

*geochemical*

REPORT ON  
THE  
FLAMINGO AND HUMMING BIRD CLAIMS  
POWELL RIVER AREA,  
VANCOUVER MINING DIVISION  
B.C.

LAT.  $50^{\circ} 05'$   
LONG.  $124^{\circ} 27'$

NTS 92 K/LW

For

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

11,884

CORINTH RESOURCES LTD.  
Suite 809 - 837 West Hastings Street  
Vancouver, B.C.

By

J.P. ELWELL ENGINEERING LTD.  
1026 - 510 West Hastings Street  
Vancouver, B.C.

January 28th, 1983

TABLE OF CONTENTS

|                                   | <u>Page</u> |
|-----------------------------------|-------------|
| SUMMARY.....                      | 1           |
| INTRODUCTION.....                 | 3           |
| LOCATION AND ACCESS.....          | 3           |
| TOPOGRAPHY, TIMBER, ETC.....      | 4           |
| PROPERTY.....                     | 4           |
| EARLY HISTORY.....                | 4           |
| GENERAL AND ECONOMIC GEOLOGY..... | 5           |
| DESCRIPTION OF THE PROPERTY.....  | 6           |
| RECENT EXPLORATION.....           | 7           |
| DISCUSSION OF RESULTS.....        | 8           |
| CONCLUSIONS.....                  | 9           |
| RECOMMENDATIONS.....              | 10          |
| ESTIMATE OF COSTS.....            | 11          |
|                                   | 12          |

APPENDICES

Copies of geochem results

MAPS

- Location Map of Flamingo & Humming Bird Claims..follows p. 4
- Figure 1. - Sketch Plan of Surface and  
Underground Workings.....follows p. 6
- Figure 2. - Plan of Upper adit showing Sample Location p. 6
- Figure 3. - Sketch Section Through Trenches.....follows p. 6
- Figure 4. - Magnetometer Survey..... in pocket
- Figure 5. - Geochem Survey - Copper.....in pocket
- Figure 6. - Geochem Survey - Silver.....in pocket

APPENDIX 1

Statement of costs

APPENDIX 2

Magnetometer data and geochem. process

REPORT ON THE FLAMINGO AND  
HUMMING BIRD CLAIMS, POWELL RIVER AREA,  
VANCOUVER MINING DIVISION, B.C.

SUMMARY

The Flamingo and Humming Bird claims are located on Goat Island in Powell Lake in the Vancouver Mining Division. Access to the property is by helicopter onto the main mineral showing at elevation 1000 feet, or by road to Powell River and by boat up the lake to Goat Island.

The property dates from the mid 1920's when 140 tons of copper-silver ore, assaying Cu 8 to 11%, Ag 7 to 20 oz/ton was shipped to smelter. In 1928, Romana Copper Ltd. carried out some trenching, and in 1929 and 1930, about 600 feet of drifting and cross cutting was done in two adits below the main outcrop. The upper tunnel exposed several showings of massive sulphides but the lower tunnel never reached the mineral zone.

Geologically, the area of interest is a wide band of metasediments and volcanics enclosed by Coast Range granodiorite. Within the metasediments is a belt about 130 feet wide of contact metamorphic minerals including garnite, epidote, etc., in which massive sulphides, mainly pyrite, chalcopryite, occur as pods, lenses and veins. Recent sampling has indicated values up to 17% Cu and 9 oz/ton Ag, but there appears to be no constant Au-Ag ratio.

In early January, 1983, Corinth Resources conducted a magnetometer and geochemical survey over the assumed strike of the metasediments. These surveys produced one strong magnetic anomaly and several other anomalies of lesser extent.

A number of copper and silver anomalies were located of limited extent but there appeared to be no correlation between the magnetometer and geochem results.

A Pulse EM survey is recommended for the same grid lines. If this survey defines any strong conductors, they should be investigated by diamond drilling.

The first phase of work is estimated at \$17,000.00 and the drilling phase, if justified, at \$22,000.00 for a total of \$49,000.00.

## INTRODUCTION

On December 28th 1982, the writer, accompanied by Mr. Dean de la Mothe, examined and sampled the mineral showing and underground workings on the HummingBird reverted Crown Grant claim located on Goat Island in Powell Lake near Powell River, B.C. Previous to the examination, Mr. de la Mothe had staked the Flamingo claim of 20 metric units over the Crown Grant and surrounding area, and had prospected, sampled and mapped the mineral showings. In addition, a helicopter landing site had been prepared at elevation 1000 feet near the main trenches.

On the basis of the results of the preliminary sampling, a magnetometric and geochemical survey was conducted over the part of the claim area considered favourable for mineralization.

This report, which is an evaluation of the results of the work to date was prepared for Corinth Resources Ltd., Suite 809 - 837 West Hastings Street, Vancouver, B.C. V0C 2V9.

## LOCATION AND ACCESS

The Flamingo claim of 20 metric units is located on the north side of Goat Island which lies near the southwest end of Powell Lake in the Vancouver Mining Division of B.C. The geographic center of the HummingBird reverted Crown Grant which lies within the located claim, and on which the principal known mineral showings are located, would be approximately Lat.  $50^{\circ}05'N$ , Long.  $124^{\circ}26'30''W$ .

Access to the property is by helicopter to the prepared landing site on Goat Island near the main showings, or alternatively, by road to Powell River, and by boat from the south end of Powell Lake to Goat Island. The distance from Powell River to Goat Island would be about 15 miles.

A location map accompanies this report.

#### TOPOGRAPHY, TIMBER, ETC.

The north side of Goat Island on which the claims are located rises precipitously from the lake level of about 183 feet to a maximum height of 2249 feet at the crest of a hill in the southeast part of the claim. The east side of the claim rises steeply from the water to about 600 feet then moderates to a valley rising to a maximum of about 1100 feet.

There is a little mature timber in the area examined. but there is a quite dense cover of second growth fir and cedar. There is no evidence of previous logging operations on this part of the stand, but a few old burnt snags suggest the area may have been burnt off in the past. Except for the rock bluffs, overburden cover is complete.

#### PROPERTY

The property consists of 2 claims on Goat Island in the Vancouver Mining Division as follows:

