

A GEOCHEMICAL AND GEOPHYSICAL REPORT



ON

TAD CLAIM GROUP (TAD 244-267)

CLAIM SHEET 115-J-9 & 115-I-12

LATITUDE $62^{\circ}35'$
LONGITUDE $138^{\circ}00'$

13,701.95

FOR

INTERNATIONAL MINE SERVICES LTD. as representation work under Section 53 (4) Yukon Quartz Mining Act.

BY

This report has been examined by Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$10,701.95

D. B. Craig

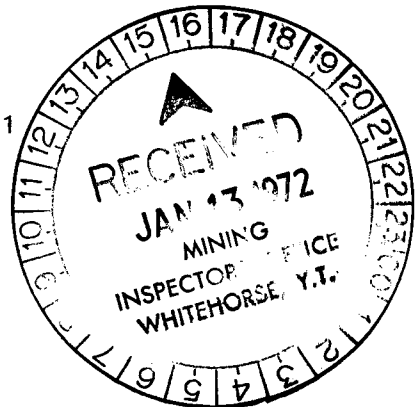
Inspector or
Mining Engineer

[Signature]

Commissioner of Yukon Territory

D.H. WAUGH, GEOLOGIST
SUPERVISED BY: J.L. TINDALE, P. ENG

DATE OF WORK: AUG 3/71-AUG 25/71
REPORT DATE: DEC 1971



Abstract

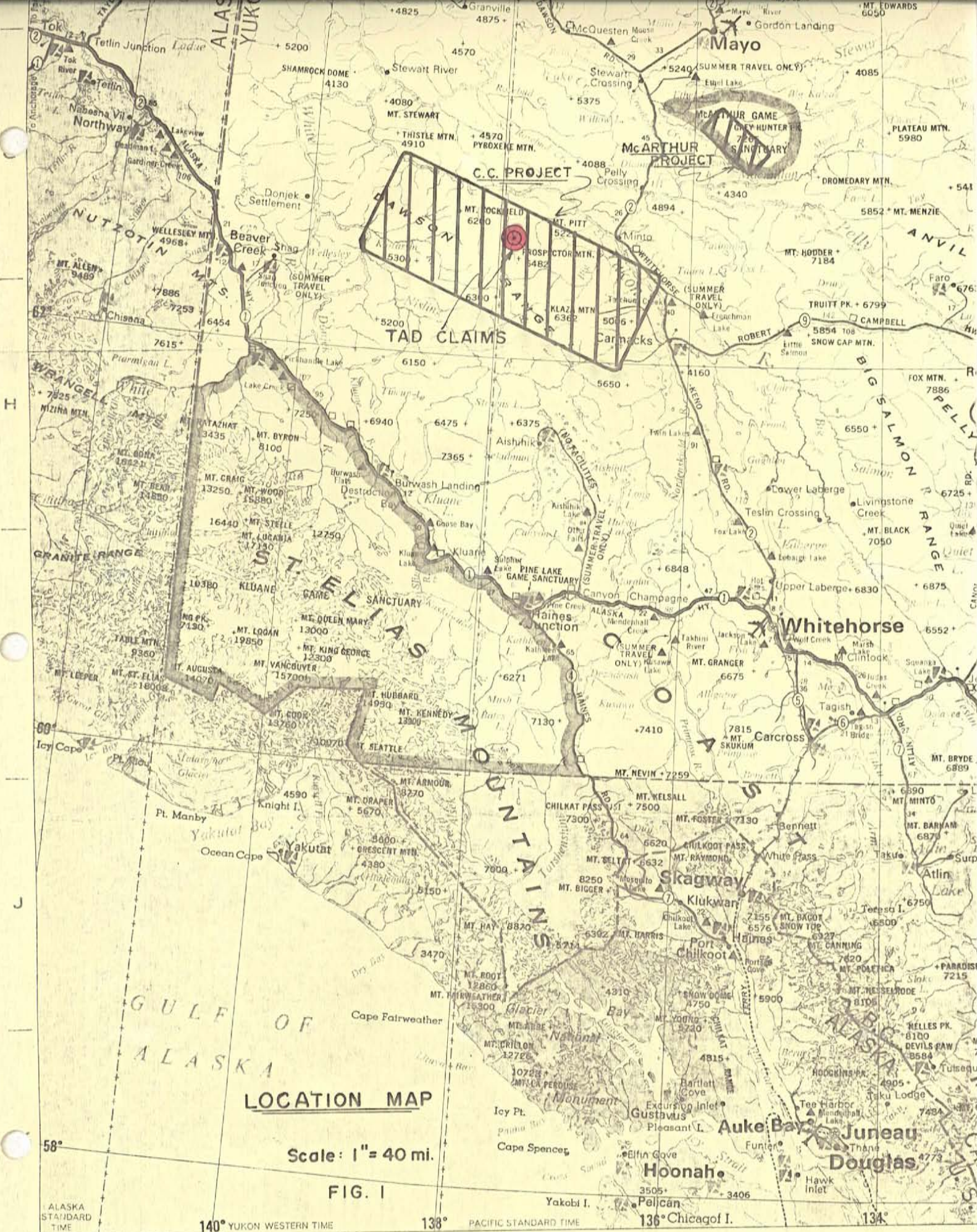
A geochemical and geological exploration program was conducted by International Mine Services Ltd, in the Dawson Range region of the Yukon Territory during the summer of 1969. Anomalous values in copper, lead and zinc were discovered in the stream silts of the upper Hayes Creek drainage system. Subsequent prospecting of the area resulted in discovery of an intensely altered quartz monzonite porphyry outcrop on Hayes Creek that contained disseminated pyrite, sphalerite and galena mineralization. Further soil sampling of this area indicated the presence of two broad but low value (ppm) lead-zinc anomalies and a broad molybdenum anomaly. A group of 227 mineral claims, the Tad claim group, were staked during the late summer and fall of 1969.

A program of detailed mineral exploration was conducted on the Tad group during the fall of 1969 and the spring and summer of 1970. This program included line cutting, geochemical soil surveying, induced polarization and magnetometer surveys, geological mapping, diamond drilling, trenching and altimeter surveying and petrographic studies of surface rock and drill core specimens.

Geological investigations and geochemical soil sampling indicated the favourable quartz monzonite porphyry extended

beyond the southwest limits of the Tad group. An additional 28 claims and four fractional claims were staked in December of 1970 to cover the prophyry extension in the southwest corner of the Tad group. A program of geochemical soil sampling and magnetometer survey was conducted in August, 1971 to evaluate the economic potential of the new claims. This report describes the work performed.

Small, low value (ppm) lead anomalies were located on the grid extension covering the Tad 244-267 claims. The magnetic profile was generally flat over the new grid system and did not indicate any magnetic rock unit change.



ALASKA
YUKON

NUTZOTIN

WRANGELL

GRANITE RANGE

GULF OF ALASKA

C.C. PROJECT

TAD CLAIMS

ST. ELIAS GAME SANCTUARY

MOUNTAIN

McARTHUR PROJECT

Skagway

Hoonah

Mayo

Whitehorse

Auke Bay

Juneau

Douglas

MCA THUR GAME
GREY HUNTER PK
SANCTUARY

PINE LAKE
GAME SANCTUARY

Chilkoot

Gustavus

Pelican

Yakobi I.

