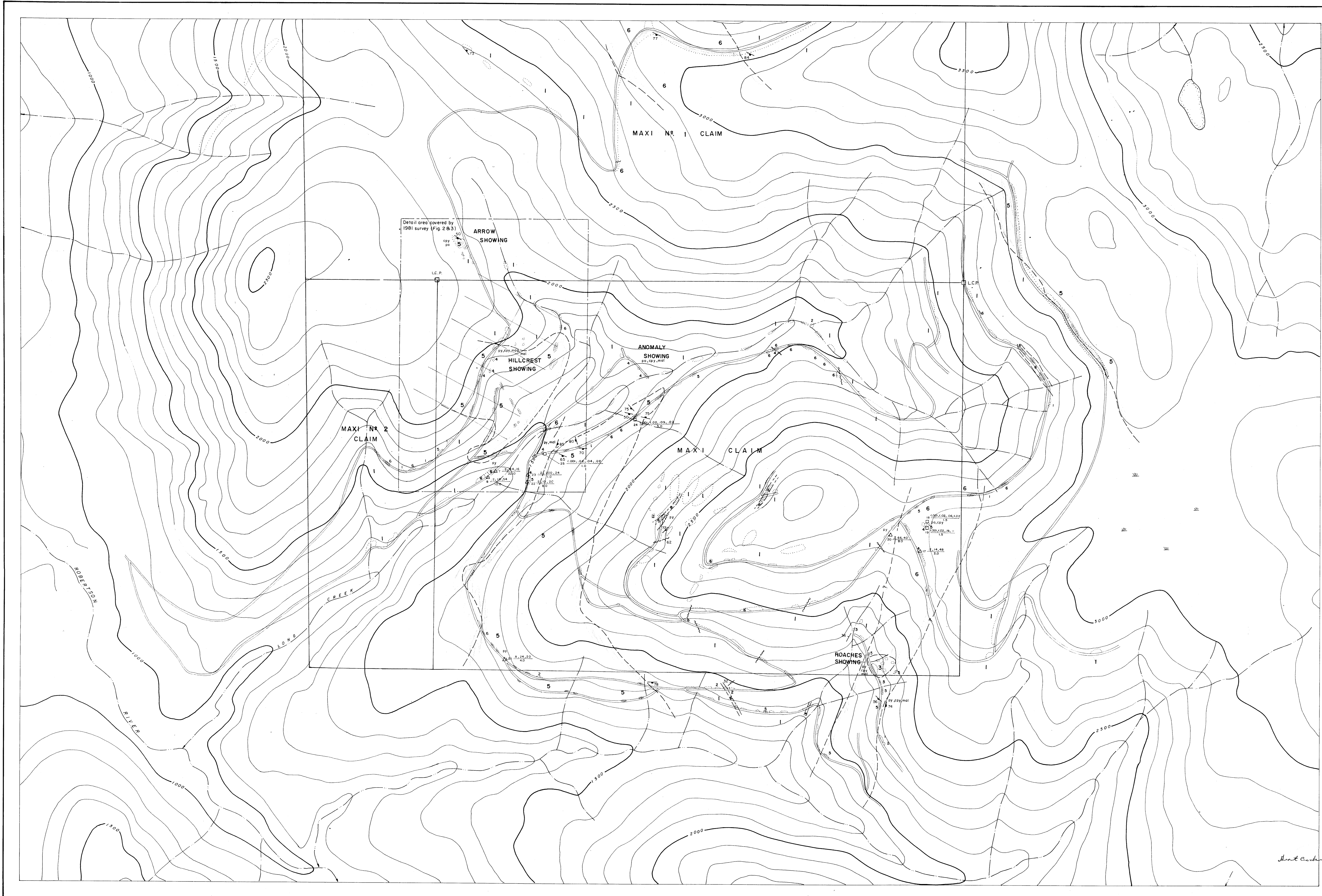
TO: STRATA ENERGY CORP.
1250 800 West Pender Street
Vancouver, B.C.

CERTIFICATE NO. 81355-3
INVOICE NO. 1439
DATE ANALYSED SEPT 29/81
PROJECT MAX PROP.

| No. | Sample | pH | Mo | Cu | Zn | | | | | | | No. |
|-----|--------|----|----|-----|----|--|--|--|--|--|--|-----|
| 01 | 25+18W | | | 90 | 54 | | | | | | | 01 |
| 02 | 21W | | | 40 | 66 | | | | | | | 02 |
| 03 | 25+BL | | | 10 | 24 | | | | | | | 03 |
| 04 | BL+0 | | | 92 | 56 | | | | | | | 04 |
| 05 | BL+1M | | | 132 | 76 | | | | | | | 05 |
| 06 | BL+3M | | | 498 | 42 | | | | | | | 06 |
| 07 | LO+3E | | | 56 | 40 | | | | | | | 07 |
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VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by 



LEGEND

- 1 Basalt
- 2 Chert
- 3 Limestone
- 4 Skarn
- 5 Granodiorite
- 6 Granite porphyry

