

93L/11W

GEOLOGICAL AND GEOCHEMICAL REPORT

by

J.M. Newell, P.Eng.  
J.R. Forsythe, B.Sc.

on surveys completed during July-August

on the

TABLE, MONTY, AND STOCK MINERAL CLAIMS

situate in the headwaters of Winfield Creek

in the

OMINECA MINING DIVISION

54°N, 127°W, N.E.  
(NTS 93-L-11)

and owned by

COPPER QUEEN EXPLORATIONS LTD.

September 1972

Vancouver, B.C.

3880

3880

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3880 MAP

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Mining Recorder's Office  
RECORDED  
OCT 2 - 1972  
AT SMITHERS, B.C.

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Geological and Geochemical Report  
TABLE, MONTY, AND STOCK MINERAL CLAIMS  
Omineca Mining Division

INTRODUCTION

Summary

During the summer of 1971, the property was examined by Mr. J.M. Newell, on behalf of Texas Gulf, Inc. in order to determine possible interest in negotiating an option to purchase. With the permission of the owners, a geochemical soil sampling survey was conducted over parts of the Table and Ken claims. Analyses indicated very strong, local copper anomalies, associated with weak mineralization and a long, sinuous, north-trending anomaly showing some continuity, and considered worthy of further investigation. Subsequently, the geochemical soil sampling survey was extended and parts of the Table, Ken and Monty claims were geologically mapped. This work was undertaken during the period 28 July to 22 August 1972, and provided the data on which this report is based.

### Location, Access & Ownership

The property is comprised of eighty-six mineral claims, located in the headwaters of Winfield Creek, a tributary of the Telkwa River. It is centered at latitude  $54^{\circ}42'$  north, longitude  $127^{\circ}29'$  west, approximately thirteen miles west-southwest of Smithers. The property is owned by Copper Queen Explorations Ltd., with offices in Vancouver, B.C.

Best access is by helicopter from Smithers, but a rough jeep road provides dry-weather access from the village of Telkwa, a road distance of some 30 miles.

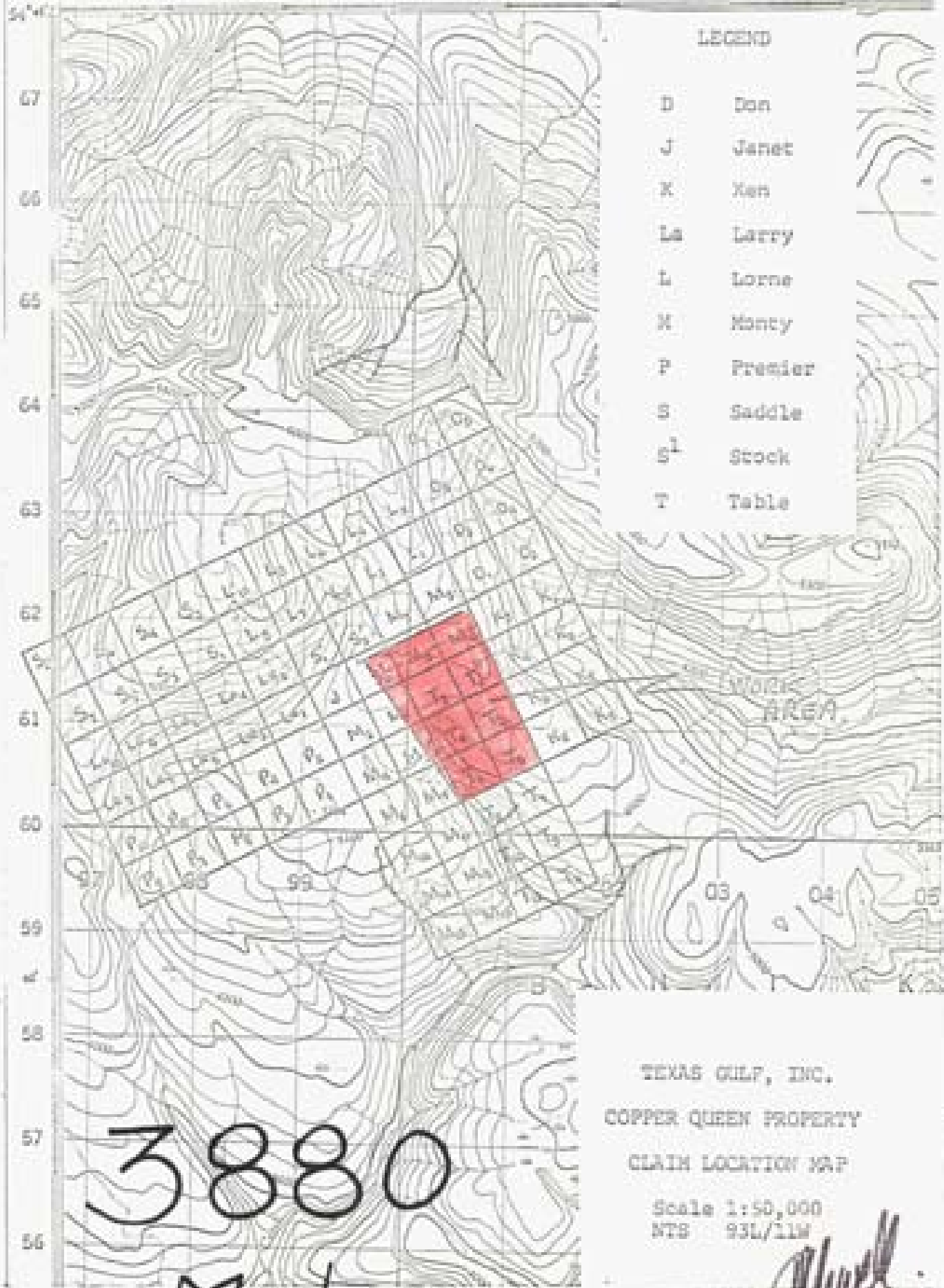
Property elevations vary from 4,500 to 5,600 feet and much of the claim group is above timber line.