1 2 3 4

Introduction

December, 1971

D.H. Waugh

The following report is prepared for International Mine Services Ltd. as an assessment requirement to be applied to the mineral claims Tad 254-267 inclusive and the adjoining full sized and fractional mineral claims Tad -, -, 11-16, 49-56, 133-138, 140, 142, 174, 175, 177, 158, ~~151~~, 213F-216F, ~~228~~F and 235F-238F.

The survey area is a southwest extension of a group of 251 contiguous mineral claims. The extensive surface exploration program conducted during 1969 and 1970 outlined an anomalous lead-zinc zone in the southwest corner of the property that appeared to extend off the existing grid. Subsequently a group of 28 full sized mineral claims plus 4 fractional claims were staked to cover the possible extension of the anomaly to the southwest.

The surveys discussed in this report were carried out on the new claims, Tad 244-267 inclusive, to test the economic possibilities of the favourable porphyry environment.

The reader is referred to reports by D.H. Waugh dated March-April, 1971 and P.E. Walcott P. Eng. dated October 1969 and October, 1970 for detailed accounts of the 1969 and 1970 exploration programs.

The field work on the survey described in this report was conducted between August 3, 1971 and August 25, 1971. Field crew and equipment were flown into the property on July 25, 1971 and were engaged in a base camp clean-up, drill equipment removal and other duties prior to commencing the survey work on August 3rd. The survey consisted of line cutting and chaining 10 miles of new grid lines and tie lines, a geochemical soil survey, a ground magnetometer survey, an altimeter survey and geological mapping.

This report discusses the results of the survey and presents recommendations for future work. The survey data is presented on plan maps Figures #3 thru 6, scale 1"=600' and are enclosed in the map pocket of this report. Geochemical soil values are shown on Figure #3; figure #4 shows the vertical magnetic readings in contour form; figure #5 the 1969-70 magnetic contours (for reference purposes); and figure #6 is a topographic plan showing claim post locations, topographic contours and rock sample locations for the 1971 grid extension.

Property And Ownership

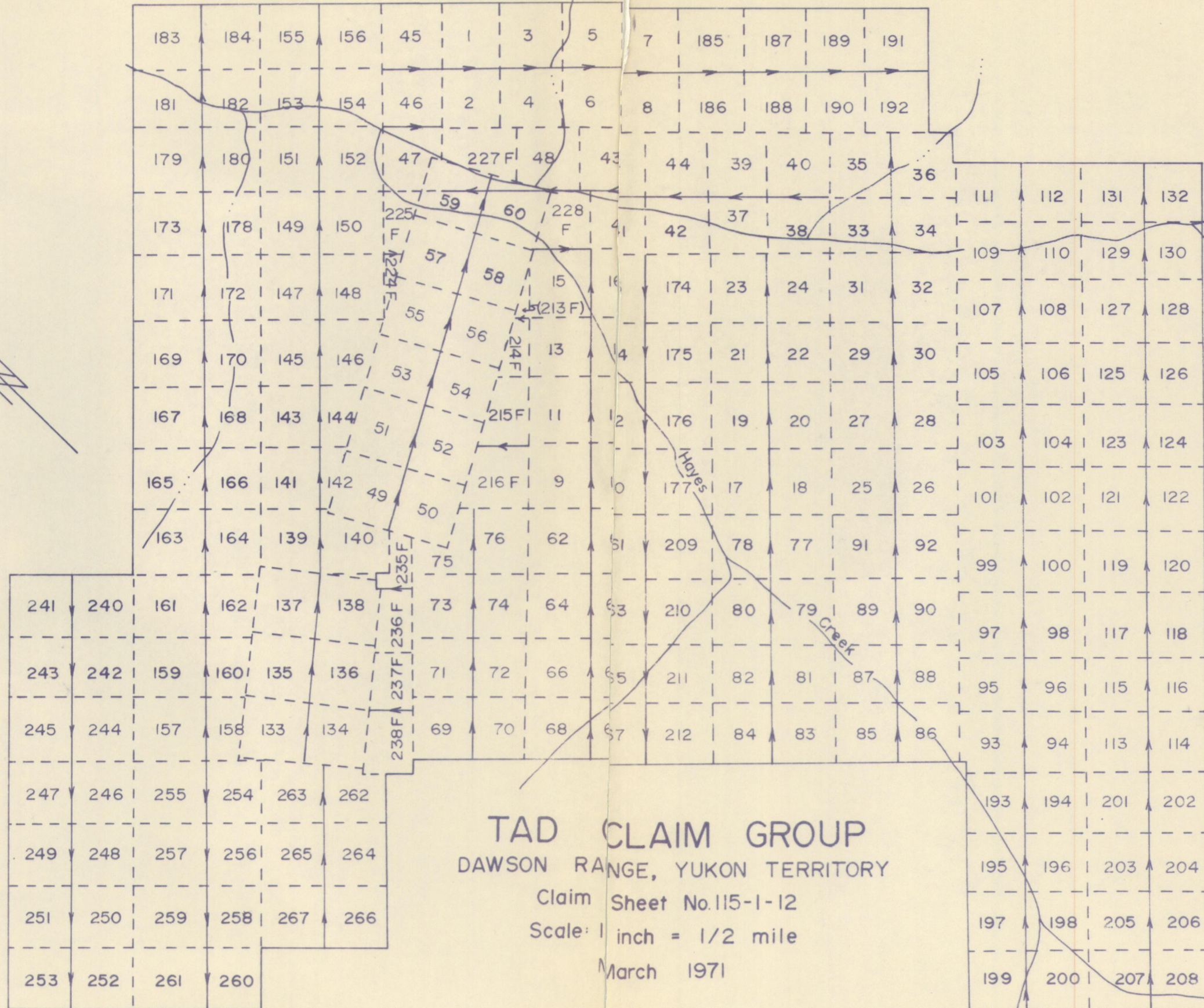
The property on which the surveys were conducted and described in the text of this report is composed of a group of 24 contiguous mineral claims. The 24 claims are part of a group of 251 contiguous full size and fractional claims called the Tad group. The survey area is located in the southwest corner of the group on the Tad 244 to 267 mineral claims.

The claims are registered in the name of International Mine Services Ltd., Toronto 1, Ontario and are held jointly by Prado Explorations, Gui-Por Uranium Mines, Lion Nickel Mines of Canada and Indian Mountain Metal Mines.

The claims are recorded in the office of the Mining Recorder, Whitehorse, Yukon and are more particularly described as follows:

| <u>Claim Name</u> | <u>Record Number</u> | <u>Record Date</u> | <u>Expiry Date</u> |
|-------------------|----------------------|--------------------|--------------------|
| Tad 244-267 | Y59918-59941 | Jan 8/71 | Jan 8/72 |

FIG. 2



TAD CLAIM GROUP
 DAWSON RANGE, YUKON TERRITORY
 Claim Sheet No. 115-1-12
 Scale: 1 inch = 1/2 mile
 March 1971

Property Location And Access

The Tad 244-267 mineral claims are located on the southwest corner of the Tad group in the Hayes Creek - Prospector Mountain area of the Dawson Range region in the Yukon Territory. The claims are situated at latitude 62° 35' north and longitude 138° 00' in the Whitehorse Mining District on map sheets 115-I-12 and 115-J-9.