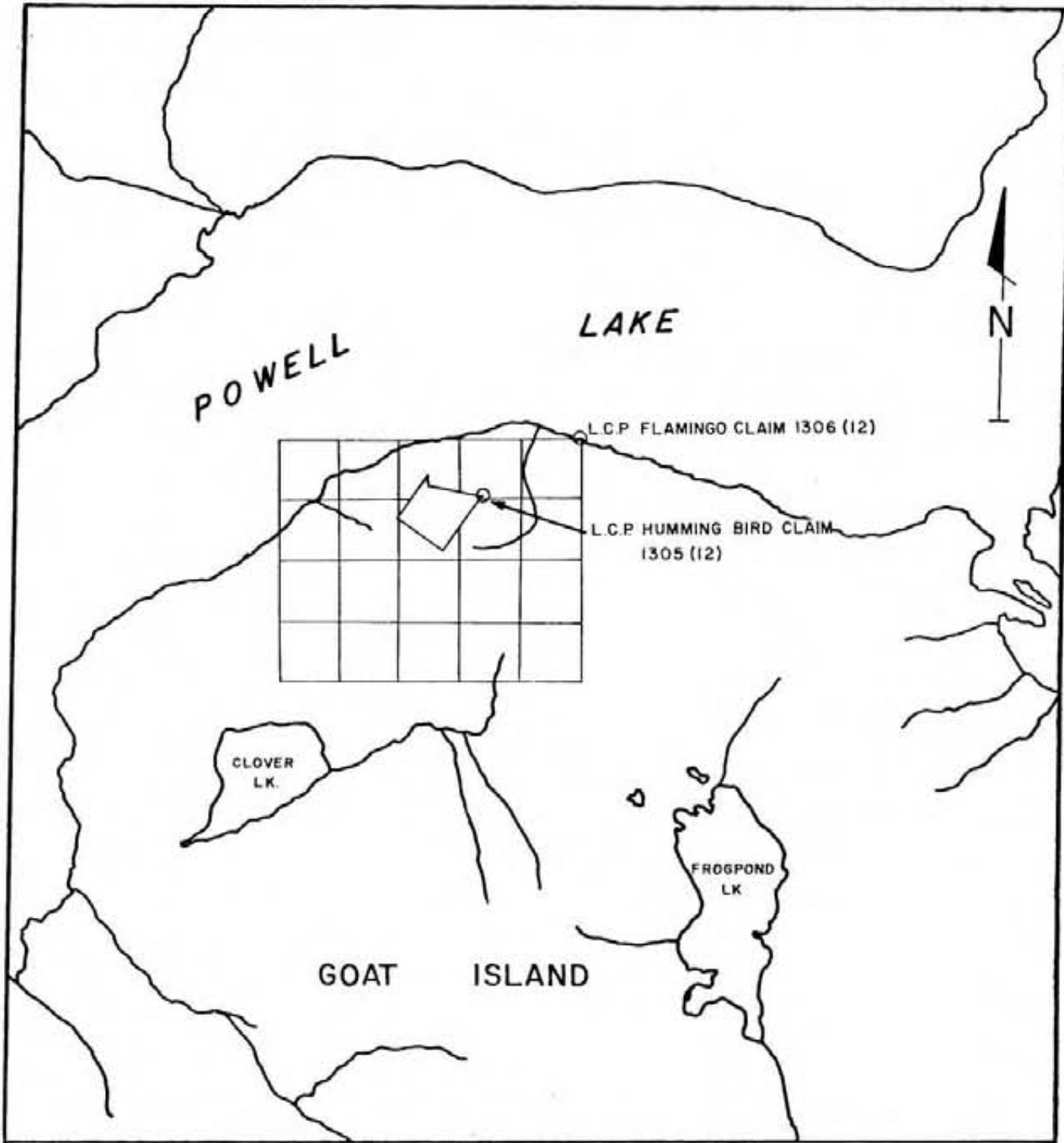
Flamingo (20 units) Rec. No. 1306, December 15th, 1982.

HummingBird Reverted C.G. Rec. No. 1305 December 8th, 1982.

#### EARLY HISTORY

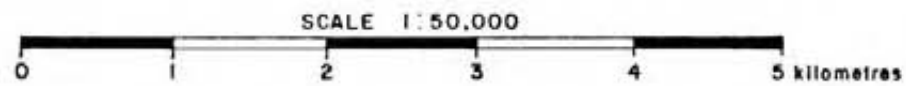
The previous mining and exploration on the ground now held is covered in the B.C. Minister of Mines Reports for 1928, 1929 and 1930, from which the following has been summarized:

During the mid 1920's some deep cuts had been made across the face of the rock bluff at about elevation 1000 feet, and from one deep trench, it is reported that about 140 tons



# CORINTH RESOURCES LTD.

Location Map - Flamingo & Humming Bird Claims



92 K/IW VANCOUVER MINING DISTRICT, B.C.

JANUARY 1983

J.P.ELWELL ENGINEERING LTD.

of ore was mined and shipped which assayed Cu 8% to 11%, Ag 7 to 20 oz/ton, Au about \$.60/ton.

In 1920 Romana Copper Ltd. was formed with the intention of exploring and developing additional bodies of copper-silver ore. A single cable tramway was constructed from the rock bluff at 1000 ft. elevation to the lake, and a camp was established. The property at this time consisted of 9 claims, one of which, the Humming Bird was Crown Granted.

The 1929 report mentions some additional trenching of the chalcopyrite, and a tunnel was driven from the cliff face 80 feet below the main outcrops for a distance of 130 feet with a 63 foot crosscut at the end. These workings encountered several veins and other occurrences of copper mineralization which were considered to be the downward extension of the surface showings.

A second tunnel was started about 380 feet below the first tunnel and driven for 400 feet at which point it was estimated to be from 40 to 50 feet west of the downward extension of the surface ore. Work was suspended, and there are no further mention of Romana Copper Ltd. in the Minister of Mines Reports subsequent to this 1930 report.

#### GENERAL AND ECONOMIC GEOLOGY

As described in the Minister of Mines Reports, and observed during the recent examinations, the area of interest consists of a belt about 300 feet wide of highly altered volcanic and sedimentary rocks enclosed by the Coast Range granodiorites. The apparent strike of the belt is about  $220^{\circ}$ . Within this volcanic and sedimentary belt is a contact metamorphic belt of 100 feet or more in width with



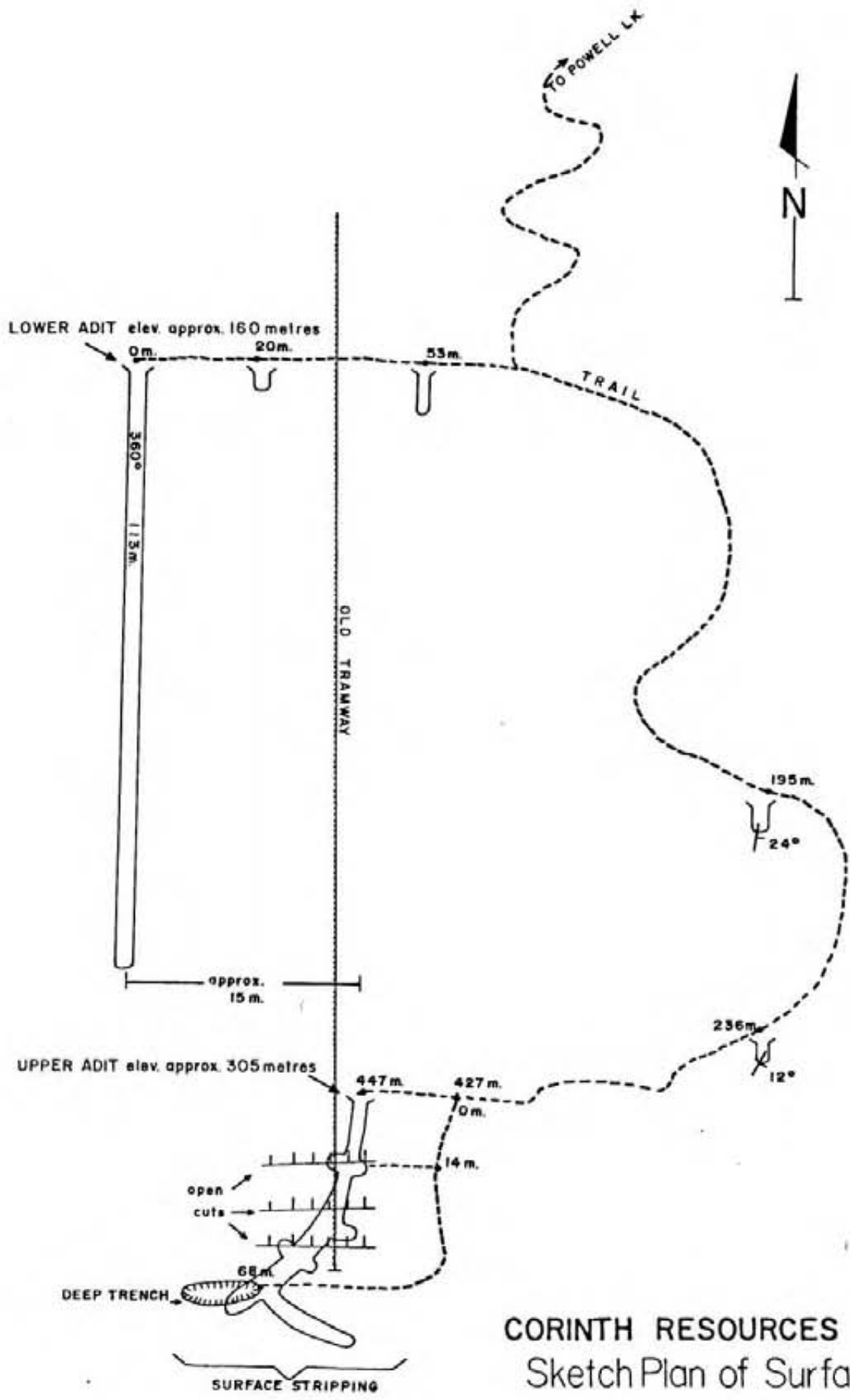
garnetite, epidote, etc., containing lenses, veins and masses of chalcopyrite, pyrite and minor magnetite carrying variable silver values.