### History and Previous Work

The original Copper Queen showing, an occurrence of high grade chalcocite mineralization, has been known since 1917. In more recent years the property has been explored by the present owners and work has included:

1. geological mapping
2. geochemical soil sampling
3. I.P. and E.M. surveys
4. extensive bulldozer stripping
5. diamond drilling (five holes)

A geochemical survey was completed by Texas Gulf in 1971.



LEGEND

- D Don
- J Janet
- K Ken
- La Larry
- L Lorne
- M Nancy
- P Premier
- S Saddle
- S<sup>1</sup> Stock
- T Table

WORK AREA

TEXAS GULF, INC.  
COPPER QUEEN PROPERTY

CLAIM LOCATION MAP

Scale 1:50,000  
NTS 93L/11W

3880

M-1

67  
66  
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Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **3880** M.P. **#1**

3880  
#1



## GEOLOGY

### Regional Geology

The property is underlain by a thick pile of volcanic rocks of the Jurassic-Cretaceous Hazelton group. This sequence includes volcanic flows, tuffs and agglomerates, ranging in composition from andesite to rhyolite, and also contains sedimentary sections. The closest intrusive rocks are located several miles to the north, on Hudson Bay Mountain.

### Property Geology

Geological mapping, at a scale of 400' to the inch, was confined to the Table 1-6 claims and parts of Monty 1, 3, 5, 8, 10 and Stock 2 claims. A chain and compass picket line grid trending 120° was established for control. Location of this grid was determined by anomalous copper values in soil samples taken by Texas Gulf, Inc. in August 1971. The same grid used in 1971 was relocated and extended to the north and west. Mineralized showings and trenches were mapped on a scale of 50' to the inch.

A series of volcanic rocks trends north to northeastwards through the property with strikes ranging from 350° to 030° and dips ranging from 20° to 40° east. The sequence is comprised largely of fine to coarse-grained, purple lithic and crystal tuffs, with lesser amounts of intercalated grey lithic tuff and buff, ashy, lithic and crystal tuffs. In the southwest grid area, porphyritic (sometimes amygdaloidal) andesites, containing phenocrysts of pink feldspar, form local topographic highs. Similar andesite flows, in the areas surrounding the property, are intercalated with tuffaceous and

fragmental rocks, but field evidence in the grid area is insufficient to determine whether these flows are conformable or disconformable in relation to the tuffs.

A banded, siliceous volcanic rock, varying from slightly purplish to grey to cream in colour, is present in the central to south central grid area, but could not be traced to the north. This siliceous unit is probably rhyolitic and exhibits both flow and tuffaceous textures. Weak copper mineralization, mainly as malachite, can be found in this unit at several locations. A soil sampling survey was conducted to test the possibilities for significant mineralization in this unit.

The old Copper Queen "high grade" showing was mapped on a scale of 50' to the inch. In 1917, seven tons of high grade copper ore were extracted from a narrow quartz vein occurring within a wider shear zone. An adit and shaft were completed at about that time, but are now badly caved in and inaccessible. The host rock is variable, light to dark grey siliceous lithic tuff, which has been heavily sheared. Purple lapilli tuffs, which in some places appear bedded, lie stratigraphically above and below the old workings. Mineralization in the form of chalcocite, malachite, minor chalcocopyrite and minor azurite was noted in fractures at the old shaft. Several faults are prominent in and around this shaft and specimens of fault breccia with chalcocite filling matrix can be seen. The mineralization in the fault zone is approximately five feet wide and appears to be restricted and controlled by faulting. Surrounding tuffs are barren of significant mineralization.

## GEOCHEMISTRY

### Field and Laboratory Methods

A soil survey conducted in 1971 indicated local anomalies in copper. The grid was extended to the west and north, and soil samples were collected at 100 foot intervals on the original grid lines spaced 400 feet apart, and new lines spaced 800 feet apart. In addition, fill-in soil sampling between lines 24S, 28S, 32S, 36S, 40S and 44S from 3W to 6W was completed in order to better define the local copper anomalies. A total of 205 soil samples and 13 rock chip samples were taken. Soil samples were taken from shallow holes dug with a mattock and "B" horizon material was collected where possible.

The samples were collected in Kraft paper envelopes and shipped to the Bondar-Clegg and Co. Ltd. laboratory in North Vancouver. Initially samples were analysed for total copper and silver. The silver results showed little variation and therefore subsequent samples were analysed for total copper only.

The analytical technique may be summarized as follows:

The samples are first dried and sieved to obtain the -80 mesh fraction. Contained metal is extracted from a weighed sample of this fraction, using Le Fort aqua regia. The resulting solutions are bulked to 20% acid concentration and analysed by atomic absorption spectrophotometry, in constant comparison with both synthetic and matrix standards. Results are expressed in parts per million total metal content.

### Discussion of Results

Inspection of the analytical results (see Appendix B) shows little variation in total silver values, and they are regarded as having little exploration significance. These results are therefore not plotted on the accompanying geochemical map, but sample numbers are plotted and analytical report sheets included in Appendix B.