Access to the property was by helicopter on contract and casual charter from Trans North Turbo Air Ltd., of Whitehorse. Personnel, camp equipment and supplies were trucked from Whitehorse by company vehicles and flown into the property from Midway Lodge, Carmacks and Pelly River all located on the Mayo-Dawson highway. A fly-camp was established near the survey area to avoid the difficult 3½ mile walk from the main base camp on Hayes Creek to the survey area.

On completion of the survey personnel and equipment were flown by helicopter to Midway Lodge and Carmacks then transported to Whitehorse by company vehicles.

Local Geology

The survey area is underlain by quartz monzonite porphyry and a medium grained granite or quartz monzonite. Outcrop exposures are scarce in the survey area though the relatively abundant scree and regolith are believed to be representative material of the underlying bedrock. Rock exposures located in the extreme southwest corner of the new grid lines are of a granite or quartz monzonite. This rock is relatively unaltered and is a pinkish coloured, medium grained, equigranular rock composed of pink feldspar (orthoclase), white feldspar (plagioclase), quartz and minor biotite.

The quartz monzonite porphyry has large rounded grains of quartz, phenocrysts of plagioclase and lesser biotite which are set in a fine grained matrix of quartz and orthoclase. The plagioclase and oligoclase-andesine feldspar exceeds the orthoclase feldspar in percentage composition. Fresh samples of the quartz monzonite porphyry are pale grey to grey-green in colour with fairly abundant biotite phenocrysts in the less altered and fresh specimens. Specimens of the porphyry in the survey area are relatively unaltered and contain minor accessory pyrite mineralization.

The survey area is believed to be situated at the outer limits of the porphyry stock as evidenced by low degree of

alteration, minor accessory mineral content and change of rock type in the extreme southwest corner of the grid.

Geochemical Survey

Survey Method:

The survey area on Tad claims 244-267, was located off the southwest limits of the 1969-70 grid system. The grid was extended in August, 1971 to cover the new claims. A total of 56,400 feet of new grid lines and tie lines were cut and chained by hand. Grid lines were turned off at right angles from TieLine 70S and TieLine 120S at 800 foot spacings and were chained and picketed at 100 foot stations.

Soil samples were collected at 100 foot intervals on the northeast-southwest orientated grid lines where soil conditions permitted. Samples were collected with soil augers and shovels for a depth of approximately 6 inches to 1 foot below surface in the lower 'B' horizon or upper portion of the 'C' horizon.

The 'B' horizon is generally not well developed or absent in places and consists of a thin, rusty coloured, sandy-clay material. The 'C' horizon constitutes the main soil variety and is composed of a light coloured sandy-clay material containing abundant partially decomposed rock fragments. The pH range of the soil is from 5.0 to 6.3.

The samples were stored and partially dried in Kraft bags. Sample numbers and grid line locations were recorded in field books with a physical description of the soil noted.

Analytical services were conducted by Whitehorse Assay Office. A total of 463 soil samples were analyzed for the elements copper, lead and molybdenum. Analysis was by hot acid extraction and the atomic absorption spectrometry technique with values reported in parts per million.

Survey Results:

The copper, lead and molybdenum values are plotted on plan map, Figure #3 contained in the map pocket of this report. Lead values are contoured on Fig. #3 for values above 50 ppm. A histogram on 5945 lead values of soils collected during the 1969-70 Tad geochemical soil surveys is included on the following page of this report. From this histogram, Fig. #7, a median value of 20 ppm and a threshold value of 100 ppm were selected for the Tad property.

Moderately anomalous values in lead were located on grid lines 72W, 104W and 120W. The lead values range from a low of 6 ppm to a maximum value of 750 ppm located at 113 South on line 72W.

Copper values are generally low and only moderately anomalous values were located in isolated occurrences. Coincident moderately anomalous copper-lead values are located on line 104W. The copper values ranged from a low of 2 ppm to a maximum value of 106 ppm located at 135 south on line 104W.

Molybdenum values occur in trace amounts to a maximum of 12 ppm located at 139 south on line 120W. No anomalous moly zones were outlined by the survey.

Conclusions And Recommendations:

The geochemical survey results on the 1971 Tad grid extension indicate moderately anomalous lead and copper values

Tad Claims

INTERNATIONAL MINE SERVICES LTD.

Histogram on 5945 soil samples
from the Tad Grid, Dawson Range,
Yukon Territory. 1969-70 soil
survey.