- LCP Legal corner post
- Stream
- Road
- Outcrop
- Fault
- Geological boundary (observed, assumed)
- Bedding
- Jointing
- cpy Chalcopyrite
- py Pyrite
- po Pyrrhotite
- mal Malachite
- mag Magnetite

20 2.65, 40 80 Rock geochem, Sample No. Au, ppm / Cu, ppm / Zn, ppm Width, m

1000 402, 06, 1102 1.5 Rock assay, Sample No. Au, oz / Ag, oz / Ton, Cu, % / Zn, % Width, m

CONTOUR INTERVAL 100 FEET

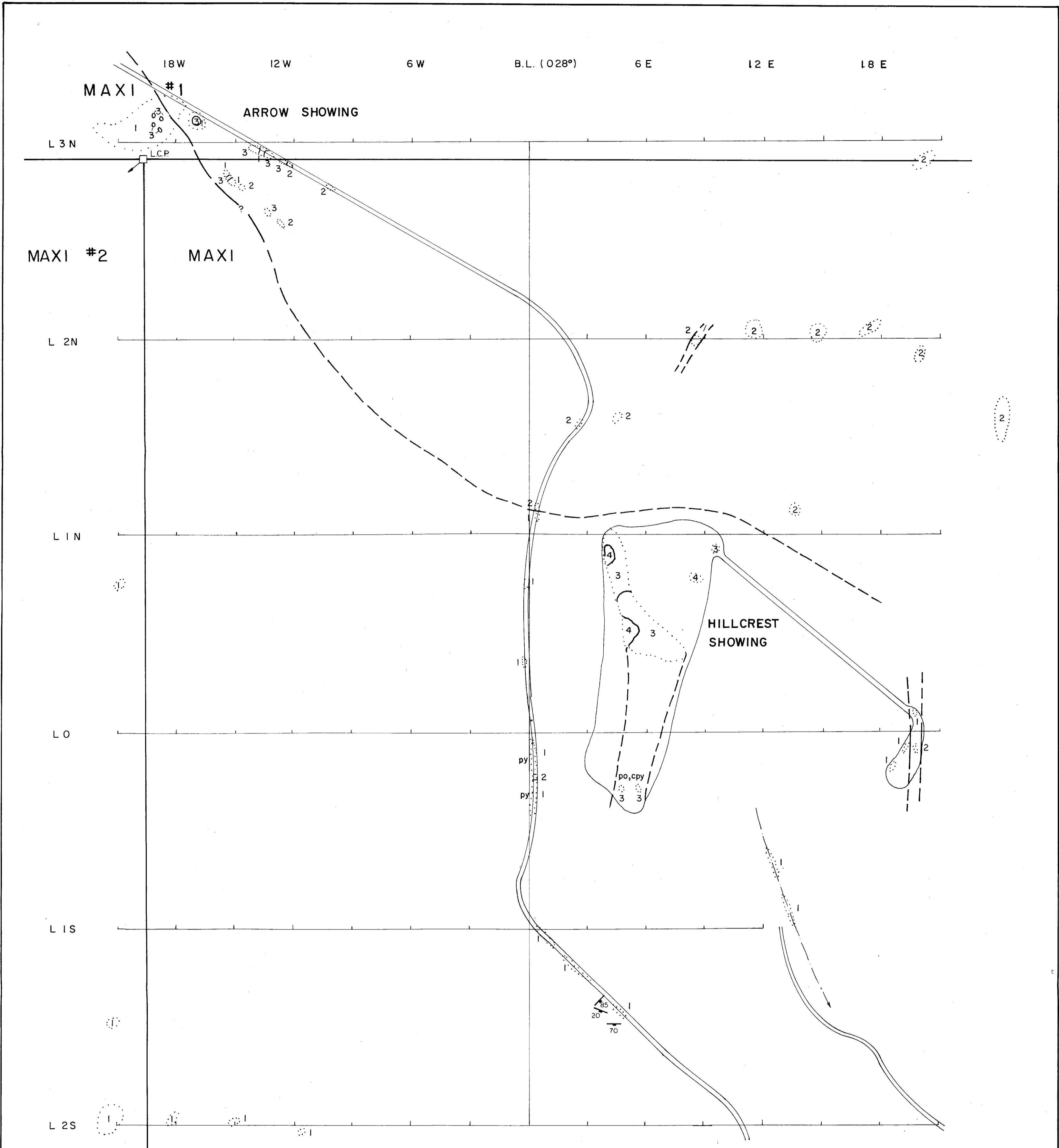
MATERIAL PROVIDED PURSUANT TO
ORDER OF
9856

STRATA ENERGY CORPORATION
VANCOUVER, B.C.

