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Report #1 - Geophysical Report on Property of Rolling Hills  
Copper Mines Ltd. (N.P.L.)

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Report #2 - Supplementary Geophysical Report on the Property  
of Rolling Hills Copper Mines Ltd. (N.P.L.)

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REPORT ON  
GEOPHYSICAL SURVEYS

ROLLING HILLS COPPER MINES LTD. (N.P.L.)

The survey was conducted over the property of Rolling Hills Copper Mines Ltd. (N.P.L.) whose claims are as follows:

Python #3 to 8 incl., 15 and 16  
Cub #3 to 6 incl., 9 and 10  
Dot #2, 3, and 5  
Nan, Nat, Net  
Static, Coon and Cub Fractionals  
Pye #1 Fr  
Pye #3 to 8 inclusive  
Jet #1 to 6 incl., 8 to 13 incl., 15, 17, and 19  
Jet #7 Fr, 14 Fr, 16 Fr, and 18 Fr  
Trough #1 Fr to 3 Fr incl.  
Line #1 to 4 incl.  
Queen #1 Fr  
Top #1  
Top #2 Fr and 3 Fr  
Colt #1 to 5 incl.  
Guerin #1 and #2  
RH #1 to 6 incl.  
Kam #1 Fr  
Patricia #1  
X 1 to 10 incl., 12, 15 to 34 incl.  
B 1 to 15 incl. and 19 to 33 incl.  
Satan 7 to 29 incl.  
Ken 1, 2, 3, and 5  
Pam 1 to 37 incl.  
Wada 1 to 18 incl.  
Lobo 1 to 18 incl.  
Fox 1 to 7 incl., 7 to 10 incl., 11 Fr, 12 and 13  
C.G. Mineral Claims Lots 2565, 2564, 2563, 2562 and 2561

92I/9W

which are located 10 miles southwest of Kamloops, 50°37'N, 120°25'W

The survey was conducted during the period March 15 to August 5, 1965.  
The field work was under the supervision of Mr. R. Pild, Geophysicist.  
The report was written by Mr. E. B. Nicholls, Geophysicist.

Maps accompanying Reports:

Legend

I.P. & Mag. Profiles ~~#1~~ Line No. 4W  
#2 Line No. 16W  
#3 Line No. 24W  
#4 Line No. 28W  
#5 Line No. 32W  
#6 Line No. 48W  
#7 Line No. 52W

Claim Map ~~#8~~ Sheet 1 (Makao Claims)  
#9 Sheet 2  
#10 Sheet 3  
#11 Sheet 4

Induced Polarization Survey

Chargeability ~~#12~~ Sheet 1 (Makao Claims)  
#13 Sheet 2  
#14 Sheet 3

Resistivity #15 Sheet 1 (Makao Claims)  
#16 Sheet 2  
#17 Sheet 3

Magnetometer Survey ~~#18~~ Sheet 1 (Makao Claims)  
#19 Sheet 2  
#20 Sheet 3  
#21 Sheet 4

GEOPHYSICAL REPORT  
ON PROPERTY OF  
ROLLING HILLS COPPER MINES LTD. (N.P.L.)

KAMLOOPS MINING DIVISION  
KAMLOOPS, B. C.

SULMAC EXPLORATION SERVICES LIMITED

JULY 12, 1965

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GEOPHYSICAL REPORT  
ON PROPERTY OF  
ROLLING HILLS COPPER MINES LTD. (N.P.L.)  
KAMLOOPS MINING DIVISION  
KAMLOOPS, B. C.

1. Introduction

During the period March 15th to July 1st, 1965, magnetometer and Induced Polarization surveys were carried out by Sulmac Exploration Services Limited over part of the claims owned by Rolling Hills Copper Mines Ltd. (N.P.L.). As the Induced Polarization survey is still in progress, this report will discuss the results obtained to date. Further reports covering the future work will be submitted later.

The mineral claims are located a few miles west of Kamloops, British Columbia. The surveys covered a large portion of the claim group; the picket lines were cut and chained prior to the geophysical survey. The relative locations and orientations of the lines are shown on the maps accompanying this report. The basic coverage of the survey consisted of readings at 100 foot intervals along lines 400 feet apart using an electrode spacing of 200 feet.

Results of the surveys completed to date are shown on the maps and profiles accompanying this report. The completed survey will require four map sheets. This report discusses the results of sheets 1 and 3 only.

## 2. Summary and Recommendations

A magnetometer and an Induced Polarization survey is being carried out over the property owned by Rolling Hills Copper Mines Ltd. (N.P.L.), near Kamloops, British Columbia. This report discusses the results obtained to date.

The magnetometer survey has not indicated any major anomalous zone, however interpretation of the data has given light to the geological pattern of the property. It is possible to indicate the contacts between the various underlying rock types. A number of faults are indicated by the magnetics, as is the extensive fracturing in the Iron Mask Batholith. The formations indicated are known to be host rocks for ore occurrences in the immediate area.

The I.P. survey, a reconnaissance type based on 400 foot lines and using a 200 foot electrode spacing, indicated eight anomalous areas which may contain varying quantities of mineralization. Four of these areas, 2, 3, 5, and 6, are

associated with magnetic high values, which suggests magnetite could be the cause of the I.P. anomaly, however detail work is required to define the cause of the anomaly. Two other zones, #7 and #8, were not completely outlined as the anomalies passed over the property boundaries into the C.M. & S. property.

Anomaly #4 consists of two zones, each approximately 800 feet in length, located at the north end of lines 24W to 32W.

The main zone located to date is some 8000 feet in length and is designated on the accompanying map as Area #1. This zone varies in intensity along its length, indicating varying concentrations of mineralization. For the most part the zone is associated with magnetic lows, however towards the eastern end it appears to trend in with a series of magnetic highs. The zone is still open to the east where it crosses the property boundary. A limited amount of detail work has been carried out along this anomaly in the area of the magnetic 'lows'. This work indicated the zone to be caused by a narrow body of 200 - 300 feet in width which comes to bedrock surface and is probably due to 1-3% sulphides by volume. The dip appears to be to the south. Due to the nature of the topography investigation by diamond drilling may be complicated. In order to investigate by drilling it will be necessary to cross-section



the anomaly in a number of places following the detailed work. To date one diamond drill hole has been put down to investigate the cause of this anomaly. This hole was located so as to intersect the peak of the anomaly on Line 24W at a depth of 250 feet. Mineralization was intersected as expected in sufficient quantities so as to explain the anomaly. Further drilling is, of course, necessary to thoroughly investigate the anomaly.

The reconnaissance survey has indicated all areas of possible mineralization, and the limited amount of detail work has shown that it is possible to evaluate these zones more thoroughly than with the reconnaissance work alone. It is, therefore, recommended that more detail work be carried out on Area #1 prior to a further drilling programme and that the other anomalous area be checked with a limited amount of detail work.

Supplementary reports will be forthcoming as the survey progresses.

### 3. Property, Location and Access

The property of Rolling Hills Copper Mines Ltd. (N.P.L.) consists of a group of some 257 claims and five Crown Granted mineral claims. The Crown Granted land and 67 of the

mineral claims are under option from Makao Development Company Limited. These are shown on an accompanying map and are listed as follows:

C.G. Mineral Claims Lots 2565, 2564, 2563, 2562 and 2561

Mineral Claims:

Python #3 to 8 incl., 15 and 16  
Cub #3 to 6 incl, 9 and 10  
Dot #2, 3, and 5  
Nan, Nat, Net  
Static, Coon and Cub Fractionals  
Pye #1 Fr  
Pye #3 to 8 inclusive  
Jet #1 to 6 incl., 8 to 13 incl., 15, 17, and 19  
Jet #7 Fr, 14 Fr, 16 Fr, and 18 Fr  
Trough #1 Fr to 3 Fr incl.  
Line #1 to 4 incl.  
Queen #1 Fr  
Top #1  
Top #2 Fr and 3 Fr  
Colt #1 to 5 incl.  
Guerin #1 and #2  
RH #1 to 6 incl.  
Kam #1 Fr  
Patricia #1  
X 1 to 10 incl., 12, 15 to 34 incl.  
B 1 to 15 incl. and 19 to 33 incl.  
Satan 7 to 29 incl.  
Ren 1, 2, 3, and 5  
Pam 1 to 37 incl.  
Wade 1 to 18 incl.  
Lobo 1 to 18 incl.  
Fox 1 to 7 incl., 7 to 10 incl., 11 Fr, 12 and 13

The property is located some 10 miles by road southwest of Kamloops. Access to the claims is good, being

by the main Trans-Canada Highway west from Kamloops for about 7 miles to the junction of the Lac Le Jeune road and thence south for approximately 2 miles.

#### 4. Method of Survey and Instrument Data

##### 4.1 I.P. Electrode Arrays

The data were obtained using the "three-electrode array". This array consists of one current ( $C_1$ ), two potential electrodes ( $P_1$  and  $P_2$ ), and the second current electrode ( $C_2$ ) being fixed at "infinity".

The data were obtained using basic electrode spacings of 200 feet over the surveyed area. Additional detail information was obtained over the anomalous area with electrode spacings of 50, 100, and 400 feet. The basic station interval was 100 feet.

##### 4.2 I.P. Instrument

The instrument used was of the pulse-type and is similar in design and operation to that described by R. W. Baldwin in "A Decade of Development in Overvoltage Survey", A.I.M.E. Transactions, Vol. 214, 1959. Power for the unit is obtained from a Briggs and Stratton 4 H.P. motor coupled to a 400 c.p.s. generator which provides a maximum of 1500 watts d.c. to the ground. The cycling rate is 1.5 seconds current on and 0.5

seconds current off, the pulses reversing continuously in polarity. The data collected consists of measurement of the current (I) flowing through  $C_1$  and  $C_2$  and of the primary voltage ( $V_p$ ) between  $P_1$  and  $P_2$  during the 'current on' period. During the 'current off' period the overvoltage appearing between  $P_1$  and  $P_2$  is measured. This gives a measurement of the polarization ( $V_g$ ) in milliseconds. The "apparent chargeability" in milliseconds is calculated by dividing the polarization ( $V_g$ ) by the primary voltage ( $V_p$ ). The "apparent resistivity" in ohm-meters is obtained by dividing the primary voltage  $V_p$  by the current I, and multiplying by a proportionality factor which depends on the geometry of the array used.

#### 4.3 I.F. Data

The results of the survey are shown as contour maps of "apparent chargeability" and "apparent resistivity" for the basic 200 foot electrode spacing. These maps are located in the pocket at the rear of the report.

The results obtained during the detail work are shown as profiles. These profiles have a horizontal scale of one inch to one hundred feet. The "apparent chargeability" is plotted at a vertical scale of 2 milliseconds per inch. The

"apparent resistivity" is plotted to a vertical scale of 500 ohm-meters per inch.

A total of 76.5 miles of line has been surveyed by this method.

#### 4.4 Magnetometer Survey

The magnetometer survey carried out over the claim group discussed in this report was based on a grid system of 400 foot lines and 100 foot stations.

The survey was conducted using a Sharpe MF-1 Fluxgate magnetometer. The sensitivity of the instrument was 20 gammas per division on 1000 gamma scale. A total of 117.9 miles of line was surveyed by this method. The results obtained were plotted on a map at a scale of 400 feet to the inch and contoured. The maps accompany this report.

### 5. Discussion of the Results

#### 5.1 Magnetometer Survey

The magnetometer survey indicates considerable magnetic relief throughout the property, however no major anomalous zone was found. The magnetite concentration within the area surveyed appears to be very erratic. Contacts between the various rock types have been inferred from the magnetic data and are shown on the accompanying maps. From the nature of the results obtained it appears that the area is covered by shallow overburden.

The zones of magnetic 'highs' are probably indicative of the presence of the Iron Mask Batholith as the underlying rock type. The areas of relative low magnetics are probably due to the presence of volcanic rocks. To the north and east is an area having negative readings and is interpreted as reversely magnetized volcanics, probably of the Kamloops Group.

The magnetometer survey has, therefore, been of great help in distinguishing the various rock types that are underlying the property. A number of faults are indicated by the magnetics and are shown on the accompanying map. The magnetic data over the batholith areas indicates the batholith to have extensive fracturing. On completion of the geological mapping a more thorough review can be made for a better understanding of the geology of the area.

#### 5.2 Induced Polarization Survey

The interpretation of this survey data consists of a careful analysis of the individual profiles. The variations in the resistivity obtained may be ascribed to changes in the overburden thickness and in the overburden and bedrock resistivities. The overburden appears to have

resistivity varying between 40 and 300 ohm-meters, whereas the bedrock resistivity may be as high as 1000 ohm-meters or more.

A reconnaissance I.P. survey was carried out over lines 400 feet apart using an electrode spacing of 200 feet. The data obtained during this survey is shown on the 'chargeability' and 'resistivity' maps accompanying this report. The I.P. data indicates that the background values for the area are approximately 2 milliseconds. Areas which are shown as anomalous, that is having 'chargeability' values of twice background or better, will be selected for detail surveying. These anomalous areas are designated on the accompanying 'chargeability' maps by the numbers 1 to 8 inclusive. In addition to these zones a number of smaller anomalous zones have been indicated, but these are not designated on the maps. However, as the reconnaissance survey of the claim group has not been completed, it is expected that other anomalous zones will be located as the work progressed. Detail work has been kept to a minimum; as a result only five lines over anomalous area #1 have been surveyed using different electrode spacings.

Anomalous areas 2 and 3 are located in the northwest section of the Rolling Hills property and are associated with magnetic 'high's'. The magnetic data obtained in this portion of the property indicate the underlying rocks to be those of the Iron Mask Batholith in which magnetite is often found. Further detail work would be necessary before any final conclusions could be formed, however it is possible that the I.P. anomaly is due to the magnetite content of the batholith although other mineralization may be present.

The conductors indicated in Area #4 are located in a region of low magnetic relief which is probably associated with underlying rocks of the Kamloops Group. It is also an area of low resistivity. To the west these conductors are lost under the lake located on line 36W. Mineralization has been reported, by a local prospector, to have been found in the general area of this anomaly. Further work is, therefore, warranted over these conductors prior to any drilling.

Anomalous areas 5 and 6 are located in the general area of Line 28E to 60E, just north of the '0' base line. Both areas are associated with low resistivity values whilst the magnetics data indicates the underlying rocks to



be diorite or part of the Iron Mask Batholith. Again, detail work would be required before any definite conclusions could be drawn regarding the potential of the two zones.

Zones 7 and 8 shown on sheet 3 of the accompanying maps are only outlined in part as they both cross on to the ground held by C.M. & S. The magnetic data shows that the zones appear to be centred within the batholith. However, as the property boundary was reached before the zones were outlined, it is possible that the major portion of the anomaly is contained within the C.M. & S. property where an orebody is known to exist. Further study of these zones should be carried out in conjunction with work on the C.M. & S. property in order to correctly evaluate their potential.

The main zone located to date is designated Area #1 and covers a length of some 8000 feet with widths of up to 400 feet. This zone is located between Line 44W to 49E at 65N. Indications are that the zone is still open to the east where it crosses the property boundary. Faults appear to intersect the zone in a number of places and to offset it.

A limited amount of detail work was carried out on this zone covering Lines 4W, 16W, 24W, 28W, and 32W

only. The results of this work are shown as profiles at the end of the report. Besides the profiles of the chargeability, the profiles of the resistivity and magnetics are also incorporated.

In general, the zone appears to follow the contact between the low magnetics and the high magnetics for the most part, which is a favourable region for finding mineralization. However, between Line 8E and 28E the main portion of the zone appears to be associated more with rocks of high magnetite concentration. The flanks of the I.P. anomaly in this region are associated with low magnetics. The main portion of the zone as it crosses the property boundary is again associated with magnetic 'lows'. More detail work is warranted on this zone prior to any further drilling that may be undertaken.

As a 200 foot electrode spacing was used for the reconnaissance survey, the detail work was carried out using 50 foot and 100 foot electrode spacings in order to give better resolution of the data. In addition, Line 24W was also covered using an electrode spacing of 400 feet. From the results obtained by the detail work the causative body appears to be dipping to the south. Calculations carried out on the data

obtained show that the true chargeability is 10 milliseconds, indicating the presence of 1-3% of sulphides by volume as the cause of the anomaly. The data also indicates that the body extends to depth.

Line 4W shows an anomalous zone between stations 57 N to 60N and 62N to 64N. The zone centered at 63N was detected by the 50' spacing showing it to be fairly shallow. Both the zones appear to be associated with increases in the magnetic values. It is possible that the magnetite is partly responsible for the increase in the chargeability, however calculations do not indicate that it is the only cause.

Line 16W shows a broad I.P. response on the 200 foot spacings, with the detail work showing two definite zones centered at 61N and 67N respectively. Neither of these zones are associated with magnetics. Both zones appear to be fairly shallow and narrow.

Detail work carried out on Line 24W confirmed the anomaly indicated by the reconnaissance survey. A 400 foot electrode spacing was used, and this indicated the body extended to depth. No magnetics are associated with the anomaly.

On line 28W the detail survey shows that the zone is fairly narrow and probably reaches to bedrock surface.

The anomaly on line 32W centers at 67N and is indicated on both the 100 foot and 200 foot electrode spacing. The zone appears to be fairly narrow.

The detail work carried out to date does not indicate the presence of any concentrations of massive mineralization, but rather of disseminated zones averaging up to 400 feet in width and averaging 1-3% sulphides by volume. Within this zone more massive sections are probably present. To the east, as indicated by Line 4W, magnetite may be present, however to the west the zone is in a region of low magnetics.

The anomaly is situated on a hillside and the indications are that the cause of the anomaly dips into the hill. This complicates the drilling problem. From the work carried out to date it appears that the drilling should be carried out from the south side of the zone. One drill target has been spotted already, that is the anomaly peak on Line 24W. This was spotted on the south side of the zone and drilled to intersect the zone at 250 feet below the peak of the anomaly.

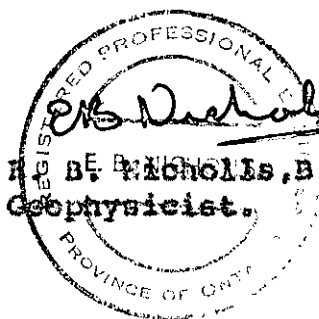
Mineralization was encountered in this hole as expected and the total sulphide content was in accordance with calculations. Assays are not presently available.

Further detail work along this anomaly and on the other anomalous zones is recommended prior to any further drilling. This will allow the selection of the best possible targets.

As the surveys are still progressing, supplementary reports will be submitted as and when required.

Respectfully submitted,

SULMAC EXPLORATION SERVICES LIMITED

  
B. E. NICHOLLS, B.Sc., P.Eng.,  
Geophysicist.

July 12, 1965

**SUPPLEMENTARY  
GEOPHYSICAL REPORT  
ON THE PROPERTY OF  
ROLLING HILLS COPPER MINES LIMITED (N.P.L.)**

**KAMLOOPS MINING DIVISION  
KAMLOOPS, BRITISH COLUMBIA**

**SULMAC EXPLORATION SERVICES LIMITED**

**OCTOBER 12, 1965**

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Appendix - Personnel employed on survey

Certificate

SUPPLEMENTARY  
GEOPHYSICAL REPORT  
ON THE PROPERTY OF  
ROLLING HILLS COPPER MINES LIMITED (N.P.L.)

KAMLOOPS MINING DIVISION  
KAMLOOPS, BRITISH COLUMBIA

1. Introduction

This report discusses the additional work carried out on the property of Rolling Hills Copper Mines Limited (N.P.L.) located in the Kamloops area of British Columbia. The report covering the initial and major portion of the survey was submitted on July 12, 1965, and discussed the results of the surveys completed between the period March 15 to July 1, 1965. Since then the Induced Polarization survey was extended by another 33.5 miles and the magnetometer survey by 41.6 miles. This additional survey was completed on August 5, 1965. The surveys did not cover the whole claim group, however the magnetometer survey was carried out over all the lines that had been established.

The accompanying maps and plans show the results obtained for the complete surveys.



## 2. Summary and Recommendations

The magnetometer and Induced Polarization surveys were extended over the property of Rolling Hills Copper Mines Limited. A total of 160 line miles of magnetometer survey has been completed on the property. From the results of this survey it is possible to identify the contacts between the various rock types, which will be of value when geologically mapping the property. A number of faults have been inferred from the magnetics and these are shown on the accompanying maps.

An additional 33.5 miles of I.P. survey were completed, bringing the total to 110 line miles. This extra survey indicated two more anomalous zones, designated 9 and 10 on the accompanying maps. Neither of these zones were completely delineated as they extended beyond the property boundaries. Anomaly #9 was found to be associated with magnetic 'highs'; it is, therefore, possible that the magnetite present in this area may account for the anomaly. However, the limited amount of detail work carried out indicated that small percentages of sulphides (1-2% by volume) may be present. The other anomaly was not detailed and there is no magnetic anomaly associated with it. A previous report described the other anomalous zones and these are, therefore, not discussed in this report.

Evaluation of the anomalous zones by diamond drilling is recommended in order to determine their economic value. As the zones are fairly extensive, cross section drilling should be undertaken.

In order to assess the true merits of the property, it is recommended that a study be made of the geophysical results and the geological survey of the Rolling Hills claim group in conjunction with those of the adjoining properties. By this means a more detailed analysis of the data could be made which would be of benefit to all companies concerned.

### 3. Property, Location & Access

The property of Rolling Hills Copper Mines Ltd. (N.P.L.) consists of a group of some 257 claims and five Crown Granted mineral claims. The Crown Granted land and 67 of the mineral claims are under option from Makao Development Company Limited. These are shown on an accompanying map and are listed as follows:

C.G. Mineral Claims Lots 2565, 2564, 2563, 2562 and 2561

Mineral Claims:

Python #3 to 8 incl., 15 and 16  
Cub #3 to 6 incl., 9 and 10  
Dot #2, 3, and 5

Mineral Claims (Cont'd)

Nan, Nat, Net

Static, Coon and Cub Fractionals

Pye #1 Fr

Pye #3 to 8 inclusive

Jet #1 to 6 incl., 8 to 13 incl., 15, 17, and 19.

Jet #7 Fr, 14 Fr, 16 Fr, and 18 Fr

Trough #1 Fr to 3 Fr incl.

Line #1 to 4 incl.

Queen #1 Fr

Top #1

Top #2 Fr and 3 Fr

Colt #1 to 5 incl.

Guerin #1 and #2

RH #1 to 6 incl.

Kam #1 Fr

Patricia #1

X 1 to 10 incl., 12, 15 to 34 incl.

B 1 to 15 incl. and 19 to 33 incl.

Satan 7 to 29 incl.

Ken 1, 2, 3, and 5

Pam 1 to 37 incl.

Wade 1 to 18 incl.

Lobo 1 to 18 incl.

Fox 1 to 7 incl., 7 to 10 incl., 11 Fr, 12 and 13

The property is located some 10 miles by road southwest of Kamloops. Access to the claims is good, being by the main Trans-Canada Highway west from Kamloops for about 7 miles to the junction of the Lac Le Jeune road and thence south for approximately 2 miles.

#### 4. Method of Survey and Instrument Data

##### 4.1 I.P. Electrode Arrays

The data were obtained using the "three-electrode array". This array consists of one current ( $C_1$ ), two potential electrodes ( $P_1$  and  $P_2$ ), and the second current electrode ( $C_2$ ) being fixed at "infinity".

The data were obtained using basic electrode spacings of 200 feet over the surveyed area. Additional detail information was obtained over the anomalous area with electrode spacings of 50 and 100 feet. The basic station interval was 100 feet.

##### 4.2 I.P. Instrument

The instrument used was of the pulse-type and is similar in design and operation to that described by R.W. Baldwin in "A Decade of Development in Overvoltage Survey", A.I.M.E. Transactions, Vol. 214, 1959. Power for the unit is obtained from a Briggs and Stratton 4 H.P. motor coupled to a 400 c.p.s. generator which provides a maximum of 1500 watts d.c. to the ground. The cycling rate is 1.5 seconds current on and 0.5 seconds current off, the pulses reversing continuously in polarity. The data collected consists of measurement of the current ( $I$ ) flowing through  $C_1$  and  $C_2$  and of the primary voltage ( $V_p$ ) between

$P_1$  and  $P_2$  during the 'current on' period. During the 'current off' period the overvoltage appearing between  $P_1$  and  $P_2$  is measured. This gives a measurement of the polarization ( $V_s$ ) in milliseconds. The "apparent chargeability" in milliseconds is calculated by dividing the polarization ( $V_s$ ) by the primary voltage ( $V_p$ ). The "apparent resistivity" in ohm-meters is obtained by dividing the primary voltage  $V_p$  by the current  $I$ , and multiplying by a proportionality factor which depends on the geometry of the array used.

#### 4.3 I.P. Data

The results of the survey are shown as contour maps of "apparent chargeability" and "apparent resistivity" for the basic 200 foot electrode spacing. These maps are located in the pocket at the rear of the report.

The results obtained during the detail work are shown as profiles. These profiles have a horizontal scale of one inch to one hundred feet. The "apparent chargeability" is plotted at a vertical scale of 2 milliseconds per inch. The "apparent resistivity" is plotted to a vertical scale of 500 ohm-meters per inch.

A total of 33.5 miles of line have been surveyed since the first report. This extra mileage brings the total to 110 miles of I.P. survey. All the lines laid out were not covered.

#### 4.4 Magnetometer Survey

The magnetometer survey carried out over the claim group discussed in this report was based on a grid system of 400 foot lines and 100 foot stations.

The survey was conducted using a Sharpe MF-1 Fluxgate magnetometer. The sensitivity of the instrument was 20 gammas per division on 1000 gamma scale. An extra 42.1 miles were surveyed, bringing the total mileage to 160. All the lines laid out were surveyed by the magnetometer. The lines shown on Sheet 3 without readings were not picketed in the field. The results obtained were plotted on a map at a scale of 400 feet to the inch and contoured. The maps accompany this report.

### 5. Discussion of the Results

#### 5.1 Magnetometer Survey

The additional magnetometer survey carried out indicated the same magnetic relief as the previous survey. The magnetite concentration appears to be very erratic. Again,

contacts between the various rock types have been inferred from the data obtained. Zones of magnetic 'highs' are indicative of the presence of the Iron Mask Batholith, whereas the areas of relatively low magnetics are probably underlain by volcanics. A number of faults are indicated by the magnetics.

Used in conjunction with the geological study of the property, the magnetics can be used to identify the formations that are overlain by the overburden.

#### 5.2 Induced Polarization Survey

The interpretation of this survey consists of a careful analysis of the individual profiles. The variations in resistivity obtained may be ascribed to changes in the overburden thickness and in the overburden and bedrock resistivities.

A number of anomalous zones have been indicated by the survey and these are designated on the accompanying maps by the numbers 1 to 10. Eight anomalous zones, numbers 1 to 8, were identified in the original report. The two anomalies, #9 and #10, located on Sheet 2, are not completely delineated as they both extend across the property boundaries onto the ground owned by Galaxy Copper Limited. Anomaly #9 is located within an area of magnetic 'highs', and is thought, therefore, to be due in part, at least, to the magnetite content. Detail survey at 50' and 100' spacings

was carried out over lines 48W and 52W. Calculations carried out do not indicate that the magnetite is the only cause, however its presence does obscure the effect of any sulphide mineralization that may be present. The near surface effects may be due to the magnetite. Any mineralization is probably below it.

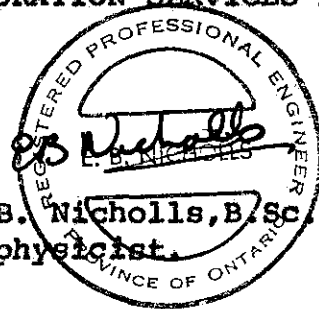
Anomalous zone #10 is situated in an area of relatively 'low' magnetic relief indicating the underlying rocks are probably volcanics. No detail work was carried out over the zone, but should be prior to any drilling that may be contemplated.

The other 8 anomalous zones located by the I.P. survey were described in the previous report. A number of small anomalous zones are to be found throughout the surveyed area, however as these zones are small in area they would only warrant further investigation if the larger anomalous zones prove to be of economic interest.

Respectfully submitted,

SULMAC EXPLORATION SERVICES LIMITED

E. B. Nicholls, B.Sc., P.Eng.,  
Geophysicist.



October 12, 1965



APPENDIX

The following personnel were employed on the survey:

E. B. Nicholls	Chief Geophysicist	Feb. 16, May 1, 13, 18-20, July 6, 14, 22, 27, Aug. 3, 4, 5, Octo 4 to 8, 1965
R. Pild	Geophysicist	March 15 - Aug. 3/65
R. McLeod	Geophysical Operator	March 15 - May 1/65
K. Kerslake	" "	May 16 - June 7, July 20 - Aug. 7/65
D. Thorburn	" "	March 15 - June 1/65
E. Adams	" Assistant	March 15 - April 10/65
J. Nicklin	" "	March 15 - Aug. 3/65
R. Clark	" "	March 15 - April 10/65
D. Gray	" "	April 11 - June 9/65
T. Sypher	" "	April 11 - June 9/65
R. Waterman	" "	June 1 - Aug. 3/65
R. Burns	" "	June 9 - Aug. 3/65
R. Nicholls	" "	June 9 - Aug. 3/65
D. Grant	Draftsman	April 20, 21, July 5 - 7, 20, 21, May 18 - 21, Sept. 14, 15, 23, 24 & 30/65
P. Tapson	"	April 14, 15, June 14-18, May 10, 12/65
K. Schulte	Linecutter	Jan. 3-14, Feb. 1-March 28
G. Espaniel	"	" "
R. Espaniel	"	" "
P. Jones	"	" "
T. Reid	"	" "
E. Adams	"	" "
N. Stewart	"	" "

CERTIFICATE

TO WHOM IT MAY CONCERN:

I, the undersigned, do hereby certify:

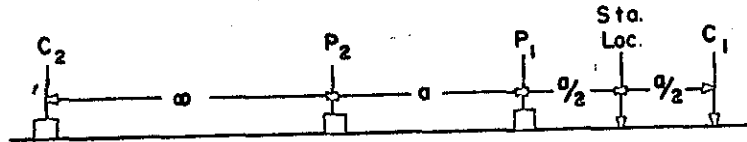
1. That I am a geophysicist residing at 75 Romulus Drive, Scarborough, Ontario.
2. That I have been practicing my profession for 18 years.
3. That I graduated from London University, England, with a B.Sc. degree in 1947.
4. That I have carried out all types of geophysical surveys throughout Canada, England, Europe.
5. That I have carried out interpretation for all phases of geophysics, including reports for assessment work.
6. That I am a member of the Association of Professional Engineers of Ontario.
7. That I am a member of the Society of Exploration Geophysicists, European Geophysical Association, Canadian Exploration Geophysicists.
8. That I am a member of the Institute of Physics, London, England.

*E. B. Nicholls*

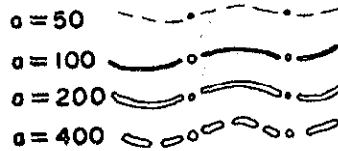
E. B. Nicholls, B.Sc., P.Eng.,  
Geophysicist.