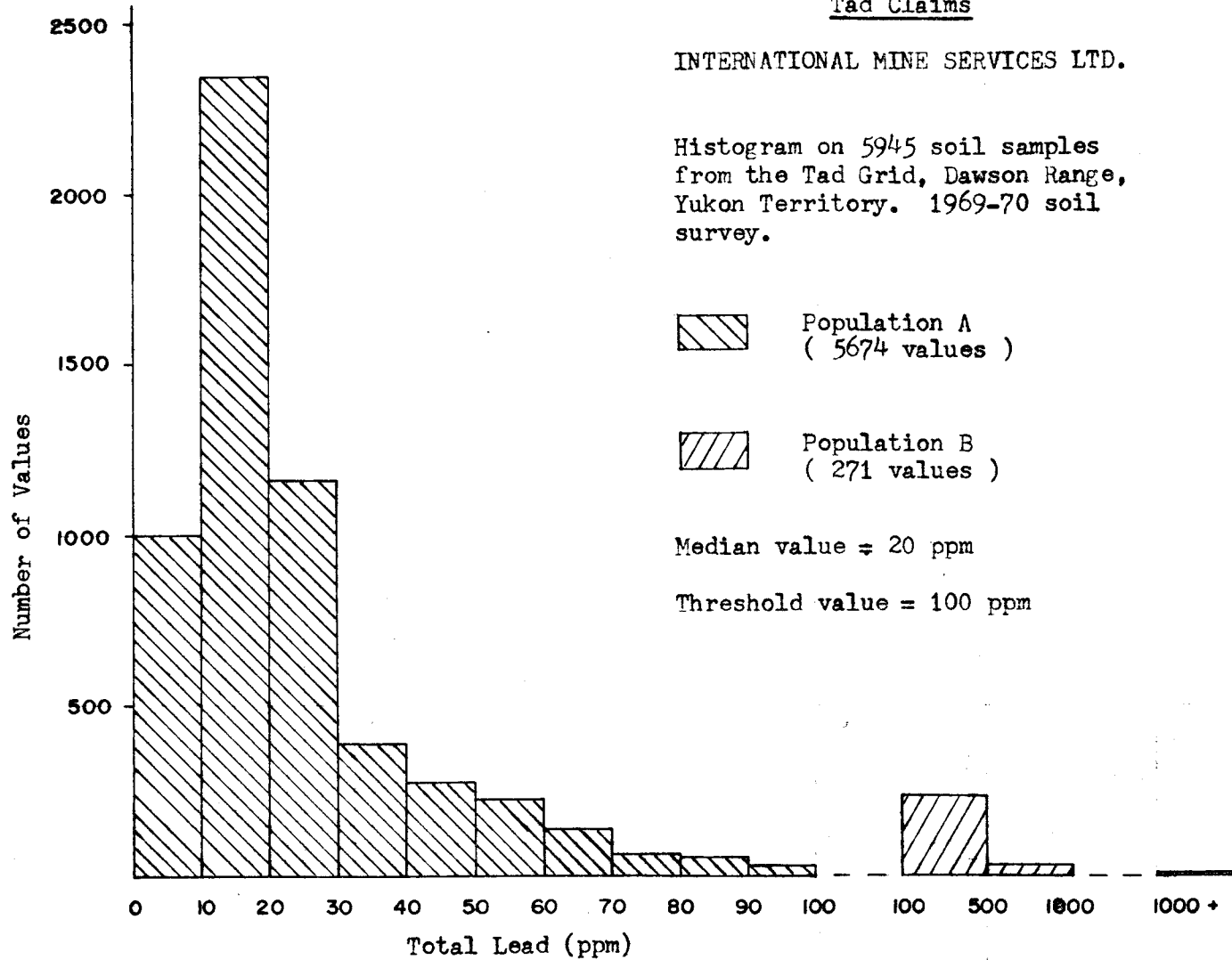


Fig. No. 7

Conclusions And Recommendations: cont'd

to exist on the survey area. The large lead-zinc anomaly located on the Tad grid system, at the line 96W and 70 south location, did not extend beyond the limits of the original grid system. The anomalous lead and copper zones should be further outlined and clarified by additional soil sampling on a 200 foot grid spacing.

The cost of the recommended survey is estimated at about \$4,000.00.

Geophysical Survey

Purpose:

The purpose of the magnetic survey on the southwest property extension was to help delineate by magnetic means the extent of the Tertiary or later intrusives and complete the magnetic survey on the old grid.

Survey Specifications:

The magnetic survey was carried out using a Sharpe M.F.1 Fluxgate Magnetometer. This instrument measures variations in the vertical component of the earth's magnetic field to an accuracy of ± 10 gammas. Corrections for diurnal variations were made by tying-in to previously established base stations at intervals not exceeding two hours.

Survey Method:

Readings of the relative vertical intensity of the earth's magnetic field were taken every 100 feet along the cut and chained grid lines using a fluxgate magnetometer. The operator read the instrument facing down the lines in a south 45° west direction.

The 1971 survey was correlated with the existing data obtained during the 1969-70 surveys conducted by P.E. Walcott

Survey Method: cont'd

& Associates and described by P.E. Walcott, P. Eng. dated October, 1969 and October, 1970. The data are presented on contoured plan maps, Map W-119-3A (revised November, 1971) and referred to as Figure #4 for purposes of this report and Figure #5. Figure #4 shows the magnetic contours for the original surveys conducted during 1969 and 1970 and includes the 1971 additions. Figure #5 shows the readings and contours for the 1971 grid extension survey.

The areas covered by the 1971 survey include: the new grid extension; lines 56W through 80W between the main base line and tie line 25N; lines 6W and 8W from the tie line 20S to tieline 50S; and lines 24W through 40W from tieline 50S north to the 3,500 foot location of these lines.

Survey Results:

The 1969 and 1970 magnetic survey indicated the Tad grid to be underlain by three magnetic rock units M₁, M₂ and M₃ (see figure #4). Subsequent geological mapping and petrographic studies showed units M₁ and M₂ to be essentially the same rock unit differing in degree of alteration and accessory mineral composition.

Unit M₁, a quartz monzonite porphyry, is intensely altered and contains minor to fairly abundant accessory pyrite while

Survey Results: cont'd

Unit M₂ is generally fresh or weakly altered and contains accessory magnetite and pyrite. Unit M₁ exhibits a low magnetic profile while unit M₂ exhibit an irregular but strong magnetic response.

The 1971 magnetic survey on the Tad 244-267 mineral claims indicated a relatively low magnetic profile as exhibited by Unit M₁ on the earlier surveys. An interpretation of the quartz monzonite porphyry and the granite or quartz monzonite contact in the extreme southwest corner of the new grid was not discernible from the magnetic data. The change in rock type is believed to be progressive and they likely originated from the same parent magma.

The 1971 magnetic survey on the old grid indicated the magnetic unit M₂ to terminate on the northwest, just north of the base line at approximately 10 + 00 north on line 64W. This unit terminated along the southerly trend just north of tie line 50 South by some 200 to 300 feet. Data between lines 8W and 8E were not correlated since readings on line 0 were not surveyed as planned.

Conclusions And Recommendations:

The quartz monzonite porphyry and quartz monzonite located in the 1971 magnetic survey area exhibited^{by} a low, flat magnetic profile.

Conclusions And Recommendations: cont'd

Line 0 + 00 should be surveyed by magnetometer, in conjunction with the recommended soil sampling on the new grid, to complete the magnetic information for this location.

Respectfully submitted



D.H. Waugh, Geologist

Appendix 'B'

The following is a statement of expenditures incurred by International Mine Services Ltd. on the geochemical and geophysical surveys of the Tad claim group (sheet 115-J-9 & 115-I-12) between August 3, 1971 and August 25, 1971.

Helicopter: TNTA contract and charters

| | |
|--|---------------|
| 12.2 hrs @ \$139.00/hr----- | \$1,695.80 |
| 11.0 hrs @ \$155.00/hr----- | 1,705.00 |
| 1.2 hrs @ \$248.00/hr----- | 297.60 |
| Excess fuel charges and crew expenses--- | <u>328.58</u> |
| | \$ 4,026.98 |

Wages: I.M.S. salaries - travel and survey work

| | |
|---|--------------------|
| B. Fulcher, geologist: field work supervision, mag. survey, report drafting, 6 wks @ \$900/month----- | \$1,350.00 ✓ |
| R. Carpanter, helper: line cutting, soil sampling 4 wks @ \$600/month----- | \$ 600.00 ✓ |
| B. Colclough, helper: line cutting, soil sampling 4 wks @ \$600/month----- | \$ 600.00 ✓ |
| A. Whitehead, helper: line cutting, soil sampling 4 wks @ \$600/month----- | \$ 600.00 ✓ |
| R. VanBibber, cook: 4 wks @ \$700/mon---- | <u>\$ 700.00</u> ✓ |
| | \$ 3,850.00 ✓ |

Assays: Whitehorse Assay Office
analysis of 463 soil samples for
3 elements-----

| | |
|--|-------------|
| | \$ 834.40 ✓ |
|--|-------------|

Rental Equipment: I.M.S. trucks, radio, camp equipment; 1 month @ \$1,175.00/month----

| | |
|--|------------|
| | \$1,175.00 |
|--|------------|

Food:
Groceries from Taylor & Drury Ltd-----

| | |
|--|-------------|
| | \$ 630.88 ✓ |
|--|-------------|

Fuel:
Gas & Oil for company trucks, propane-----

| | |
|--|--------------------|
| | <u>\$ 184.70</u> ✓ |
|--|--------------------|

\$10,701.96

Cost on a per claim basis for 24 claims = \$446.00

STATEMENT

WHITEHORSE ASSAY OFFICE

P. O. BOX 346
WHITEHORSE, Y. T.

DATE September 1 1971

International Mine Services,

Box 1052,

Whitehorse, Y.T.