#### DESCRIPTION OF THE PROPERTY

Previous to the examination by the writer, Mr. de la Mothe had spent three days on the property prospecting and locating the mineral showings mentioned in the M.M. Reports. All the trenches and adits were located, and a chain and compass survey was made along the trail to tie the various showings to their location in plan and elevation. The upper adit was surveyed and found to conform with G.A. Clothier's sketch in the 1929 M.M. Report. The lower adit at approximate elevation 525 feet, runs on a bearing of  $360^{\circ}$  for 113m and is still short of the downward projection of the surface showings.

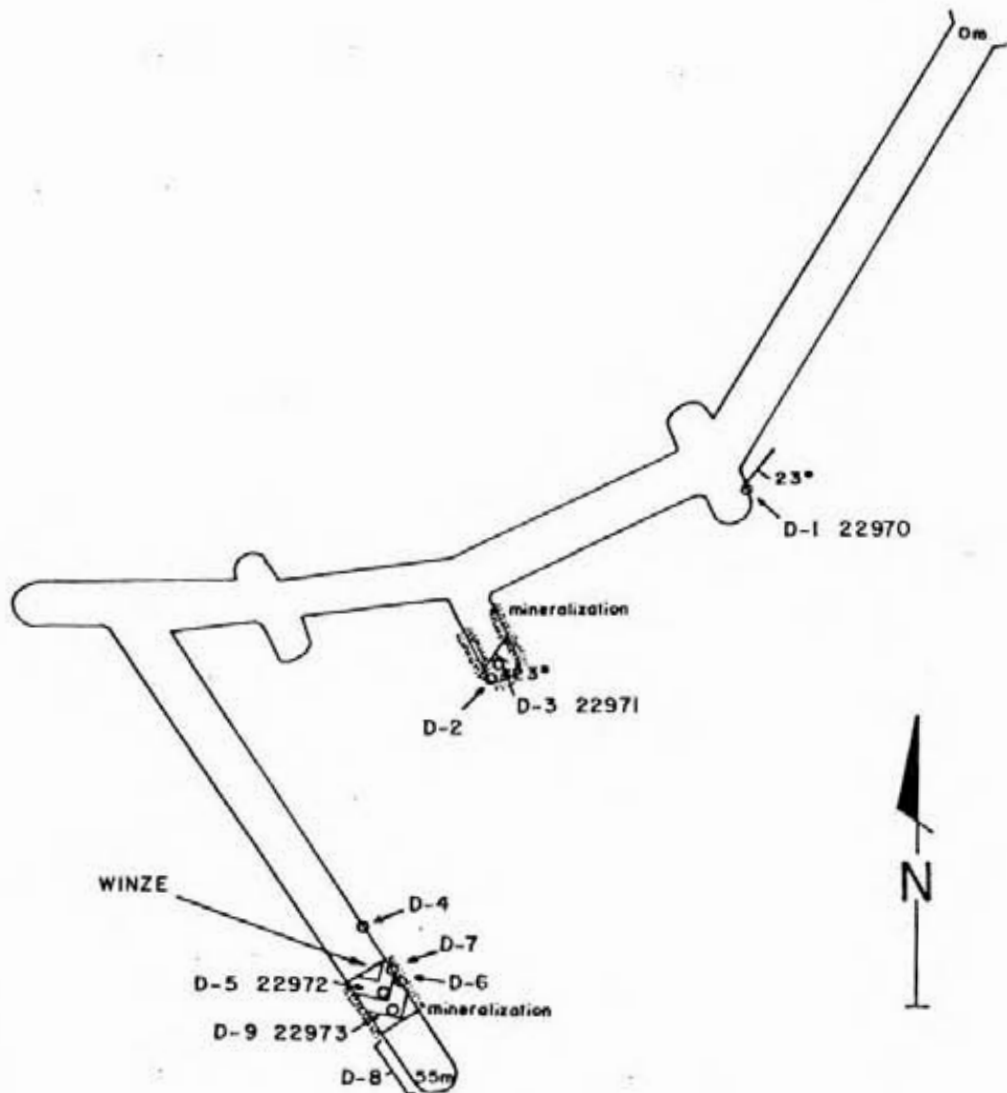
Accompanying this report are three plans and sections of the work map based on the chain and compass surveys. Fig.1 is a surface plan showing all the known trenches, pits, adits, etc. Fig.2 is a detail plan of the upper adit showing the mineralization and sample locations, and Fig.3 is a vertical section from the upper adit to the top trench.

During the visit to the property December 28th 1982, the writer inspected the upper adit and surface trenches in some detail. The country rock consists mainly of epidotized volcanics and altered limy sediments. Mineralization, which is manifested by rusty zones and malachite stain, consists of pods, streaks, and lenses of massive sulphides composed of varying proportions of pyrite and chalcopyrite. Most samples were moderately magnetic, and magnetite was identified in some specimens.