CLAIM GEOLOGY
MAXI CLAIMS
VICTORIA M.D., BRITISH COLUMBIA

0 100 200 300 METRES

DRAWN BY: G. CROOKER N.T.S.: 92 C / 9E - 16E
DATE: SEPT. 1991 FIGURE NR. 4



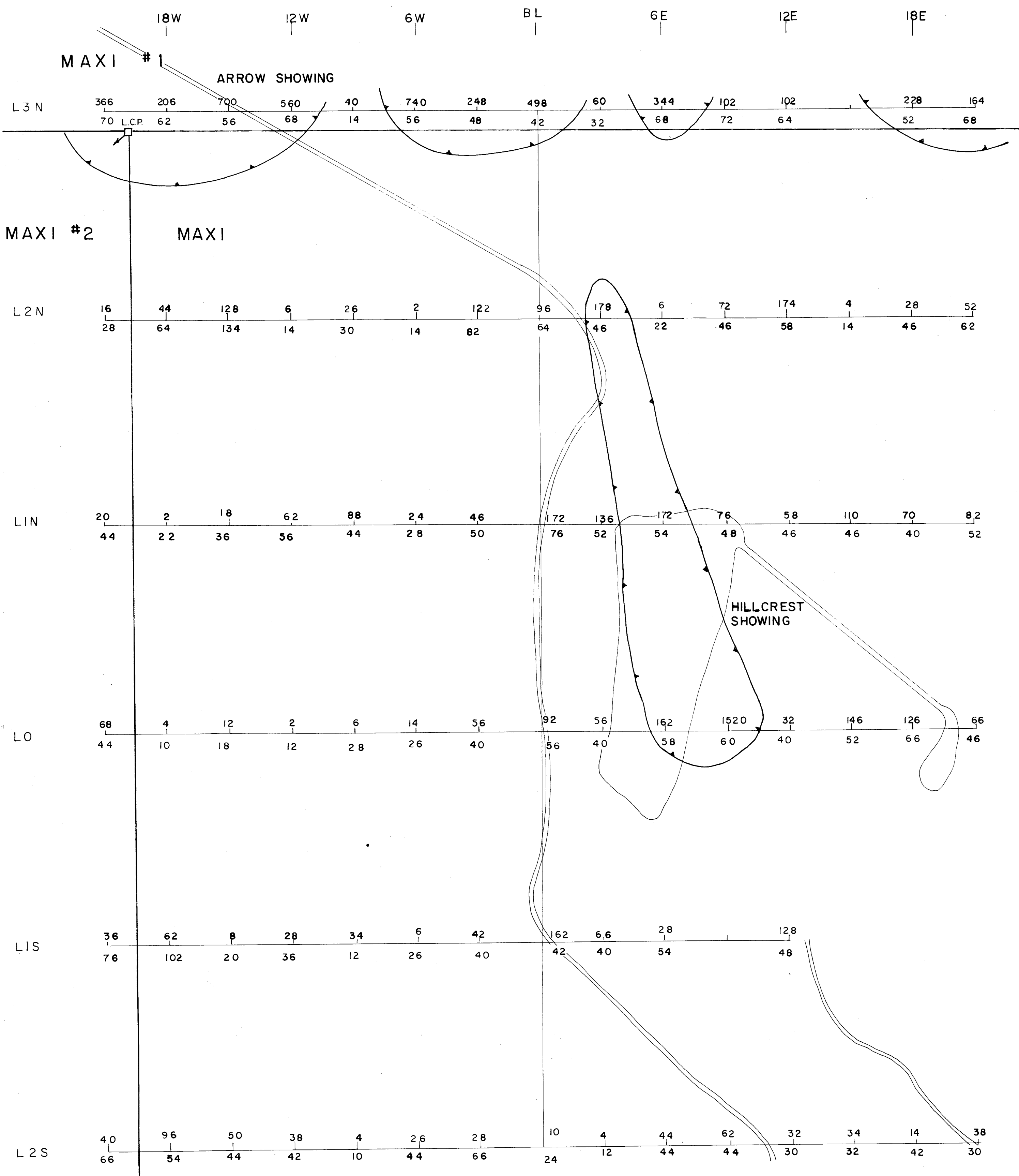
LEGEND

- 1 Granodiorite
- 2 Basalt
- 3 Skarn
- 4 Granite
- Outcrop
- Geological contact - observed, assumed
- Road
- Stream
- Jointing
- po Pyrrhotite
- cpy Chalcopyrite
- py Pyrite

MINERAL RESOURCES & TECHNICAL SERVICES
 ASSOCIATION
9856

| | |
|---|---------------------------|
| STRATA ENERGY CORP. VANCOUVER, B.C. | |
| GEOLOGY HILLCREST SHOWING MAXI CLAIM SCALE 1:1250 | |
| 0 60 METRES | |
| DRAWN BY : G. CROOKER | N.T.S. : 92C/9E |
| DATE : SEPT. 1981 | FIGURE N ^o . 2 |

Mont Cooker



LEGEND

- 112 Cu, ppm
- 80 Zn, ppm
- == Road
- ↪ Copper anomaly > 150 ppm



MINERAL RESOURCES BRANCH
 9856

STRATA ENERGY CORP.
 VANCOUVER, B.C.

SOIL GEOCHEMISTRY
 Cu & Zn
 MAXI CLAIM
 SCALE 1:1250

0 60 METRES

DRAWN BY : G. CROOKER N.T.S. : 92C/9E
 DATE : SEPT. 1981 FIGURE NO. 3

G. Crooker