| DATE | DETAILS | DEBIT | CREDIT | BALANCE |
|--------|---|---------|--------|---------|
| Aug-16 | Statement | | | 16.20 |
| Aug-23 | cheque # 859 | | 16.20 | — |
| Aug-24 | 6930-8 8W ₃ @ 7.00 | 56.00 | | |
| Aug-27 | 6956-15 15Cu@ 3.00 | 45.00 | | |
| Aug-24 | A-429-212 212Cu ¹ / ₂ Pb ¹ / ₂ Mo@ 2.00 | 424.00 | | |
| Aug-31 | A-430-251 251Cu ¹ / ₂ Pb ¹ / ₂ Mo@ 2.00 | 502.00 | | |
| | | 1027.00 | | |
| | -10% discount | | 102.70 | 924.30 |
| | Total Due | | | 924.30 |

1 PER CENT INTEREST
PER MONTH ON
OVERDUE ACCOUNTS

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE 3 AUGUST 71

CHARTERER: INTERNATIONAL MINE SERVICE
 ADDRESS: _____

WHITEHORSE, Y.T.
 AIRCRAFT: 206-A CF - CEH AREA: YUKON ALTA.
 B.C. NWT

| CHARTER FROM: | PASS. | CARGO | MILES | HRS. | PASS. NAMES OR REMARKS |
|--|----------|------------|----------|------------|--|
| <u>PELLY CROSSING</u> | <u>1</u> | <u>900</u> | <u>—</u> | <u>1.2</u> | <u>TO HAYES CREEK &</u> <u>RETURN TO PELLY.</u> |
| | | | | | <u>Conceries & supplies in man</u> <u>Chge. Ted Clarke</u> <u>Shangh</u> |
| TOTALS | | | | <u>1.2</u> | |
| TNTA FUEL <u>1.2</u> HRS. <u>Pelly - 1000.</u> | | | | | |

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

R. A. Dunbar
PILOT'S SIGNATURE

Reg. Carpenter
CHARTERER'S SIGNATURE

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE July 25/71

CHARTERER: I. M. S.
 ADDRESS: Box
WHITEHORSE
 AIRCRAFT: D-6 CF - QTX AREA: YUKON ALTA.
 B.C. NWT

| CHARTER FROM: | PASS. | CARGO | HRS. | PASS. NAMES OR REMARKS |
|-------------------------|-------|-------|-------------|------------------------|
| <u>Caribacks</u> | | | <u>.6</u> | |
| <u>Midway</u> | | | <u>11.6</u> | |
| <u>Hayes Ck.</u> | | | | |
| TOTALS | | | <u>12.2</u> | |
| TNTA FUEL <u>6</u> HRS. | | | | |

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

S. Brown
PILOT'S SIGNATURE

Shangh
CHARTERER'S SIGNATURE

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE Aug 23 1971

CHARTERER: I. M. S.
 ADDRESS: _____
 AIRCRAFT: Boeing CF-957 AREA: YUKON B.C. ALTA. NWT

| CHARTER FROM: | PASS. | CARGO | HRS. | PASS. NAMES OR REMARKS |
|---------------------------|----------|---------------|------------|---|
| <u>Cormorcks</u> | <u>2</u> | <u>Boeing</u> | <u>2.0</u> | <u>Photo taken of mountain peak 2 miles W of camp</u> |
| | | | <u>2.0</u> | <u>Chgo. Fuel Charges Al Wang</u> |
| TOTALS | | | <u>2.0</u> | |
| TNTA FUEL <u>2.0</u> HRS. | | | | |

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

[Signature]
 PILOT'S SIGNATURE

[Signature]
 CHARTERER'S SIGNATURE

Nº 8820

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE Aug 20 1971

CHARTERER: I. M. S.
 ADDRESS: _____
 AIRCRAFT: Boeing CF-95X AREA: YUKON B.C. ALTA. NWT

| CHARTER FROM: | PASS. | CARGO | HRS. | PASS. NAMES OR REMARKS |
|----------------------|----------------|-------|------------|---------------------------------------|
| <u>Cormorcks</u> | <u>Freight</u> | | <u>1.2</u> | <u>Mag'</u> |
| | | | <u>1.2</u> | <u>Chgo. Fuel Charges Al Wang</u> |
| TOTALS | | | <u>1.2</u> | |
| TNTA FUEL _____ HRS. | | | | |

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

[Signature]
 PILOT'S SIGNATURE

[Signature]
 CHARTERER'S SIGNATURE

Nº 8811

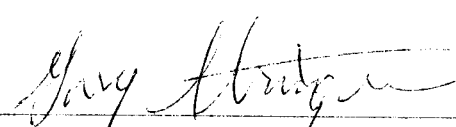
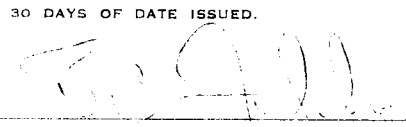
TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE Aug 15 1971

CHARTERER: I. M. S.
 ADDRESS: _____
 AIRCRAFT: Bell 440 CF 938 AREA: YUKON ALTA.
 B.C. NWT

| CHARTER FROM: | PASS. | CARGO | HRS. | PASS. NAMES OR REMARKS |
|--|----------|-------|--|---|
| <u>Carmacks</u> | <u>3</u> | | <u>7.5</u> | <u>for survey</u> <u>camp</u> <u>fuel</u> <u>1700/1000</u> |
| <u>Tad Claims - Geotech. Map Survey</u> | | | | |
| <u>Alky C</u> | | | | |
| TOTALS | | | <u>7.5</u> | |
| TNTA FUEL <u>7.5</u> HRS. | | | | |
|  PILOT'S SIGNATURE | | | TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED. | |
| | | |  CHARTERER'S SIGNATURE | |

Nº 8824

TAYLOR & DRURY LIMITED

P.O. BOX 1169, Whitehorse, Y.T.

SALESMAN *JTB*
 DEPARTMENT *Fruit Shipping*
 DATE *Aug 9/71*
 CUSTOMER NAME *International Mini Serv.*
 ADDRESS *Box 1052*

| QUANTITY | ARTICLE | PRICE | AMOUNT |
|------------|----------------|-------|--------------------------|
| | <i>meat</i> | | <i>47 60</i> |
| | <i>grocs</i> | | <i>74 60</i> |
| | <i>Produce</i> | | <i>9 08</i> |
| | <i>Leather</i> | | <i>3 54</i> |
| | | | <i>134 77</i> |
| | | | <i>134 90</i> |
| G/L No. | | | |
| CHECKED BY | | | |

TAYLOR & DRURY LIMITED

P.O. BOX 1169, Whitehorse, Y.T.

SALESMAN *JTB*
 DEPARTMENT *Fruit Shipping*
 DATE *July 23/71*
 CUSTOMER NAME *International Mini Serv.*
 ADDRESS *Box 1052*

| QUANTITY | ARTICLE | PRICE | AMOUNT |
|-------------|----------------|-------|--------------|
| <i>(86)</i> | <i>grocs</i> | | <i>89 0</i> |
| | <i>Produce</i> | | <i>27 8</i> |
| | <i>meat</i> | | <i>86 00</i> |
| | | | <i>202 8</i> |
| G/L No. | | | |
| CHECKED BY | | | |

TAYLOR & DRURY LIMITED
 P.O. BOX 1169, Whitehorse, Y.T.