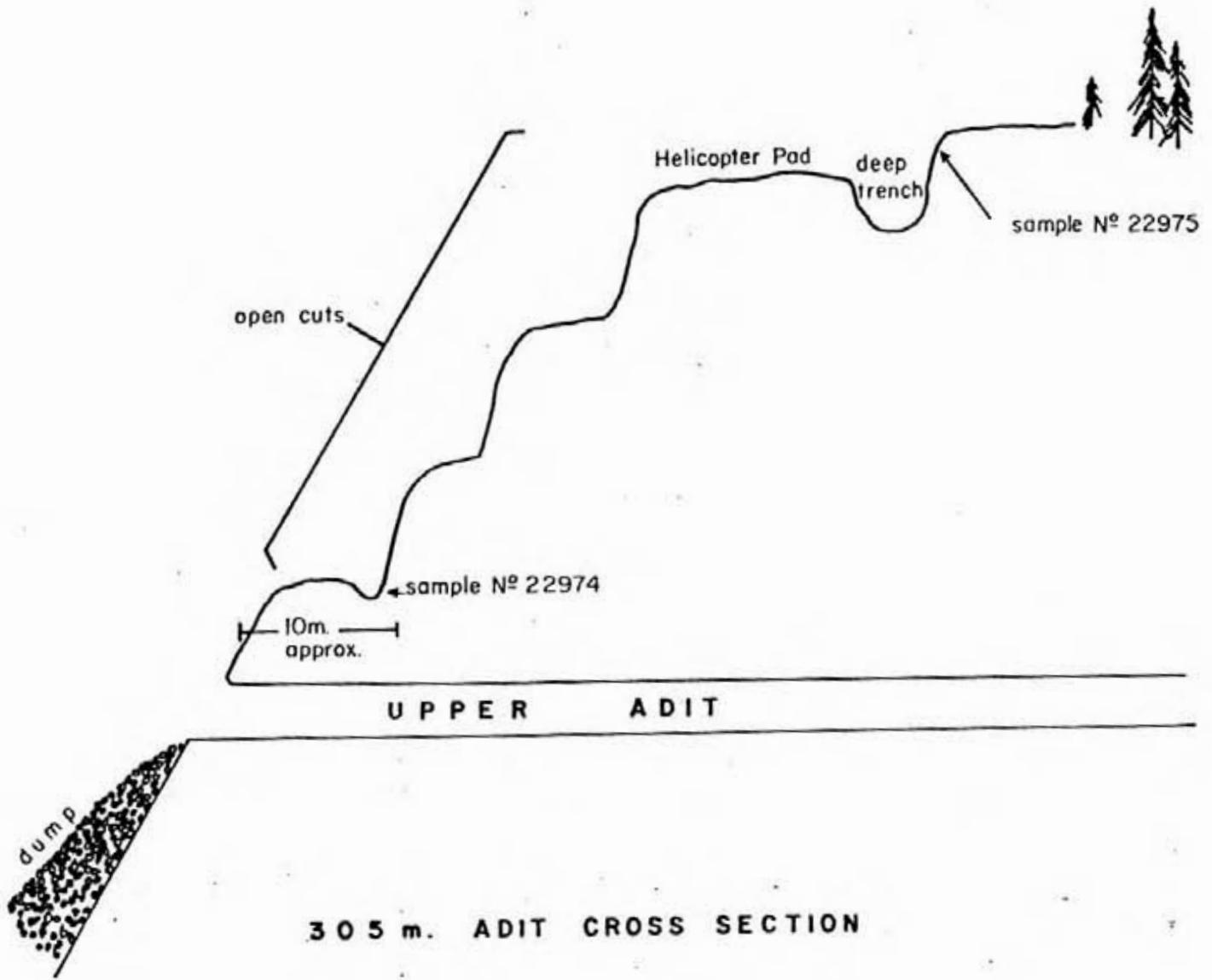
**CORINTH RESOURCES LTD.**  
 Sketch Plan of Surface  
 and Underground Workings  
 figure 1

NOT TO SCALE  
**JAN.1983 J.PELWELL ENGINEERING LTD.**



Survey by : D.DELA MOTHE , Dec.12,1982

**CORINTH RESOURCES LTD.**  
 Plan of Upper Adit  
 Showing Sample Locations  
 figure 2



CORINTH RESOURCES LTD.

Sketch Section  
Through Trenches  
figure 3

NOT TO SCALE  
JAN 1983 J.PELWELL ENGINEERING LTD.

SAMPLING

Mr. de la Mothe had taken 10 samples (D-1 to D-10) from various mineral showings, and the writer took an additional 6 check samples, all of which were assayed by Chemex Labs. Ltd. for copper, silver and gold. The results are tabulated below:

| <u>SAMPLE NO.</u> | <u>Cu%</u> | <u>Ag oz/ton</u> | <u>Au oz/ton</u> | <u>Description</u>                                    |
|-------------------|------------|------------------|------------------|-------------------------------------------------------|
| D-1               | 0.06       | 0.02             | 0.003            | Chip, 10cm 1st X-cut                                  |
| D-2               | 3.85       | 3.62             | 0.003            | Chip, 2nd X-cut, W. side                              |
| D-3               | 4.00       | 0.24             | 0.003            | Chip, 2nd X-cut, E. side                              |
| D-4               | 14.60      | 1.14             | 0.003            | Floor, 3rd X-cut                                      |
| D-5               | 11.00      | 1.46             | 0.003            | Rep. samples cut from<br>wall of winze,<br>3rd X-cut. |
| D-6               | 7.00       | 9.38             | 0.005            |                                                       |
| D-7               | 1.12       | 0.26             | 0.003            |                                                       |
| D-8               | 1.42       | 1.20             | 0.003            | Floor, end of 3rd X-cut.                              |
| D-9               | 9.62       | 0.94             | 0.003            | " " "                                                 |
| D-10              | 9.81       | 4.58             | 0.005            | S Wall of deep trench.                                |
| 22970             | 0.13       | 0.10             | 0.003            | Chip- check of D-1                                    |
| 22971             | 3.60       | 0.10             | 0.003            | Check- check of D-2, D-3                              |
| 22972             | 12.40      | 0.95             | 0.005            | Chip- check of D-5, D-6, D-7                          |
| 22973             | 10.30      | 1.06             | 0.003            | Grab- muckpile winze                                  |
| 22974             | 8.10       | 0.46             | 0.003            | Grab- 1st trench above adit                           |
| 22975             | 17.40      | 9.34             | 0.012            | Chip- check of D-10                                   |

The main conclusions that can be drawn from the above sample results are (a) there is no definite copper-silver ratio, (b) the best silver values seem to occur in the big cut from which the previous ore shipments were made, and (c) gold values are consistently low. The low silver values obtained from all the adit samples with the exception of D-6, in relation to the sample from the deep trench suggest that the silver may be of secondary enrichment origin, but some petrographic studies would be required to substantiate this theory.

RECENT EXPLORATION

As some of the mineral examined showed moderate magnetic susceptibility, it was decided that a magnetometer survey might be the most practical method of tracing the belt

of altered rocks through the intrusives, and also picking up any near surface concentrations of sulphides. In conjunction with this, a geochemical survey with analysis for copper and silver would be run over the same grid lines.

Mr. de la Mothe, with two helpers, conducted these surveys during early January, 1983. A 700 metre base line was run on a bearing of  $220^{\circ}$  from the edge of the deep trench to near the crest of the hill, the line following a natural topographic ridge. Cross lines were run normal to the base line at 50m intervals and flagged with 10m stations. The magnetometer survey was conducted with a GEOMETRICS G-826 instrument and soil samples were taken from the "B" horizon where ever possible, and analysed by the hot extraction method for copper and silver.

#### DISCUSSION OF RESULTS

##### A. Magnetic Survey

Magnetometer readings were taken at 20m intervals along the cross lines, with intermediate lines and station readings as shown on the 1:1000 plan (Fig.4).

The principal magnetic anomaly is located along the base line between lines 2 + 75S to 4 + 50S with the magnetic peaks occurring at each end with a maximum of 10034 g. at 3 + 00S, 0 + 10W.