# LEGEND

## INDUCED POLARIZATION SURVEY



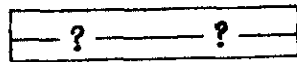
### PROFILES



AREA OF SPECIAL INTEREST



AREA OF INTEREST



AREA OF POSSIBLE INTEREST

## MAGNETOMETER SURVEY

### PROFILE



*PS Outwell*

ROLLING HILLS COPPER  
MINES LIMITED

KAMLOOPS-BRITISH COLUMBIA

I.P. & MAG. PROFILES

LINE NO. - 4W

INDUCED POLARIZATION SURVEY  
RESISTIVITY

2000 +

1500 +

OHM-METERS

1000 +

500 +

0 +

8 +

INDUCED POLARIZATION SURVEY  
CHARGEABILITY

6 +

MILLISECONDS

4 +

2 +

0 +

55N

56N

57N

58N

59N

60N

61N

62N

63N

64N

65N

66N

67N

68N

69N

STATIONS SCALE - 1" = 100'

MAGNETOMETER  
SURVEY

+2000

+1000

0

GAMMAS

-1000

-2000

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP

742

2000 +  
 INDUCED POLARIZATION SURVEY  
RESISTIVITY

1500 +  
 1000 +  
 OHM-METERS

INDUCED POLARIZATION SURVEY  
CHARGEABILITY

6 +  
 4 +  
 2 +  
 MILLISECONDS

0 56N 57N 58N 59N 60N 61N 62N 63N 64N 65N 66N 67N 68N 69N 70N

STATIONS SCALE - 1" = 100'

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP ~~2~~

ROLLING HILLS COPPER  
 MINES LIMITED

KAMLOOPS - BRITISH COLUMBIA

I.P. & MAG. PROFILES

LINE NO. - 16W

MAGNETOMETER  
 SURVEY

+2000  
 +1000  
 0  
 -1000  
 -2000  
 GAMMAS

742

SULMAC EXPLORATION SERVICES LTD.  
 E.B. Woodall

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

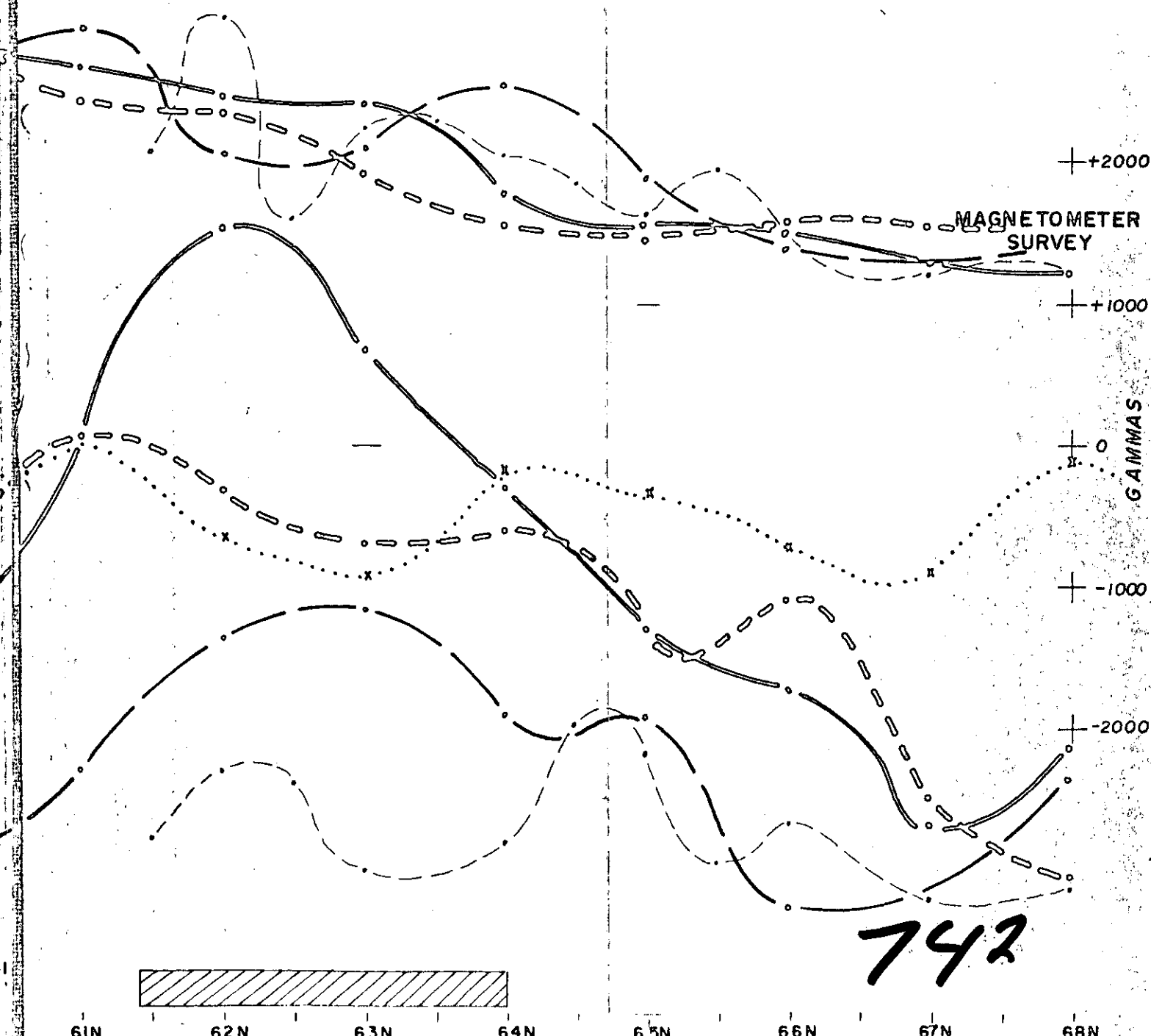
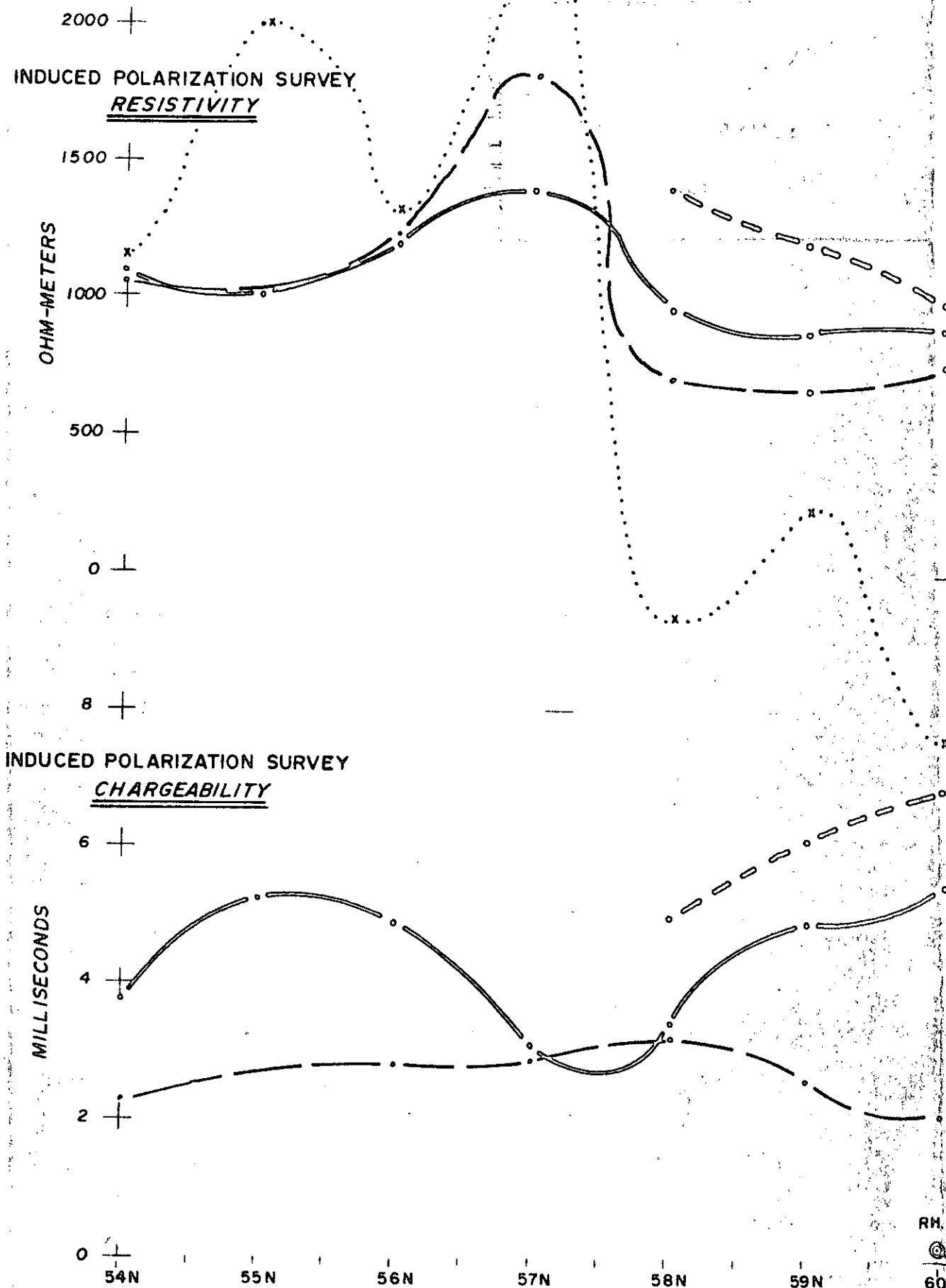
NO. **742** MAP **#3**

**ROLLING HILLS COPPER  
MINES LIMITED**

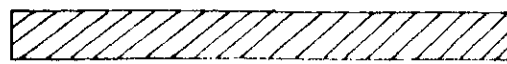
KAMLOOPS-BRITISH COLUMBIA

**I.P. & MAG. PROFILES**

**LINE NO.-24W**



RH. NO.-1



SCALE - 1" = 100'

**742**

*EBN Duffell*  
SULMAC EXPLORATION SERVICES LTD.

INDUCED POLARIZATION SURVEY  
RESISTIVITY

2000 +  
1500 +  
1000 +  
500 +  
0 +  
8 +  
6 +  
4 +  
2 +  
0 +

INDUCED POLARIZATION SURVEY  
CHARGEABILITY

OHM-METERS  
MILLISECONDS

56N 57N 58N 59N 60N 61N 62N

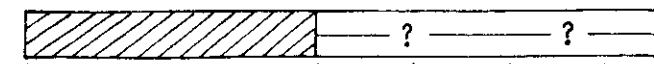
STATIONS SCALE - 1" = 100'

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
IO. **742** MAP **#4**

ROLLING HILLS COPPER  
MINES LIMITED  
KAMLOOPS - BRITISH COLUMBIA  
I.P. & MAG. PROFILES  
LINE NO.-28W

MAGNETOMETER SURVEY

+2000  
+1000  
0  
-1000  
-2000  
GAMMAS



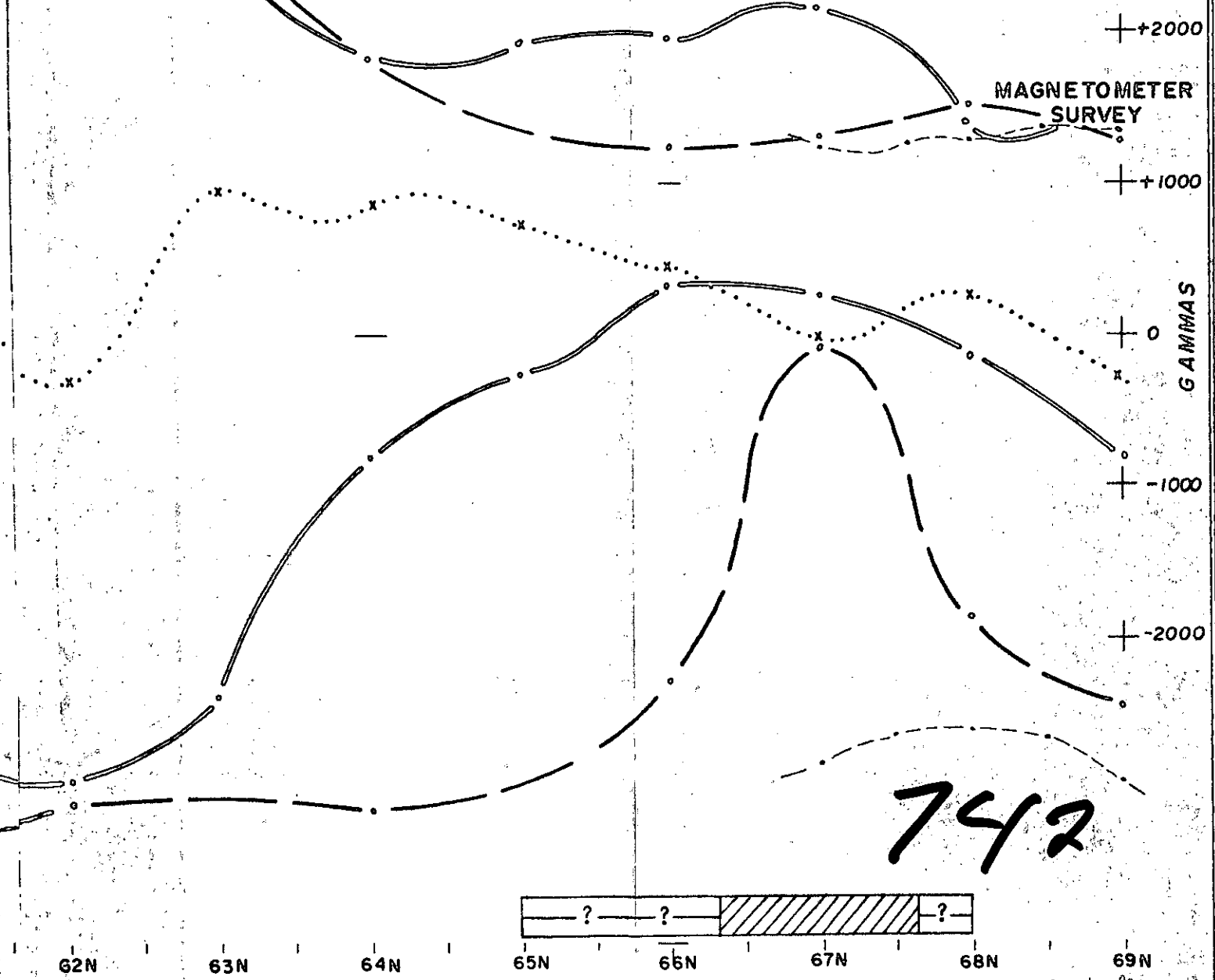
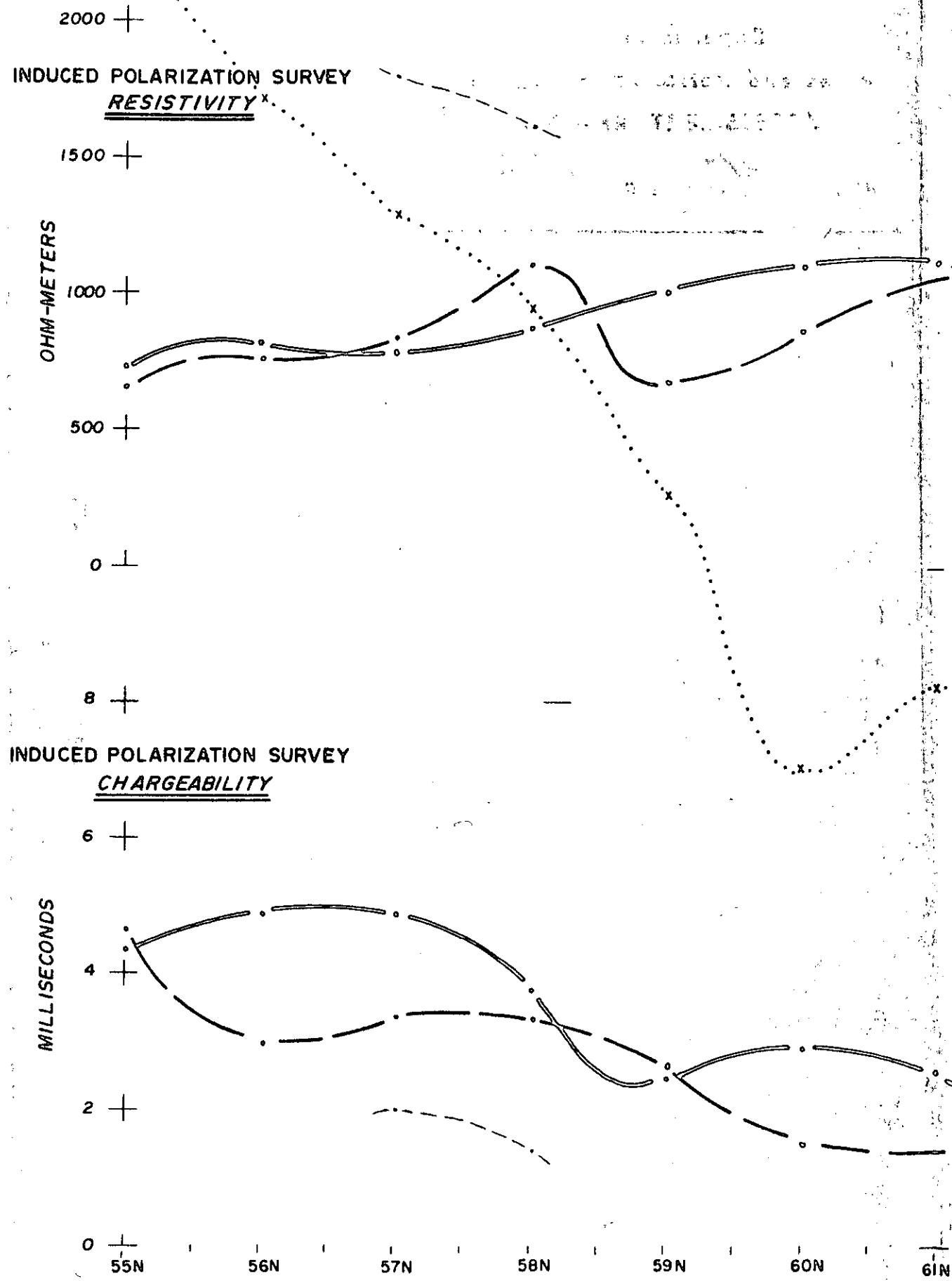
63N 64N 65N 66N 67N 68N 69N 70N

**742**

*EBN Decholly*  
SULMAC EXPLORATION SERVICES LTD.

Department of  
 Mines and Petroleum Resources  
 INVESTIGATION REPORT  
 NO. **742** P. **#5**

**ROLLING HILLS COPPER  
 MINES LIMITED**  
 KAMLOOPS-BRITISH COLUMBIA  
**I.P. & MAG. PROFILES**  
**LINE NO.-32W**



STATIONS SCALE - 1" = 100'



**742**

SULMAC EXPLORATION SERVICES LTD.  
*E. S. Nicholls*



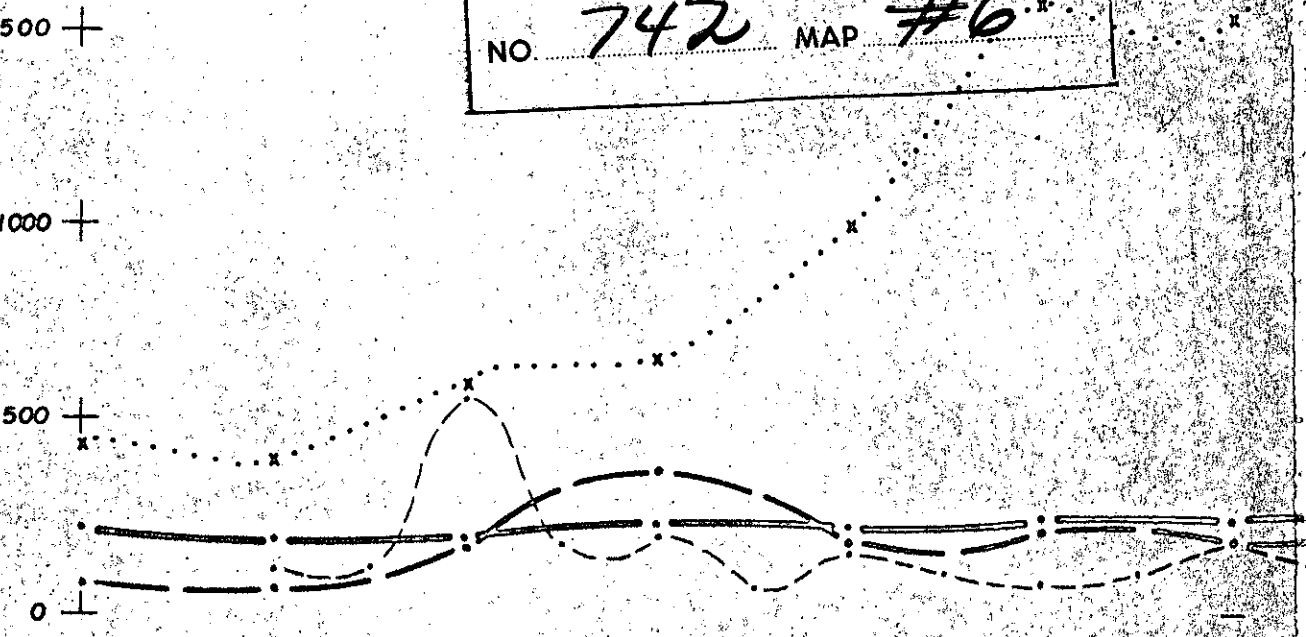
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **742** MAP **#6**

**ROLLING HILLS COPPER  
MINES LIMITED**  
KAMLOOPS - BRITISH COLUMBIA  
**I.P. & MAG. PROFILES**  
**LINE NO. - 48W**

INDUCED POLARIZATION SURVEY  
RESISTIVITY

2000 +  
1500 +  
1000 +  
500 +  
0 +

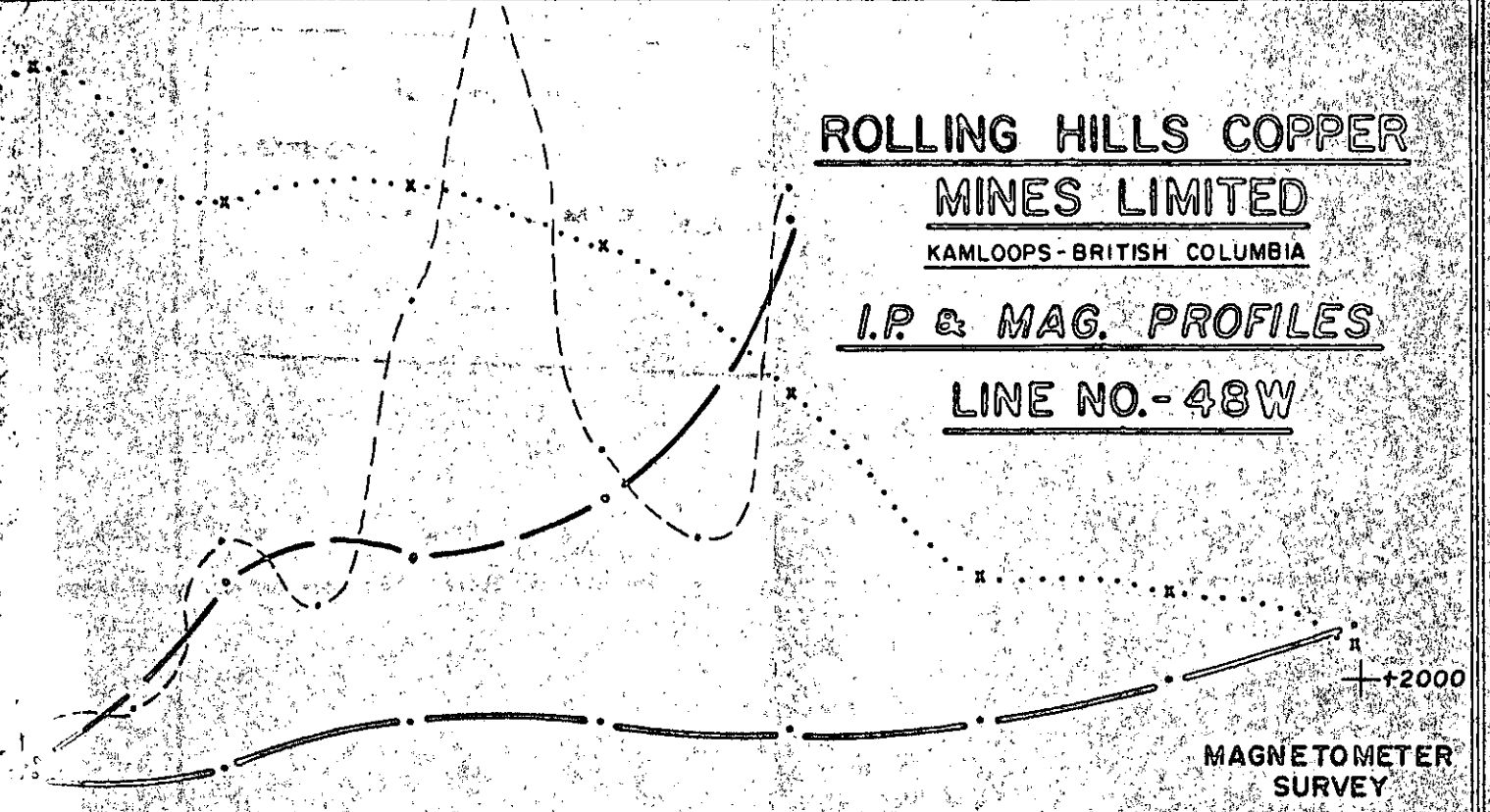
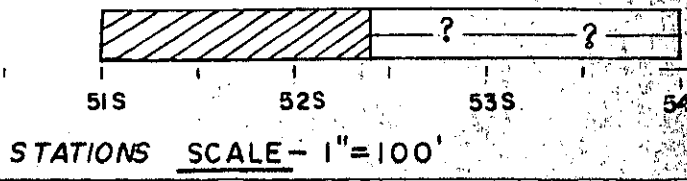
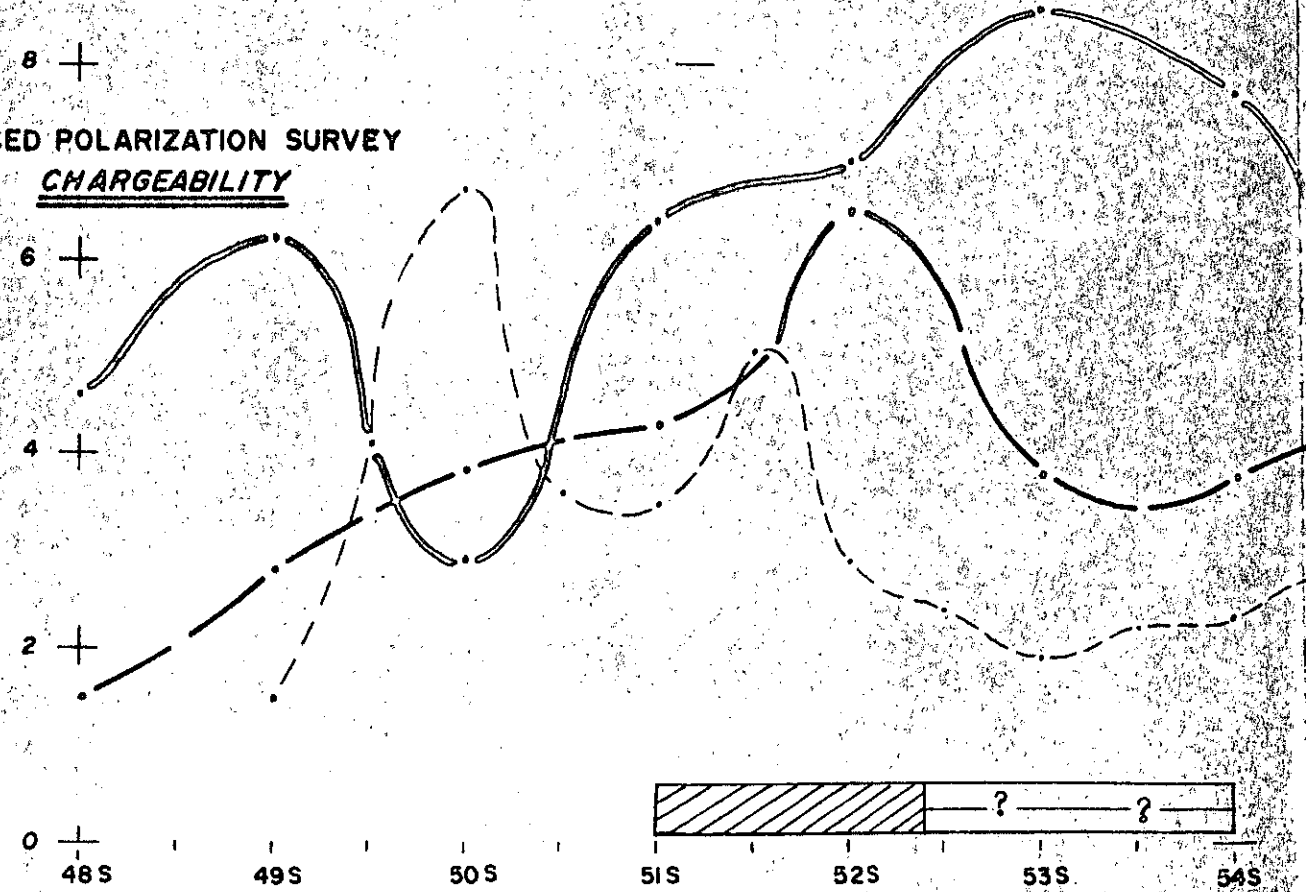
OHM-METERS



INDUCED POLARIZATION SURVEY  
CHARGEABILITY

8 +  
6 +  
4 +  
2 +  
0 +

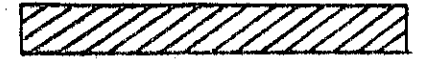
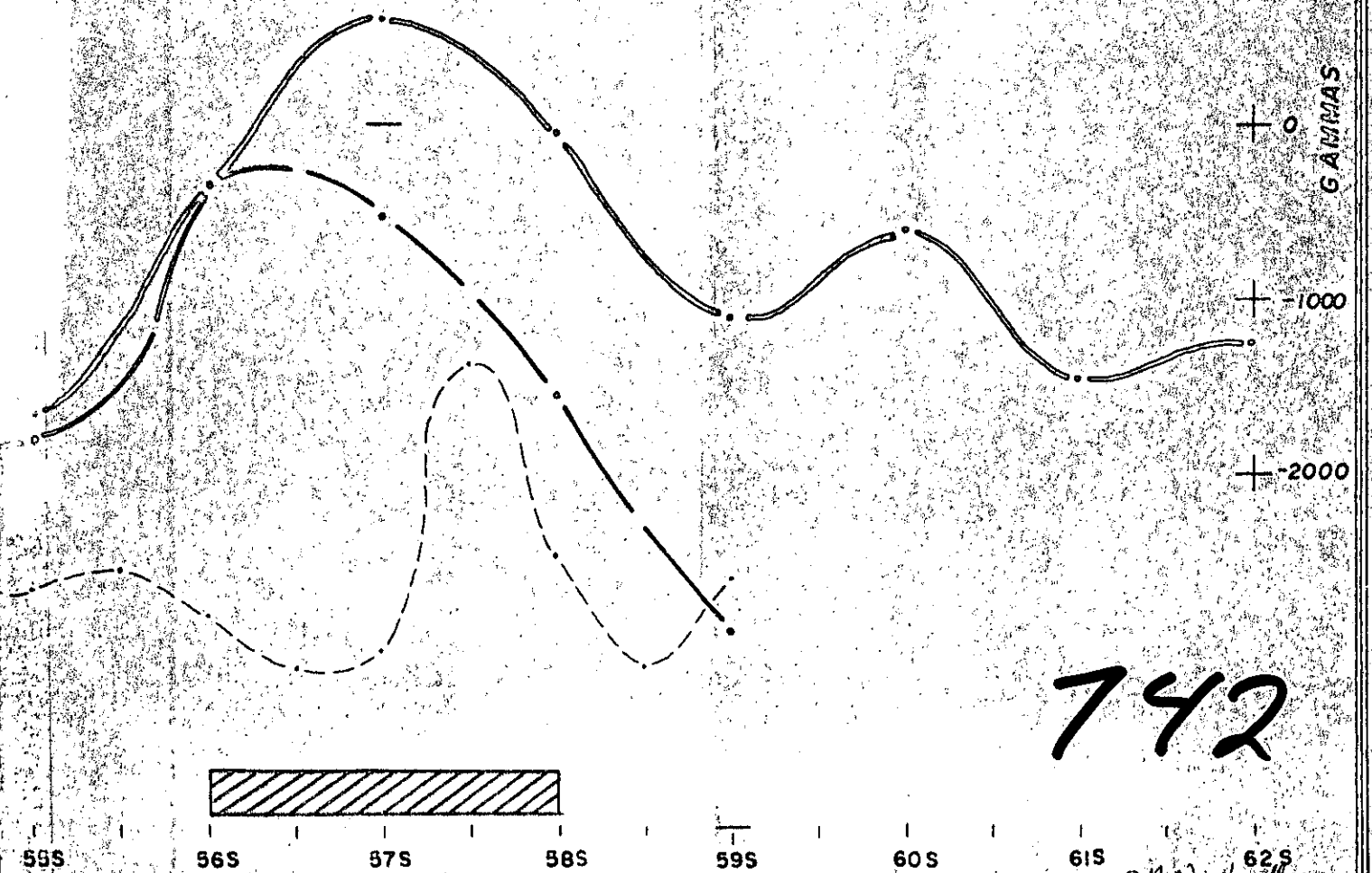
MILLISECONDS