SALESMAN *JTB*
 DEPARTMENT *Fruit Shipping*
 DATE *Aug 3/71*
 CUSTOMER NAME *International Mini Serv.*
 ADDRESS *Box 1052*

PURCHASE ORDER NO. _____ INVOICE NUMBER **85178** CUSTOMER NUMBER **31801** **I**

| QUANTITY | ARTICLE | PRICE | AMOUNT |
|-----------------------------|----------------------|-------|---------------|
| | <i>meat</i> | | <i>141 96</i> |
| | <i>Prod.</i> | | <i>22 82</i> |
| | <i>grocs</i> | | <i>128 28</i> |
| | <i>Reg Carpenter</i> | | <i>293 06</i> |
| G/L No. | | | |
| CHECKED BY <i>Ted Clark</i> | | | |

Appendix 'C'

Certification

I, David H. Waugh, of residential address Apt. 210, 28 Lewes Blvd., Whitehorse, Yukon Territory, do hereby state:

1. I am a geologist, educated in the geological sciences at Michigan College of Mining and Technology.
2. I have practised my profession as a geologist in the field of mining exploration and development for the past 7 years.
3. I have been employed as senior geologist and resident project manager in the Yukon during the past four years by International Mine Services Ltd.
4. The information in this report represents the findings of employees of International Mine Services during the August, 1971 survey conducted under my direction and the supervision of J.L. Tindale, Professional Engineer in the Province of Ontario.

Dated this 21st day of December, 1971
at Whitehorse, Yukon Territory.


David H. Waugh

C E R T I F I C A T E

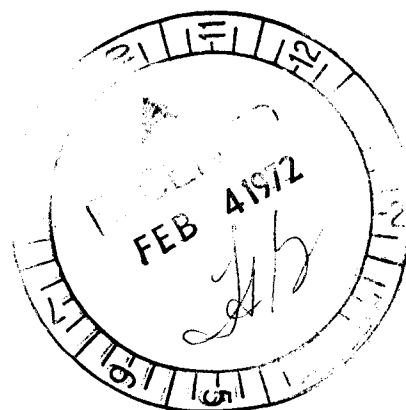
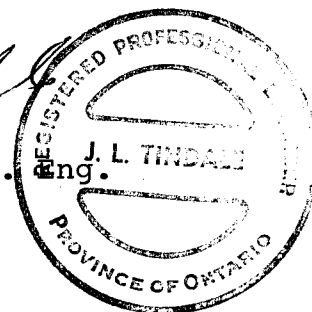


THIS is to certify that I, John L. Tindale, residing in Toronto, Ontario am:

- (1) A Professional Engineer in the Province of Ontario,
- (2) A Geologist, graduated with the degree of Bachelor of Science in Honours Geology in 1956, from McMaster University, in Hamilton, Ontario,
- (3) Chief Geologist and Vice-President of International Mine Services Limited, and as such, did supervise Mr. D. H. Waugh in Geochemical and Geophysical surveys carried out on the mineral claims Tad 244 to 267 inclusive, located in the Dawson Range area of the Whitehorse Mining District, during August of 1971, and that,
- (4) I did supervise and delegate Mr. D. H. Waugh to prepare and submit a report for assessment work purposes on the above subject during December of 1971,
- (5) I did visit personally and discuss the subject exploration program with Mr. Waugh on the property and in Whitehorse during 1971.

February 1, 1972
Toronto, Ontario

J. L. Tindale
J. L. Tindale, P. Eng.



Affidavit

Canada

Yukon Territory

To Wit:

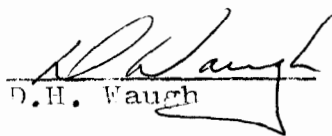
I, David H. Waugh, of Whitehorse, Yukon Territory and agent for International Mine Services Ltd. of Suite 1601, 8 King Street East, Toronto 1, Ontario, make oath and state:

That the expenditures incurred for the geochemical and magnetic surveys conducted by International Mine Services Ltd. on the Tad 244-267 mineral claims from August 3rd to August 25th, 1971 are true and exact to the best of my knowledge.

SWORN BEFORE ME AT: WHITEHORSE, Y.T.