The copper values are of greater interest. A histogram showing the distribution of total copper values, obtained from 343 samples collected in 1971 and 205 samples recently collected in 1972, indicates a background range of 3-40 ppm, with a peak distribution of 11-20 ppm. The threshold of interest is taken as 40 ppm, and values in excess of 80 ppm are considered anomalous. Both 1971 and 1972 copper values are plotted on the accompanying map and contoured at 40, 80, 160, 240 ppm representing threshold, third, second and first order anomalies.

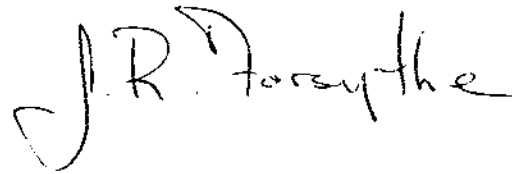
A plot of the copper values shows a scatter of eight, one or two-sample, first order soil anomalies with only weak support from lower order anomalies. The contoured values define rather small, discontinuous and patchy anomalous zones which show weak northerly and easterly trends. Many of the anomalous copper values fall within Unit 1 (see Geology Map), the banded siliceous volcanic rock. In the north grid area, where this unit was not found, anomalous copper values are conspicuously absent. The easterly trend corresponds roughly to fault directions in the central grid area. These results are therefore suggestive of weak copper mineralization related to faults and fractures in the banded siliceous volcanic unit.

A suite of 13 rock chip samples was selected from the various lithologic types exposed in the grid area. Care was taken to avoid known exposed mineralization in order to determine if any particular rock type contains anomalous copper values. These samples were analyzed geochemically for total copper, lead and zinc. The results are as follows:

| Sample No. | Rock Type                                | Remarks  | Total Metal Content in ppm |    |     |
|------------|--|--|----------------------------|----|-----|
|            |  |  | Cu                         | Pb | Zn  |
| 507        | Banded siliceous volcanic rock.          | No visible sulphides   | 10                         | 6  | 29  |
| 508        | Banded siliceous volcanic Rock.          | No visible sulphides   | 6                          | 4  | 17  |
| 509        | Grey lithic tuff                         | Minor limonite on fractures.                                     | 100                        | 5  | 84  |
| 510        | Grey-green andesite                      | Only slightly weathered, no visible sulphides.                   | 18                         | 14 | 380 |
| 511        | Grey-green andesite                      | - " -  | 6                          | 14 | 410 |
| 512        | Ashy lithic tuff                         | Sub outcrop  | 34                         | 6  | 53  |
| 513        | Ashy and banded siliceous volcanic rock. | Minor limonite stain on fractures                                | 114                        | 3  | 14  |
| 514        | - " -                                    | - " -  | 138                        | 3  | 9   |
| 515        | Banded siliceous volcanic rock.          | Traces of limonite   | 82                         | 4  | 11  |
| 516        | - " -                                    | No visible sulphides, slight traces of limonite.                 | 15                         | 12 | 13  |
| 517        | Purple lithic tuff                       | Red-yellow limonite stain  | 79                         | 22 | 240 |
| 518        | Purple lithic tuff                       | Some lithic fragments altered to limonite                        | 14                         | 10 | 88  |
| 519        | Ashy lithic tuff                         | No visible sulphides, some lithic fragments altered to limonite. | 8                          | 4  | 40  |

\*\* Note: Sample locations are plotted on the geology map

From these results it is interesting to note that the three outcrops sampled which returned the highest values in copper, all contain limonite stains on fracture surfaces. This again suggests that mineralization is fracture-controlled. This is supported by evidence exposed in the old Copper Queen "high grade" showings where chalcocite mineralization occurs in fault breccia.