MAGNETOMETER SURVEY

+2000  
+1000  
0  
-1000  
-2000

GAMMAS



**742**

SULMAC EXPLORATION SERVICES LTD.  
eBN *[Signature]*

INDUCED POLARIZATION SURVEY  
RESISTIVITY

2000 +

1500 +

1000 +

500 +

0 +

6 +

INDUCED POLARIZATION SURVEY  
CHARGEABILITY

6 +

4 +

2 +

0 +

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **742** MAP **#7**

ROLLING HILLS COPPER

MINES LIMITED

KAMLOOPS-BRITISH COLUMBIA

I.P. & MAG. PROFILES

LINE NO.-52W

MAGNETOMETER  
SURVEY

+1000

0

-1000

-2000

GAMMAS

MILLISECONDS

50S

51S

52S

53S

54S

55S

56S

57S

58S

59S

60S

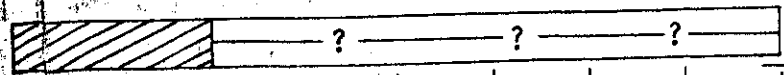
61S

62S

63S

64S

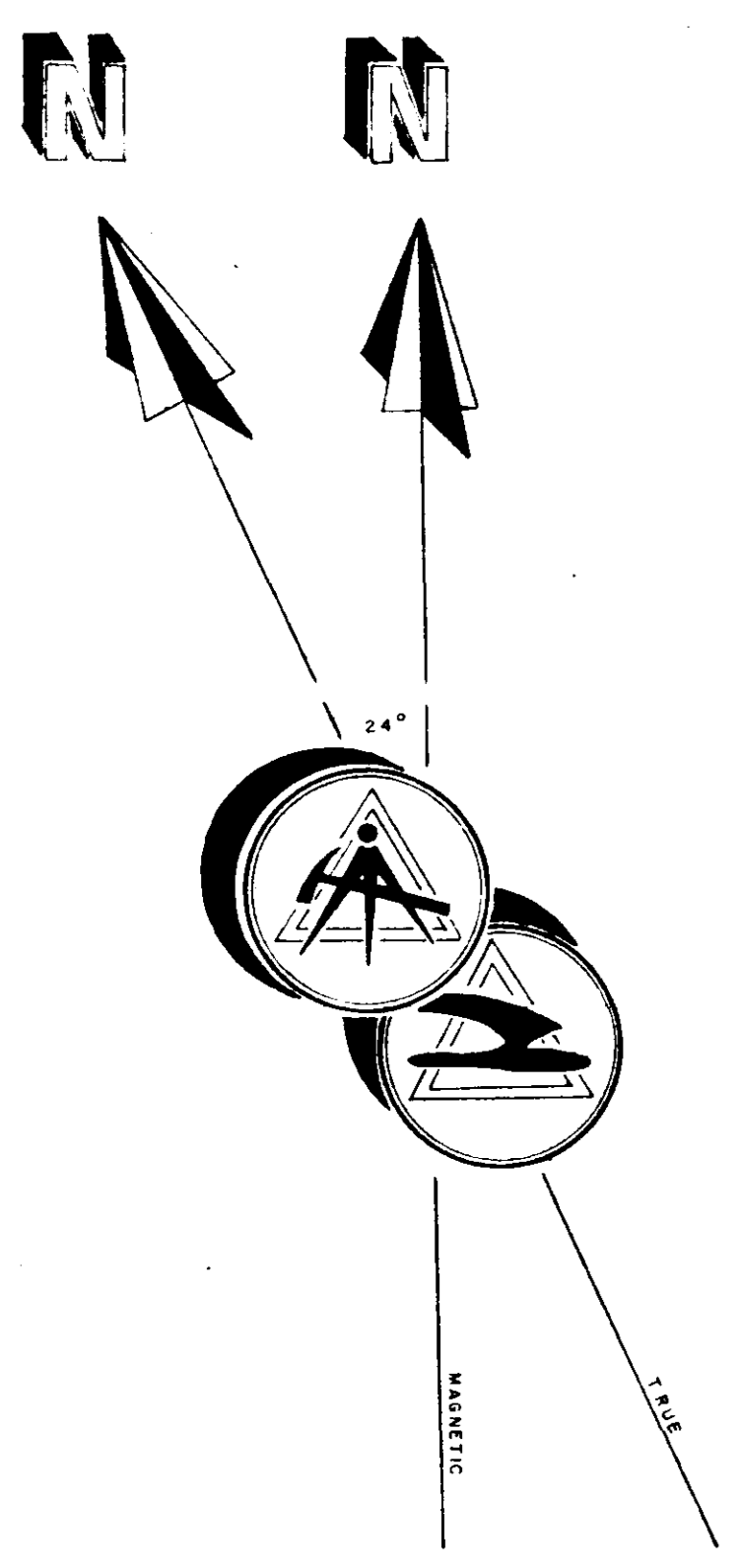
STATIONS SCALE - 1" = 100'



**742**

SULMAC EXPLORATION SERVICES LTD.  
E.B. Nicholls

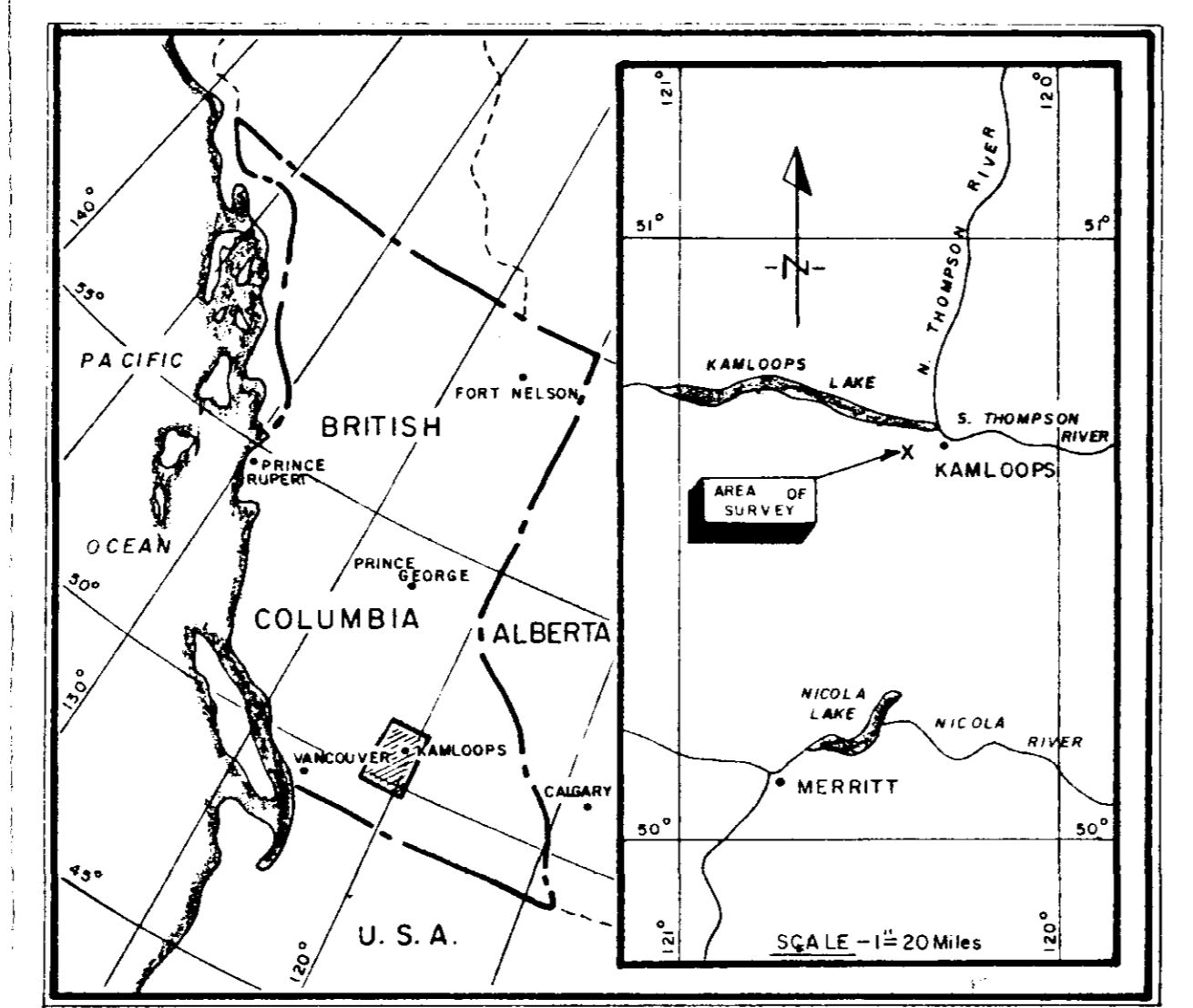




**ROLLING HILLS COPPER MINES LTD.**  
 KAMLOOPS - BRITISH COLUMBIA  
 KAMLOOPS - MINING DIVISION #1742

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP #8

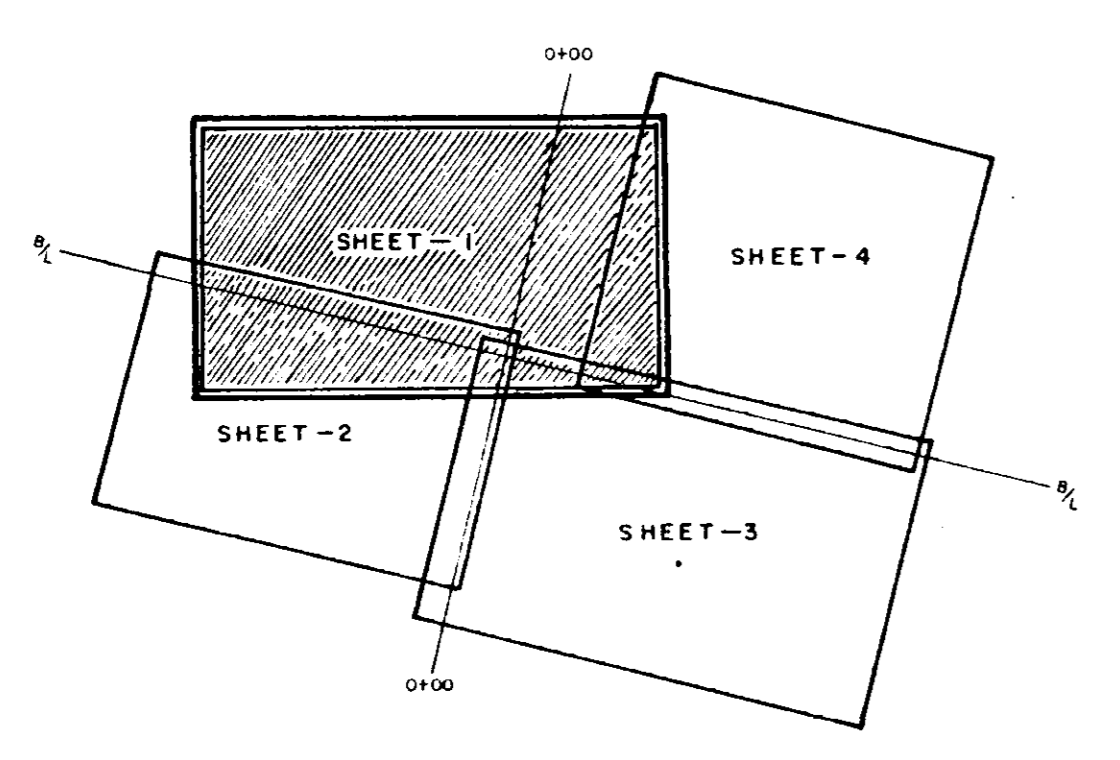
**LOCATION MAP**  
 SCALE - 1:250 MILES



**L E G E N D**

- Claim Boundary ————
- Property Boundary ————
- Lake Outline ————

**INDEX MAP**



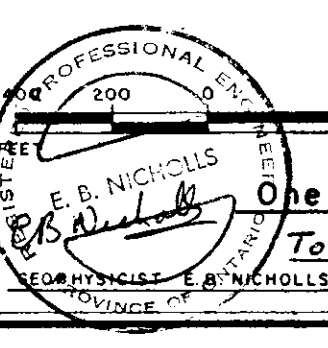
SHEET - 1

**CLAIM MAP**

(MAKAOO CLAIMS)

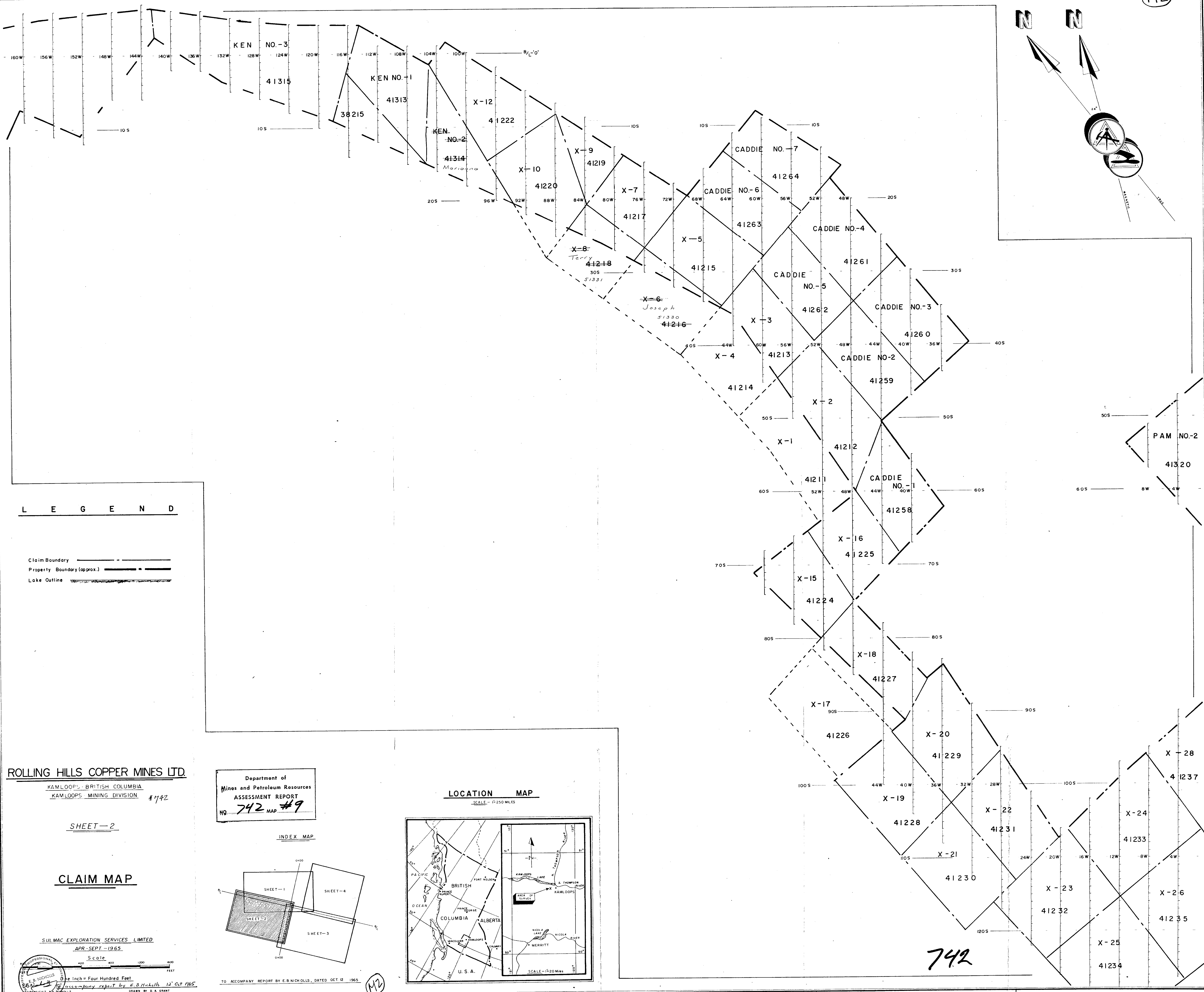
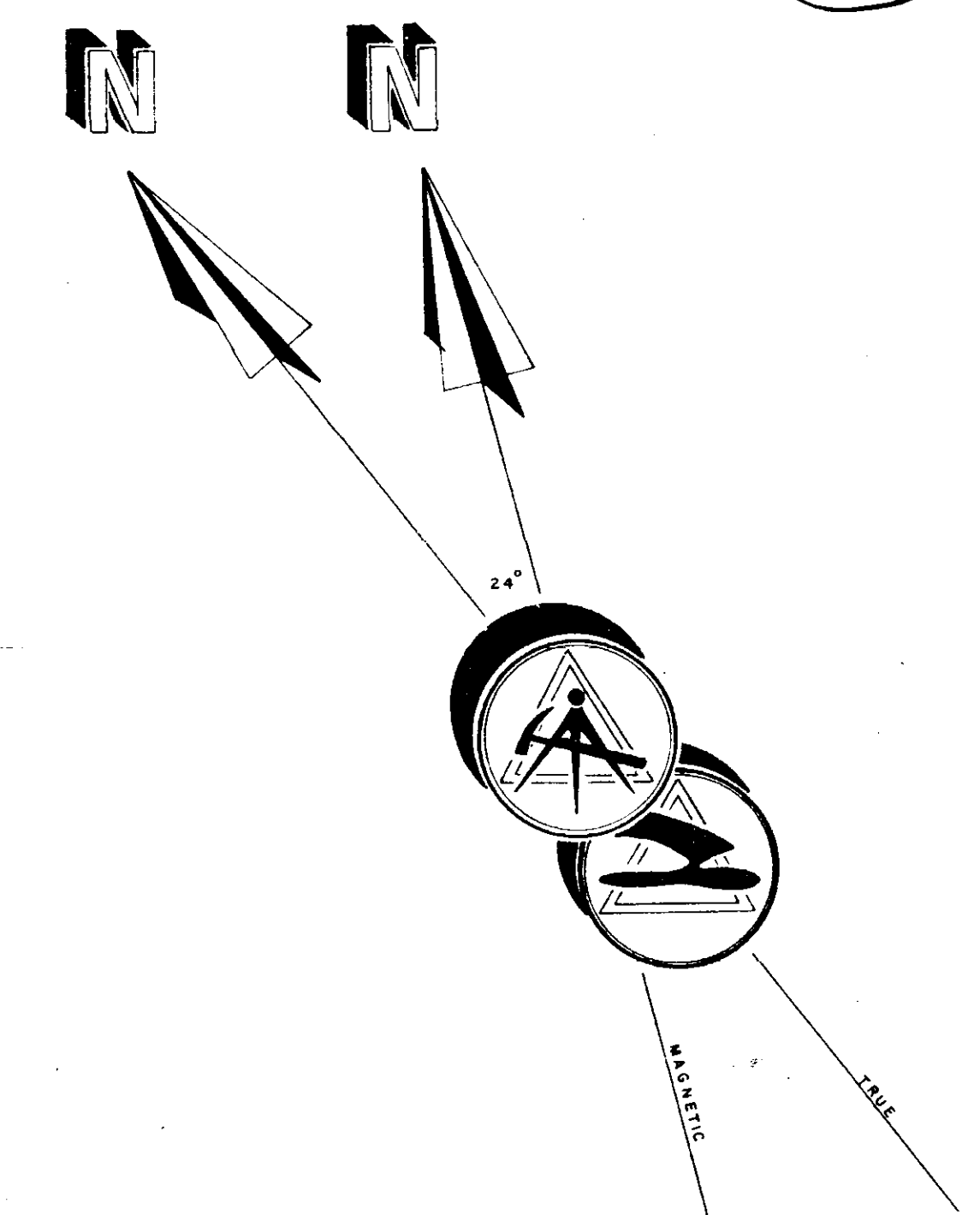
SULMAC EXPLORATION SERVICES LIMITED  
 APR-SEPT-1965

Scale 1:40,000  
 One Inch = Four Hundred Feet



TO ACCOMPANY REPORT BY E.B. NICHOLLS, DATED JULY 12, 1965  
 REVISED OCT. 12, 1965

742



L E G E N D

Claim Boundary - - - - -  
Property Boundary (approx.) - - - - -  
Lake Outline - - - - -

ROLLING HILLS COPPER MINES LTD.

KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS MINING DIVISION #142

SHEET - 2

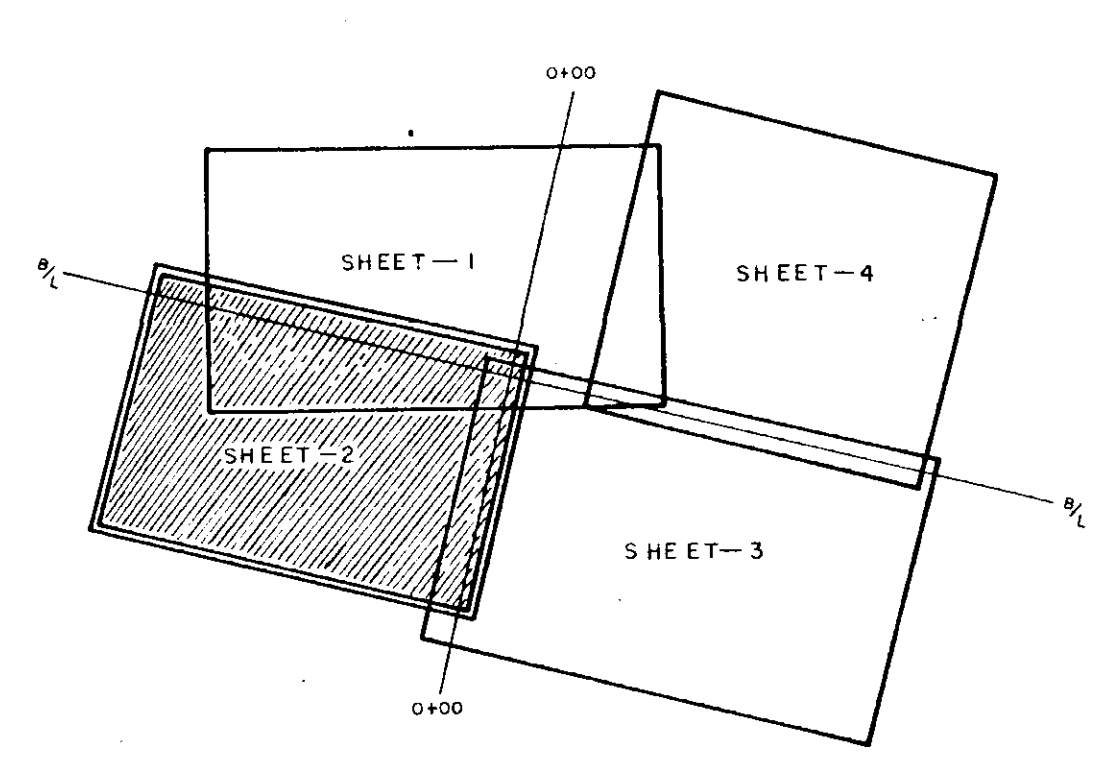
CLAIM MAP

SULMAC EXPLORATION SERVICES LIMITED  
APR - SEPT - 1965

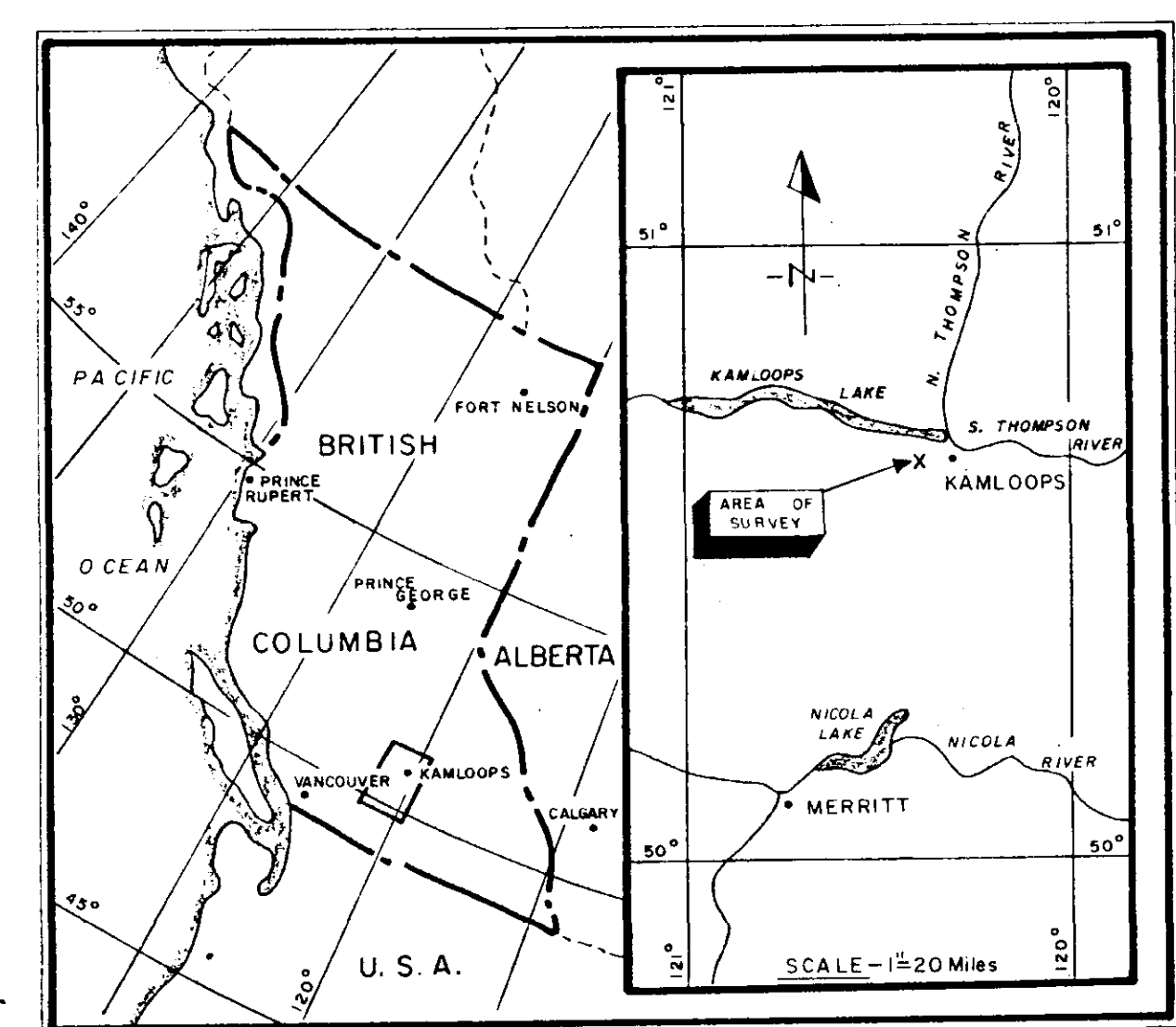
Scale 1" = 400 Feet  
E. B. NICHOLS  
Accompany report by E. B. Nicholls 12 Oct 1965  
DRAWN BY G. A. GRANT

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP #9

INDEX MAP



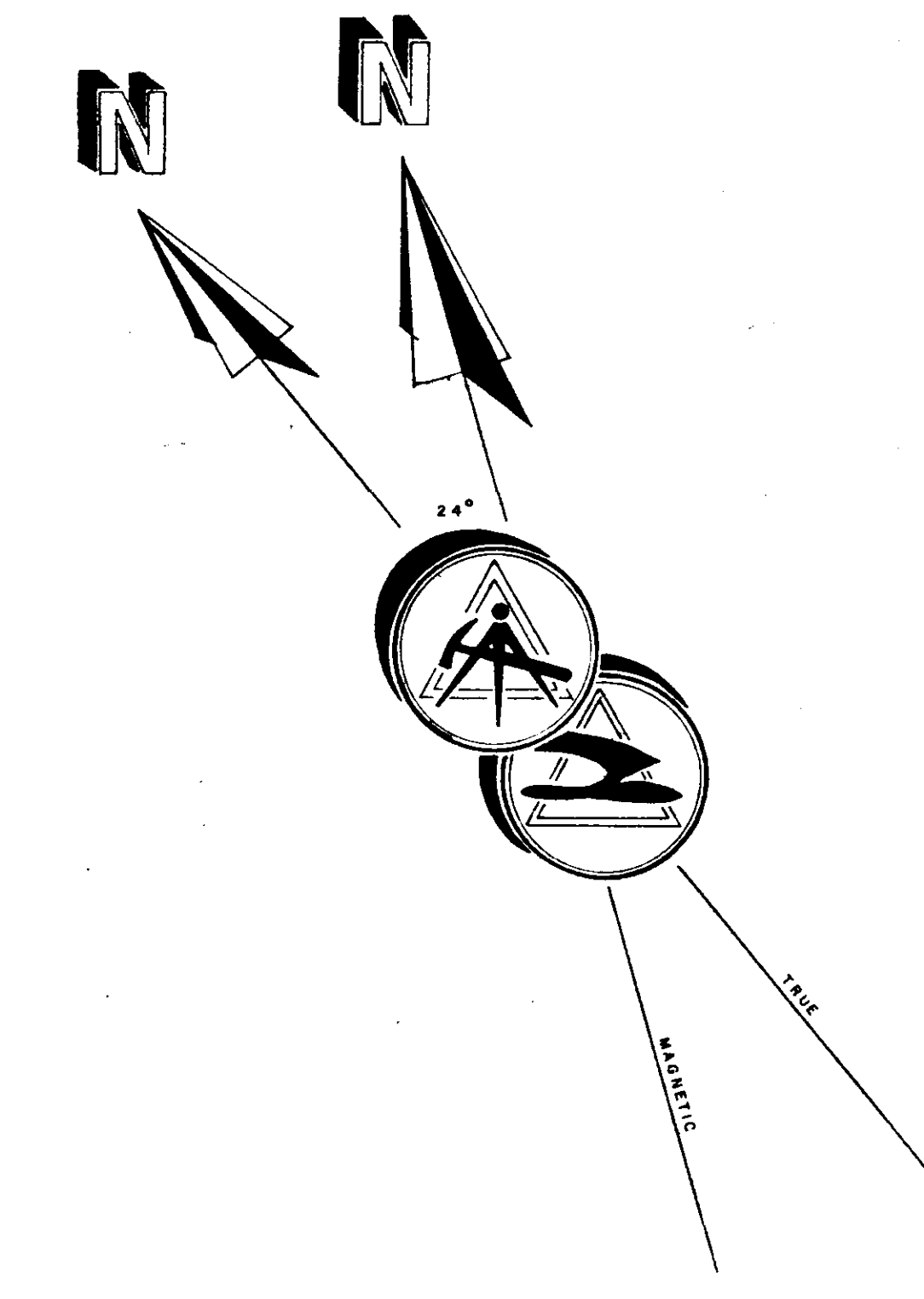
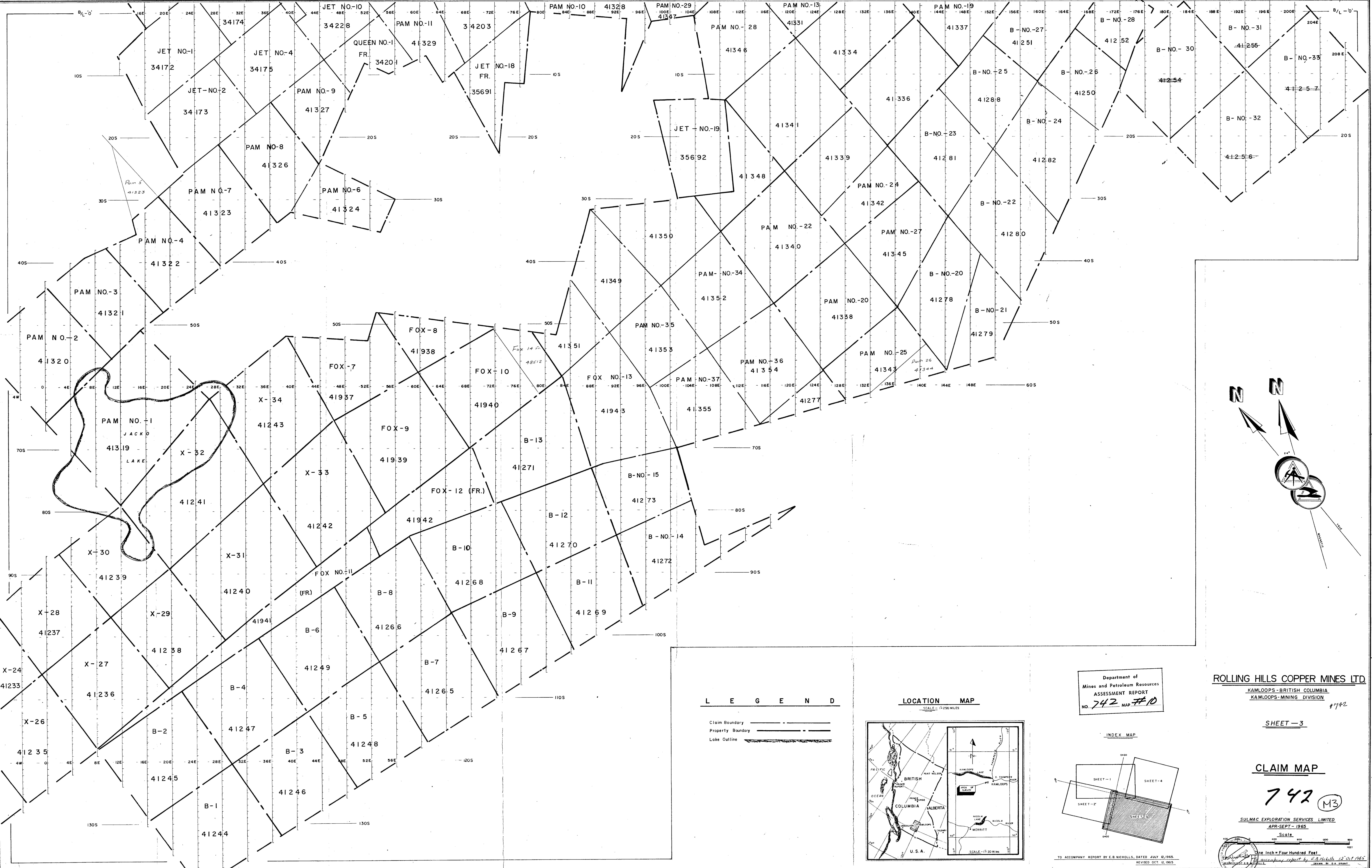
LOCATION MAP  
SCALE - 1:250 MILES