THIS: JAN 13 1972

NOTARY PUBLIC FOR YUKON TERRITORY


D.H. Waugh

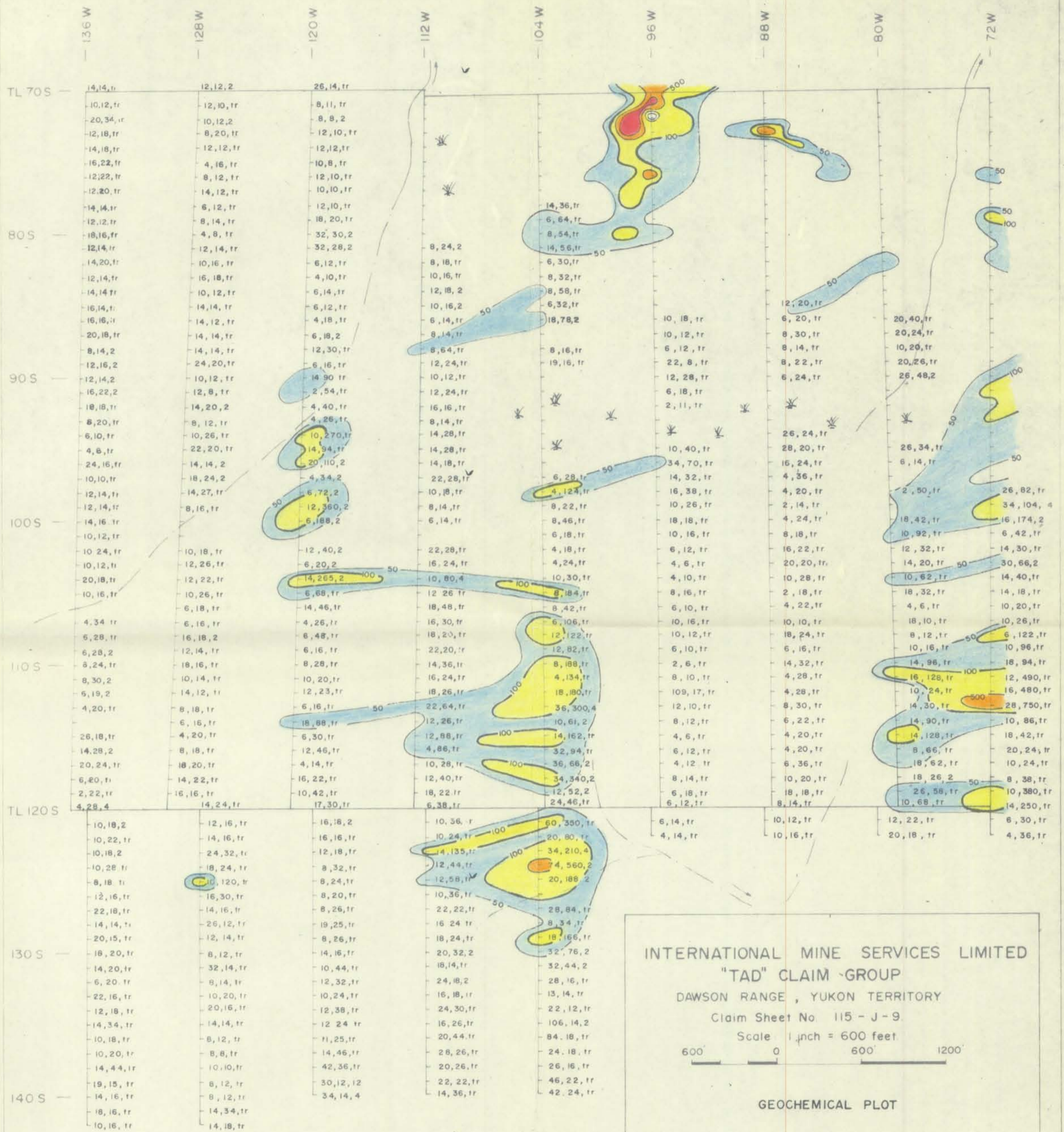
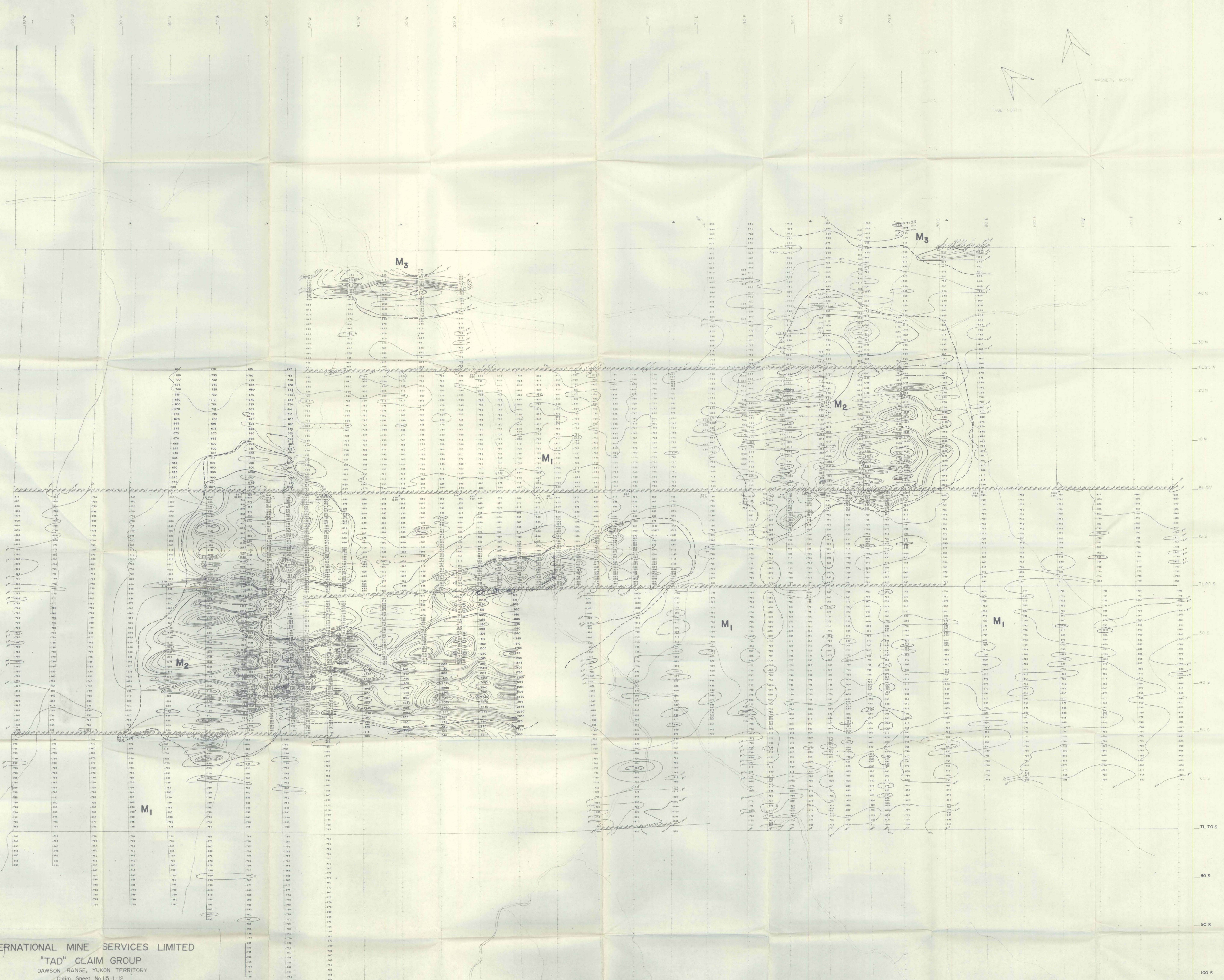


FIG. 3

Aug. 1971

D. Waugh



INTERNATIONAL MINE SERVICES LIMITED
 "TAD" CLAIM GROUP
 DAWSON RANGE, YUKON TERRITORY
 Claim Sheet No. IIS-1-12
 Scale: 1" = 600'

MAGNETOMETER SURVEY

CONTOURS OF RELATIVE VERTICAL INTENSITY
 (IN GAMMAS)

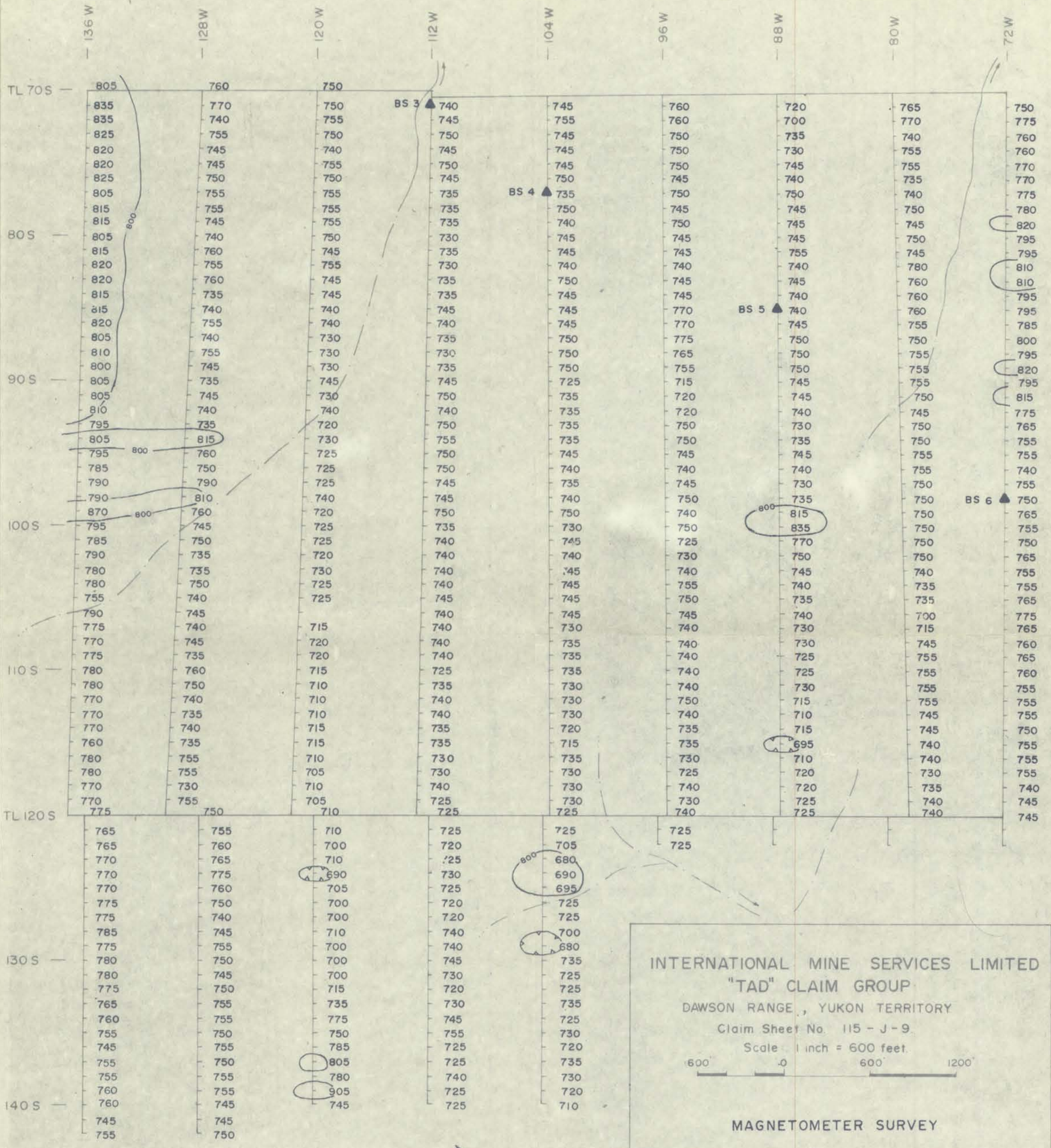
MAP No. W-119-3A
 TO ACCOMPANY A REPORT BY
 PETER E. WALCOTT P. Eng.
 DATED-NOVEMBER 1970
 REVISED NOV. 1971