Small magnetic highs occur at 4 + 00S, 1 + 60E; 6 + 50S, 1 + 40W; 6 + 50S, 0 + 60W. Two moderate magnetic lows occur on lines 2 + 75S and 3 + 25S and which flank the principal anomaly to the east of the base line.

no significantly high magnetic readings were recorded on

0 + 00S either side of the base line where the best surface exposure of copper-silver mineralization occurs.

#### B. Geochem Survey

The average of all the copper values obtained was 59.8 ppm and anomalous values are considered to be those above 75% of 2x average or about 90 ppm. A total of 103 samples were taken and have been plotted on the same base as the magnetometer survey (Fig.5).

No extensive anomalous zones resulted from the survey, but there are a number of spot values which are well above average and may represent surface pods or lenses of chalcopyrite. It will be noted that the highest copper value occurs at B.L. + 00 at the edge of the deep trench where the best surface samples were obtained.

Figure 6 is a plot of the silver values above 0.1 ppm which was considered background. Again, an extremely high value occurs at B.L. + 00 which coincides with the copper value, and another coincident copper-silver anomaly occurs at 1 + 00S, 1 + 20E where there is a reading of Au 700 ppm Ag 0.7 ppm.

#### CONCLUSIONS

Although the magnetometer survey did not produce any large well defined anomalies with the exception of the one which straddles the base line from 2 + 75S to 4 + 50S (175m in length), it does follow closely the inferred strike of the contact metamorphic belt in the metasediments, and the lack of correlation between the mag. highs and the anomalous copper and silver values may be due to the fact that the copper-silver mineralization may be in blind lenses or bodies and so would not be detected by the geochem sampling.

The results of the work done to date however, together with the underground and surface trenches warrant further investigations by other geophysical methods to detect some specific targets to be tested by diamond drilling.

### RECOMMENDATIONS

#### Phase I

1. Conduct a Pulse EM survey over the ground covered by the existing grid. This method is considered to be one of the most effective geophysical tools to locate and identify buried massive sulphide bodies.
2. Concurrently with (1), some further prospecting and hand trenching should be carried out to identify the underlying rock types and contacts.

#### Phase II

1. If the Phase I survey results in confirmed conductors which are considered to possibly represent massive sulphide bodies of copper-silver mineralization, the conductors should be probed by diamond drilling, using a light weight, helicopter portable rig.
2. Further work will be contingent on the results achieved from the above.



ESTIMATE OF COSTS

Phase I

|                                                                                                                                 |                 |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1. Pulse EM survey - 14 lines of 900m -<br>@ 50m spacing, estimated<br>total cost, including mobilization<br>and demobilization | \$ 8,000.00     |
| 2. Allowance for further<br>prospecting, trenching, etc.                                                                        | 3,000.00        |
| 3. Engineering, administration, etc.                                                                                            | 4,000.00        |
| 4. Contingencies                                                                                                                | <u>2,000.00</u> |
| Total, Phase I                                                                                                                  | \$17,000.00     |

Phase II

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| 1. Initial test drilling - allow<br>500 ft. @\$30/foot | 15,000.00       |
| 2. Mobilization and<br>demobilization of drill         | 2,000.00        |
| 3. Supervision, engineering,<br>assaying, etc.         | 3,000.00        |
| 4. Contingencies                                       | <u>2,000.00</u> |
| Total, Phase II                                        | \$22,000.00     |

January 28th, 1983

  
J.P. ELWELL, P.Eng.

CERTIFICATE

I, James Paul Elwell, of 4744 Caulfield Drive, West Vancouver, B.C., do hereby certify that:

1. I am a Consulting Mining Engineer residing at 4744 Caulfield Drive, West Vancouver, B.C., and with an office at 1026 - 510 West Hastings Street, Vancouver, B.C. V6B 1L8.
2. I am a graduate in Mining Engineering from the University of Alberta in 1940, and am a Registered Professional Engineer in the Province of British Columbia.
3. I have no personal interest directly or indirectly in the properties examined or Corinth Resources Ltd., securities, nor do I expect to receive directly or indirectly any interest in such property or securities.
4. The findings in the report are derived from data acknowledged and from a personal examination of the property on December 28th, 1982.
5. The full text of the report and accompanying maps may be reproduced in the Company's Prospectus or Statement of Material Facts.

DATED at VANCOUVER, B.C. this 28th day of January, 1983.

  
JAMES PAUL ELWELL, P.Eng.



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : ELWELL, MR. J.P.

1026 - 510 W. HASTINGS STREET  
VANCOUVER, B.C.  
V6B 1L8

CERT. # : A8310126-001-A  
INVOICE # : I8310126  
DATE : 21-JAN-83  
P.O. # : NONE

### APPENDIX

| Sample description | Prep code | Cu ppm | Ag ppm |    |    |    |    |
|--------------------|-----------|--------|--------|----|----|----|----|
| L0+00 0+00         | 201       | 2150   | 9.6    | -- | -- | -- | -- |
| L0+00 0+40E        | 201       | 18     | 0.1    | -- | -- | -- | -- |
| L0+00 0+80E        | 201       | 19     | 0.1    | -- | -- | -- | -- |
| L0+00 1+20E        | 201       | 9      | 0.1    | -- | -- | -- | -- |
| L0+00 1+60E        | 201       | 54     | 1.0    | -- | -- | -- | -- |
| L0+00 2+00E        | 201       | 19     | 0.1    | -- | -- | -- | -- |
| L0+00 0+40W        | 201       | 94     | 0.1    | -- | -- | -- | -- |
| L1+00S 0+00        | 201       | 11     | 0.1    | -- | -- | -- | -- |
| L1+00S 0+40E       | 201       | 3      | 0.1    | -- | -- | -- | -- |
| L1+00S 0+80E       | 201       | 3      | 0.1    | -- | -- | -- | -- |
| L1+00S 1+20E       | 201       | 700    | 0.7    | -- | -- | -- | -- |
| L1+00S 1+60E       | 201       | 17     | 0.1    | -- | -- | -- | -- |
| L1+00S 2+00E       | 201       | 65     | 0.2    | -- | -- | -- | -- |
| L1+00S 0+40W       | 201       | 5      | 0.1    | -- | -- | -- | -- |
| L1+00S 0+80W       | 201       | 88     | 0.1    | -- | -- | -- | -- |
| L1+75S 0+00        | 201       | 4      | 0.1    | -- | -- | -- | -- |
| L1+75S 0+20E       | 201       | 265    | 0.1    | -- | -- | -- | -- |
| L1+75S 0+40E       | 201       | 118    | 0.1    | -- | -- | -- | -- |
| L1+75S 0+60E       | 201       | 31     | 0.1    | -- | -- | -- | -- |
| L1+75S 0+80E       | 201       | 79     | 0.1    | -- | -- | -- | -- |
| L1+75S 1+00E       | 201       | 36     | 0.1    | -- | -- | -- | -- |
| L1+75S 1+20E       | 201       | 19     | 0.1    | -- | -- | -- | -- |
| L1+75S 0+20W       | 201       | 22     | 0.1    | -- | -- | -- | -- |
| L1+75S 0+40W       | 201       | 195    | 0.1    | -- | -- | -- | -- |
| L2+00S 0+00        | 201       | 8      | 0.1    | -- | -- | -- | -- |
| L2+00S 0+80E       | 201       | 250    | 0.1    | -- | -- | -- | -- |
| L2+00S 1+20E       | 201       | 36     | 0.1    | -- | -- | -- | -- |
| L2+00S 1+60E       | 201       | 32     | 0.1    | -- | -- | -- | -- |
| L2+00S 2+00E       | 201       | 49     | 0.3    | -- | -- | -- | -- |
| L2+00S 0+40W       | 201       | 18     | 0.1    | -- | -- | -- | -- |
| L2+25S 0+00        | 201       | 44     | 0.2    | -- | -- | -- | -- |
| L2+25S 0+20E       | 201       | 8      | 0.1    | -- | -- | -- | -- |
| L2+25S 0+40E       | 201       | 55     | 0.1    | -- | -- | -- | -- |
| L2+25S 0+60E       | 201       | 57     | 0.2    | -- | -- | -- | -- |
| L2+25S 0+80E       | 201       | 43     | 0.1    | -- | -- | -- | -- |
| L2+25S 1+00E       | 201       | 41     | 0.1    | -- | -- | -- | -- |
| L2+25S 1+20E       | 201       | 22     | 0.1    | -- | -- | -- | -- |
| L2+25S 0+20W       | 201       | 21     | 0.2    | -- | -- | -- | -- |
| L2+75S 0+00        | 201       | 8      | 0.2    | -- | -- | -- | -- |
| L2+75S 0+20E       | 201       | 8      | 0.1    | -- | -- | -- | -- |