TO ACCOMPANY REPORT BY E. B. NICHOLS, DATED OCT. 12 1965

742

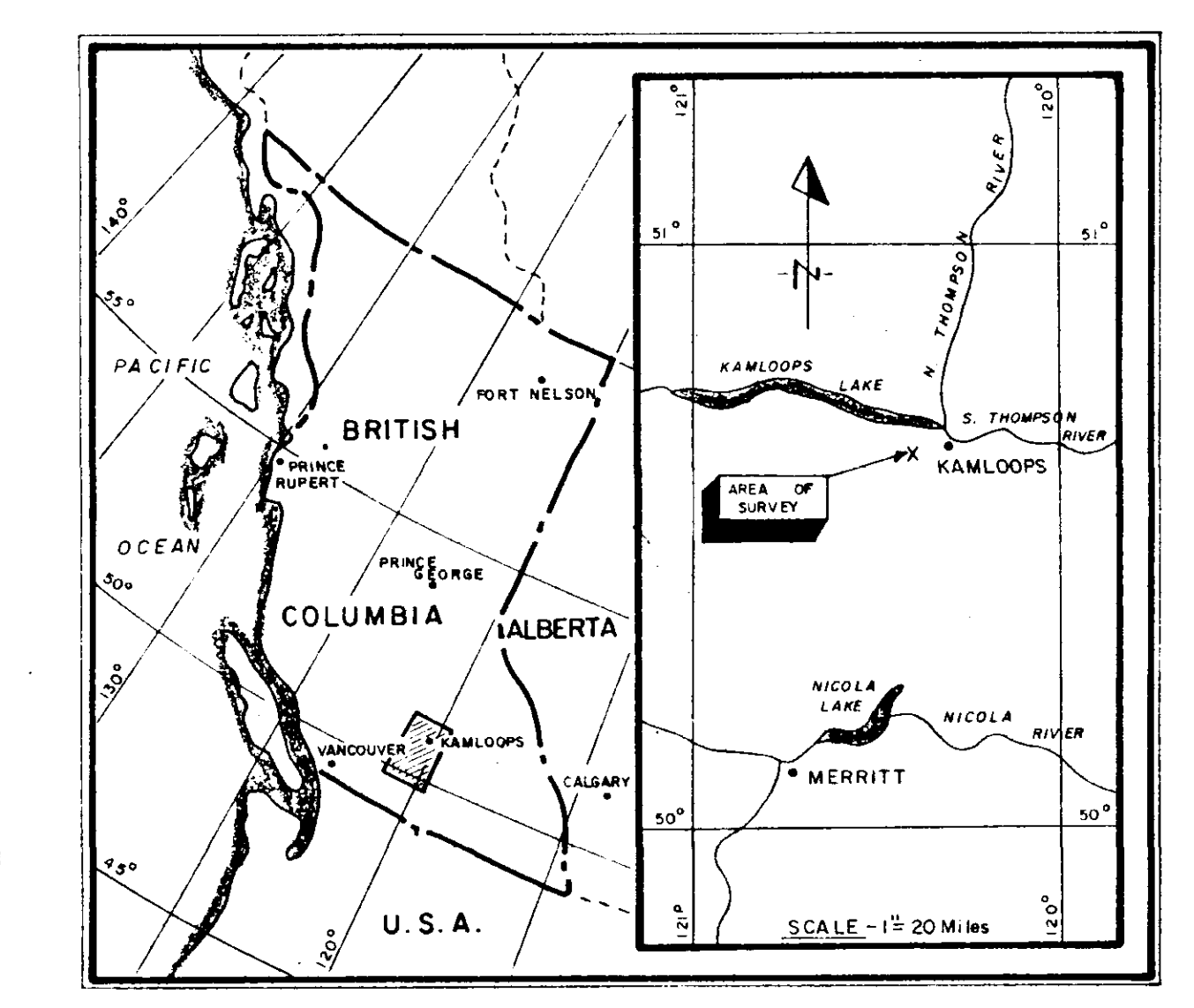




**L E G E N D**

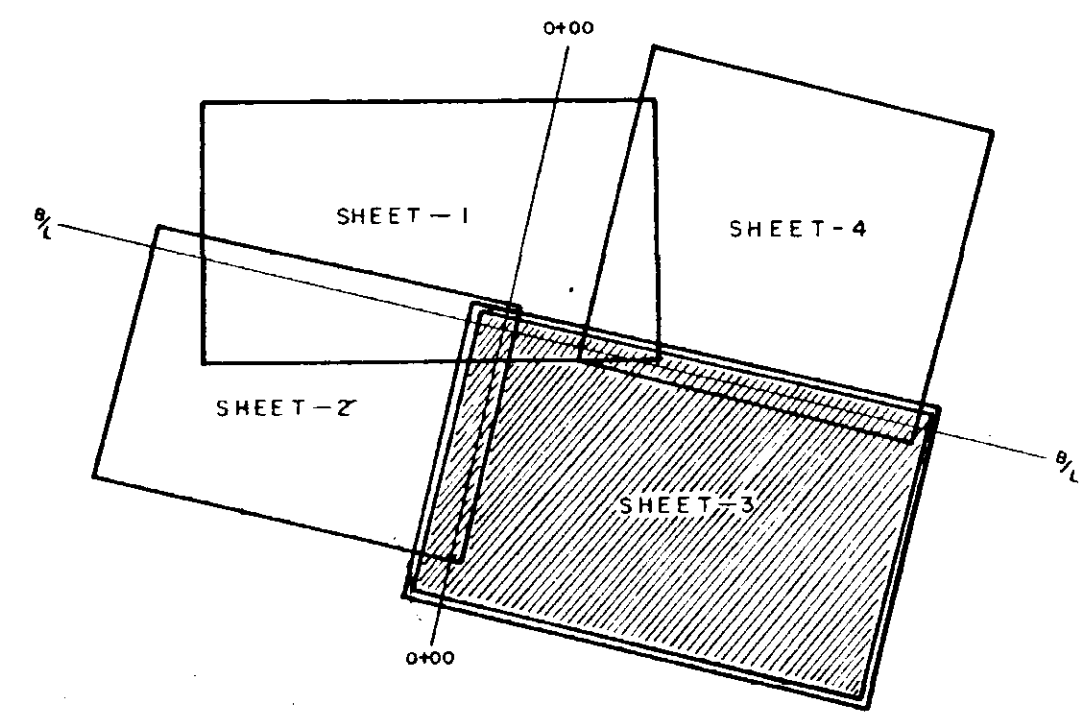
- Claim Boundary
- Property Boundary
- Lake Outline

**LOCATION MAP**



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **742** MAP # **10**

**INDEX MAP**



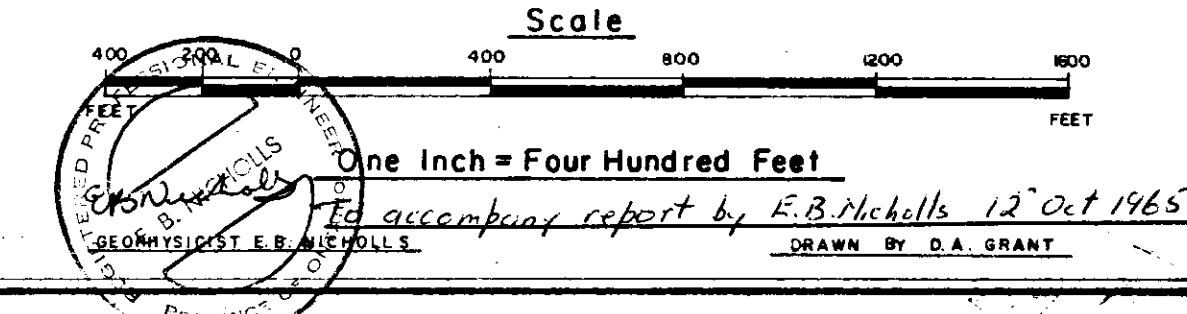
**ROLLING HILLS COPPER MINES LTD.**  
KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS - MINING DIVISION  
#1742

**SHEET - 3**

**CLAIM MAP**

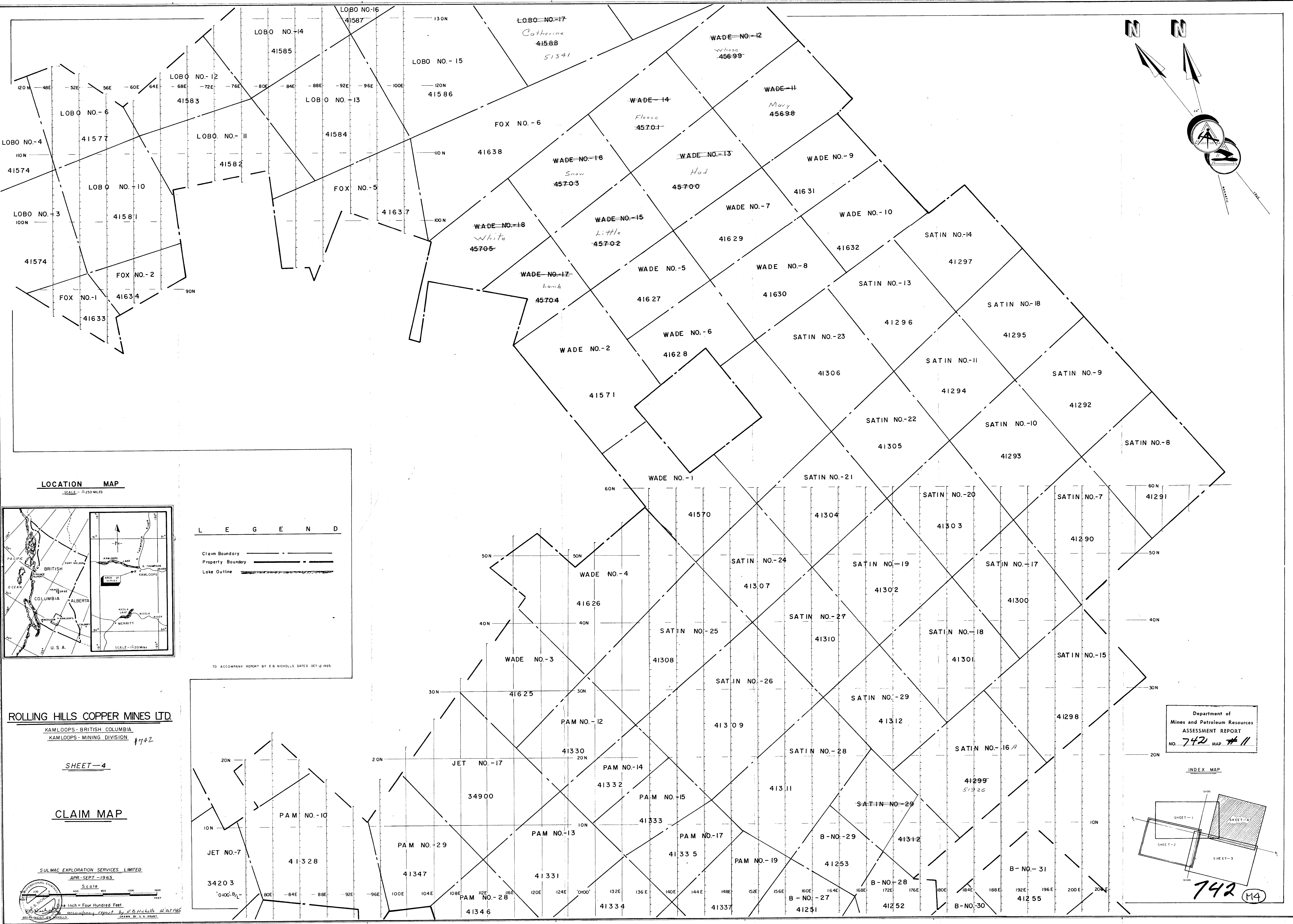
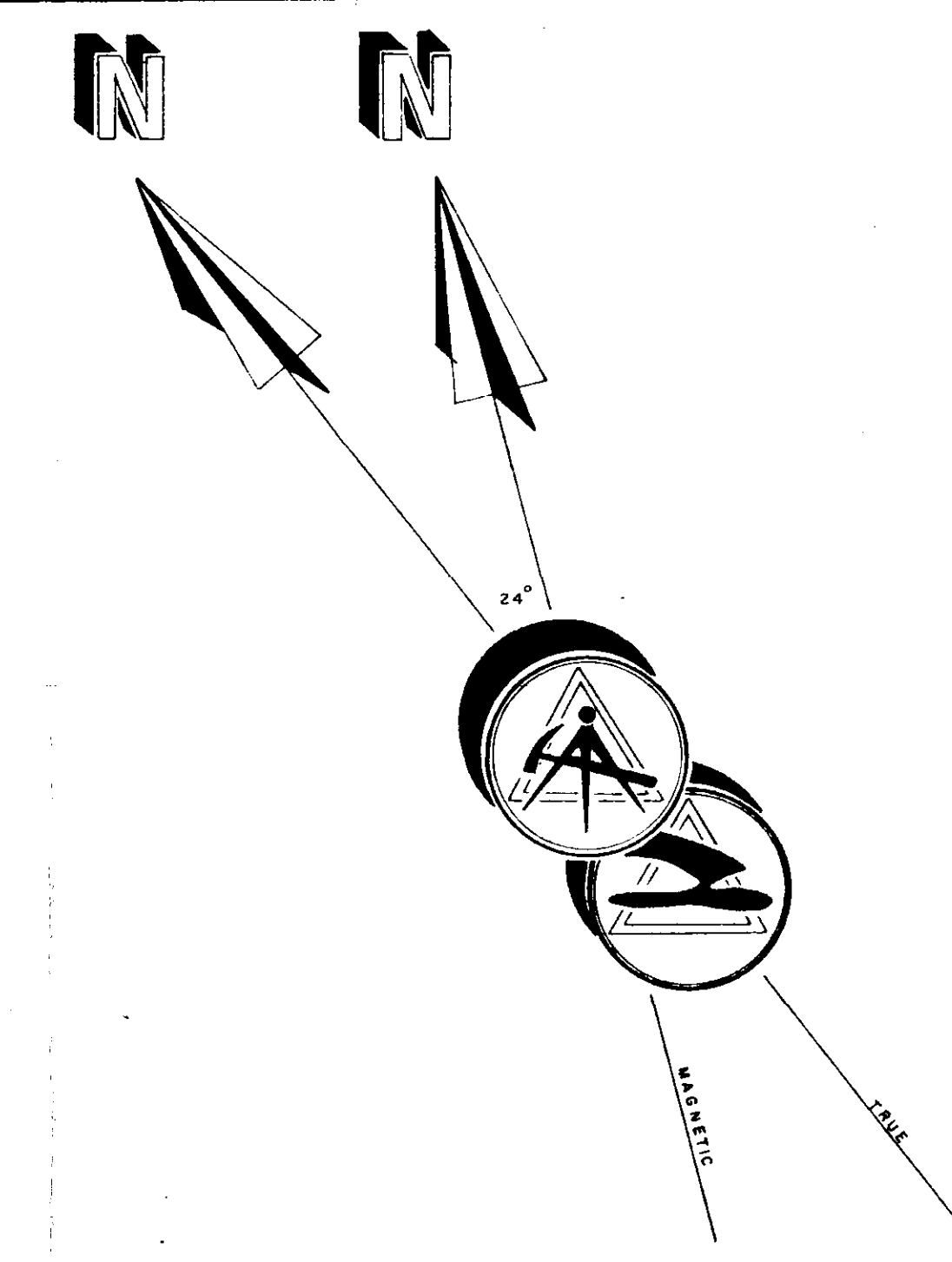
**742** (M3)

SULMAC EXPLORATION SERVICES LIMITED  
APR-SEPT - 1965

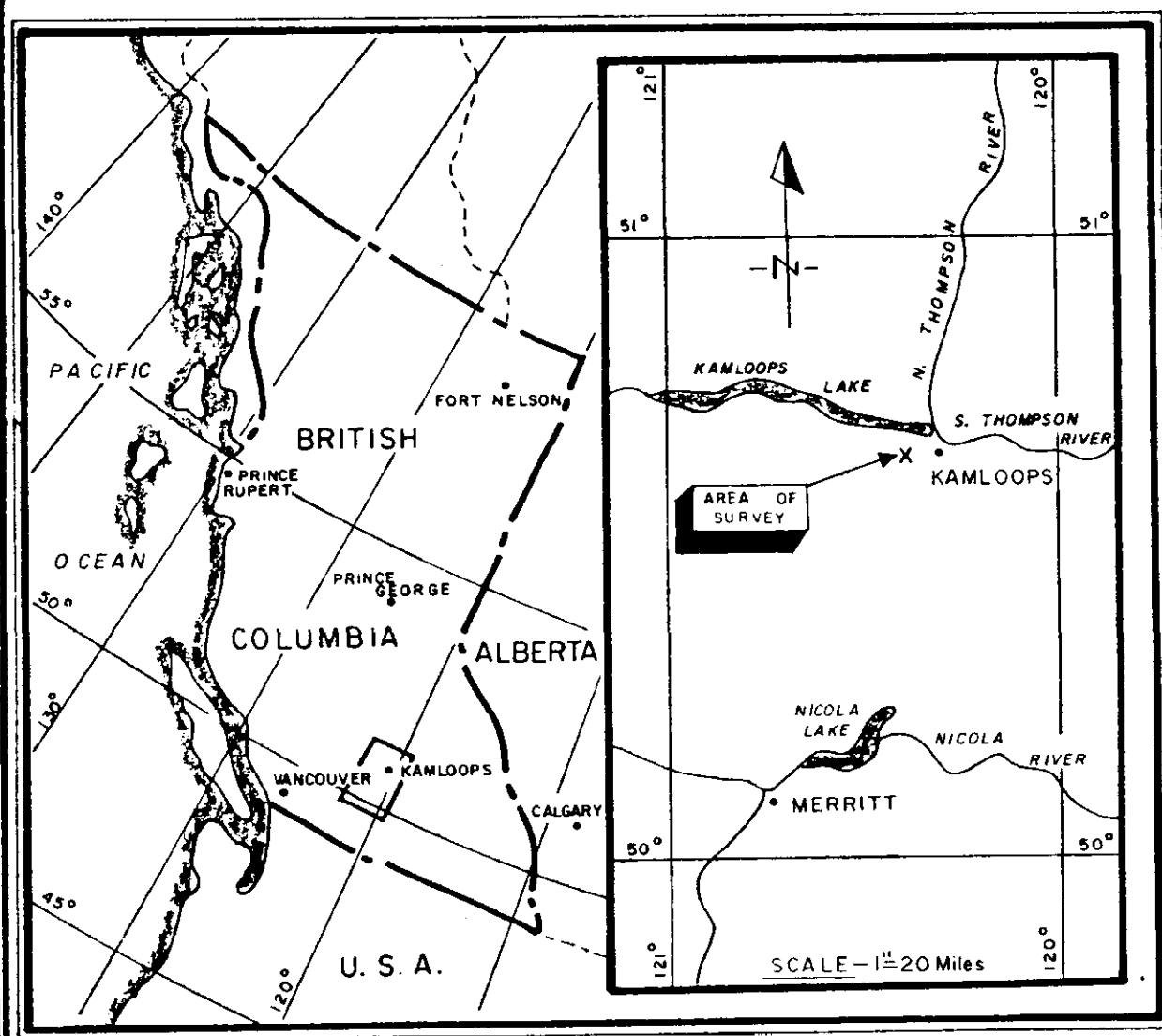


TO ACCOMPANY REPORT BY E.B. NICHOLLS, DATED JULY 12, 1965.  
REVISED OCT. 12, 1965.





LOCATION MAP  
SCALE - 1:250,000



L E G E N D

Claim Boundary	---
Property Boundary	---
Lake Outline	---

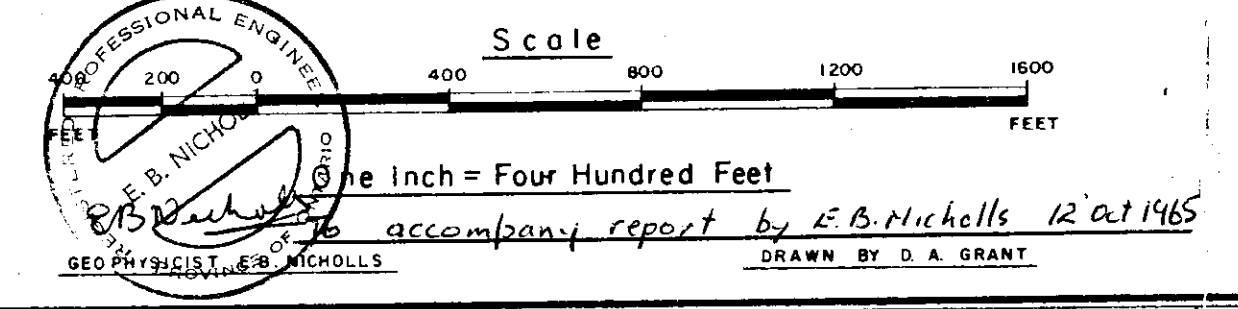
TO ACCOMPANY REPORT BY E.B. NICHOLLS DATED OCT. 12, 1965.