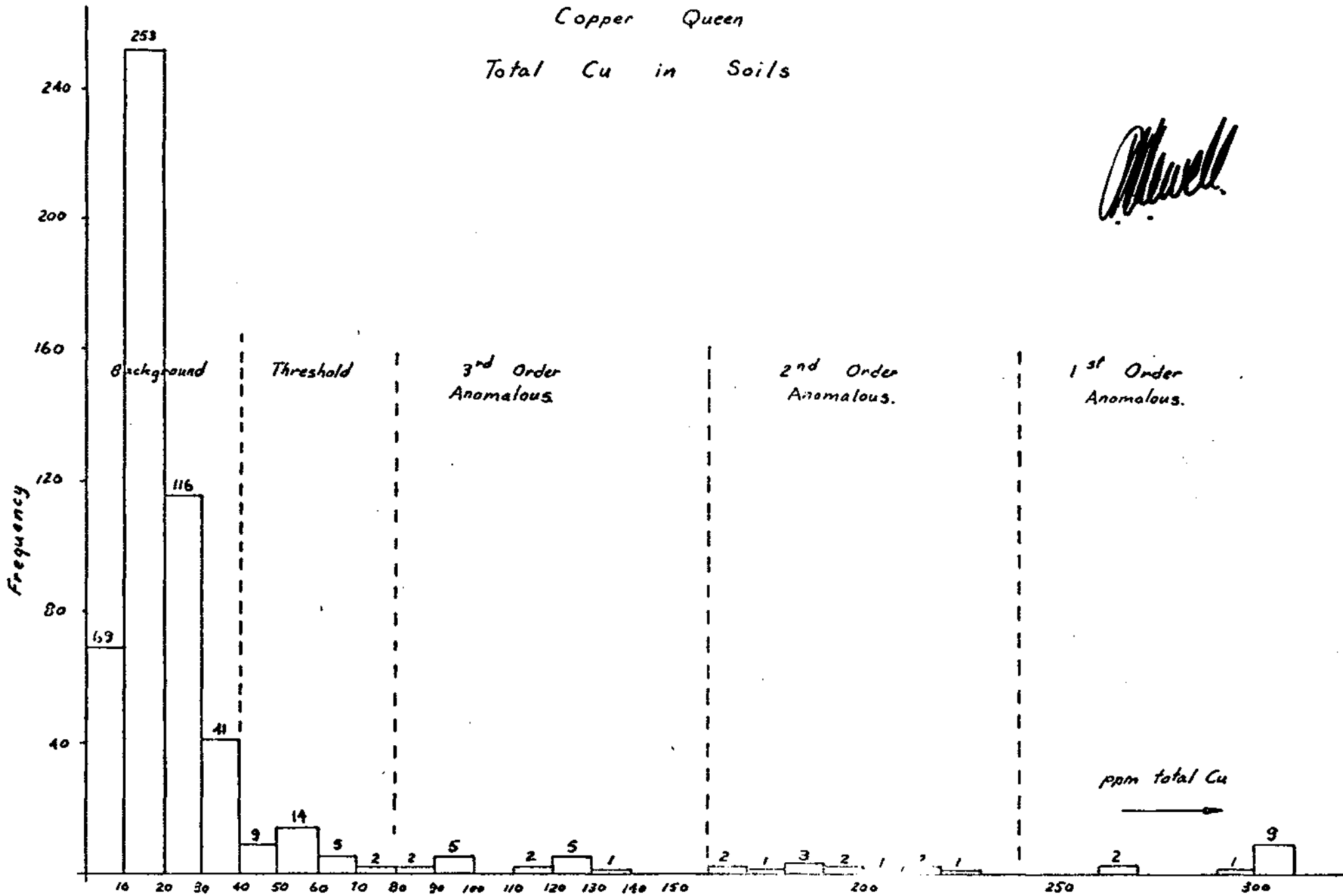
J.R. Forsythe

JRF:mcc



Copper Queen

Total Cu in Soils



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

**In the Matter of** Assessment work carried out on the Premier, Lorne and Ken Groups of Mineral Claims, situate on Winfield Creek, in the Omineca Mining Division.

I, John M. Newell

of 701-1281 West Georgia Street, Vancouver, B

in the Province of British Columbia, do solemnly declare that during the period 28 July to 22 August 1972, I caused assessment work to be done on the Premier, Lorne and Ken Groups of Mineral Claims, to the value of \$2350. The expenses were incurred as follows:-

Salaries and Benefits

|                                   |                    |        |
|-----------------------------------|--------------------|--------|
| B.D. Ratcliffe                    | 5 days @ \$25      |        |
| C.J. Rockingham                   | 5 days @ \$25      |        |
| D.B. Kilby, B.A.Sc.               | 7 days @ \$40      |        |
| J.R. Forsythe, B.Sc.              | 7 days @ \$50      |        |
| D.E. Esau                         | 8 days @ \$25      |        |
| W.B. Lennan                       | 8 days @ \$25      |        |
| J.M. Newell, P.Eng. (supervision) | 1 day @ \$100..... | \$1380 |

Geochemical Analyses

|  |        |
|--|--------|
| 116 samples for Cu and Ag @ \$1.50                             |        |
| 89 samples for Cu @ \$1.00                                     |        |
| 205 sample preparations @ \$ .20                               |        |
| 13 samples for Cu, Pb, Zn @ \$2.00                             |        |
| 13 sample preparations @ \$ .75.....                           | \$ 340 |
| <u>Room and Board</u> 40 man-days @ \$10.....                  | \$ 400 |
| <u>Transportation</u> Helicopter 30 mins., vehicle 8 days..... | \$ 230 |

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  
of VANCOUVER, B. C., in the  
Province of British Columbia, this  
AUG 25 1972, A.D.  
day of  
Sub-Mining Recorder

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



In the Matter of

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**Statutory Declaration**  
(CANADA EVIDENCE ACT)

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APPENDIX A

Statement of Qualifications

APPENDIX A

Statement of Qualifications

J.R. Forsythe obtained his B.Sc. degree in Geology, from the University of British Columbia, in 1968. Since that time he has been employed as an exploration geologist by Texas Gulf, Inc. (previously Texas Gulf Sulphur Company).

D.B. Kilby obtained his B.A.Sc. degree in Geological Engineering from the University of British Columbia in 1971. Prior to graduation he worked as a field assistant with Texas Gulf during three summer seasons. Since graduation he has been employed as an exploration geologist.

B.D. Ratcliffe, C.J. Rockingham, D.E. Esau, and W.B. Lennan are field assistants, employed by Texas Gulf, Inc. for from two to six field seasons. All are well trained, conscientious and competent in the exploration techniques employed on this property.



J.M. Newell, P.Eng.