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : ELWELL, MR. J.P.

1026 - 510 W. HASTINGS STREET  
VANCOUVER, B.C.  
V6B 1L8

CERT. # : A8310126-002-A  
INVOICE # : 18310126  
DATE : 21-JAN-83  
P.O. # : NONE

| Sample description       | Prep code      | Cu ppm       | Ag ppm         |               |               |               |               |
|--------------------------|----------------|--------------|----------------|---------------|---------------|---------------|---------------|
| L2+75S 0+40E             | 201            | 6            | 0.1            | --            | --            | --            | --            |
| L2+75S 0+60E             | 201            | 11           | 0.1            | --            | --            | --            | --            |
| L2+75S 0+20W             | 201            | 4            | 0.1            | --            | --            | --            | --            |
| L3+00S 0+00              | 201            | 18           | 0.1            | --            | --            | --            | --            |
| L3+00S 0+40E W           | 201            | 29           | 0.1            | --            | --            | --            | --            |
| L3+00S 0+40E             | 201            | 8            | 0.1            | --            | --            | --            | --            |
| L3+00S 0+80E             | 201            | 20           | 0.1            | --            | --            | --            | --            |
| L3+00S 1+20E             | 203            | 21           | 0.1            | --            | --            | --            | --            |
| L3+00S 1+60E             | 201            | 37           | 0.1            | --            | --            | --            | --            |
| L3+00S 2+00E             | 201            | 15           | 0.1            | --            | --            | --            | --            |
| L3+00S 0+80W             | 201            | 20           | 0.1            | --            | --            | --            | --            |
| L3+25S 0+00              | 201            | 43           | 0.1            | --            | --            | --            | --            |
| L3+25S 0+20E             | 201            | 7            | 0.1            | --            | --            | --            | --            |
| L3+25S 0+40E             | 201            | 7            | 0.1            | --            | --            | --            | --            |
| L3+25S 0+60E             | 201            | 7            | 0.1            | --            | --            | --            | --            |
| L3+25S 0+20W             | 201            | 41           | 0.1            | --            | --            | --            | --            |
| L3+75S 0+20E             | 201            | 4            | 0.1            | --            | --            | --            | --            |
| L3+75S 0+40E             | 201            | 3            | 0.1            | --            | --            | --            | --            |
| L3+75S 0+60E             | 201            | 18           | 0.1            | --            | --            | --            | --            |
| L3+75S 0+80E             | 201            | 27           | 0.1            | --            | --            | --            | --            |
| L3+75S 1+00E             | 201            | 125          | 0.1            | --            | --            | --            | --            |
| L3+75S 0+20W             | 201            | 83           | 0.1            | --            | --            | --            | --            |
| <del>L4+00S 0+00 A</del> | <del>201</del> | <del>6</del> | <del>0.1</del> | <del>--</del> | <del>--</del> | <del>--</del> | <del>--</del> |
| L4+00S 0+00 B            | 201            | 16           | 0.1            | --            | --            | --            | --            |
| L4+00S 0+40E             | 201            | 10           | 0.1            | --            | --            | --            | --            |
| L4+00S 0+80E             | 201            | 24           | 0.1            | --            | --            | --            | --            |
| L4+00S 1+20E             | 201            | 13           | 0.1            | --            | --            | --            | --            |
| L4+00S 1+60E             | 201            | 22           | 0.1            | --            | --            | --            | --            |
| L4+00S 2+00E             | 201            | 21           | 0.1            | --            | --            | --            | --            |
| L4+00S 0+40W             | 201            | 21           | 0.1            | --            | --            | --            | --            |
| L4+00S 0+80W             | 201            | 16           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+00              | 201            | 20           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+20E             | 201            | 6            | 0.1            | --            | --            | --            | --            |
| L4+25S 0+40E             | 201            | 27           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+60E             | 201            | 13           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+80E             | 201            | 22           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+20W             | 201            | 9            | 0.1            | --            | --            | --            | --            |
| L4+25S 0+40W             | 201            | 22           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+60W             | 201            | 21           | 0.1            | --            | --            | --            | --            |
| L4+25S 0+80W             | 201            | 13           | 0.1            | --            | --            | --            | --            |

*Hart Bichler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : ELWELL, MR. J.P.

1026 - 510 W. HASTINGS STREET  
VANCOUVER, B.C.  
V6B 1L8

CERT. # : A8310126-003-A  
INVOICE # : I8310126  
DATE : 21-JAN-83  
P.O. # : NONE

| Sample description     | Prep code      | Cu ppm        | Ag ppm         |               |               |               |               |
|------------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|
| L4+25S 1+00W           | 201            | 17            | 0.1            | --            | --            | --            | --            |
| L5+00S 0+00            | 201            | 53            | 0.1            | --            | --            | --            | --            |
| L5+00S 0+40E           | 201            | 50            | 0.1            | --            | --            | --            | --            |
| L5+00S 0+80E           | 201            | 41            | 0.1            | --            | --            | --            | --            |
| L5+00S 1+20E           | 201            | 44            | 0.1            | --            | --            | --            | --            |
| L5+00S 1+60E           | 201            | 21            | 0.1            | --            | --            | --            | --            |
| L5+00S 2+00E           | 201            | 44            | 0.1            | --            | --            | --            | --            |
| L5+00S 0+40W           | 201            | 23            | 0.1            | --            | --            | --            | --            |
| L5+00S 0+80W           | 201            | 38            | 0.1            | --            | --            | --            | --            |
| L6+00S 0+00E           | 201            | 8             | 0.1            | --            | --            | --            | --            |
| L6+00S 0+40E           | 201            | 18            | 0.1            | --            | --            | --            | --            |
| L6+00S 0+80E           | 201            | 20            | 0.1            | --            | --            | --            | --            |
| L6+00S 1+20E           | 201            | 17            | 0.1            | --            | --            | --            | --            |
| L6+00S 1+60E           | 201            | 16            | 0.1            | --            | --            | --            | --            |
| L6+00S 2+00E           | 201            | 14            | 0.1            | --            | --            | --            | --            |
| <del>L6+00S 0+00</del> | <del>201</del> | <del>15</del> | <del>0.1</del> | <del>--</del> | <del>--</del> | <del>--</del> | <del>--</del> |
| L6+00S 0+40W           | 201            | 13            | 0.1            | --            | --            | --            | --            |
| L7+00S 0+00            | 201            | 11            | 0.1            | --            | --            | --            | --            |
| L7+00S 0+40E           | 201            | 23            | 0.1            | --            | --            | --            | --            |
| L7+00S 0+80E           | 201            | 5             | 0.1            | --            | --            | --            | --            |
| L7+00S 1+20E           | 201            | 19            | 0.1            | --            | --            | --            | --            |
| L7+00S 1+60E           | 201            | 10            | 0.1            | --            | --            | --            | --            |
| L7+00S 2+00E           | 201            | 8             | 0.1            | --            | --            | --            | --            |
| L7+00S 0+40W           | 201            | 14            | 0.1            | --            | --            | --            | --            |