ROLLING HILLS COPPER MINES LTD.  
KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS - MINING DIVISION #142

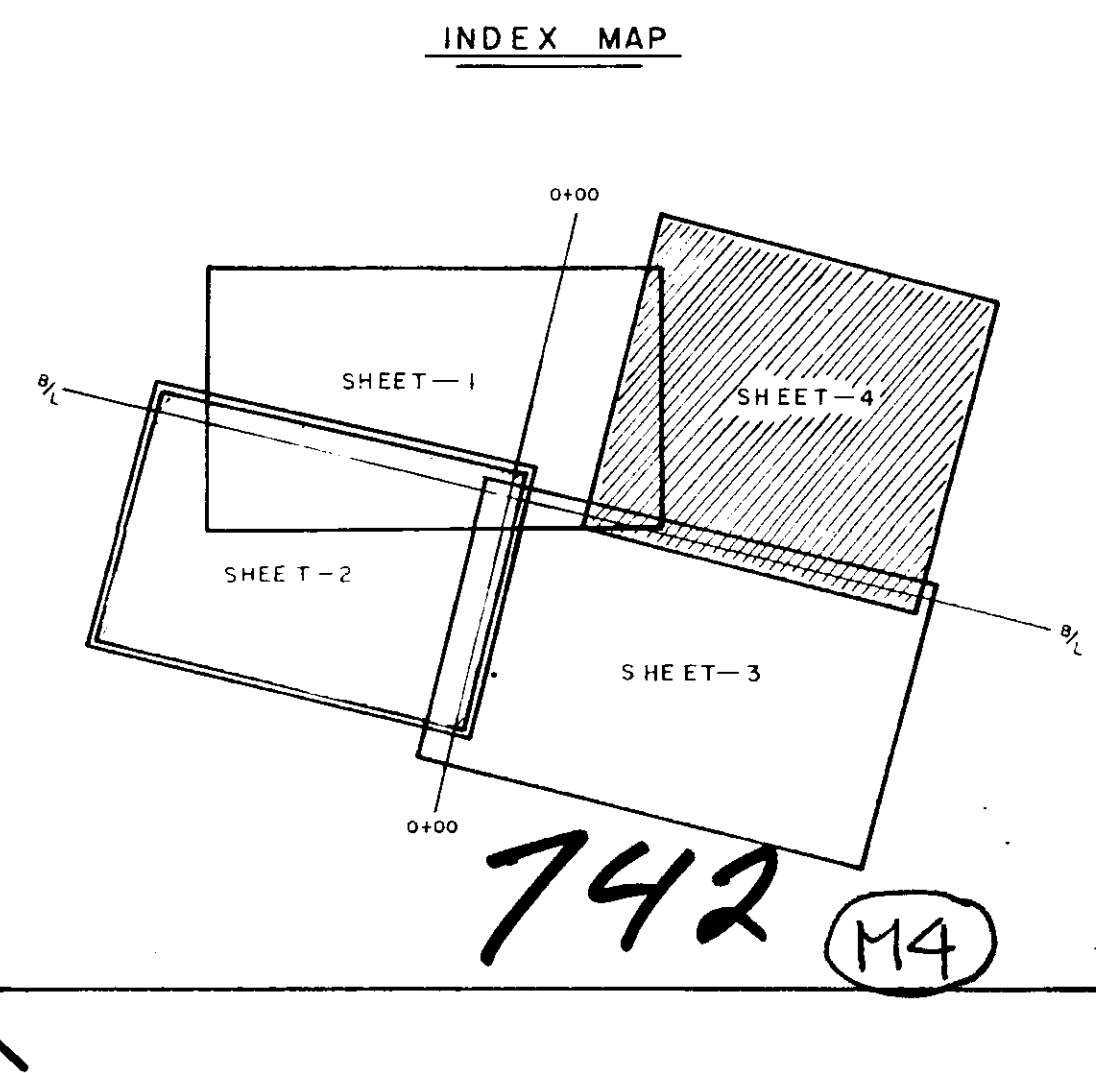
SHEET - 4

CLAIM MAP

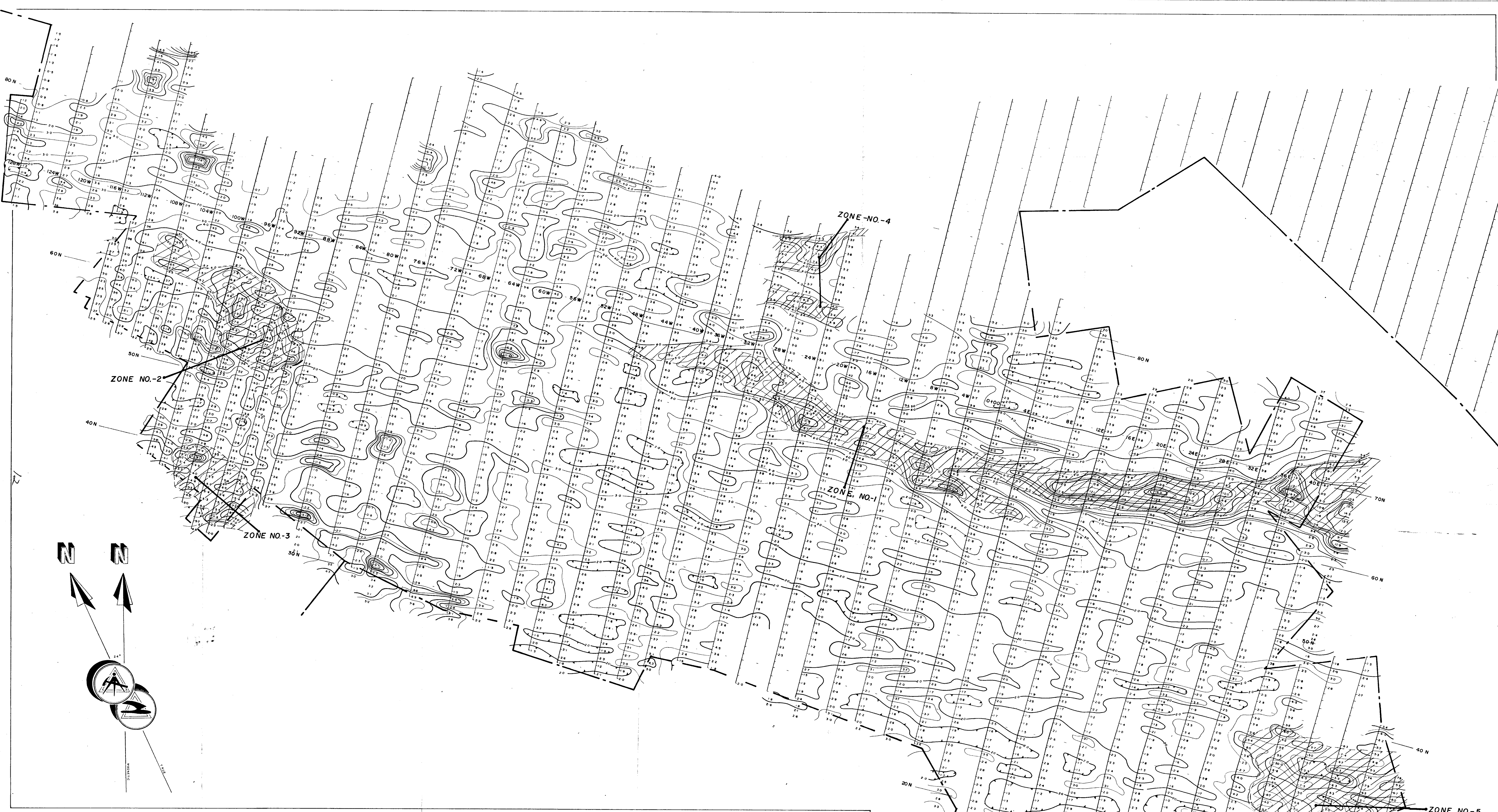
SULMAC EXPLORATION SERVICES LIMITED  
APR - SEPT - 1965



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP # 11





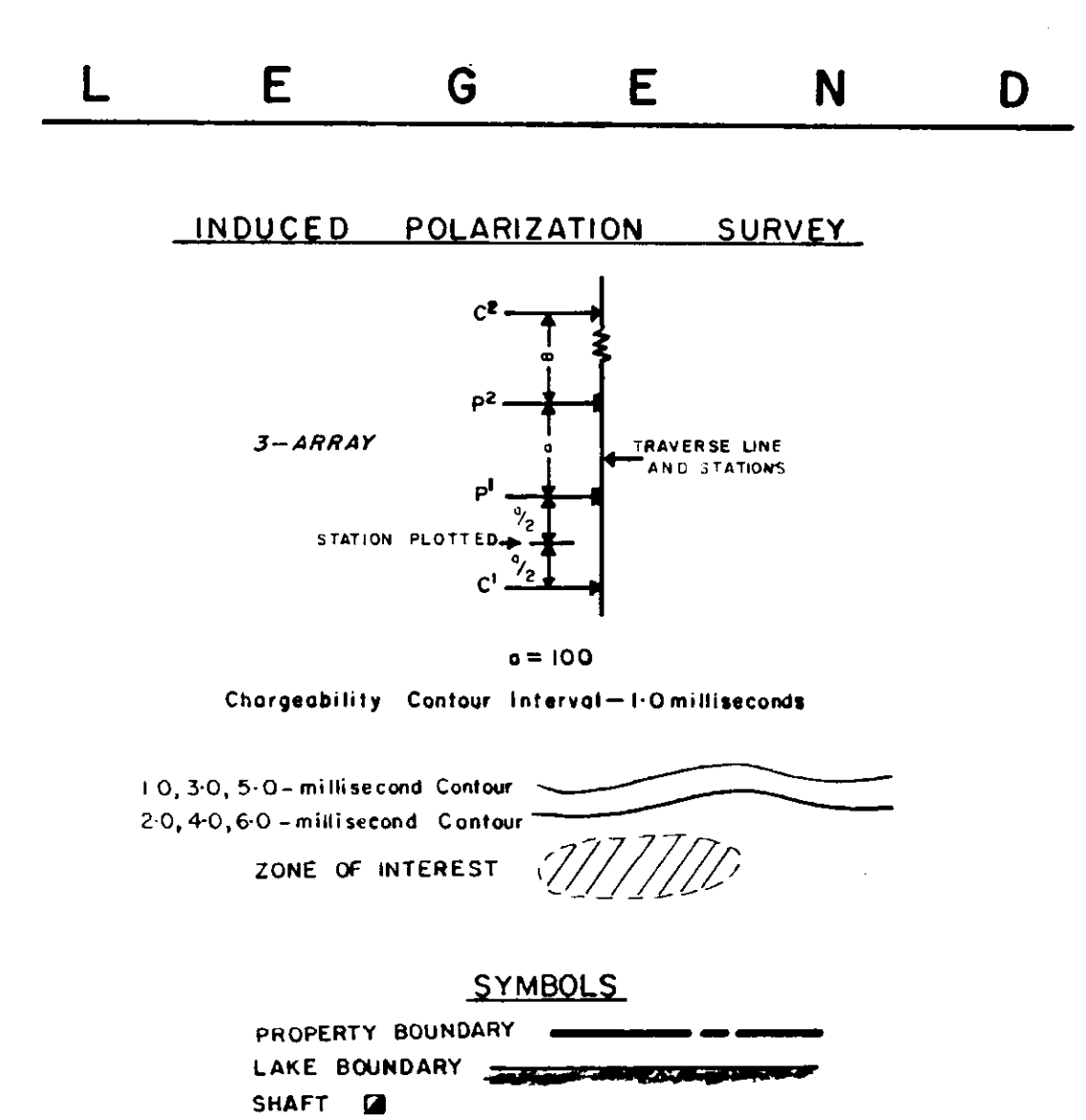
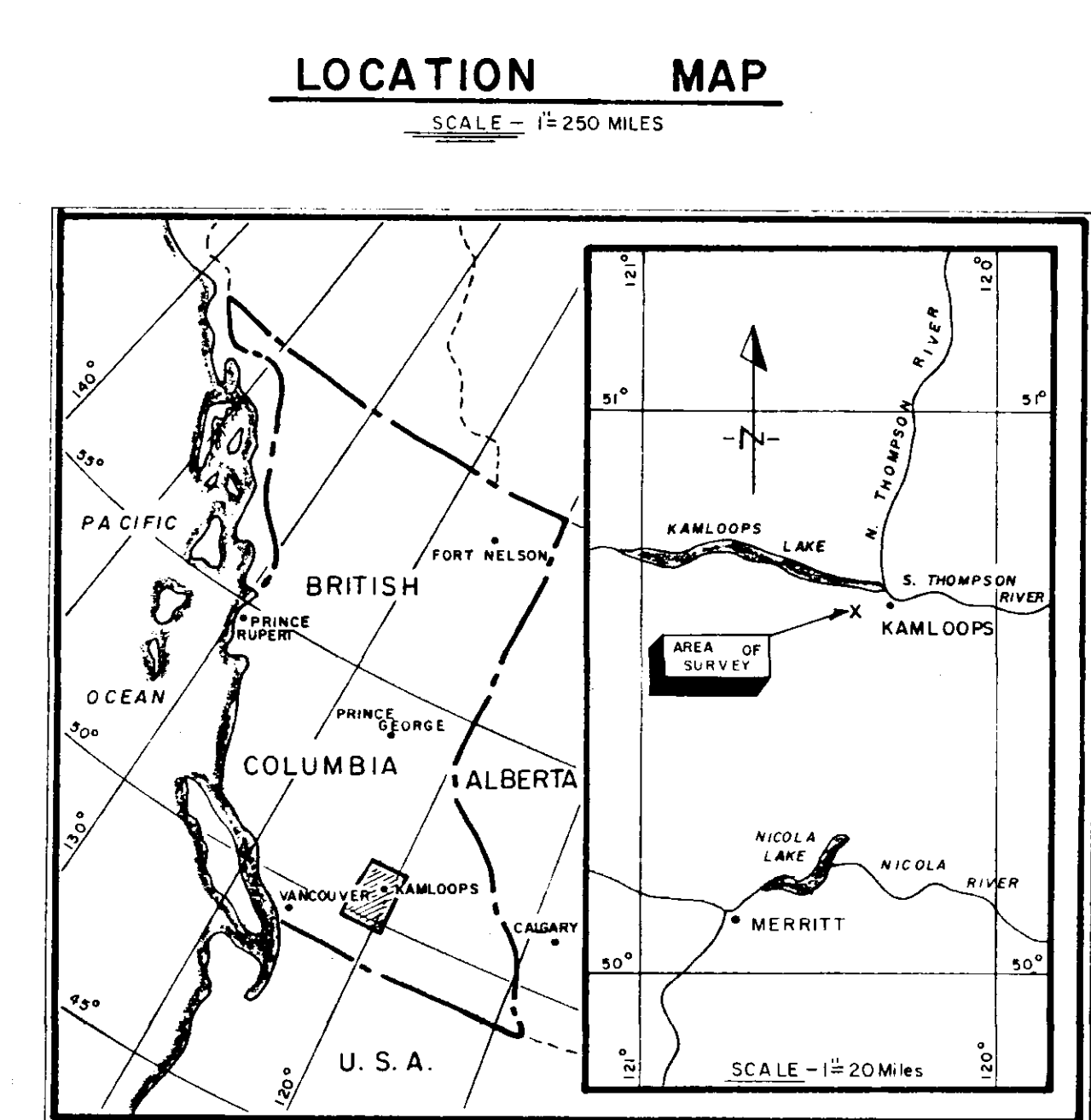
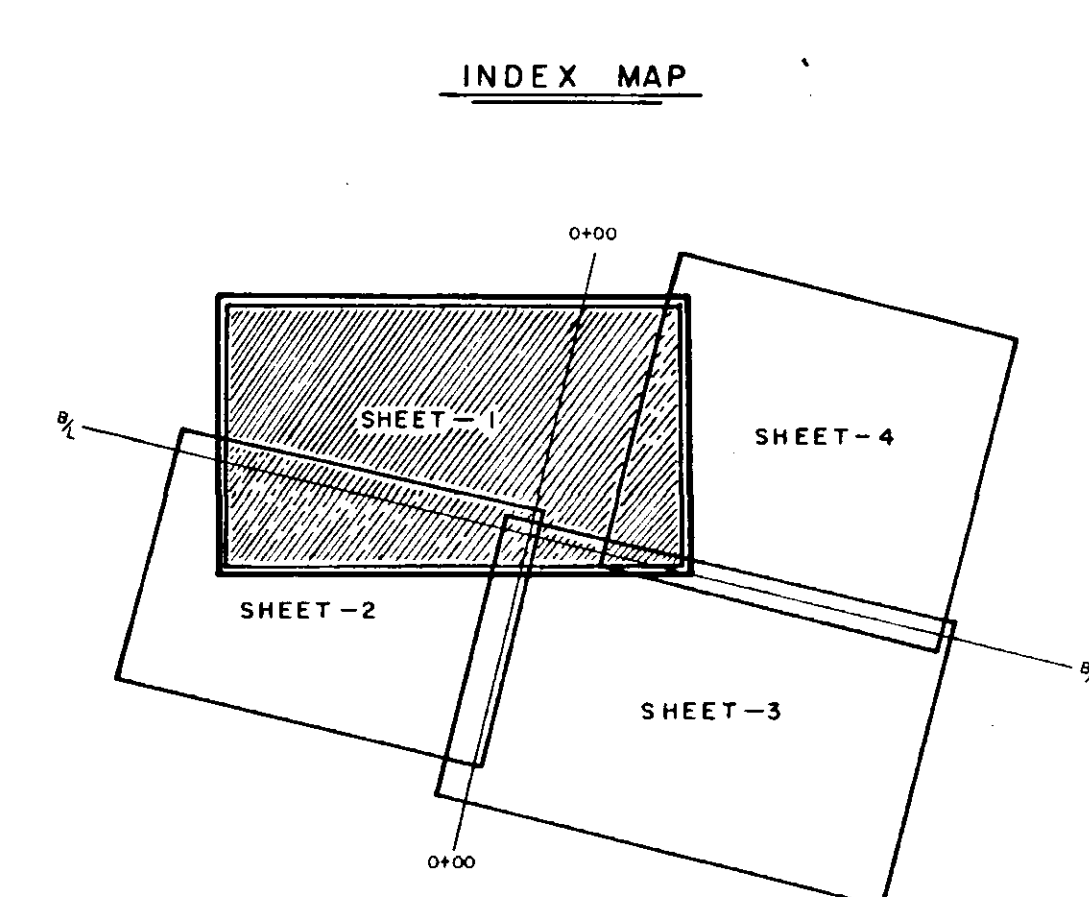


**ROLLING HILLS COPPER MINES LTD.**  
 KAMLOOPS-BRITISH COLUMBIA  
 KAMLOOPS-MINING DIVISION

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP #12

SHEET - 1  
 (MAKAO CLAIMS)  
INDUCED POLARIZATION  
SURVEY  
CHARGEABILITY

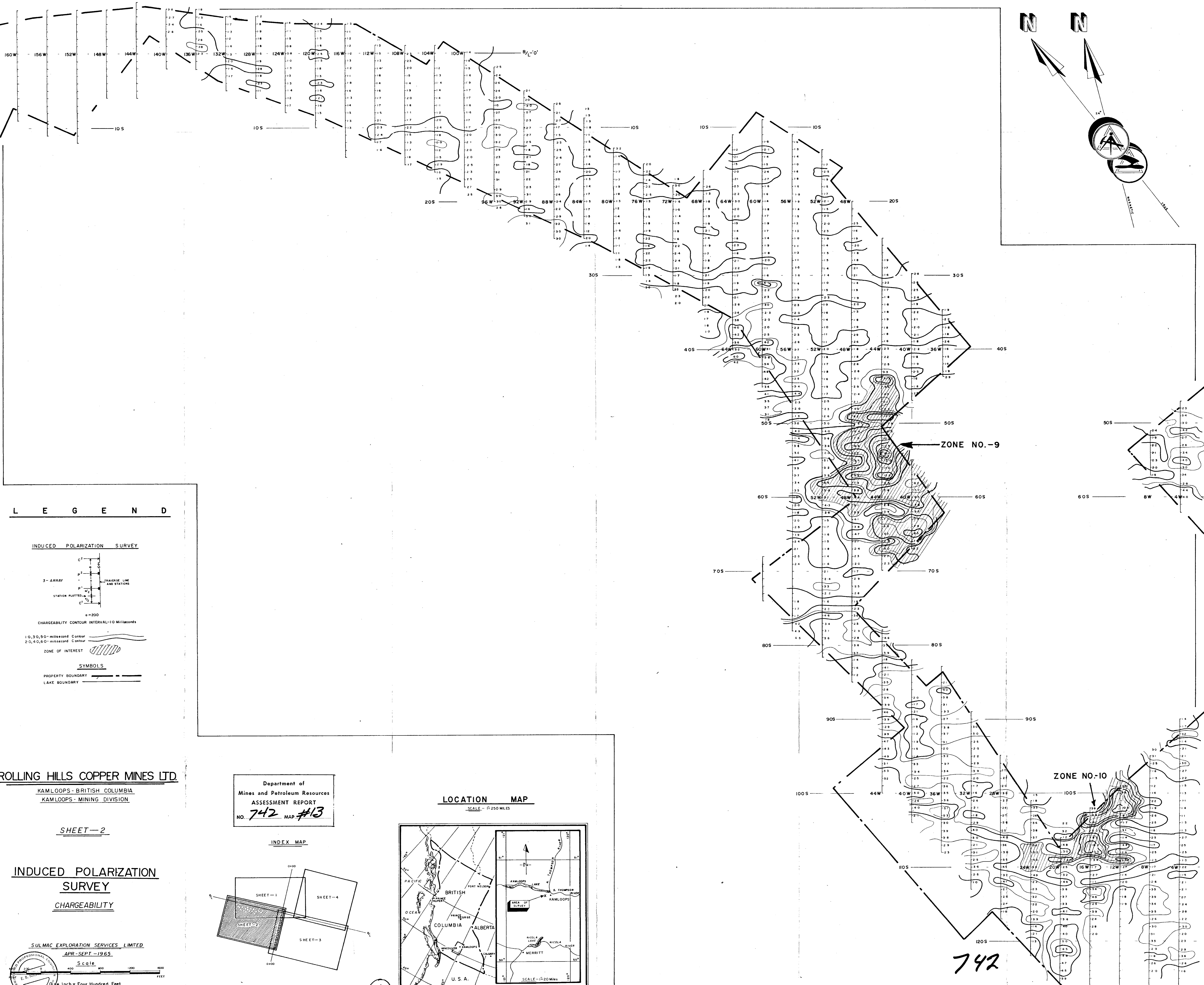
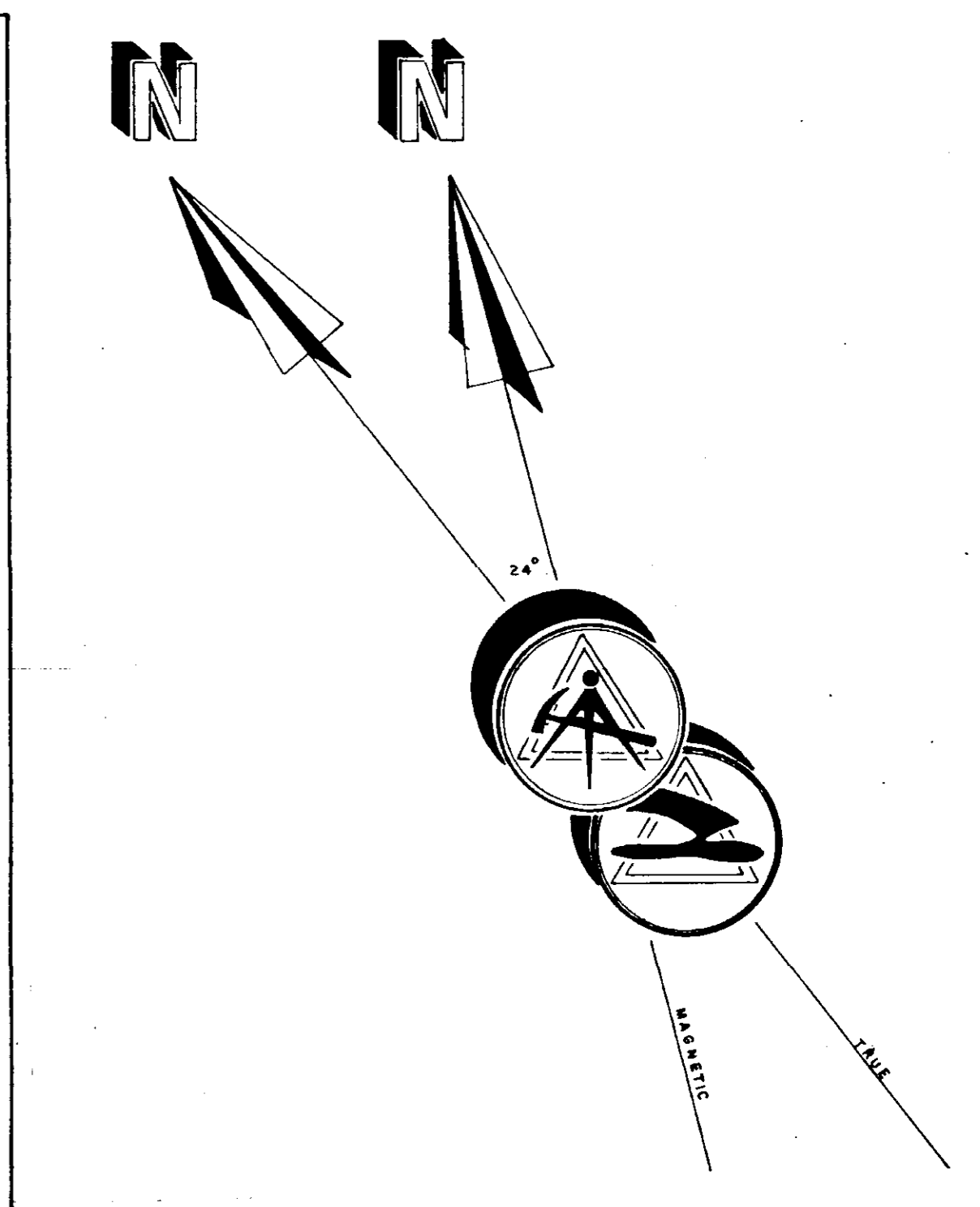
SULMAC EXPLORATION SERVICES LIMITED  
 APR-SEPT-1965  
 Scale  
 One Inch = Four Hundred Feet  
 Assuming report by E. B. Nicholls 12 Oct 1965  
 DRAWN BY G. A. SMITH



742

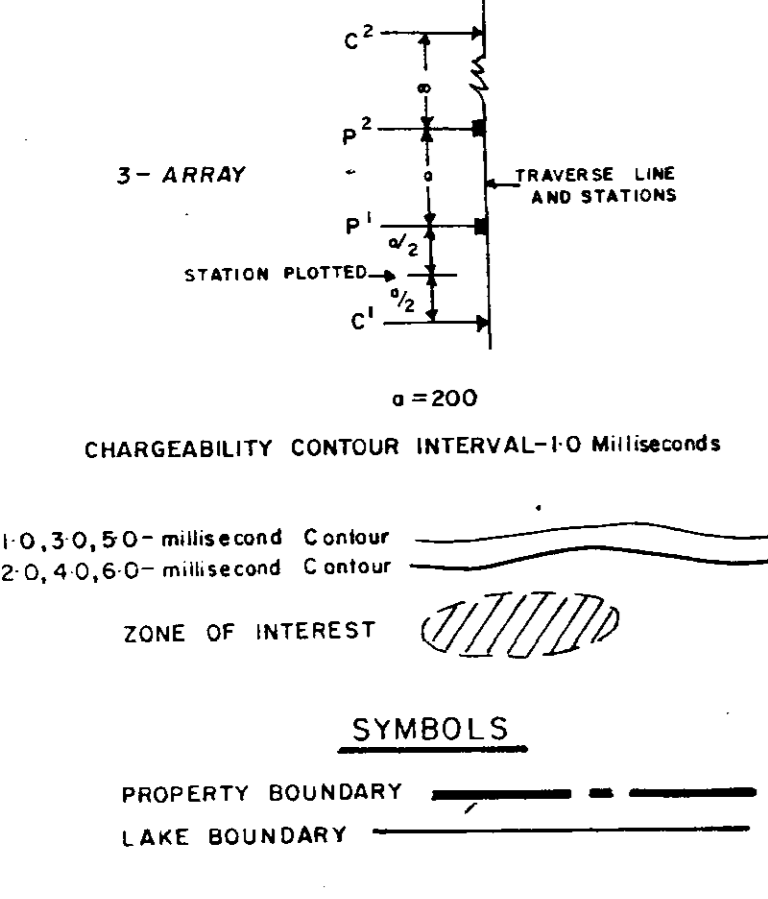
MS





**LEGEND**

**INDUCED POLARIZATION SURVEY**



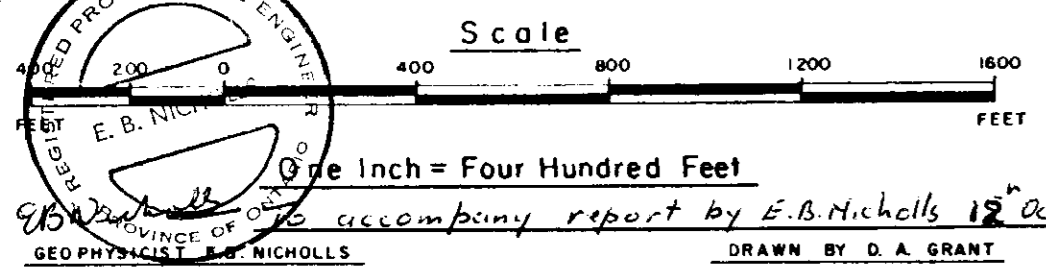
**ROLLING HILLS COPPER MINES LTD.**

KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS - MINING DIVISION

**SHEET - 2**

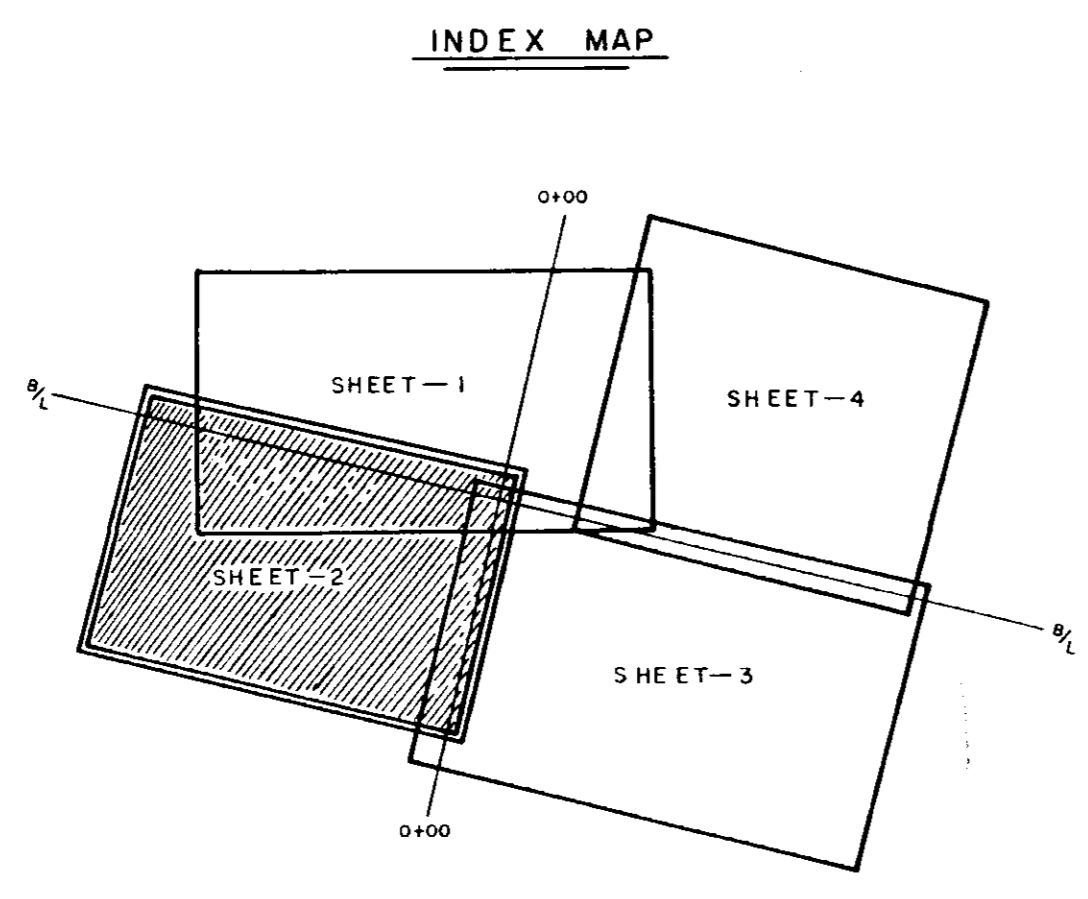
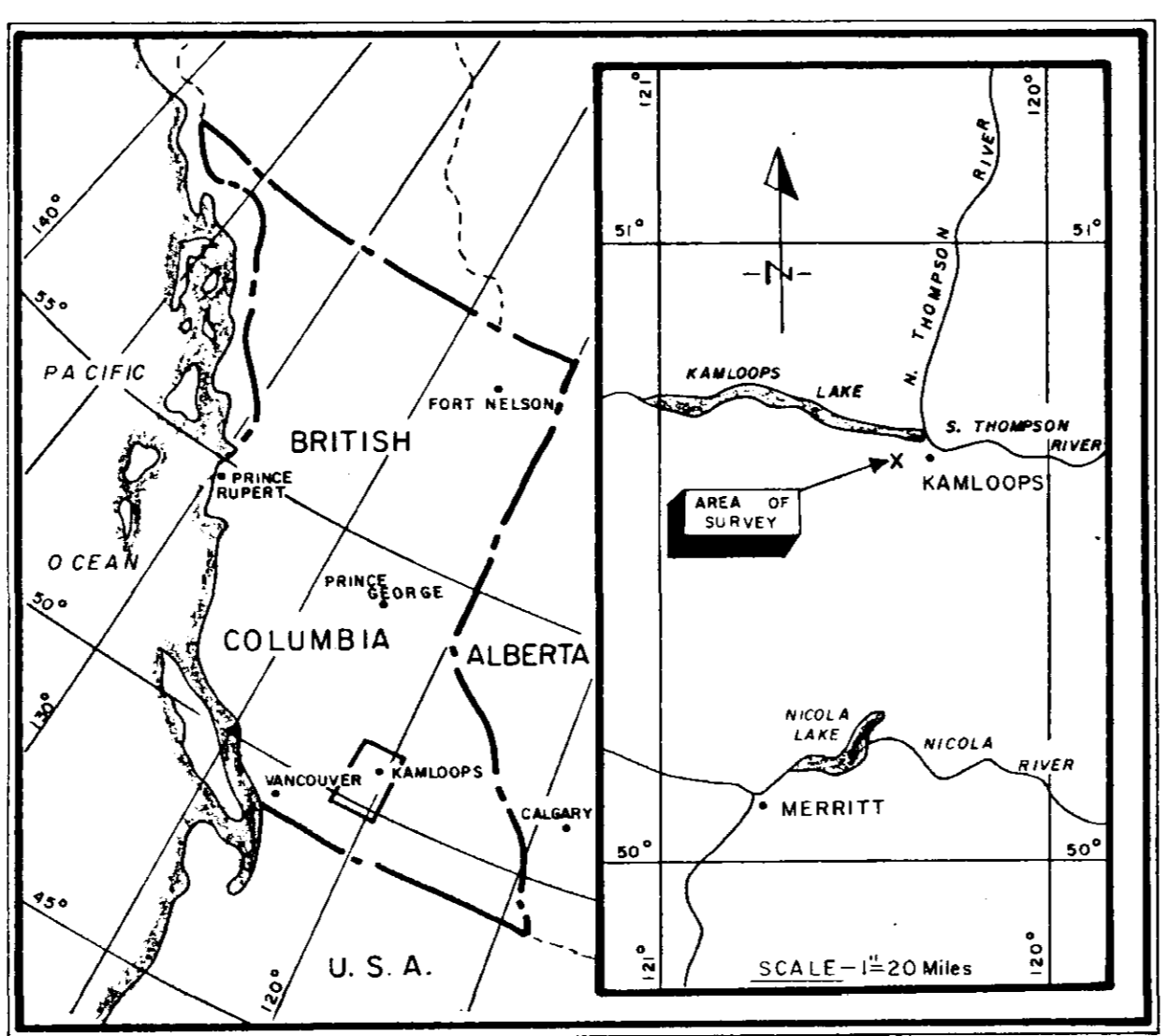
**INDUCED POLARIZATION SURVEY  
CHARGEABILITY**

SULMAC EXPLORATION SERVICES LIMITED  
APR - SEPT - 1965



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP #13

**LOCATION MAP**

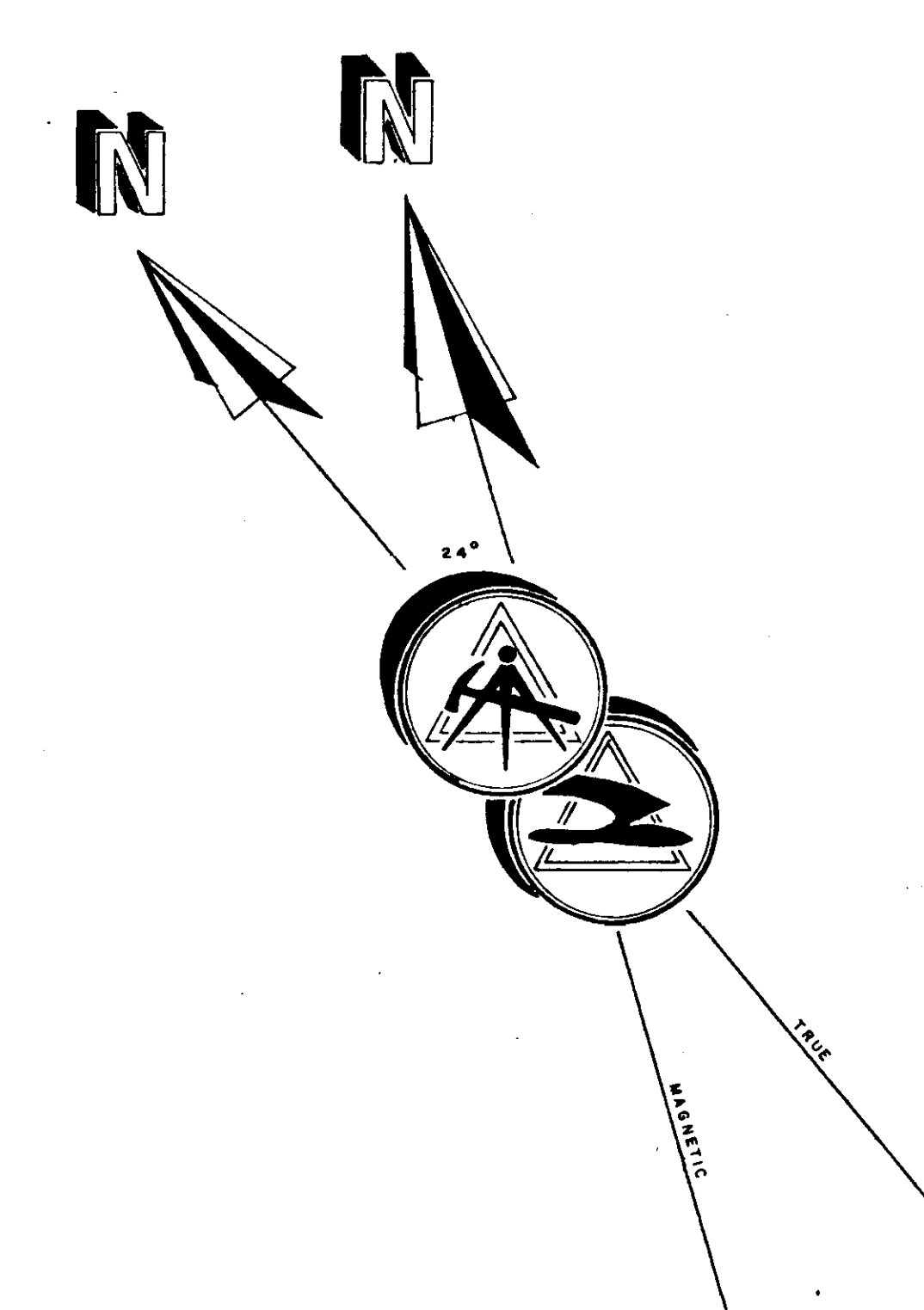
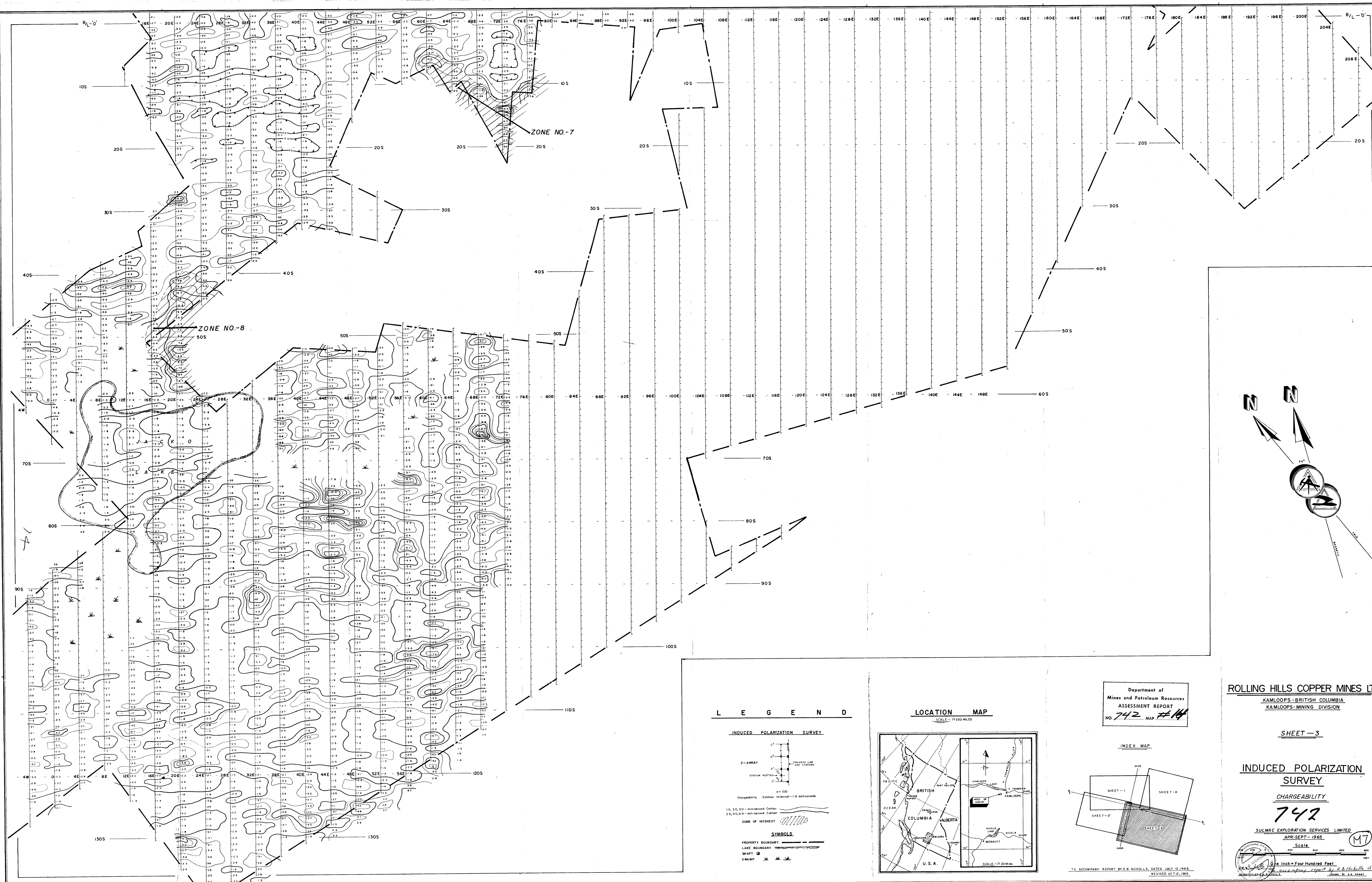