APPENDIX B

Analytical Report Sheets

# CONDAR-CLEGG & COMPANY LTD.

1800 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 926-0881 TELEX: 04-54554

## Geochemical Lab Report

Extraction: HCl-HNO<sub>3</sub>  
 Method: Atomic Absorption  
 Fraction Used: -60 mesh

Report No. 22-293  
 From: TEXAS GULF, INC. (EST - 70)  
 Date: August 9, 1972 19\_\_

| SAMPLE NO. | Cu ppm | Zn ppm | Ag ppm |     | SAMPLE NO. | Cu ppm | Zn ppm | Ag ppm |     |
|------------|--------|--------|--------|-----|------------|--------|--------|--------|-----|
|            |        |        |        |     | II - 3434  | 12     | -      | 0.5    |     |
|            |        |        |        |     | 3435       | 13     | -      | 0.8    |     |
|            |        |        |        |     | 3436       | 18     | -      | 0.8    |     |
|            |        |        |        |     | 3437       | 8      | -      | 0.6    |     |
|            |        |        |        |     | 3438       | 13     | -      | 0.8    |     |
|            |        |        |        |     | 3439       | 15     | -      | 0.7    |     |
|            |        |        |        |     | 3440       | 14     | -      | 0.7    |     |
|            |        |        |        |     | 3441       | 18     | -      | 0.6    |     |
|            |        |        |        |     | 3442       | 27     | -      | 0.8    |     |
|            |        |        |        |     | 3443       | 8      | -      | 0.4    |     |
|            |        |        |        |     | 3444       | 8      | -      | 0.2    |     |
| ↓          | 3415   | 13     | -      | 0.6 | ↓          | 3445   | 6      | -      | 0.5 |
|            | 3416   | 24     | -      | 0.8 |            | 3446   | 9      | -      | 0.5 |
|            | 3417   | 12     | -      | 0.5 |            | 3447   | 11     | -      | 0.6 |
|            | 3418   | 14     | -      | 0.6 |            | 3448   | 14     | -      | 0.8 |
|            | 3419   | 6      | -      | 0.5 |            | 3449   | 9      | -      | 0.4 |
|            | 3420   | 12     | -      | 1.1 |            | 3450   | 4      | -      | 0.2 |
|            | 3421   | 3      | -      | 0.2 |            | 3451   | 30     | -      | 0.8 |
|            | 3422   | 10     | -      | 0.4 |            | 3452   | 10     | -      | 0.7 |
|            | 3423   | 15     | -      | 0.6 |            | 3453   | 9      | -      | 0.5 |
|            | 3424   | 13     | -      | 0.7 |            | 3454   | 17     | -      | 0.6 |
|            | 3425   | 13     | -      | 0.8 |            | 3455   | 25     | -      | 0.6 |
|            | 3426   | 19     | -      | 0.8 |            | 3456   | 18     | -      | 0.6 |
|            | 3427   | 24     | -      | 0.8 |            | 3457   | 4      | -      | 0.3 |
|            | 3428   | 5      | -      | 0.5 |            | 3458   | 6      | -      | 0.5 |
|            | 3429   | 13     | -      | 1.0 |            | 3459   | 15     | -      | 0.8 |
|            | 3430   | 21     | -      | 0.9 |            | 3460   | 11     | -      | 0.6 |
|            | 3431   | 14     | -      | 1.0 |            | 3461   | 24     | -      | 1.0 |
|            | 3432   | 4      | -      | 0.2 |            | 3462   | 56     | -      | 1.8 |
| II - 3433  | 14     | -      | 0.8    |     | II - 3463  | 10     | -      | 0.8    |     |

Geochemical Lab Report

Report No. 22-333

Page No. 2

| SAMPLE NO. | Ca<br>% | Zn<br>% | Ag<br>ppm |  |  |  | REMARKS        |
|------------|---------|---------|-----------|--|--|--|----------------|
| 3454       | 25      | -       | 0.9       |  |  |  |                |
| 3455       | 20      | -       | 0.7       |  |  |  |                |
| 3456       | 30      | -       | 0.8       |  |  |  |                |
| 3457       | 3       | -       | 0.5       |  |  |  |                |
| 3458       | 13      | -       | 0.6       |  |  |  |                |
| 3459       | 9       | -       | 0.6       |  |  |  |                |
| 3460       | 6       | -       | 0.5       |  |  |  |                |
| 3471       | 23      | -       | 1.0       |  |  |  |                |
| 3472       | 14      | -       | 1.0       |  |  |  |                |
| 3473       | 30      | -       | 1.5       |  |  |  |                |
| 3474       | 0       | -       | 0.3       |  |  |  |                |
| 3475       | 5       | -       | 0.2       |  |  |  |                |
| 3476       | 0       | -       | 0.5       |  |  |  |                |
| 3477       | 12      | -       | 0.7       |  |  |  |                |
| 3478       | 4       | -       | 0.5       |  |  |  |                |
| 3479       | 7       | -       | 0.6       |  |  |  |                |
| 3480       | 7       | -       | 0.4       |  |  |  |                |
| 3481       | 11      | -       | 0.5       |  |  |  |                |
| 3482       | 13      | -       | 0.6       |  |  |  |                |
| 3483       | 12      | -       | 0.5       |  |  |  |                |
| 3484       | 7       | -       | 0.4       |  |  |  |                |
| 3485       | 17      | -       | 0.9       |  |  |  |                |
| 3486       | 12      | -       | 0.9       |  |  |  |                |
| 3487       | 6       | -       | 0.7       |  |  |  |                |
| 3488       | 22      | -       | 0.7       |  |  |  |                |
| 3489       | 8       | -       | 0.6       |  |  |  |                |
| 3491       | 9       | 20      | 0.5       |  |  |  | ↑ Copper Queen |



# BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

## Geochemical Lab Report

Project No. EET-16

Extraction HCl-HNO<sub>3</sub>

Report No. 22-462

Method Atomic Absorption

From Texas Gulf, Inc.