PETER E. WALCOTT & ASSOC. LTD.
 SEPT.-OCT. 1970

LEGEND

- ABOVE 800 GAMMAS — 200 GAMMA CONTOUR
- BELOW 800 GAMMAS — 100 GAMMA CONTOUR
- 1000 GAMMA CONTOUR
- - - MAGNETIC DEPRESSION
- - - CREEK
- ▲ MAGNETIC SURVEY BASE STATION
- - - INTERPRETED MAGNETIC CONTACT
- M_n INTERPRETED MAGNETIC ROCK UNIT

FIG. 4



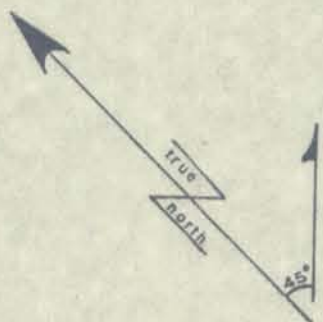
INTERNATIONAL MINE SERVICES LIMITED
 "TAD" CLAIM GROUP
 DAWSON RANGE, YUKON TERRITORY
 Claim Sheet No. 115 - J - 9
 Scale: 1 inch = 600 feet
 600' 0 600' 1200'

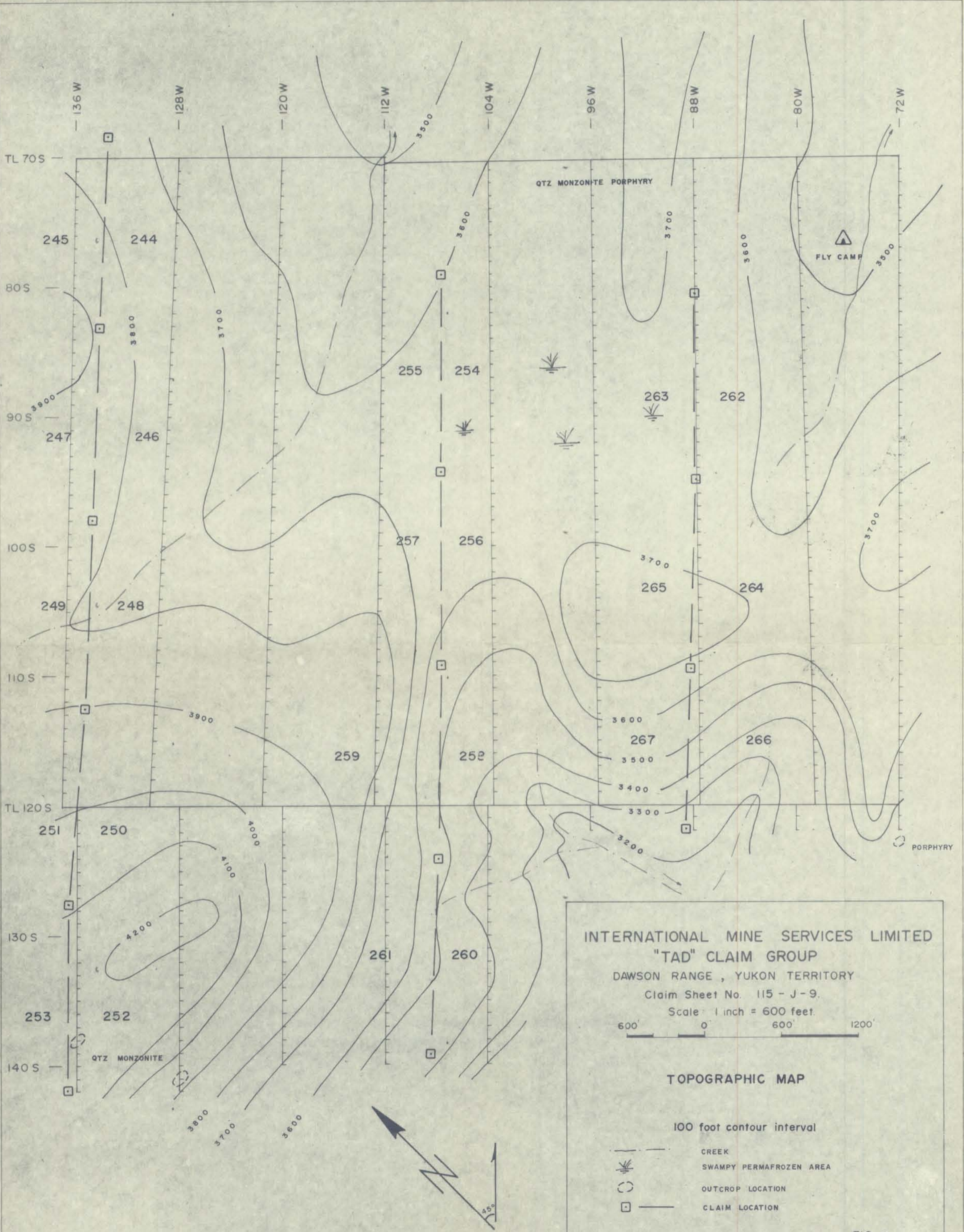
MAGNETOMETER SURVEY
 CONTOURS OF RELATIVE VERTICAL INTENSITY
 (IN GAMMAS)

▲ BS 3 Base station

FIG 5

Aug. 1971 D. Waugh





INTERNATIONAL MINE SERVICES LIMITED
 "TAD" CLAIM GROUP
 DAWSON RANGE, YUKON TERRITORY
 Claim Sheet No. 115 - J - 9.

Scale: 1 inch = 600 feet.
 600' 0' 600' 1200'

TOPOGRAPHIC MAP

100 foot contour interval

- CREEK
- SWAMPY PERMAFROZEN AREA
- OUTCROP LOCATION
- CLAIM LOCATION

FIG. 6