TO ACCOMPANY REPORT BY E.B. NICHOLS DATED OCT 12 1965

M6

742

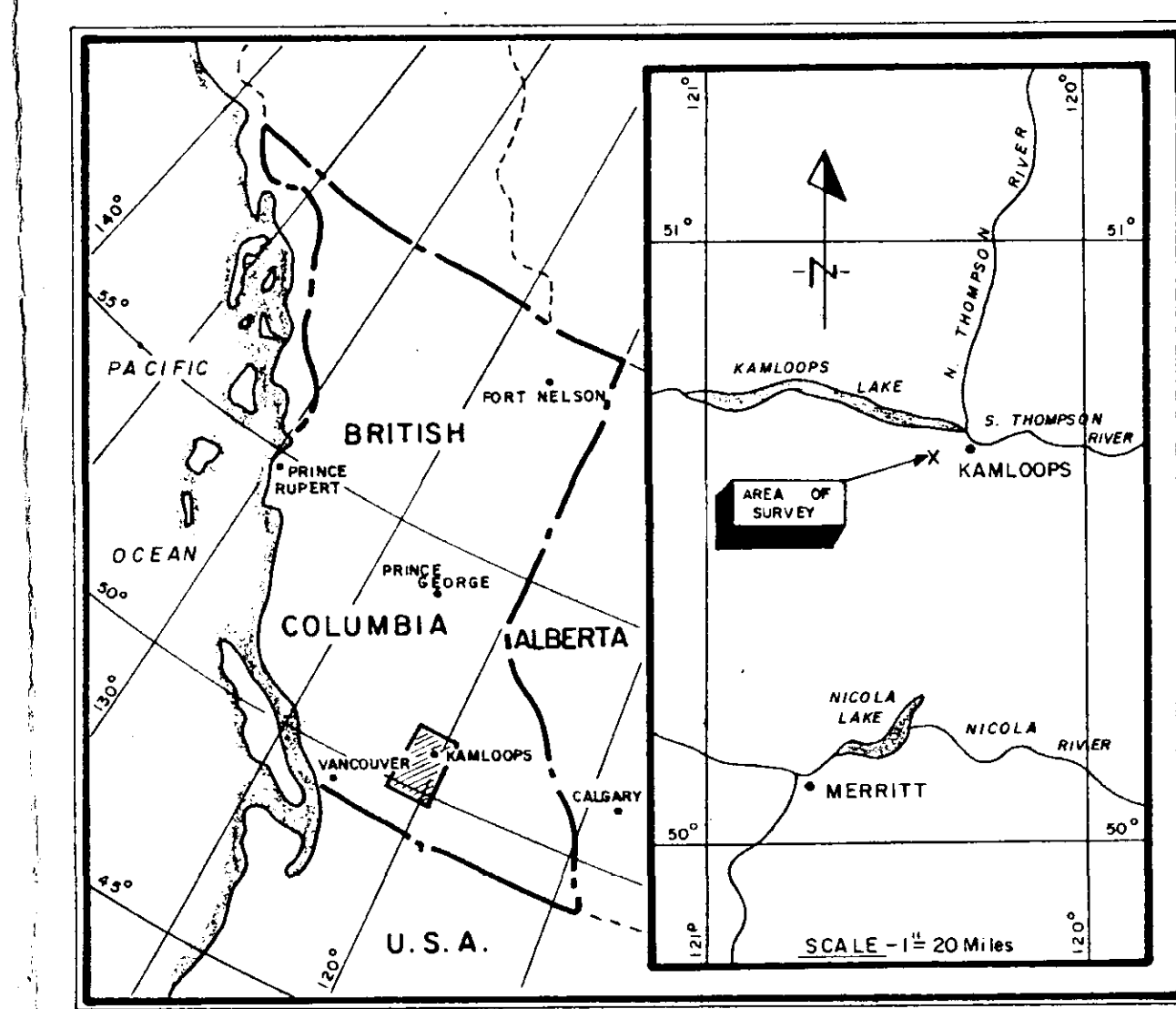




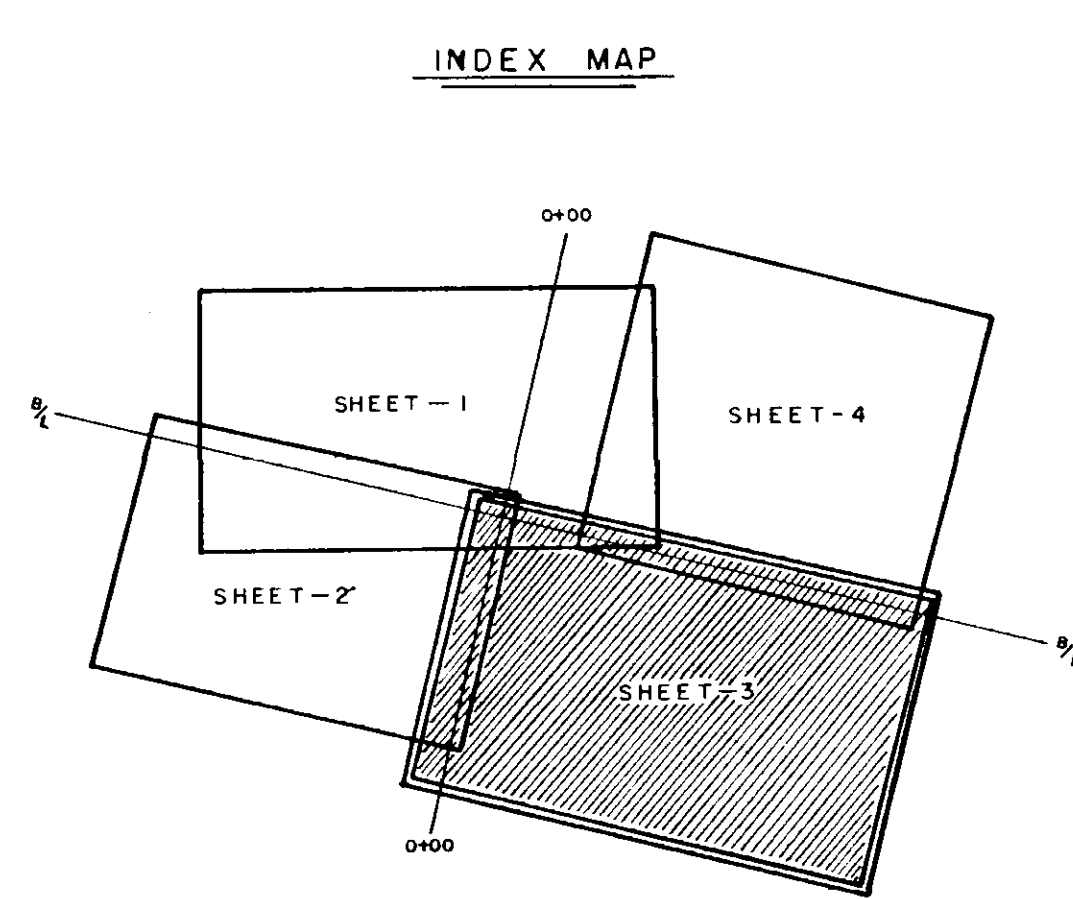
**L E G E N D**

- INDUCED POLARIZATION SURVEY**
- 3-ARRAY
  - STATION PLOT
  - CHARGEABILITY Contour Interval - 10 milliseconds
  - 10, 30, 50 - millisecond Contour
  - 20, 40, 60 - millisecond Contour
  - ZONE OF INTEREST
- SYMBOLS**
- PROPERTY BOUNDARY
  - LAKE BOUNDARY
  - SHAFT
  - SWAMP

**LOCATION MAP**



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP # 14



**ROLLING HILLS COPPER MINES LTD.**  
KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS-MINING DIVISION

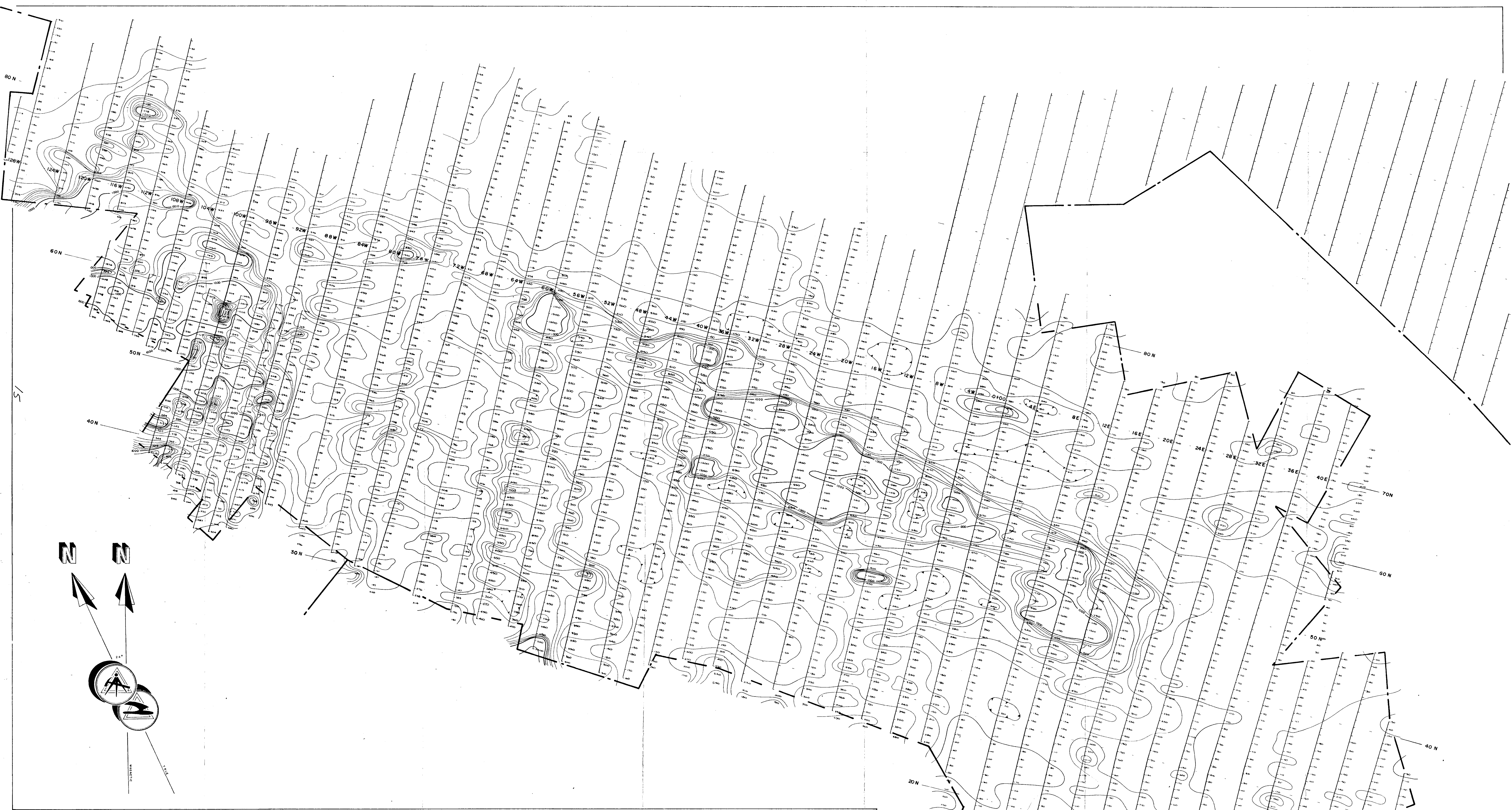
SHEET - 3

**INDUCED POLARIZATION SURVEY**  
CHARGEABILITY  
**742**

SULMAC EXPLORATION SERVICES LIMITED  
APR-SEPT - 1965

Scale: 1 inch = Four Hundred Feet  
TO ACCOMPANY REPORT BY E.B. NICHOLS, DATED JULY 12, 1965.  
REVISED OCT. 12, 1965.  
DRAWN BY G.A. SHANT





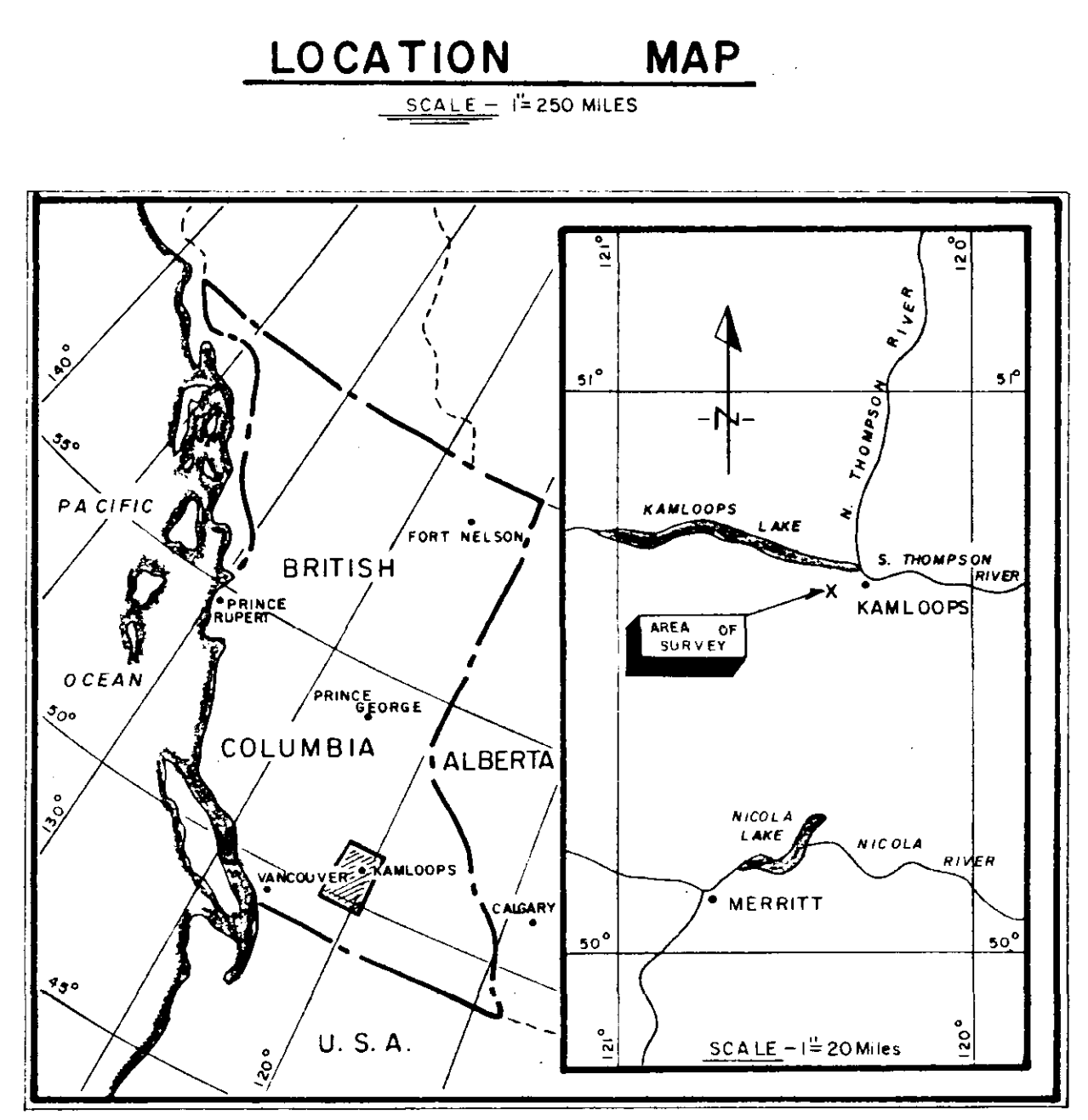
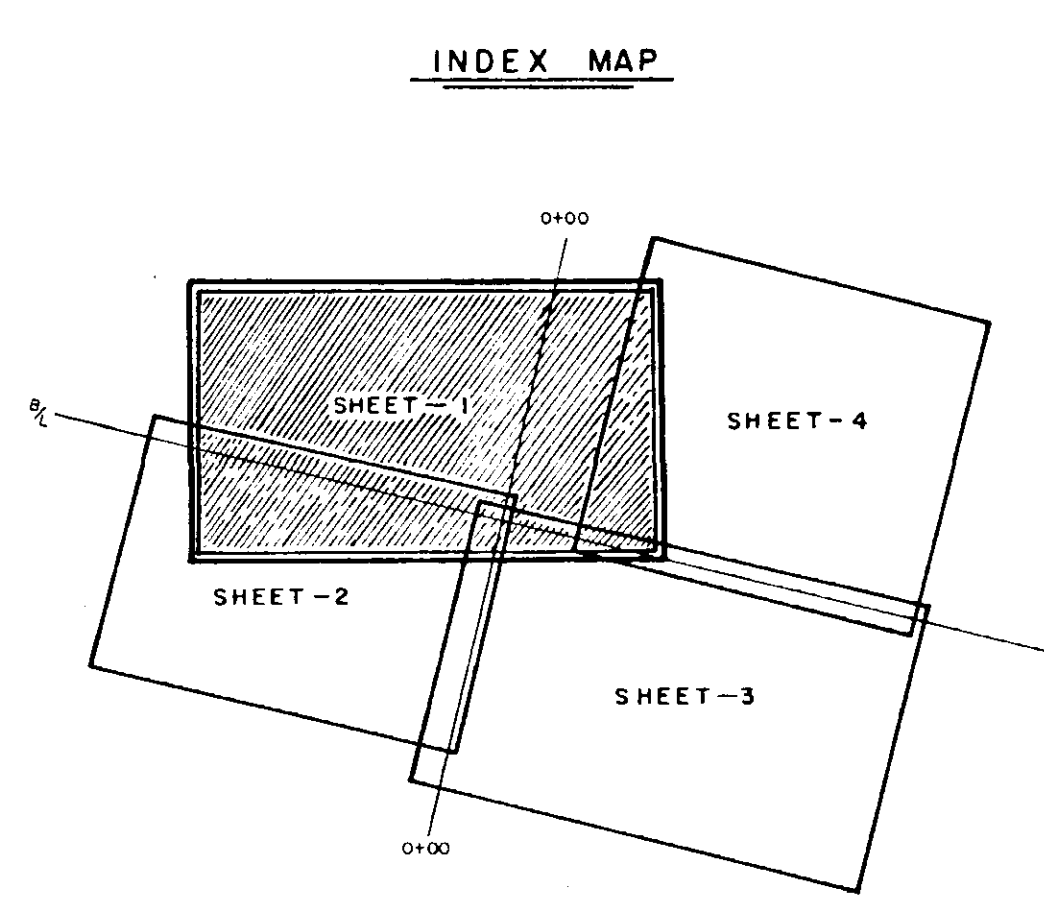
**ROLLING HILLS COPPER MINES LTD.**  
 KAMLOOPS - BRITISH COLUMBIA  
 KAMLOOPS - MINING DIVISION

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP #15

SHEET - 1  
 (MAKAOO CLAIMS)

**INDUCED POLARIZATION  
 SURVEY**  
 RESISTIVITY

SULMAC EXPLORATION SERVICES LIMITED  
 APR-SEPT-1965  
 Scale 1" = 400 Feet  
 1" = 400 Feet  
 Accompany report by E.B. Nicholls, dated 12/12/1965  
 DRAWN BY D.A. GRANT

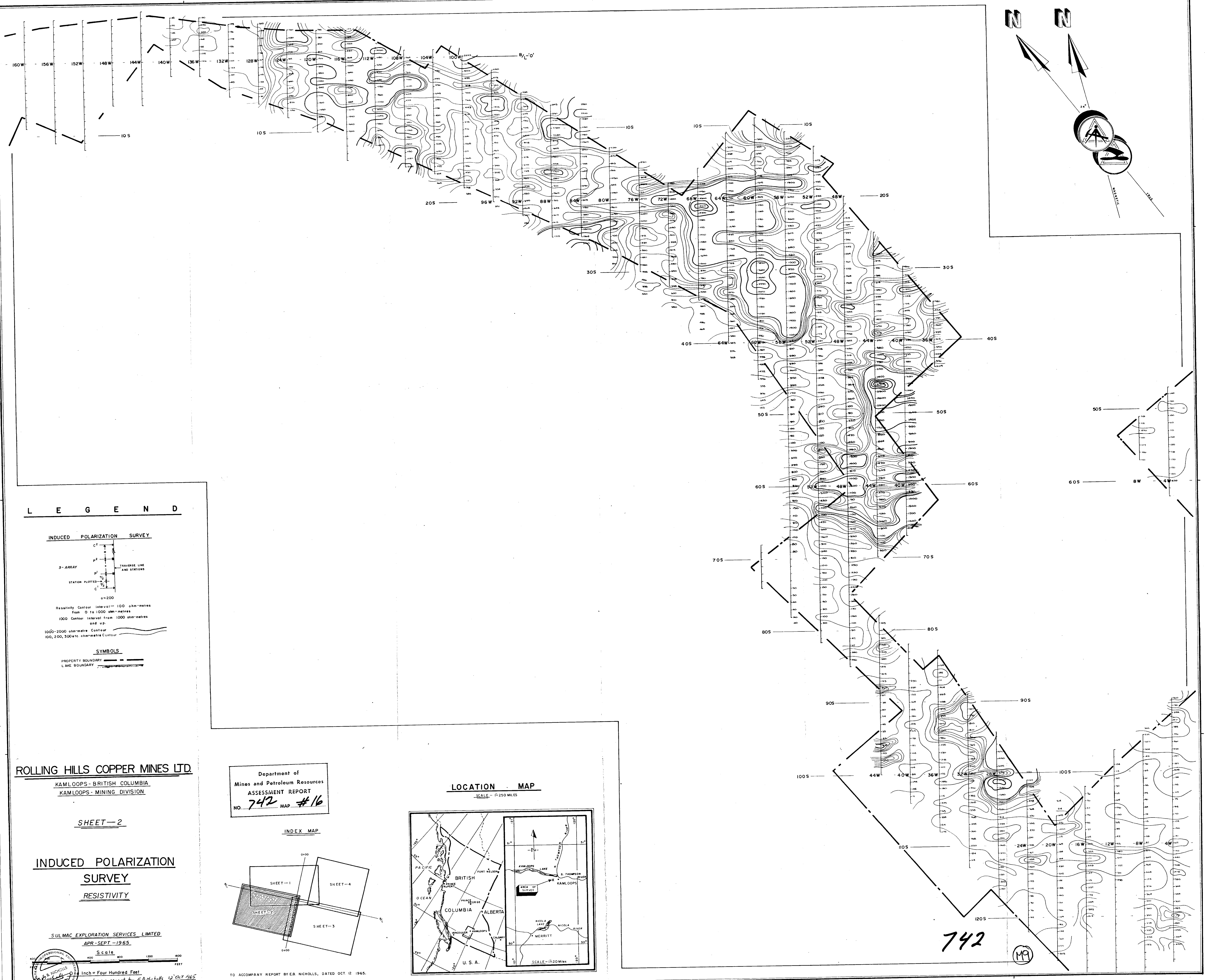


**L E G E N D**  
 INDUCED POLARIZATION SURVEY  
 3-ZONE  
 STATION PLOTTED  
 TRANSVERSE LINE AND STATIONS  
 RESISTIVITY Contour Interval - 100 ohm-meters  
 From 0 to 1000 ohm-meters  
 1000 Contour Interval From 1000 ohm-meters  
 and up  
 1000-2000 ohm-meter Contour  
 100, 200, 300 etc. ohm-meter Contour  
 SYMBOLS  
 PROPERTY BOUNDARY  
 LAKE BOUNDARY  
 SHAFT

MB

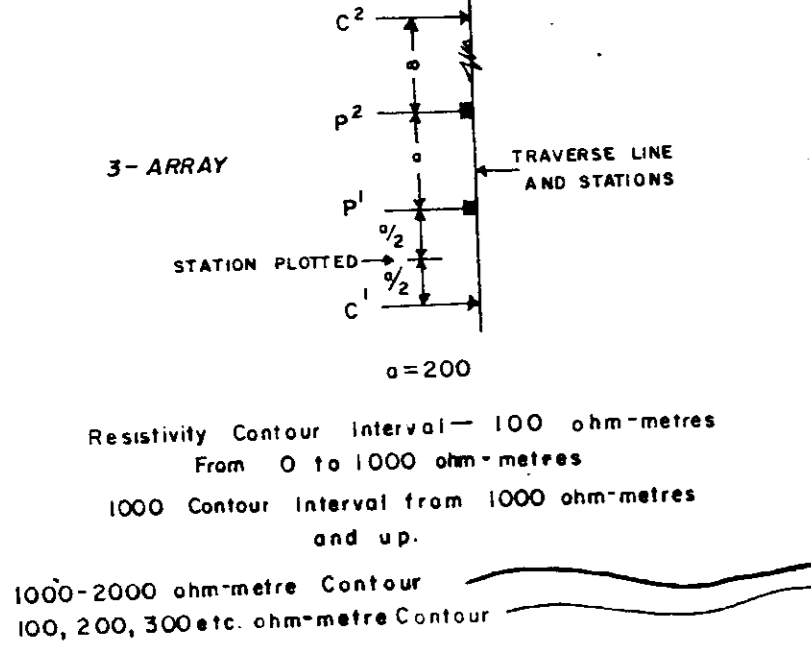
742





**L E G E N D**

**INDUCED POLARIZATION SURVEY**



Resistivity Contour Interval - 100 ohm-metres  
From 0 to 1000 ohm-metres  
1000 Contour Interval from 1000 ohm-metres  
and up  
1000-2000 ohm-metre Contour  
100, 200, 300 etc. ohm-metre Contour

**SYMBOLS**

PROPERTY BOUNDARY  
LINE BOUNDARY

**ROLLING HILLS COPPER MINES LTD.**  
KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS - MINING DIVISION

**SHEET - 2**

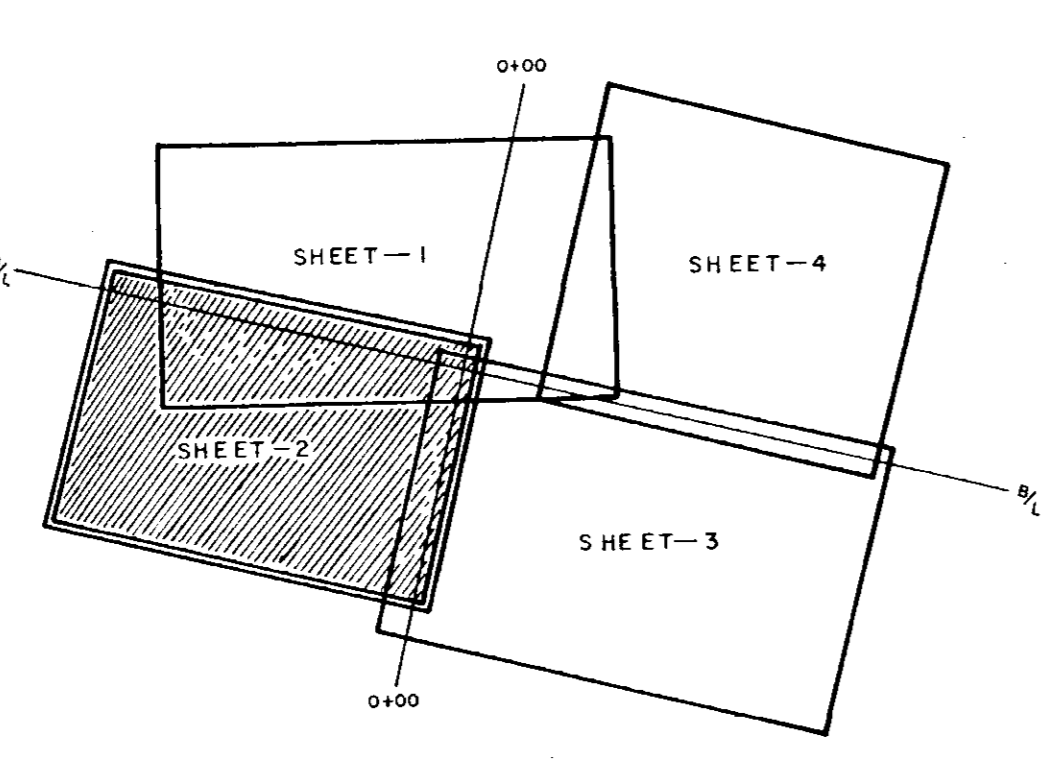
**INDUCED POLARIZATION SURVEY RESISTIVITY**

SULMAC EXPLORATION SERVICES LIMITED  
APR - SEPT - 1965

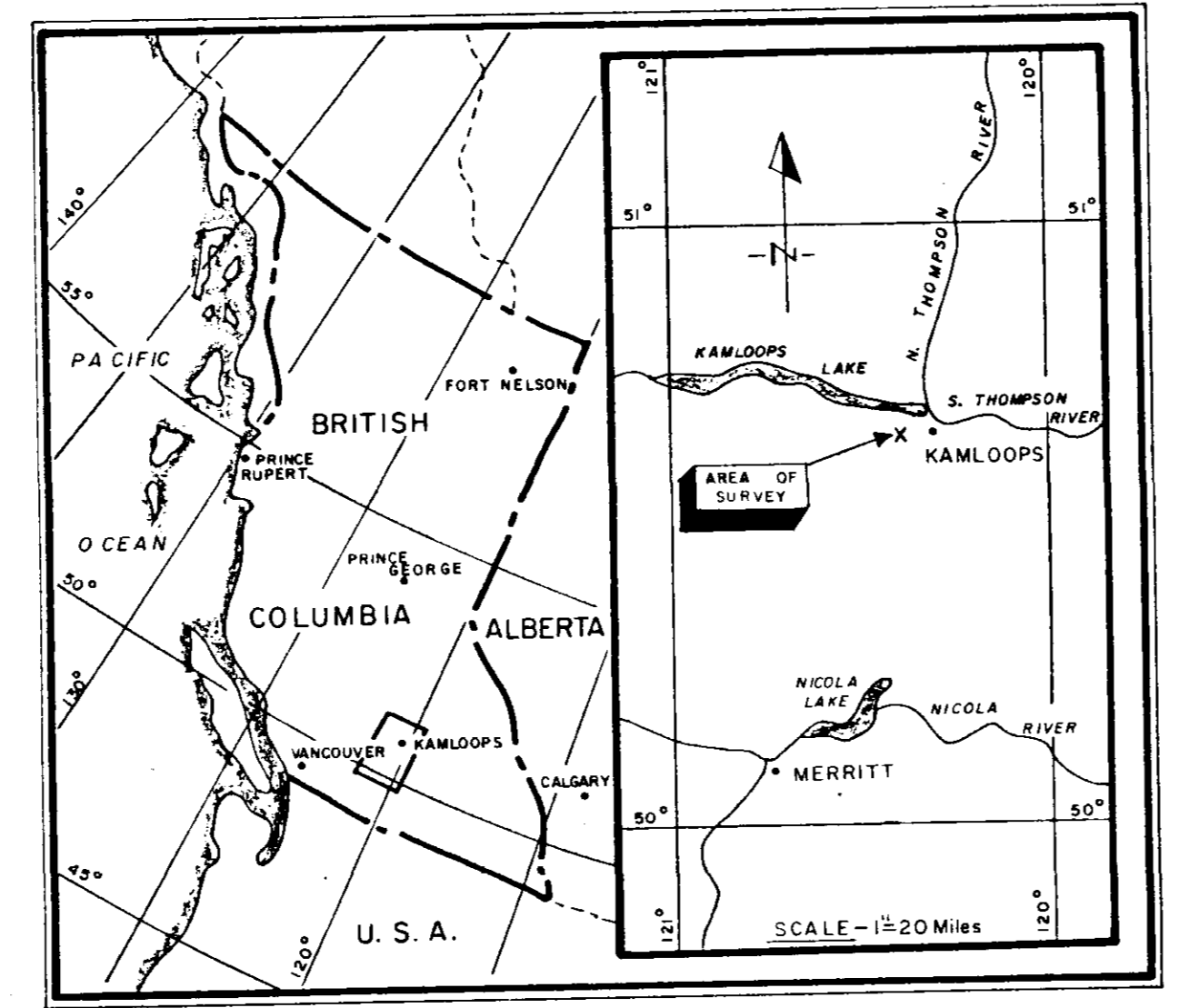
Scale 1 inch = Four Hundred Feet  
A. B. NICHOLS  
This map was prepared by A. B. Nichols 12 Oct 1965  
DRAWN BY G. A. SHANT

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP #16

**INDEX MAP**



**LOCATION MAP**  
SCALE - 1/250 MILES

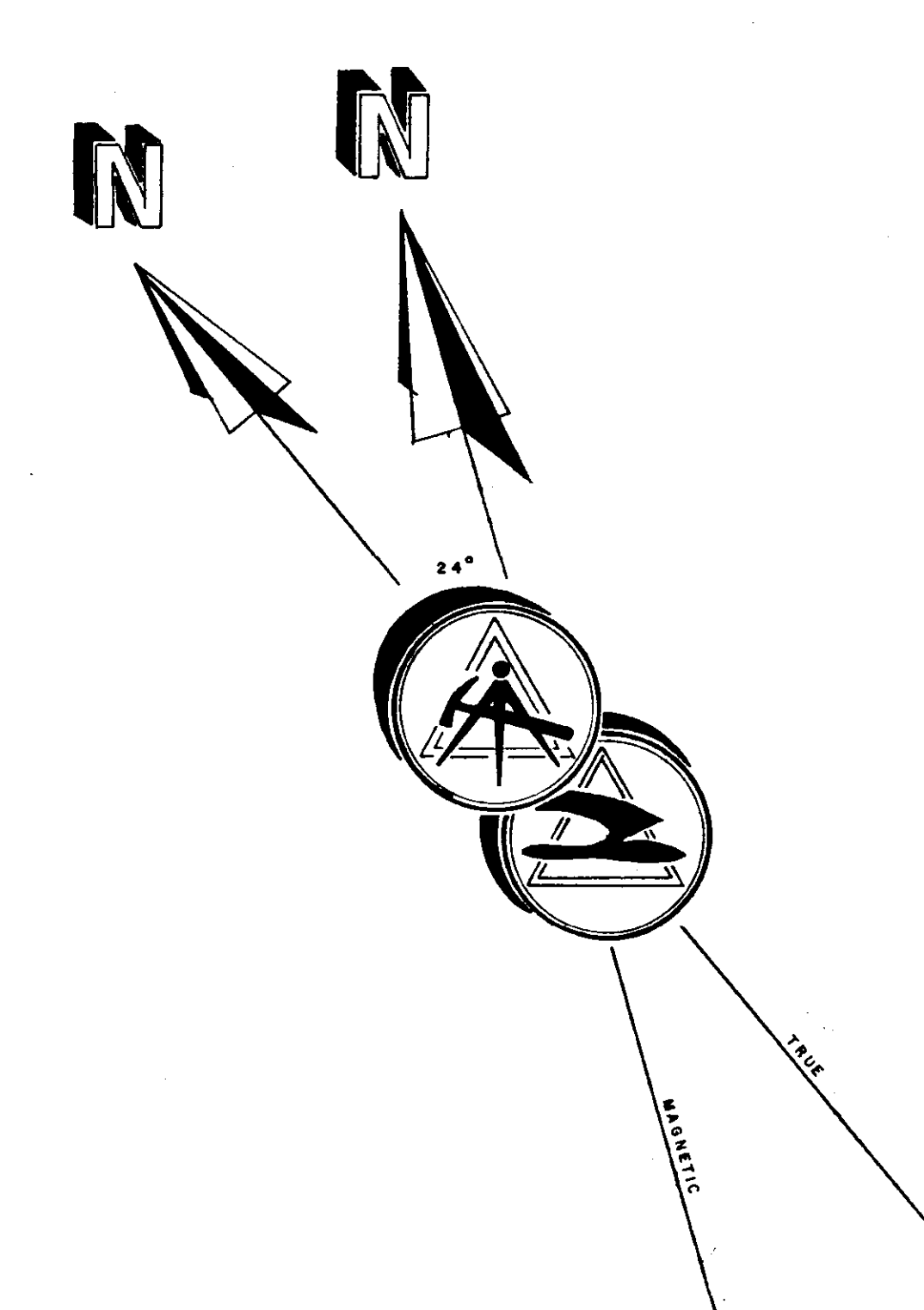


TO ACCOMPANY REPORT BY E.B. NICHOLS, DATED OCT 12 1965.