Fraction Used \_\_\_\_\_

Date August 30, 1972 19\_\_

| SAMPLE NO. | Cu ppm | Pb ppm | Zn ppm | Ag ppm |
|------------|--------|--------|--------|--------|
| ROCKS 507  | 10     | 6      | 20     | ----   |
| 508        | 6      | 4      | 17     | ----   |
| 509        | 100    | 5      | 84     | ----   |
| 510        | 10     | 14     | 300    | ----   |
| 511        | 6      | 14     | 470    | ----   |
| 512        | 34     | 6      | 53     | ----   |
| 513        | 114    | 3      | 14     | ----   |
| 514        | 138    | 3      | 9      | ----   |
| 515        | 22     | 4      | 11     | ----   |
| 516        | 15     | 12     | 13     | ----   |
| 517        | 79     | 22     | 240    | ----   |
| 518        | 14     | 10     | 88     | ----   |

COPPER QUERIES

| SAMPLE NO. | Cu ppm | Pb ppm | Zn ppm | Ag ppm |
|------------|--------|--------|--------|--------|
| W-3523     | 70     | ----   | ----   | ----   |
| 3525       | 10     | ----   | ----   | ----   |
| 3526       | 12     | ----   | ----   | ----   |
| 3527       | 21     | ----   | ----   | ----   |
| 3528       | 10     | ----   | ----   | ----   |
| 3529       | 21     | ----   | ----   | ----   |
| 3530       | 15     | ----   | ----   | ----   |
| 3531       | 10     | ----   | ----   | ----   |
| 3532       | 32     | ----   | ----   | ----   |
| 3533       | 17     | ----   | ----   | ----   |
| 3534       | 10     | ----   | ----   | ----   |
| 3535       | 35     | ----   | ----   | ----   |
| 3536       | 21     | ----   | ----   | ----   |
| 3537       | 17     | ----   | ----   | ----   |
| W-3538     | 17     | ----   | ----   | ----   |

Copper Queries









LEGEND

- Banded Siliceous Volcanic - well developed shaly, gray banding, often with felsic fragments and small feldspars. Variable colour, light gray, purplish and dark gray.
- Ashy Tuffs - light gray to buff coloured, often with felsic fragments and feldspar crystals, occasionally banded.
- Purple Tuffs - variable lithic, lapilli and crystal tuffs, often bedded, some with small quartz eyes and fragments. Variable purple to purplish-gray coloured matrix.
- Gray Tuffs - variable lithic to lapilli tuffs with dark gray to gray-green matrix.
- Andesite Flows - massive, amygdaloidal to porphyritic with pink feldspars up to 1/4" length. Colour dominantly gray-green with lesser purplish gray.
- Dykes (P) - dark green coloured, highly chloritized, soft, altered rocks which appear to be cross-cutting in some cases.

SYMBOLS

- Outcrop or outcrop area.
- Geological Contact defined
- Geological contact inferred or assumed.
- Fault defined
- Fault inferred or assumed.
- Bedding altitude
- Fracture altitude
- Road or trench
- Pond
- Drainage

NOTE:  
 To accompany Geological and Geochemical Report by J. M. Newell and J. R. Forsythe on Title, Monty and Stock Mineral Claims, in the Omilce Mining Division, dated September, 1972



38880 M-2

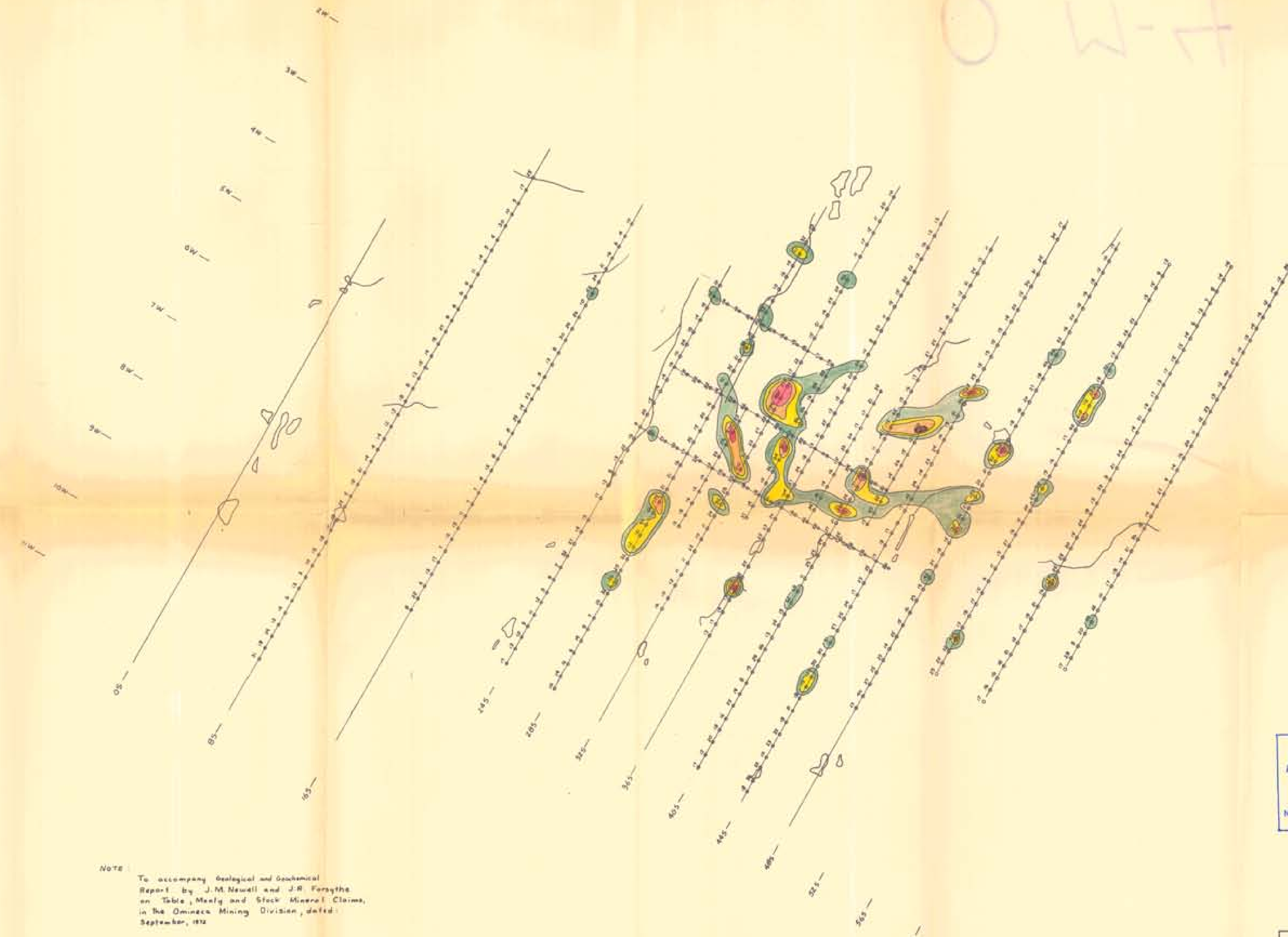
Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 3880 MAP #2