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by Haut Bichler

APPENDIX I

STATEMENT OF COSTS

|                                                                                                                                                 |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| de la Mothe Explorations Ltd. -<br>line cutting, mag. survey, soil<br>sampling per invoice                                                      | \$7,550.00*     |
| de la Mothe Explorations Ltd. -<br>Helicopter transport per invoice                                                                             | 1,000.00*       |
| J.P. Elwell Engineering Ltd. -<br>Preparation of report dated Jan. 31st, 1983<br>including costs of assays, geochem analysis,<br>supplies, etc. | <u>1,924.00</u> |
| Total                                                                                                                                           | \$10,474.00     |

\* invoice attached

## APPENDIX 2

### GEOCHEM PROCESS

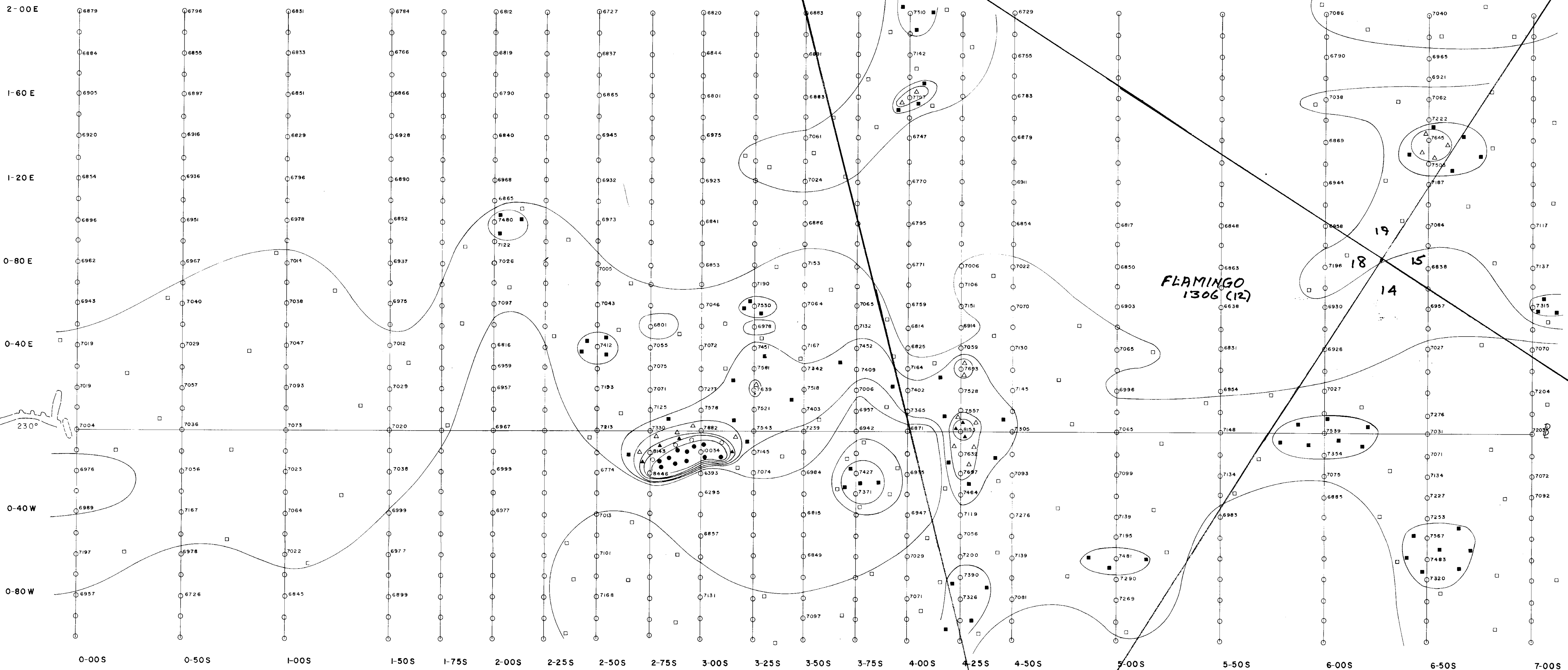
Soil samples were dried and screened to -80 mesh then 1g. samples were digested in hot perchloric and nitric acid. The solution was diluted and then analyzed for copper and silver in ppm. by the A.A. Method, with silver values adjusted for background.

### MAGNETOMETER SURVEY

Instrument used was a Scintrex Magnetometer, Model MP-2 with a 55 kilo-gamma setting.





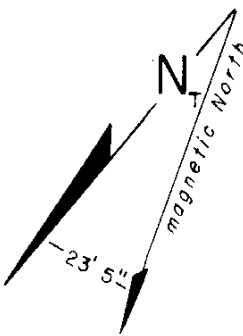


FLAMINGO  
1306 (12)

HUMMING BIRD C.G.  
1305 (12)

19  
18  
15  
14

CORINTH RESOURCES LTD.  
MAGNETOMETER SURVEY  
figure 4  
scale 1:1000  
0 10 20 30 40 50m.  
JAN.1983 J.P.ELWELL ENGINEERING LTD.