742

MP





**L E G E N D**

**INDUCED POLARIZATION SURVEY**

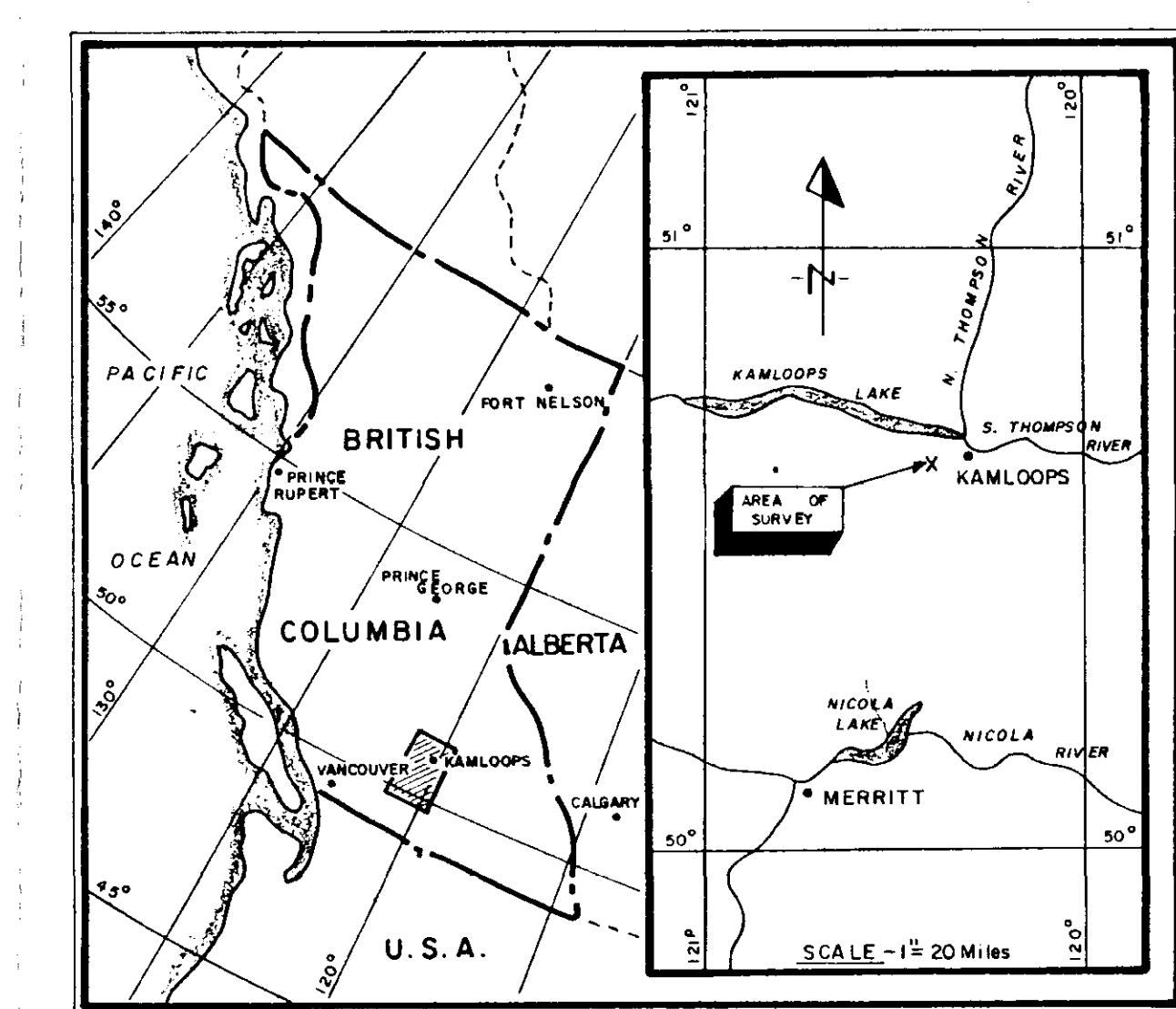
3-ARRAY  
 STATION PLOTTED  
 100  
 1000  
 10000

Relativity Contour Interval—100 ohm-meters  
 From 10 to 1000 ohm-meters  
 1000 Contour Interval from 1000 ohm-meters  
 and up.  
 1000-2000 ohm-meter Contour  
 100, 200, 300 etc. ohm-meter Contour

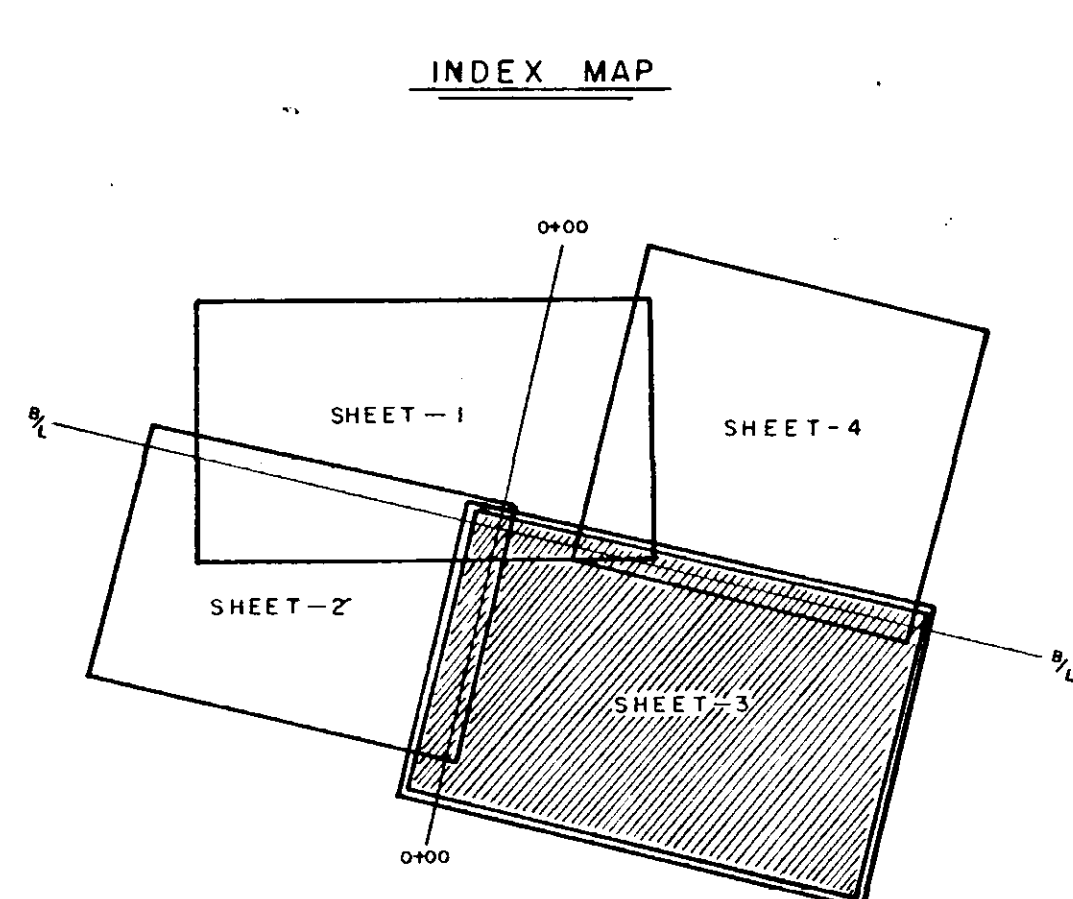
**SYMBOLS**

PROPERTY BOUNDARY  
 LAKE BOUNDARY  
 SWAMP

**LOCATION MAP**



Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP #17

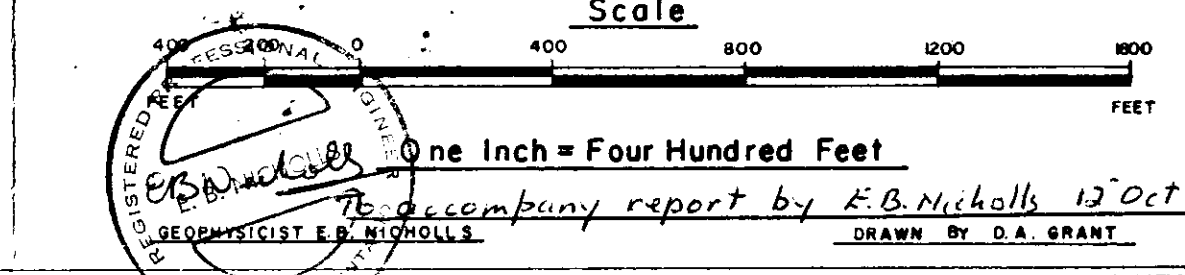


**ROLLING HILLS COPPER MINES LTD.**  
 KAMLOOPS-BRITISH COLUMBIA  
 KAMLOOPS-MINING DIVISION

**SHEET—3**

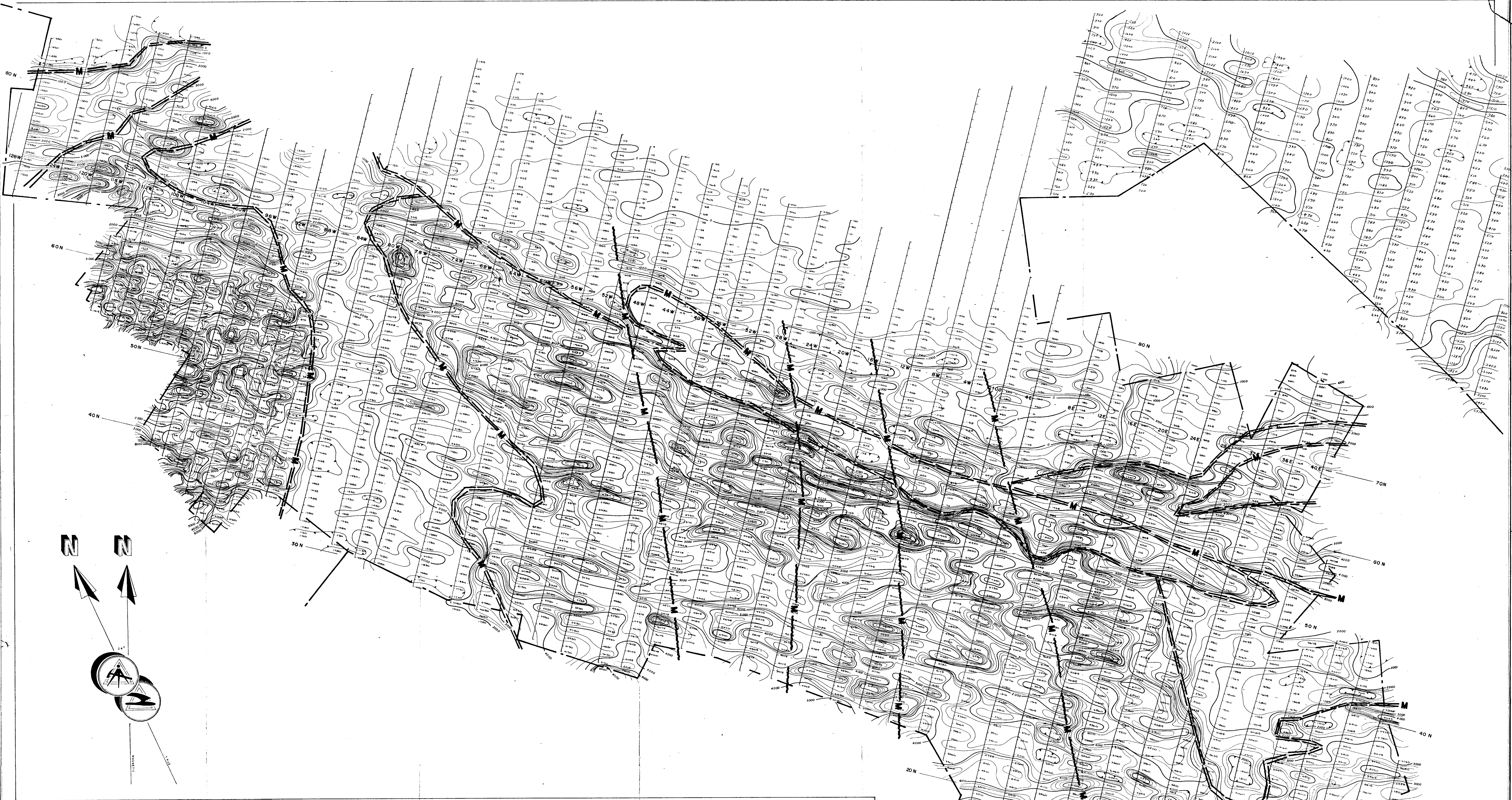
**INDUCED POLARIZATION  
 SURVEY  
 RESISTIVITY  
 742 (M10)**

SULMAC EXPLORATION SERVICES LIMITED  
 APR-SEPT - 1965



TO ACCOMPANY REPORT BY E.B. NICHOLS, DATED JULY 12, 1965.  
 REVISED OCT. 12, 1965.





**ROLLING HILLS COPPER MINES LTD.**

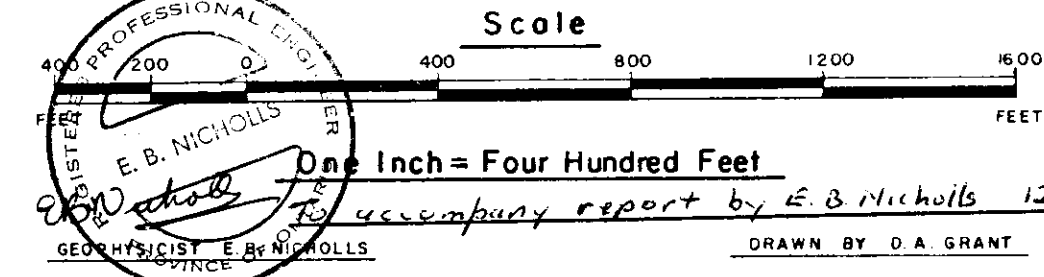
KAMLOOPS - BRITISH COLUMBIA  
KAMLOOPS - MINING DIVISION #742

SHEET - 1

**MAGNETOMETER SURVEY**

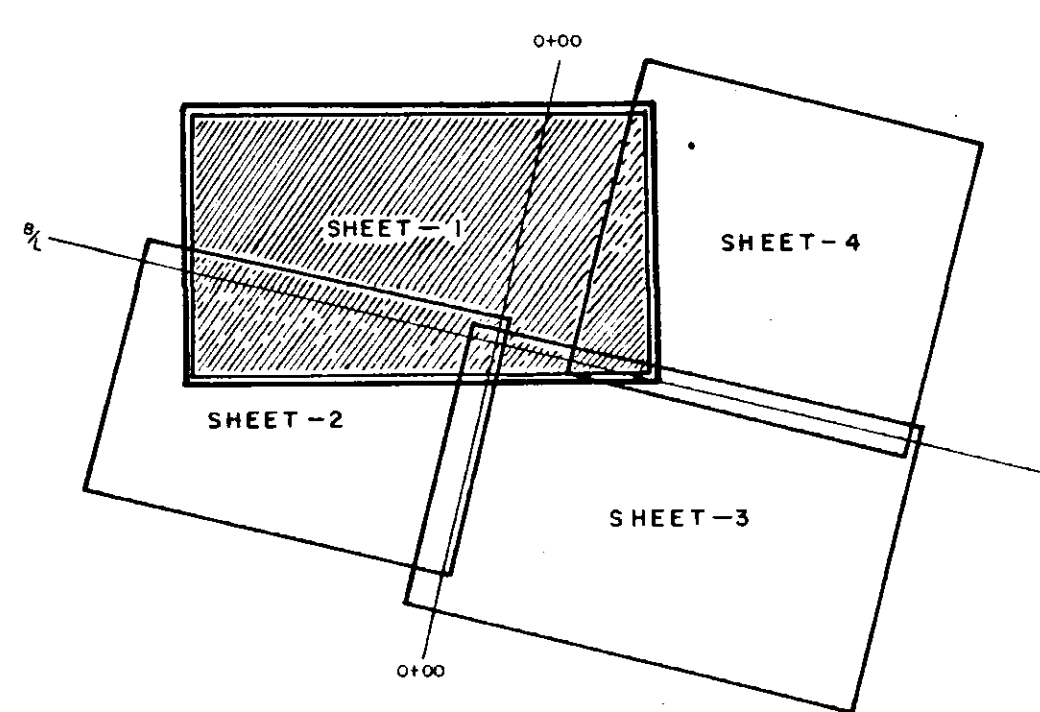
(MAKAOO CLAIMS)

SULMAC EXPLORATION SERVICES LIMITED  
APR-SEPT - 1965



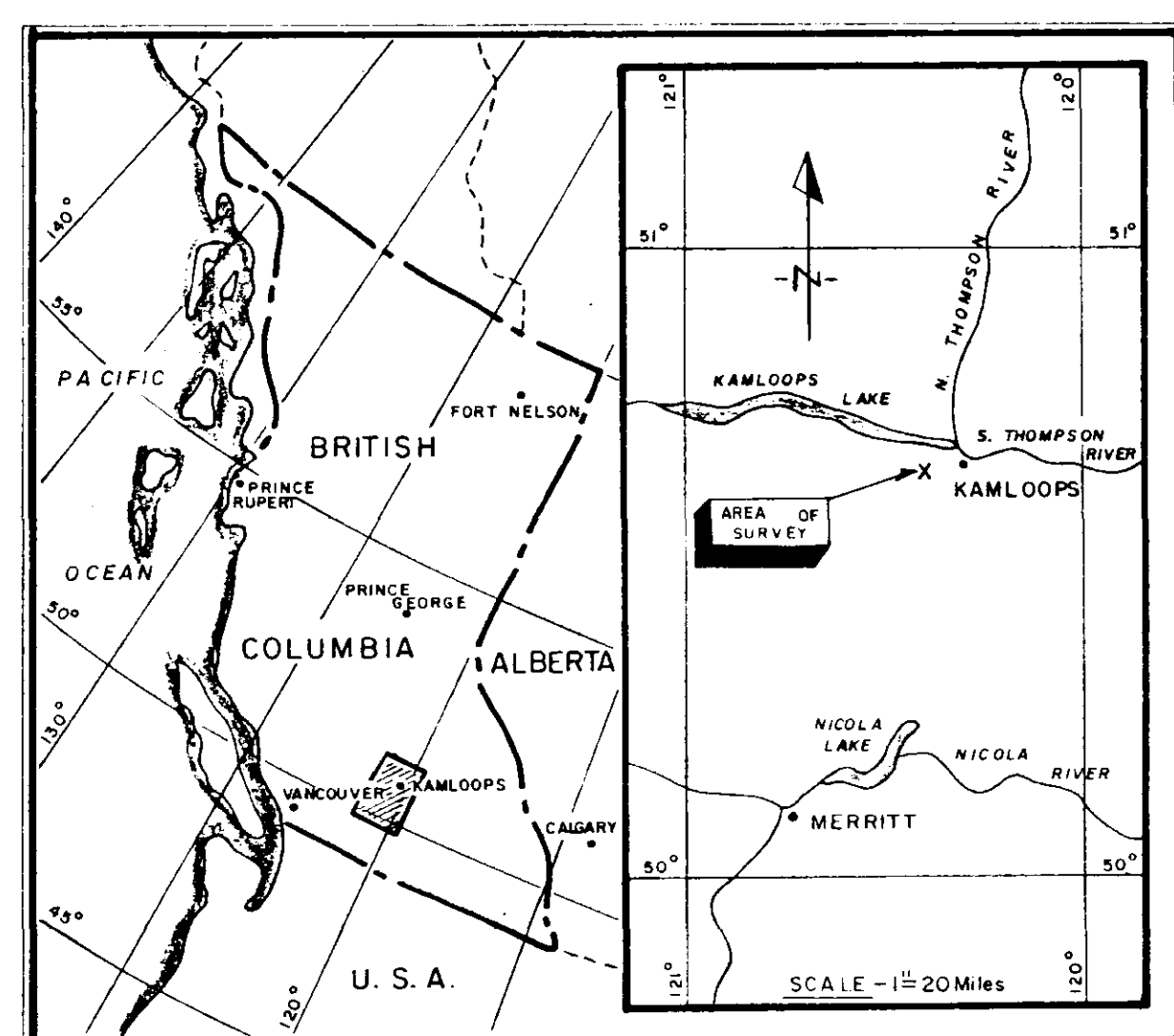
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP #17

**INDEX MAP**



**LOCATION MAP**

SCALE - 1:250 MILES



**L E G E N D**

**MAGNETOMETER SURVEY**

- Contour Interval 250 Gammas
- 1000 Gamma Contour
- 250 Gamma Contour
- Magnetic Depression

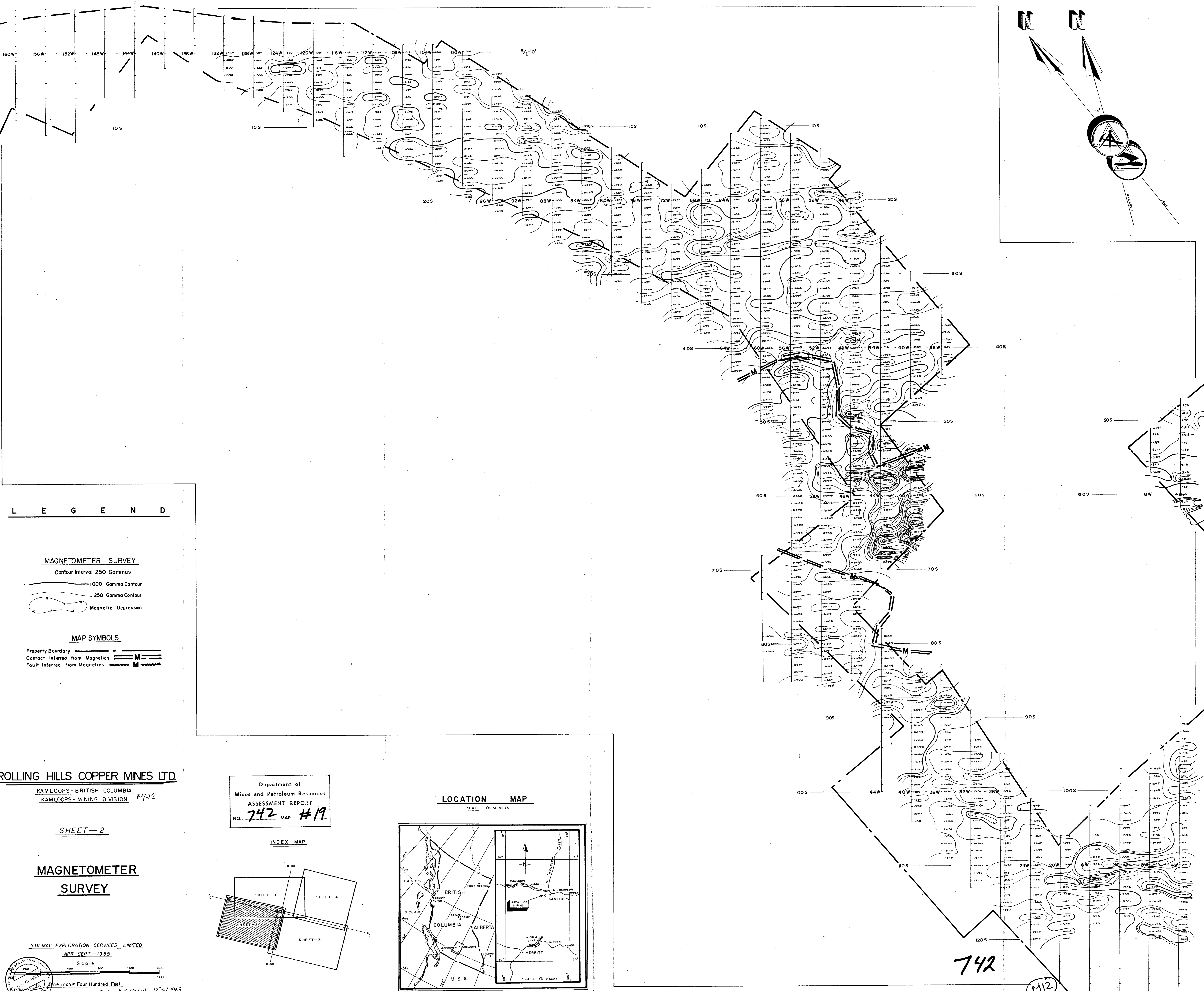
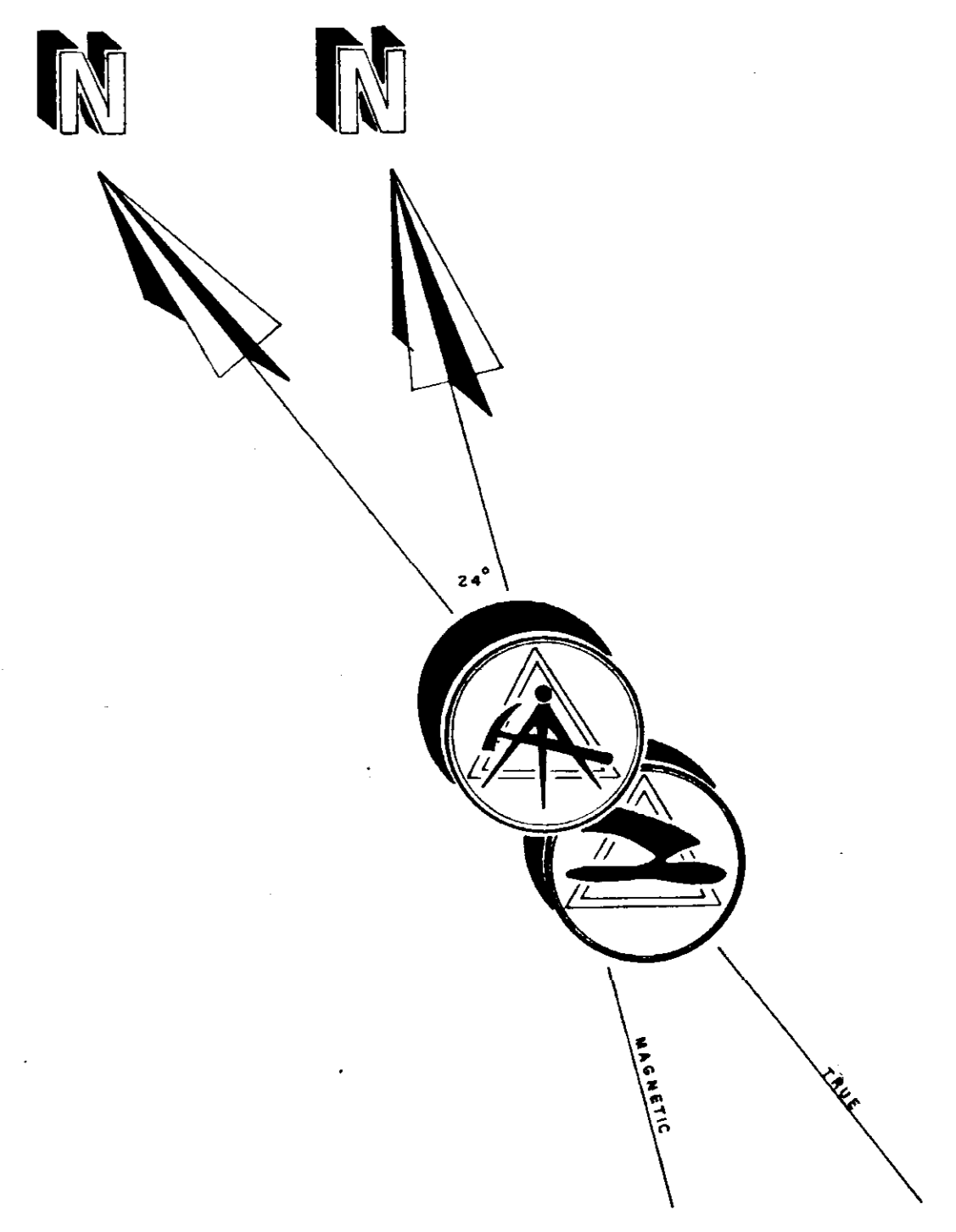
**MAP SYMBOLS**

- Property Boundary
- Contact Inferred from Magnetics
- Fault Inferred from Magnetics

742

M11





**L E G E N D**

**MAGNETOMETER SURVEY**

- Contour Interval 250 Gammas
- 1000 Gamma Contour
- 250 Gamma Contour
- Magnetic Depression

**MAP SYMBOLS**

- Property Boundary
- Contact Inferred from Magnetics
- Fault Inferred from Magnetics