SCALE: ONE INCH = 400 FT

|                         |          |           |
|-------------------------|----------|-----------|
| TEXAS GULF SULPHUR CO.  |          |           |
| COPPER QUEEN<br>GEOLOGY |          |           |
| WORK BY                 | DRAWN BY | DATE      |
| JRF, OSK, BEE<br>BL     | OSK      | 4/9, 1972 |

O W - 7



LEGEND

- Background 0-40 ppm total Cu
- Threshold 41-80 ppm
- 3<sup>rd</sup> Order 81-160 ppm
- 2<sup>nd</sup> Order 161-240 ppm
- 1<sup>st</sup> Order >241 ppm

NOTE: To accompany Geological and Geochemical Report by J.M. Newell and J.R. Forsythe on Title, Mxly and Stock Mineral Claims, in the Omameca Mining Division, dated September, 1972

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3880 ALP #4



SCALE: ONE INCH = 400 FT

TEXAS GULF SULPHUR CO.

**COPPER QUEEN**  
SOIL GEOCHEMISTRY  
ppm total Cu

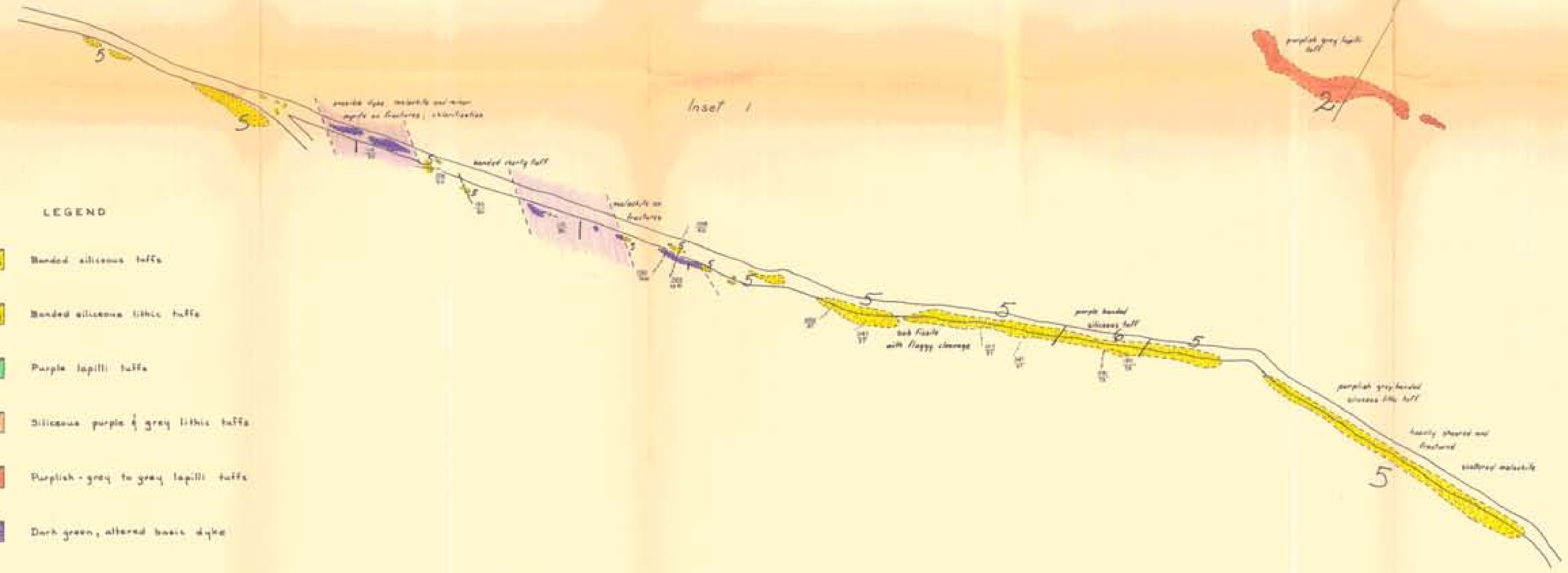
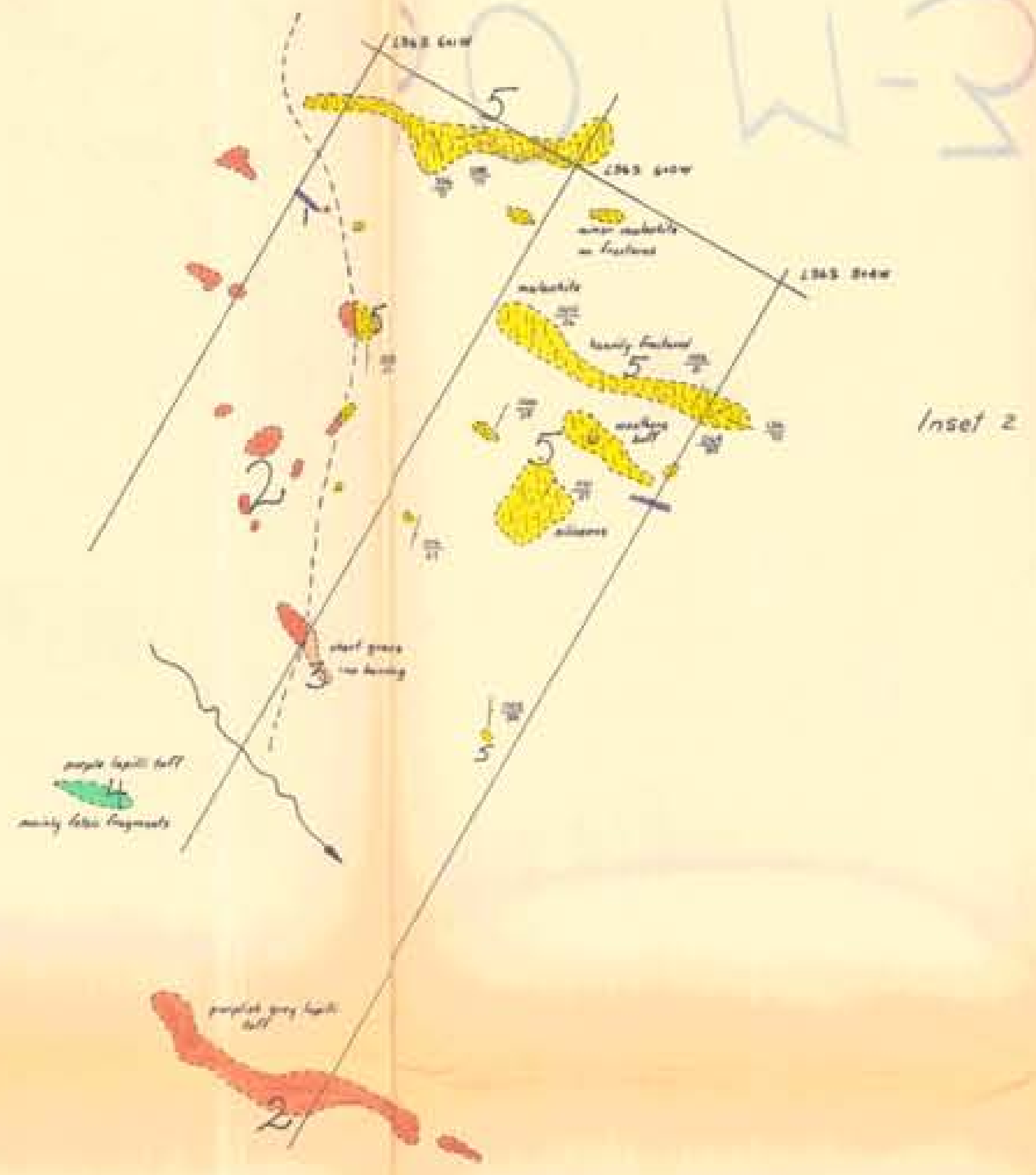
*Newell*

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| WORK BY<br>BA CR<br>OF BL | DRAWN BY<br>D.B.K. | DATE<br>AUG 1972 |
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LEGEND

- Banded siliceous tuffs
- Banded siliceous lithic tuffs
- Purple lapilli tuffs
- Siliceous purple & grey lithic tuffs
- Purplish-grey to grey lapilli tuffs
- Dark green, altered basic dyke

NOTE:  
 To accompany Geological and Geochemical Report  
 by J.M. Newell and J.R. Fereginis on Table,  
 Monty, and Stock Mineral Claims, in the Omineca  
 Mining Division, dated September, 1972.

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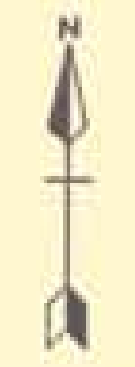
Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 3880 MAP #3

SCALE: ONE INCH = 50 FT.

TEXAS GULF SULPHUR CO.

COPPER QUEEN  
 GEOLOGY

| WORK BY | DRAWN BY | DATE      |
|---------|----------|-----------|
| JRF DBK | DBK      | AUG, 1972 |



*Newell*