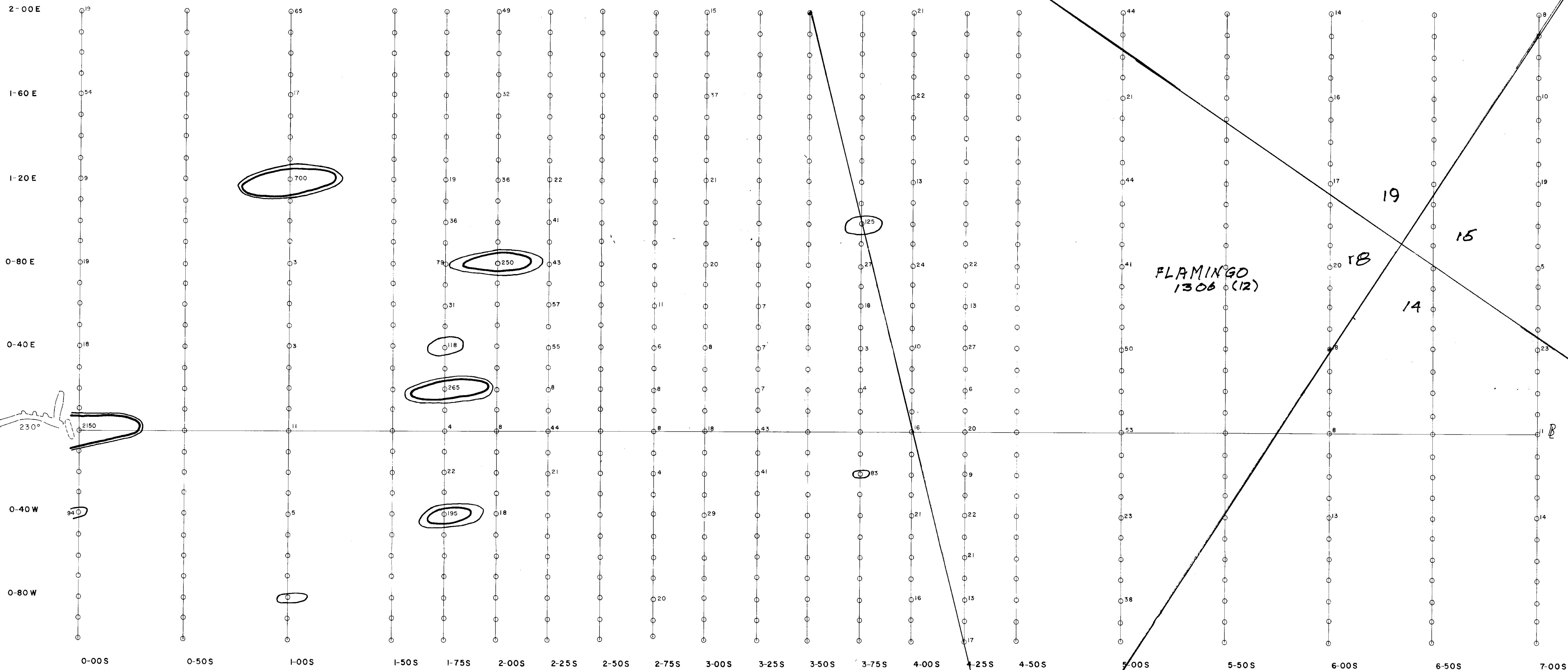


Map values = field reading minus 50000

- ≥ 7000
- ≥ 7300
- △ ≥ 7600
- ▲ ≥ 7900
- ≥ 8200
- ≥ 8500

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

11,884



2-00 E  
1-60 E  
1-20 E  
0-80 E  
0-40 E  
0-40 W  
0-80 W

0-00 S 0-50 S 1-00 S 1-50 S 1-75 S 2-00 S 2-25 S 2-50 S 2-75 S 3-00 S 3-25 S 3-50 S 3-75 S 4-00 S 4-25 S 4-50 S 5-00 S 5-50 S 6-00 S 6-50 S 7-00 S

FLAMINGO  
1306 (12)

19  
15  
18  
14

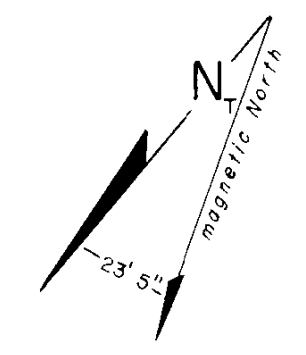
HUMMING BIRD C.G.  
1305 (12)

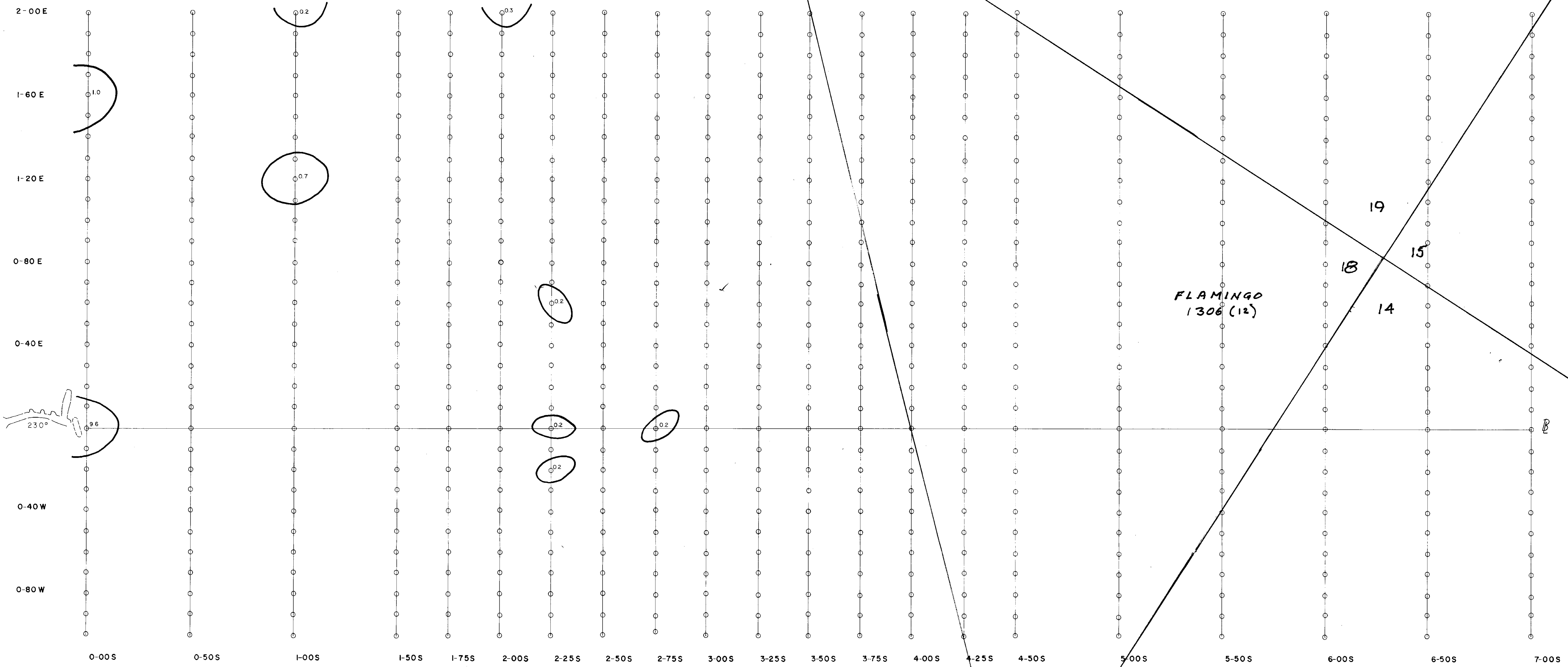
CONTOUR INTERVALS  
 ○ ≥ 80 ppm Cu.  
 ○ ≥ 150 ppm Cu.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,884**

CORINTH RESOURCES LTD.  
 GEOCHEM Cu.  
 figure 5  
 scale 1:1000  
 0 10 20 30 40 50m  
 JAN.1983 J.PELWELL ENGINEERING LTD.





FLAMINGO  
1306 (12)

19  
15  
18  
14

HUMMING BIRD C.G  
1305 (12)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

11,884

CORINTH RESOURCES LTD.  
GEOCHEM Ag.  
figure 6  
scale 1:1000  
JAN.1983 J.P.ELWELL ENGINEERING LTD.