**ROLLING HILLS COPPER MINES LTD.**

KAMLOOPS - BRITISH COLUMBIA #742  
KAMLOOPS - MINING DIVISION

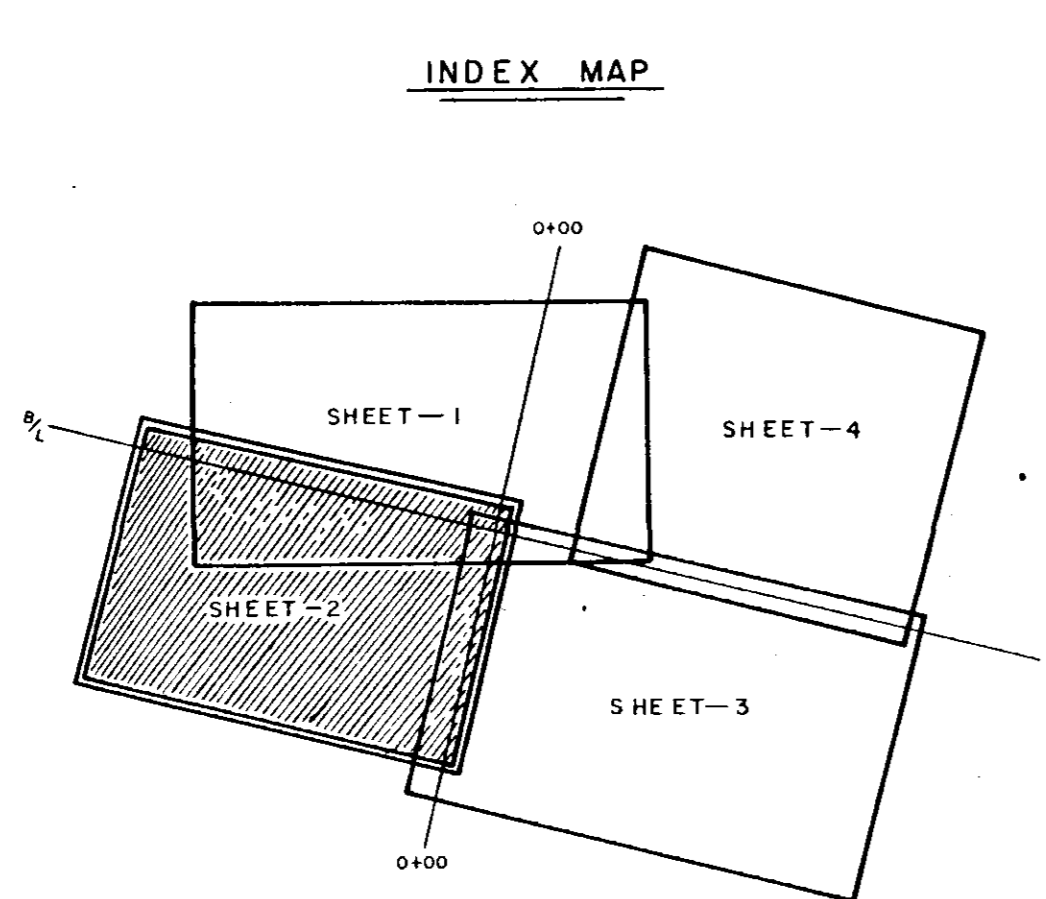
SHEET - 2

**MAGNETOMETER SURVEY**

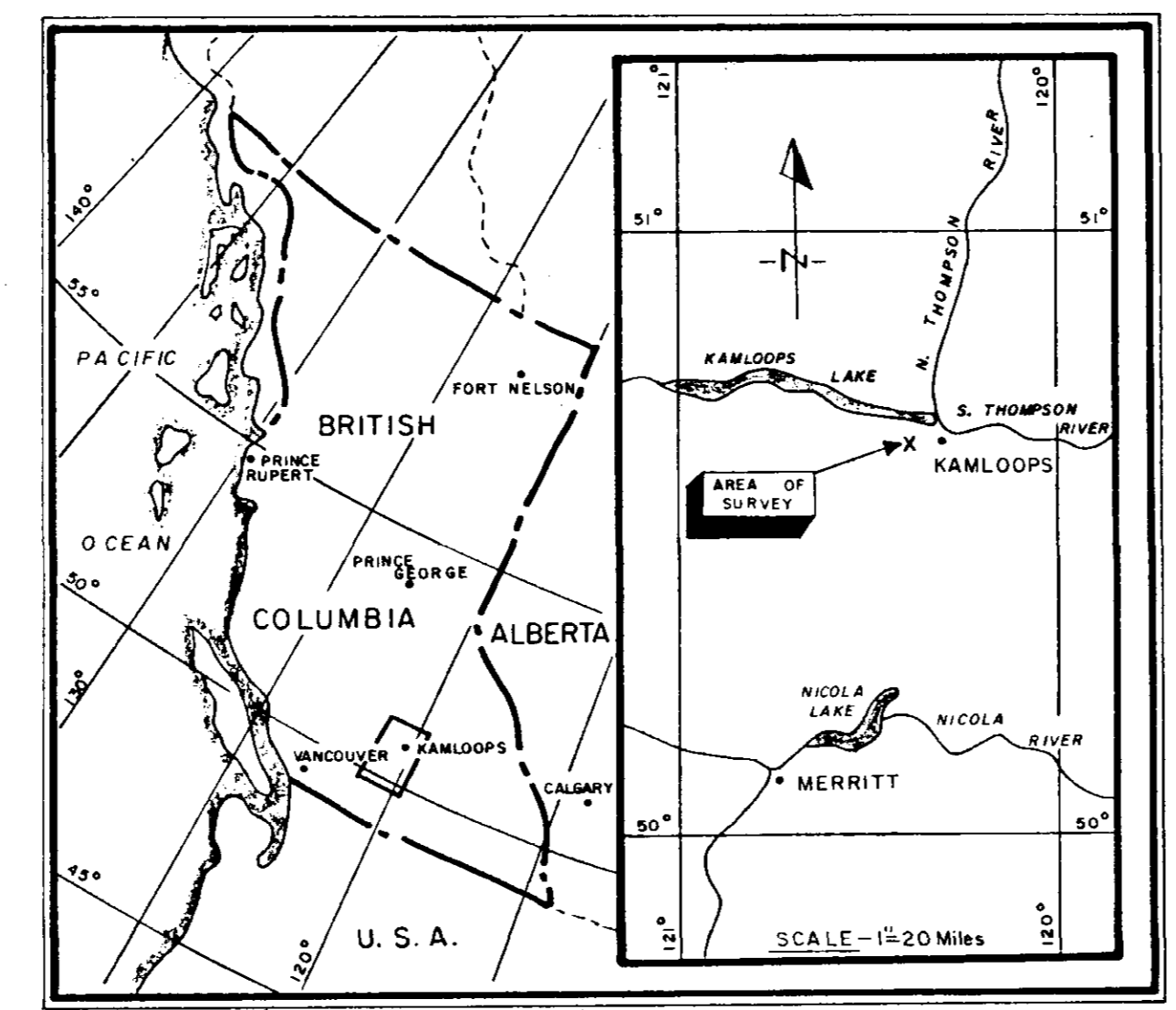
SULMAC EXPLORATION SERVICES LIMITED  
APR - SEPT - 1965

Scale 1 inch = Four Hundred Feet  
Accompany report by E. B. Nicholls 12 Oct 1965  
DRAWN BY S. A. GRANT

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 742 MAP #19



**LOCATION MAP**  
SCALE - 1:250 MILES

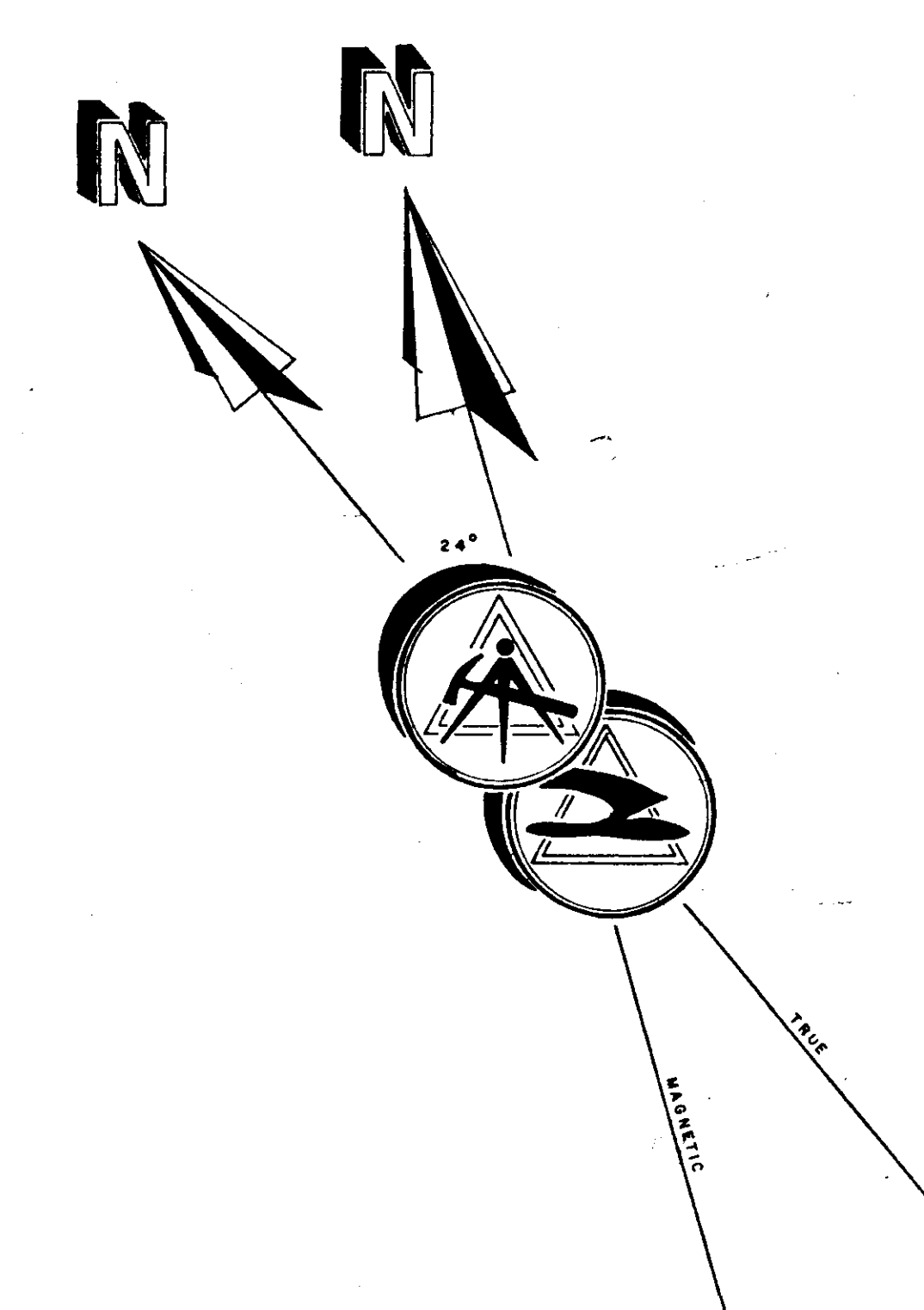
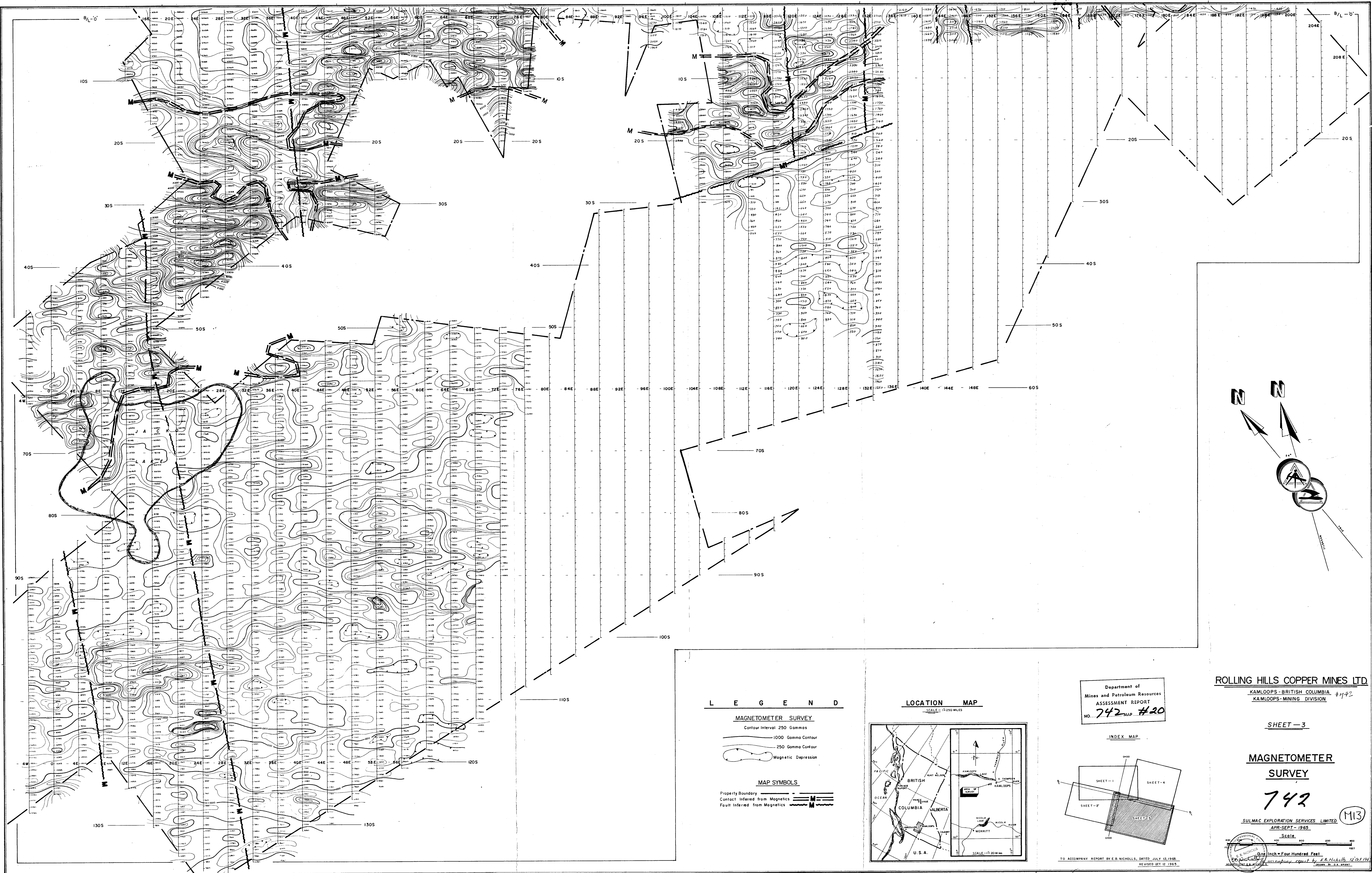


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(M12)

TO ACCOMPANY REPORT BY E. B. NICHOLLS DATED OCT. 12 1965

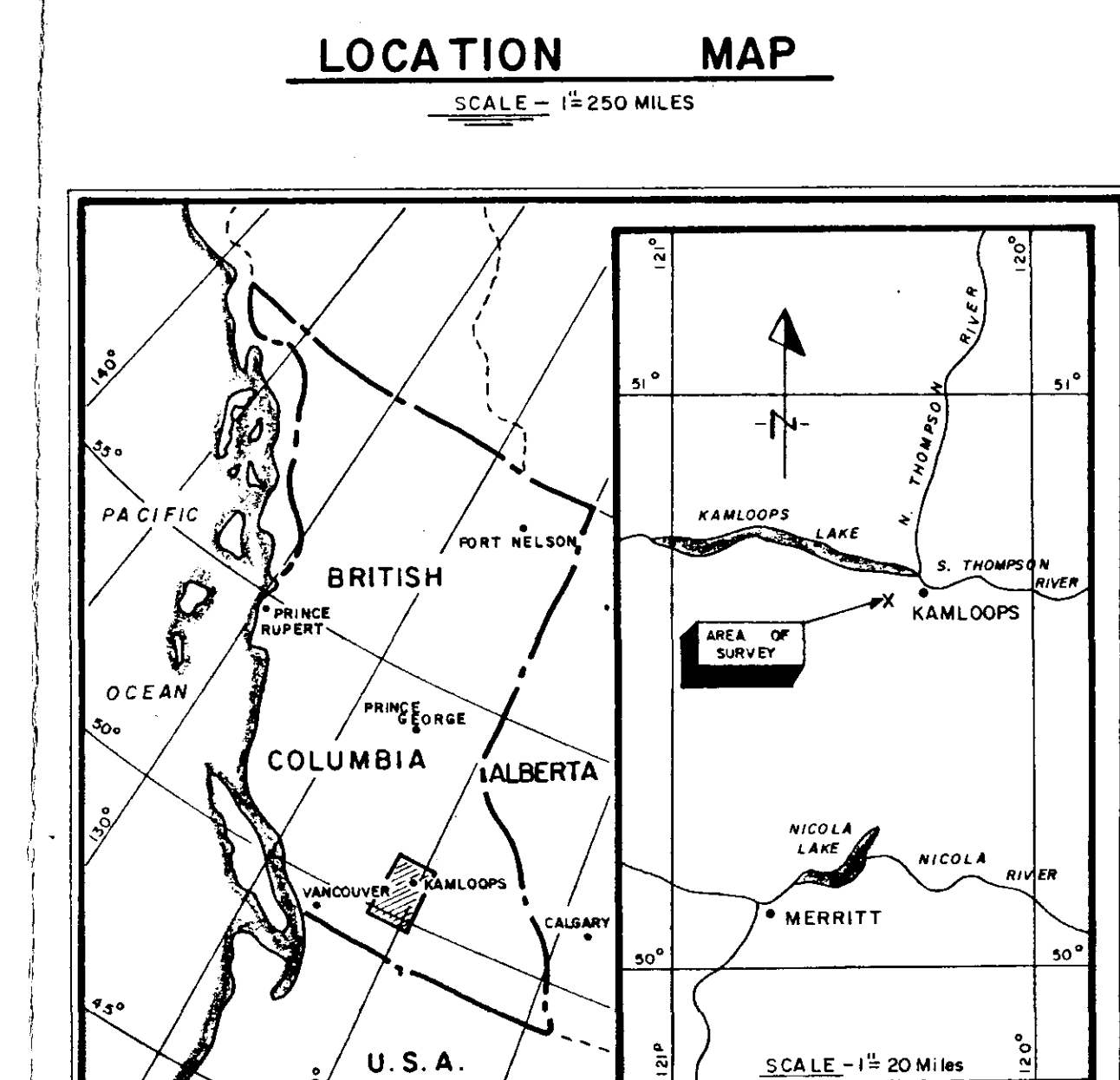




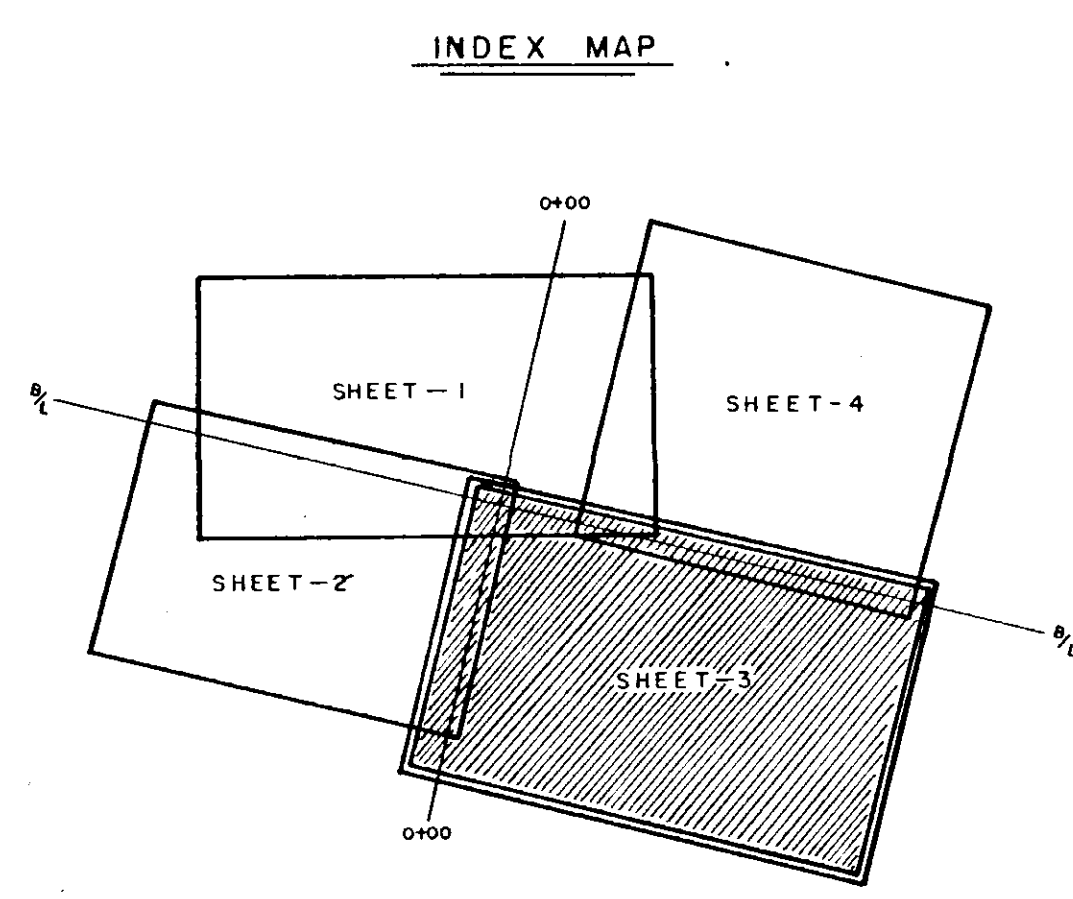
**LEGEND**

**MAGNETOMETER SURVEY**  
 Contour Interval 250 Gammas  
 1000 Gamma Contour  
 250 Gamma Contour  
 Magnetic Depression

**MAP SYMBOLS**  
 Property Boundary  
 Contact Inferred from Magnetics  
 Fault Inferred from Magnetics



Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 742 MAP #20



**ROLLING HILLS COPPER MINES LTD**  
 KAMLOOPS - BRITISH COLUMBIA  
 KAMLOOPS - MINING DIVISION

**SHEET - 3**

**MAGNETOMETER SURVEY**

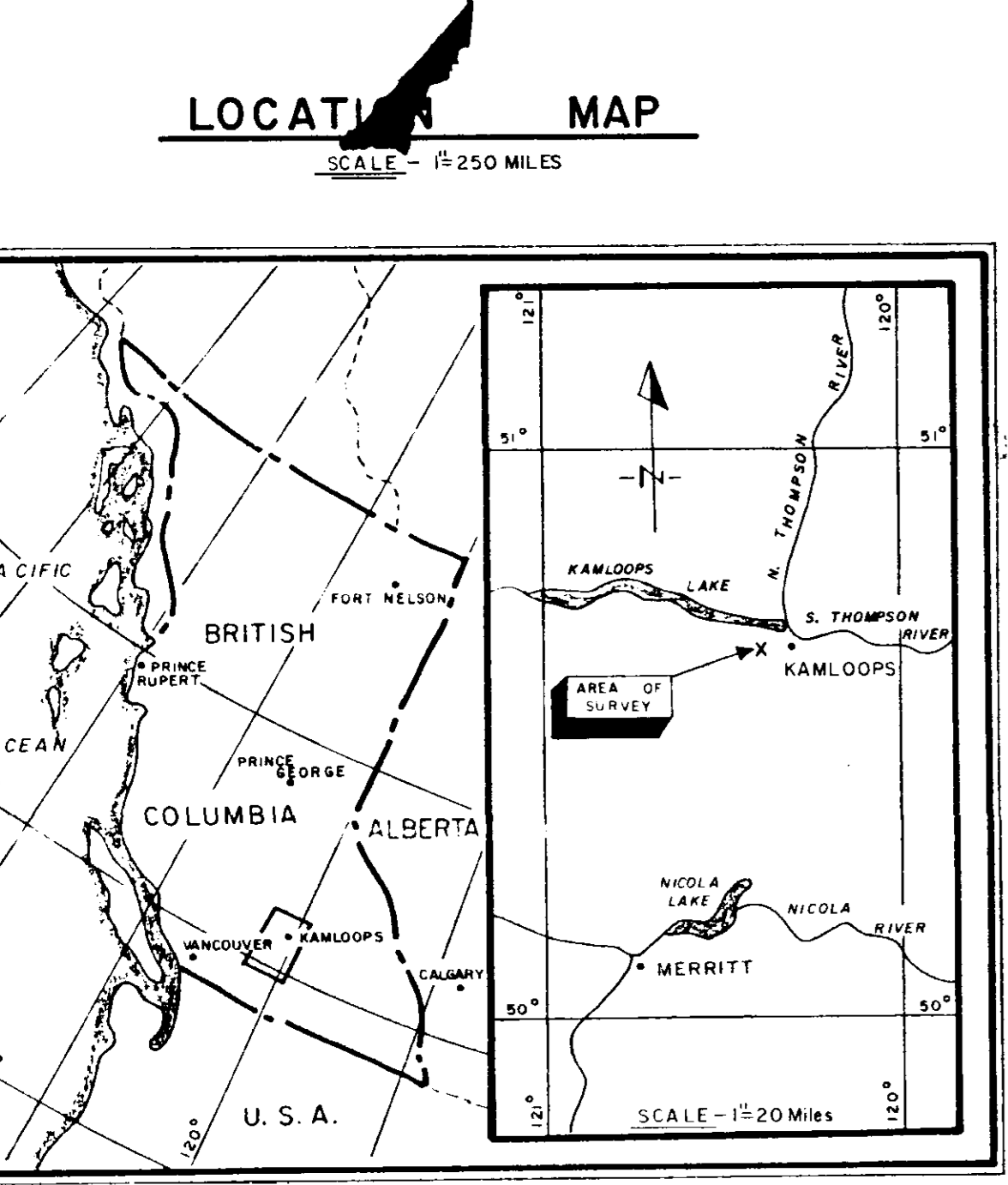
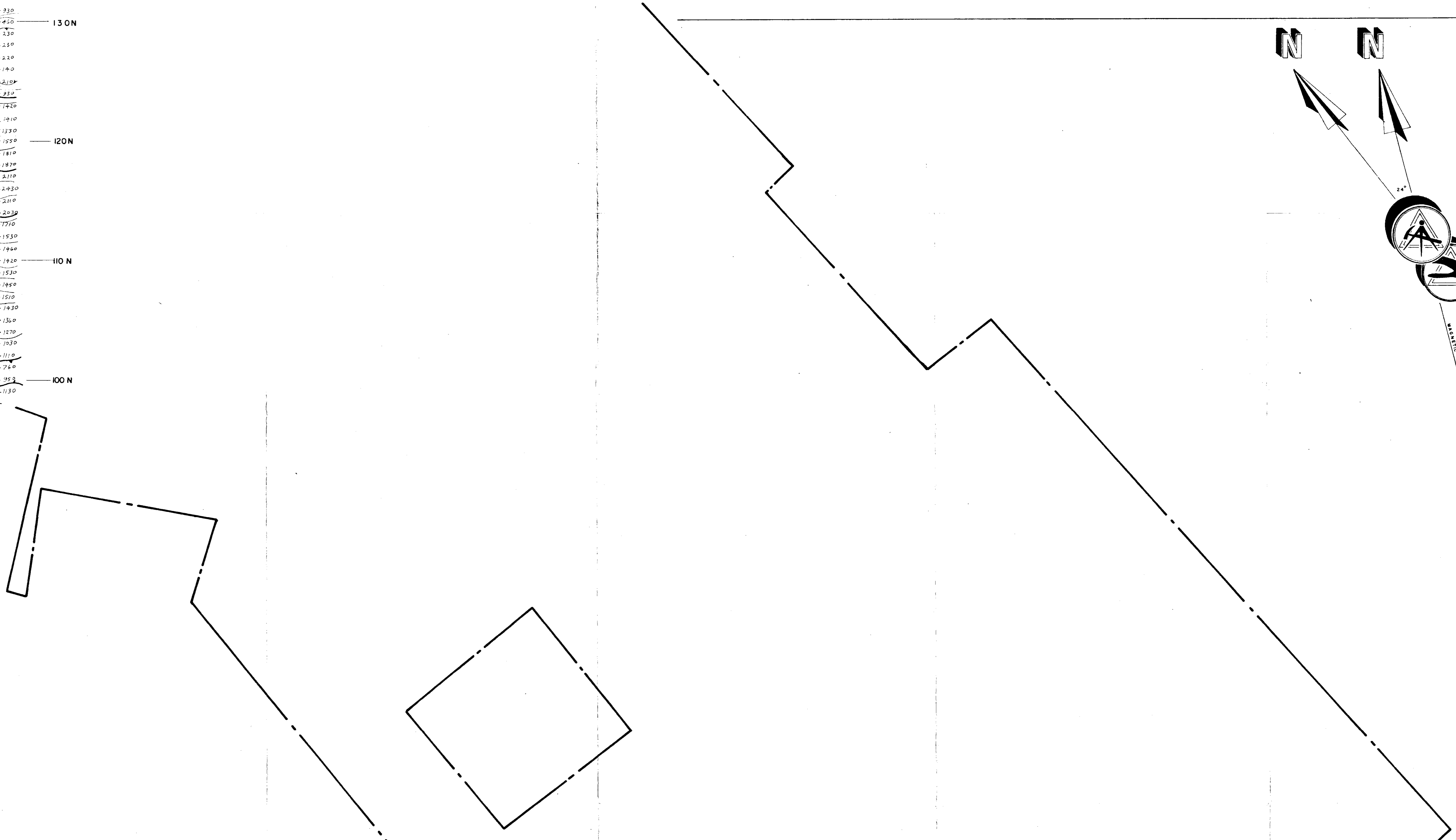
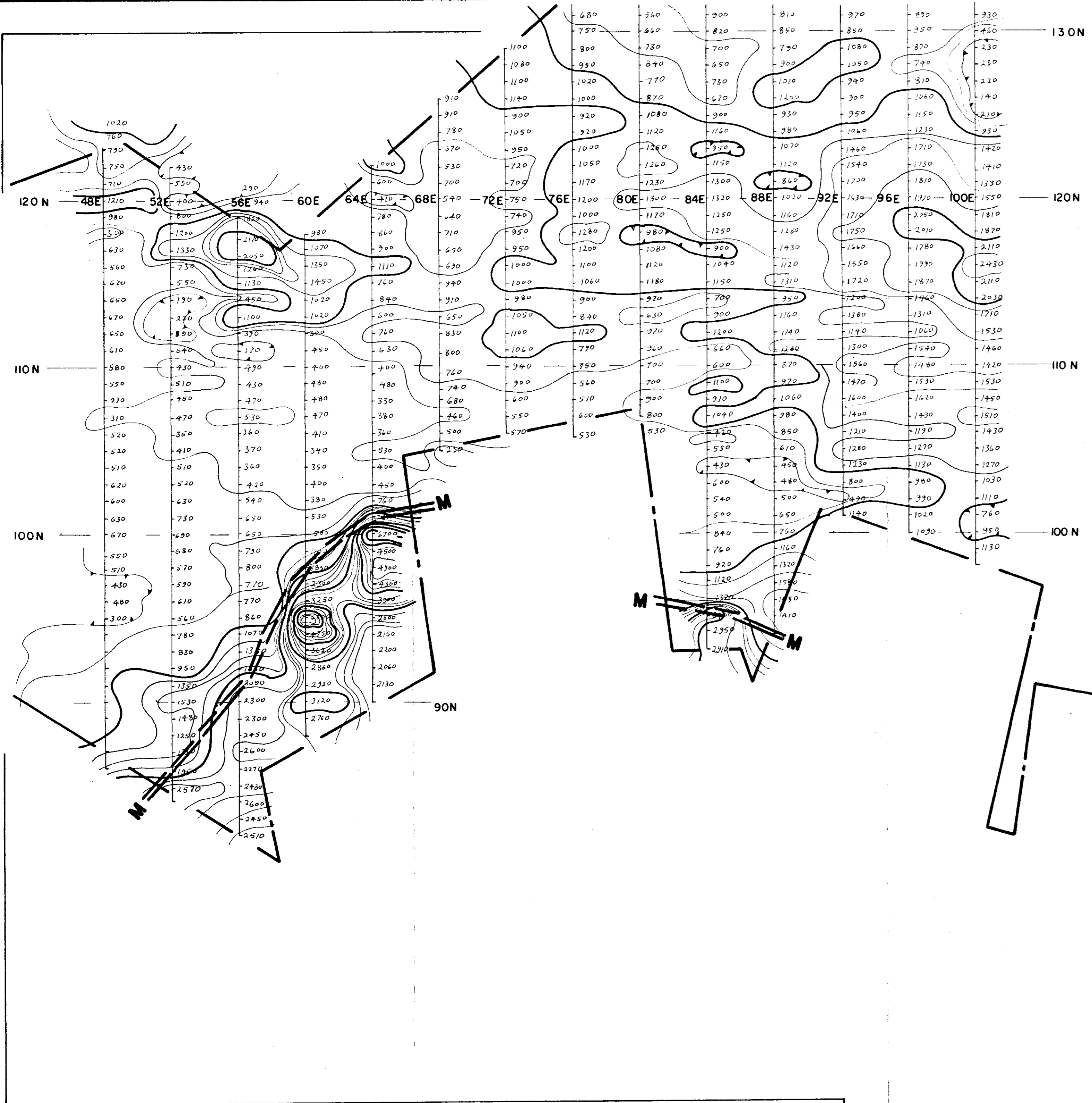
**742**

SULMAC EXPLORATION SERVICES LIMITED  
 APR-SEPT - 1965

Scale: 1 inch = Four Hundred Feet

TO ACCOMPANY REPORT BY E.B. NICHOLLS, DATED JULY 12, 1965.  
 REVISED OCT 12 1965.





**LEGEND**

**MAGNETOMETER SURVEY**  
 Contour Interval 250 Gammas  
 1000 Gamma Contour  
 250 Gamma Contour  
 Magnetic Depression

**MAP SYMBOLS**  
 Property Boundary  
 Contact Inferred from Magnetics  
 Fault Inferred from Magnetics

TO ACCOMPANY REPORT BY E.B. NICHOLS DATED OCT. 12 1965

**ROLLING HILLS COPPER MINES LTD.**  
 KAMLOOPS - BRITISH COLUMBIA  
 KAMLOOPS - MINING DIVISION #742

SHEET - 4

**MAGNETOMETER SURVEY**

SULMAC EXPLORATION SERVICES LIMITED  
 APR - SEPT - 1965

Scale  
 One Inch = Four Hundred Feet

Accompany report by E.B. Nichols 12 Oct 1965  
 DRAWN BY S.A. SHART

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 No. 742 MAP #21

